

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020320\
 Data File : VY001463.D
 Acq On : 03 Feb 2020 10:36
 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
 2/4/2020 11:21:39 AM

Quant Time: Feb 03 11:08:53 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	7.82	168	185755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	324087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	288308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	103950	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.75	113	100770	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.19	98	403299	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.49	95	154965	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	66915	45.680	ug/l	98
3) Chloromethane	2.13	50	98622	44.545	ug/l	99
4) Vinyl Chloride	2.27	62	104082	45.086	ug/l	96
5) Bromomethane	2.67	94	68931	44.336	ug/l	99
6) Chloroethane	2.81	64	68162	46.207	ug/l	95
7) Trichlorofluoromethane	3.15	101	143640	48.631	ug/l	99
8) Diethyl Ether	3.55	74	55776	44.733	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	94451	50.213	ug/l	98
10) Methyl Iodide	4.12	142	111340	44.879	ug/l	100
11) Tert butyl alcohol	4.99	59	51681	199.459	ug/l #	86
12) 1,1-Dichloroethene	3.90	96	92035	46.665	ug/l	96
13) Acrolein	3.76	56	40560	271.667	ug/l	99
14) Allyl chloride	4.51	41	170188	48.388	ug/l	98
15) Acrylonitrile	5.21	53	144508	226.415	ug/l	100
16) Acetone	3.97	43	154479	291.376	ug/l	99
17) Carbon Disulfide	4.22	76	266439	42.955	ug/l	97
18) Methyl Acetate	4.51	43	72238	42.380	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	263737	45.671	ug/l	99
20) Methylene Chloride	4.75	84	108433	42.836	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	105487	46.045	ug/l	97
22) Diisopropyl ether	6.15	45	358045	47.940	ug/l	96
23) Vinyl Acetate	6.10	43	1123801	231.775	ug/l	99
24) 1,1-Dichloroethane	6.05	63	189555	48.151	ug/l	98
25) 2-Butanone	7.02	43	210478	239.242	ug/l	99
26) 2,2-Dichloropropane	7.01	77	168838	48.149	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	121150	47.318	ug/l	98
28) Bromochloromethane	7.36	49	94040	57.925	ug/l	97
29) Tetrahydrofuran	7.38	42	124971	218.341	ug/l	98
30) Chloroform	7.54	83	184457	47.804	ug/l	98
31) Cyclohexane	7.81	56	182006	46.566	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	159463	48.944	ug/l	100
36) 1,1-Dichloropropene	7.94	75	148366	48.457	ug/l	99
37) Ethyl Acetate	7.10	43	85624	45.772	ug/l	98
38) Carbon Tetrachloride	7.93	117	136580	50.052	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	193758	49.399	ug/l	99
40) Benzene	8.19	78	445692	48.547	ug/l	99
41) Methacrylonitrile	7.36	41	55030m	57.006	ug/l	
42) 1,2-Dichloroethane	8.27	62	121070	47.197	ug/l	99
43) Isopropyl Acetate	8.30	43	167726	46.110	ug/l	99
44) Trichloroethene	8.96	130	111630	47.384	ug/l	97
45) 1,2-Dichloropropane	9.24	63	113442	48.881	ug/l	99
46) Dibromomethane	9.33	93	58444	46.908	ug/l	97
47) Bromodichloromethane	9.52	83	147112	49.392	ug/l	97
48) Methyl methacrylate	9.31	41	74735	45.195	ug/l	98
49) 1,4-Dioxane	9.32	88	15657	891.117	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	426622	227.743	ug/l	100
52) Toluene	10.26	92	283465	48.709	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	161217	48.834	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	184824	48.777	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	88291	48.011	ug/l	97
56) Ethyl methacrylate	10.52	69	130622	46.995	ug/l	97
57) 1,3-Dichloropropane	10.80	76	153480	47.911	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	228514	237.591	ug/l	99
59) 2-Hexanone	10.85	43	314457	241.127	ug/l	100
60) Dibromochloromethane	11.00	129	101180	49.193	ug/l	100
61) 1,2-Dibromoethane	11.10	107	81538	46.902	ug/l	99
64) Tetrachloroethene	10.74	164	90245	49.003	ug/l	95
65) Chlorobenzene	11.53	112	293330	48.268	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	103038	49.683	ug/l	99
67) Ethyl Benzene	11.61	91	548903	49.012	ug/l	98
68) m/p-Xylenes	11.71	106	412241	98.555	ug/l	99
69) o-Xylene	12.04	106	195394	48.558	ug/l	99
70) Styrene	12.06	104	348237	49.325	ug/l	99
71) Bromoform	12.22	173	58290	47.084	ug/l #	98
73) Isopropylbenzene	12.34	105	535619	49.766	ug/l	100
74) N-amyl acetate	12.16	43	160916	45.675	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	108794	47.199	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	78787m	47.936	ug/l	
77) Bromobenzene	12.62	156	114700	48.115	ug/l	98
78) n-propylbenzene	12.68	91	653158	50.419	ug/l	100
79) 2-Chlorotoluene	12.77	91	368803	49.833	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	447629	49.825	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	41423	47.693	ug/l	98
82) 4-Chlorotoluene	12.86	91	387446	49.011	ug/l	100
83) tert-Butylbenzene	13.09	119	385531	50.910	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	443847	49.209	ug/l	99
85) sec-Butylbenzene	13.27	105	550933	51.205	ug/l	100
86) p-Isopropyltoluene	13.38	119	477574	50.368	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	222724	48.512	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	226038	48.490	ug/l	100
89) n-Butylbenzene	13.71	91	484931	50.818	ug/l	99
90) Hexachloroethane	13.97	117	92304	51.358	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	204699	48.345	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17373	43.678	ug/l	99

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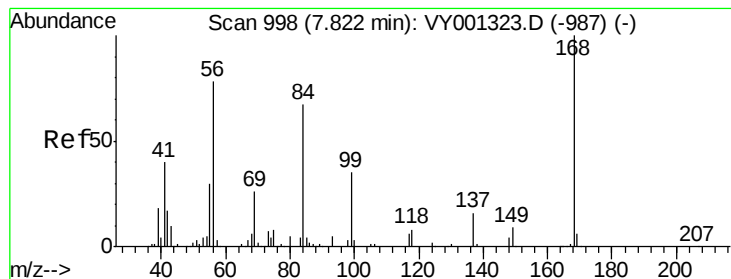
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	129183	45.459	ug/l	99
94) Hexachlorobutadiene	15.12	225	65489	47.329	ug/l	99
95) Naphthalene	15.25	128	292555	45.022	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	113617	45.577	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 185755

Ion Ratio Lower Upper

168 100

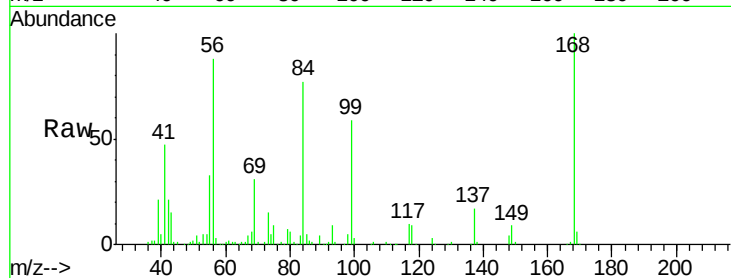
99 59.2 44.3 66.5

Manual Integrations

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2/4/2020 11:21:39 AM



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

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

7.82

80000

60000

40000

20000

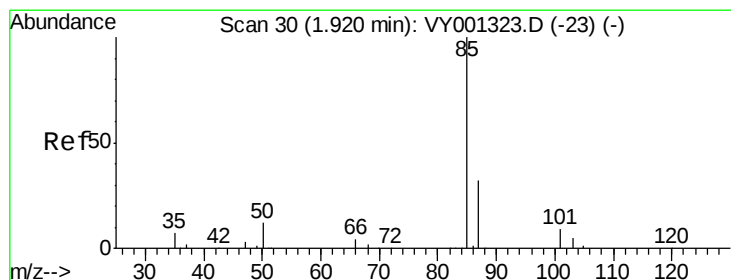
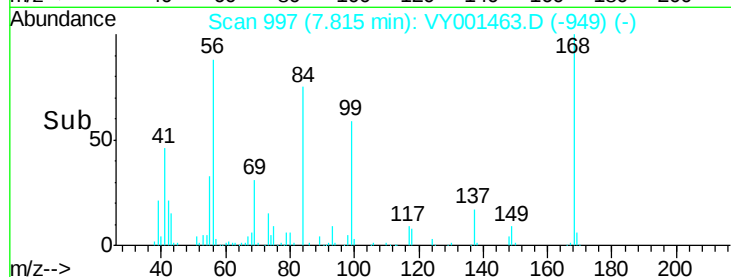
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Time-->

7.70

7.80

7.90



#2

Dichlorodifluoromethane

Concen: 45.680 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.01 min

Lab File: VY001463.D

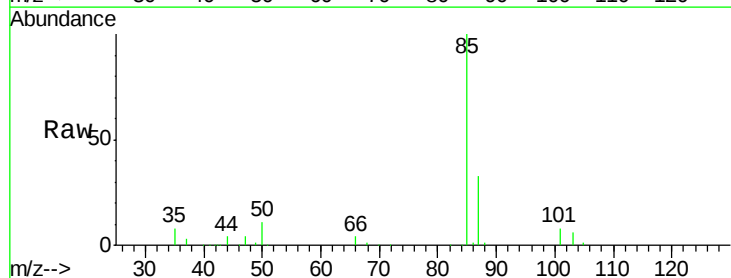
Acq: 03 Feb 2020 10:36

Tgt Ion: 85 Resp: 66915

Ion Ratio Lower Upper

85 100

87 33.4 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) (-)

1.91

50000

40000

30000

20000

10000

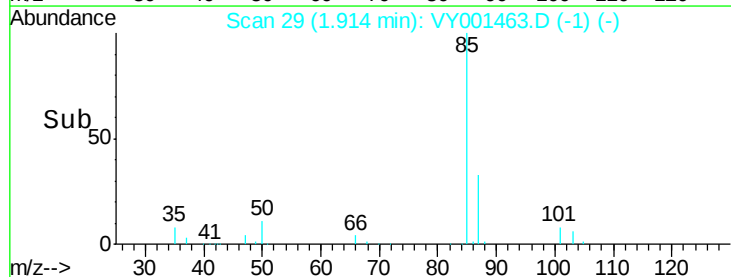
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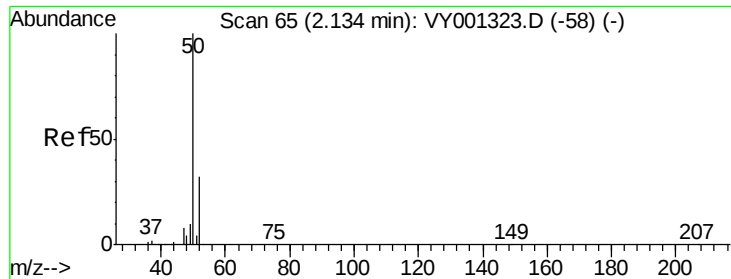
Time-->

1.80

1.90

2.00





#3

Chloromethane

Concen: 44.545 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 98622

Ion Ratio Lower Upper

50 100

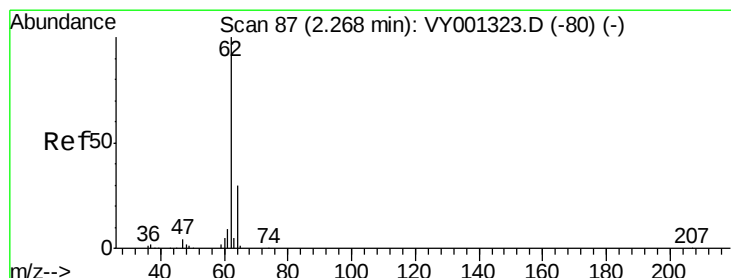
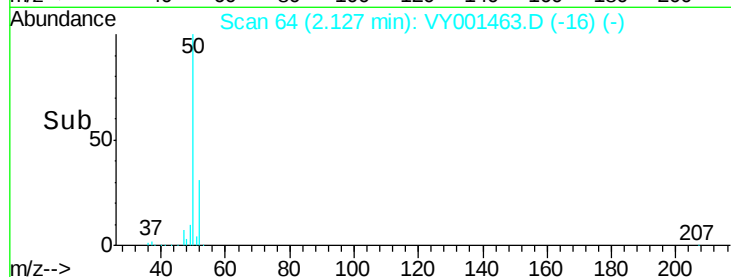
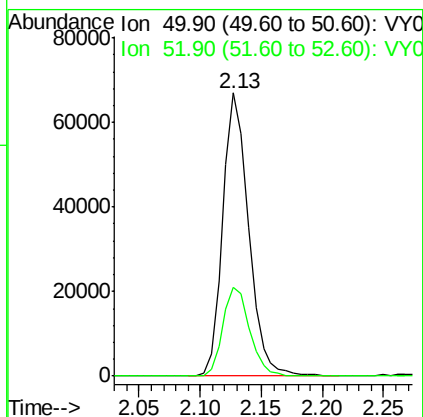
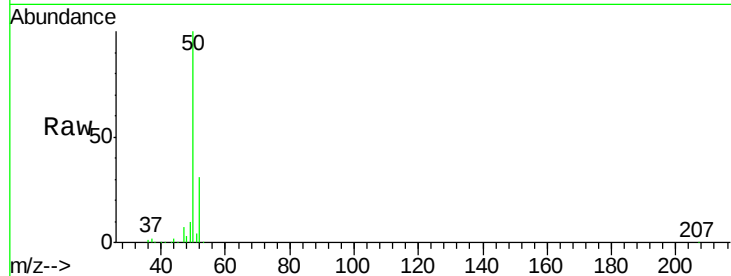
52 31.4 25.7 38.5

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#4

Vinyl Chloride

Concen: 45.086 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY001463.D

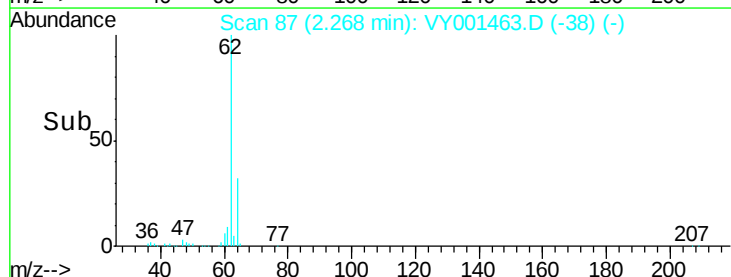
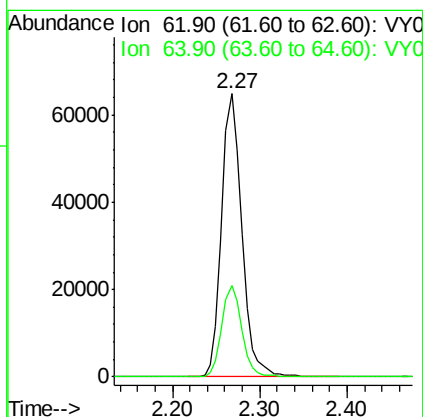
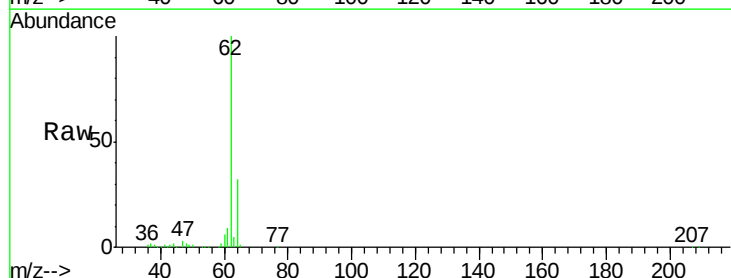
Acq: 03 Feb 2020 10:36

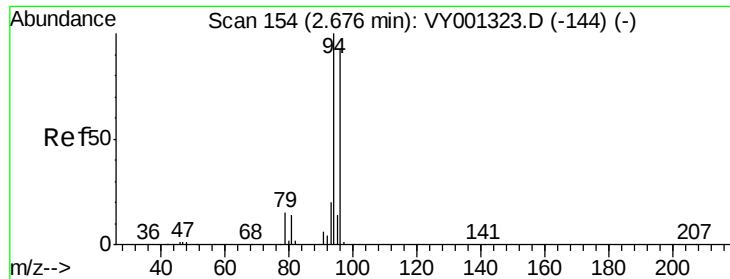
Tgt Ion: 62 Resp: 104082

Ion Ratio Lower Upper

62 100

64 32.3 23.9 35.9





#5

Bromomethane

Concen: 44.336 ug/l

RT: 2.67 min Scan# 153

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 68931

Ion Ratio Lower Upper

94 100

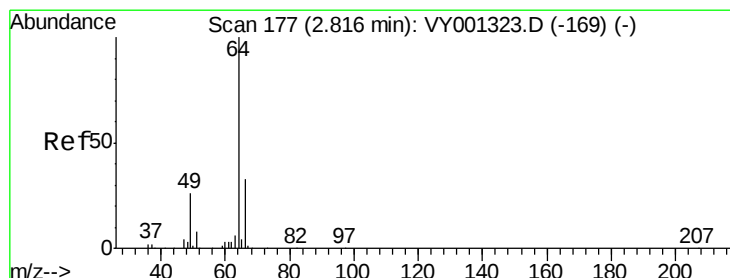
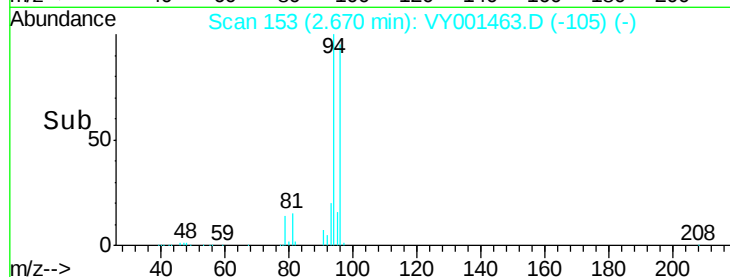
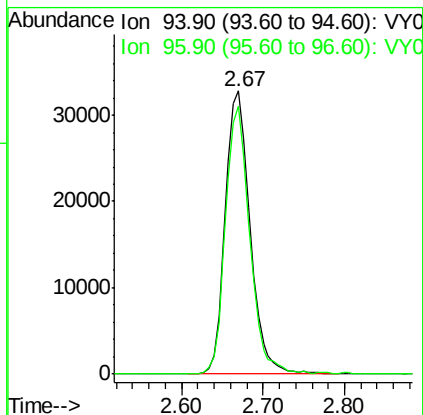
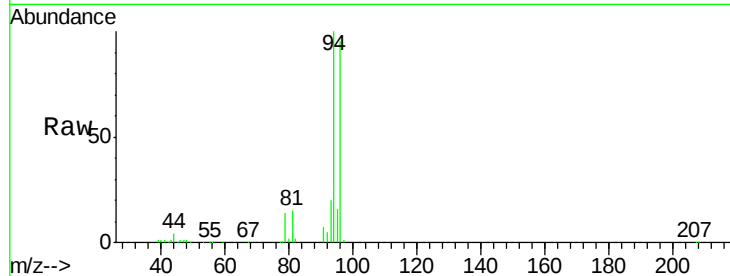
96 94.5 74.6 111.8

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2/4/2020 11:21:39 AM



#6

Chloroethane

Concen: 46.207 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY001463.D

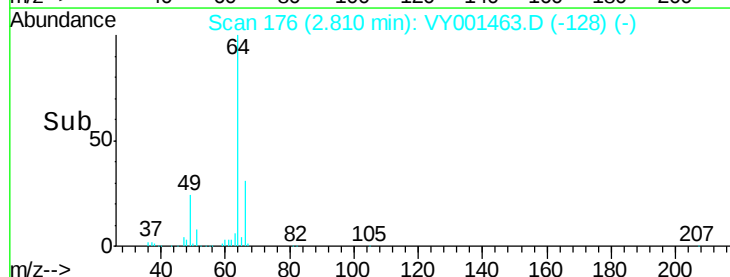
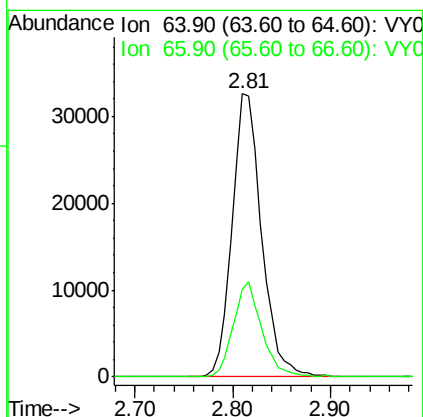
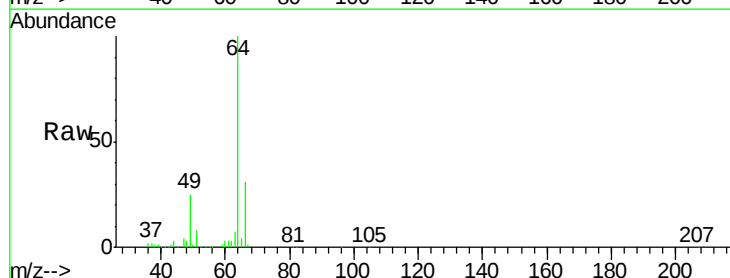
Acq: 03 Feb 2020 10:36

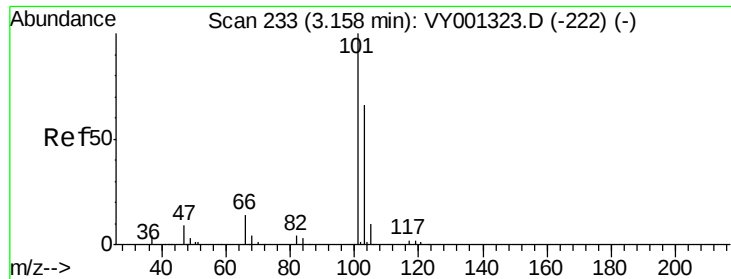
Tgt Ion: 64 Resp: 68162

Ion Ratio Lower Upper

64 100

66 30.9 26.8 40.2





#7

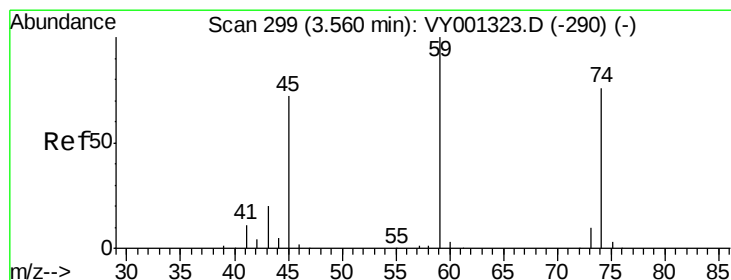
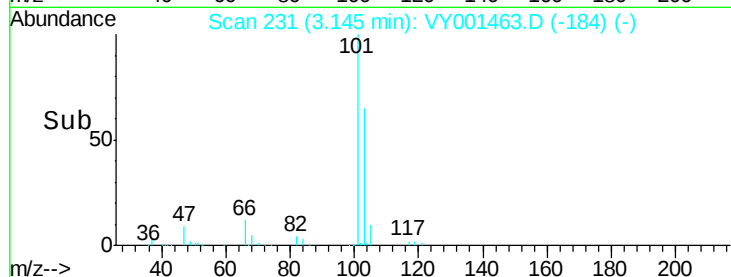
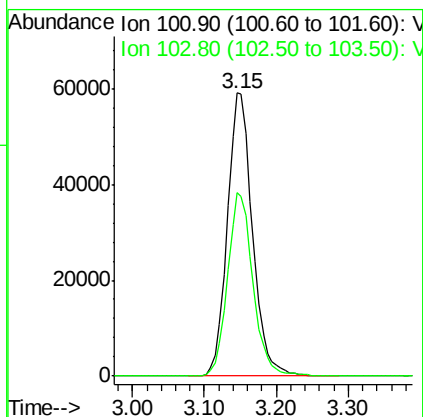
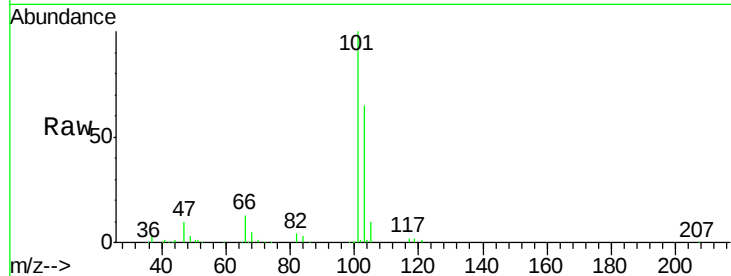
Trichlorofluoromethane
Concen: 48.631 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.5	78.7

Manual Integrations
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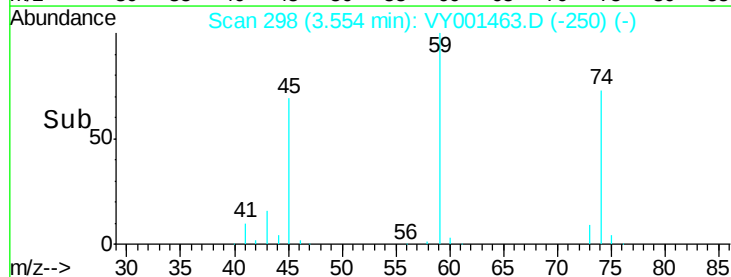
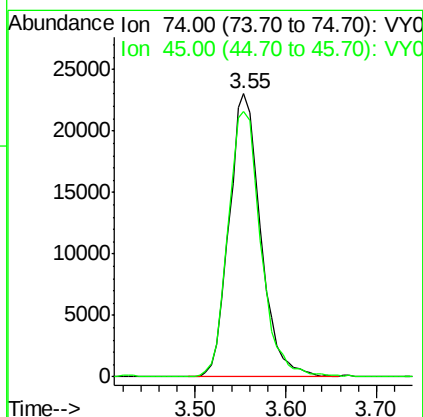
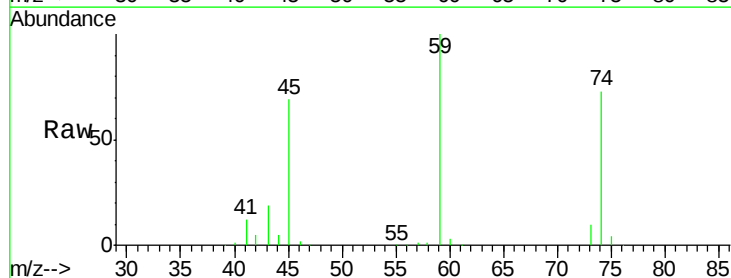
MMDadoda
2/4/2020 11:21:39 AM

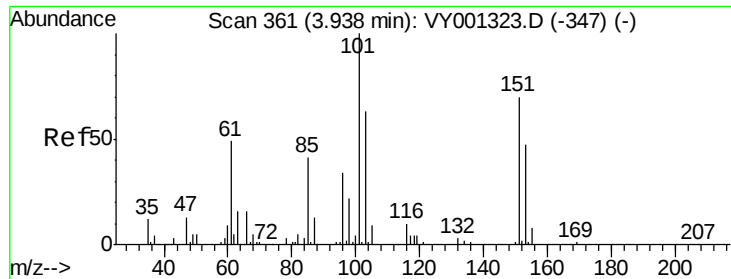


#8

Diethyl Ether
Concen: 44.733 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	47.2	141.6





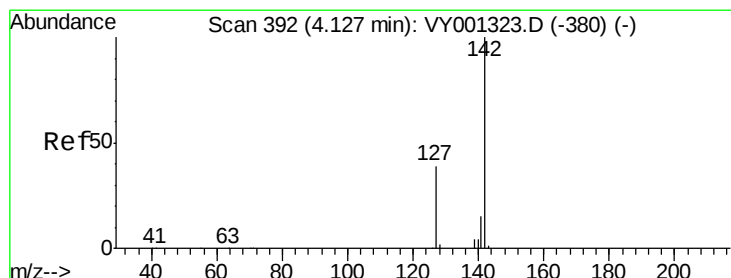
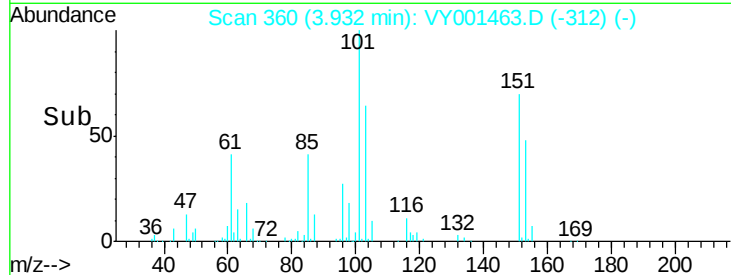
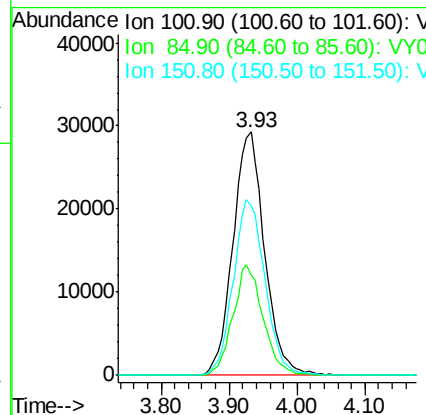
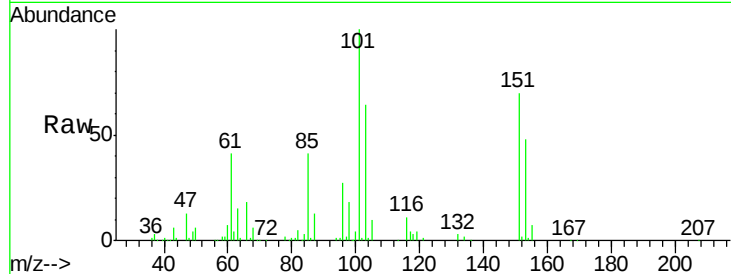
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.213 ug/l
RT: 3.93 min Scan# 360
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	94451		
85	43.3		34.9	52.3
151	72.4		59.9	89.9

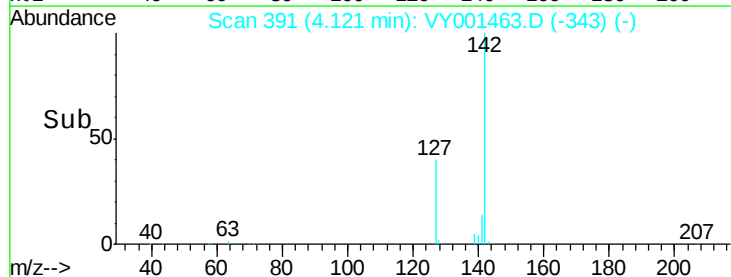
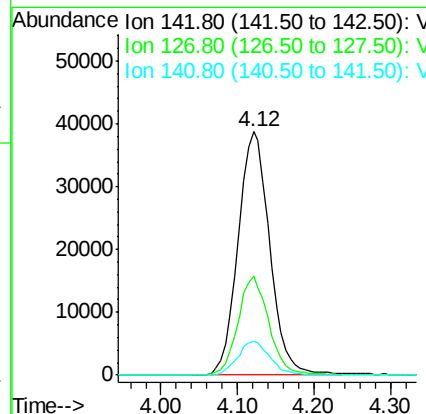
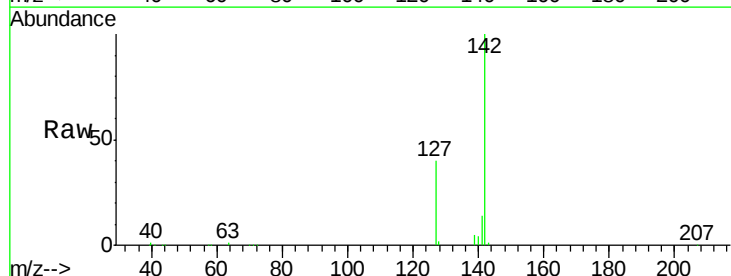
Manual Integrations
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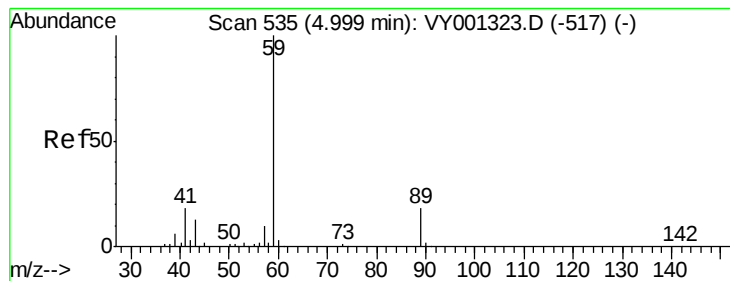
MMDadoda
2/4/2020 11:21:39 AM



