Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
Data File : VY015814.D
Acq On : 03 Oct 2023 18:30
Operator : SY/MD
Sample : 04704-02
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 04 01:14:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	172893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	297165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104867	55.126	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.260%			
35) Dibromofluoromethane	7.710	113	92812	52.182	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.360%			
50) Toluene-d8	10.179	98	349804	58.004	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.000%			
62) 4-Bromofluorobenzene	12.477	95	113153	47.811	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.620%			
Target Compounds						Qvalue
5) Bromomethane	2.656	94	181	2.662	ug/l #	56
11) Tert butyl alcohol	4.978	59	3299	Below Cal	#	81
13) Acrolein	3.729	56	1495	5.132	ug/l	99
16) Acetone	3.954	43	76587	75.231	ug/l	96
17) Carbon Disulfide	4.186	76	88910	30.089	ug/l	99
20) Methylene Chloride	4.704	84	45720	17.346	ug/l	93
25) 2-Butanone	6.990	43	23218	16.135	ug/l	91
31) Cyclohexane	7.789	56	5162	1.959	ug/l #	23
36) 1,1-Dichloropropene	7.783	75	12901	4.906	ug/l #	50
37) Ethyl Acetate	6.990	43	23218	8.851	ug/l #	73
38) Carbon Tetrachloride	7.783	117	17361	6.082	ug/l #	15
39) Methylcyclohexane	9.179	83	7196	2.474	ug/l	96
40) Benzene	8.155	78	113904	14.203	ug/l	99
52) Toluene	10.240	92	30644	5.927	ug/l	94
67) Ethyl Benzene	11.587	91	193659	19.071	ug/l	98
68) m/p-Xylenes	11.697	106	63193	16.373	ug/l	95
69) o-Xylene	12.026	106	81828	21.621	ug/l	99
70) Styrene	12.038	104	24170	3.731	ug/l #	55
73) Isopropylbenzene	12.325	105	44354	5.478	ug/l	100
76) 1,2,3-Trichloropropane	12.477	75	60887	35.364	ug/l #	100
78) n-propylbenzene	12.666	91	19627	1.995	ug/l	98
79) 2-Chlorotoluene	12.733	91	13090	2.335	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.806	105	80688	11.905	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	60887	79.635	ug/l #	11
82) 4-Chlorotoluene	12.806	91	9328	1.594	ug/l #	40
83) tert-Butylbenzene	13.117	119	33075	5.572	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.117	105	265170	39.101	ug/l	98
85) sec-Butylbenzene	13.117	105	265170	29.849	ug/l #	56
86) p-Isopropyltoluene	13.367	119	40361	5.439	ug/l	98
89) n-Butylbenzene	13.623	91	158165	22.508	ug/l #	45
90) Hexachloroethane	13.971	117	11991	8.372	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.330	75	1332	2.976	ug/l #	5
95) Naphthalene	15.233	128	6486855	1085.761	ug/l	99

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

Instrument :
MSVOA_Y
ClientSampleId :

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
Data File : VY015814.D
Acq On : 03 Oct 2023 18:30
Operator : SY/MD
Sample : 04704-02
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL
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MSVOA_Y
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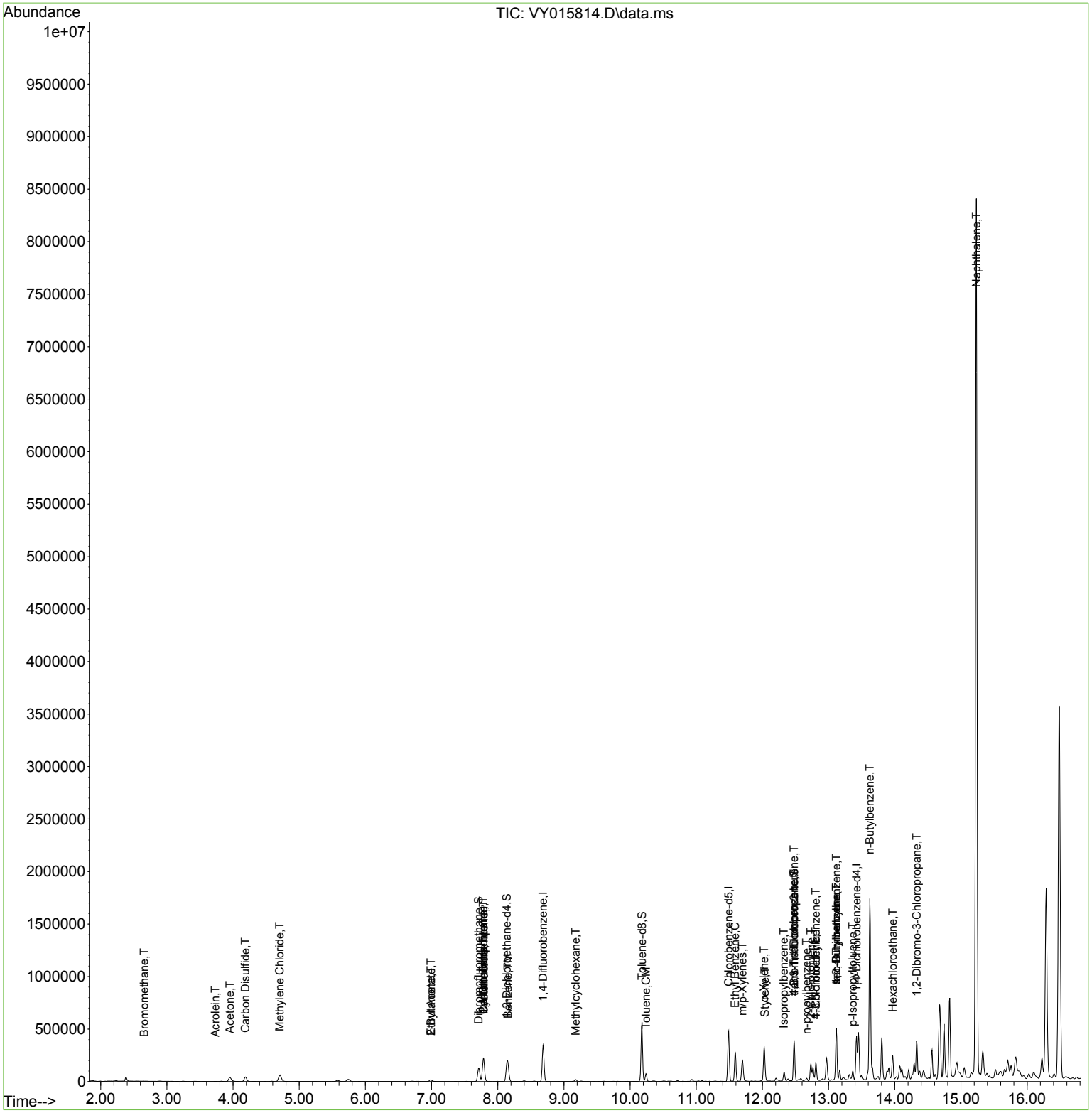
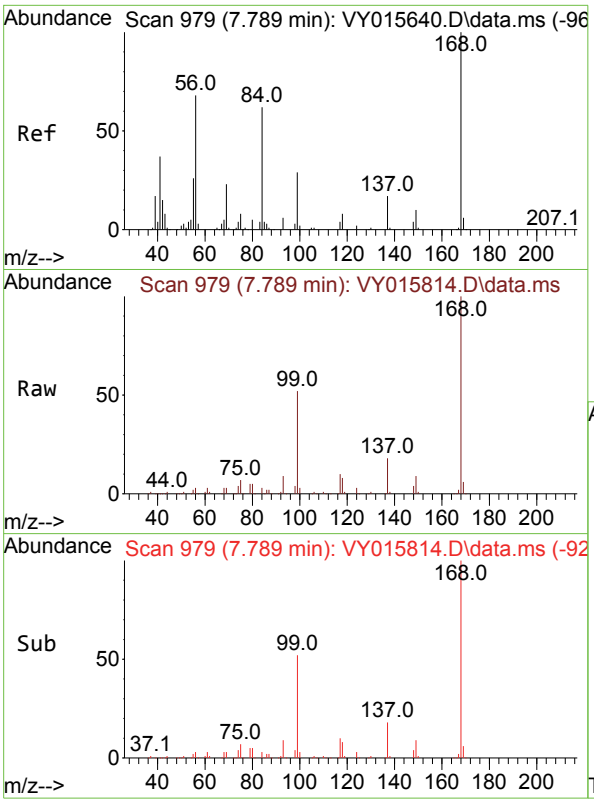
Quant Time: Oct 04 01:14:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration



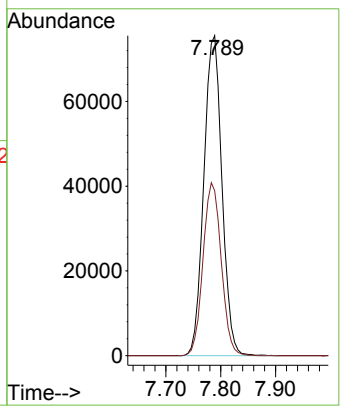


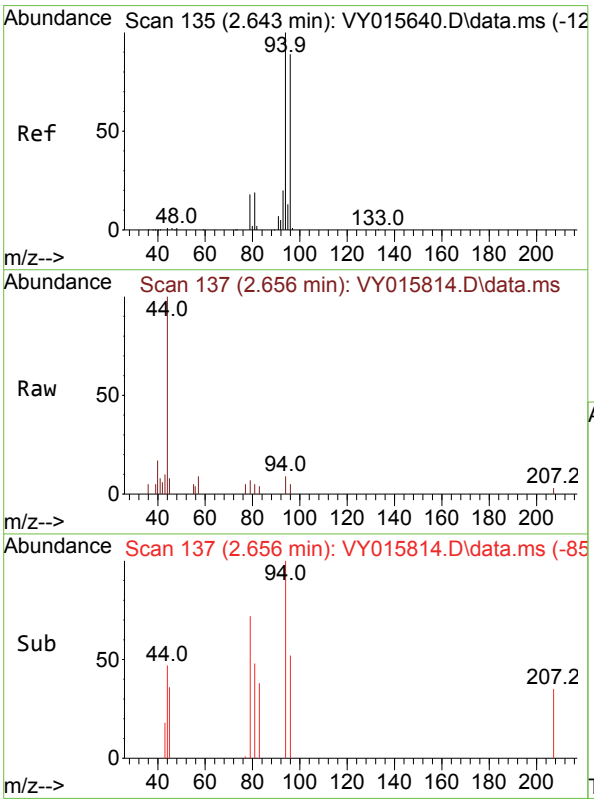
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 172893

Ion	Ratio	Lower	Upper
168	100		
99	51.5	43.4	65.0

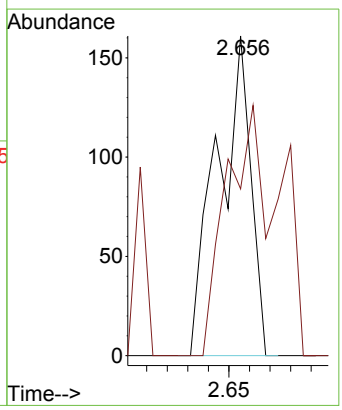


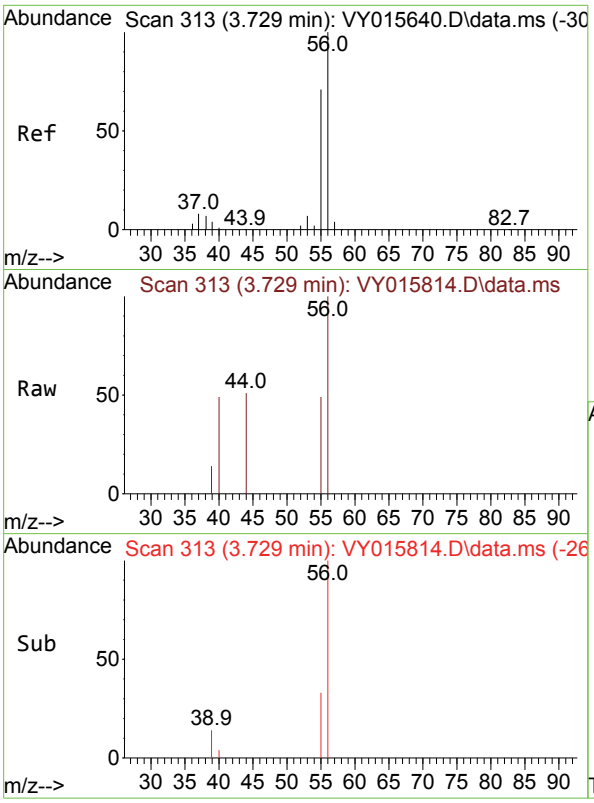


#5
Bromomethane
Concen: 2.662 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 94 Resp: 181

