Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY010220\
Data File : VY001138.D
Acq On : 02 Jan 2020 16:47
Operator : SY/MD
Sample : K6476-01
Misc : 7.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : WP022SB454_191227-12-14

Manual Integrations APPROVED
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1/3/2020 11:13:30 AM

Quant Time: Jan 02 23:35:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 02 13:16:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.80	168	281064	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.70	114	488381	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.50	117	263947	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	108679	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.15	65	123656	52.84	ug/l		0.00
Spiked Amount 50.000			Recovery = 105.68%				
35) Dibromofluoromethane	7.73	113	146289	52.68	ug/l		0.00
Spiked Amount 50.000			Recovery = 105.36%				
50) Toluene-d8	10.18	98	632062	62.25	ug/l		0.00
Spiked Amount 50.000			Recovery = 124.50%				
62) 4-Bromofluorobenzene	12.48	95	194117	50.27	ug/l		0.00
Spiked Amount 50.000			Recovery = 100.54%				
Target Compounds							Qvalue
4) Vinyl Chloride	2.26	62	7010	4.799	ug/l		90
6) Chloroethane	2.79	64	5715	5.766	ug/l	#	83
9) 1,1,2-Trichlorotrifluoroet	3.91	101	154720	62.603	ug/l		97
16) Acetone	3.96	43	106457	240.702	ug/l		92
17) Carbon Disulfide	4.21	76	6332	4.366	ug/l		100
21) trans-1,2-Dichloroethene	5.23	96	12069	4.122	ug/l		94
24) 1,1-Dichloroethane	6.03	63	61079	15.307	ug/l		93
25) 2-Butanone	6.99	43	46198	62.685	ug/l	#	77
27) cis-1,2-Dichloroethene	6.99	96	6483	1.885	ug/l		89
31) Cyclohexane	7.79	56	1420953	307.113	ug/l	#	83
39) Methylcyclohexane	9.19	83	4044332	685.106	ug/l		95
40) Benzene	8.17	78	4273353	325.762	ug/l		100
44) Trichloroethene	8.95	130	9446	2.407	ug/l		83
52) Toluene	10.24	92	4817508	602.998	ug/l		98
64) Tetrachloroethene	10.72	164	191852	77.463	ug/l		98
65) Chlorobenzene	11.51	112	27402193m	4881.377	ug/l		
67) Ethyl Benzene	11.60	91	2963515	302.985	ug/l		99
68) m/p-Xylenes	11.70	106	3420136	884.362	ug/l		92
69) o-Xylene	12.03	106	1496661	407.613	ug/l		97
73) Isopropylbenzene	12.33	105	1078702	131.624	ug/l		99
78) n-propylbenzene	12.67	91	3155708	325.673	ug/l		99
80) 1,3,5-Trimethylbenzene	12.81	105	3683940	531.356	ug/l		94
83) tert-Butylbenzene	13.08	119	219444	37.147	ug/l		95
84) 1,2,4-Trimethylbenzene	13.12	105	7914543	1140.169	ug/l		95
85) sec-Butylbenzene	13.25	105	978649	118.286	ug/l	#	55
86) p-Isopropyltoluene	13.38	119	617027	82.812	ug/l		92
87) 1,3-Dichlorobenzene	13.37	146	4967023	1339.354	ug/l		97
88) 1,4-Dichlorobenzene	13.45	146	15383747	4120.271	ug/l		89
89) n-Butylbenzene	13.70	91	858649	122.779	ug/l	#	77
91) 1,2-Dichlorobenzene	13.74	146	21655091	6366.900	ug/l		75
93) 1,2,4-Trichlorobenzene	15.01	180	1547526	660.573	ug/l		92
95) Naphthalene	15.23	128	4625097	865.114	ug/l		99

Quantitation Report (QT/LSC Reviewed)

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Operator : SY/MD
Sample : K6476-01
Misc : 7.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations APPROVED
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Quant Time: Jan 02 23:35:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 02 13:16:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY010220\
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Manual Integrations APPROVED
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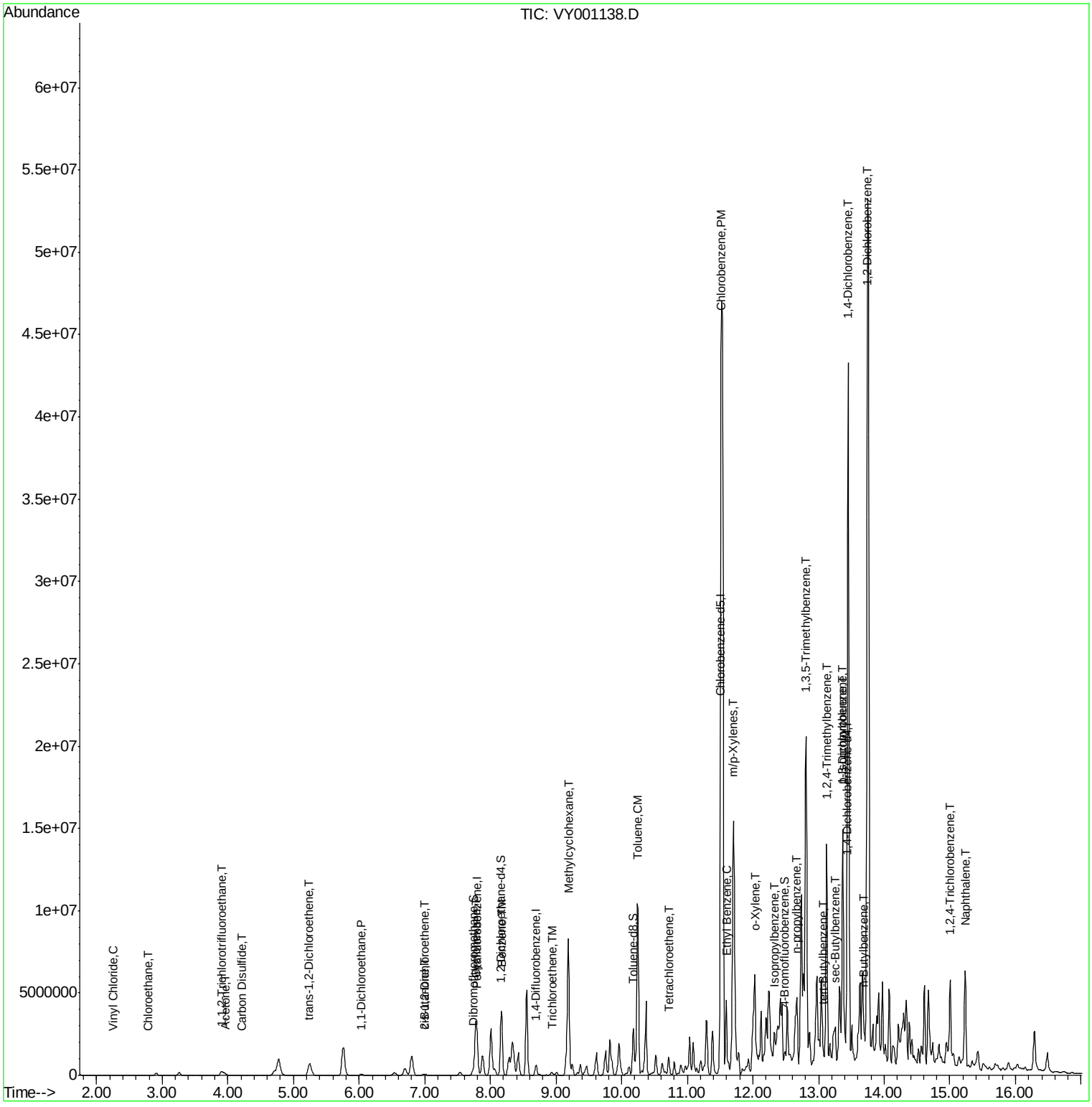

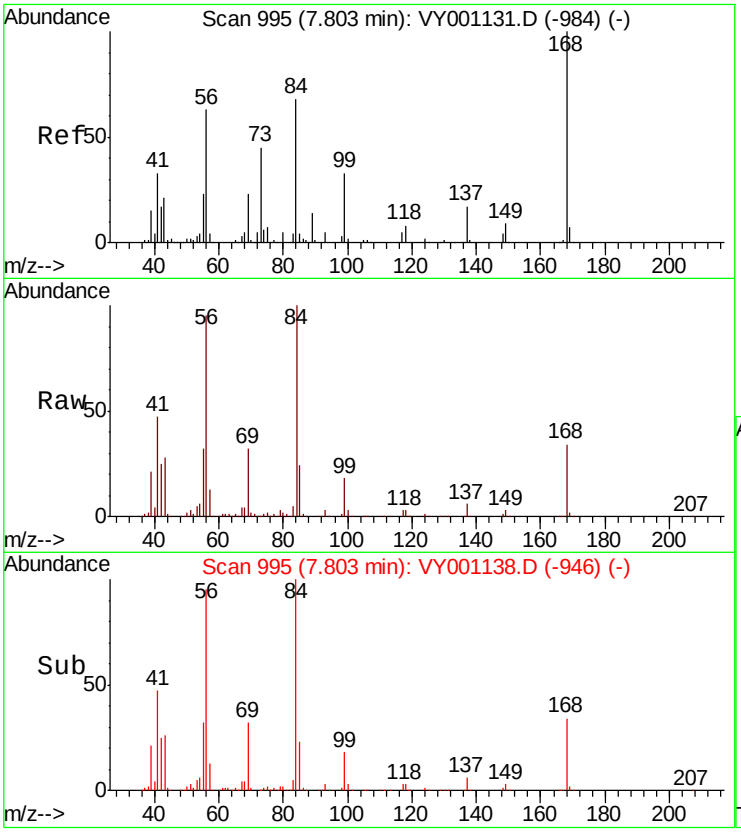

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:168 Resp: 281064

Ion	Ratio	Lower	Upper
168	100		
99	52.5	42.5	63.7

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-12-14

Manual Integrations APPROVED
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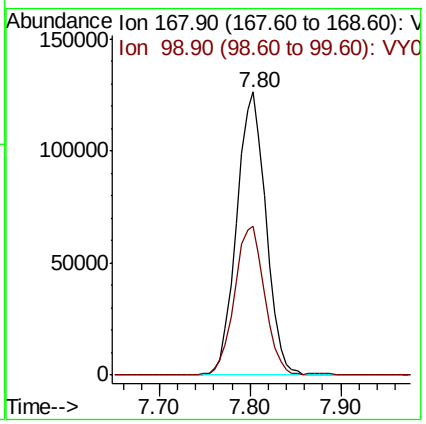
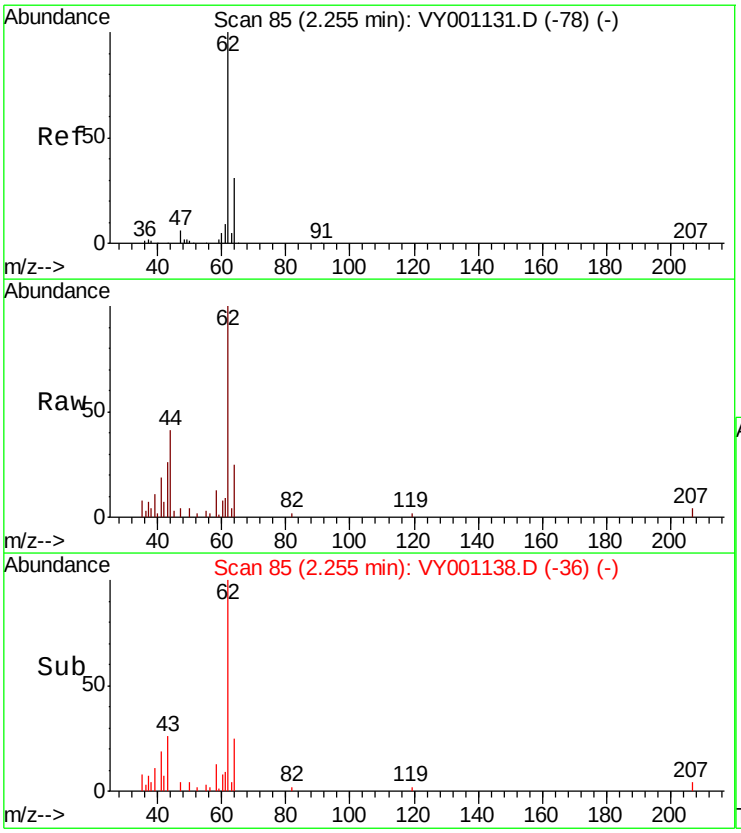
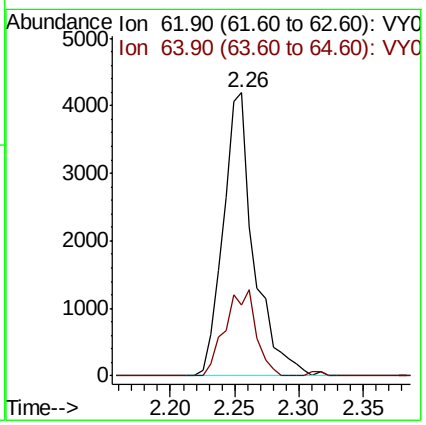


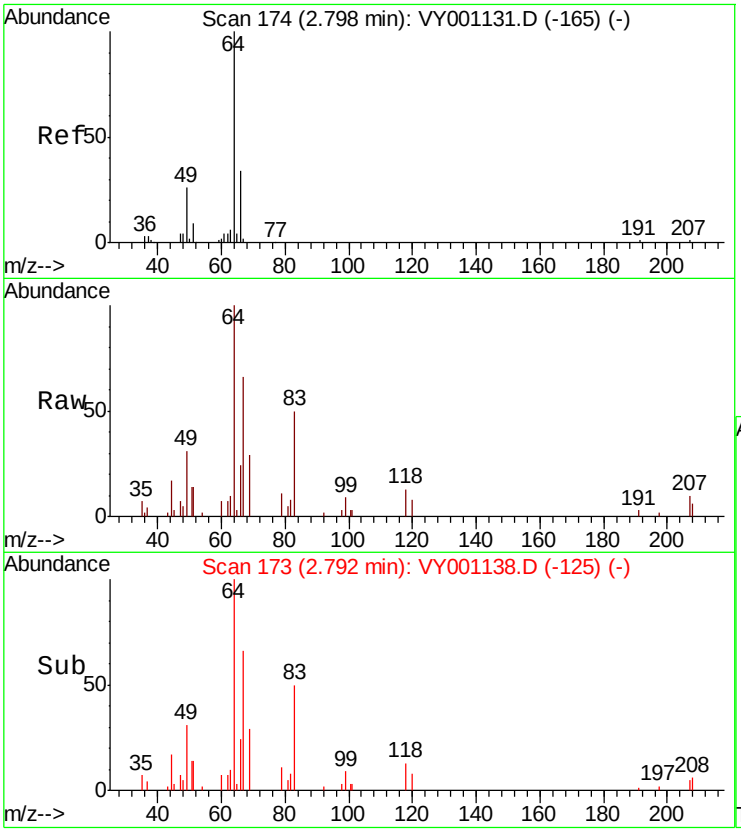


#4
Vinyl Chloride
Concen: 4.799 ug/l
RT: 2.26 min Scan# 85
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 62 Resp: 7010

