Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111319\
Data File : VY000665.D
Acq On : 13 Nov 2019 12:16
Operator : SY/MD
Sample : MDL02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Manual Integrations APPROVED
MMDADODA
11/19/2019 11:58:58 AM

Quant Time: Nov 14 07:59:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 14 01:29:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	340302	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	314816	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	148452	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.24	65	102123	21.25	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.00%			
7) Chloroethane-d5	2.77	69	95144	22.28	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.12%			
10) 1,1-Dichloroethene-d2	3.86	63	144761	16.31	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 65.24%			
20) 2-Butanone-d5	6.91	46	84371	42.55	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 85.10%			
24) Chloroform-d	7.49	84	186954	20.94	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 83.76%			
26) 1,2-Dichloroethane-d4	8.16	65	113715	21.96	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 87.84%			
29) Benzene-d6	8.12	84	400734	21.92	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 87.68%			
33) 1,2-Dichloropropane-d6	9.13	67	125321	21.87	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 87.48%			
37) Toluene-d8	10.18	98	367556	21.52	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 86.08%			
38) trans-1,3-Dichloropropene-	10.44	79	55724	20.85	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 83.40%			
39) 2-Hexanone-d5	10.79	63	66081	42.67	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 85.34%			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	113361	20.34	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 81.36%			
61) 1,2-Dichlorobenzene-d4	13.72	152	128689	21.68	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 86.72%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	3466	0.771	ug/L	97
3) Chloromethane	2.12	50	4279	0.759	ug/L #	81
5) Vinyl chloride	2.26	62	4368	0.776	ug/L #	51
6) Bromomethane	2.66	94	2245m	0.731	ug/L	
8) Chloroethane	2.80	64	2507	0.711	ug/L	90
9) Trichlorofluoromethane	3.13	101	5978	0.750	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3843	0.850	ug/L #	60
12) 1,1-Dichloroethene	3.88	96	4516m	1.024	ug/L	
13) Acetone	3.97	43	3951	2.723	ug/L	63
14) Carbon disulfide	4.20	76	7824	0.575	ug/L	97
15) Methyl Acetate	4.49	43	2331	0.701	ug/L	96
16) Methylene chloride	4.74	84	13526m	2.408	ug/L	
17) Methyl tert-butyl Ether	5.24	73	8583	0.639	ug/L #	79
18) trans-1,2-Dichloroethene	5.24	96	3491m	0.709	ug/L	
19) 1,1-Dichloroethane	6.03	63	5757	0.664	ug/L	88
21) 2-Butanone	7.00	43	5675m	2.220	ug/L	
22) cis-1,2-Dichloroethene	7.00	96	3618m	0.664	ug/L	

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Data File : VY000665.D
Acq On : 13 Nov 2019 12:16
Operator : SY/MD
Sample : MDL02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Manual Integrations APPROVED
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11/19/2019 11:58:58 AM

Quant Time: Nov 14 07:59:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 14 01:29:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	7.35	128	1588	0.667 ug/L #	78
25) Chloroform	7.52	83	12694	1.358 ug/L	85
27) 1,2-Dichloroethane	8.24	62	4109	0.658 ug/L	96
30) Cyclohexane	7.80	56	5885	0.685 ug/L	92
31) 1,1,1-Trichloroethane	7.71	97	4768	0.615 ug/L #	73
32) Carbon tetrachloride	7.92	117	4471	0.661 ug/L	98
34) Benzene	8.17	78	13582	0.660 ug/L	100
35) Trichloroethene	8.95	95	3830	0.710 ug/L	89
36) Methylcyclohexane	9.18	83	5682	0.615 ug/L #	85
40) 1,2-Dichloropropane	9.22	63	3310	0.635 ug/L #	91
41) Bromodichloromethane	9.51	83	4405	0.656 ug/L #	77
42) cis-1,3-Dichloropropene	9.94	75	4389	0.522 ug/L	98
43) 4-Methyl-2-pentanone	10.08	43	6636	1.330 ug/L #	92
44) Toluene	10.25	91	15528	0.698 ug/L	95
45) trans-1,3-Dichloropropene	10.47	75	4794	0.664 ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	2524	0.590 ug/L #	87
47) Tetrachloroethene	10.72	164	3208m	0.796 ug/L	
49) 2-Hexanone	10.83	43	6088	1.567 ug/L #	47
50) Dibromochloromethane	10.99	129	2820	0.583 ug/L	99
51) 1,2-Dibromoethane	11.09	107	2424	0.582 ug/L #	66
52) Chlorobenzene	11.52	112	9333	0.661 ug/L #	85
53) Ethylbenzene	11.60	91	16675	0.662 ug/L	91
54) m,p-Xylene	11.70	106	6527	0.685 ug/L	98
55) o-xylene	12.03	106	6074	0.650 ug/L	79
56) Styrene	12.05	104	9074	0.584 ug/L	88
57) Isopropylbenzene	12.33	105	15114	0.621 ug/L #	95
58) 1,1,2,2-Tetrachloroethane	12.58	83	3697	0.693 ug/L #	92
59) 1,2,3-Trichloropropane	12.63	75	2626	0.605 ug/L	99
62) Bromoform	12.22	173	1491	0.529 ug/L #	95
63) 1,3-Dichlorobenzene	13.36	146	7861	0.742 ug/L	93
64) 1,4-Dichlorobenzene	13.45	146	8291	0.783 ug/L	95
65) 1,2-Dichlorobenzene	13.74	146	6703	0.684 ug/L #	92
66) 1,2-Dibromo-3-chloropropan	14.35	75	628m	0.674 ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	5701	0.772 ug/L	94
68) 1,2,4-trichlorobenzene	15.00	180	5416	0.821 ug/L	95
69) Naphthalene	15.23	128	10758	0.654 ug/L #	95
70) 1,2,3-Trichlorobenzene	15.42	180	4433	0.723 ug/L #	51

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

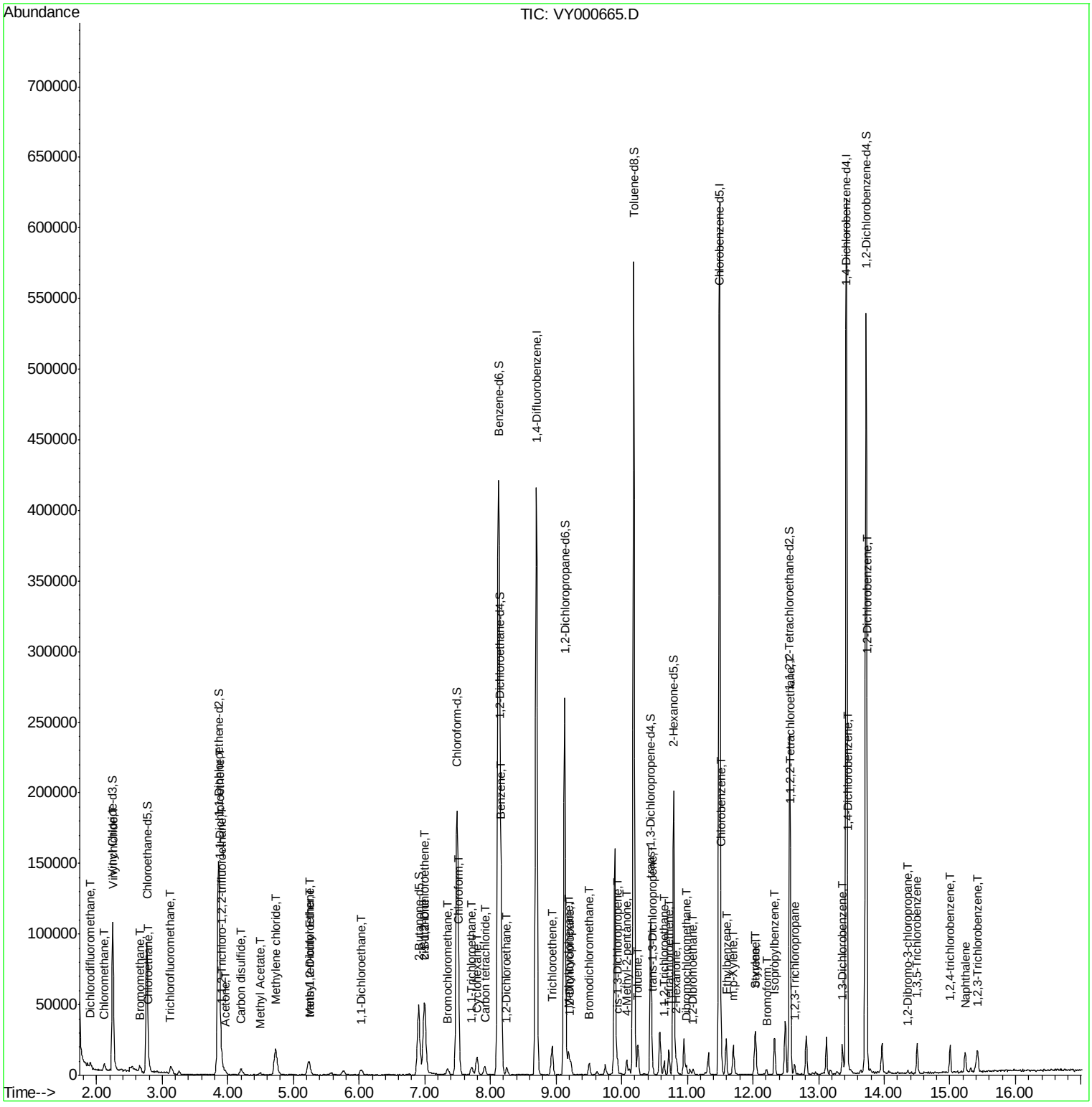
Quantitation Report (QT Reviewed)

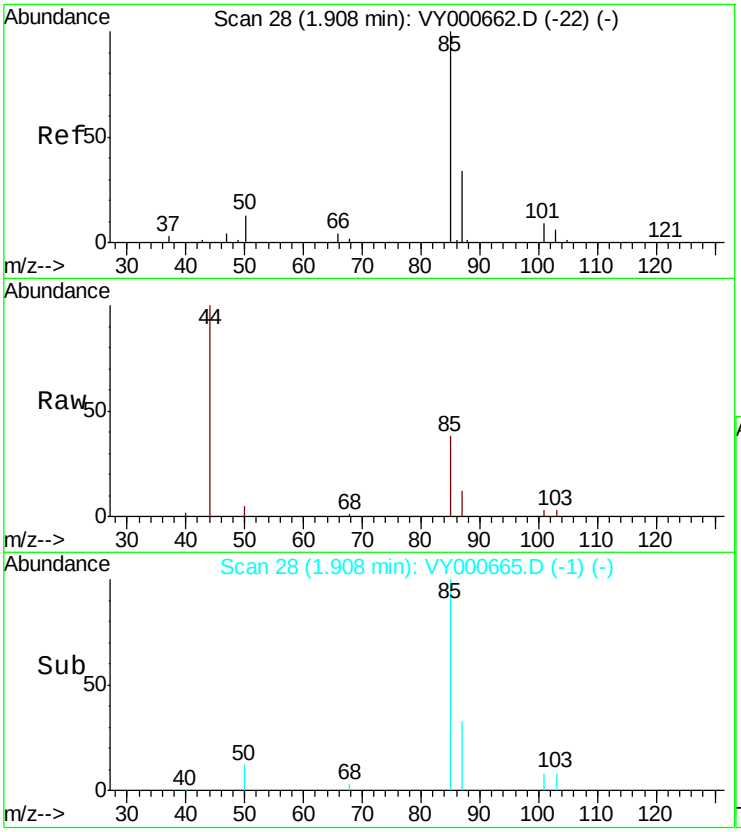
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111319\
Data File : VY000665.D
Acq On : 13 Nov 2019 12:16
Operator : SY/MD
Sample : MDL02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 14 07:59:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 14 01:29:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Manual Integrations APPROVED
MMDADODA
11/19/2019 11:58:58 AM





#2
Dichlorodifluoromethane
Concen: 0.771 ug/L
RT: 1.91 min Scan# 28
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 85 Resp: 3466

Ion	Ratio	Lower	Upper
85	100		
87	30.6	22.7	42.1

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Manual Integrations APPROVED
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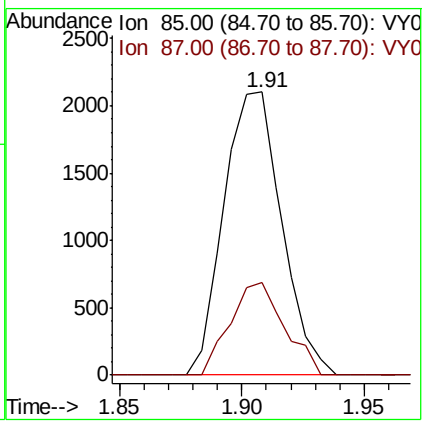
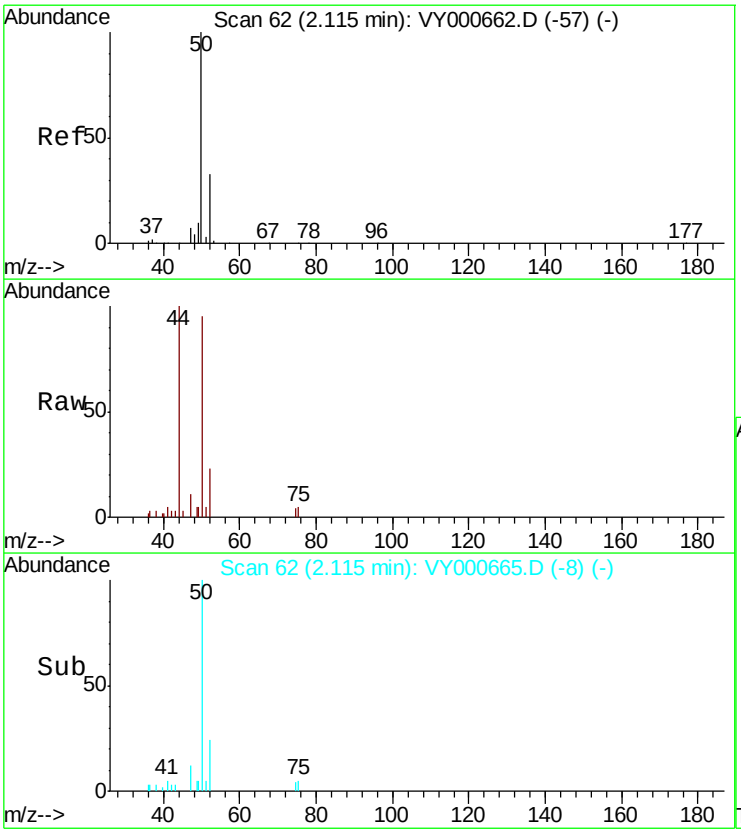
11/19/2019 11:58:58 AM

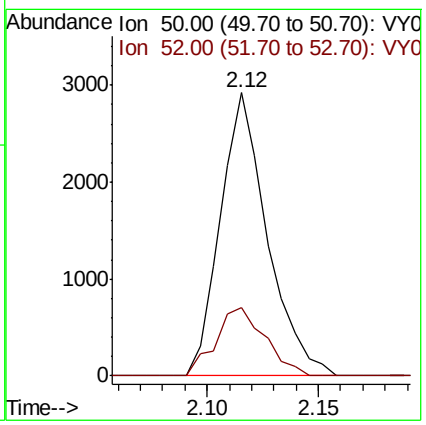


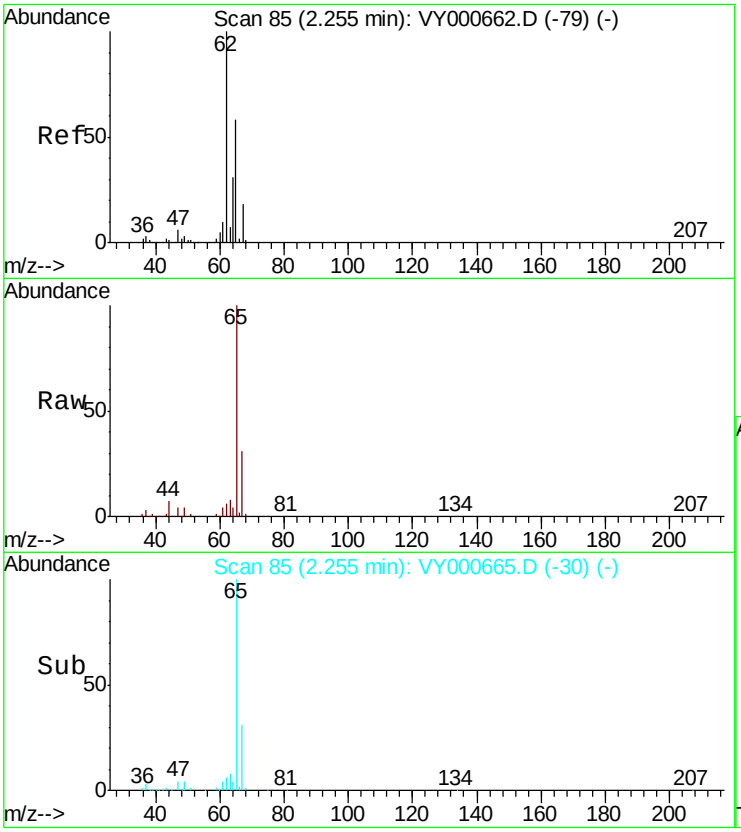


#3
Chloromethane
Concen: 0.759 ug/L
RT: 2.12 min Scan# 62
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 50 Resp: 4279

Ion	Ratio	Lower	Upper
50	100		
52	24.2	24.9	46.3#





#5
Vinyl chloride
Concen: 0.776 ug/L
RT: 2.26 min Scan# 85
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 62 Resp: 4368

Ion	Ratio	Lower	Upper
62	100		
64	58.3	22.0	40.8#

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Manual Integrations APPROVED
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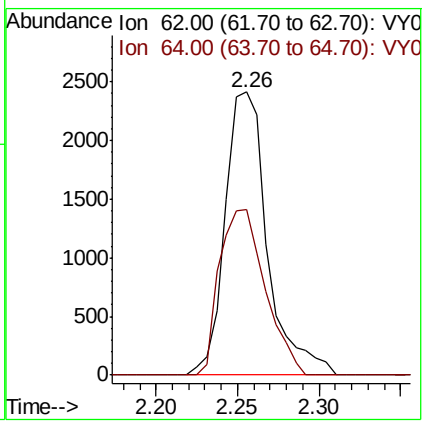
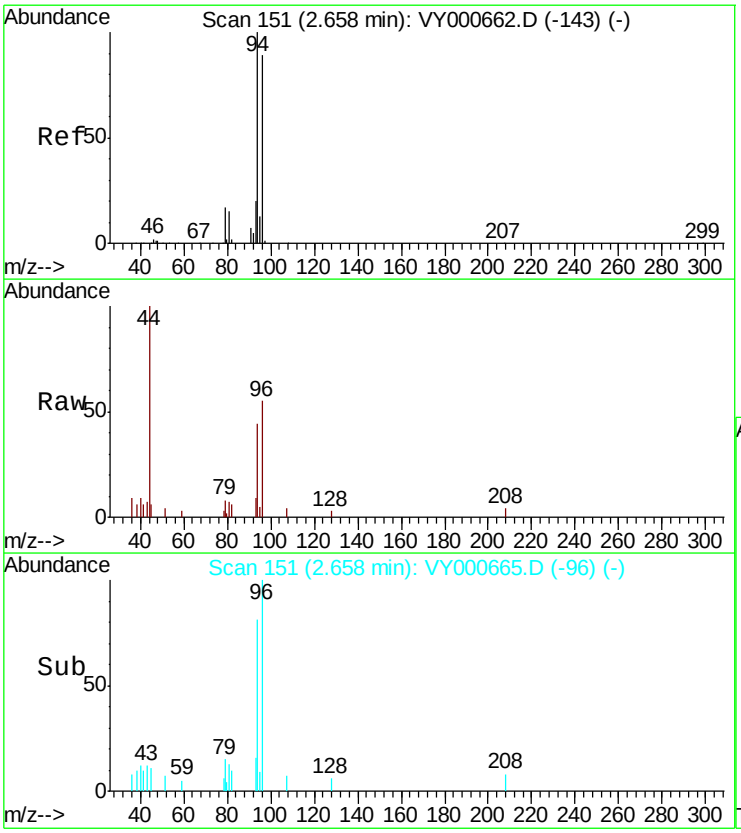
11/19/2019 11:58:58 AM

