

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\
 Data File : VY001424.D
 Acq On : 30 Jan 2020 12:33
 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
 1/31/2020 4:26:16 PM

Quant Time: Jan 30 12:56:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	193052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	342489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	141942	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	107422	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	7.75	113	101895	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.20	98	412404	52.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	12.50	95	155231	49.91	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.93	85	67891	44.594	ug/l	99
3) Chloromethane	2.13	50	100727	43.776	ug/l	99
4) Vinyl Chloride	2.27	62	107777	44.922	ug/l	96
5) Bromomethane	2.68	94	69990	43.315	ug/l	98
6) Chloroethane	2.82	64	69011	45.015	ug/l	95
7) Trichlorofluoromethane	3.16	101	145598	47.431	ug/l	98
8) Diethyl Ether	3.57	74	56441	43.555	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.94	101	94274	48.224	ug/l	99
10) Methyl Iodide	4.13	142	116794	45.298	ug/l	99
11) Tert butyl alcohol	5.02	59	50180	184.963	ug/l	100
12) 1,1-Dichloroethene	3.91	96	94595	46.150	ug/l	91
13) Acrolein	3.77	56	43194	278.710	ug/l	98
14) Allyl chloride	4.53	41	167619	45.856	ug/l	99
15) Acrylonitrile	5.22	53	149776	225.799	ug/l	100
16) Acetone	3.99	43	159504	289.432	ug/l	96
17) Carbon Disulfide	4.24	76	275074	42.671	ug/l	99
18) Methyl Acetate	4.53	43	75857	42.821	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	269589	44.920	ug/l	98
20) Methylene Chloride	4.77	84	112647	42.816	ug/l	97
21) trans-1,2-Dichloroethene	5.27	96	106600	44.772	ug/l	97
22) Diisopropyl ether	6.16	45	355789	45.837	ug/l	97
23) Vinyl Acetate	6.11	43	1153497	228.908	ug/l	99
24) 1,1-Dichloroethane	6.07	63	190844	46.646	ug/l	97
25) 2-Butanone	7.03	43	220449	241.104	ug/l	98
26) 2,2-Dichloropropane	7.03	77	168300	46.181	ug/l	100
27) cis-1,2-Dichloroethene	7.03	96	121417	45.630	ug/l	98
28) Bromochloromethane	7.38	49	97270	57.650	ug/l	97
29) Tetrahydrofuran	7.39	42	133120	223.787	ug/l	99
30) Chloroform	7.55	83	183306	45.710	ug/l	99
31) Cyclohexane	7.82	56	184777	45.488	ug/l	95
32) 1,1,1-Trichloroethane	7.74	97	160600	47.430	ug/l	99
36) 1,1-Dichloropropene	7.95	75	149997	46.357	ug/l	99
37) Ethyl Acetate	7.11	43	91037	46.050	ug/l	99
38) Carbon Tetrachloride	7.93	117	136804	47.441	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	198457	47.878	ug/l	99
40) Benzene	8.19	78	449582	46.340	ug/l	99
41) Methacrylonitrile	7.36	41	51060m	50.051	ug/l	
42) 1,2-Dichloroethane	8.27	62	122218	45.084	ug/l	99
43) Isopropyl Acetate	8.30	43	176679	45.962	ug/l	99
44) Trichloroethene	8.97	130	113075	45.418	ug/l	99
45) 1,2-Dichloropropane	9.24	63	114077	46.513	ug/l	97
46) Dibromomethane	9.33	93	59845	45.452	ug/l	96
47) Bromodichloromethane	9.52	83	143986	45.745	ug/l	95
48) Methyl methacrylate	9.31	41	79629	45.567	ug/l	98
49) 1,4-Dioxane	9.33	88	15601	840.221	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	453118	228.890	ug/l	99
52) Toluene	10.26	92	283517	46.100	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	160103	45.891	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	184132	45.983	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	89078	45.836	ug/l	98
56) Ethyl methacrylate	10.53	69	136193	46.367	ug/l	98
57) 1,3-Dichloropropane	10.81	76	154865	45.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	244925	240.972	ug/l	99
59) 2-Hexanone	10.85	43	339441	246.300	ug/l	100
60) Dibromochloromethane	11.00	129	99967	45.992	ug/l	100
61) 1,2-Dibromoethane	11.11	107	84271	45.869	ug/l	99
64) Tetrachloroethene	10.74	164	90864	47.783	ug/l	99
65) Chlorobenzene	11.53	112	294890	46.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	102038	47.648	ug/l	99
67) Ethyl Benzene	11.61	91	549712	47.535	ug/l	99
68) m/p-Xylenes	11.72	106	410446	95.029	ug/l	100
69) o-Xylene	12.05	106	196841	47.374	ug/l	100
70) Styrene	12.06	104	346733	47.562	ug/l	99
71) Bromoform	12.22	173	59650	46.662	ug/l #	100
73) Isopropylbenzene	12.34	105	535421	47.804	ug/l	99
74) N-amyl acetate	12.16	43	170443	46.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	114497	47.733	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	72965m	42.659	ug/l	
77) Bromobenzene	12.63	156	113356	45.694	ug/l	98
78) n-propylbenzene	12.69	91	656882	48.725	ug/l	100
79) 2-Chlorotoluene	12.77	91	363454	47.192	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	440506	47.117	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	44182	48.883	ug/l	94
82) 4-Chlorotoluene	12.87	91	389353	47.328	ug/l	100
83) tert-Butylbenzene	13.09	119	374724	47.549	ug/l	98
84) 1,2,4-Trimethylbenzene	13.14	105	440336	46.912	ug/l	99
85) sec-Butylbenzene	13.27	105	549299	49.059	ug/l	100
86) p-Isopropyltoluene	13.38	119	478514	48.496	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	224377	46.963	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	222115	45.787	ug/l	99
89) n-Butylbenzene	13.71	91	485864	48.927	ug/l	99
90) Hexachloroethane	13.97	117	90499	48.387	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	201936	45.830	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	18460	44.598	ug/l	98

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QLast Update : Thu Jan 23 01:21:47 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	135355	45.770	ug/l	97
94) Hexachlorobutadiene	15.12	225	66831	46.412	ug/l	99
95) Naphthalene	15.25	128	312721	46.246	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	115692	44.597	ug/l	98

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

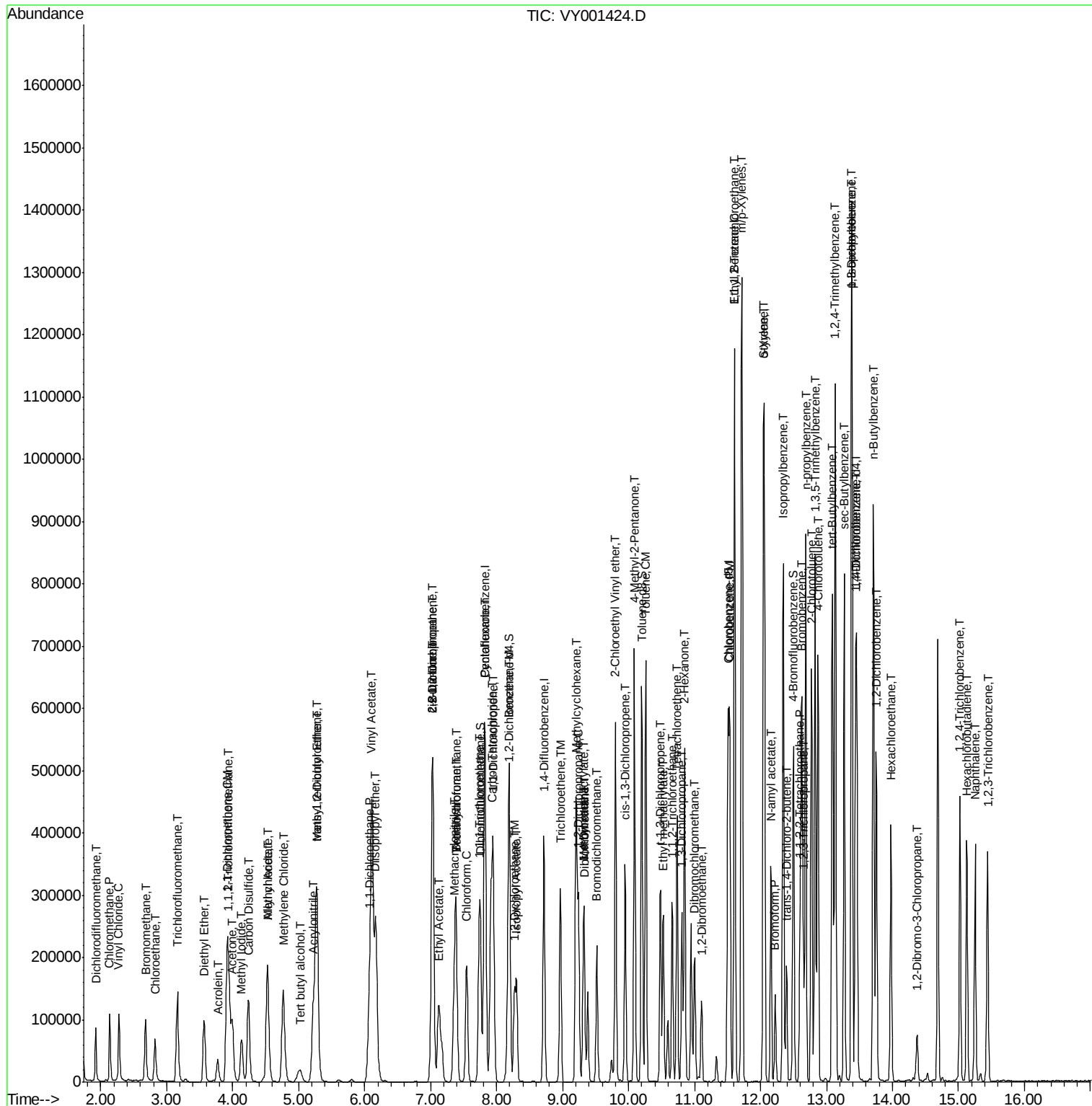
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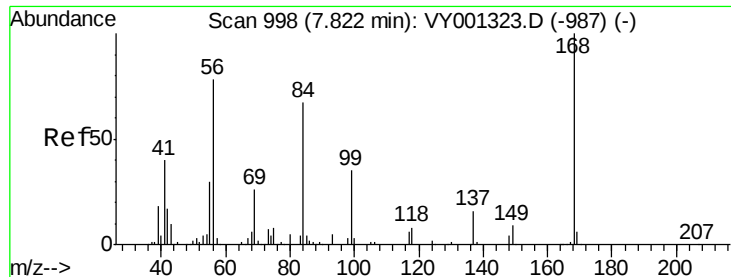
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 193052

Ion Ratio Lower Upper

168 100

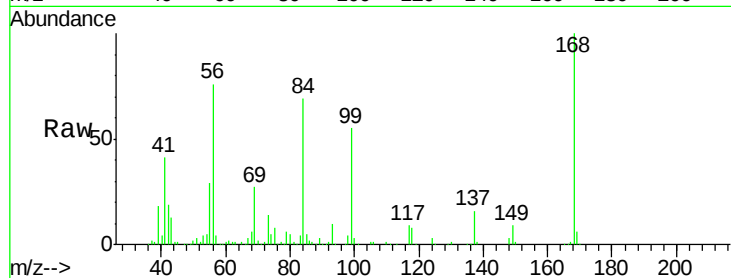
99 54.7 44.3 66.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.83

80000

60000

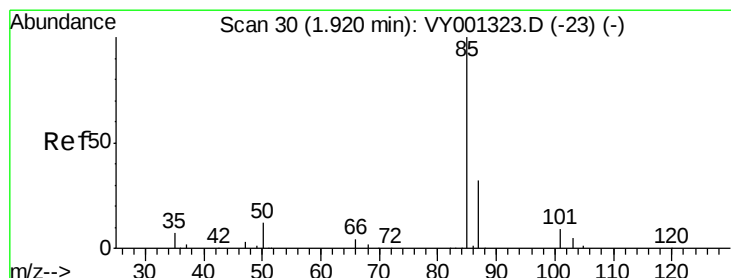
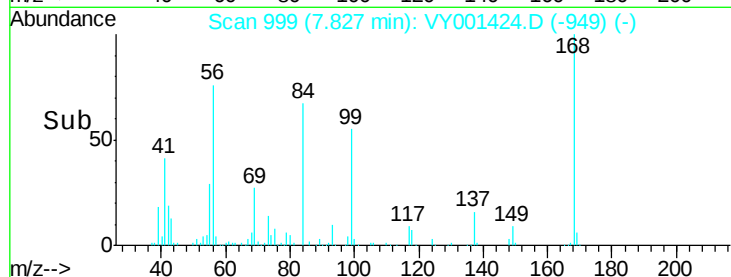
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.594 ug/l

RT: 1.93 min Scan# 31

Delta R.T. 0.01 min

Lab File: VY001424.D

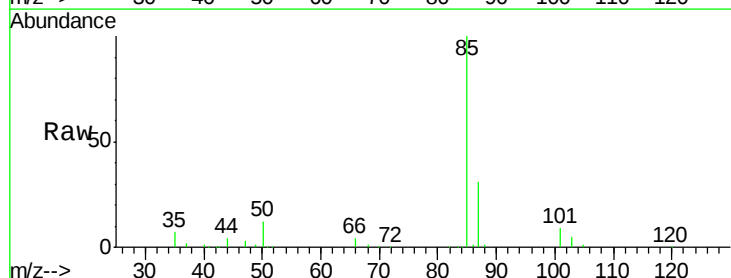
Acq: 30 Jan 2020 12:33

Tgt Ion: 85 Resp: 67891

Ion Ratio Lower Upper

85 100

87 31.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY001323.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001323.D (-23) (-)

1.93

50000

40000

30000

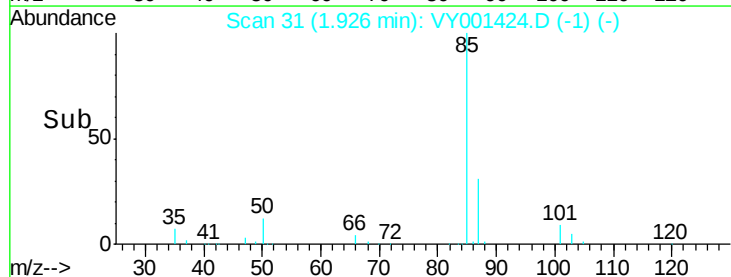
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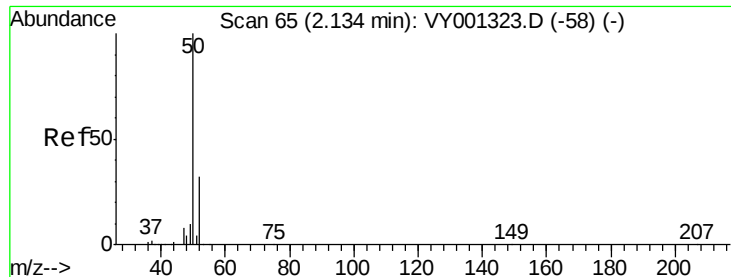
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 43.776 ug/l

RT: 2.13 min Scan# 65

Delta R.T. -0.00 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 100727

Ion Ratio Lower Upper

50 100

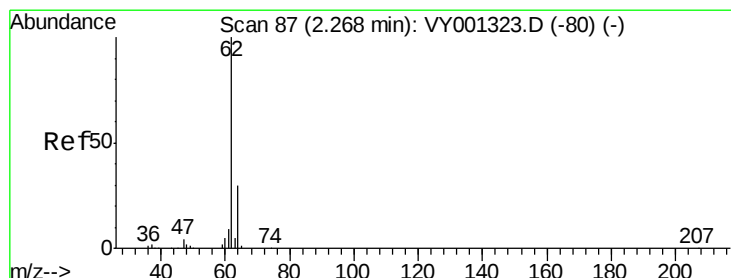
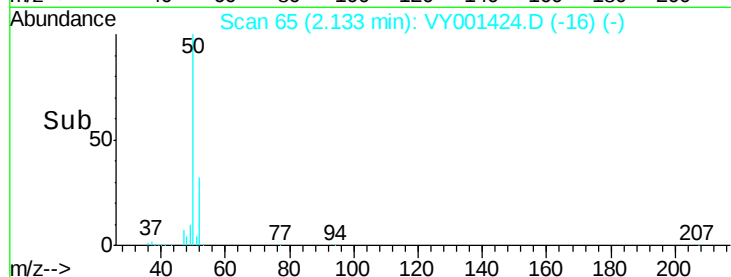
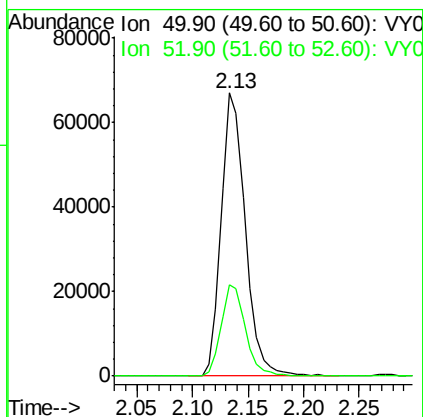
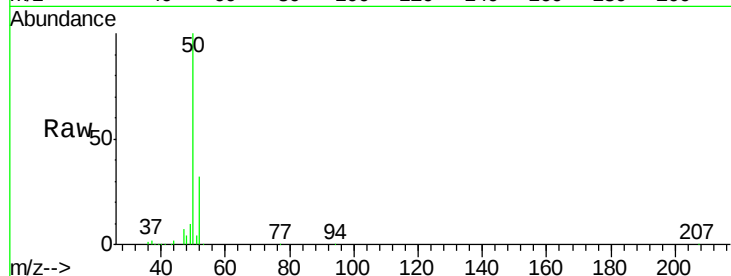
52 32.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.922 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001424.D

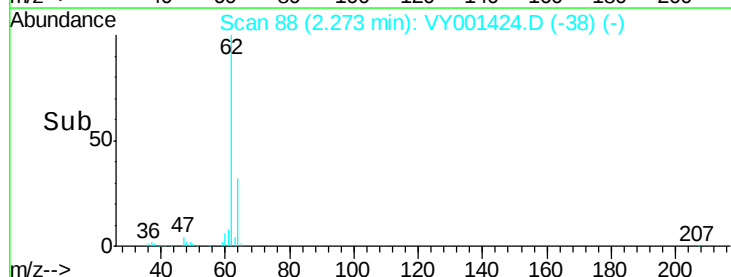
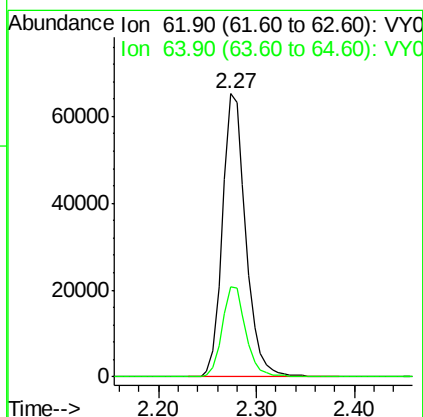
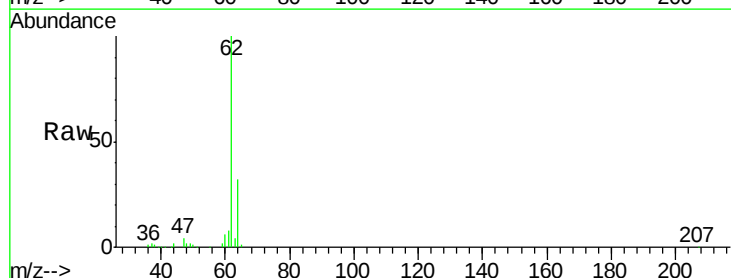
Acq: 30 Jan 2020 12:33

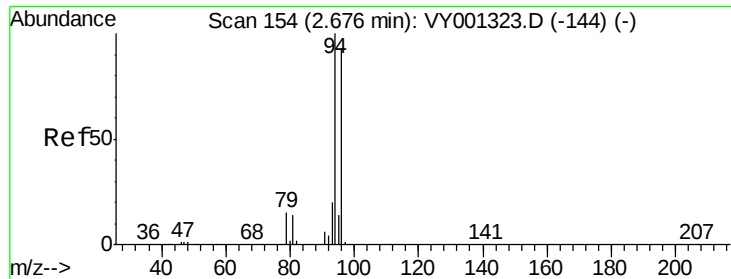
Tgt Ion: 62 Resp: 107777

Ion Ratio Lower Upper

62 100

64 31.8 23.9 35.9





#5

Bromomethane

Concen: 43.315 ug/l

RT: 2.68 min Scan# 155

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69990

Ion Ratio Lower Upper

94 100

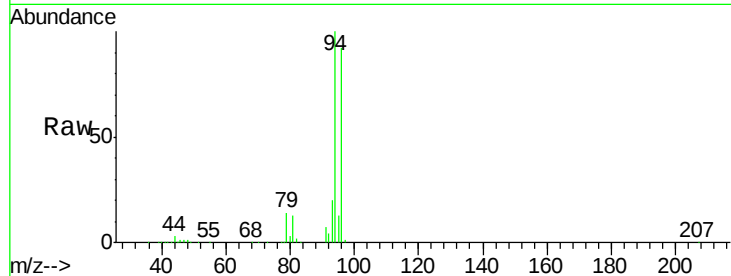
96 91.7 74.6 111.8

Manual Integrations

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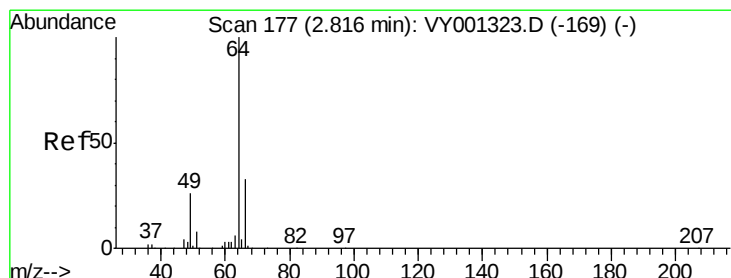
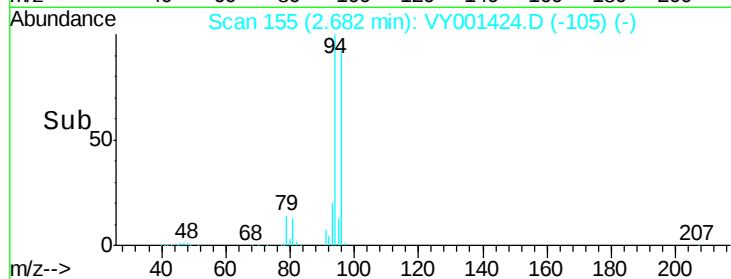
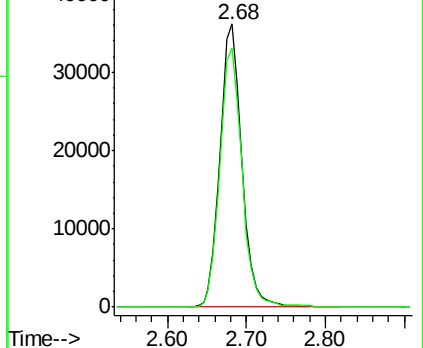
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.015 ug/l

RT: 2.82 min Scan# 178

Delta R.T. 0.01 min

Lab File: VY001424.D

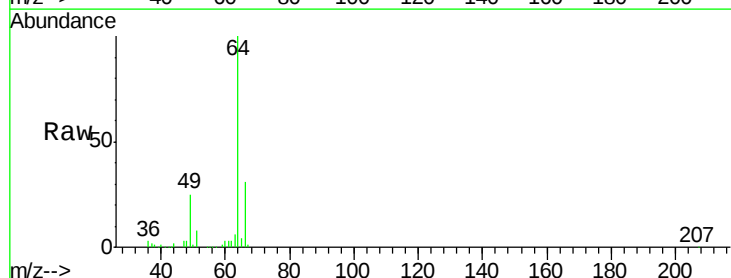
Acq: 30 Jan 2020 12:33

Tgt Ion: 64 Resp: 69011

Ion Ratio Lower Upper

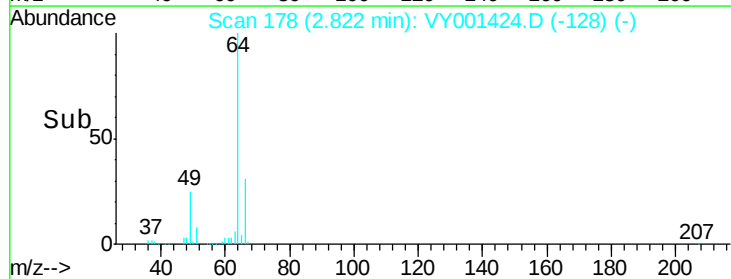
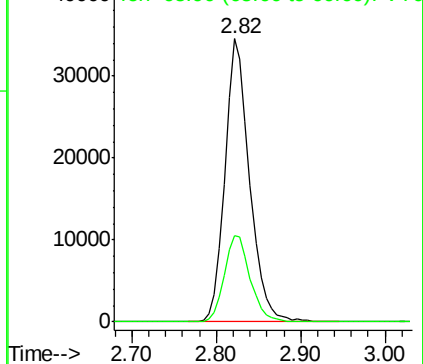
64 100

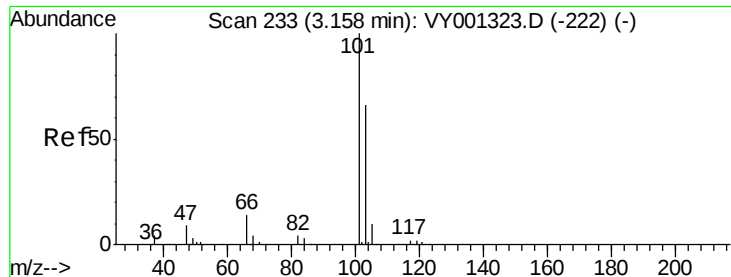
66 30.6 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

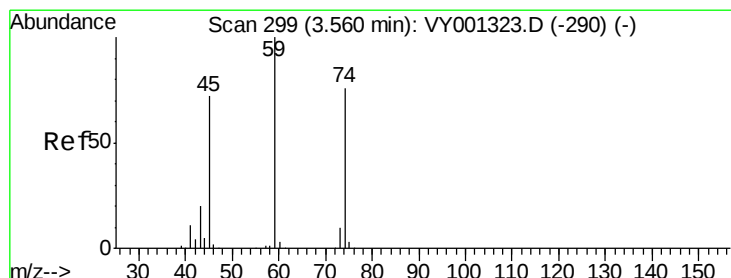
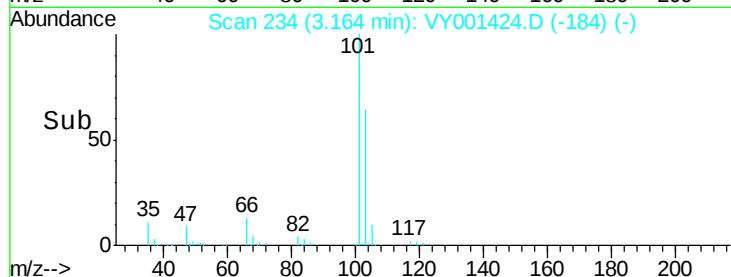
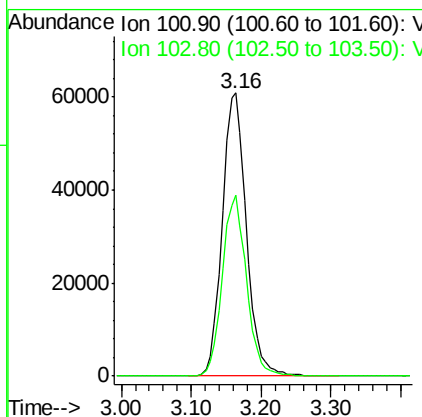
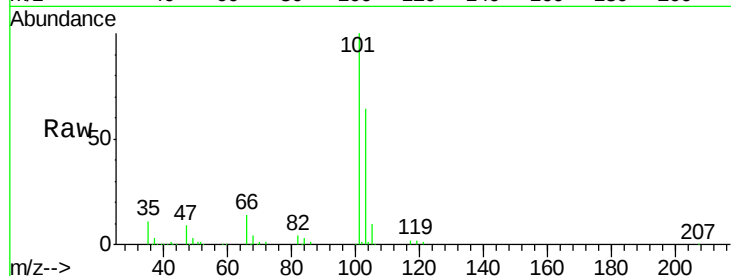
Trichlorofluoromethane
 Concen: 47.431 ug/l
 RT: 3.16 min Scan# 234
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	145598		
103	64.1	52.5	78.7	

Manual Integrations
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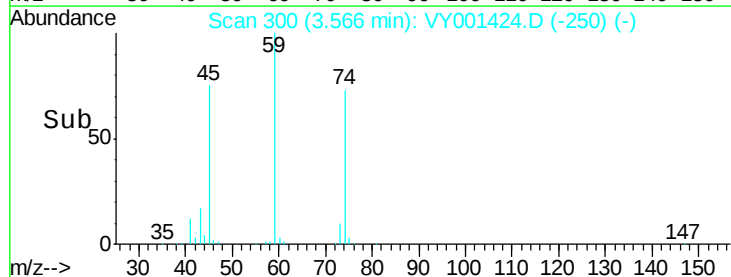
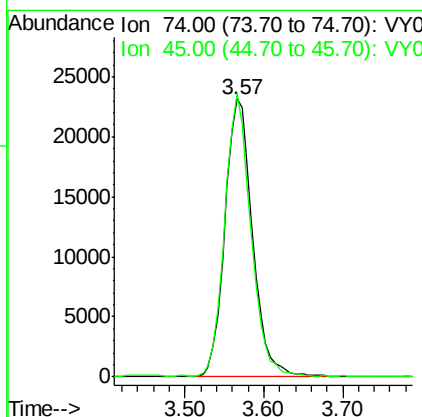
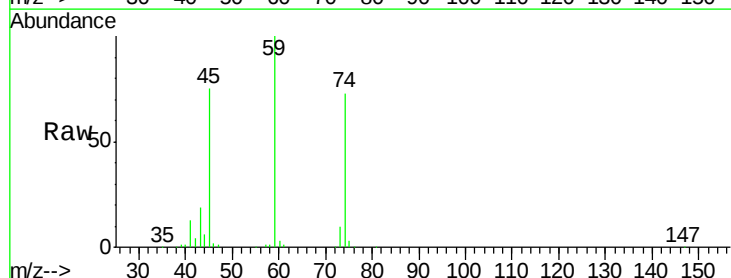
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#8

Diethyl Ether
 Concen: 43.555 ug/l
 RT: 3.57 min Scan# 300
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	56441		
45	96.9	47.2	141.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.224 ug/l

RT: 3.94 min Scan# 362

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

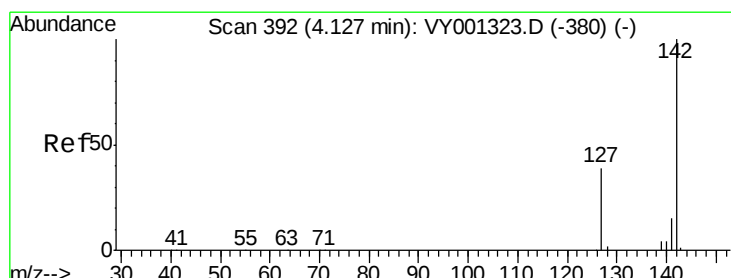
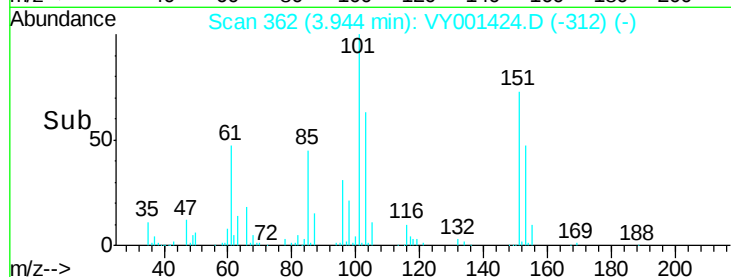
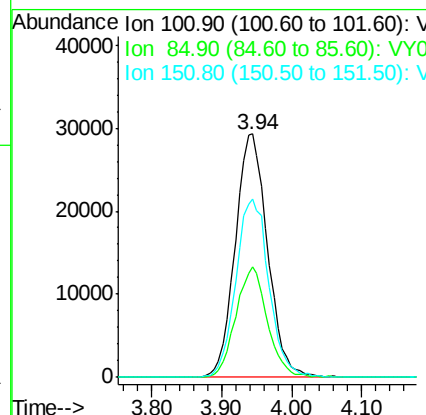
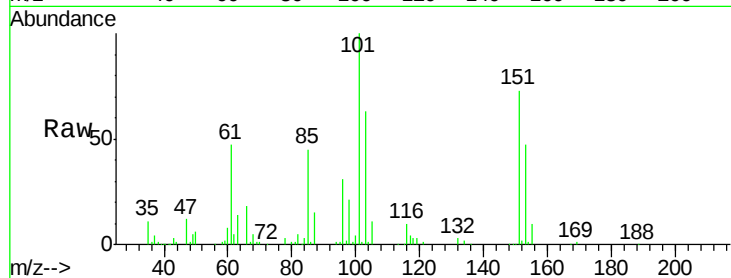
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	94274
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.9	52.3
151	74.5	59.9	89.9