Ion	Ratio	Lower	Upper
94	100		
96	52.2	75.8	113.6#



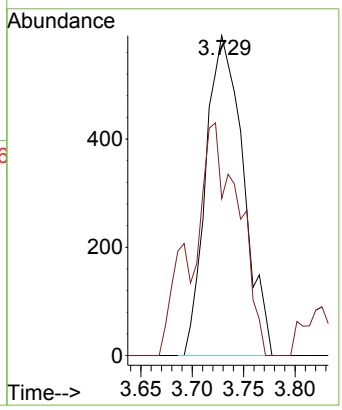


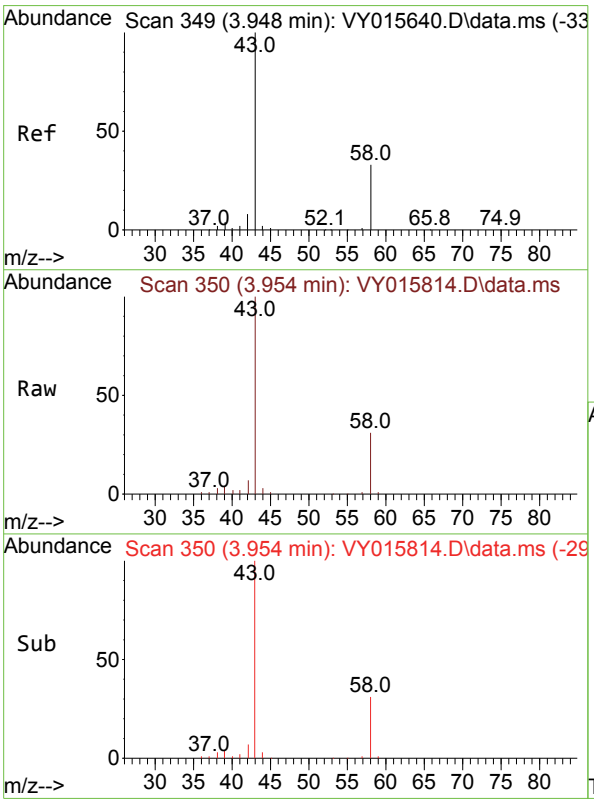
#13
Acrolein
Concen: 5.132 ug/l
RT: 3.729 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 1495

Ion	Ratio	Lower	Upper
56	100		
55	72.3	57.0	85.4

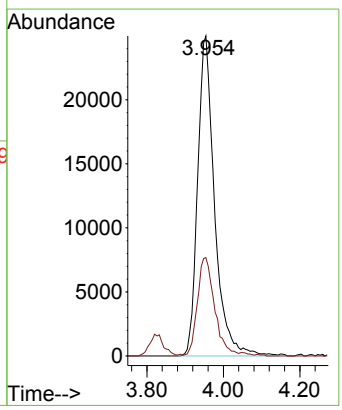


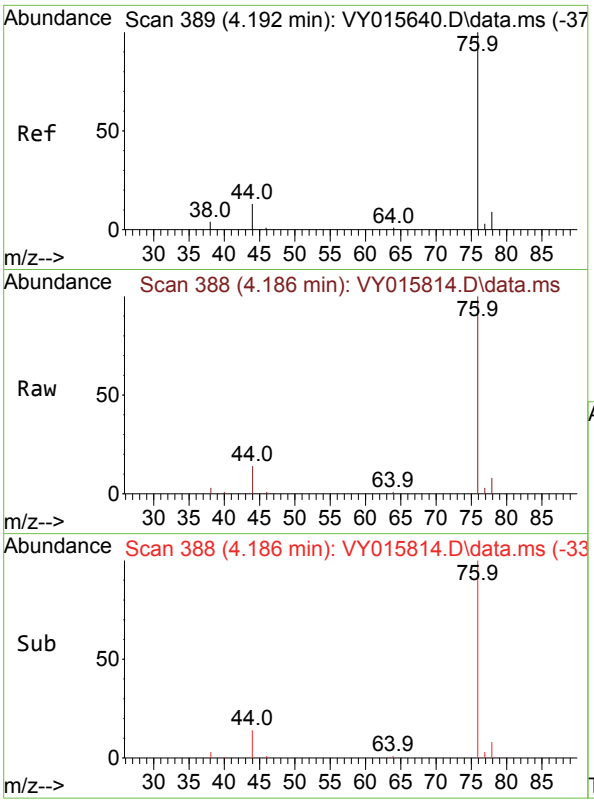


#16
Acetone
Concen: 75.231 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 43 Resp: 76587

Ion	Ratio	Lower	Upper
43	100		
58	30.8	22.7	34.1



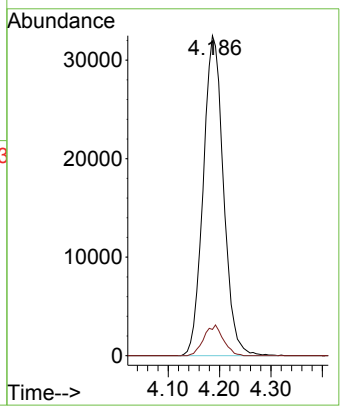


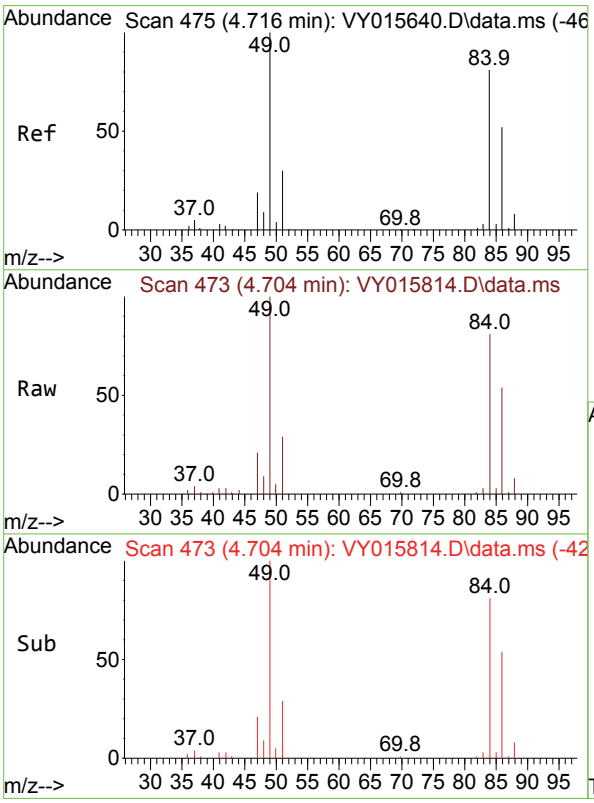
#17
Carbon Disulfide
Concen: 30.089 ug/l
RT: 4.186 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 76 Resp: 88910

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.0	10.4

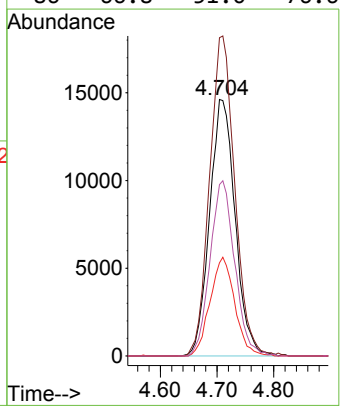


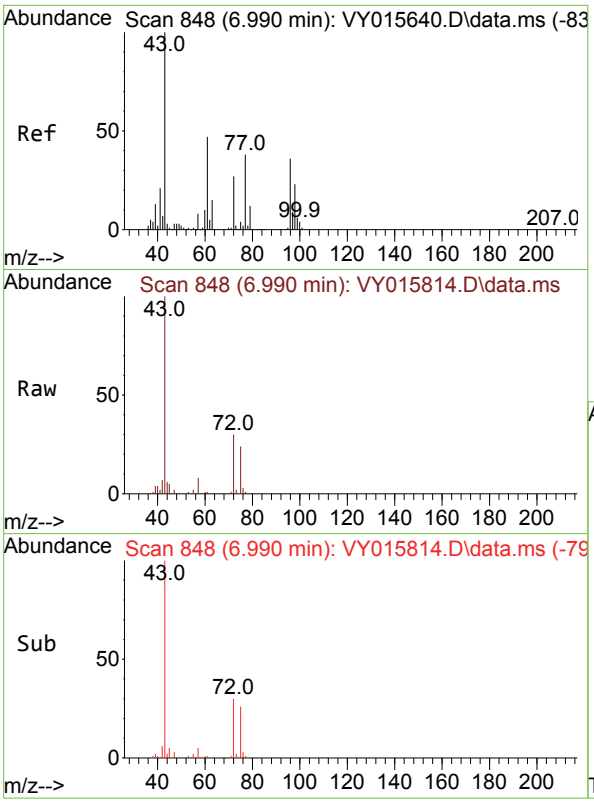


#20
Methylene Chloride
Concen: 17.346 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 84 Resp: 45720

Ion	Ratio	Lower	Upper
84	100		
49	124.0	106.9	160.3
51	36.3	33.2	49.8
86	66.8	51.0	76.6



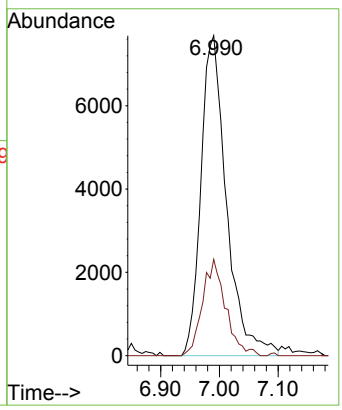


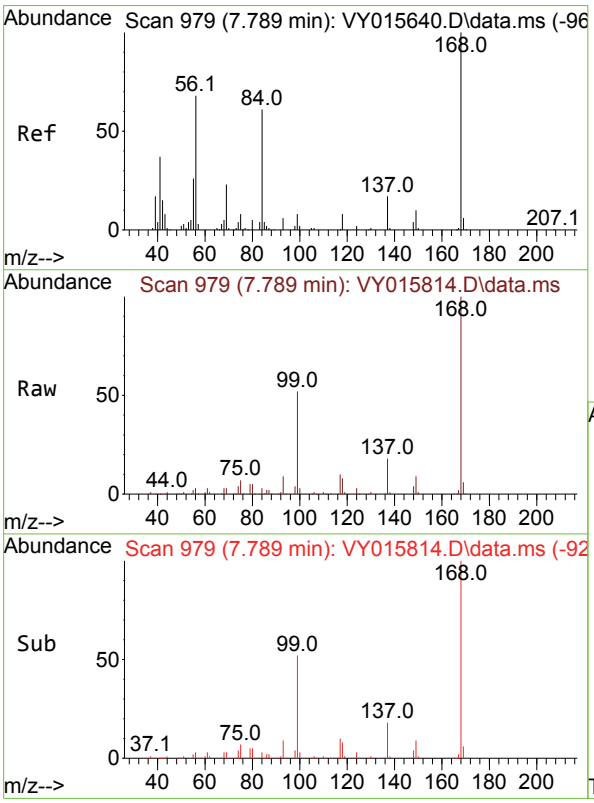
#25
2-Butanone
Concen: 16.135 ug/l
RT: 6.990 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 23218