#10
Methyl Iodide
Concen: 44.879 ug/l
RT: 4.12 min Scan# 391
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	111340		
127	39.3		31.6	47.4
141	14.0		11.2	16.8





#11

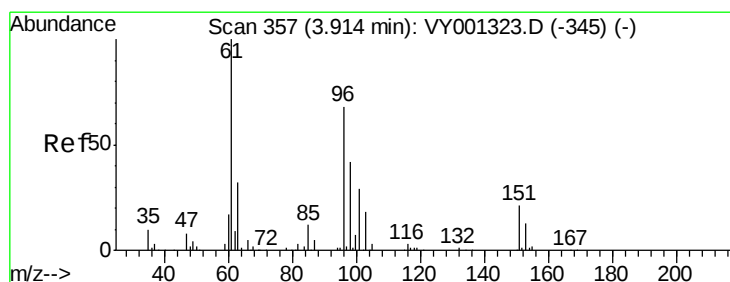
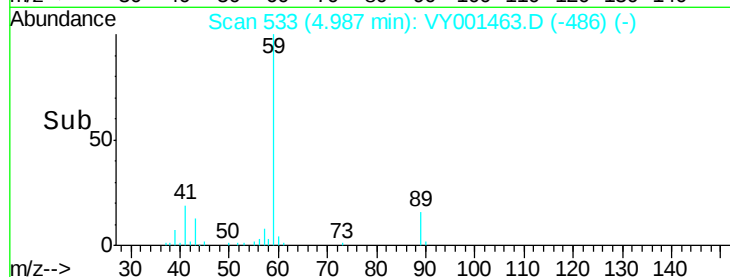
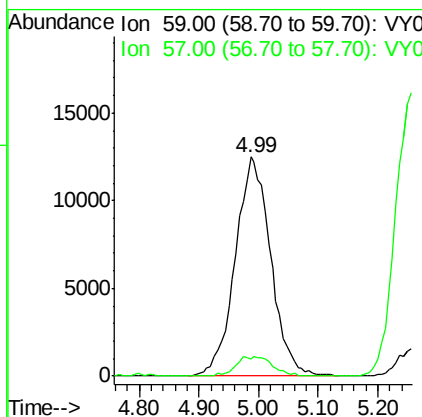
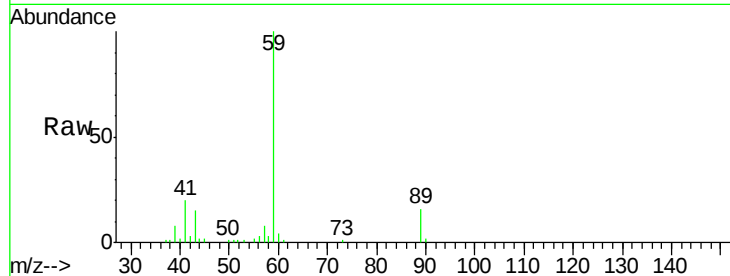
Tert butyl alcohol
Concen: 199.459 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.1	7.4	11.2#

Manual Integrations
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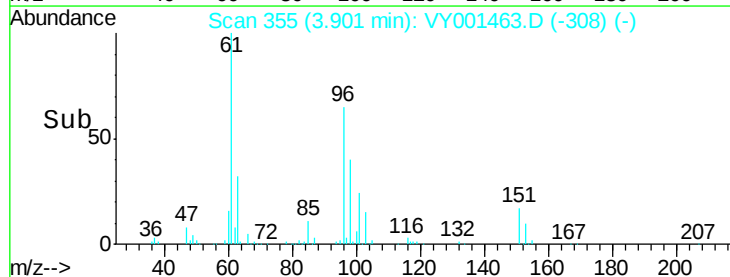
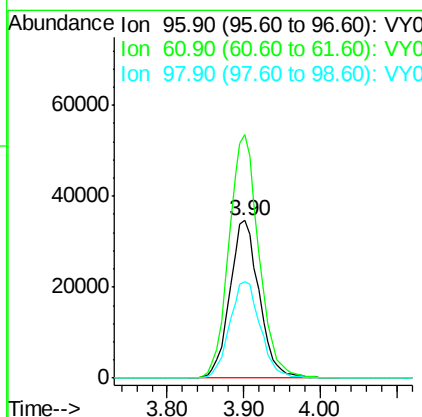
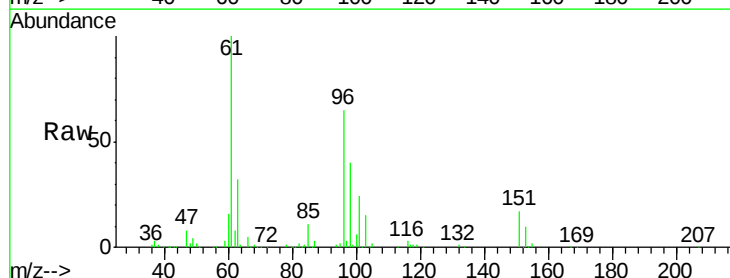
MMDadoda
2/4/2020 11:21:39 AM

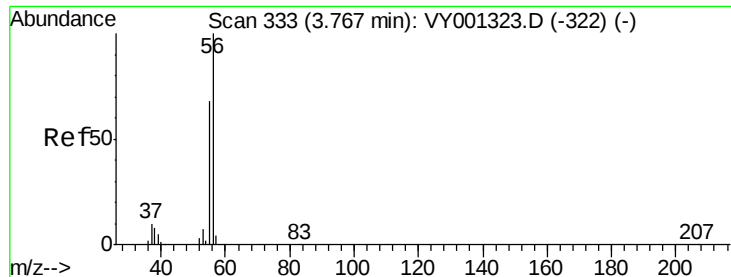


#12

1,1-Dichloroethene
Concen: 46.665 ug/l
RT: 3.90 min Scan# 355
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	118.0	177.0
98	61.5	49.4	74.2





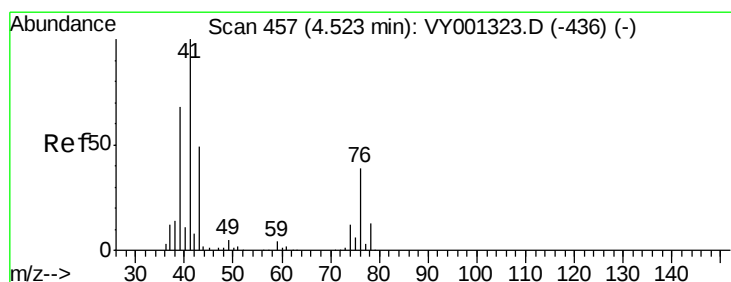
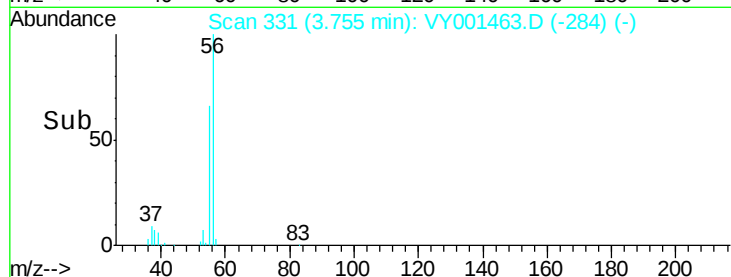
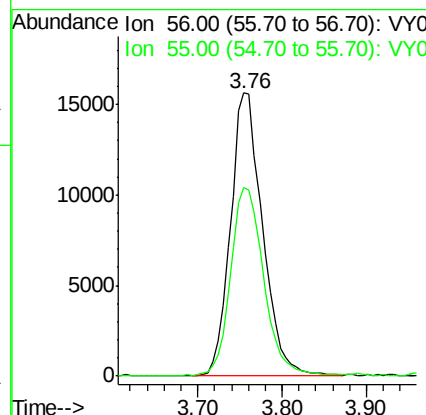
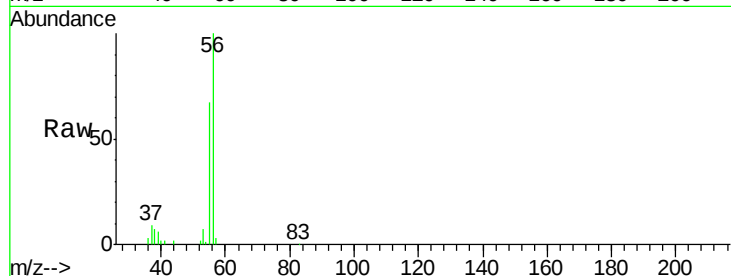
#13
Acrolein
Concen: 271.667 ug/l
RT: 3.76 min Scan# 331
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.0	55.9	83.9

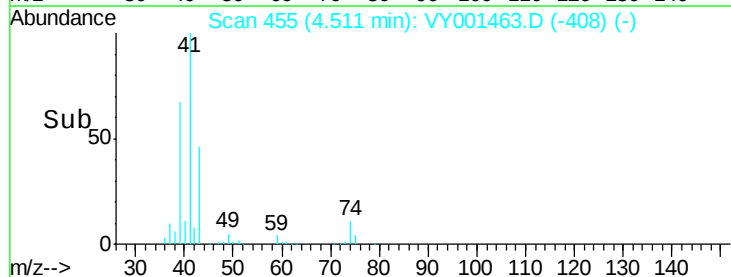
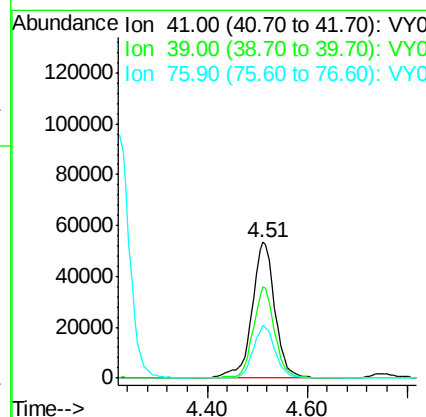
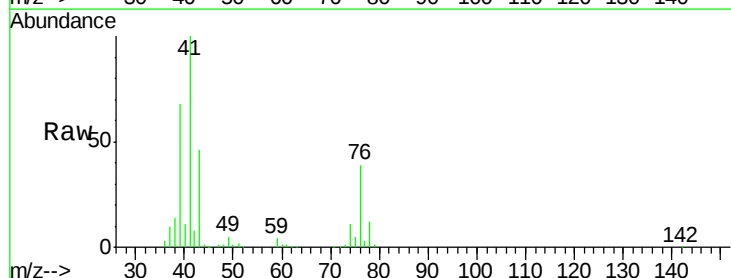
Manual Integrations
APPROVED

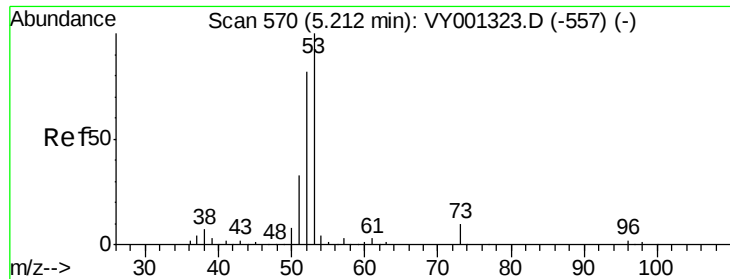
MMDadoda
2/4/2020 11:21:39 AM



#14
Allyl chloride
Concen: 48.388 ug/l
RT: 4.51 min Scan# 455
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.8	52.2	78.4
76	36.4	29.1	43.7





#15

Acrylonitrile

Concen: 226.415 ug/l

RT: 5.21 min Scan# 569

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

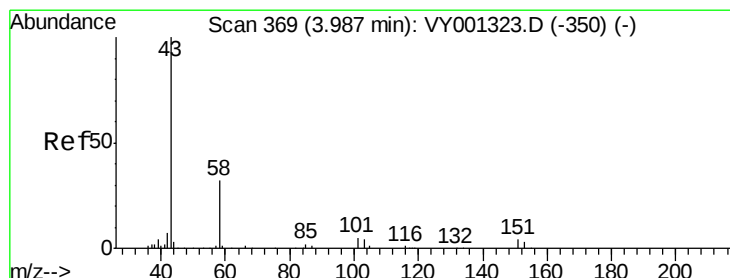
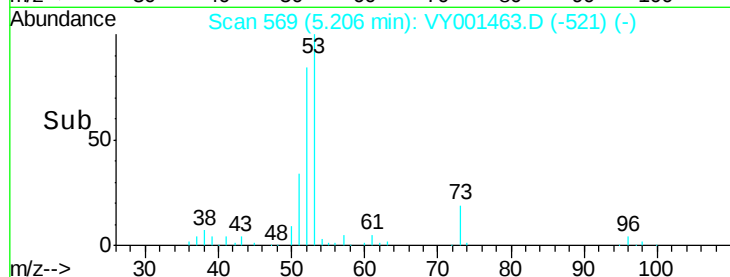
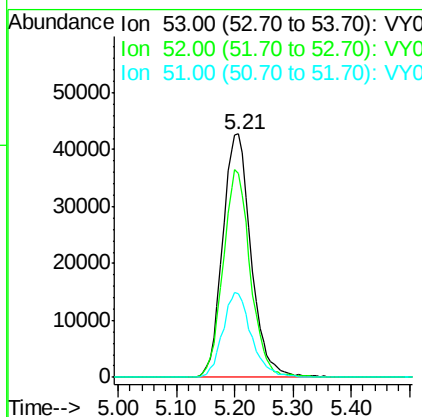
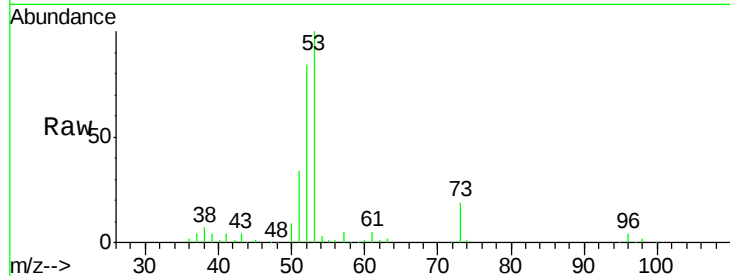
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	144508
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	35.1	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 291.376 ug/l

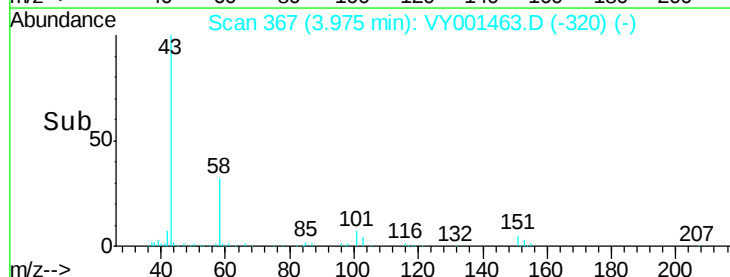
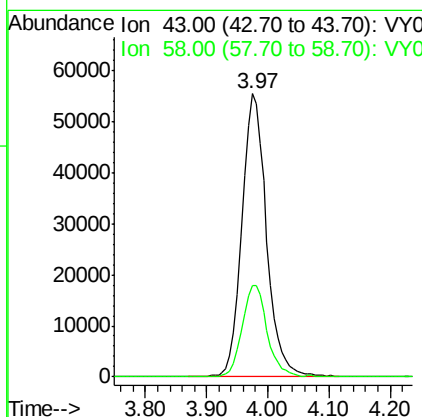
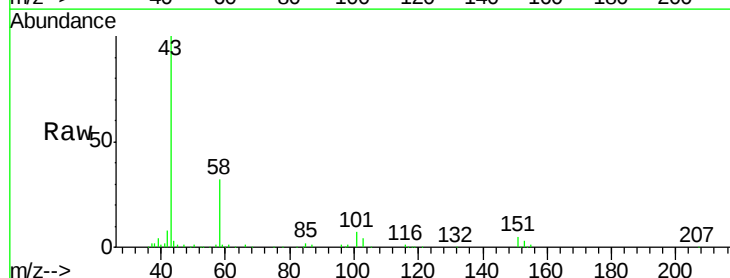
RT: 3.97 min Scan# 367

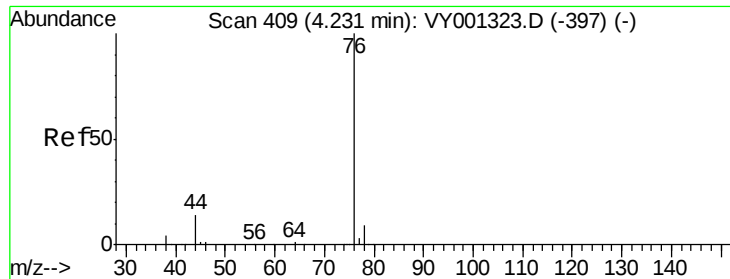
Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion:	43	Resp:	154479
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.4	38.0





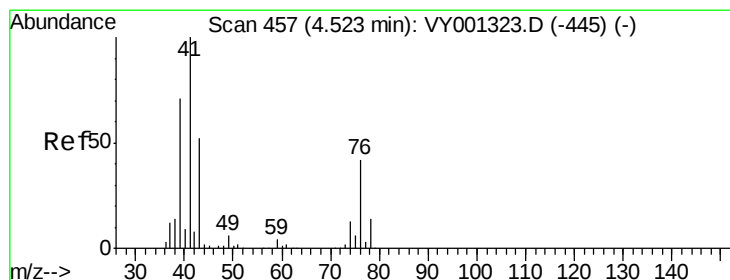
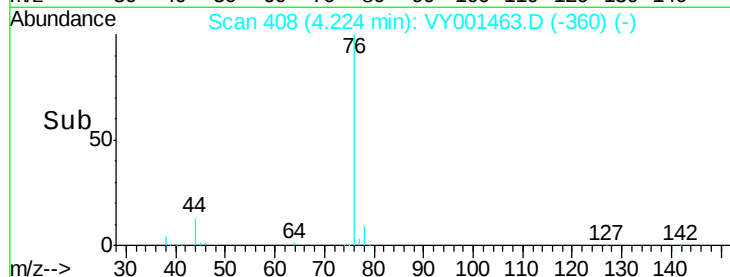
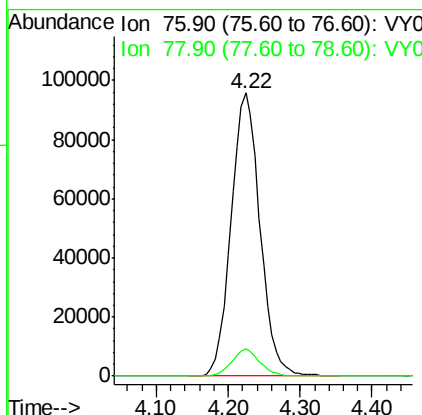
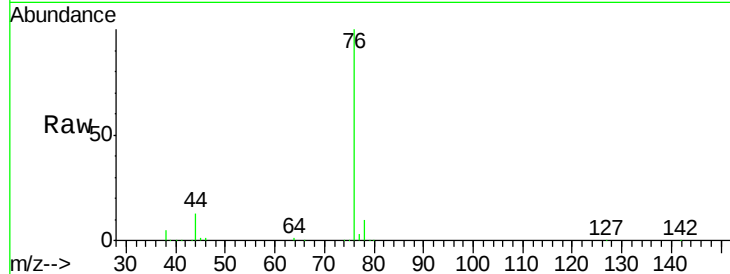
#17
Carbon Disulfide
Concen: 42.955 ug/l
RT: 4.22 min Scan# 408
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.6

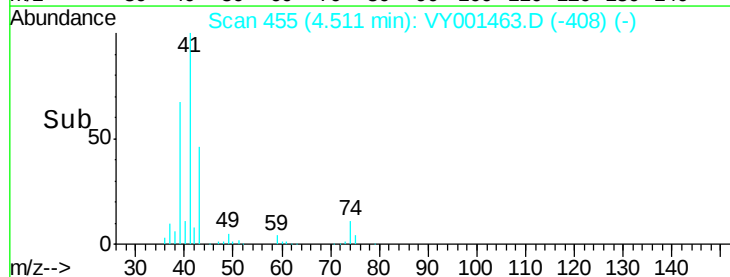
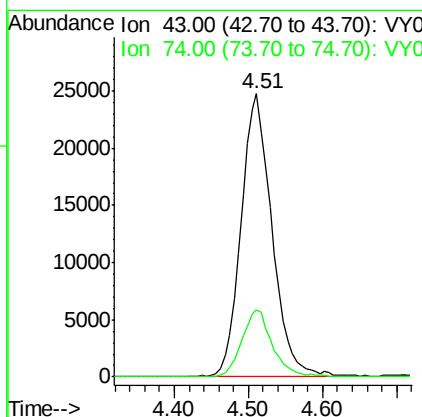
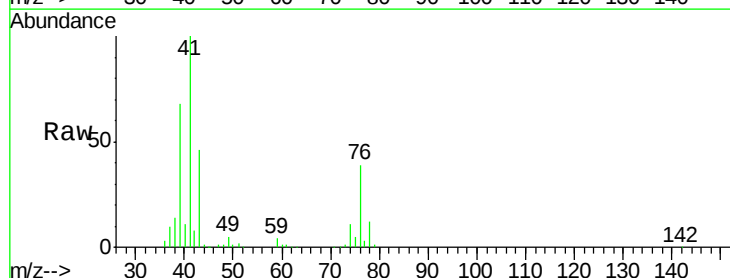
Manual Integrations
APPROVED

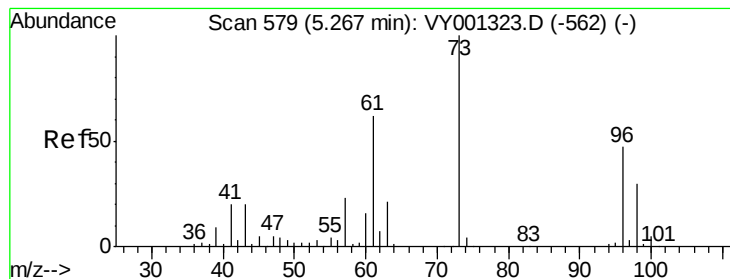
MMDadoda
2/4/2020 11:21:39 AM



#18
Methyl Acetate
Concen: 42.380 ug/l
RT: 4.51 min Scan# 455
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.4	29.2





#19

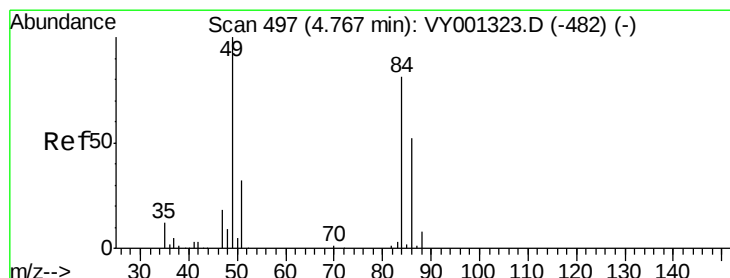
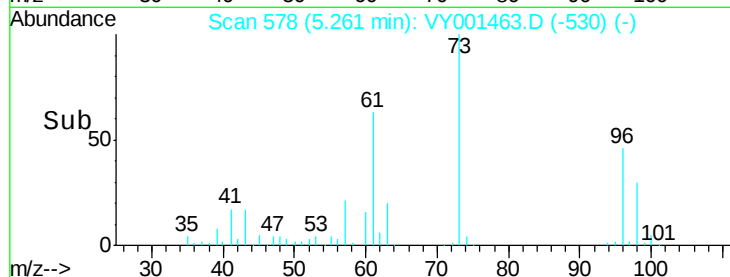
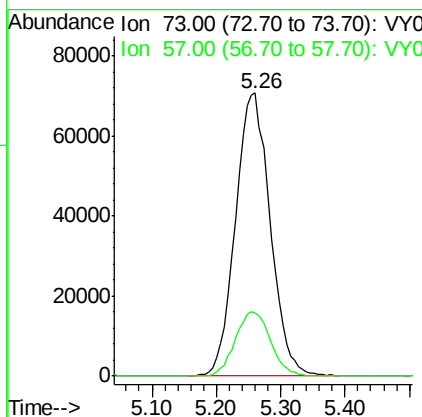
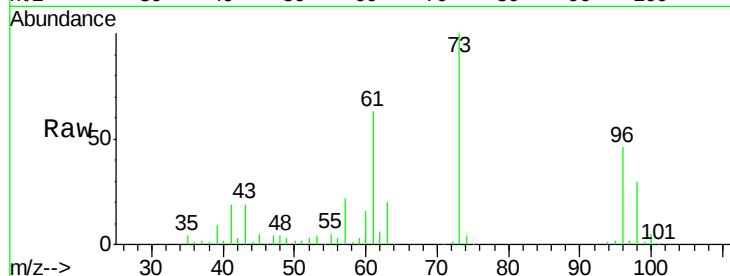
Methyl tert-butyl Ether
 Concen: 45.671 ug/l
 RT: 5.26 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.2	27.2

Manual Integrations
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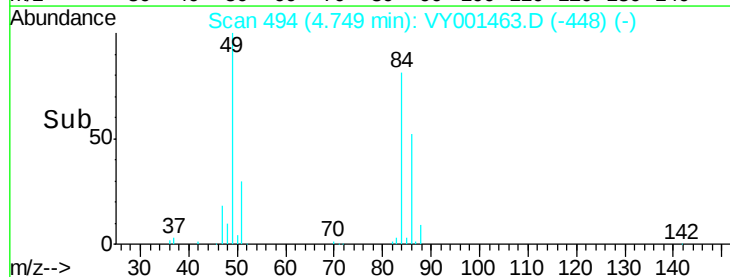
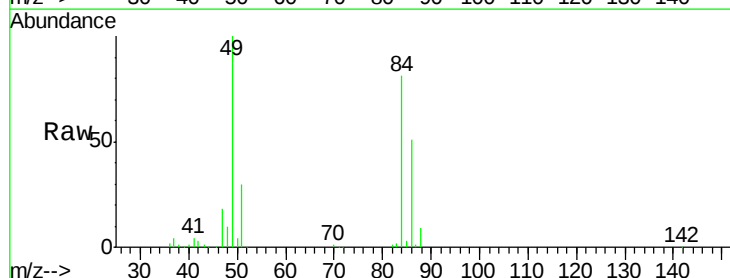
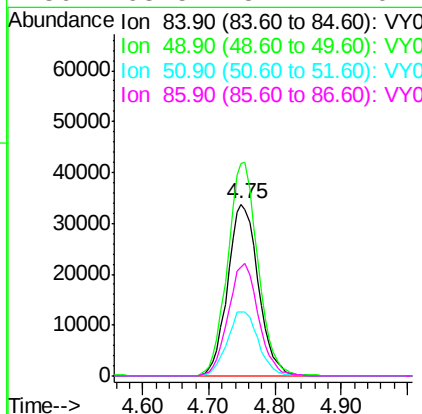
MMDadoda
 2/4/2020 11:21:39 AM

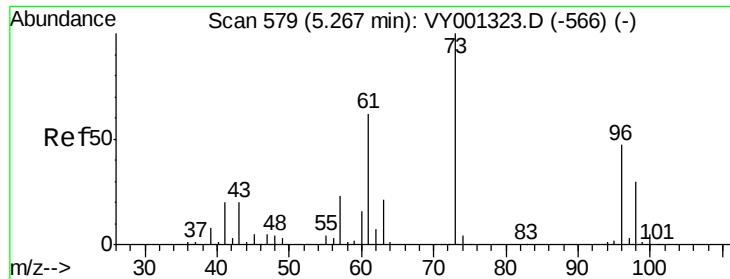


#20

Methylene Chloride
 Concen: 42.836 ug/l
 RT: 4.75 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.3	98.3	147.5
51	37.1	31.6	47.4
86	63.5	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 46.045 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

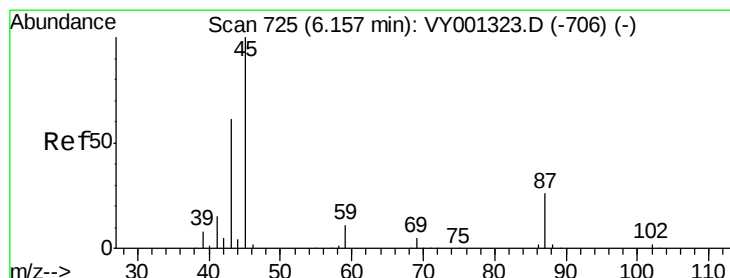
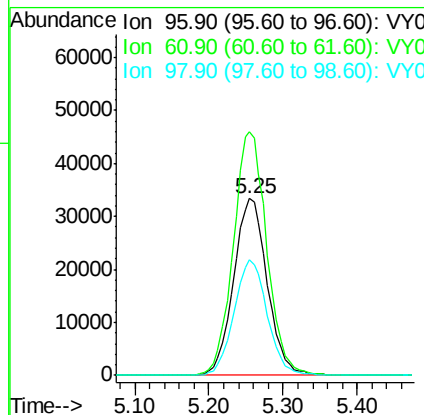
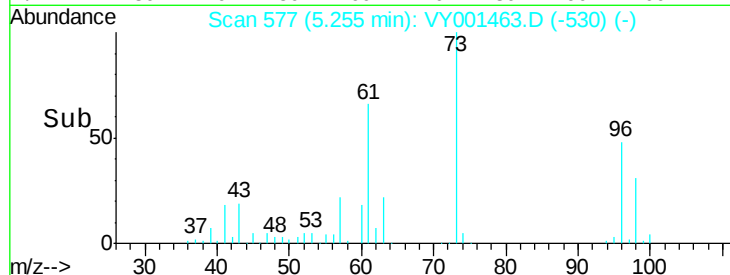
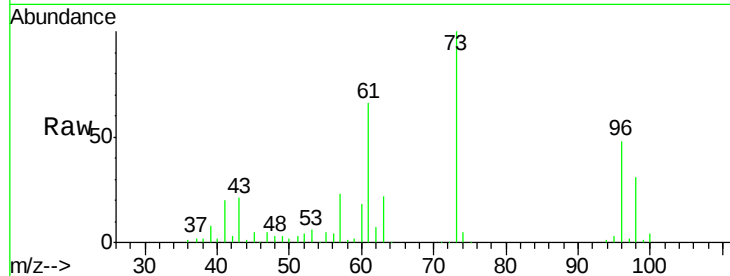
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	105487
Ion	Ratio	Lower	Upper
96	100		
61	137.8	106.8	160.2
98	65.7	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.940 ug/l

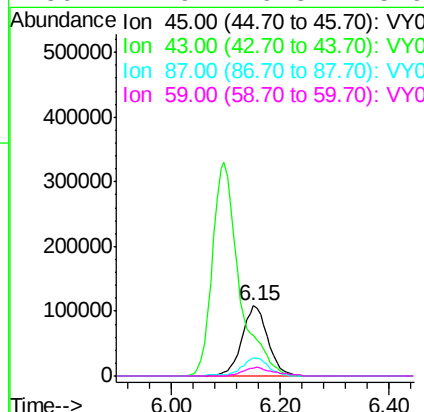
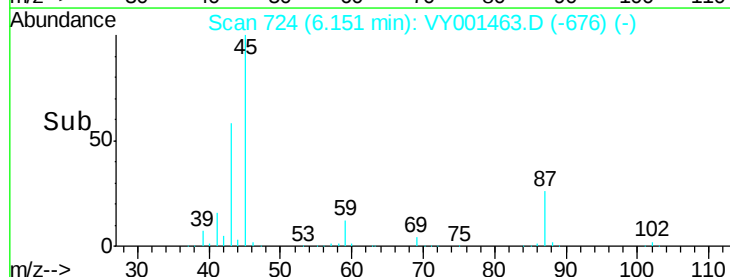
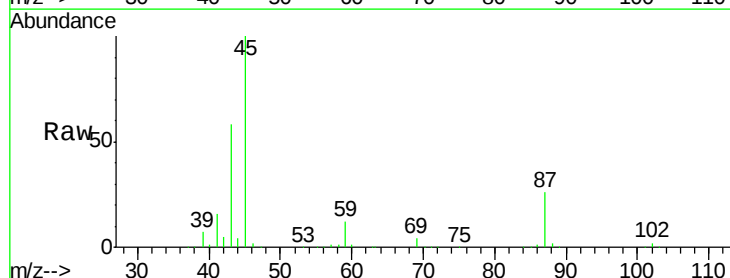
RT: 6.15 min Scan# 724