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#10

Methyl Iodide

Concen: 45.298 ug/l

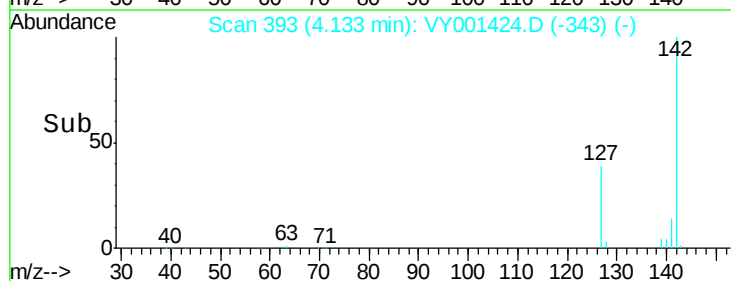
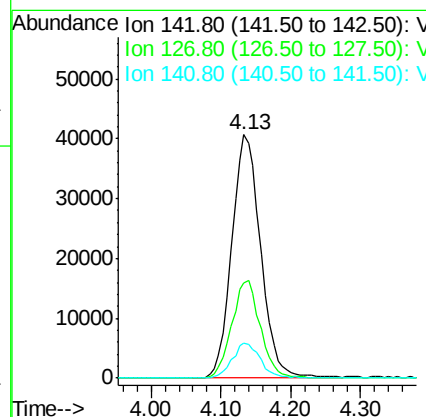
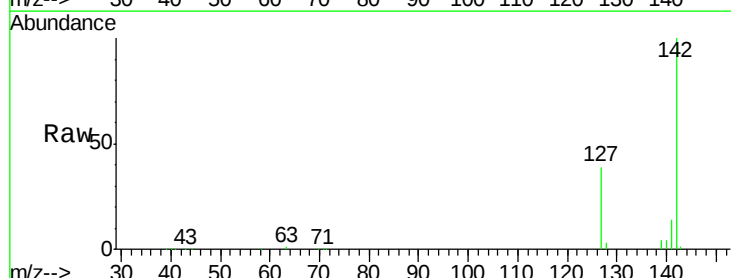
RT: 4.13 min Scan# 393

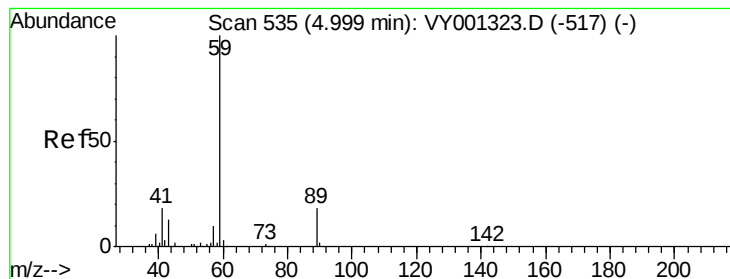
Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Tgt Ion:	142	Resp:	116794
Ion Ratio	Lower	Upper	
142	100		
127	40.0	31.6	47.4
141	14.1	11.2	16.8





#11

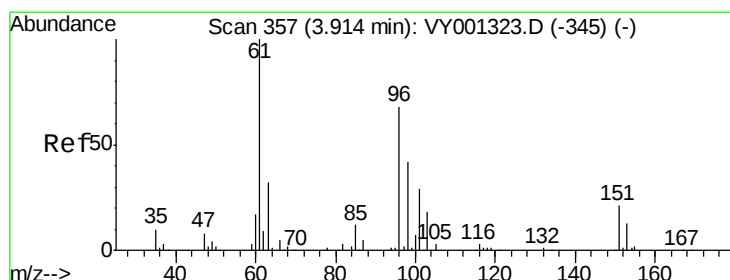
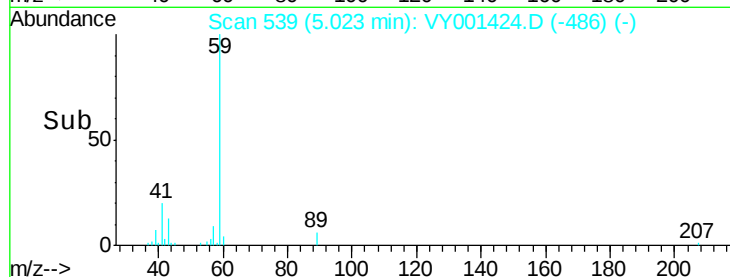
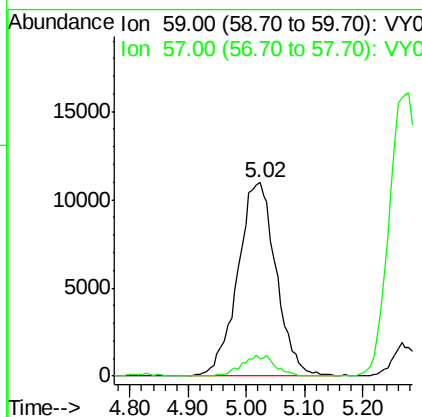
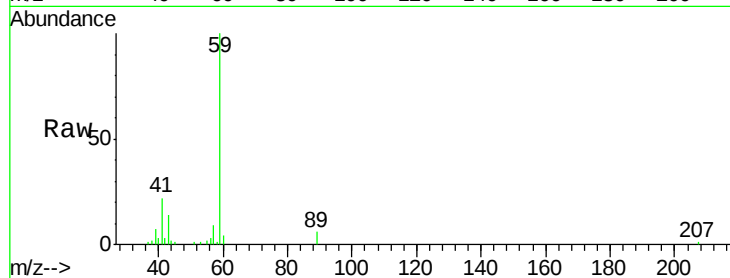
Tert butyl alcohol
Concen: 184.963 ug/l
RT: 5.02 min Scan# 539
Delta R.T. 0.02 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.2

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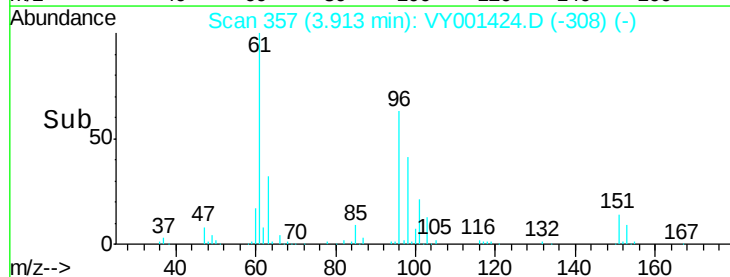
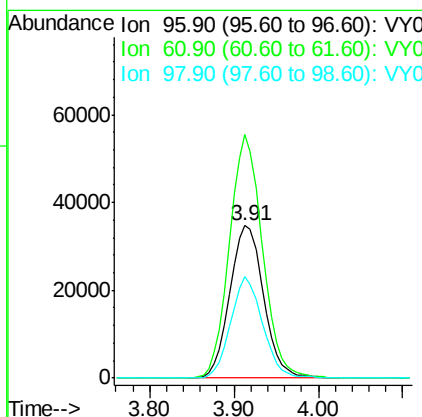
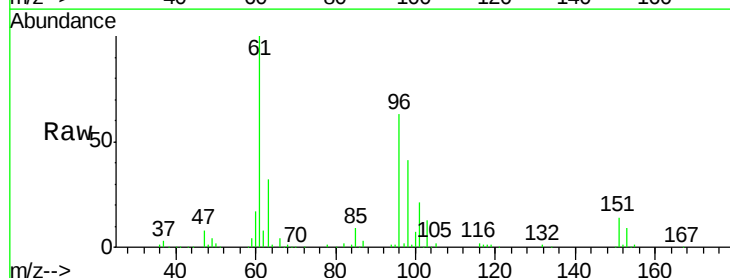
MMDadoda
1/31/2020 4:26:16 PM

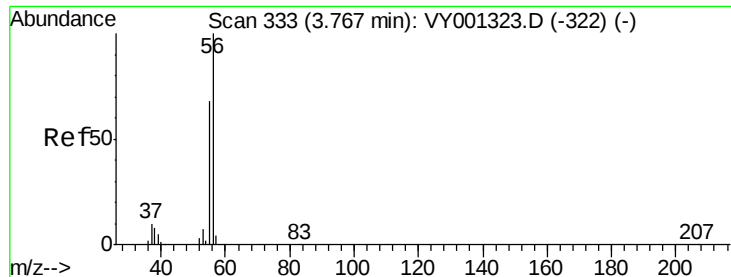


#12

1,1-Dichloroethene
Concen: 46.150 ug/l
RT: 3.91 min Scan# 357
Delta R.T. -0.00 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	118.0	177.0
98	66.3	49.4	74.2





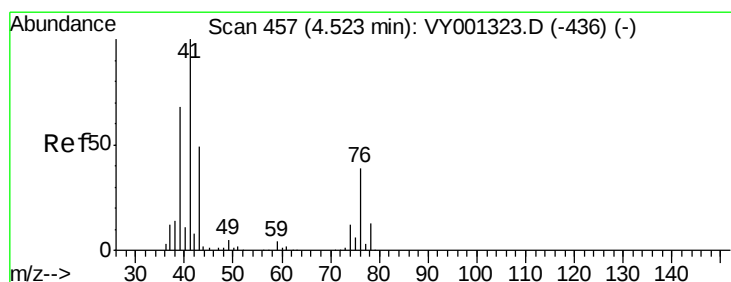
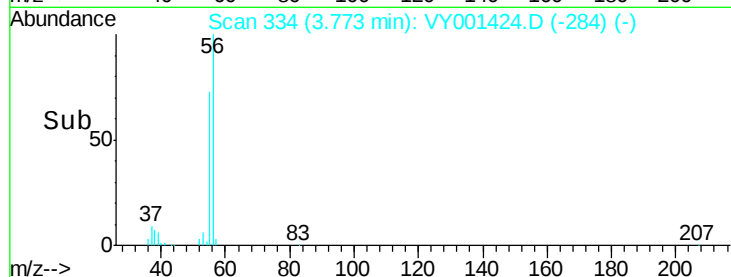
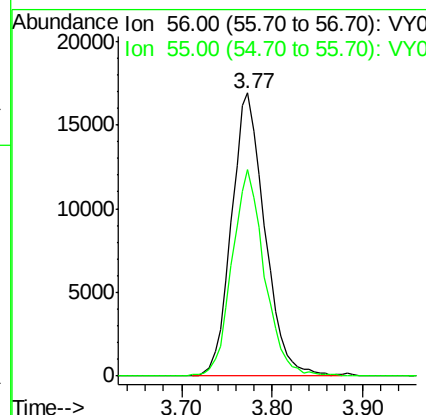
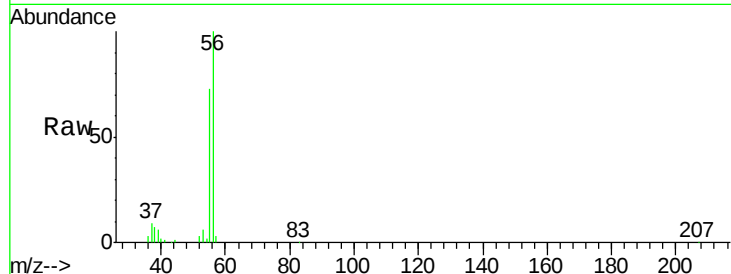
#13
Acrolein
Concen: 278.710 ug/l
RT: 3.77 min Scan# 334
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	43194
Ion Ratio	Lower	Upper	
56	100		
55	71.2	55.9	83.9

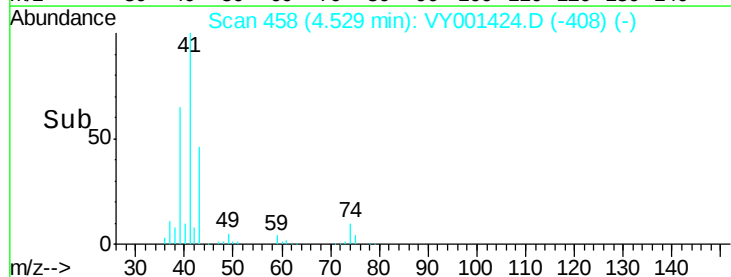
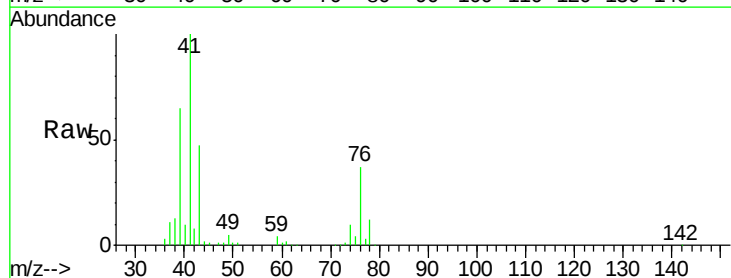
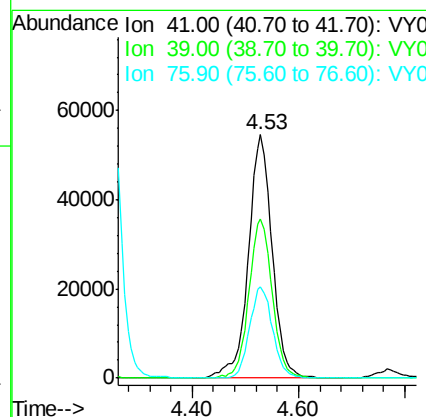
Manual Integrations
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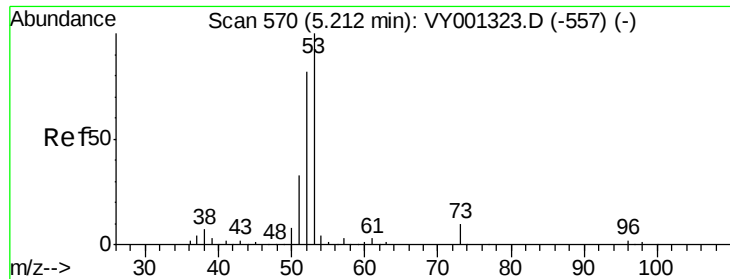
MMDadoda
1/31/2020 4:26:16 PM



#14
Allyl chloride
Concen: 45.856 ug/l
RT: 4.53 min Scan# 458
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	41	Resp	167619
Ion Ratio	Lower	Upper	
41	100		
39	64.4	52.2	78.4
76	36.3	29.1	43.7





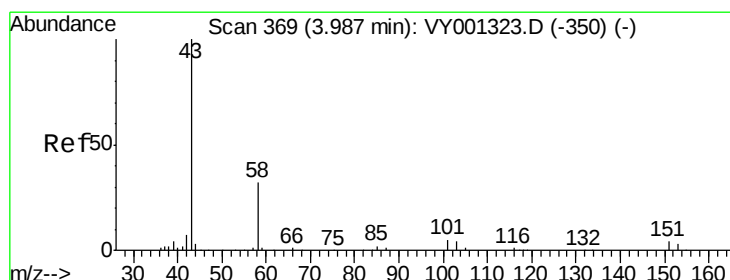
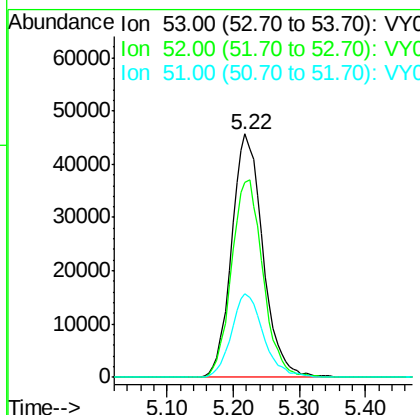
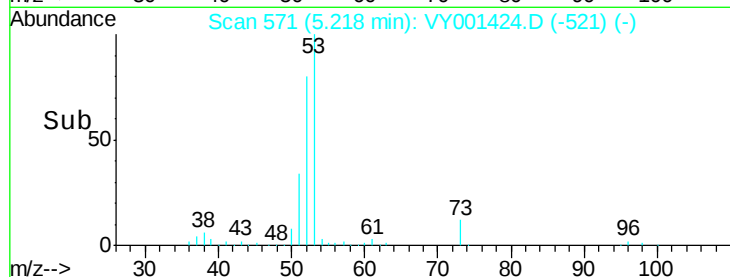
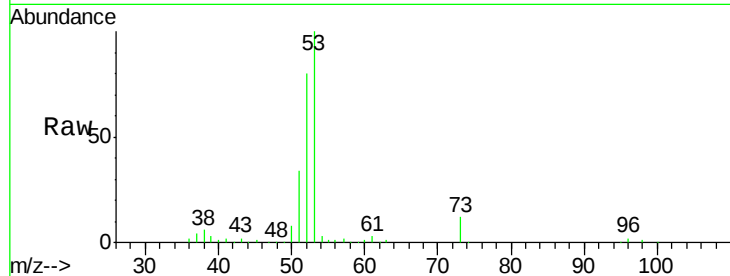
#15
 Acrylonitrile
 Concen: 225.799 ug/l
 RT: 5.22 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	149776
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.3	97.9
51	35.2	28.4	42.6

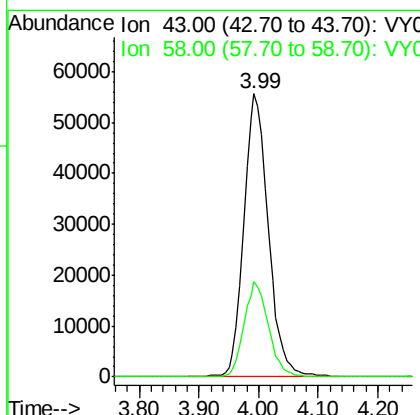
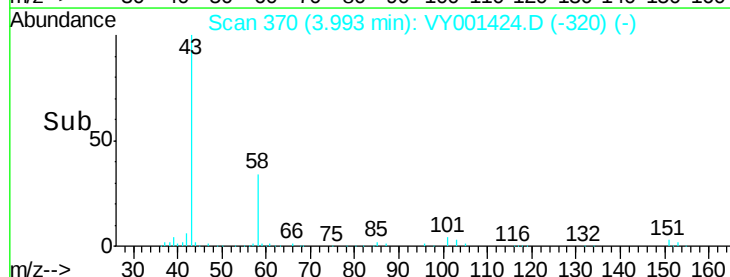
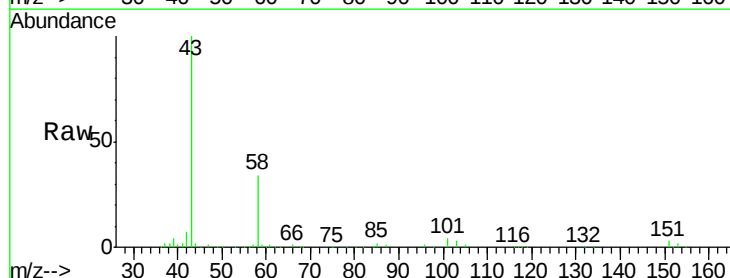
Manual Integrations
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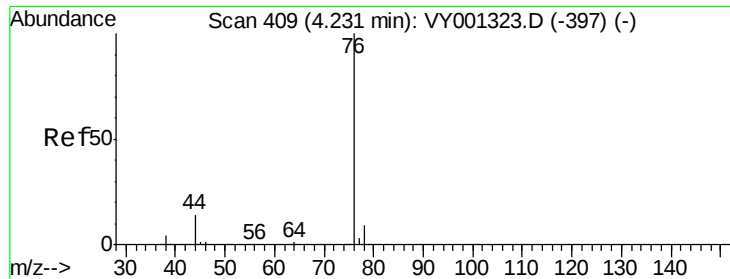
MMDadoda
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#16
 Acetone
 Concen: 289.432 ug/l
 RT: 3.99 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion:	43	Resp:	159504
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.4	38.0





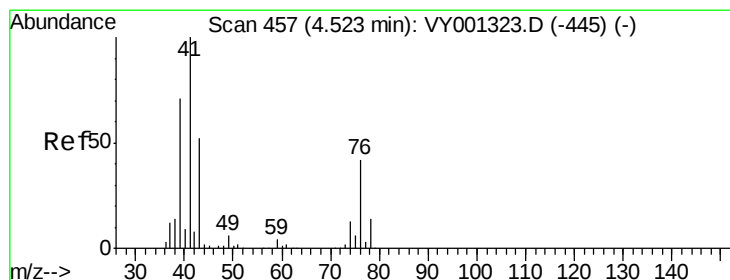
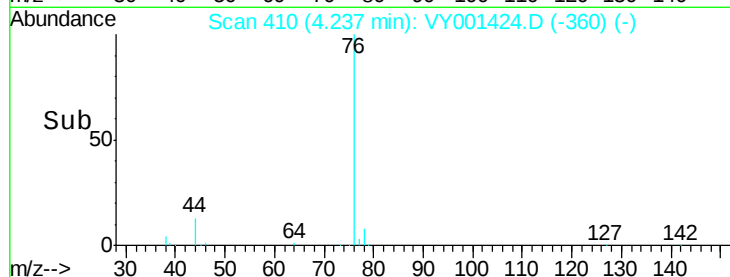
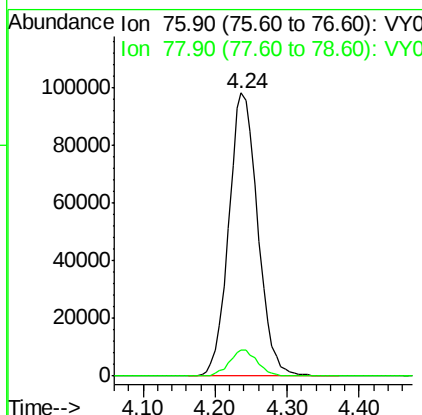
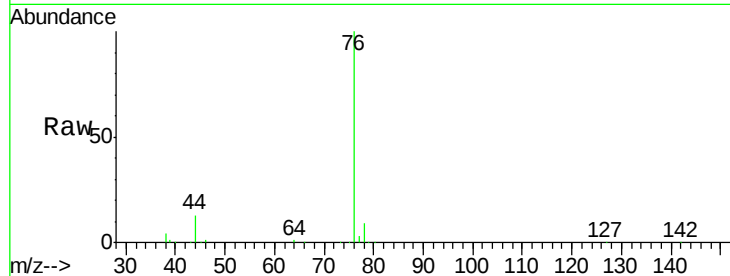
#17
Carbon Disulfide
Concen: 42.671 ug/l
RT: 4.24 min Scan# 410
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

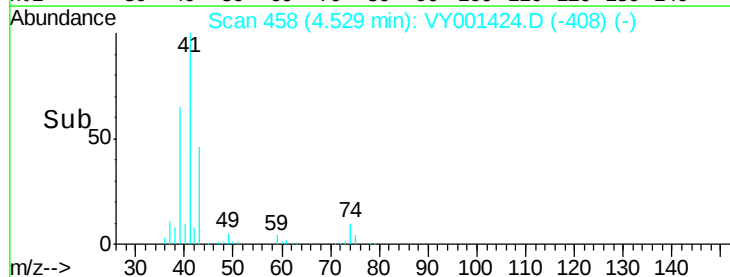
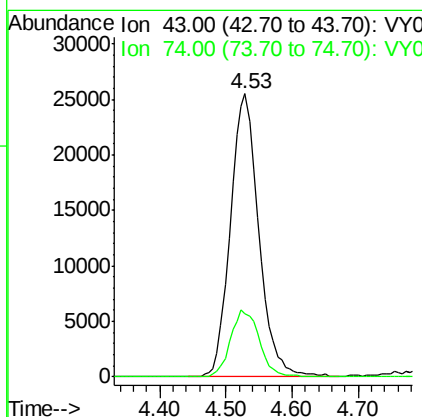
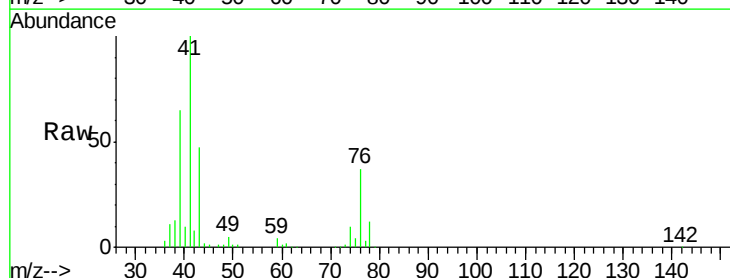
Manual Integrations
APPROVED

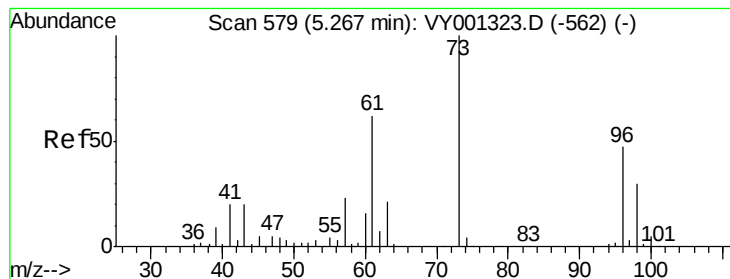
MMDadoda
1/31/2020 4:26:16 PM



#18
Methyl Acetate
Concen: 42.821 ug/l
RT: 4.53 min Scan# 458
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.2





#19

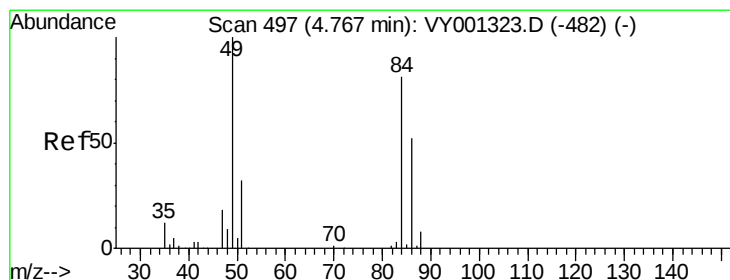
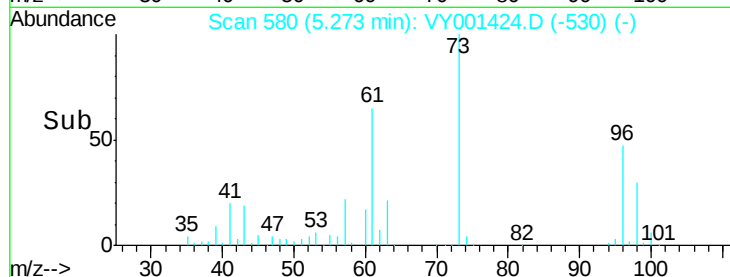
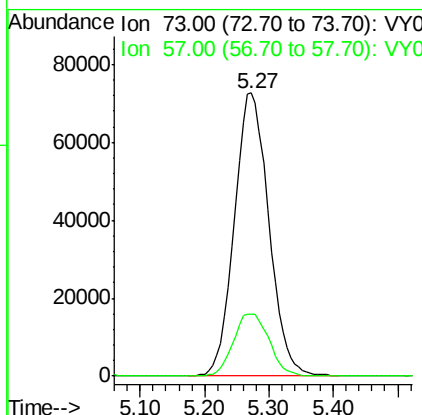
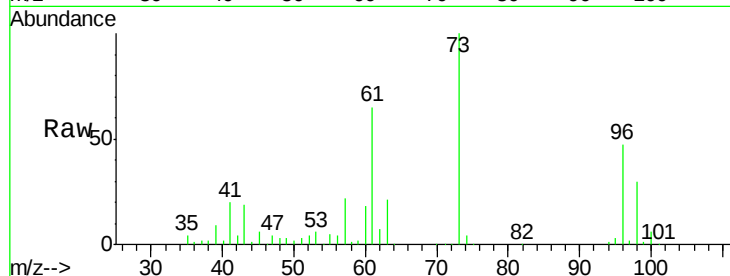
Methyl tert-butyl Ether
 Concen: 44.920 ug/l
 RT: 5.27 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.2	27.2

Manual Integrations
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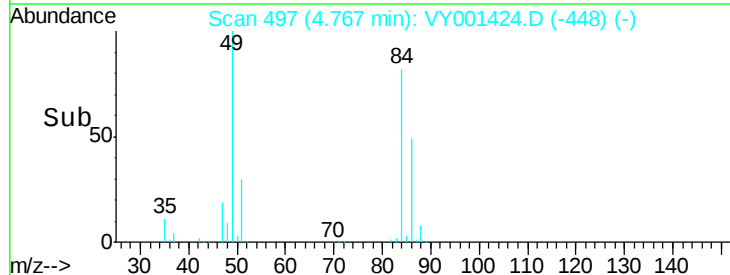
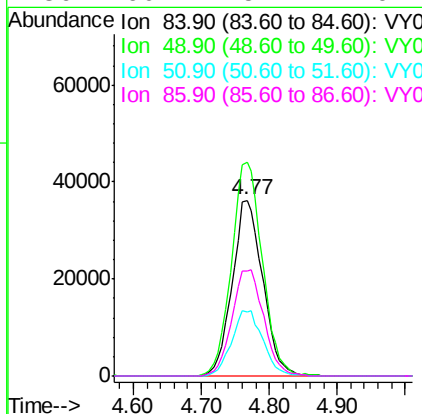
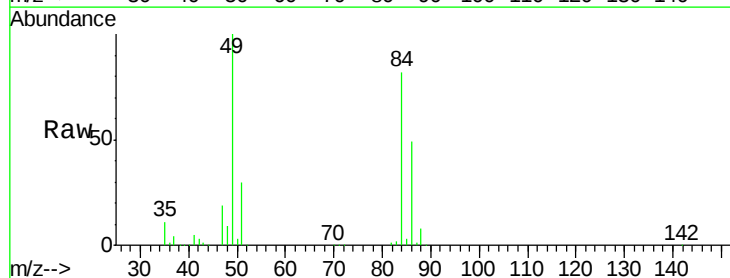
MMDadoda
 1/31/2020 4:26:16 PM

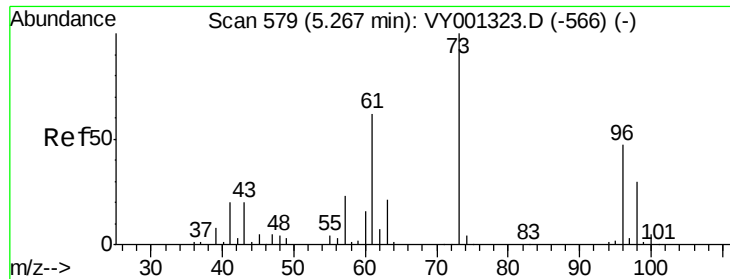


#20

Methylene Chloride
 Concen: 42.816 ug/l
 RT: 4.77 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.6	98.3	147.5
51	36.7	31.6	47.4
86	60.1	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 44.772 ug/l

RT: 5.27 min Scan# 580

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

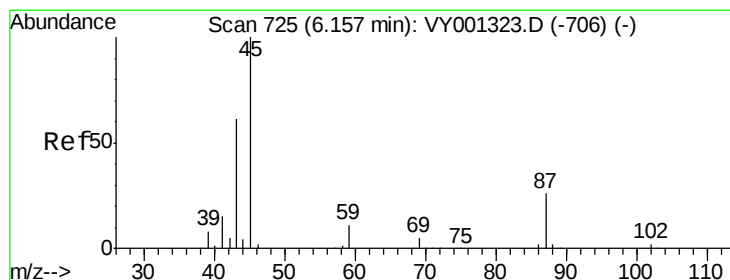
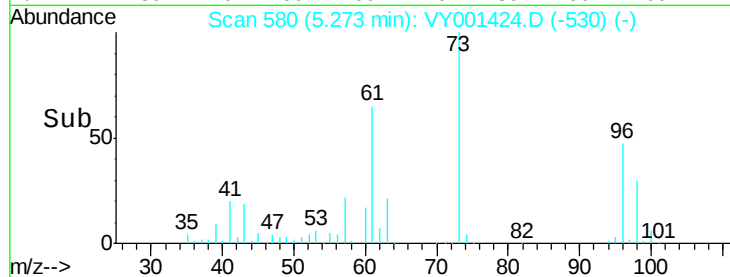
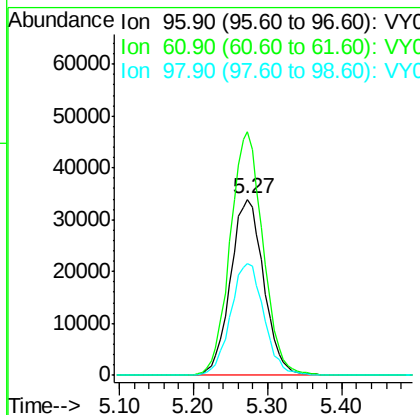
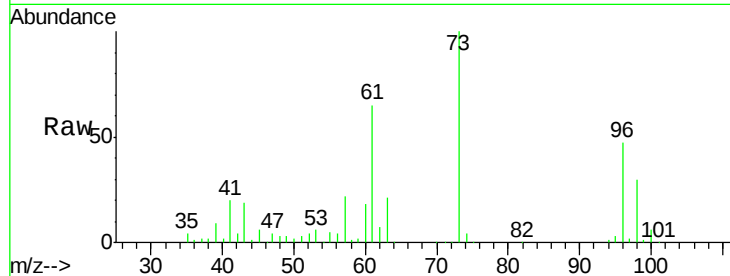
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	106600
Ion	Ratio	Lower	Upper
96	100		
61	138.3	106.8	160.2
98	63.2	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.837 ug/l

