

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111819\
 Data File : VY000718.D
 Acq On : 18 Nov 2019 11:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:21:40 PM

Quant Time: Nov 18 11:54:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	238020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	405447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	373752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	183929	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	132605	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
35) Dibromofluoromethane	7.72	113	121281	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.18	98	497881	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
62) 4-Bromofluorobenzene	12.48	95	179090	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	125544	53.581	ug/l	98
3) Chloromethane	2.12	50	164189	50.869	ug/l	100
4) Vinyl Chloride	2.26	62	159914	53.352	ug/l	99
5) Bromomethane	2.65	94	108378	60.298	ug/l	98
6) Chloroethane	2.79	64	100994	53.838	ug/l	97
7) Trichlorofluoromethane	3.13	101	216419	53.466	ug/l	95
8) Diethyl Ether	3.54	74	76547	53.221	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	127854	52.246	ug/l	98
10) Methyl Iodide	4.10	142	138791	43.530	ug/l	99
11) Tert butyl alcohol	4.96	59	60105	250.671	ug/l	98
12) 1,1-Dichloroethene	3.87	96	124390	52.318	ug/l	94
13) Acrolein	3.73	56	39411	188.697	ug/l	99
14) Allyl chloride	4.48	41	223366	57.776	ug/l	98
15) Acrylonitrile	5.17	53	204966	278.189	ug/l	99
16) Acetone	3.95	43	236760	348.748	ug/l	98
17) Carbon Disulfide	4.19	76	388995	51.874	ug/l	99
18) Methyl Acetate	4.48	43	114070	54.039	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	366643	55.464	ug/l	100
20) Methylene Chloride	4.72	84	143969	49.492	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	143316	53.319	ug/l	94
22) Diisopropyl ether	6.12	45	494255	58.819	ug/l	97
23) Vinyl Acetate	6.07	43	1537031	289.763	ug/l	98
24) 1,1-Dichloroethane	6.02	63	254027	55.802	ug/l	97
25) 2-Butanone	7.00	43	322168	297.352	ug/l	98
26) 2,2-Dichloropropane	6.99	77	224404	53.941	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	162924	55.433	ug/l	98
28) Bromochloromethane	7.34	49	114359	54.667	ug/l	94
29) Tetrahydrofuran	7.36	42	184695	278.651	ug/l	99
30) Chloroform	7.52	83	259901	56.437	ug/l	97
31) Cyclohexane	7.79	56	248327	52.082	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	224798	54.773	ug/l	99
36) 1,1-Dichloropropene	7.93	75	207776	54.209	ug/l	97
37) Ethyl Acetate	7.08	43	124548	54.732	ug/l	99
38) Carbon Tetrachloride	7.91	117	197235	53.479	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	265849	53.687	ug/l	96
40) Benzene	8.17	78	602568	53.623	ug/l	100
41) Methacrylonitrile	7.32	41	63164m	49.756	ug/l	
42) 1,2-Dichloroethane	8.25	62	171187	53.712	ug/l	99
43) Isopropyl Acetate	8.28	43	230623	53.950	ug/l	100
44) Trichloroethene	8.94	130	156088	52.682	ug/l	97
45) 1,2-Dichloropropane	9.22	63	150227	54.318	ug/l	96
46) Dibromomethane	9.31	93	82184	54.032	ug/l	97
47) Bromodichloromethane	9.50	83	198803	55.084	ug/l	99
48) Methyl methacrylate	9.30	41	103862	55.608	ug/l	96
49) 1,4-Dioxane	9.30	88	21278	1039.441	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	620983	273.227	ug/l	98
52) Toluene	10.24	92	387569	54.553	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	217037	56.281	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	247968	56.130	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	120120	54.601	ug/l	98
56) Ethyl methacrylate	10.51	69	180507	57.890	ug/l	97
57) 1,3-Dichloropropane	10.79	76	210765	54.738	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	385084	273.176	ug/l	98
59) 2-Hexanone	10.83	43	475563	287.188	ug/l	98
60) Dibromochloromethane	10.99	129	137232	54.459	ug/l	98
61) 1,2-Dibromoethane	11.09	107	115641	54.670	ug/l	99
64) Tetrachloroethene	10.72	164	154551	50.009	ug/l	98
65) Chlorobenzene	11.52	112	404511	53.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	139150	52.947	ug/l	99
67) Ethyl Benzene	11.59	91	759479	54.457	ug/l	99
68) m/p-Xylenes	11.70	106	574450	106.423	ug/l	97
69) o-Xylene	12.03	106	272742	53.763	ug/l	97
70) Styrene	12.04	104	473303	54.485	ug/l	99
71) Bromoform	12.21	173	82720	54.724	ug/l #	97
73) Isopropylbenzene	12.33	105	743790	54.715	ug/l	100
74) N-amyl acetate	12.14	43	218284	56.068	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	149813	55.660	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	111186m	53.090	ug/l	
77) Bromobenzene	12.61	156	163687	53.099	ug/l	96
78) n-propylbenzene	12.67	91	912986	55.663	ug/l	100
79) 2-Chlorotoluene	12.75	91	498908	54.791	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	616842	54.484	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	55391	59.301	ug/l	95
82) 4-Chlorotoluene	12.85	91	527492	55.886	ug/l	98
83) tert-Butylbenzene	13.08	119	523105	54.114	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	615614	54.612	ug/l	100
85) sec-Butylbenzene	13.25	105	770144	55.919	ug/l	100
86) p-Isopropyltoluene	13.37	119	674898	54.983	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	322643	53.436	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	323759	53.660	ug/l	100
89) n-Butylbenzene	13.70	91	687582	56.794	ug/l	99
90) Hexachloroethane	13.96	117	125816	55.445	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	296399	54.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24037	50.460	ug/l	98

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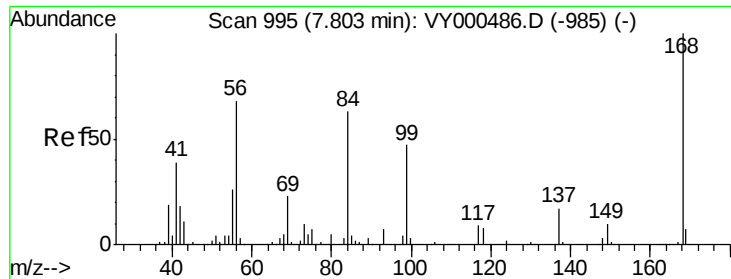
Manual Integrations
APPROVED

MMDADODA
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	192796	51.686	ug/l	97
94) Hexachlorobutadiene	15.11	225	97938	50.934	ug/l	99
95) Naphthalene	15.23	128	443806	53.595	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	174520	52.149	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 238020

Ion Ratio Lower Upper

168 100

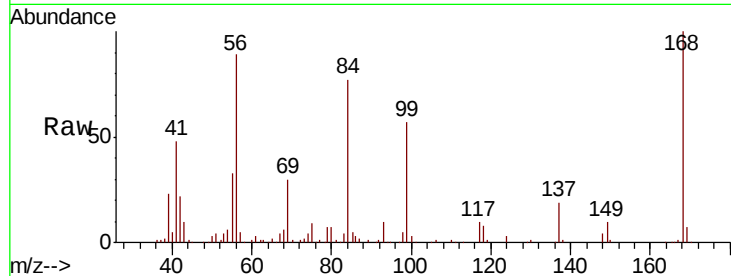
99 57.4 45.7 68.5

Manual Integrations

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11/19/2019 12:21:40 PM



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

120000

100000

80000

60000

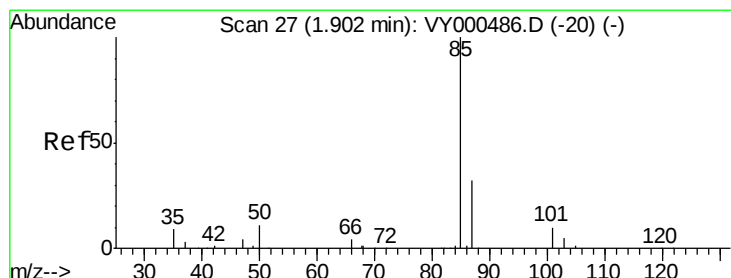
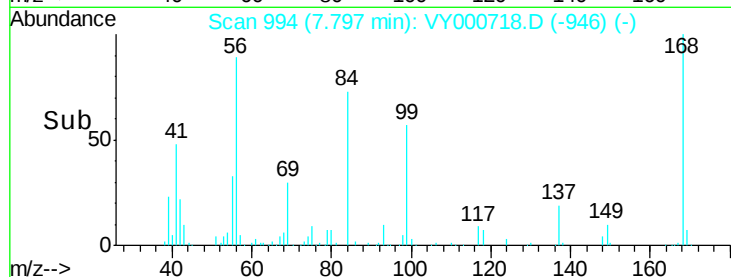
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 53.581 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000718.D

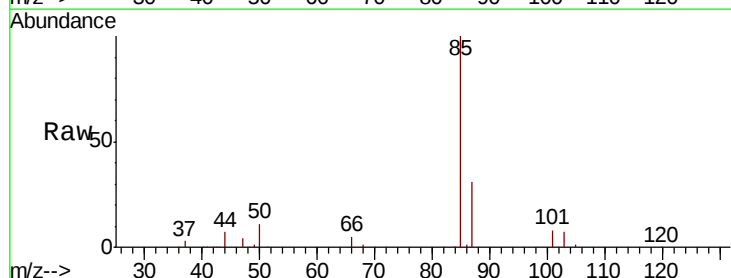
Acq: 18 Nov 2019 11:01

Tgt Ion: 85 Resp: 125544

Ion Ratio Lower Upper

85 100

87 30.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000486.D (-20) (-)

80000

60000

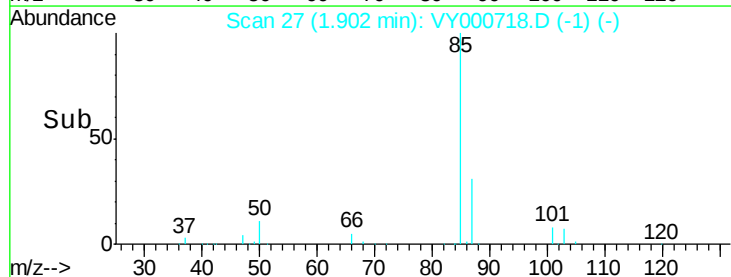
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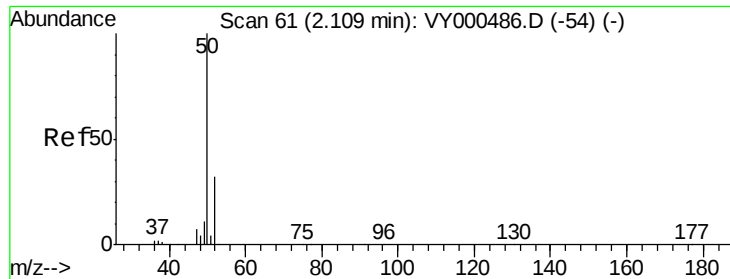
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.869 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 164189

Ion Ratio Lower Upper

50 100

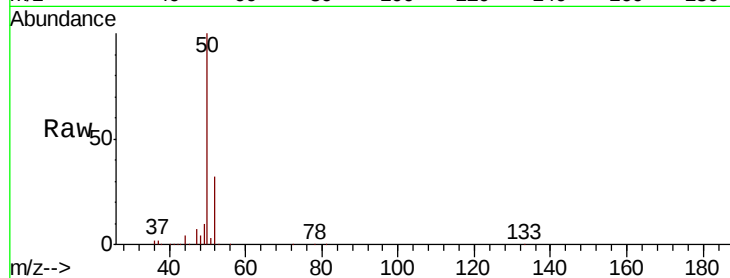
52 31.8 25.2 37.8

Manual Integrations

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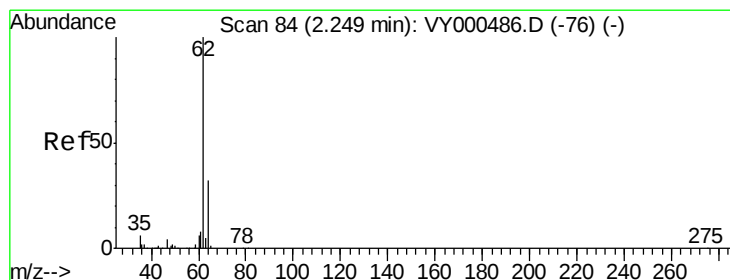
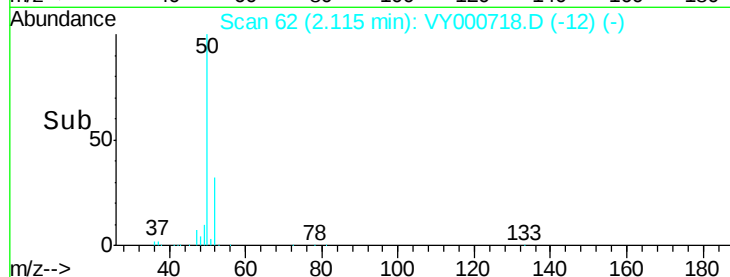
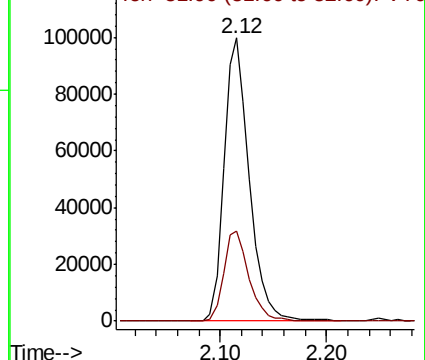
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 53.352 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000718.D

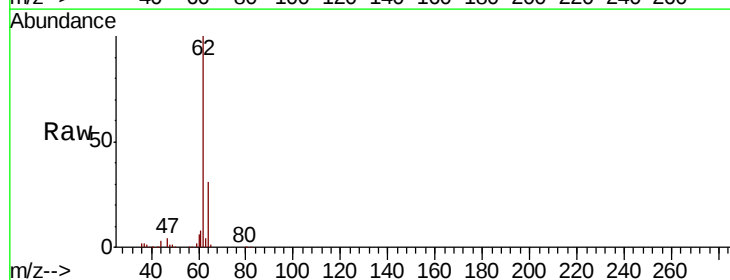
Acq: 18 Nov 2019 11:01

Tgt Ion: 62 Resp: 159914

Ion Ratio Lower Upper

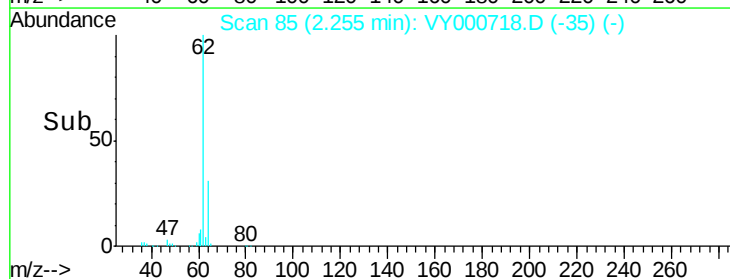
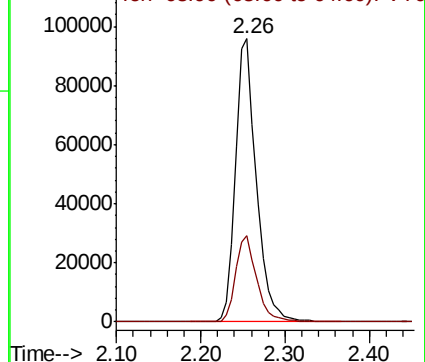
62 100

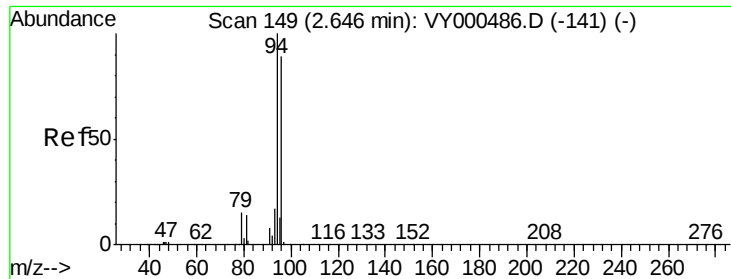
64 30.7 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 60.298 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 108378

Ion Ratio Lower Upper

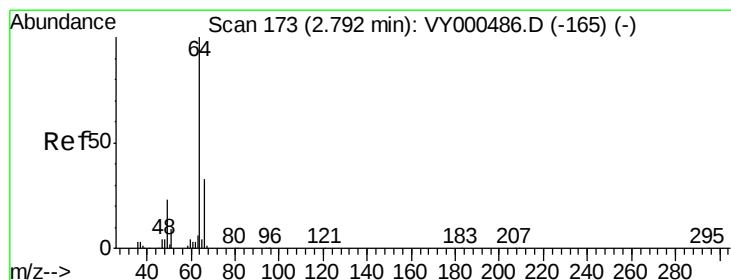
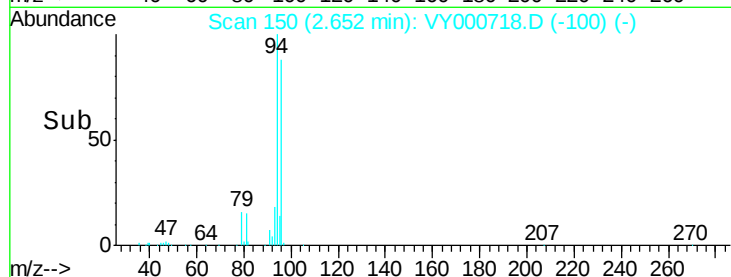
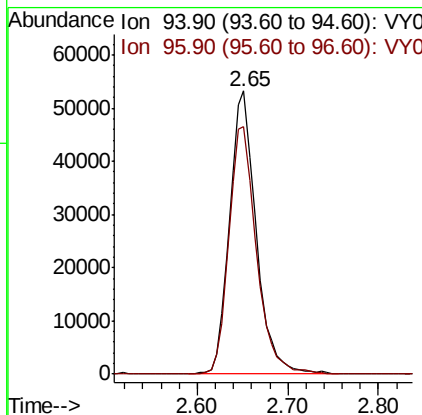
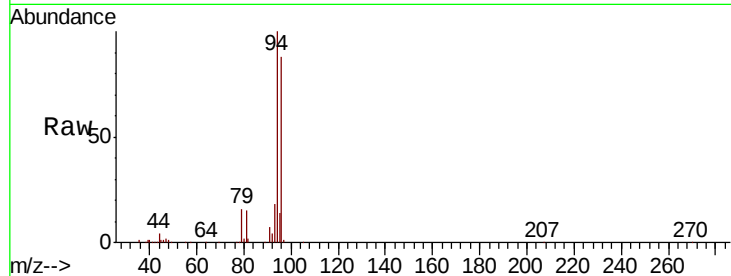
94 100

96 87.5 71.2 106.8

Manual Integrations
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#6

Chloroethane

Concen: 53.838 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000718.D

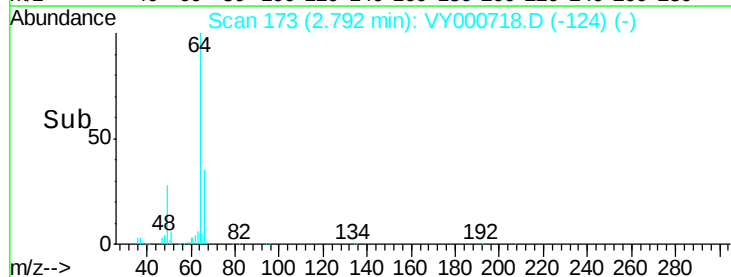
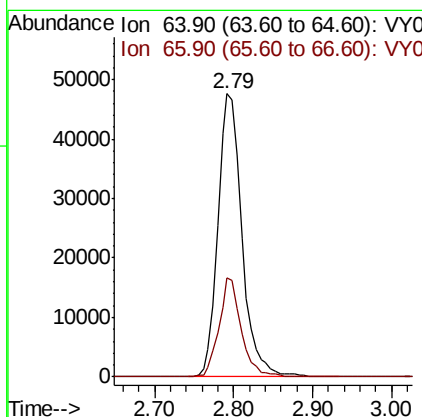
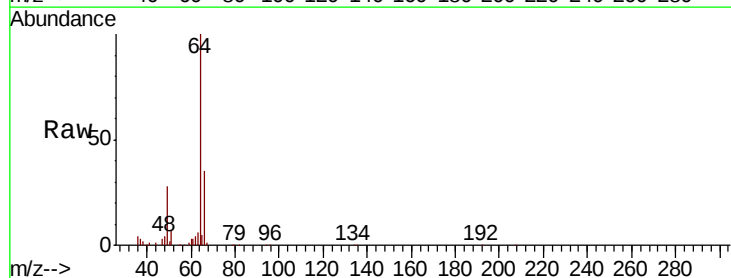
Acq: 18 Nov 2019 11:01

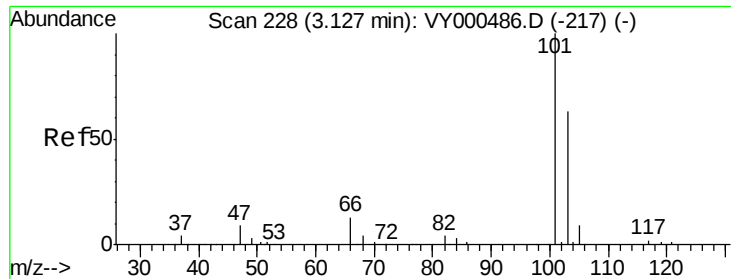
Tgt Ion: 64 Resp: 100994

Ion Ratio Lower Upper

64 100

66 34.8 26.6 40.0





#7

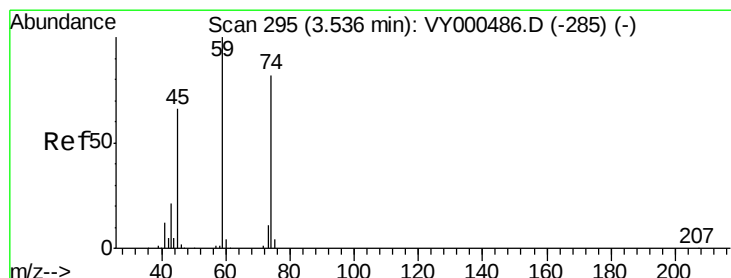
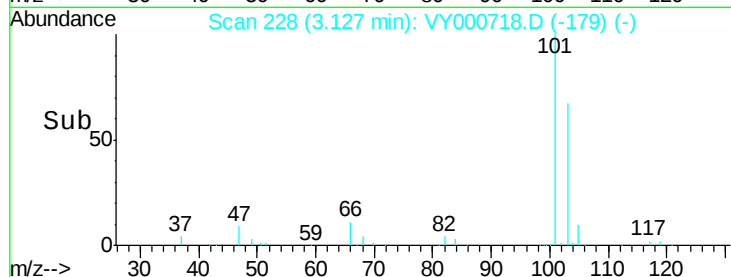
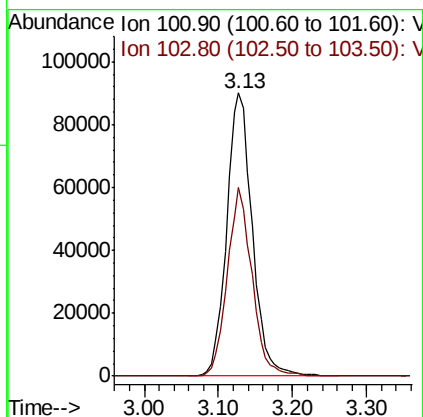
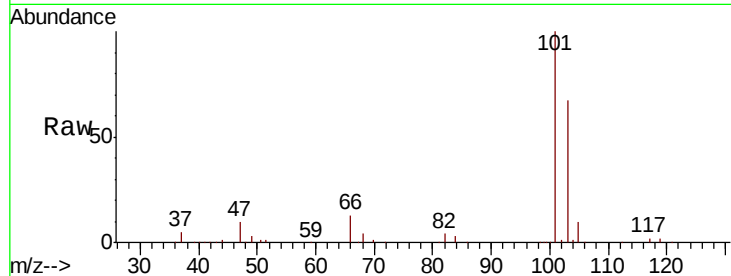
Trichlorofluoromethane
 Concen: 53.466 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.5	75.7

Manual Integrations
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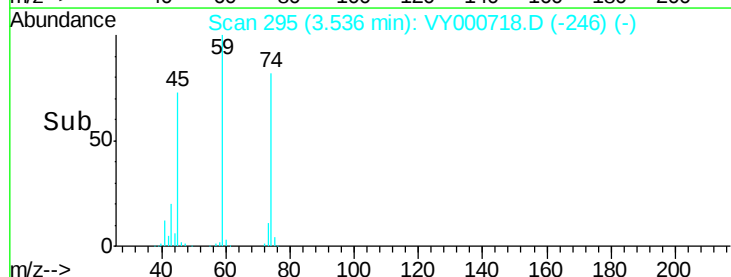
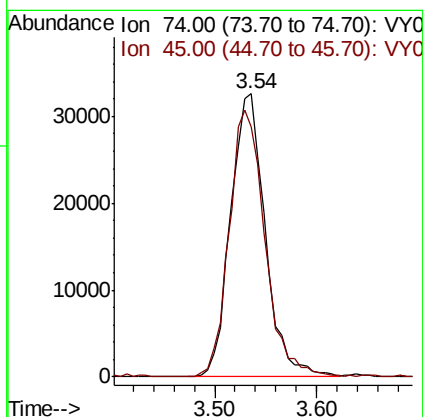
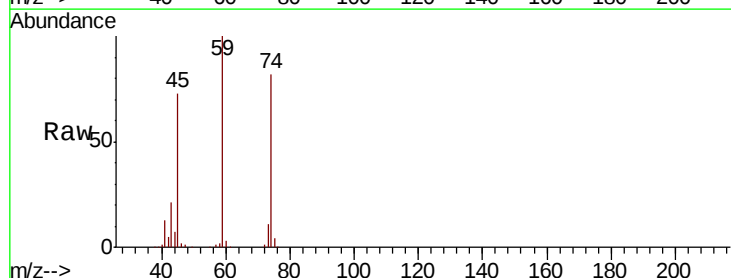
MMDADODA
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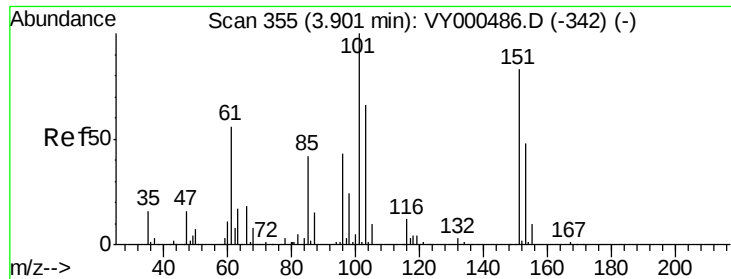


#8

Diethyl Ether
 Concen: 53.221 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	45.5	136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.246 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

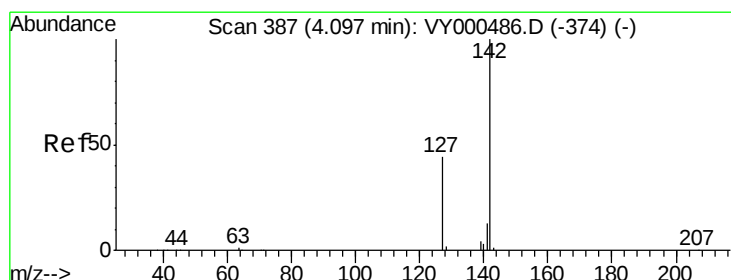
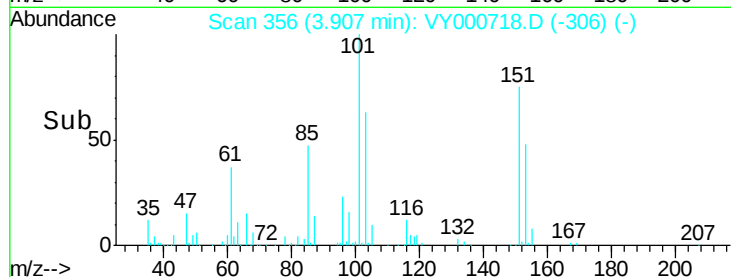
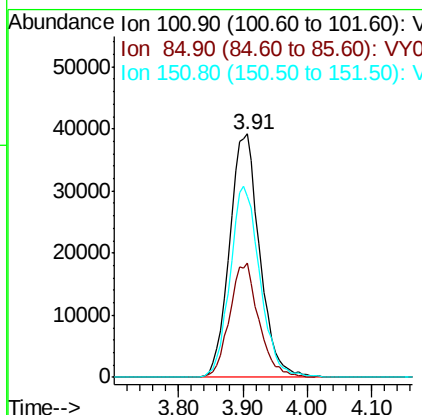
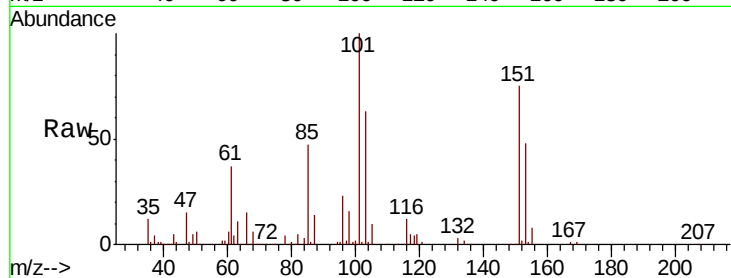
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	127854
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.7	55.1
151	77.8	64.3	96.5

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#10

Methyl Iodide

Concen: 43.530 ug/l

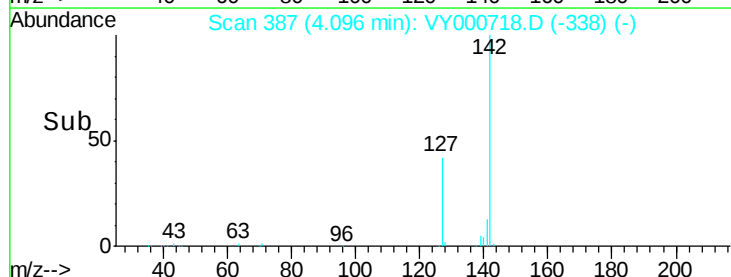
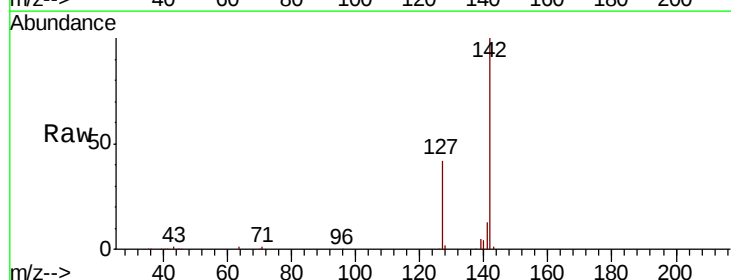
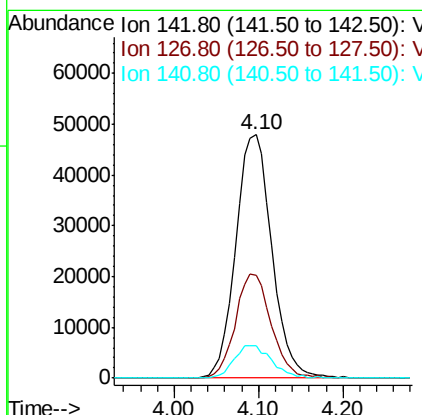
RT: 4.10 min Scan# 387

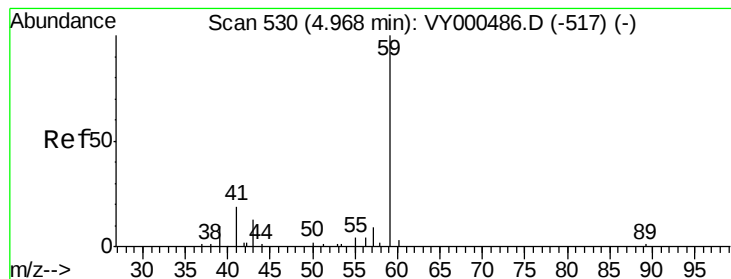
Delta R.T. 0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Tgt Ion:	142	Resp:	138791
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.7	50.5
141	14.0	10.9	16.3