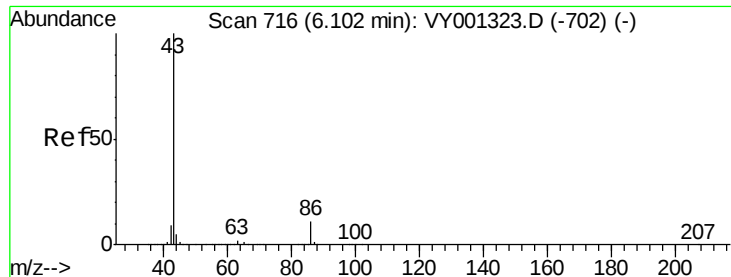
Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion:	45	Resp:	358045
Ion	Ratio	Lower	Upper
45	100		
43	57.5	49.2	73.8
87	26.1	21.4	32.2
59	11.6	9.3	13.9





#23

Vinyl Acetate

Concen: 231.775 ug/l

RT: 6.10 min Scan# 715

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1123801

Ion Ratio Lower Upper

43 100

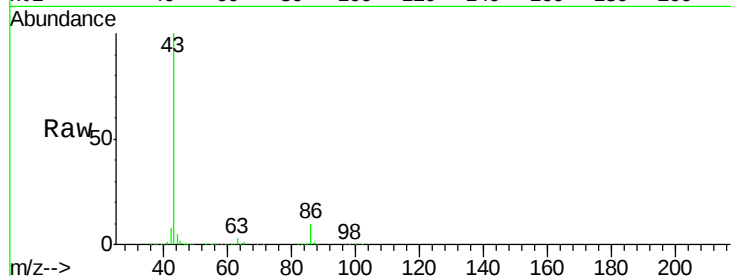
86 10.4 8.6 13.0

Manual Integrations

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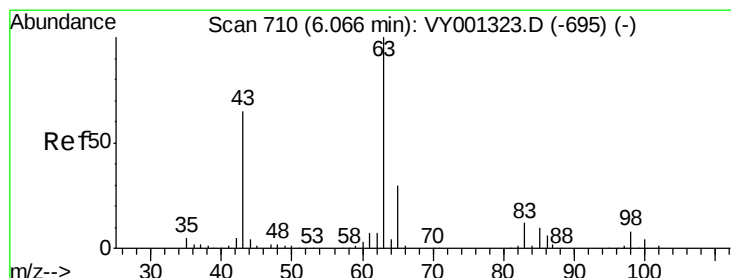
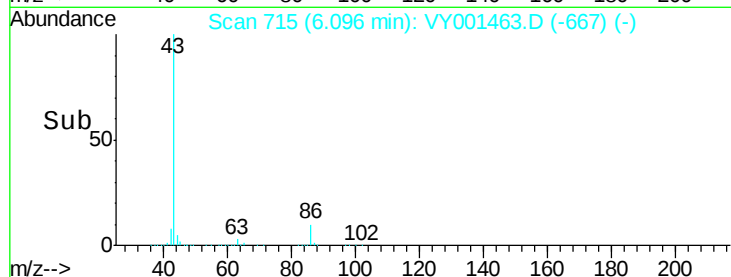
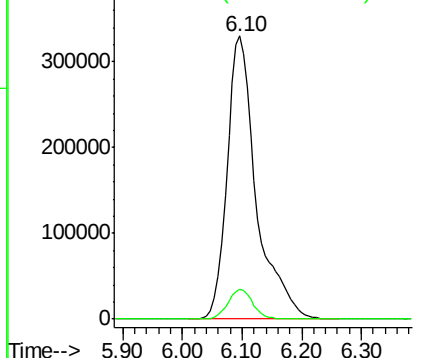
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 48.151 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

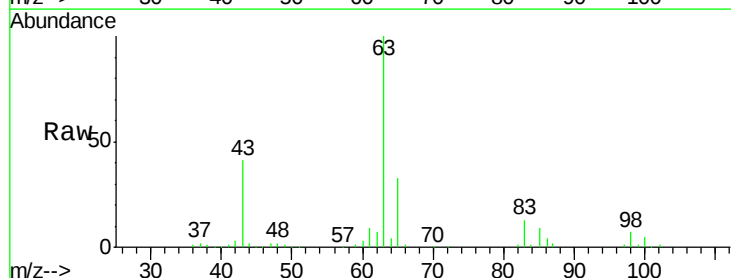
Tgt Ion: 63 Resp: 189555

Ion Ratio Lower Upper

63 100

98 7.2 4.0 12.0

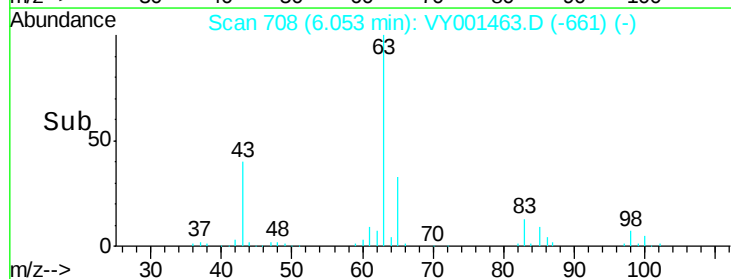
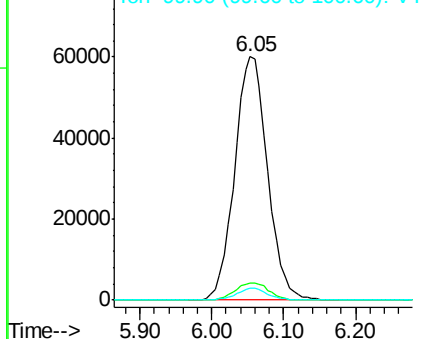
100 5.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 239.242 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 210478

Ion Ratio Lower Upper

43 100

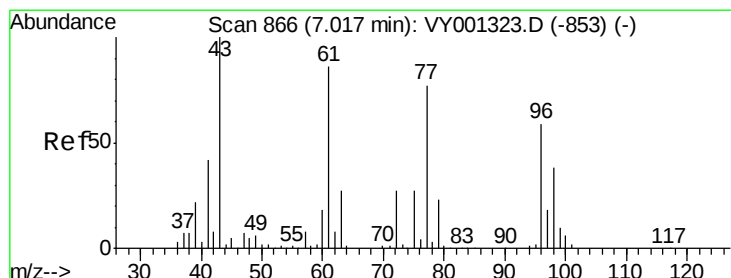
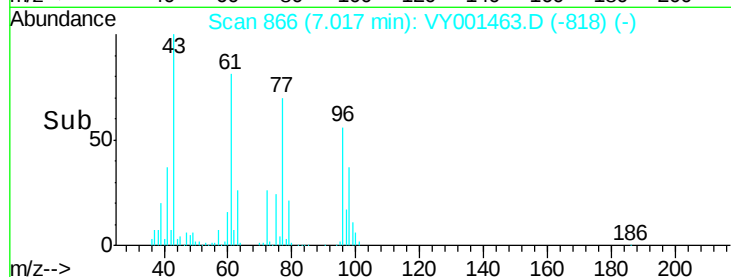
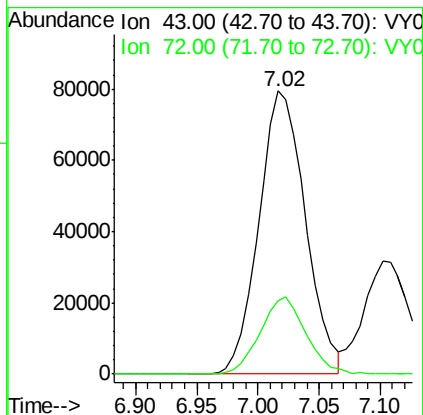
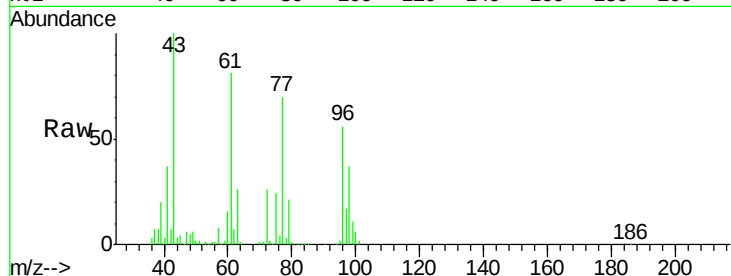
72 26.2 20.6 31.0

Manual Integrations

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MMDadoda

2/4/2020 11:21:39 AM



#26

2,2-Dichloropropane

Concen: 48.149 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001463.D

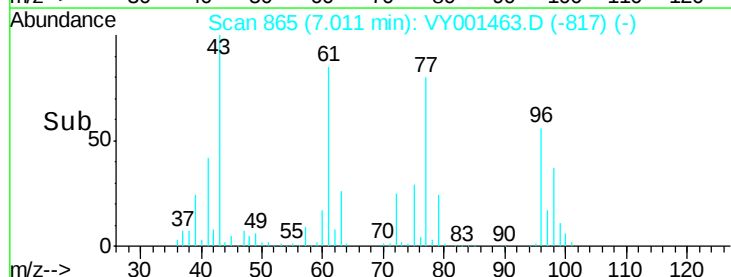
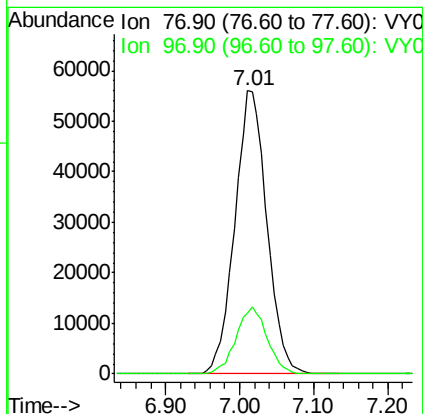
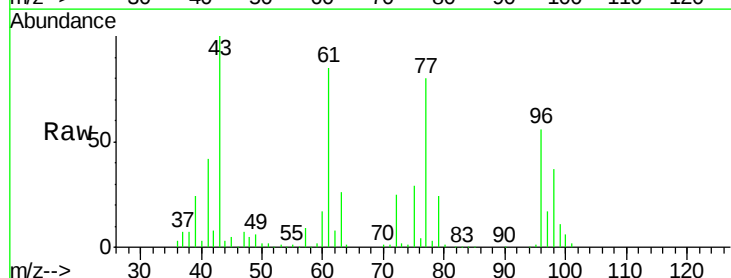
Acq: 03 Feb 2020 10:36

Tgt Ion: 77 Resp: 168838

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.5





#27

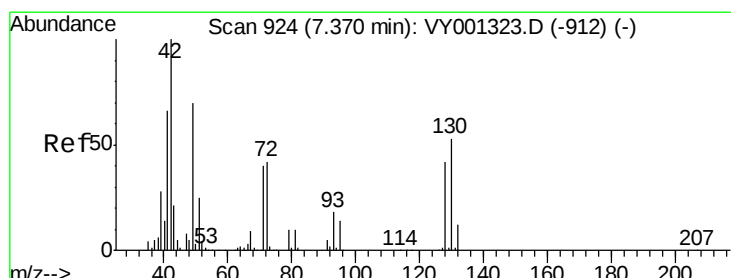
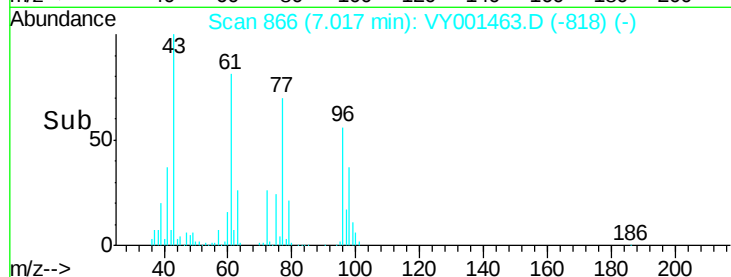
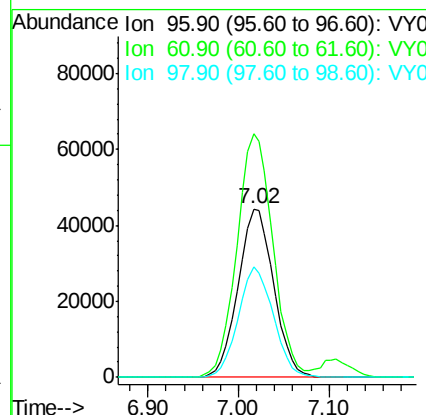
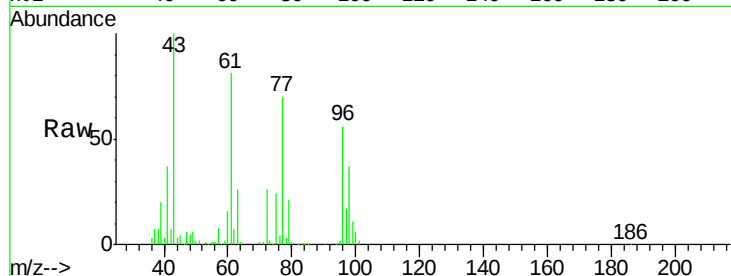
cis-1,2-Dichloroethene
Concen: 47.318 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	121150		
61	146.4	0.0	284.8	
98	64.6	0.0	128.4	

Manual Integrations
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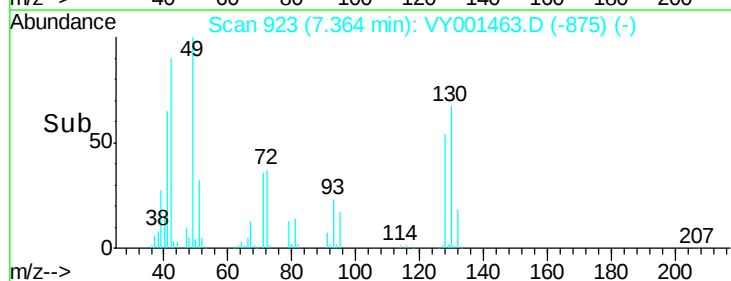
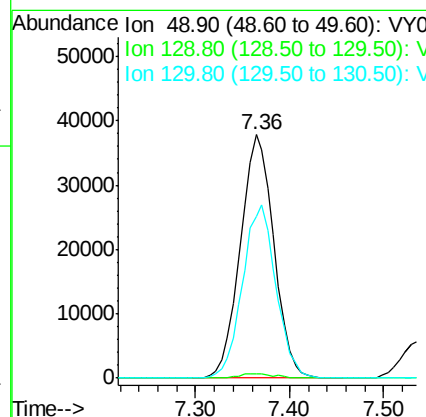
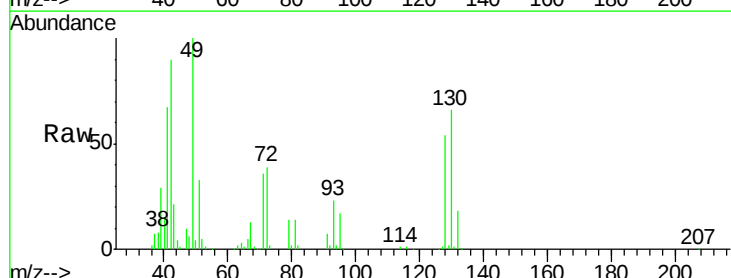
MMDadoda
2/4/2020 11:21:39 AM

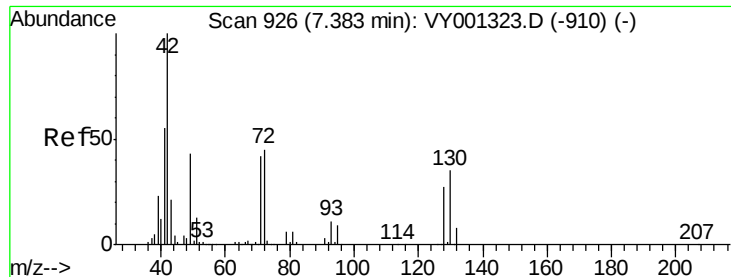


#28

Bromochloromethane
Concen: 57.925 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	94040		
129	1.9	0.0	4.0	
130	71.1	58.9	88.3	





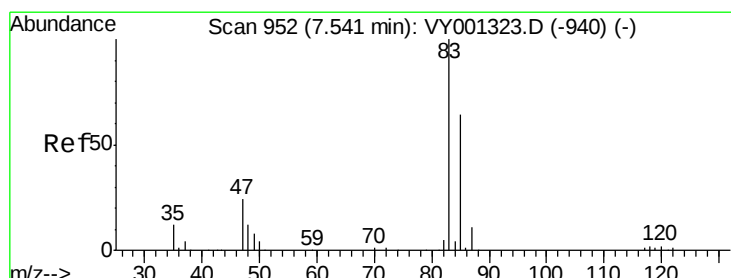
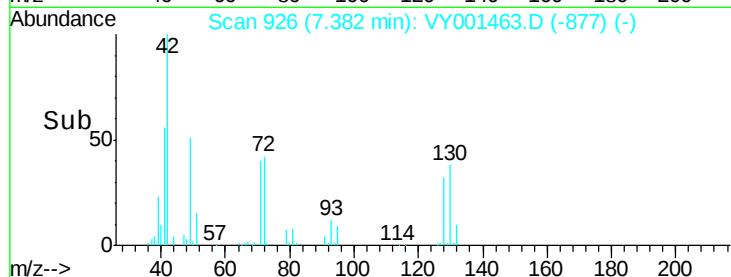
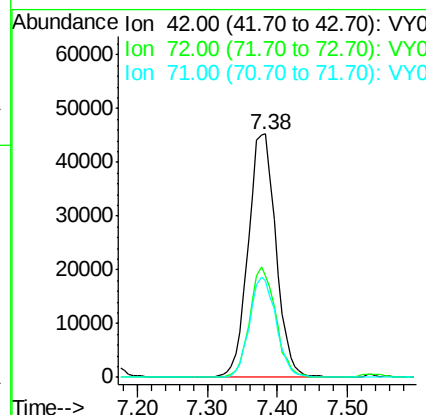
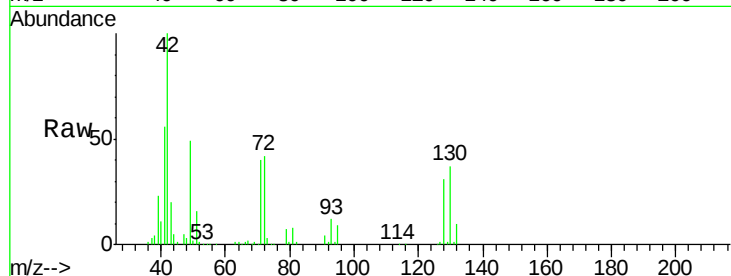
#29
Tetrahydrofuran
Concen: 218.341 ug/l
RT: 7.38 min Scan# 926
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.6	51.8
71	39.2	32.6	48.8

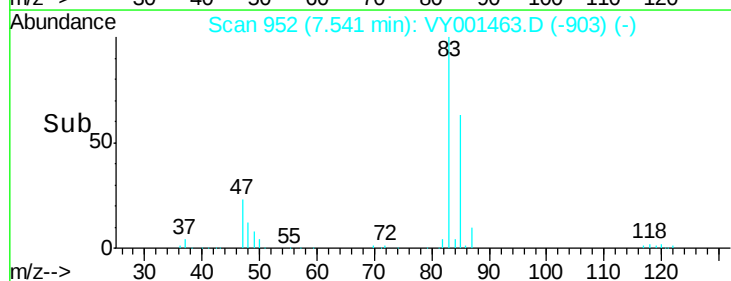
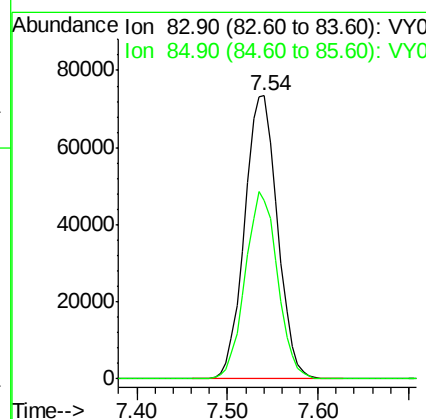
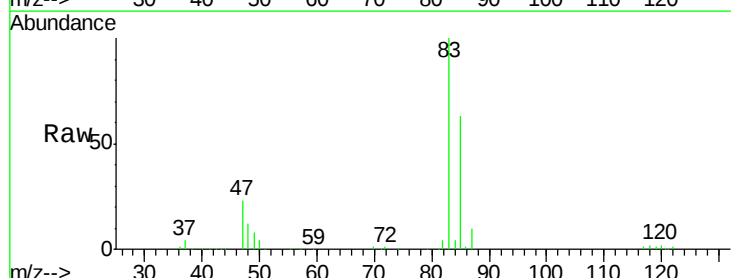
Manual Integrations
APPROVED

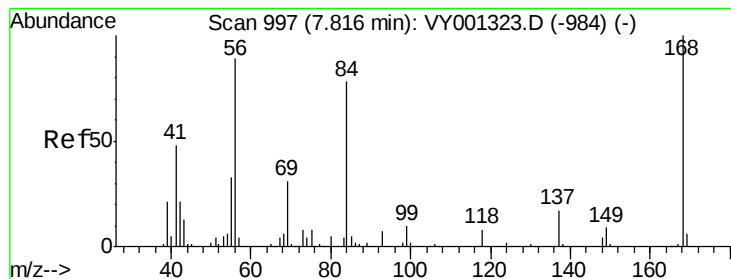
MMDadoda
2/4/2020 11:21:39 AM



#30
Chloroform
Concen: 47.804 ug/l
RT: 7.54 min Scan# 952
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.5	77.3





#31

Cyclohexane

Concen: 46.566 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 182006

Ion Ratio Lower Upper

56 100

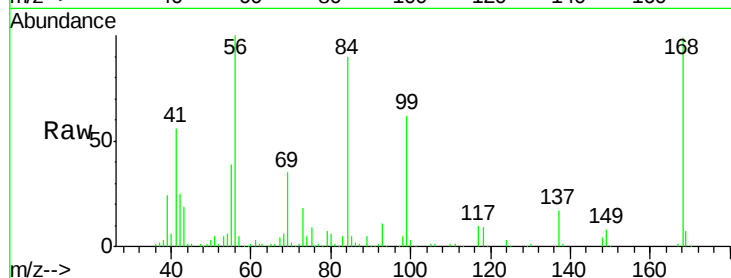
69 34.7 27.6 41.4

84 88.0 69.7 104.5

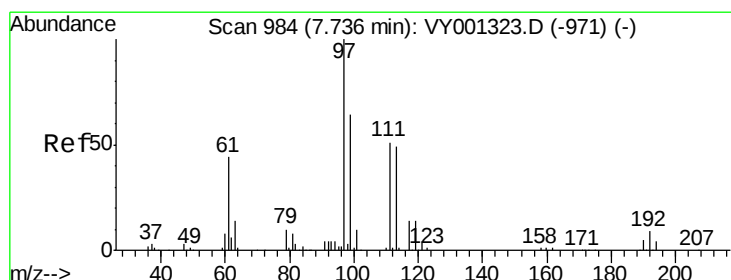
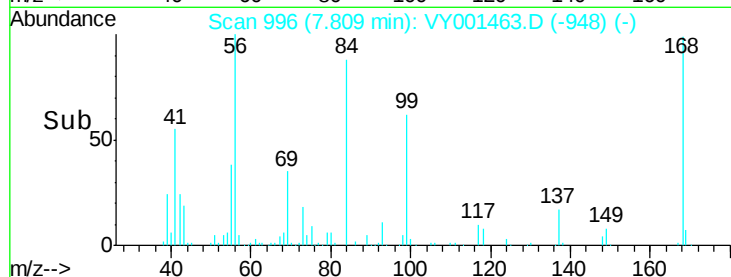
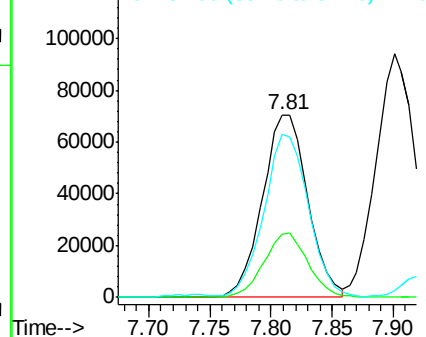
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 48.944 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

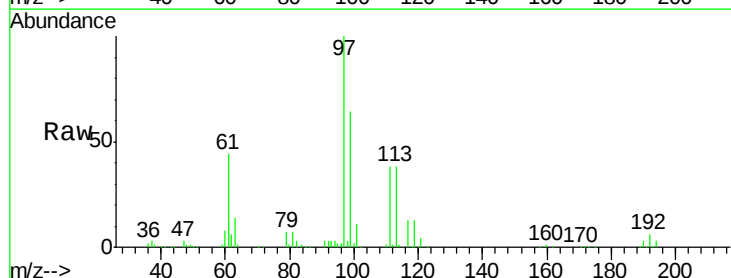
Tgt Ion: 97 Resp: 159463

Ion Ratio Lower Upper

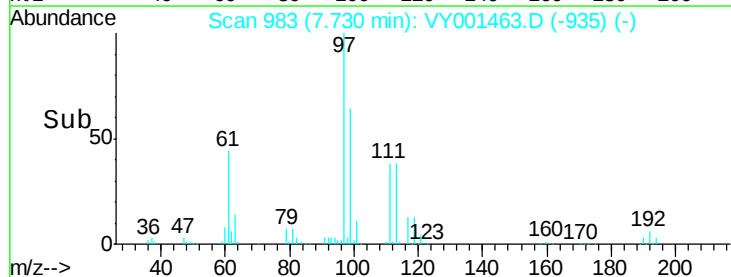
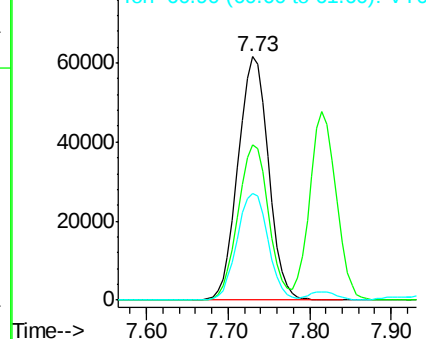
97 100

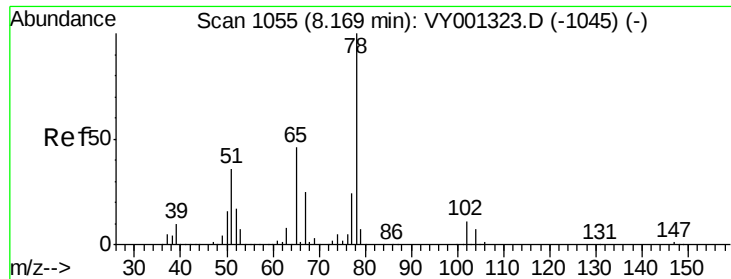
99 64.4 51.3 76.9

61 44.6 35.9 53.9



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





#33

1,2-Dichloroethane-d4

Concen: 51.428 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 103950

Ion Ratio Lower Upper

65 100

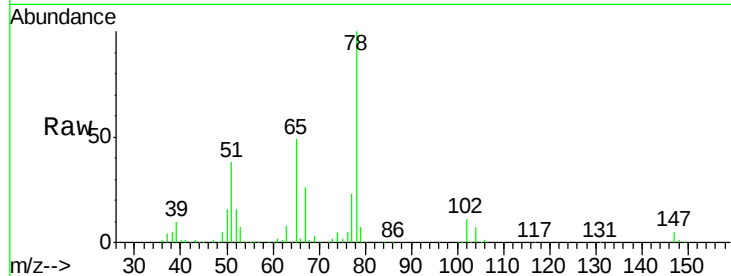
67 55.0 0.0 108.6

Manual Integrations

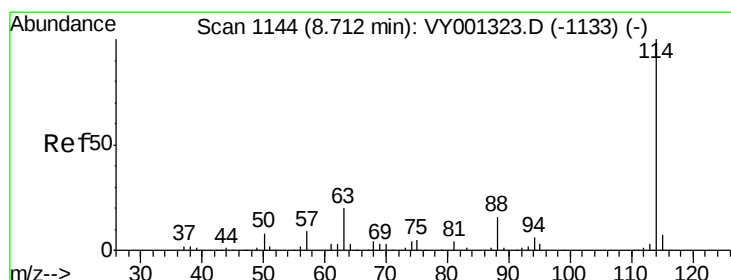
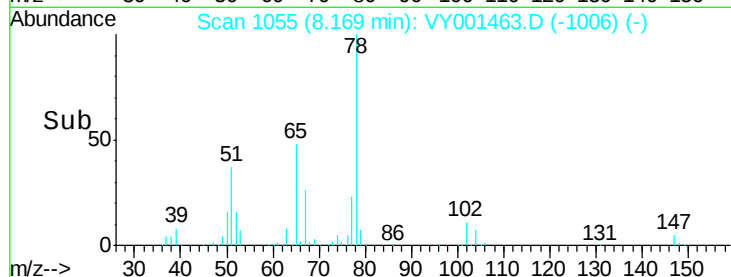
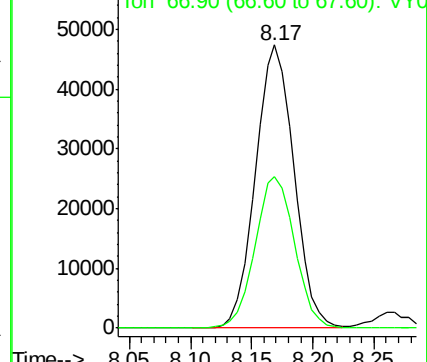
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Abundance Ion 64.90 (64.60 to 65.60): VY001463.D (-1006) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

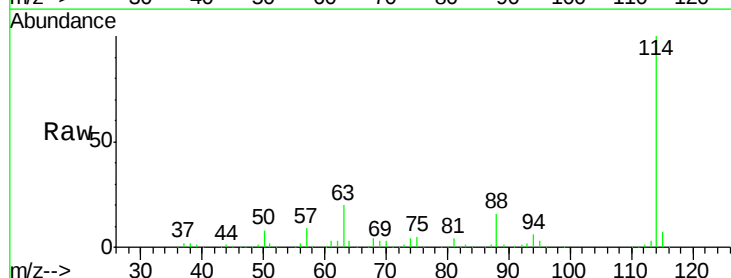
Tgt Ion: 114 Resp: 324087

Ion Ratio Lower Upper

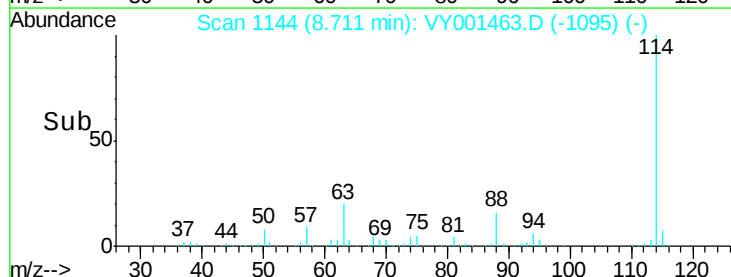
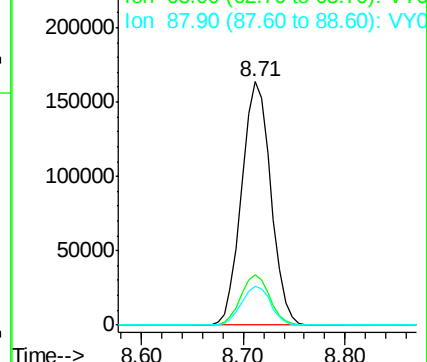
114 100

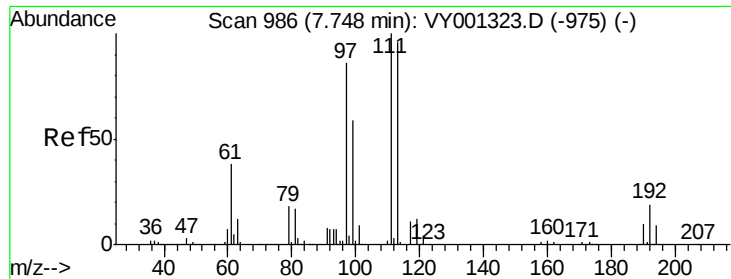
63 20.4 0.0 40.8

88 16.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VY001463.D (-1095) (-)