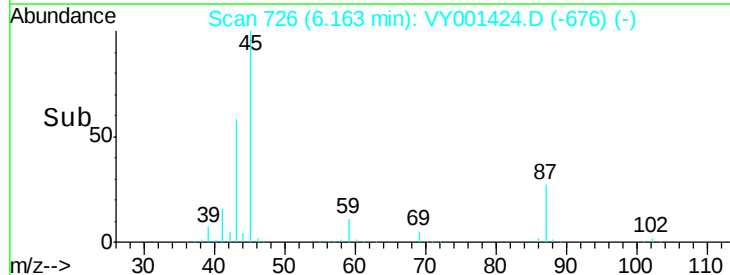
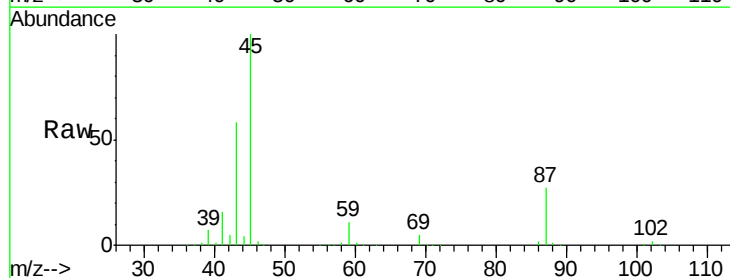
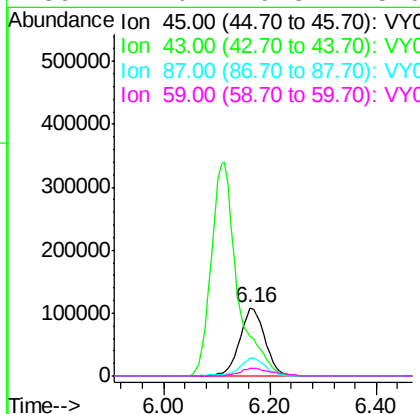
RT: 6.16 min Scan# 726

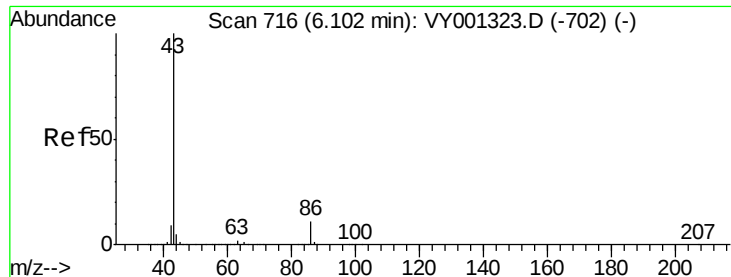
Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Tgt Ion:	45	Resp:	355789
Ion	Ratio	Lower	Upper
45	100		
43	57.9	49.2	73.8
87	26.9	21.4	32.2
59	11.0	9.3	13.9





#23

Vinyl Acetate

Concen: 228.908 ug/l

RT: 6.11 min Scan# 718

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1153497

Ion Ratio Lower Upper

43 100

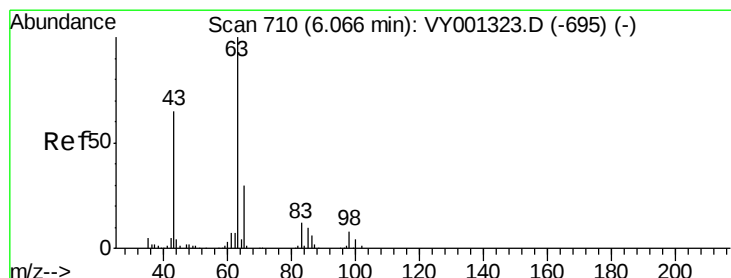
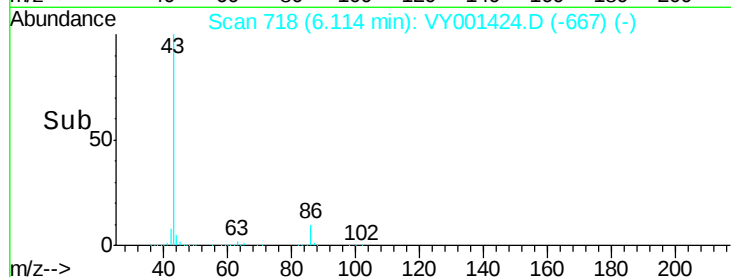
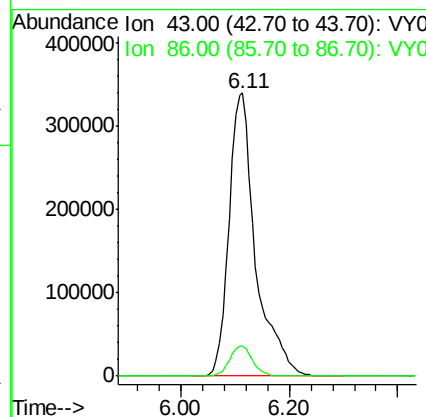
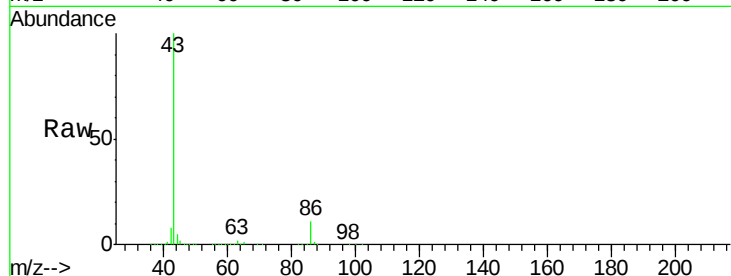
86 10.5 8.6 13.0

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 46.646 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

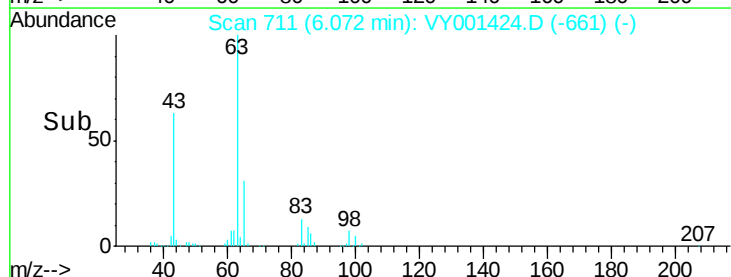
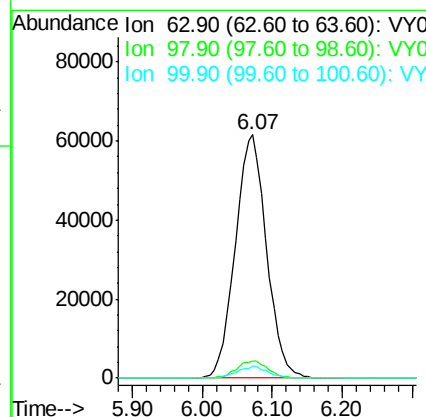
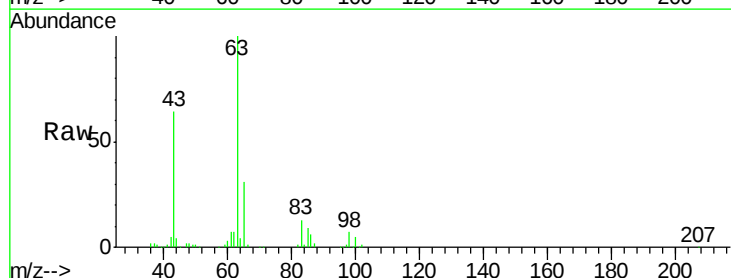
Tgt Ion: 63 Resp: 190844

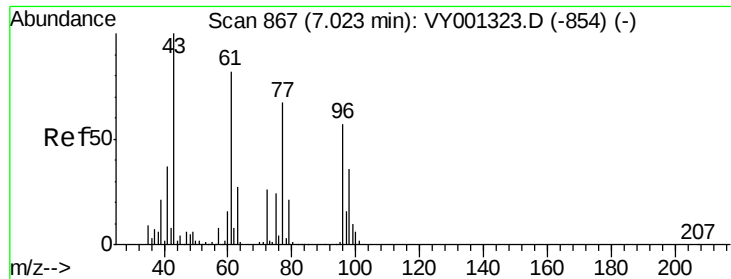
Ion Ratio Lower Upper

63 100

98 6.9 4.0 12.0

100 5.0 2.1 6.3





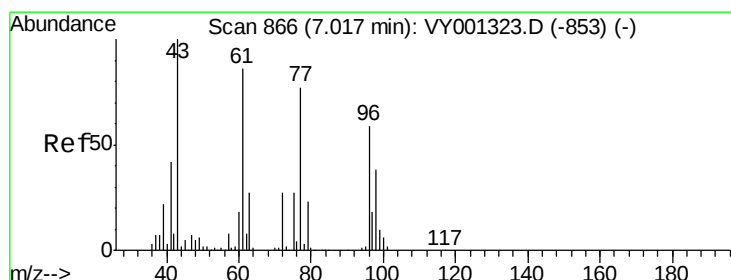
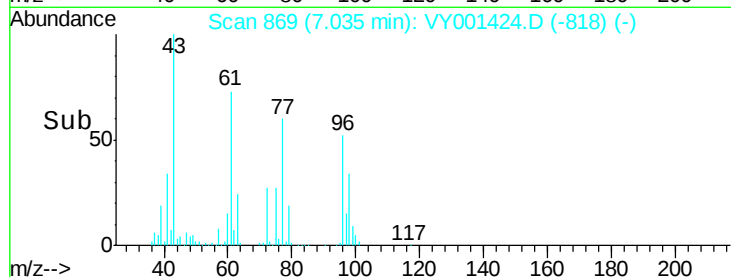
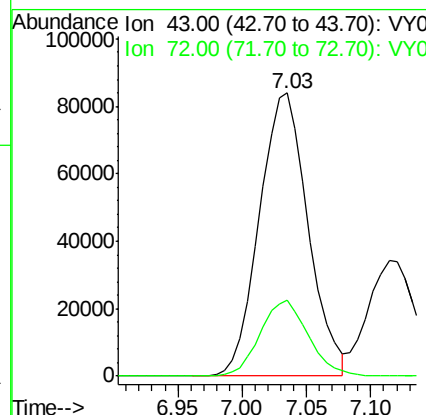
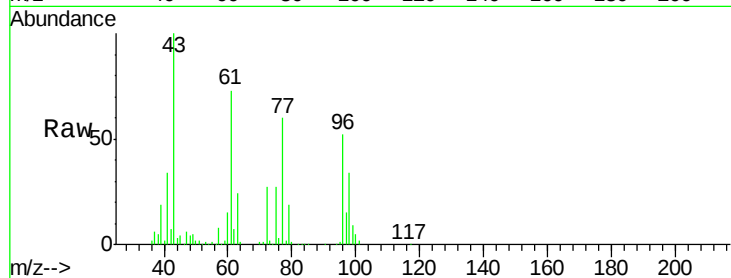
#25
2-Butanone
Concen: 241.104 ug/l
RT: 7.03 min Scan# 869
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 220449
Ion Ratio Lower Upper
43 100
72 26.8 20.6 31.0

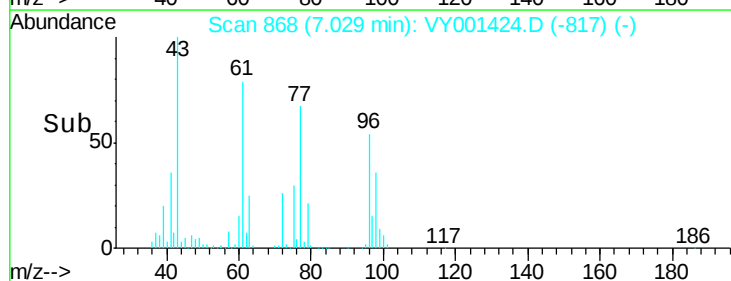
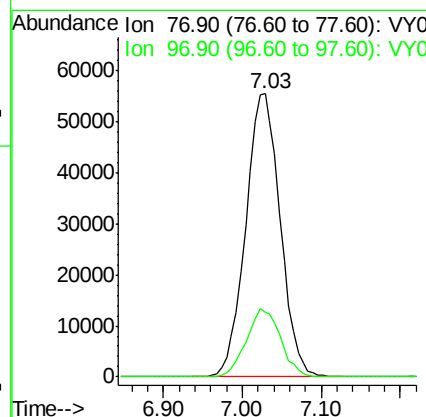
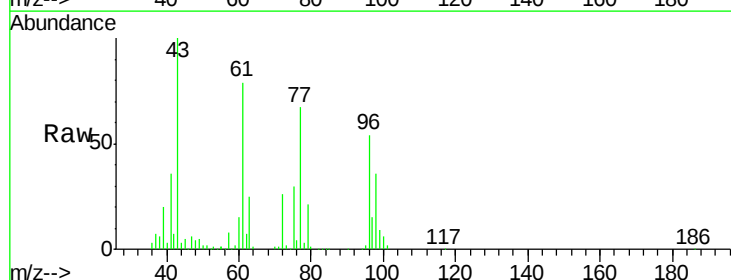
Manual Integrations
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1/31/2020 4:26:16 PM



#26
2,2-Dichloropropane
Concen: 46.181 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion: 77 Resp: 168300
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.5





#27

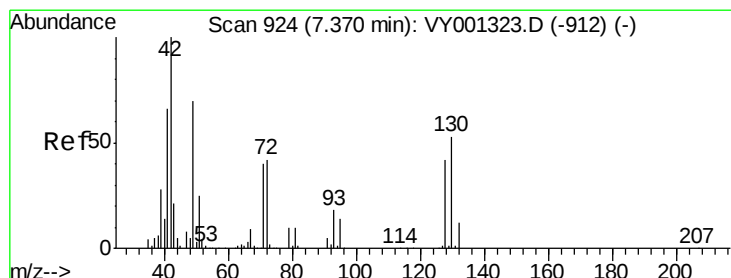
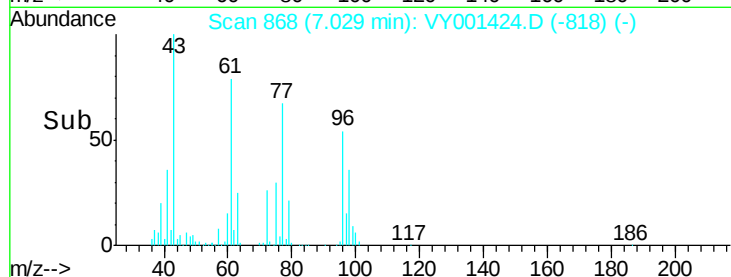
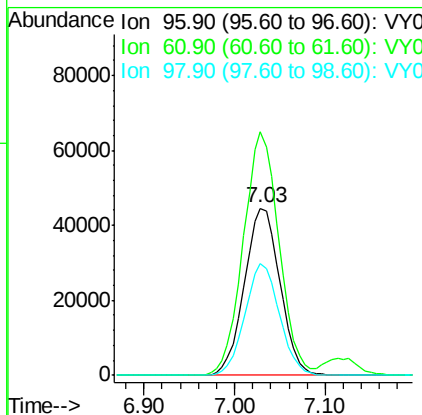
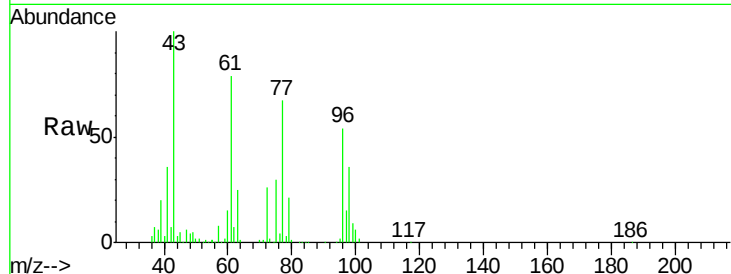
cis-1,2-Dichloroethene
Concen: 45.630 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	121417		
61	145.5	0.0	284.8	
98	64.9	0.0	128.4	

Manual Integrations
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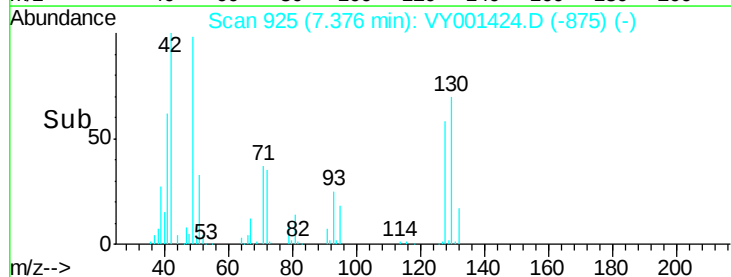
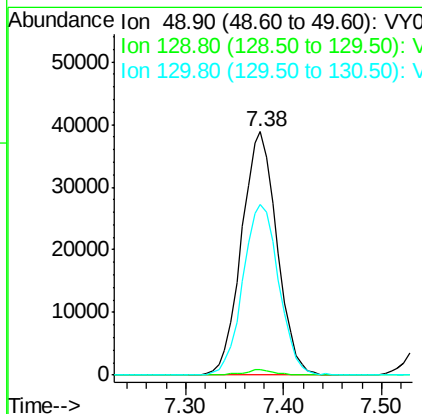
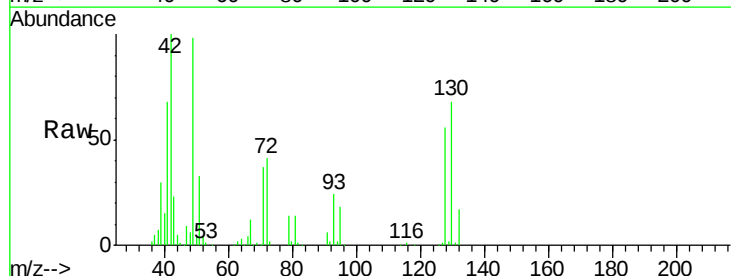
MMDadoda
1/31/2020 4:26:16 PM

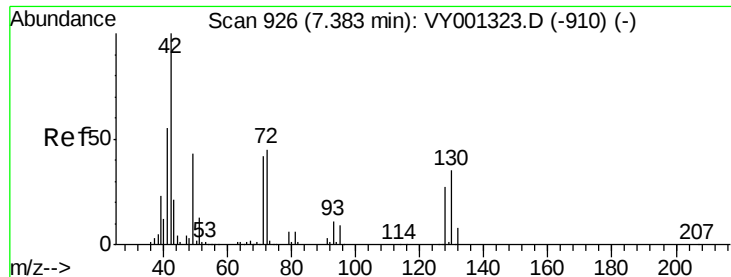


#28

Bromochloromethane
Concen: 57.650 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	97270		
129	2.0	0.0	4.0	
130	71.2	58.9	88.3	





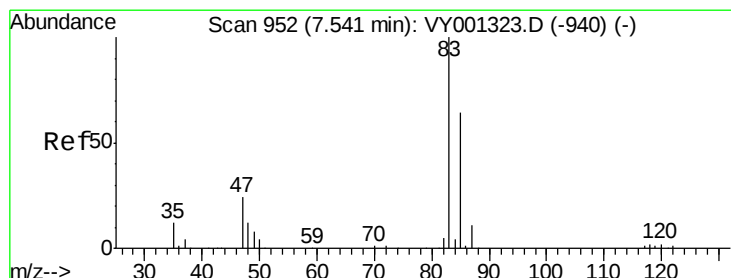
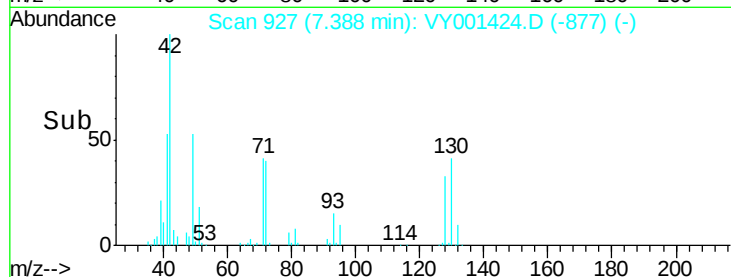
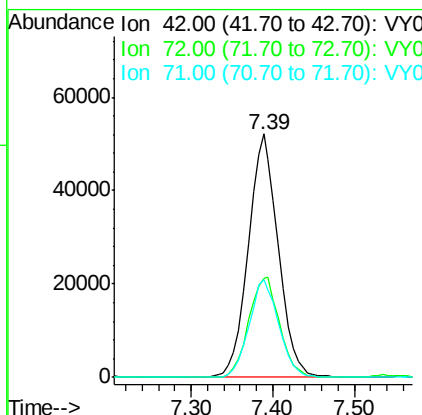
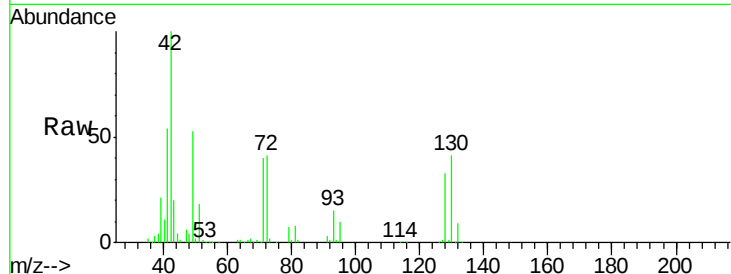
#29
Tetrahydrofuran
Concen: 223.787 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.6	51.8
71	39.9	32.6	48.8

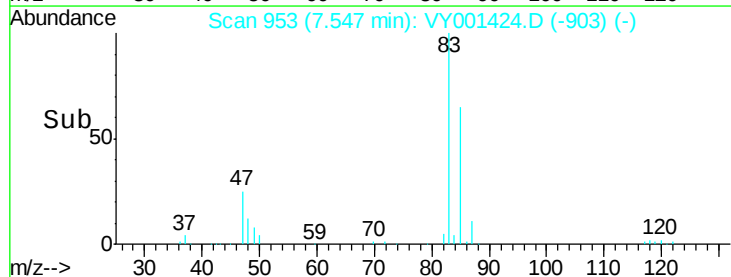
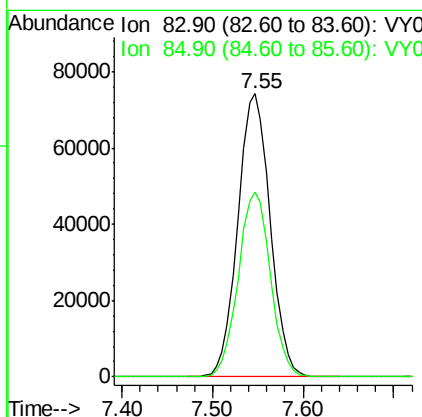
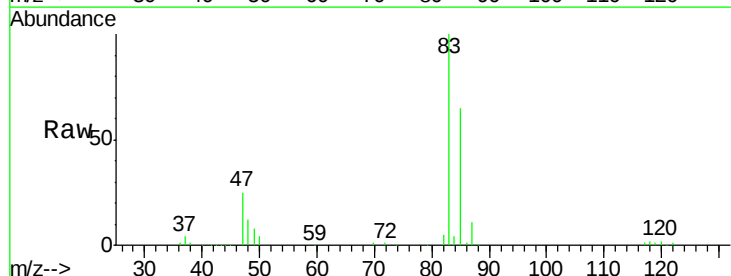
Manual Integrations
APPROVED

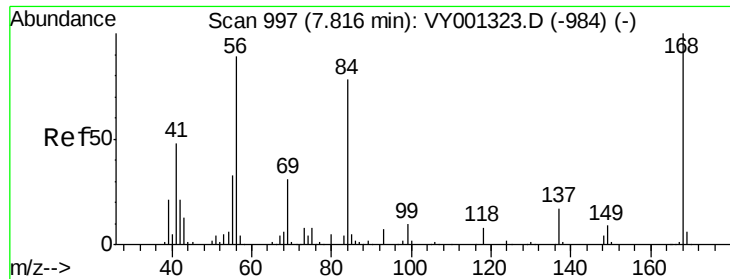
MMDadoda
1/31/2020 4:26:16 PM



#30
Chloroform
Concen: 45.710 ug/l
RT: 7.55 min Scan# 953
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3





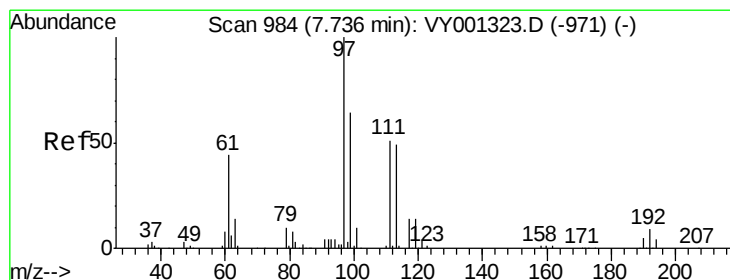
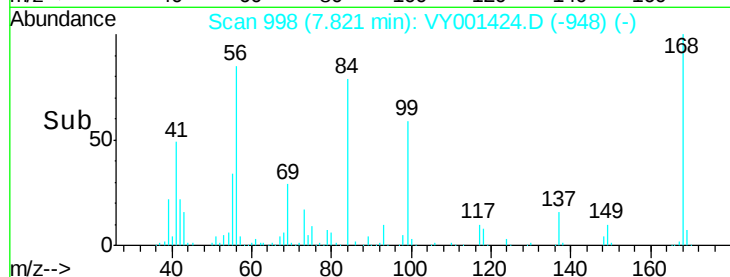
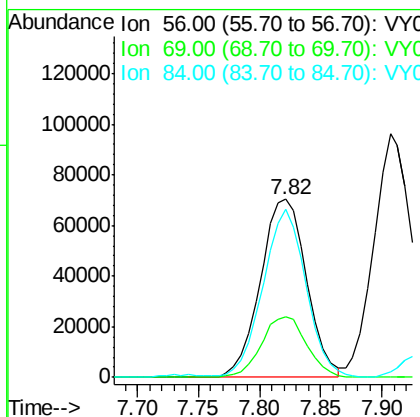
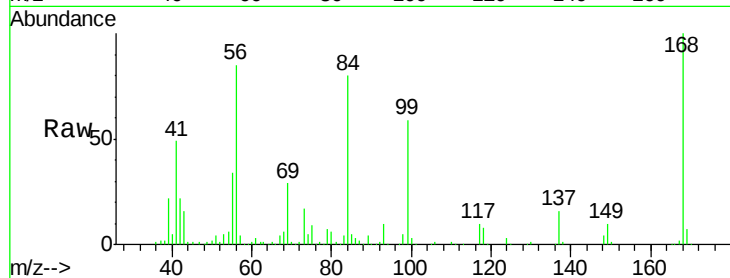
#31
Cyclohexane
Concen: 45.488 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.6	41.4
84	92.8	69.7	104.5

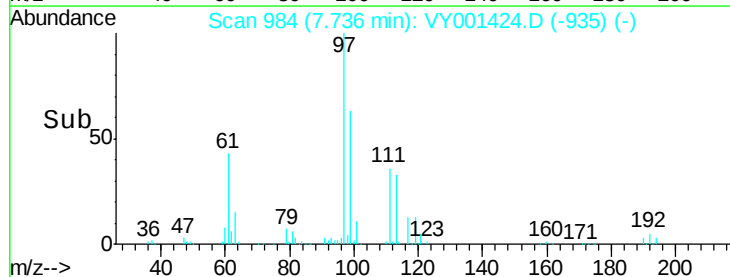
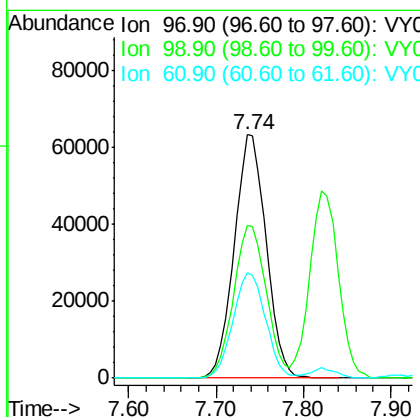
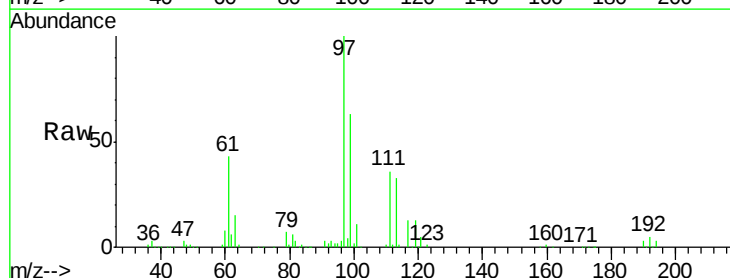
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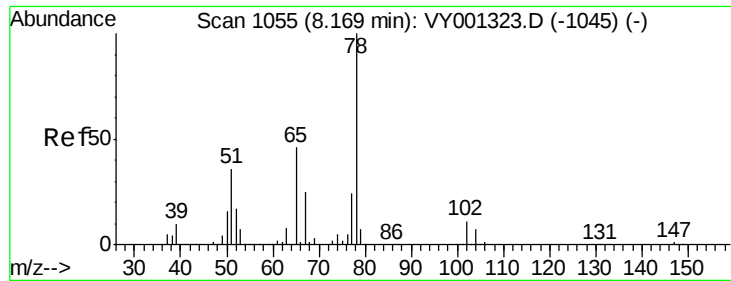
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#32
1,1,1-Trichloroethane
Concen: 47.430 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.00 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	44.0	35.9	53.9





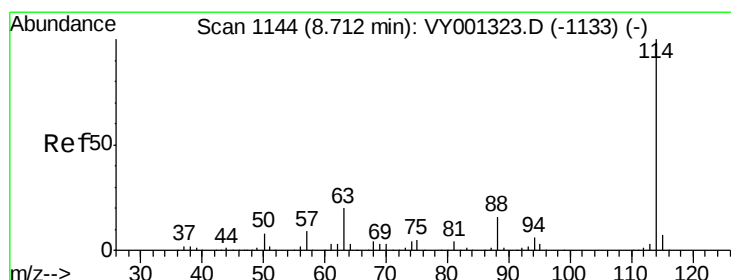
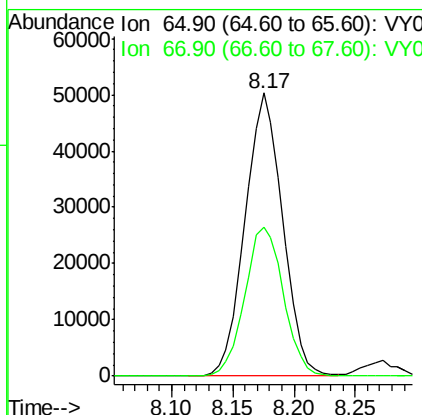
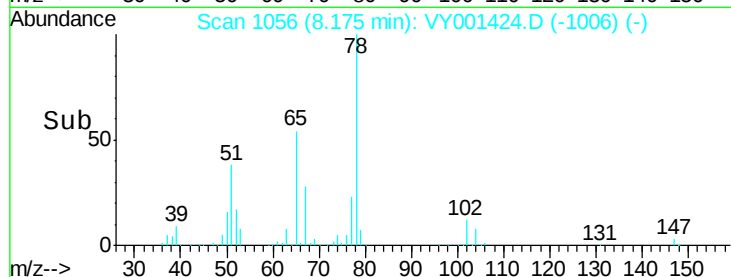
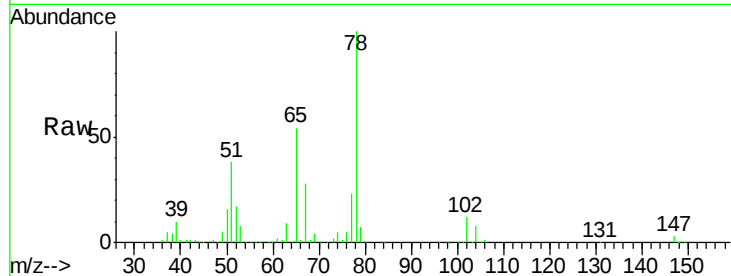
#33
 1,2-Dichloroethane-d4
 Concen: 51.137 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 107422
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.6

