Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
Data File : VY009532.D
Acq On : 12 Jul 2022 15:02
Operator : KP/MD
Sample : N3622-10RE
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Quant Time: Jul 13 01:15:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 08 11:00:56 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	89064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	151977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	97256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	24630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	42727	70.799	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 141.600%			
35) Dibromofluoromethane	7.710	113	42845	53.579	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.160%			
50) Toluene-d8	10.173	98	86619	37.473	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 74.940%#			
62) 4-Bromofluorobenzene	12.477	95	30086	26.654	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 53.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	754	1.104	ug/l	86
10) Methyl Iodide	4.082	142	245	4.375	ug/l #	77
11) Tert butyl alcohol	4.942	59	1119	Below Cal	#	82
13) Acrolein	3.710	56	285	33.793	ug/l #	49
16) Acetone	3.942	43	42984	198.392	ug/l #	85
17) Carbon Disulfide	4.186	76	39069	19.131	ug/l	99
18) Methyl Acetate	4.473	43	687	1.080	ug/l #	70
20) Methylene Chloride	4.704	84	15659	11.638	ug/l #	85
23) Vinyl Acetate	6.039	43	176	Below Cal	#	75
25) 2-Butanone	6.978	43	14468	41.279	ug/l	100
26) 2,2-Dichloropropane	6.972	77	4305	2.906	ug/l #	55
29) Tetrahydrofuran	7.338	42	550	2.426	ug/l #	46
31) Cyclohexane	7.789	56	1998	1.367	ug/l #	1
38) Carbon Tetrachloride	7.777	117	8145	5.850	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	1035	1.293	ug/l #	70
59) 2-Hexanone	10.795	43	2847	5.131	ug/l #	28
69) o-Xylene	12.026	106	1936	1.553	ug/l	93
73) Isopropylbenzene	12.325	105	1730	1.027	ug/l	85
74) N-amyl acetate	12.118	43	8779	18.318	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.556	83	1710	5.070	ug/l #	3
76) 1,2,3-Trichloropropane	12.477	75	16021	61.447	ug/l #	100
79) 2-Chlorotoluene	12.752	91	2007	1.762	ug/l	88
80) 1,3,5-Trimethylbenzene	12.806	105	1662	1.180	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	16021	125.760	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.117	105	4517	3.223	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	1112	1.357	ug/l #	1
90) Hexachloroethane	13.971	117	367	1.216	ug/l #	6
91) 1,2-Dichlorobenzene	13.745	146	800	1.079	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.007	180	771	1.705	ug/l #	1
95) Naphthalene	15.239	128	3139	3.356	ug/l #	61
96) 1,2,3-Trichlorobenzene	15.428	180	795	2.029	ug/l #	84

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

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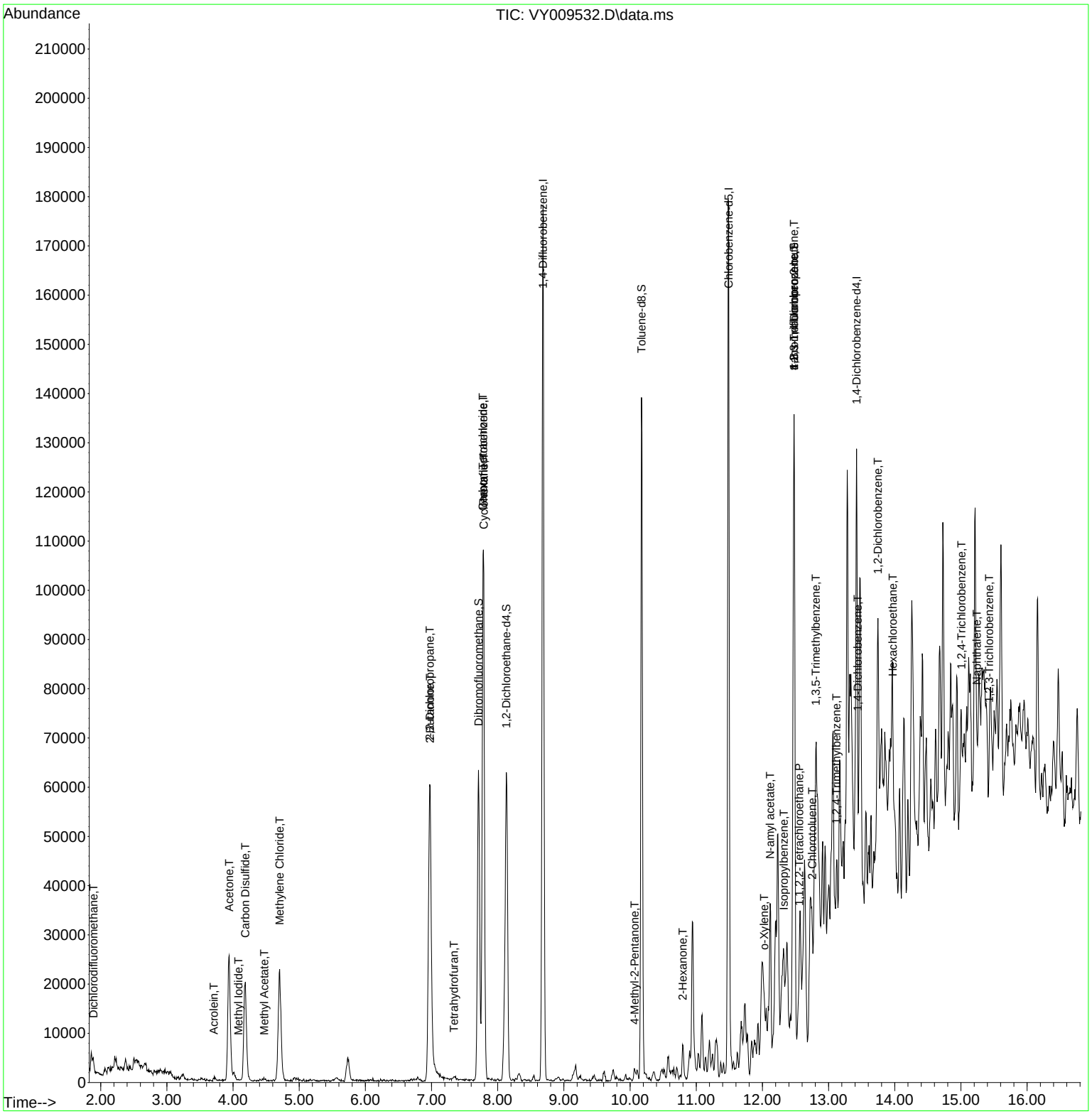
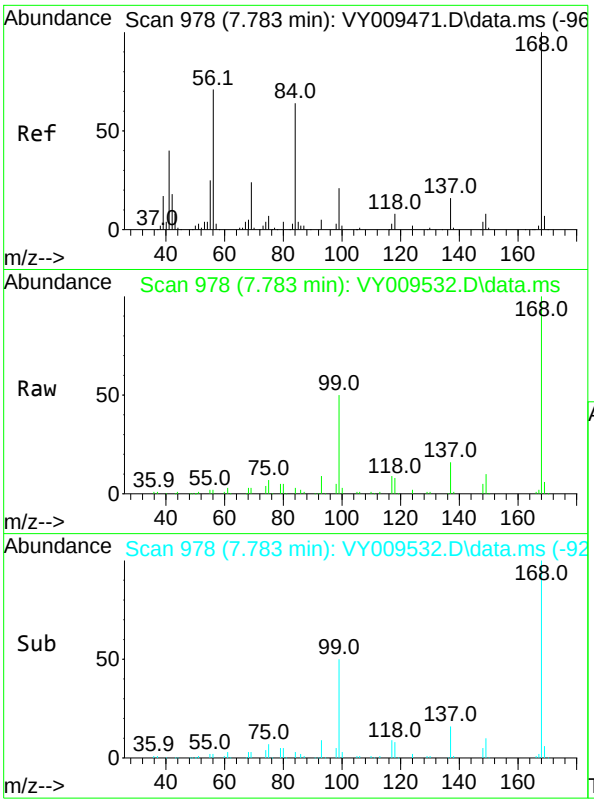