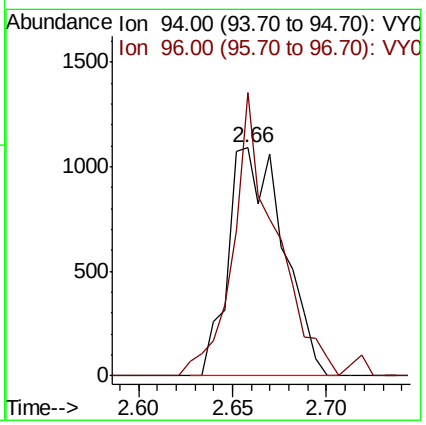


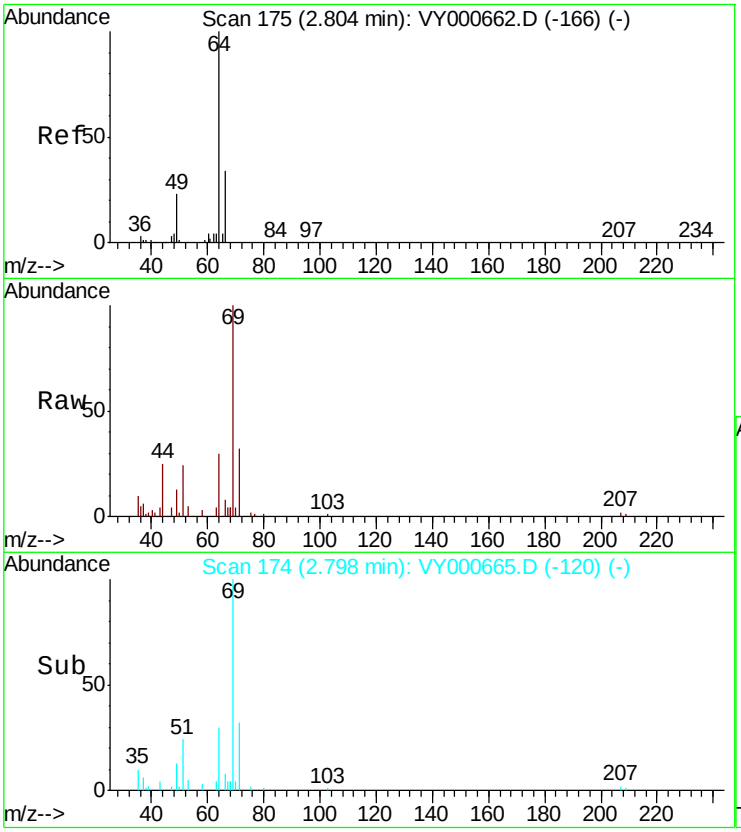


#6
Bromomethane
Concen: 0.731 ug/L m
RT: 2.66 min Scan# 151
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 94 Resp: 2245

Ion	Ratio	Lower	Upper
94	100		
96	95.8	9.8	185.6

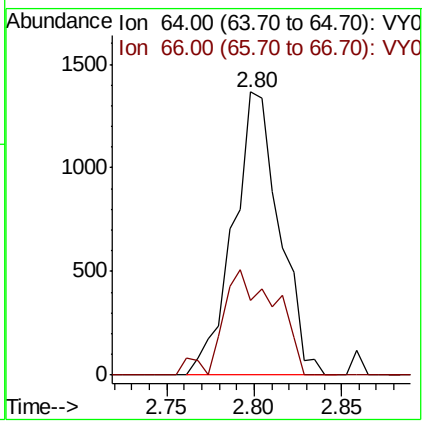




#8
Chloroethane
Concen: 0.711 ug/L
RT: 2.80 min Scan# 174
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 64 Resp: 2507

Ion	Ratio	Lower	Upper
64	100		
66	26.3	22.2	41.2



Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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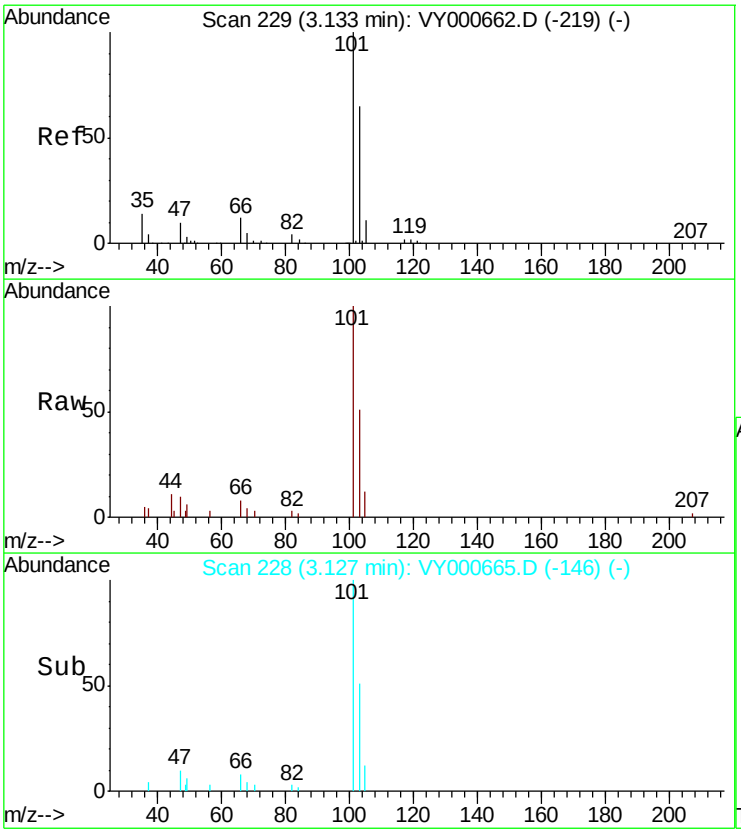
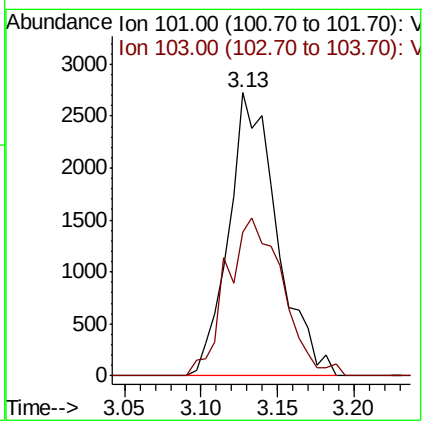
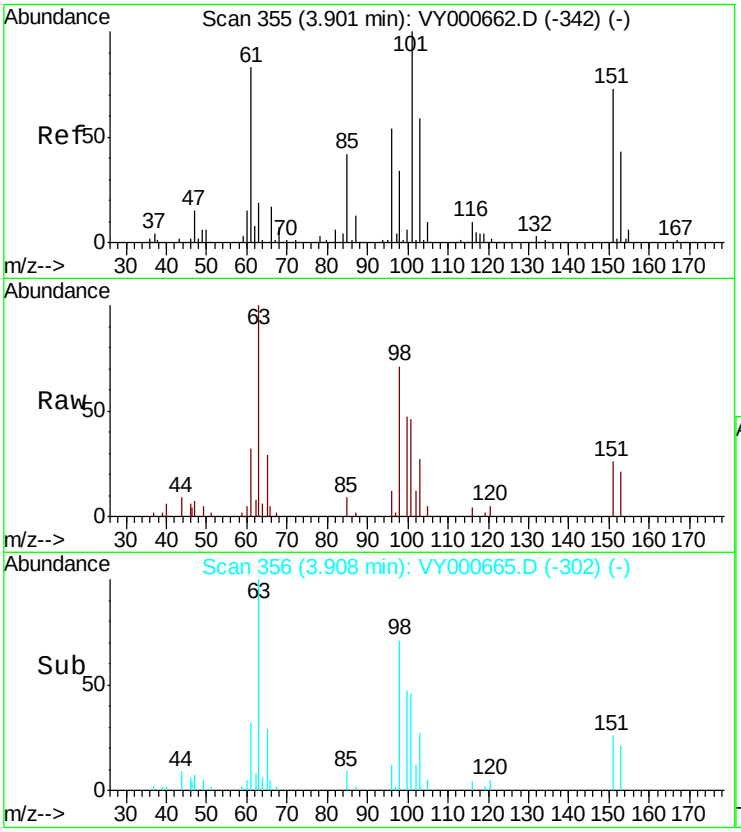


#9
Trichlorofluoromethane
Concen: 0.750 ug/L
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:101 Resp: 5978

Ion	Ratio	Lower	Upper
101	100		
103	64.0	45.8	85.0





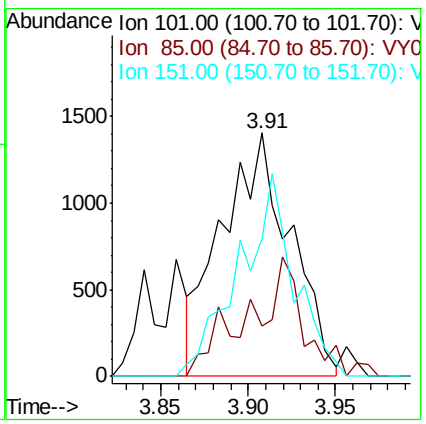
#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.850 ug/L
RT: 3.91 min Scan# 356
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

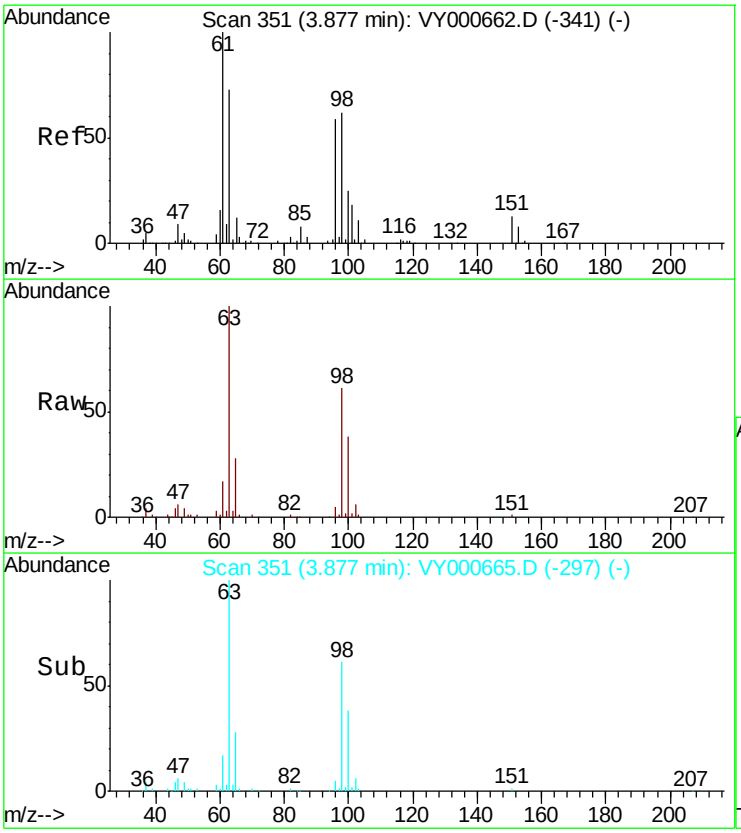
Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Manual Integrations APPROVED
MMDADODA
11/19/2019 11:58:58 AM

Tgt Ion:101 Resp: 3843

Ion	Ratio	Lower	Upper
101	100		
85	21.1	35.3	52.9#
151	41.0	61.9	92.9#

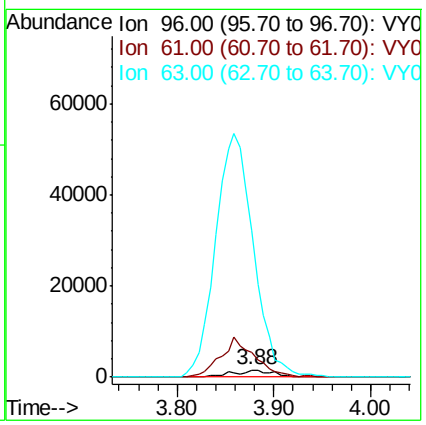


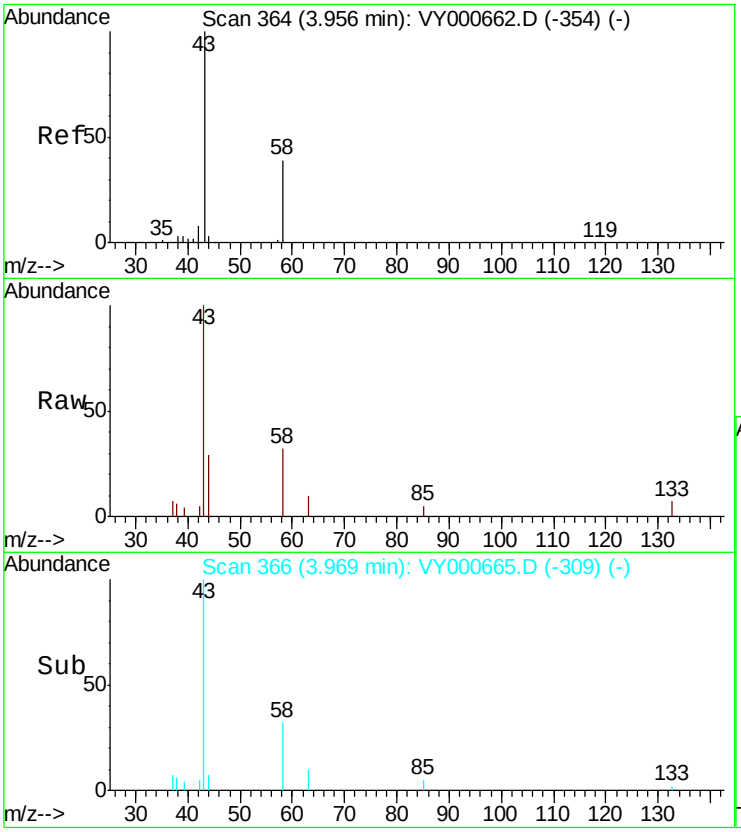


#12
1,1-Dichloroethene
Concen: 1.024 ug/L m
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 96 Resp: 4516

Ion	Ratio	Lower	Upper
96	100		
61	336.2	113.5	210.9#
63	1971.0	94.3	175.1#

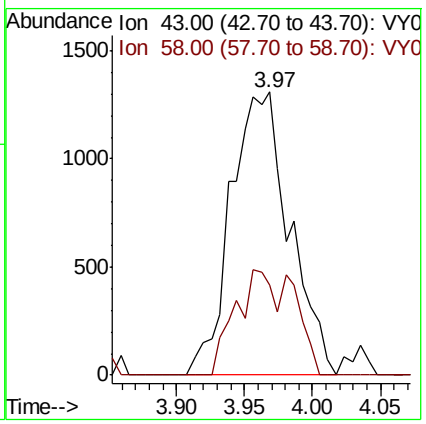




#13
Acetone
Concen: 2.723 ug/L
RT: 3.97 min Scan# 366
Delta R.T. 0.02 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 43 Resp: 3951

Ion	Ratio	Lower	Upper
43	100		
58	11.8	0.0	64.8



Instrument :
MSVOA_Y
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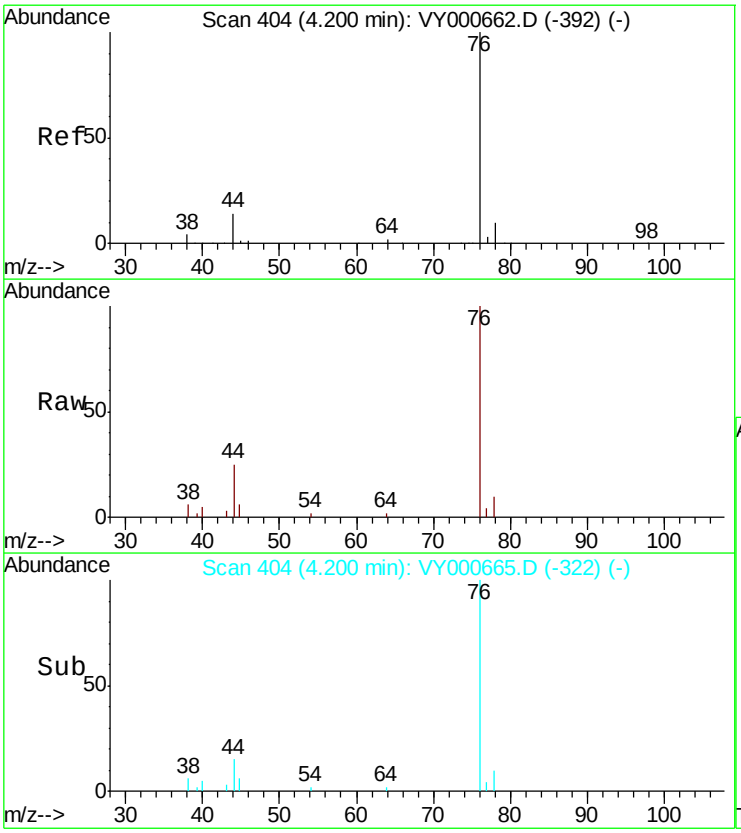
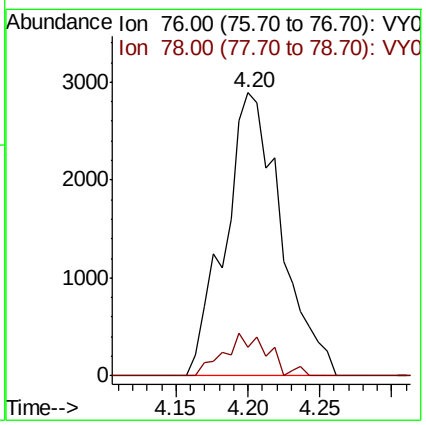
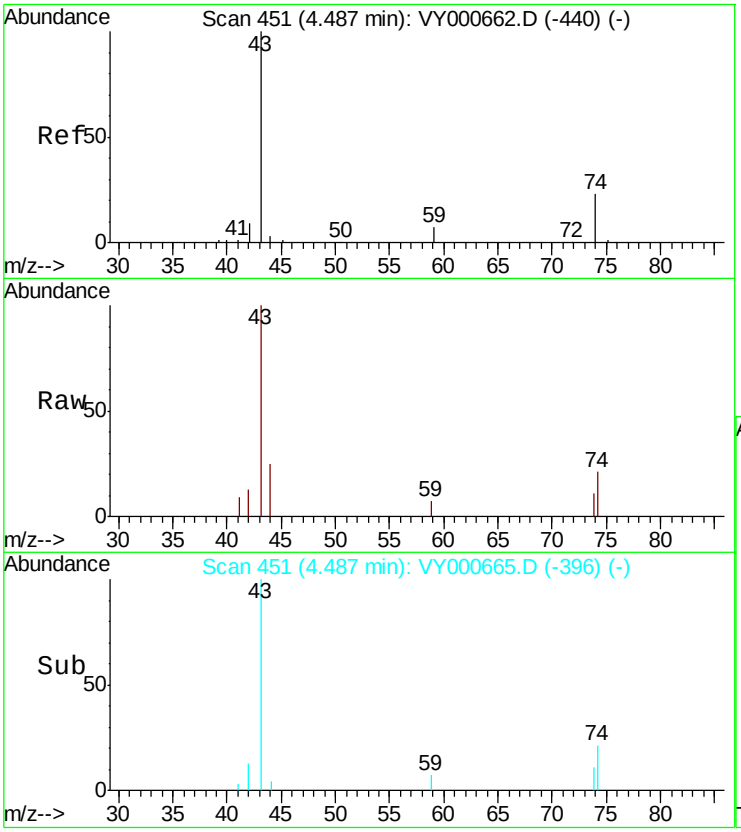


#14
Carbon disulfide
Concen: 0.575 ug/L
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 76 Resp: 7824

Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

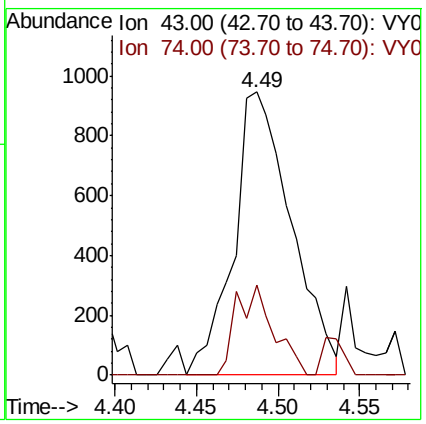




#15
Methyl Acetate
Concen: 0.701 ug/L
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 43 Resp: 2331

Ion	Ratio	Lower	Upper
43	100		
74	20.6	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
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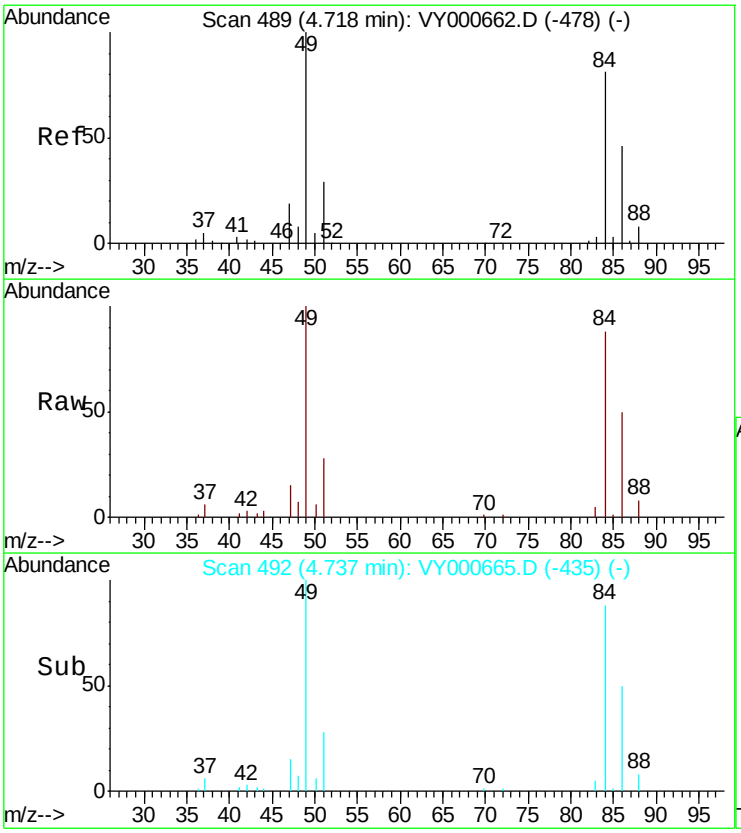
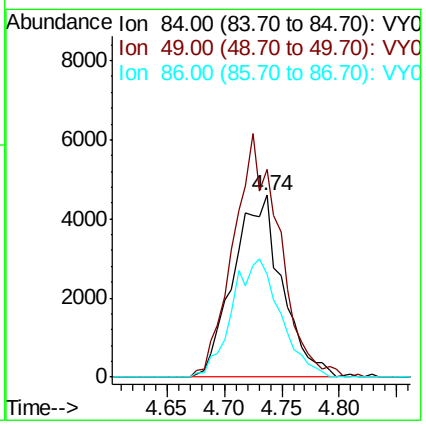
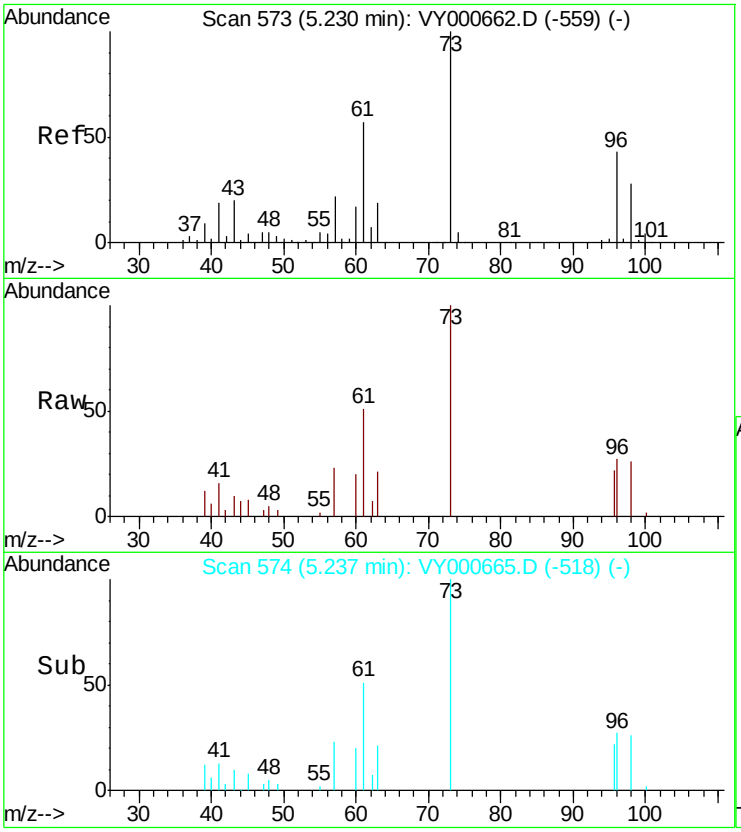


#16
Methylene chloride
Concen: 2.408 ug/L m
RT: 4.74 min Scan# 492
Delta R.T. 0.02 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 84 Resp: 13526

Ion	Ratio	Lower	Upper
84	100		
49	114.2	88.8	165.0
86	56.6	43.9	81.5

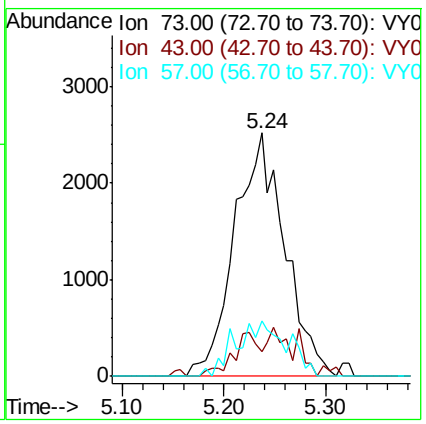




#17
Methyl tert-butyl Ether
Concen: 0.639 ug/L
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 73 Resp: 8583

Ion	Ratio	Lower	Upper
73	100		
43	7.5	15.4	23.0#
57	14.3	17.5	26.3#



Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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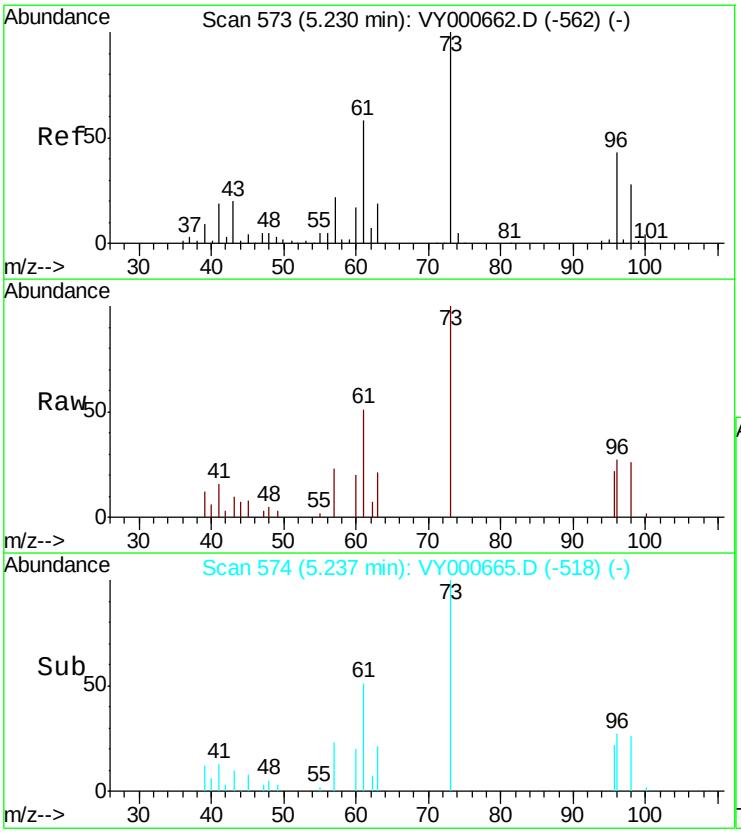
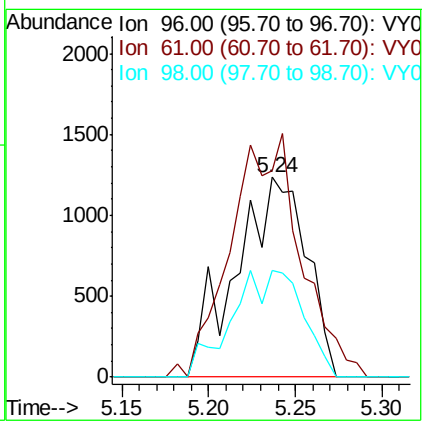
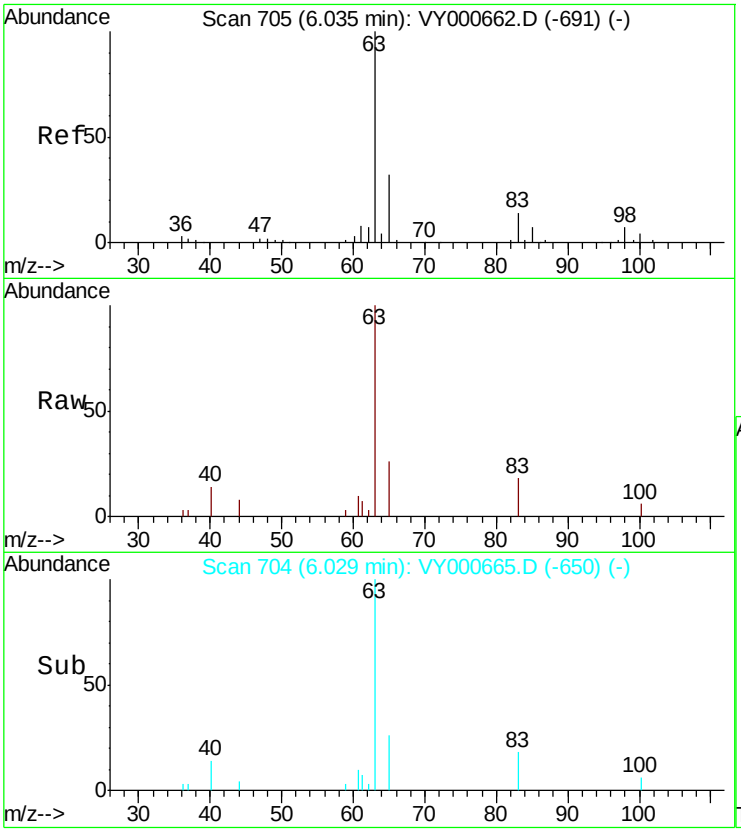


#18
trans-1,2-Dichloroethene
Concen: 0.709 ug/L m
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 96 Resp: 3491

Ion	Ratio	Lower	Upper
96	100		
61	188.7	91.8	170.4#
98	97.3	46.3	85.9#

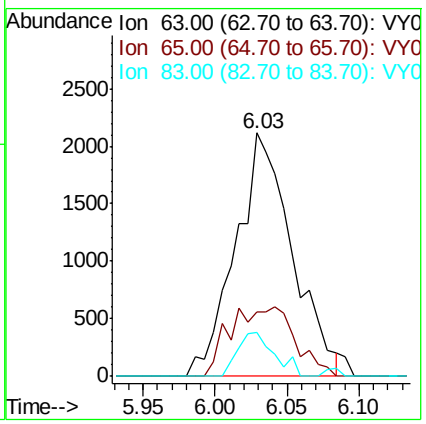




#19
1,1-Dichloroethane
Concen: 0.664 ug/L
RT: 6.03 min Scan# 704
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 63 Resp: 5757

Ion	Ratio	Lower	Upper
63	100		
65	26.5	23.9	44.5
83	18.1	10.1	18.9



Instrument :
MSVOA_Y
ClientSampleId :
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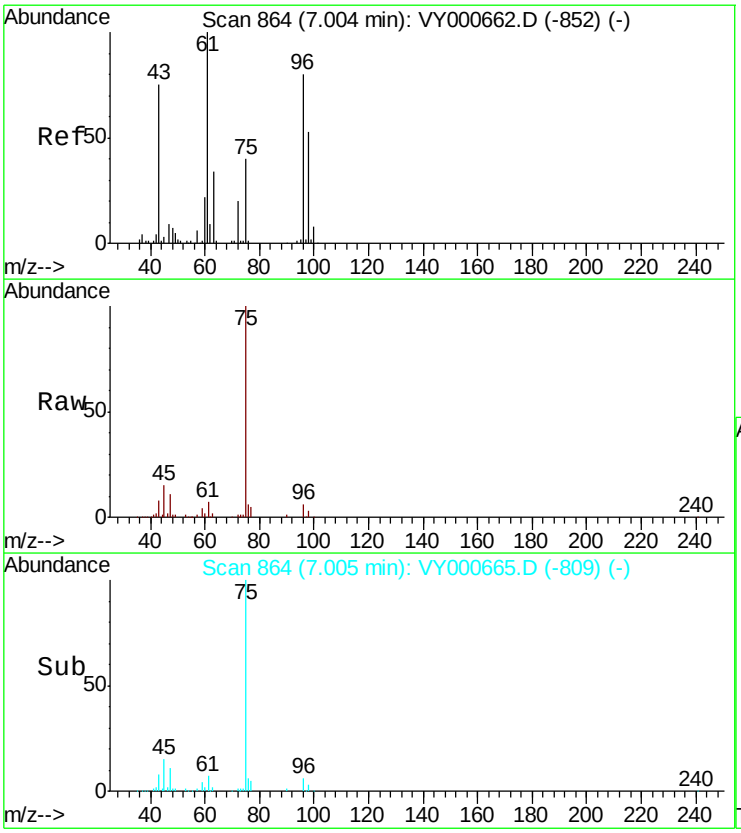
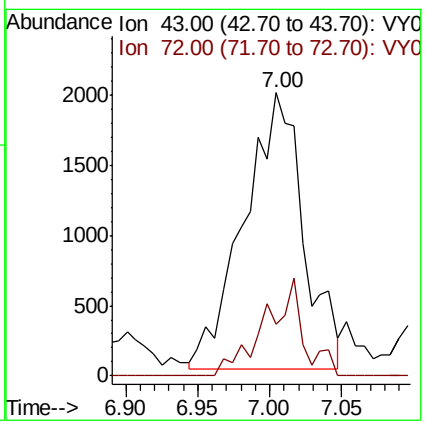
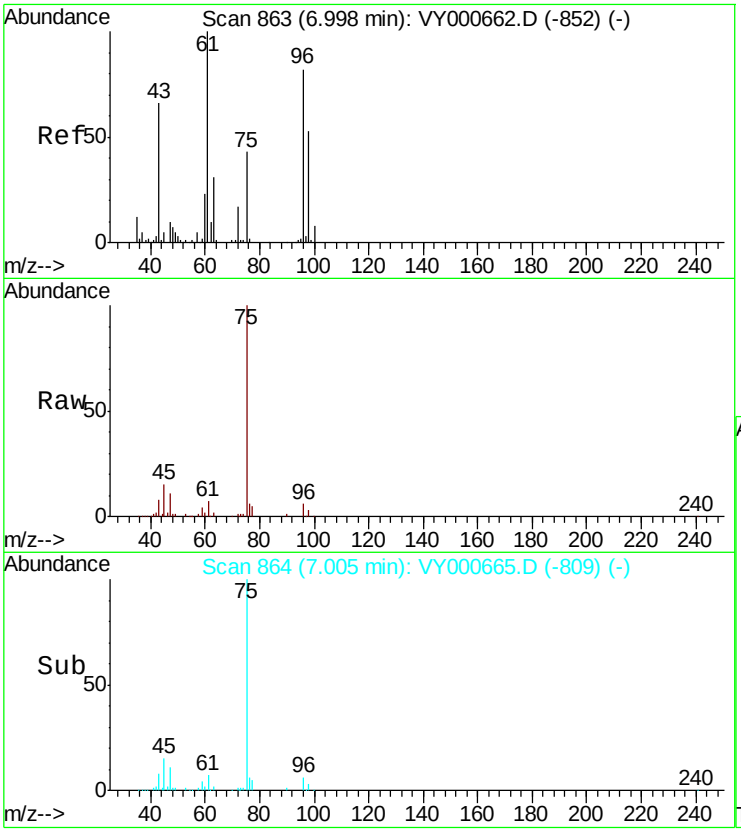


#21
2-Butanone
Concen: 2.220 ug/L m
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 43 Resp: 5675

Ion	Ratio	Lower	Upper
43	100		
72	2.4	12.6	37.8#

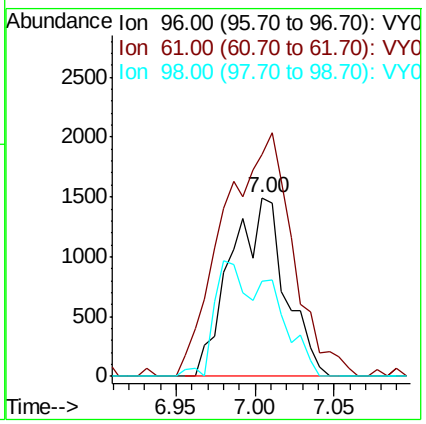




#22
cis-1,2-Dichloroethene
Concen: 0.664 ug/L m
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 96 Resp: 3618

Ion	Ratio	Lower	Upper
96	100		
61	124.5	86.8	161.2
98	53.1	44.6	82.8



Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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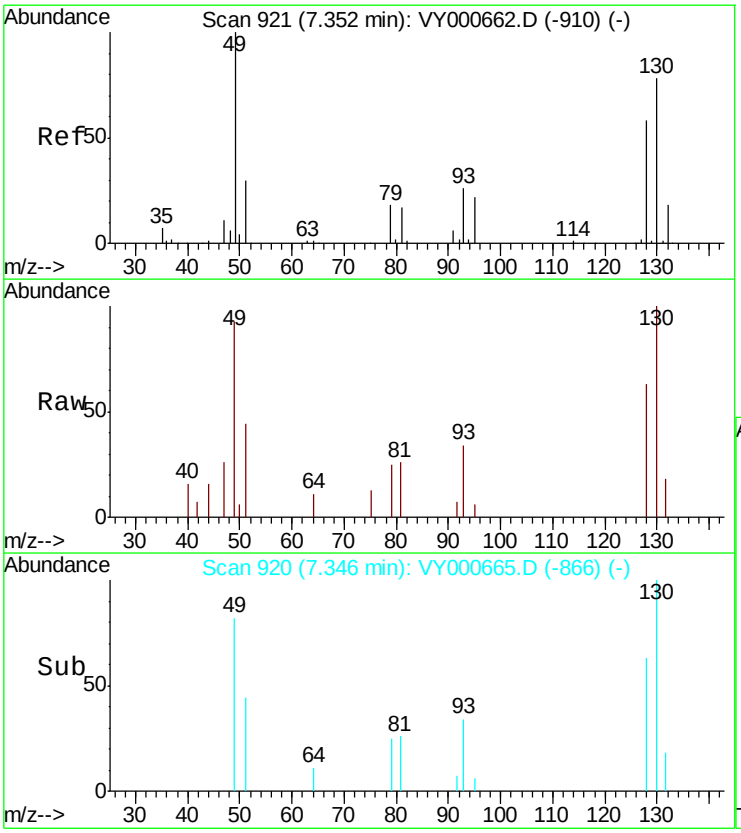
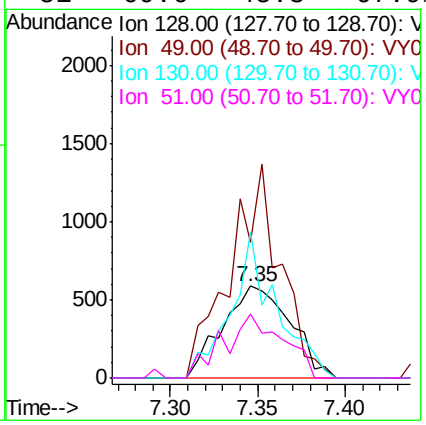
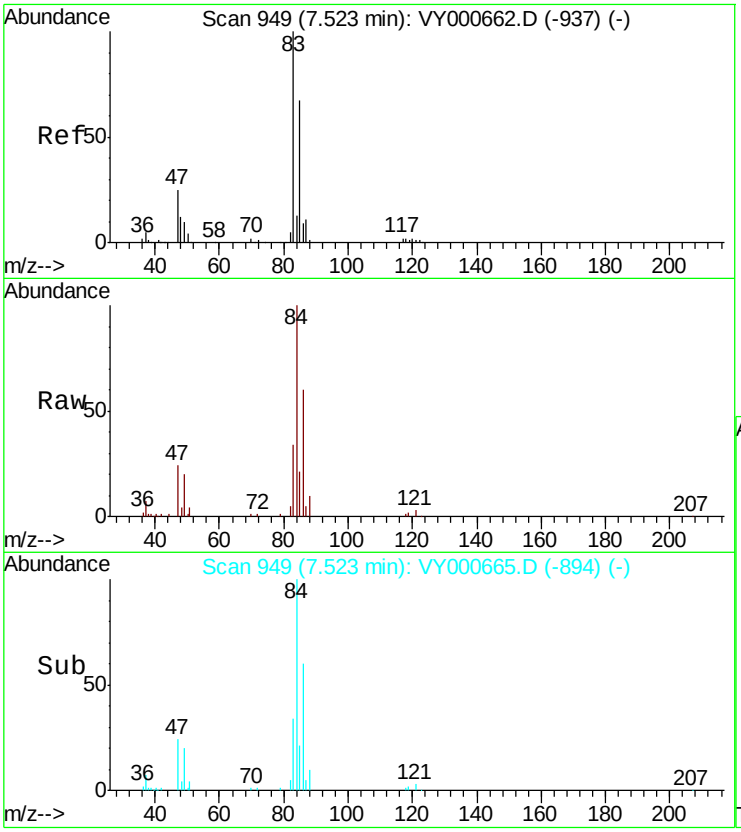