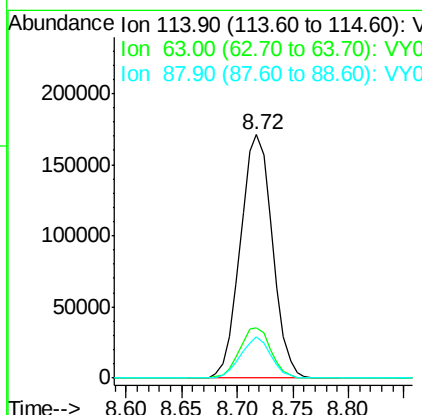
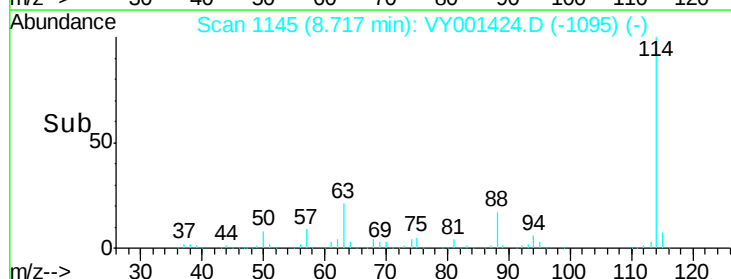
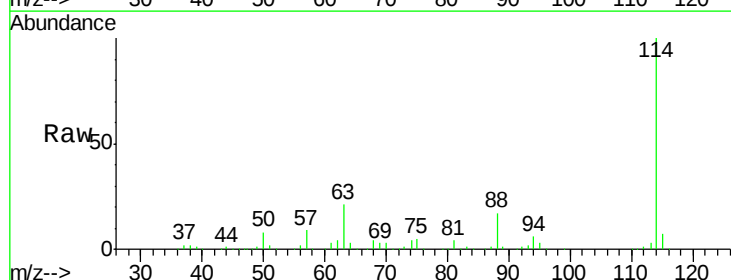
Manual Integrations
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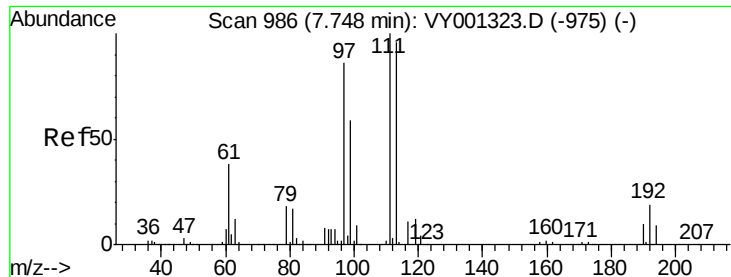
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion: 114 Resp: 342489
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 16.7 0.0 31.0





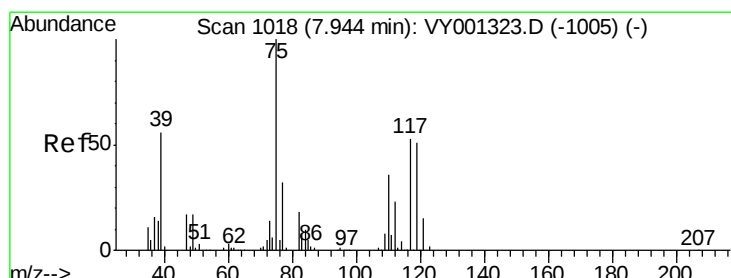
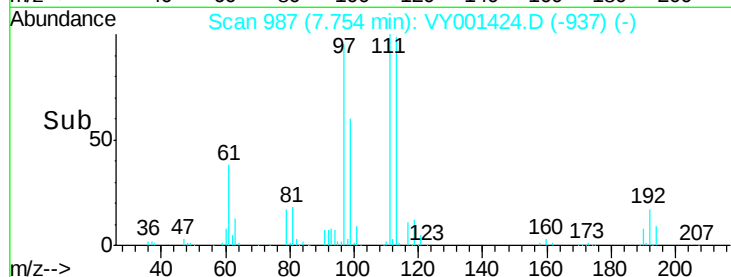
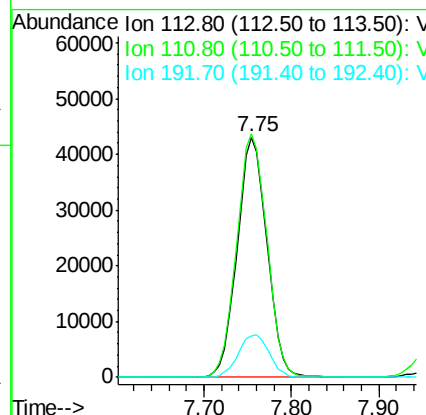
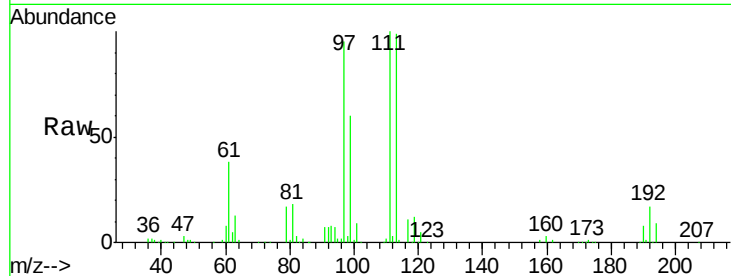
#35
 Dibromofluoromethane
 Concen: 50.691 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101895		
111	103.2	82.8	124.2	
192	18.4	15.5	23.3	

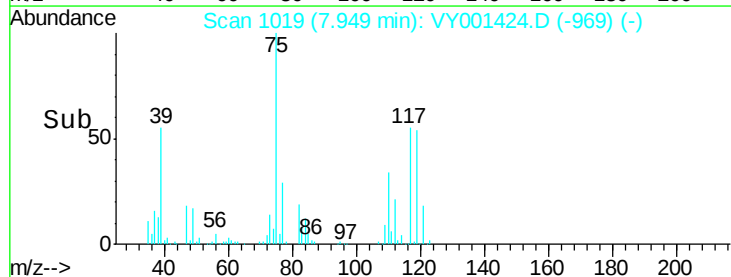
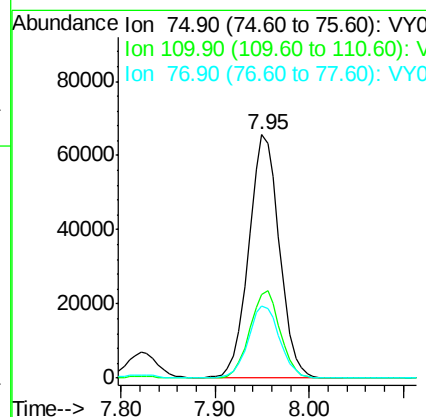
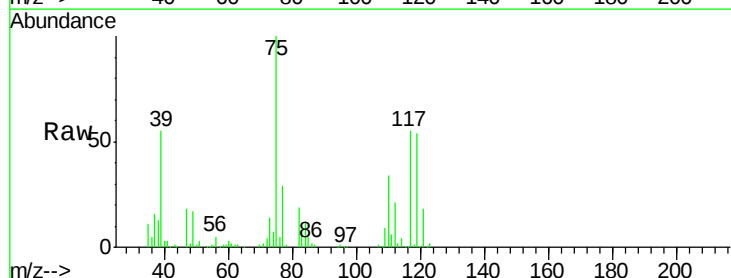
Manual Integrations
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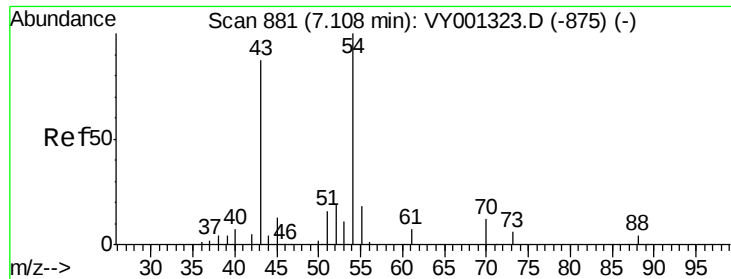
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 1/31/2020 4:26:16 PM



#36
 1,1-Dichloropropene
 Concen: 46.357 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	149997		
110	35.5	17.6	52.8	
77	30.4	24.7	37.1	





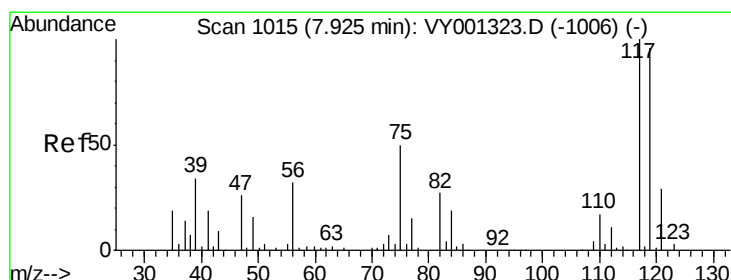
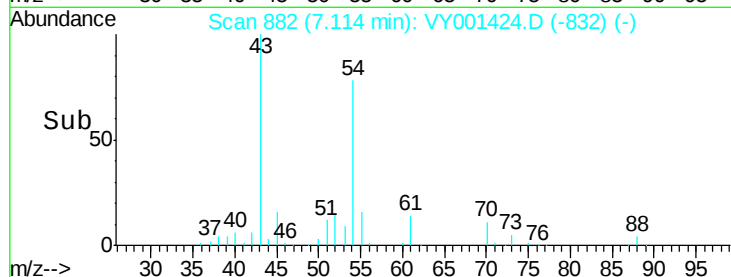
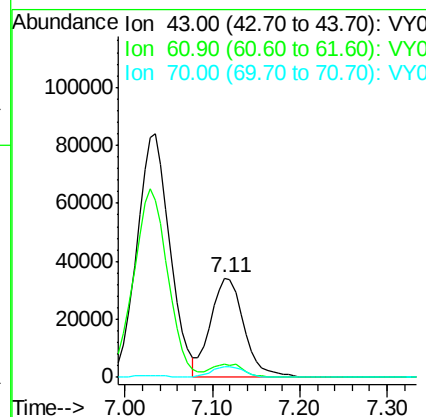
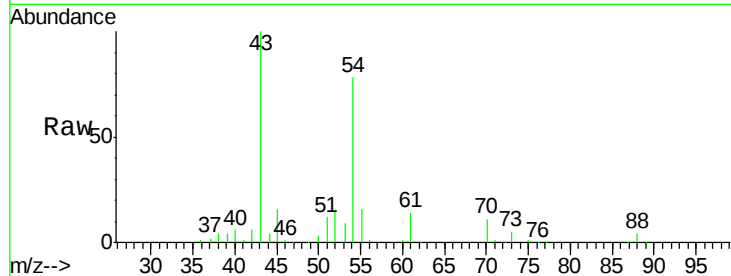
#37
Ethyl Acetate
Concen: 46.050 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.3	16.9
70	10.3	8.7	13.1

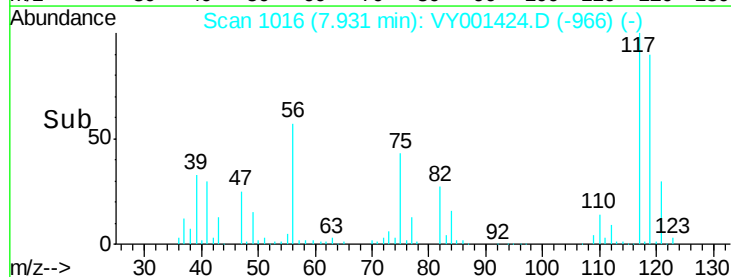
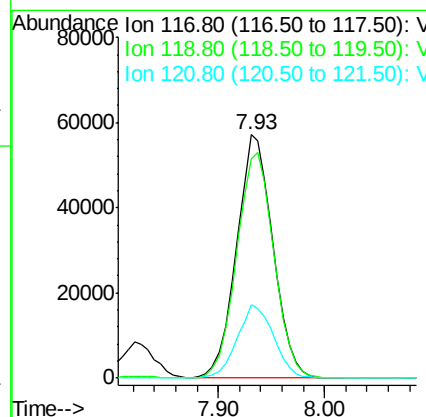
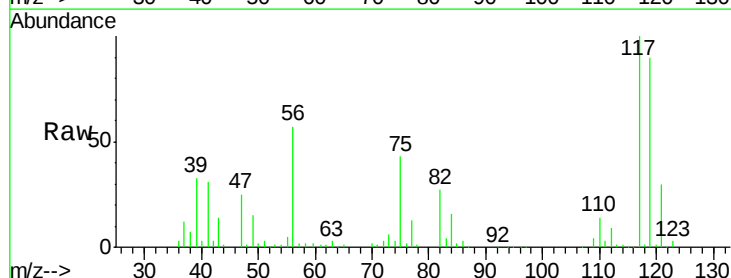
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 47.441 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.9	76.3	114.5
121	30.1	23.5	35.3





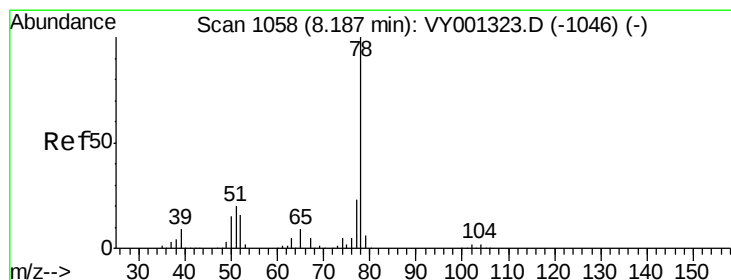
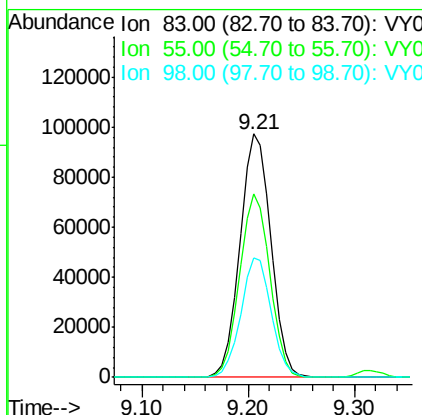
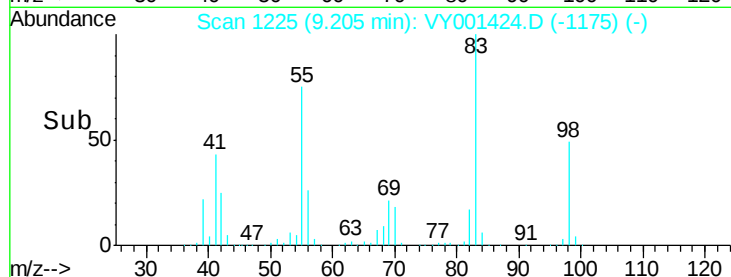
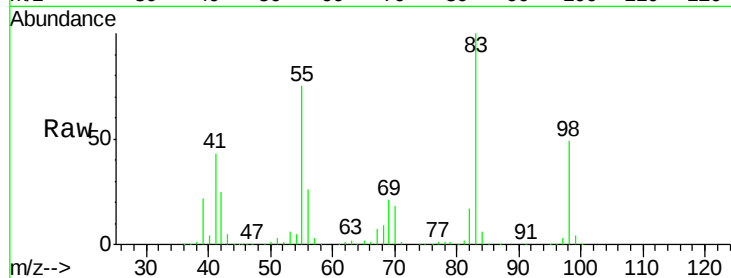
#39
Methvlcvclohexane
Concen: 47.878 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.7	91.1
98	48.9	37.8	56.8

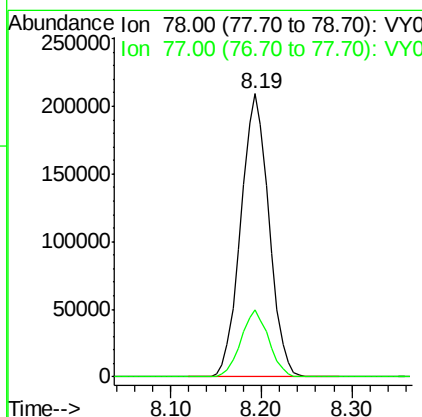
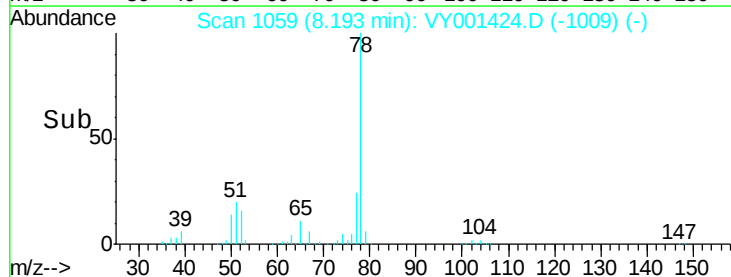
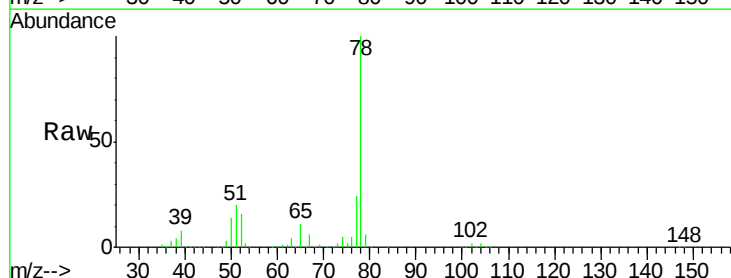
Manual Integrations
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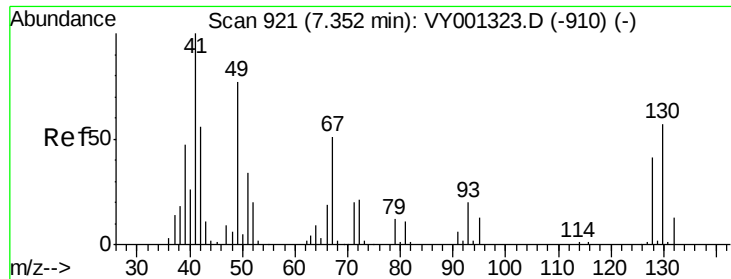
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#40
Benzene
Concen: 46.340 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8





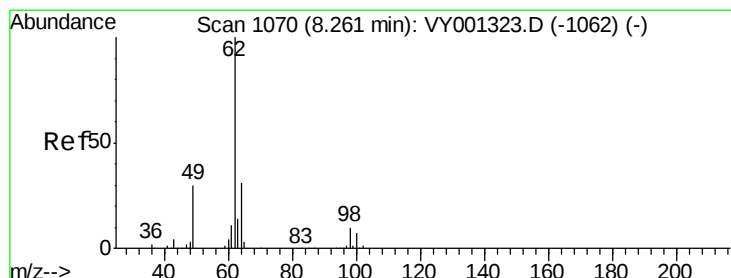
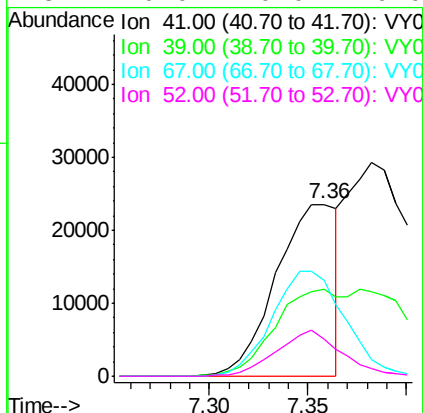
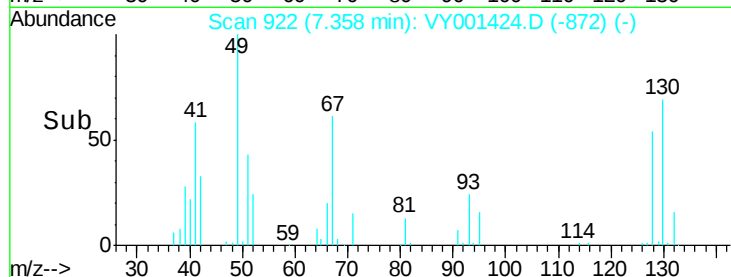
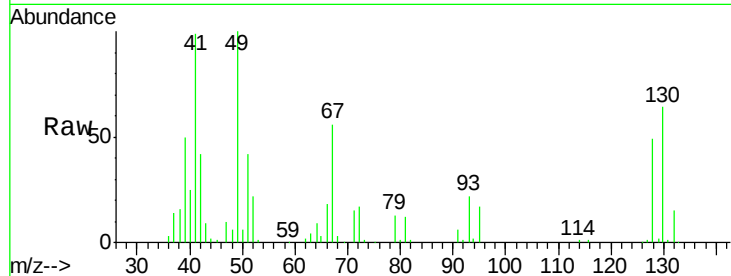
#41
Methacrylonitrile
Concen: 50.051 ug/l m
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	51060
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

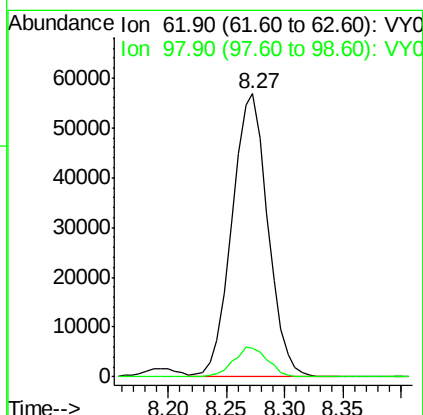
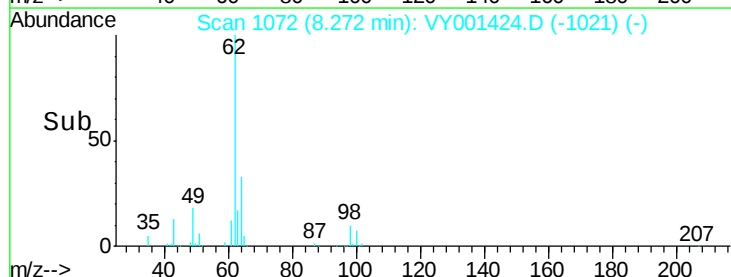
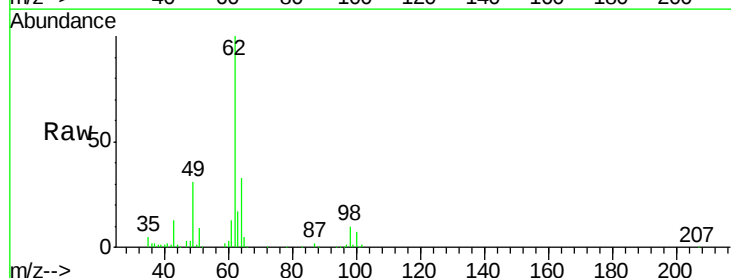
Manual Integrations
APPROVED

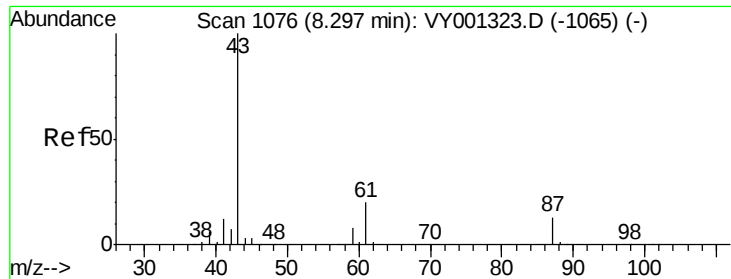
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#42
1,2-Dichloroethane
Concen: 45.084 ug/l
RT: 8.27 min Scan# 1072
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	62	Resp	122218
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.8





#43

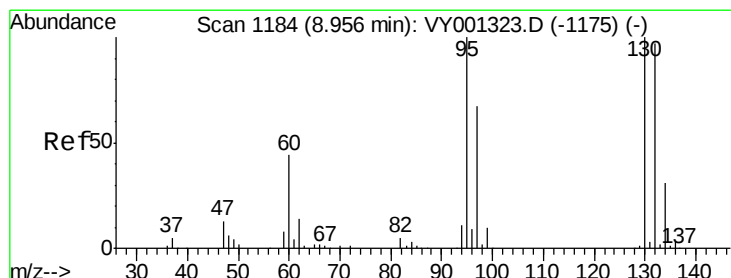
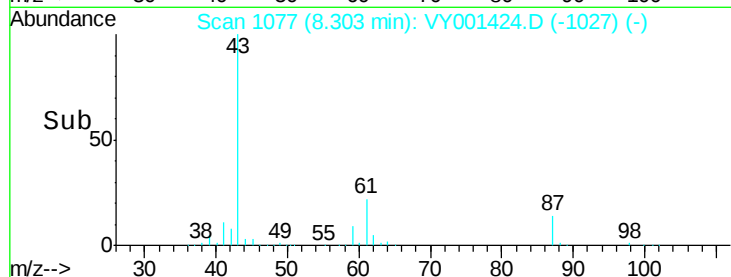
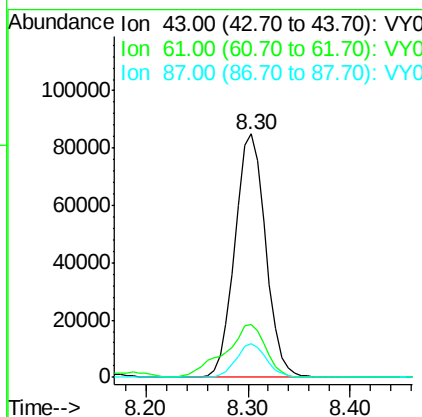
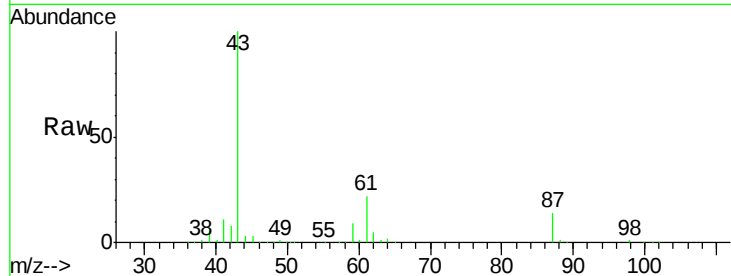
Isopropyl Acetate
 Concen: 45.962 ug/l
 RT: 8.30 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	22.7	34.1
87	13.7	11.0	16.4

Manual Integrations
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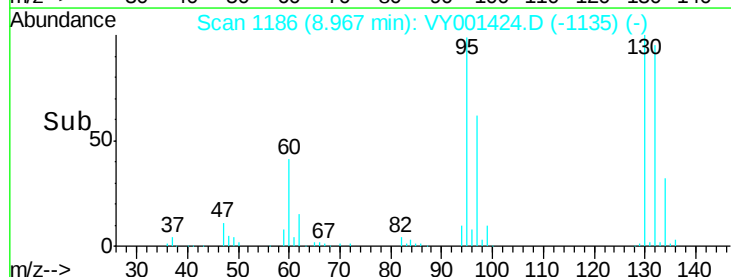
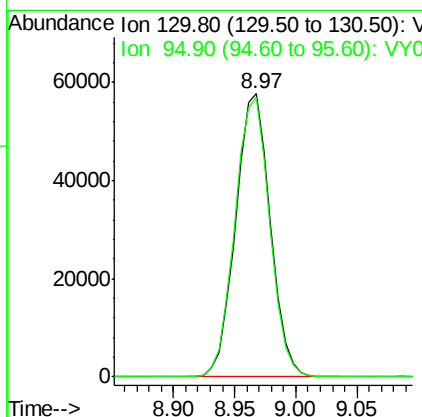
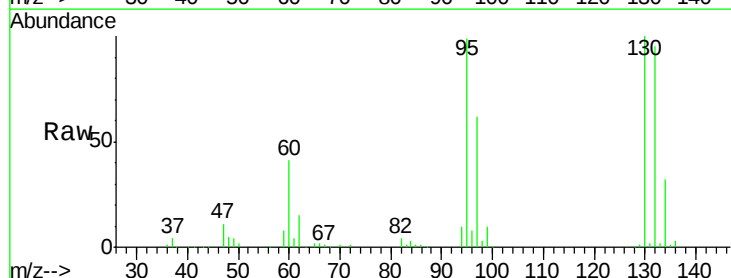
MMDadoda
 1/31/2020 4:26:16 PM

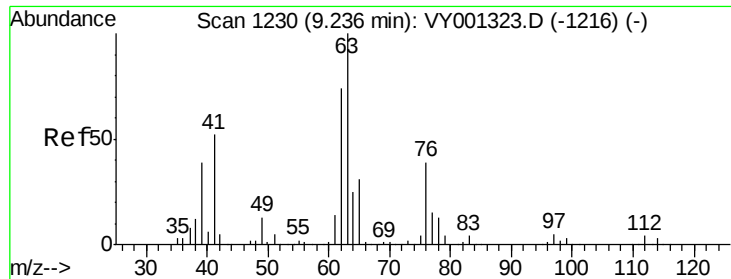


#44

Trichloroethene
 Concen: 45.418 ug/l
 RT: 8.97 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	200.0





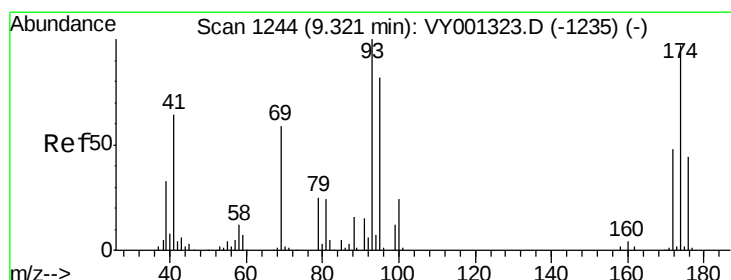
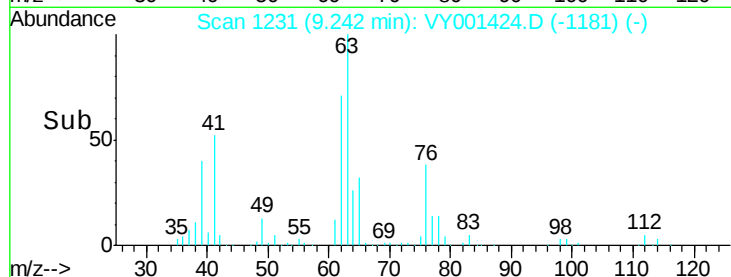
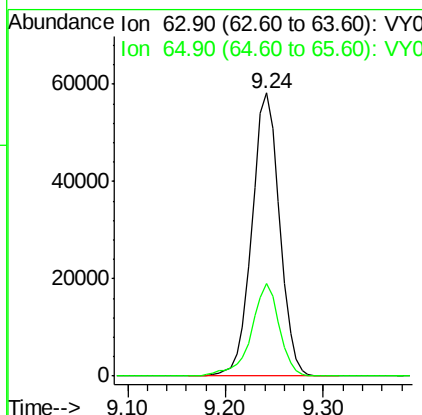
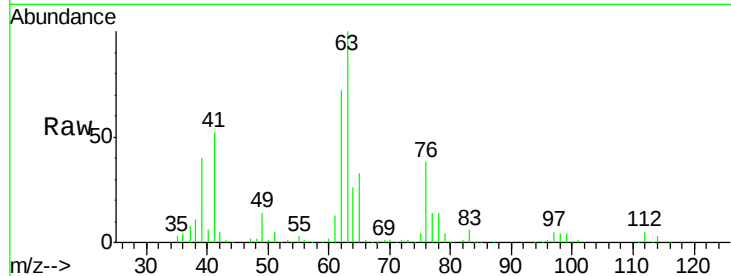
#45
 1,2-Dichloropropane
 Concen: 46.513 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 114077
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.9 37.3

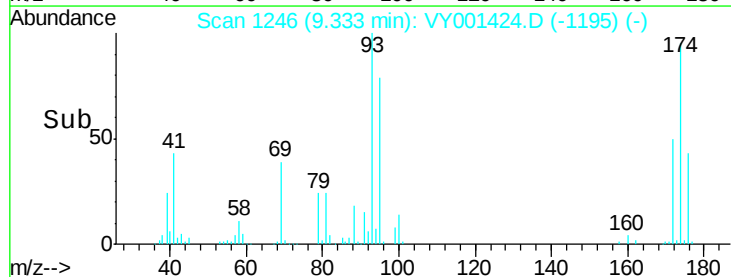
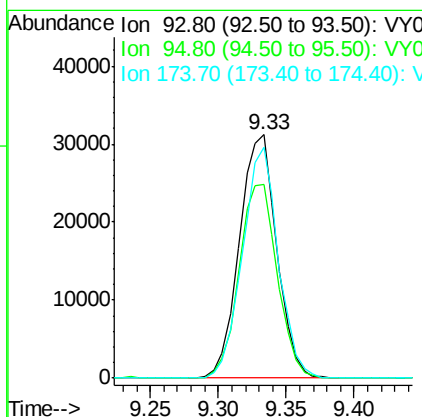
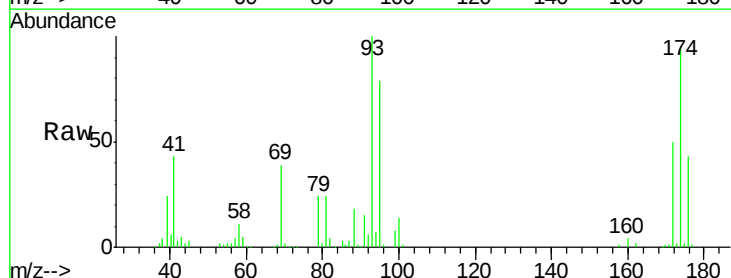
Manual Integrations
 APPROVED

