Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
Data File : VY019493.D
Acq On : 10 Sep 2024 17:21
Operator : SY/MD
Sample : P3911-05
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 11 01:51:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	260738	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	500854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	437171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	156447	64.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.600%			
35) Dibromofluoromethane	7.628	113	158669	55.874	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.740%			
50) Toluene-d8	10.103	98	592237	56.384	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.760%			
62) 4-Bromofluorobenzene	12.408	95	196653	48.692	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 97.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.848	85	70	Below Cal	#	43
11) Tert butyl alcohol	4.854	59	2689	13.791	ug/l #	88
13) Acrolein	3.647	56	288	Below Cal	#	15
16) Acetone	3.866	43	5533	9.619	ug/l #	75
17) Carbon Disulfide	4.098	76	18103	2.896	ug/l	97
20) Methylene Chloride	4.610	84	22979	8.760	ug/l #	88
25) 2-Butanone	6.890	43	1732	2.117	ug/l #	82
31) Cyclohexane	7.695	56	16881	3.907	ug/l #	75
36) 1,1-Dichloropropene	7.707	75	22288	5.768	ug/l #	49
38) Carbon Tetrachloride	7.701	117	28227	6.478	ug/l #	16
39) Methylcyclohexane	9.103	83	27425	5.333	ug/l	94
40) Benzene	8.073	78	221841	18.640	ug/l	97
48) Methyl methacrylate	9.164	41	3347	1.704	ug/l #	14
51) 4-Methyl-2-Pentanone	9.999	43	10937	5.226	ug/l	95
52) Toluene	10.170	92	298978	39.060	ug/l	100
55) 1,1,2-Trichloroethane	10.548	97	2561	1.166	ug/l #	30
59) 2-Hexanone	10.731	43	5003	3.261	ug/l #	19
67) Ethyl Benzene	11.517	91	80940	5.297	ug/l	99
68) m/p-Xylenes	11.621	106	148440	25.692	ug/l	93
69) o-Xylene	11.950	106	84086	14.882	ug/l	89
70) Styrene	11.969	104	18366	1.925	ug/l #	22
74) N-amyl acetate	12.036	43	4197	1.272	ug/l #	46
76) 1,2,3-Trichloropropane	12.401	75	104490	66.671	ug/l #	100
78) n-propylbenzene	12.597	91	17039	1.185	ug/l	97
79) 2-Chlorotoluene	12.657	91	9140	1.091	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.737	105	49322	5.001	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.401	75	104490	127.989	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.042	105	126126	12.920	ug/l	96
85) sec-Butylbenzene	13.042	105	126126	9.725	ug/l #	56
92) 1,2-Dibromo-3-Chloropr...	14.267	75	440	1.226	ug/l #	1
95) Naphthalene	15.139	128	1222017	215.069	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
Data File : VY019493.D
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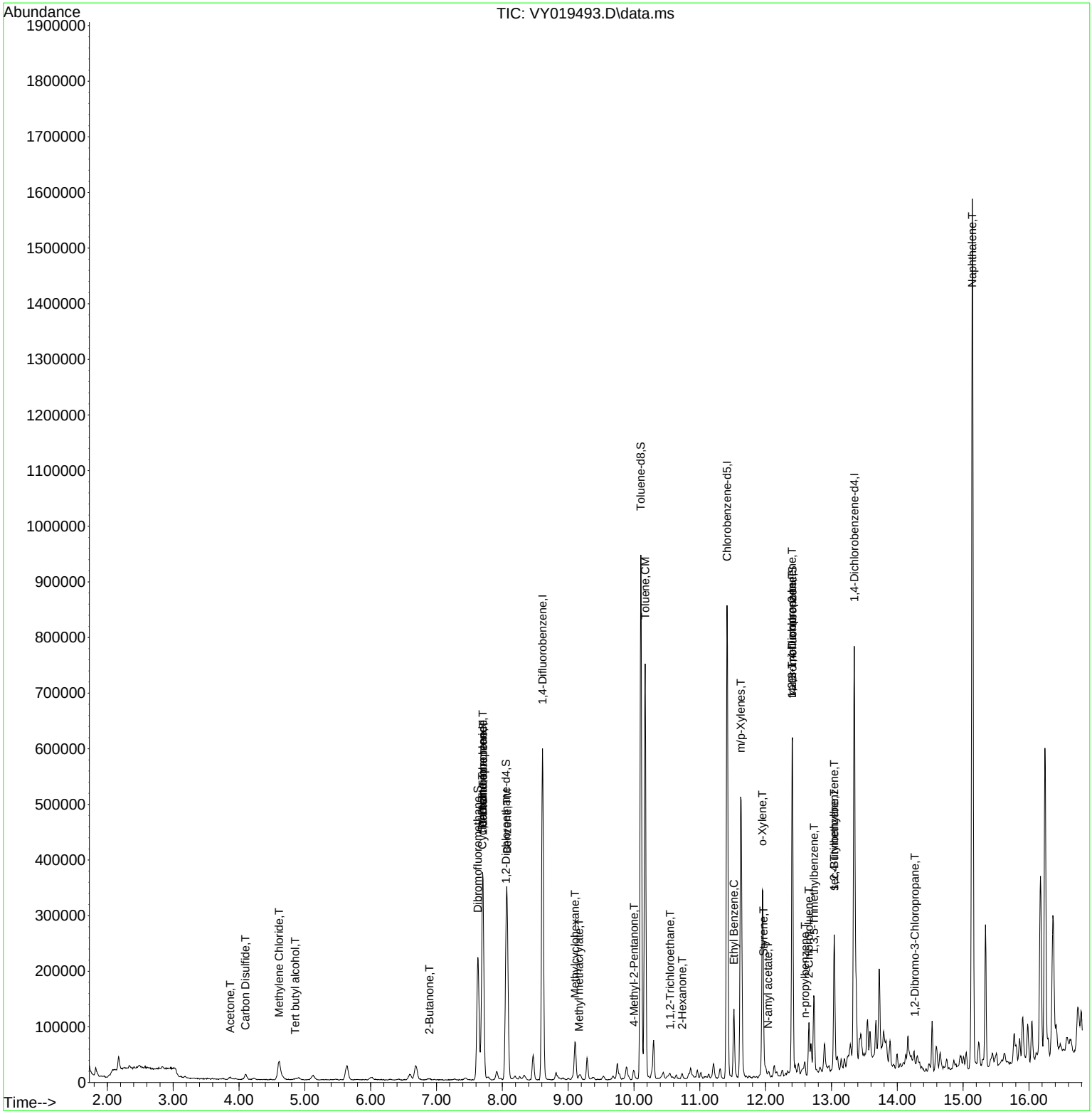
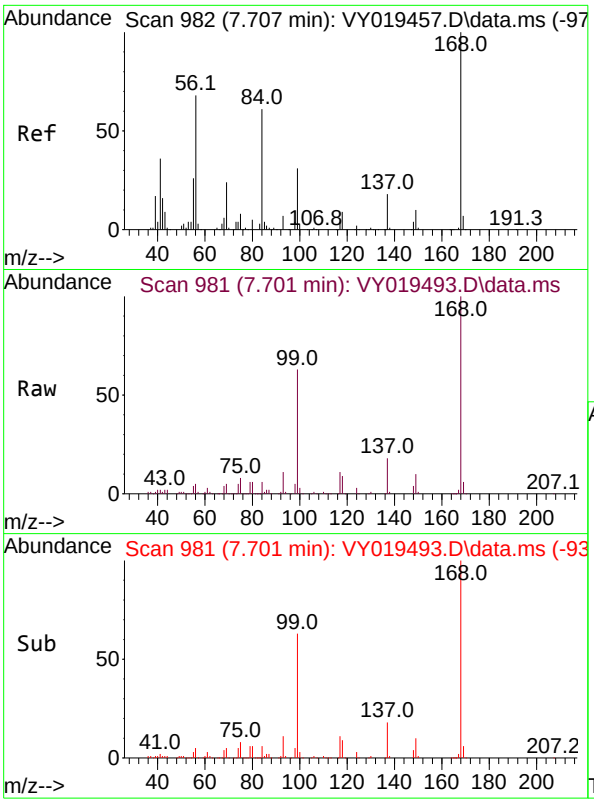
Operator : SY/MD
Sample : P3911-05
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 11 01:51:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



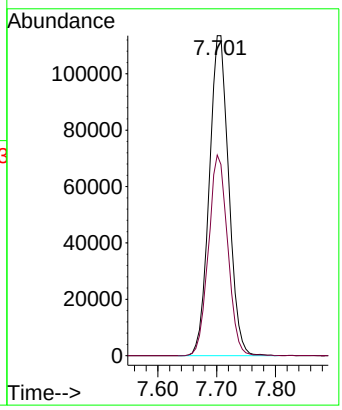


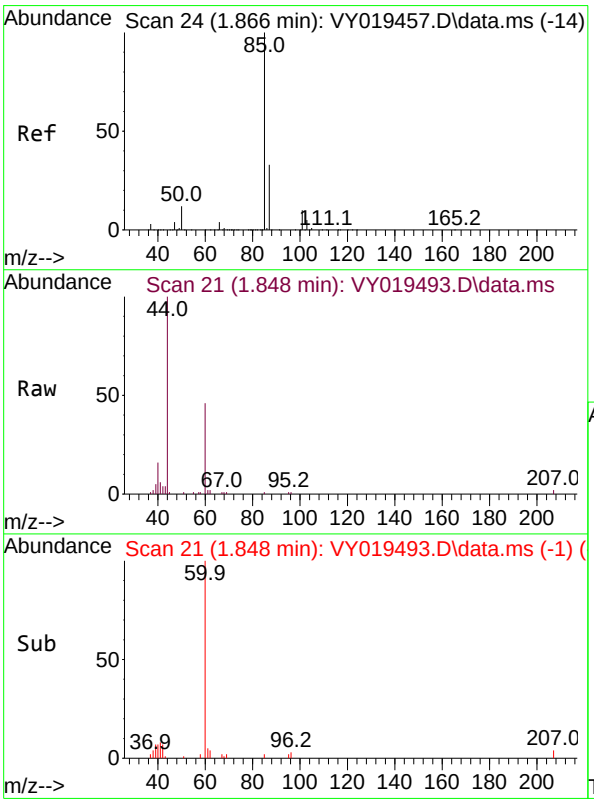
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 260738

Ion	Ratio	Lower	Upper
168	100		
99	62.7	39.1	58.7#

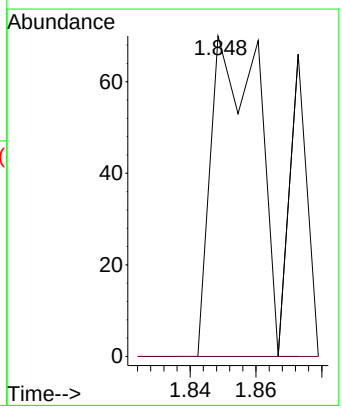


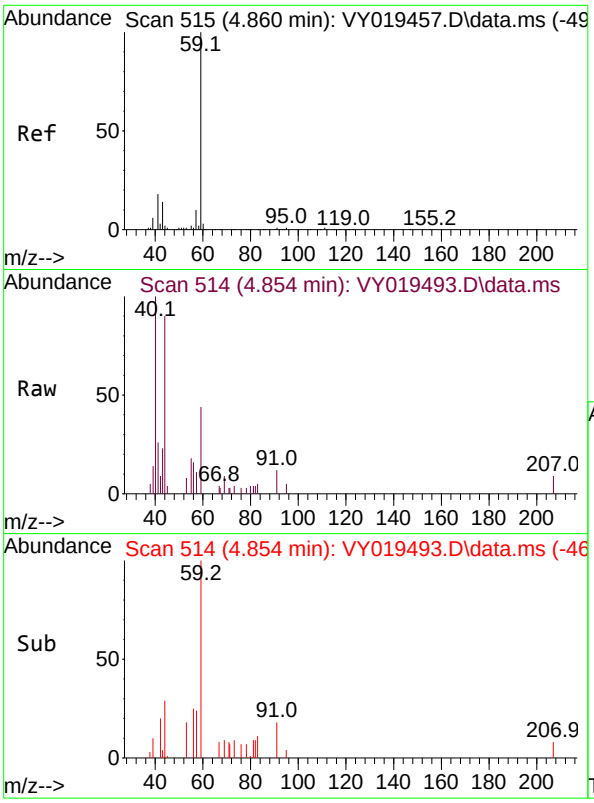


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.848 min Scan# 21
Delta R.T. -0.018 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 85 Resp: 70