Ion	Ratio	Lower	Upper
43	100		
72	30.1	20.5	30.7

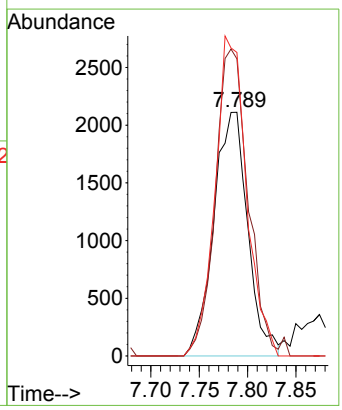


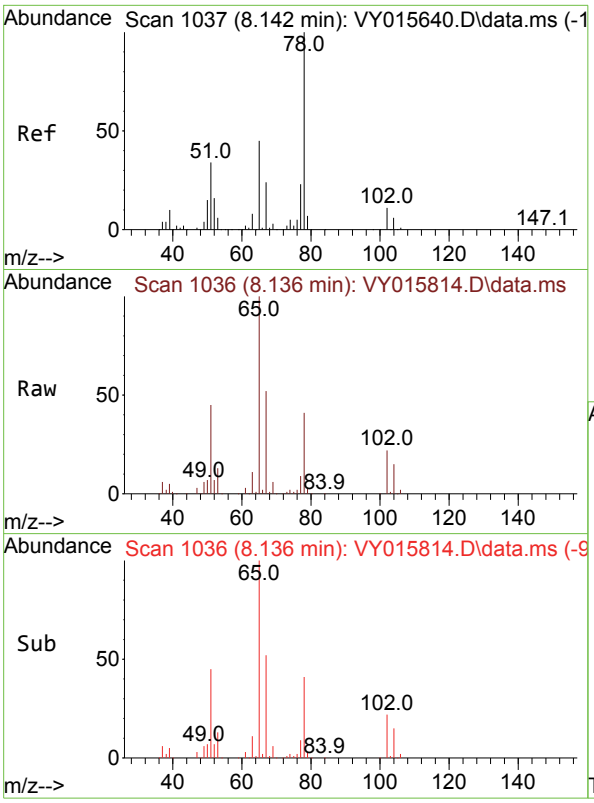


#31
Cyclohexane
Concen: 1.959 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 56 Resp: 5162

Ion	Ratio	Lower	Upper
56	100		
69	121.9	27.8	41.6#
84	124.5	66.4	99.6#



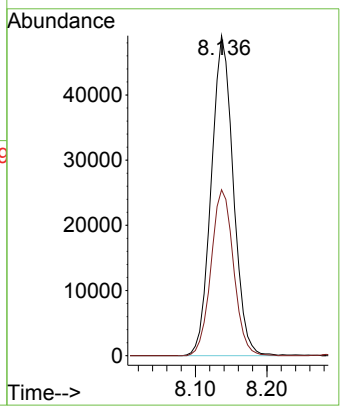


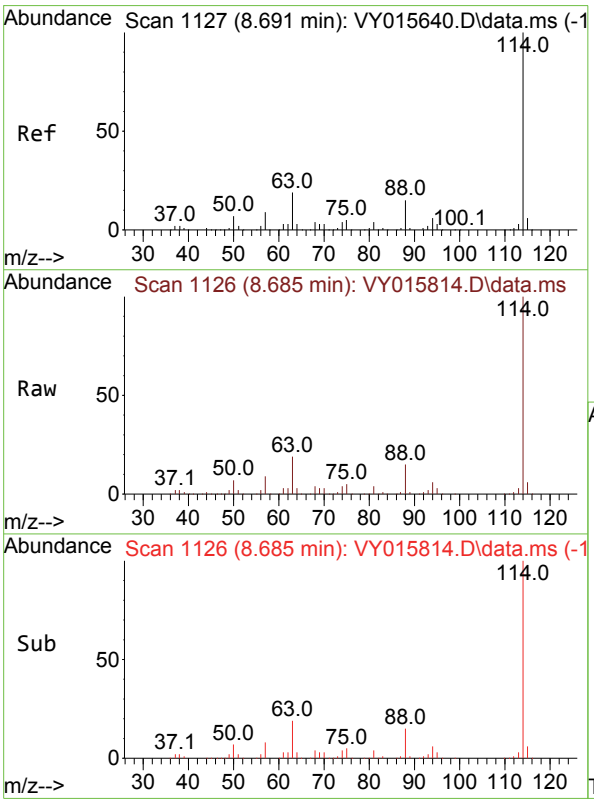
#33
1,2-Dichloroethane-d4
Concen: 55.126 ug/l
RT: 8.136 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 65 Resp: 104867

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	101.8

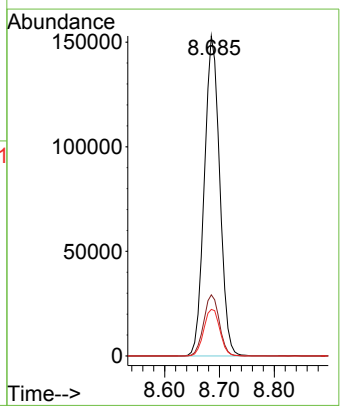


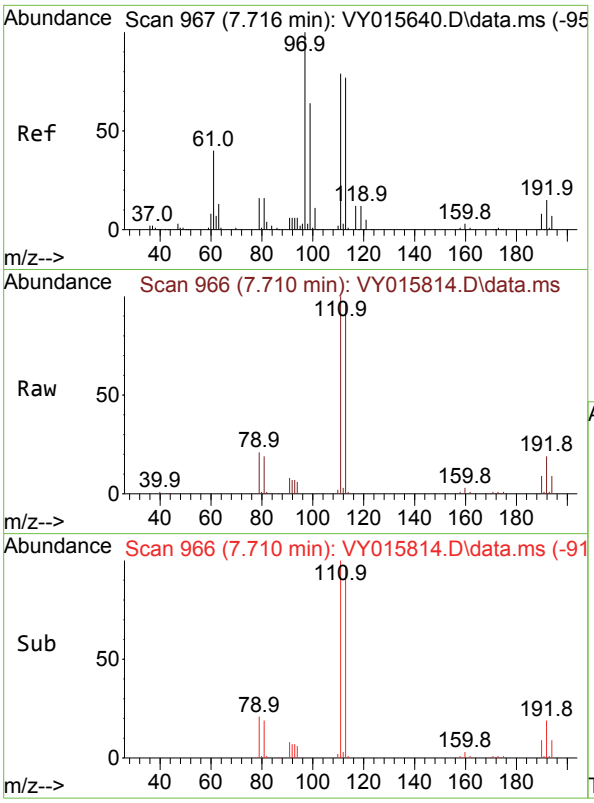


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:114 Resp: 297165

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	42.4
88	14.5	0.0	30.6



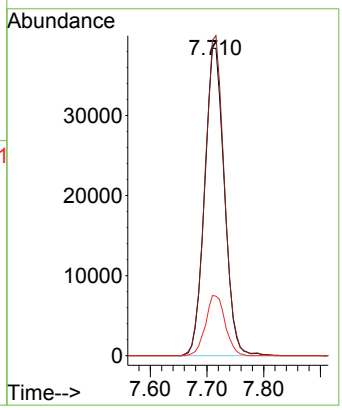


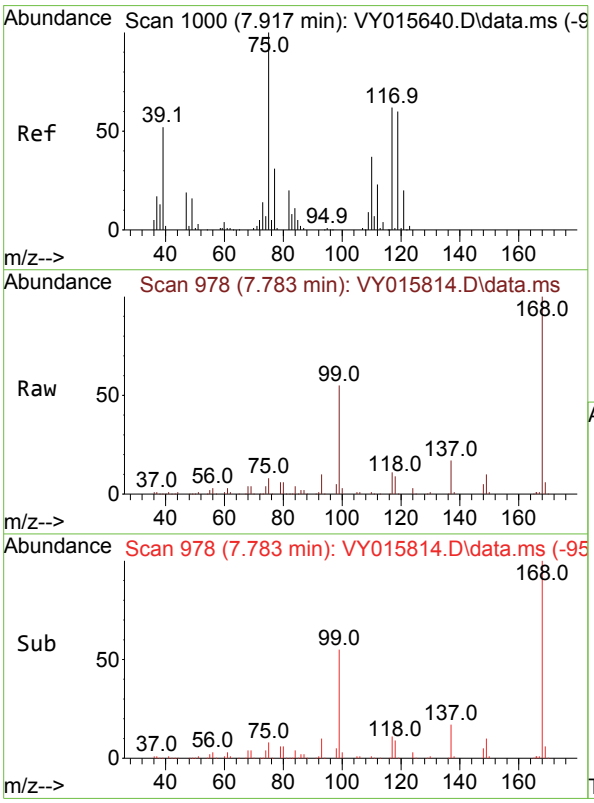
#35
Dibromofluoromethane
Concen: 52.182 ug/l
RT: 7.710 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:113 Resp: 92812

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.3	121.9
192	19.5	16.9	25.3

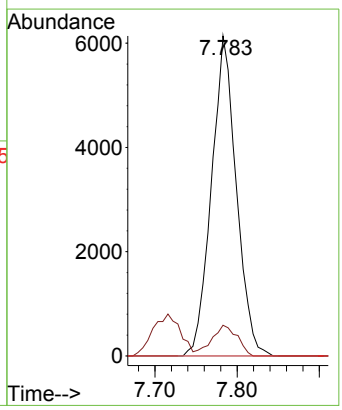


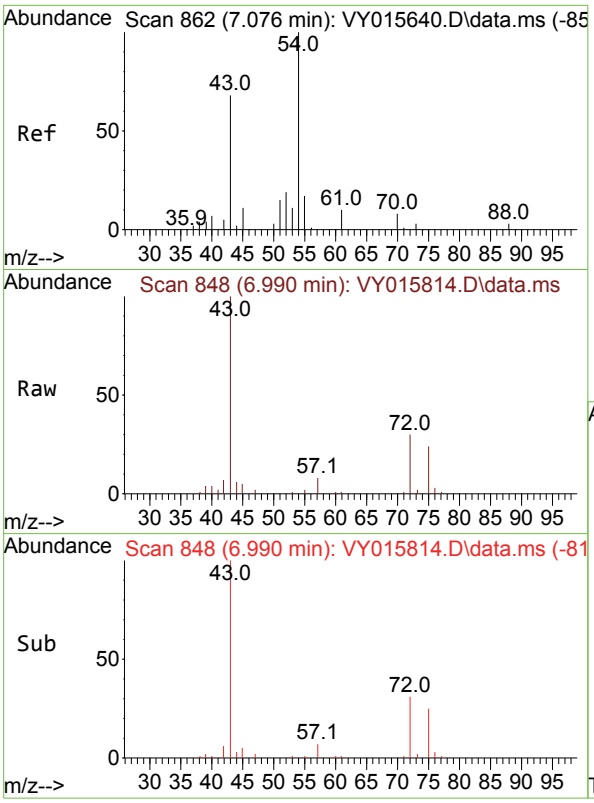


#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 75 Resp: 12901

Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.8	53.5#
77	0.0	24.4	36.6#



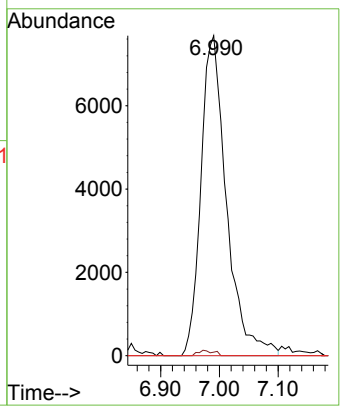


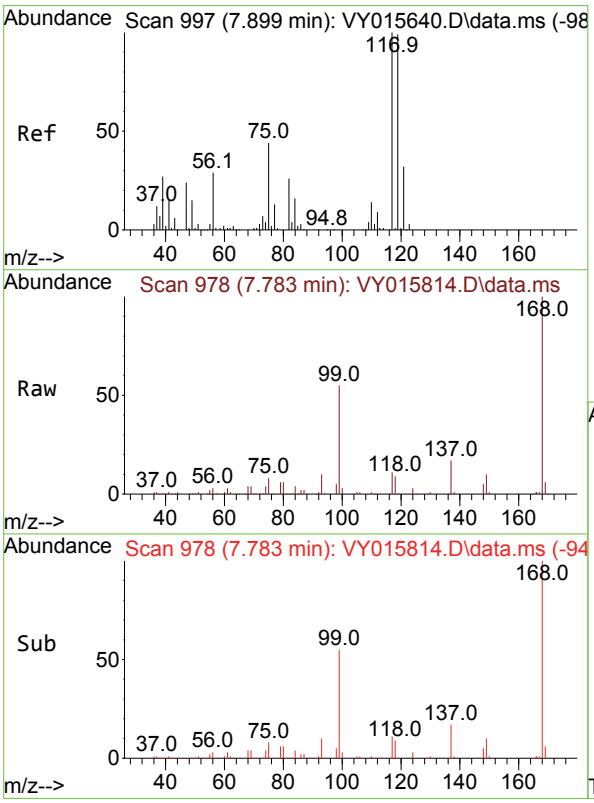
#37
Ethyl Acetate
Concen: 8.851 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.073 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 23218