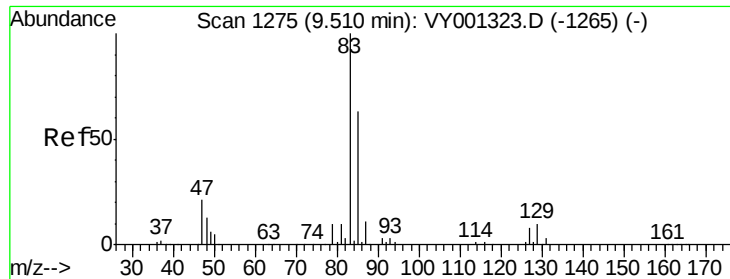
MMDadoda
 1/31/2020 4:26:16 PM



#46
 Dibromomethane
 Concen: 45.452 ug/l
 RT: 9.33 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion: 93 Resp: 59845
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.5 99.7
 174 91.0 77.9 116.9





#47

Bromodichloromethane

Concen: 45.745 ug/l

RT: 9.52 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

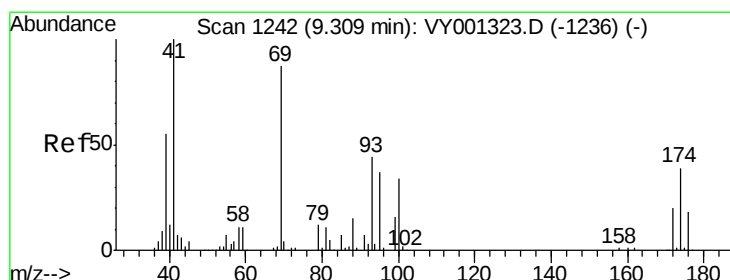
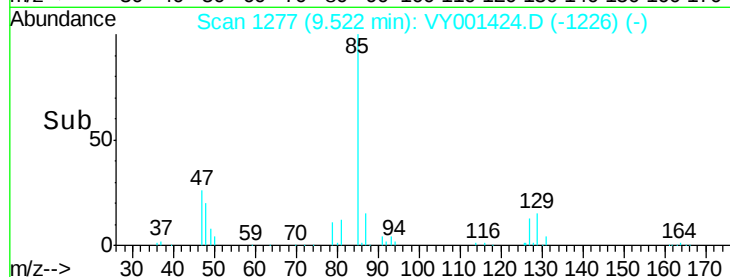
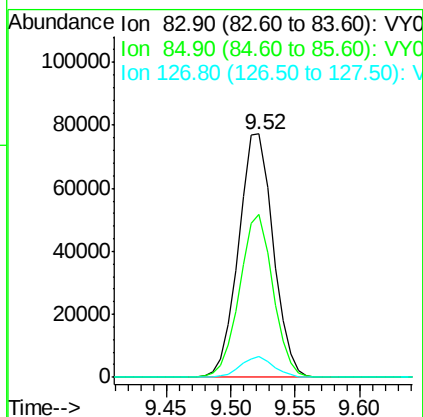
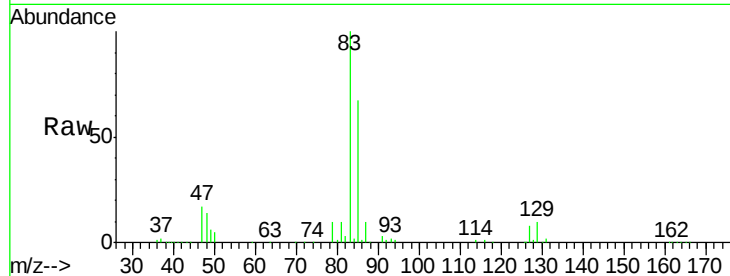
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	143986
Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.2	75.2
127	8.4	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.567 ug/l

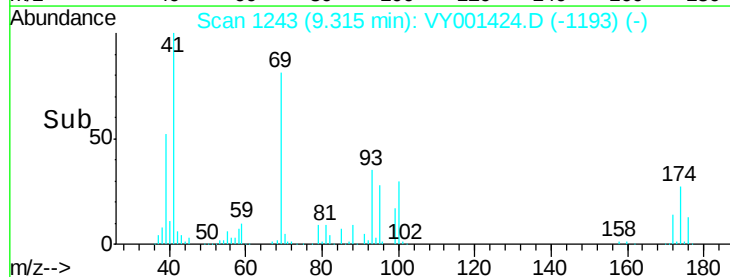
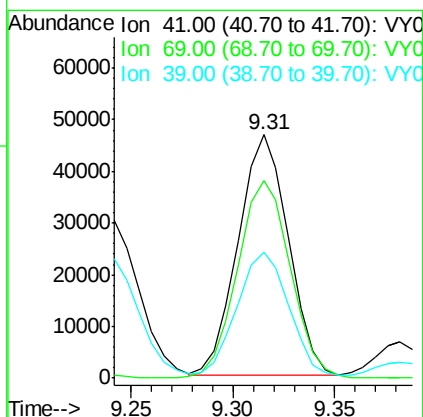
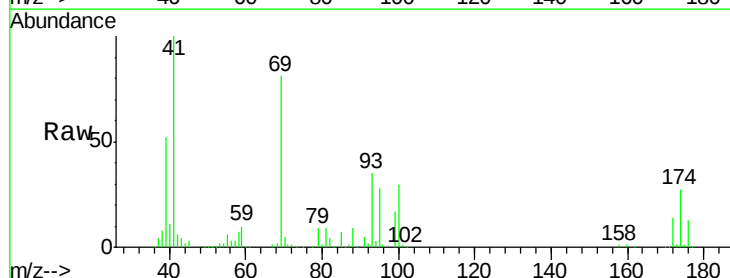
RT: 9.31 min Scan# 1243

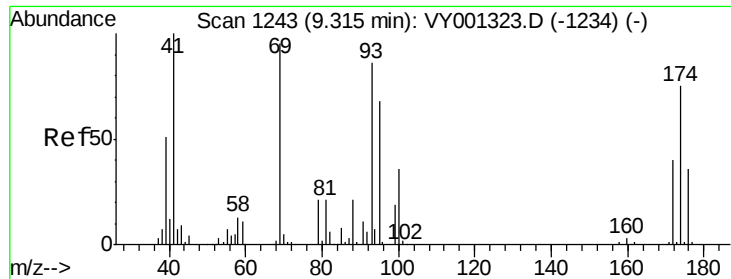
Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Tgt Ion:	41	Resp:	79629
Ion	Ratio	Lower	Upper
41	100		
69	86.6	70.2	105.4
39	55.4	45.7	68.5





#49

1,4-Dioxane

Concen: 840.221 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

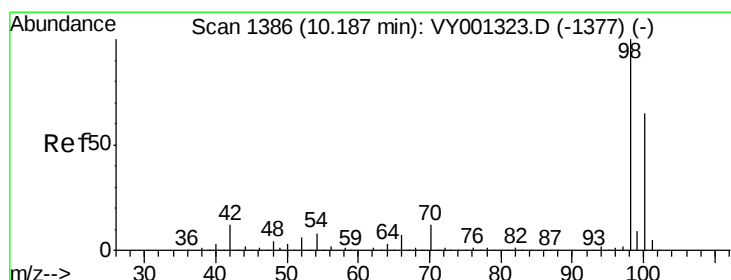
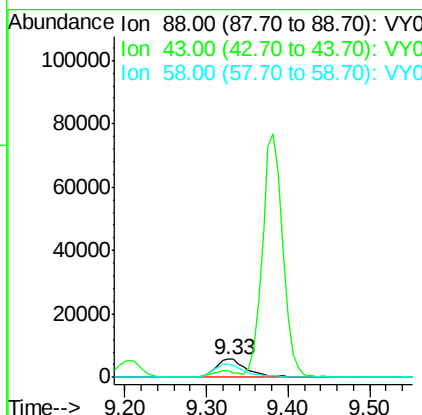
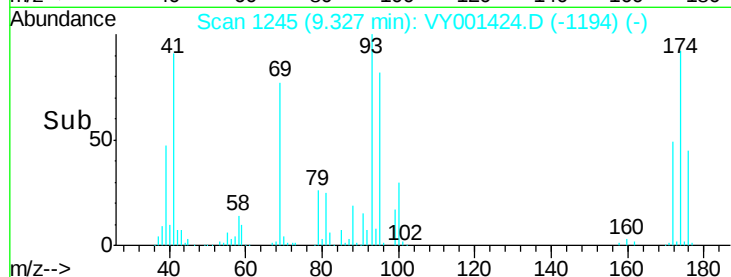
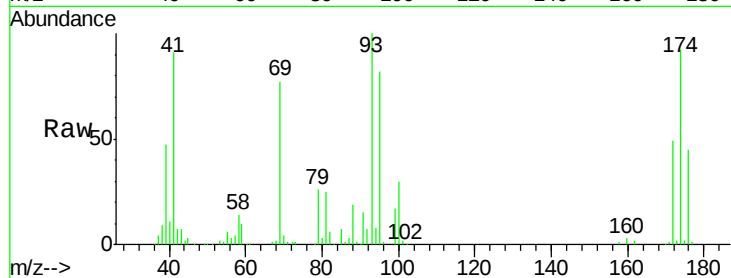
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	15601
Ion	Ratio	Lower	Upper
88	100		
43	29.9	28.2	42.2
58	73.9	55.6	83.4

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#50

Toluene-d8

Concen: 52.807 ug/l

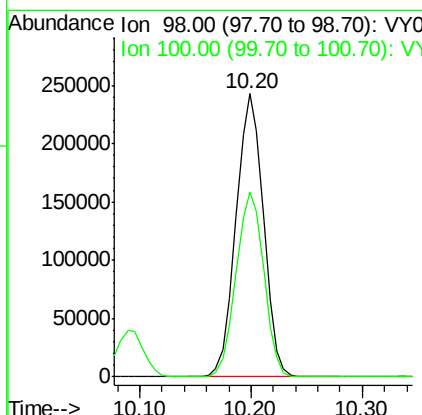
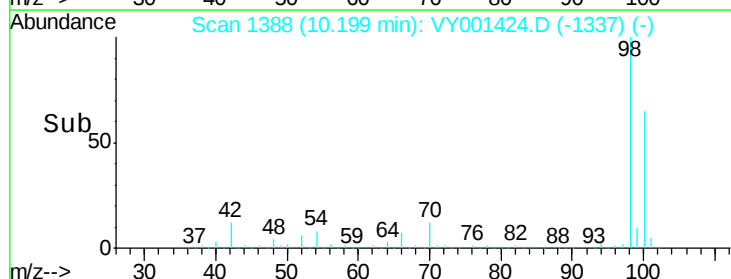
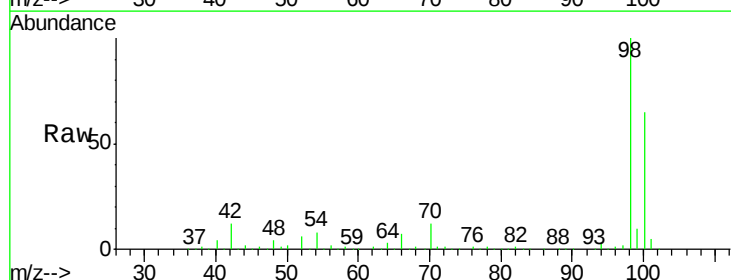
RT: 10.20 min Scan# 1388

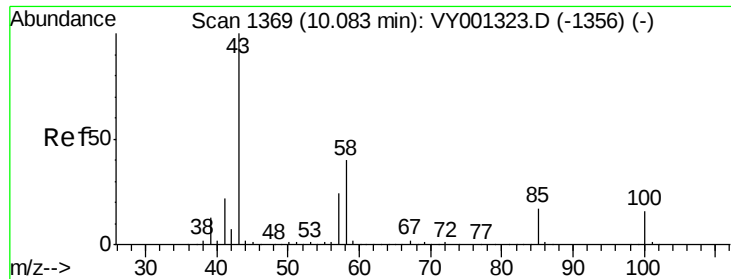
Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Tgt Ion:	98	Resp:	412404
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 228.890 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 453118

Ion Ratio Lower Upper

43 100

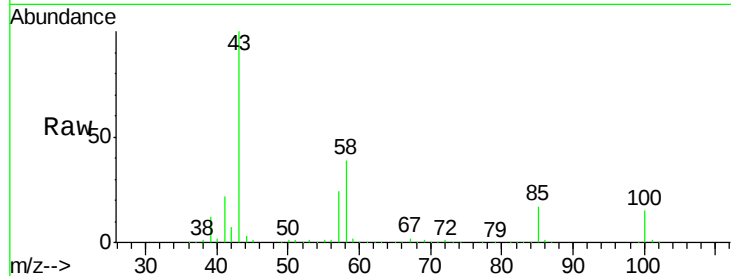
58 39.8 31.5 47.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY001323.D (-1356) (-)

Ion 58.00 (57.70 to 58.70): VY001323.D (-1356) (-)

10.09

250000

200000

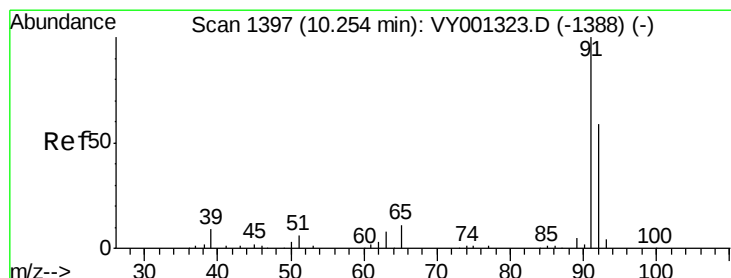
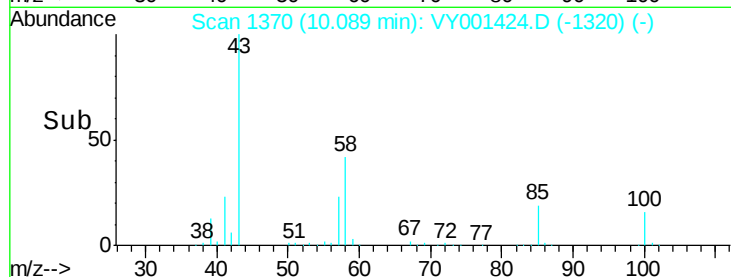
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 46.100 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001424.D

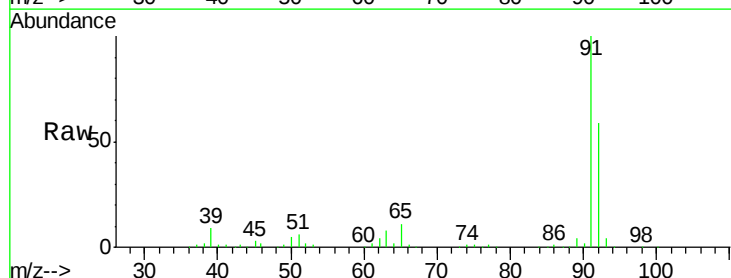
Acq: 30 Jan 2020 12:33

Tgt Ion: 92 Resp: 283517

Ion Ratio Lower Upper

92 100

91 171.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY001323.D (-1388) (-)

Ion 91.00 (90.70 to 91.70): VY001323.D (-1388) (-)

10.26

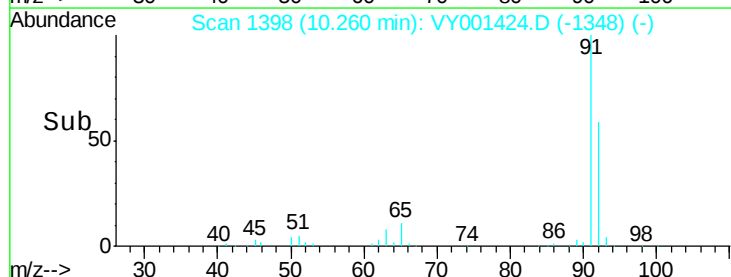
300000

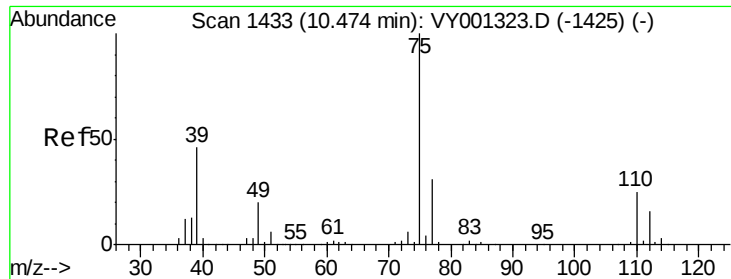
200000

100000

0

Time-->





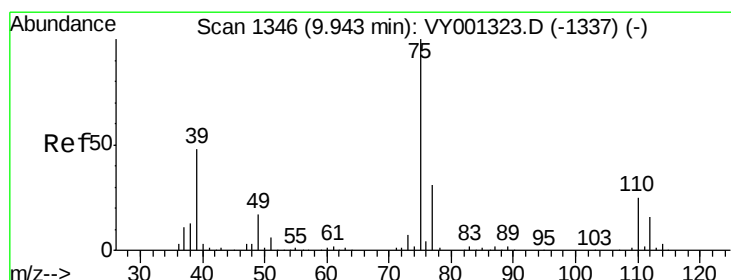
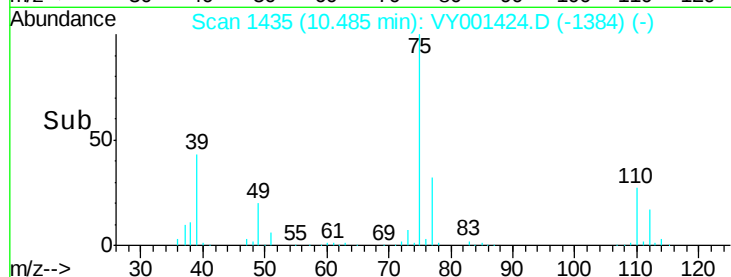
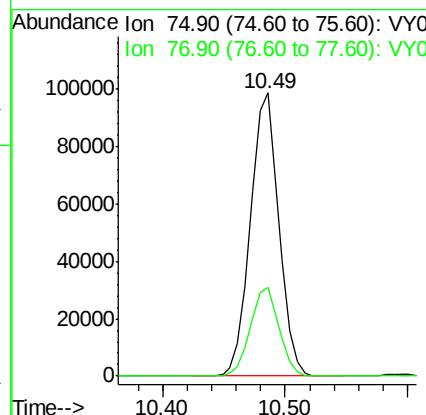
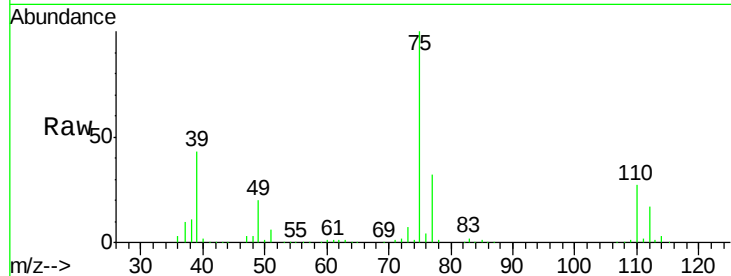
#53
t-1,3-Dichloropropene
Concen: 45.891 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 160103
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8

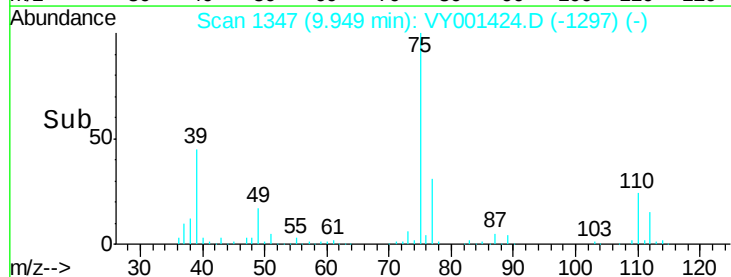
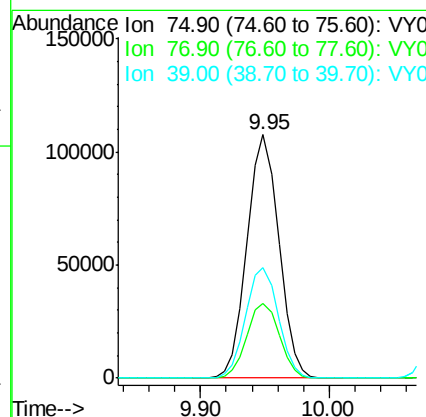
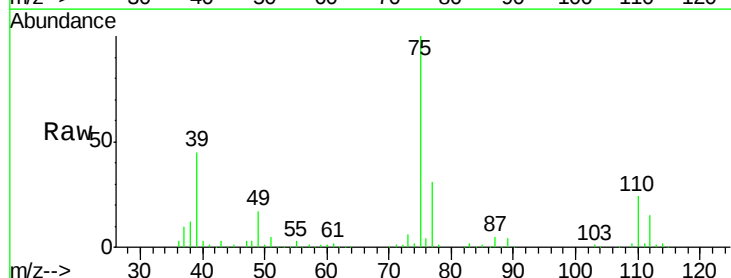
Manual Integrations
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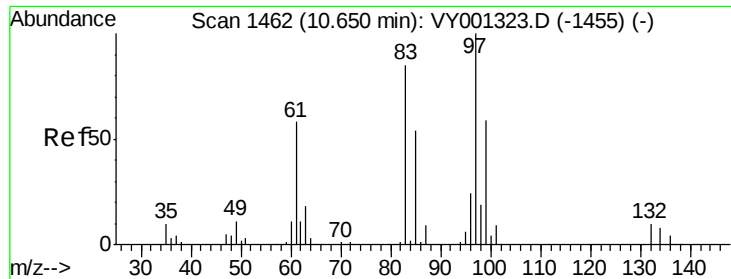
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 45.983 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion: 75 Resp: 184132
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.6
39 45.3 38.2 57.4





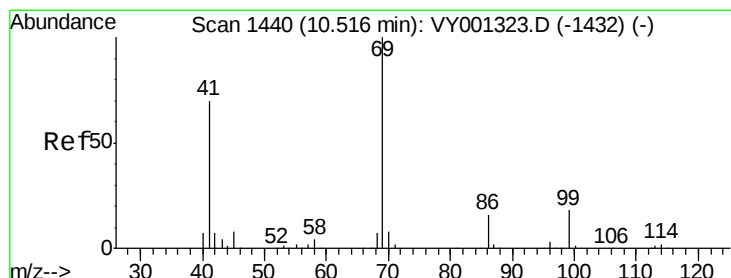
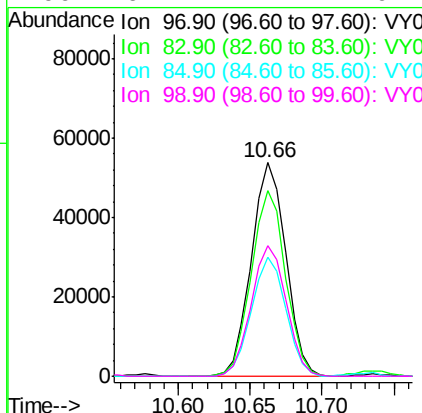
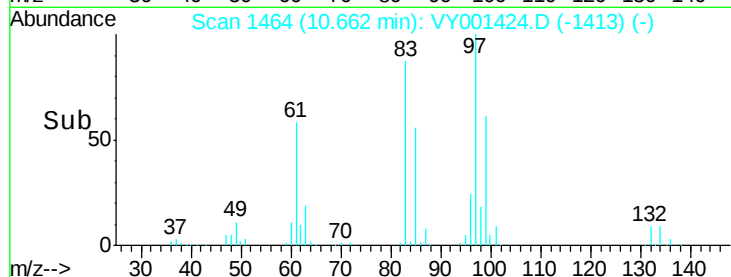
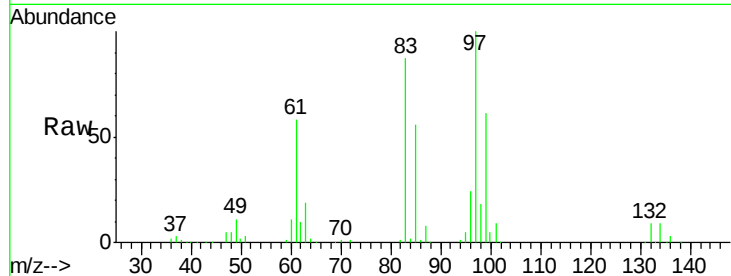
#55
 1,1,2-Trichloroethane
 Concen: 45.836 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	89078
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.0	102.0
85	55.6	43.6	65.4
99	61.2	47.1	70.7

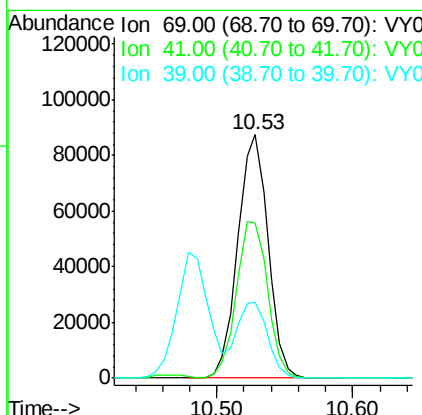
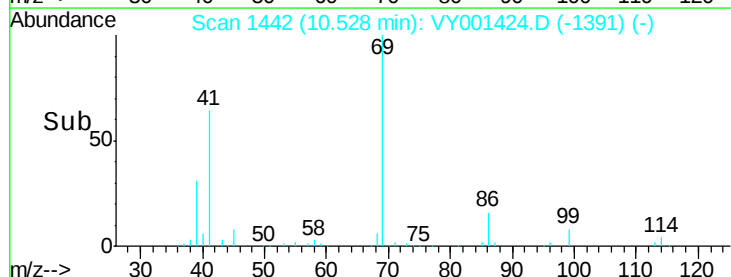
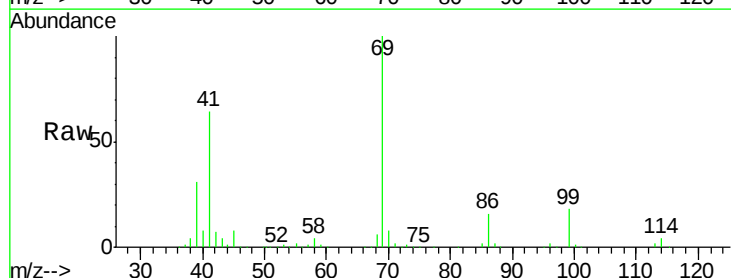
Manual Integrations
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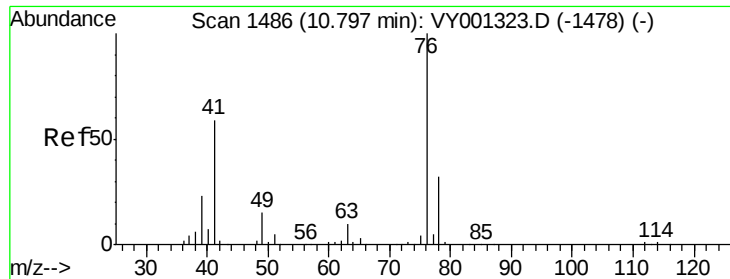
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 46.367 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion:	69	Resp:	136193
Ion	Ratio	Lower	Upper
69	100		
41	66.4	54.1	81.1
39	32.1	26.8	40.2





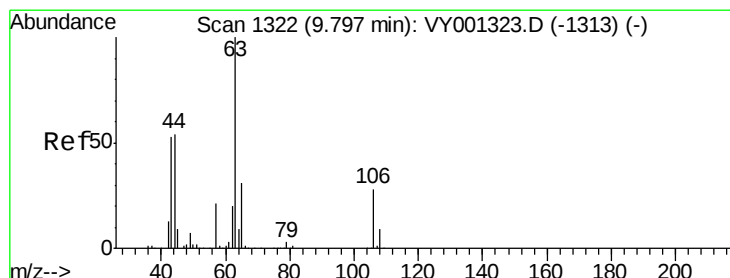
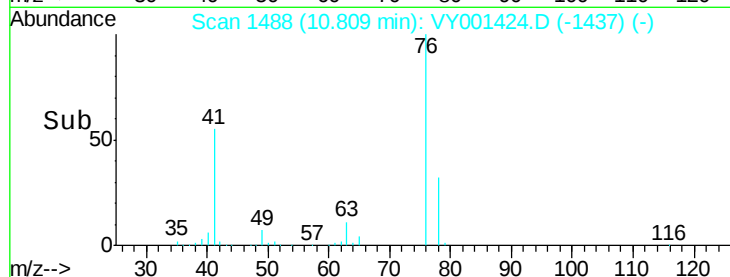
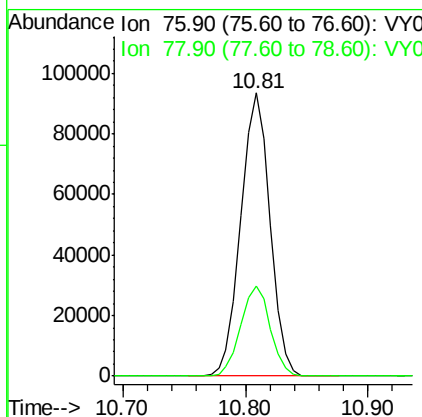
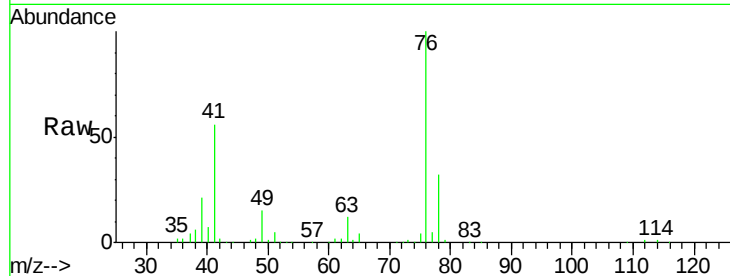
#57
 1,3-Dichloropropane
 Concen: 45.745 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 154865
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

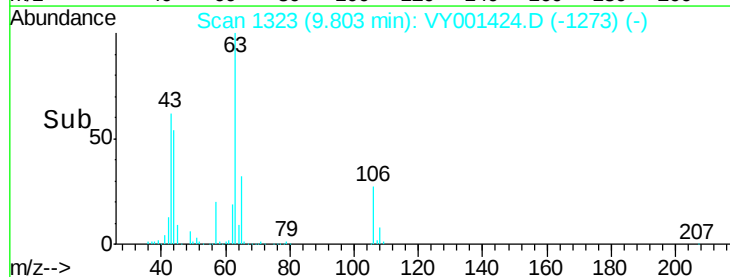
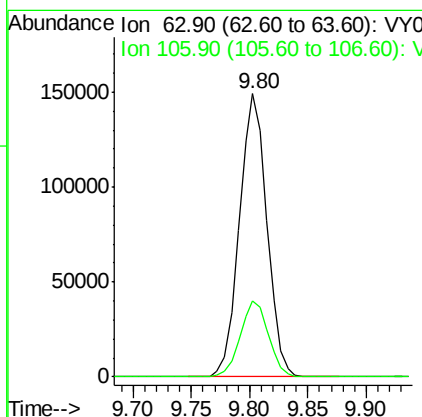
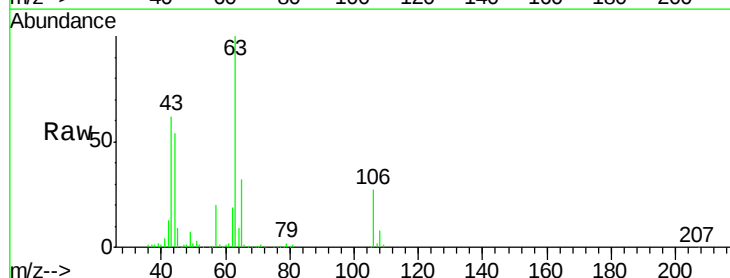
Manual Integrations
 APPROVED

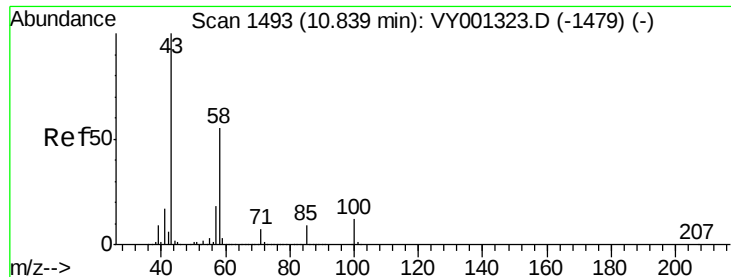
MMDadoda
 1/31/2020 4:26:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.972 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion: 63 Resp: 244925
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.5 33.7