Ion	Ratio	Lower	Upper
62	100		
64	25.0	24.4	36.6





#6
Chloroethane
Concen: 5.766 ug/l
RT: 2.79 min Scan# 173
Delta R.T. -0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 64 Resp: 5715

Ion	Ratio	Lower	Upper
64	100		
66	24.5	27.4	41.0#

Instrument :
MSVOA_Y
ClientSampleId :
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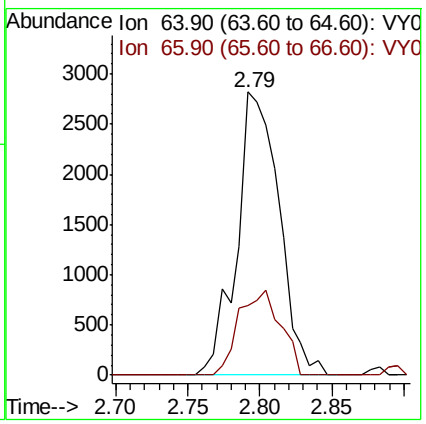
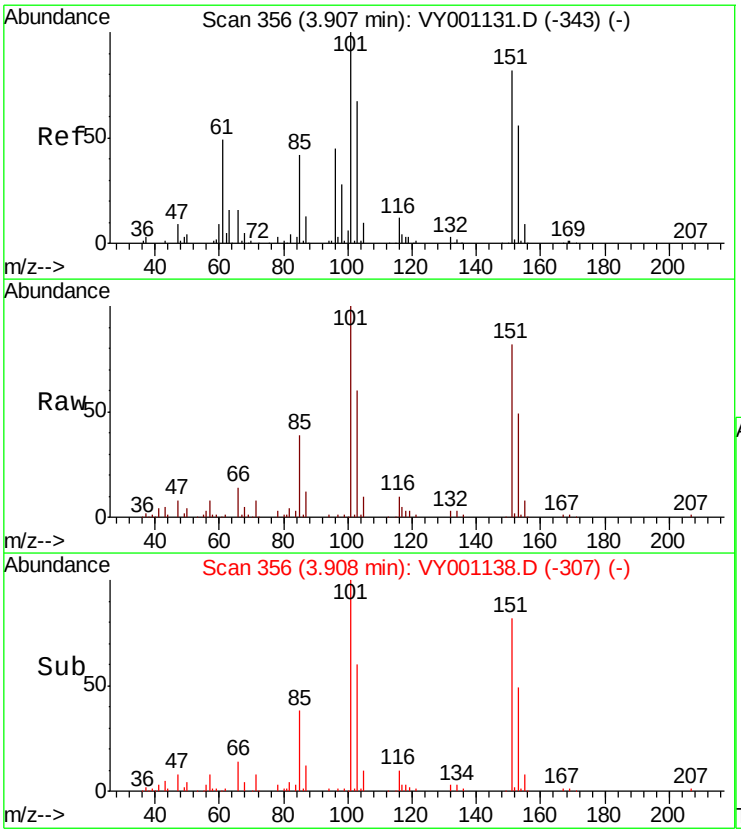
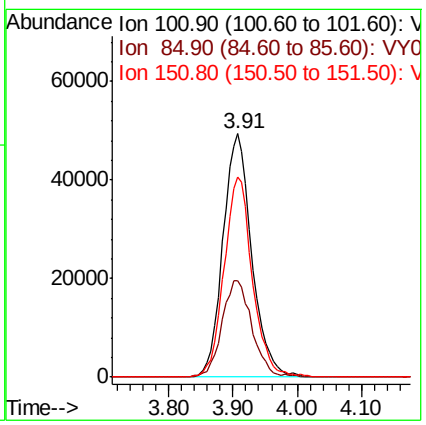


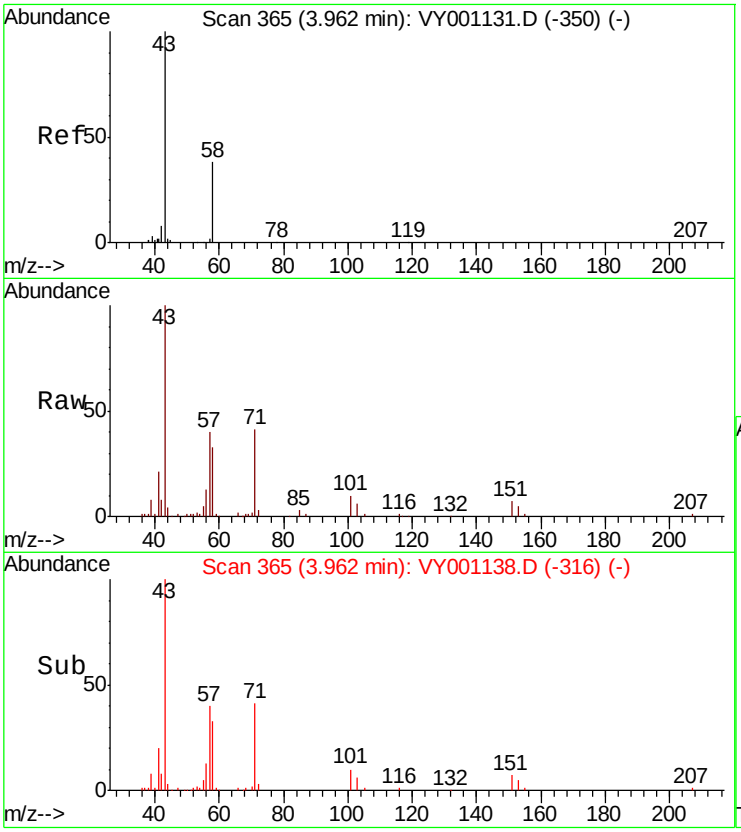


#9
1,1,2-Trichlorotrifluoroethane
Concen: 62.603 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:101 Resp: 154720

Ion	Ratio	Lower	Upper
101	100		
85	41.2	32.8	49.2
151	81.0	67.4	101.0

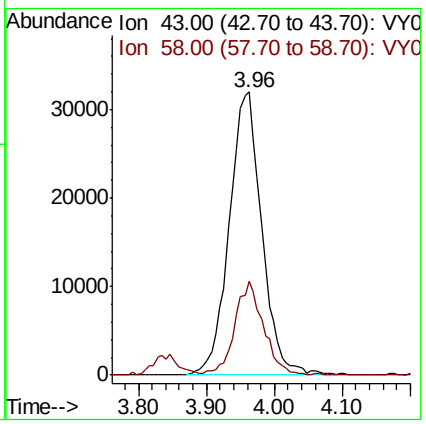




#16
Acetone
Concen: 240.702 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 43 Resp: 106457

Ion	Ratio	Lower	Upper
43	100		
58	33.2	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
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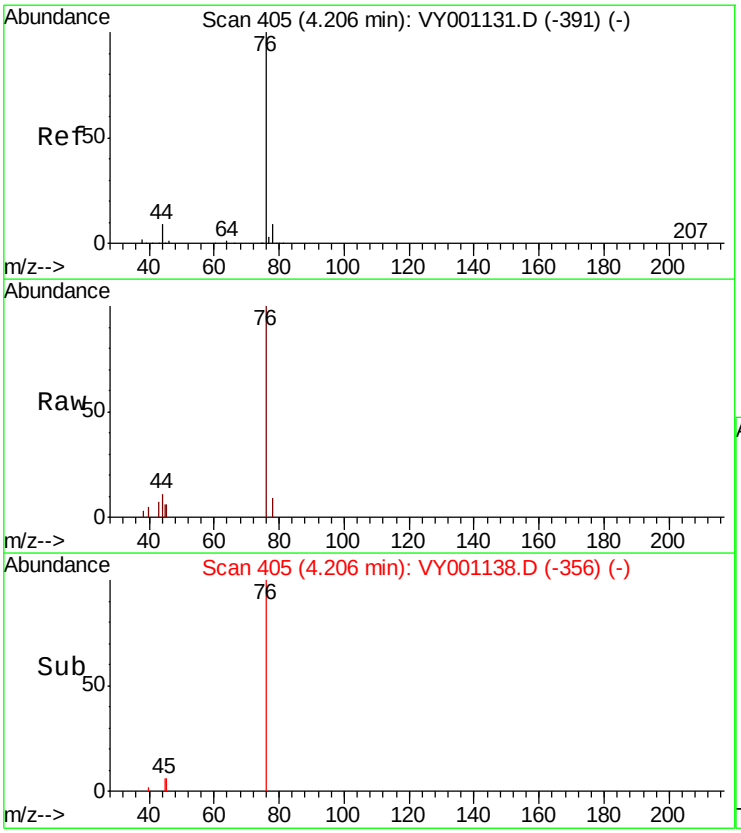
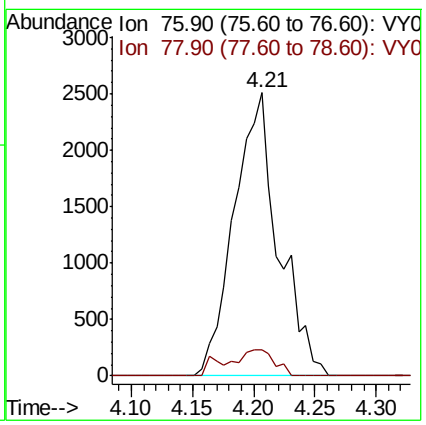
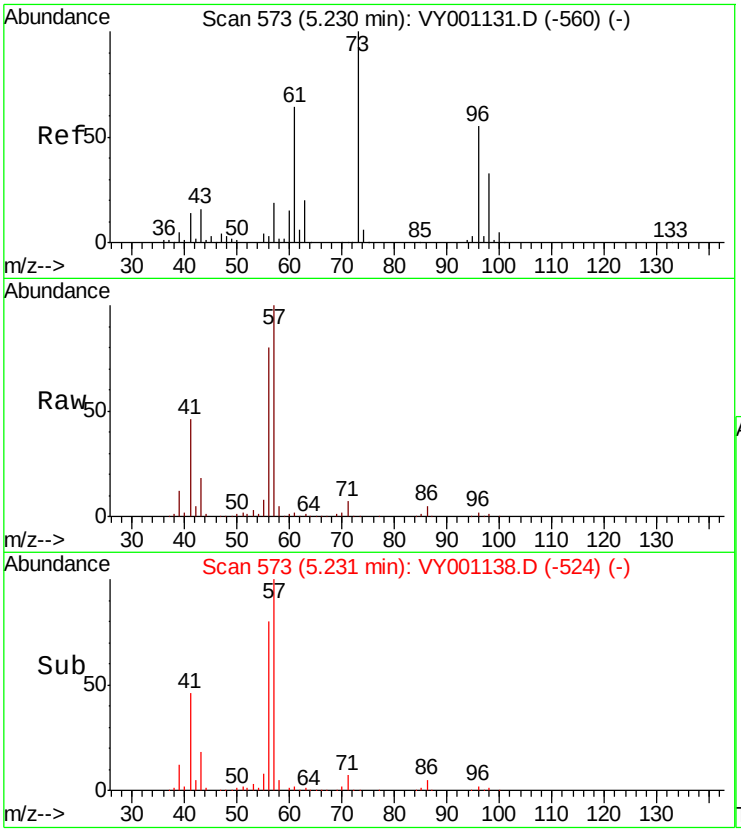


#17
Carbon Disulfide
Concen: 4.366 ug/l
RT: 4.21 min Scan# 405
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 76 Resp: 6332

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

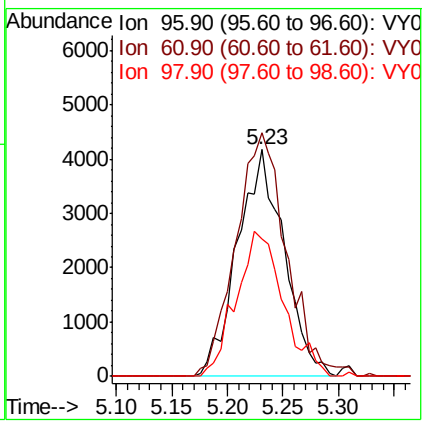




#21
trans-1,2-Dichloroethene
Concen: 4.122 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 96 Resp: 12069

Ion	Ratio	Lower	Upper
96	100		
61	107.4	93.2	139.8
98	60.8	48.8	73.2



Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-12-14

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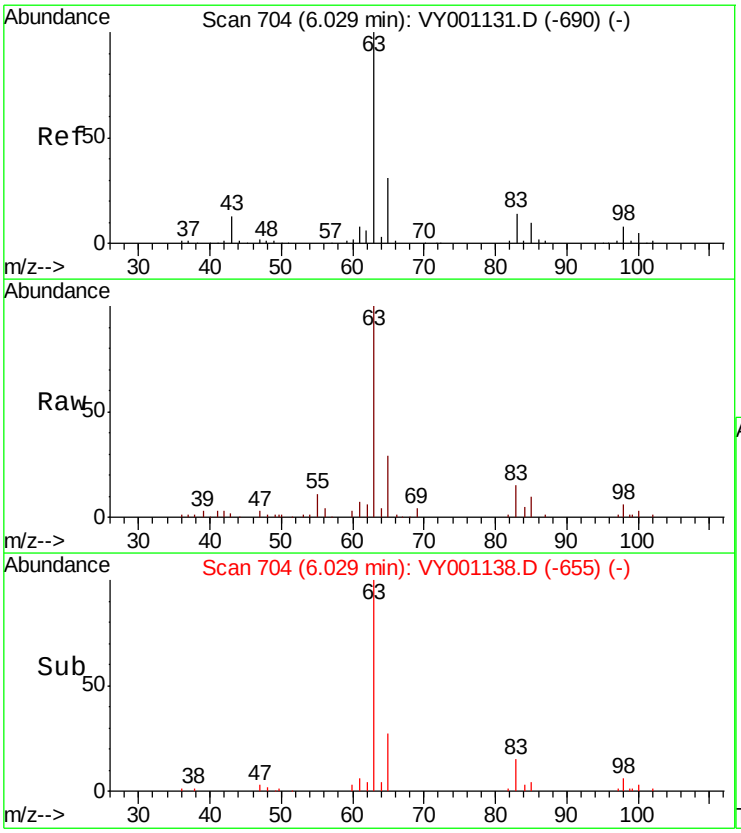
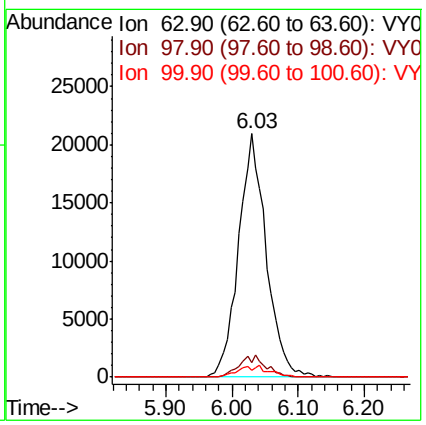
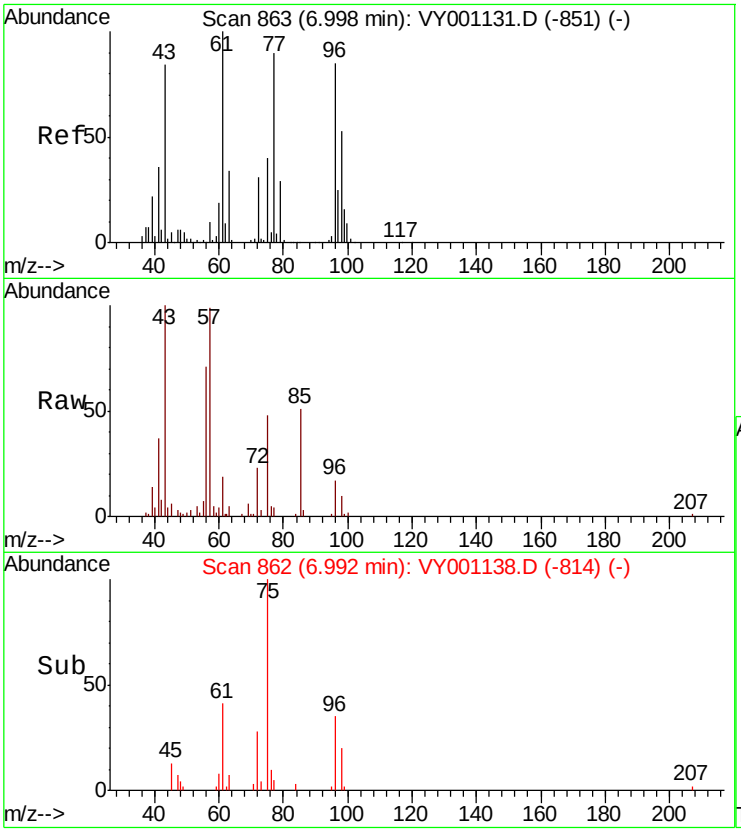