#23
Bromochloromethane
Concen: 0.667 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:128 Resp: 1588

Ion	Ratio	Lower	Upper
128	100		
49	148.3	131.5	244.3
130	159.4	96.7	179.5
51	69.6	45.3	67.9#

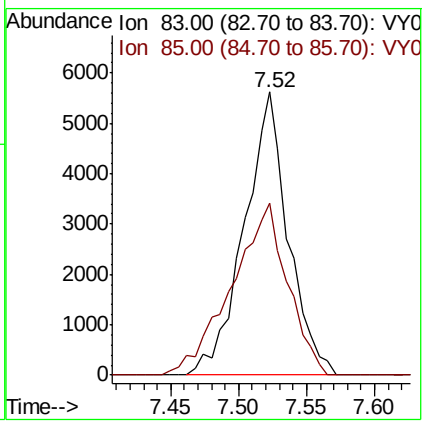




#25
Chloroform
Concen: 1.358 ug/L
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 83 Resp: 12694

Ion	Ratio	Lower	Upper
83	100		
85	77.2	45.6	84.6



Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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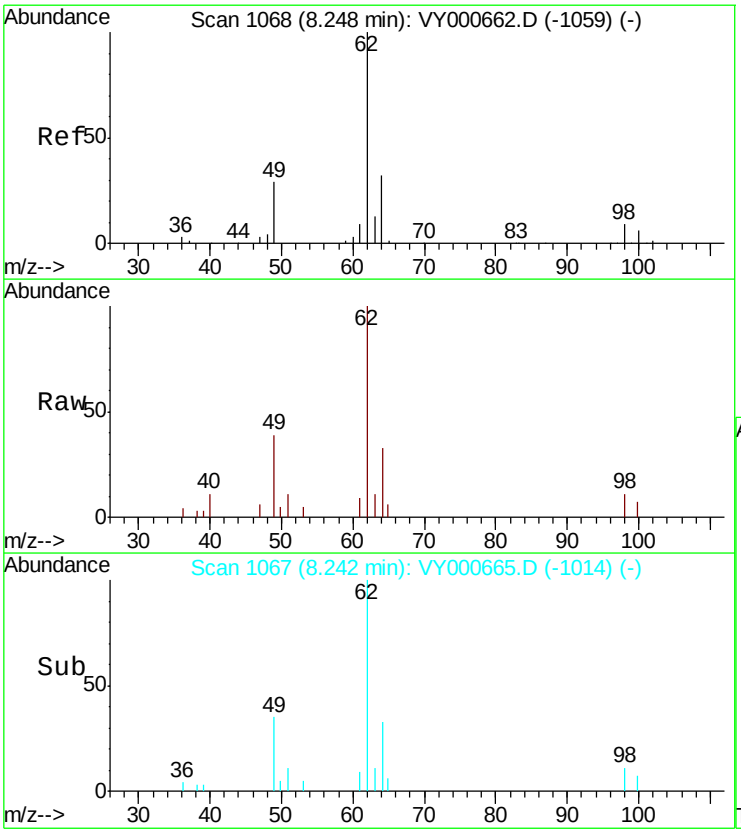
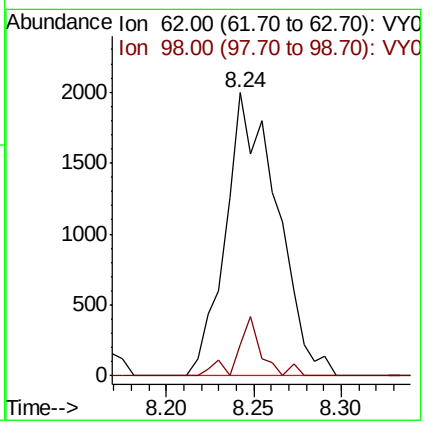
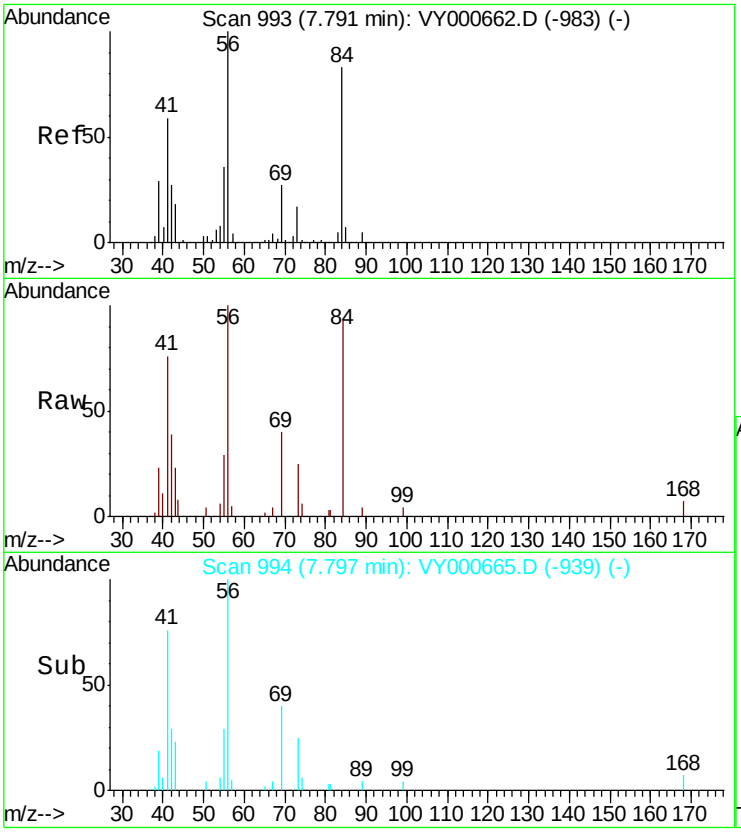


#27
1,2-Dichloroethane
Concen: 0.658 ug/L
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 62 Resp: 4109

Ion	Ratio	Lower	Upper
62	100		
98	10.9	7.5	11.3

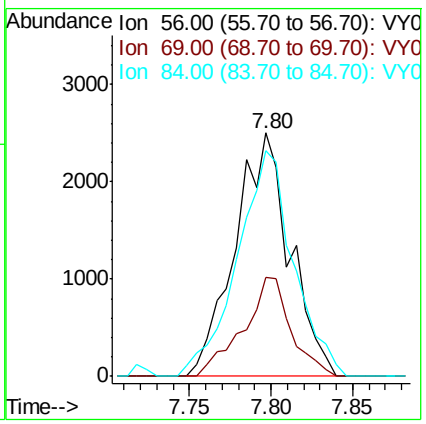




#30
Cyclohexane
Concen: 0.685 ug/L
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 56 Resp: 5885

Ion	Ratio	Lower	Upper
56	100		
69	35.0	24.1	36.1
84	94.6	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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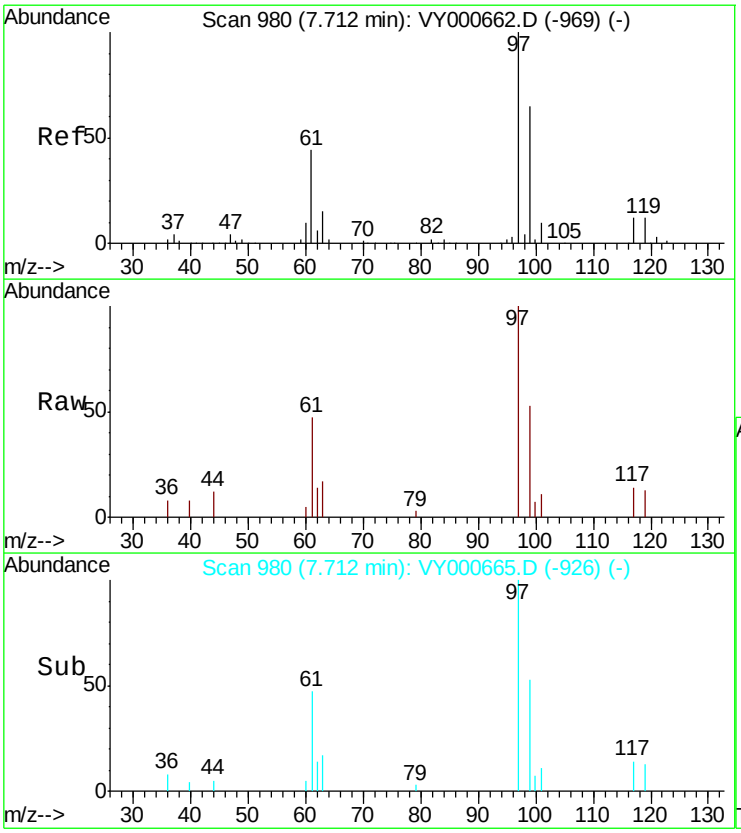
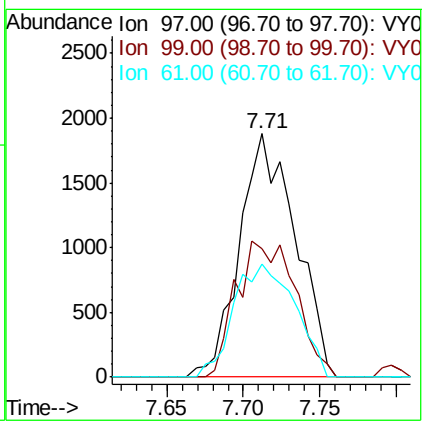
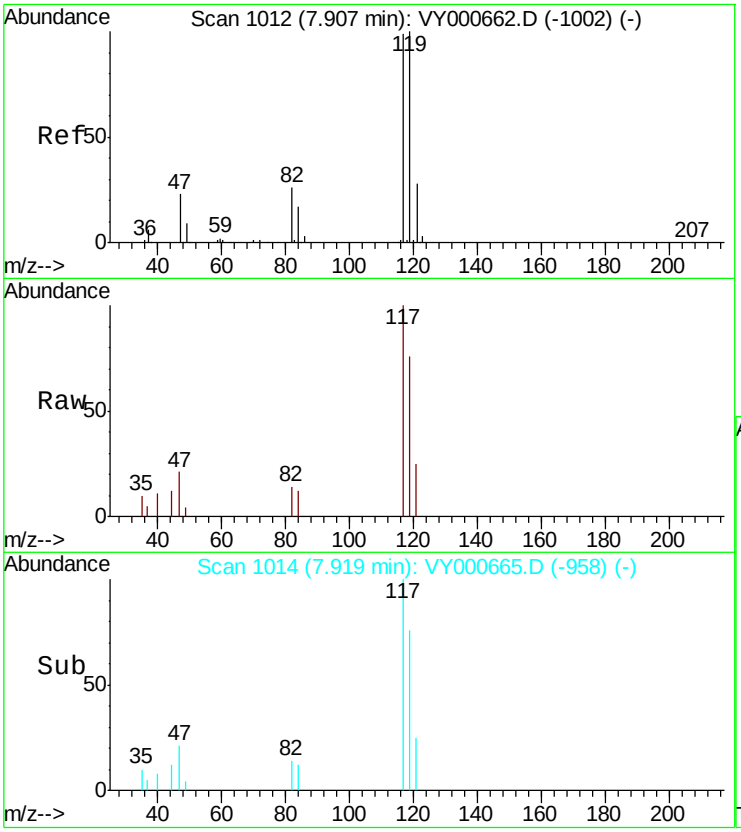


#31
1,1,1-Trichloroethane
Concen: 0.615 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 97 Resp: 4768

Ion	Ratio	Lower	Upper
97	100		
99	35.6	51.4	77.0#
61	51.0	34.7	52.1

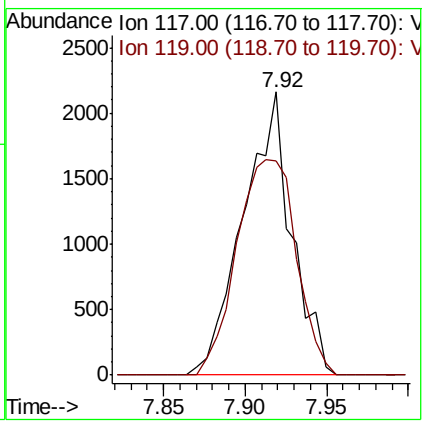




#32
Carbon tetrachloride
Concen: 0.661 ug/L
RT: 7.92 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:117 Resp: 4471

Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.2	114.2



Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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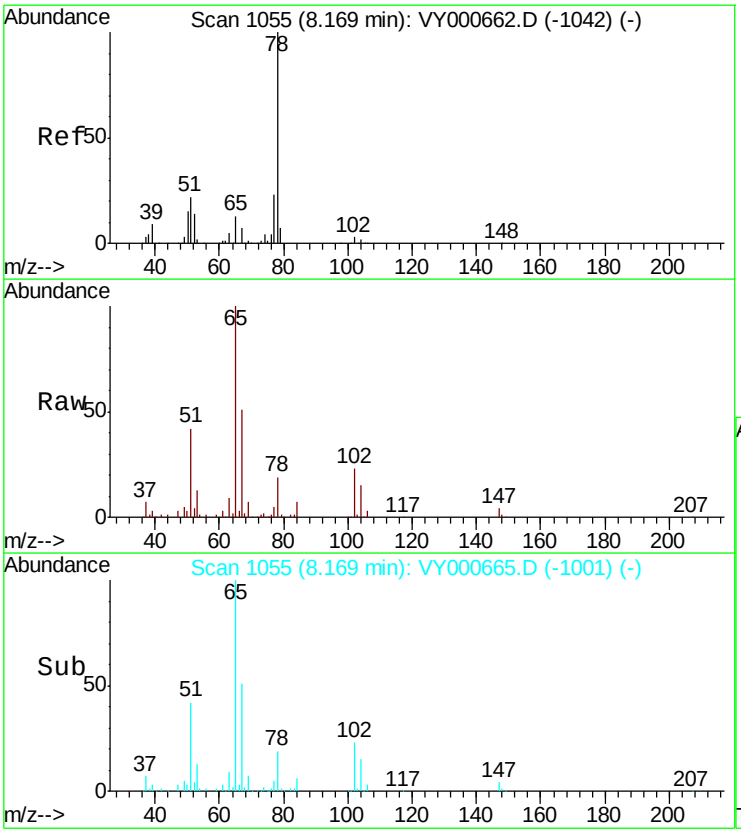
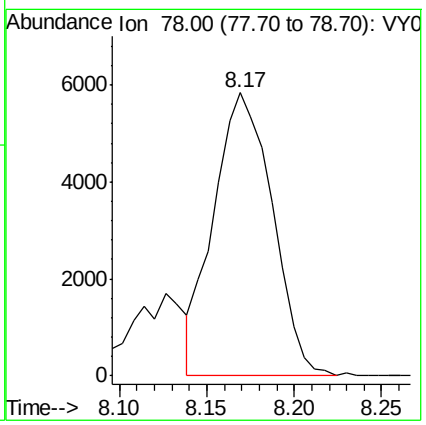
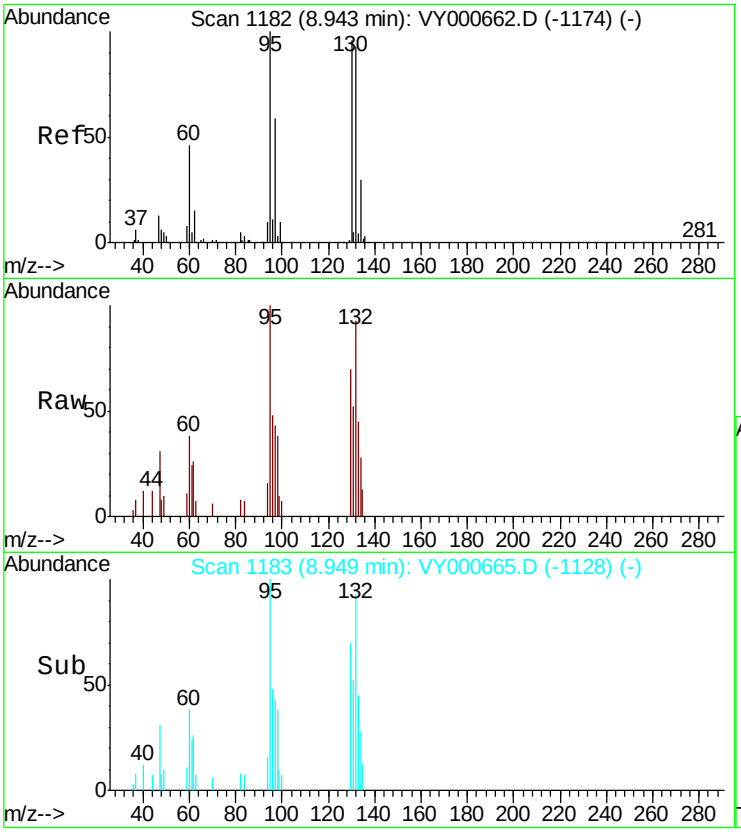


#34
Benzene
Concen: 0.660 ug/L
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 78 Resp: 13582

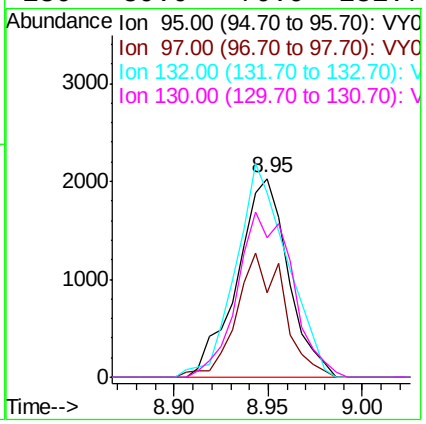




#35
Trichloroethene
Concen: 0.710 ug/L
RT: 8.95 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 95 Resp: 3830

Ion	Ratio	Lower	Upper
95	100		
97	56.6	44.4	82.4
132	105.8	66.8	124.0
130	89.0	70.9	131.7



Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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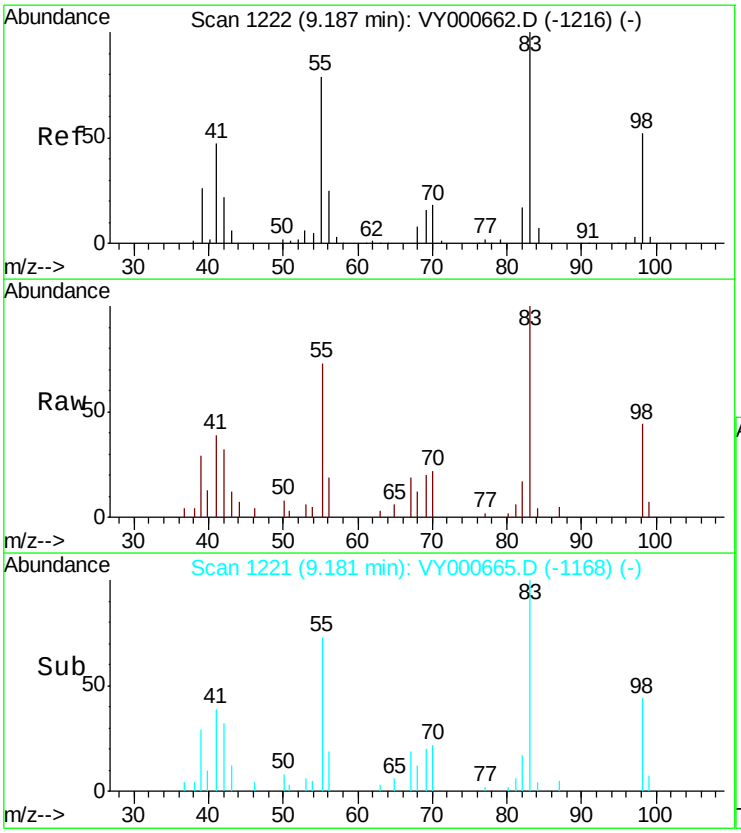
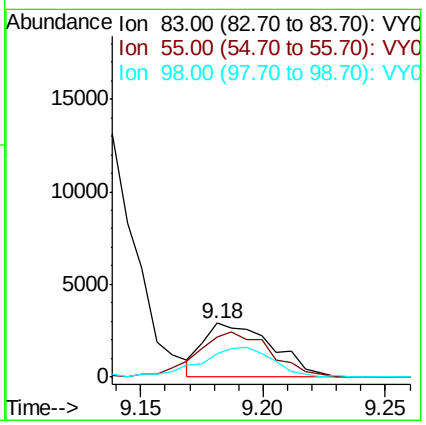
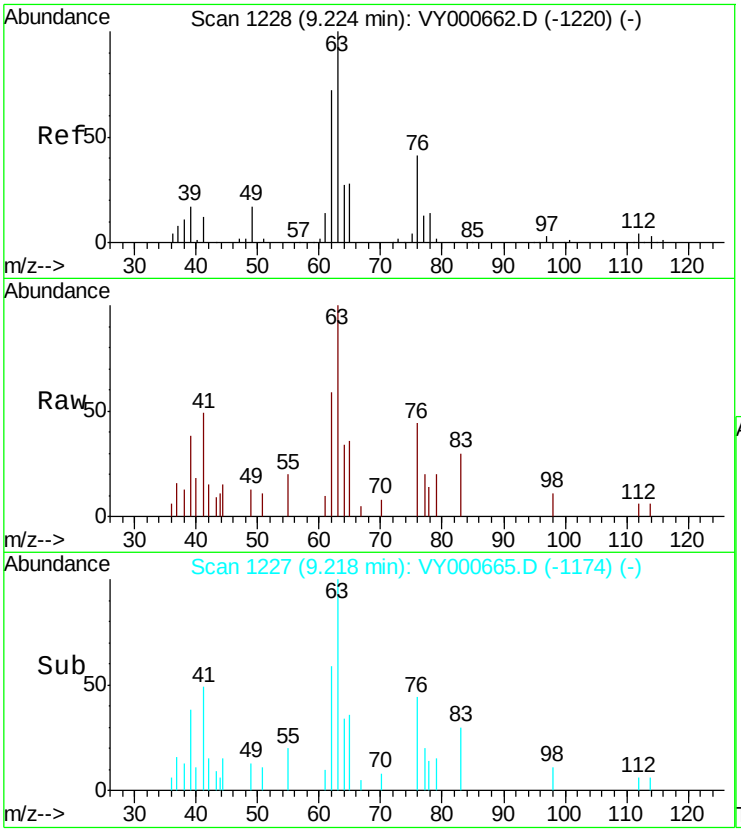


#36
Methylcyclohexane
Concen: 0.615 ug/L
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 83 Resp: 5682

Ion	Ratio	Lower	Upper
83	100		
55	90.1	60.0	90.0#
98	57.5	40.2	60.2

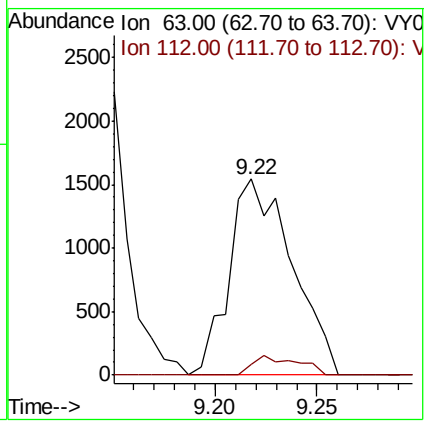




#40
1,2-Dichloropropane
Concen: 0.635 ug/L
RT: 9.22 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 63 Resp: 3310

Ion	Ratio	Lower	Upper
63	100		
112	7.1	3.2	4.8#



Instrument :
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ClientSampleId :
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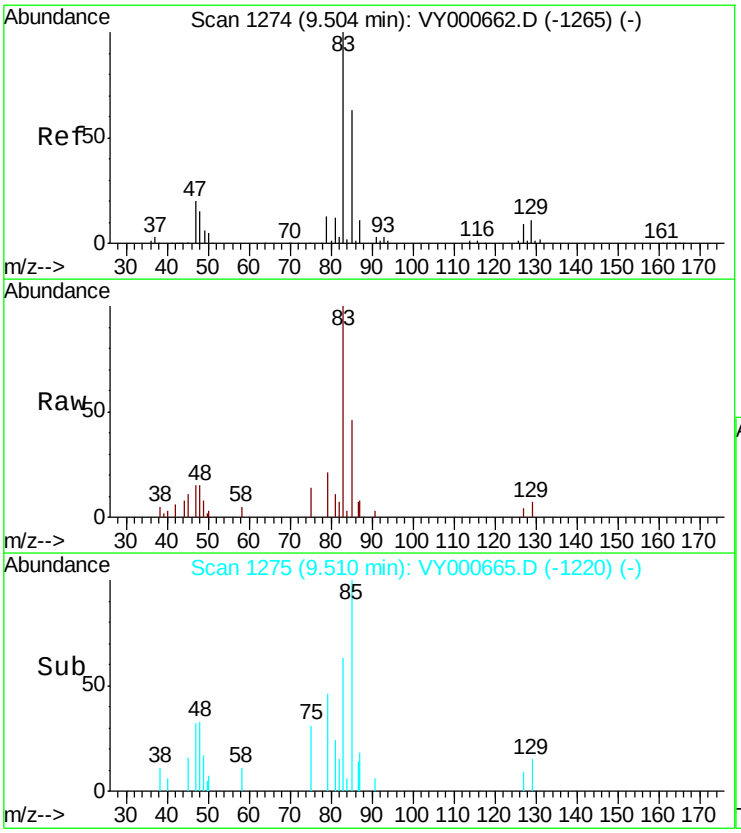
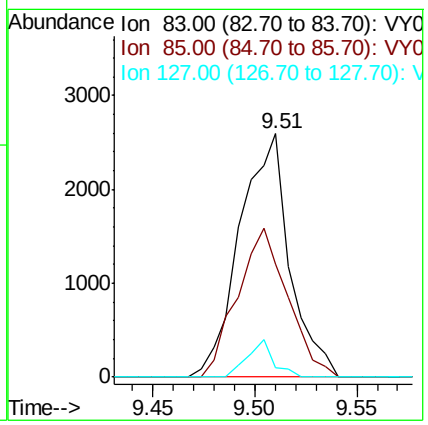
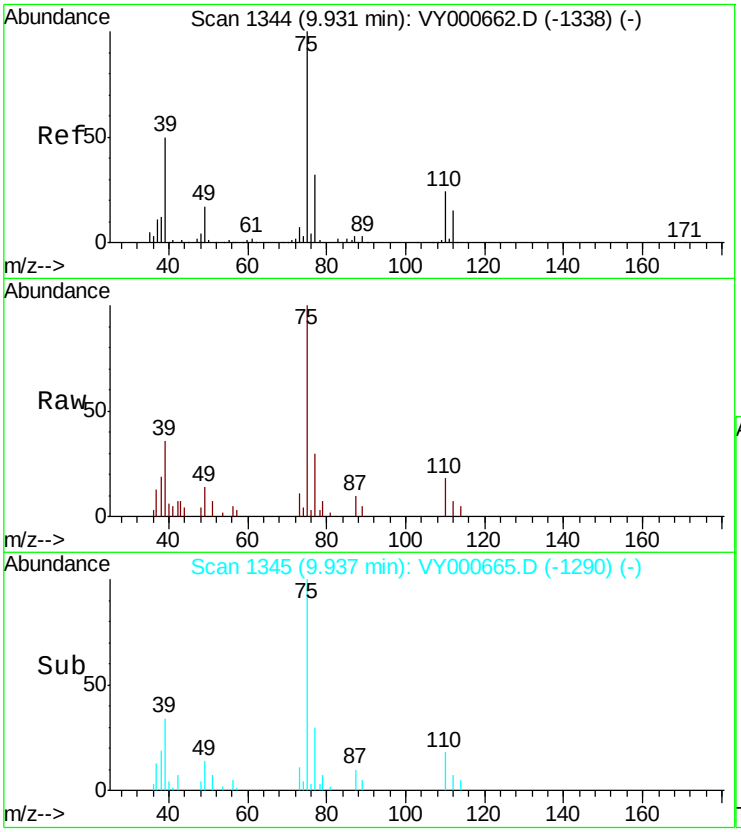


#41
Bromodichloromethane
Concen: 0.656 ug/L
RT: 9.51 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 83 Resp: 4405

Ion	Ratio	Lower	Upper
83	100		
85	46.2	46.1	85.5
127	4.0	6.5	9.7#





#42
cis-1,3-Dichloropropene
Concen: 0.522 ug/L
RT: 9.94 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 75 Resp: 4389

Ion	Ratio	Lower	Upper
75	100		
77	29.9	21.7	40.3

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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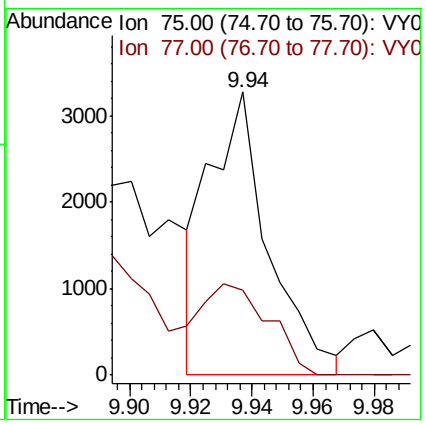
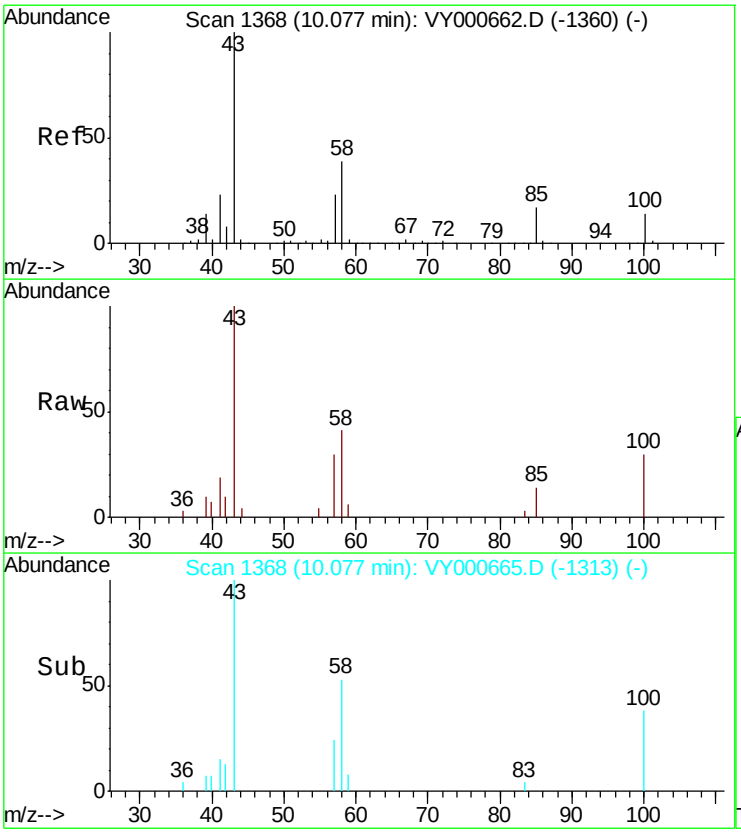
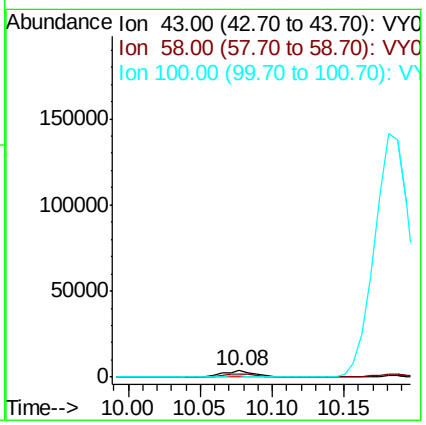


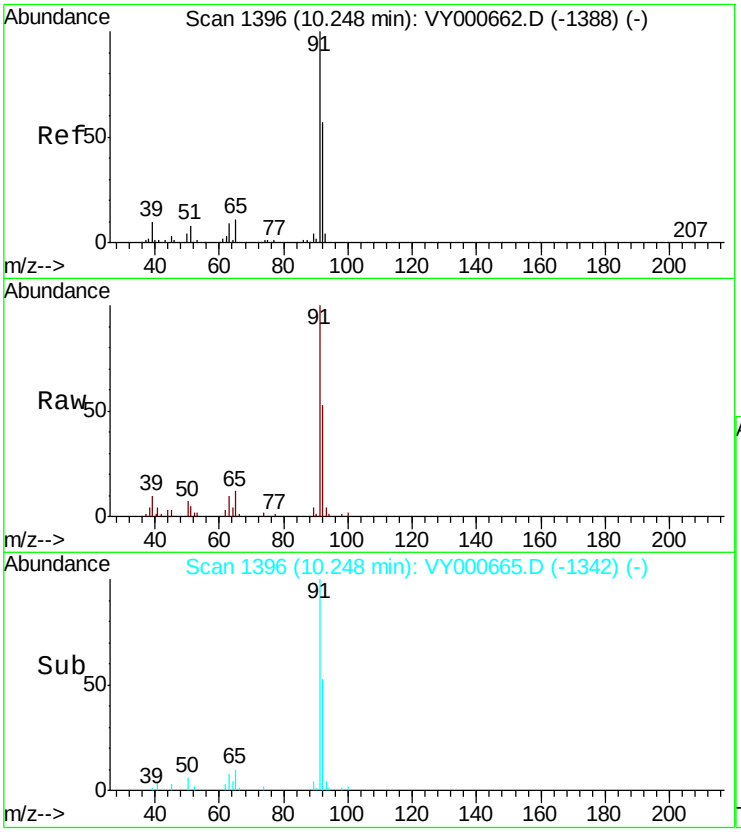


#43
4-Methyl-2-pentanone
Concen: 1.330 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 43 Resp: 6636

Ion	Ratio	Lower	Upper
43	100		
58	42.3	30.6	45.8
100	18.9	12.0	18.0#





#44
Toluene
Concen: 0.698 ug/L
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 91 Resp: 15528

Ion	Ratio	Lower	Upper
91	100		
92	52.7	39.5	73.4

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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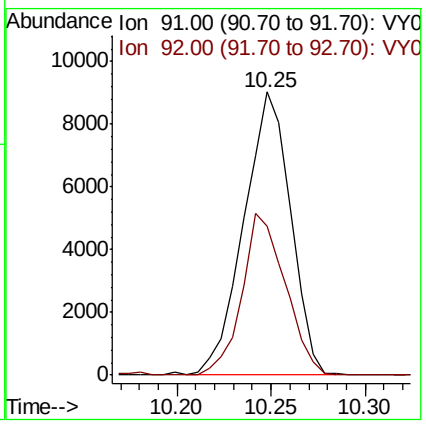
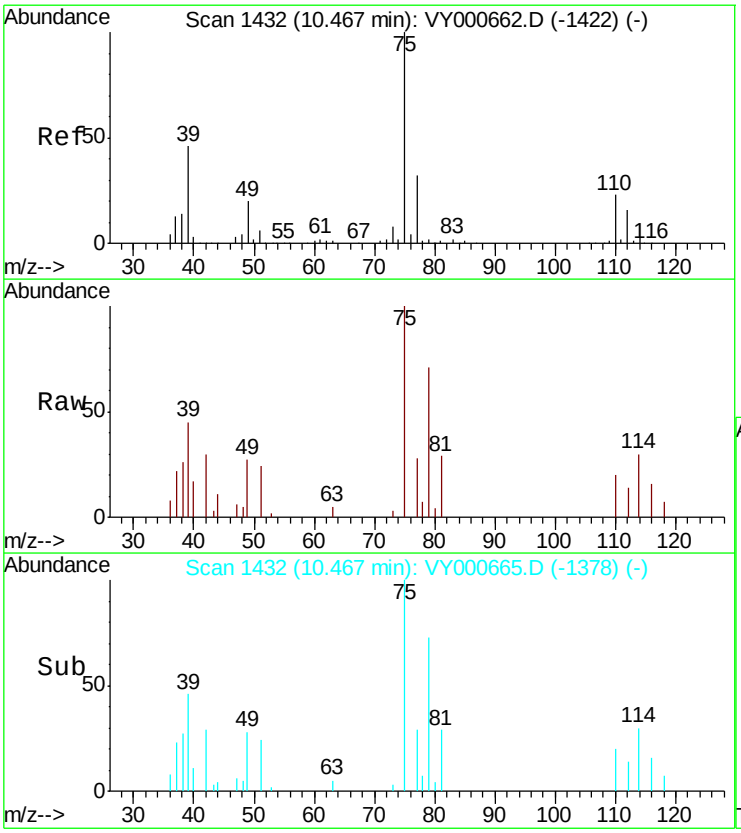
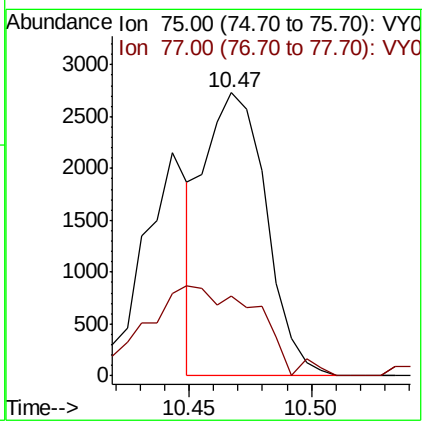


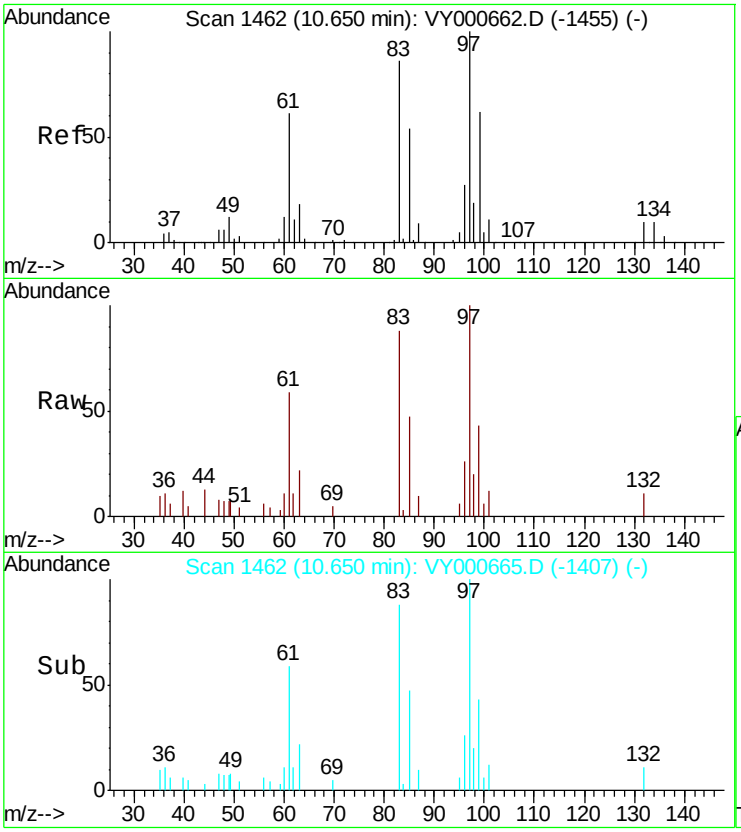


#45
trans-1,3-Dichloropropene
Concen: 0.664 ug/L
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 75 Resp: 4794