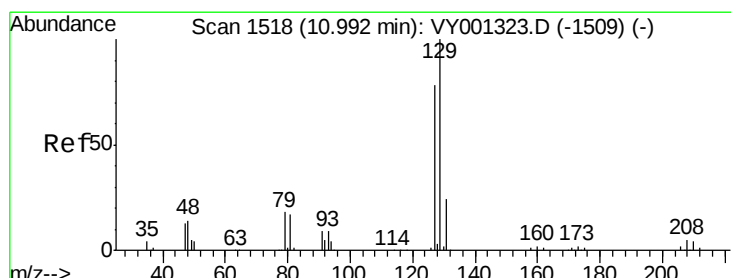
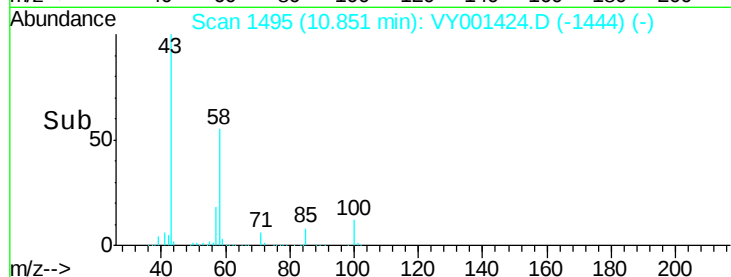
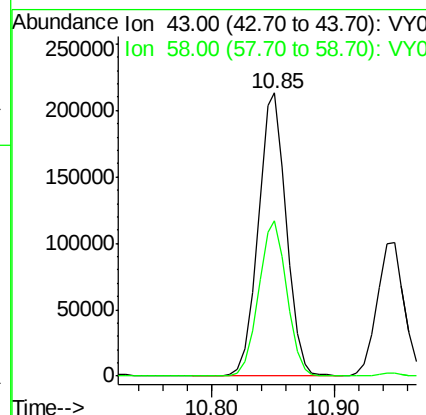
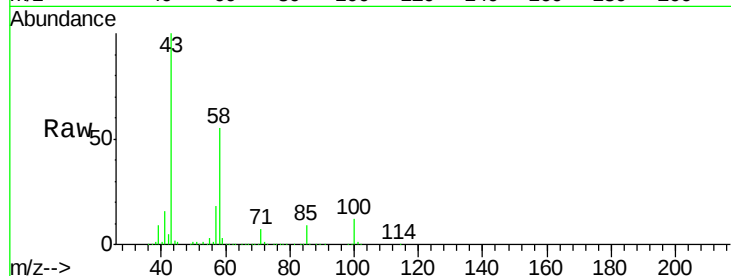
#59
2-Hexanone
Concen: 246.300 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	339441
Ion Ratio	Lower	Upper	
43	100		
58	55.0	27.6	82.8

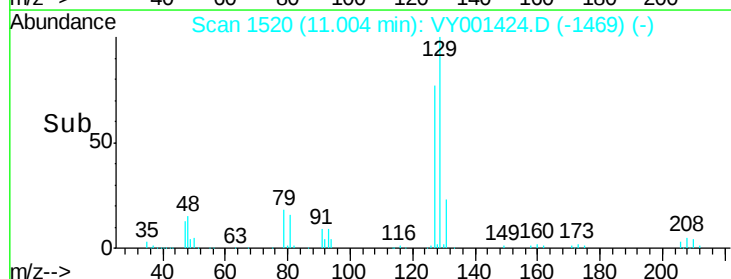
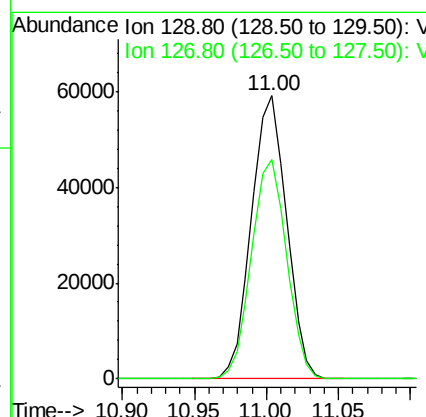
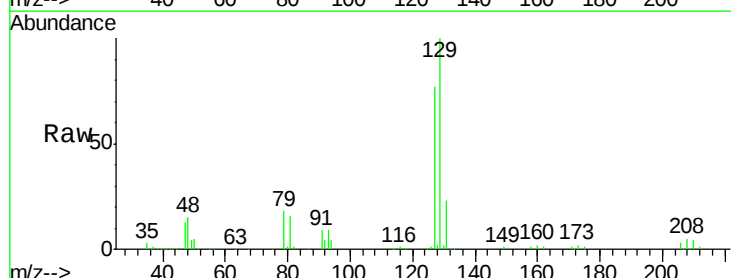
Manual Integrations
APPROVED

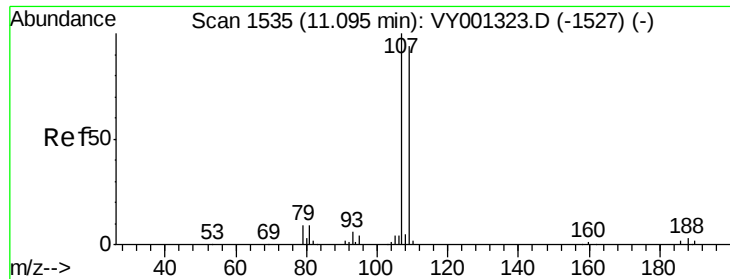
MMDadoda
1/31/2020 4:26:16 PM



#60
Dibromochloromethane
Concen: 45.992 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	129	Resp	99967
Ion Ratio	Lower	Upper	
129	100		
127	77.5	38.8	116.4





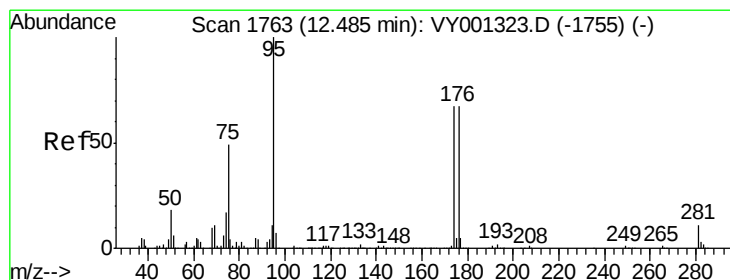
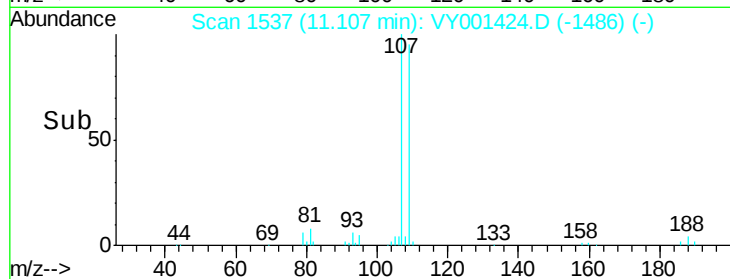
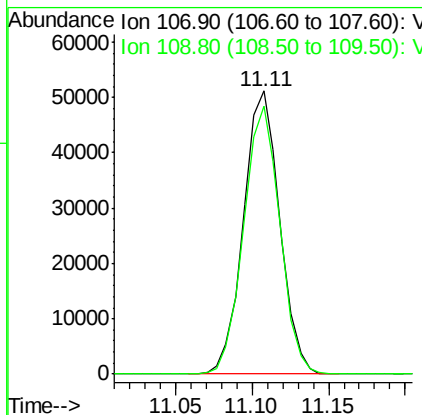
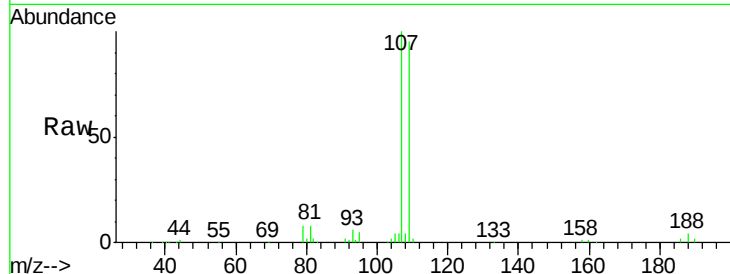
#61
 1,2-Dibromoethane
 Concen: 45.869 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 84271
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.6

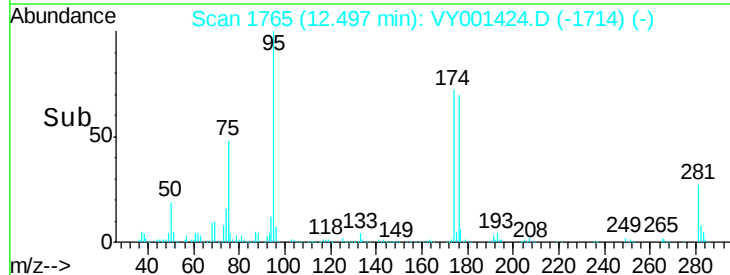
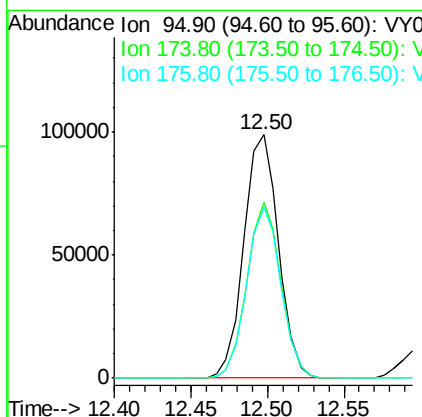
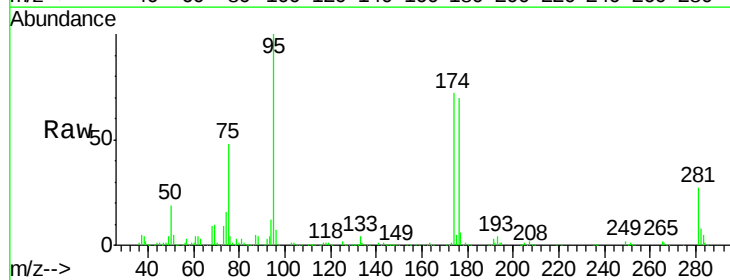
Manual Integrations
 APPROVED

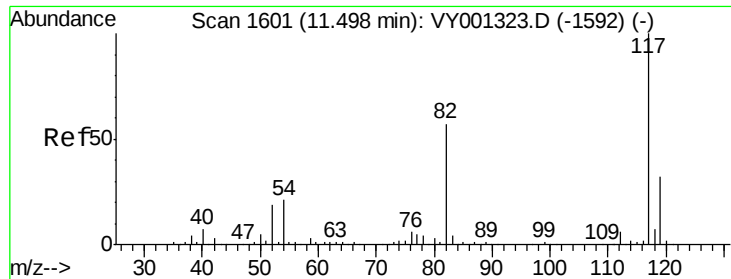
MMDadoda
 1/31/2020 4:26:16 PM



#62
 4-Bromofluorobenzene
 Concen: 49.912 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion: 95 Resp: 155231
 Ion Ratio Lower Upper
 95 100
 174 70.9 0.0 142.0
 176 69.3 0.0 138.6





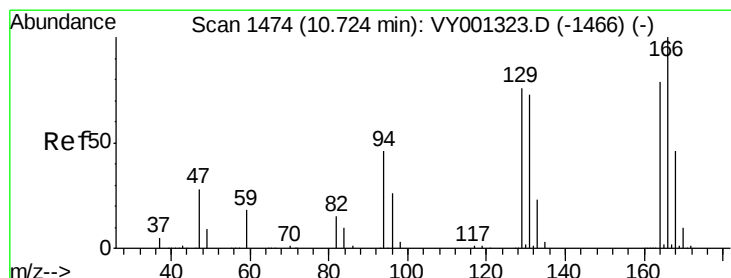
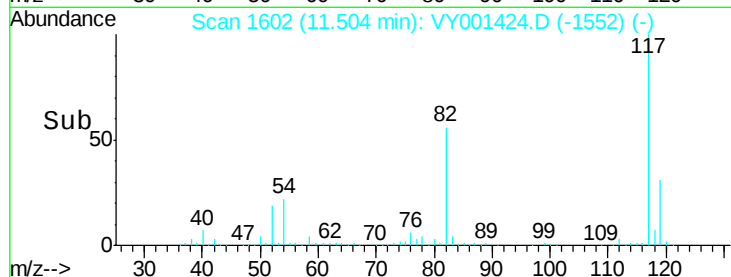
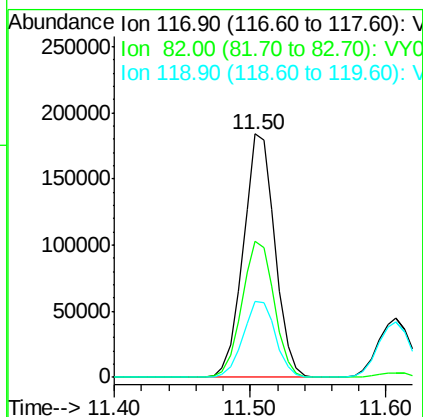
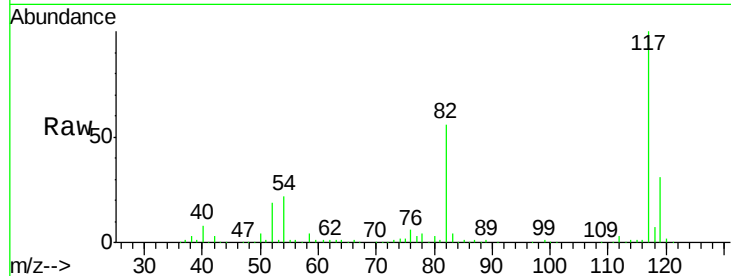
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.5	68.3
119	31.2	25.8	38.6

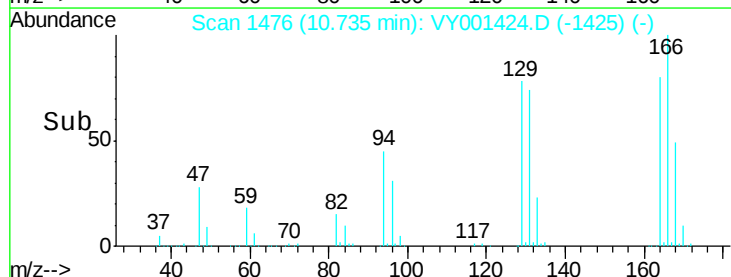
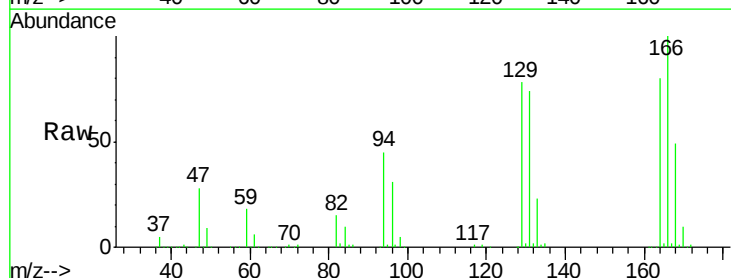
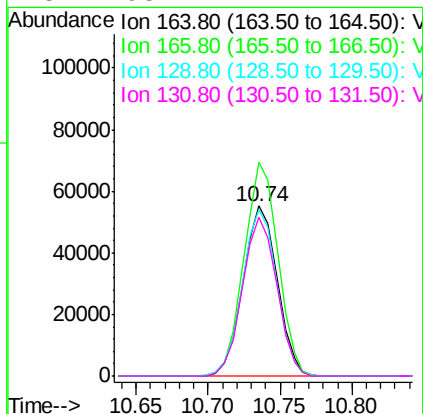
Manual Integrations
APPROVED

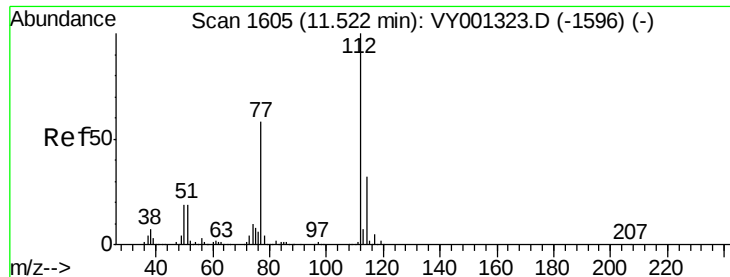
MMDadoda
1/31/2020 4:26:16 PM



#64
Tetrachloroethene
Concen: 47.783 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	101.8	152.8
129	98.3	77.1	115.7
131	93.7	74.2	111.2





#65

Chlorobenzene

Concen: 46.993 ug/l

RT: 11.53 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 294890

Ion Ratio Lower Upper

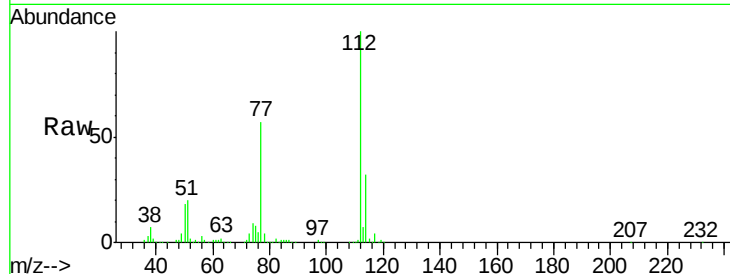
112 100

114 31.8 25.8 38.6

Manual Integrations
APPROVED

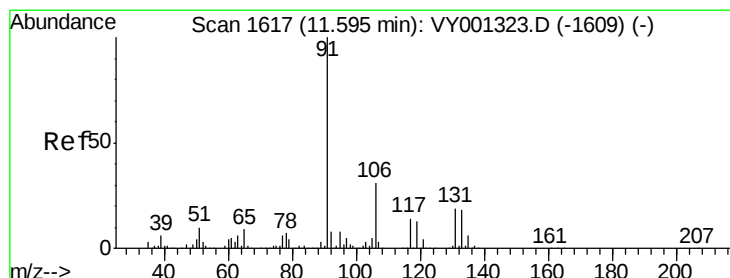
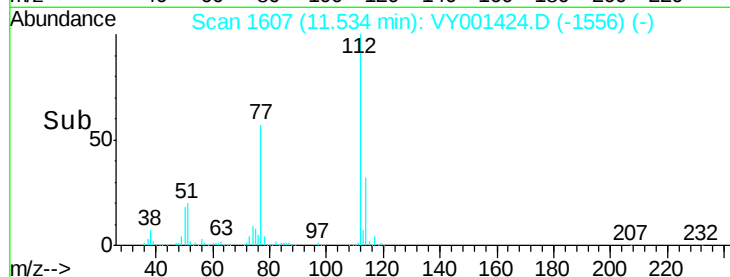
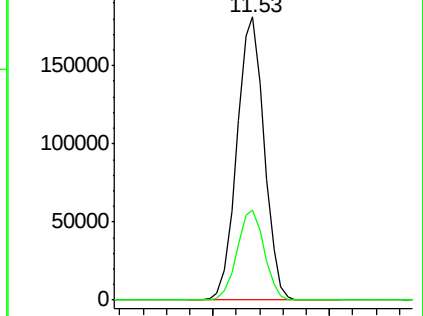
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.648 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

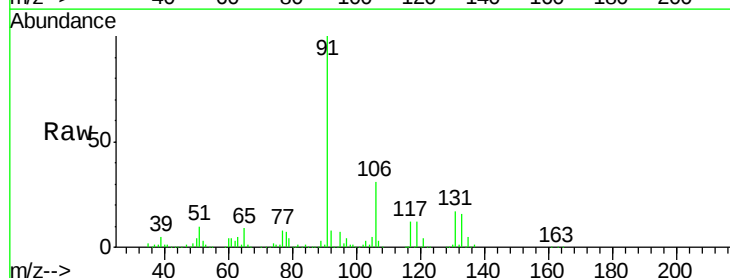
Tgt Ion:131 Resp: 102038

Ion Ratio Lower Upper

131 100

133 95.1 47.1 141.3

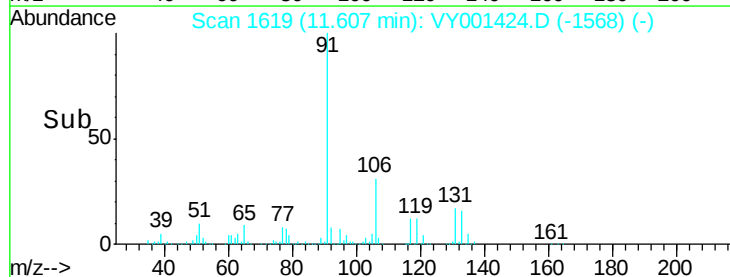
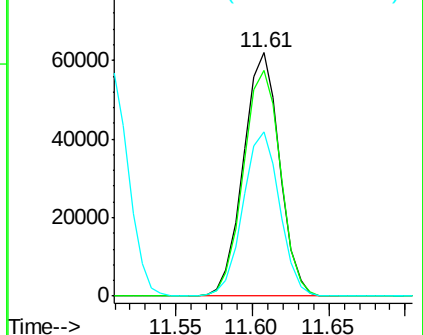
119 68.0 34.1 102.2

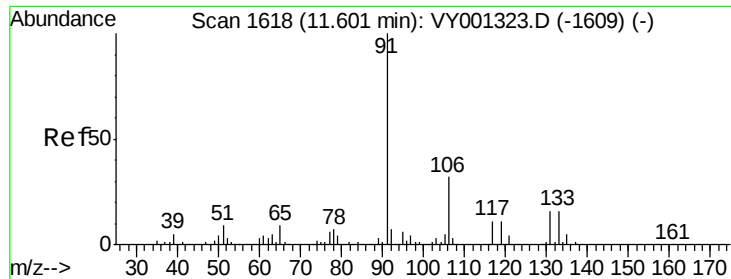


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





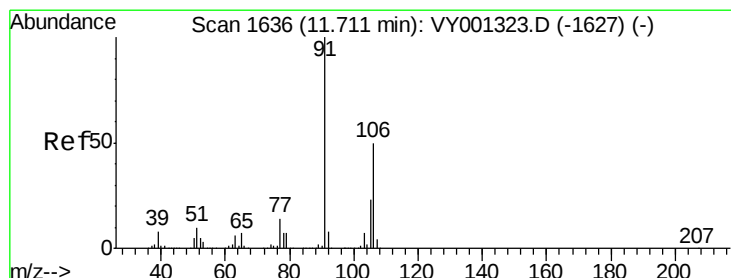
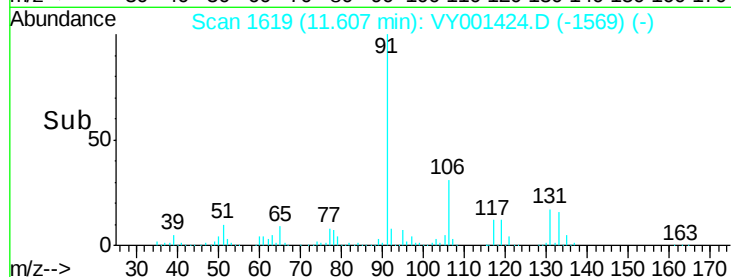
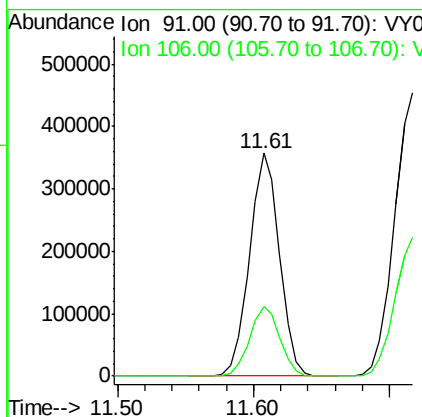
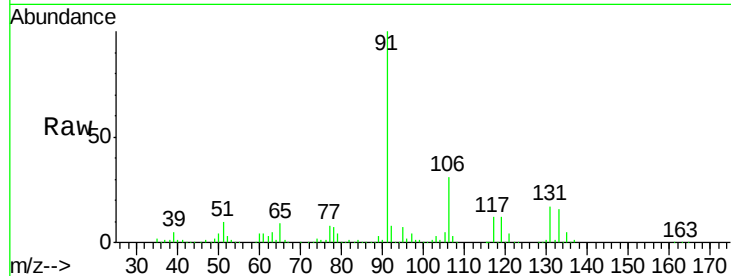
#67
Ethyl Benzene
Concen: 47.535 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 549712
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

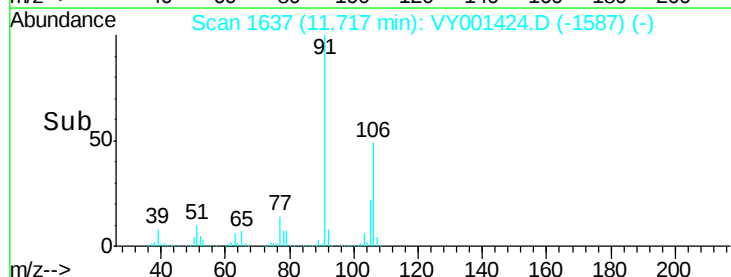
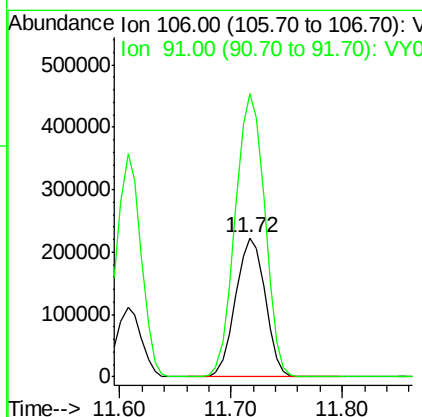
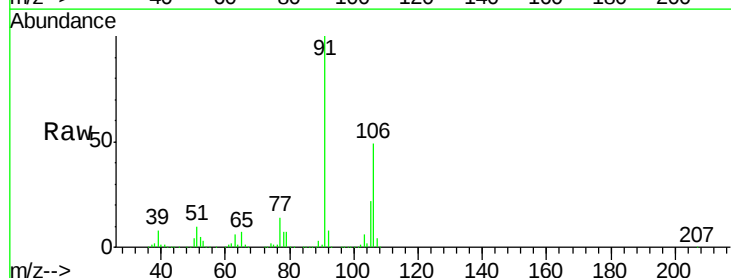
Manual Integrations
APPROVED

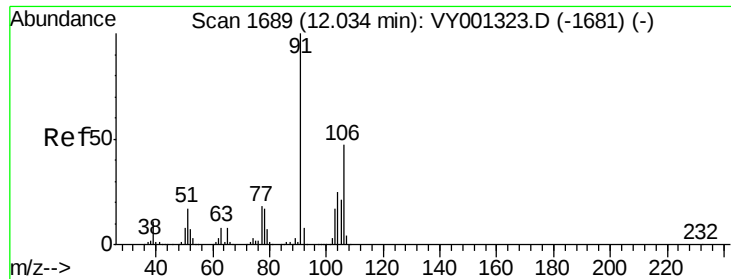
MMDadoda
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#68
m/p-Xylenes
Concen: 95.029 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion: 106 Resp: 410446
Ion Ratio Lower Upper
106 100
91 203.3 162.8 244.2





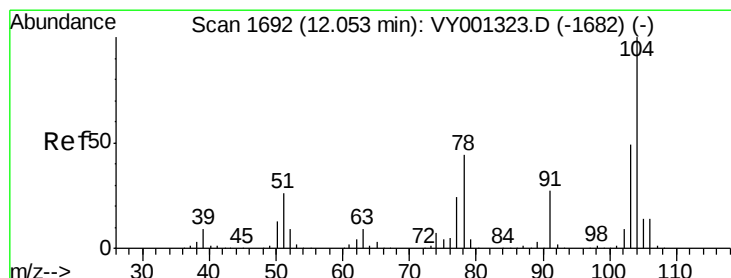
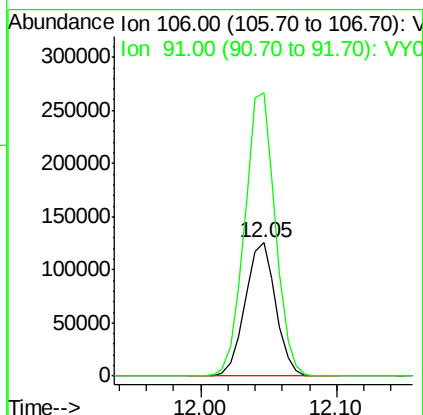
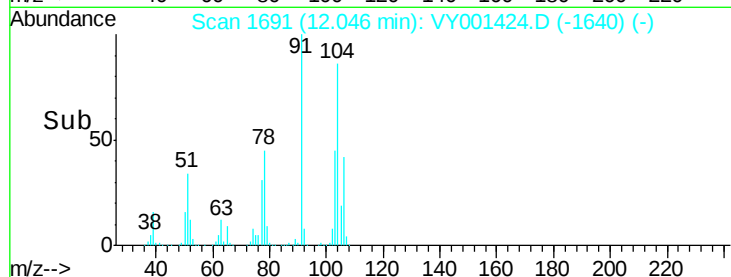
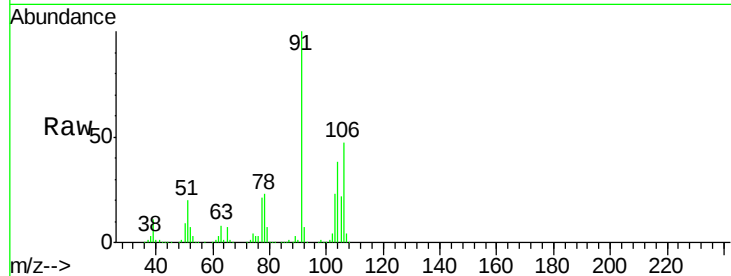
#69
o-Xylene
Concen: 47.374 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 196841
Ion Ratio Lower Upper
106 100
91 212.9 106.3 319.0

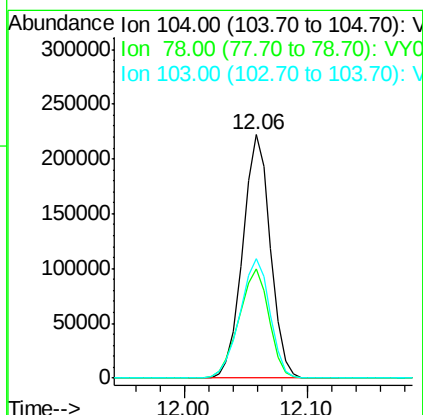
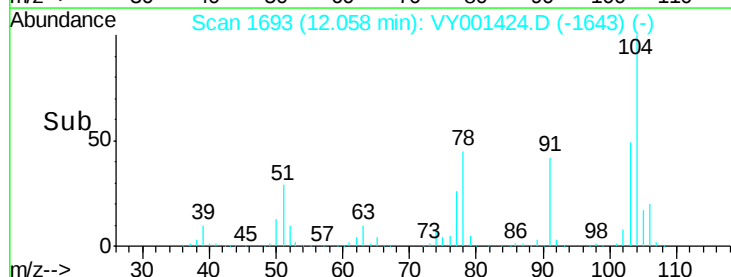
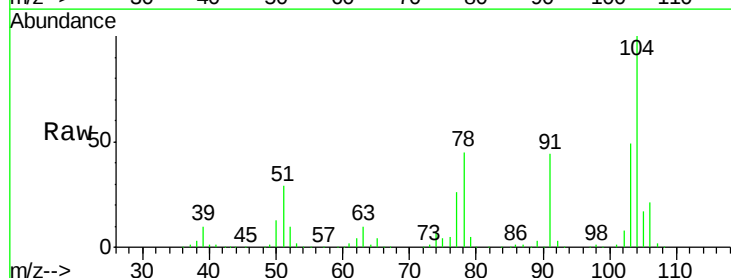
Manual Integrations
APPROVED

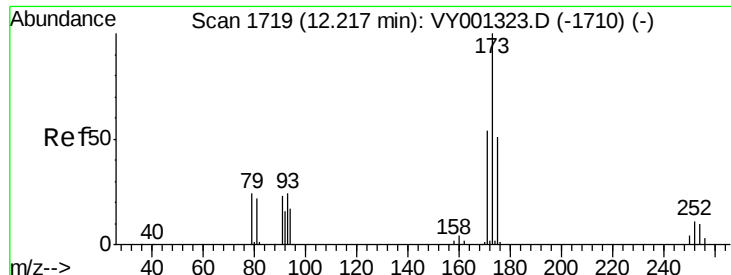
MMDadoda
1/31/2020 4:26:16 PM



#70
Styrene
Concen: 47.562 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion:104 Resp: 346733
Ion Ratio Lower Upper
104 100
78 49.0 39.8 59.8
103 53.4 43.2 64.8