Ion	Ratio	Lower	Upper
85	100		
87	0.0	16.0	48.0#



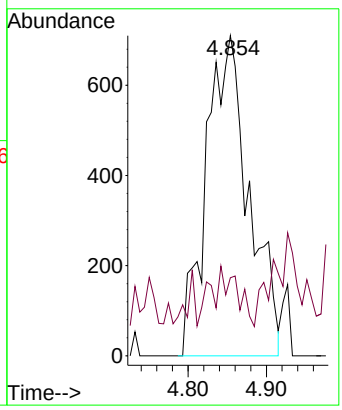


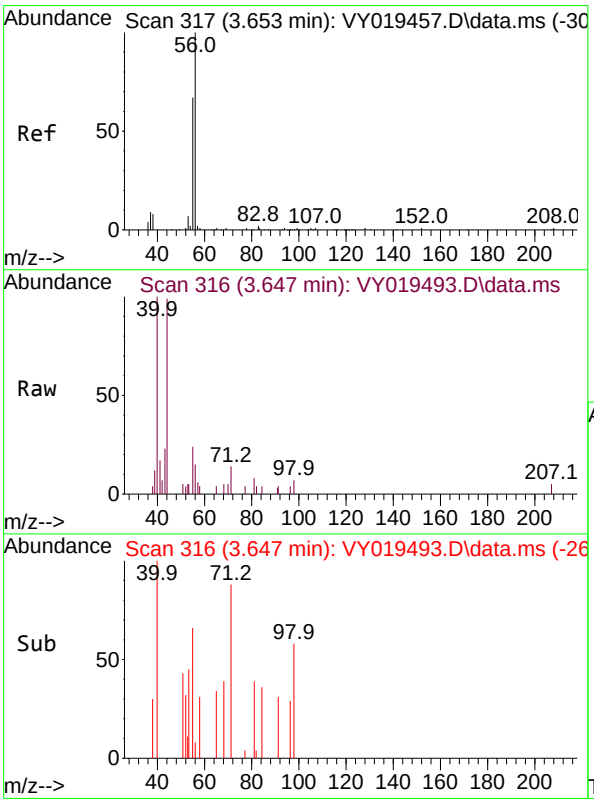
#11
Tert butyl alcohol
Concen: 13.791 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 59 Resp: 2689

Ion	Ratio	Lower	Upper
59	100		
57	7.7	3.0	4.6#

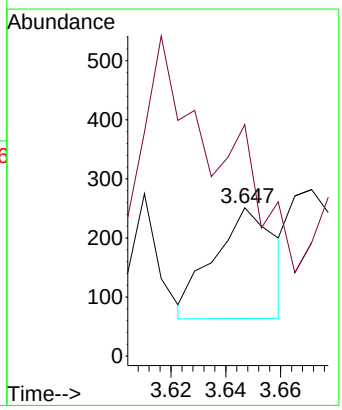


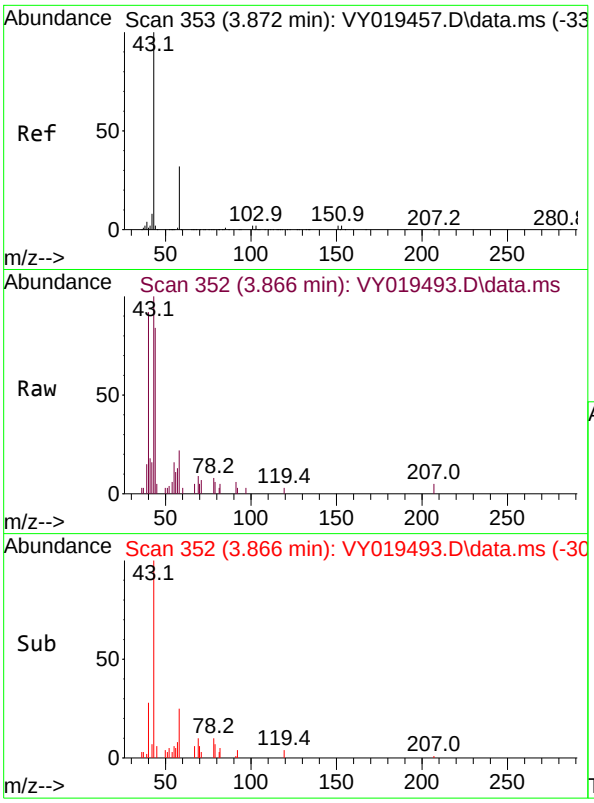


#13
Acrolein
Concen: Below Cal
RT: 3.647 min Scan# 316
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 56 Resp: 288

Ion	Ratio	Lower	Upper
56	100		
55	0.0	55.7	83.5#



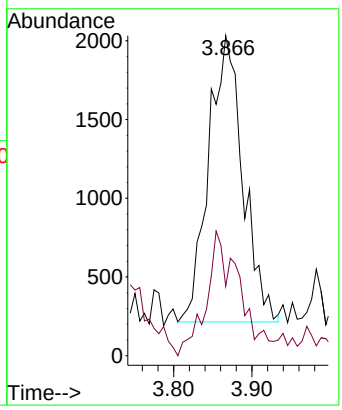


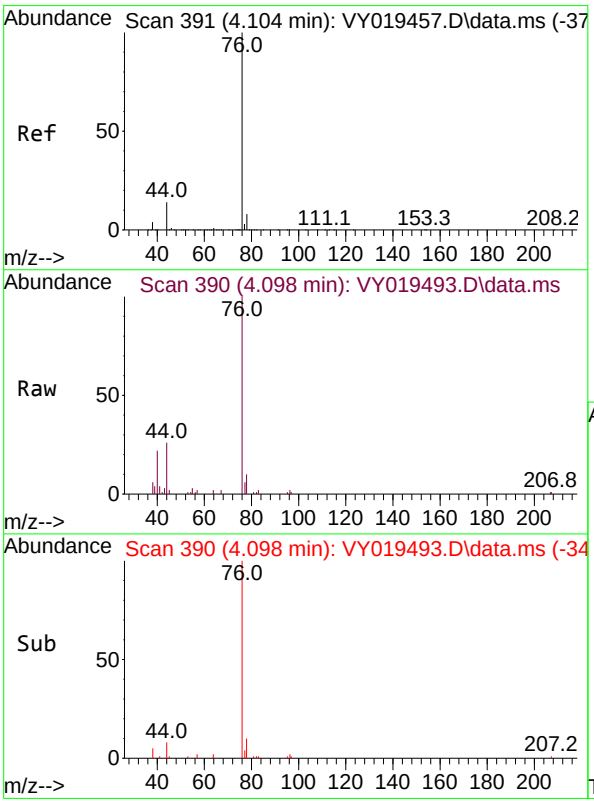
#16
Acetone
Concen: 9.619 ug/l
RT: 3.866 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 5533

Ion	Ratio	Lower	Upper
43	100		
58	24.3	31.7	47.5#

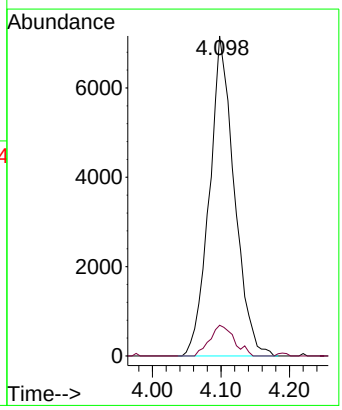


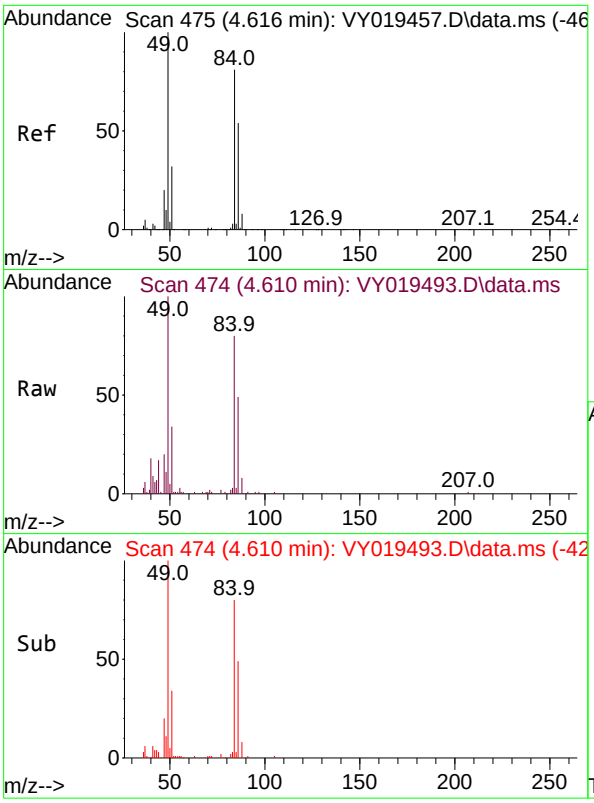


#17
Carbon Disulfide
Concen: 2.896 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 76 Resp: 18103

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.8	10.2



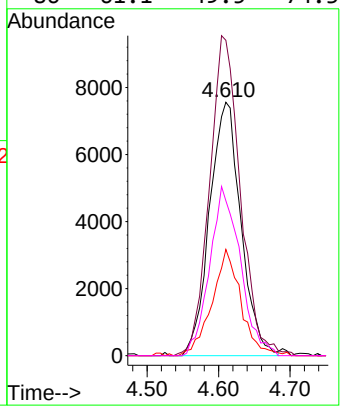


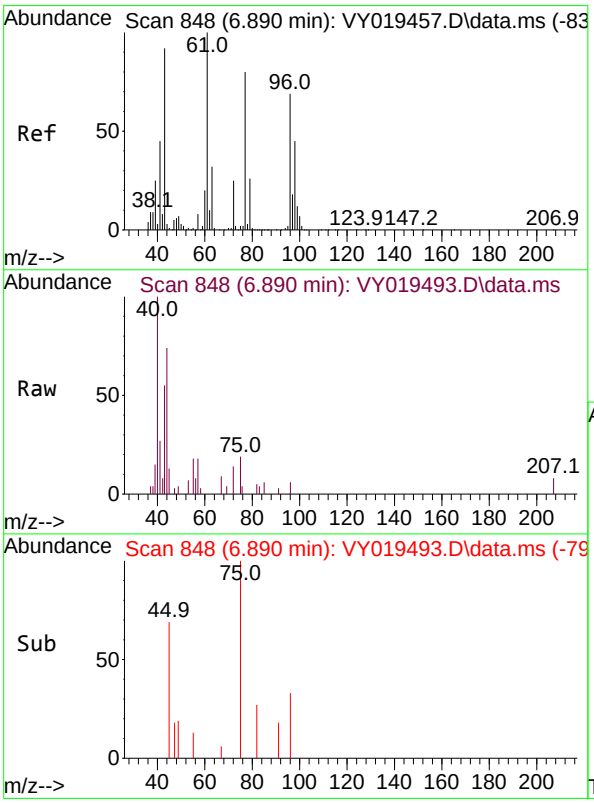
#20
Methylene Chloride
Concen: 8.760 ug/l
RT: 4.610 min Scan# 4
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 22979