#11

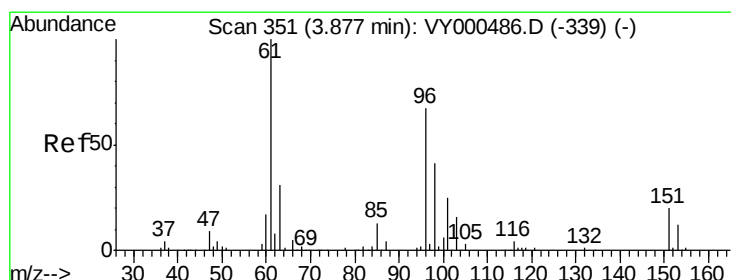
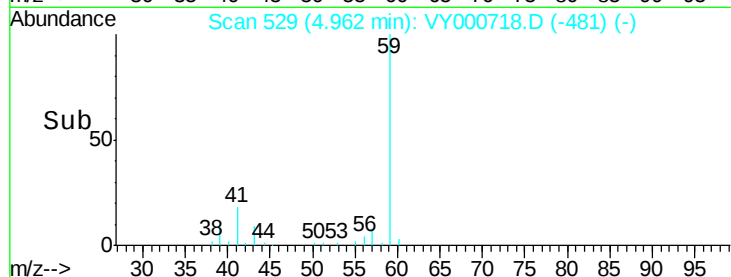
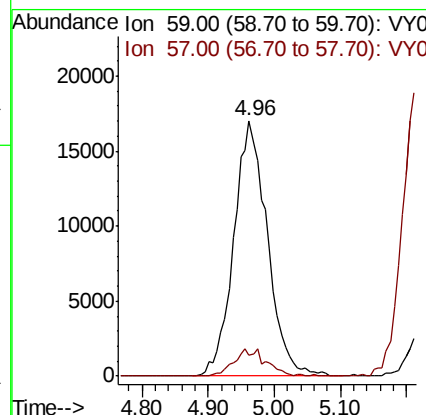
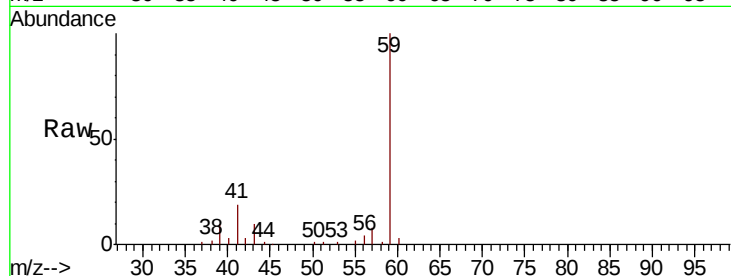
Tert butyl alcohol
Concen: 250.671 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.6	12.8

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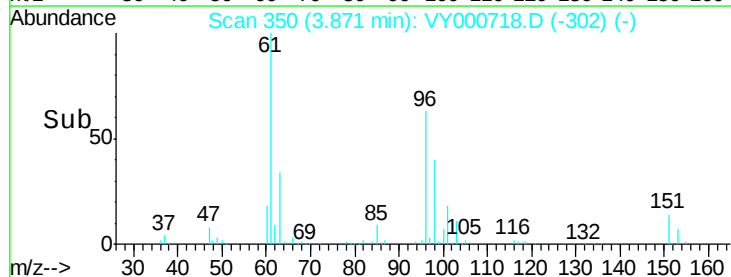
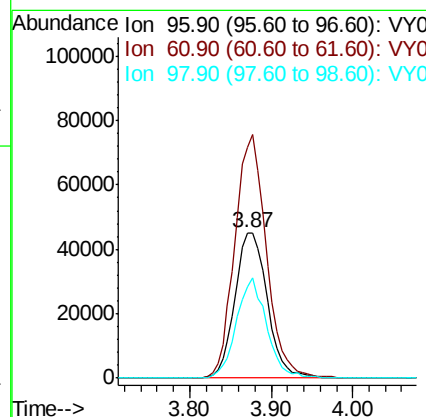
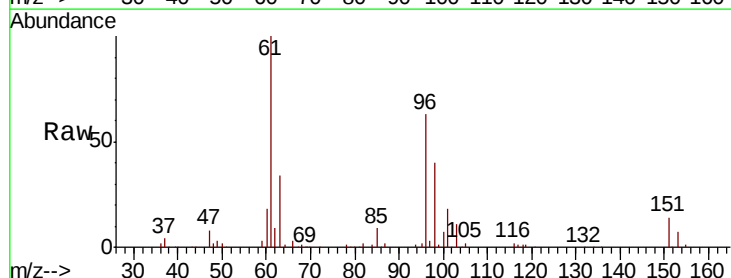
MMDADODA
11/19/2019 12:21:40 PM

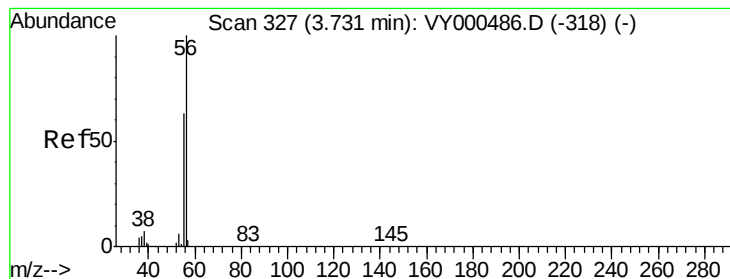


#12

1,1-Dichloroethene
Concen: 52.318 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	119.2	178.8
98	62.7	48.6	73.0





#13

Acrolein

Concen: 188.697 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39411

Ion Ratio Lower Upper

56 100

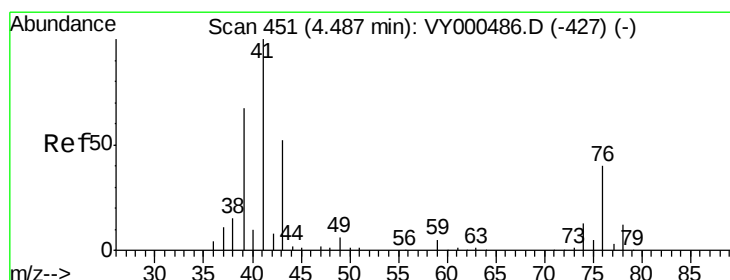
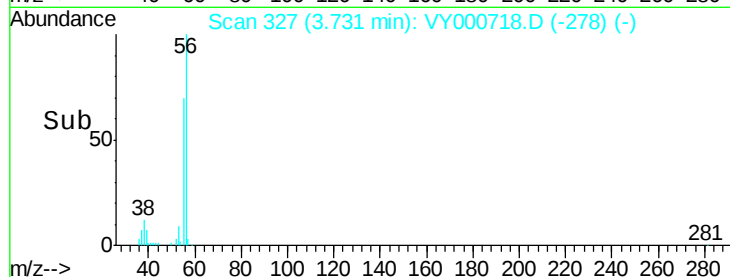
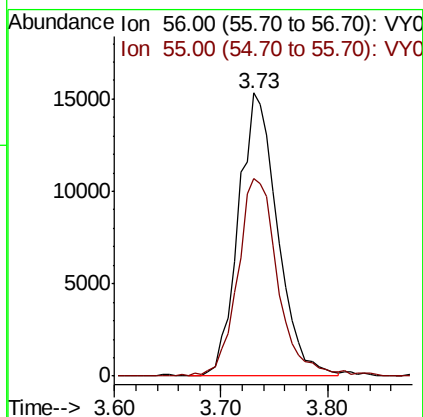
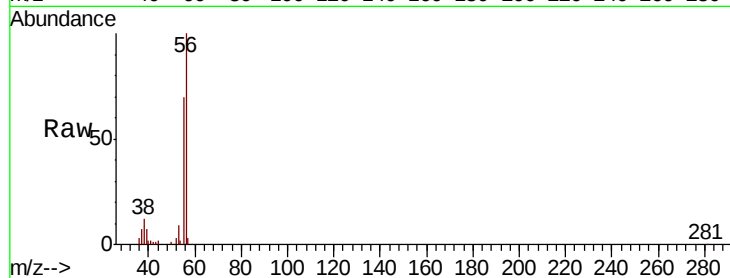
55 72.0 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 57.776 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

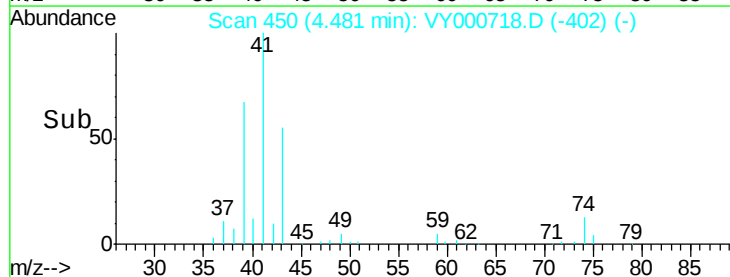
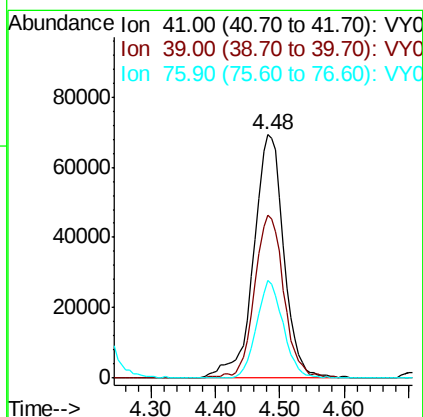
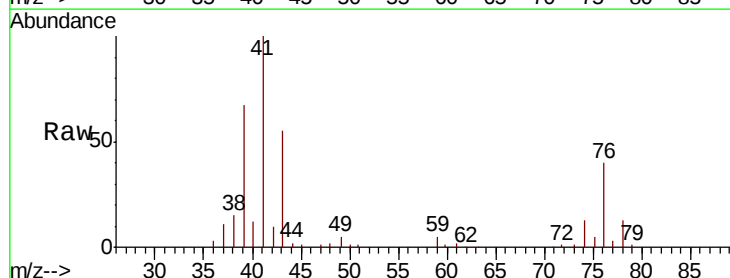
Tgt Ion: 41 Resp: 223366

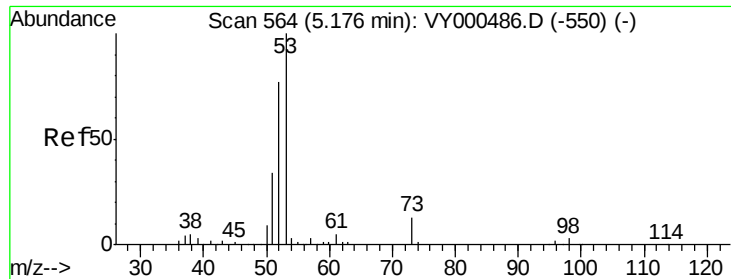
Ion Ratio Lower Upper

41 100

39 65.2 53.6 80.4

76 35.6 29.8 44.6





#15

Acrylonitrile

Concen: 278.189 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

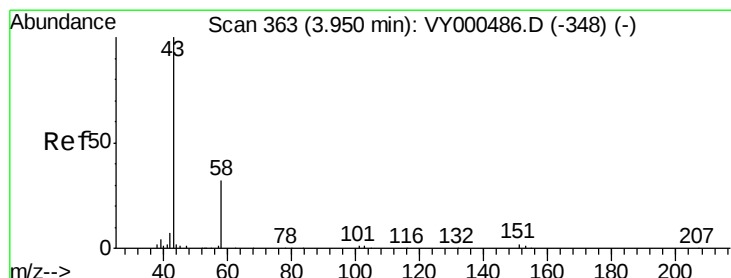
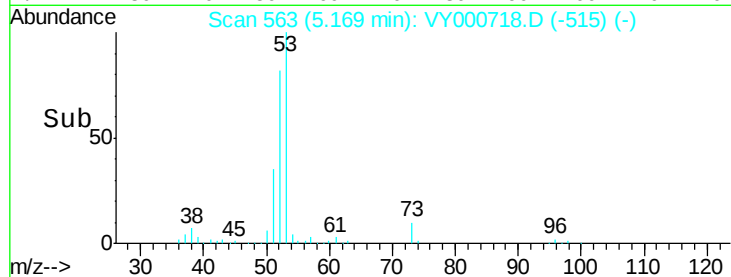
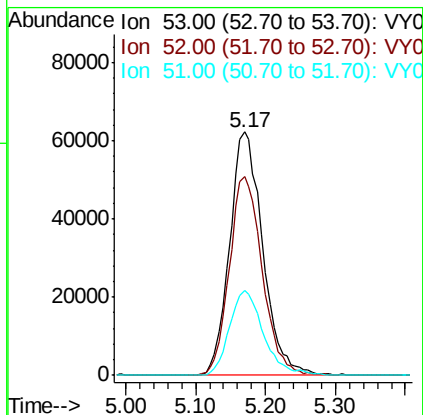
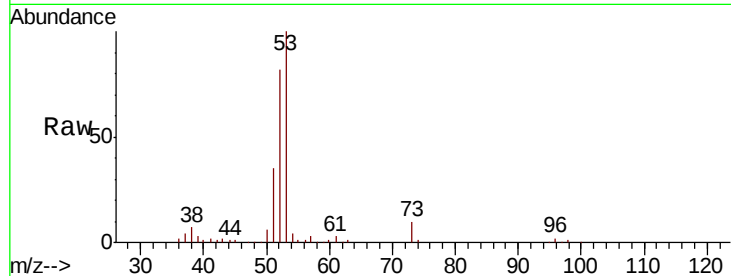
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	204966
Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.9	97.3
51	35.9	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 348.748 ug/l

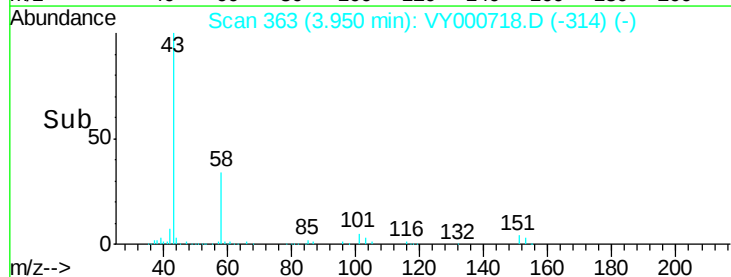
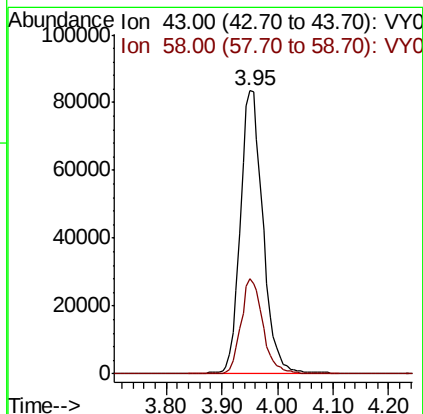
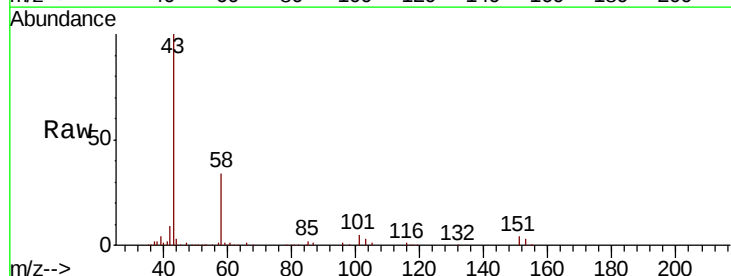
RT: 3.95 min Scan# 363

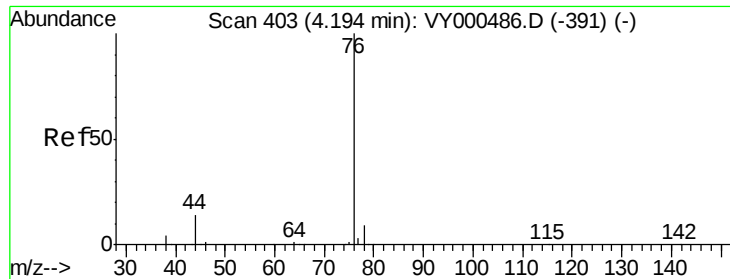
Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Tgt Ion:	43	Resp:	236760
Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.8	38.6





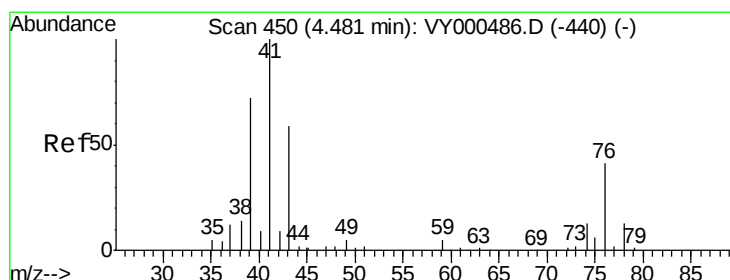
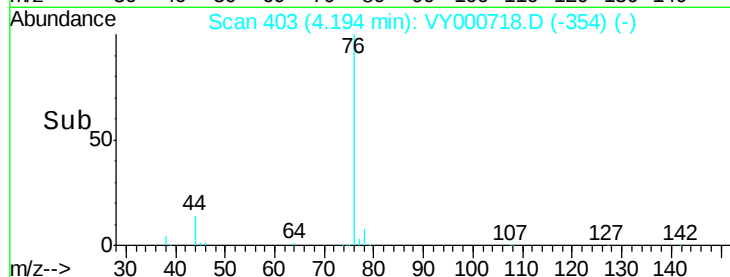
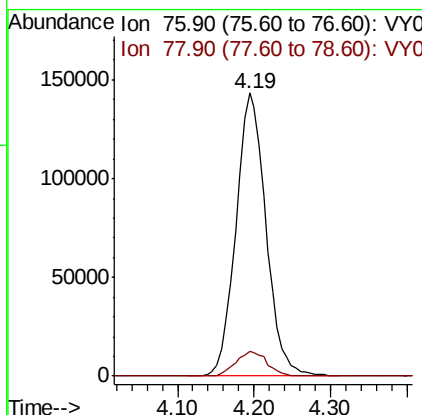
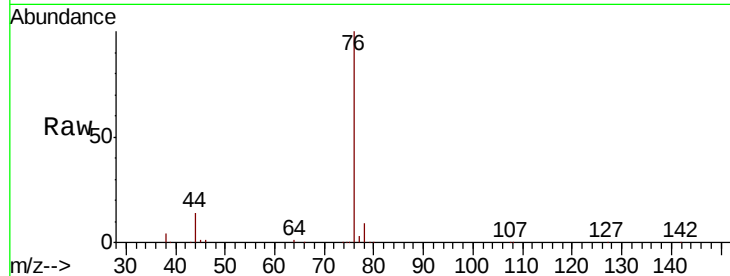
#17
Carbon Disulfide
Concen: 51.874 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

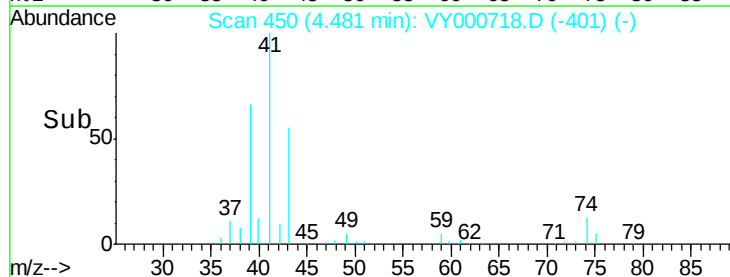
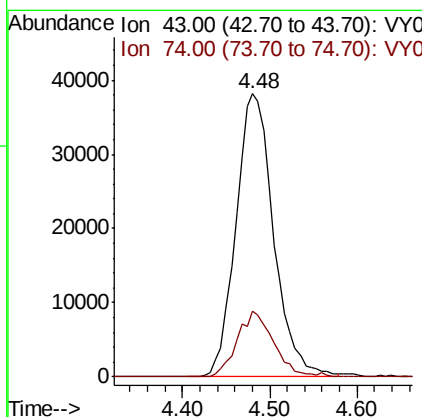
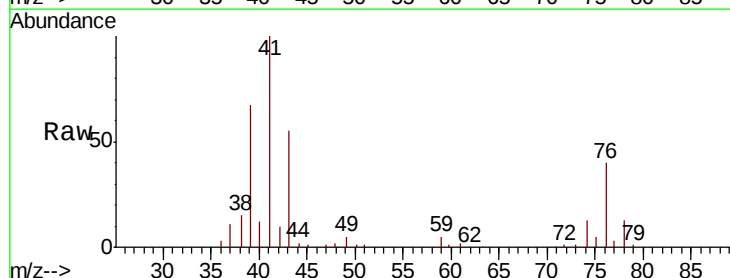
Manual Integrations
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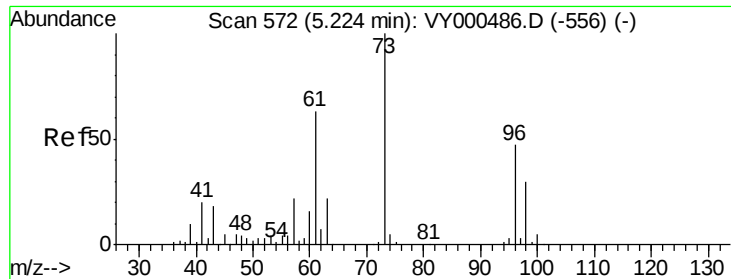
MMDADODA
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#18
Methyl Acetate
Concen: 54.039 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.2	28.8





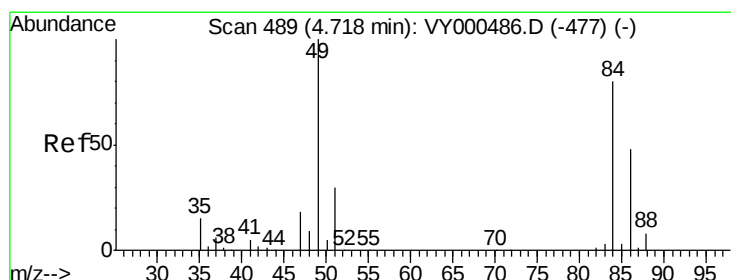
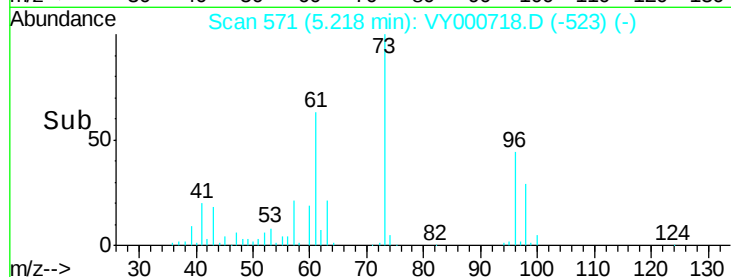
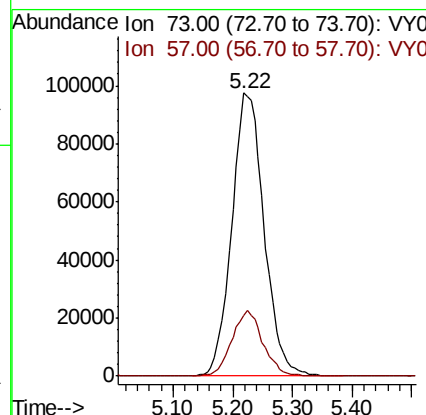
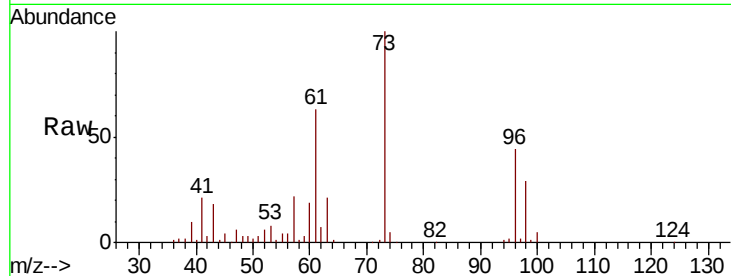
#19
Methvl tert-butvl Ether
Concen: 55.464 ug/l
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 366643
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.0

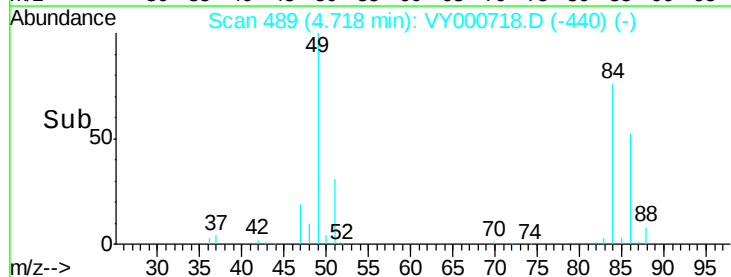
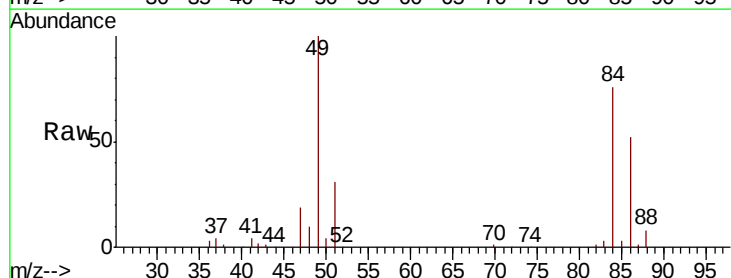
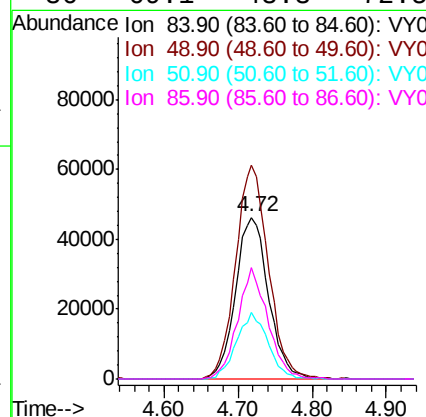
Manual Integrations
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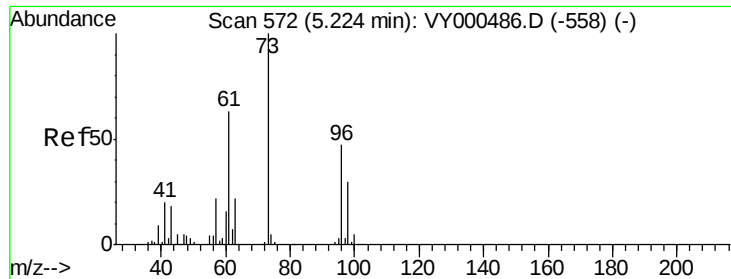
MMDADODA
11/19/2019 12:21:40 PM



#20
Methylene Chloride
Concen: 49.492 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion: 84 Resp: 143969
Ion Ratio Lower Upper
84 100
49 131.9 100.2 150.4
51 40.8 29.6 44.4
86 69.1 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 53.319 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

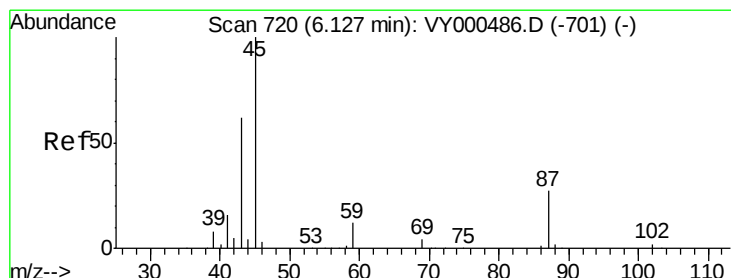
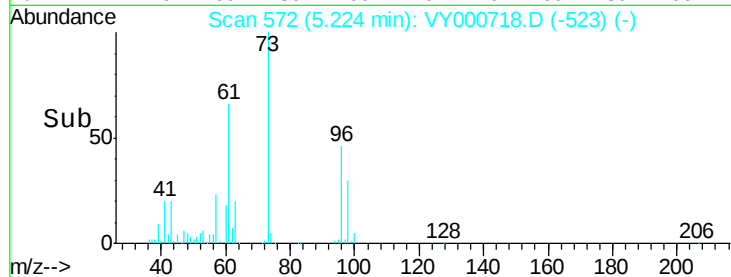
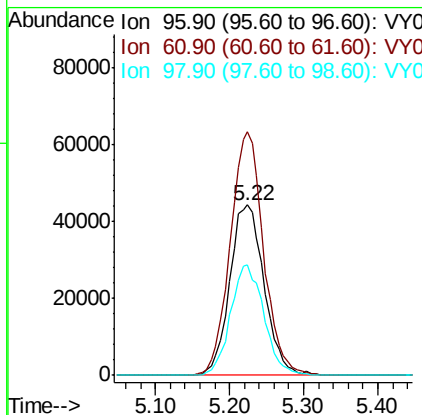
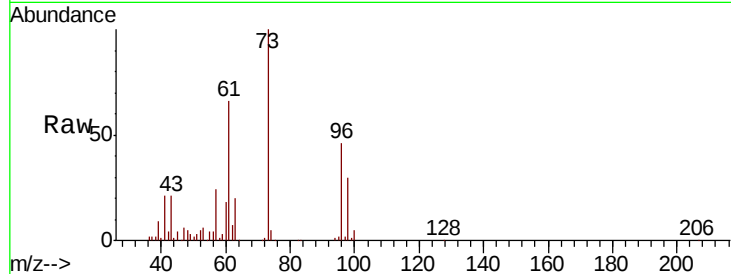
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	143316
Ion	Ratio	Lower	Upper
96	100		
61	143.0	106.6	160.0
98	64.6	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 58.819 ug/l

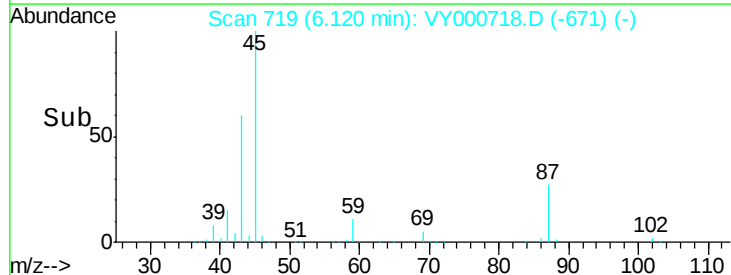
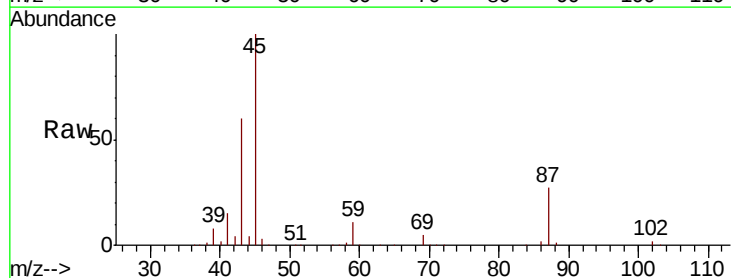
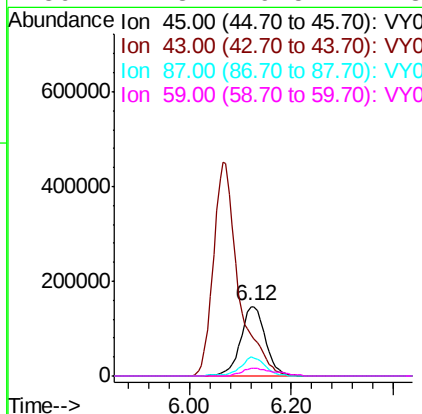
RT: 6.12 min Scan# 719

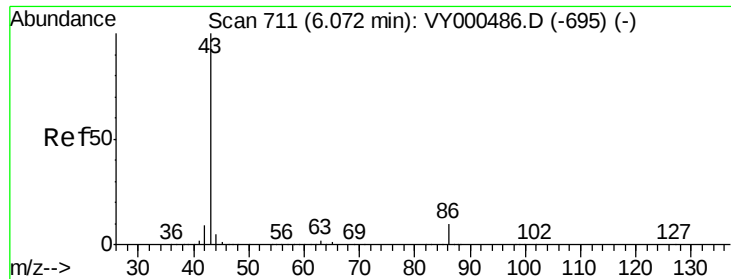
Delta R.T. -0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Tgt Ion:	45	Resp:	494255
Ion	Ratio	Lower	Upper
45	100		
43	59.6	50.0	75.0
87	26.9	21.6	32.4
59	11.3	9.5	14.3