#24
1,1-Dichloroethane
Concen: 15.307 ug/l
RT: 6.03 min Scan# 704
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 63 Resp: 61079

Ion	Ratio	Lower	Upper
63	100		
98	5.7	4.1	12.3
100	3.0	2.5	7.6





#25
2-Butanone
Concen: 62.685 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 43 Resp: 46198

Ion	Ratio	Lower	Upper
43	100		
72	23.1	29.5	44.3#

Instrument :
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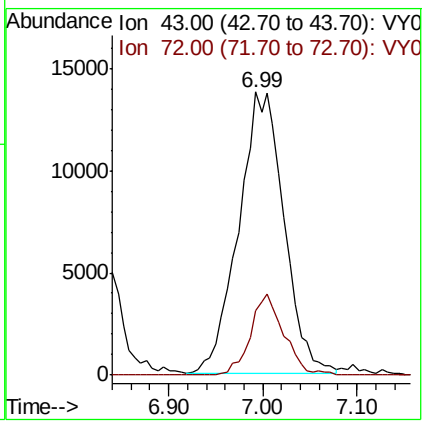
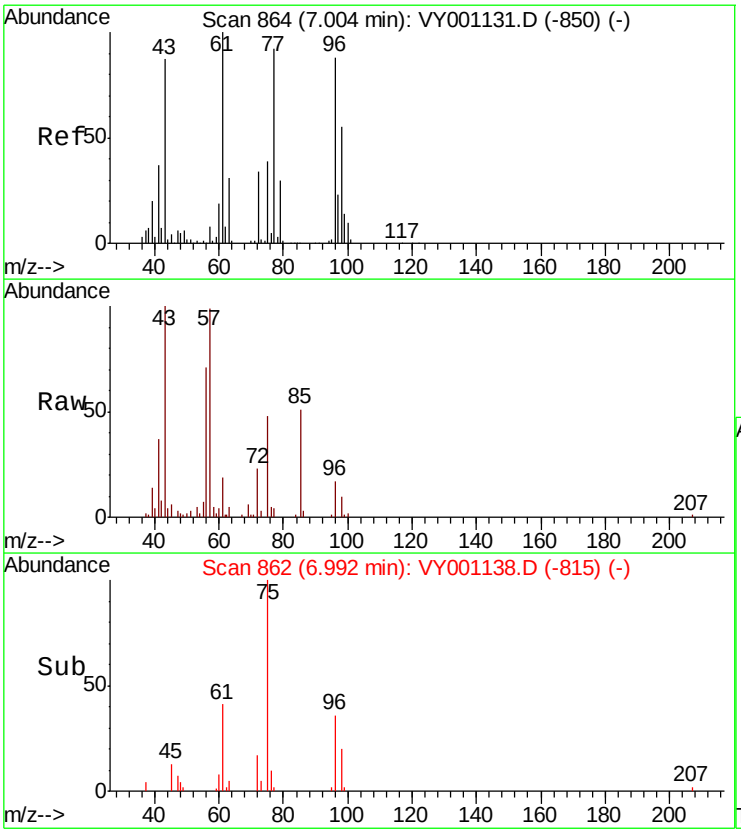
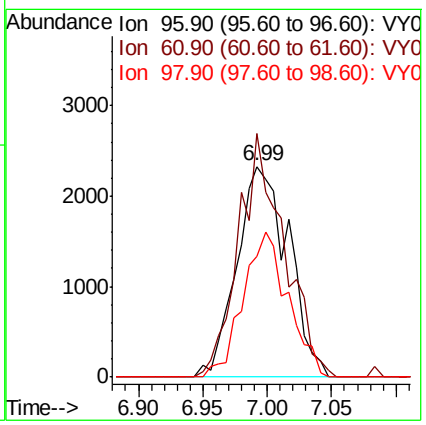


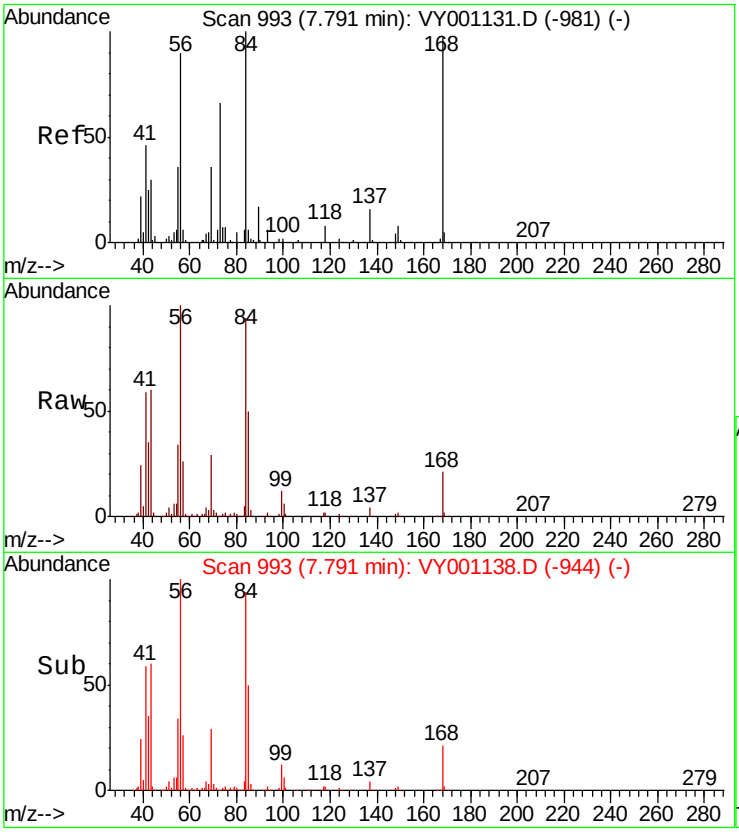


#27
cis-1,2-Dichloroethene
Concen: 1.885 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 96 Resp: 6483

Ion	Ratio	Lower	Upper
96	100		
61	101.7	0.0	235.0
98	59.7	0.0	127.4

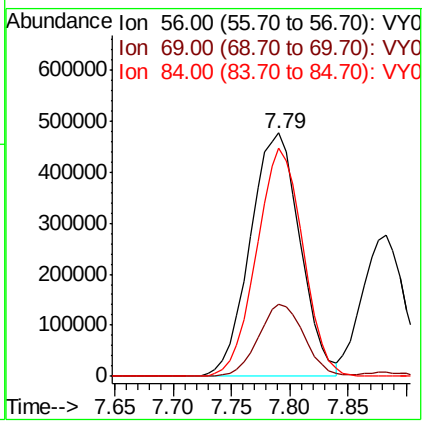




#31
Cyclohexane
Concen: 307.113 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 56 Resp: 1420953

Ion	Ratio	Lower	Upper
56	100		
69	29.2	32.0	48.0#
84	93.7	89.1	133.7



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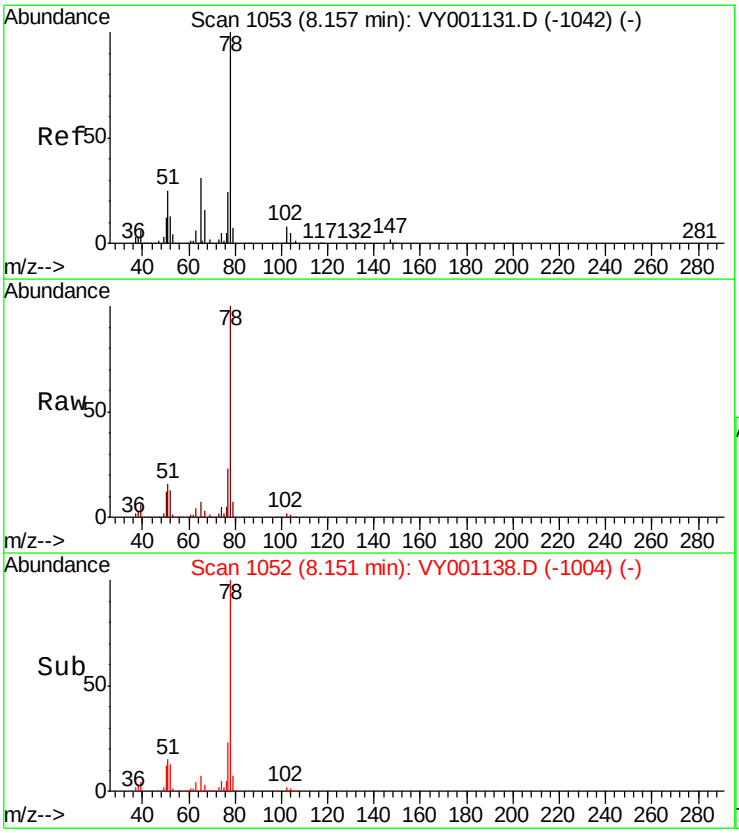
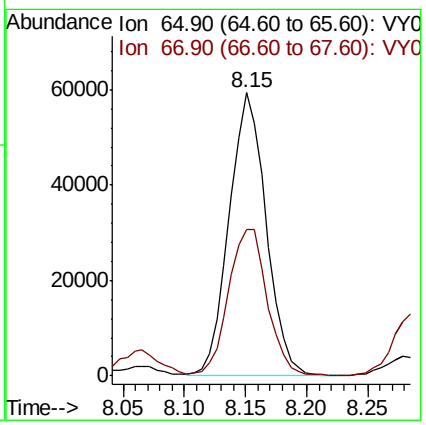
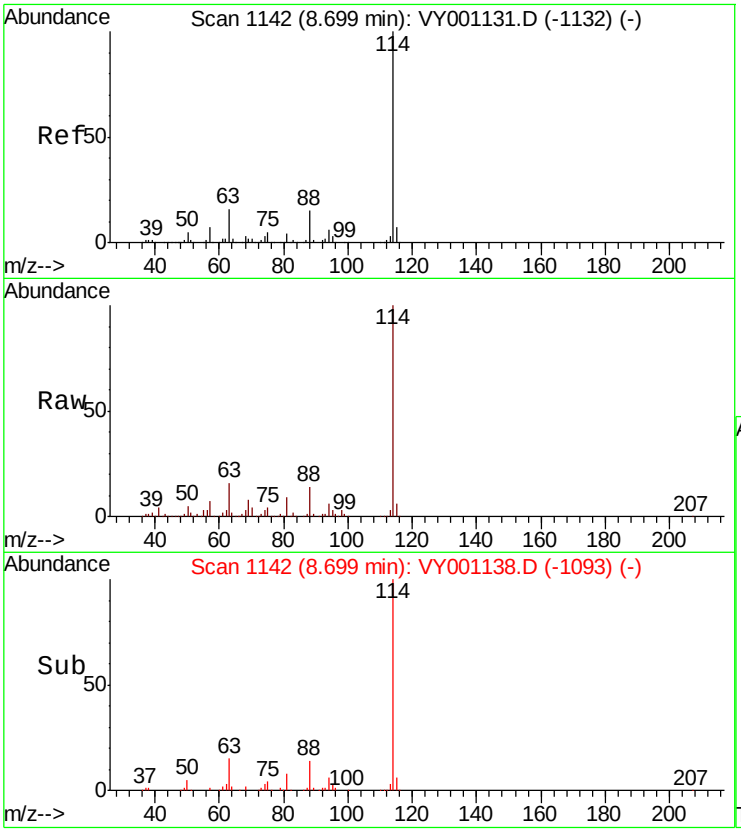


#33
1,2-Dichloroethane-d4
Concen: 52.843 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 65 Resp: 123656

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	110.6

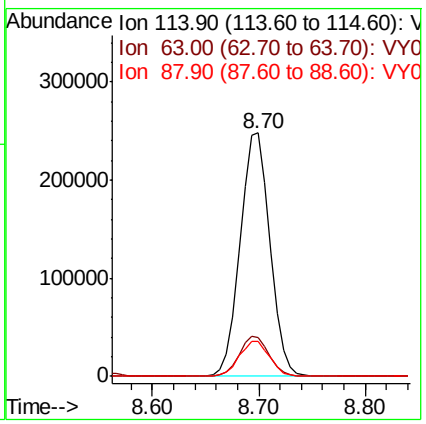




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:114 Resp: 488381

Ion	Ratio	Lower	Upper
114	100		
63	16.0	0.0	33.0
88	14.3	0.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-12-14