Ion	Ratio	Lower	Upper
84	100		
49	123.6	84.4	126.6
51	42.0	26.0	39.0#
86	61.1	49.5	74.3

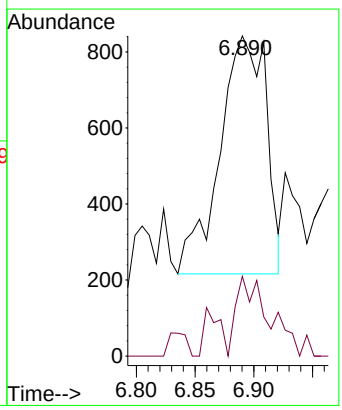


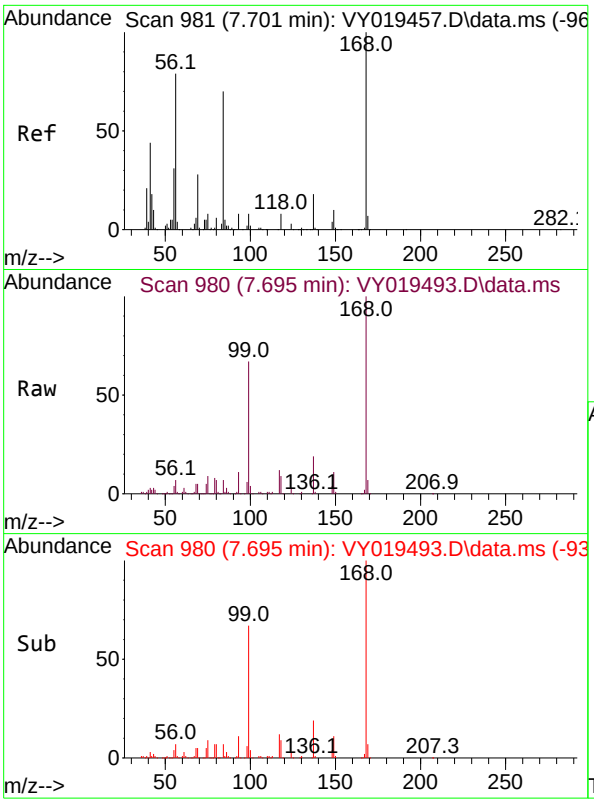


#25
2-Butanone
Concen: 2.117 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 43 Resp: 1732

Ion	Ratio	Lower	Upper
43	100		
72	24.0	27.3	40.9#



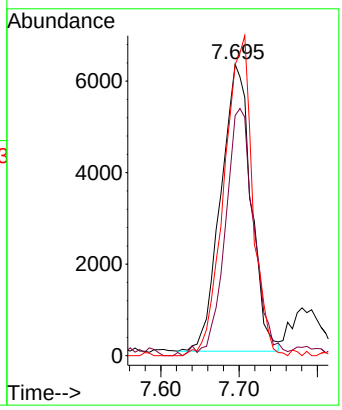


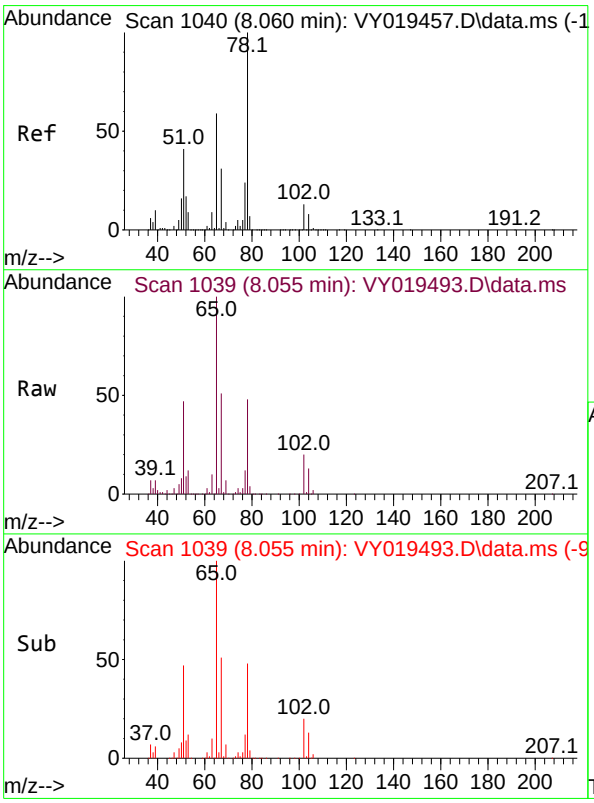
#31
Cyclohexane
Concen: 3.907 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 16881

Ion	Ratio	Lower	Upper
56	100		
69	82.6	28.7	43.1#
84	101.5	77.7	116.5

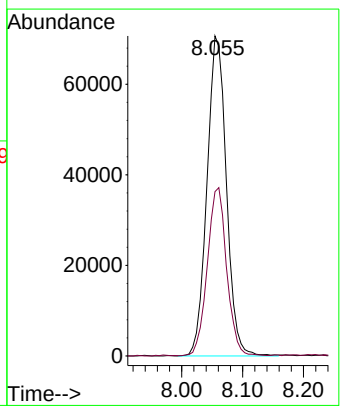


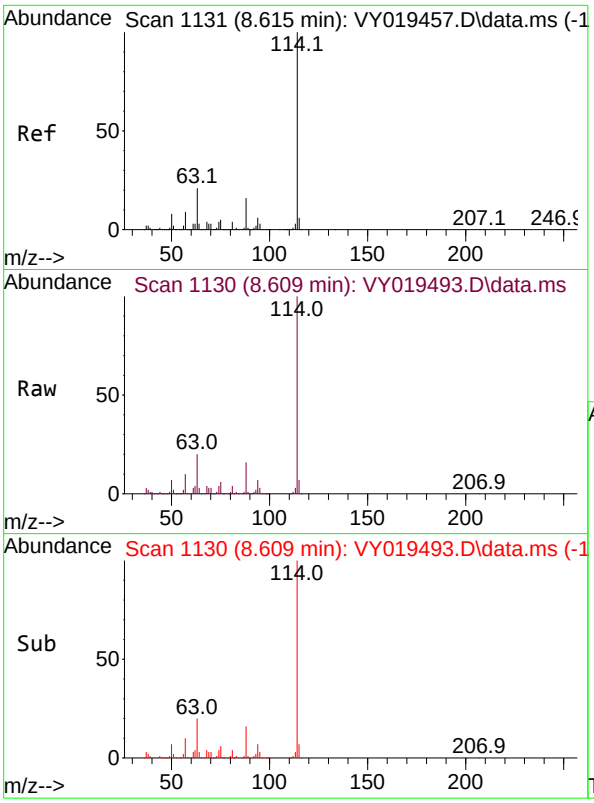


#33
1,2-Dichloroethane-d4
Concen: 64.798 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 65 Resp: 156447

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	109.6



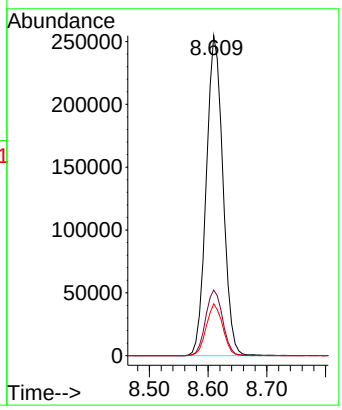


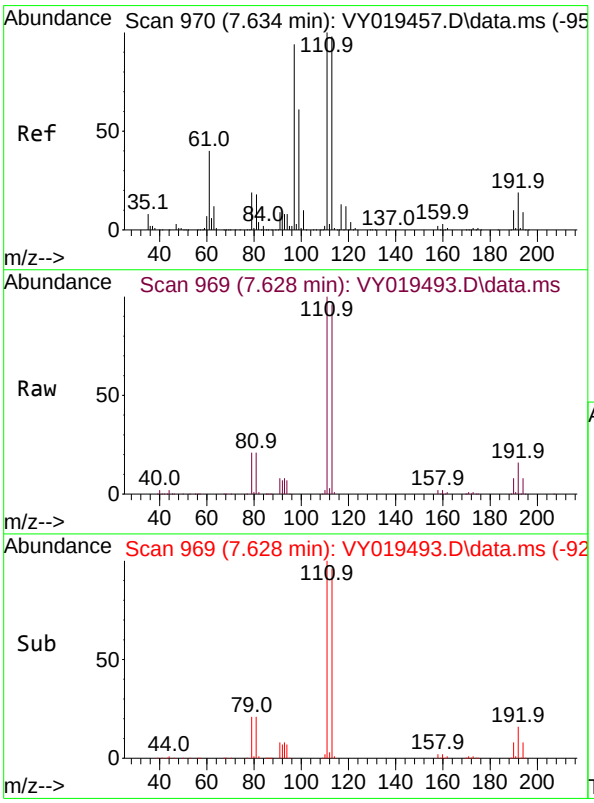
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 500854

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	35.0
88	16.2	0.0	27.2

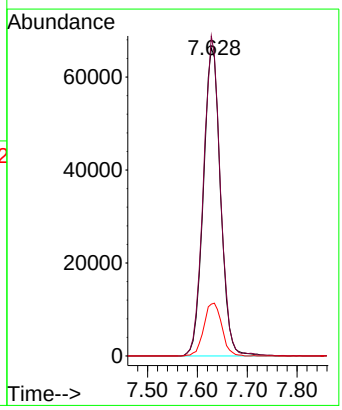


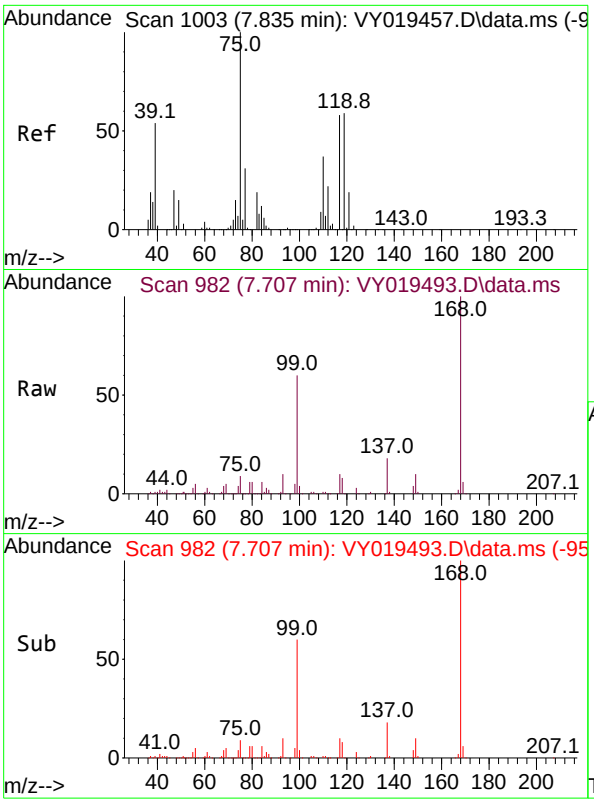


#35
Dibromofluoromethane
Concen: 55.874 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion:113 Resp: 158669