#23

Vinyl Acetate

Concen: 289.763 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1537031

Ion Ratio Lower Upper

43 100

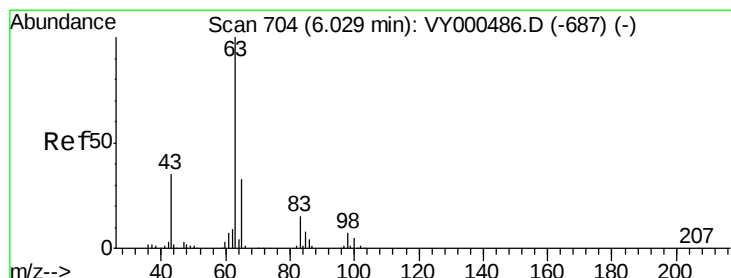
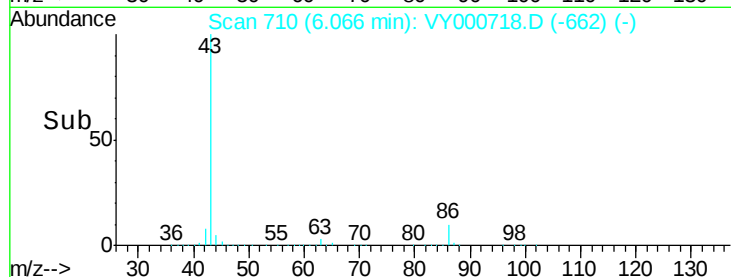
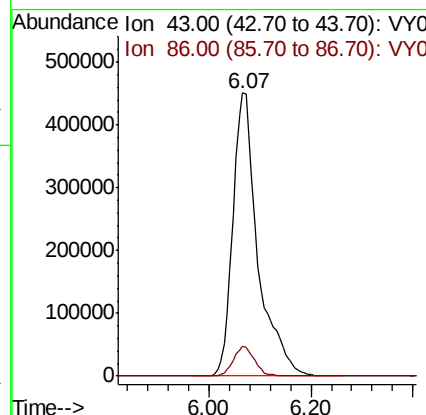
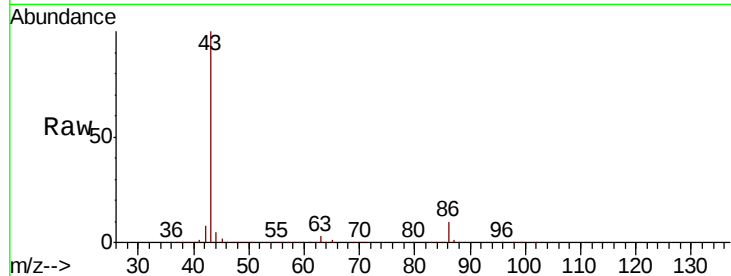
86 10.4 7.8 11.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 55.802 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

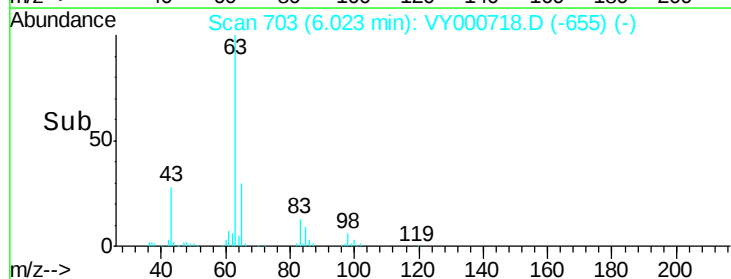
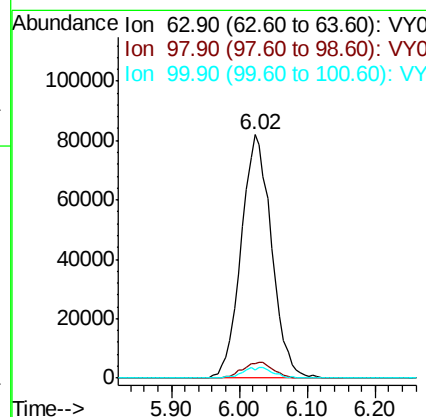
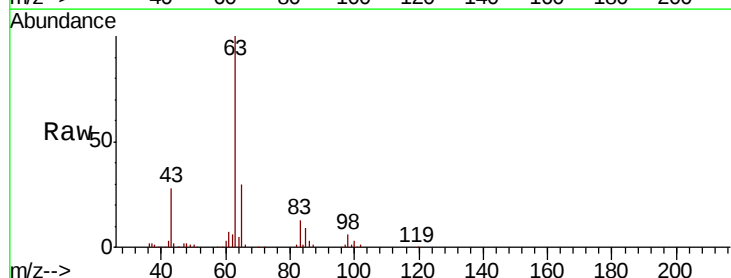
Tgt Ion: 63 Resp: 254027

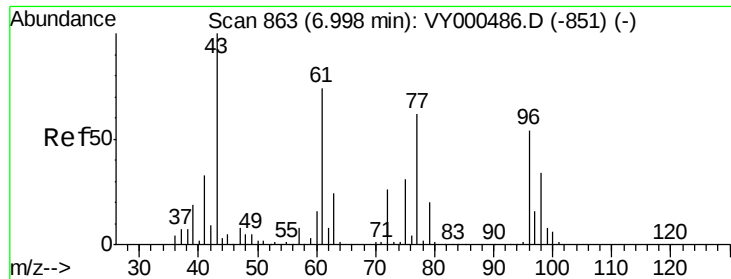
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.6

100 3.4 2.4 7.1





#25

2-Butanone

Concen: 297.352 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 322168

Ion Ratio Lower Upper

43 100

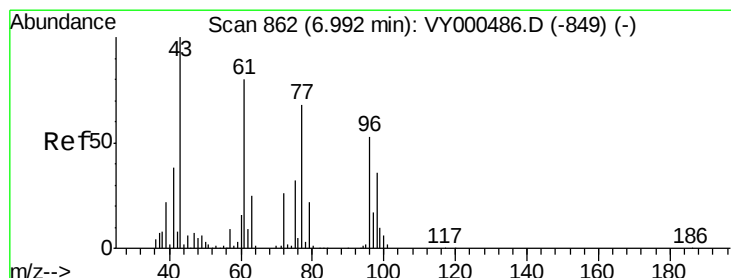
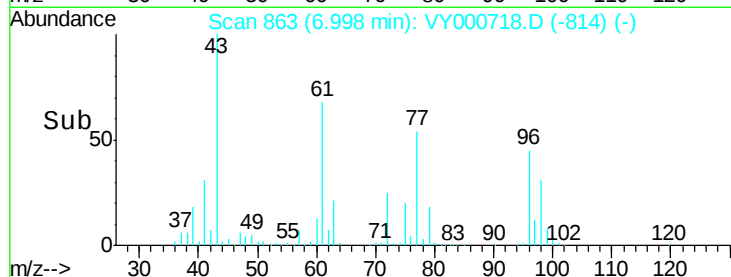
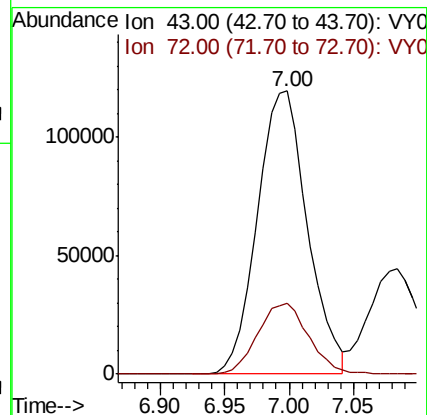
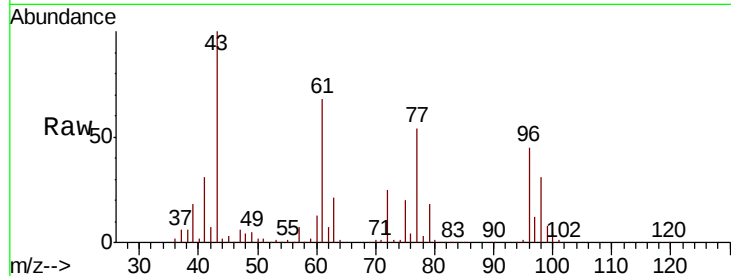
72 25.2 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.941 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000718.D

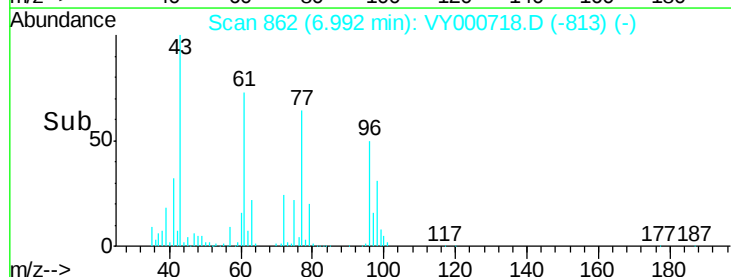
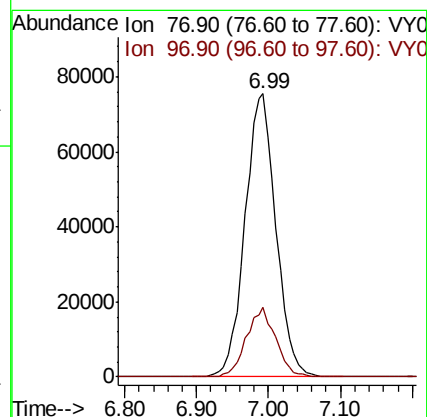
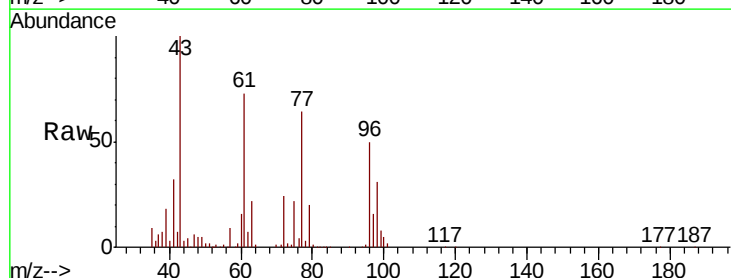
Acq: 18 Nov 2019 11:01

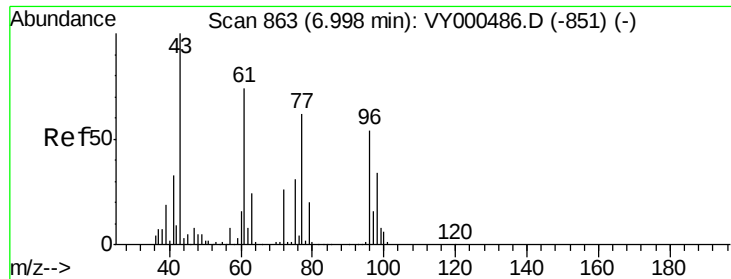
Tgt Ion: 77 Resp: 224404

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.4





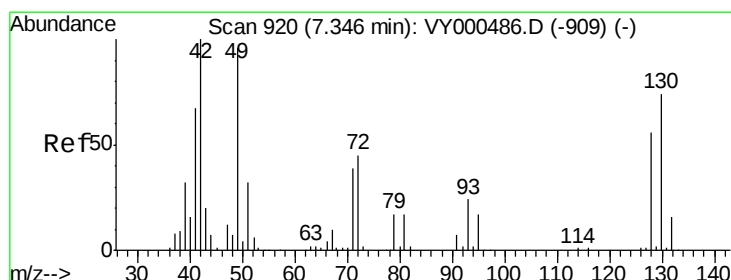
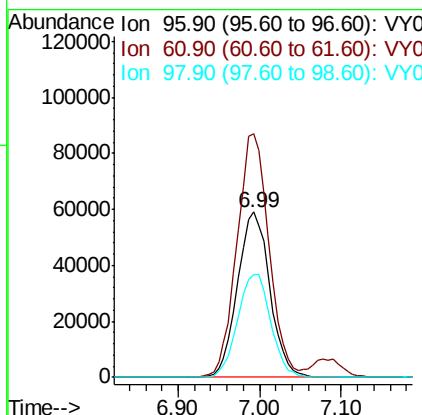
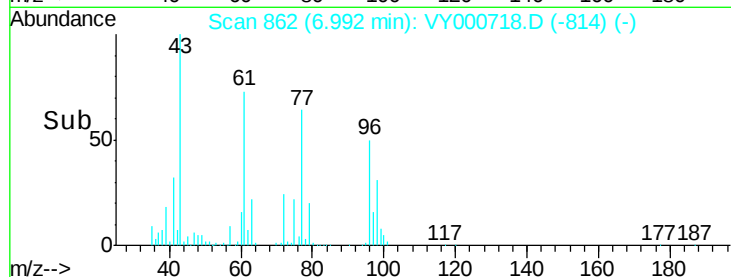
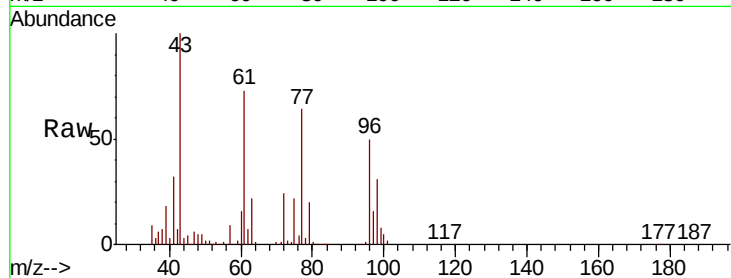
#27
 cis-1,2-Dichloroethene
 Concen: 55.433 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	162924		
61	145.6	0.0	287.0	
98	63.4	0.0	129.4	

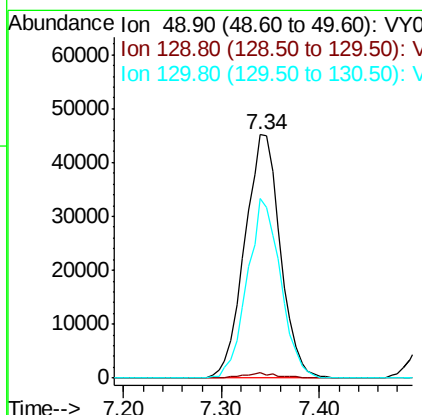
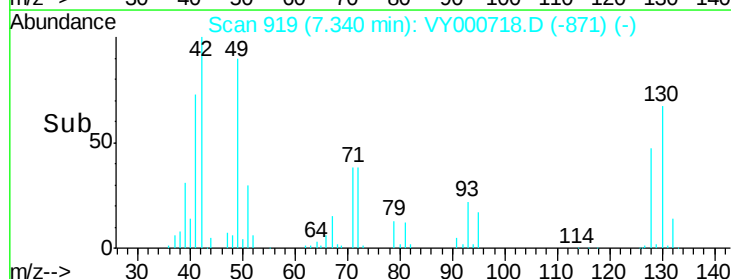
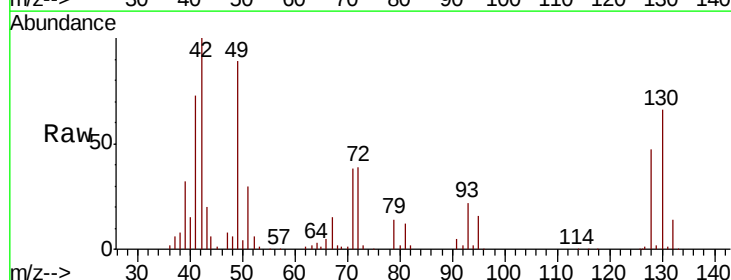
Manual Integrations
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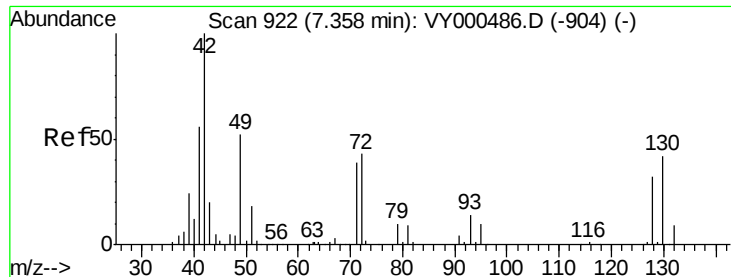
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#28
 Bromochloromethane
 Concen: 54.667 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	114359		
129	1.9	0.0	3.6	
130	69.3	59.4	89.0	





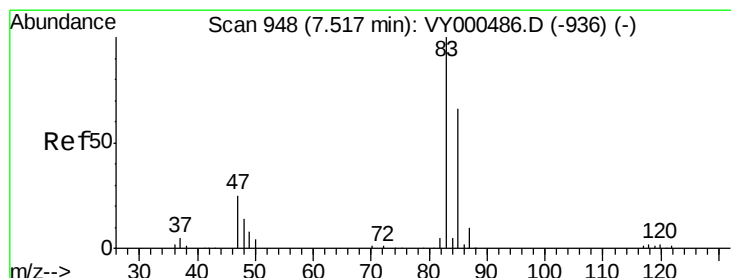
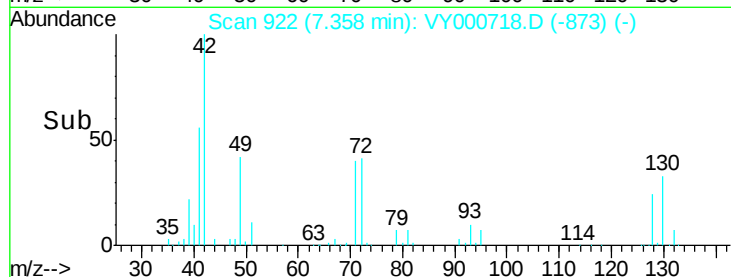
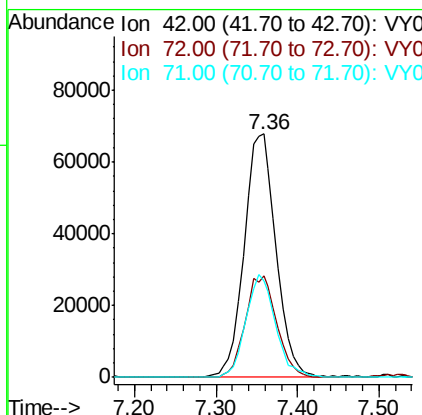
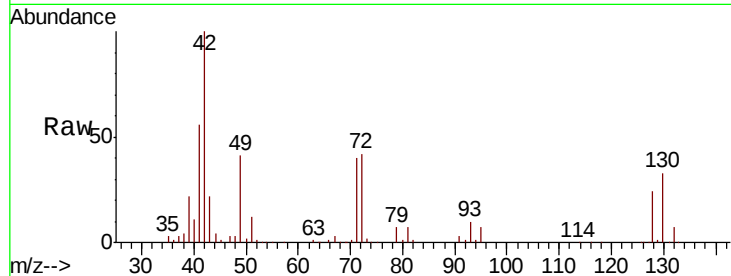
#29
Tetrahydrofuran
Concen: 278.651 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.0	51.0
71	39.3	30.8	46.2

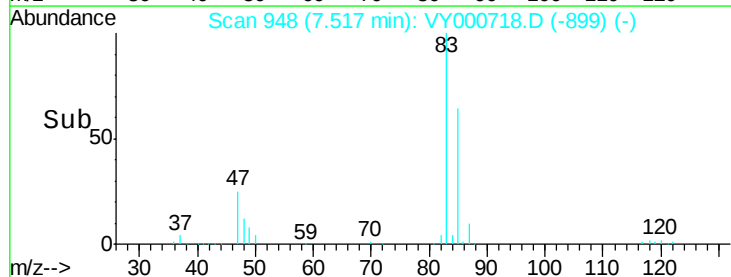
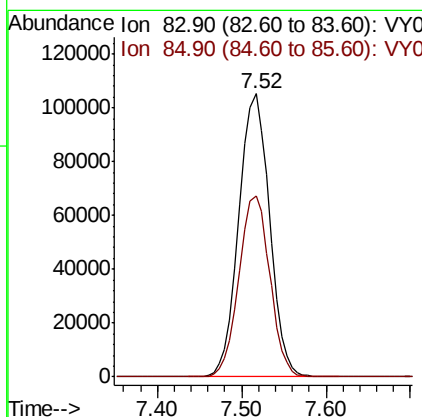
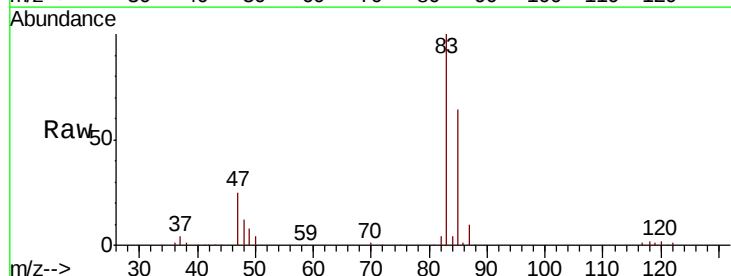
Manual Integrations
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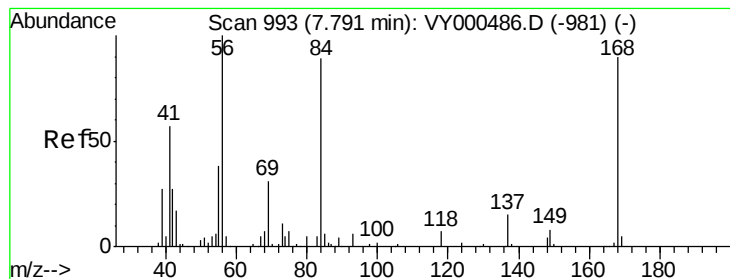
MMDADODA
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#30
Chloroform
Concen: 56.437 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.0	79.4





#31

Cyclohexane

Concen: 52.082 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 248327

Ion Ratio Lower Upper

56 100

69 34.3 25.0 37.6

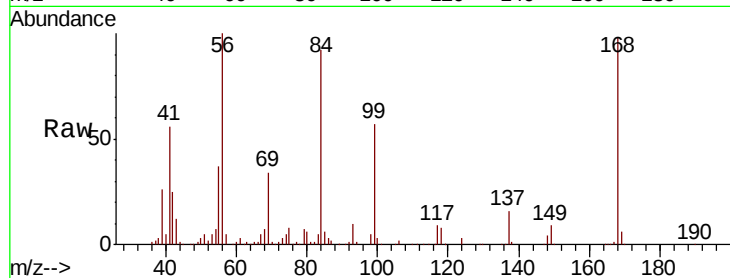
84 89.9 71.4 107.2

Manual Integrations

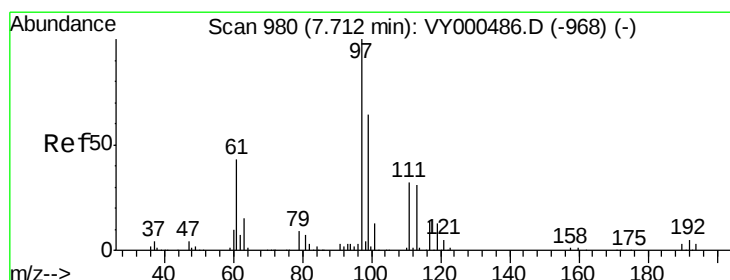
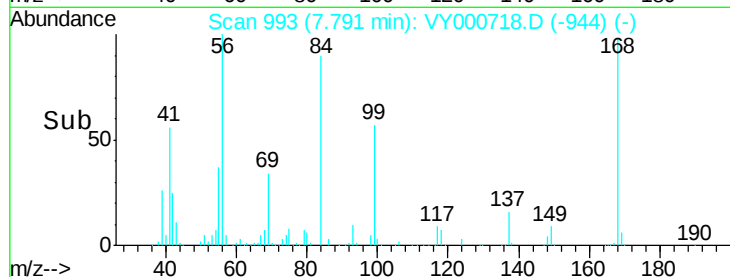
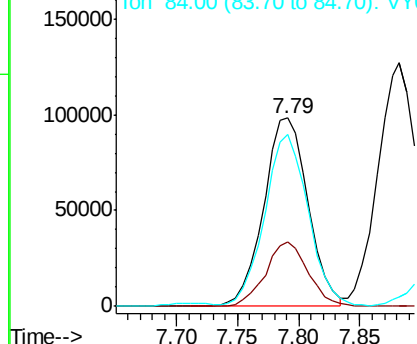
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 54.773 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

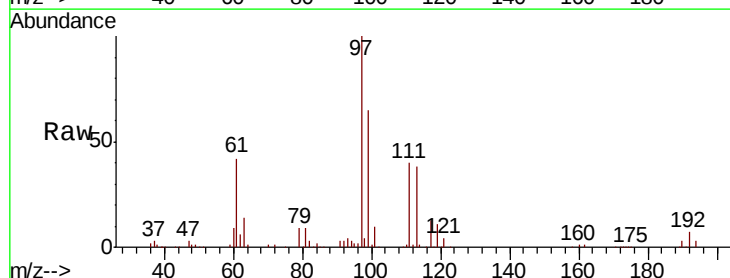
Tgt Ion: 97 Resp: 224798

Ion Ratio Lower Upper

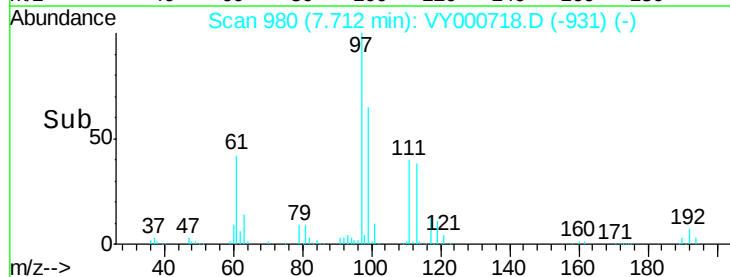
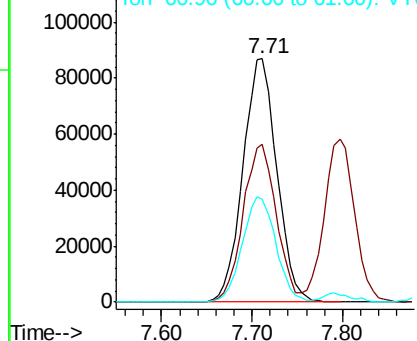
97 100

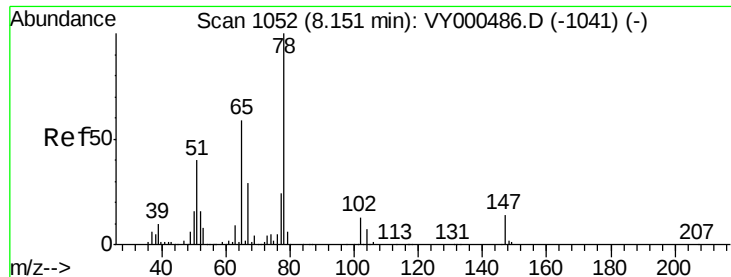
99 63.9 50.9 76.3

61 43.0 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 53.835 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 132605

Ion Ratio Lower Upper

65 100

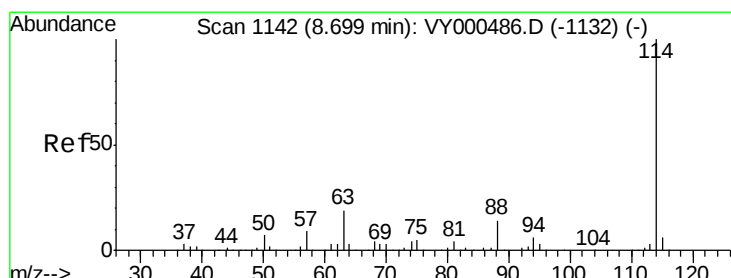
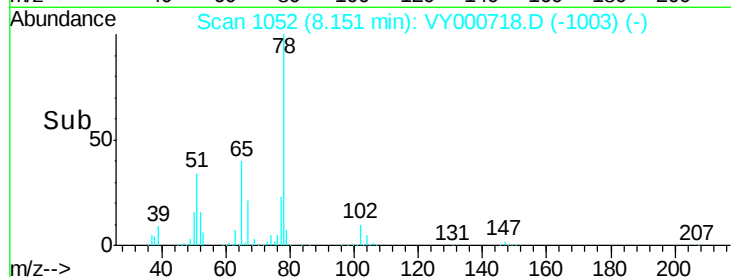
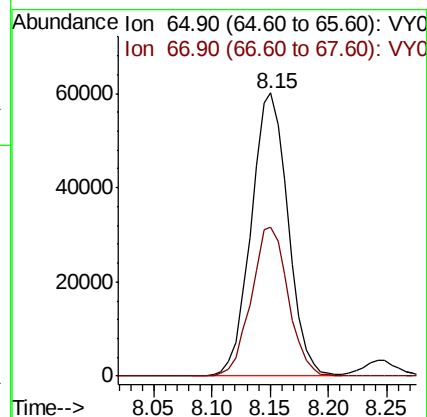
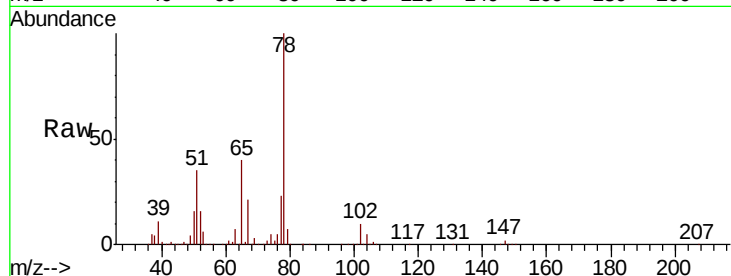
67 52.8 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

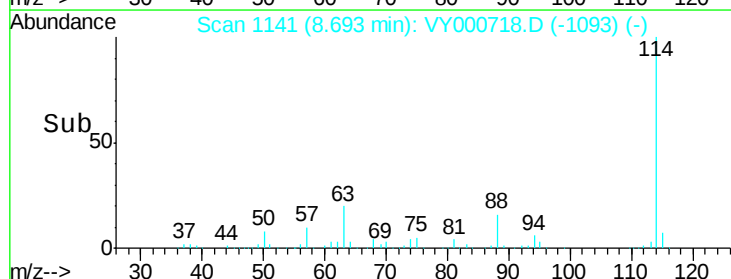
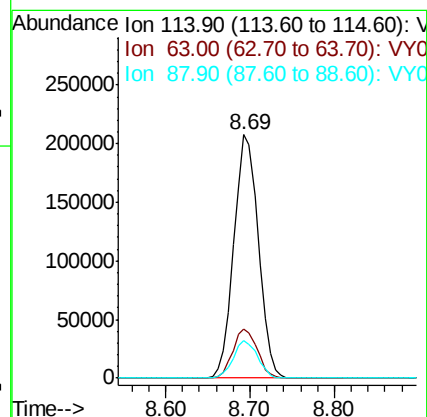
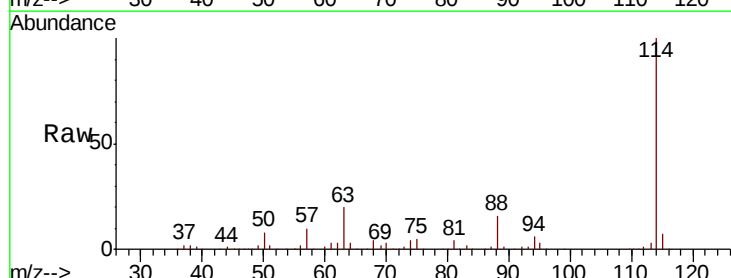
Tgt Ion: 114 Resp: 405447

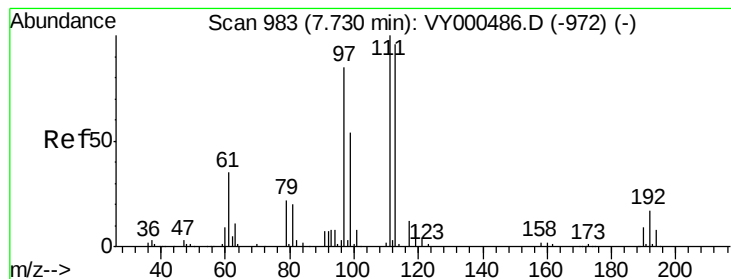
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