Manual Integrations APPROVED
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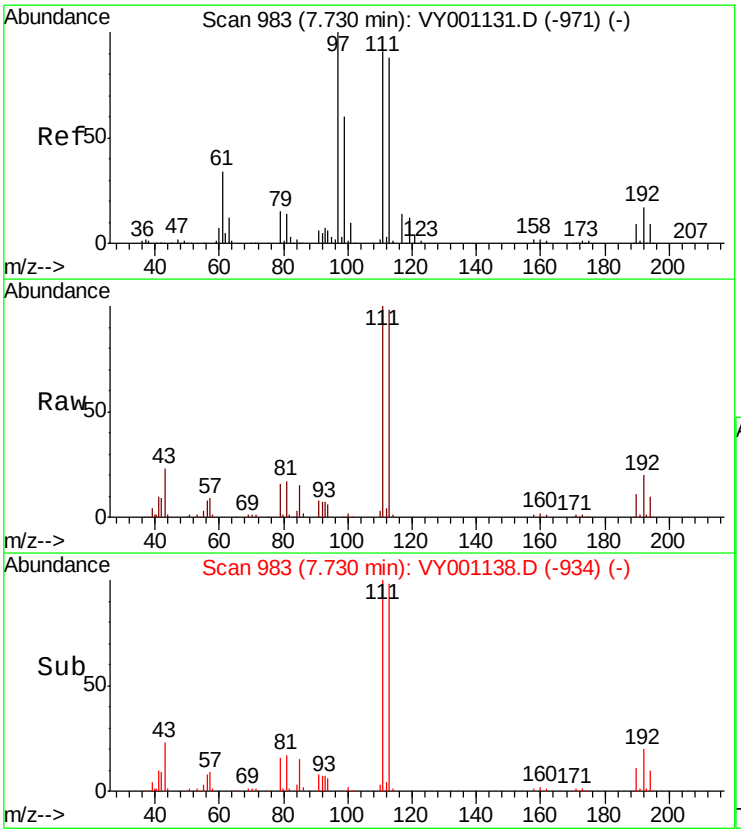
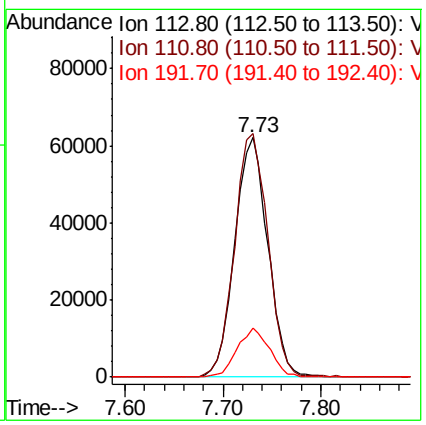
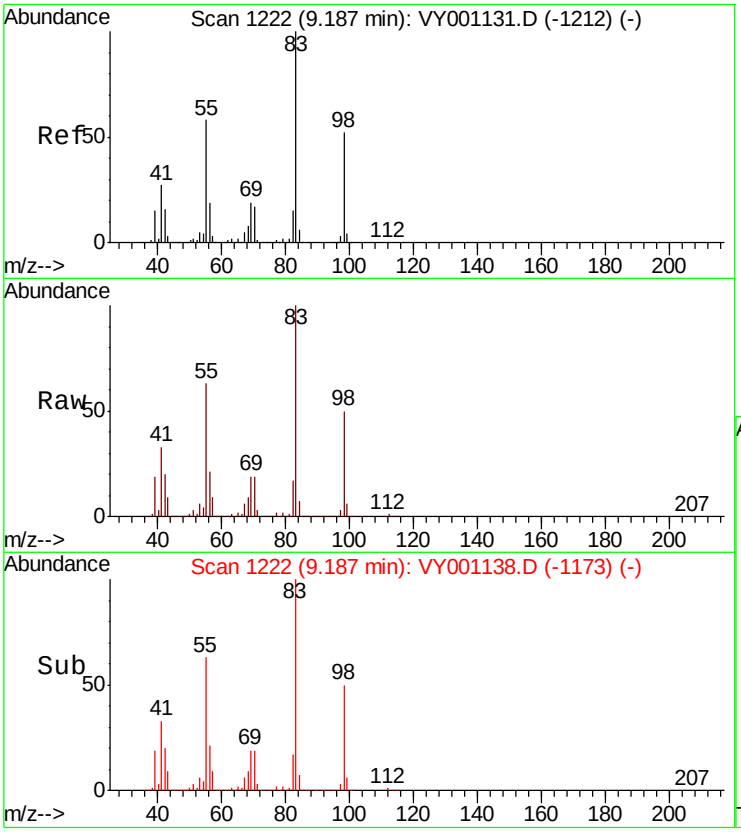


#35
Dibromofluoromethane
Concen: 52.675 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:113 Resp: 146289

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.4
192	20.0	16.4	24.6

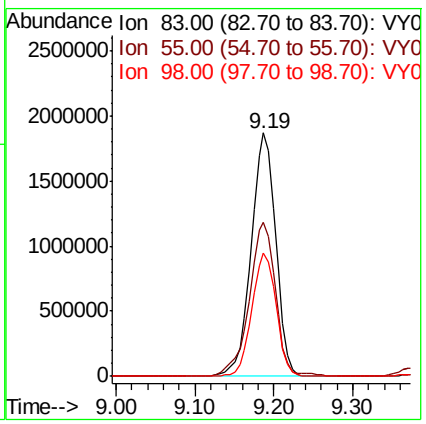




#39
Methylcyclohexane
Concen: 685.106 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 83 Resp: 4044332

Ion	Ratio	Lower	Upper
83	100		
55	63.5	46.4	69.6
98	50.4	41.5	62.3



Instrument :
MSVOA_Y
ClientSampleId :
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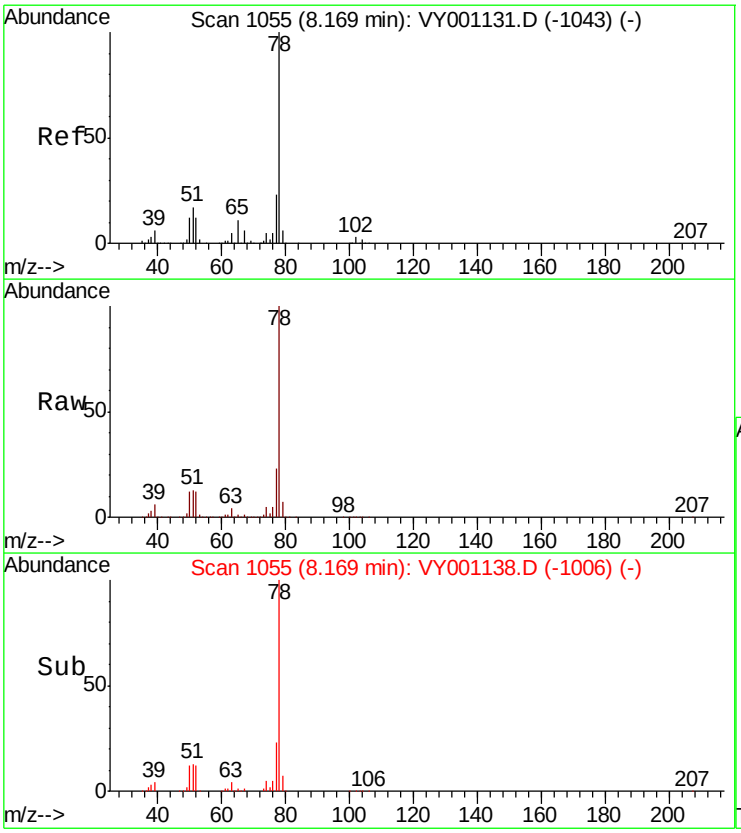
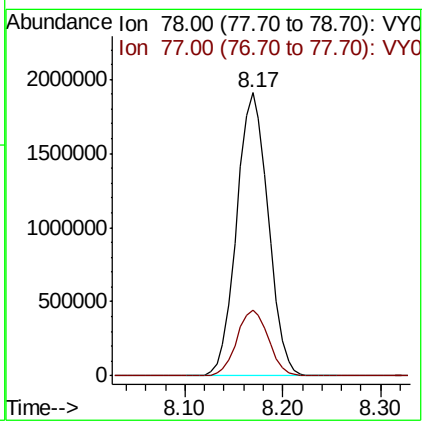
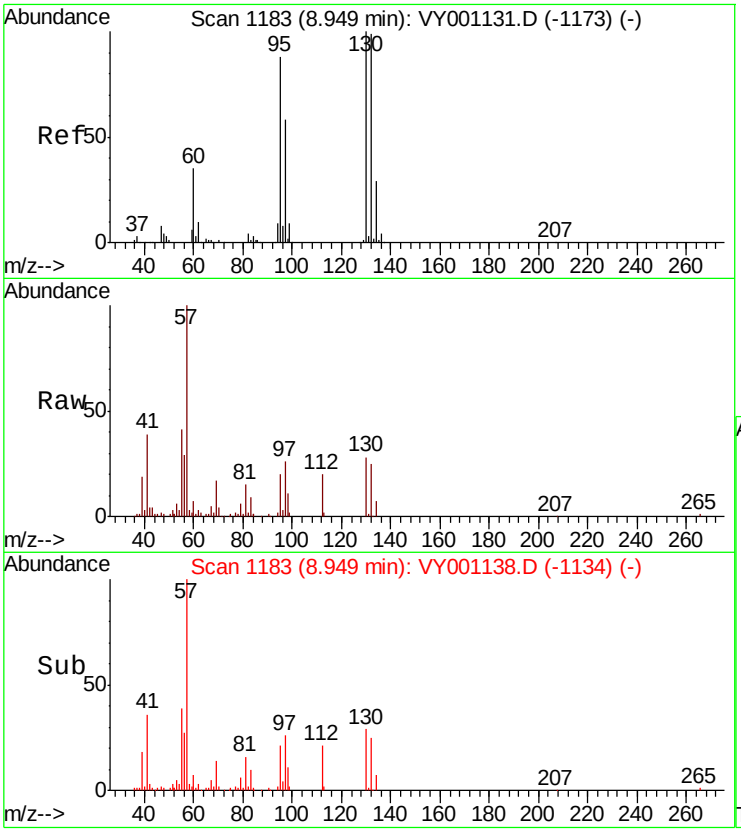


#40
Benzene
Concen: 325.762 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 78 Resp: 4273353

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





#44
Trichloroethene
Concen: 2.407 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:130 Resp: 9446

Ion	Ratio	Lower	Upper
130	100		
95	72.6	0.0	176.8

Instrument :
MSVOA_Y
ClientSampleId :
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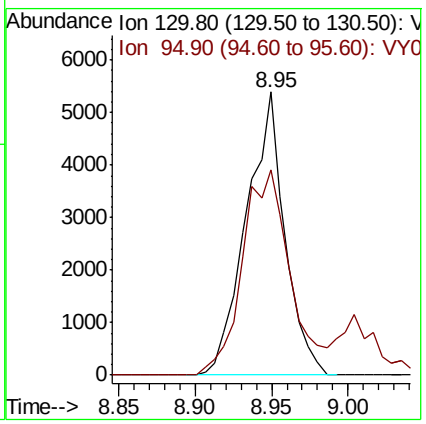
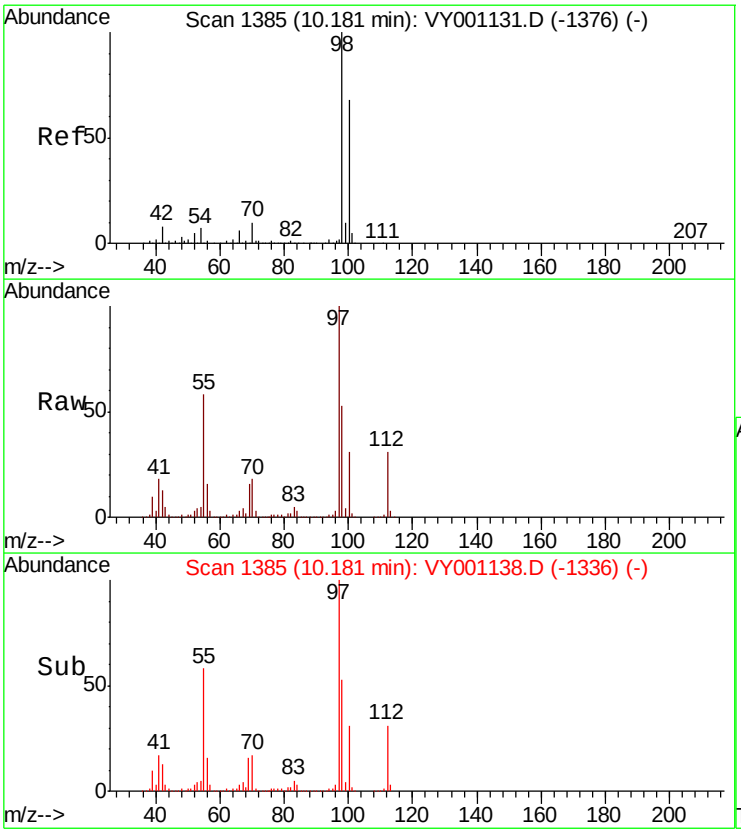
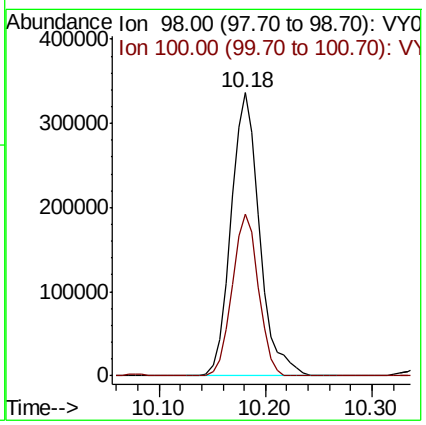


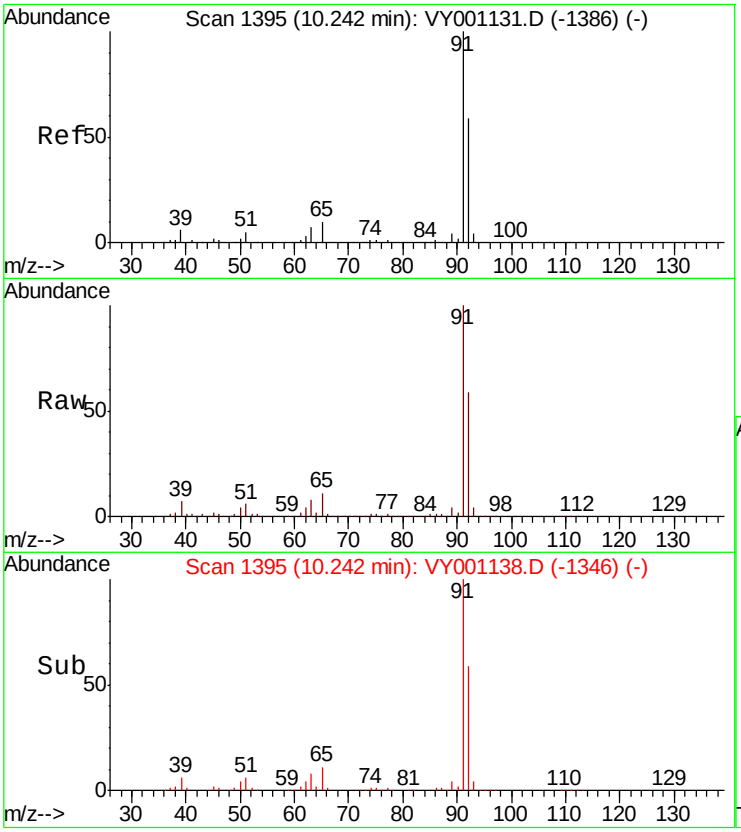


#50
Toluene-d8
Concen: 62.251 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 98 Resp: 632062