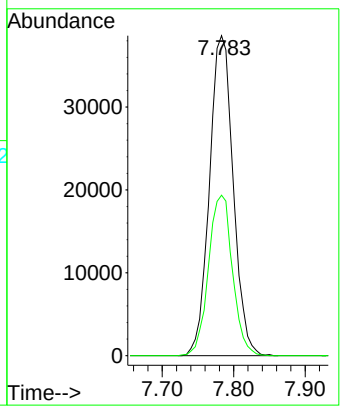


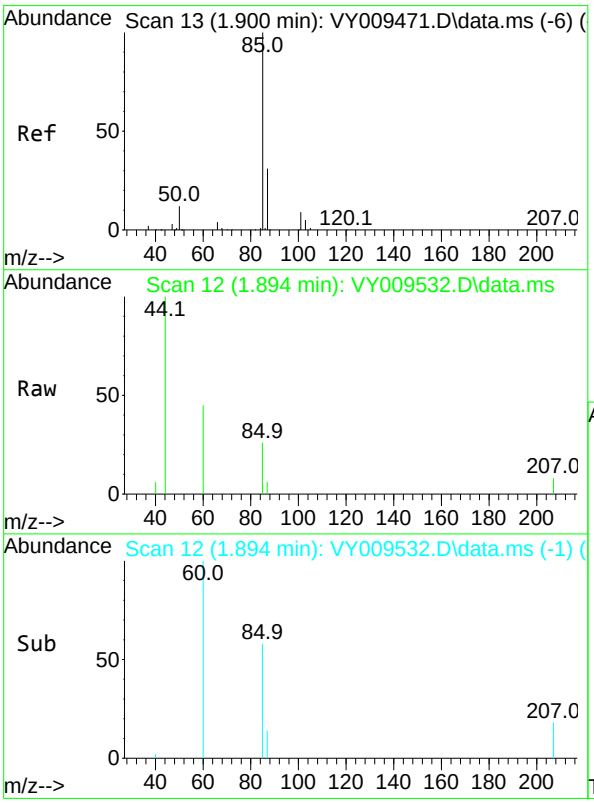
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion:168 Resp: 89064

Ion	Ratio	Lower	Upper
168	100		
99	50.2	46.9	70.3

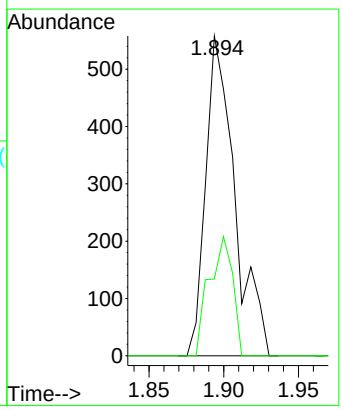


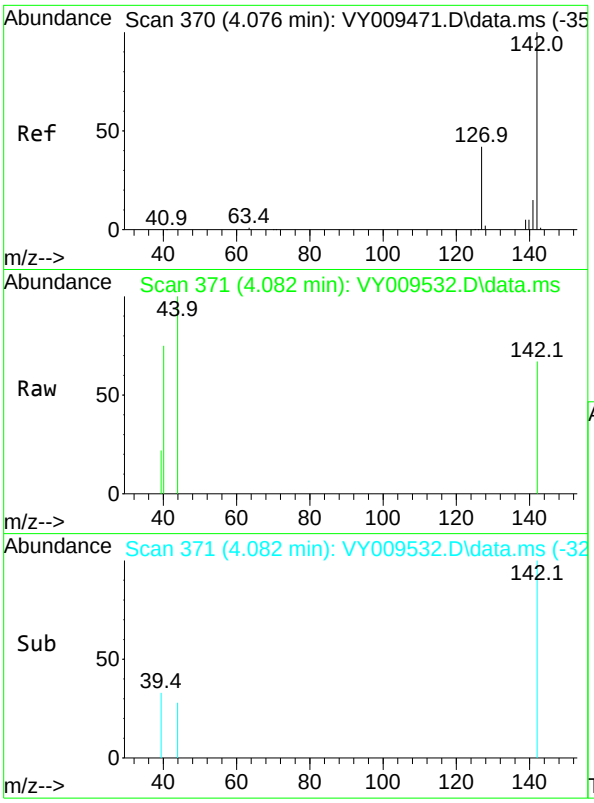


#2
Dichlorodifluoromethane
Concen: 1.104 ug/l
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 85 Resp: 754

Ion	Ratio	Lower	Upper
85	100		
87	24.0	16.1	48.2



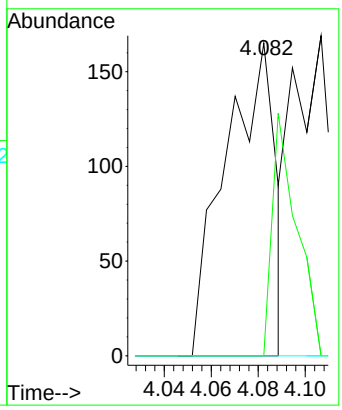


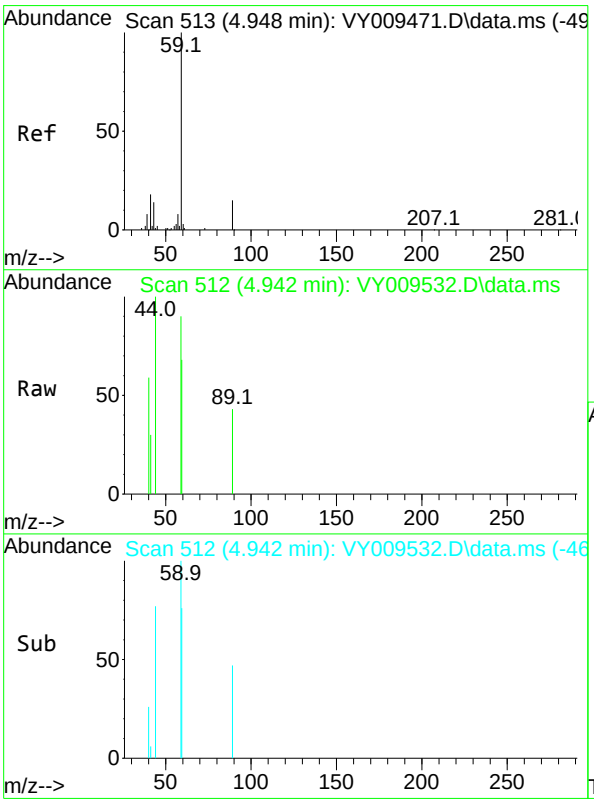
#10
Methyl Iodide
Concen: 4.375 ug/l
RT: 4.082 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion:142 Resp: 245