88 15.6 0.0 28.6





#35

Dibromofluoromethane

Concen: 50.953 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

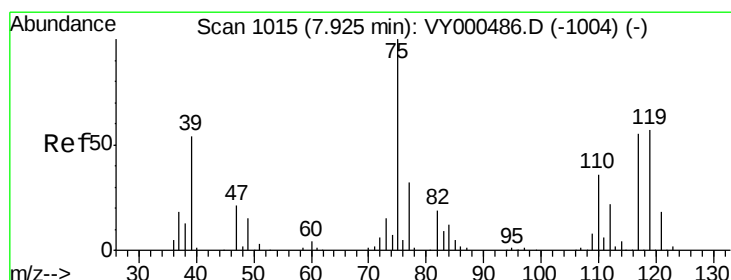
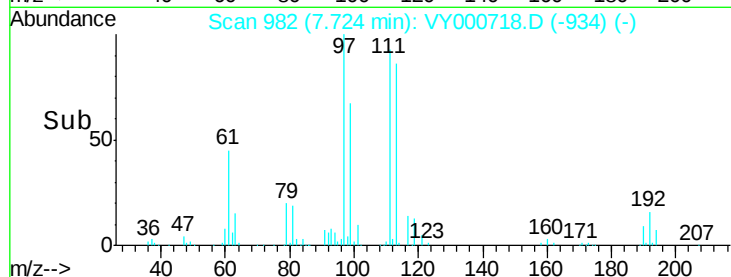
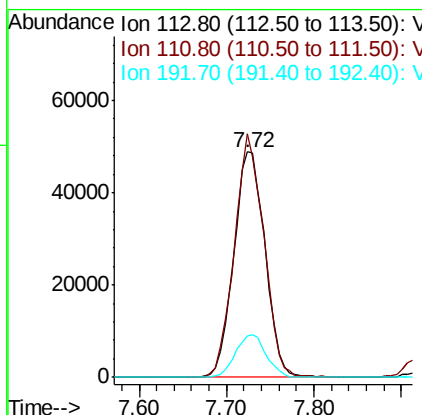
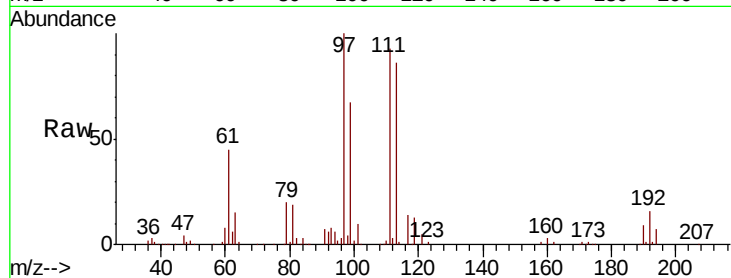
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	121281
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.7	122.5
192	18.4	15.0	22.4

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#36

1,1-Dichloropropene

Concen: 54.209 ug/l

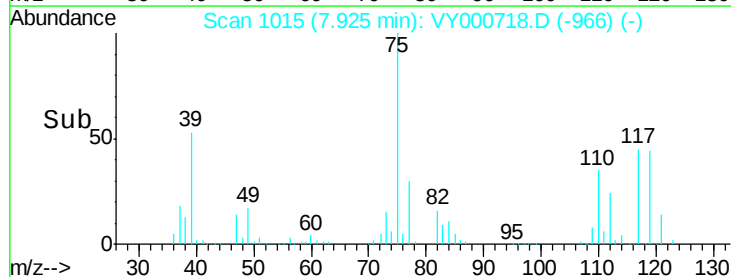
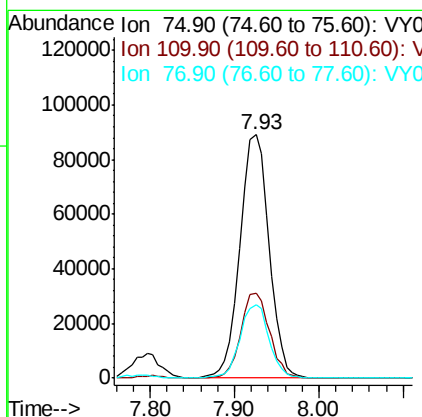
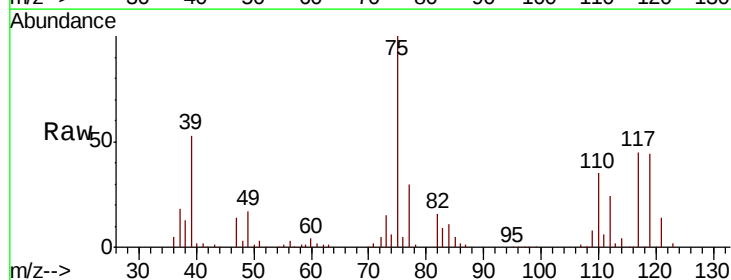
RT: 7.93 min Scan# 1015

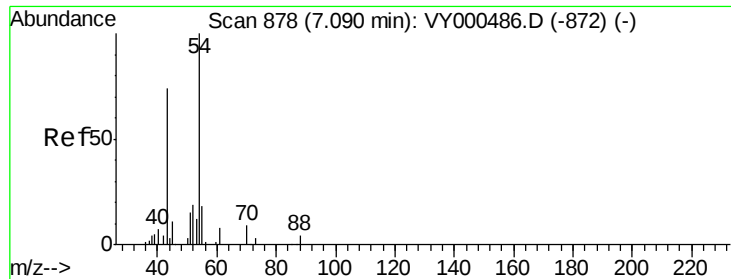
Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Tgt Ion:	75	Resp:	207776
Ion Ratio	Lower	Upper	
75	100		
110	34.1	18.1	54.1
77	30.1	25.0	37.6





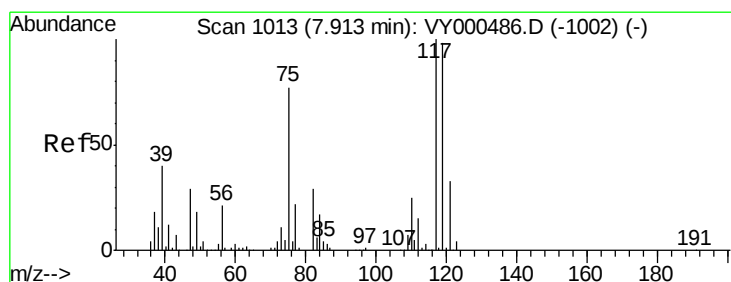
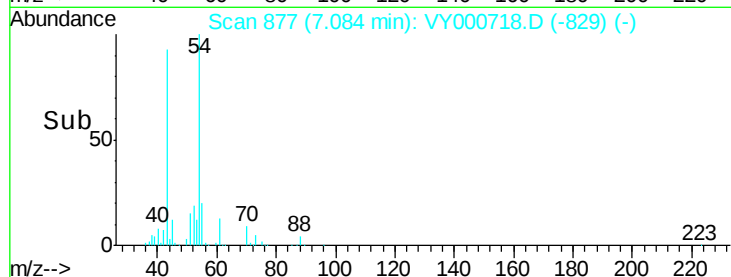
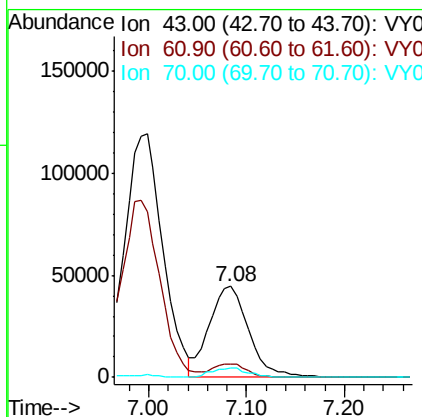
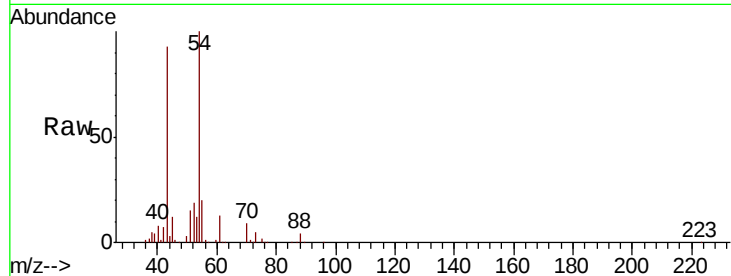
#37
Ethyl Acetate
Concen: 54.732 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.2	15.2
70	9.8	7.8	11.8

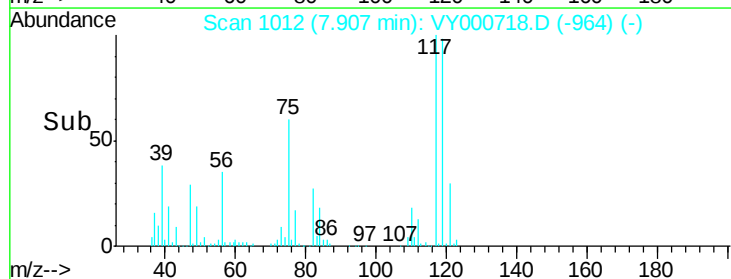
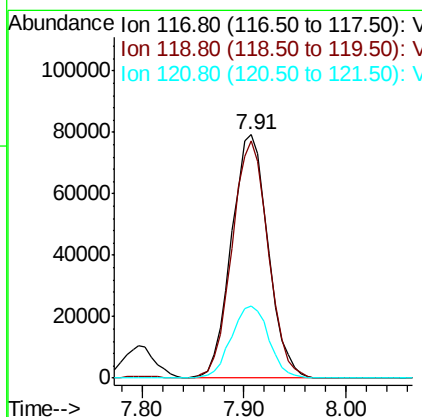
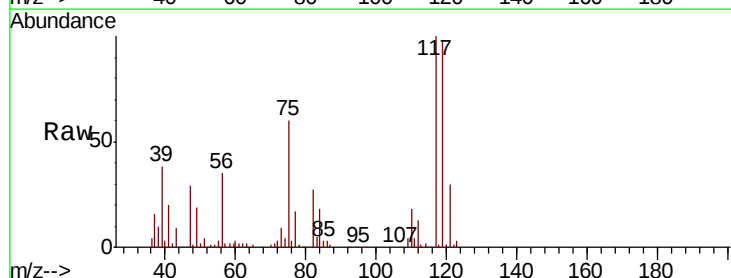
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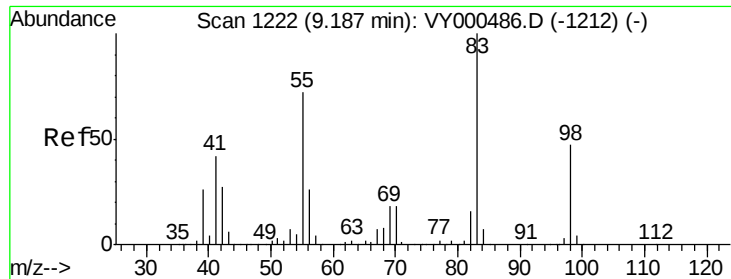
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#38
Carbon Tetrachloride
Concen: 53.479 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	78.0	117.0
121	29.8	26.6	40.0





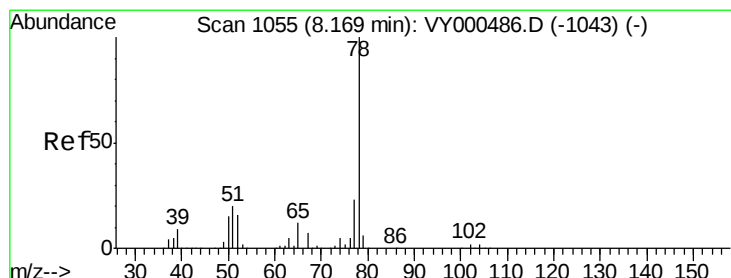
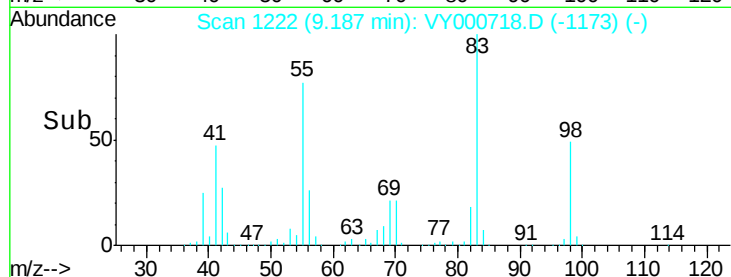
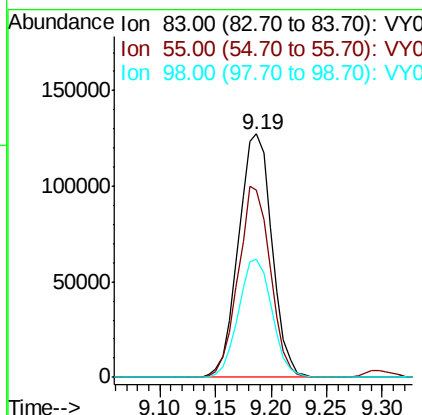
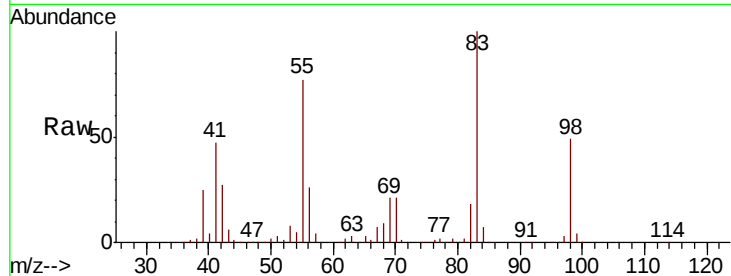
#39
Methvlcvclohexane
Concen: 53.687 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	265849
Ion Ratio	100	Lower	Upper
83	100		
55	77.0	57.5	86.3
98	48.6	38.0	57.0

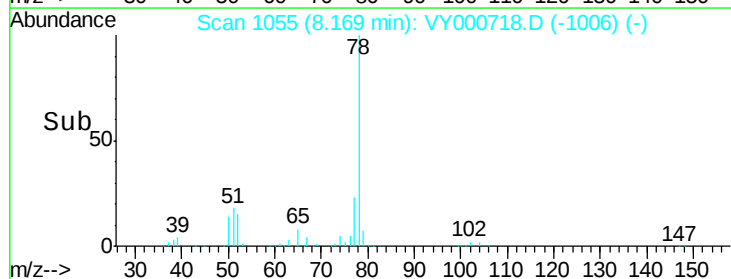
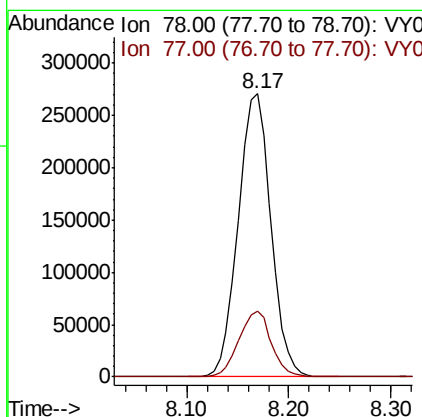
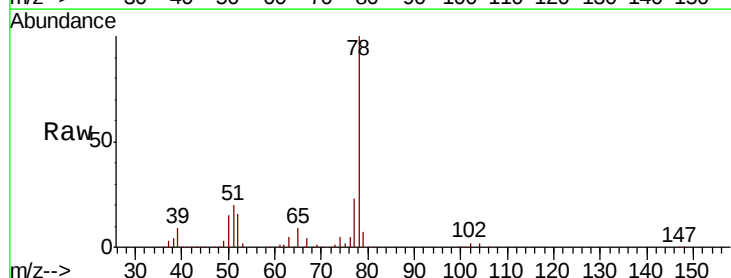
Manual Integrations
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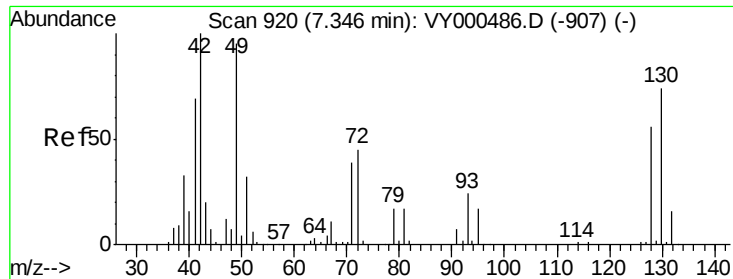
MMDADODA
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#40
Benzene
Concen: 53.623 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	78.00	Resp	602568
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.6	28.0





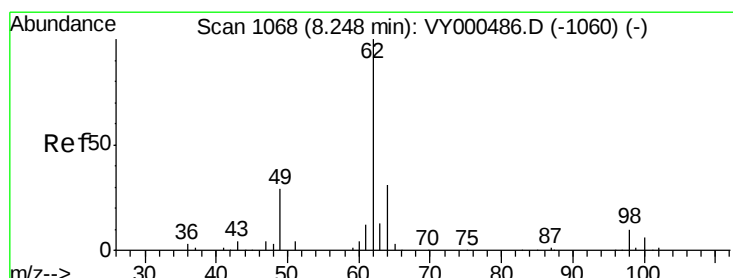
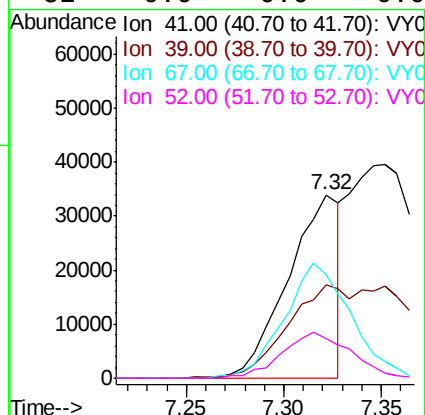
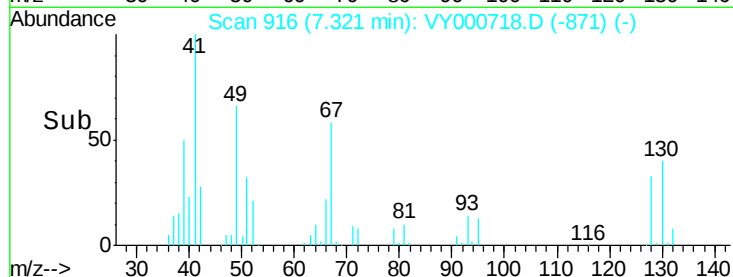
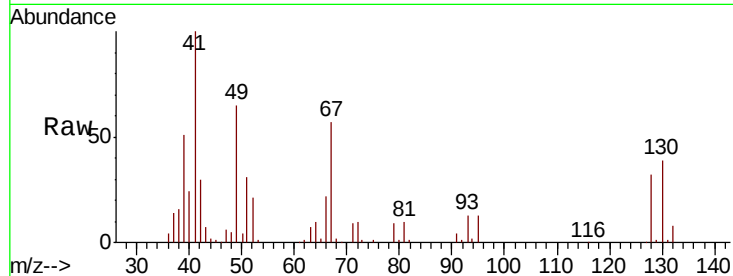
#41
Methacrylonitrile
Concen: 49.756 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.02 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	63164
Ion Ratio	Lower	Upper	
41	100		
39	0.0	68.2	102.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

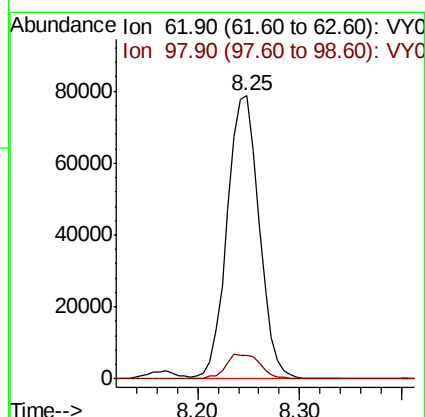
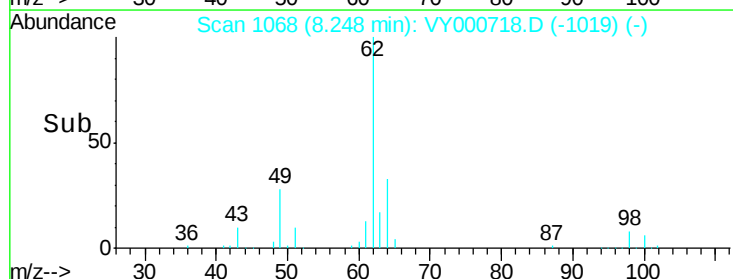
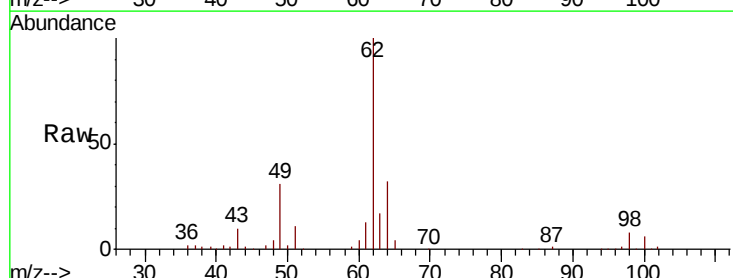
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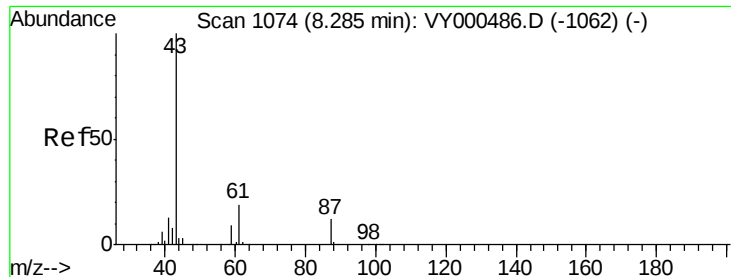
MMDADODA
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#42
1,2-Dichloroethane
Concen: 53.712 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion:	62	Resp:	171187
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	19.2





#43

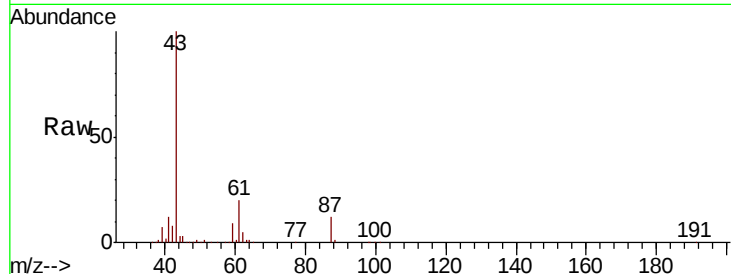
Isopropyl Acetate
 Concen: 53.950 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

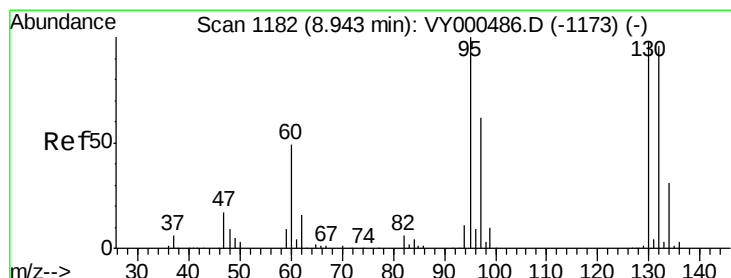
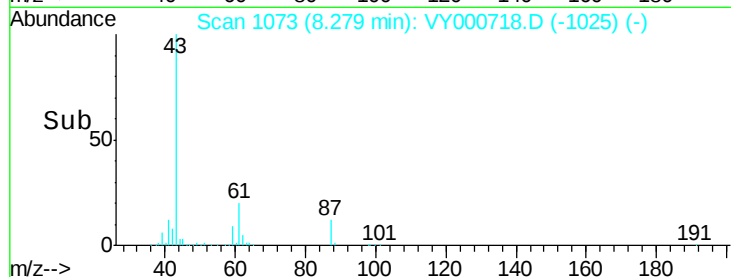
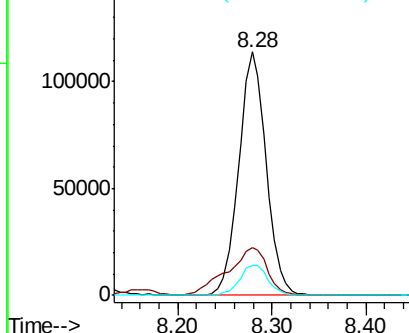
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.0	34.4
87	12.8	10.5	15.7

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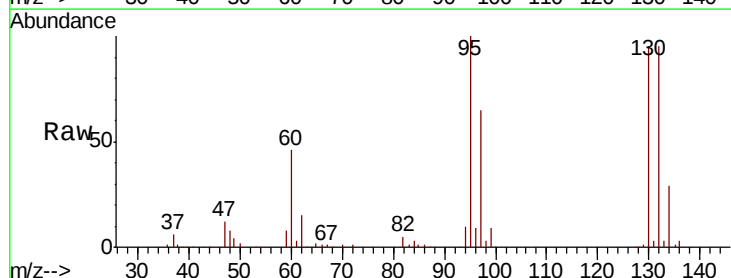
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



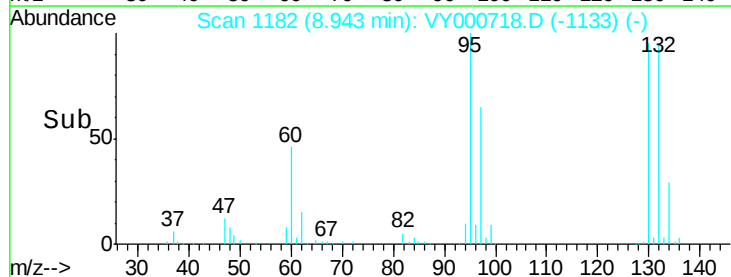
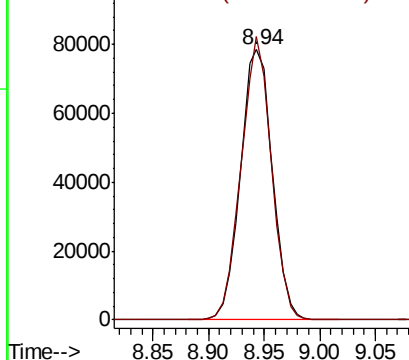
#44

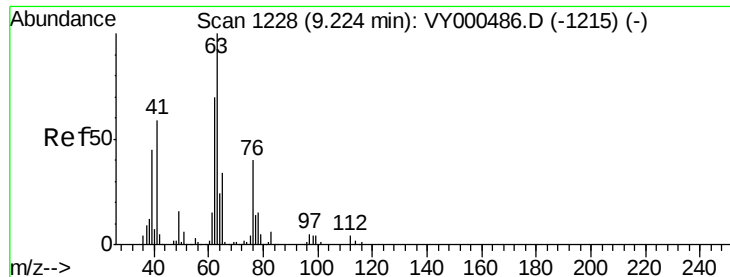
Trichloroethene
 Concen: 52.682 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	203.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 54.318 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 150227

Ion Ratio Lower Upper

63 100

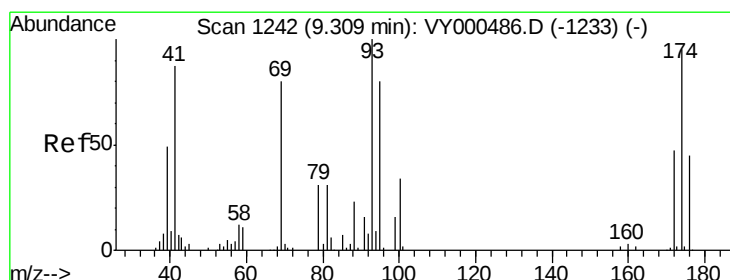
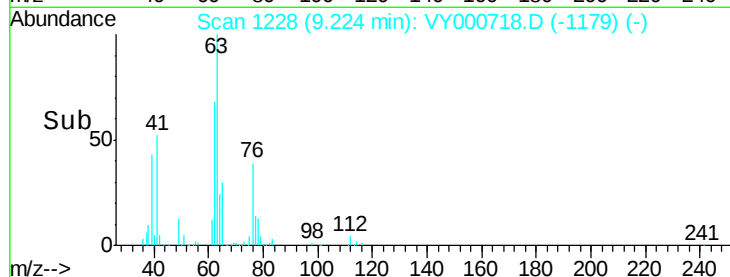
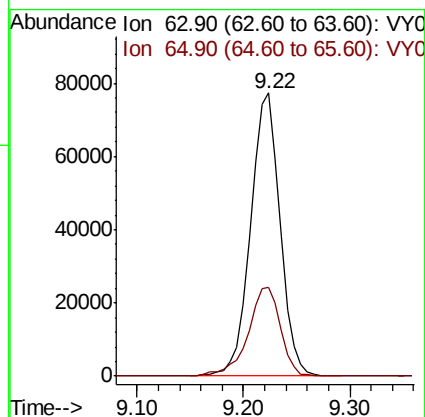
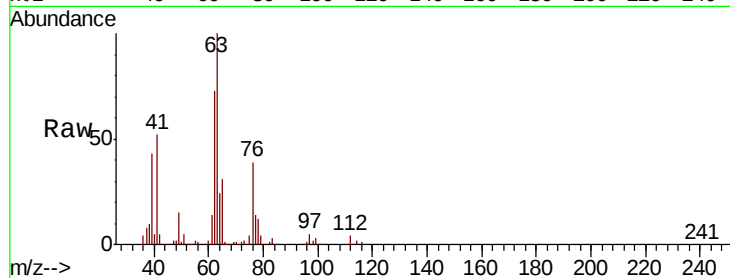
65 31.3 27.0 40.4

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#46

Dibromomethane

Concen: 54.032 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

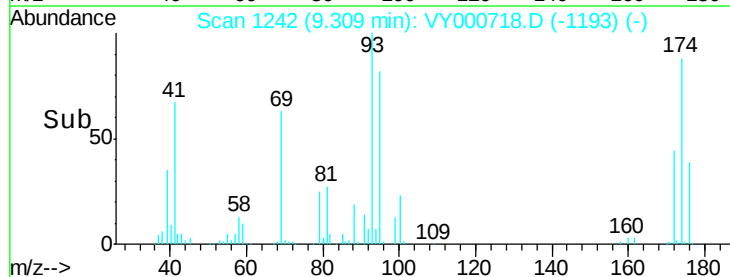
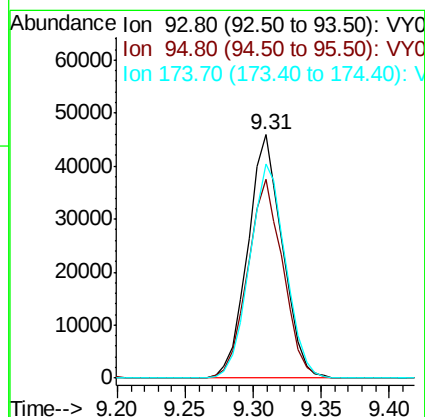
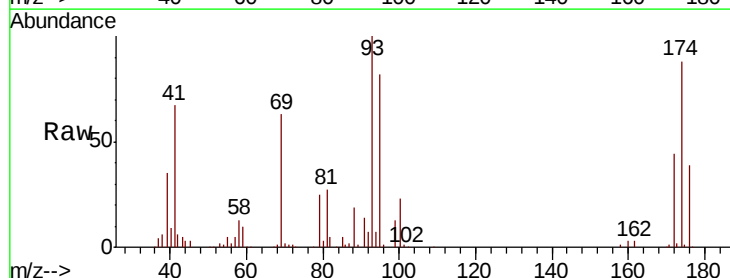
Tgt Ion: 93 Resp: 82184

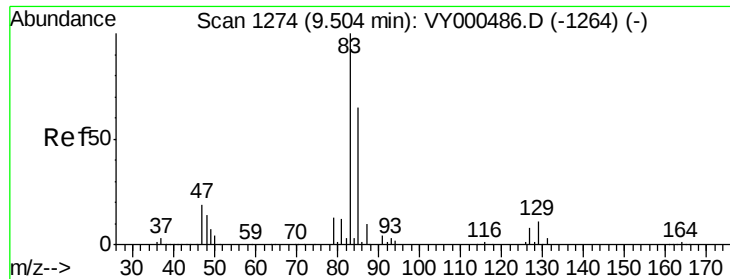
Ion Ratio Lower Upper

93 100

95 82.7 66.4 99.6

174 90.9 77.1 115.7





#47

Bromodichloromethane

Concen: 55.084 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

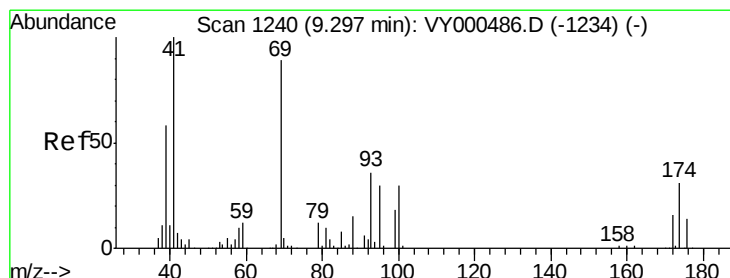
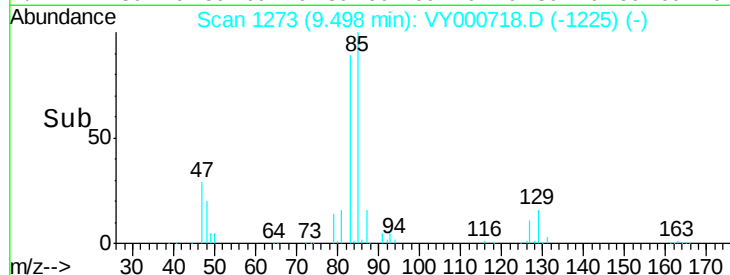
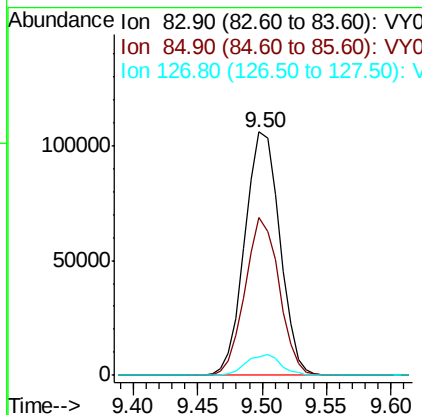
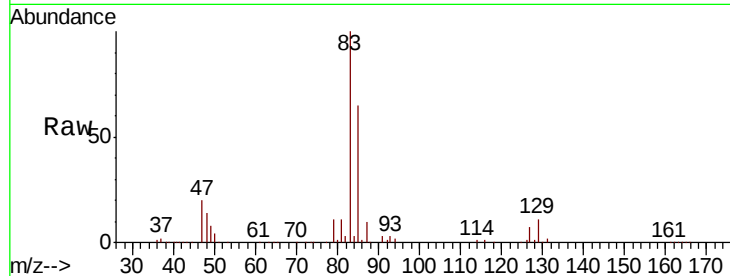
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	198803
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.8	77.8
127	7.4	6.7	10.1