Ion	Ratio	Lower	Upper
98	100		
100	52.6	53.2	79.8#





#52
Toluene
Concen: 602.998 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 92 Resp: 4817508

Ion	Ratio	Lower	Upper
92	100		
91	168.8	137.6	206.4

Instrument :
MSVOA_Y
ClientSampleId :
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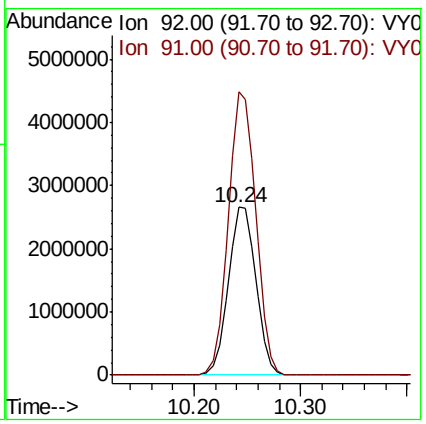
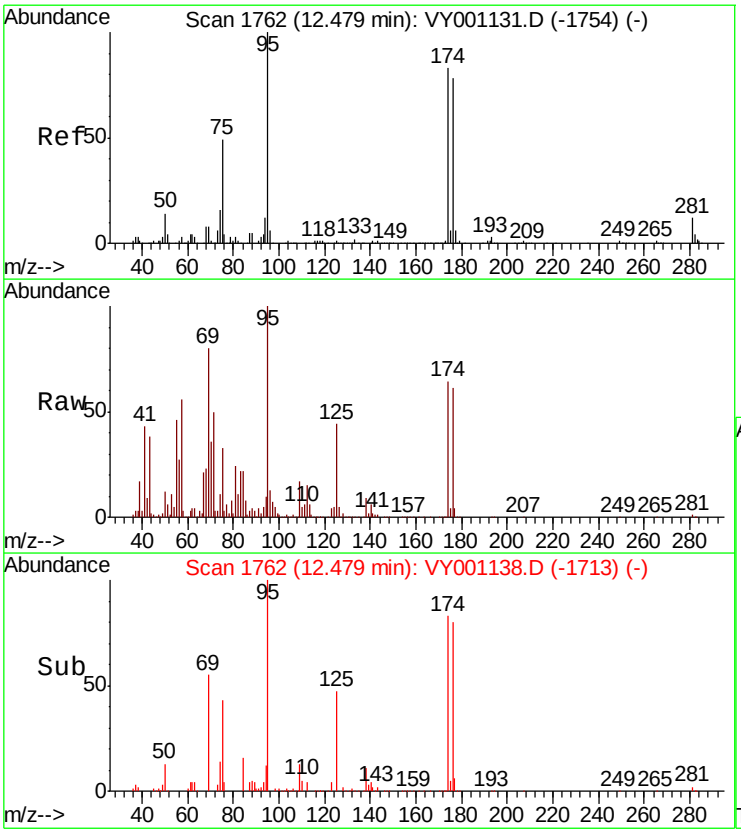
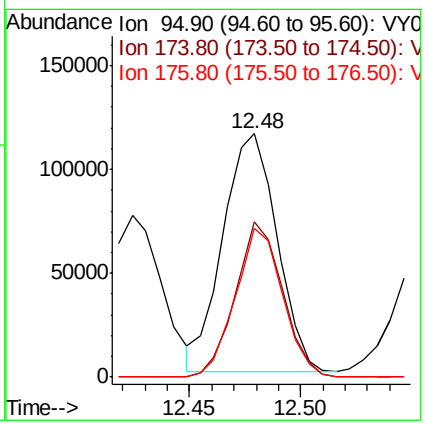


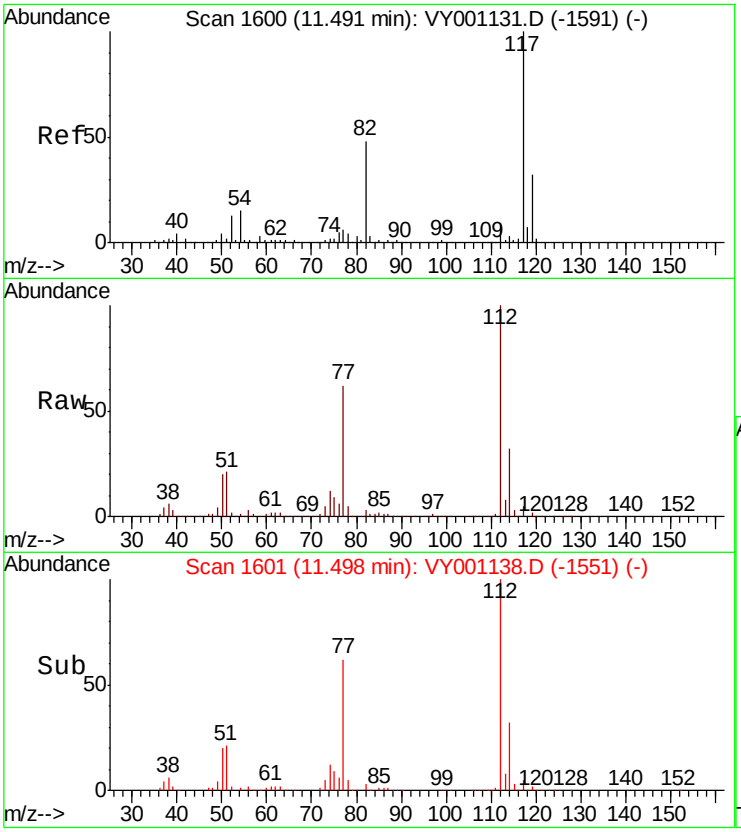


#62
4-Bromofluorobenzene
Concen: 50.271 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 95 Resp: 194117

Ion	Ratio	Lower	Upper
95	100		
174	57.2	0.0	171.8
176	55.0	0.0	163.6

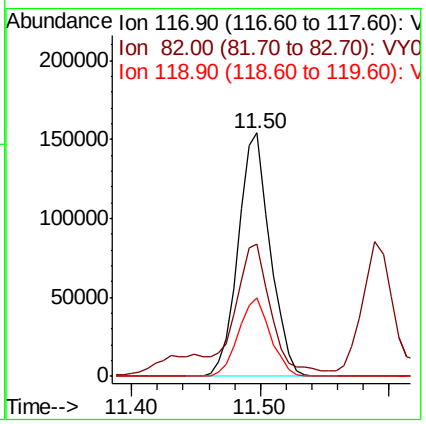




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:117 Resp: 263947

Ion	Ratio	Lower	Upper
117	100		
82	52.3	38.5	57.7
119	32.2	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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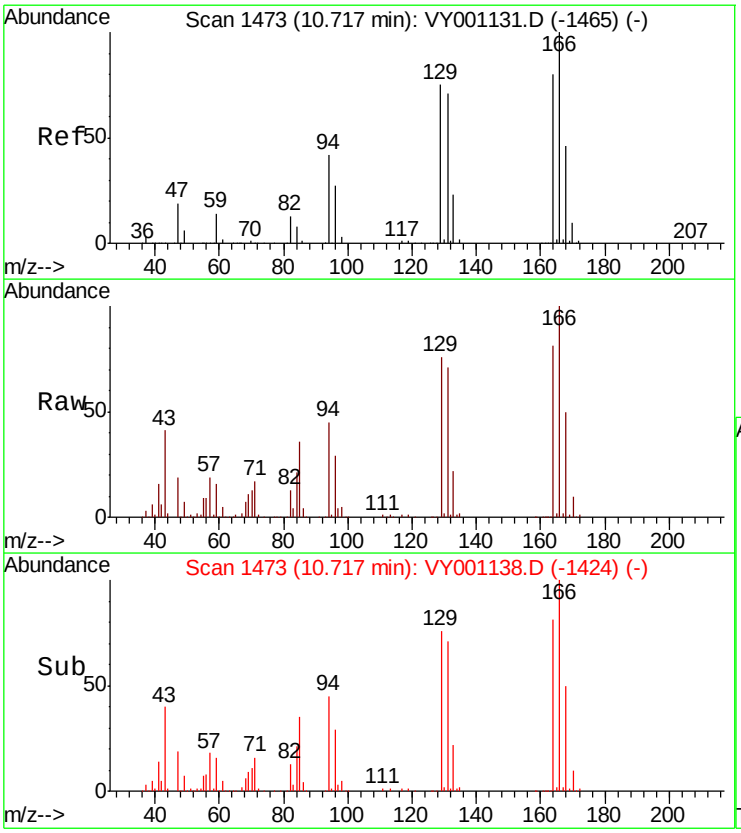
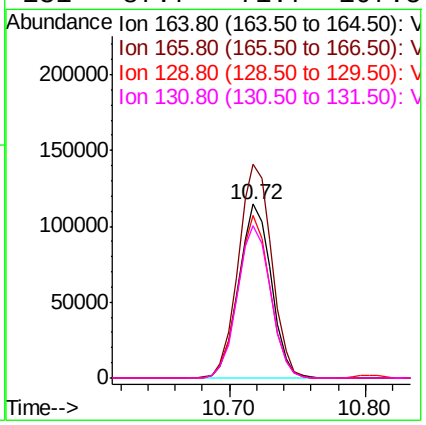
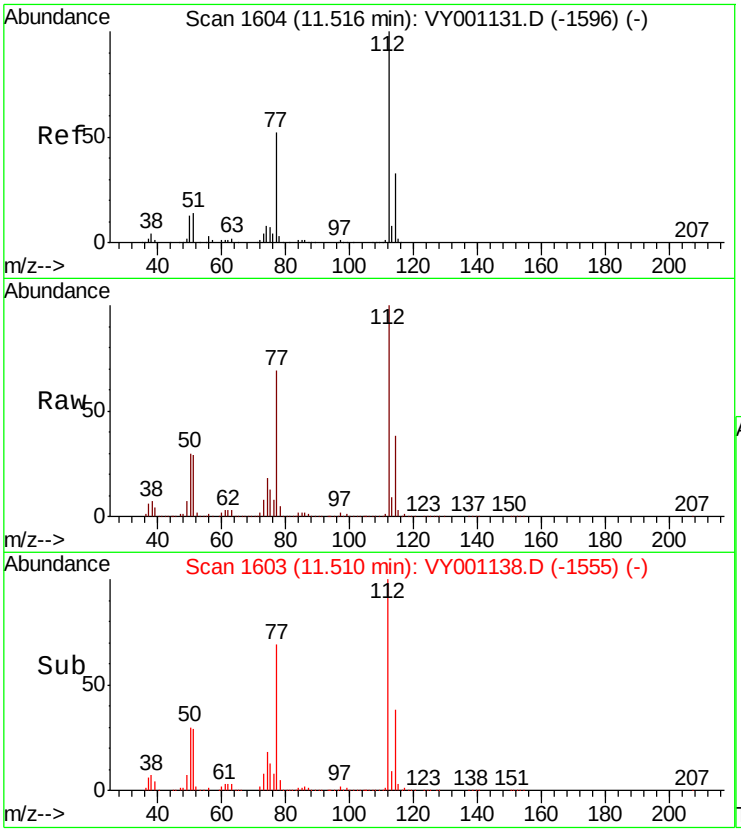


#64
Tetrachloroethene
Concen: 77.463 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:164 Resp: 191852

Ion	Ratio	Lower	Upper
164	100		
166	122.8	100.6	151.0
129	93.5	75.0	112.4
131	87.7	71.7	107.5





#65
Chlorobenzene
Concen: 4881.377 ug/l m
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:112 Resp:27402193

Ion	Ratio	Lower	Upper
112	100		
114	37.6	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
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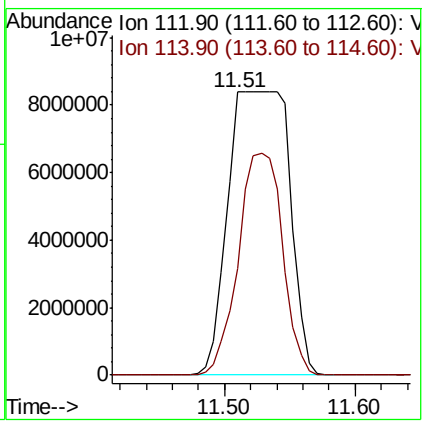
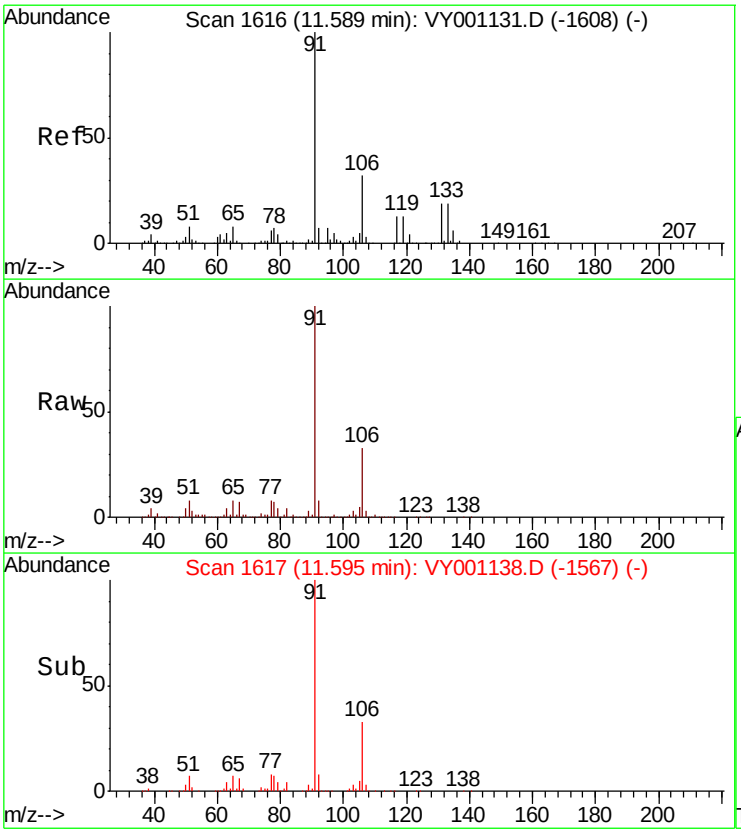
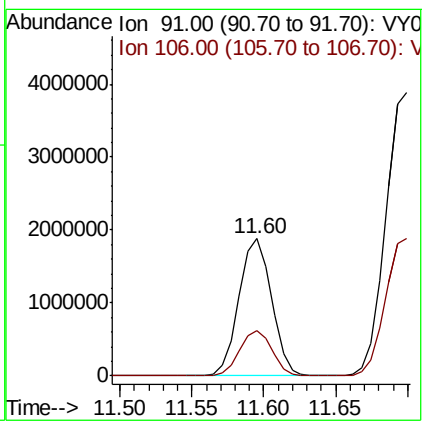