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	17.9	15.9	23.9



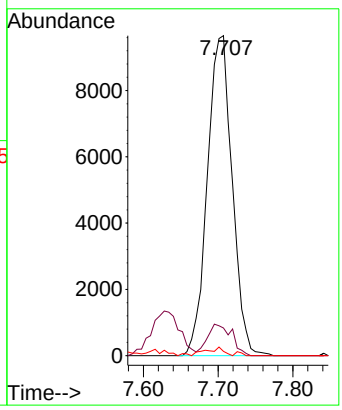


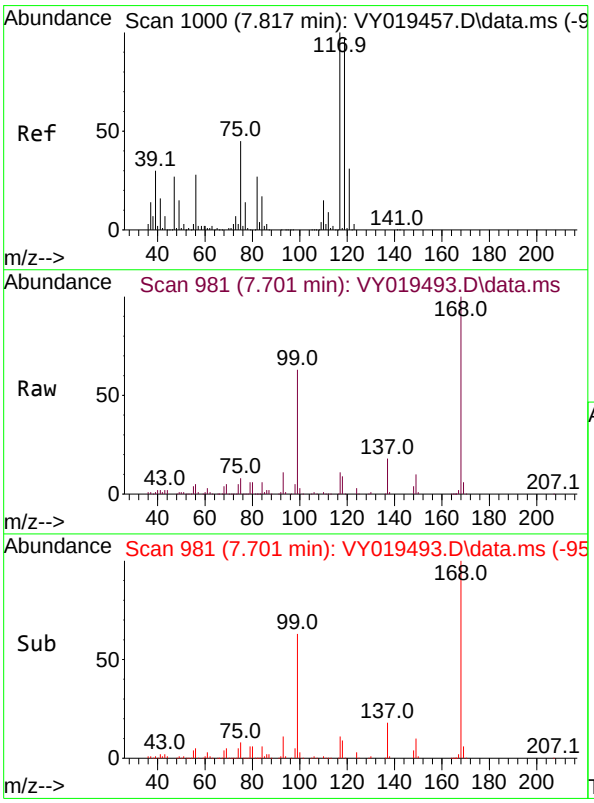
#36
1,1-Dichloropropene
Concen: 5.768 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.128 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 22288

Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.0	57.0#
77	0.0	25.3	37.9#

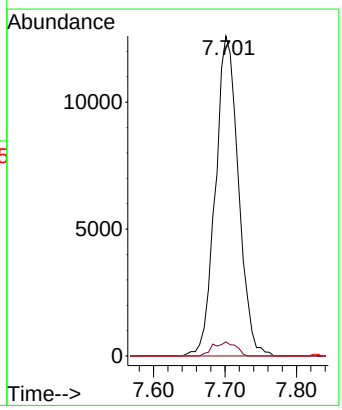


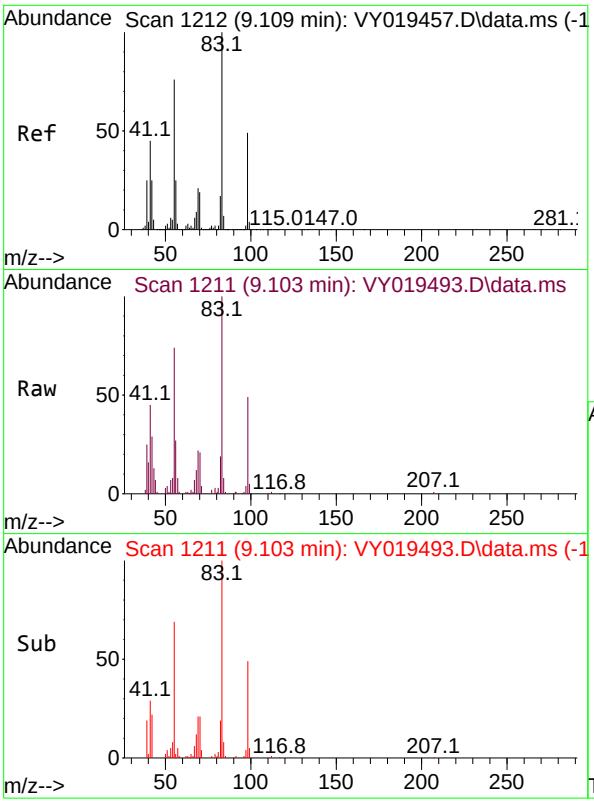


#38
Carbon Tetrachloride
Concen: 6.478 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion:117 Resp: 28227

Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.8	113.6#
121	0.0	24.0	36.0#



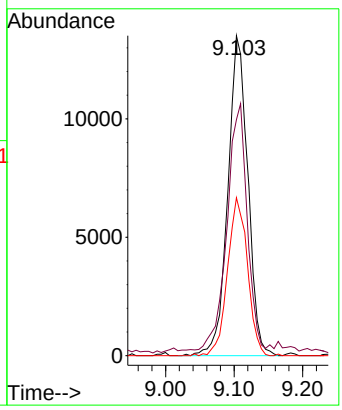


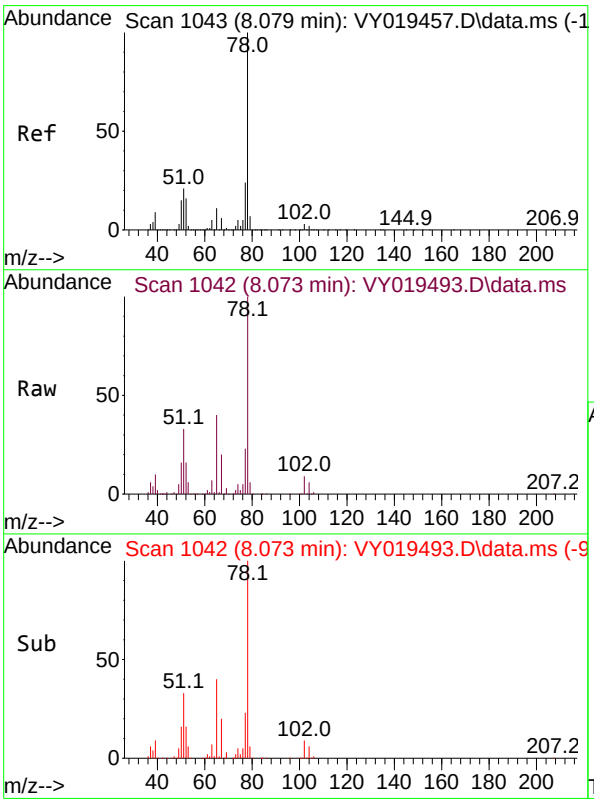
#39
Methylcyclohexane
Concen: 5.333 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 83 Resp: 27425

Ion	Ratio	Lower	Upper
83	100		
55	72.2	51.5	77.3
98	49.3	40.5	60.7

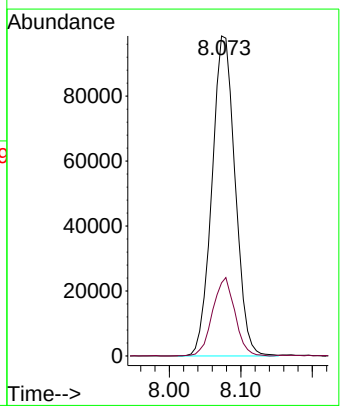


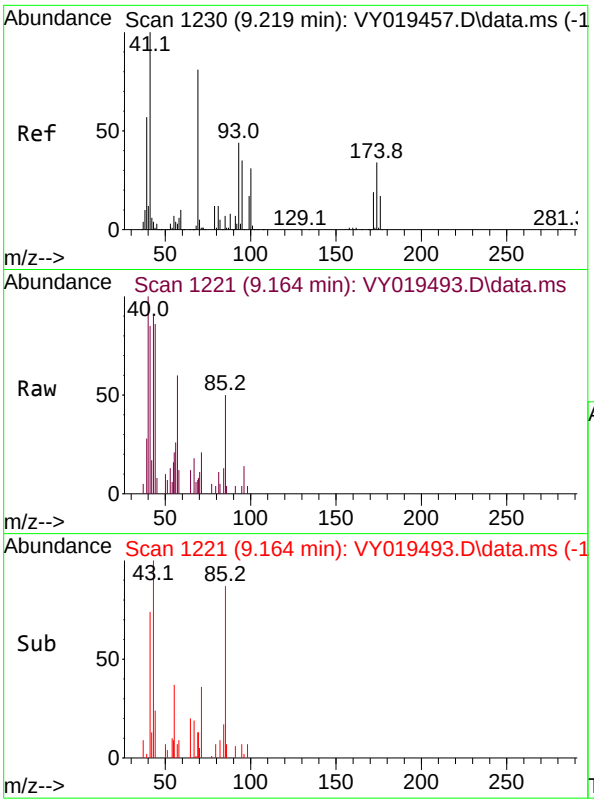


#40
Benzene
Concen: 18.640 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 78 Resp: 221841

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.5	29.3



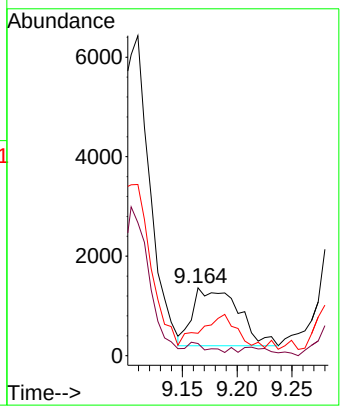


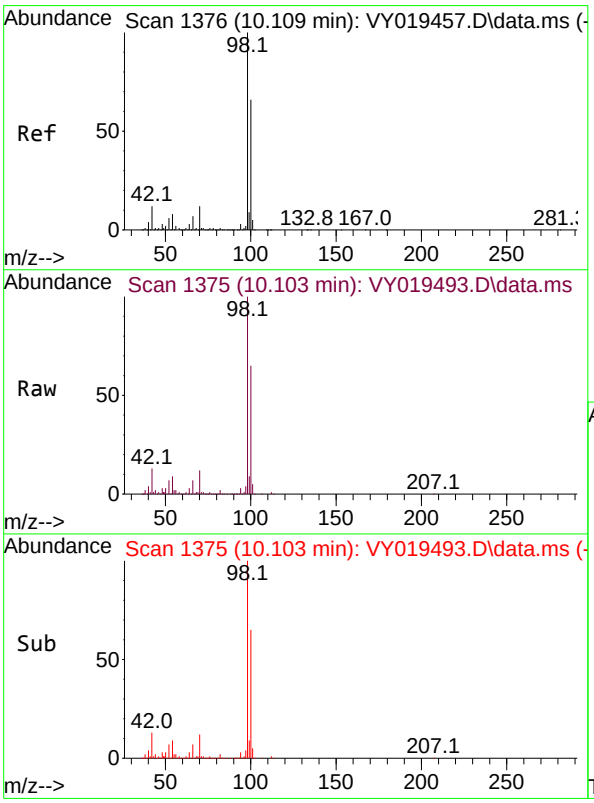
#48
Methyl methacrylate
Concen: 1.704 ug/l
RT: 9.164 min Scan# 1
Delta R.T. -0.055 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 41 Resp: 3347