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#48

Methyl methacrylate

Concen: 55.608 ug/l

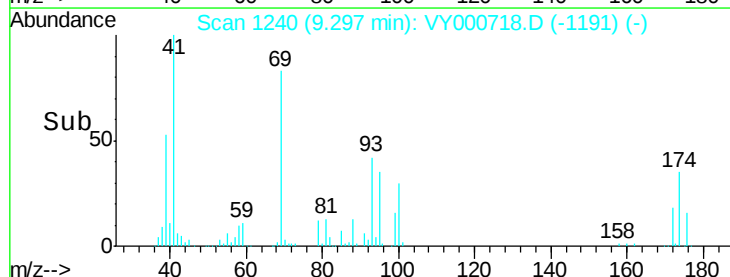
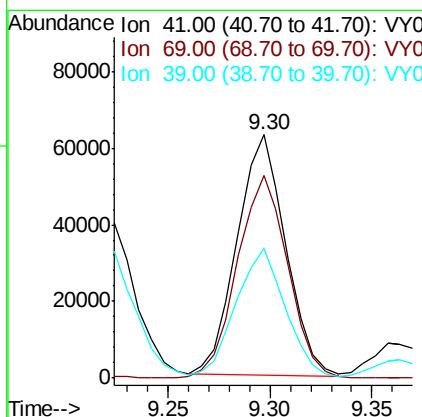
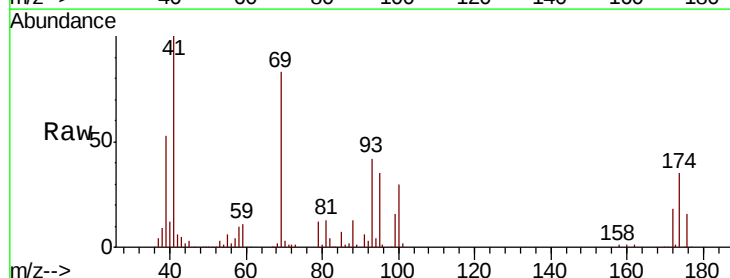
RT: 9.30 min Scan# 1240

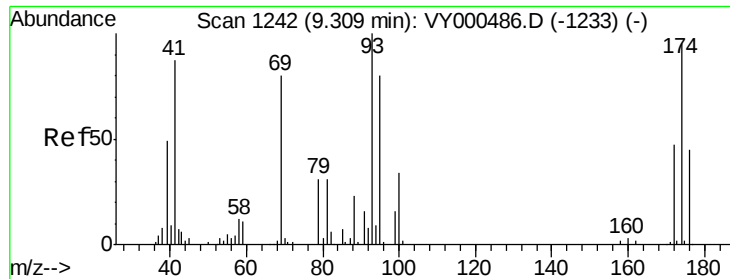
Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Tgt Ion:	41	Resp:	103862
Ion Ratio	Lower	Upper	
41	100		
69	87.6	72.5	108.7
39	55.6	47.8	71.8





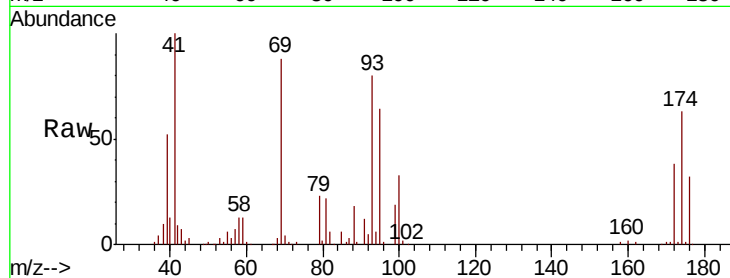
#49
1,4-Dioxane
Concen: 1039.441 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

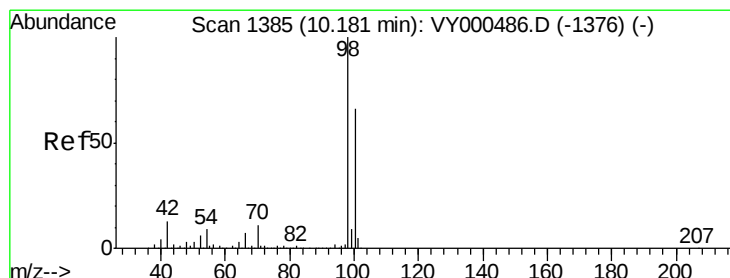
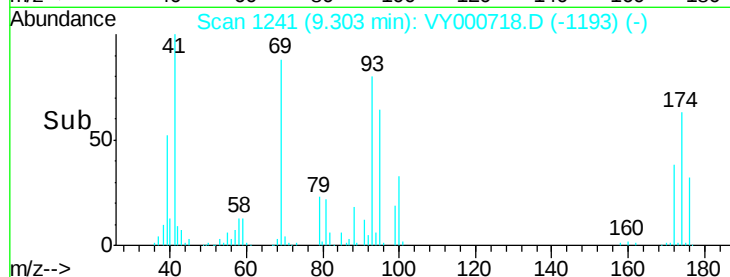
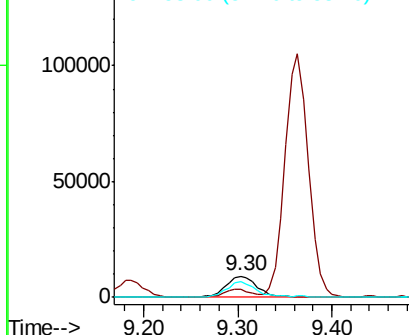
Tot Ion	88	Resp	21278
Ion Ratio	Lower	Upper	
88	100		
43	34.5	25.1	37.7
58	73.5	50.6	75.8

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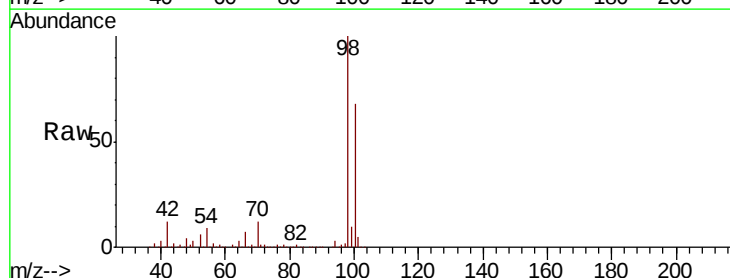


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

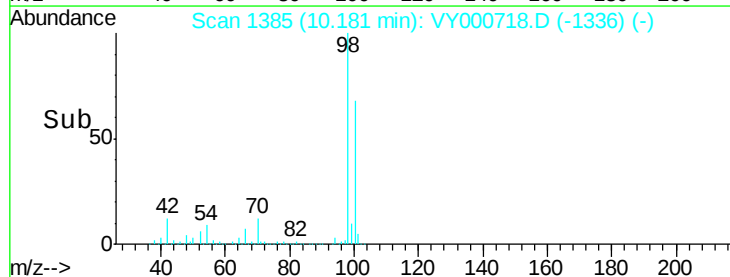
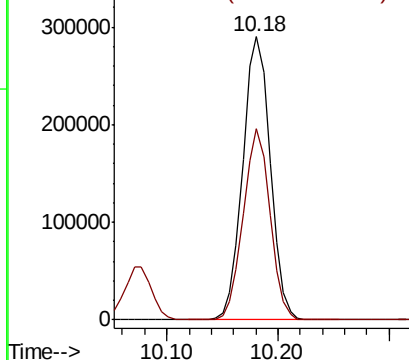


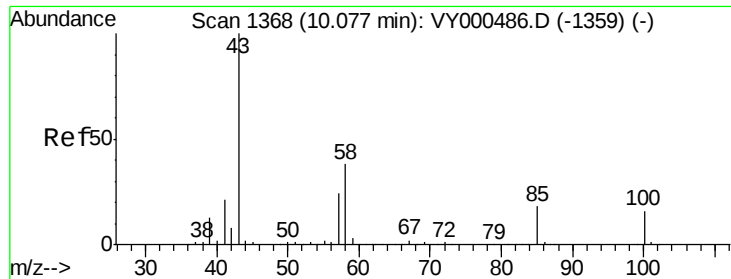
#50
Toluene-d8
Concen: 55.126 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	98	Resp	497881
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 273.227 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 620983

Ion Ratio Lower Upper

43 100

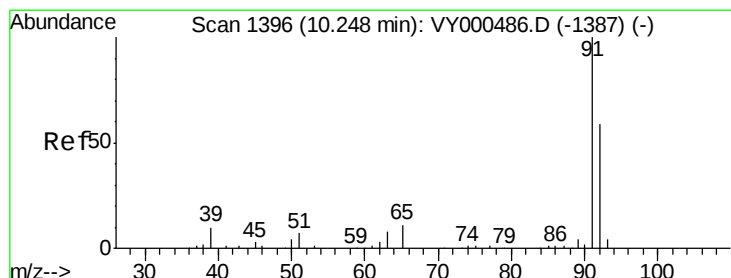
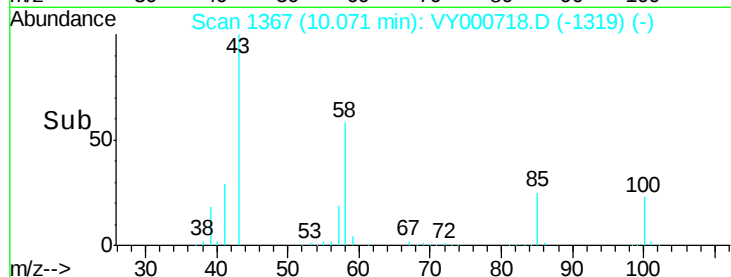
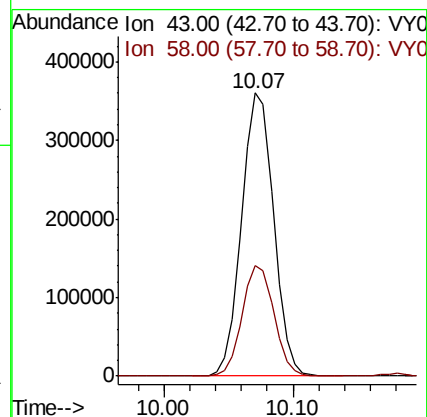
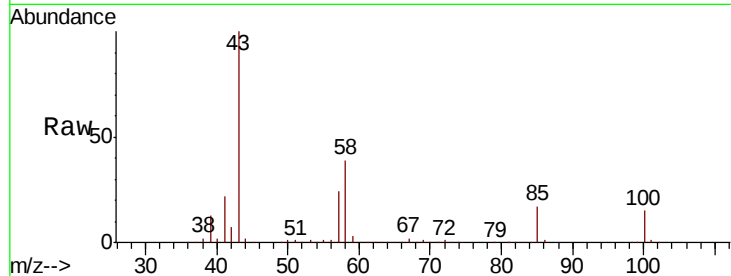
58 38.8 30.2 45.4

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#52

Toluene

Concen: 54.553 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000718.D

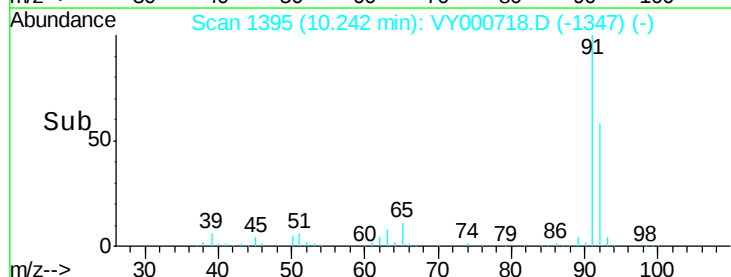
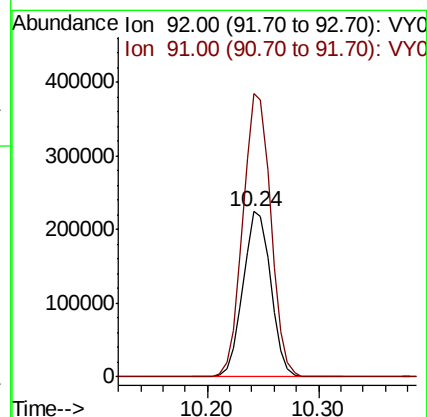
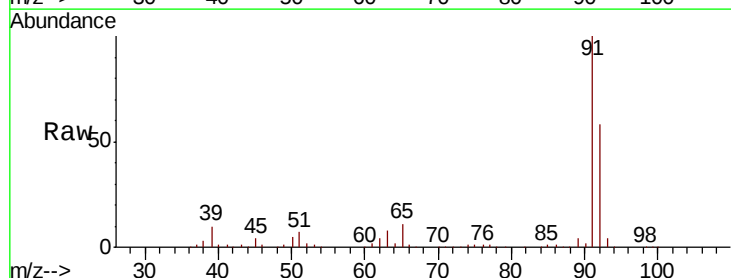
Acq: 18 Nov 2019 11:01

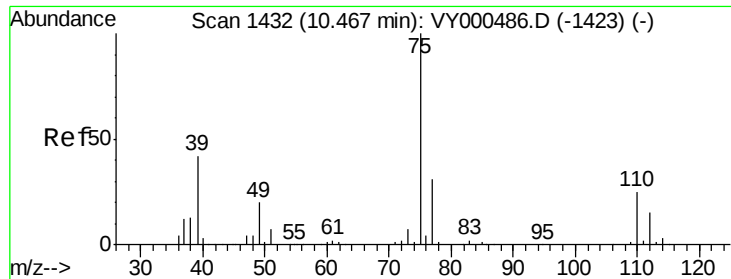
Tgt Ion: 92 Resp: 387569

Ion Ratio Lower Upper

92 100

91 172.4 136.3 204.5





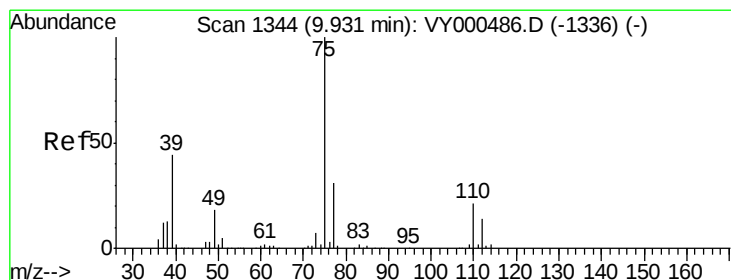
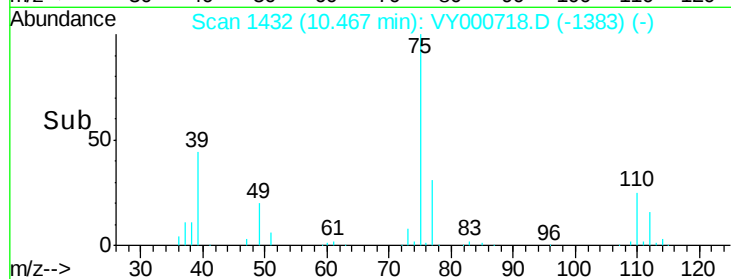
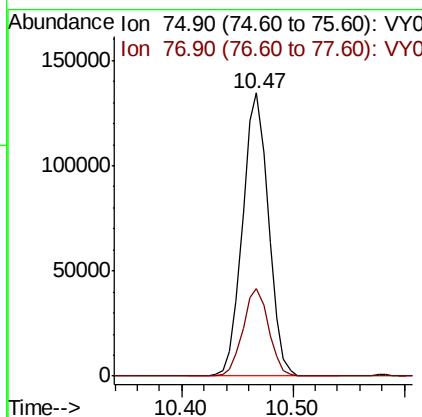
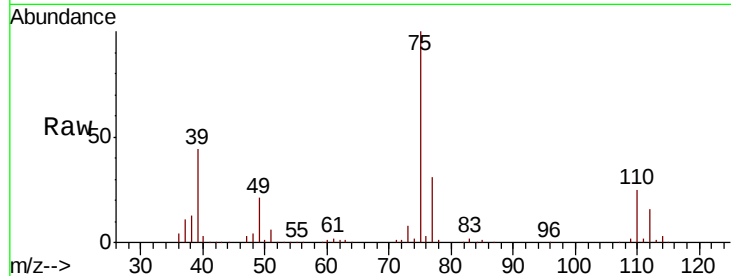
#53
t-1,3-Dichloropropene
Concen: 56.281 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 217037
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0

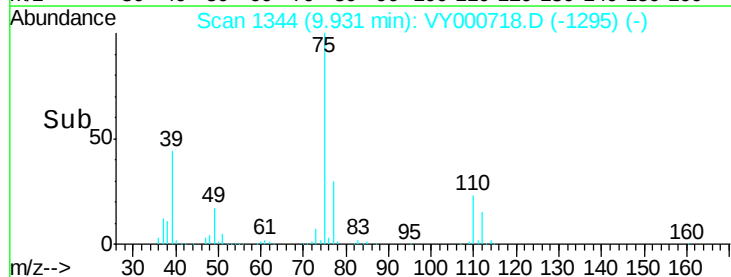
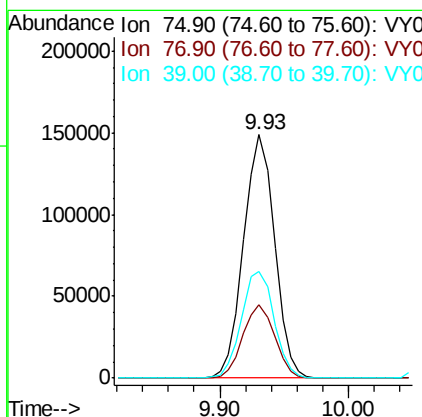
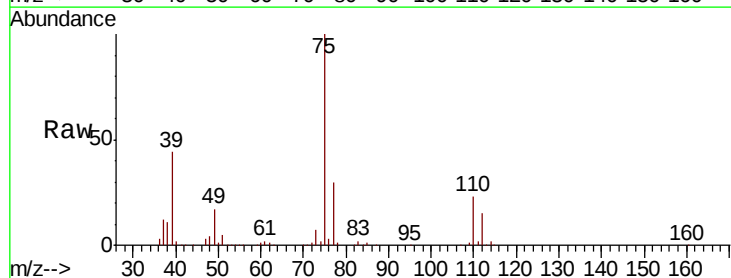
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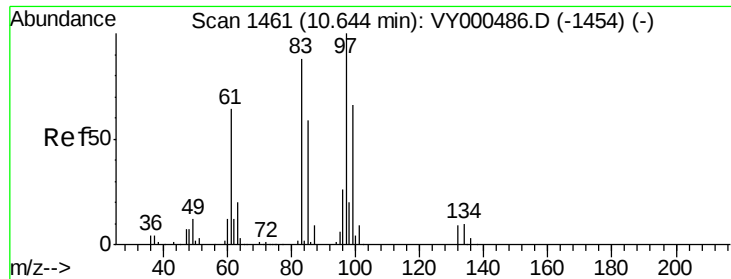
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#54
cis-1,3-Dichloropropene
Concen: 56.130 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion: 75 Resp: 247968
Ion Ratio Lower Upper
75 100
77 30.0 24.5 36.7
39 43.9 35.4 53.2





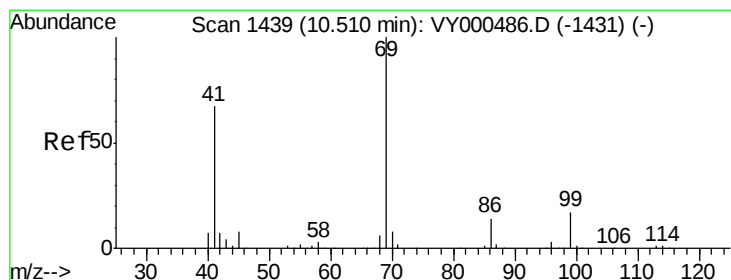
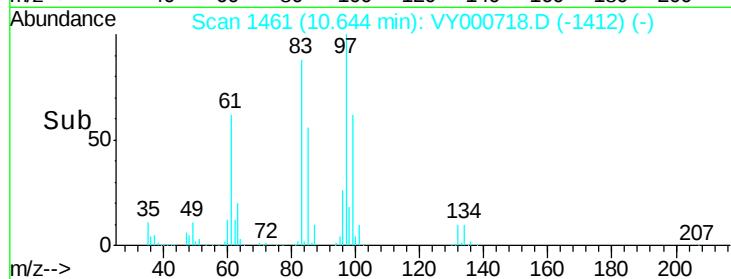
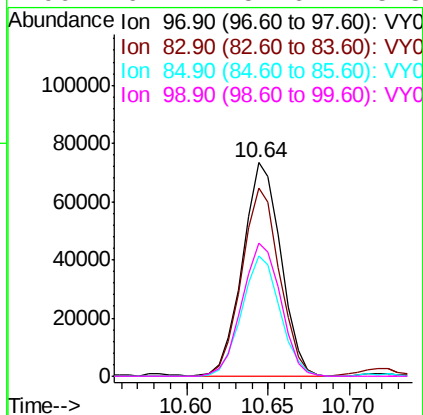
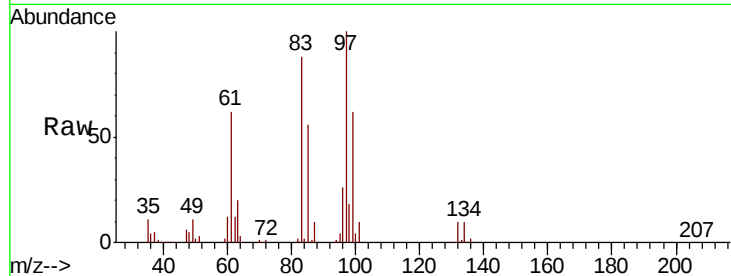
#55
 1,1,2-Trichloroethane
 Concen: 54.601 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120120		
83	88.5	70.2	105.4		
85	56.3	46.9	70.3		
99	62.4	52.6	78.8		

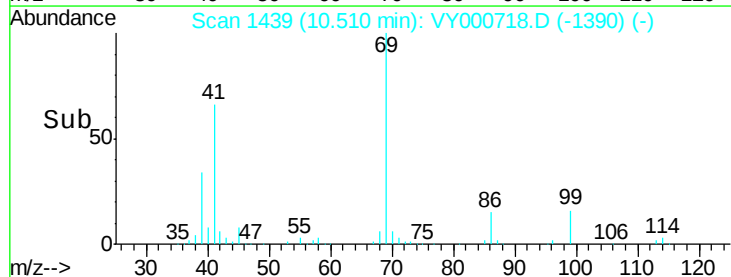
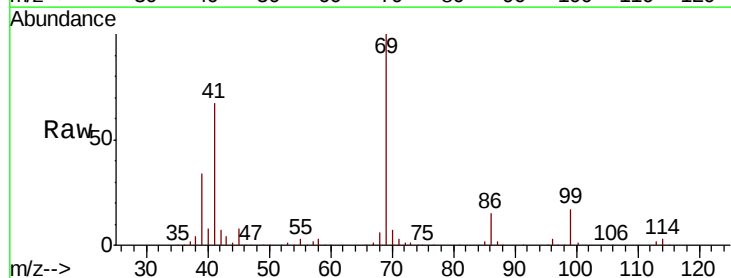
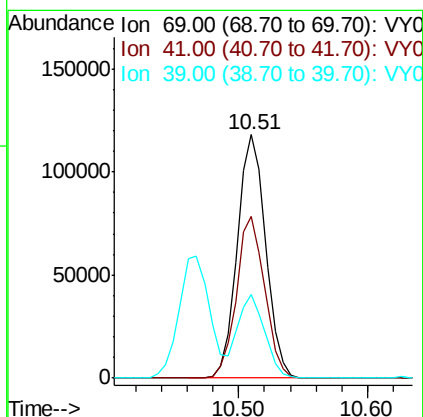
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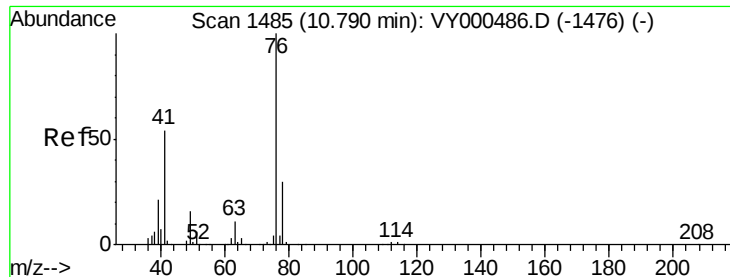
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#56
 Ethyl methacrylate
 Concen: 57.890 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		180507		
41	65.7	53.3	79.9		
39	31.7	28.0	42.0		





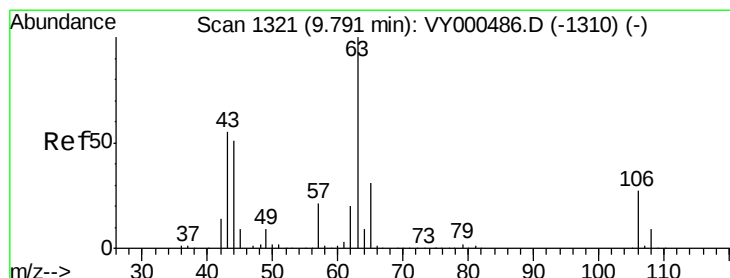
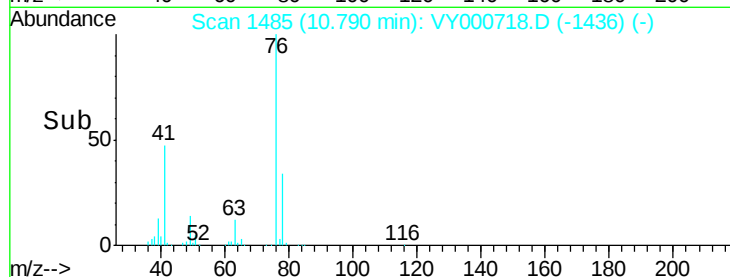
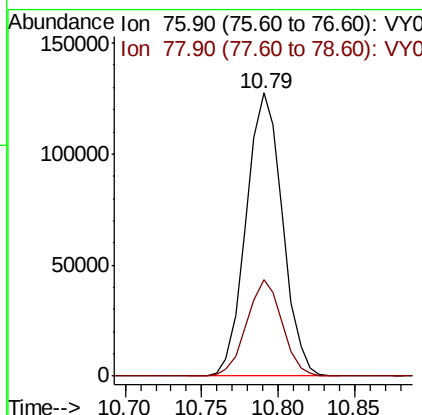
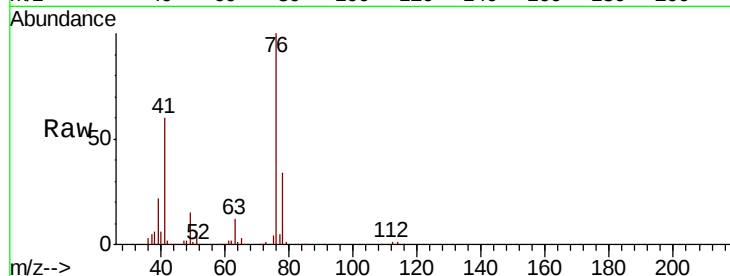
#57
 1,3-Dichloropropane
 Concen: 54.738 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 210765
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.2 37.8

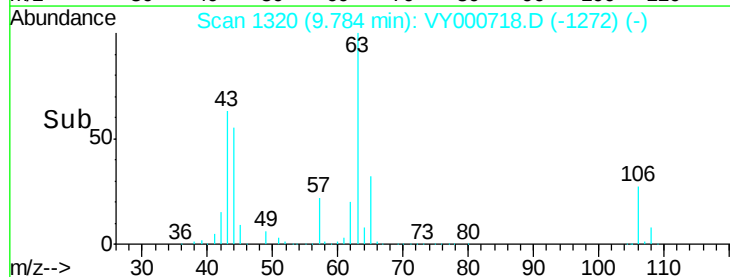
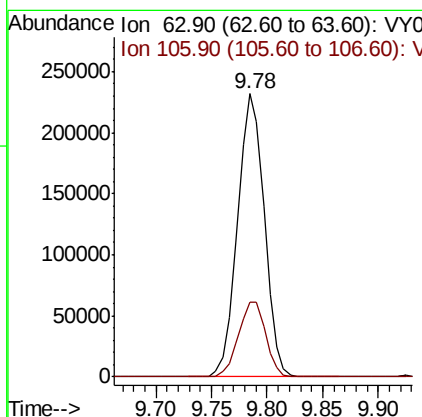
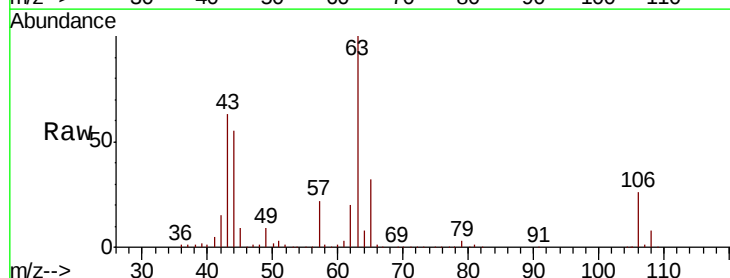
Manual Integrations
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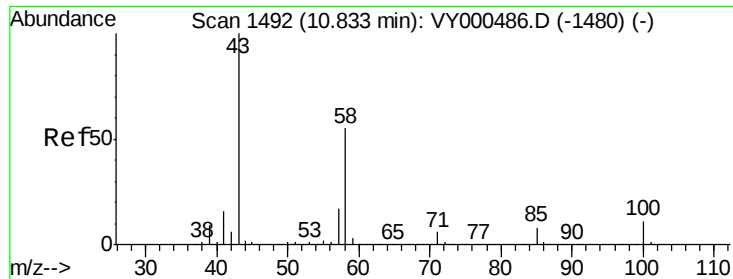
MMDADODA
 11/19/2019 12:21:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.176 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Tgt Ion: 63 Resp: 385084
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.6 33.8





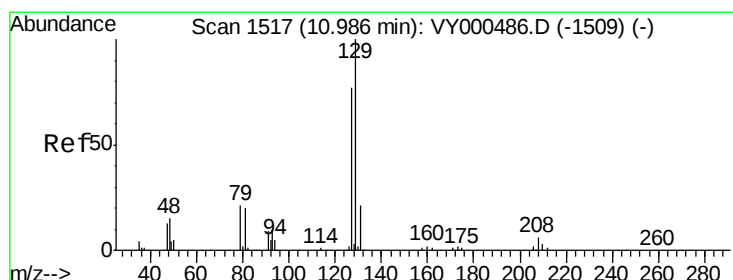
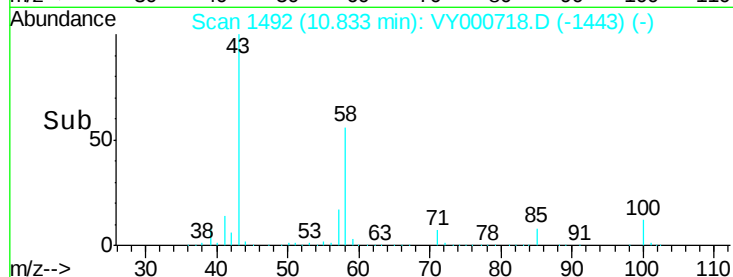
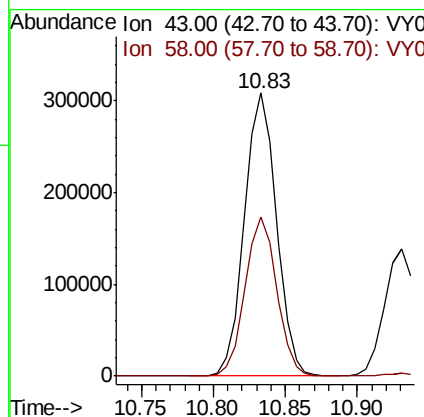
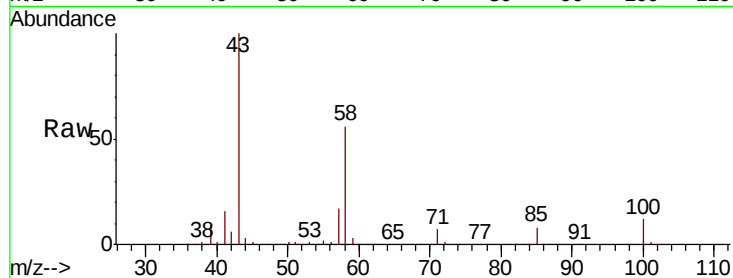
#59
2-Hexanone
Concen: 287.188 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 475563
Ion Ratio Lower Upper
43 100
58 55.4 27.1 81.3