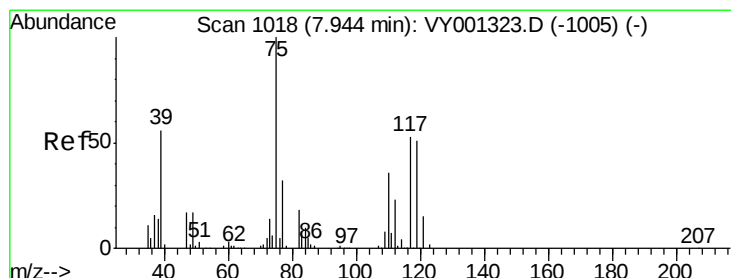
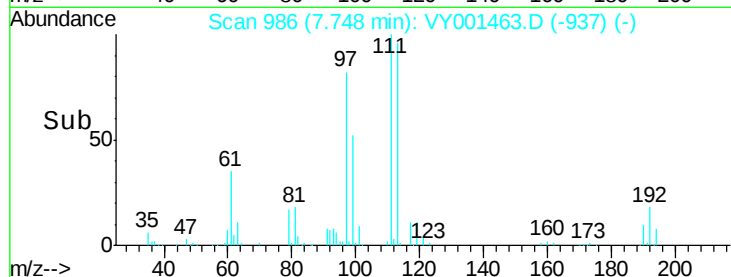
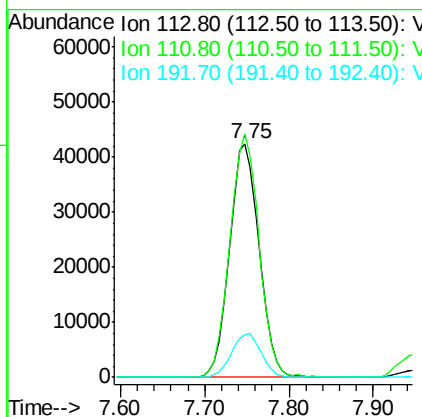
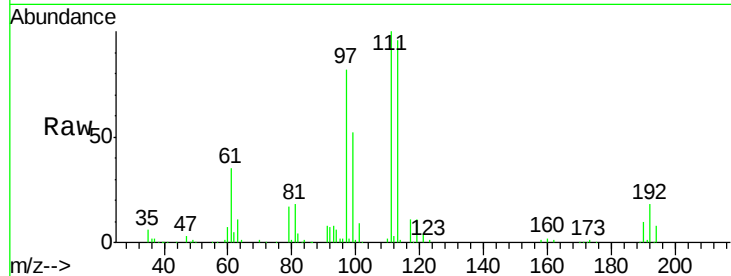
#35
Dibromofluoromethane
Concen: 52.978 ug/l
RT: 7.75 min Scan# 986
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100770		
111	102.9	82.8	124.2	
192	18.6	15.5	23.3	

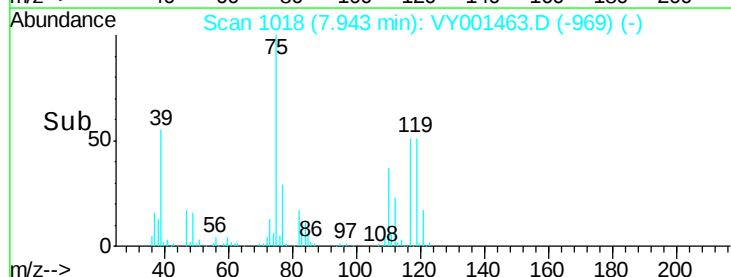
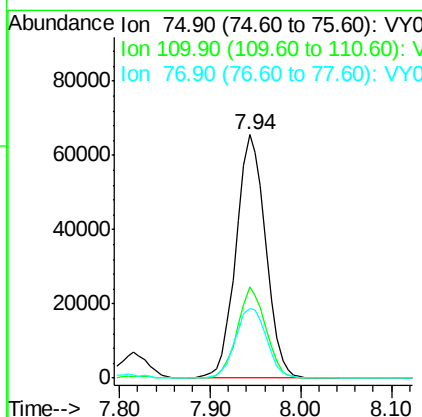
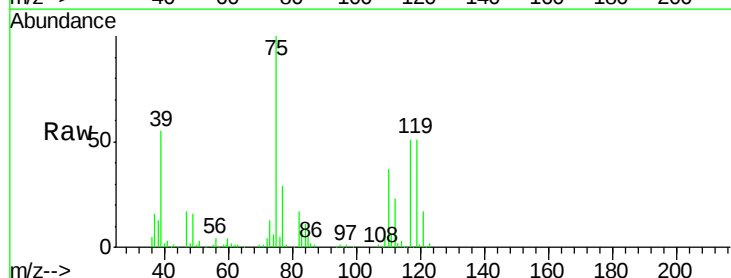
Manual Integrations
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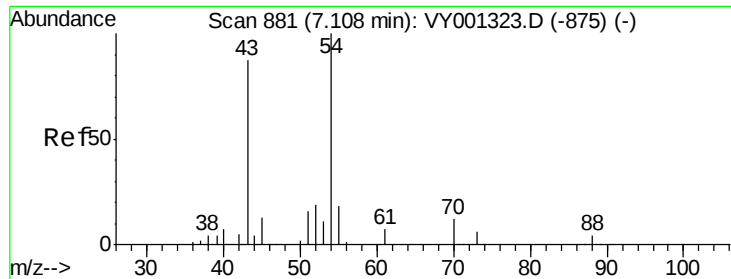
MMDadoda
2/4/2020 11:21:39 AM



#36
1,1-Dichloropropene
Concen: 48.457 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148366		
110	35.9	17.6	52.8	
77	30.5	24.7	37.1	





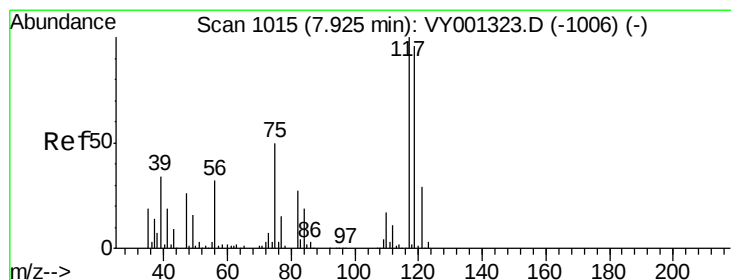
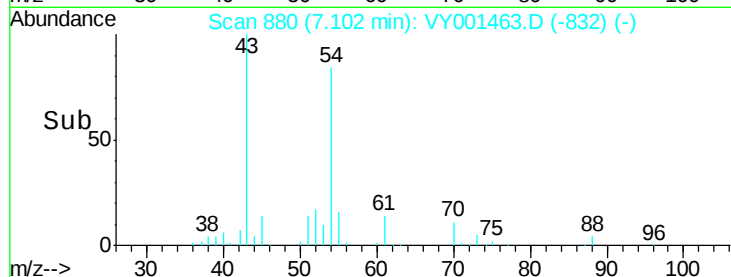
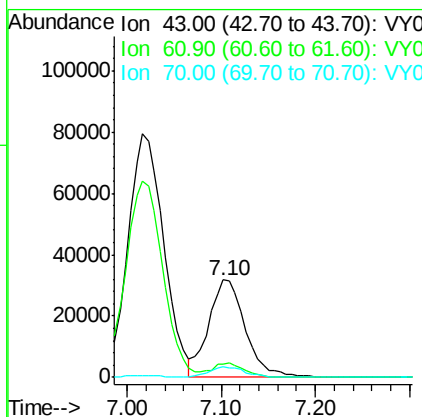
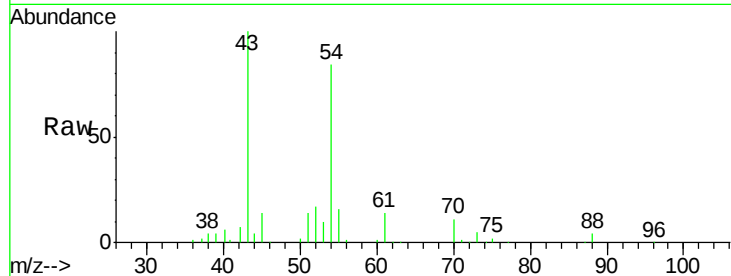
#37
Ethyl Acetate
Concen: 45.772 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	10.4	8.7	13.1

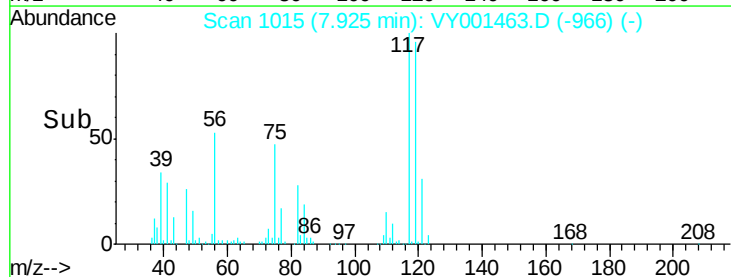
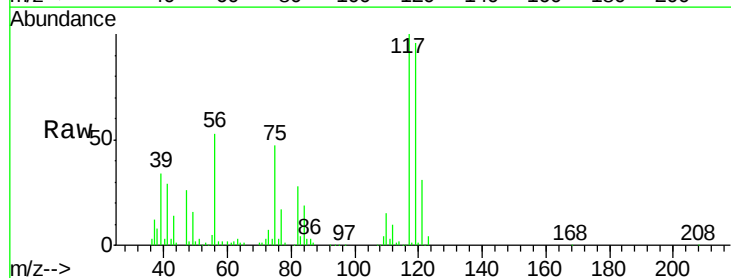
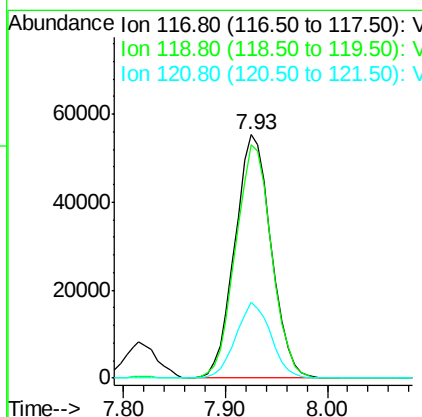
Manual Integrations
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2/4/2020 11:21:39 AM



#38
Carbon Tetrachloride
Concen: 50.052 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.3	114.5
121	31.2	23.5	35.3





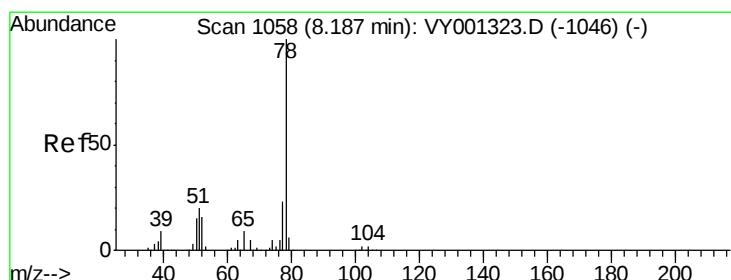
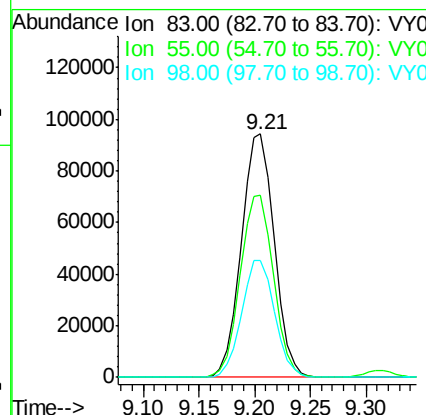
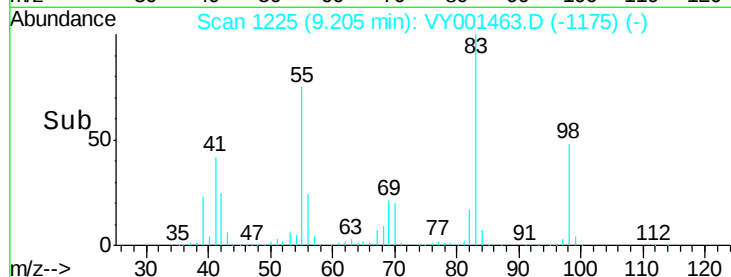
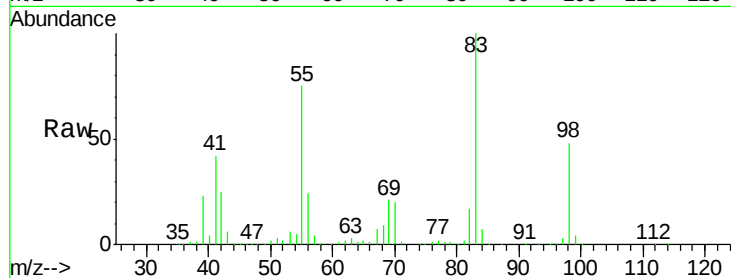
#39
Methvlcvclohexane
Concen: 49.399 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.7	91.1
98	47.8	37.8	56.8

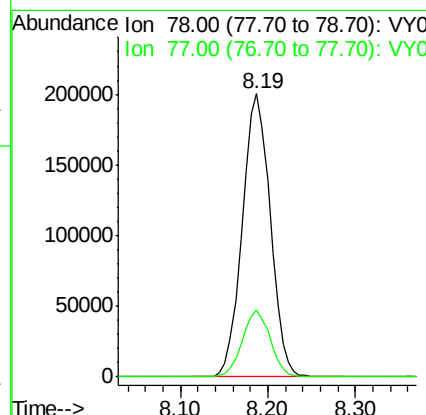
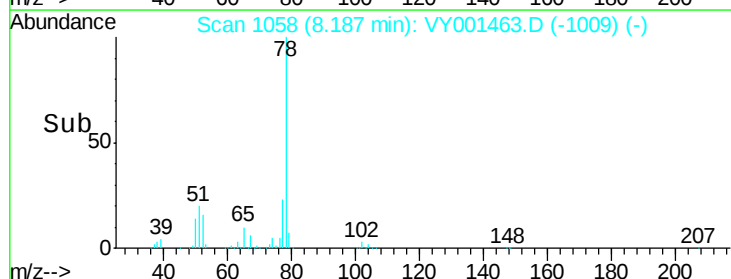
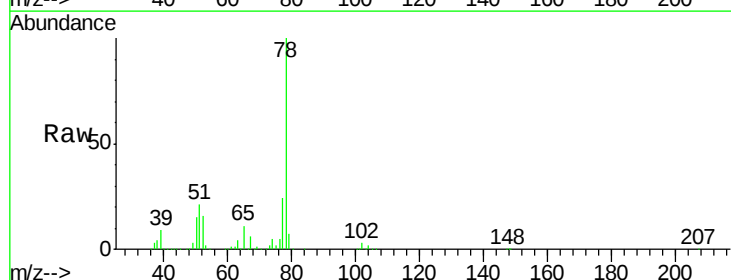
Manual Integrations
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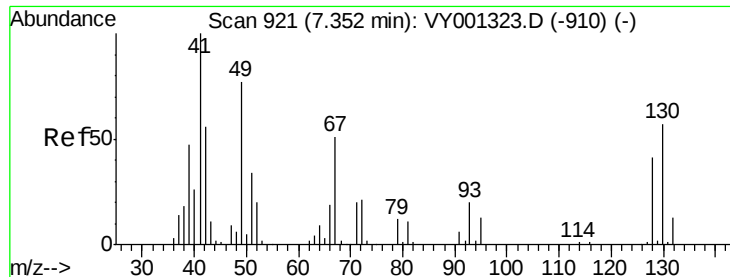
MMDadoda
2/4/2020 11:21:39 AM



#40
Benzene
Concen: 48.547 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8





#41

Methacrylonitrile

Concen: 57.006 ug/l m

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 55030

Ion Ratio Lower Upper

41 100

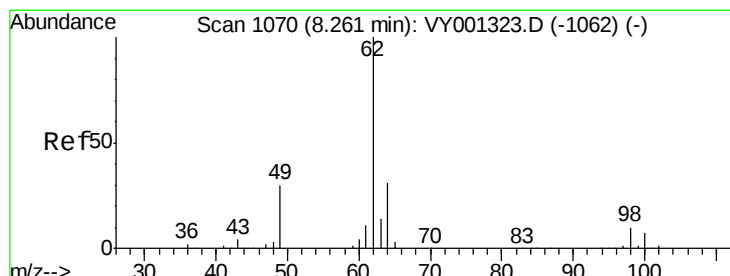
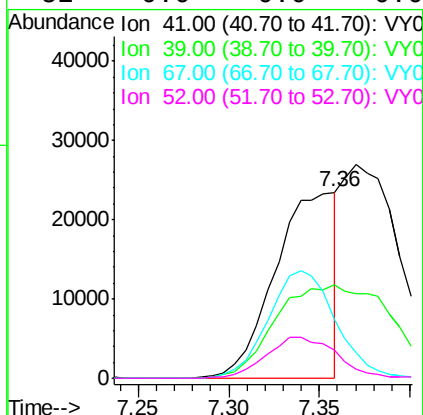
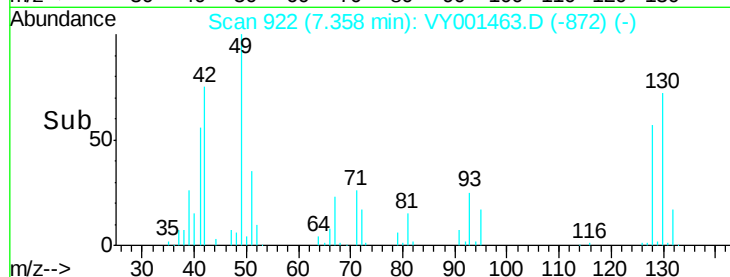
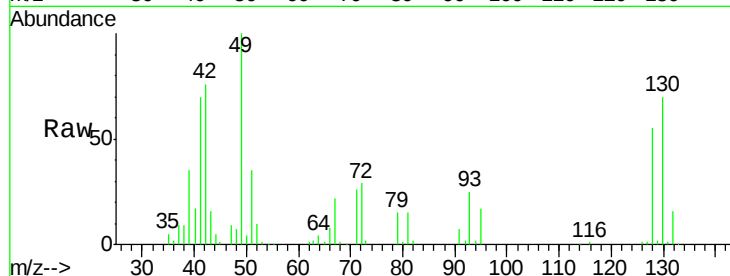
39 95.6 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda
2/4/2020 11:21:39 AM



#42

1,2-Dichloroethane

Concen: 47.197 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VY001463.D

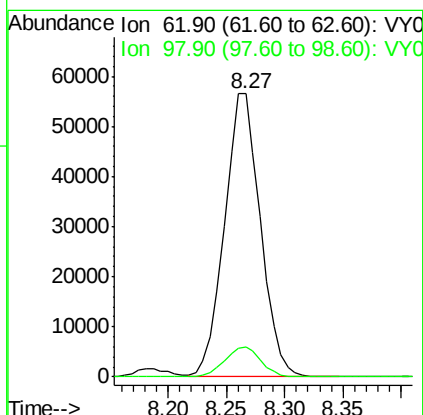
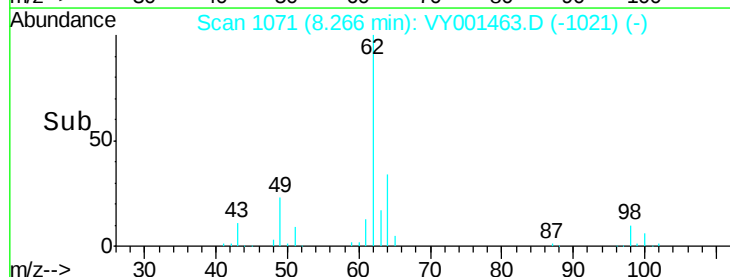
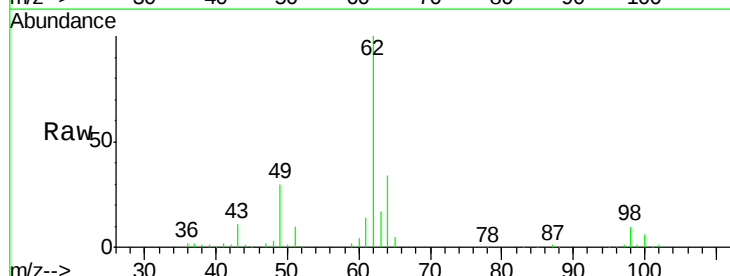
Acq: 03 Feb 2020 10:36

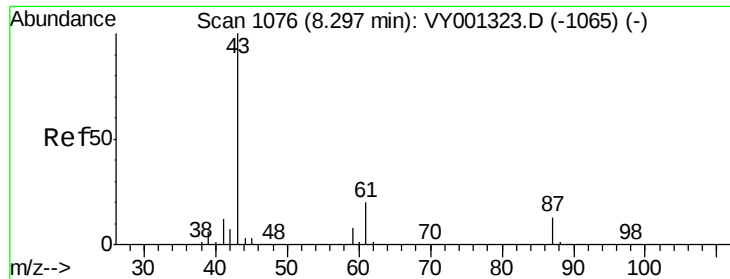
Tgt Ion: 62 Resp: 121070

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.8





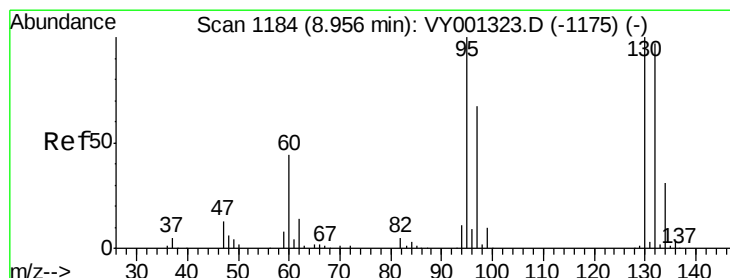
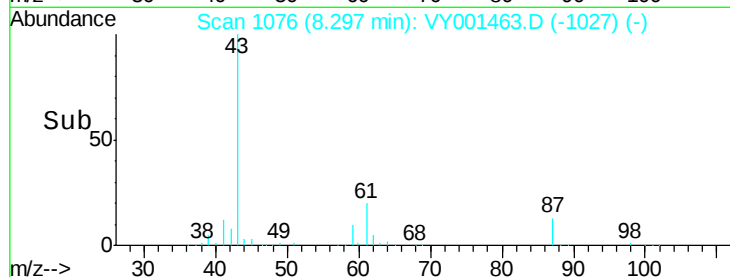
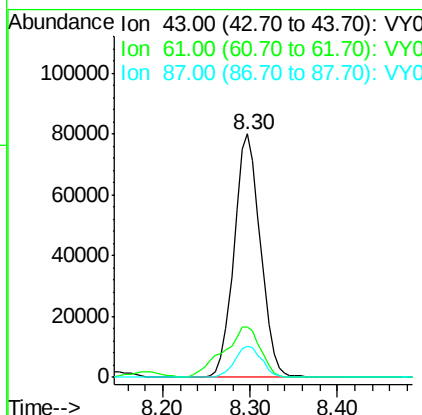
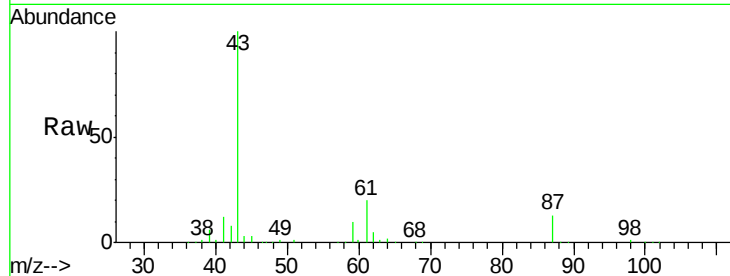
#43
Isopropyl Acetate
Concen: 46.110 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	22.7	34.1
87	13.1	11.0	16.4

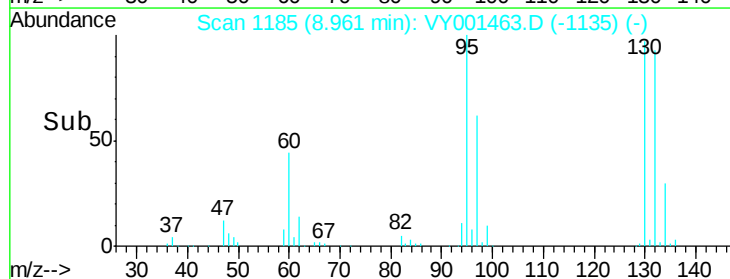
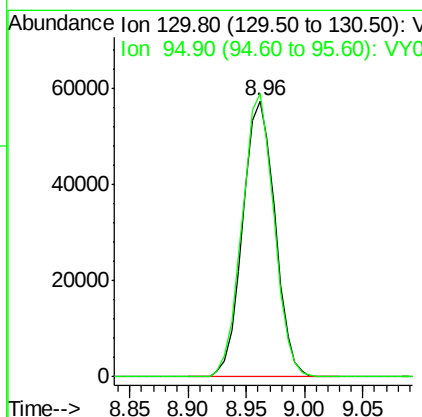
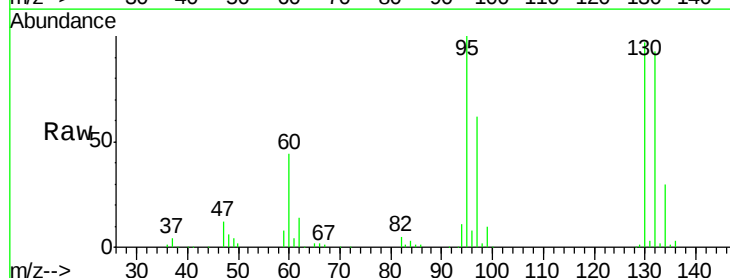
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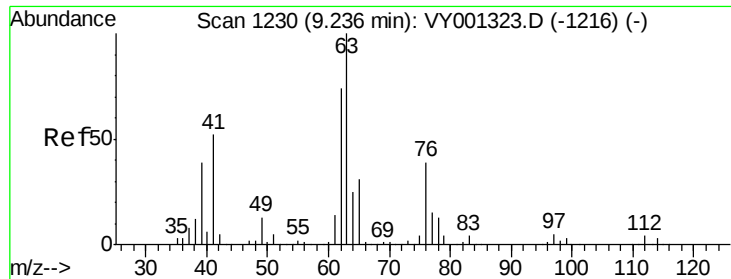
MMDadoda
2/4/2020 11:21:39 AM



#44
Trichloroethene
Concen: 47.384 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	200.0





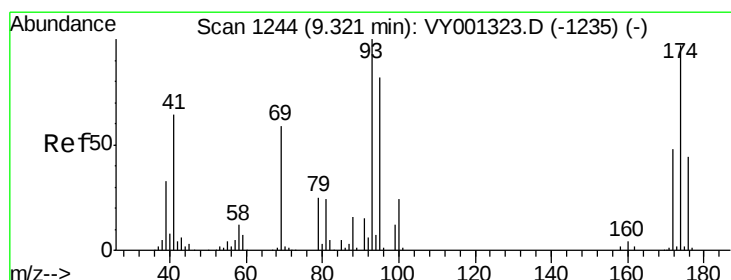
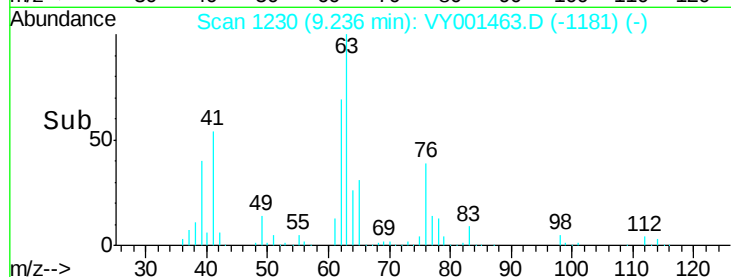
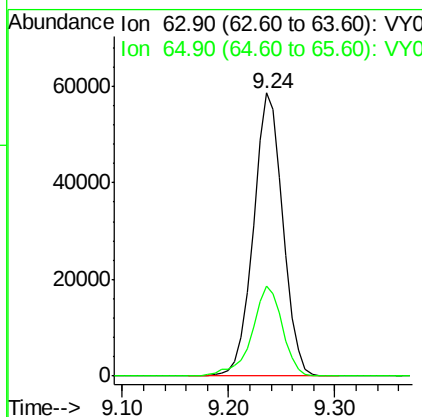
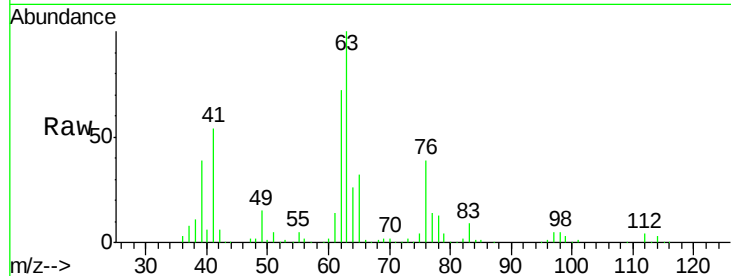
#45
 1,2-Dichloropropane
 Concen: 48.881 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 113442
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.9 37.3

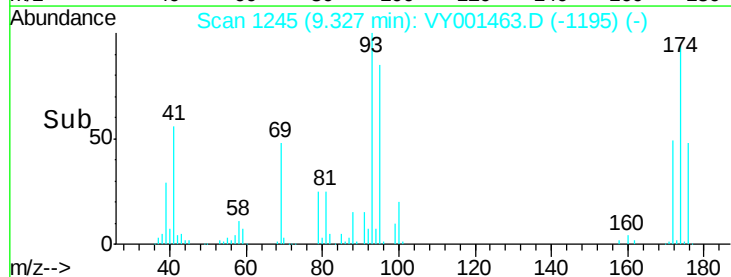
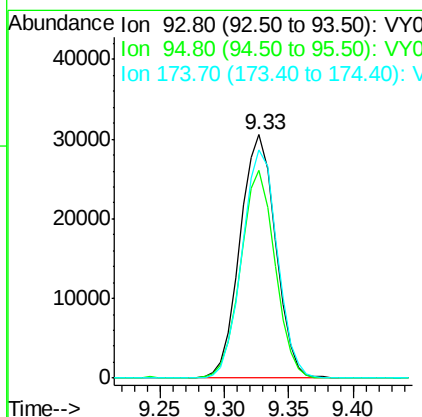
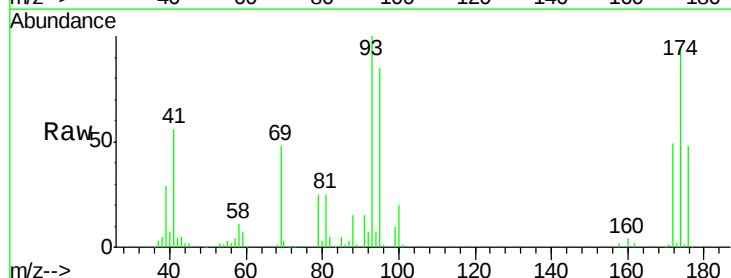
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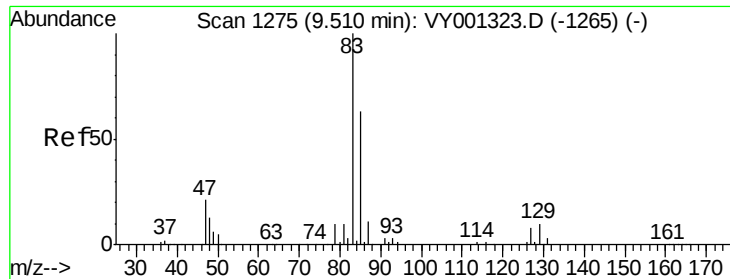
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 2/4/2020 11:21:39 AM



#46
 Dibromomethane
 Concen: 46.908 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 93 Resp: 58444
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.5 99.7
 174 92.8 77.9 116.9