Ion	Ratio	Lower	Upper
142	100		
127	38.0	41.5	62.3#
141	0.0	11.9	17.9#

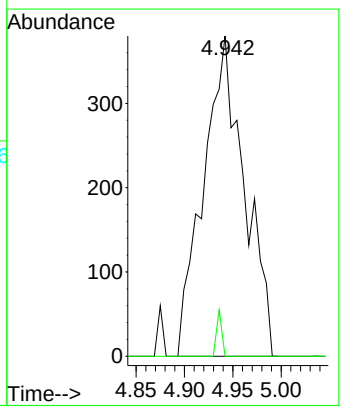


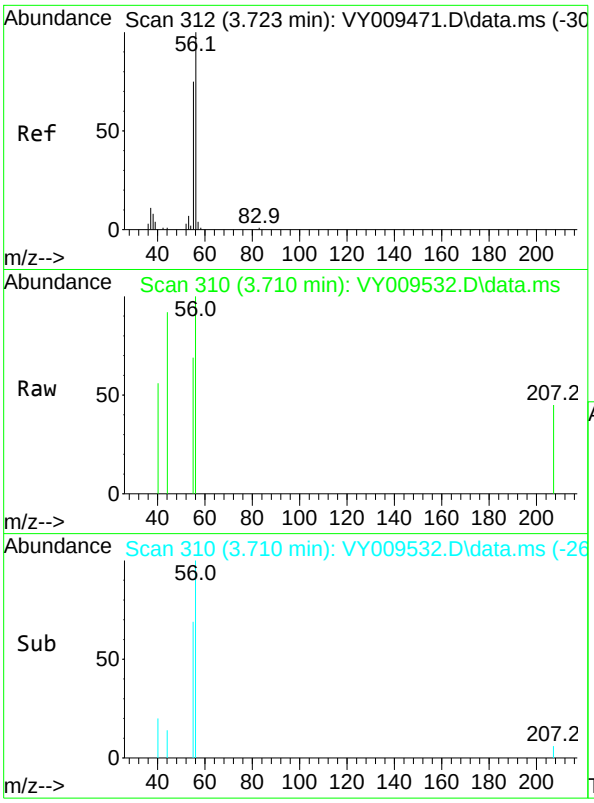


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 59 Resp: 1119

Ion	Ratio	Lower	Upper
59	100		
57	1.8	6.4	9.6#



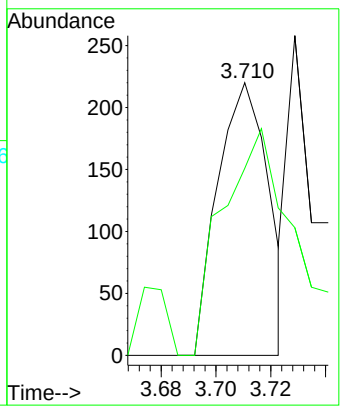


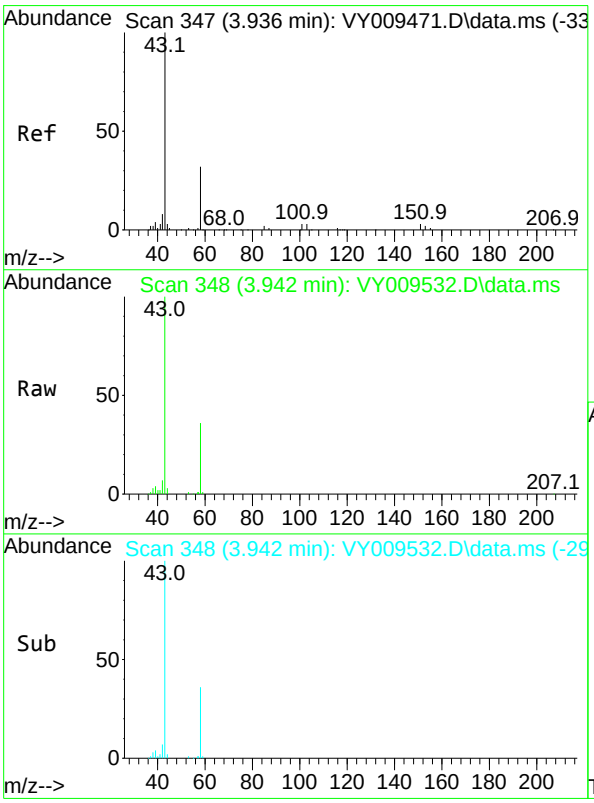
#13
Acrolein
Concen: 33.793 ug/l
RT: 3.710 min Scan# 31
Delta R.T. -0.013 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion: 56 Resp: 285

Ion	Ratio	Lower	Upper
56	100		
55	114.7	57.6	86.4#

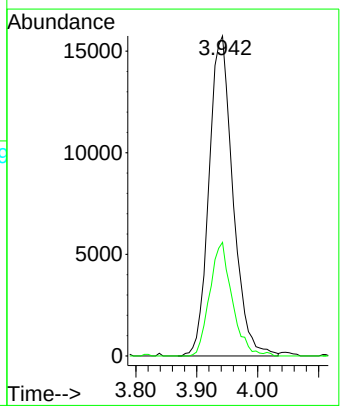


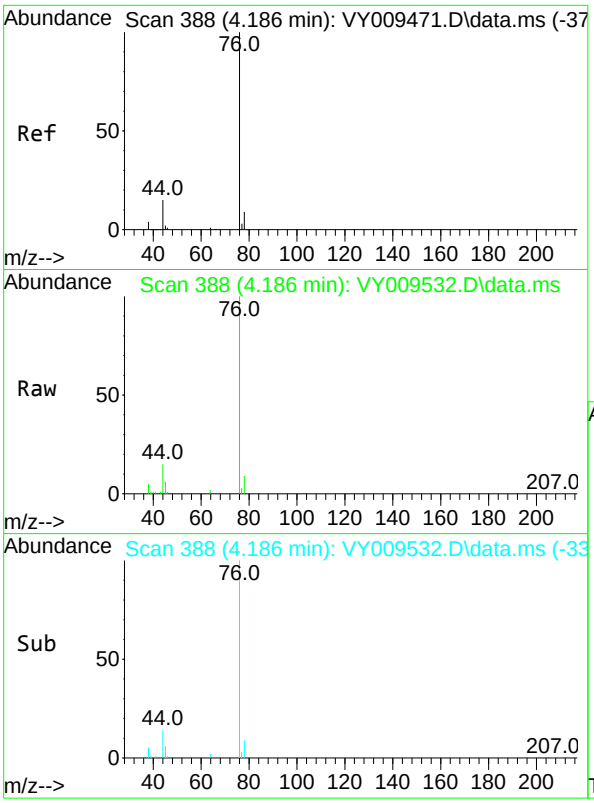


#16
Acetone
Concen: 198.392 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 43 Resp: 42984

Ion	Ratio	Lower	Upper
43	100		
58	35.5	22.0	33.0#



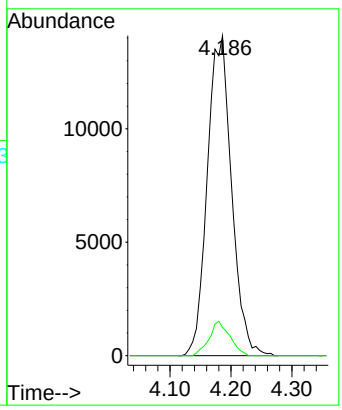


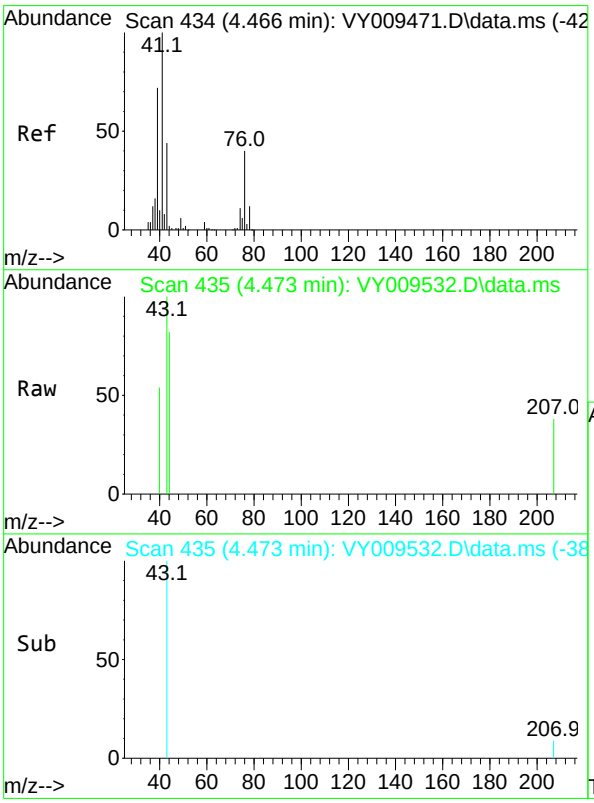
#17
Carbon Disulfide
Concen: 19.131 ug/l
RT: 4.186 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion: 76 Resp: 39069

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

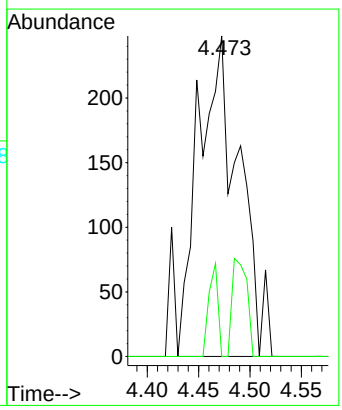


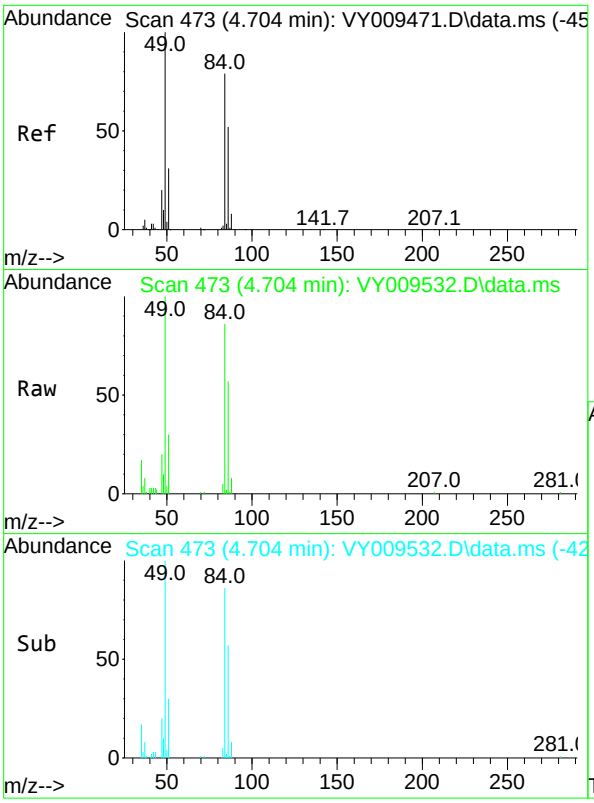


#18
Methyl Acetate
Concen: 1.080 ug/l
RT: 4.473 min Scan# 435
Delta R.T. 0.007 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 43 Resp: 687