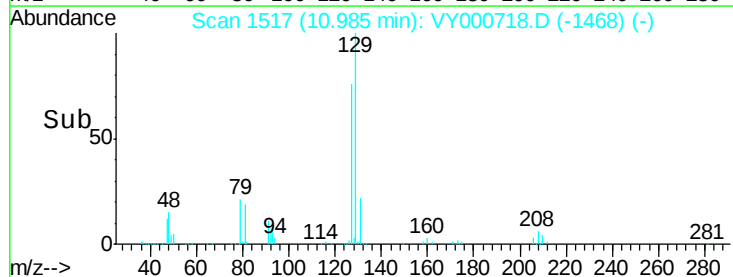
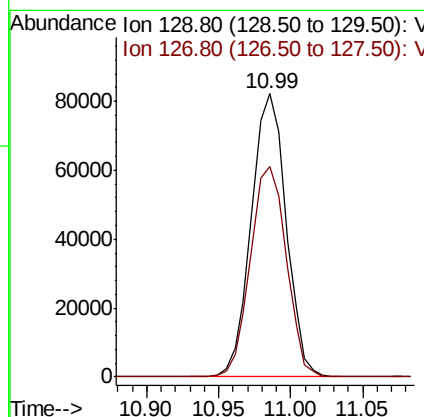
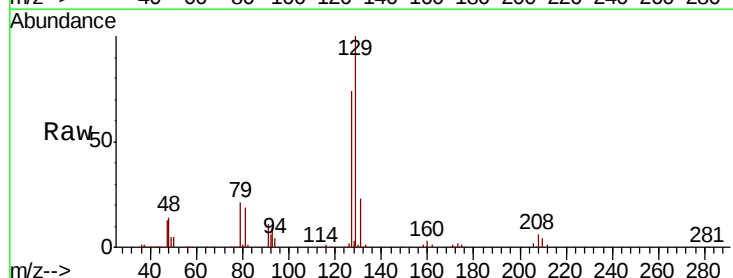
Manual Integrations
APPROVED

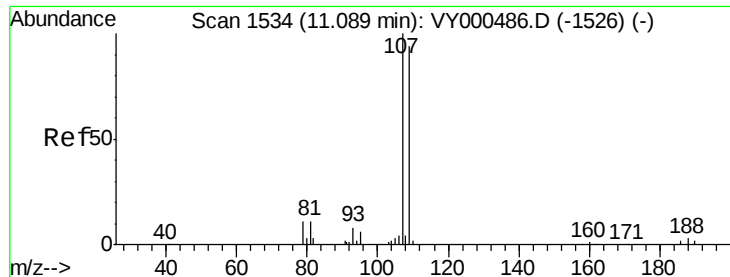
MMDADODA
11/19/2019 12:21:40 PM



#60
Dibromochloromethane
Concen: 54.459 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion: 129 Resp: 137232
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





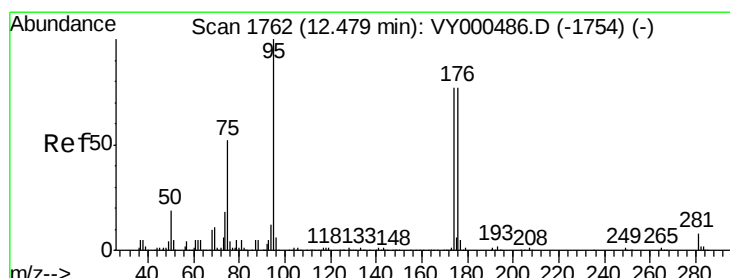
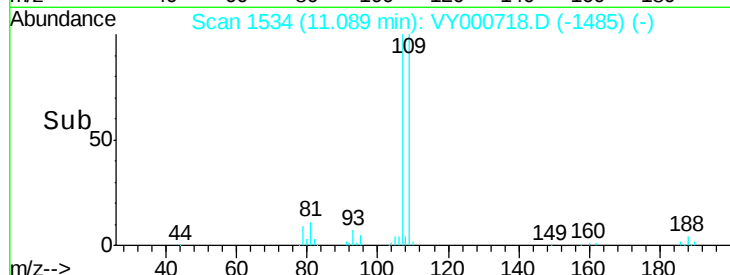
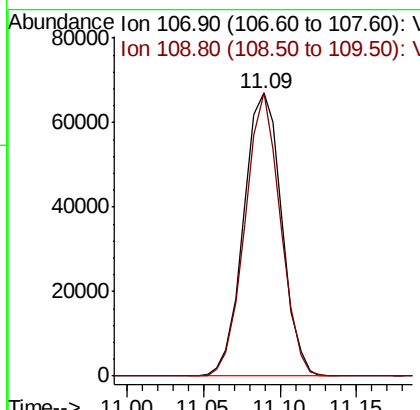
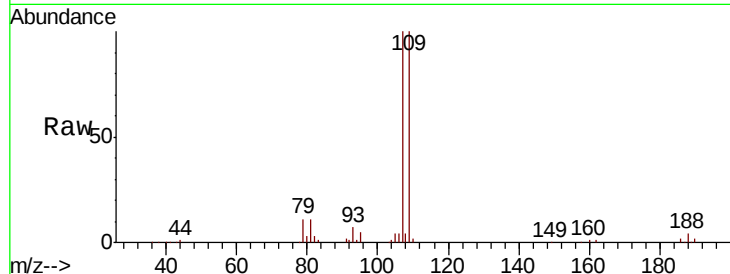
#61
1,2-Dibromoethane
Concen: 54.670 ug/l
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	115641		
109	93.3	73.6	110.4	

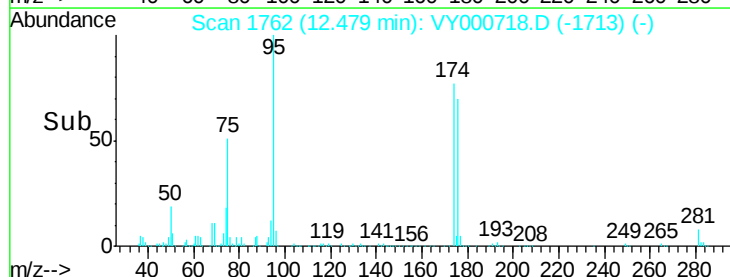
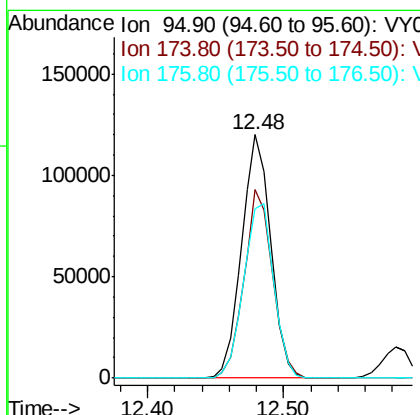
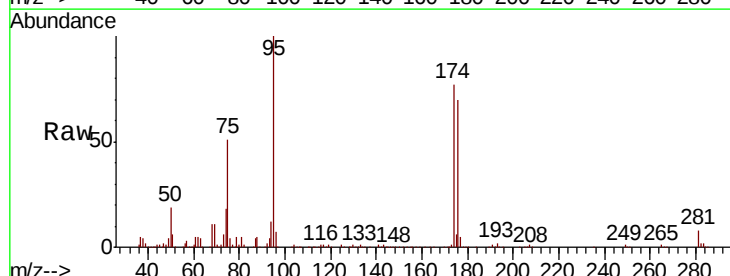
Manual Integrations
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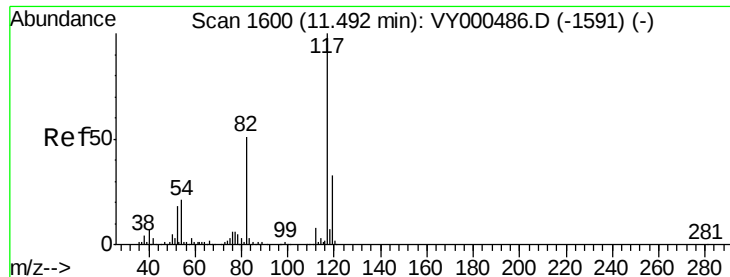
MMDADODA
11/19/2019 12:21:40 PM



#62
4-Bromofluorobenzene
Concen: 52.086 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	179090		
174	75.9	0.0	161.6	
176	74.8	0.0	157.8	





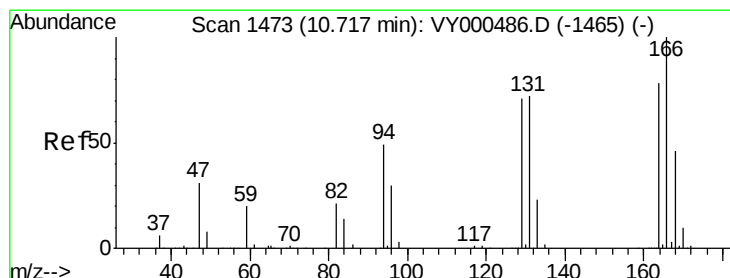
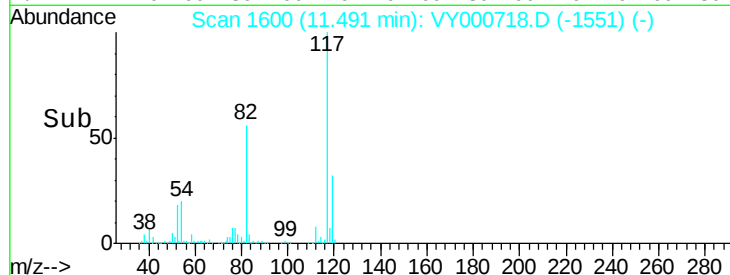
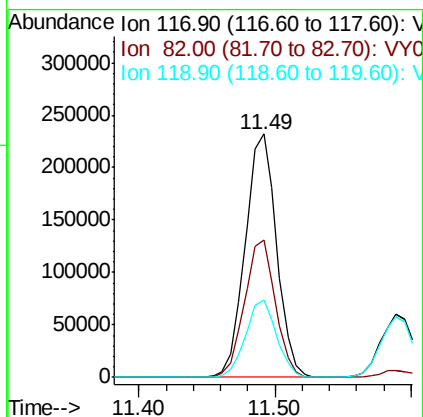
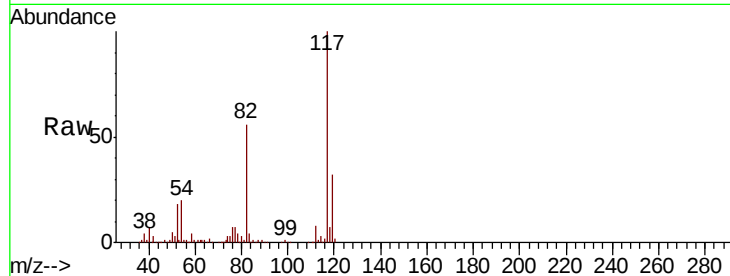
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	40.8	61.2
119	32.0	26.2	39.2

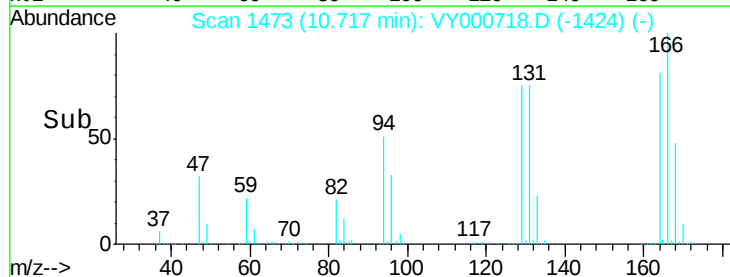
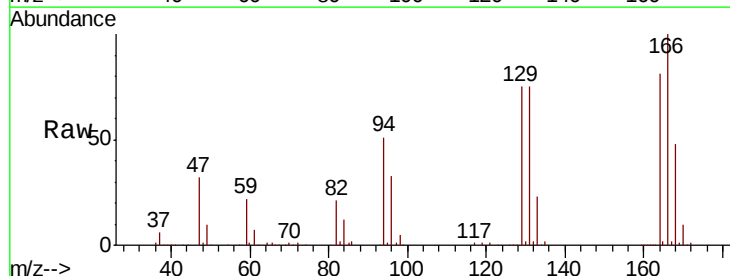
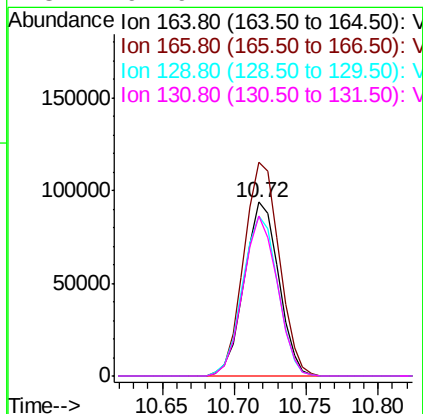
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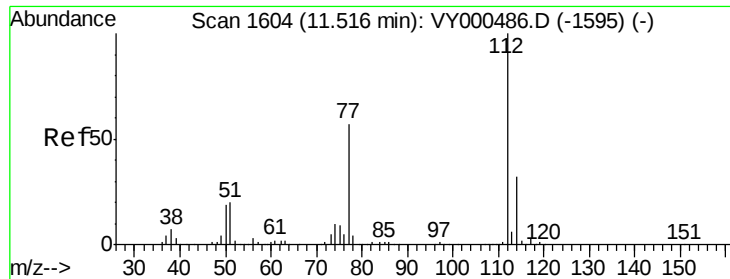
MMDADODA
11/19/2019 12:21:40 PM



#64
Tetrachloroethene
Concen: 50.009 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	102.7	154.1
129	92.3	73.2	109.8
131	91.9	74.2	111.2





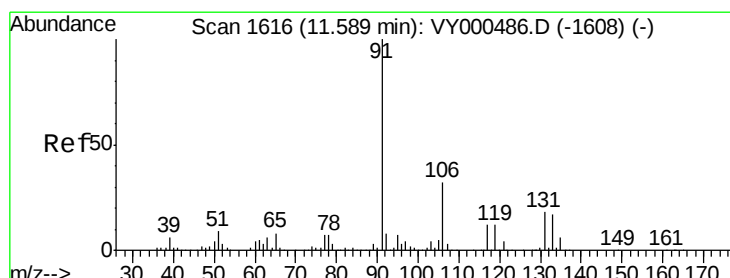
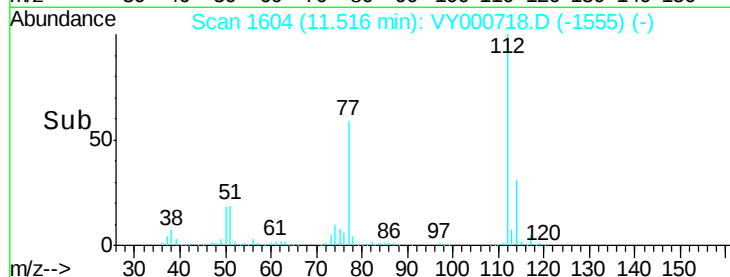
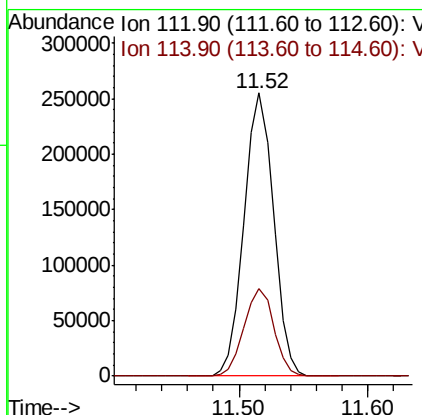
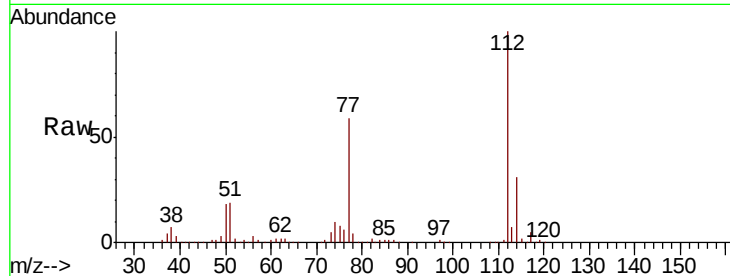
#65
Chlorobenzene
Concen: 53.381 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.3	37.9

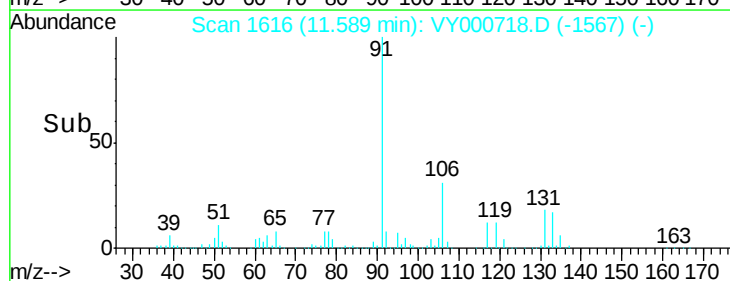
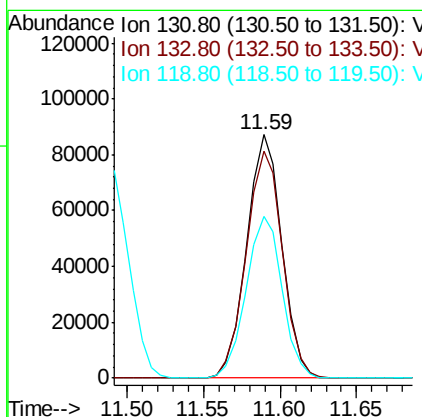
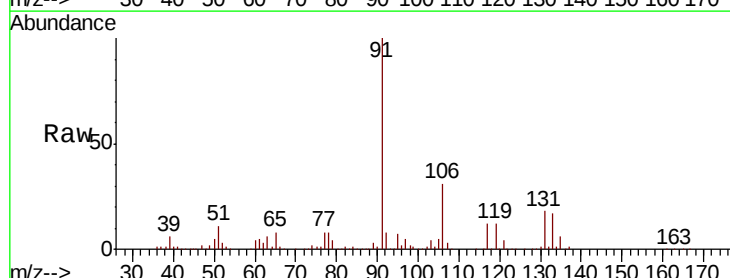
Manual Integrations
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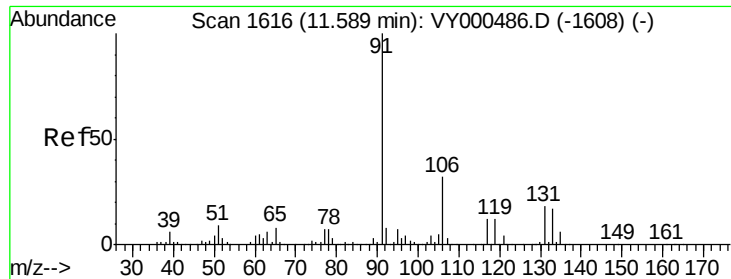
MMDADODA
11/19/2019 12:21:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.947 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.9	143.8
119	68.1	33.1	99.3





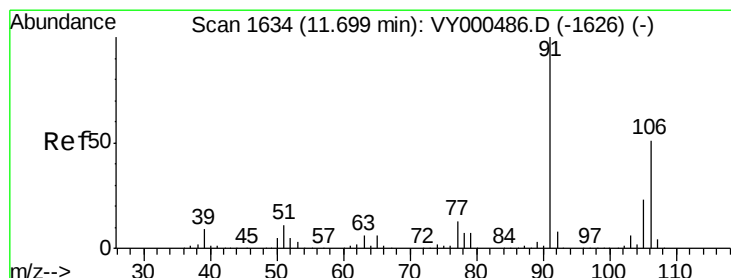
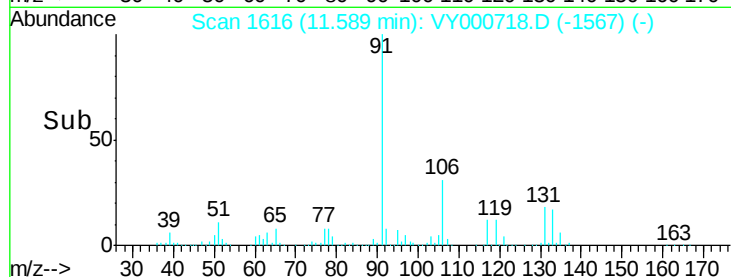
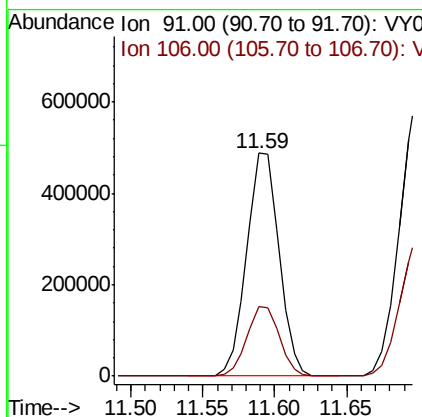
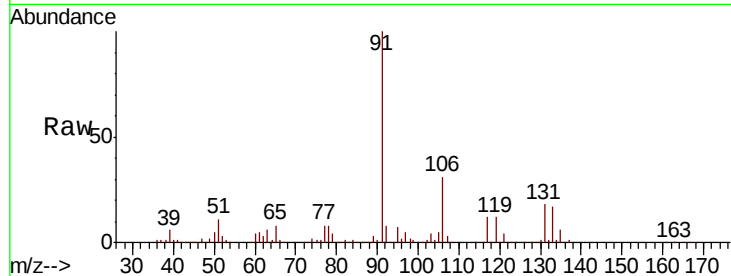
#67
Ethyl Benzene
Concen: 54.457 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 759479
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0

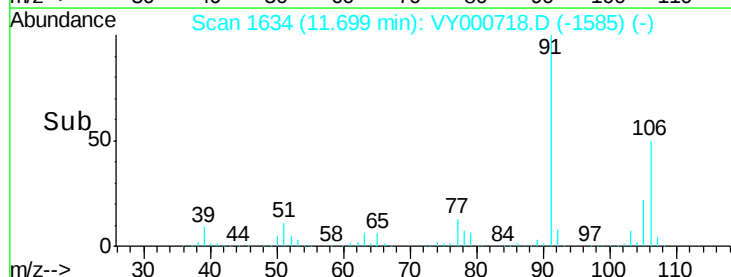
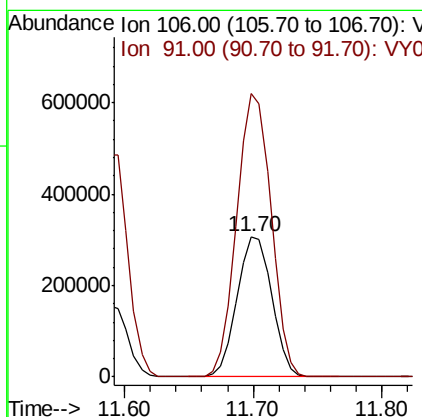
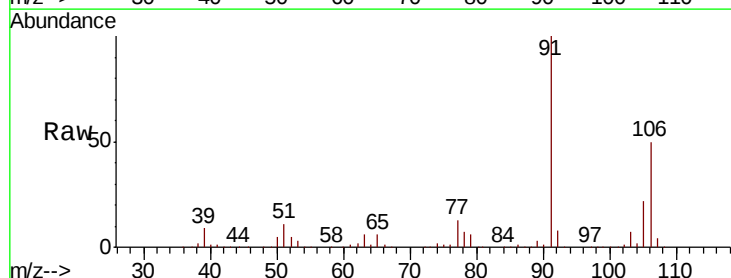
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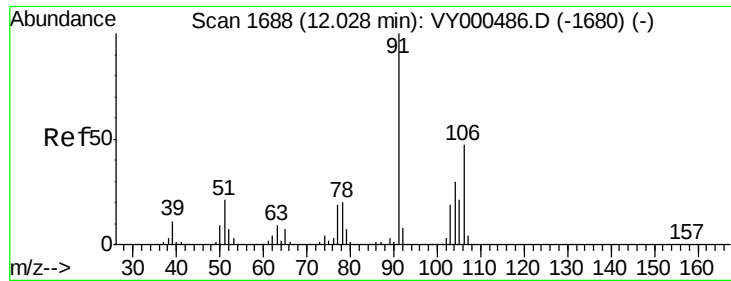
MMDADODA
11/19/2019 12:21:40 PM



#68
m/p-Xylenes
Concen: 106.423 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion: 106 Resp: 574450
Ion Ratio Lower Upper
106 100
91 199.9 155.9 233.9





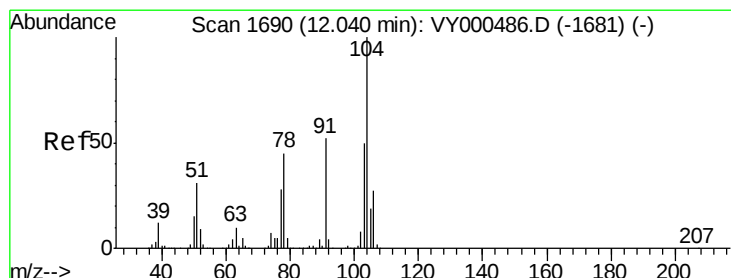
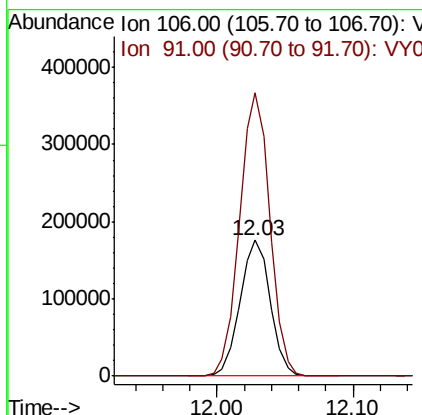
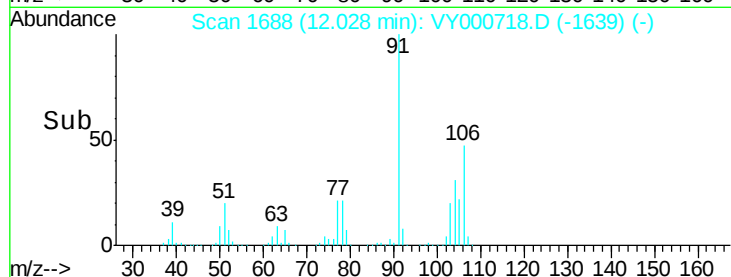
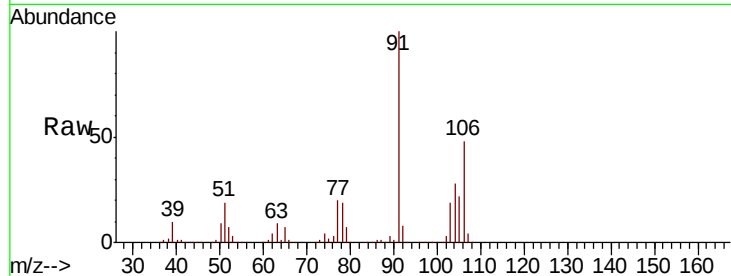
#69
o-Xylene
Concen: 53.763 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 272742
Ion Ratio Lower Upper
106 100
91 208.6 106.5 319.6

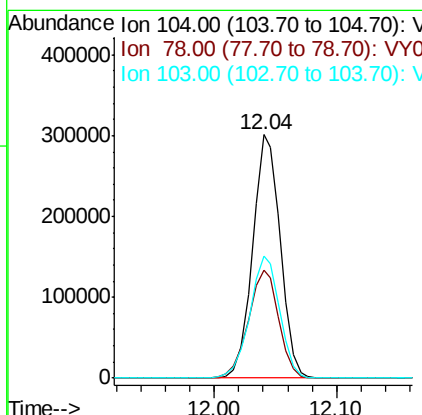
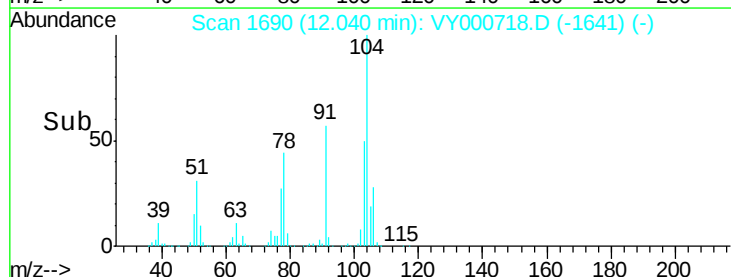
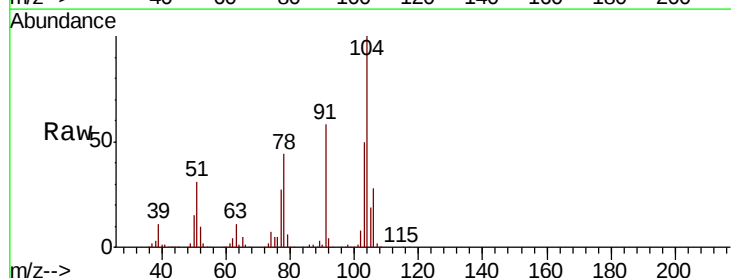
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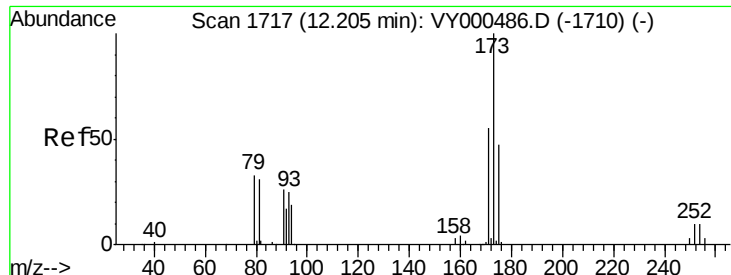
MMDADODA
11/19/2019 12:21:40 PM



#70
Styrene
Concen: 54.485 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion:104 Resp: 473303
Ion Ratio Lower Upper
104 100
78 48.5 39.0 58.4
103 54.3 42.5 63.7





#71

Bromoform

Concen: 54.724 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82720

Ion Ratio Lower Upper

173 100

175 46.9 24.4 73.2

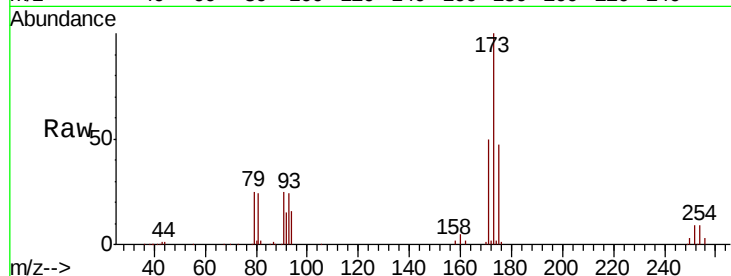
254 0.0 0.1 0.1#

Manual Integrations

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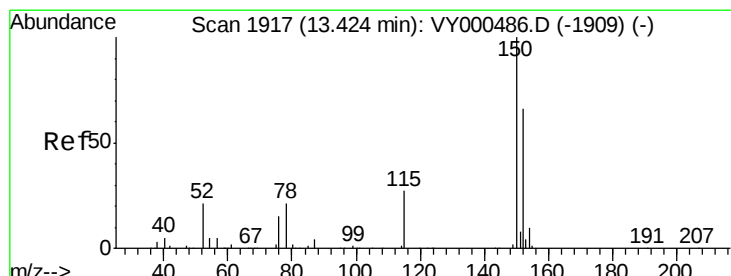
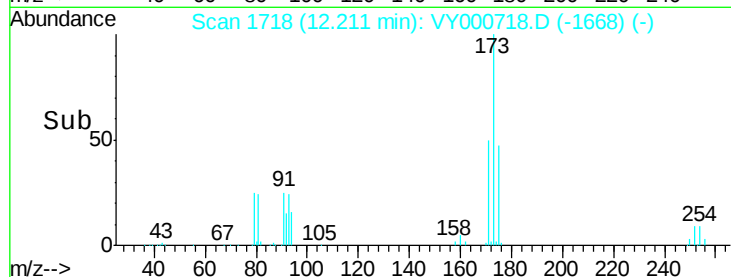
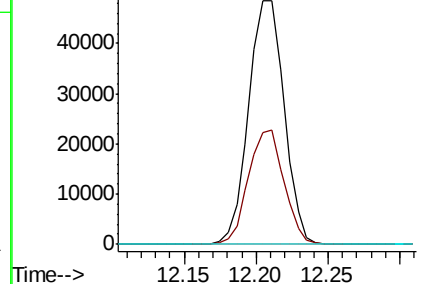
11/19/2019 12:21:40 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