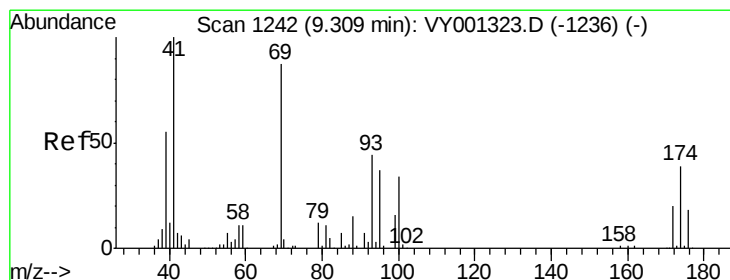
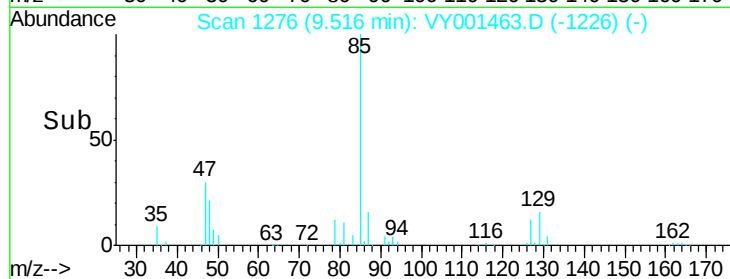
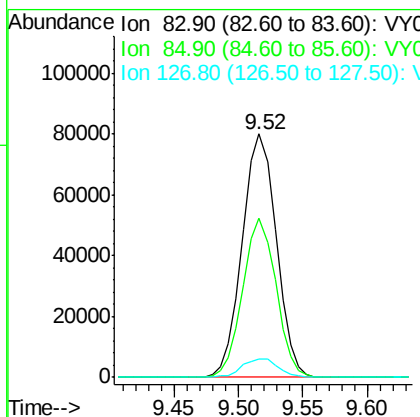
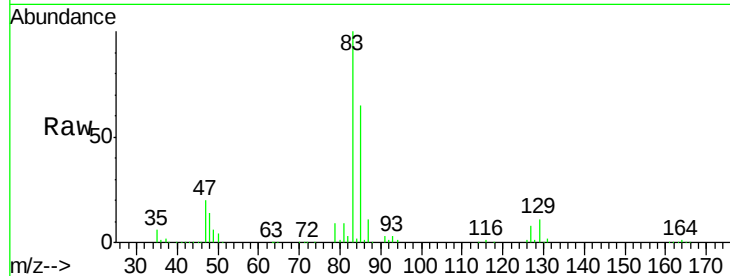
#47
Bromodichloromethane
Concen: 49.392 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	147112
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.2	75.2
127	7.7	6.4	9.6

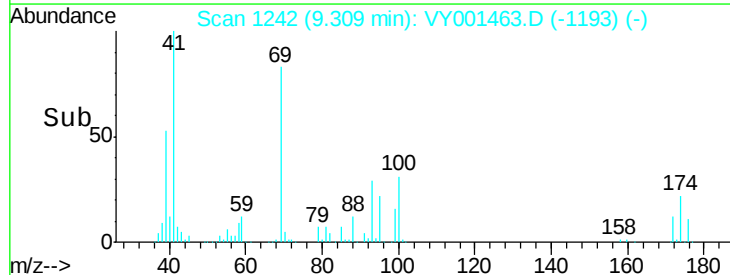
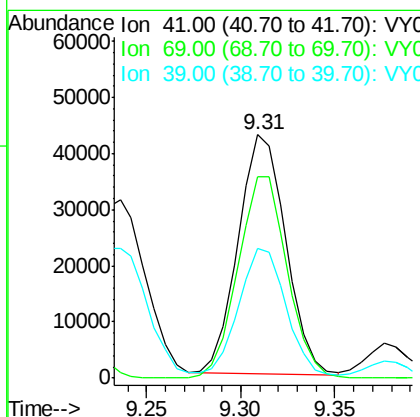
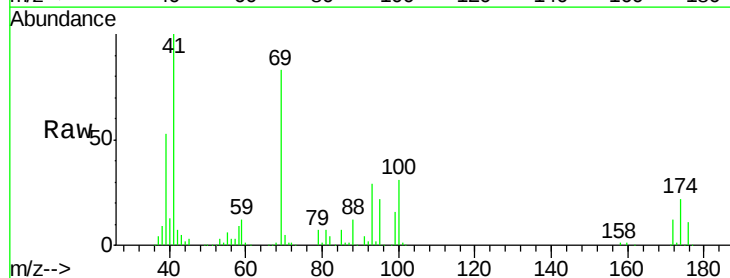
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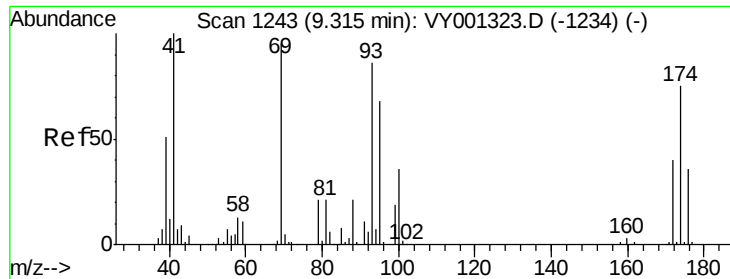
MMDadoda
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#48
Methyl methacrylate
Concen: 45.195 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	41	Resp	74735
Ion Ratio	100	Lower	Upper
41	100		
69	87.1	70.2	105.4
39	54.9	45.7	68.5





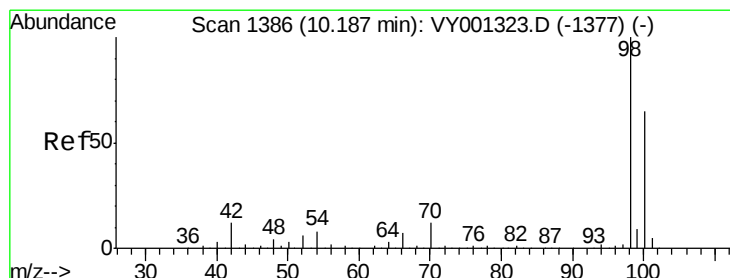
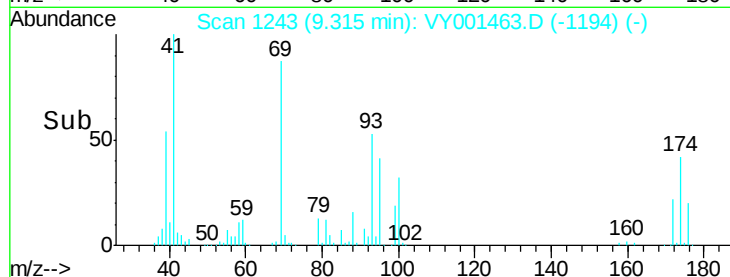
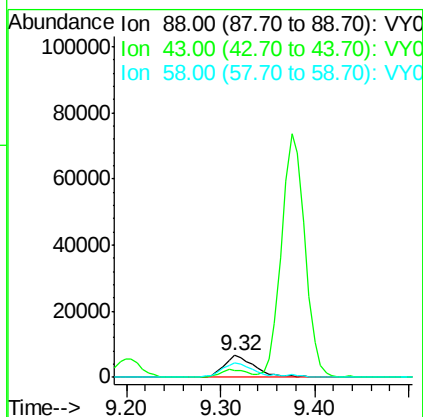
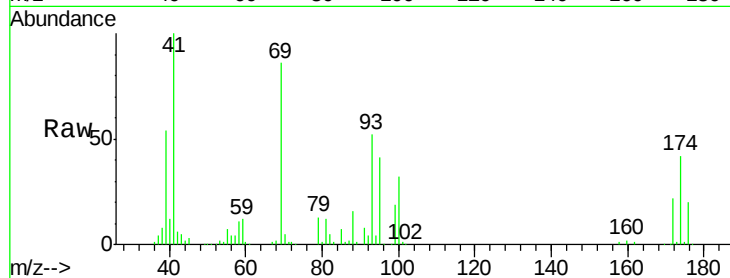
#49
 1,4-Dioxane
 Concen: 891.117 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	28.2	42.2
58	73.8	55.6	83.4

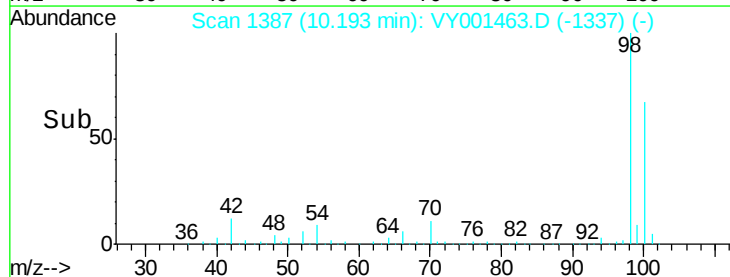
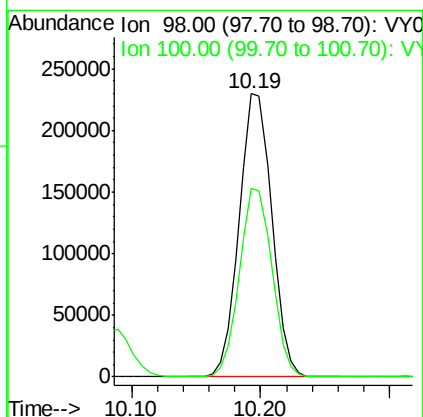
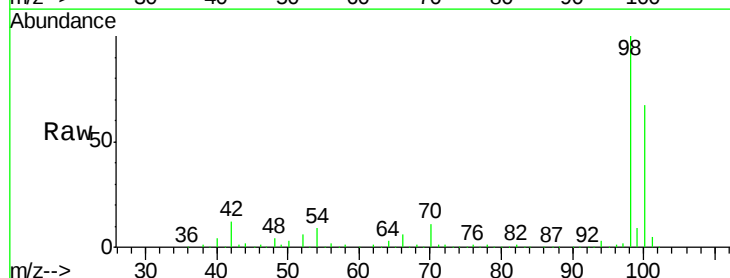
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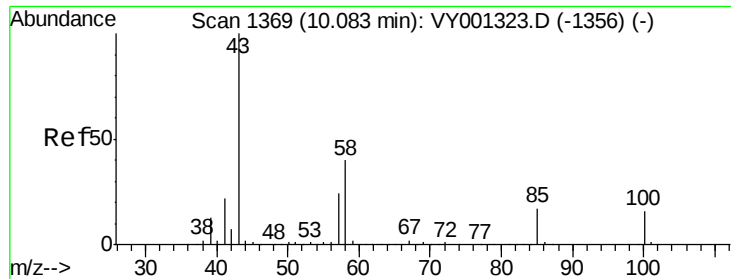
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#50
 Toluene-d8
 Concen: 54.573 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	79.0





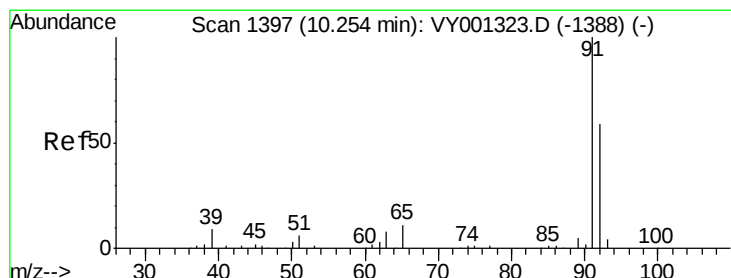
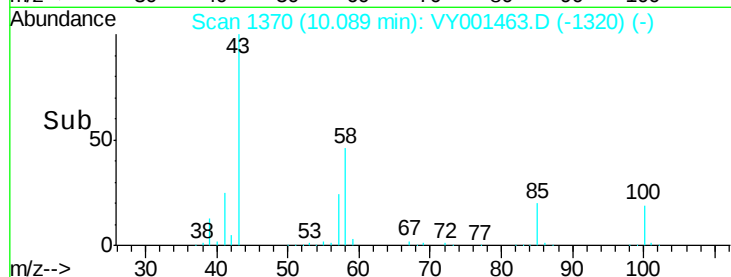
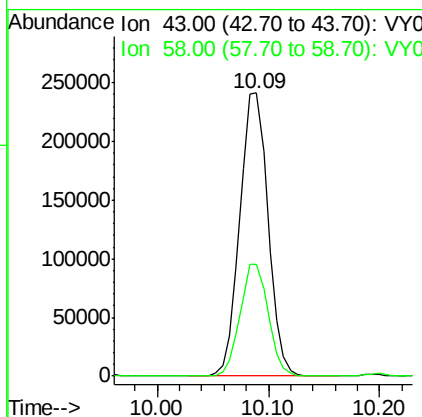
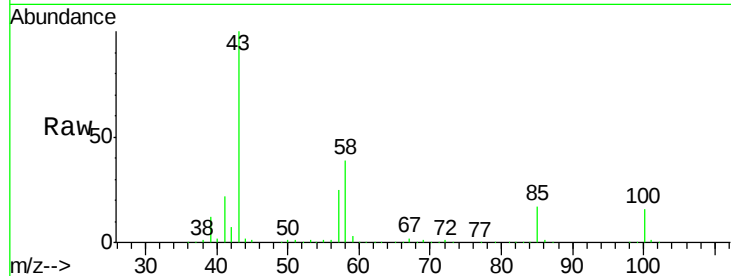
#51
4-Methyl-2-Pentanone
Concen: 227.743 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 426622
Ion Ratio Lower Upper
43 100
58 39.3 31.5 47.3

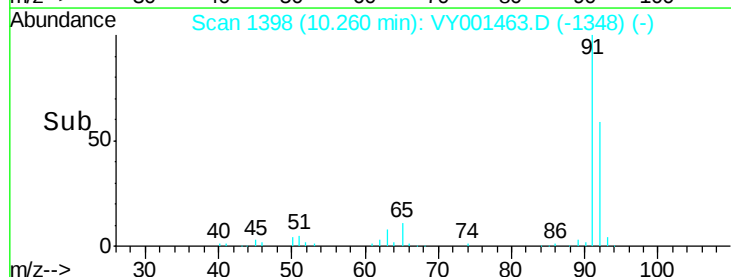
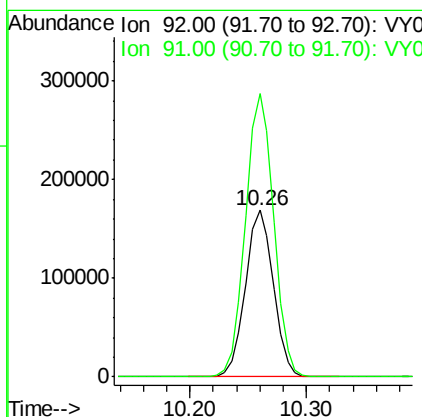
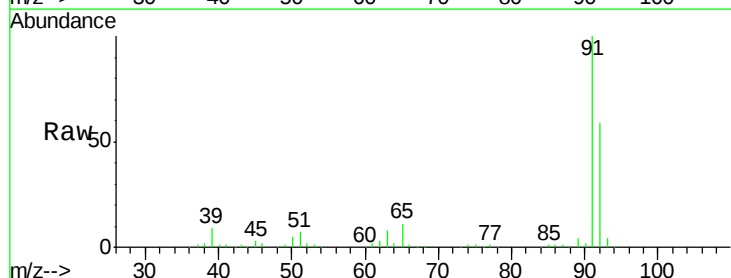
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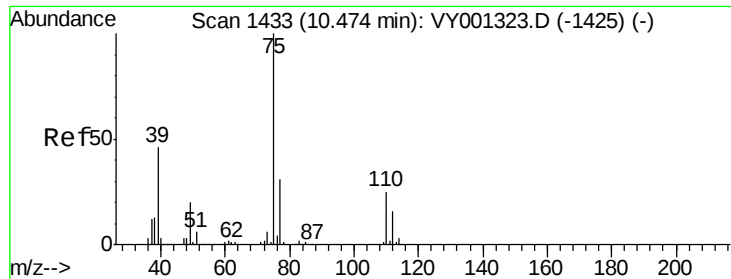
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#52
Toluene
Concen: 48.709 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 92 Resp: 283465
Ion Ratio Lower Upper
92 100
91 171.7 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 48.834 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 161217

Ion Ratio Lower Upper

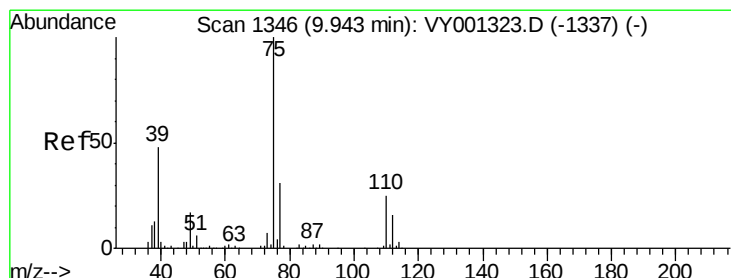
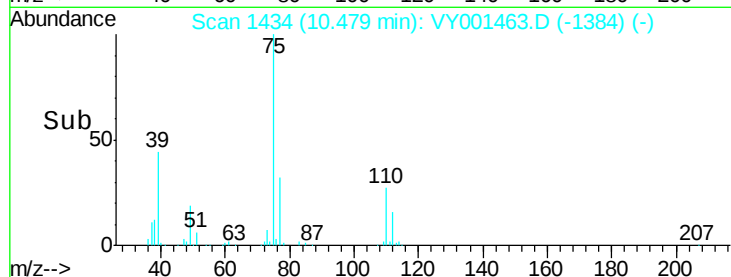
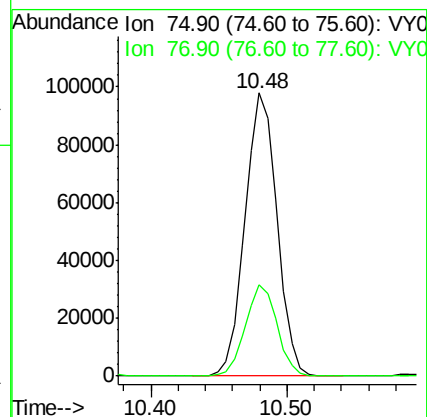
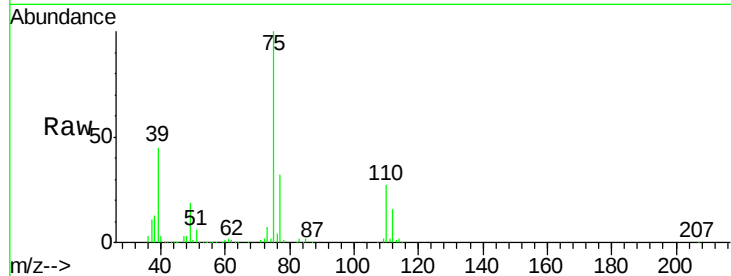
75 100

77 32.1 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 48.777 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

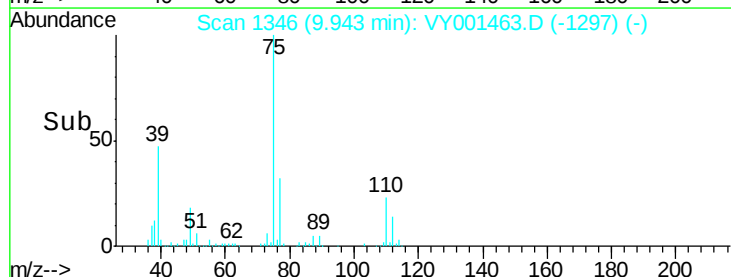
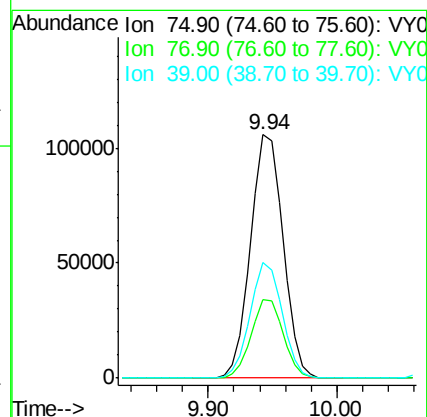
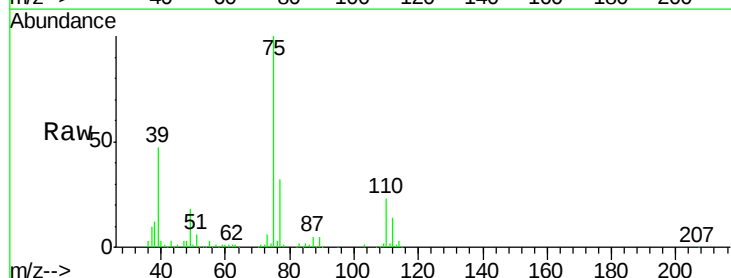
Tgt Ion: 75 Resp: 184824

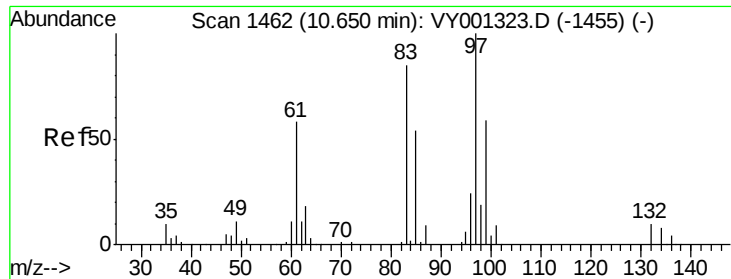
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6

39 47.2 38.2 57.4





#55

1,1,2-Trichloroethane

Concen: 48.011 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

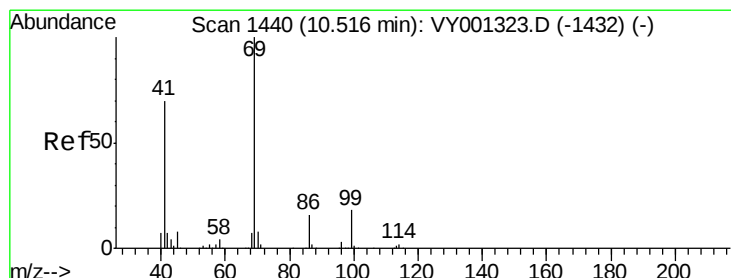
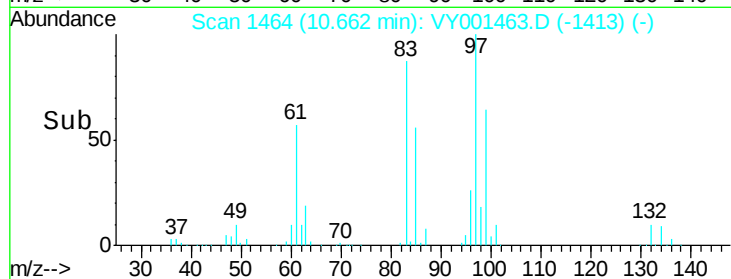
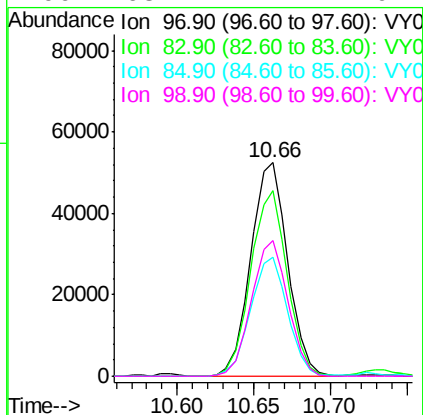
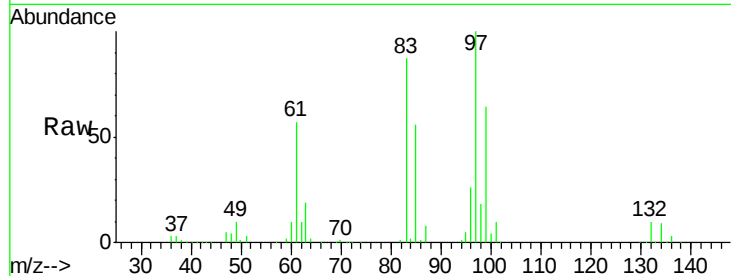
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	88291
Ion Ratio	Lower	Upper	
97	100		
83	87.1	68.0	102.0
85	55.7	43.6	65.4
99	63.7	47.1	70.7

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#56

Ethyl methacrylate

Concen: 46.995 ug/l

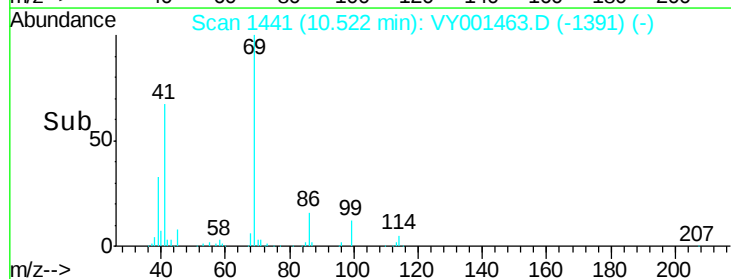
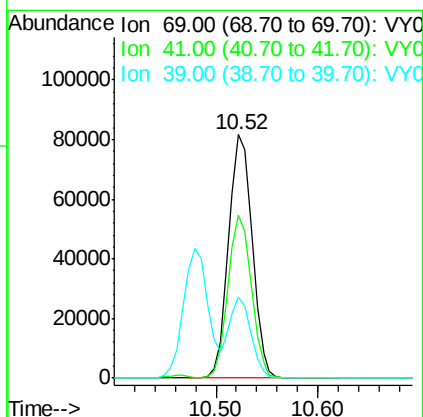
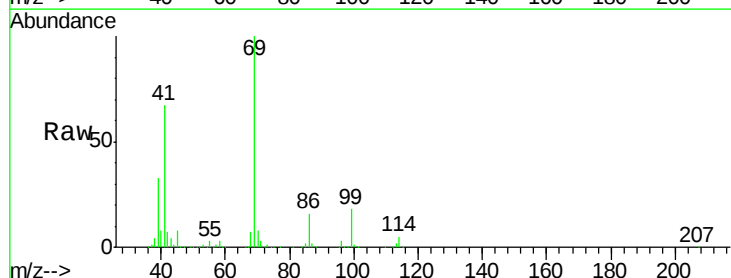
RT: 10.52 min Scan# 1441

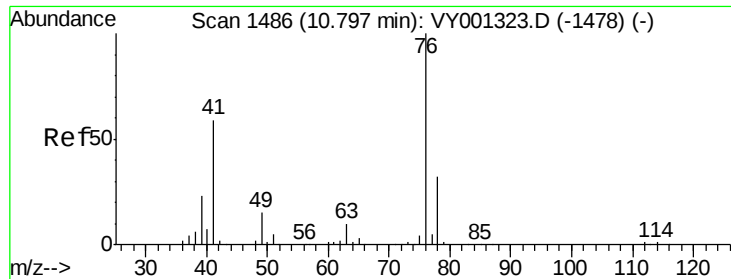
Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion:	69	Resp:	130622
Ion Ratio	Lower	Upper	
69	100		
41	65.7	54.1	81.1
39	31.0	26.8	40.2





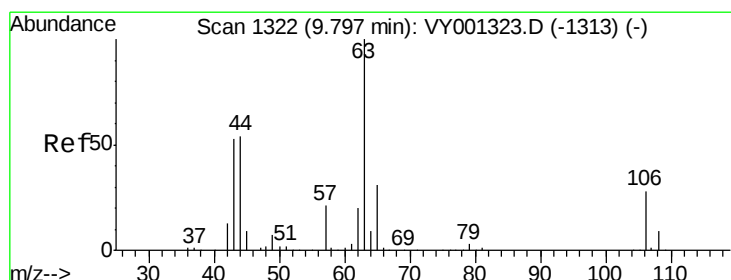
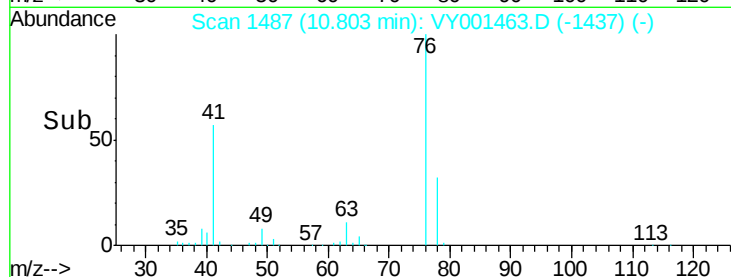
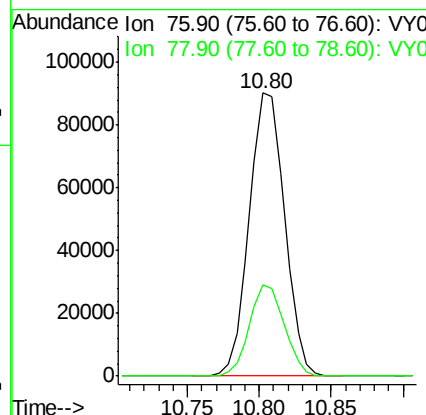
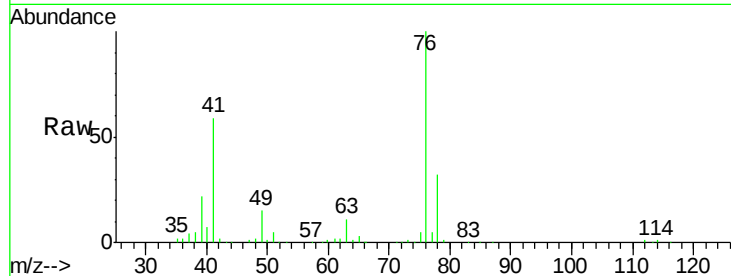
#57
 1,3-Dichloropropane
 Concen: 47.911 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 153480
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

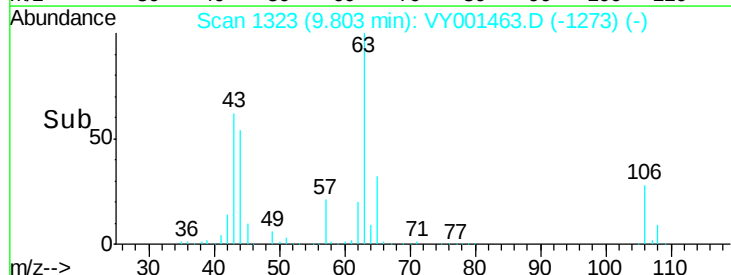
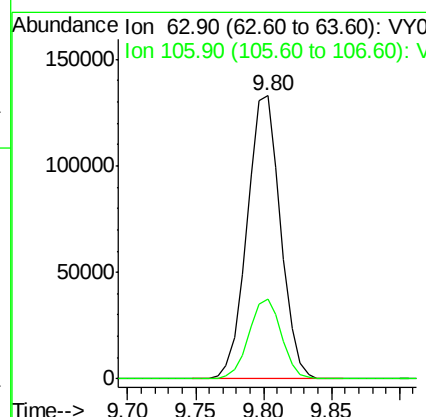
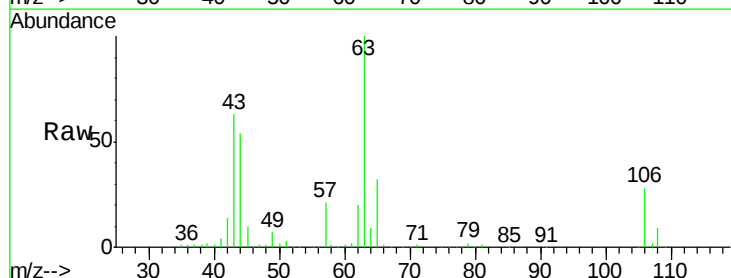
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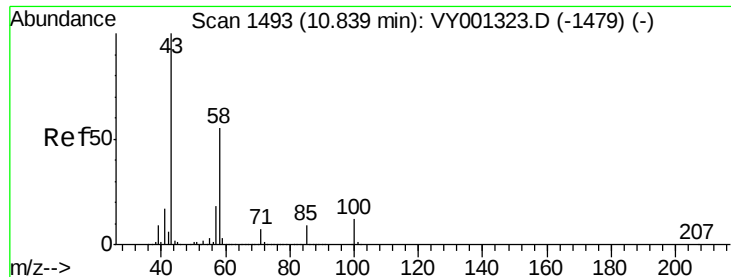
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#58
 2-Chloroethyl Vinyl ether
 Concen: 237.591 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 63 Resp: 228514
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.5 33.7