Ion	Ratio	Lower	Upper
41	100		
69	10.5	84.1	126.1#
39	0.0	43.6	65.4#

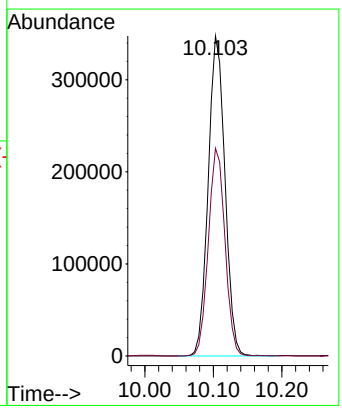


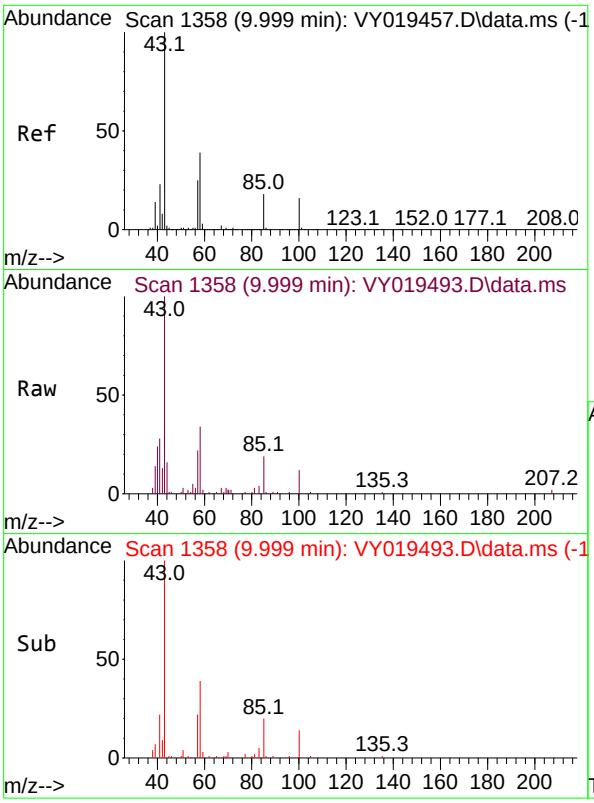


#50
Toluene-d8
Concen: 56.384 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 98 Resp: 592237

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0



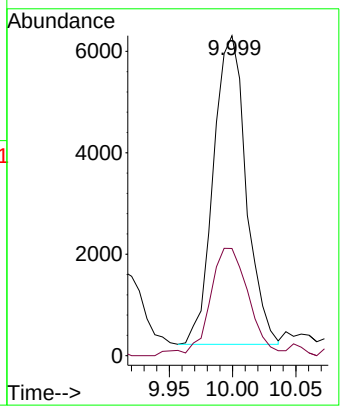


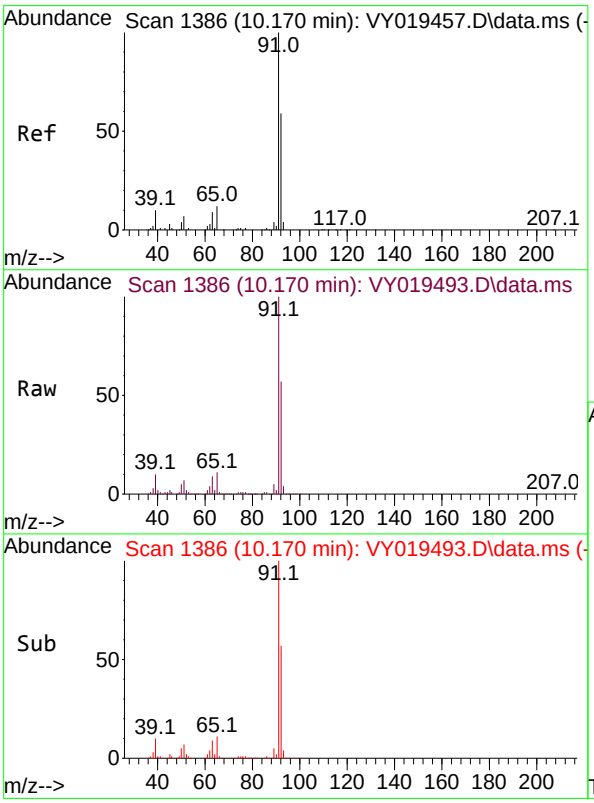
#51
4-Methyl-2-Pentanone
Concen: 5.226 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 10937

Ion	Ratio	Lower	Upper
43	100		
58	41.6	35.7	53.5

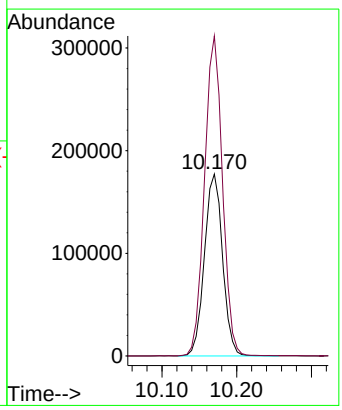


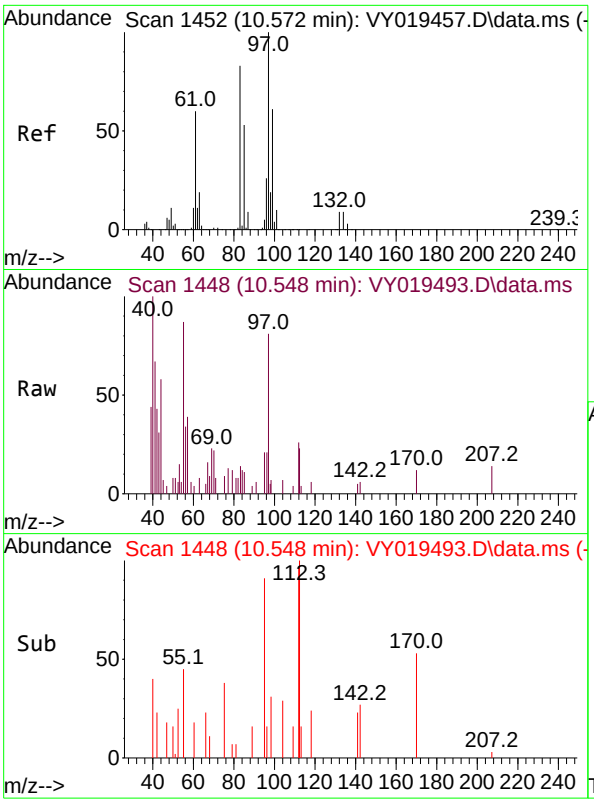


#52
Toluene
Concen: 39.060 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 92 Resp: 298978

Ion	Ratio	Lower	Upper
92	100		
91	174.1	139.0	208.6



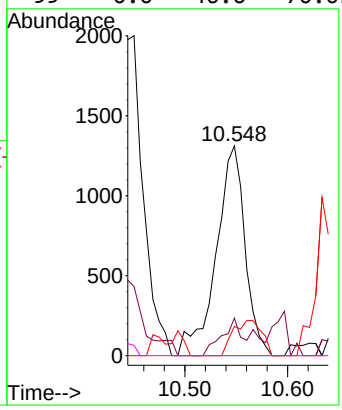


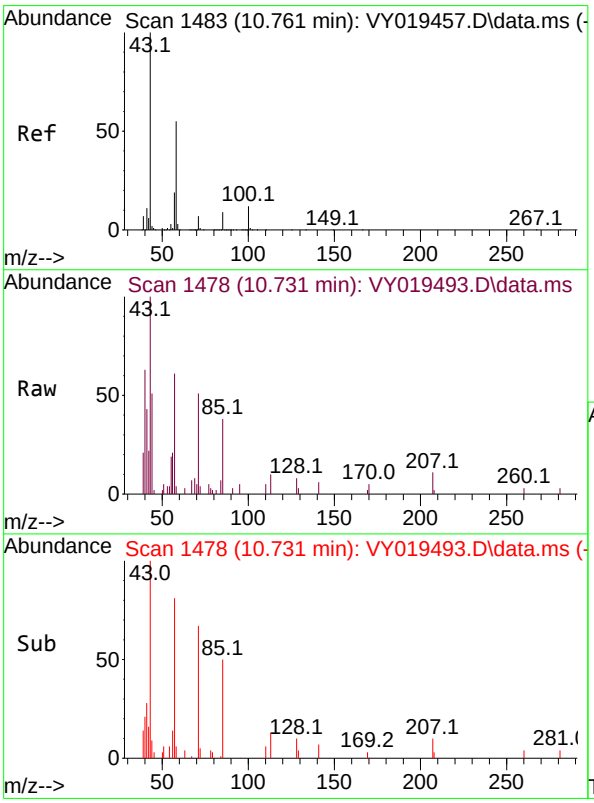
#55
1,1,2-Trichloroethane
Concen: 1.166 ug/l
RT: 10.548 min Scan# 14
Delta R.T. -0.024 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 97 Resp: 2561

Ion	Ratio	Lower	Upper
97	100		
83	17.9	67.5	101.3#
85	13.9	42.9	64.3#
99	0.0	46.6	70.0#

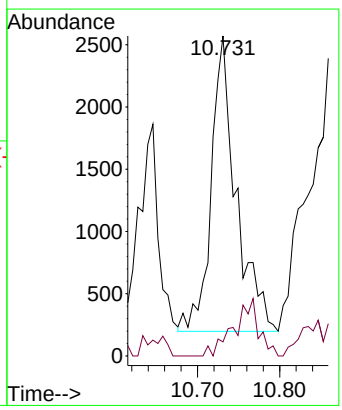


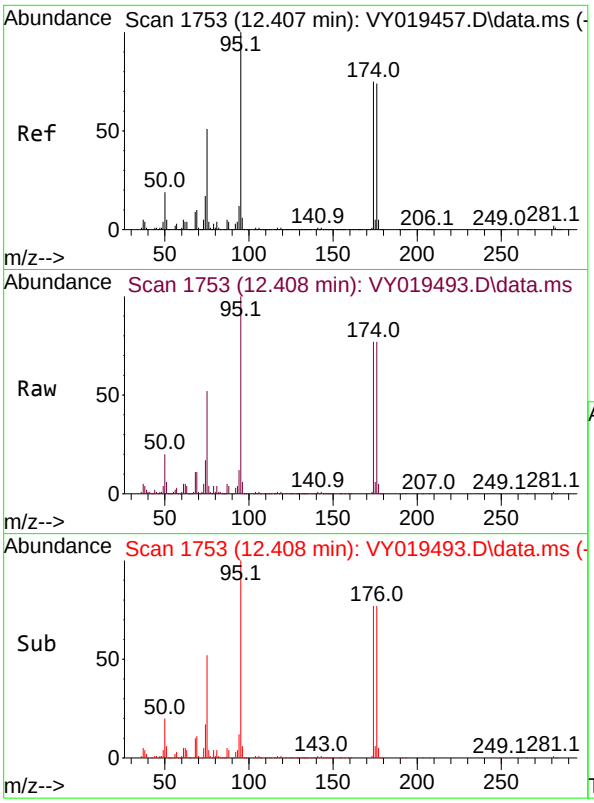


#59
2-Hexanone
Concen: 3.261 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 43 Resp: 5003