Ion	Ratio	Lower	Upper
43	100		
61	1.0	10.1	15.1#
70	0.0	7.1	10.7#

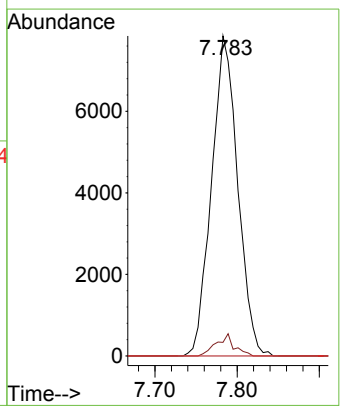


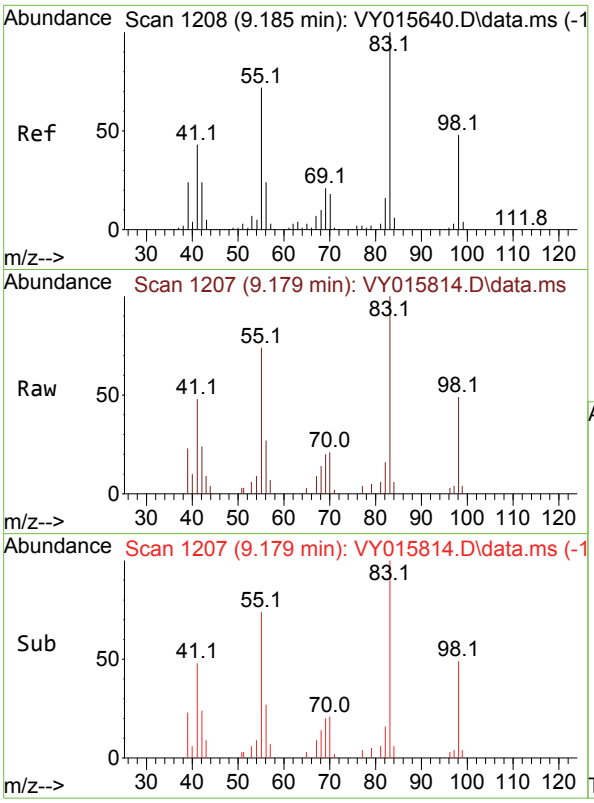


#38
Carbon Tetrachloride
Concen: 6.082 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:117 Resp: 17361

Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.4	114.6#
121	0.0	25.8	38.6#



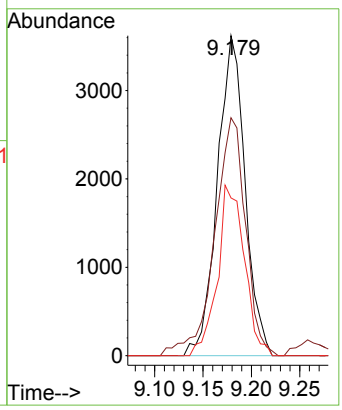


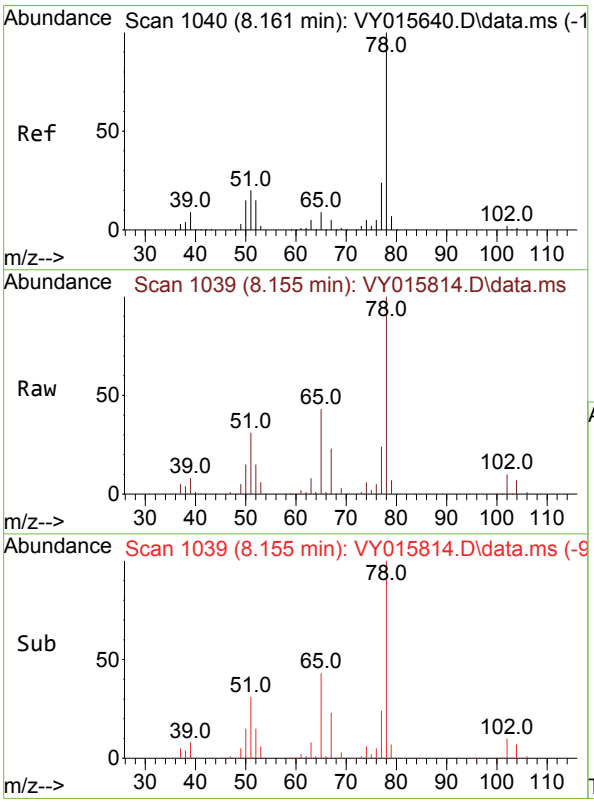
#39
Methylcyclohexane
Concen: 2.474 ug/l
RT: 9.179 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 83 Resp: 7196

Ion	Ratio	Lower	Upper
83	100		
55	74.4	63.0	94.4
98	49.3	37.4	56.2

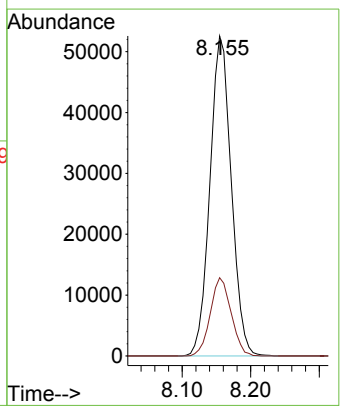


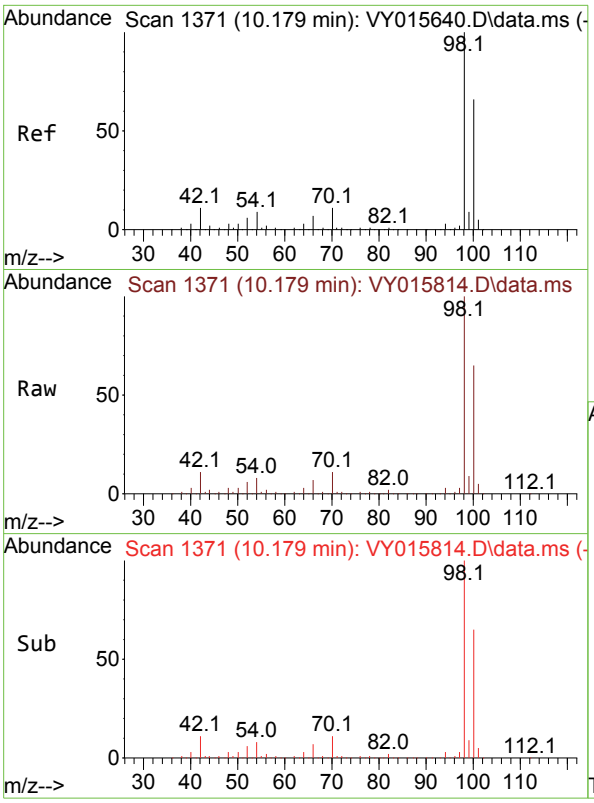


#40
Benzene
Concen: 14.203 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 78 Resp: 113904

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6



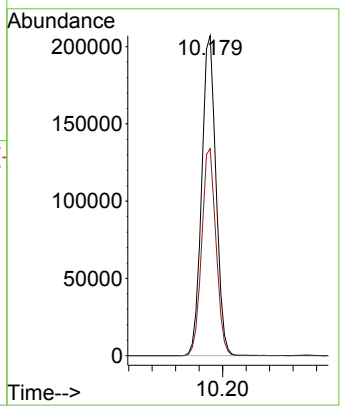


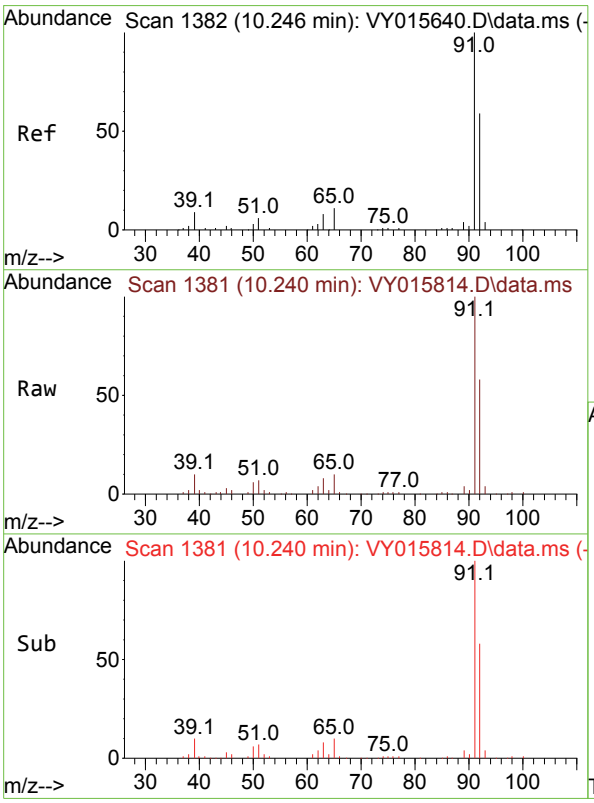
#50
Toluene-d8
Concen: 58.004 ug/l
RT: 10.179 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 98 Resp: 349804

Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.1	75.1

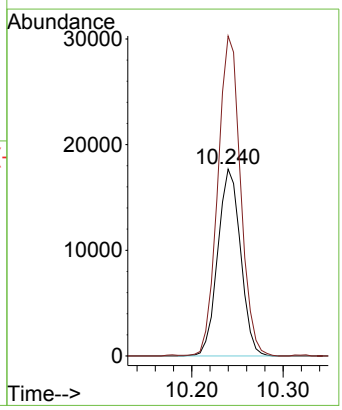


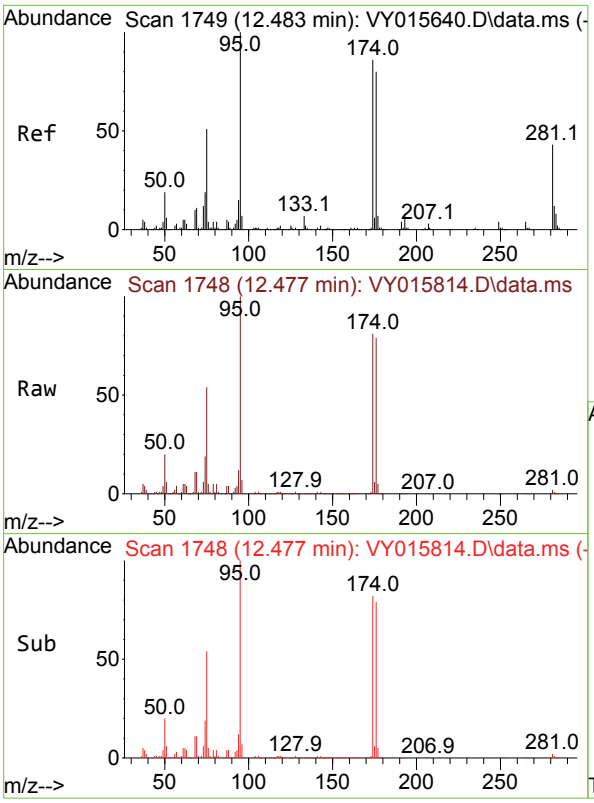


#52
Toluene
Concen: 5.927 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 92 Resp: 30644