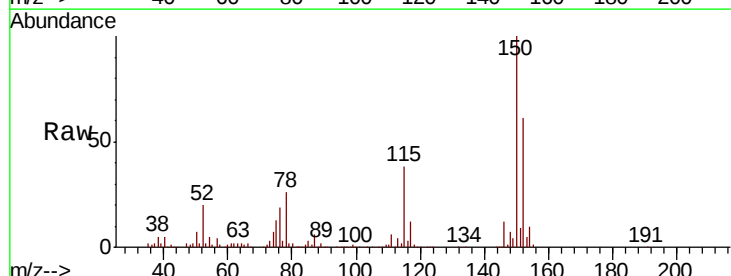
Tgt Ion:152 Resp: 183929

Ion Ratio Lower Upper

152 100

115 58.7 29.1 87.4

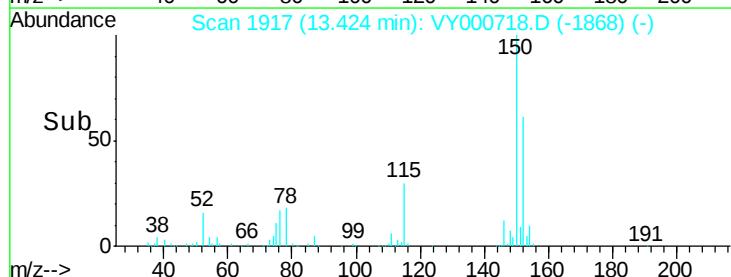
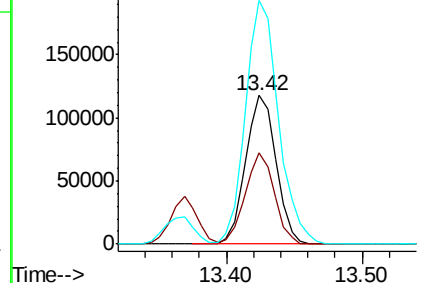
150 177.6 0.0 348.8

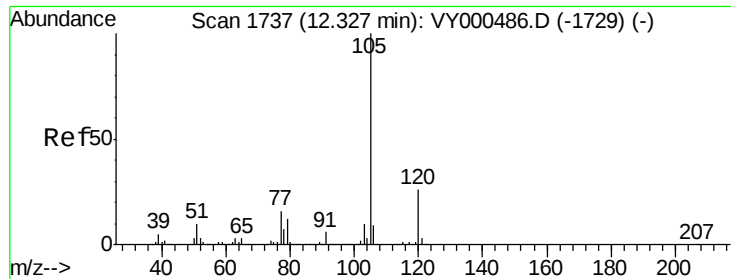


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





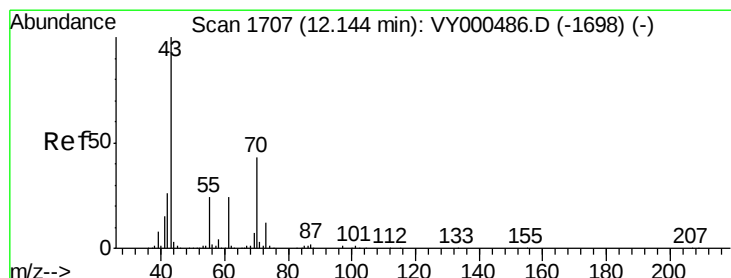
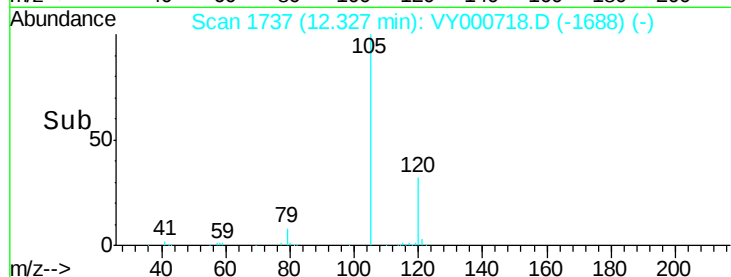
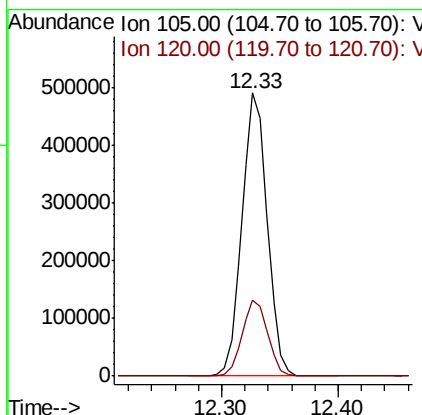
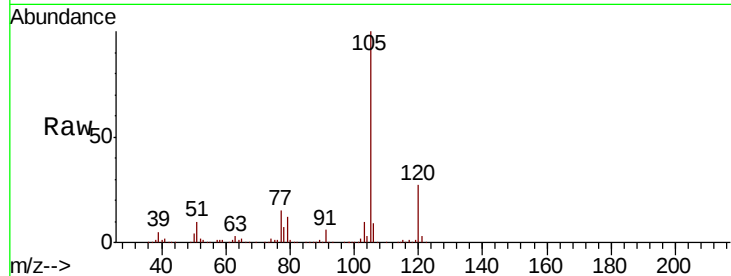
#73
Isopropylbenzene
Concen: 54.715 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4

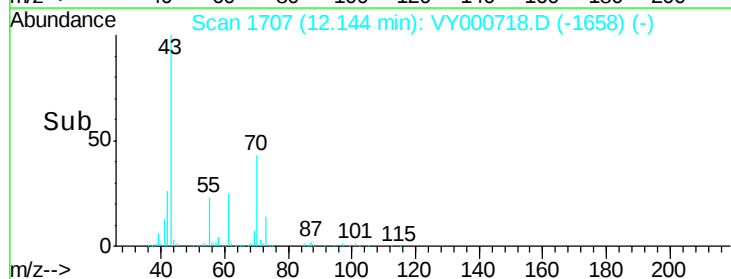
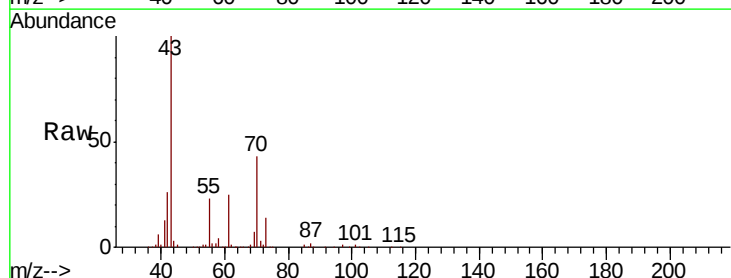
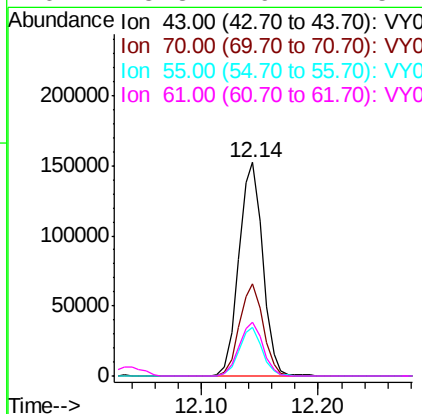
Manual Integrations
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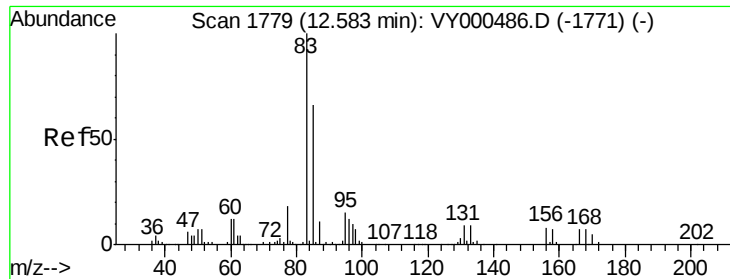
MMDADODA
11/19/2019 12:21:40 PM



#74
N-ethyl acetate
Concen: 56.068 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.9	33.1	49.7
55	21.9	18.0	27.0
61	25.3	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 55.660 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

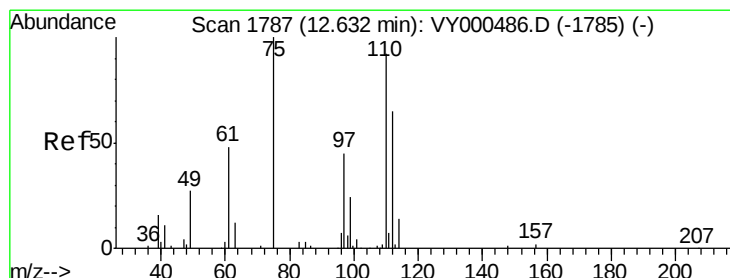
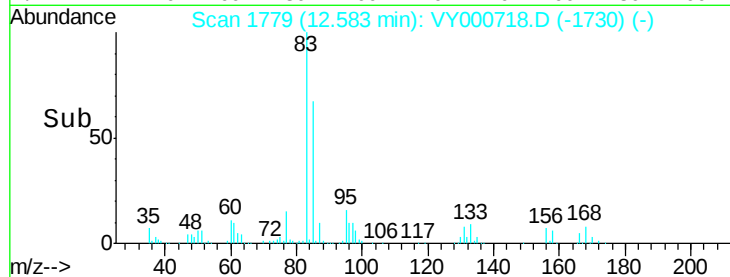
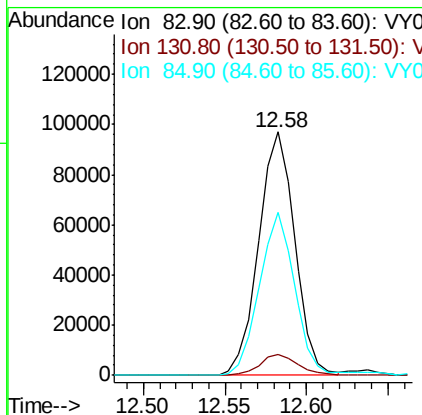
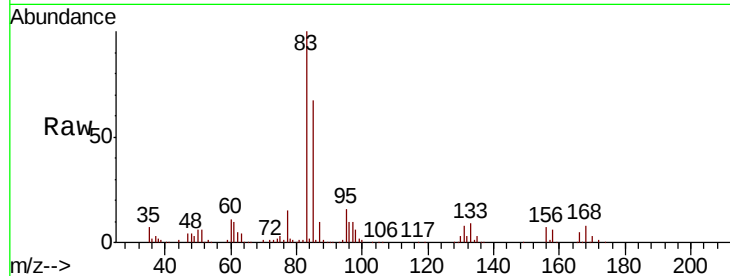
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	149813
Ion Ratio	Lower	Upper	
83	100		
131	9.1	5.0	14.9
85	65.2	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 53.090 ug/l m

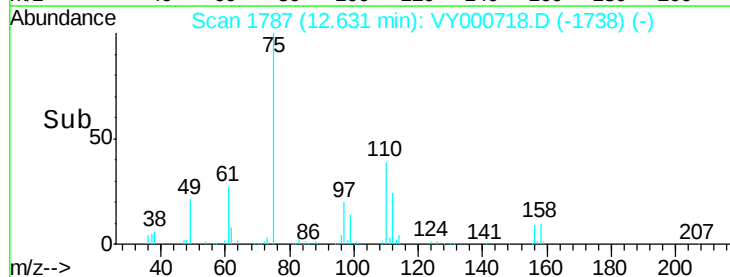
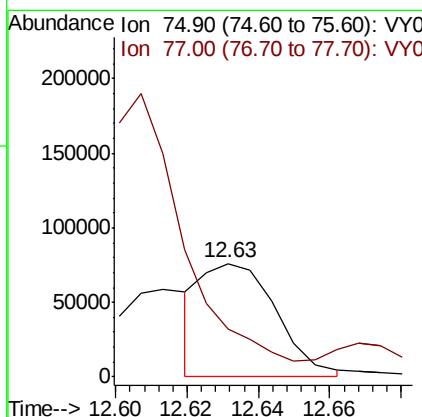
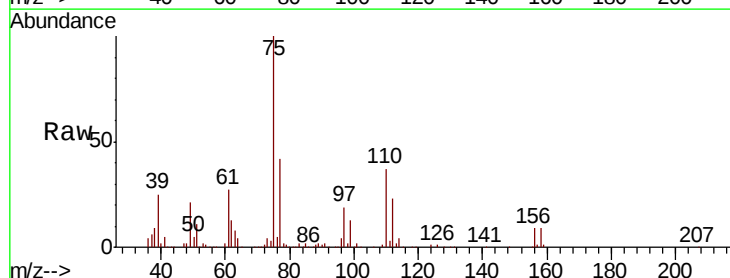
RT: 12.63 min Scan# 1787

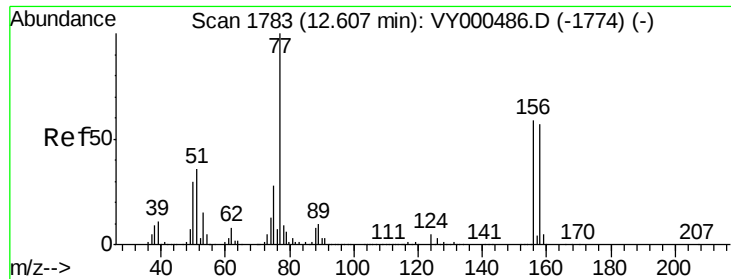
Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Tgt Ion:	75	Resp:	111186
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.099 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

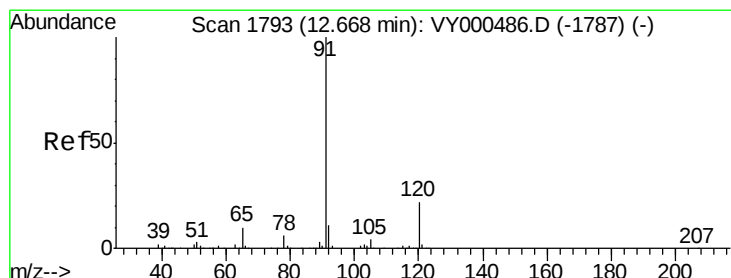
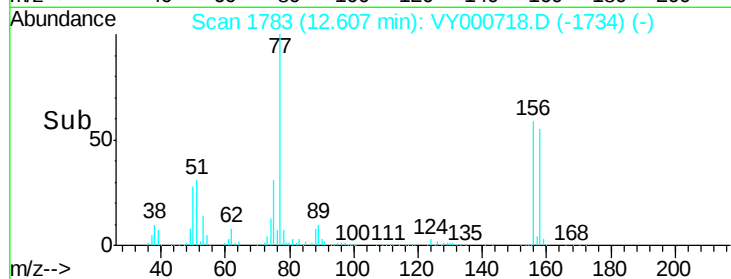
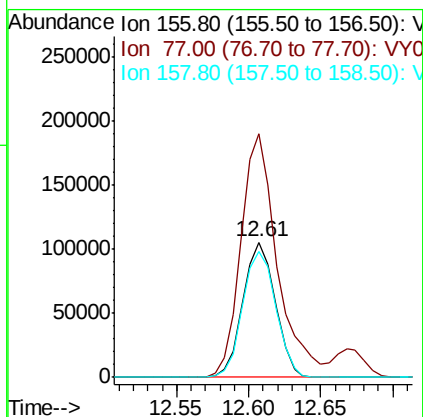
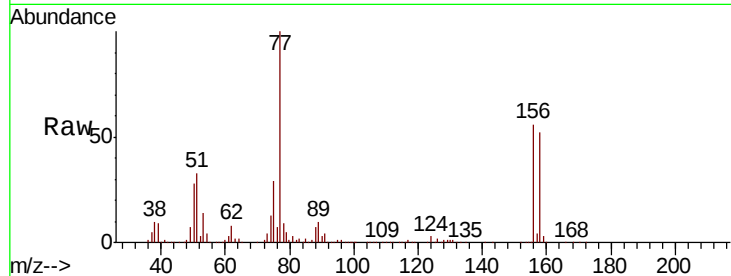
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	163687
Ion Ratio	Lower	Upper	
156	100		
77	202.2	98.2	294.4
158	96.0	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 55.663 ug/l

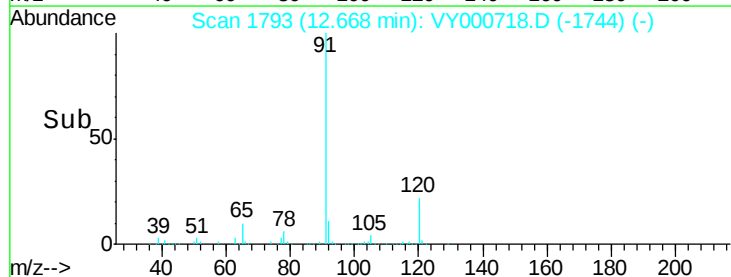
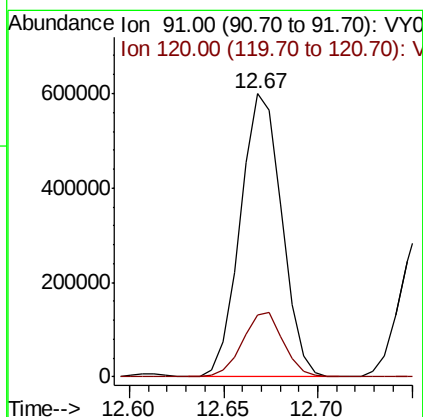
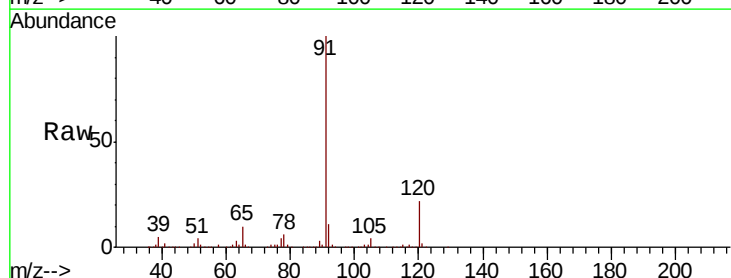
RT: 12.67 min Scan# 1793

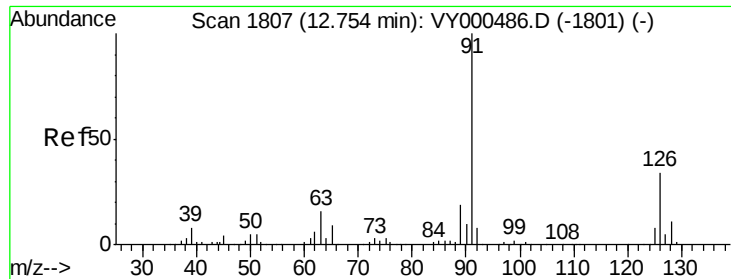
Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Tgt Ion:	91	Resp:	912986
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.4	34.1





#79

2-Chlorotoluene

Concen: 54.791 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 498908

Ion Ratio Lower Upper

91 100

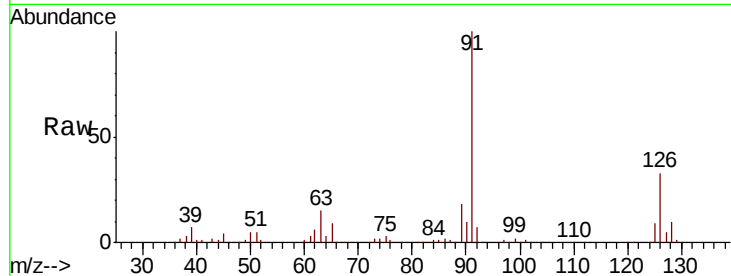
126 34.0 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VY000718.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY000718.D (-1758) (-)

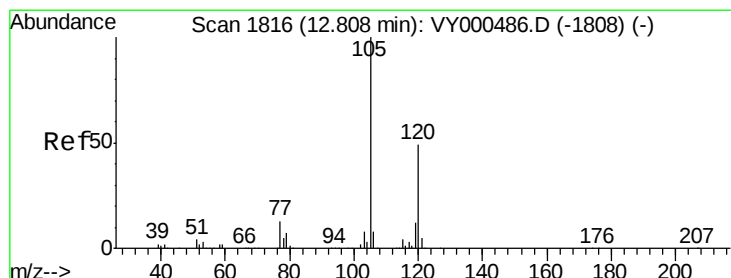
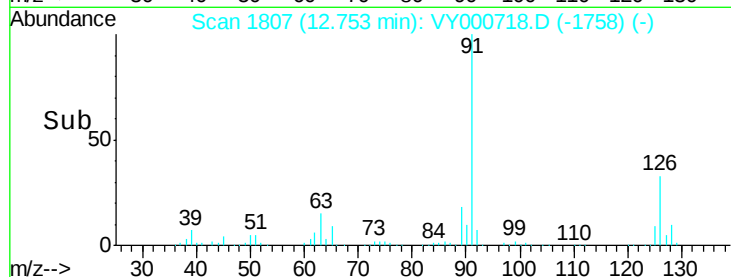
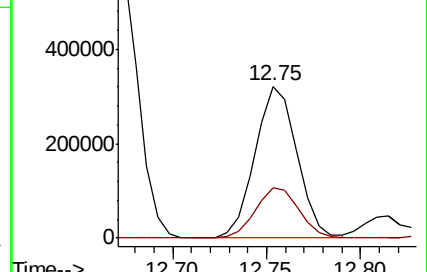
600000

400000

200000

0

12.70 12.75 12.80



#80

1,3,5-Trimethylbenzene

Concen: 54.484 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000718.D

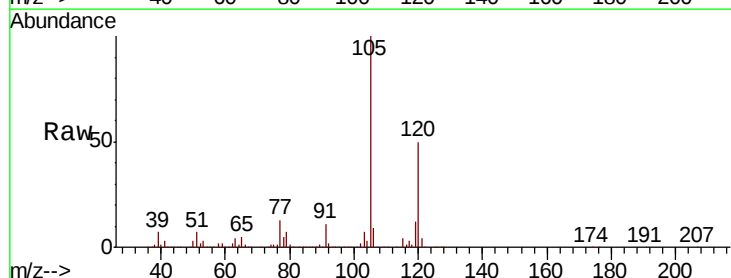
Acq: 18 Nov 2019 11:01

Tgt Ion: 105 Resp: 616842

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000718.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY000718.D (-1767) (-)

400000

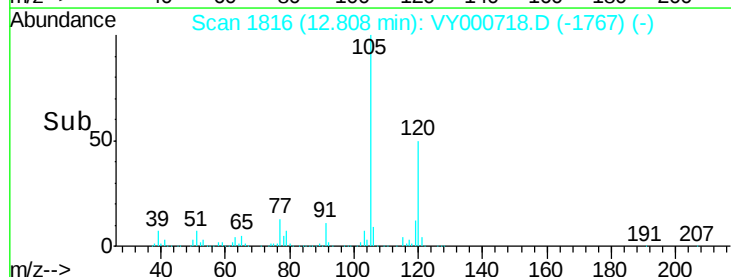
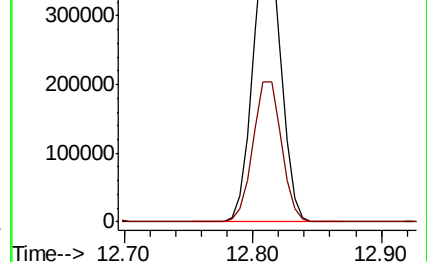
300000

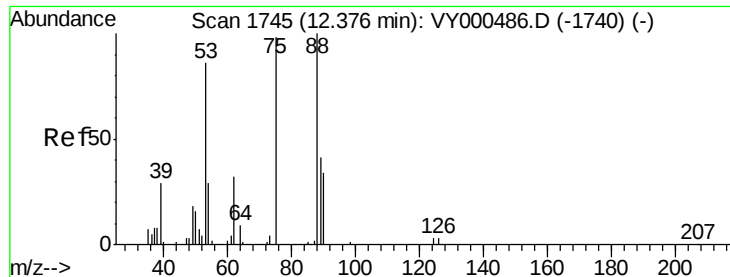
200000

100000

0

12.70 12.80 12.90





#81

trans-1,4-Dichloro-2-butene

Concen: 59.301 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

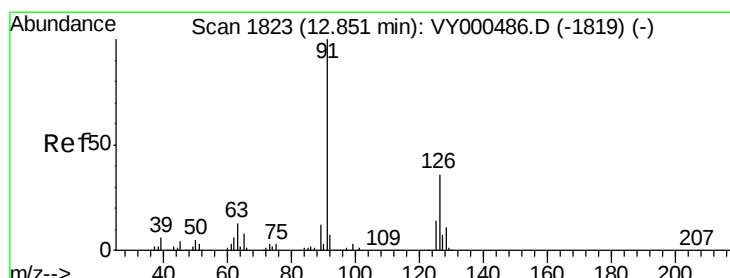
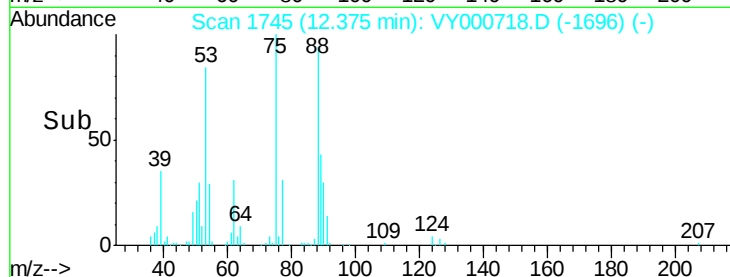
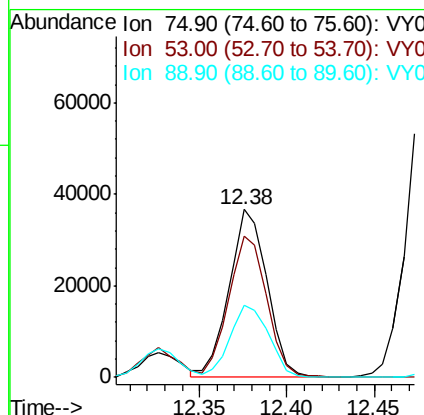
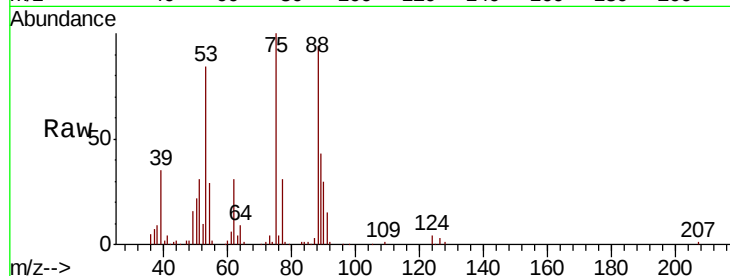
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	55391
Ion Ratio	Lower	Upper	
75	100		
53	84.3	73.2	109.8
89	44.2	35.9	53.9

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#82

4-Chlorotoluene

Concen: 55.886 ug/l

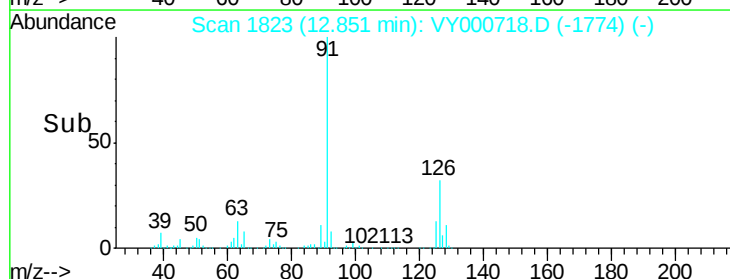
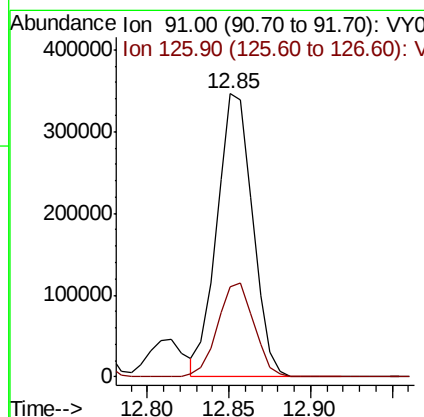
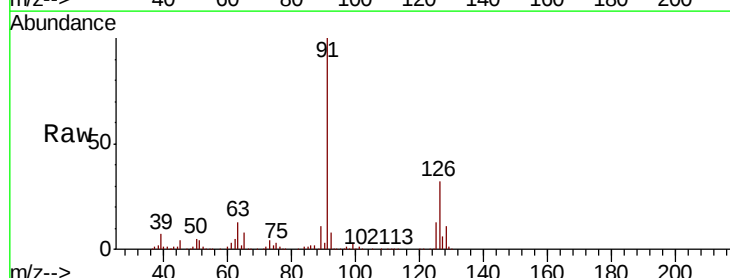
RT: 12.85 min Scan# 1823

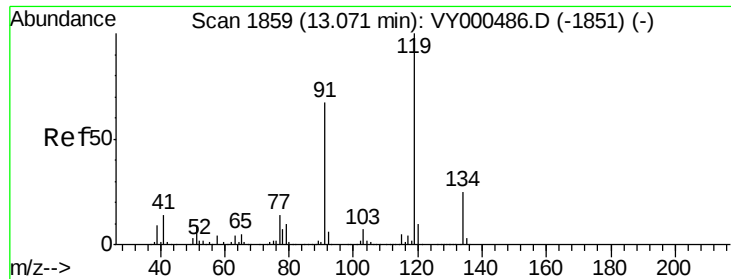
Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Tgt Ion:	91	Resp:	527492
Ion Ratio	Lower	Upper	
91	100		
126	34.0	17.6	52.9





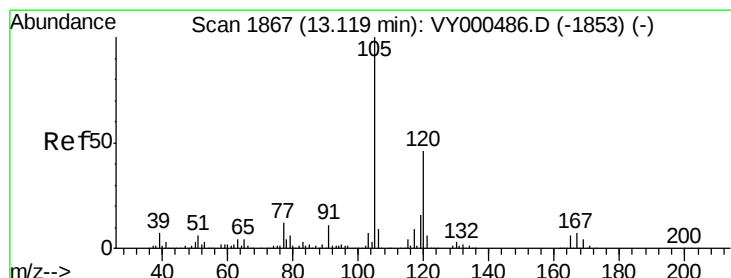
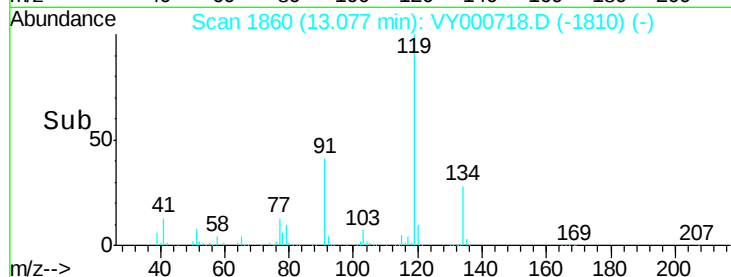
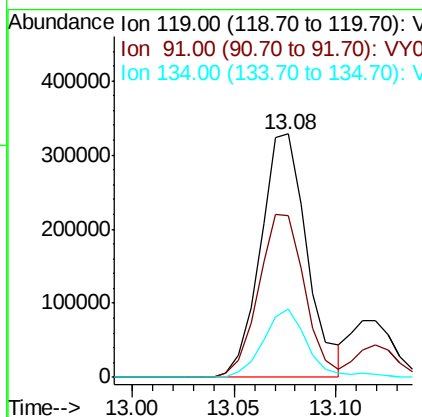
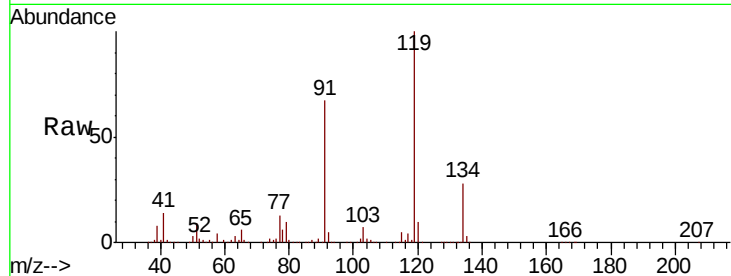
#83
 tert-Butylbenzene
 Concen: 54.114 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	523105		
91	66.1		32.1	96.3
134	26.7		13.2	39.5