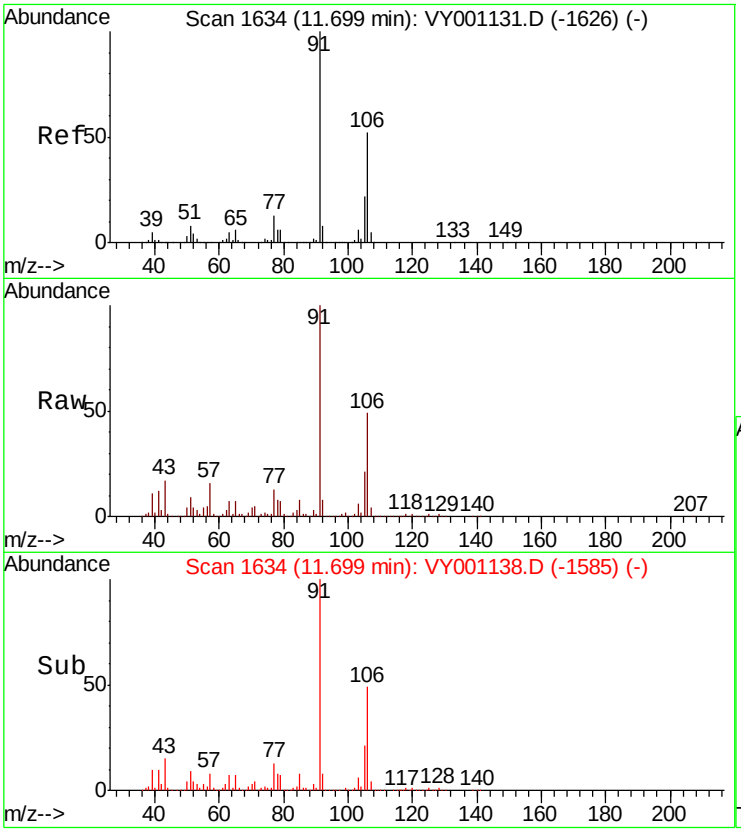


#67
Ethyl Benzene
Concen: 302.985 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 91 Resp: 2963515

Ion	Ratio	Lower	Upper
91	100		
106	33.1	25.9	38.9





#68
m/p-Xylenes
Concen: 884.362 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:106 Resp: 3420136

Ion	Ratio	Lower	Upper
106	100		
91	205.2	154.3	231.5

Instrument :
MSVOA_Y
ClientSampleId :
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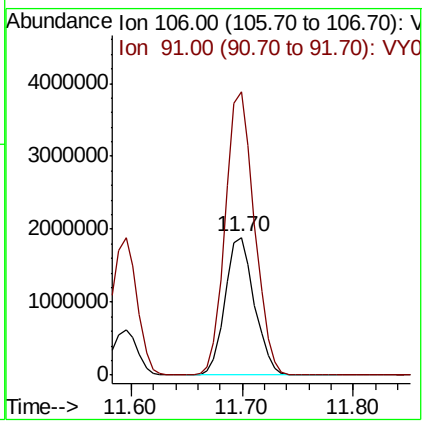
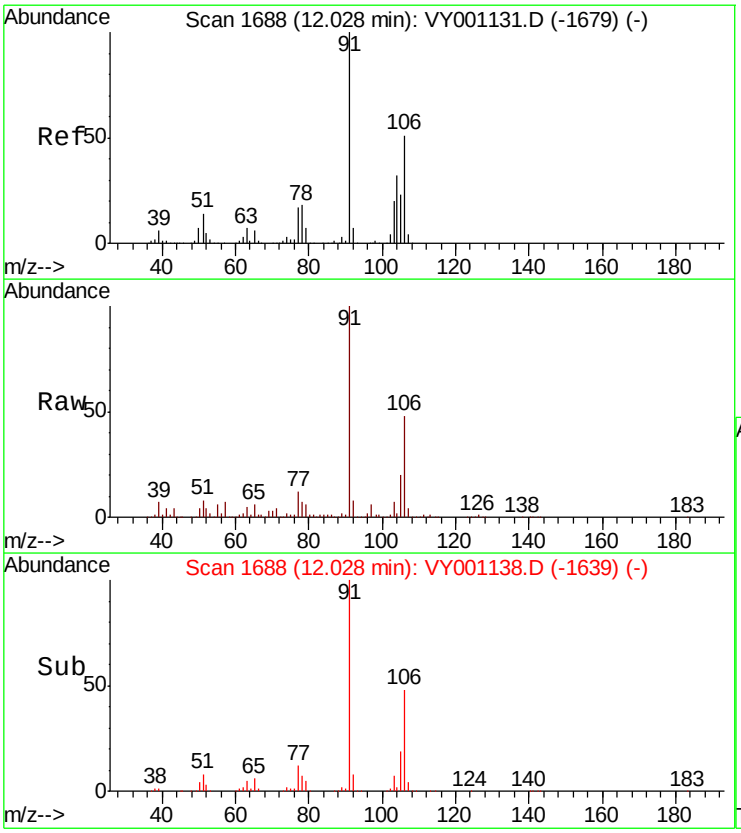
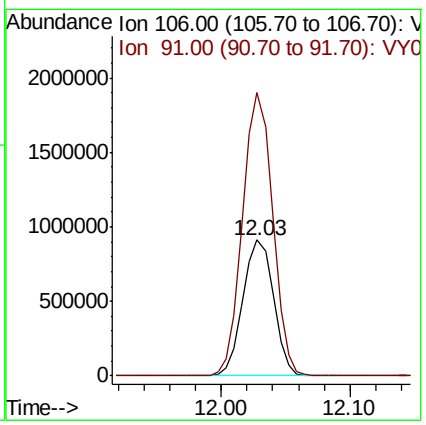


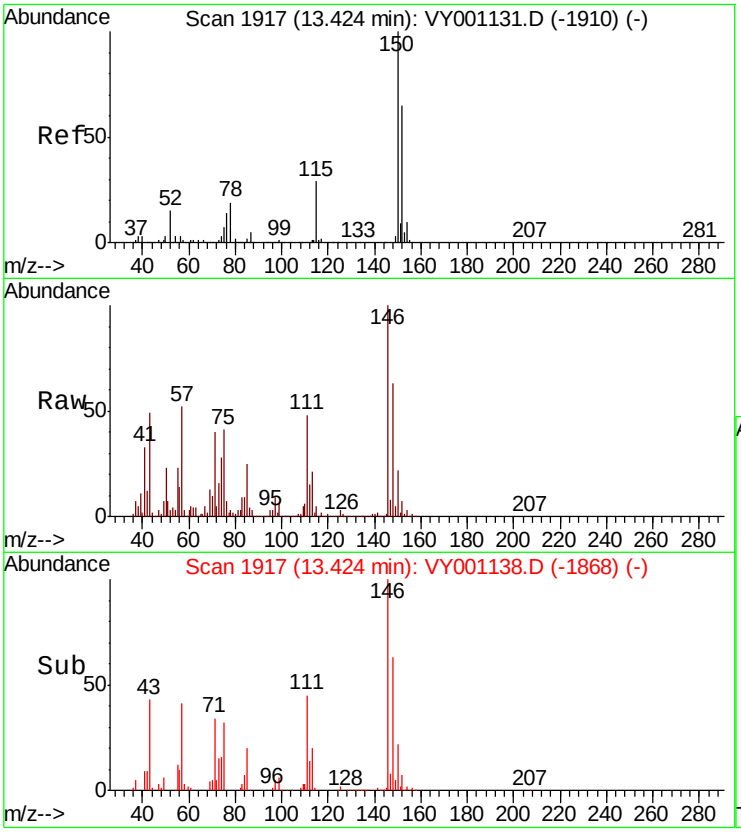


#69
o-Xylene
Concen: 407.613 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:106 Resp: 1496661

Ion	Ratio	Lower	Upper
106	100		
91	205.6	100.8	302.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:152 Resp: 108679

Ion	Ratio	Lower	Upper
152	100		
115	0.0	27.7	83.0#
150	0.0	0.0	342.6

Instrument :
MSVOA_Y
ClientSampleId :
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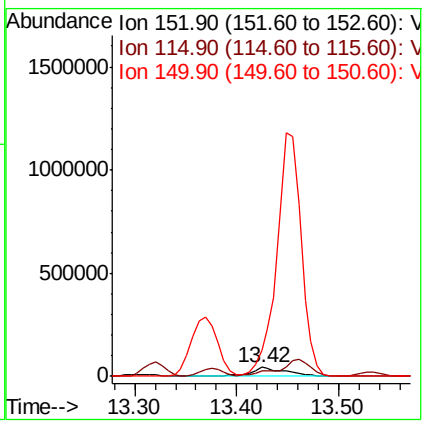
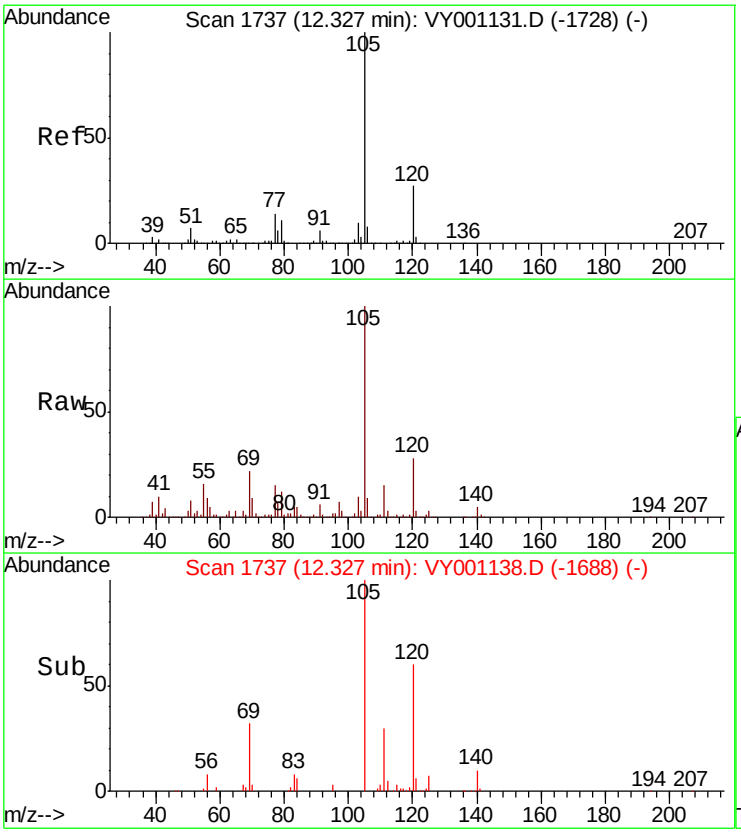
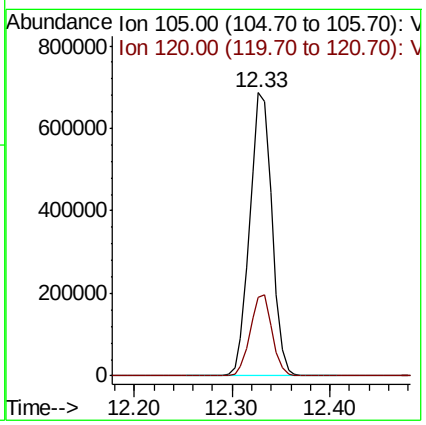


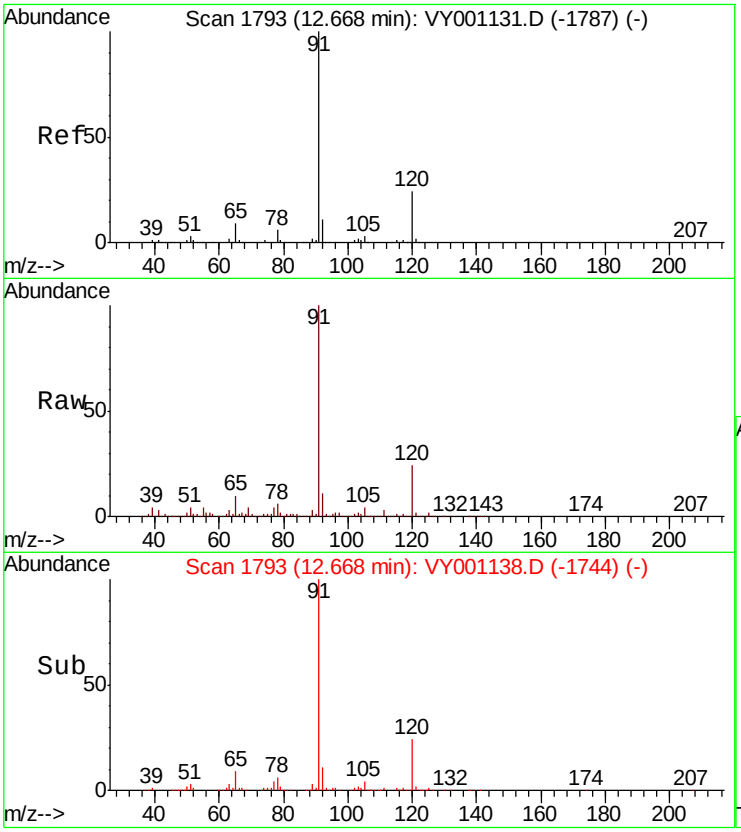


#73
Isopropylbenzene
Concen: 131.624 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:105 Resp: 1078702

Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.9	41.7





#78
n-propylbenzene
Concen: 325.673 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 91 Resp: 3155708

Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
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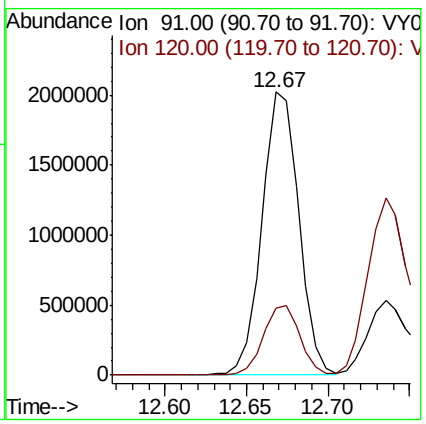
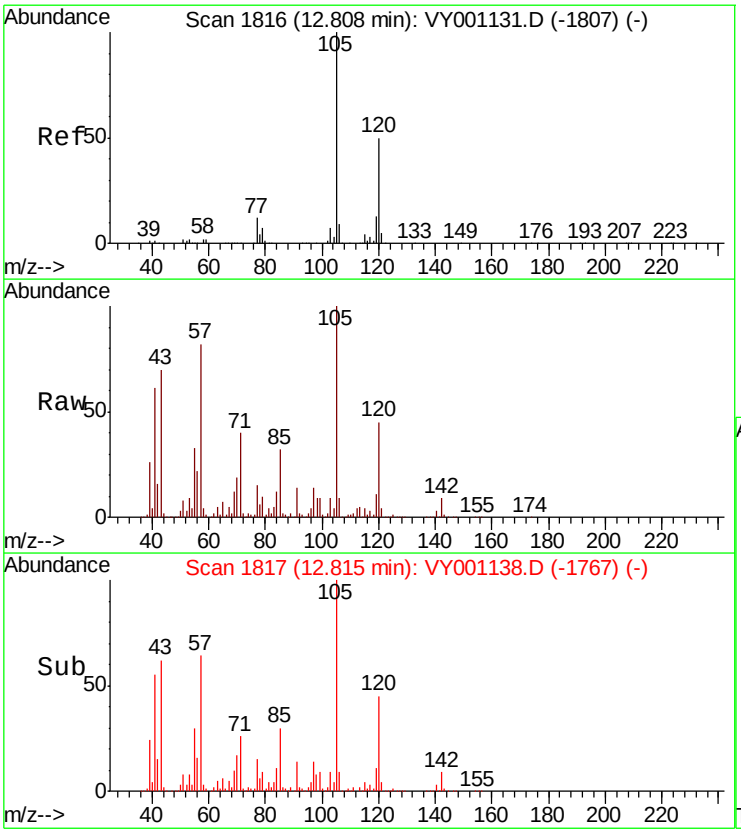
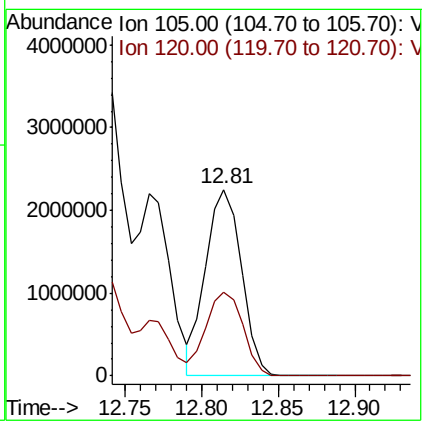


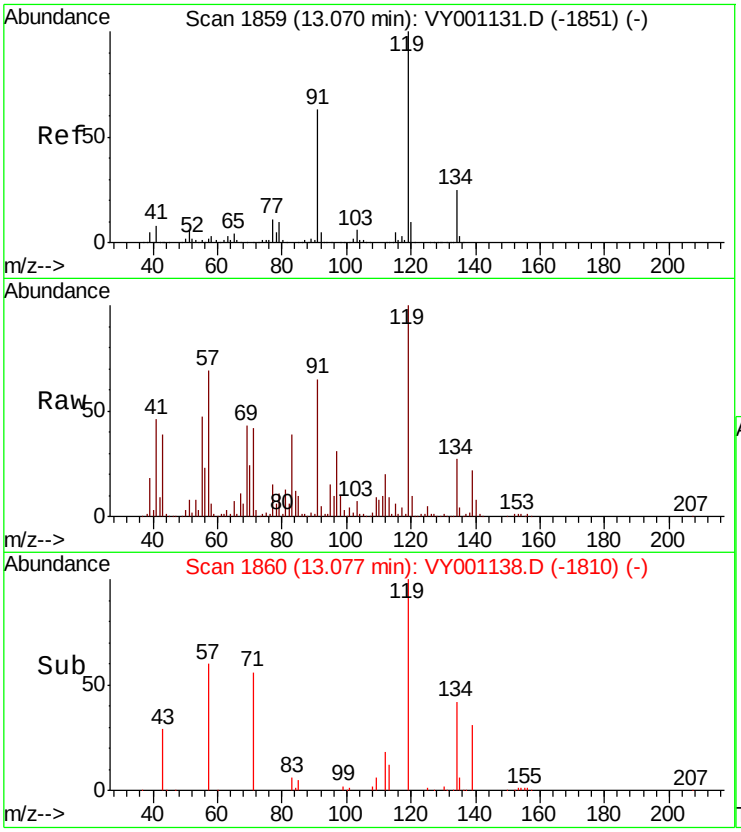


#80
1,3,5-Trimethylbenzene
Concen: 531.356 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. 0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:105 Resp: 3683940

Ion	Ratio	Lower	Upper
105	100		
120	46.2	25.1	75.3





#83
tert-Butylbenzene
Concen: 37.147 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:119 Resp: 219444

Ion	Ratio	Lower	Upper
119	100		
91	66.6	30.9	92.7
134	26.0	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
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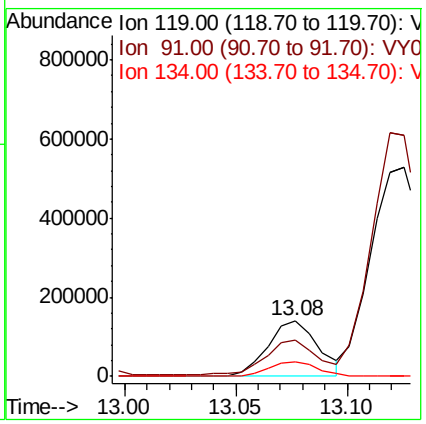
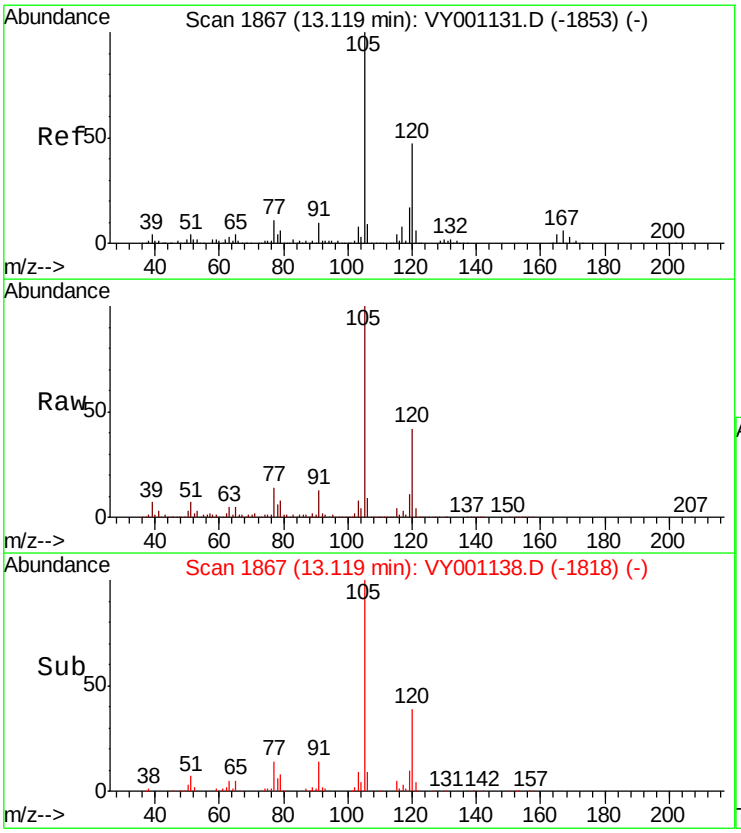
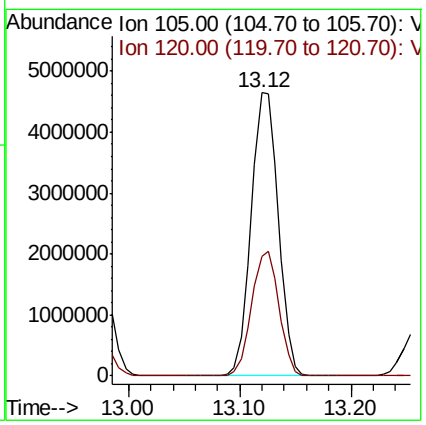


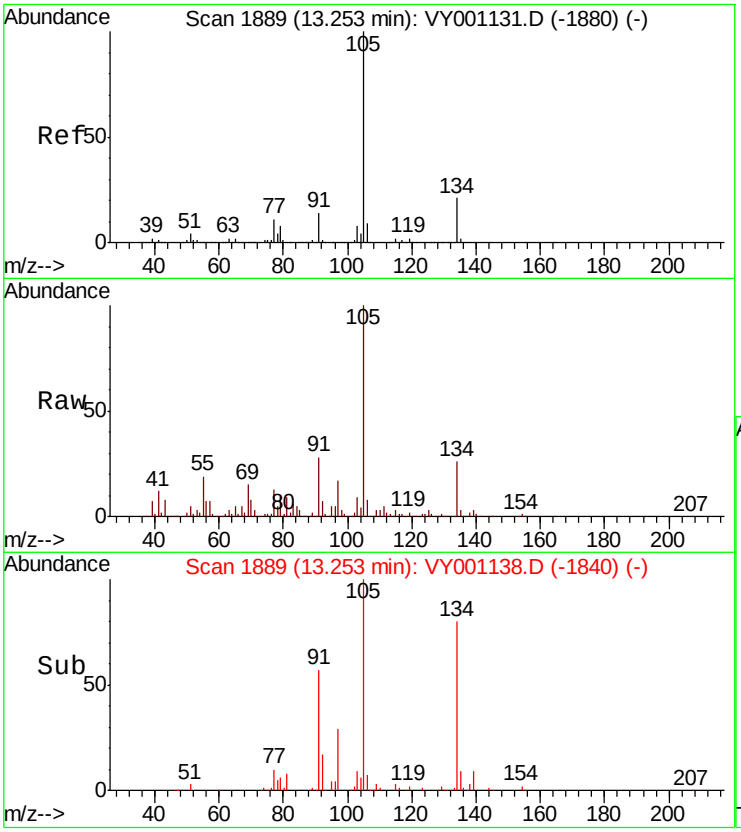


#84
1,2,4-Trimethylbenzene
Concen: 1140.169 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:105 Resp: 7914543

Ion	Ratio	Lower	Upper
105	100		
120	44.4	24.0	72.0





#85
sec-Butylbenzene
Concen: 118.286 ug/l
RT: 13.25 min Scan# 1889
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:105 Resp: 978649

Ion	Ratio	Lower	Upper
105	100		
134	41.2	10.2	30.6#

Instrument :
MSVOA_Y
ClientSampleId :
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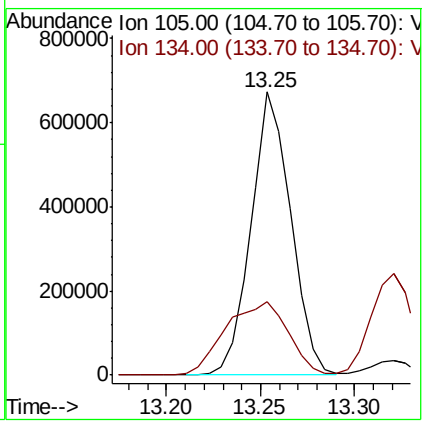
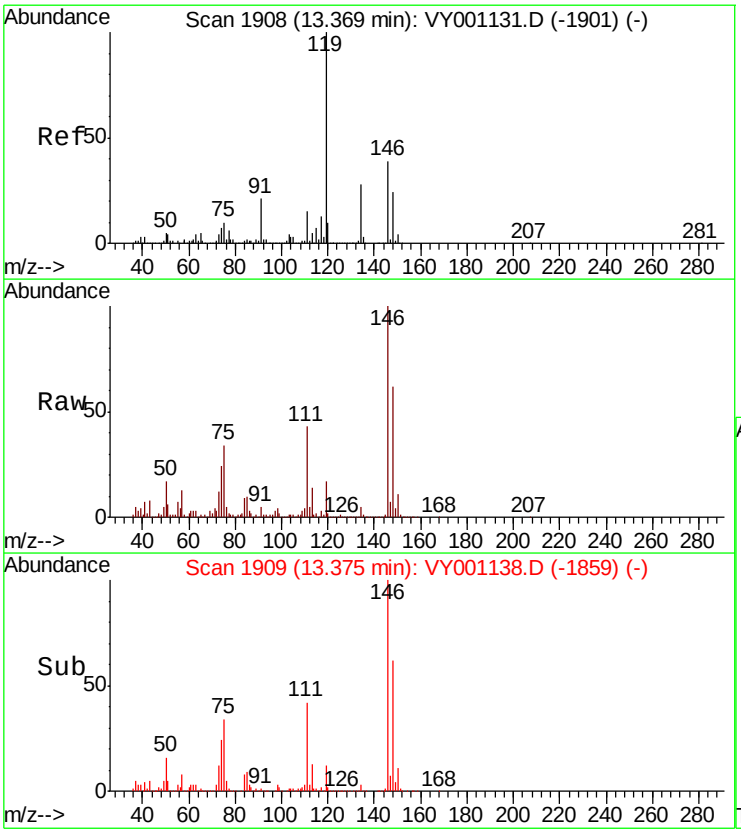
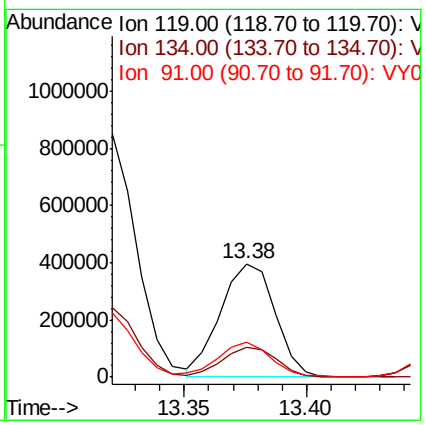


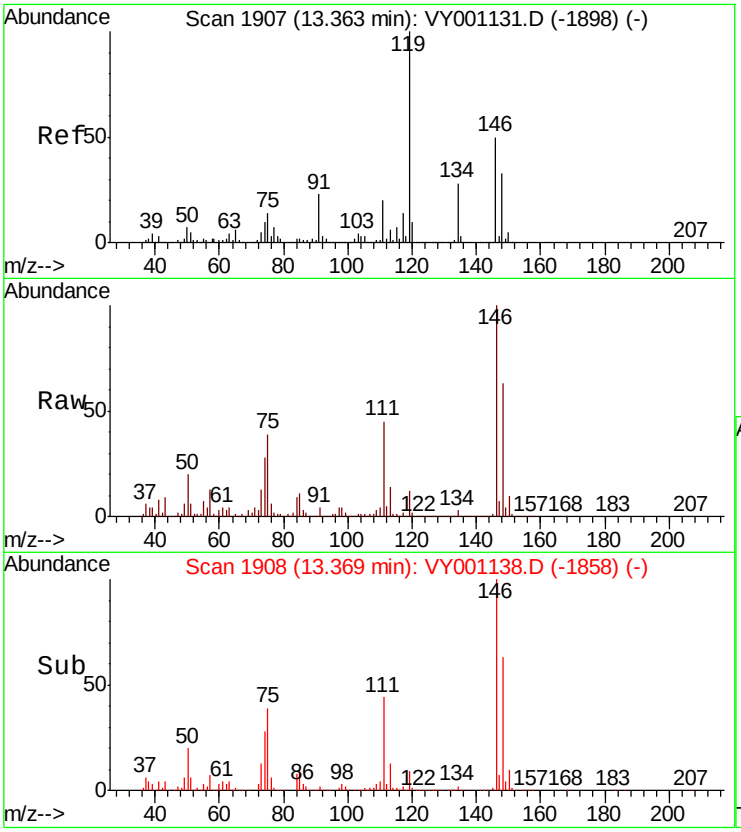


#86
p-Isopropyltoluene
Concen: 82.812 ug/l
RT: 13.38 min Scan# 1909
Delta R.T. 0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:119 Resp: 617027