Ion	Ratio	Lower	Upper
75	100		
77	28.3	20.4	37.8

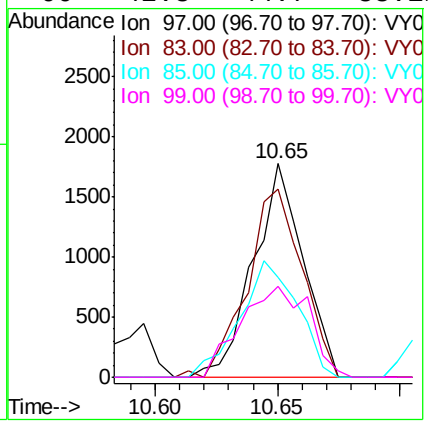




#46
1,1,2-Trichloroethane
Concen: 0.590 ug/L
RT: 10.65 min Scan# 1462
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 97 Resp: 2524

Ion	Ratio	Lower	Upper
97	100		
83	87.9	58.7	109.1
85	46.7	37.3	69.3
99	42.8	44.7	83.1#



Instrument :
MSVOA_Y
ClientSampleId :
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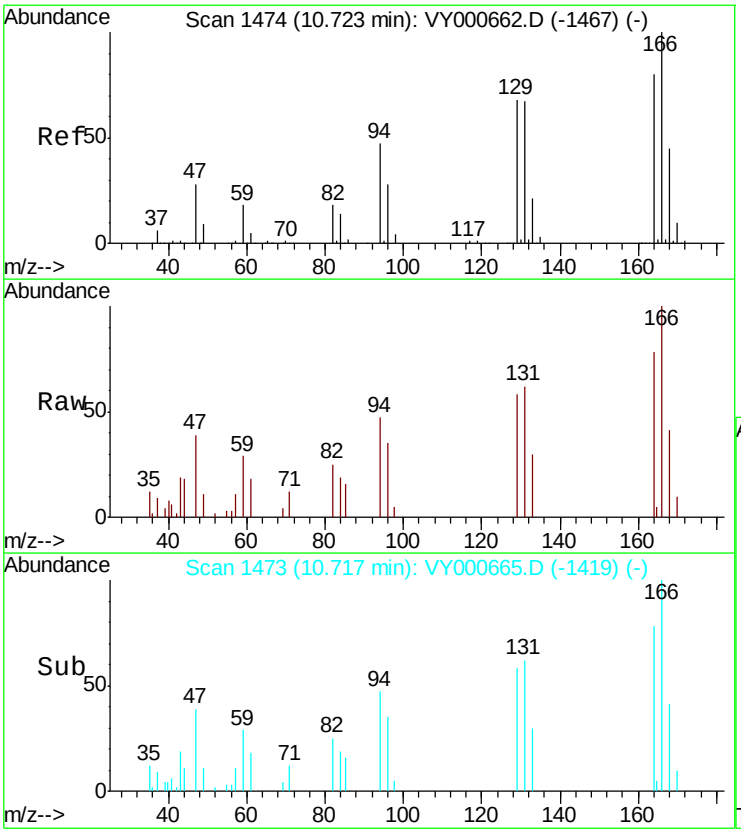
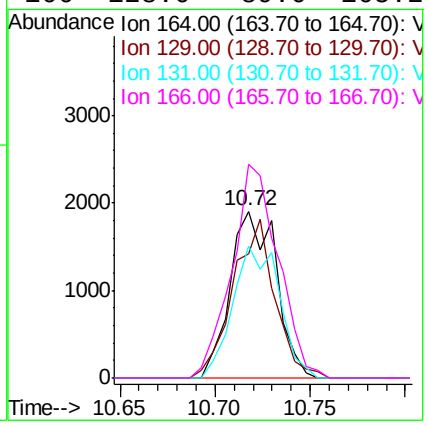
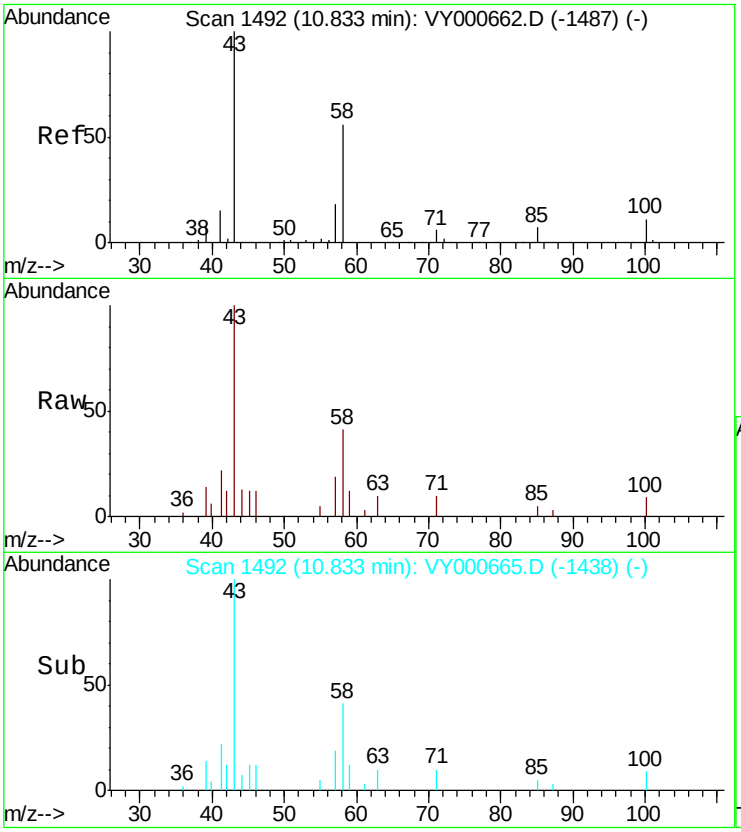


#47
Tetrachloroethene
Concen: 0.796 ug/L m
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:164 Resp: 3208

Ion	Ratio	Lower	Upper
164	100		
129	74.6	69.6	129.2
131	79.3	66.8	124.2
166	128.0	89.0	165.2

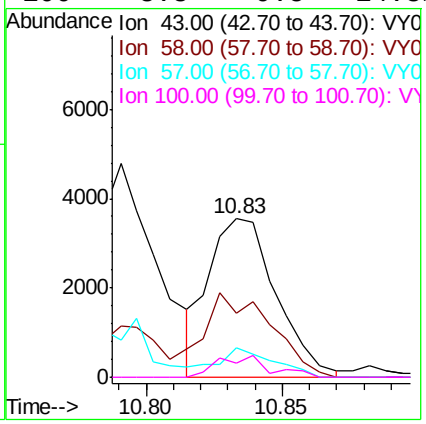




#49
2-Hexanone
Concen: 1.567 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 43 Resp: 6088

Ion	Ratio	Lower	Upper
43	100		
58	0.0	44.1	66.1#
57	12.0	13.9	20.9#
100	8.8	9.5	14.3#



Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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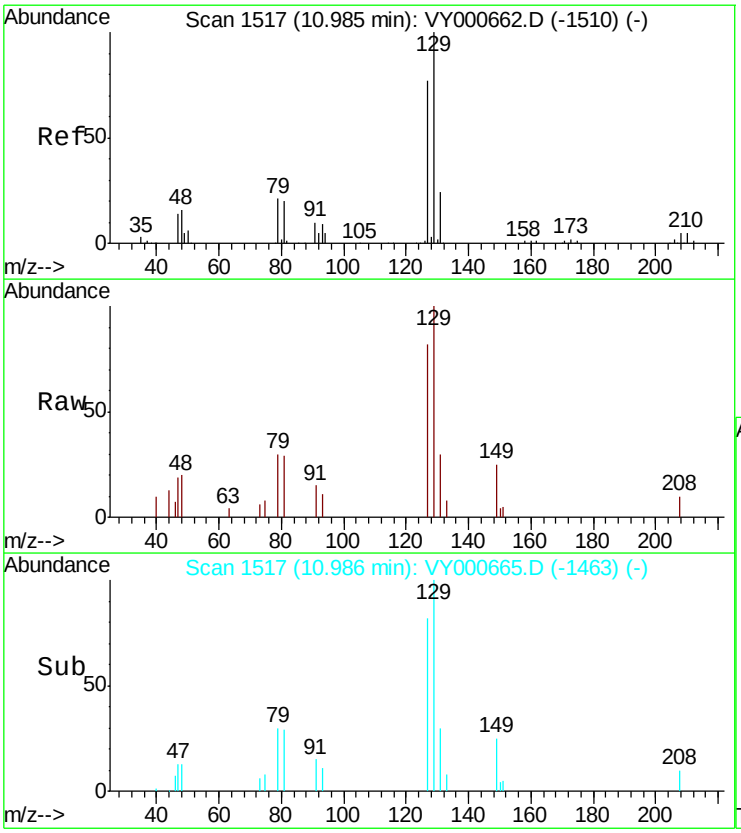
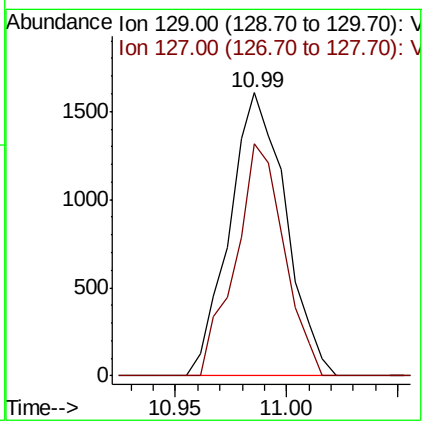
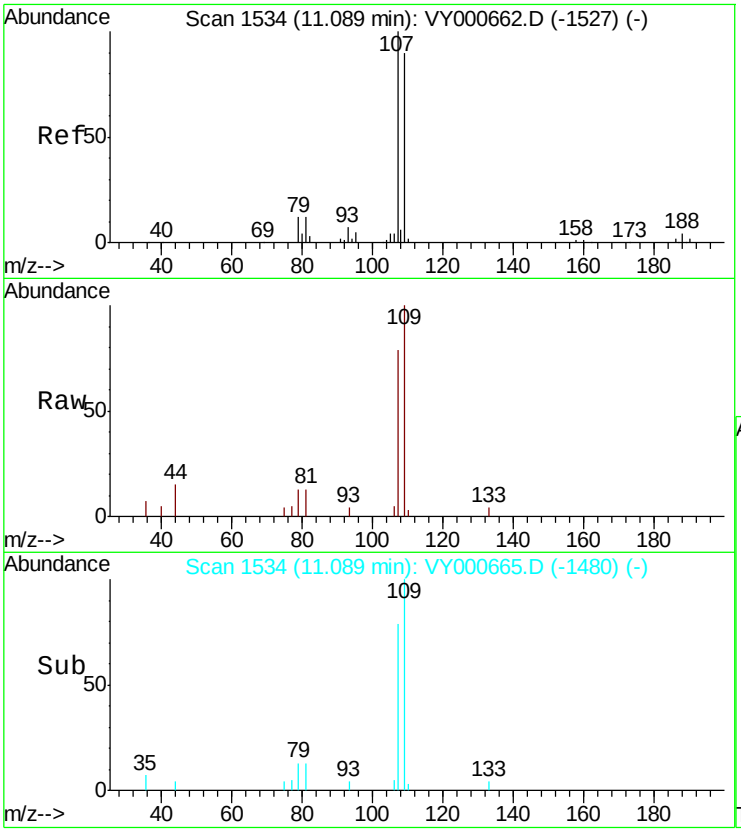


#50
Dibromochloromethane
Concen: 0.583 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:129 Resp: 2820

Ion	Ratio	Lower	Upper
129	100		
127	82.2	57.9	107.5

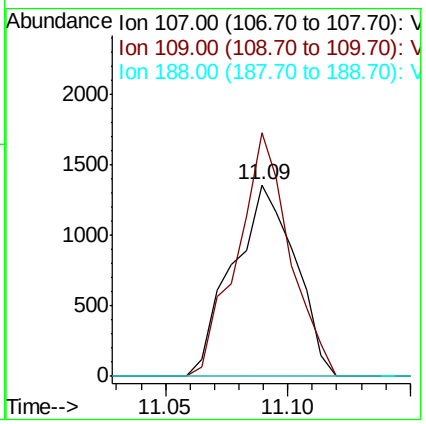




#51
1,2-Dibromoethane
Concen: 0.582 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:107 Resp: 2424

Ion	Ratio	Lower	Upper
107	100		
109	127.0	65.5	121.6#
188	0.0	2.7	4.1#



Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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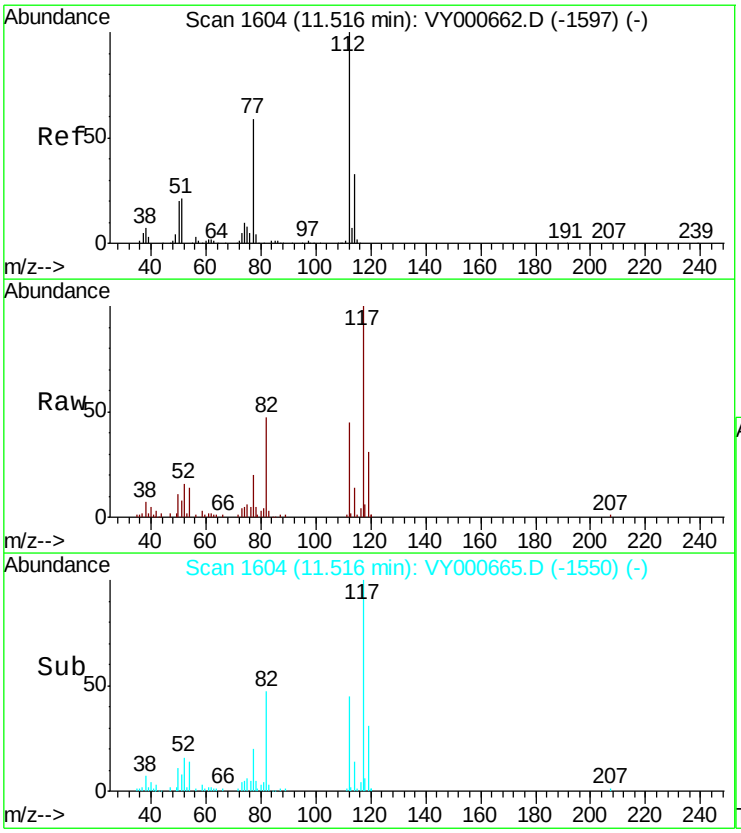
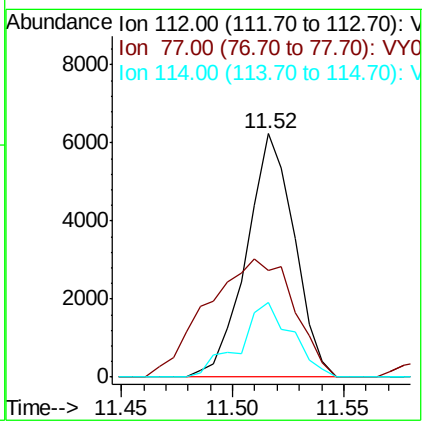
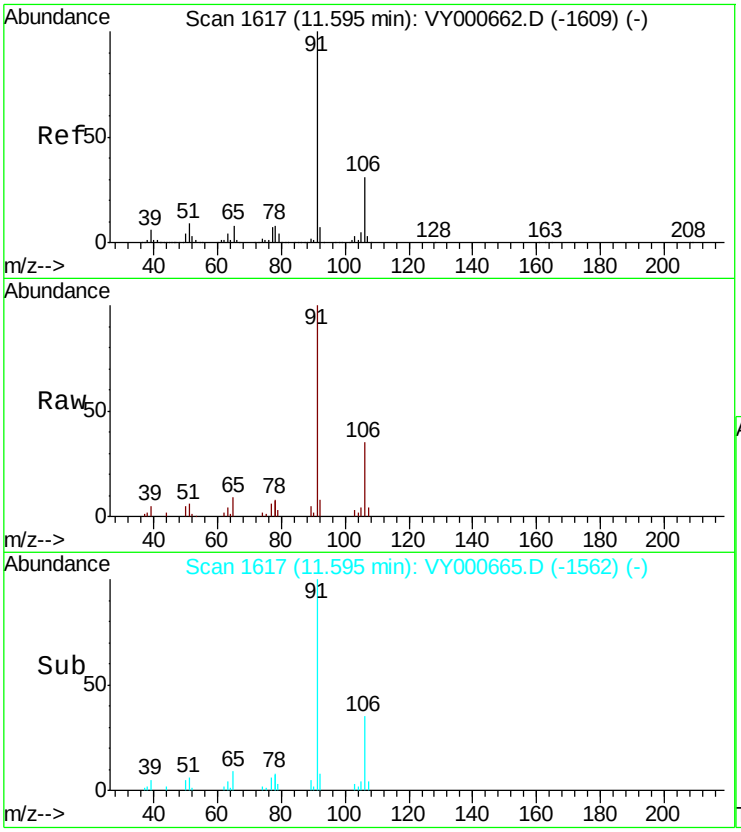


#52
Chlorobenzene
Concen: 0.661 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:112 Resp: 9333

Ion	Ratio	Lower	Upper
112	100		
77	43.6	47.4	71.0#
114	30.7	23.0	42.6





#53
Ethylbenzene
Concen: 0.662 ug/L
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 91 Resp: 16675

Ion	Ratio	Lower	Upper
91	100		
106	34.9	20.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
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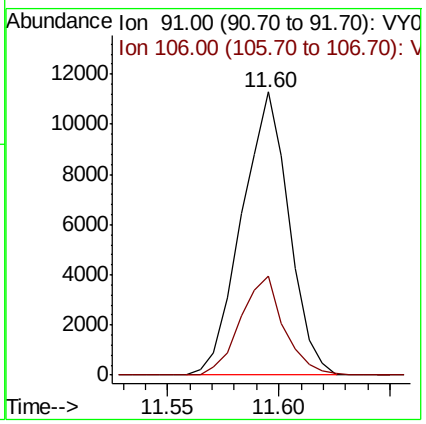
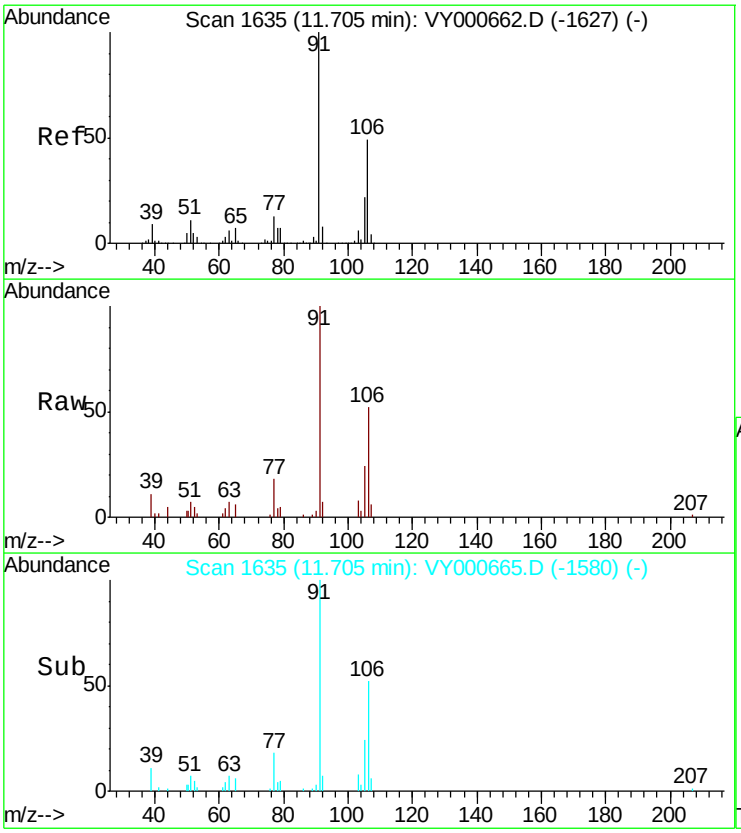
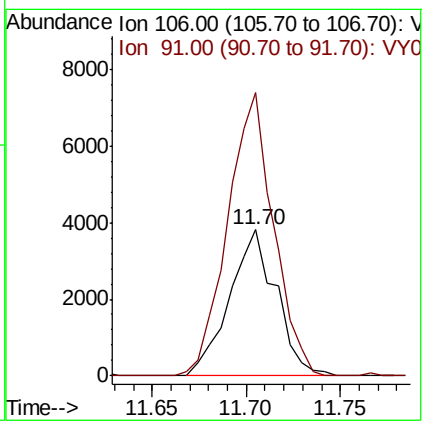