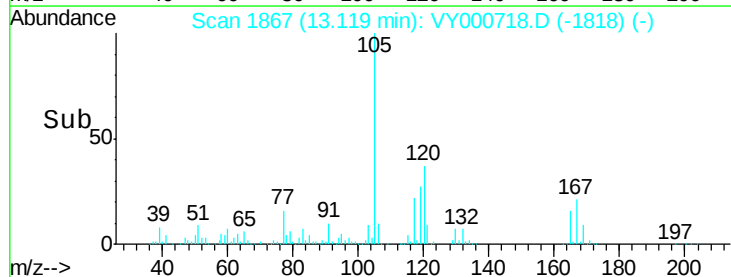
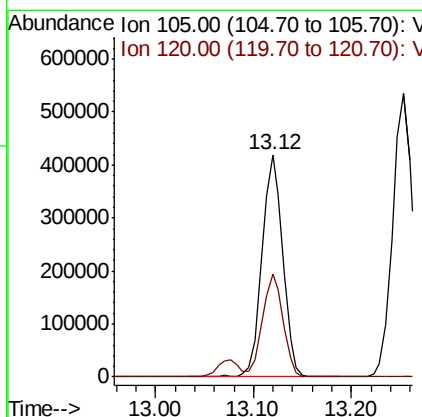
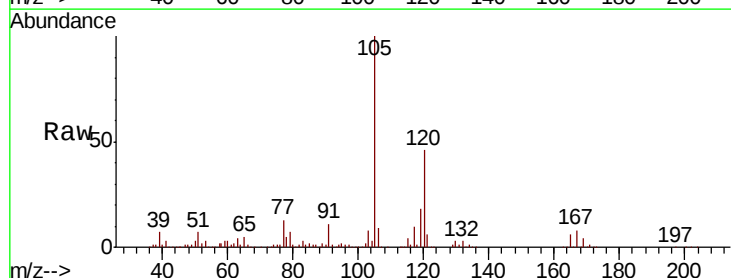
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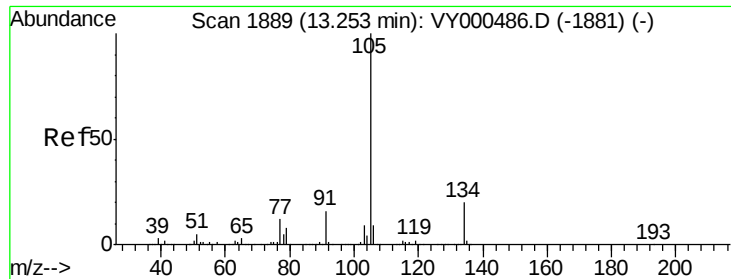
MMDADODA
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.612 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	615614		
120	46.3		23.3	69.9





#85

sec-Butylbenzene

Concen: 55.919 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 770144

Ion Ratio Lower Upper

105 100

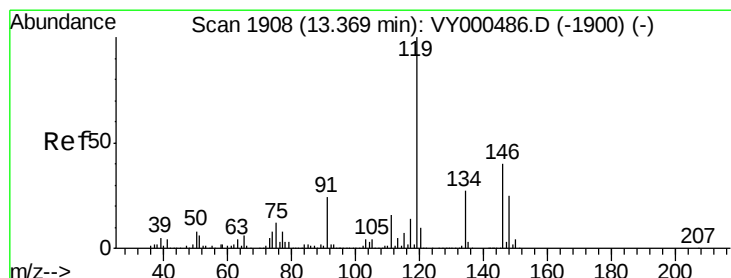
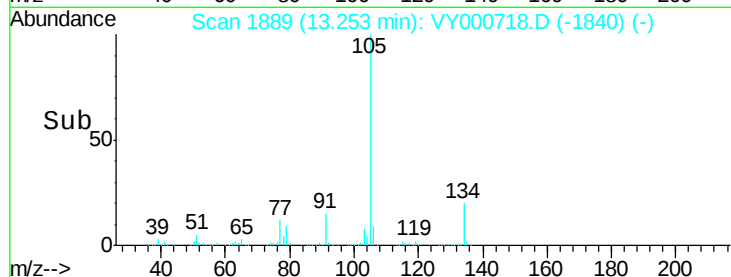
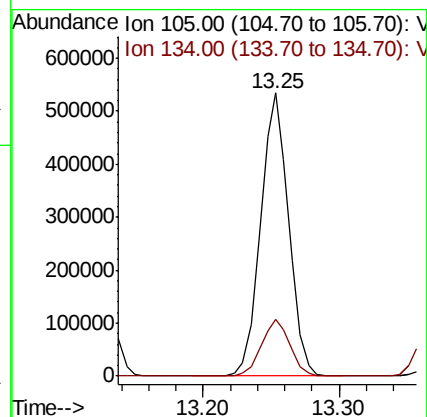
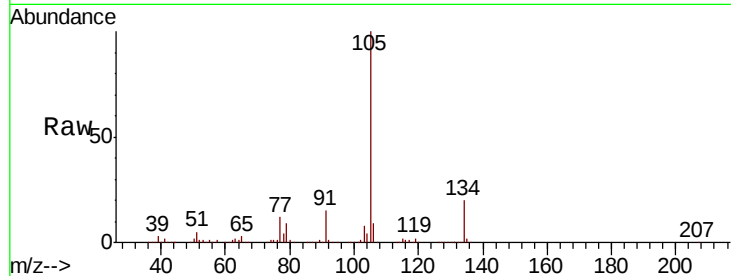
134 20.2 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 54.983 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000718.D

Acq: 18 Nov 2019 11:01

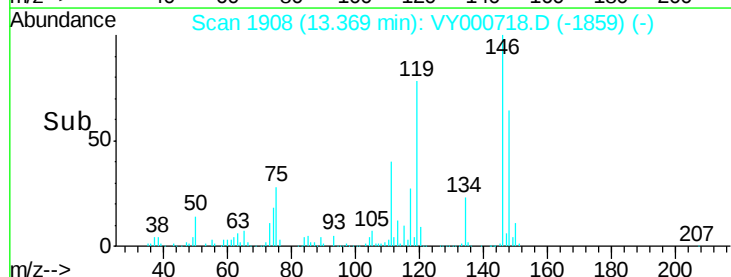
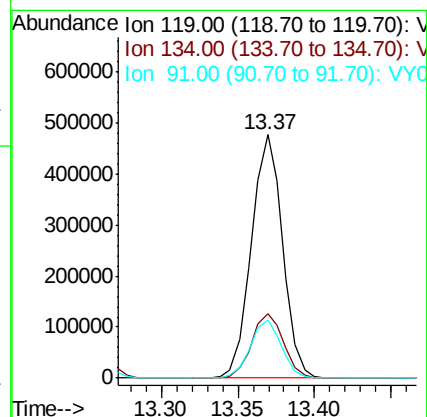
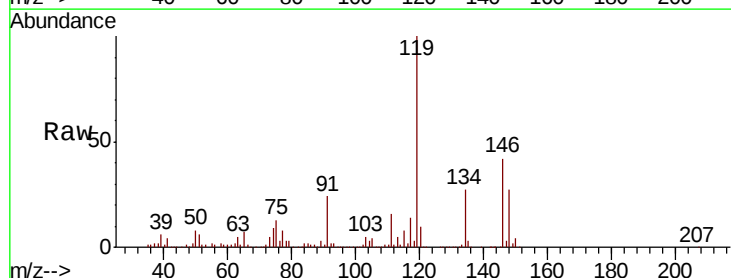
Tgt Ion:119 Resp: 674898

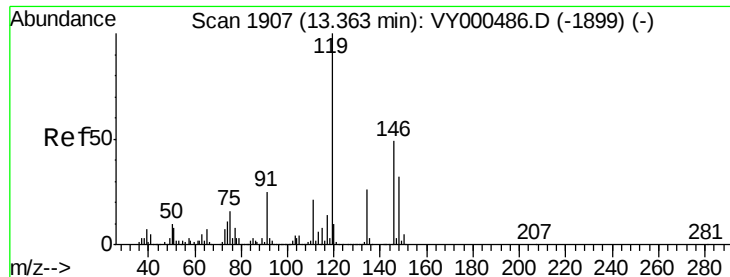
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 23.6 12.0 36.1





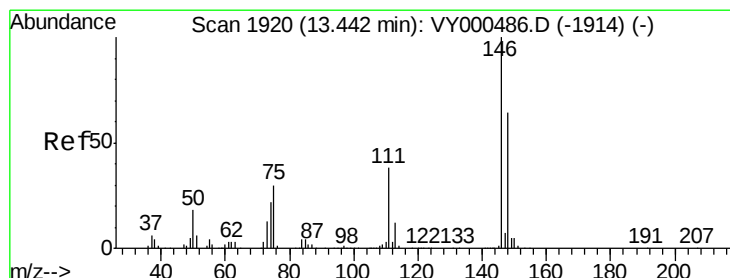
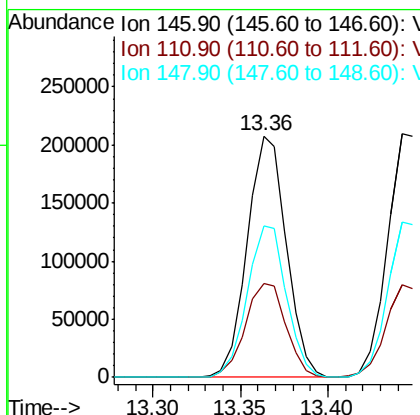
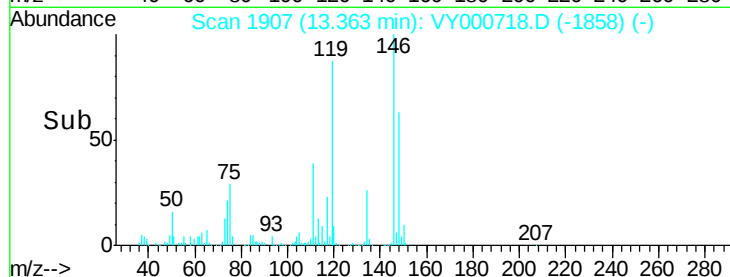
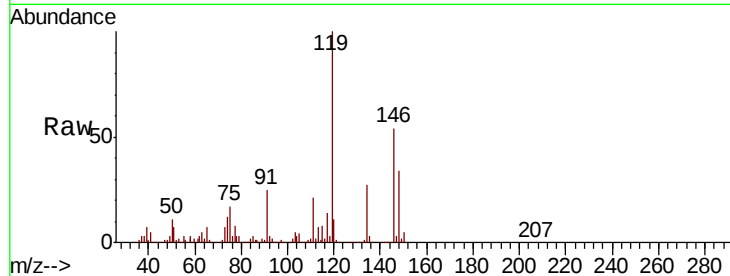
#87
 1,3-Dichlorobenzene
 Concen: 53.436 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	62.9	31.5	94.5

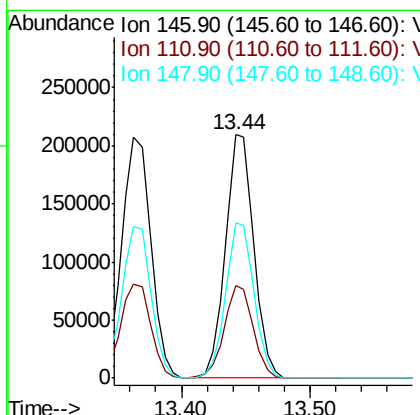
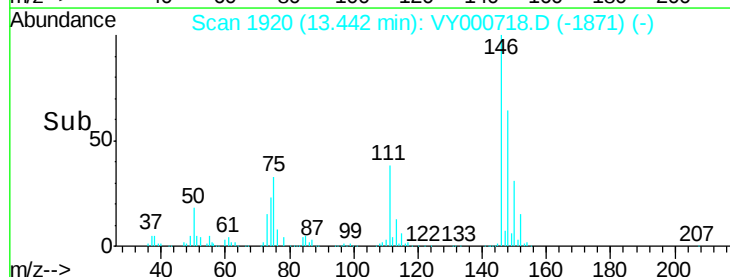
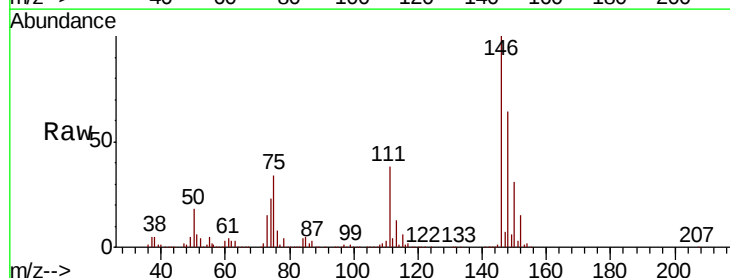
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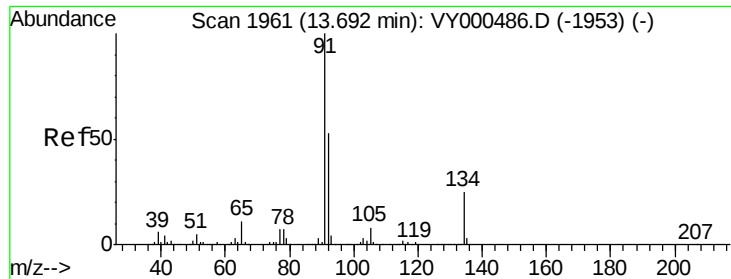
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#88
 1,4-Dichlorobenzene
 Concen: 53.660 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.9	31.9	95.7





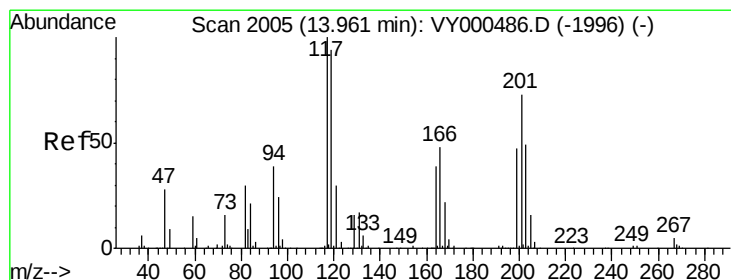
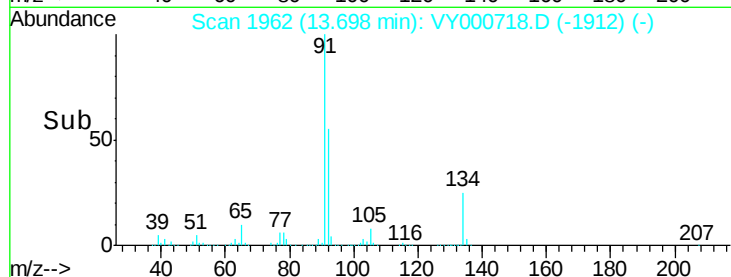
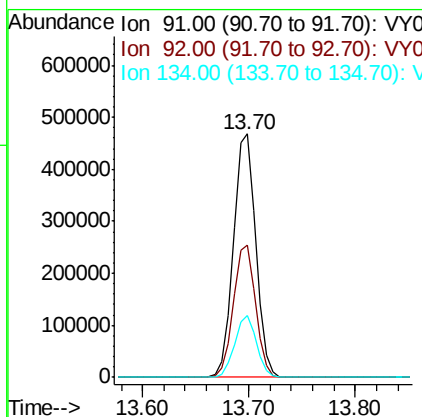
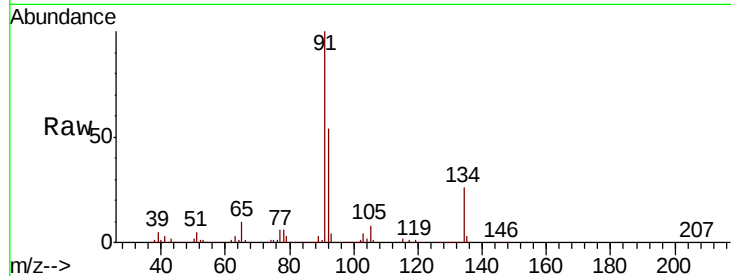
#89
n-Butylbenzene
Concen: 56.794 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.3
134	24.9	12.9	38.7

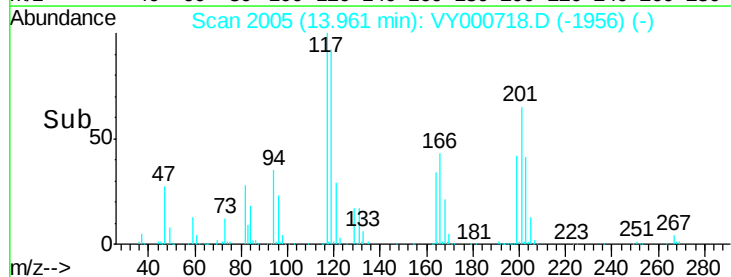
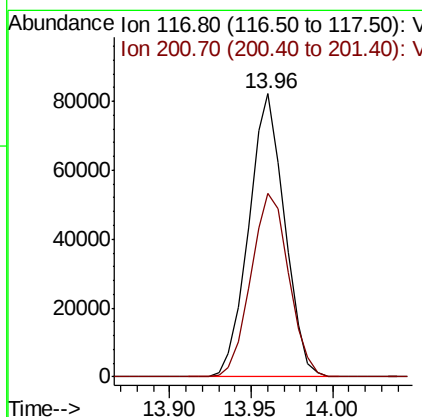
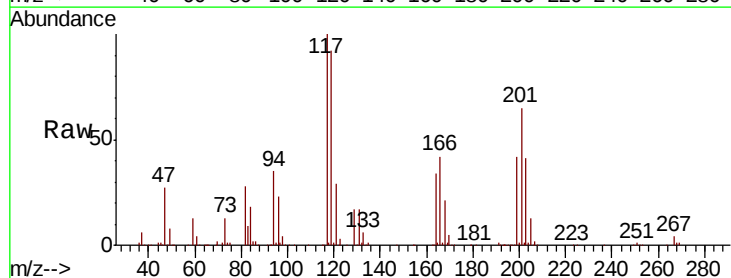
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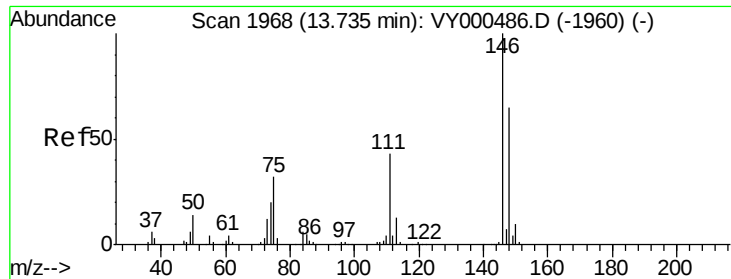
MMDADODA
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#90
Hexachloroethane
Concen: 55.445 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.8	107.3





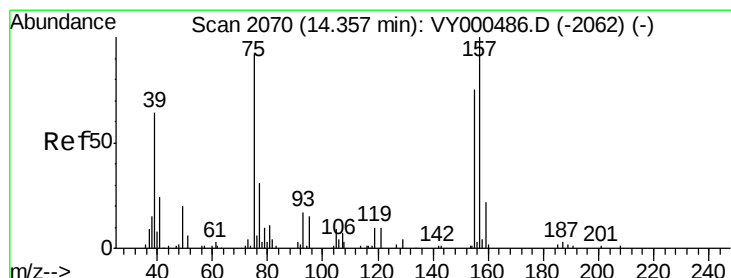
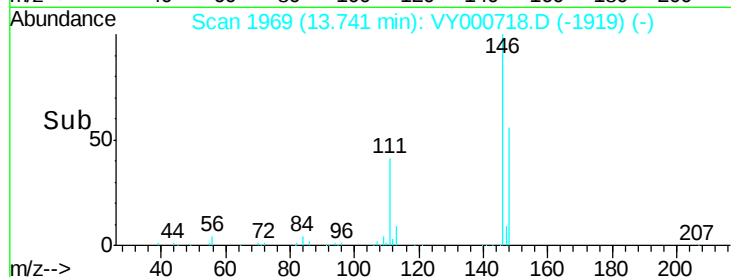
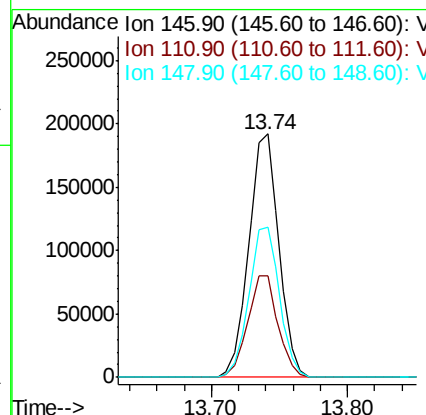
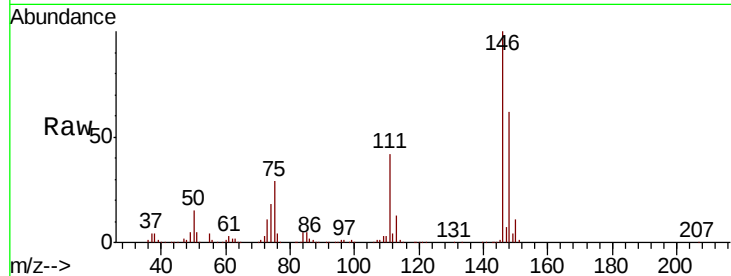
#91
 1,2-Dichlorobenzene
 Concen: 54.104 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.5
148	63.1	31.7	95.1

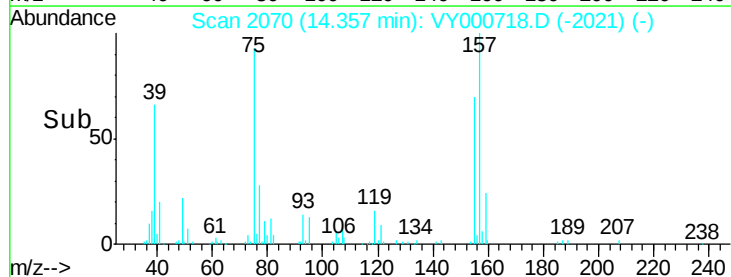
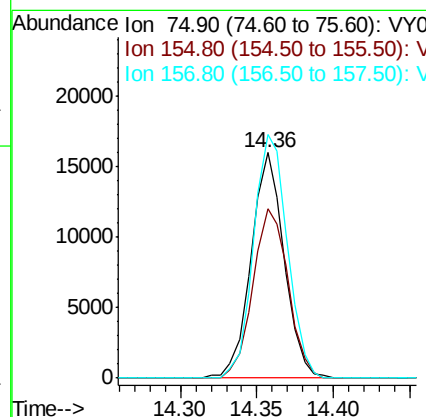
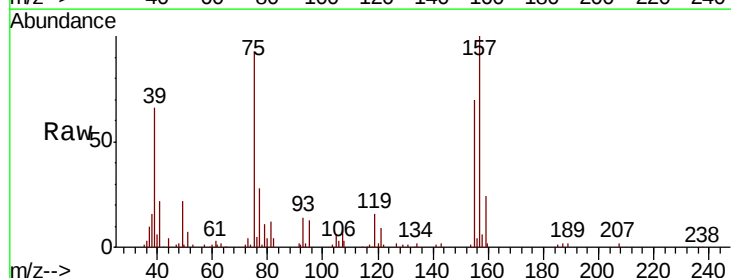
Manual Integrations
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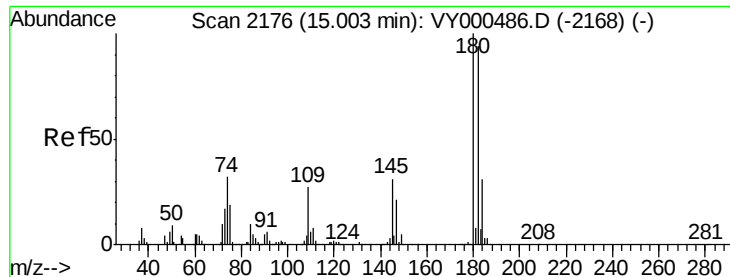
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.460 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	42.4	127.1
157	110.4	55.1	165.3





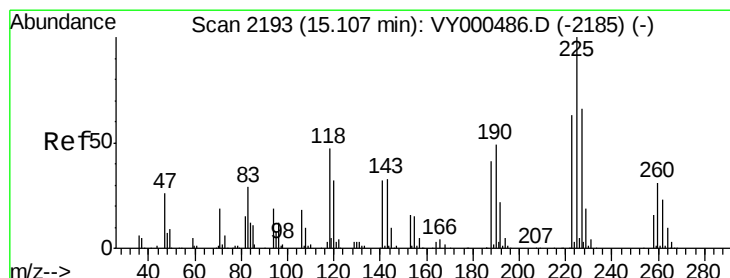
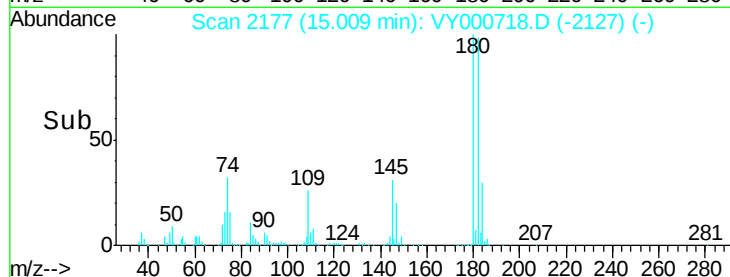
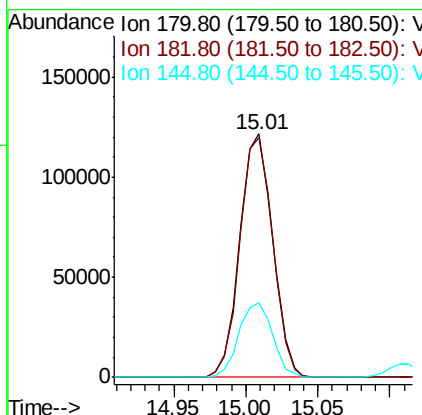
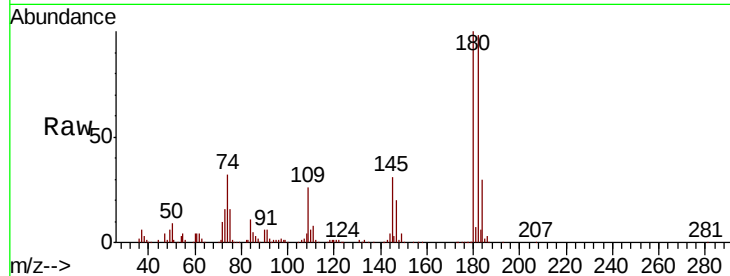
#93
 1,2,4-Trichlorobenzene
 Concen: 51.686 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	192796		
182	98.7	47.8	143.4	
145	31.4	16.0	47.9	

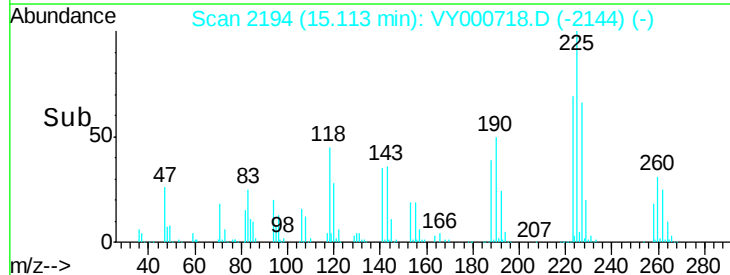
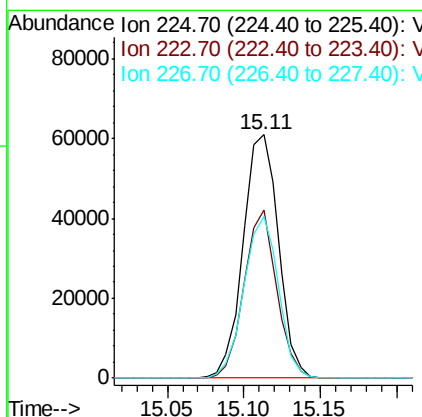
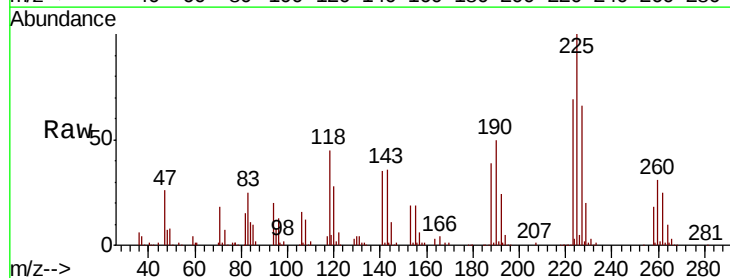
Manual Integrations
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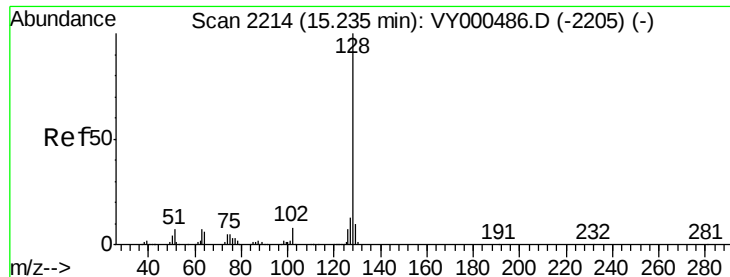
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#94
 Hexachlorobutadiene
 Concen: 50.934 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000718.D
 Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97938		
223	63.4	31.3	93.8	
227	65.1	32.4	97.0	





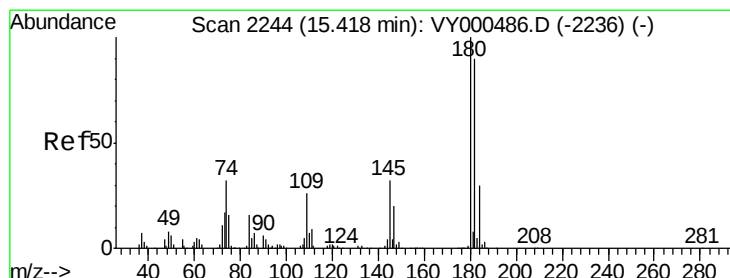
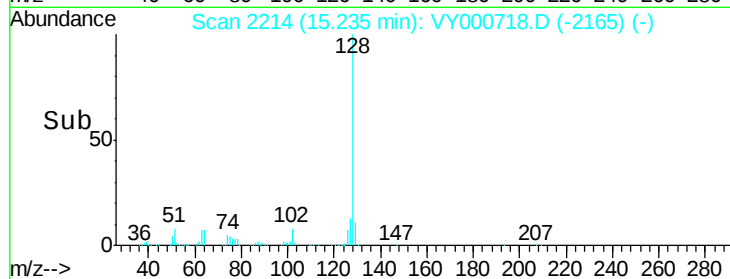
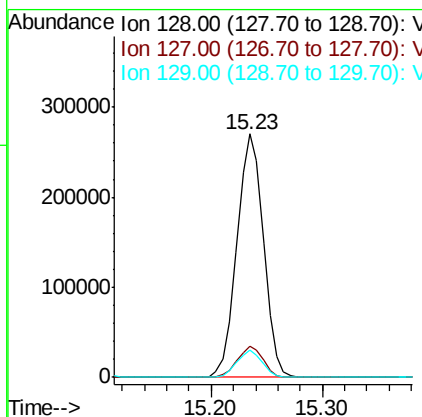
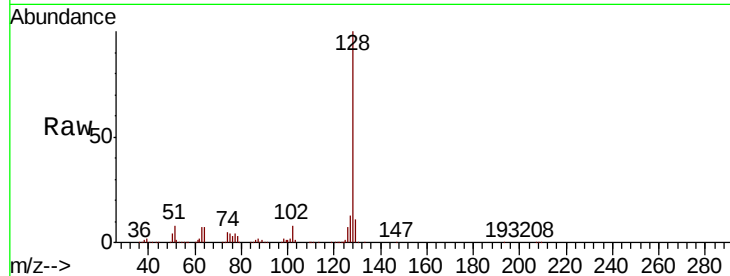
#95
Naphthalene
Concen: 53.595 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	443806		
127	12.4		9.8	14.6
129	10.8		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.149 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000718.D
Acq: 18 Nov 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	174520		
182	96.3		47.4	142.3
145	33.0		15.7	47.0