Ion	Ratio	Lower	Upper
43	100		
74	6.6	16.6	24.8#



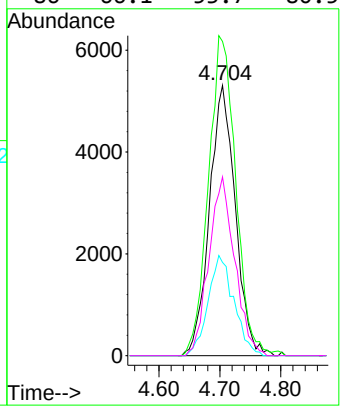


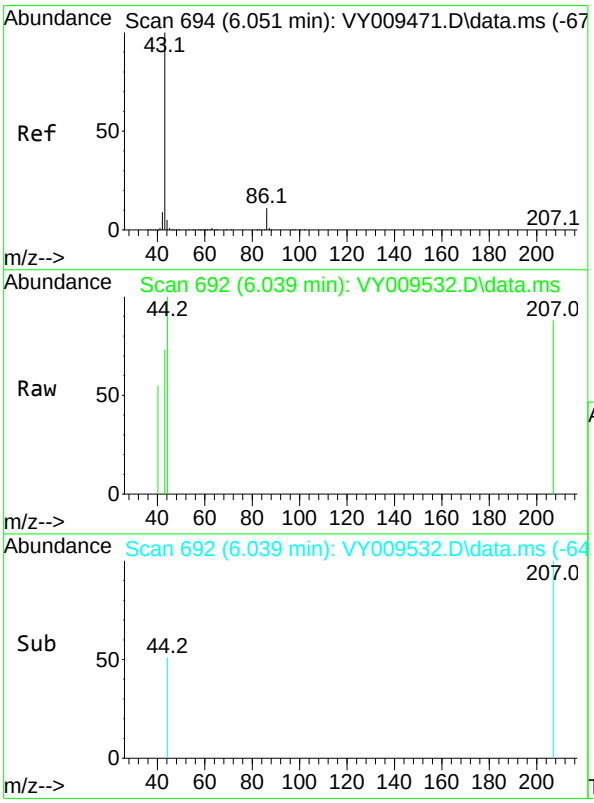
#20
Methylene Chloride
Concen: 11.638 ug/l
RT: 4.704 min Scan# 4
Delta R.T. 0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion: 84 Resp: 15659

Ion	Ratio	Lower	Upper
84	100		
49	116.2	114.4	171.6
51	34.5	35.3	52.9#
86	66.1	53.7	80.5

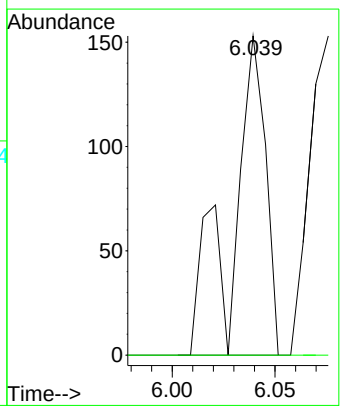


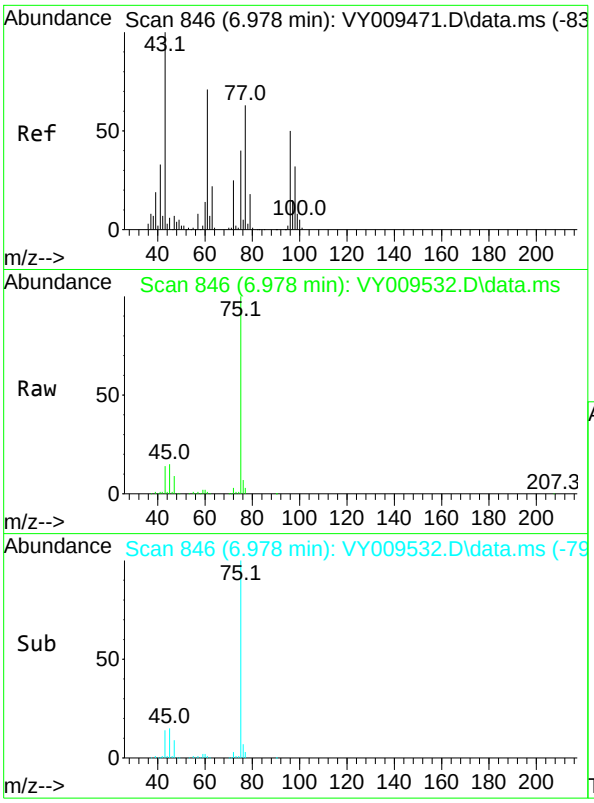


#23
Vinyl Acetate
Concen: Below Cal
RT: 6.039 min Scan# 692
Delta R.T. -0.012 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 43 Resp: 176

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#



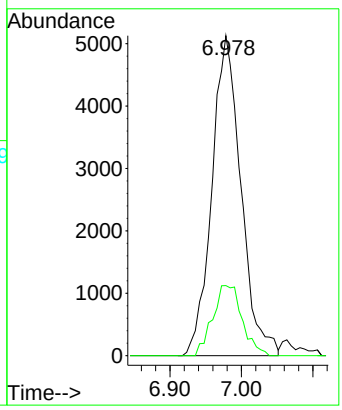


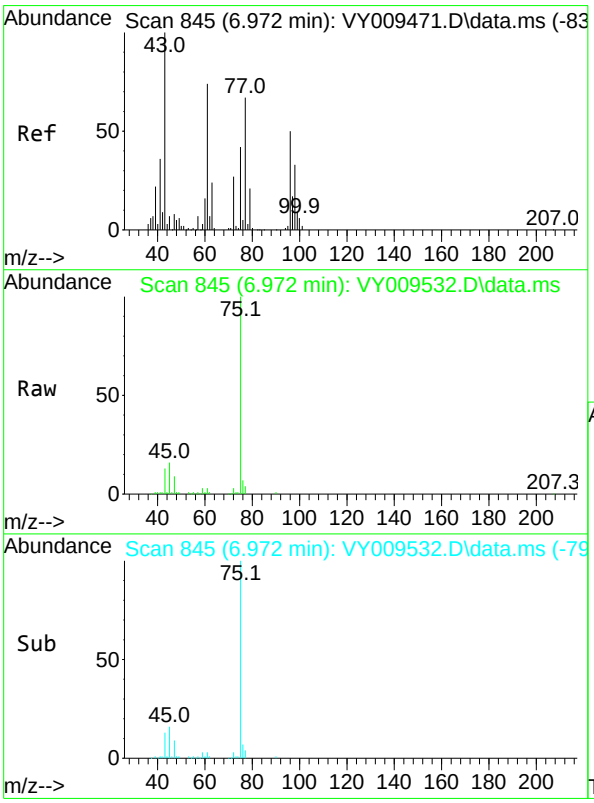
#25
2-Butanone
Concen: 41.279 ug/l
RT: 6.978 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion: 43 Resp: 14468

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.7	26.5

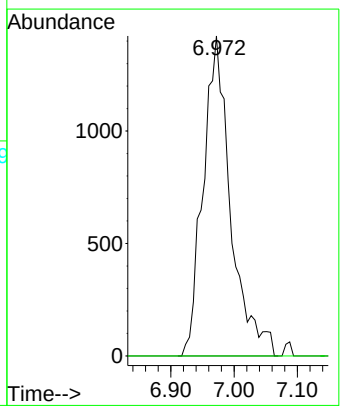


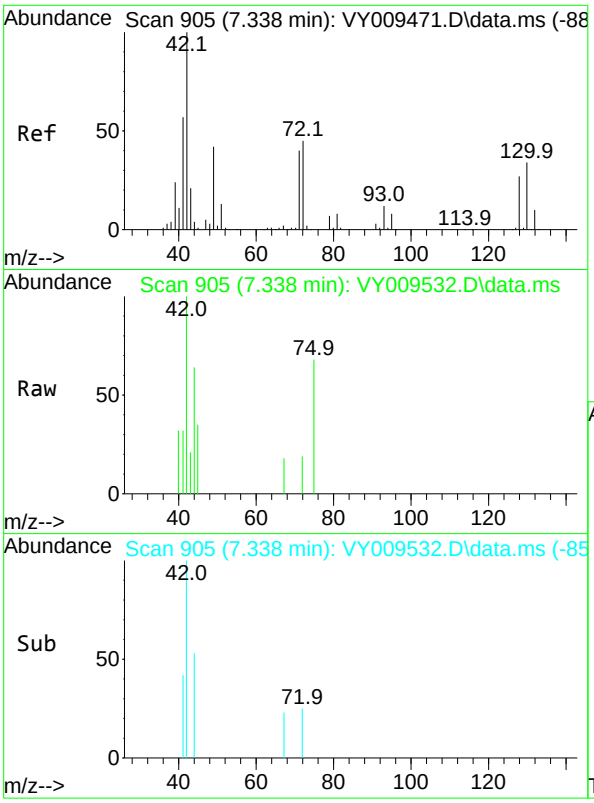


#26
2,2-Dichloropropane
Concen: 2.906 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 77 Resp: 4305

Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.4	31.4#



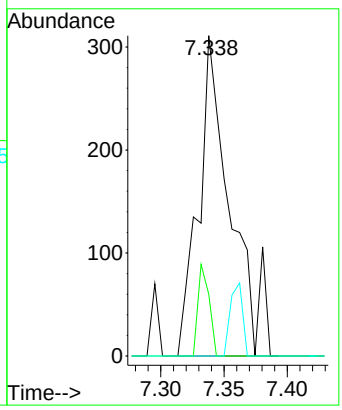


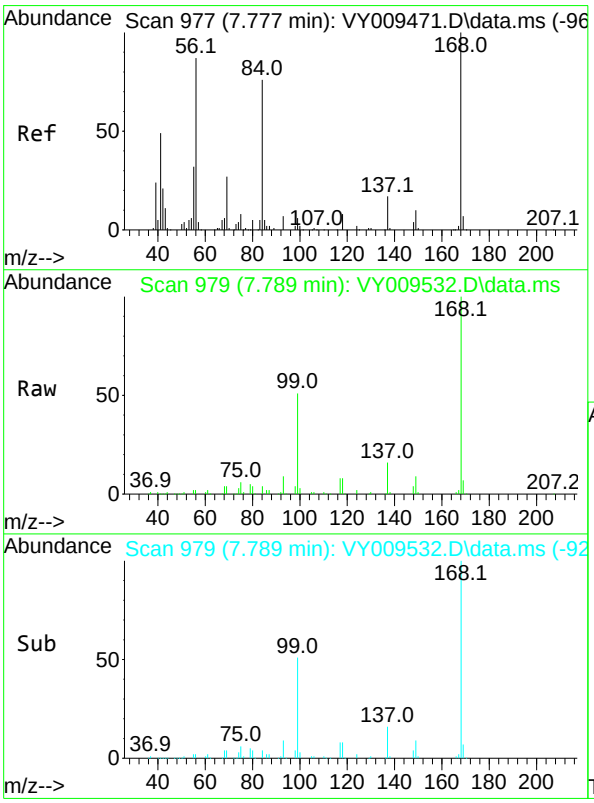
#29
Tetrahydrofuran
Concen: 2.426 ug/l
RT: 7.338 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion: 42 Resp: 550

Ion	Ratio	Lower	Upper
42	100		
72	10.0	30.3	45.5#
71	0.0	29.0	43.4#

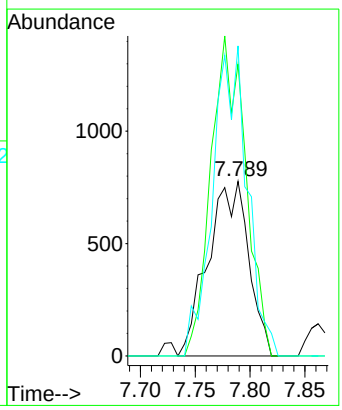


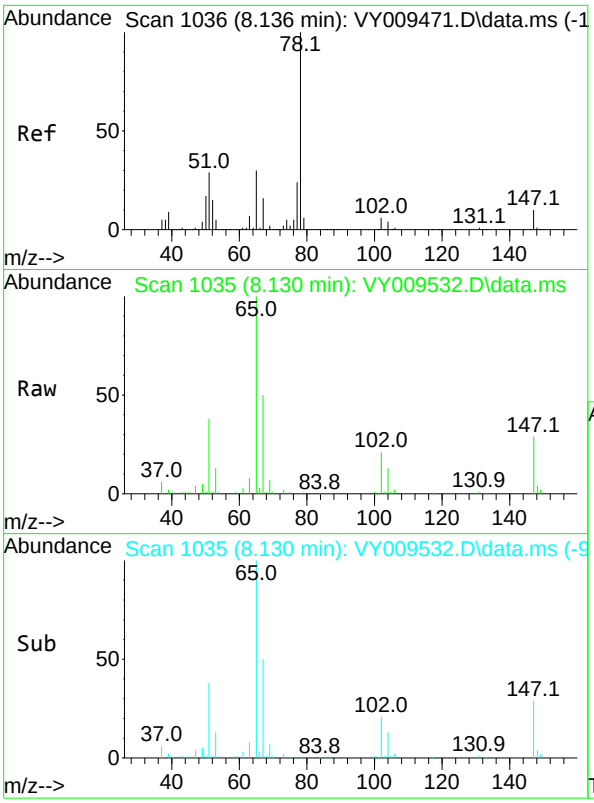


#31
Cyclohexane
Concen: 1.367 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 56 Resp: 1998

Ion	Ratio	Lower	Upper
56	100		
69	167.2	26.7	40.1#
84	177.6	67.2	100.8#



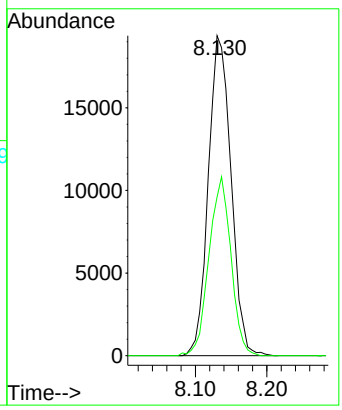


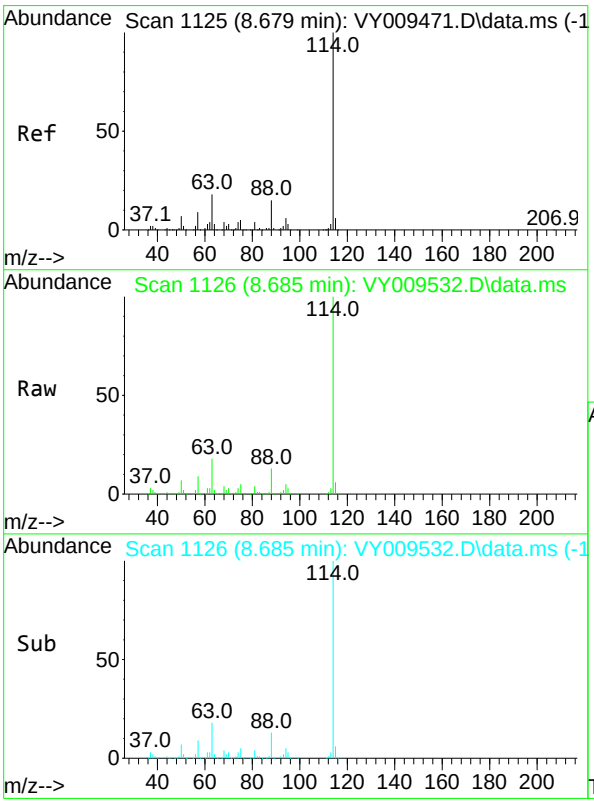
#33
1,2-Dichloroethane-d4
Concen: 70.799 ug/l
RT: 8.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion: 65 Resp: 42727