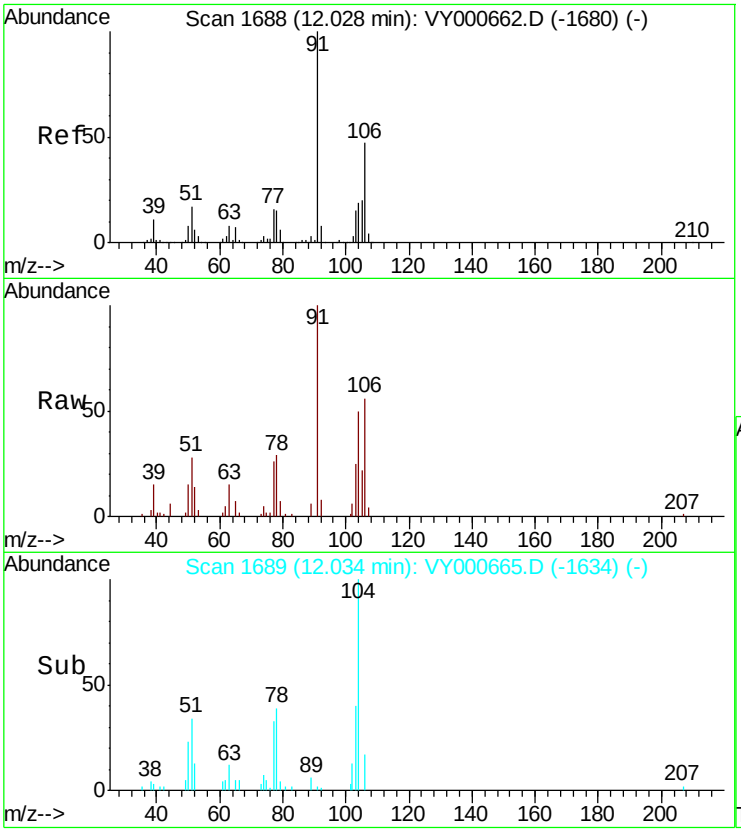


#54
m,p-Xylene
Concen: 0.685 ug/L
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:106 Resp: 6527

Ion	Ratio	Lower	Upper
106	100		
91	193.7	137.4	255.2

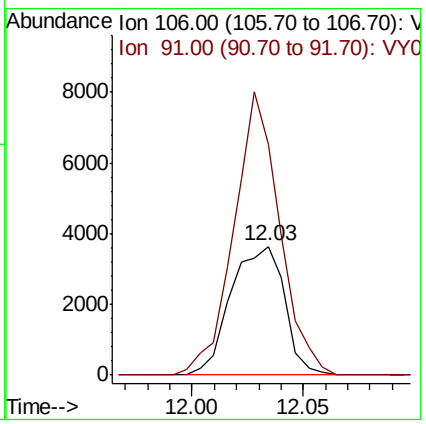




#55
o-xylene
Concen: 0.650 ug/L
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:106 Resp: 6074

Ion	Ratio	Lower	Upper
106	100		
91	178.8	147.8	274.6



Instrument :
MSVOA_Y
ClientSampleId :
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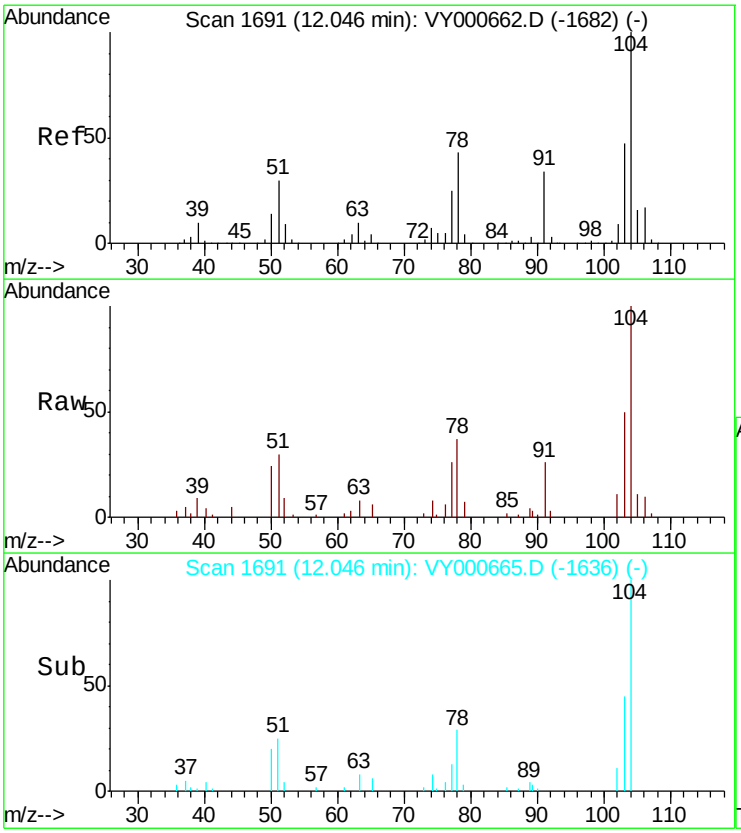
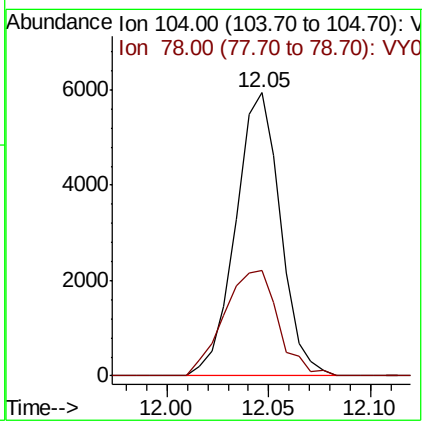
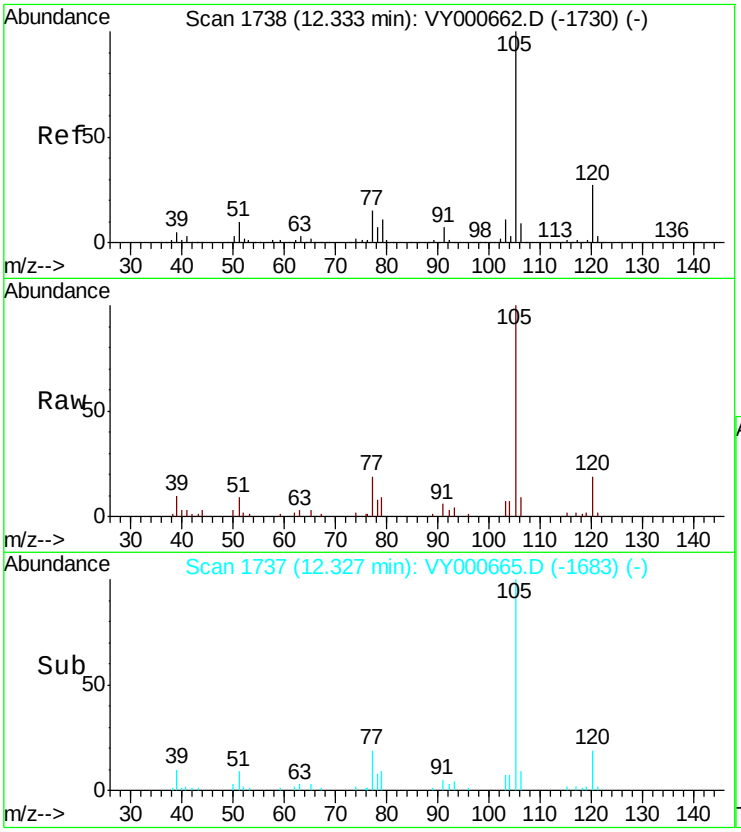


#56
Styrene
Concen: 0.584 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:104 Resp: 9074

Ion	Ratio	Lower	Upper
104	100		
78	37.1	31.5	58.5





#57
Isopropylbenzene
Concen: 0.621 ug/L
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:105 Resp: 15114

Ion	Ratio	Lower	Upper
105	100		
120	27.8	21.5	32.3
77	20.1	12.6	19.0#

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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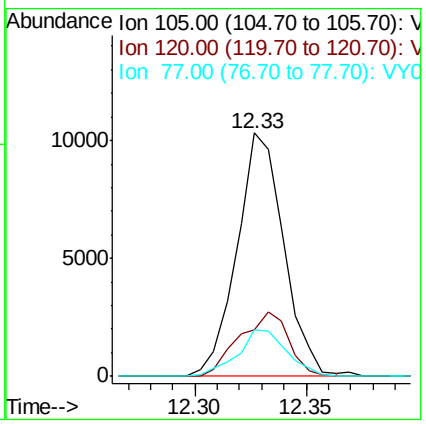
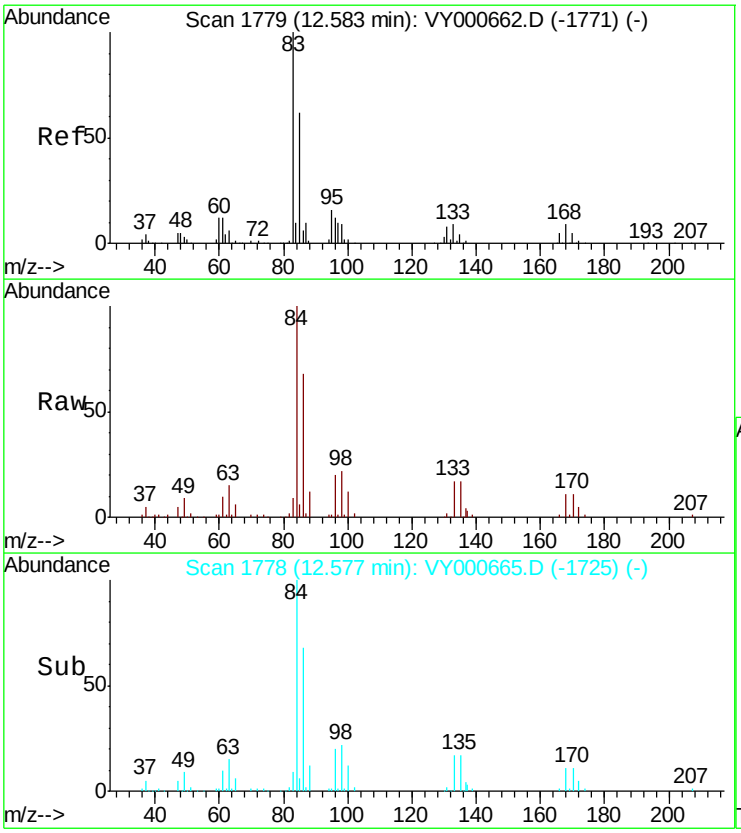
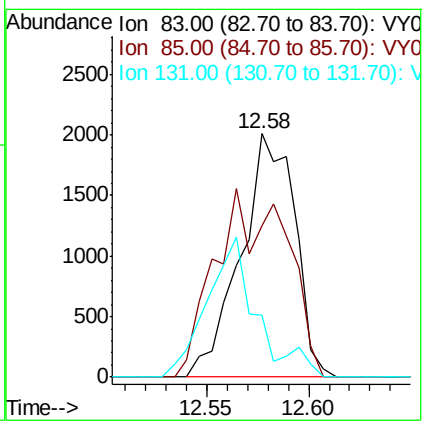


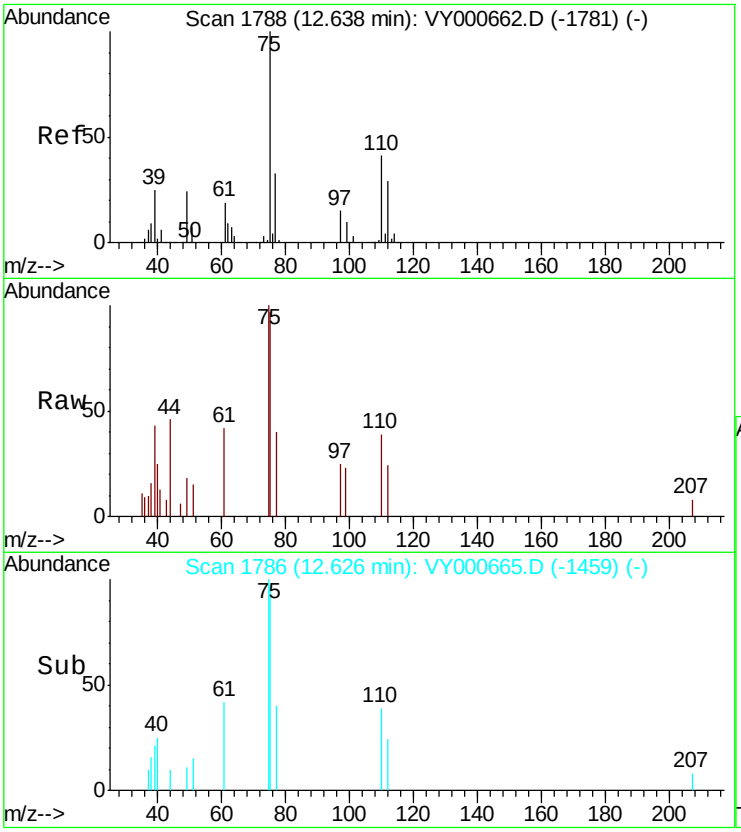


#58
1,1,2,2-Tetrachloroethane
Concen: 0.693 ug/L
RT: 12.58 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 83 Resp: 3697

Ion	Ratio	Lower	Upper
83	100		
85	62.1	45.0	83.6
131	25.2	7.8	11.6#





#59
1,2,3-Trichloropropane
Concen: 0.605 ug/L
RT: 12.63 min Scan# 1786
Delta R.T. -0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 75 Resp: 2626

Ion	Ratio	Lower	Upper
75	100		
77	33.8	26.4	39.6

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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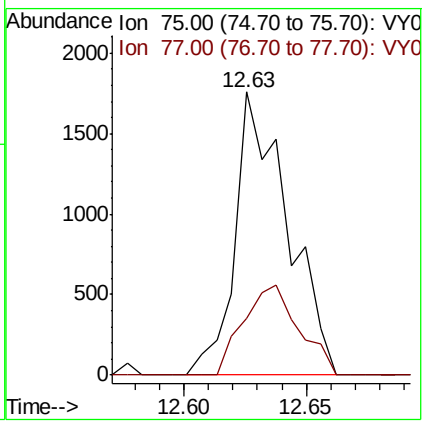
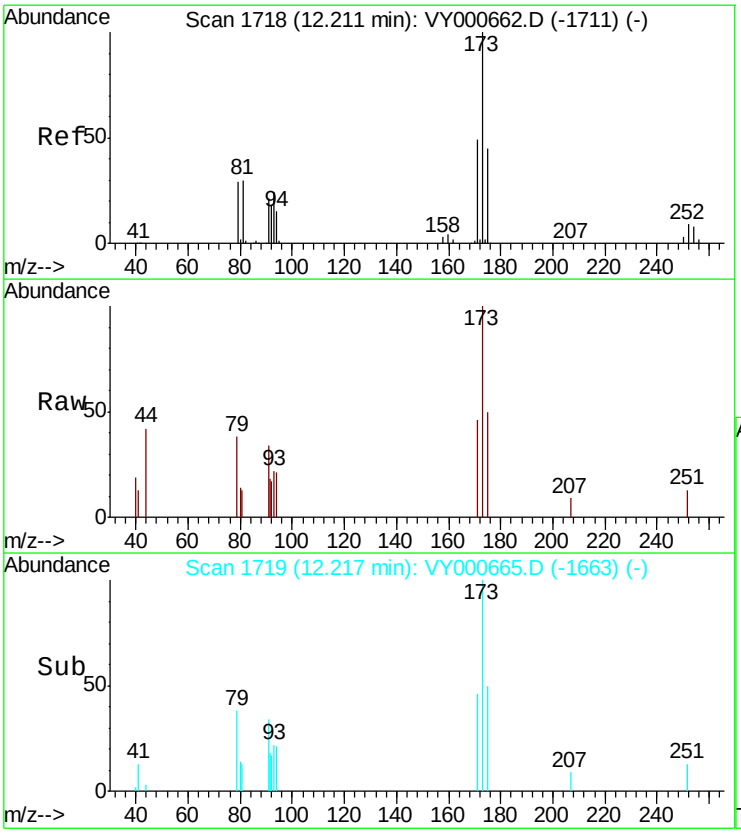
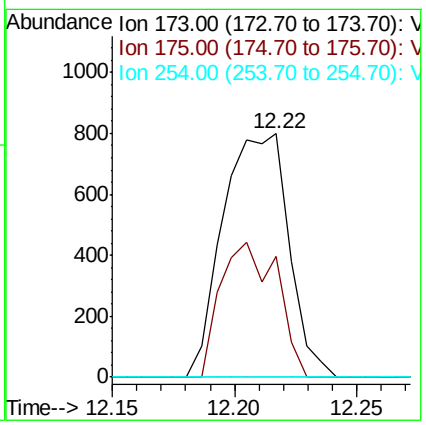


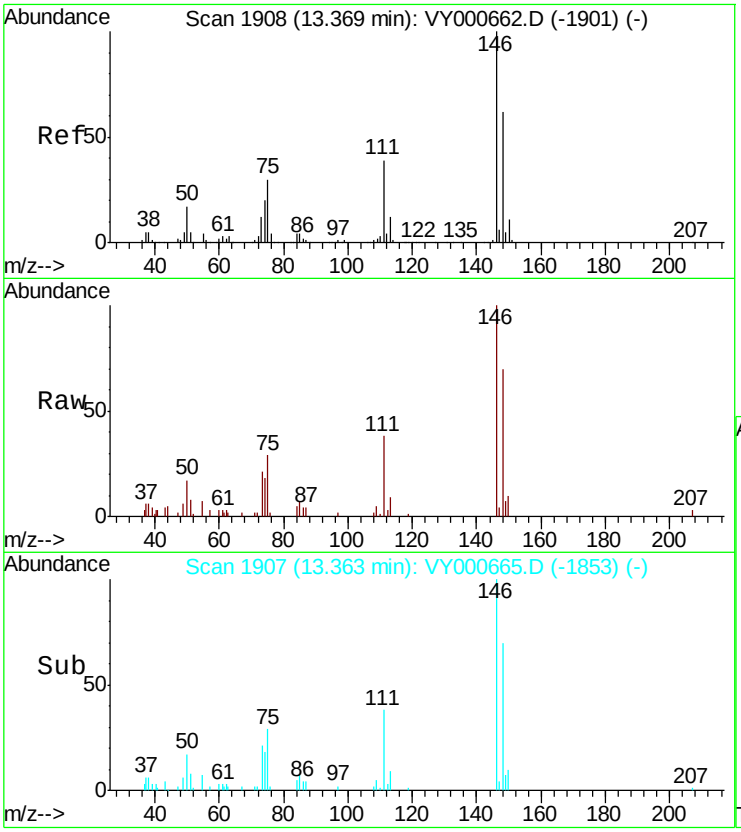


#62
Bromoform
Concen: 0.529 ug/L
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:173 Resp: 1491