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.8	41.3
91	28.6	11.1	33.1

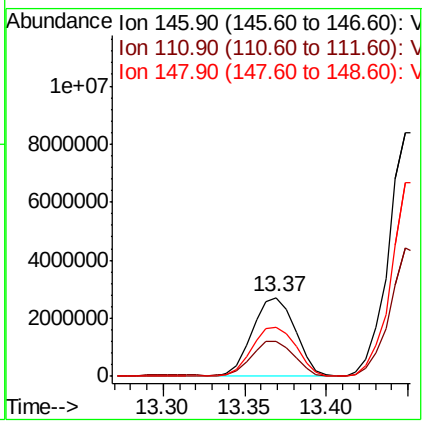




#87
1,3-Dichlorobenzene
Concen: 1339.354 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. 0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:146 Resp: 4967023

Ion	Ratio	Lower	Upper
146	100		
111	43.7	19.5	58.5
148	63.8	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-12-14

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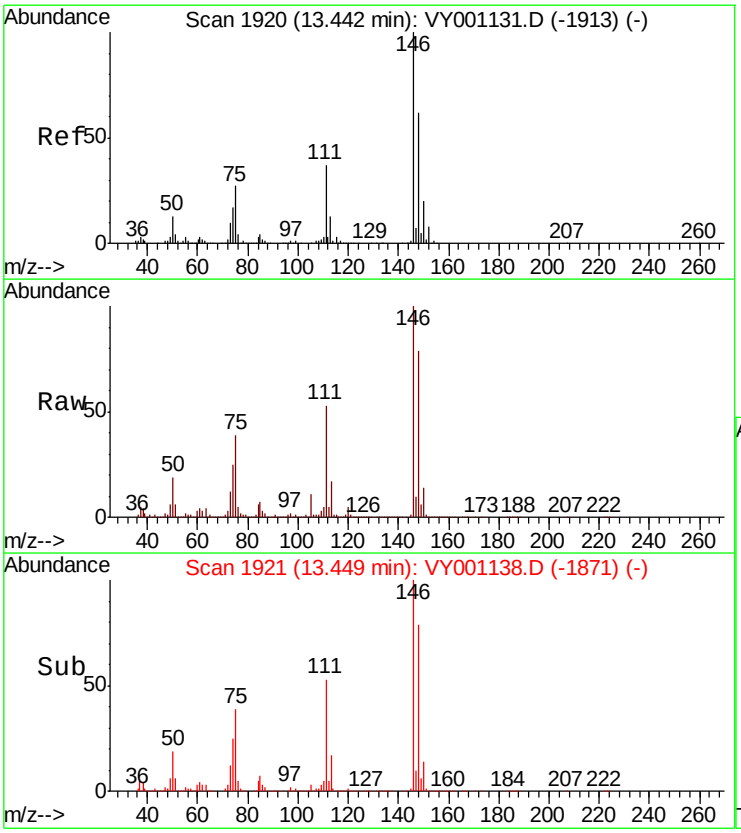
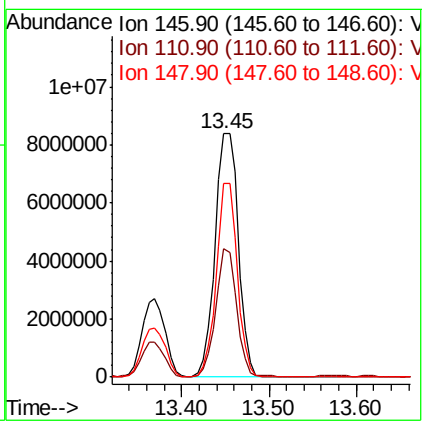
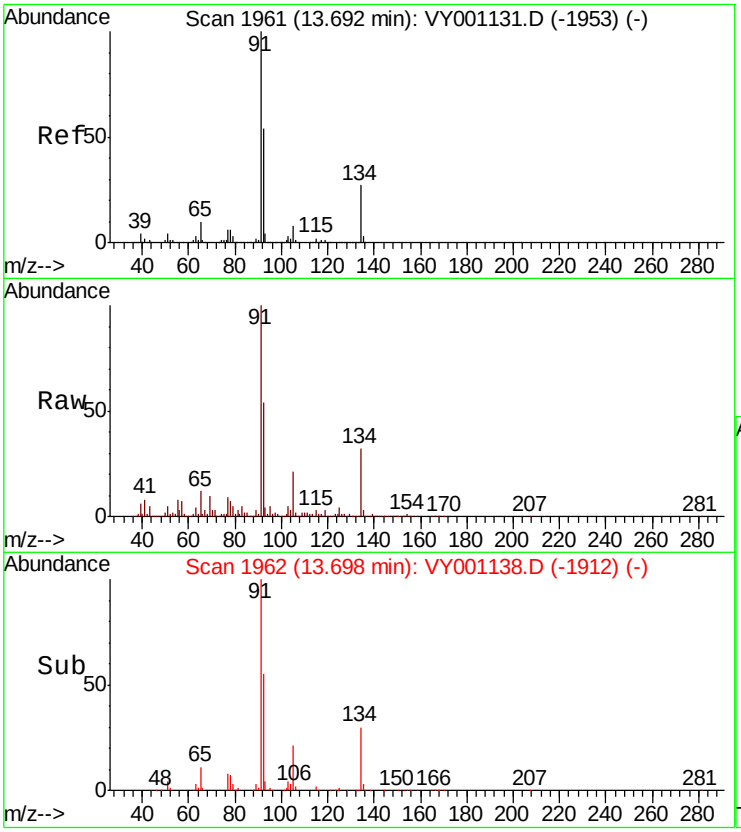


#88
1,4-Dichlorobenzene
Concen: 4120.271 ug/l
RT: 13.45 min Scan# 1921
Delta R.T. 0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:146 Resp:15383747

Ion	Ratio	Lower	Upper
146	100		
111	47.1	19.1	57.3
148	71.4	32.0	96.0





#89
n-Butylbenzene
Concen: 122.779 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion: 91 Resp: 858649

Ion	Ratio	Lower	Upper
91	100		
92	59.2	27.2	81.5
134	0.0	14.1	42.4#

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-12-14

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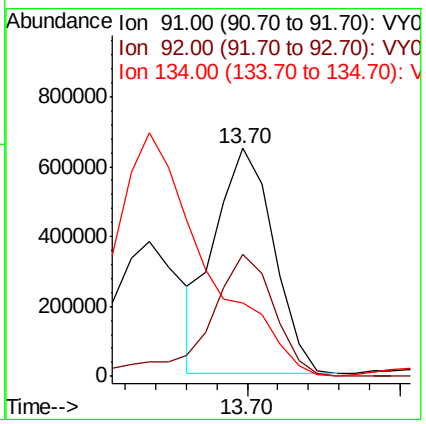
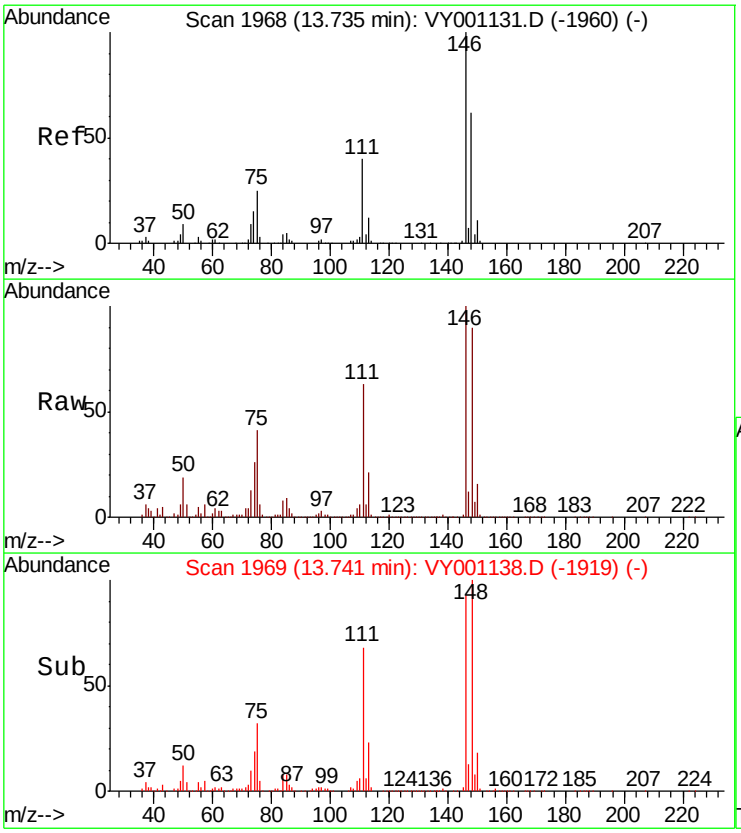
apatel
1/3/2020 11:13:30 AM

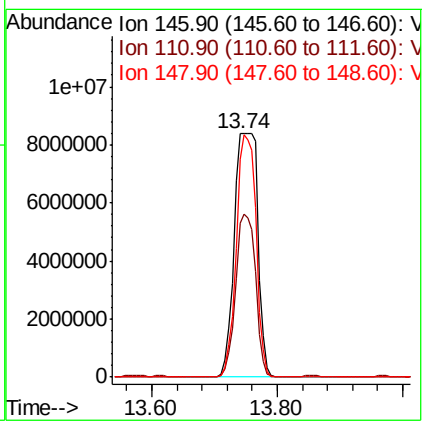


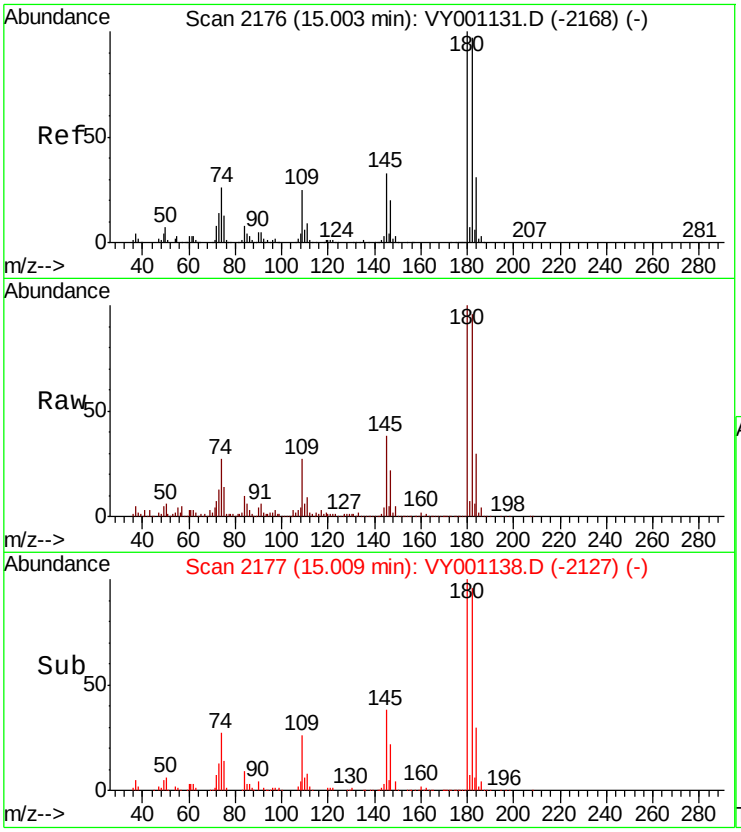


#91
1,2-Dichlorobenzene
Concen: 6366.900 ug/l
RT: 13.74 min Scan# 1969
Delta R.T. 0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:146 Resp:21655091

Ion	Ratio	Lower	Upper
146	100		
111	56.5	20.1	60.3
148	82.9	31.9	95.5





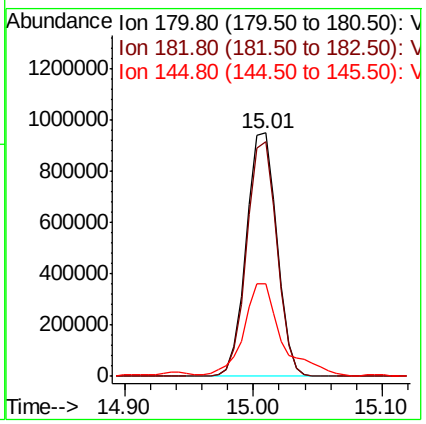
#93
1,2,4-Trichlorobenzene
Concen: 660.573 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. 0.01 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

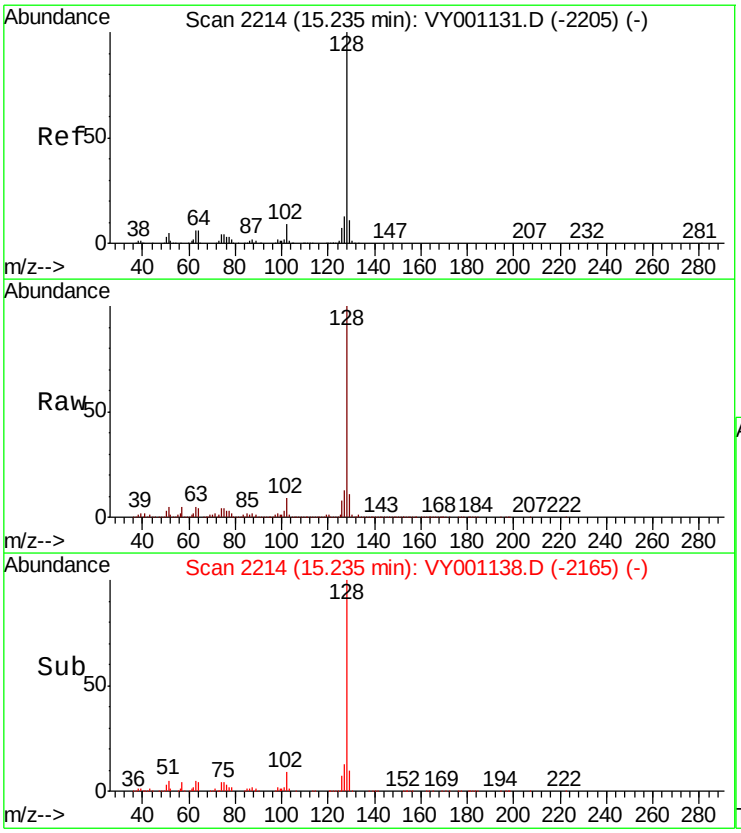
Tgt Ion:180 Resp: 1547526

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.6	145.8
145	46.8	16.1	48.3

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-12-14

Manual Integrations APPROVED
apatel
1/3/2020 11:13:30 AM





#95
Naphthalene
Concen: 865.114 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY001138.D
Acq: 02 Jan 2020 16:47

Tgt Ion:128 Resp: 4625097

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.2	8.7	13.1