Ion	Ratio	Lower	Upper
92	100		
91	171.1	143.8	215.6



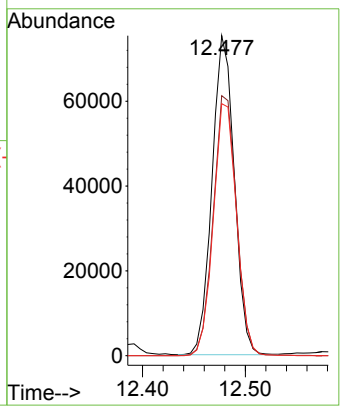


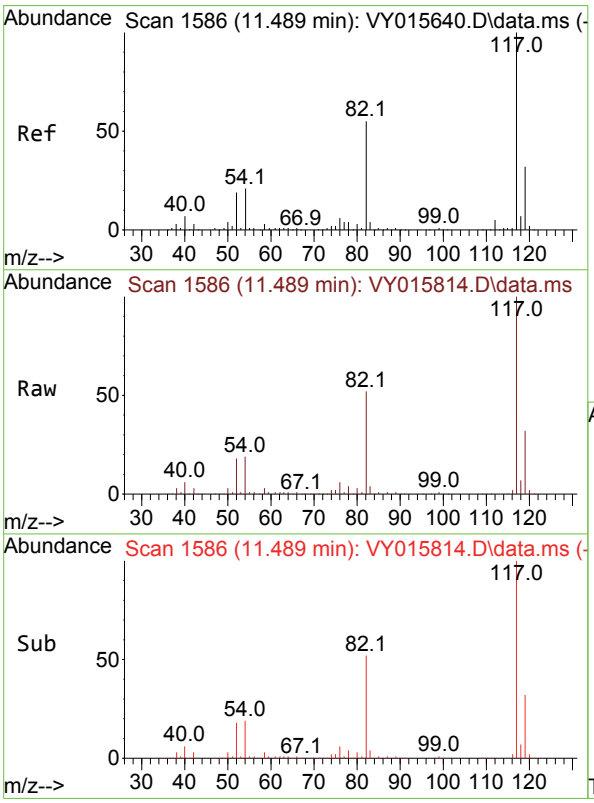
#62
4-Bromofluorobenzene
Concen: 47.811 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 95 Resp: 113153

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	178.2
176	82.5	0.0	173.8

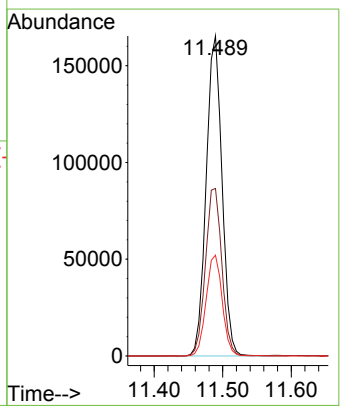


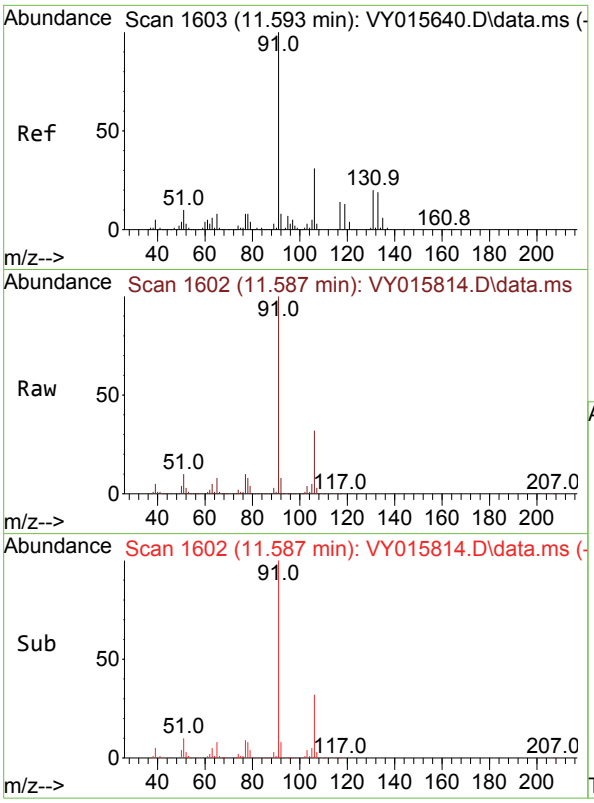


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:117 Resp: 266159

Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.4	65.0
119	31.5	26.3	39.5



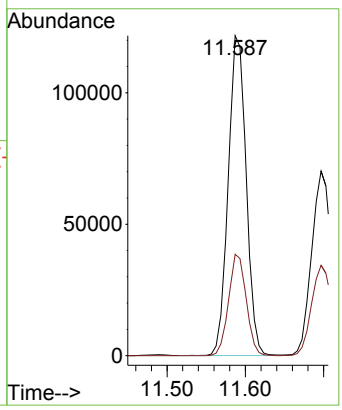


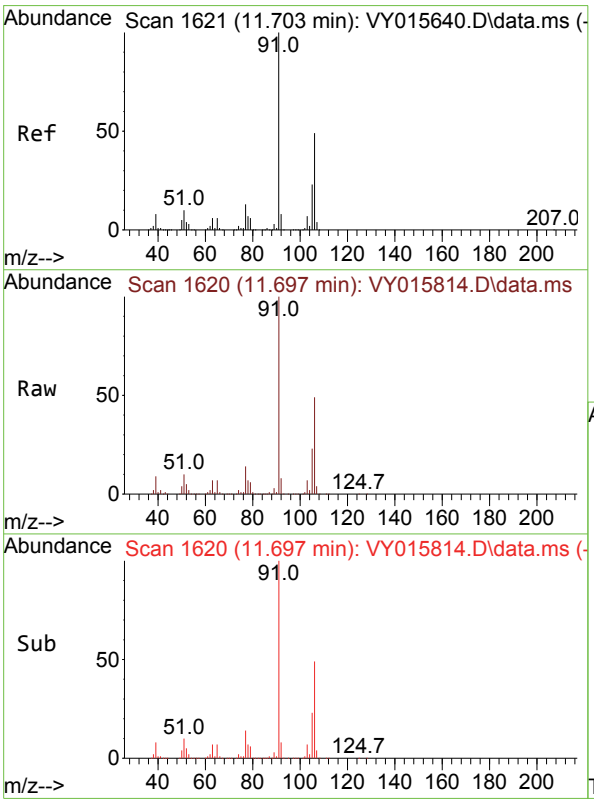
#67
Ethyl Benzene
Concen: 19.071 ug/l
RT: 11.587 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 193659

Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.6	36.8

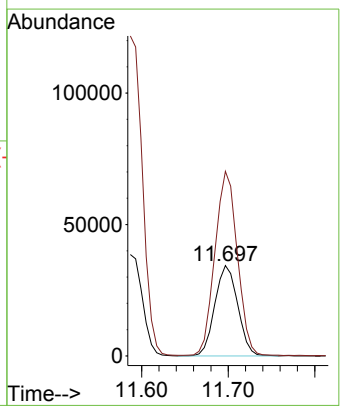


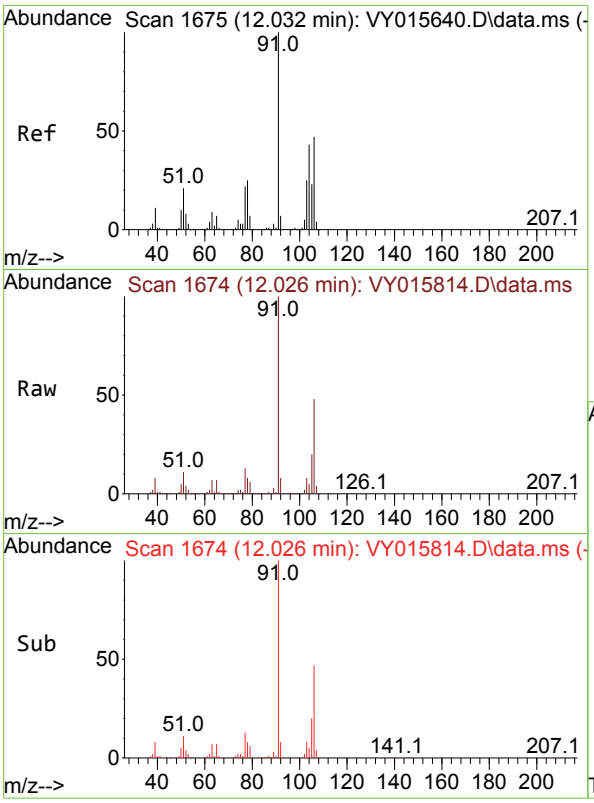


#68
m/p-Xylenes
Concen: 16.373 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:106 Resp: 63193

Ion	Ratio	Lower	Upper
106	100		
91	199.7	166.1	249.1



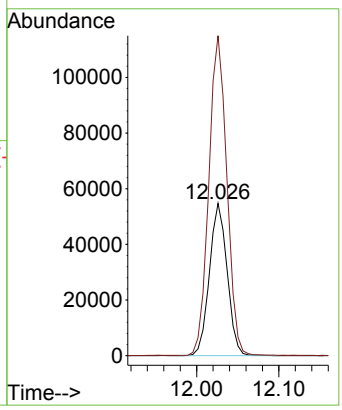


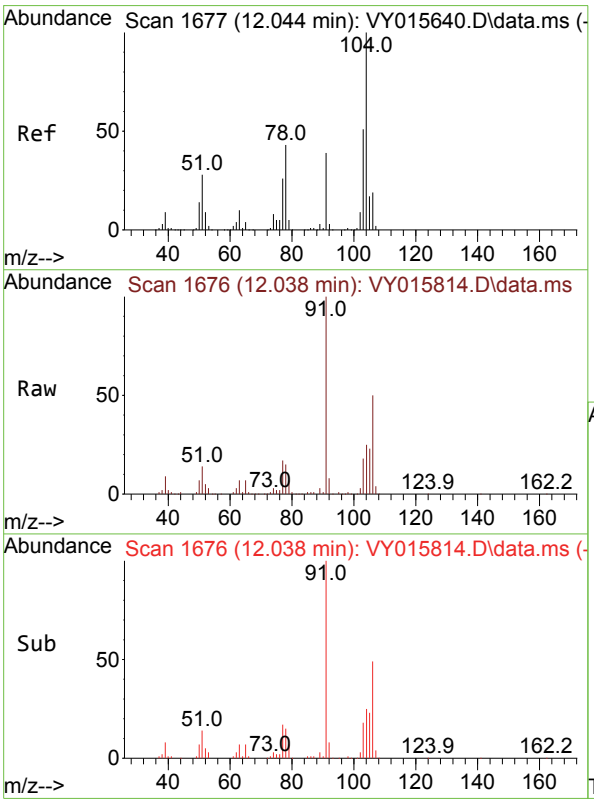
#69
o-Xylene
Concen: 21.621 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:106 Resp: 81828