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	99.4

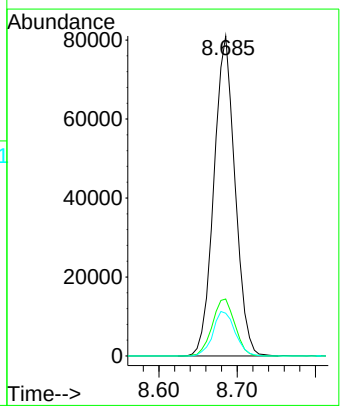


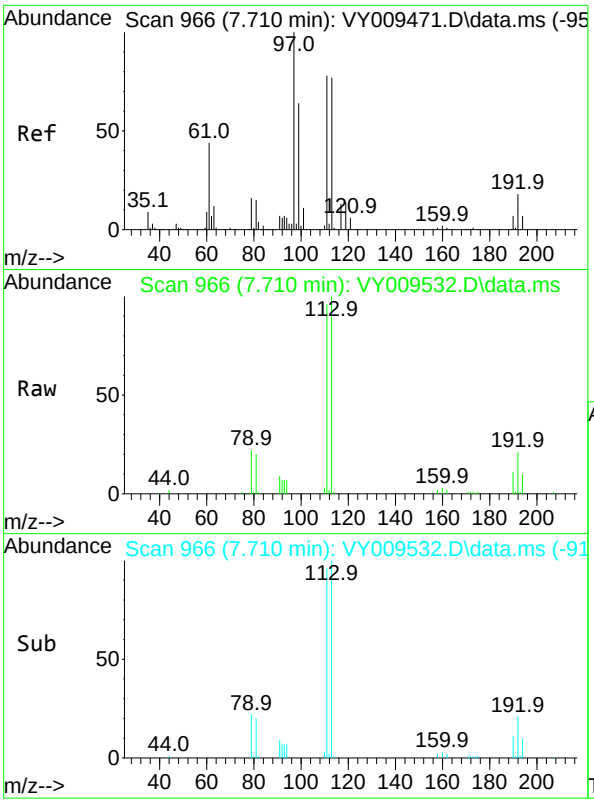


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion:114 Resp: 151977

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	43.2
88	13.3	0.0	31.8



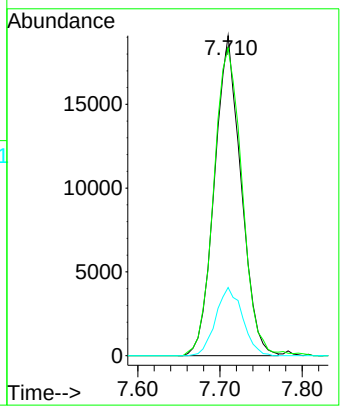


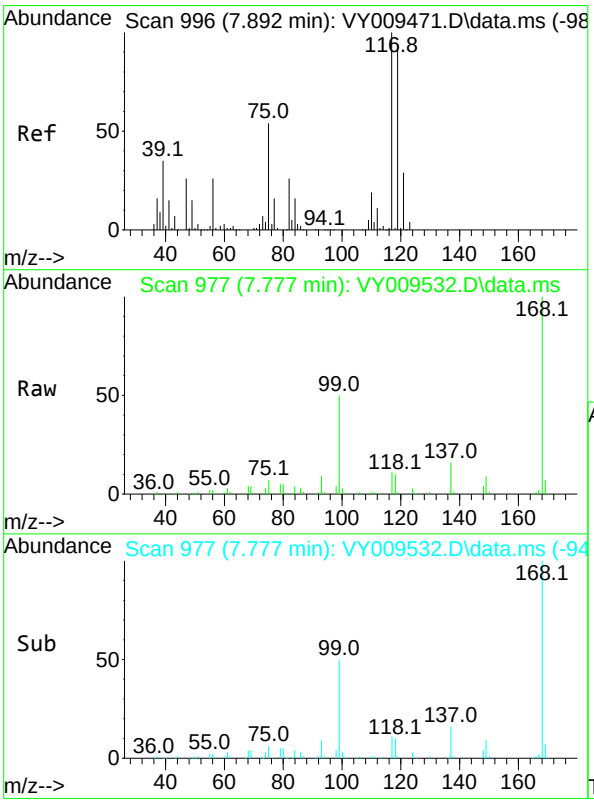
#35
Dibromofluoromethane
Concen: 53.579 ug/l
RT: 7.710 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion:113 Resp: 42845

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	124.0
192	21.5	17.6	26.4

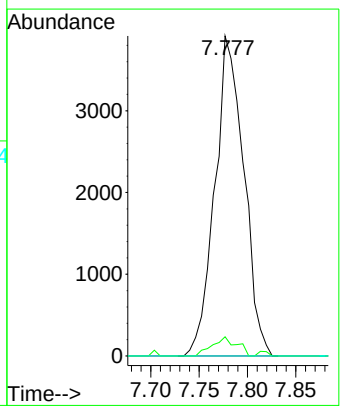


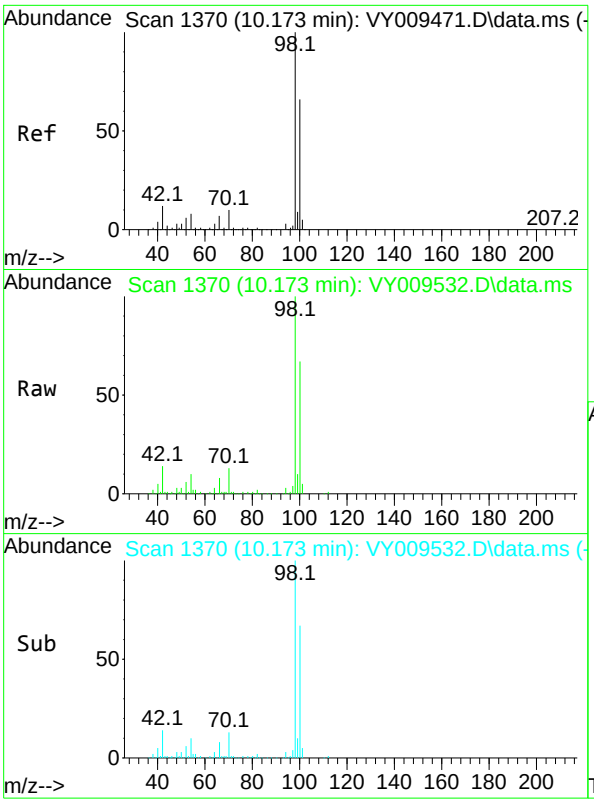


#38
Carbon Tetrachloride
Concen: 5.850 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.115 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion:117 Resp: 8145

Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.9	116.9#
121	0.0	24.8	37.2#



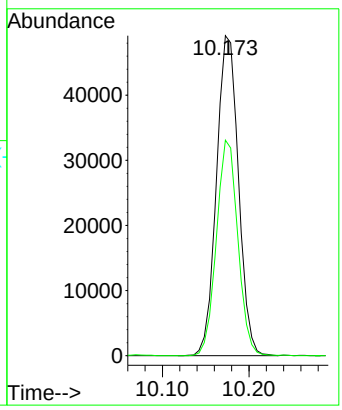


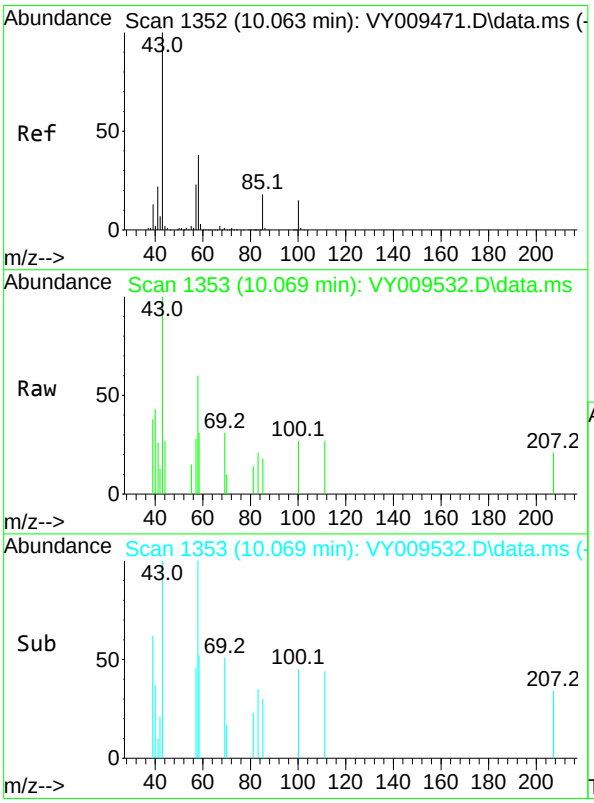
#50
Toluene-d8
Concen: 37.473 ug/l
RT: 10.173 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion: 98 Resp: 86619

Ion	Ratio	Lower	Upper
98	100		
100	65.7	50.2	75.2

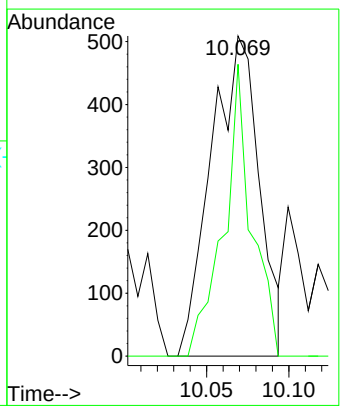


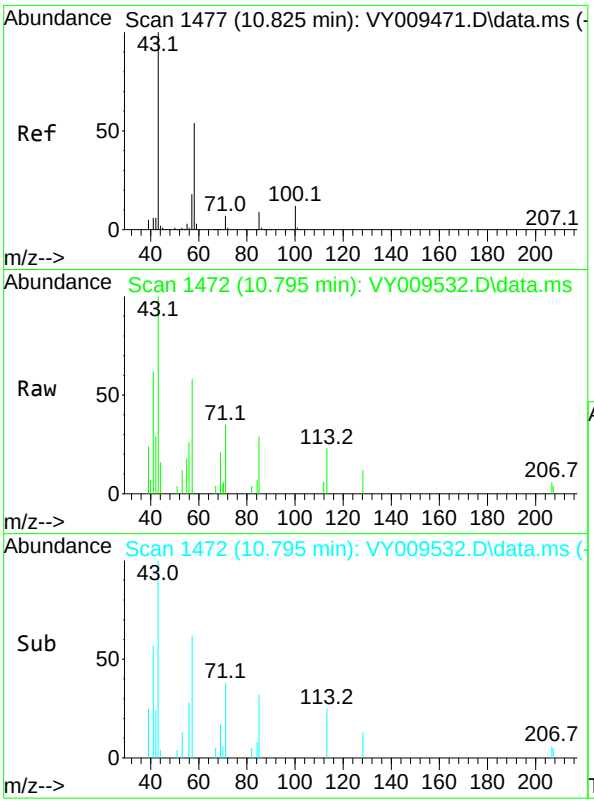


#51
4-Methyl-2-Pentanone
Concen: 1.293 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.006 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 43 Resp: 1035