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.4	94.0#



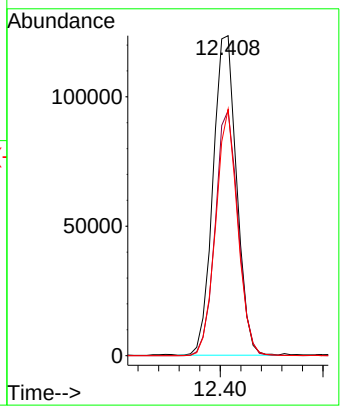


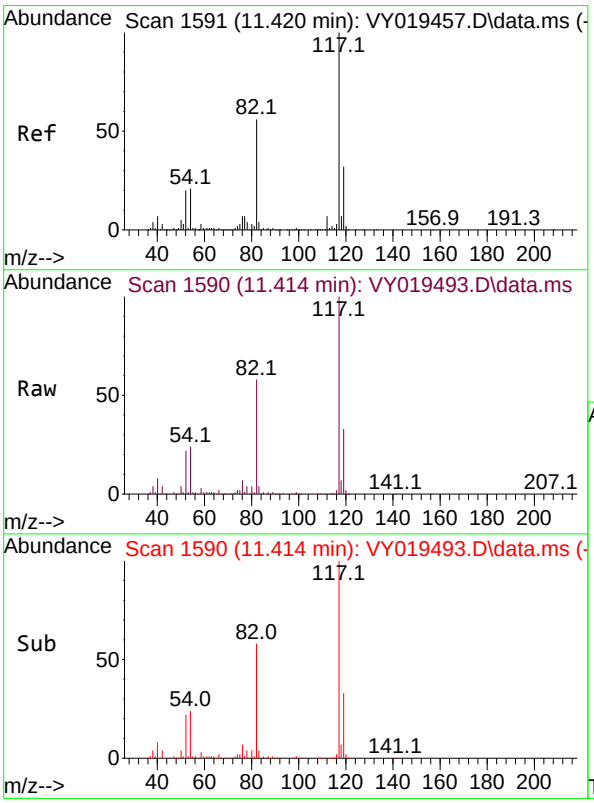
#62
4-Bromofluorobenzene
Concen: 48.692 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 95 Resp: 196653

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	175.6
176	71.7	0.0	171.4

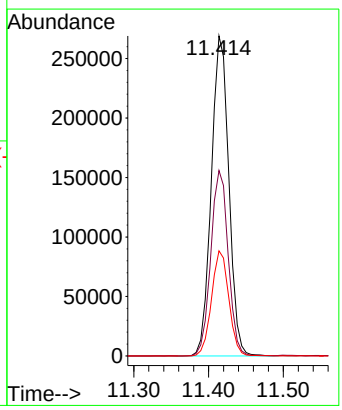


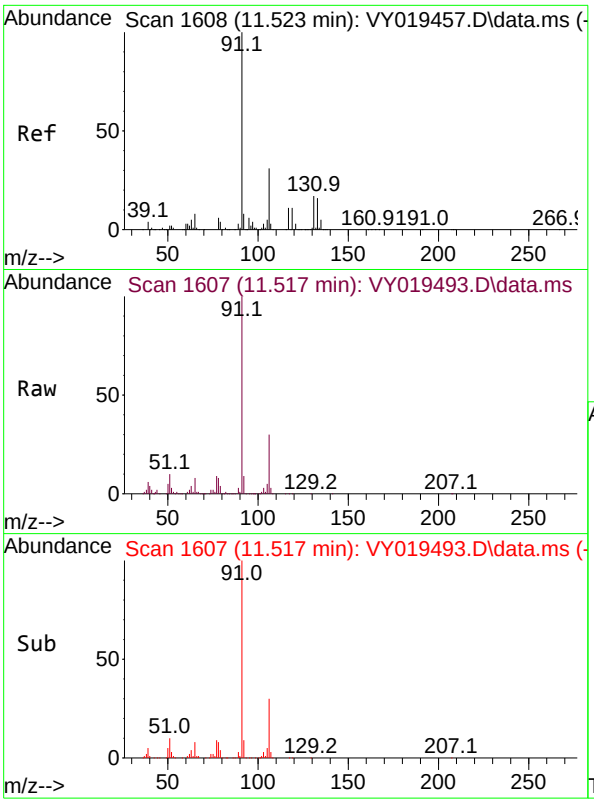


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion:117 Resp: 437171

Ion	Ratio	Lower	Upper
117	100		
82	57.9	42.4	63.6
119	32.9	25.9	38.9



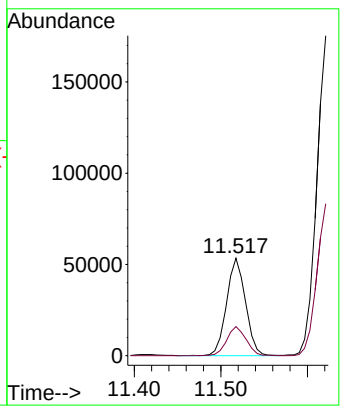


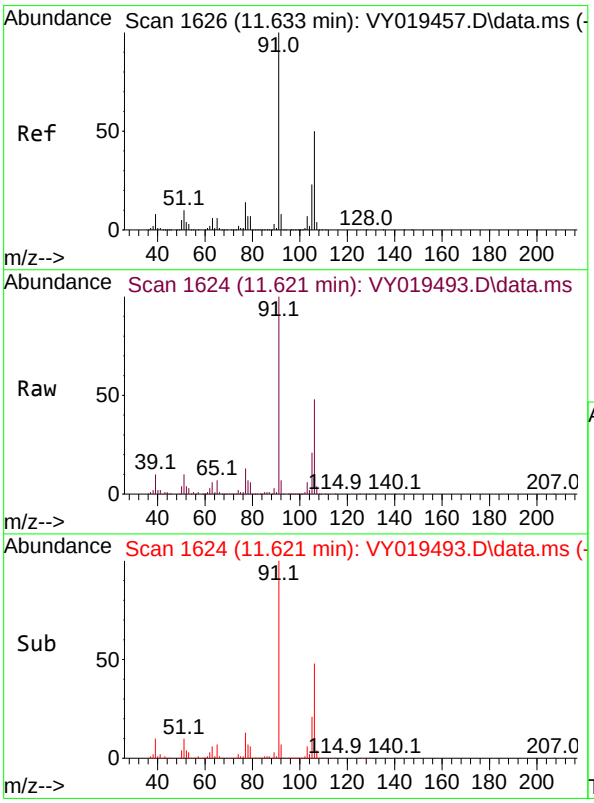
#67
Ethyl Benzene
Concen: 5.297 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 80940

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.5	36.7

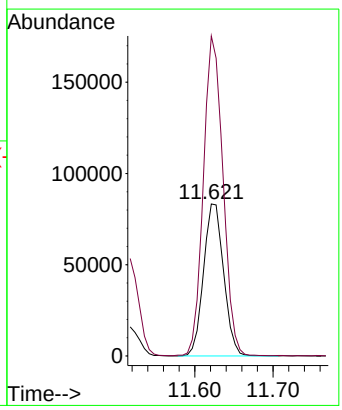


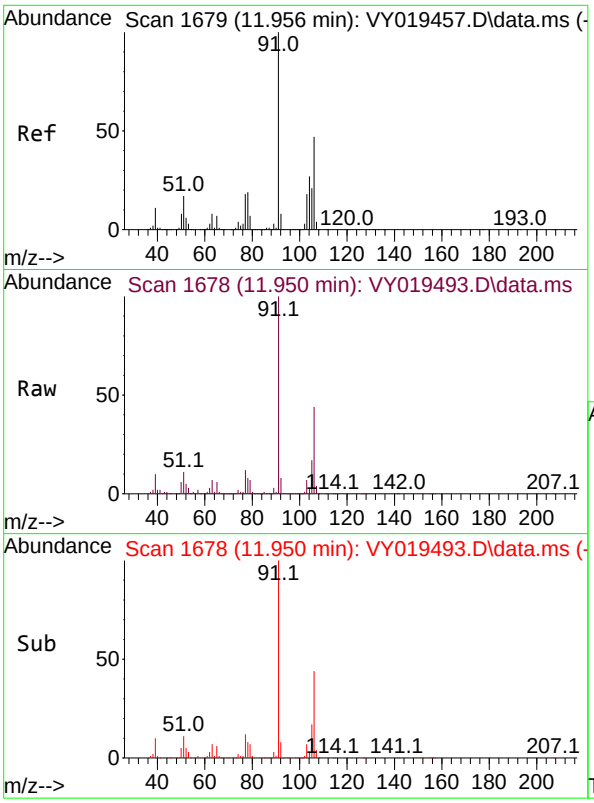


#68
m/p-Xylenes
Concen: 25.692 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion:106 Resp: 148440

Ion	Ratio	Lower	Upper
106	100		
91	205.1	156.0	234.0



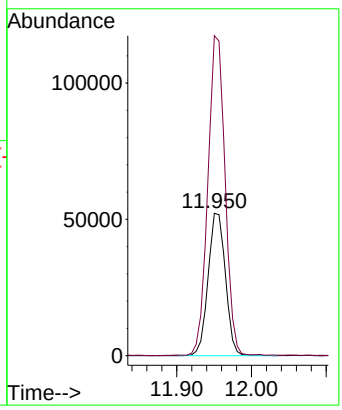


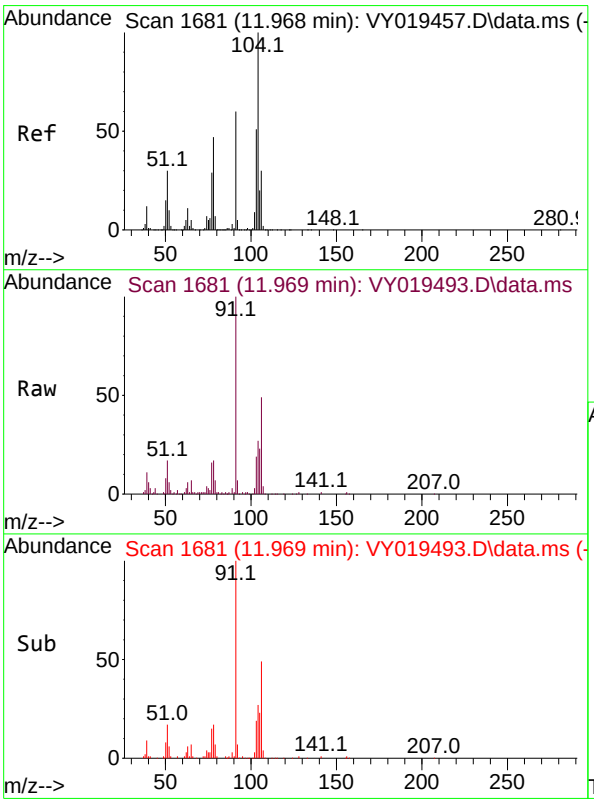
#69
o-Xylene
Concen: 14.882 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:106 Resp: 84086

Ion	Ratio	Lower	Upper
106	100		
91	224.6	103.6	310.8

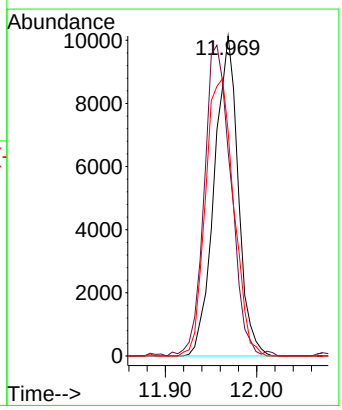


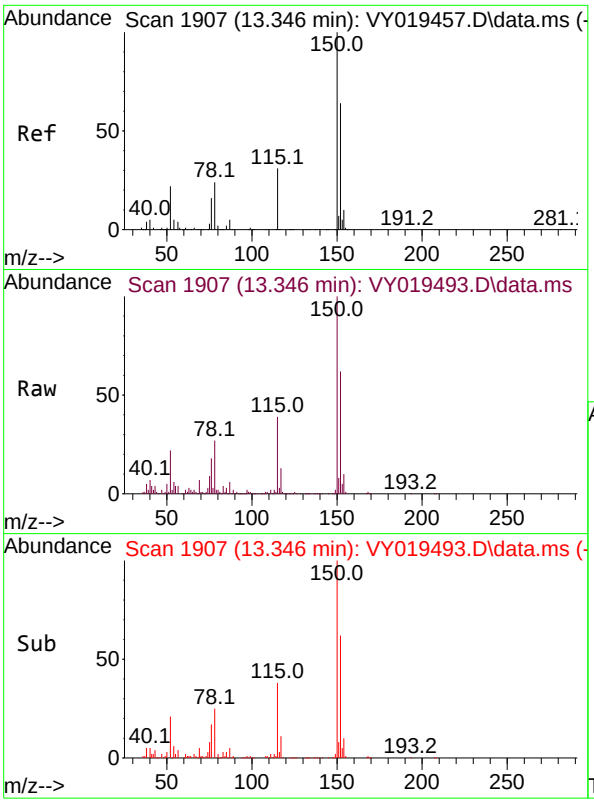


#70
Styrene
Concen: 1.925 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion:104 Resp: 18366