Ion	Ratio	Lower	Upper
106	100		
91	214.0	108.1	324.3

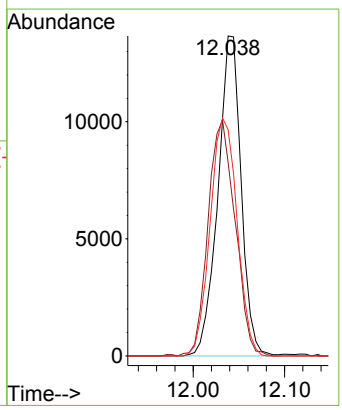


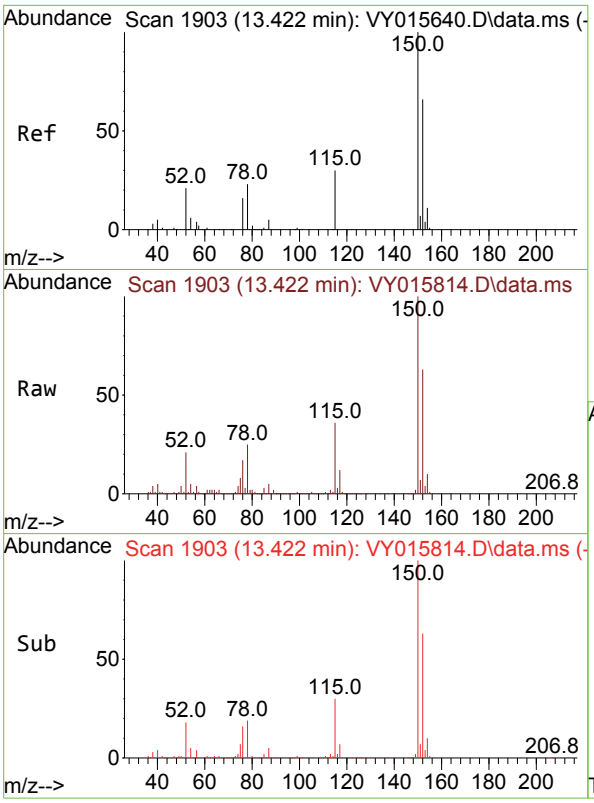


#70
Styrene
Concen: 3.731 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.006 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:104 Resp: 24170

Ion	Ratio	Lower	Upper
104	100		
78	85.6	41.5	62.3#
103	85.9	44.6	67.0#



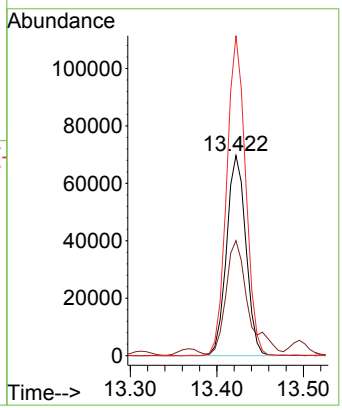


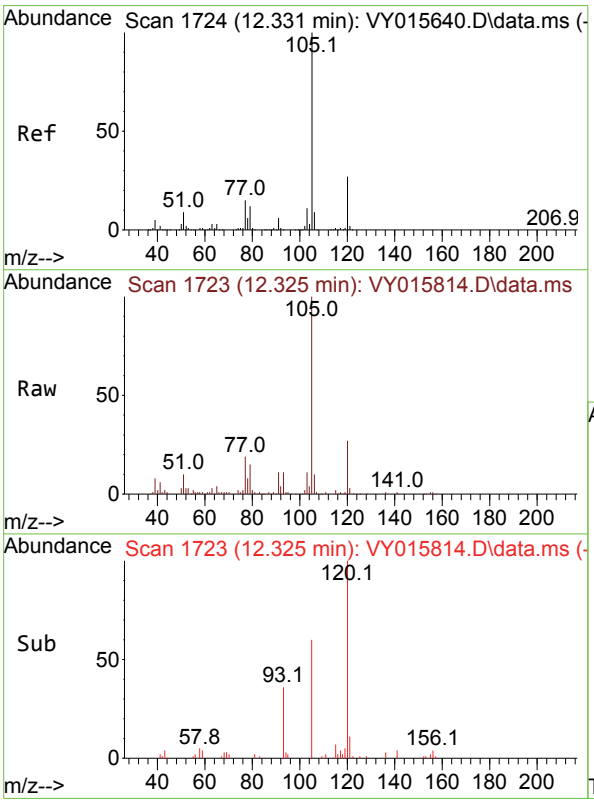
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:152 Resp: 107924

Ion	Ratio	Lower	Upper
152	100		
115	64.2	28.8	86.5
150	156.3	0.0	348.8

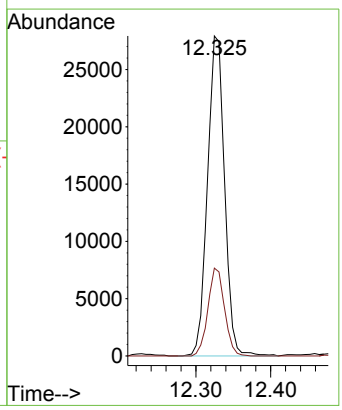


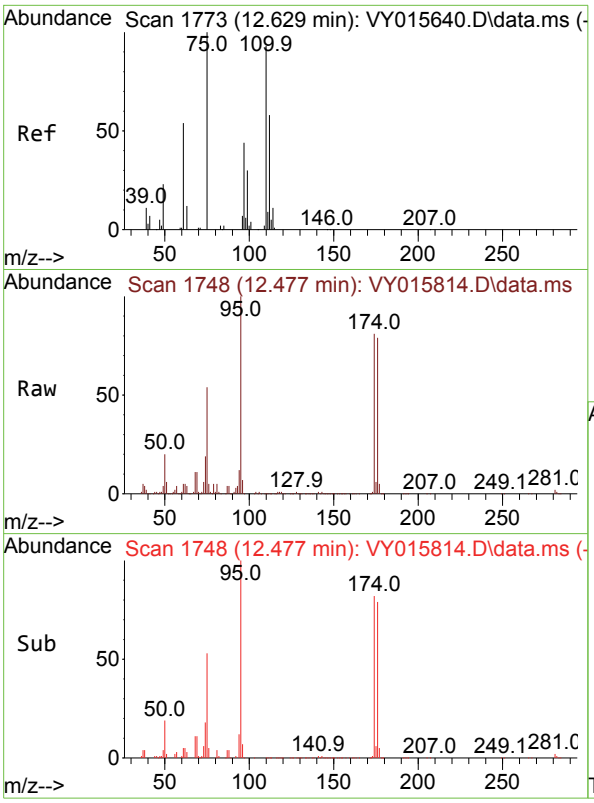


#73
Isopropylbenzene
Concen: 5.478 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:105 Resp: 44354

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.9



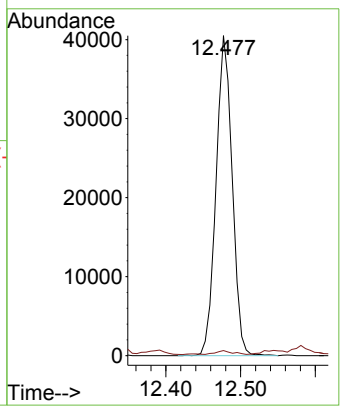


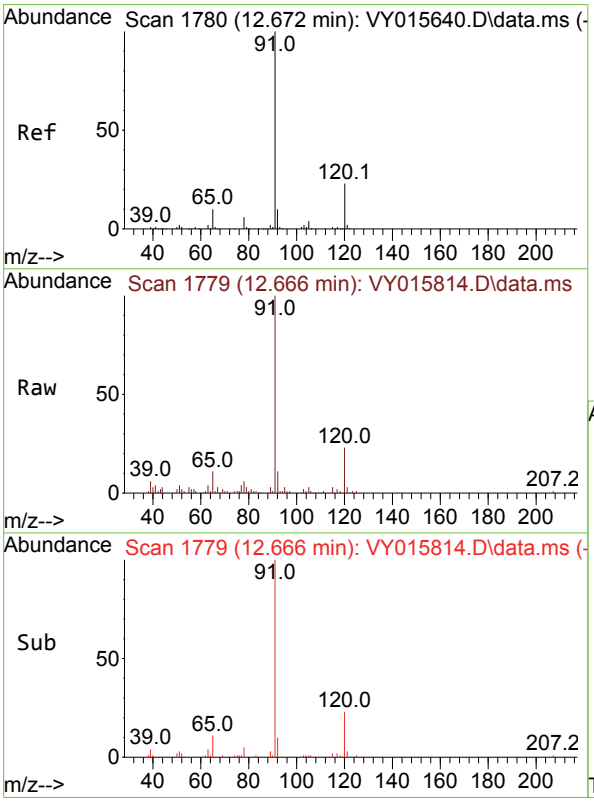
#76
1,2,3-Trichloropropane
Concen: 35.364 ug/l
RT: 12.477 min Scan# 1
Delta R.T. -0.152 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 60887

Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

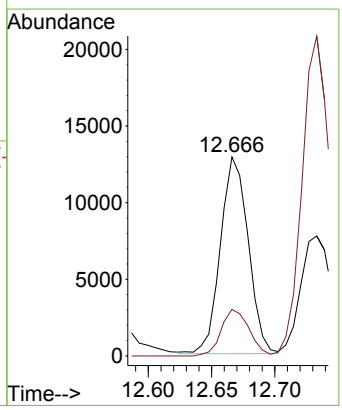


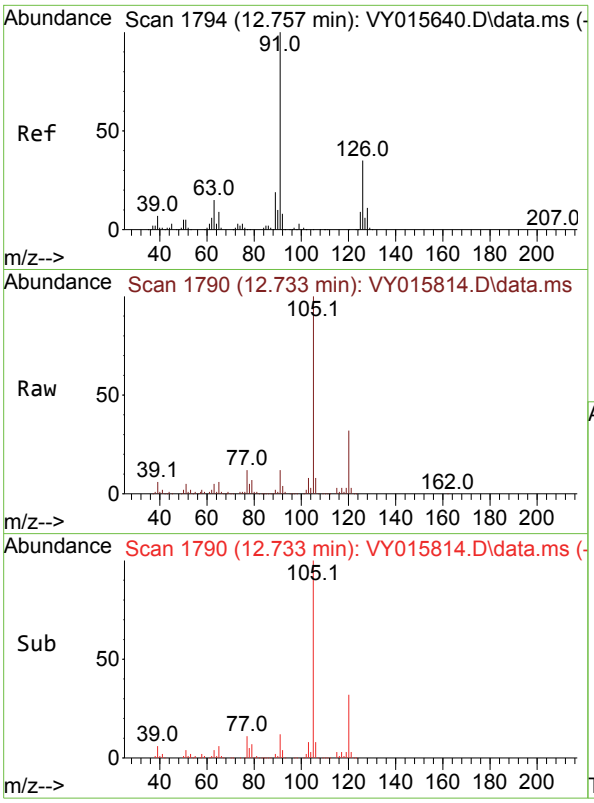


#78
n-propylbenzene
Concen: 1.995 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 91 Resp: 19627

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.5	34.4



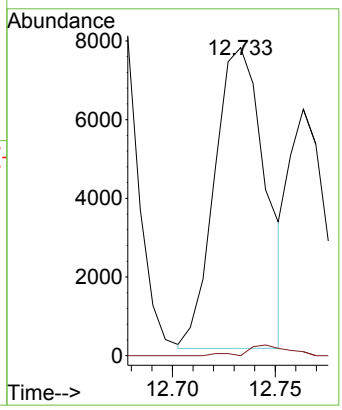


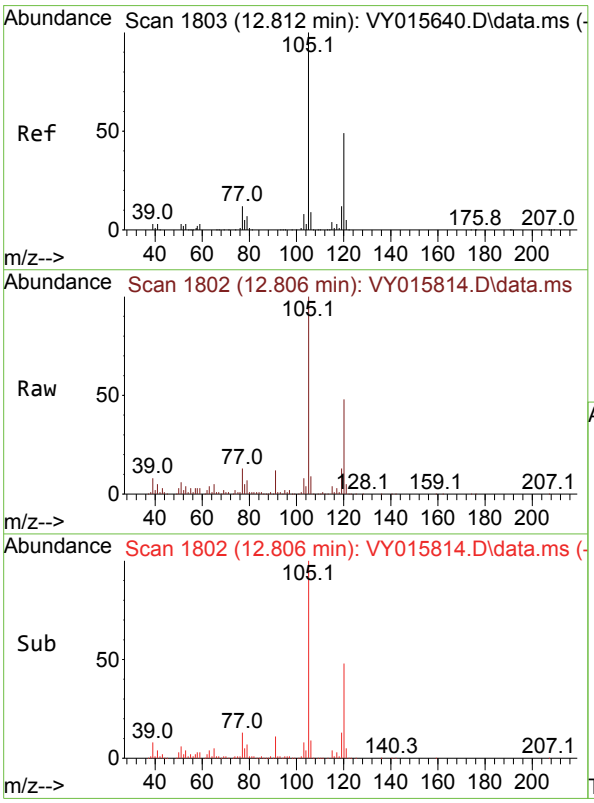
#79
2-Chlorotoluene
Concen: 2.335 ug/l
RT: 12.733 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 13090