Ion	Ratio	Lower	Upper
43	100		
58	52.8	28.1	42.1#



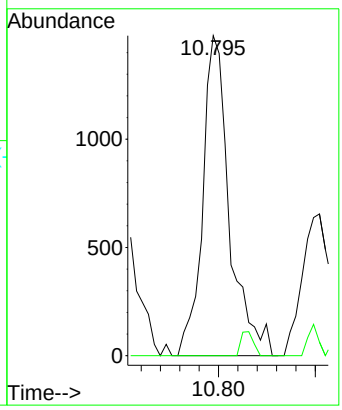


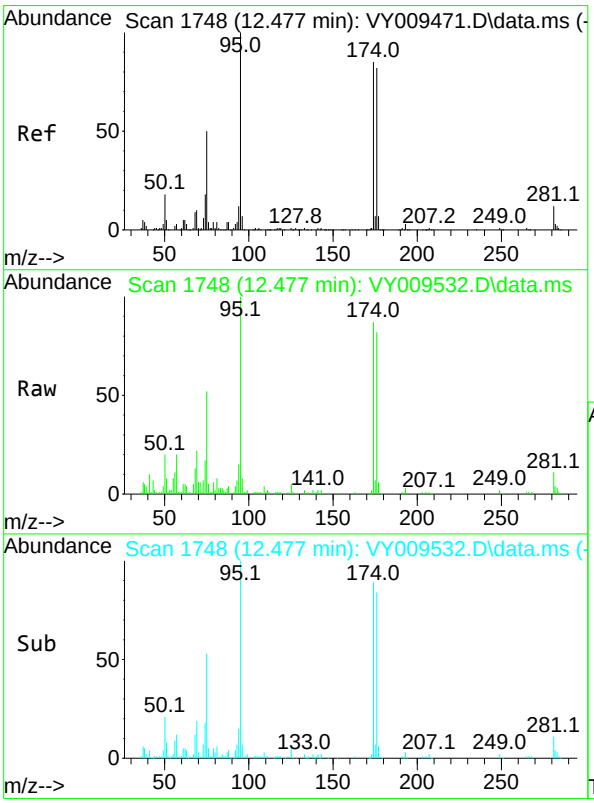
#59
2-Hexanone
Concen: 5.131 ug/l
RT: 10.795 min Scan# 14
Delta R.T. -0.030 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion: 43 Resp: 2847

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.4	73.4#

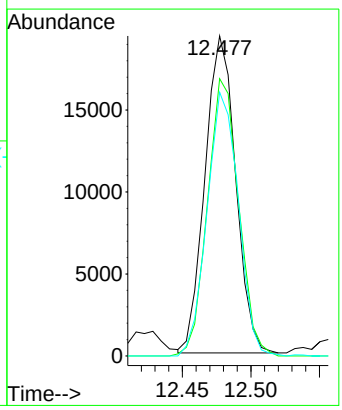


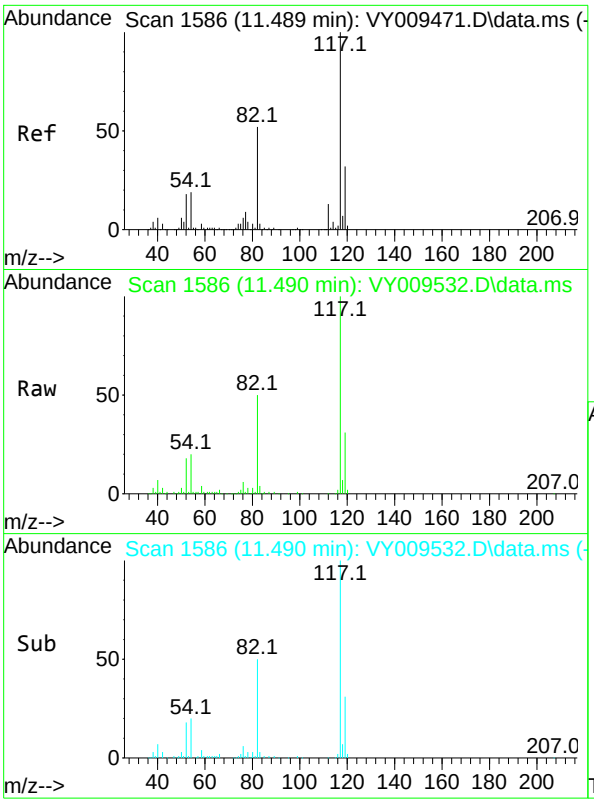


#62
4-Bromofluorobenzene
Concen: 26.654 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 95 Resp: 30086

Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	177.0
176	84.8	0.0	175.8



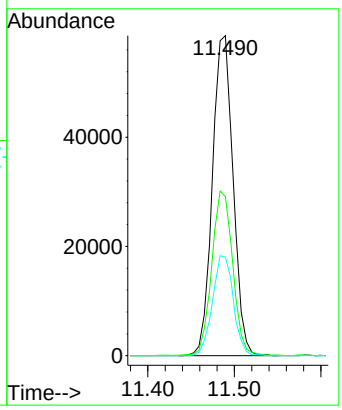


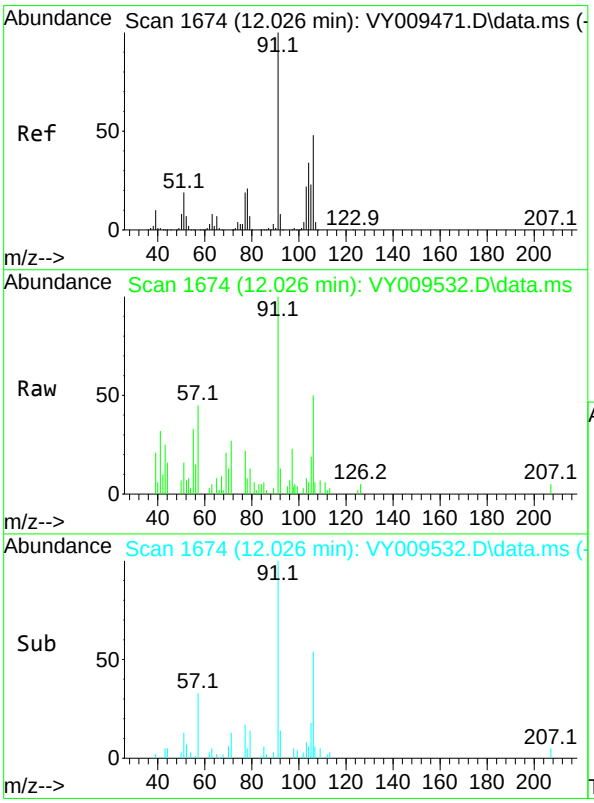
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion:117 Resp: 97256

Ion	Ratio	Lower	Upper
117	100		
82	49.5	43.0	64.4
119	30.9	25.4	38.0

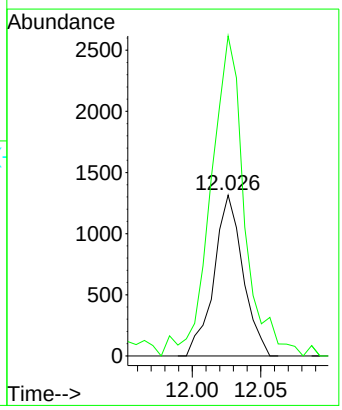


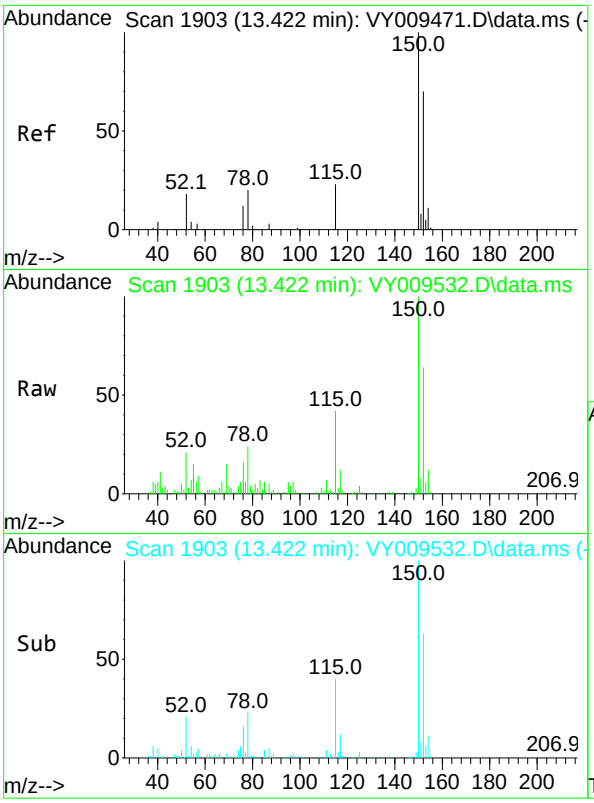


#69
o-Xylene
Concen: 1.553 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion:106 Resp: 1936