#71

Bromoform

Concen: 46.662 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 59650

Ion Ratio Lower Upper

173 100

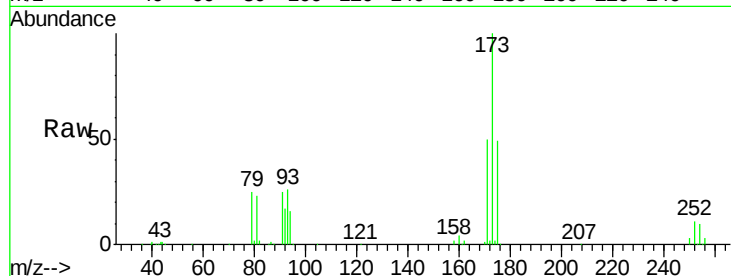
175 48.8 24.3 72.9

254 0.1 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

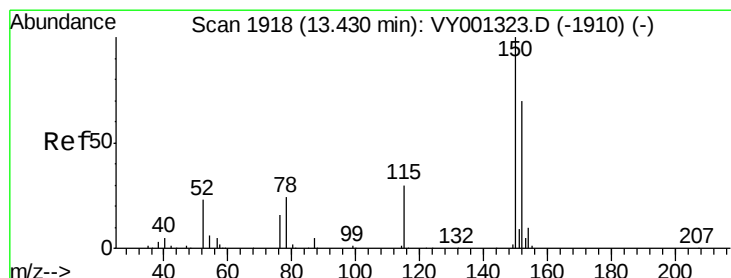
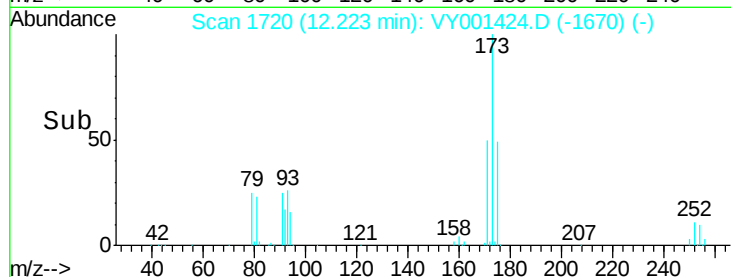
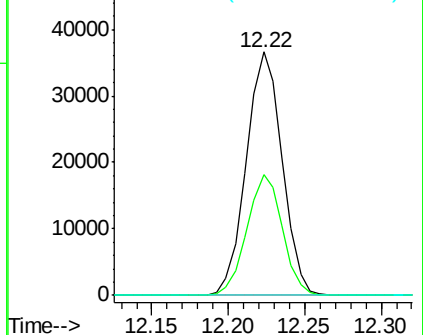
1/31/2020 4:26:16 PM



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: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

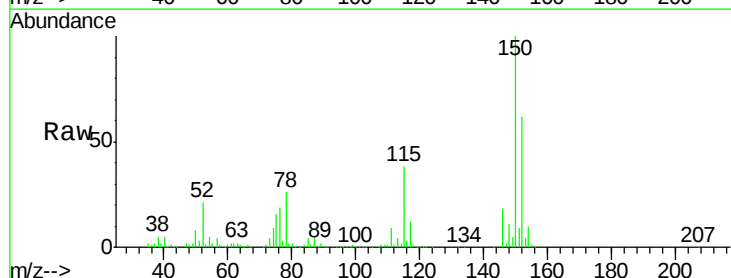
Tgt Ion:152 Resp: 141942

Ion Ratio Lower Upper

152 100

115 61.7 30.9 92.8

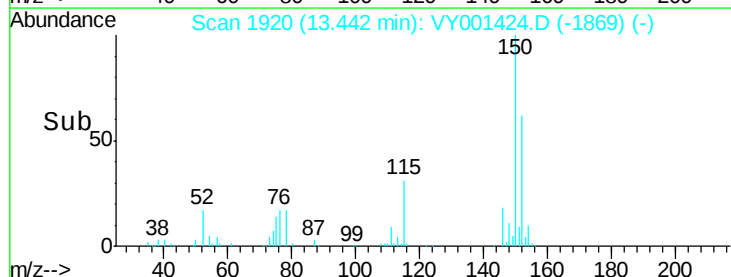
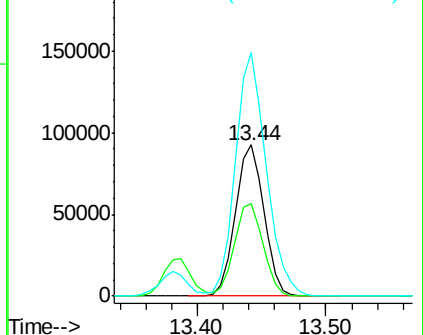
150 174.3 0.0 349.2

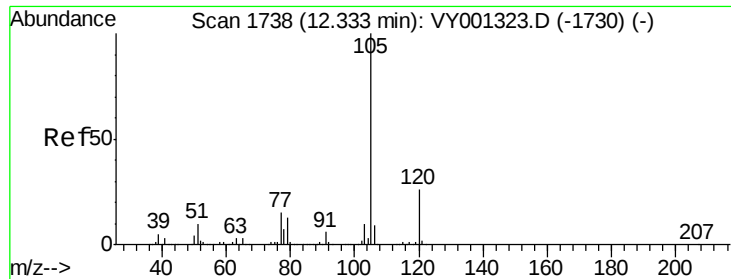


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





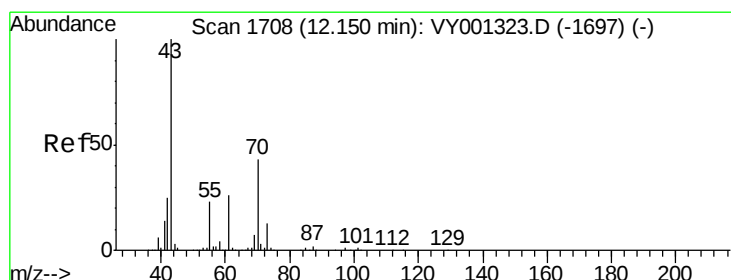
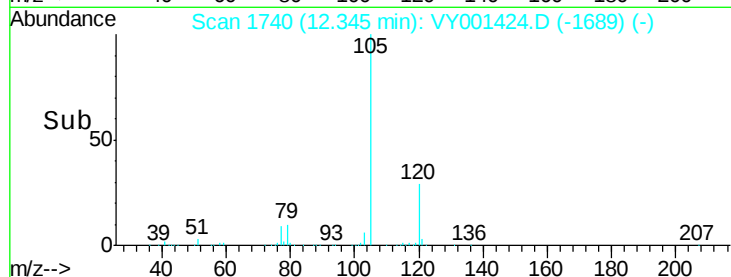
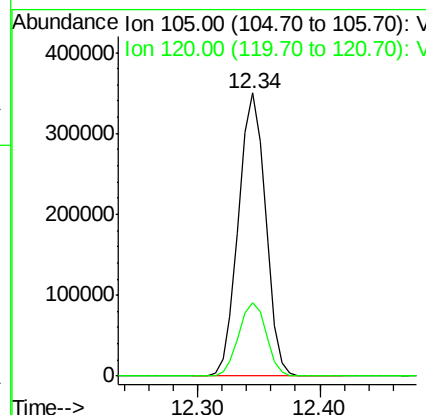
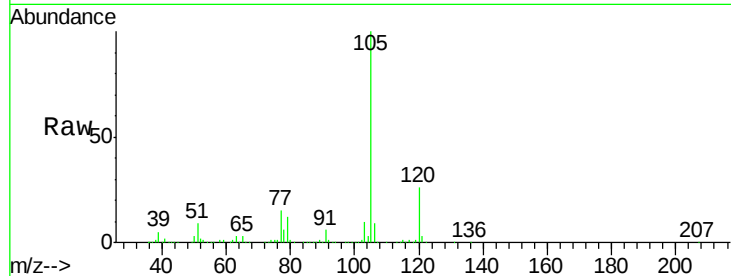
#73
Isopropylbenzene
Concen: 47.804 ug/l
RT: 12.34 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.4

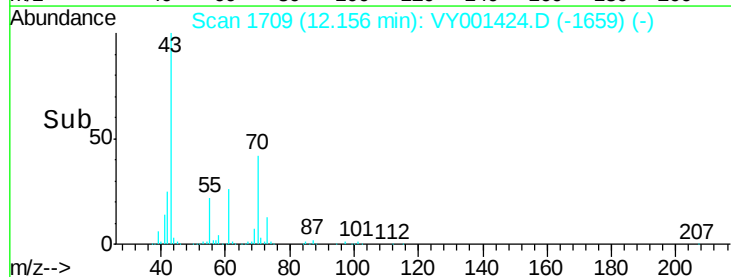
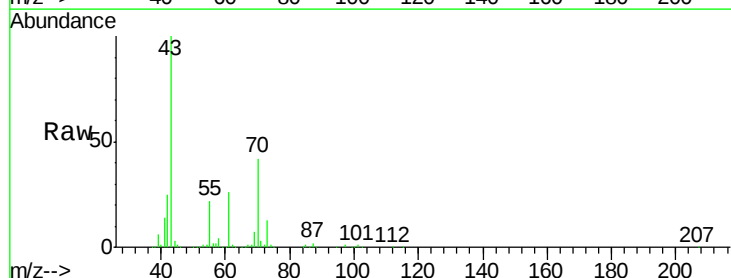
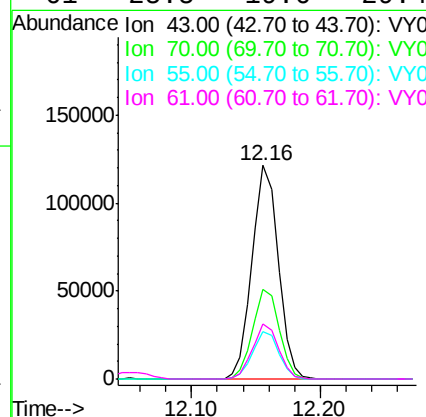
Manual Integrations
APPROVED

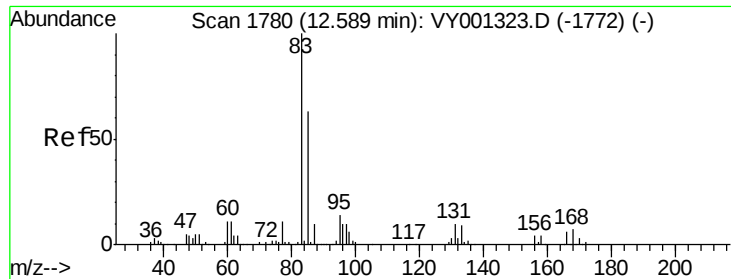
MMDadoda
1/31/2020 4:26:16 PM



#74
N-ethyl acetate
Concen: 46.489 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.7	33.5	50.3
55	22.4	18.2	27.2
61	25.5	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.733 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

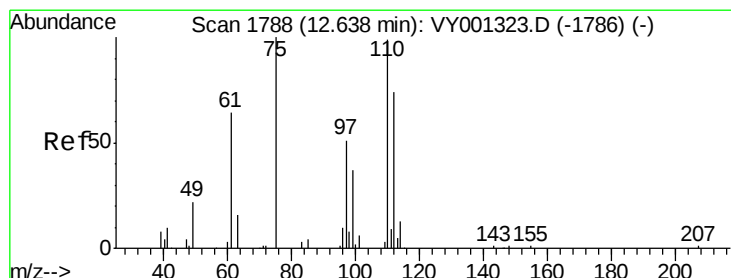
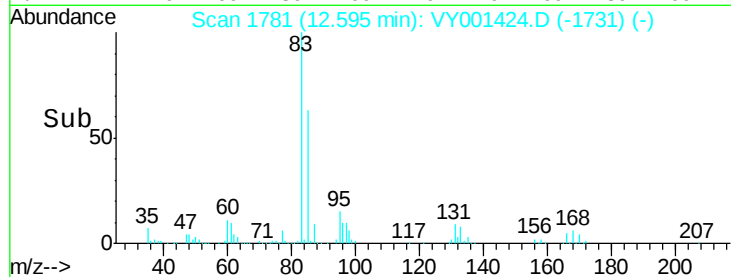
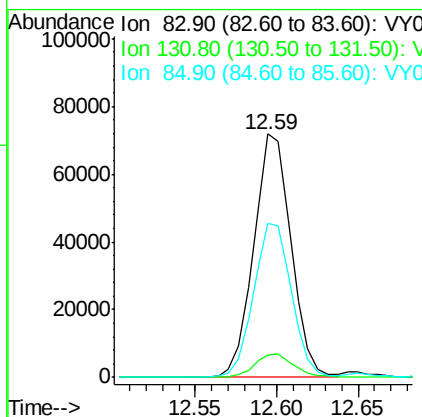
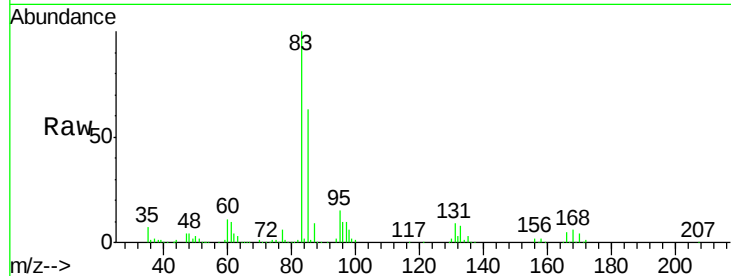
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	114497
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.1	31.4	94.3

Manual Integrations
APPROVED

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1/31/2020 4:26:16 PM



#76

1,2,3-Trichloropropane

Concen: 42.659 ug/l m

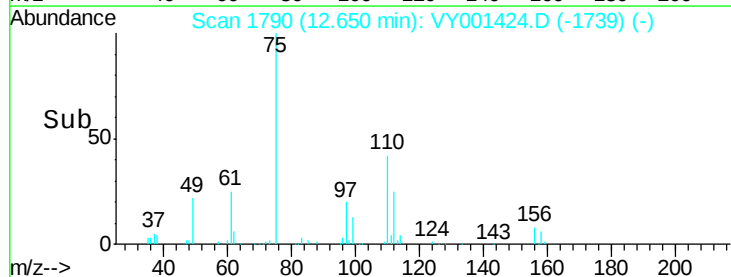
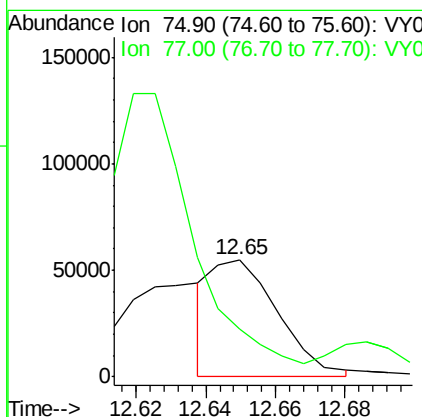
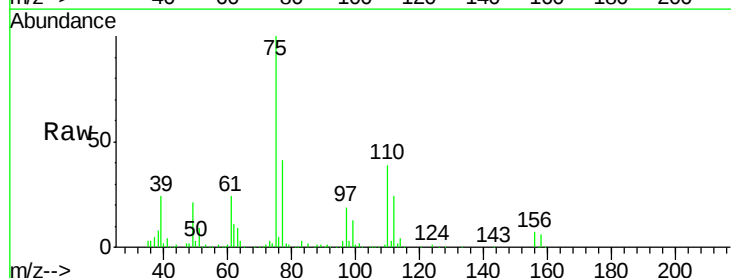
RT: 12.65 min Scan# 1790

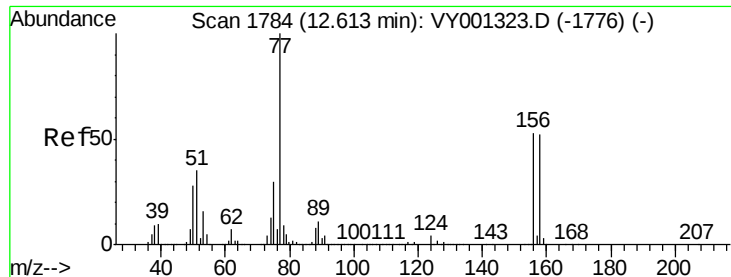
Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Tgt Ion:	75	Resp:	72965
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.694 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

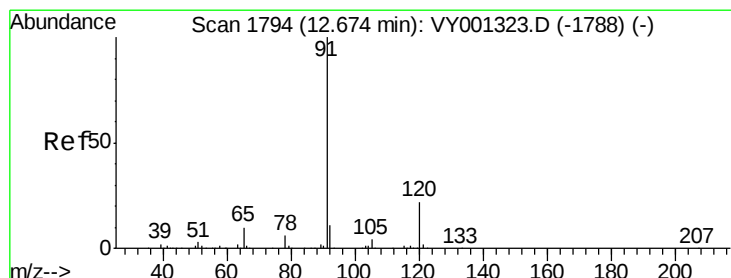
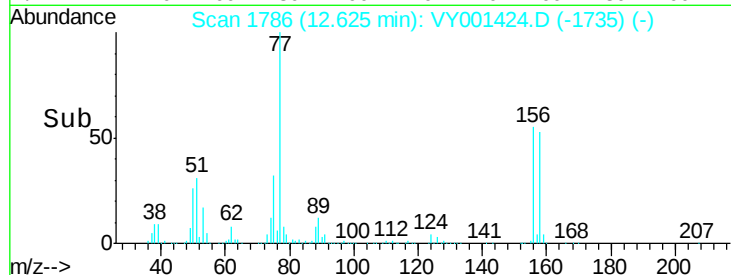
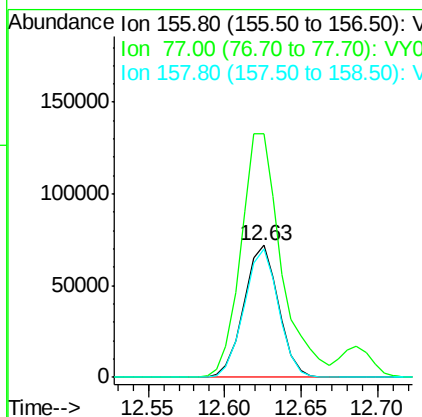
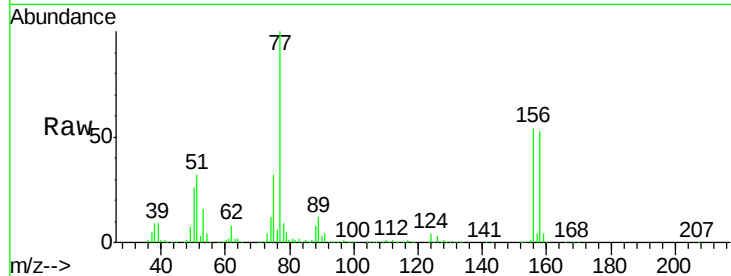
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	214.6	104.7	313.9
158	96.7	48.6	145.8

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#78

n-propylbenzene

Concen: 48.725 ug/l

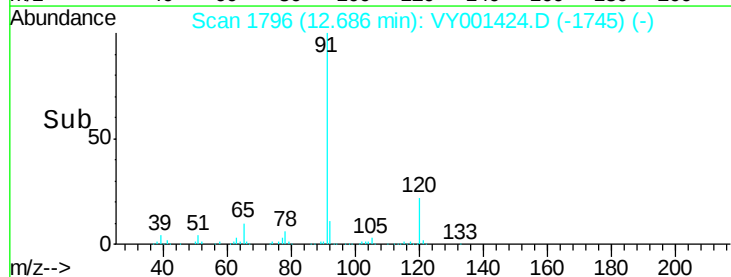
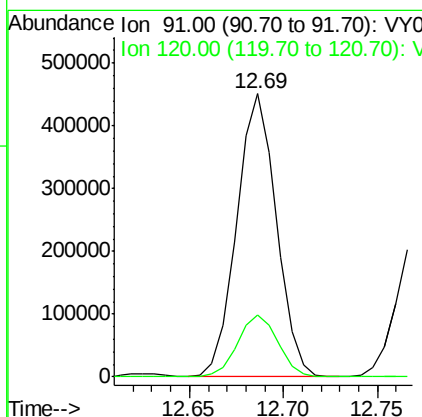
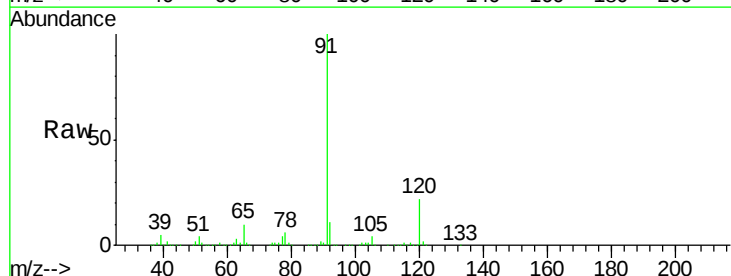
RT: 12.69 min Scan# 1796

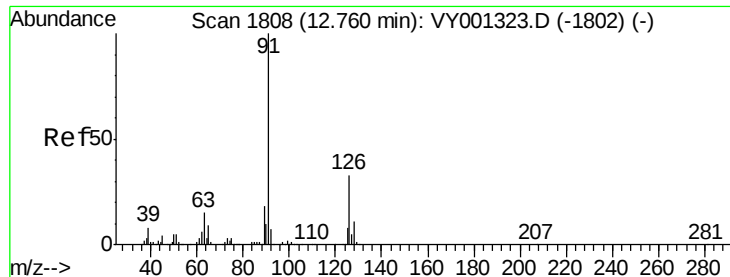
Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.8





#79

2-Chlorotoluene

Concen: 47.192 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 363454

Ion Ratio Lower Upper

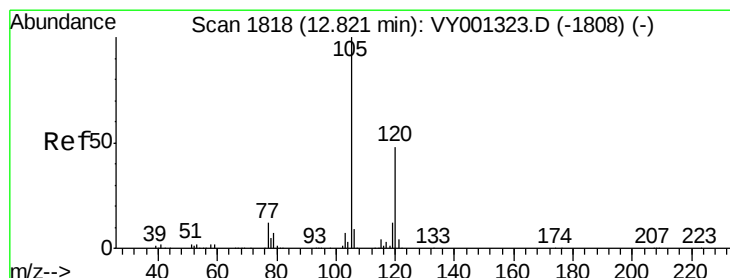
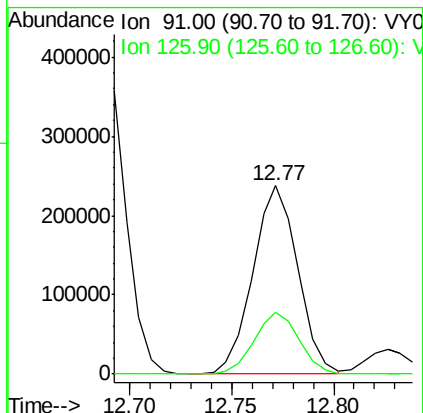
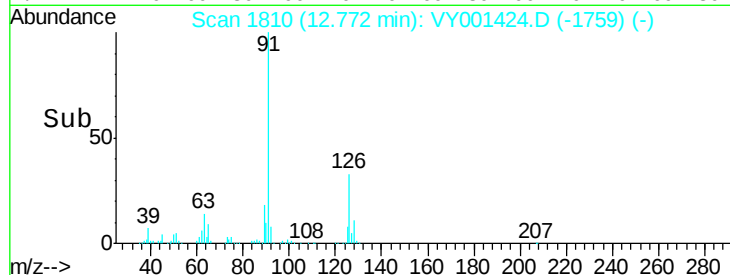
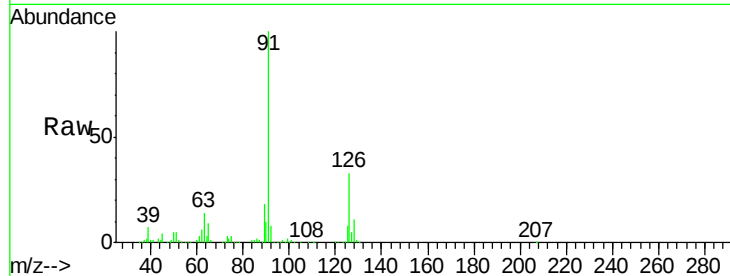
91 100

126 32.9 16.6 49.7

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#80

1,3,5-Trimethylbenzene

Concen: 47.117 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001424.D

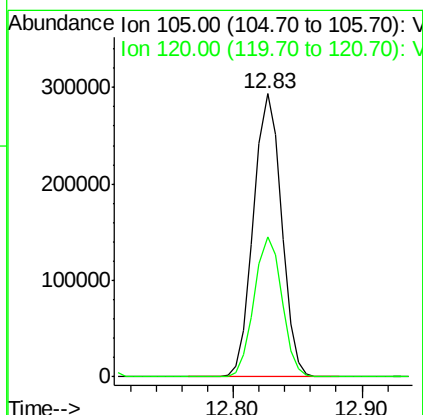
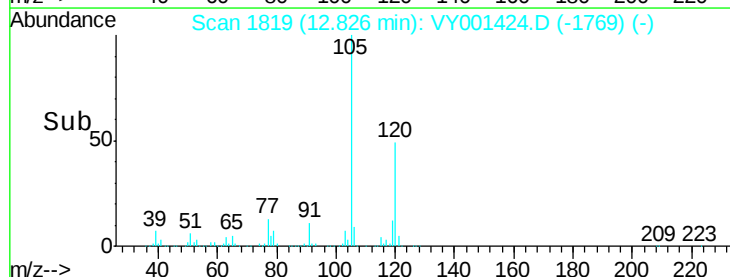
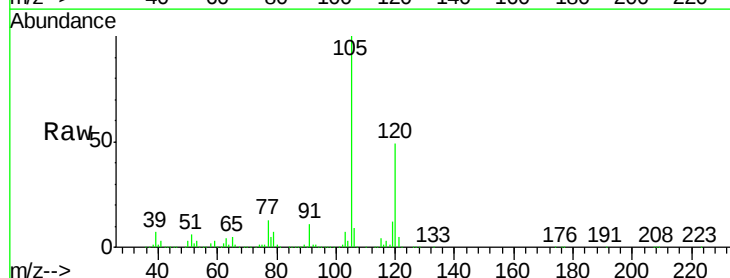
Acq: 30 Jan 2020 12:33

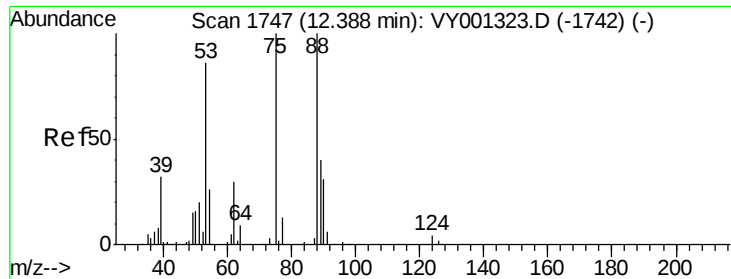
Tgt Ion: 105 Resp: 440506

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.9





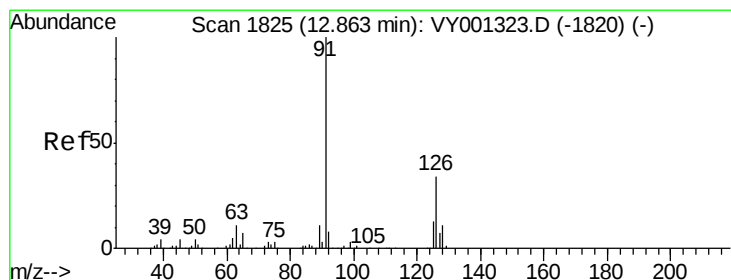
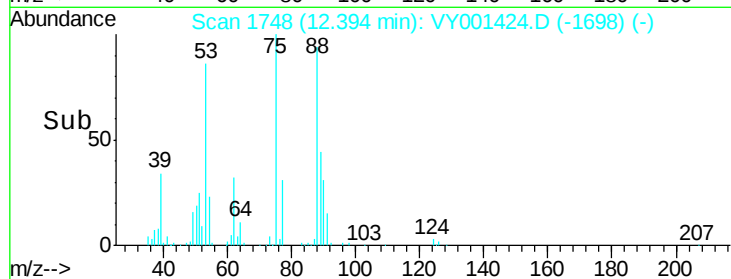
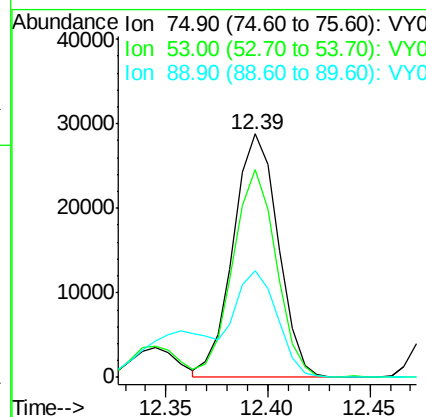
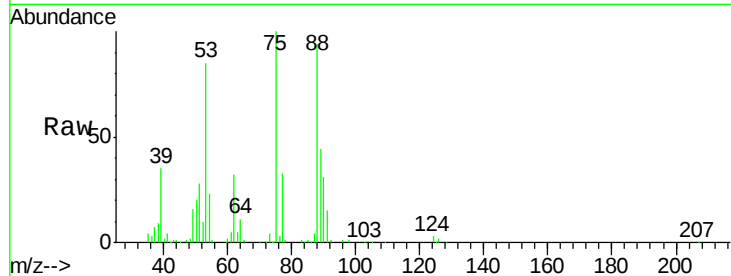
#81
trans-1,4-Dichloro-2-butene
Concen: 48.883 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.9	69.9	104.9
89	41.3	36.6	54.8

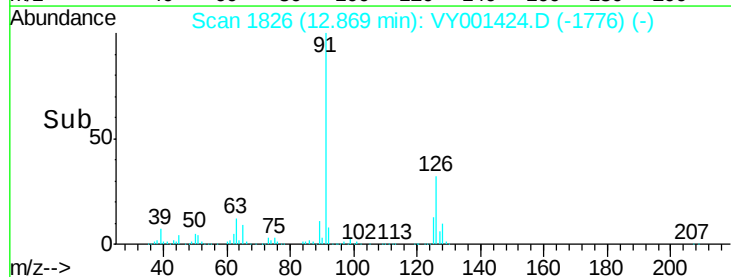
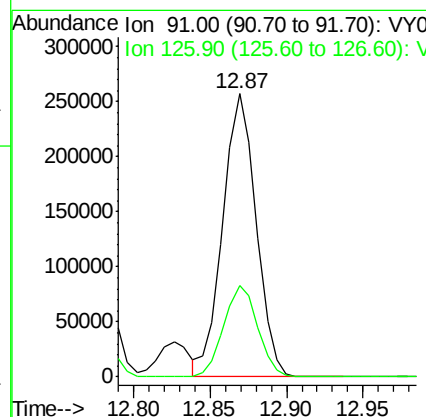
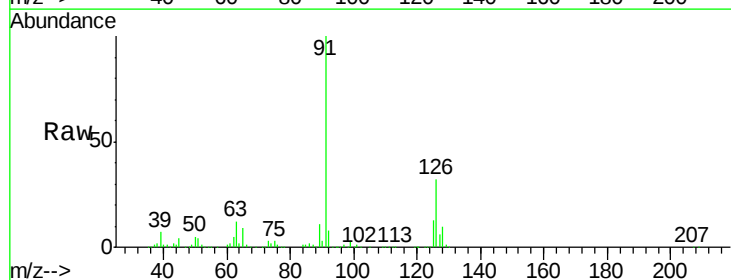
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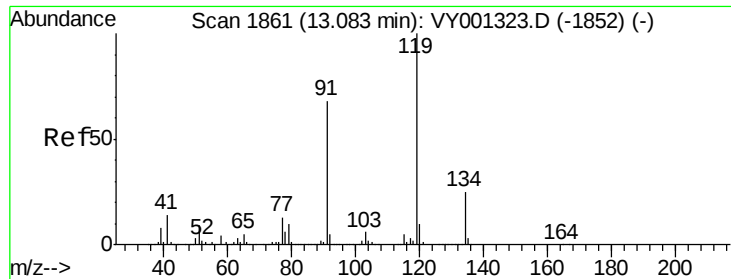
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#82
4-Chlorotoluene
Concen: 47.328 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4





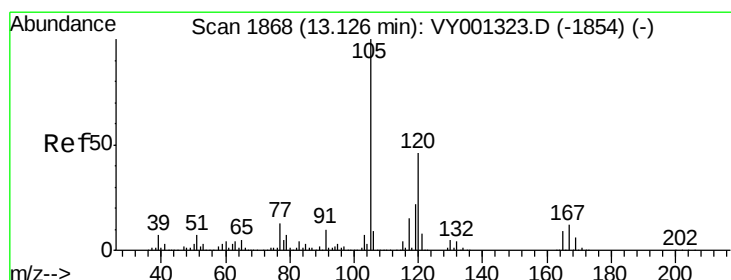
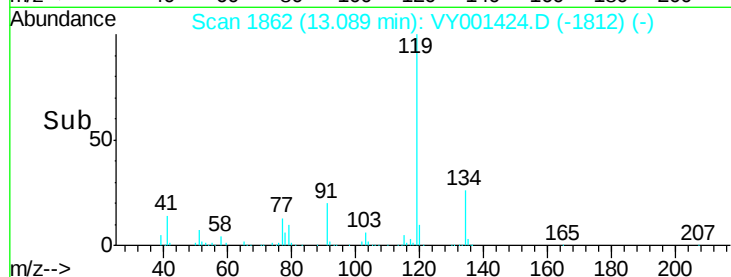
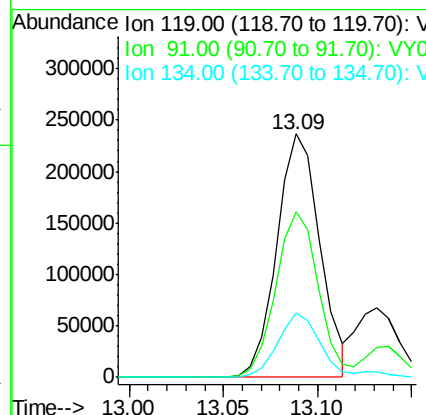
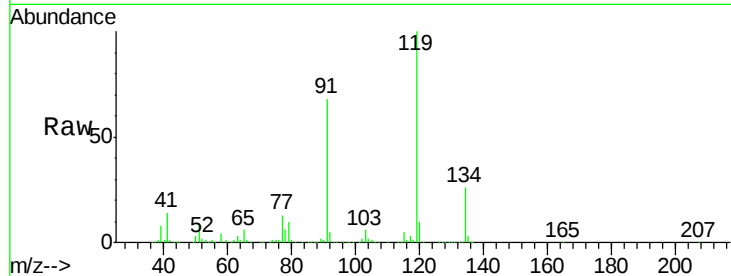
#83
tert-Butylbenzene
Concen: 47.549 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.0	99.0
134	27.1	13.3	39.9