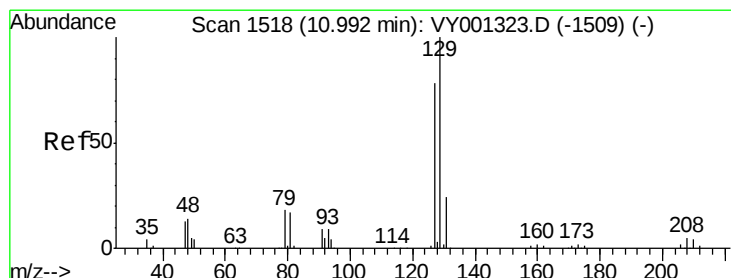
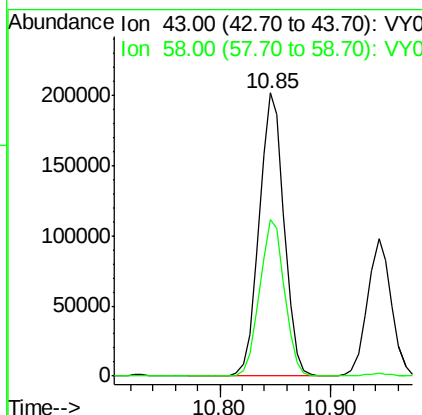
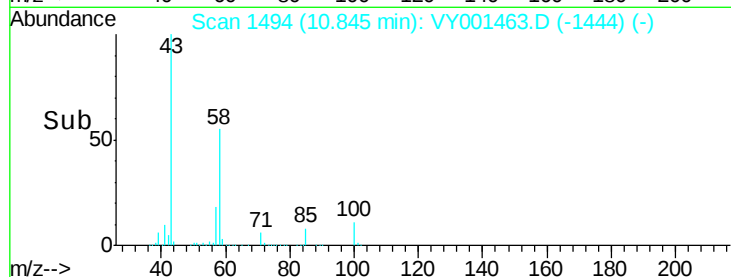
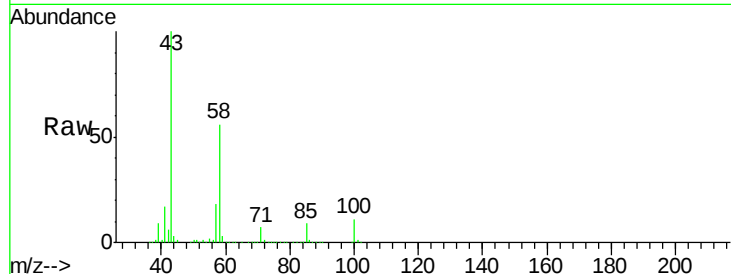
#59
2-Hexanone
Concen: 241.127 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 314457
Ion Ratio Lower Upper
43 100
58 55.5 27.6 82.8

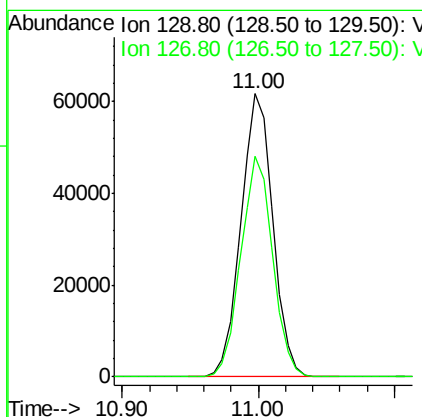
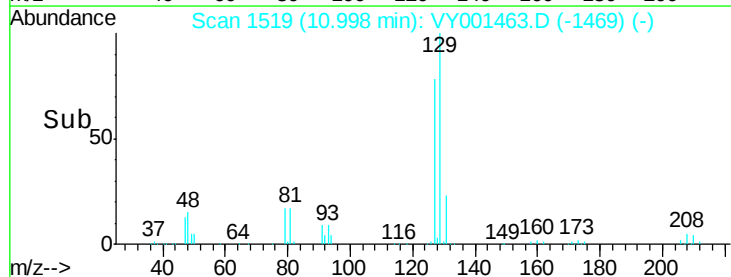
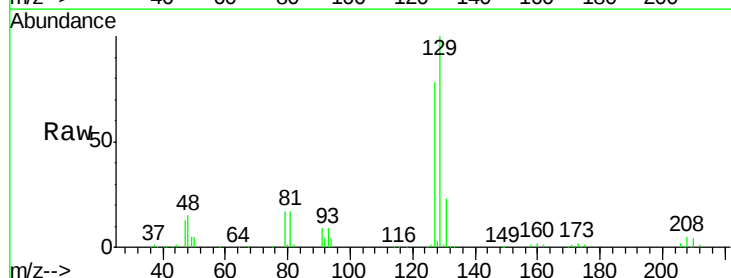
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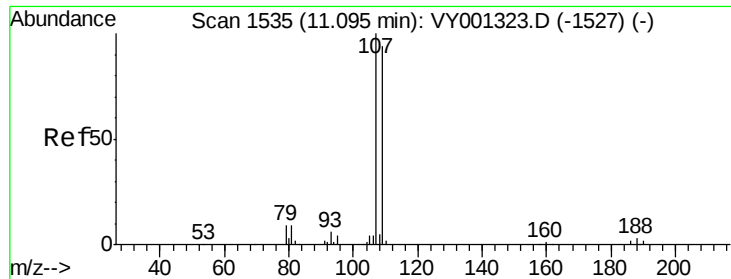
MMDadoda
2/4/2020 11:21:39 AM



#60
Dibromochloromethane
Concen: 49.193 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 129 Resp: 101180
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4





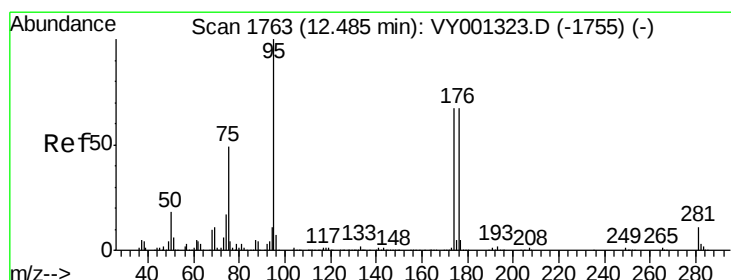
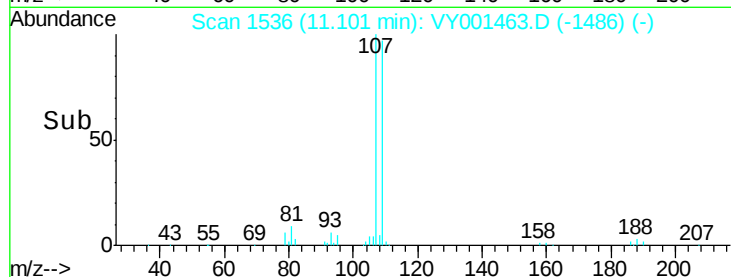
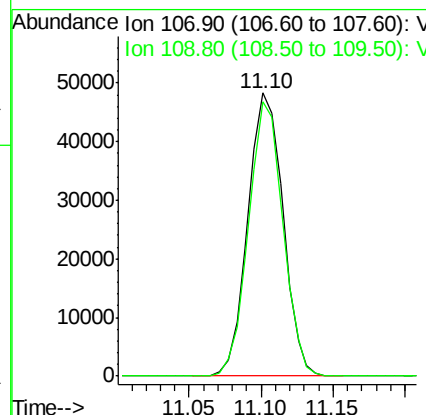
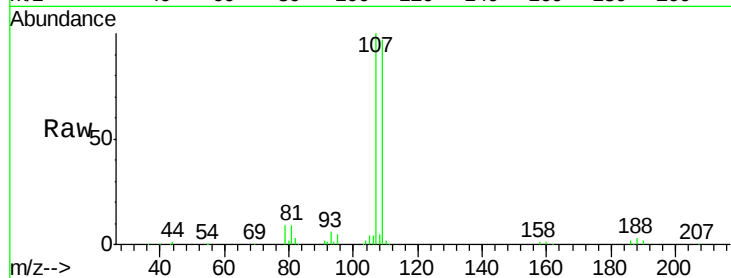
#61
 1,2-Dibromoethane
 Concen: 46.902 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.6

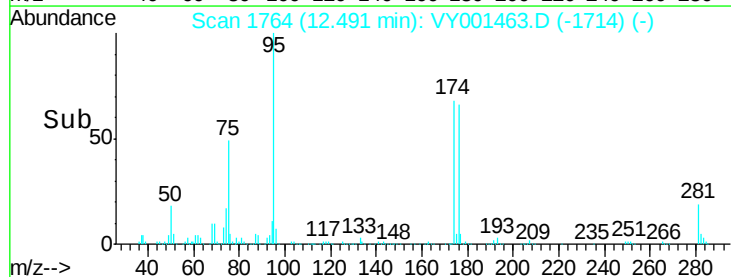
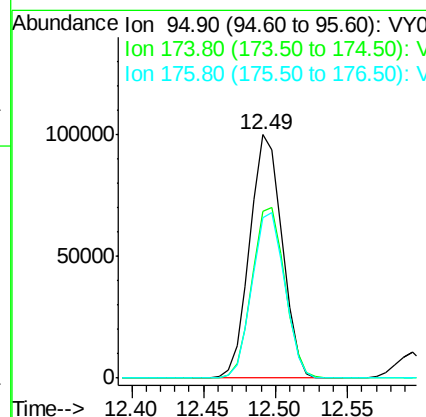
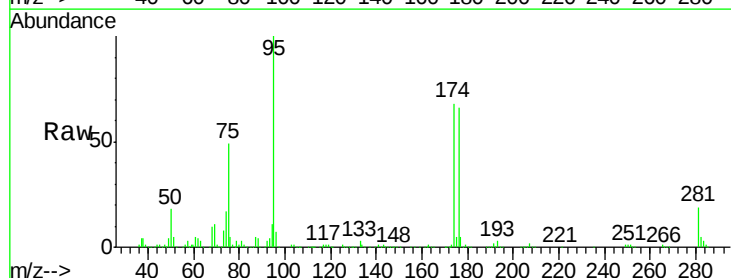
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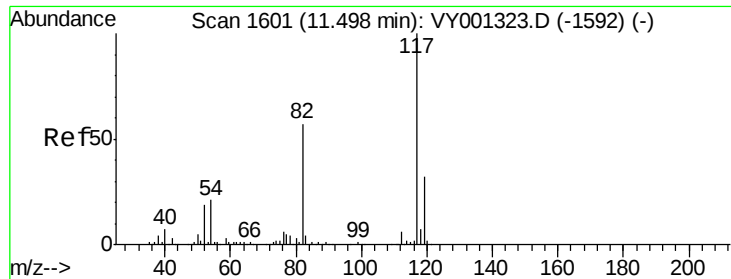
MMDadoda
 2/4/2020 11:21:39 AM



#62
 4-Bromofluorobenzene
 Concen: 52.656 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	142.0
176	68.8	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: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

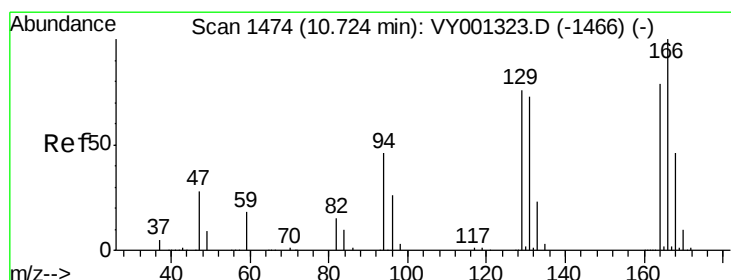
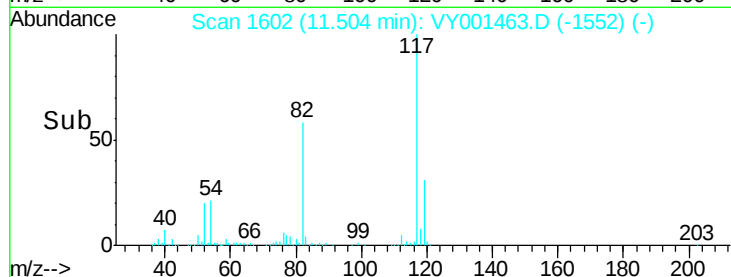
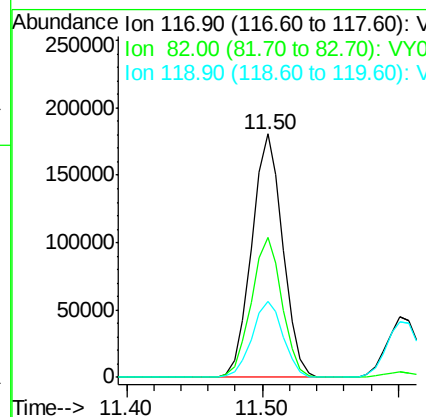
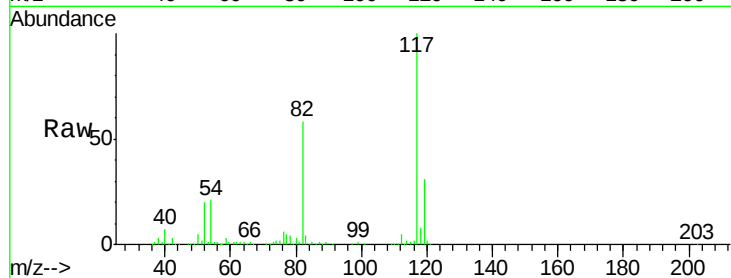
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	288308
Ion Ratio	Lower	Upper	
117	100		
82	57.7	45.5	68.3
119	31.2	25.8	38.6

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#64

Tetrachloroethene

Concen: 49.003 ug/l

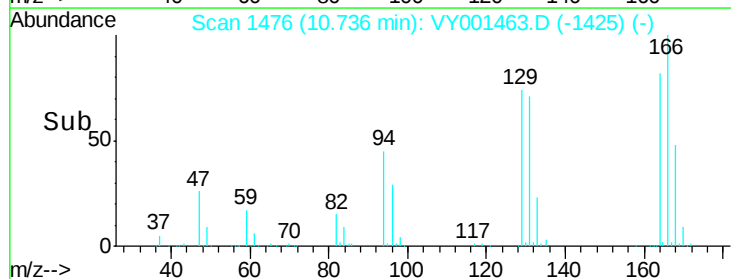
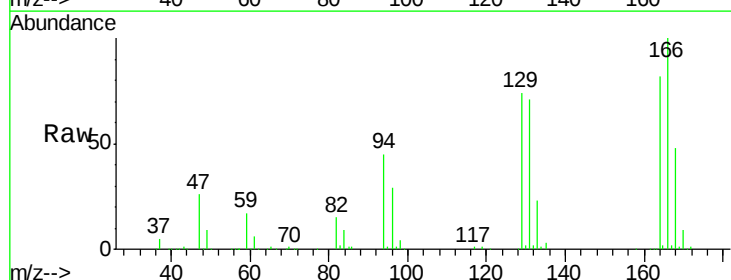
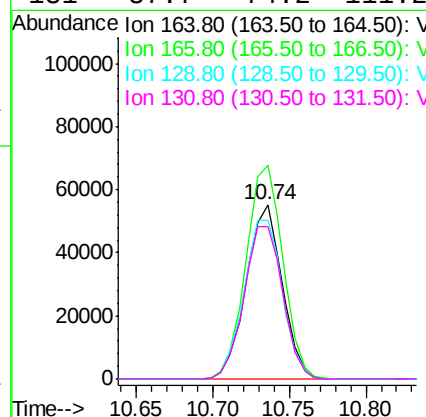
RT: 10.74 min Scan# 1476

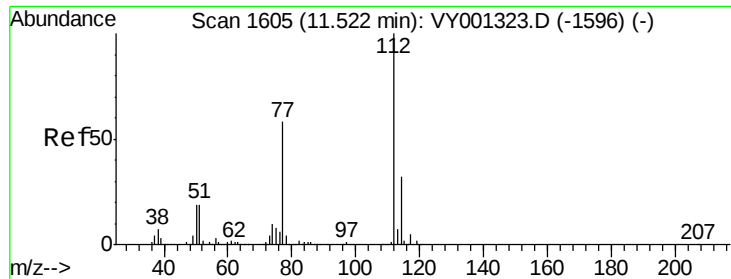
Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion:	164	Resp:	90245
Ion Ratio	Lower	Upper	
164	100		
166	122.7	101.8	152.8
129	91.2	77.1	115.7
131	87.7	74.2	111.2





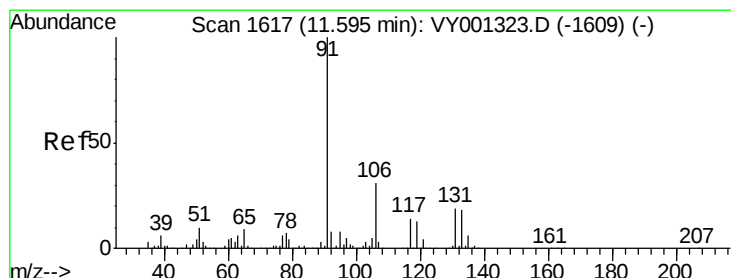
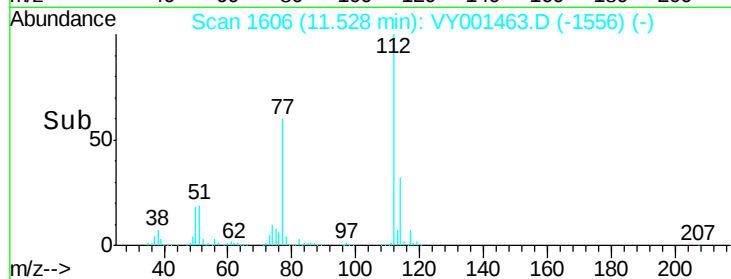
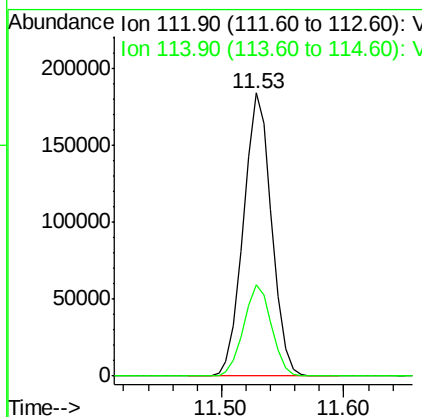
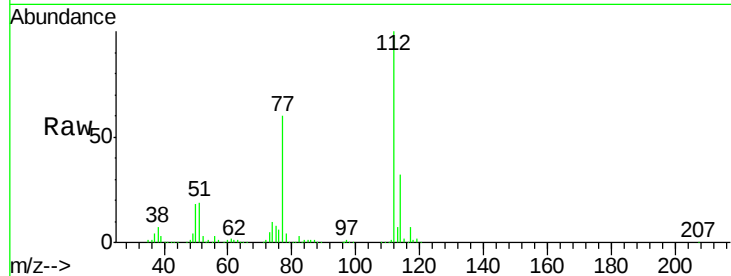
#65
Chlorobenzene
Concen: 48.268 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.6

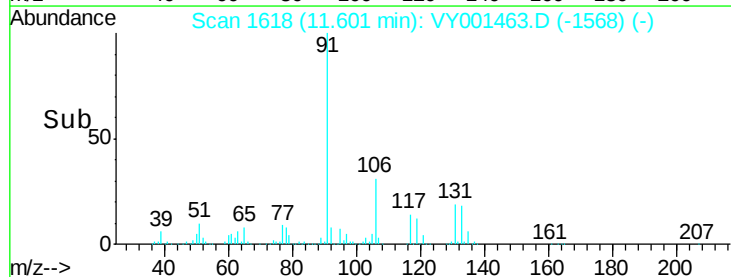
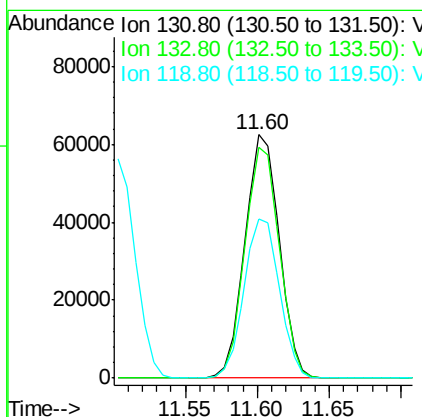
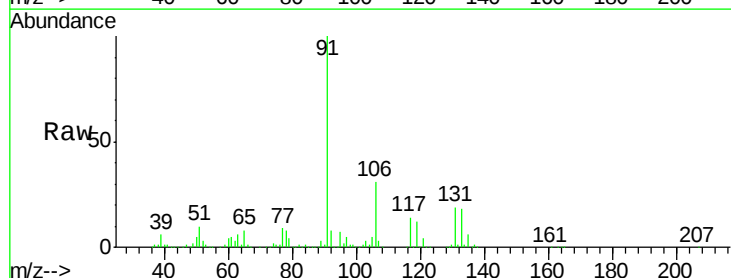
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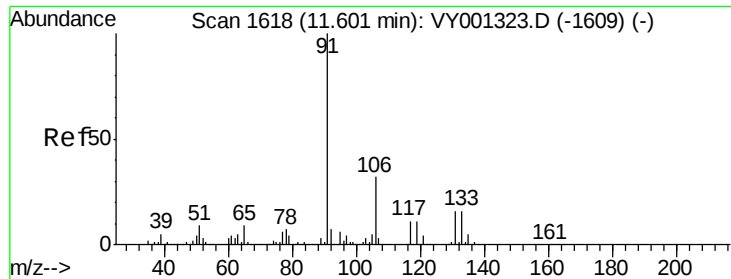
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.683 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.1	141.3
119	67.5	34.1	102.2





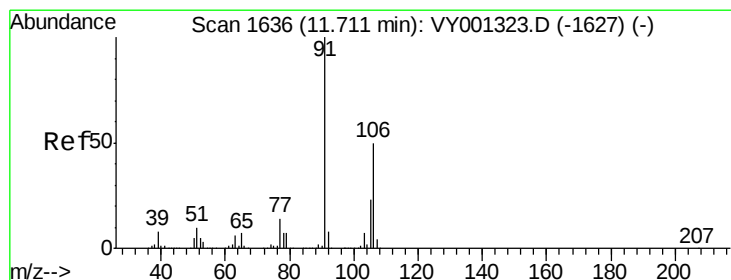
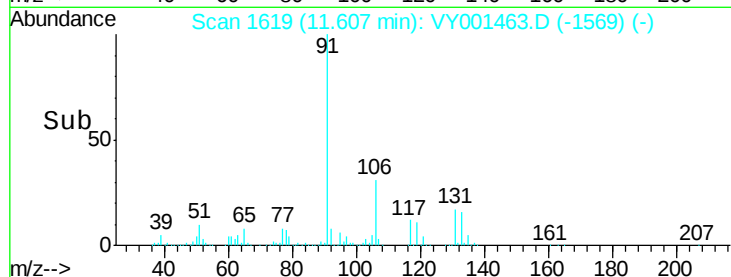
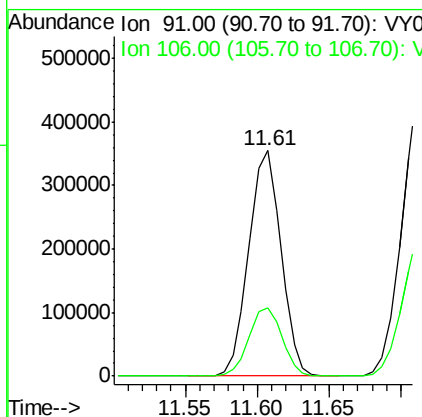
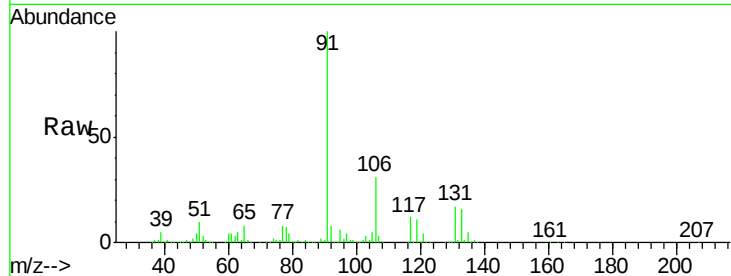
#67
Ethyl Benzene
Concen: 49.012 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 548903
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.0

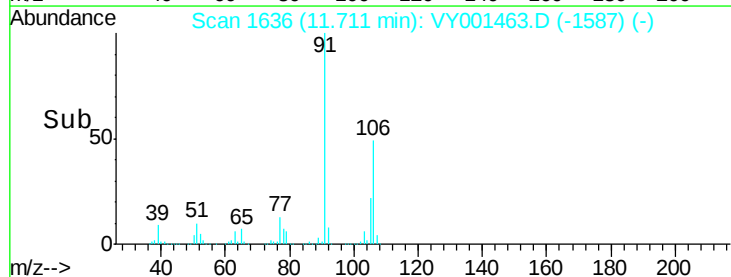
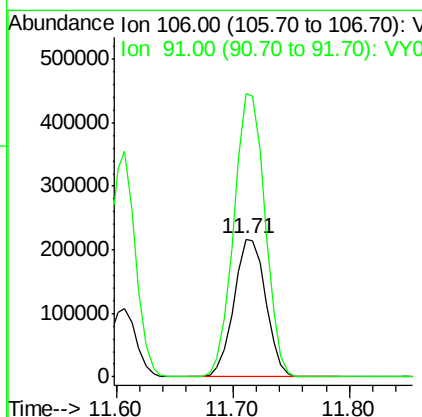
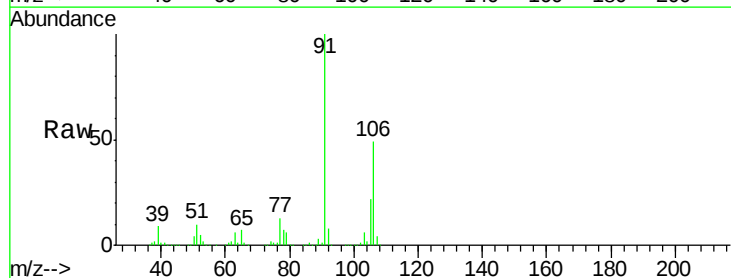
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#68
m/p-Xylenes
Concen: 98.555 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion: 106 Resp: 412241
Ion Ratio Lower Upper
106 100
91 202.5 162.8 244.2





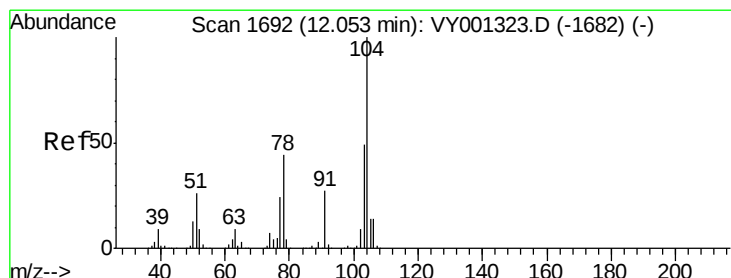
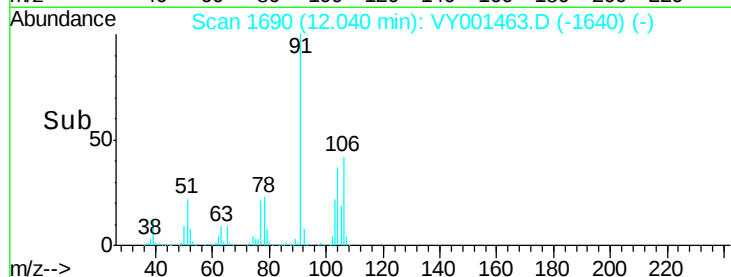
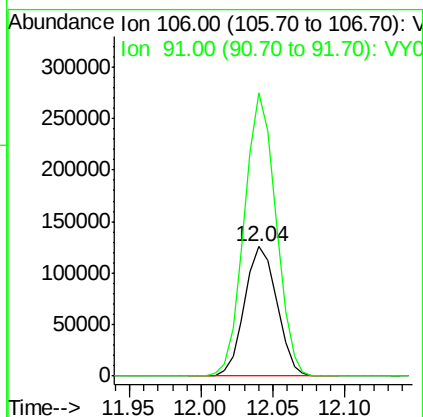
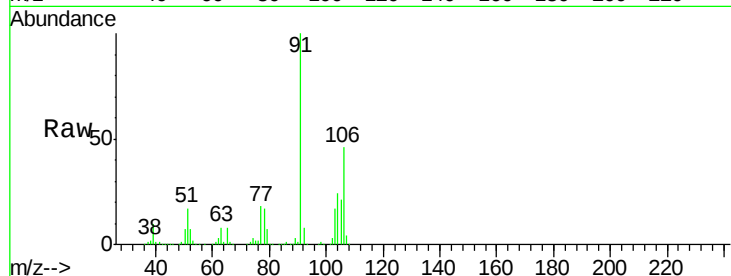
#69
o-Xylene
Concen: 48.558 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		195394		
91	214.1	106.3	319.0		

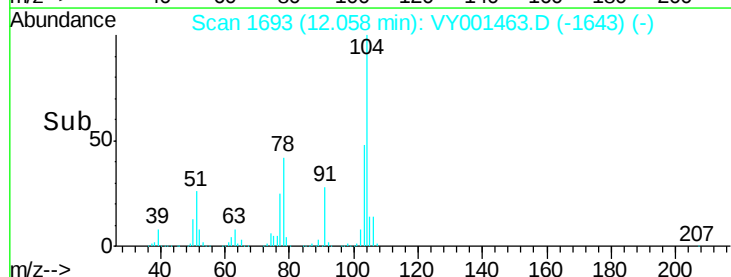
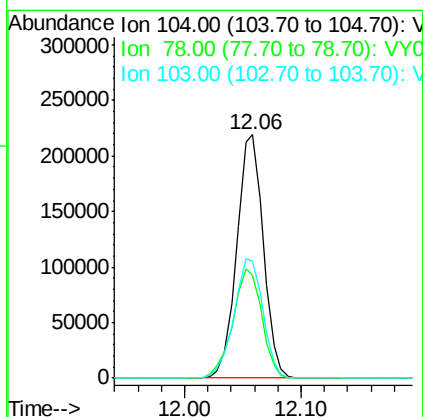
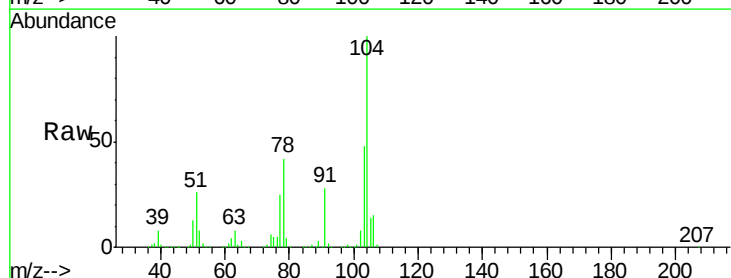
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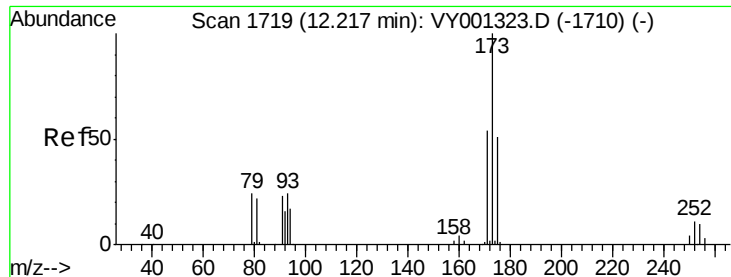
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#70
Styrene
Concen: 49.325 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		348237		
78	48.7	39.8	59.8		
103	53.4	43.2	64.8		





#71

Bromoform

Concen: 47.084 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 58290

Ion Ratio Lower Upper

173 100

175 47.6 24.3 72.9

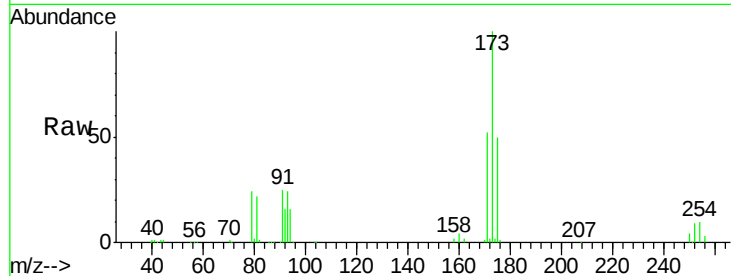
254 0.0 0.0 0.0#

Manual Integrations

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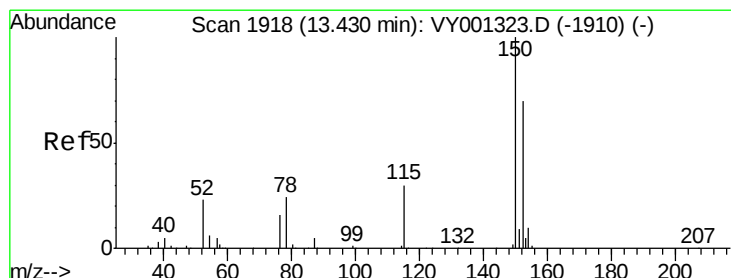
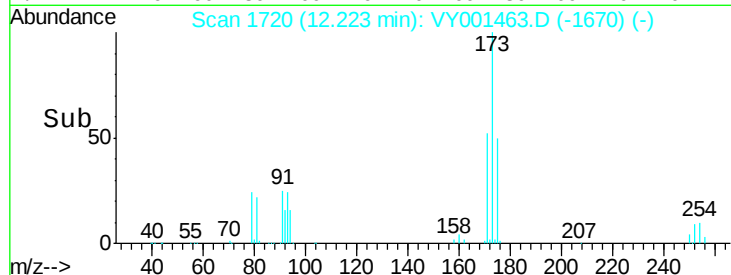
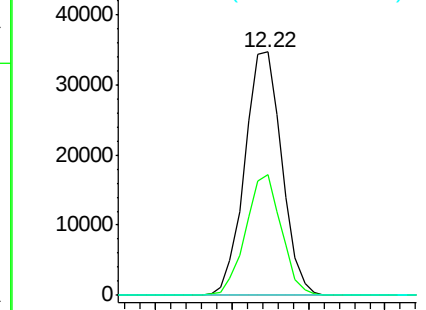
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 1919