Ion	Ratio	Lower	Upper
91	100		
126	2.9	17.3	51.7#

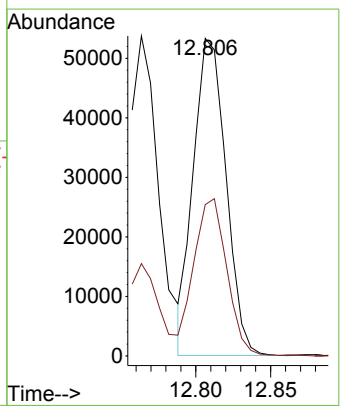


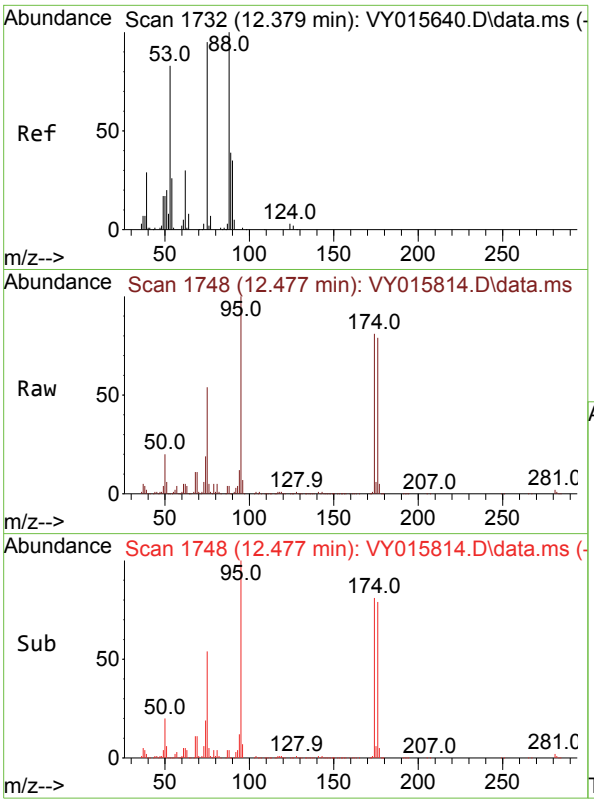


#80
1,3,5-Trimethylbenzene
Concen: 11.905 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:105 Resp: 80688

Ion	Ratio	Lower	Upper
105	100		
120	50.2	23.9	71.7



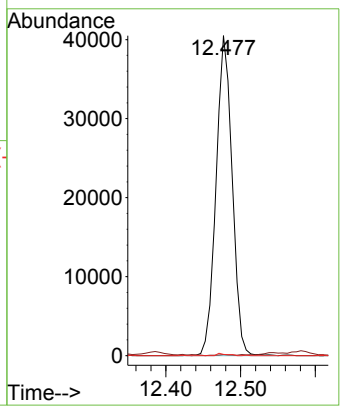


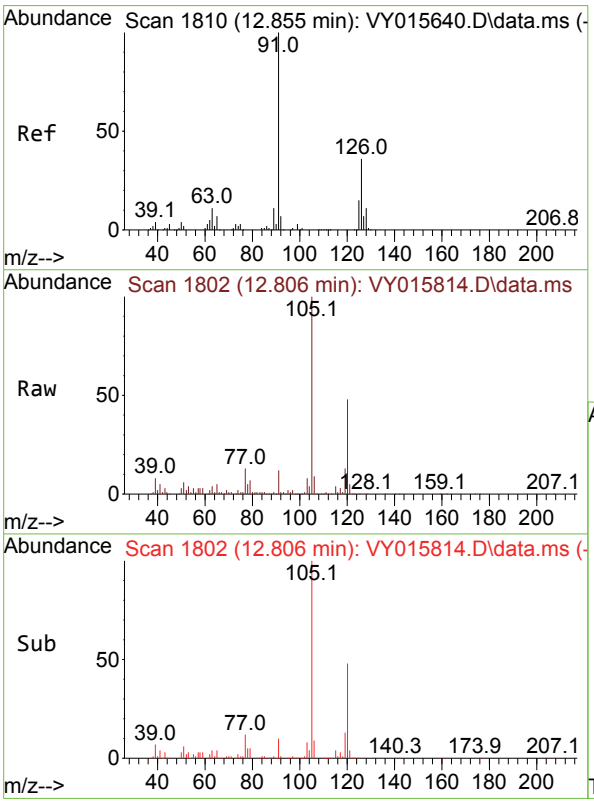
#81
trans-1,4-Dichloro-2-butene
Concen: 79.635 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.097 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 60887

Ion	Ratio	Lower	Upper
75	100		
53	0.4	77.8	116.8#
89	0.4	37.4	56.0#

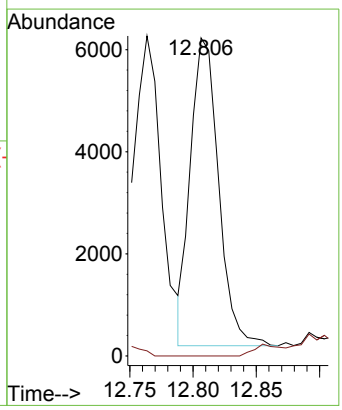


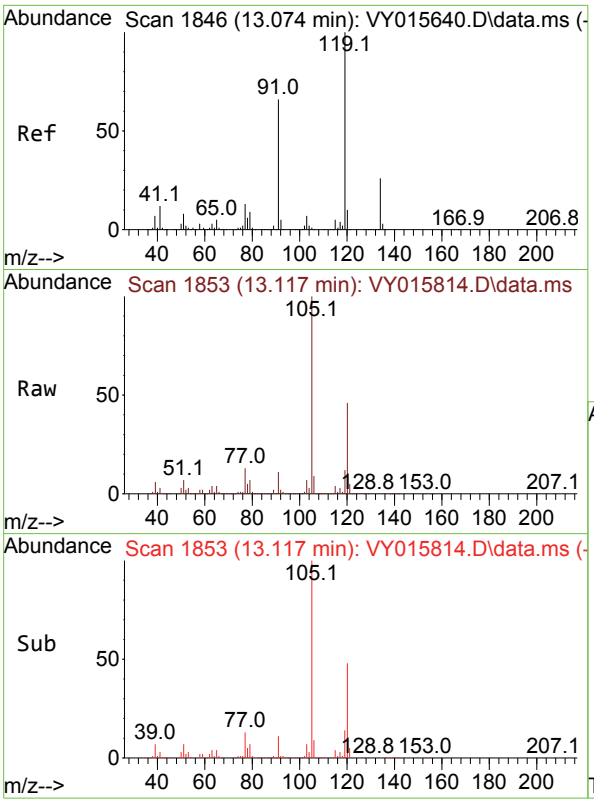


#82
4-Chlorotoluene
Concen: 1.594 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.043 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 91 Resp: 9328

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.2	51.6#



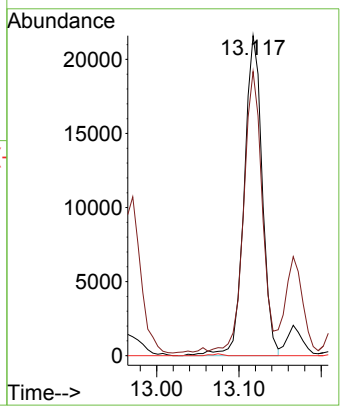


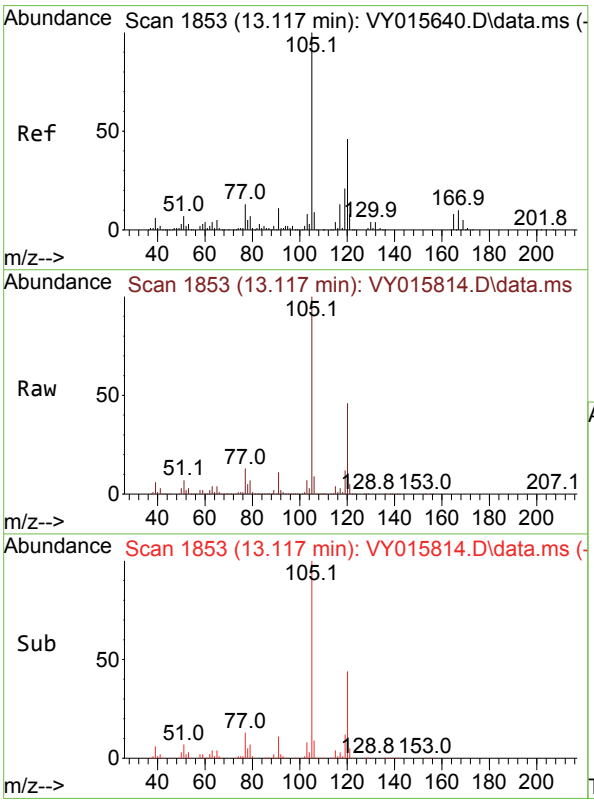
#83
tert-Butylbenzene
Concen: 5.572 ug/l
RT: 13.117 min Scan# 1
Delta R.T. 0.042 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:119 Resp: 33075

Ion	Ratio	Lower	Upper
119	100		
91	87.6	32.9	98.6
134	0.0	13.0	38.9#

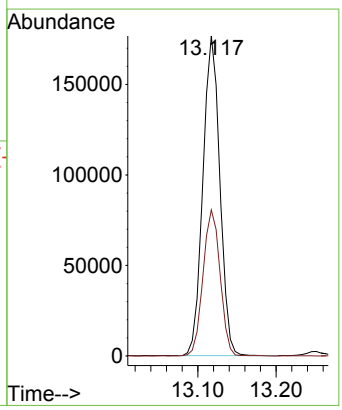


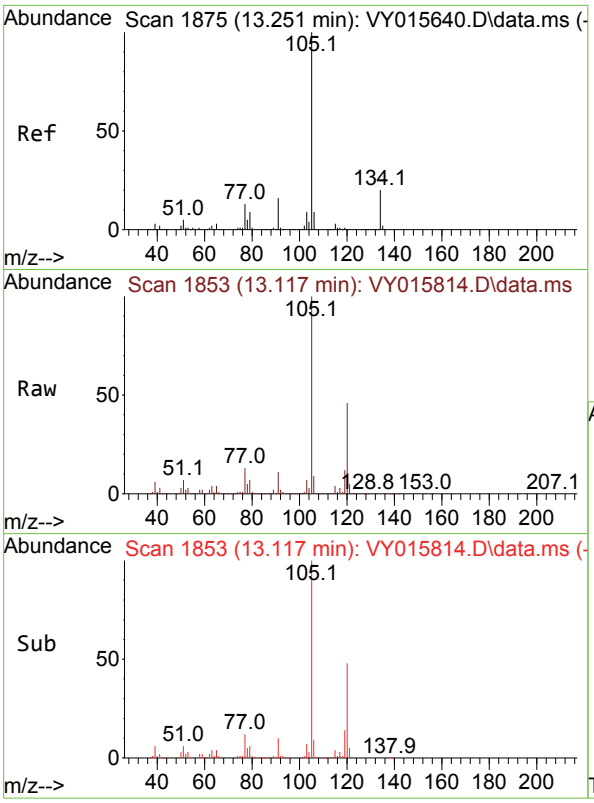


#84
1,2,4-Trimethylbenzene
Concen: 39.101 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:105 Resp: 265170

Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.2	66.6



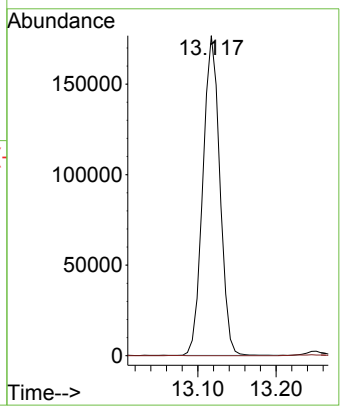


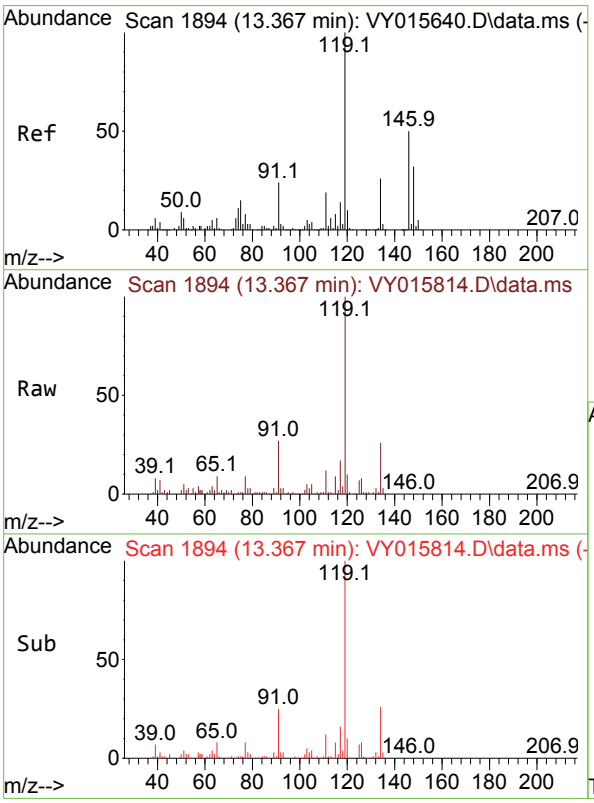
#85
sec-Butylbenzene
Concen: 29.849 ug/l
RT: 13.117 min Scan# 1
Delta R.T. -0.134 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 265170

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.2	30.6#

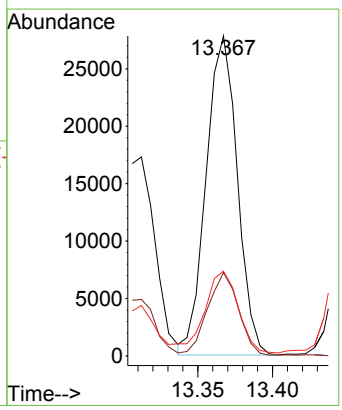


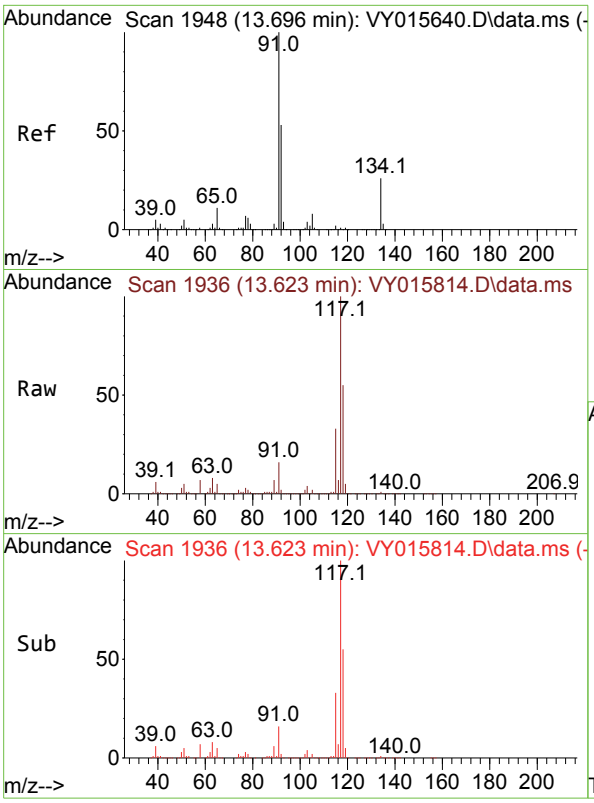


#86
p-Isopropyltoluene
Concen: 5.439 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:119 Resp: 40361

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.3	39.8
91	26.4	12.4	37.4



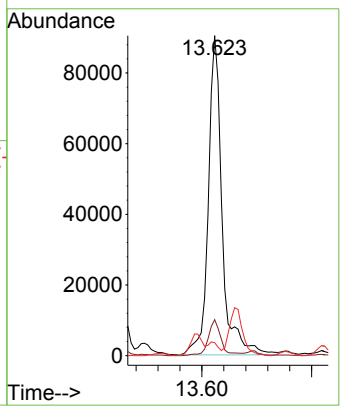


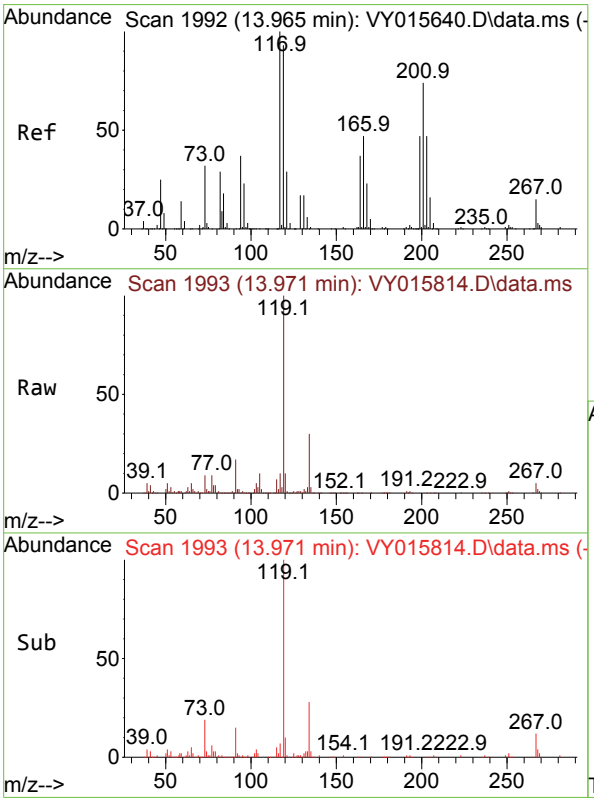
#89
n-Butylbenzene
Concen: 22.508 ug/l
RT: 13.623 min Scan# 1
Delta R.T. -0.073 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 158165

Ion	Ratio	Lower	Upper
91	100		
92	10.5	25.4	76.0#
134	0.0	12.6	37.6#

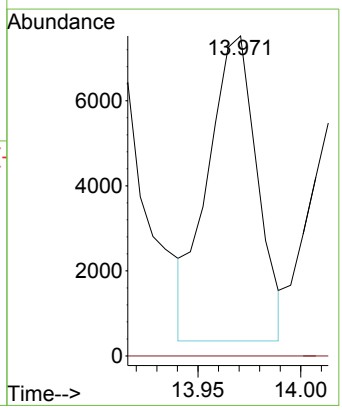


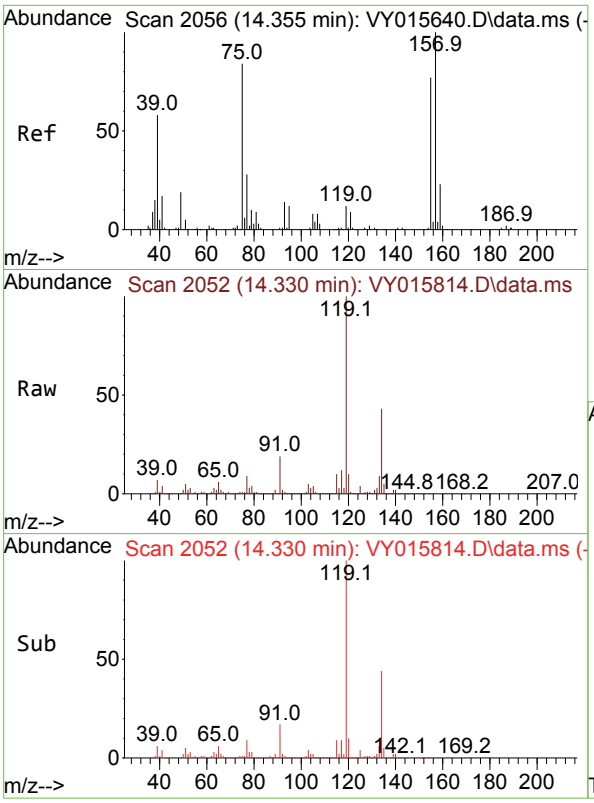


#90
Hexachloroethane
Concen: 8.372 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:117 Resp: 11991

Ion	Ratio	Lower	Upper
117	100		
201	0.0	41.6	124.8#



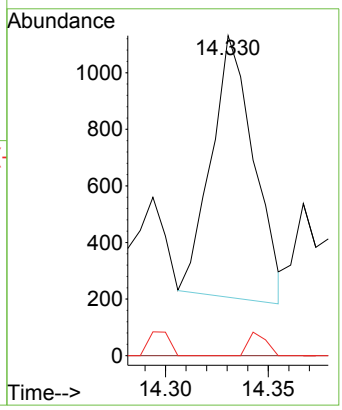


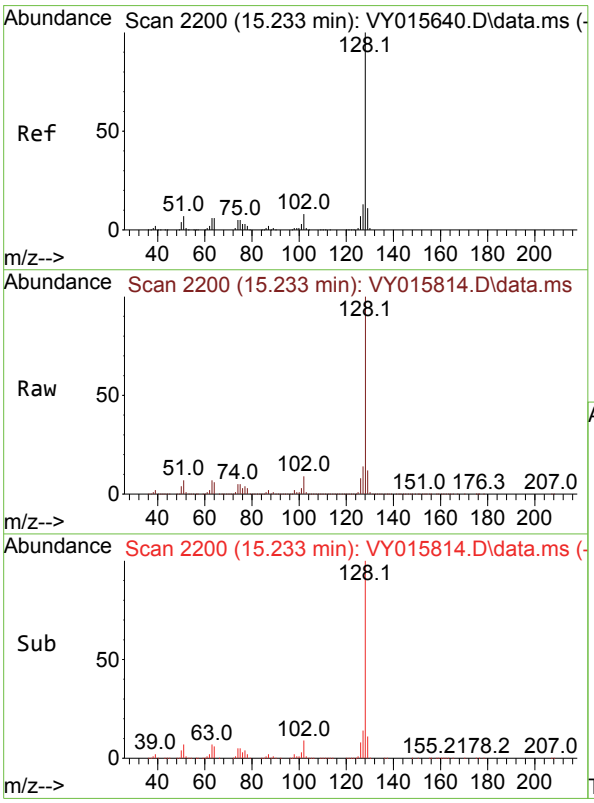
#92
1,2-Dibromo-3-Chloropropane
Concen: 2.976 ug/l
RT: 14.330 min Scan# 2
Delta R.T. -0.025 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 1332

Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.5	124.6#
157	3.8	51.8	155.5#





#95
Naphthalene
Concen: 1085.761 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion:128 Resp: 6486855

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	11.5	8.6	13.0