Ion	Ratio	Lower	Upper
104	100		
78	108.1	37.0	55.4#
103	102.7	44.2	66.2#



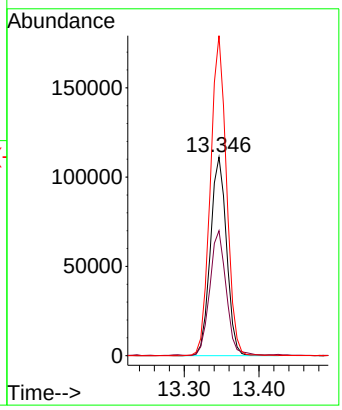


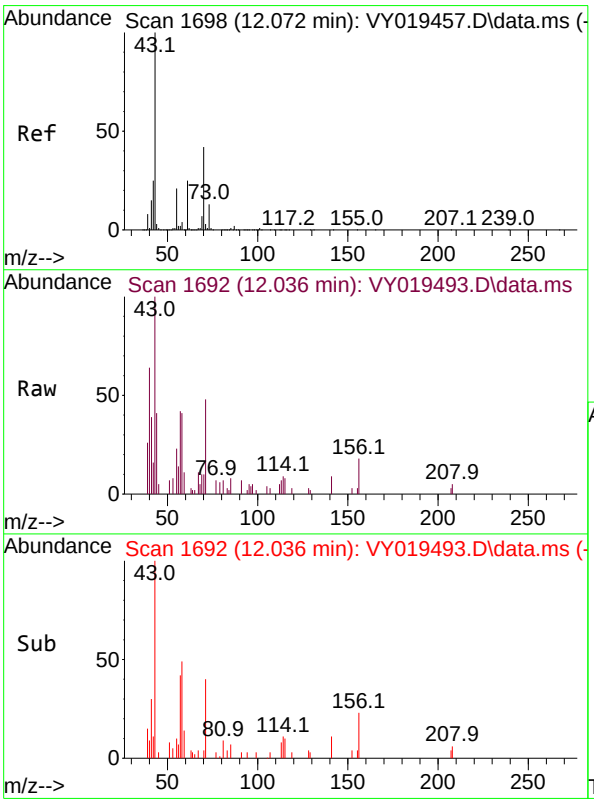
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:152 Resp: 167210

Ion	Ratio	Lower	Upper
152	100		
115	63.4	28.2	84.7
150	160.5	0.0	345.6

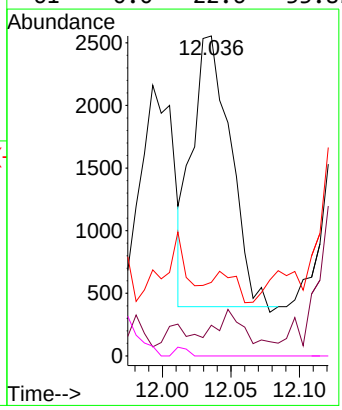


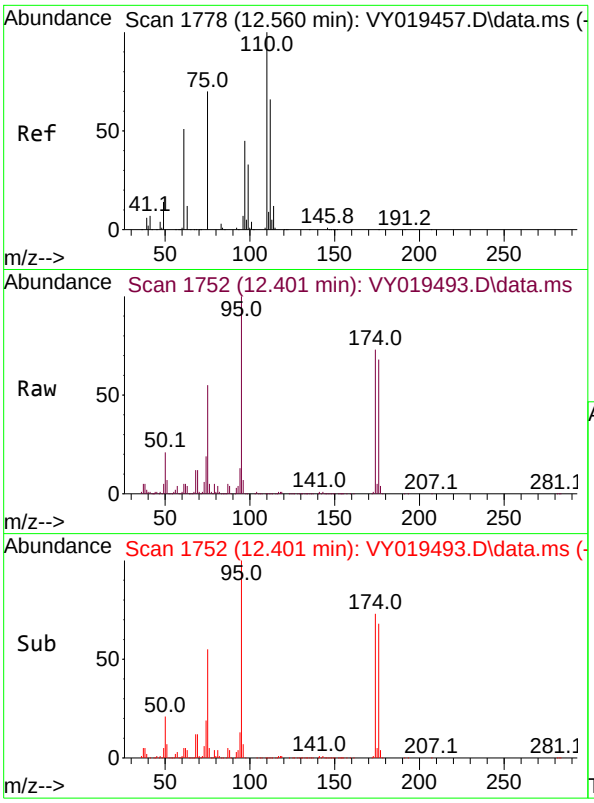


#74
N-amyl acetate
Concen: 1.272 ug/l
RT: 12.036 min Scan# 1692
Delta R.T. -0.036 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 43 Resp: 4197

Ion	Ratio	Lower	Upper
43	100		
70	7.3	41.4	62.2#
55	8.3	23.3	34.9#
61	0.0	22.6	33.8#



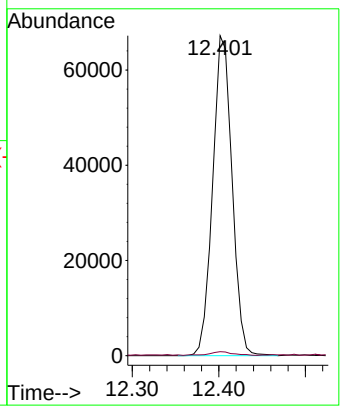


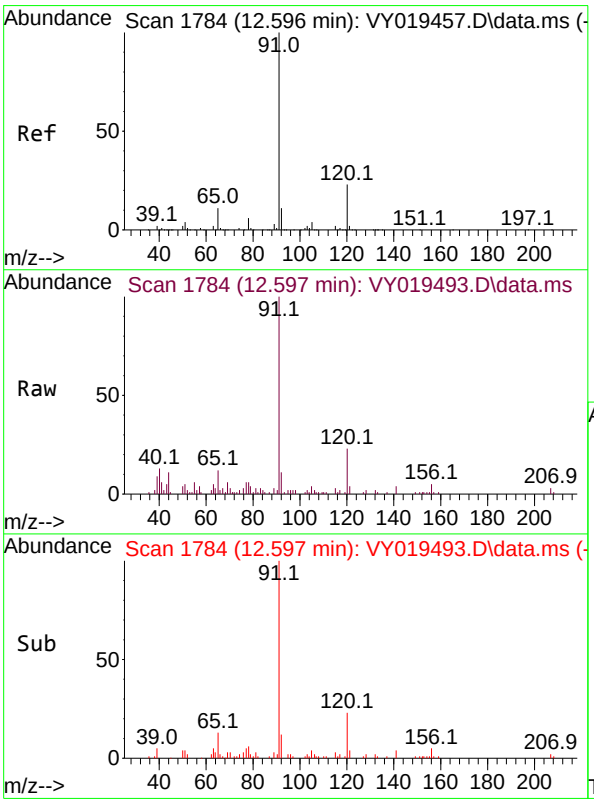
#76
1,2,3-Trichloropropane
Concen: 66.671 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.158 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 104490

Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

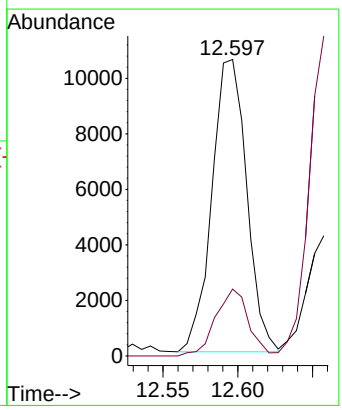


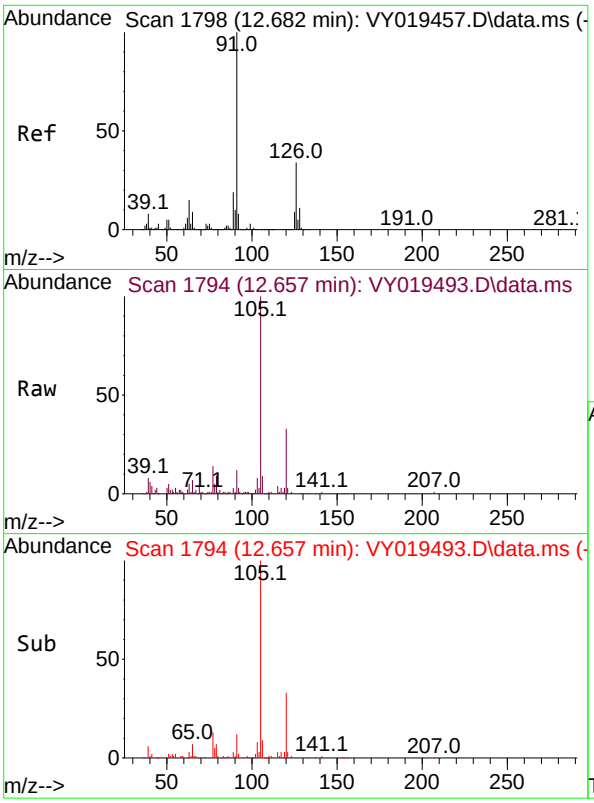


#78
n-propylbenzene
Concen: 1.185 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 91 Resp: 17039

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.5	34.4



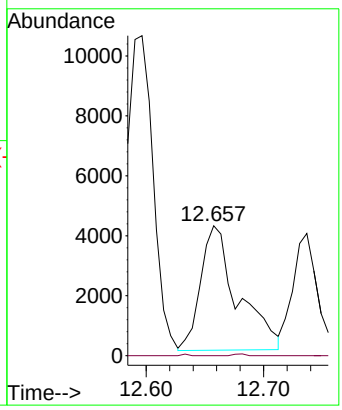


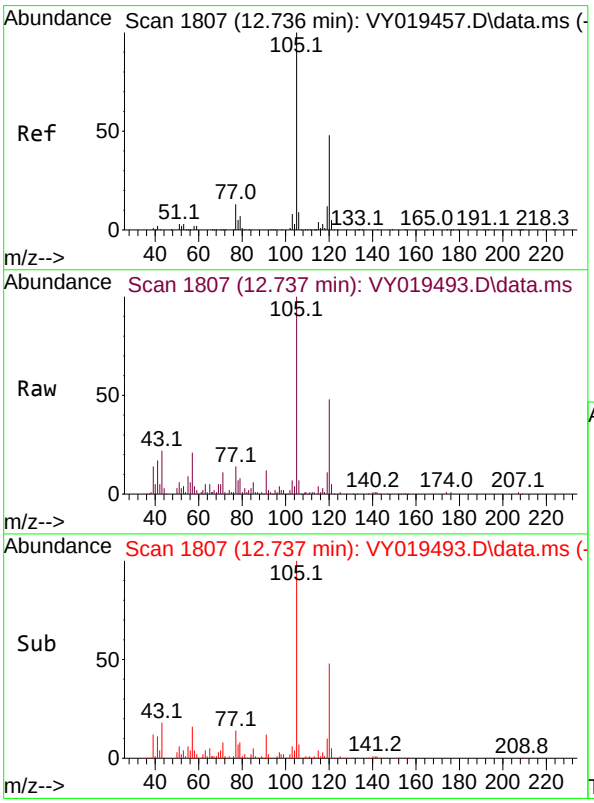
#79
2-Chlorotoluene
Concen: 1.091 ug/l
RT: 12.657 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 9140