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

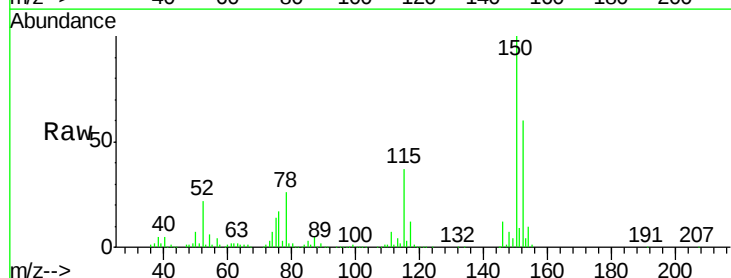
Tgt Ion:152 Resp: 136397

Ion Ratio Lower Upper

152 100

115 61.1 30.9 92.8

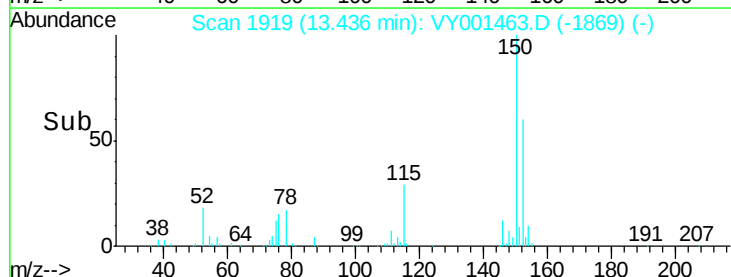
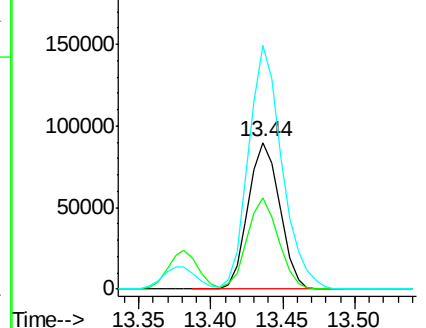
150 175.5 0.0 349.2

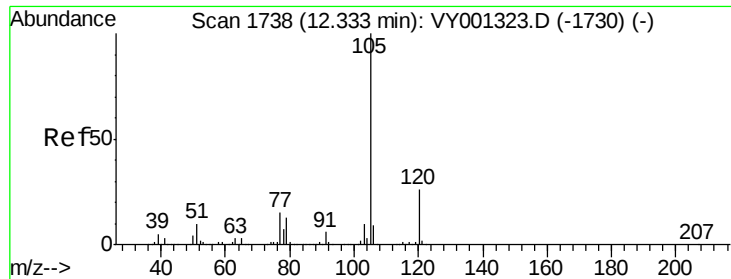


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.766 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 535619

Ion Ratio Lower Upper

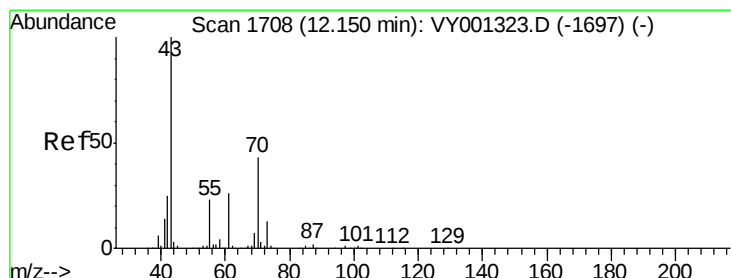
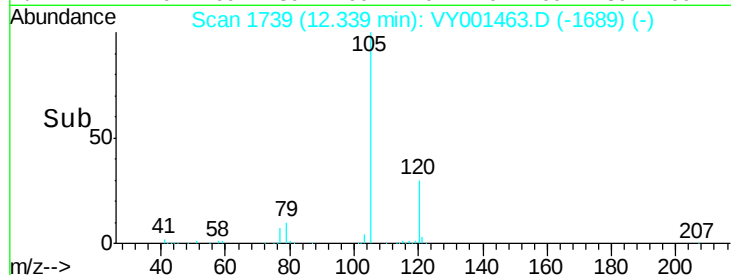
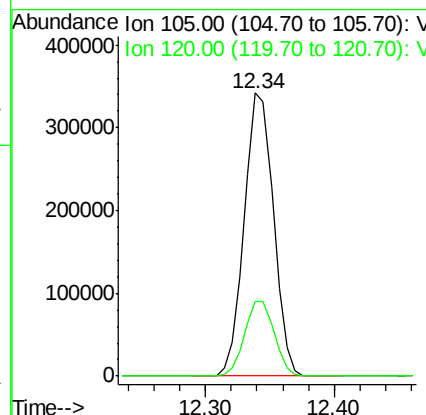
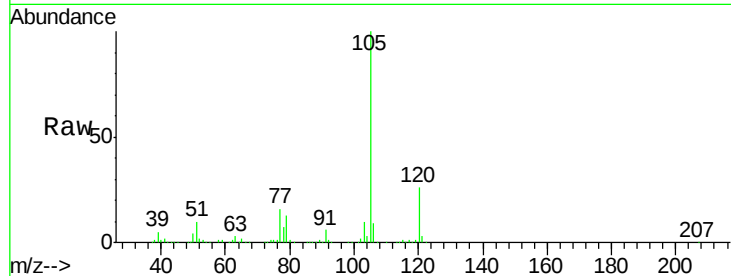
105 100

120 26.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 45.675 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion: 43 Resp: 160916

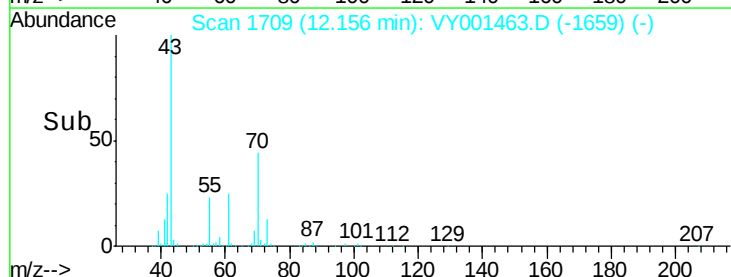
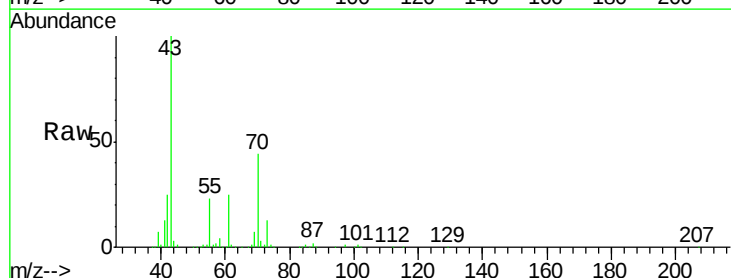
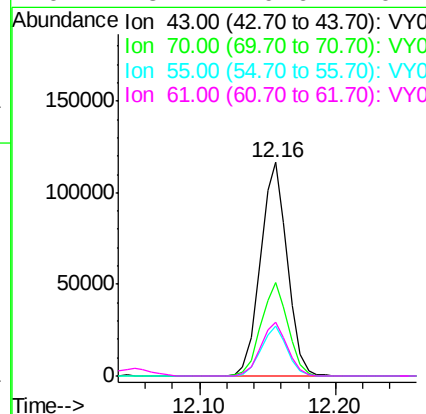
Ion Ratio Lower Upper

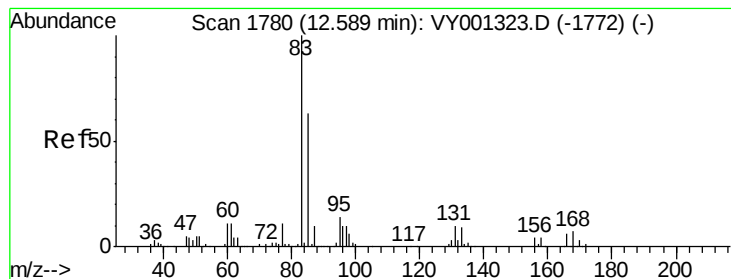
43 100

70 43.8 33.5 50.3

55 22.9 18.2 27.2

61 25.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.199 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

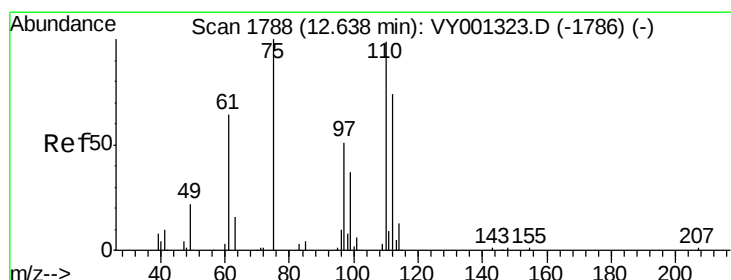
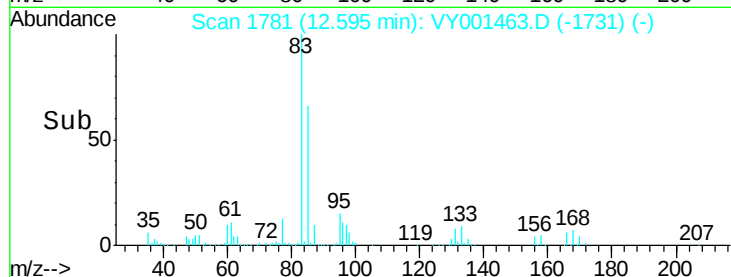
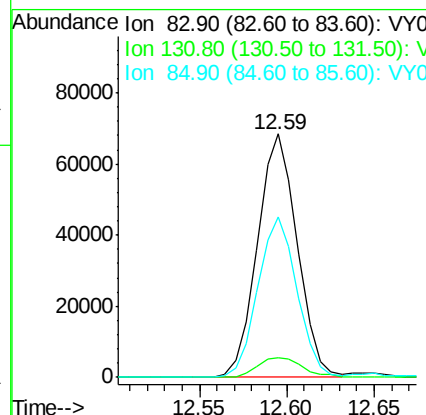
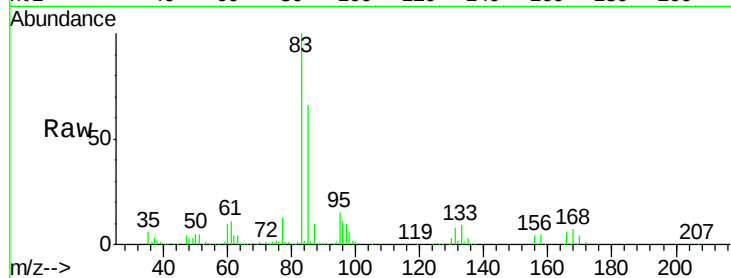
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	108794
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.6
85	65.0	31.4	94.3

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#76

1,2,3-Trichloropropane

Concen: 47.936 ug/l m

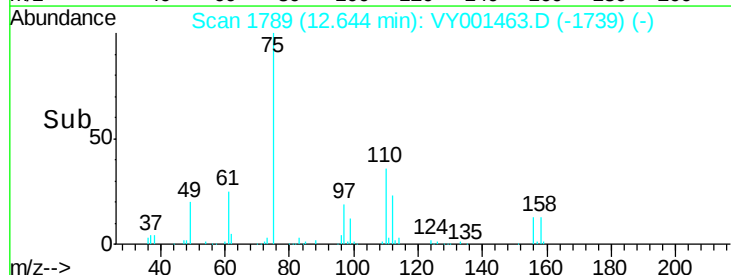
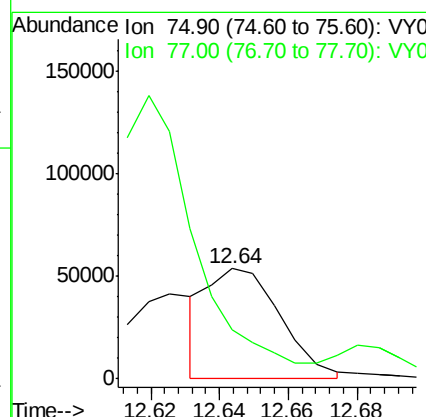
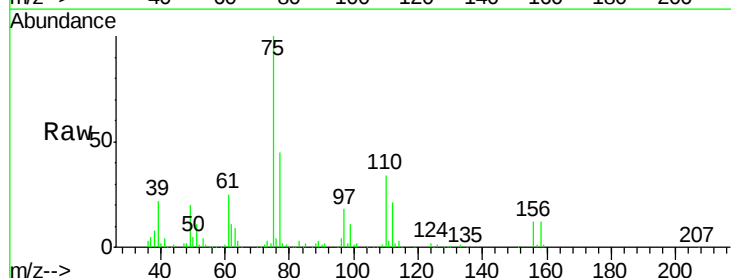
RT: 12.64 min Scan# 1789

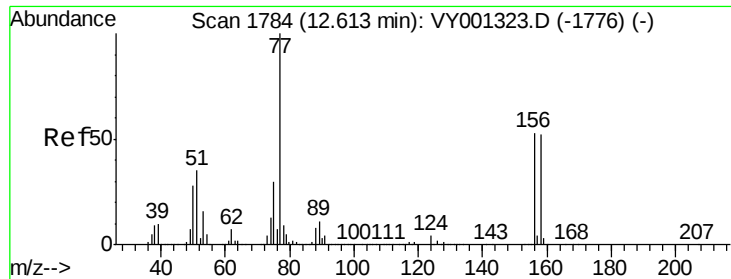
Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion:	75	Resp:	78787
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.115 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

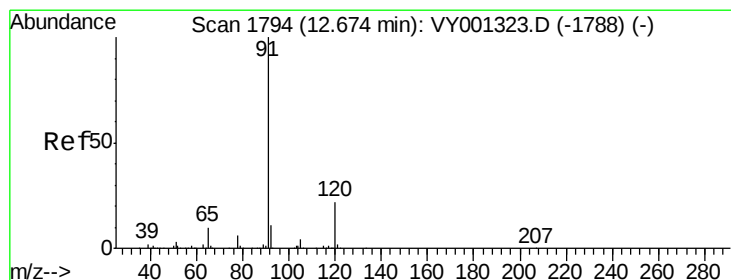
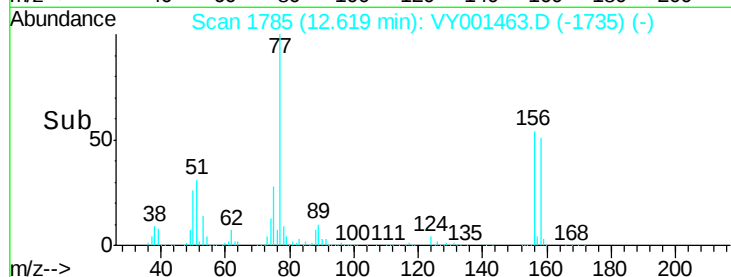
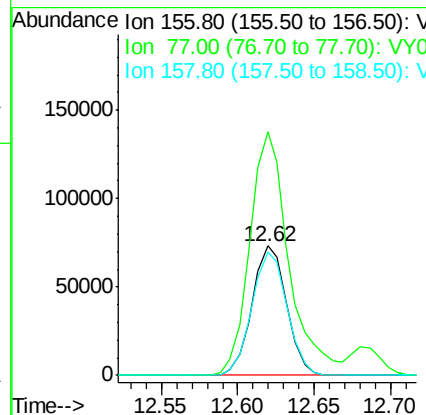
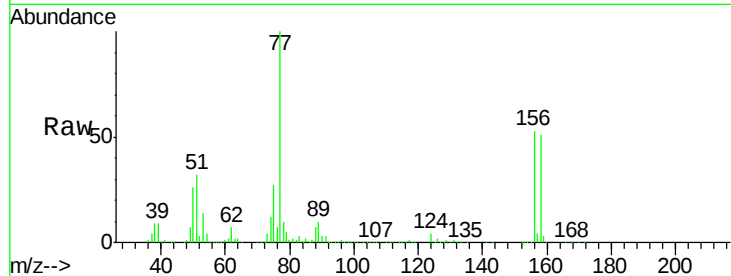
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.6	104.7	313.9
158	97.2	48.6	145.8

Manual Integrations
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#78

n-propylbenzene

Concen: 50.419 ug/l

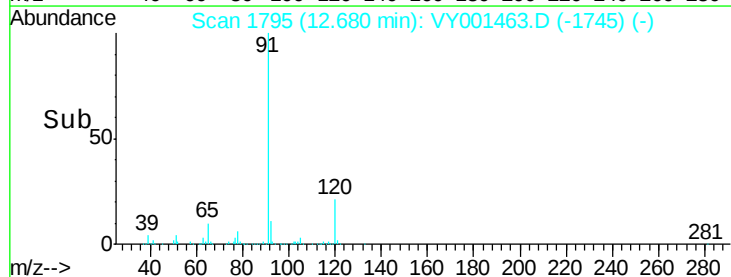
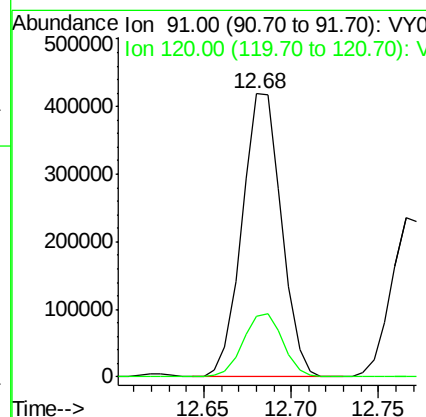
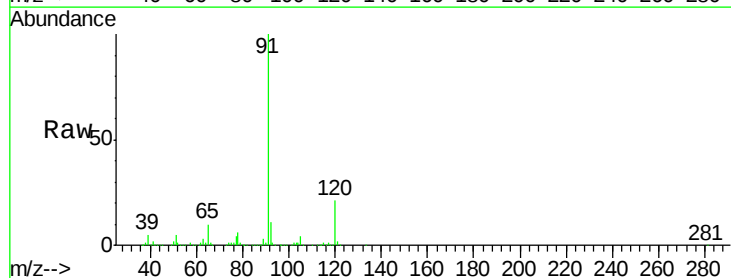
RT: 12.68 min Scan# 1795

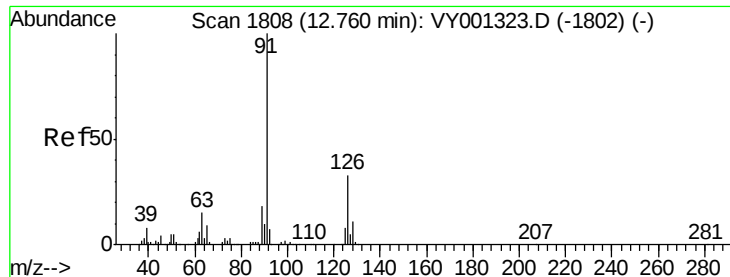
Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.8





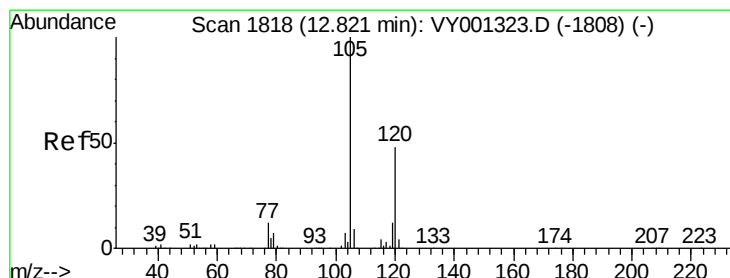
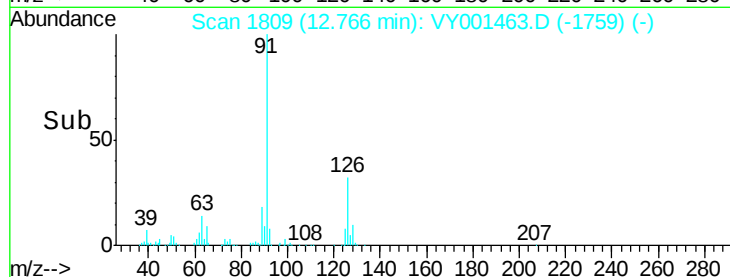
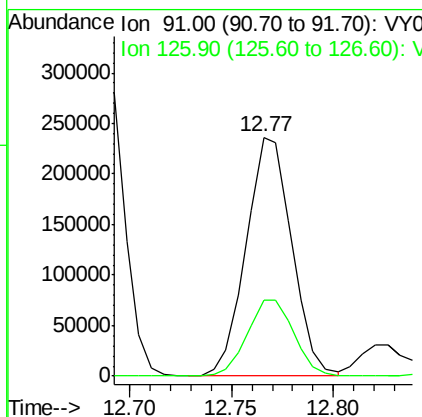
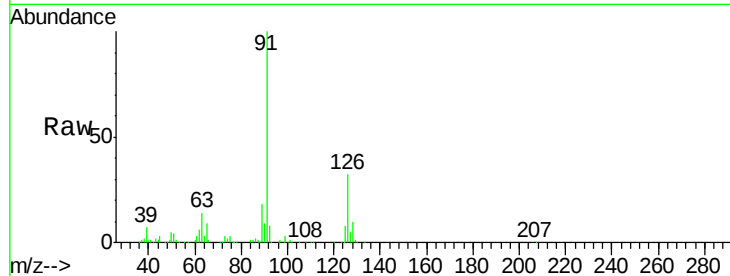
#79
 2-Chlorotoluene
 Concen: 49.833 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 368803
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.6 49.7

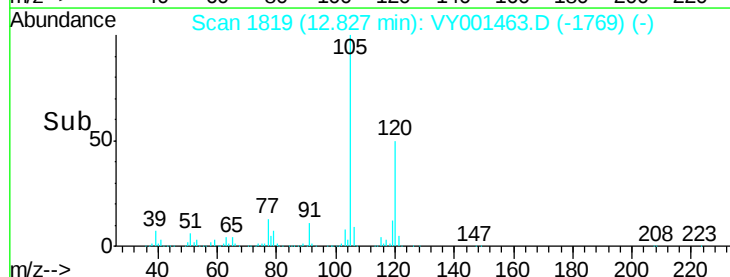
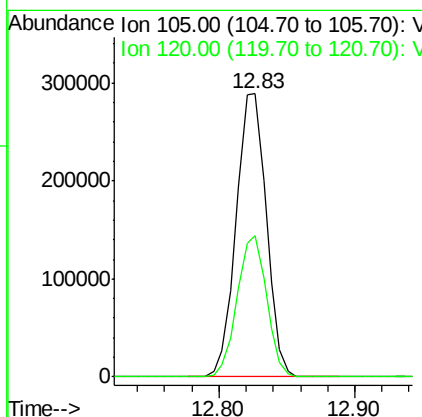
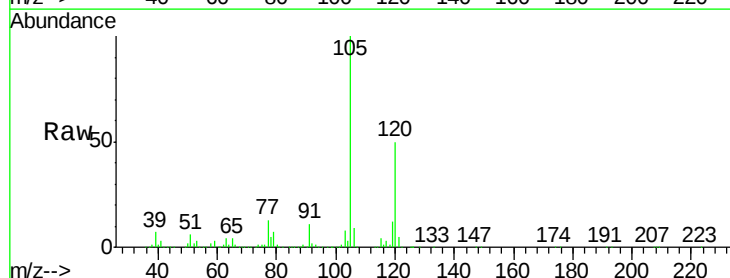
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 APPROVED

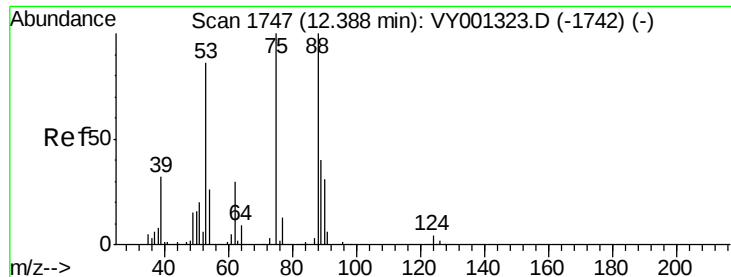
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.825 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion: 105 Resp: 447629
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 47.693 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

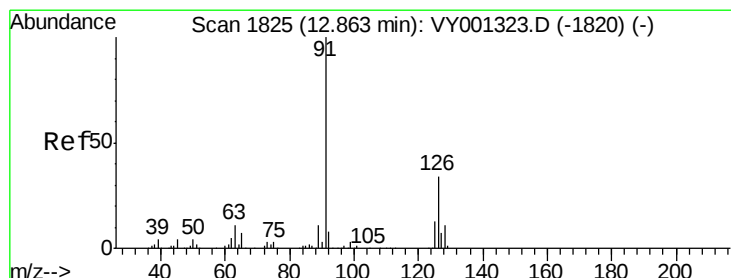
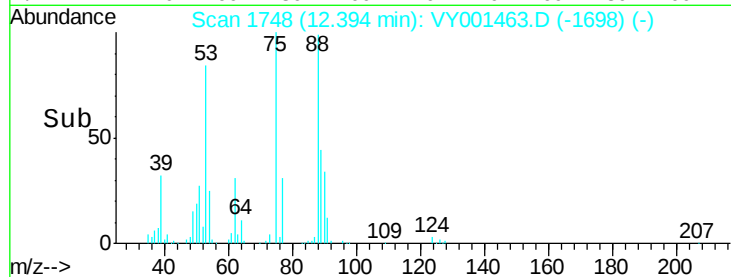
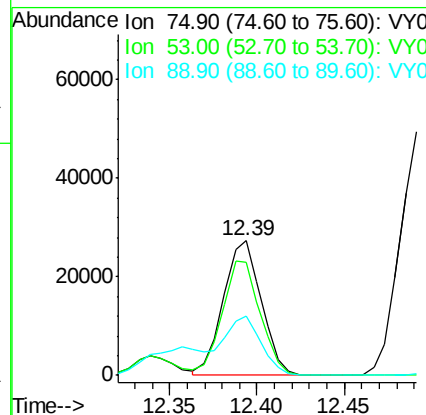
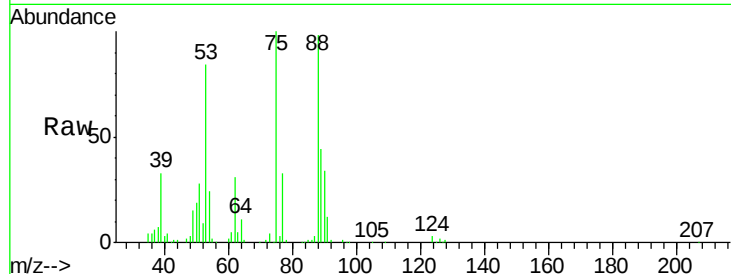
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	41423
Ion	Ratio	Lower	Upper
75	100		
53	85.4	69.9	104.9
89	44.1	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.011 ug/l

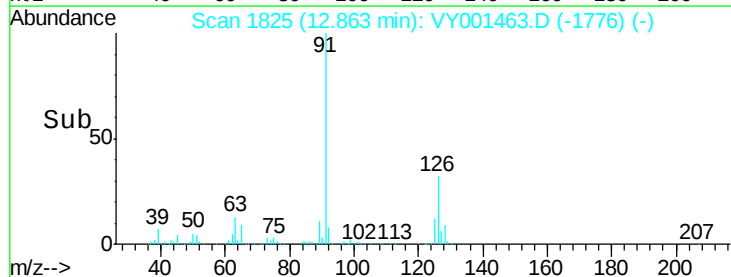
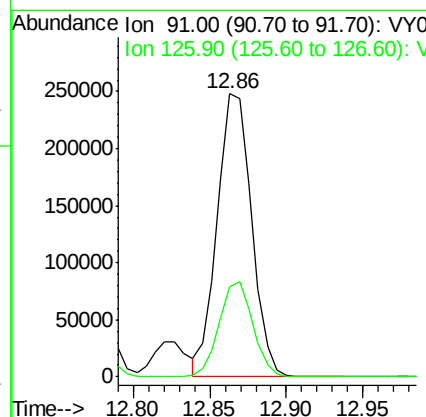
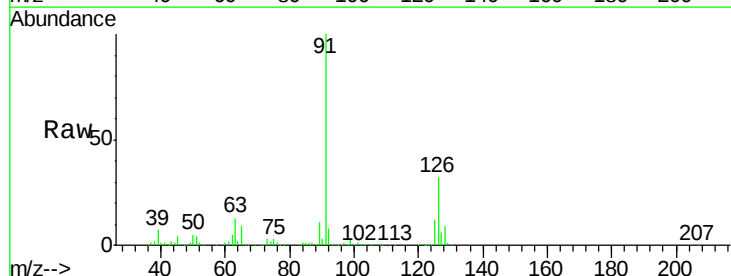
RT: 12.86 min Scan# 1825

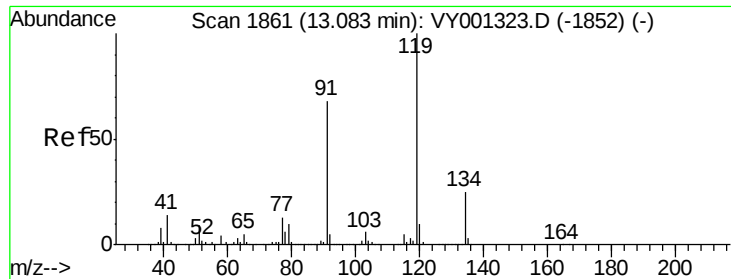
Delta R.T. -0.00 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion:	91	Resp:	387446
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4





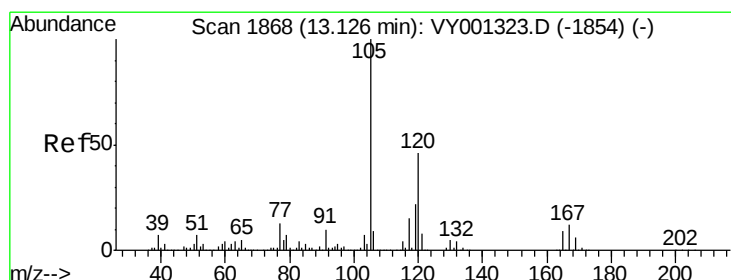
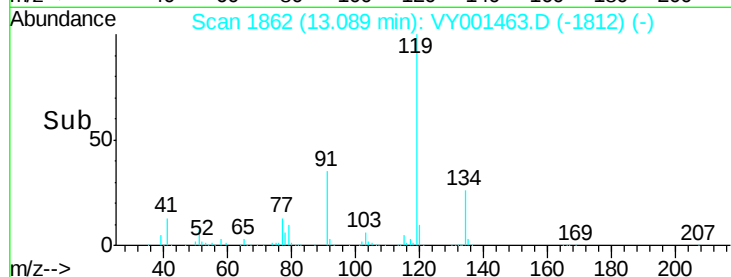
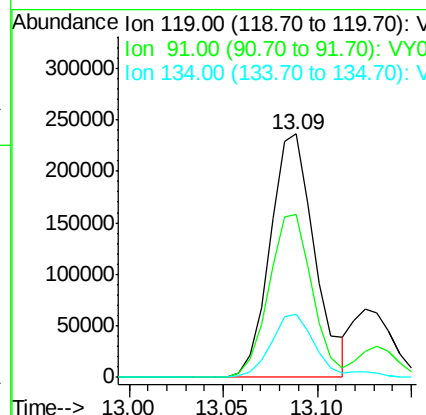
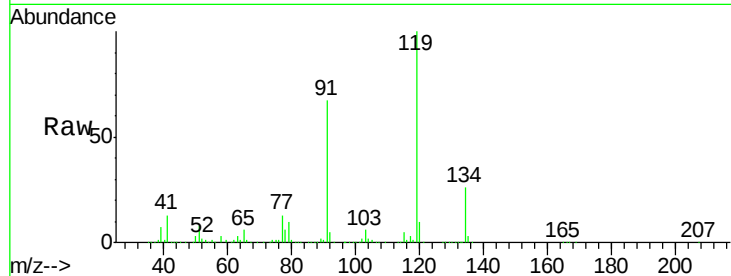
#83
tert-Butylbenzene
Concen: 50.910 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	385531		
91	65.0	33.0	99.0	
134	26.4	13.3	39.9	