Ion	Ratio	Lower	Upper
173	100		
175	47.6	37.8	56.6
254	0.0	7.7	11.5#

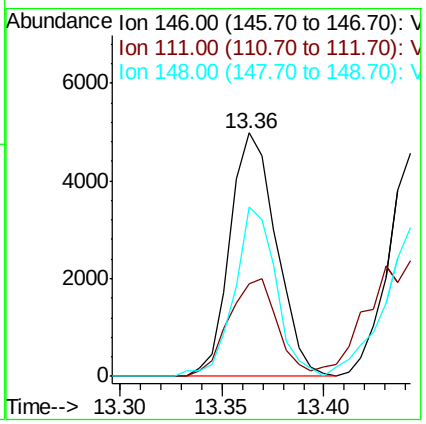




#63
1,3-Dichlorobenzene
Concen: 0.742 ug/L
RT: 13.36 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:146 Resp: 7861

Ion	Ratio	Lower	Upper
146	100		
111	38.1	28.8	53.6
148	69.7	44.3	82.3



Instrument :
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ClientSampleId :
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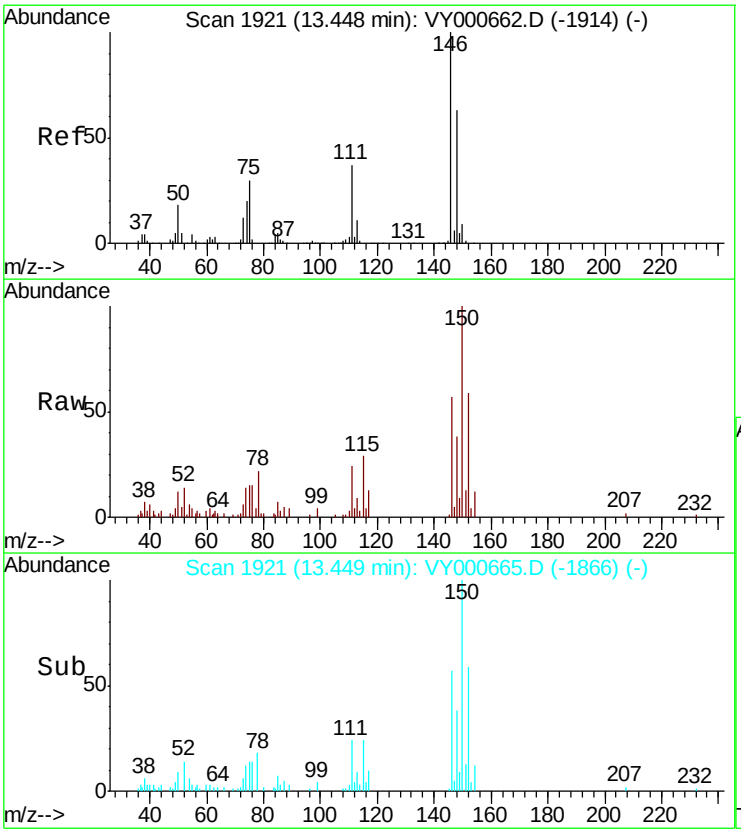
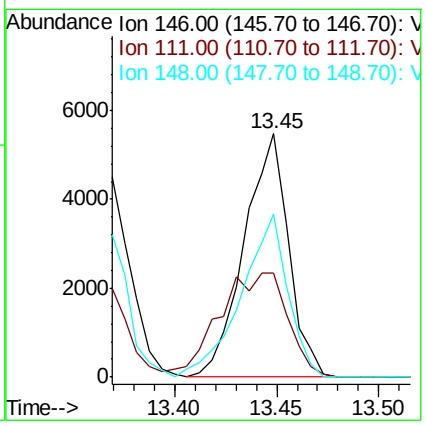
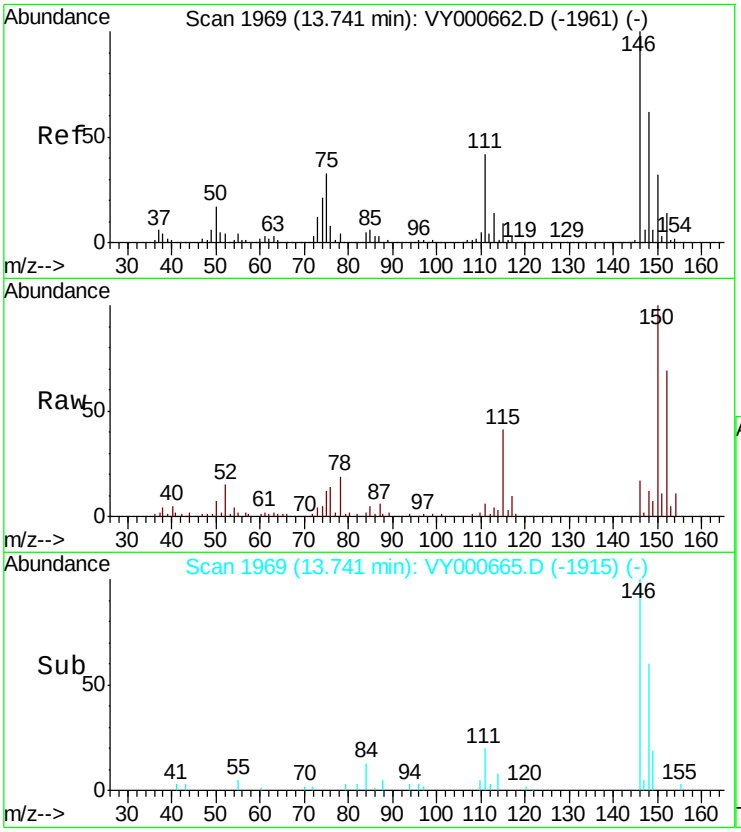


#64
1,4-Dichlorobenzene
Concen: 0.783 ug/L
RT: 13.45 min Scan# 1921
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:146 Resp: 8291

Ion	Ratio	Lower	Upper
146	100		
111	42.7	26.7	49.5
148	66.9	45.2	84.0





#65
1,2-Dichlorobenzene
Concen: 0.684 ug/L
RT: 13.74 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:146 Resp: 6703

Ion	Ratio	Lower	Upper
146	100		
111	32.7	33.8	50.8#
148	66.4	51.0	76.6

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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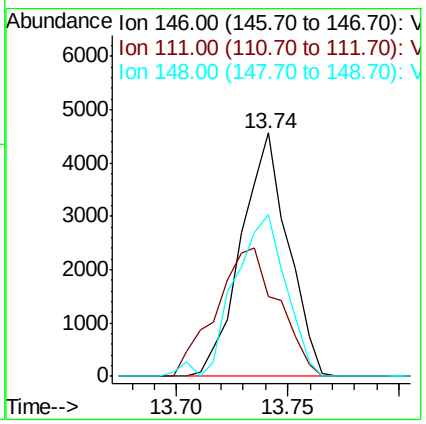
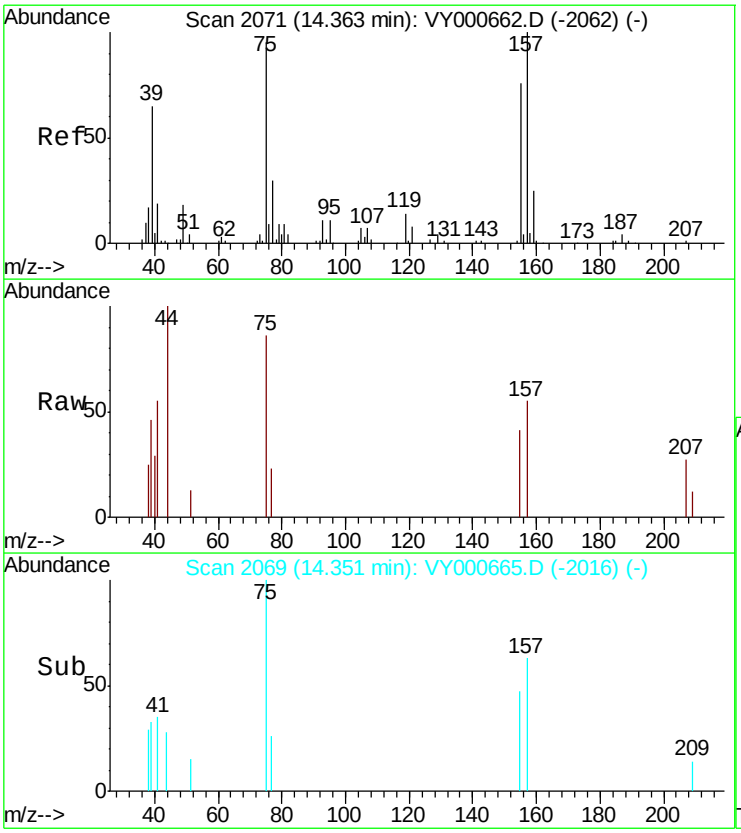
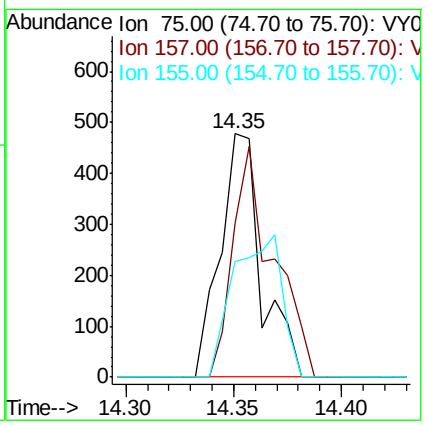


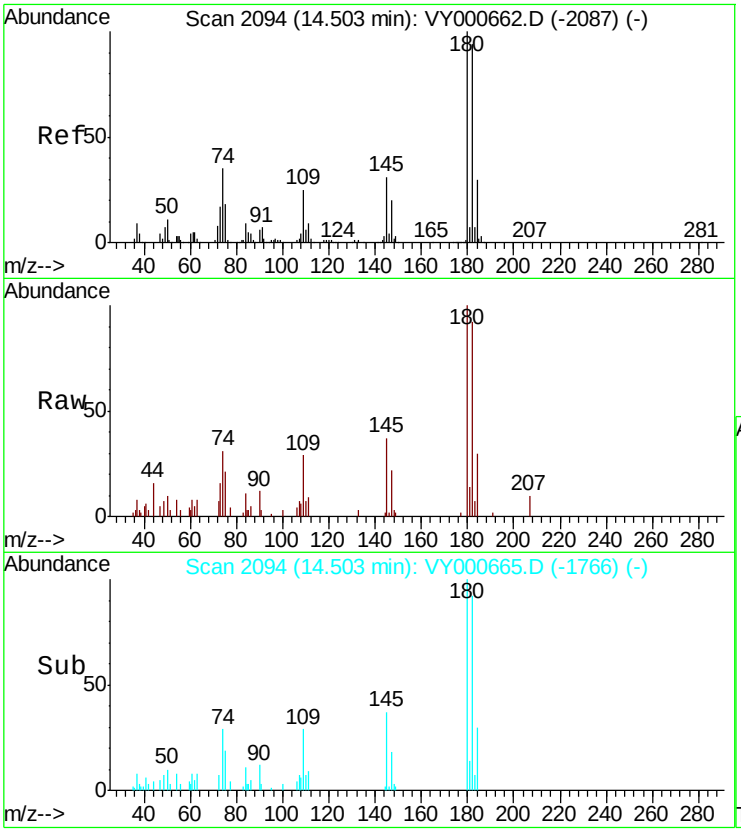


#66
1,2-Dibromo-3-chloropropane
Concen: 0.674 ug/L m
RT: 14.35 min Scan# 2069
Delta R.T. -0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 75 Resp: 628

Ion	Ratio	Lower	Upper
75	100		
157	63.4	78.1	117.1#
155	47.3	64.2	96.4#

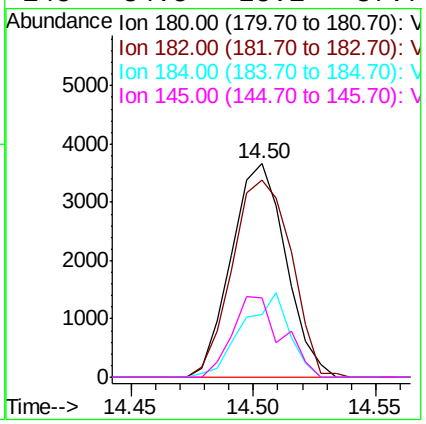




#67
1,3,5-Trichlorobenzene
Concen: 0.772 ug/L
RT: 14.50 min Scan# 2094
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:180 Resp: 5701

Ion	Ratio	Lower	Upper
180	100		
182	100.1	75.6	113.4
184	34.1	24.5	36.7
145	34.5	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
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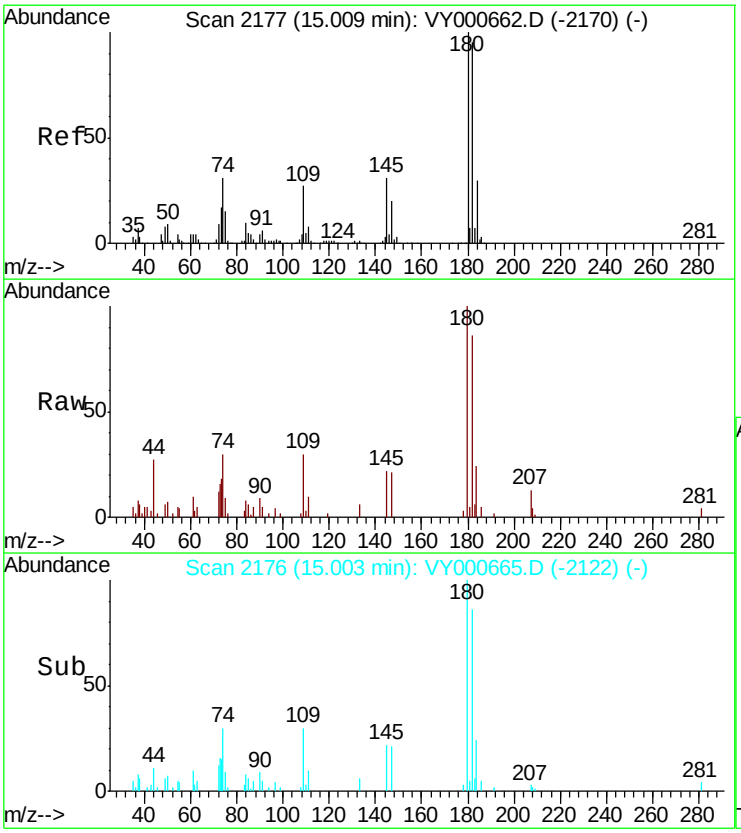
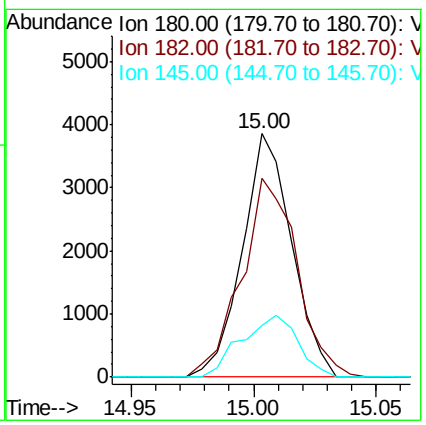
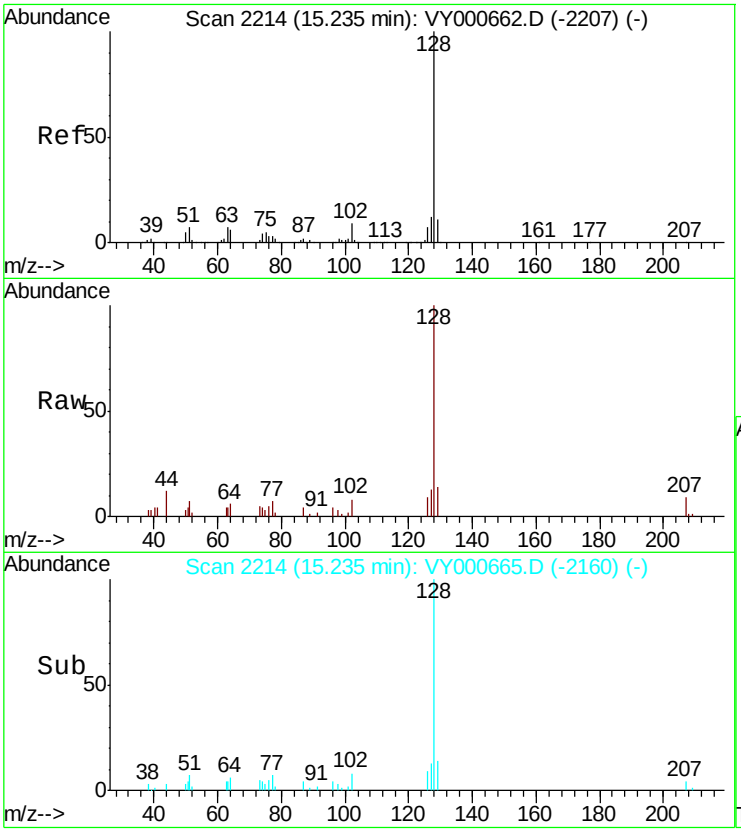


#68
1,2,4-trichlorobenzene
Concen: 0.821 ug/L
RT: 15.00 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:180 Resp: 5416

Ion	Ratio	Lower	Upper
180	100		
182	91.5	77.5	116.3
145	28.9	25.4	38.2





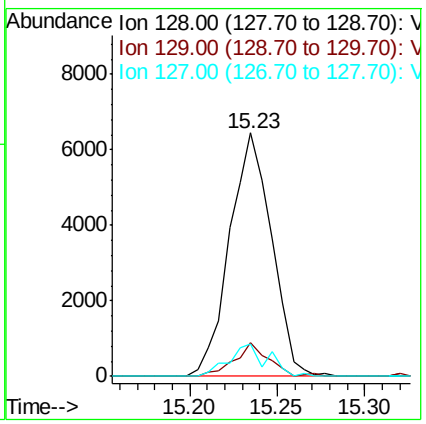
#69
Naphthalene
Concen: 0.654 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

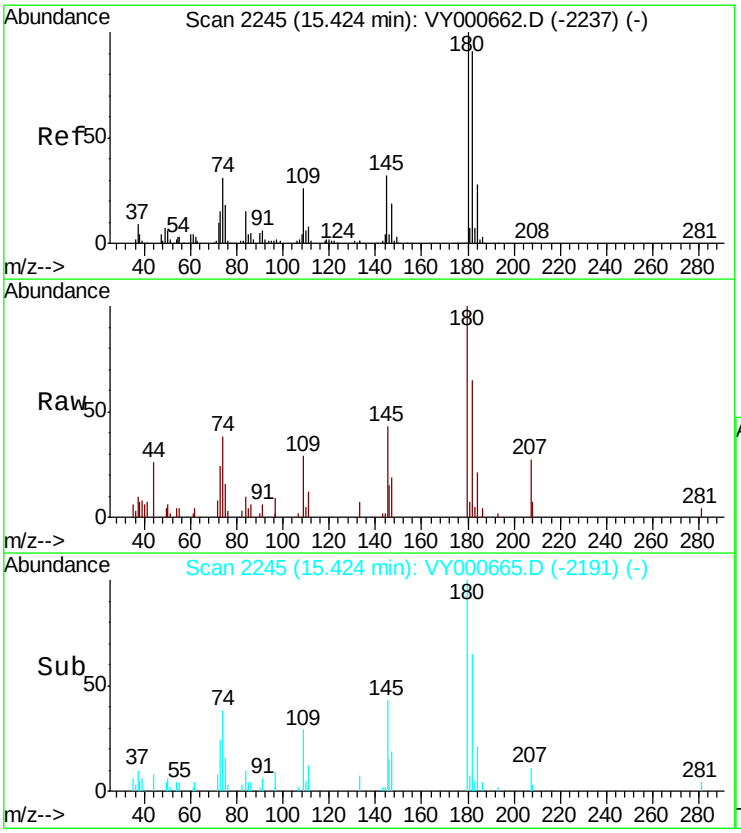
Tgt Ion:128 Resp: 10758

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.4	12.6
127	9.0	9.8	14.6#

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Manual Integrations APPROVED
MMDADODA
11/19/2019 11:58:58 AM





#70
1,2,3-Trichlorobenzene
Concen: 0.723 ug/L
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion:180 Resp: 4433

Ion	Ratio	Lower	Upper
180	100		
182	35.1	76.2	114.4#
145	39.9	26.6	39.8#