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.8	53.5#

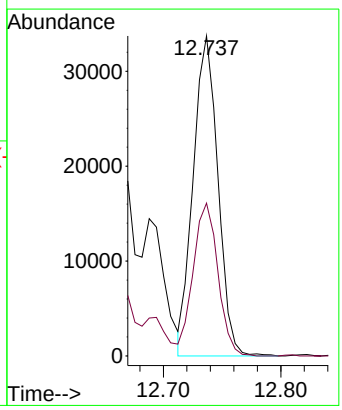


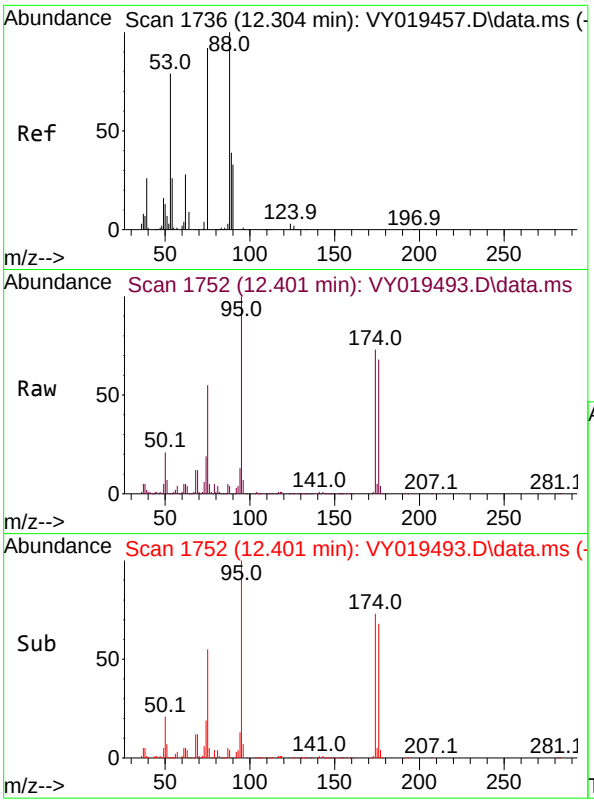


#80
1,3,5-Trimethylbenzene
Concen: 5.001 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion:105 Resp: 49322

Ion	Ratio	Lower	Upper
105	100		
120	47.8	25.1	75.2



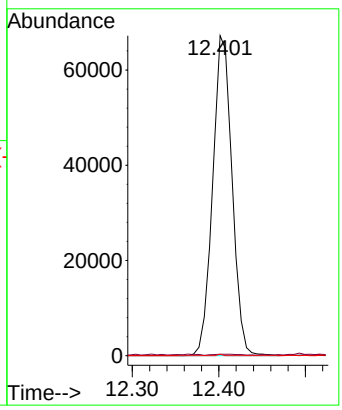


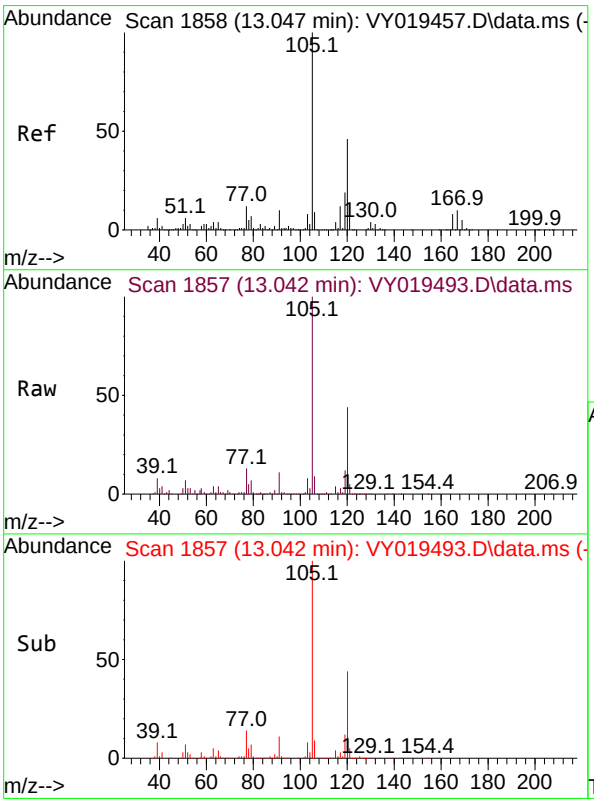
#81
trans-1,4-Dichloro-2-butene
Concen: 127.989 ug/l
RT: 12.401 min Scan# 1
Delta R.T. 0.098 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 104490

Ion	Ratio	Lower	Upper
75	100		
53	0.6	66.8	100.2#
89	0.1	35.8	53.6#

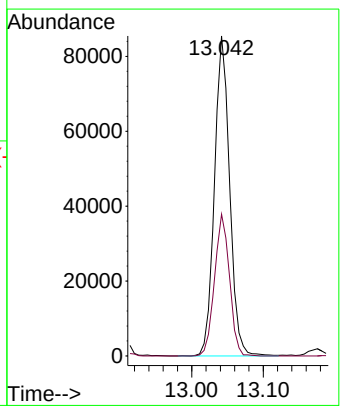


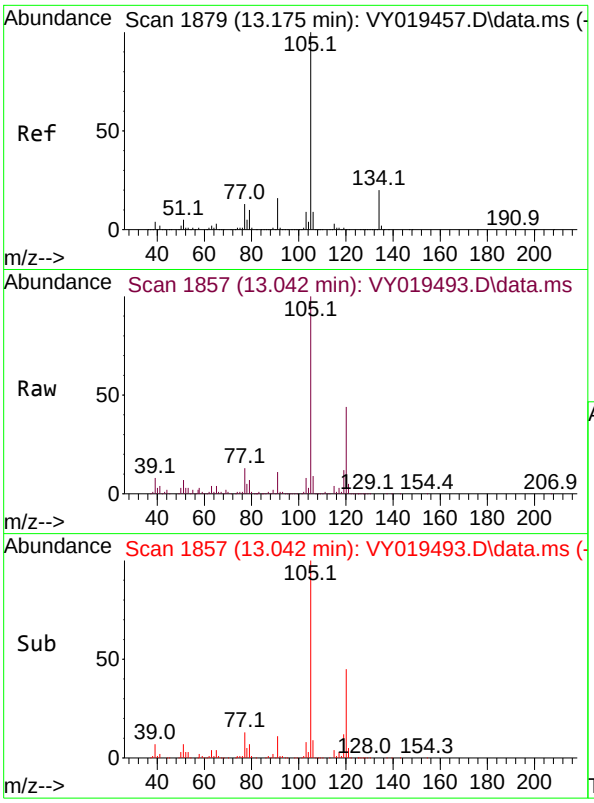


#84
1,2,4-Trimethylbenzene
Concen: 12.920 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion:105 Resp: 126126

Ion	Ratio	Lower	Upper
105	100		
120	43.5	23.2	69.6



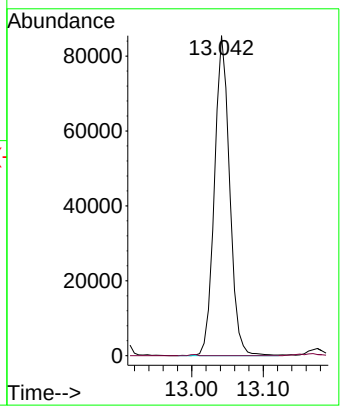


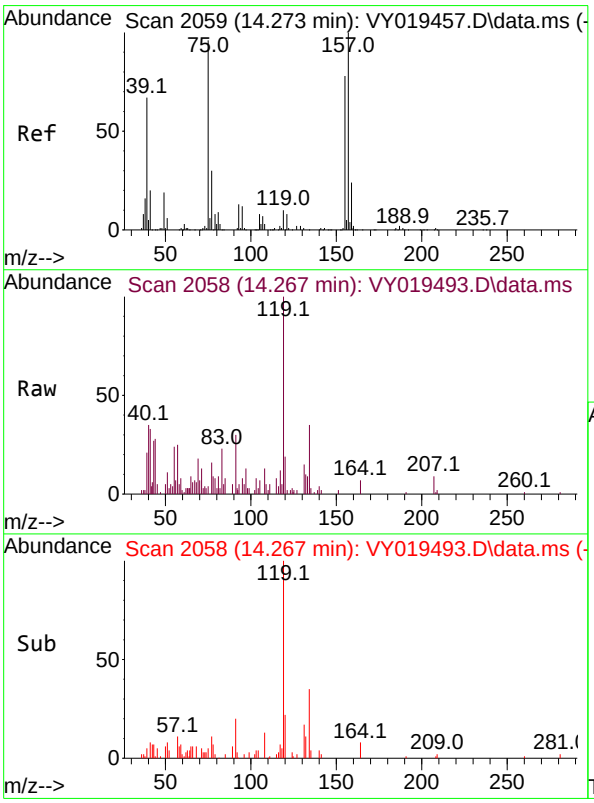
#85
sec-Butylbenzene
Concen: 9.725 ug/l
RT: 13.042 min Scan# 1
Delta R.T. -0.134 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 126126

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.1	30.1#

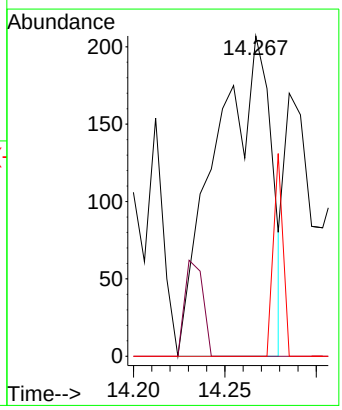


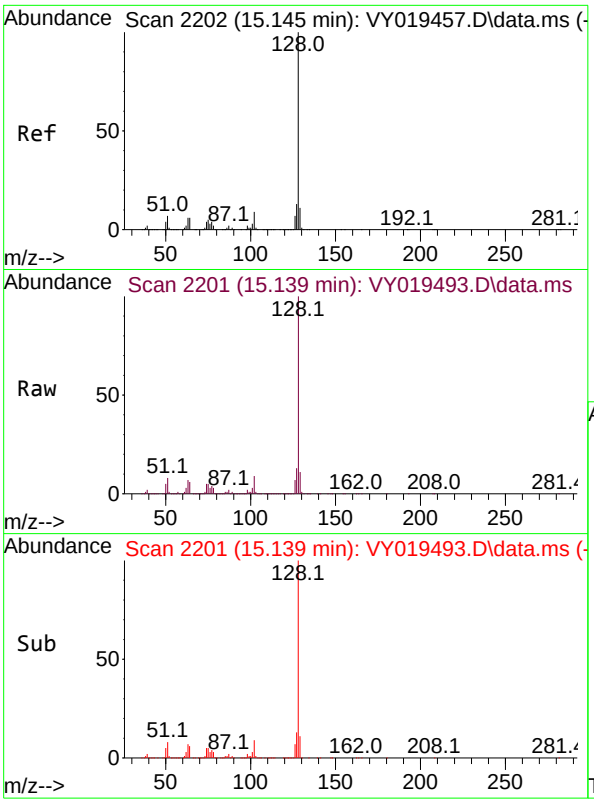


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.226 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Tgt Ion: 75 Resp: 440

Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.6	145.8#
157	10.9	62.7	188.2#





#95
Naphthalene
Concen: 215.069 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY019493.D
Acq: 10 Sep 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 1222017

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.7	8.6	13.0