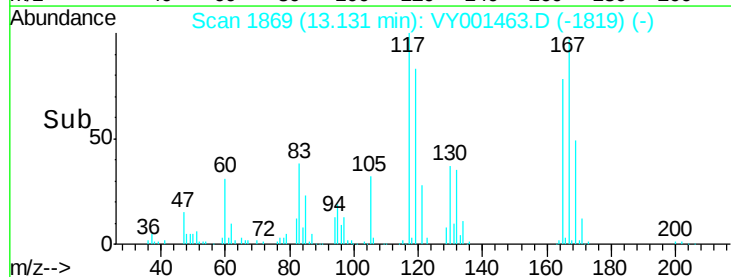
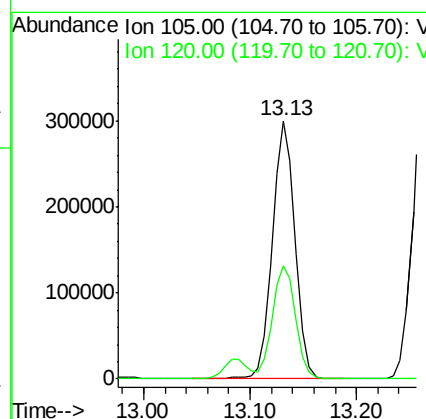
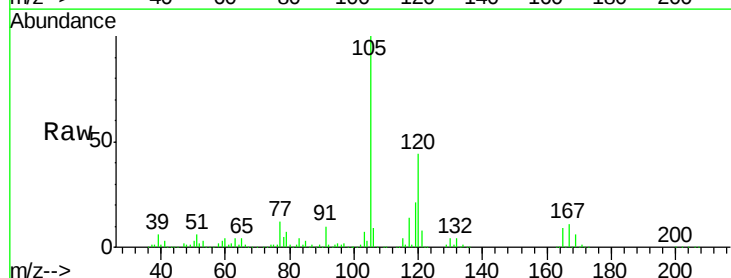
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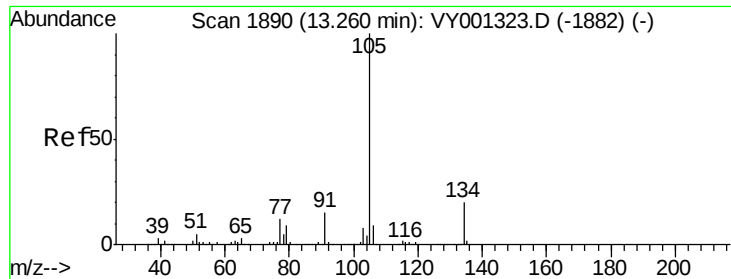
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.209 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	443847		
120	44.4	22.4	67.3	





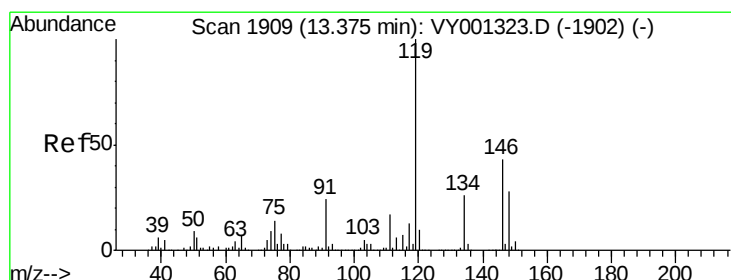
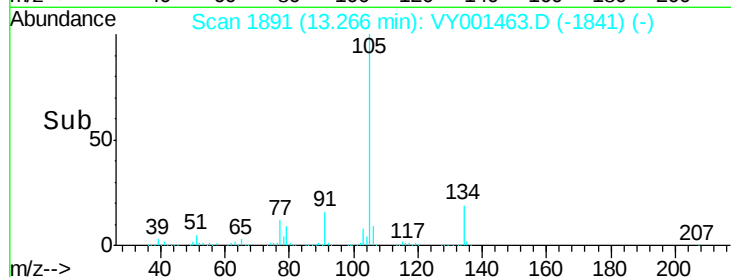
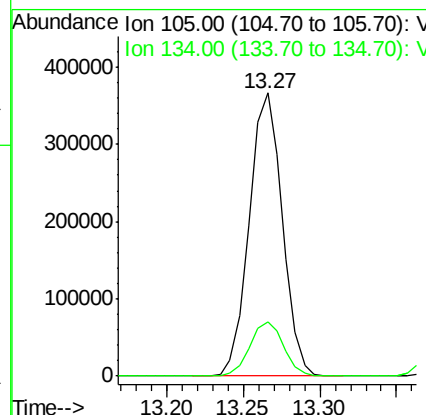
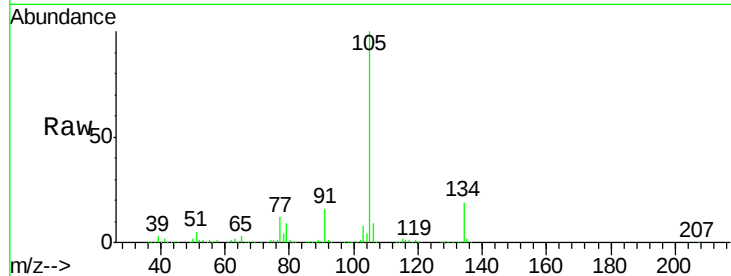
#85
 sec-Butylbenzene
 Concen: 51.205 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

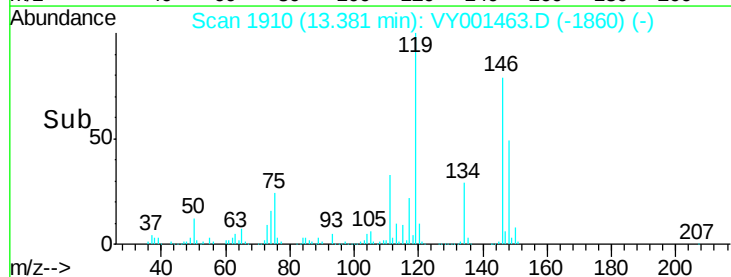
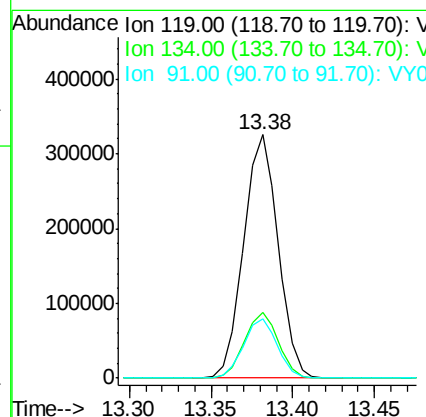
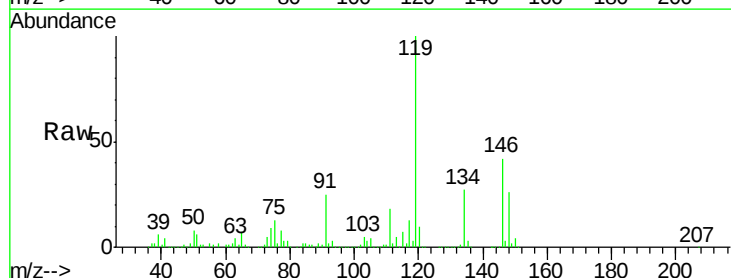
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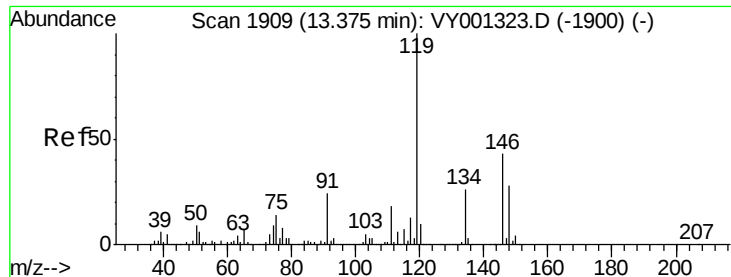
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#86
 p-Isopropyltoluene
 Concen: 50.368 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	24.0	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 48.512 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Instrument :

MSVOA_Y

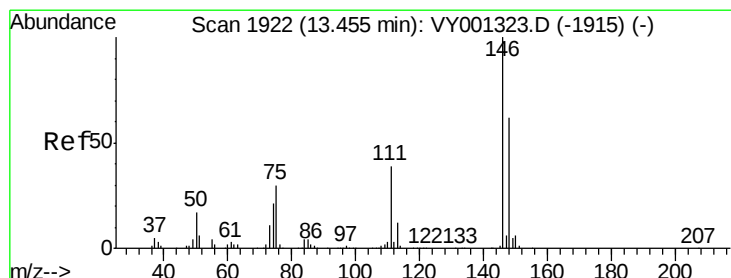
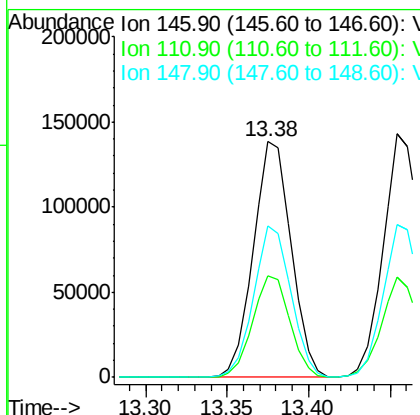
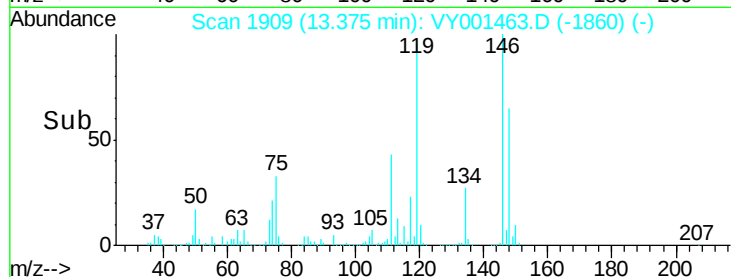
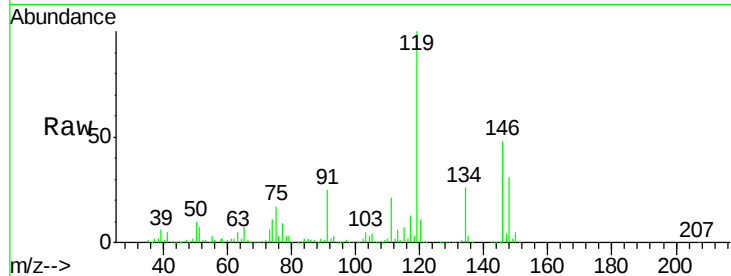
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	222724
Ion Ratio	Lower	Upper	
146	100		
111	42.4	20.6	61.8
148	63.2	31.6	95.0

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#88

1,4-Dichlorobenzene

Concen: 48.490 ug/l

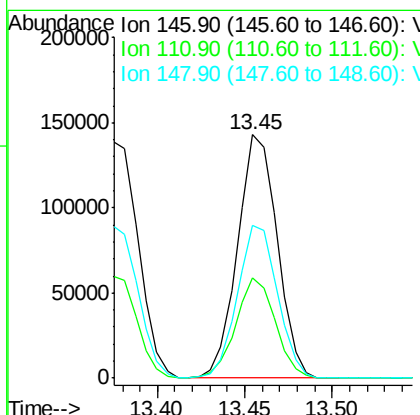
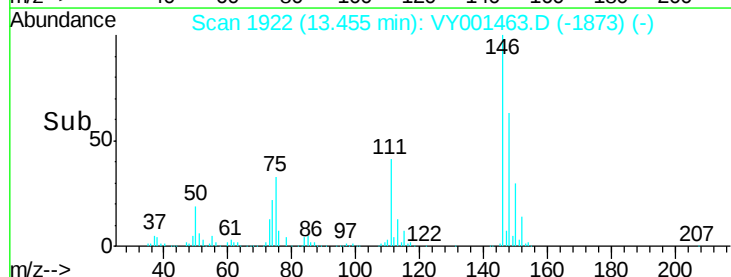
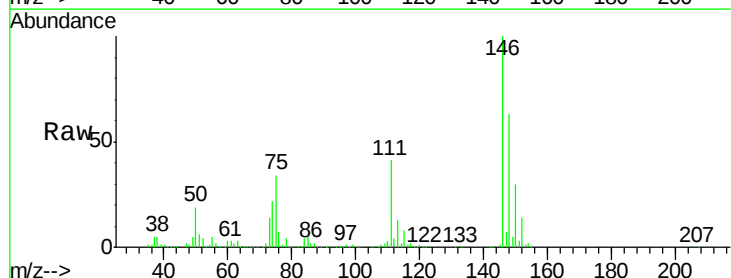
RT: 13.45 min Scan# 1922

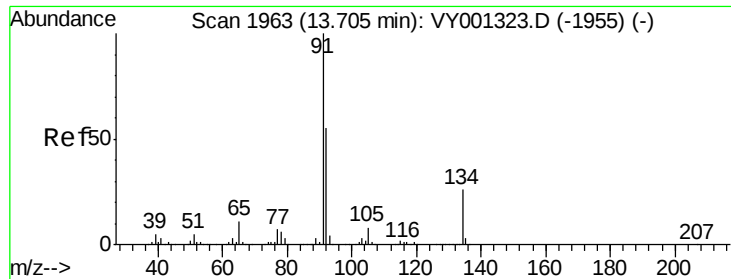
Delta R.T. -0.00 min

Lab File: VY001463.D

Acq: 03 Feb 2020 10:36

Tgt Ion:	146	Resp:	226038
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.5	61.5
148	63.3	31.6	95.0





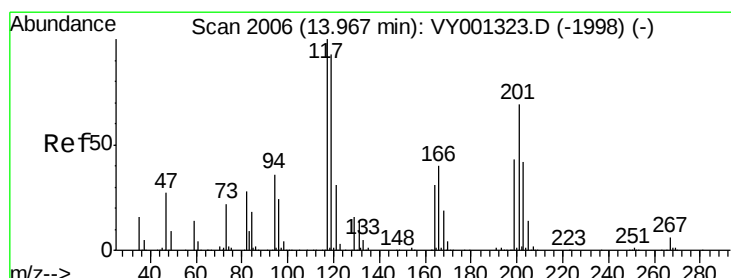
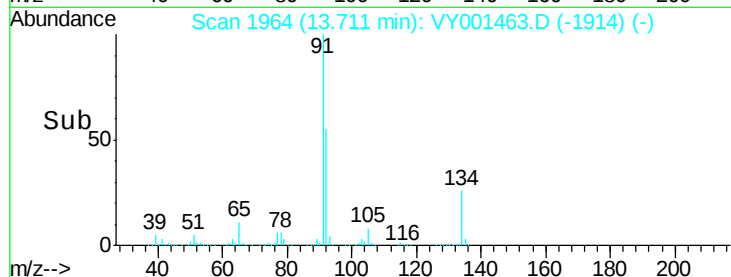
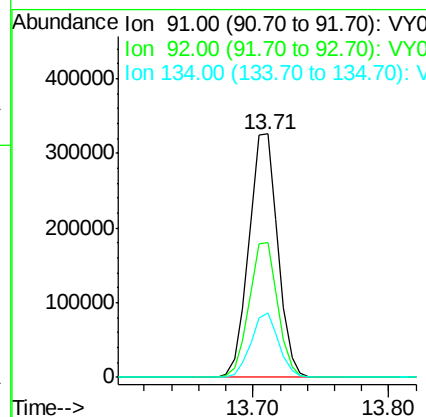
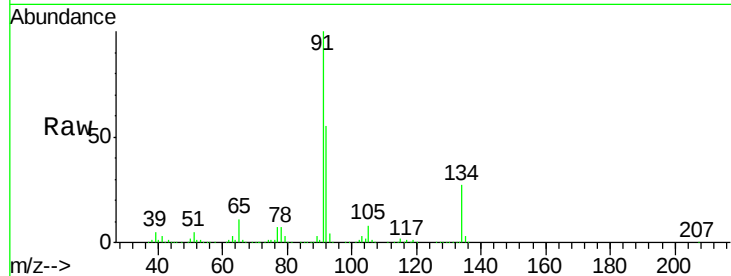
#89
n-Butylbenzene
Concen: 50.818 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	484931		
92	54.8		27.6	82.8
134	25.4		12.9	38.6

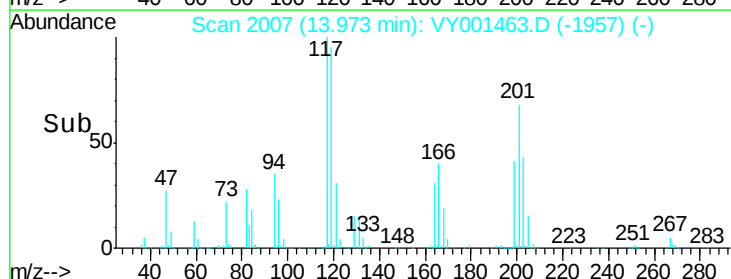
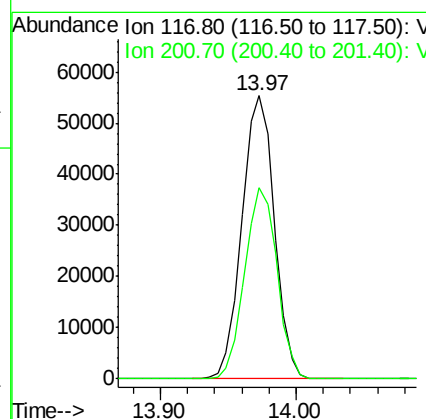
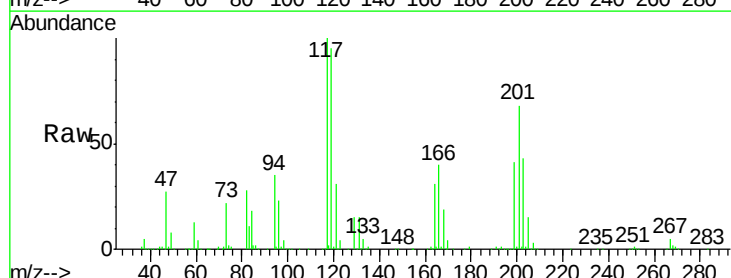
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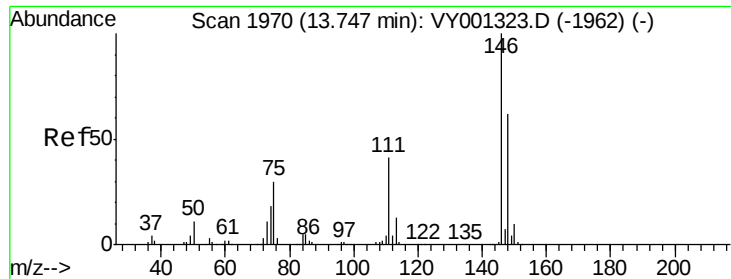
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#90
Hexachloroethane
Concen: 51.358 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	92304		
201	67.5		34.6	103.8





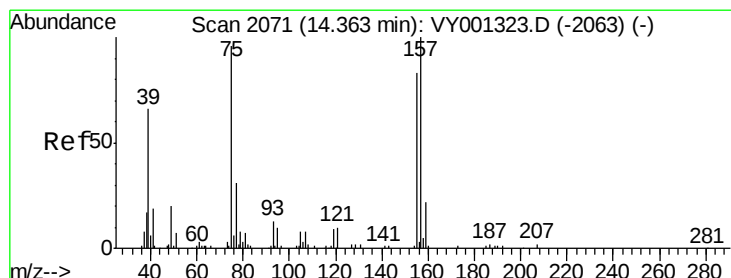
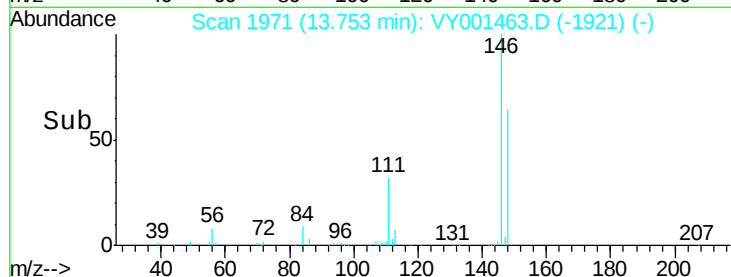
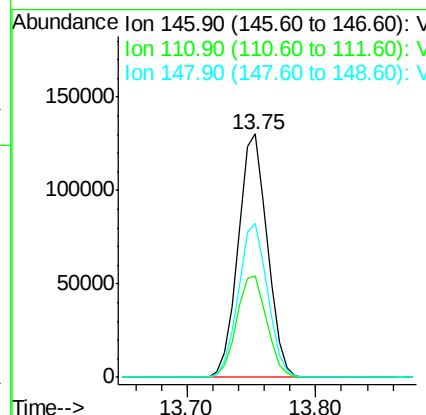
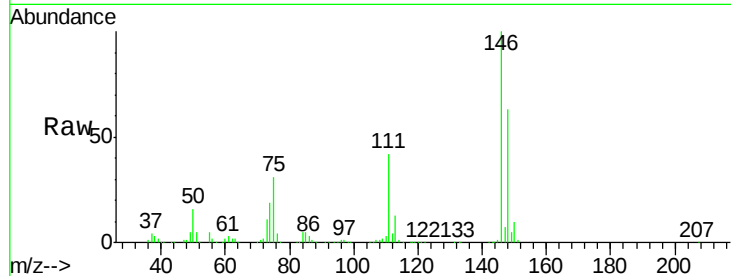
#91
 1,2-Dichlorobenzene
 Concen: 48.345 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204699		
111	42.9	21.1	63.4	
148	63.6	31.5	94.5	

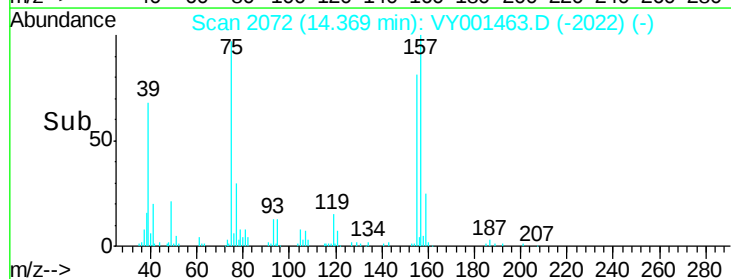
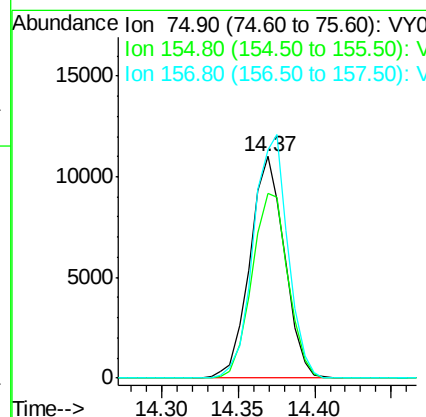
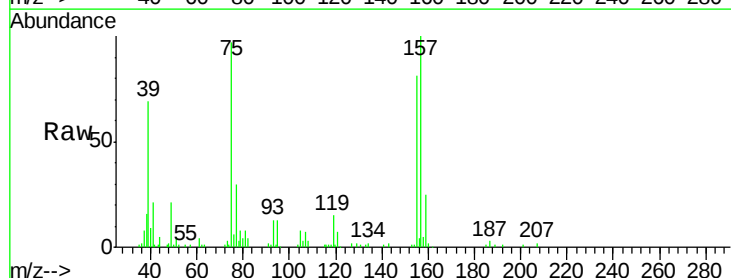
Manual Integrations
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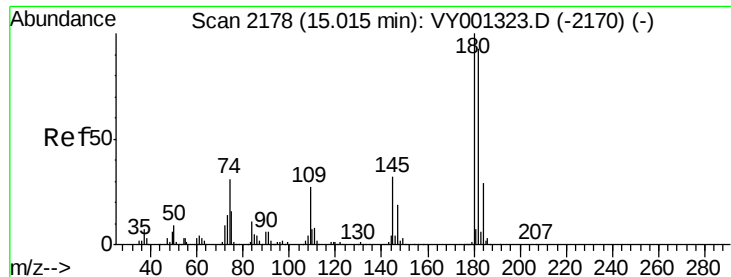
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.678 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001463.D
 Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17373		
155	86.4	43.0	129.2	
157	109.0	53.3	160.0	





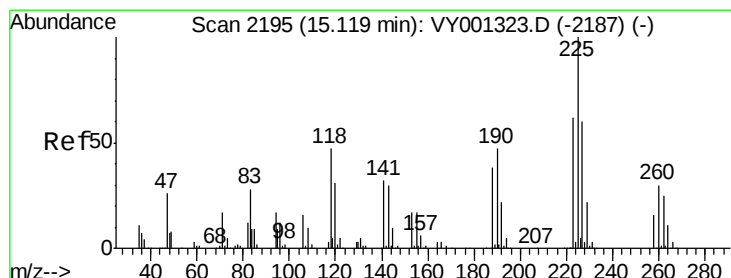
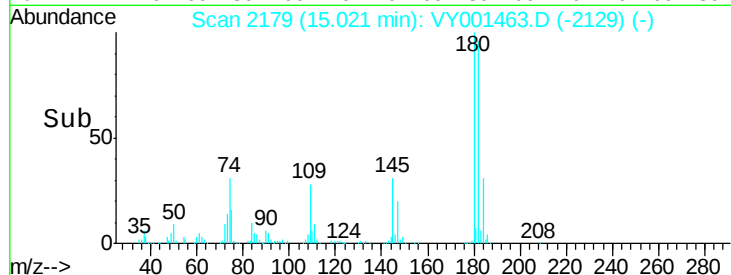
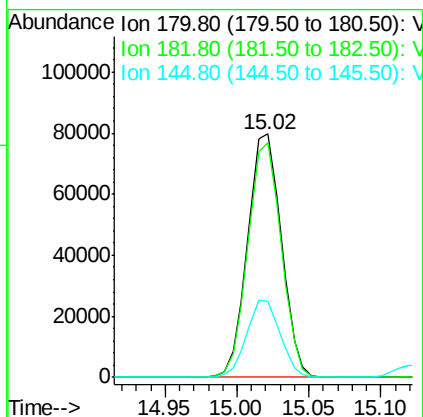
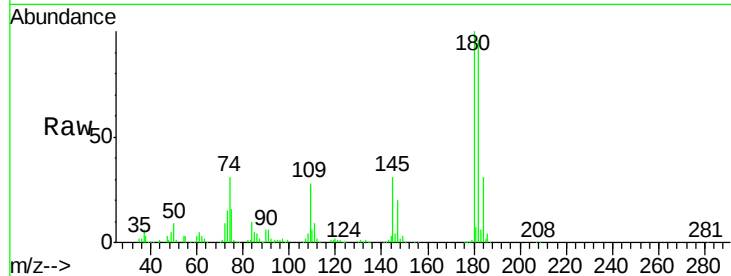
#93
1,2,4-Trichlorobenzene
Concen: 45.459 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	31.4	16.3	48.9

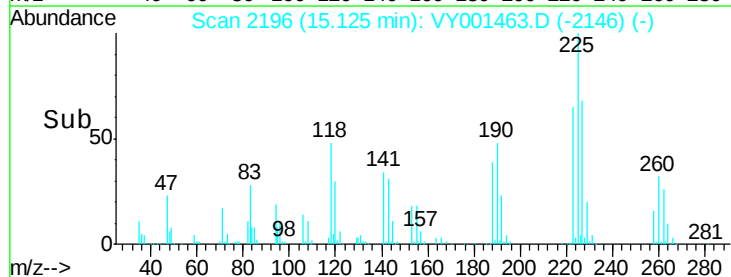
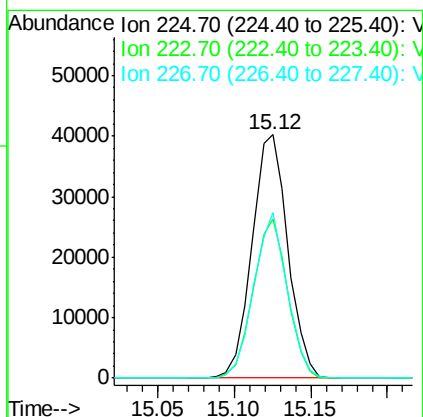
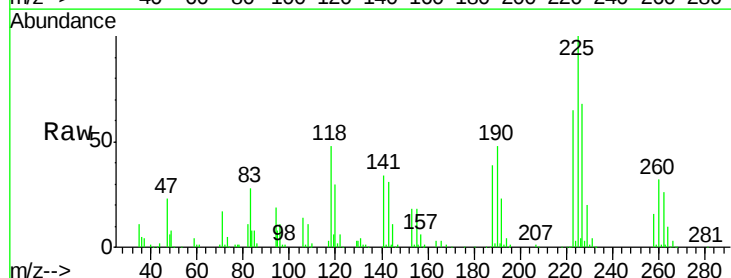
Manual Integrations
APPROVED

MMDadoda
2/4/2020 11:21:39 AM



#94
Hexachlorobutadiene
Concen: 47.329 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.2	93.6
227	63.4	31.0	93.0





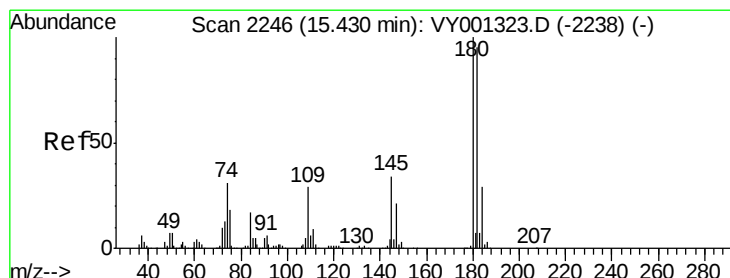
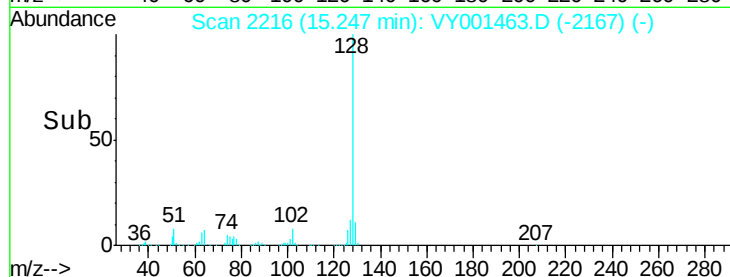
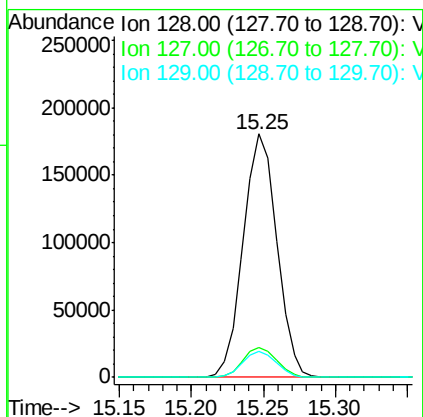
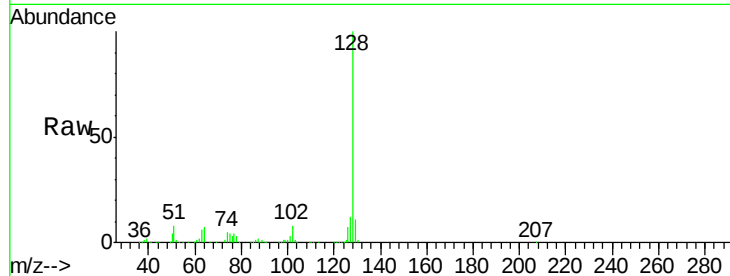
#95
Naphthalene
Concen: 45.022 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/4/2020 11:21:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.577 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001463.D
Acq: 03 Feb 2020 10:36

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.4	47.3	141.8
145	33.6	16.8	50.3