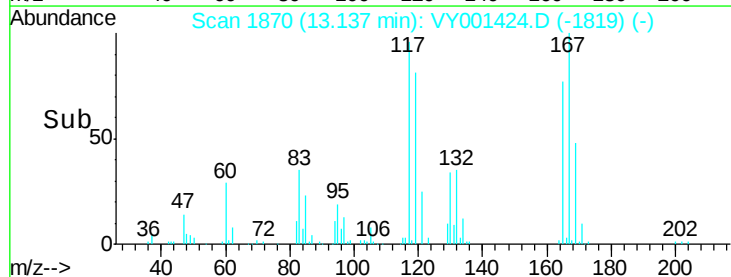
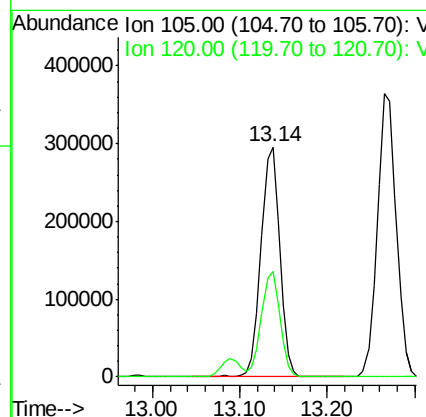
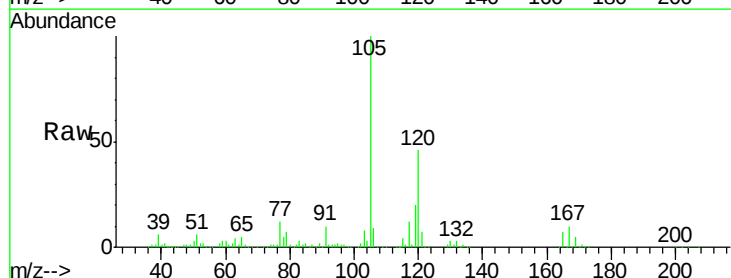
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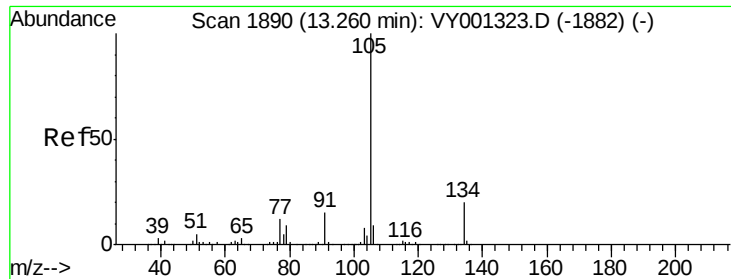
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#84
1,2,4-Trimethylbenzene
Concen: 46.912 ug/l
RT: 13.14 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 49.059 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 549299

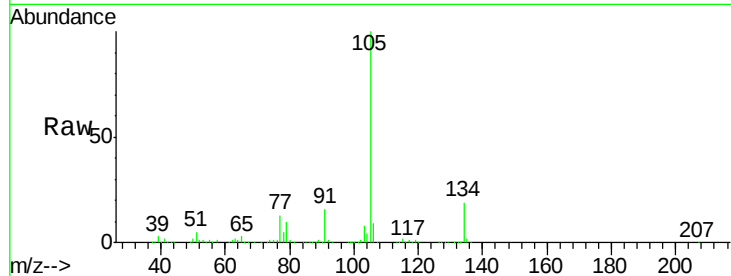
Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.4

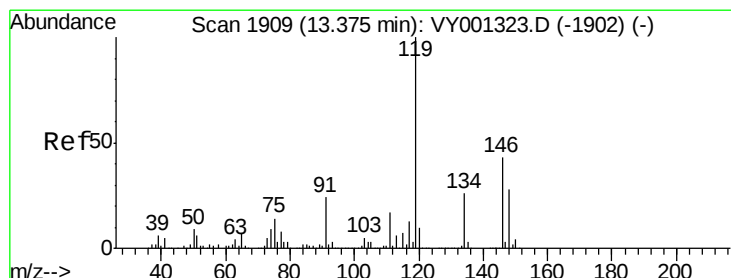
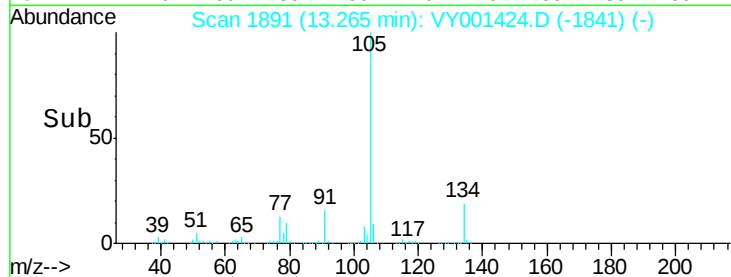
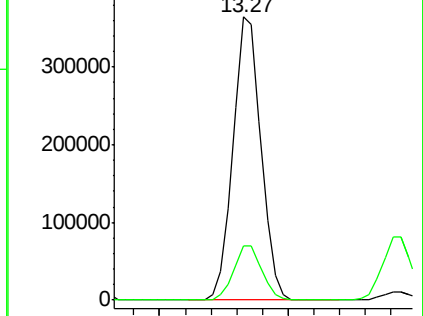
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.496 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

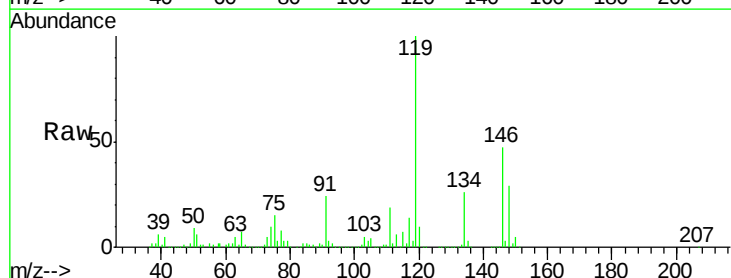
Tgt Ion:119 Resp: 478514

Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

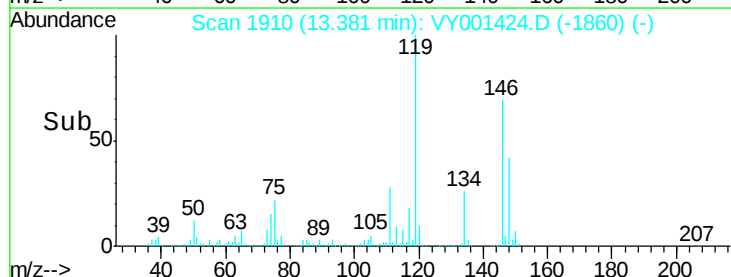
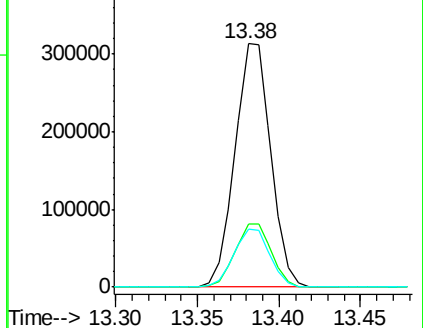
91 23.9 12.2 36.6

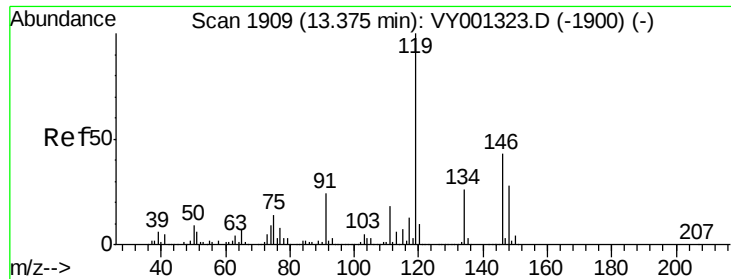


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





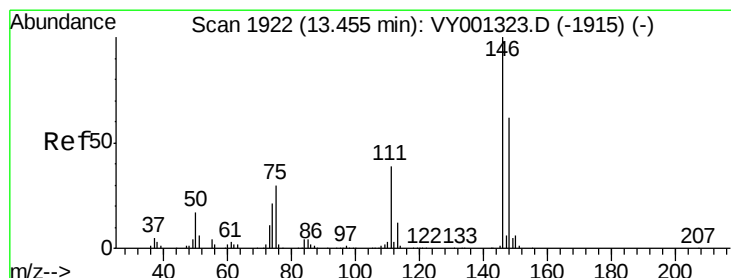
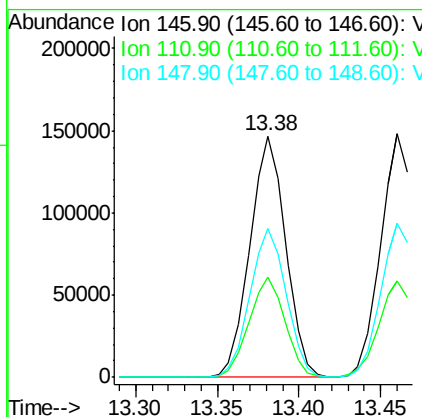
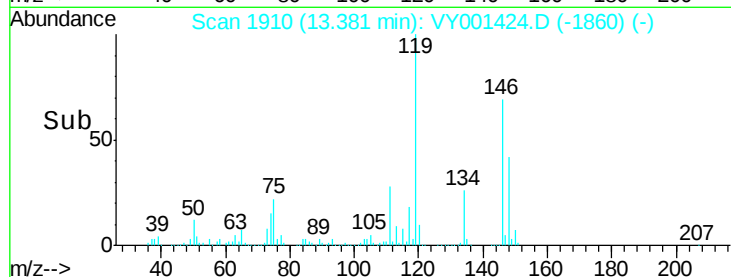
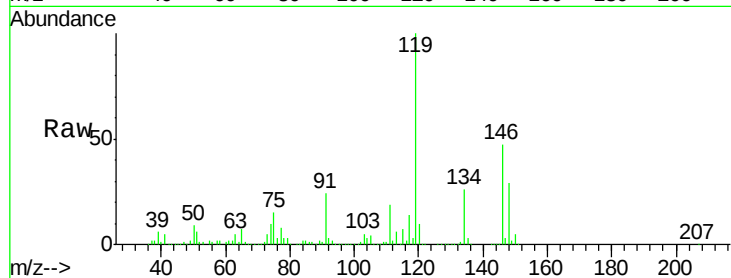
#87
 1,3-Dichlorobenzene
 Concen: 46.963 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	224377		
111	41.7	20.6	61.8	
148	62.5	31.6	95.0	

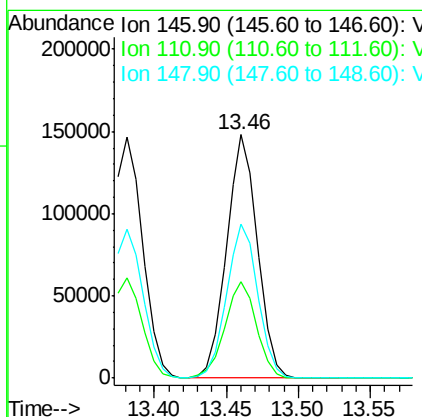
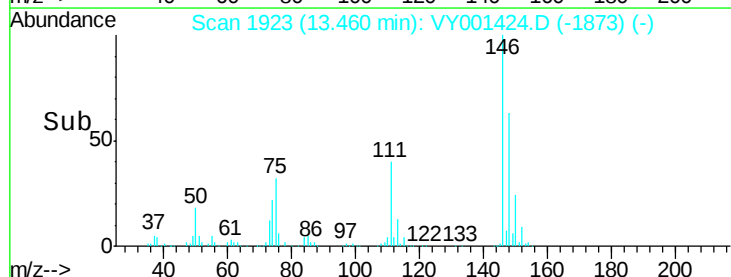
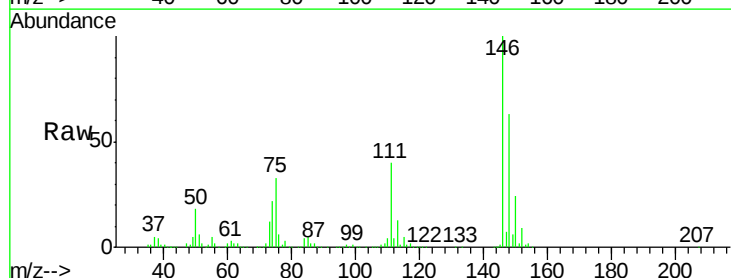
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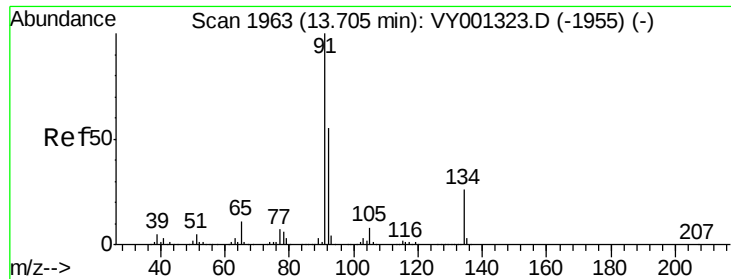
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#88
 1,4-Dichlorobenzene
 Concen: 45.787 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	222115		
111	40.4	20.5	61.5	
148	63.9	31.6	95.0	





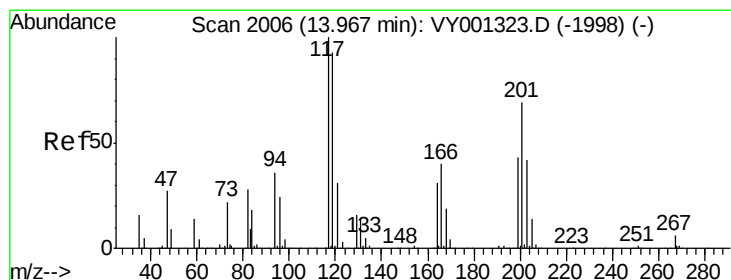
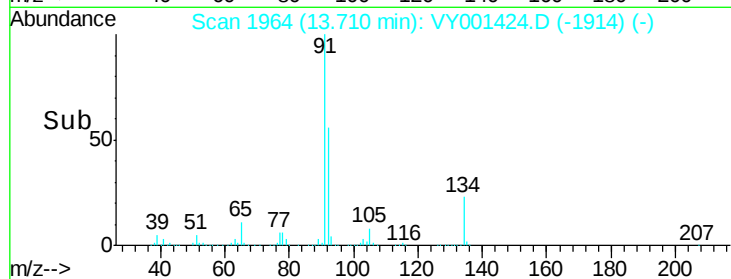
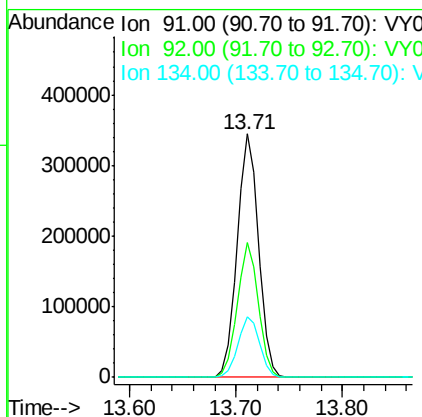
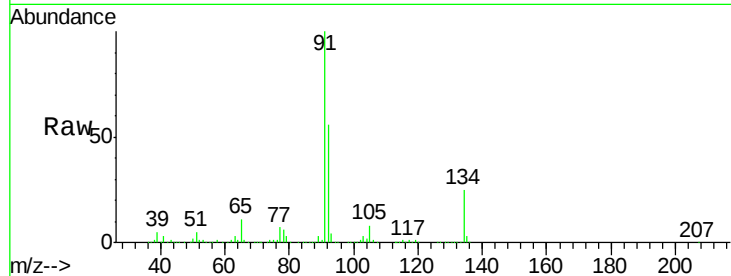
#89
n-Butylbenzene
Concen: 48.927 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.6	82.8	
134	25.1	12.9	38.6	

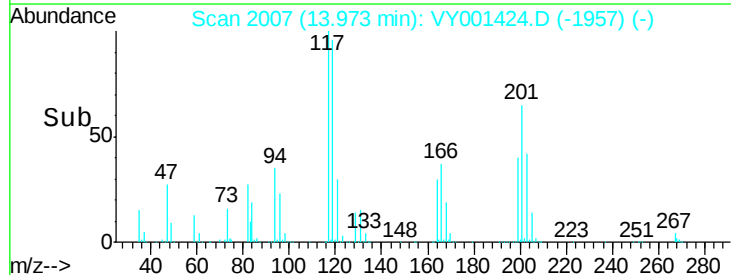
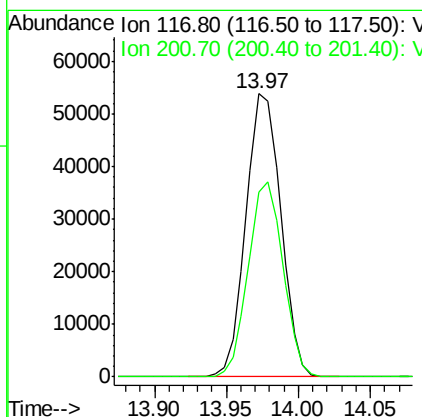
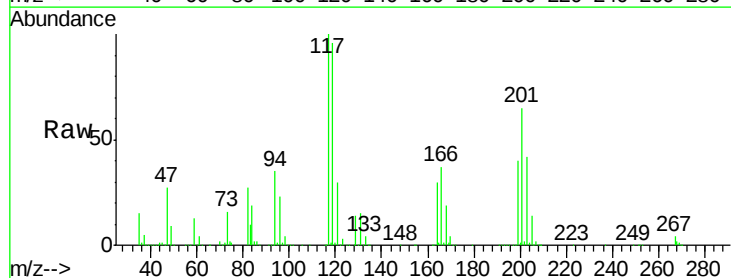
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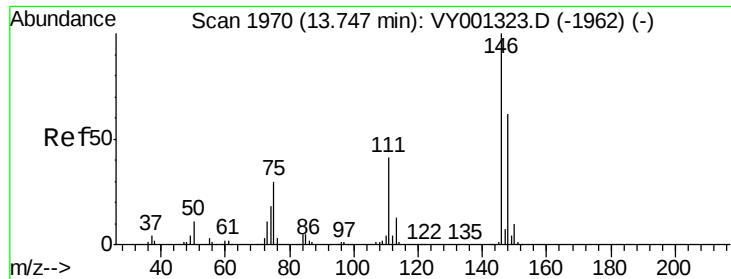
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#90
Hexachloroethane
Concen: 48.387 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001424.D
Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	68.6	34.6	103.8	





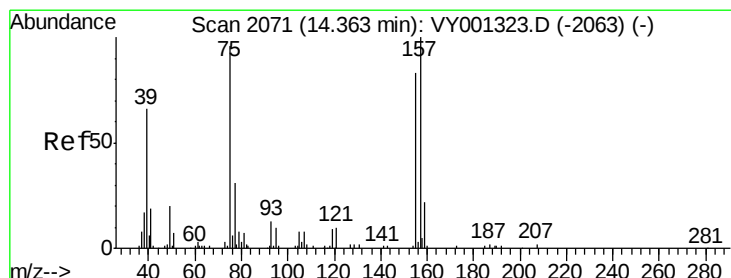
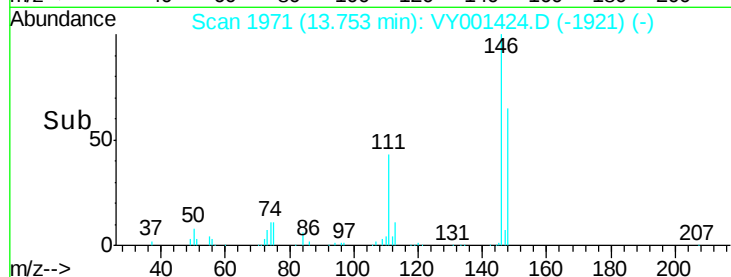
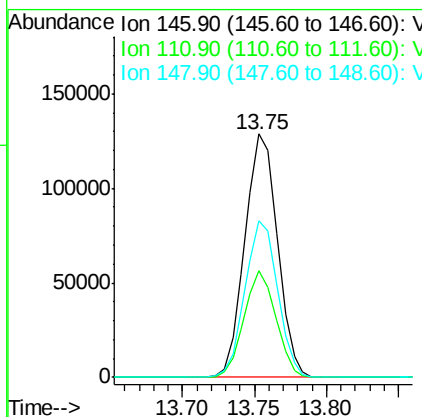
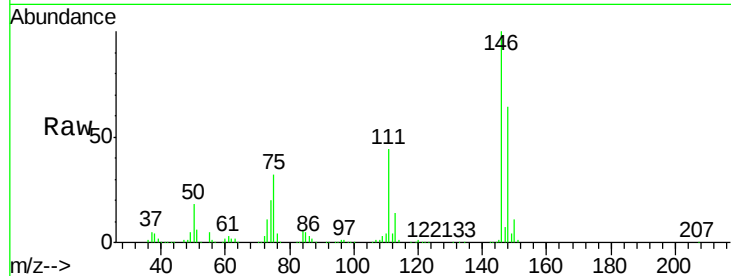
#91
 1,2-Dichlorobenzene
 Concen: 45.830 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	64.0	31.5	94.5

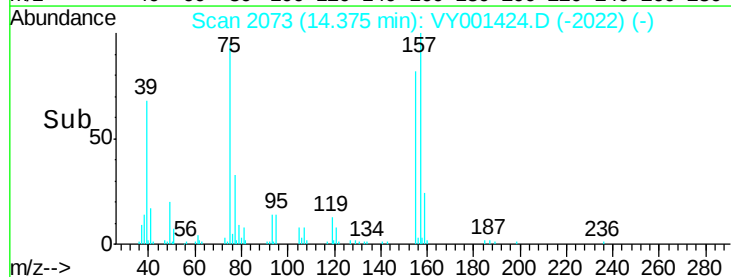
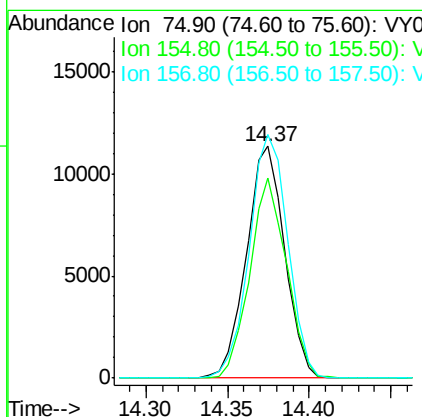
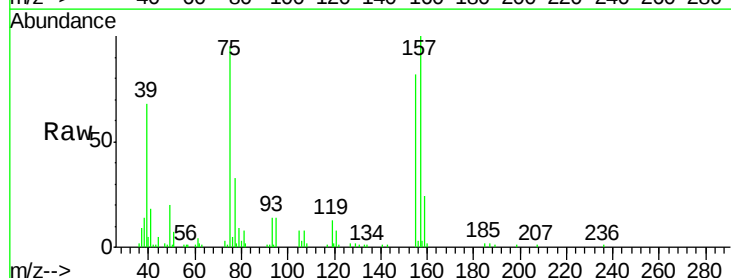
Manual Integrations
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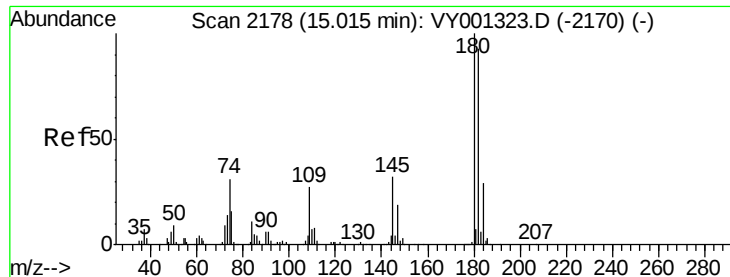
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.598 ug/l
 RT: 14.37 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	43.0	129.2
157	105.7	53.3	160.0





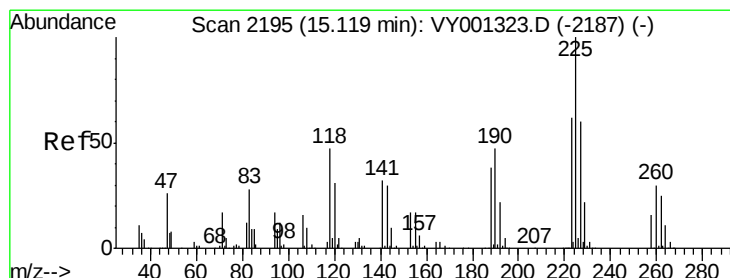
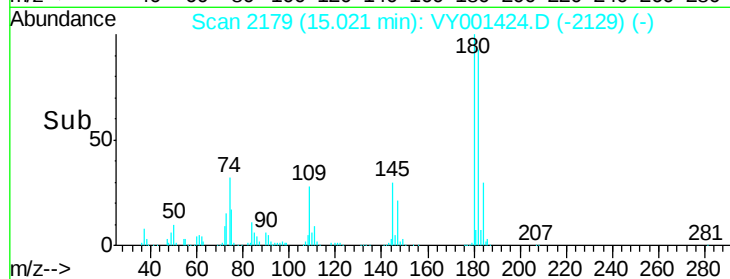
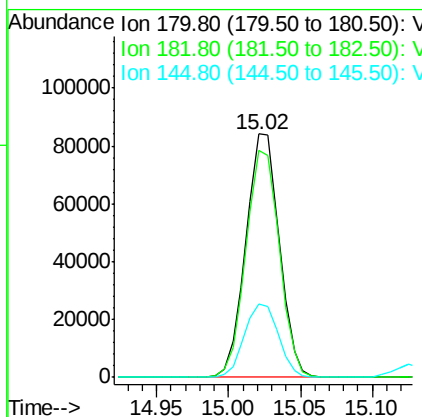
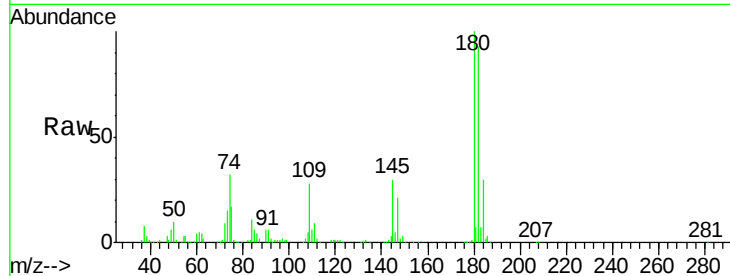
#93
 1,2,4-Trichlorobenzene
 Concen: 45.770 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	135355		
182	93.0	47.6	142.8	
145	30.7	16.3	48.9	

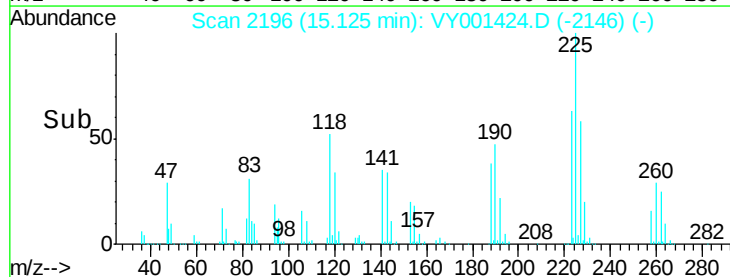
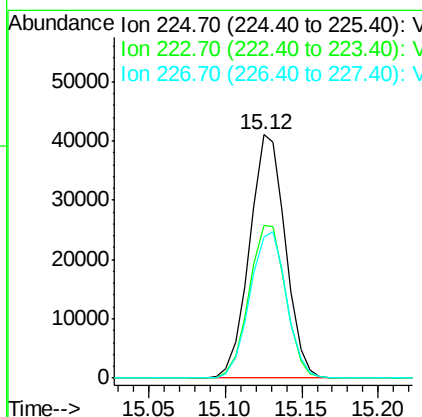
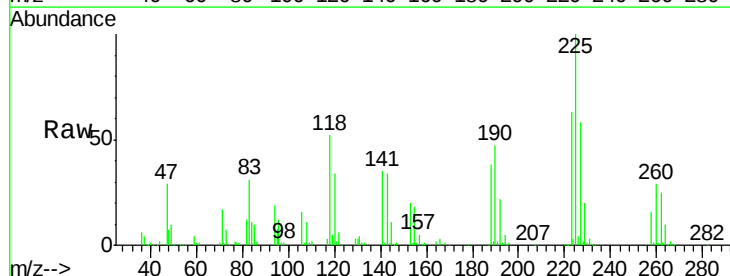
Manual Integrations
 APPROVED

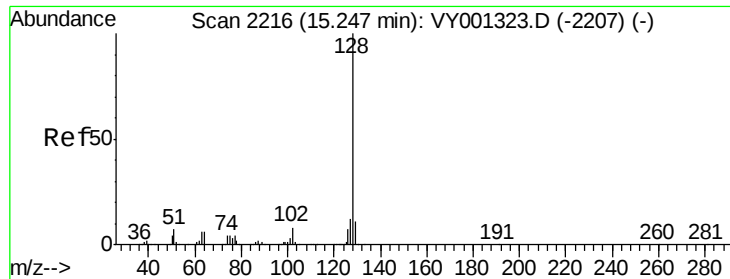
MMDadoda
 1/31/2020 4:26:16 PM



#94
 Hexachlorobutadiene
 Concen: 46.412 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001424.D
 Acq: 30 Jan 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66831		
223	63.7	31.2	93.6	
227	61.4	31.0	93.0	





#95

Naphthalene

Concen: 46.246 ug/l

RT: 15.25 min Scan# 2217

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Instrument :

MSVOA_Y

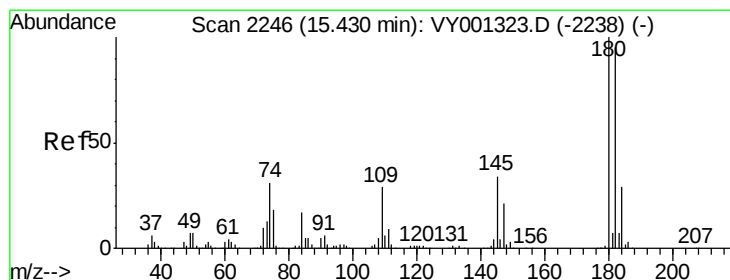
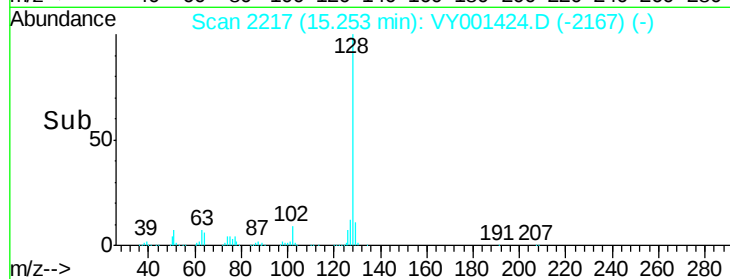
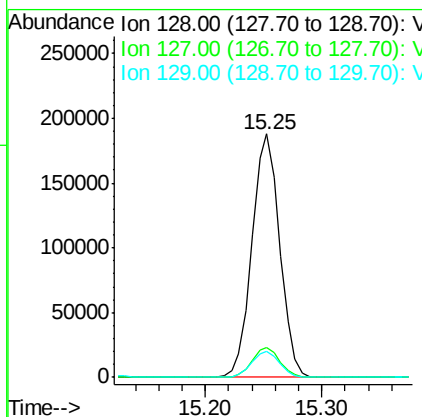
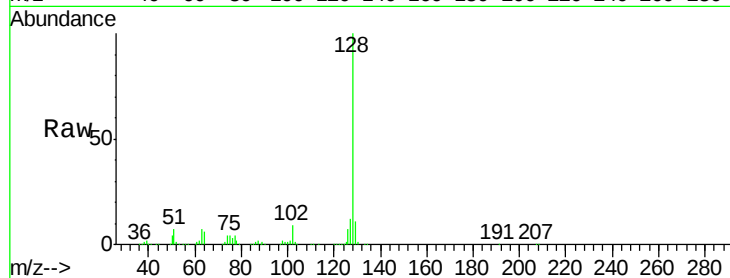
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	312721
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.2	15.2
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:26:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 44.597 ug/l

RT: 15.44 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VY001424.D

Acq: 30 Jan 2020 12:33

Tgt Ion:	180	Resp:	115692
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.3	141.8
145	33.9	16.8	50.3