Ion	Ratio	Lower	Upper
106	100		
91	231.9	110.3	331.0



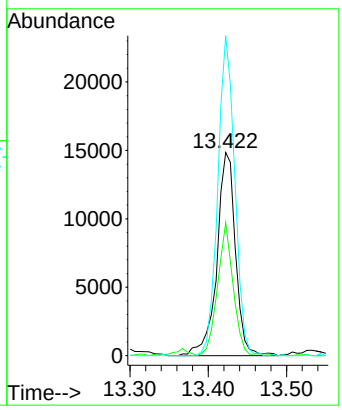


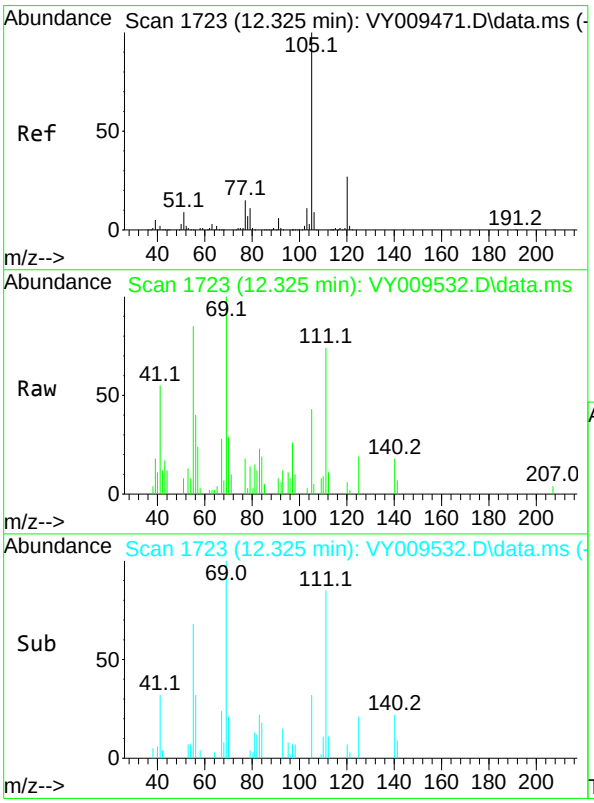
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion:152 Resp: 24630

Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.2	84.7
150	143.3	0.0	347.6

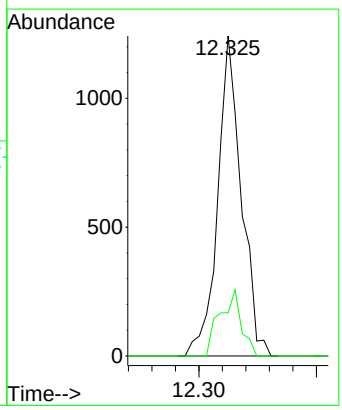


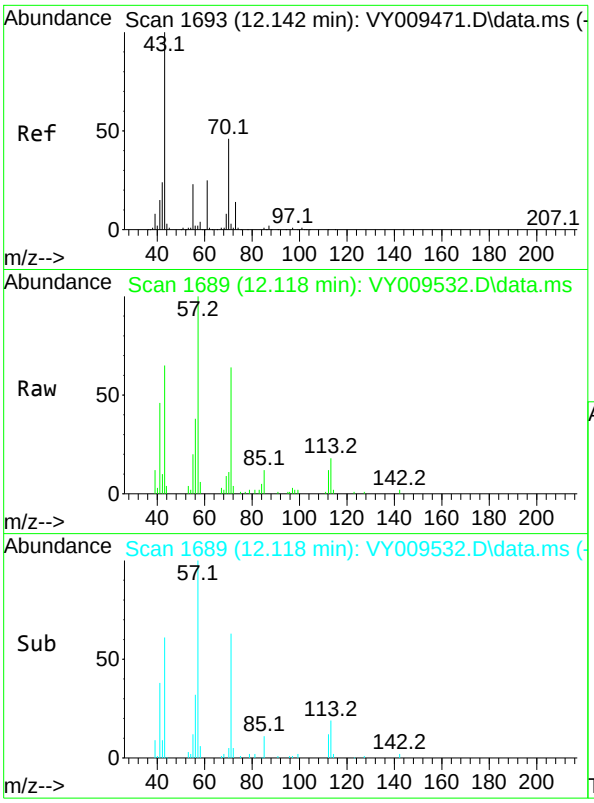


#73
Isopropylbenzene
Concen: 1.027 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion:105 Resp: 1730

Ion	Ratio	Lower	Upper
105	100		
120	18.8	13.4	40.2



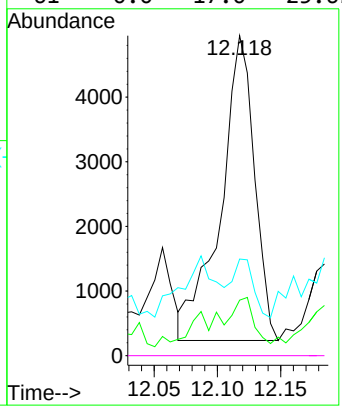


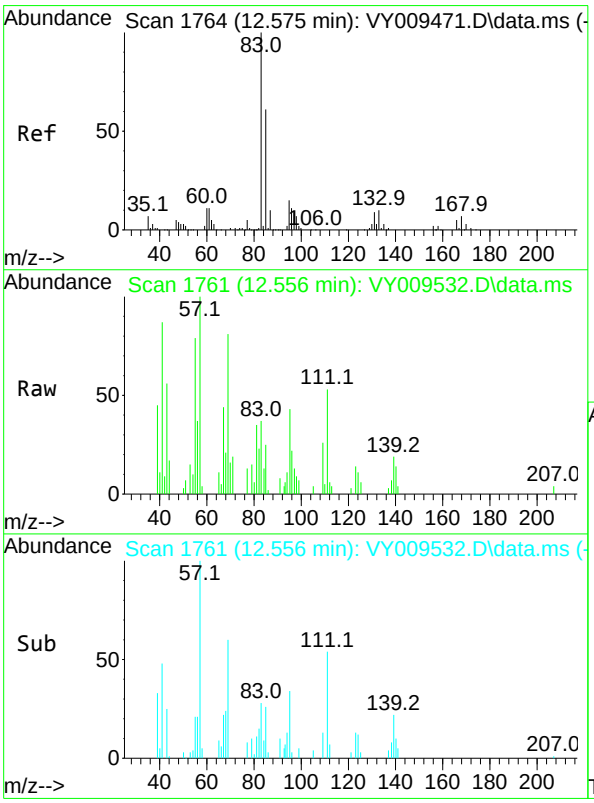
#74
N-amyl acetate
Concen: 18.318 ug/l
RT: 12.118 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion: 43 Resp: 8779

Ion	Ratio	Lower	Upper
43	100		
70	10.0	28.7	43.1#
55	14.9	17.3	25.9#
61	0.0	17.0	25.6#

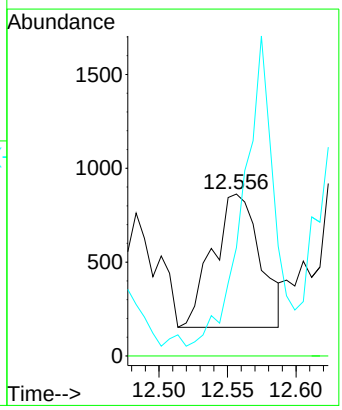


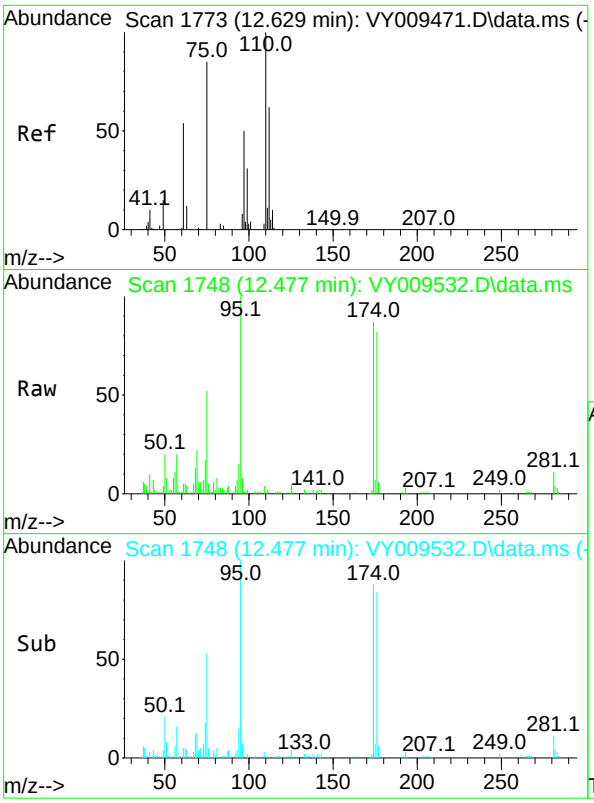


#75
1,1,2,2-Tetrachloroethane
Concen: 5.070 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.019 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 83 Resp: 1710

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	149.8	32.3	96.8#



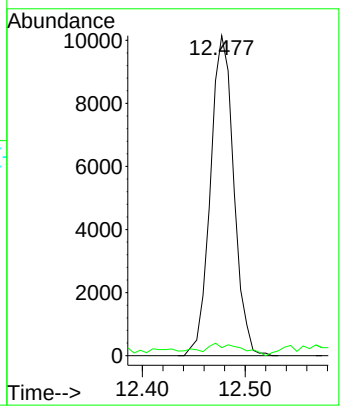


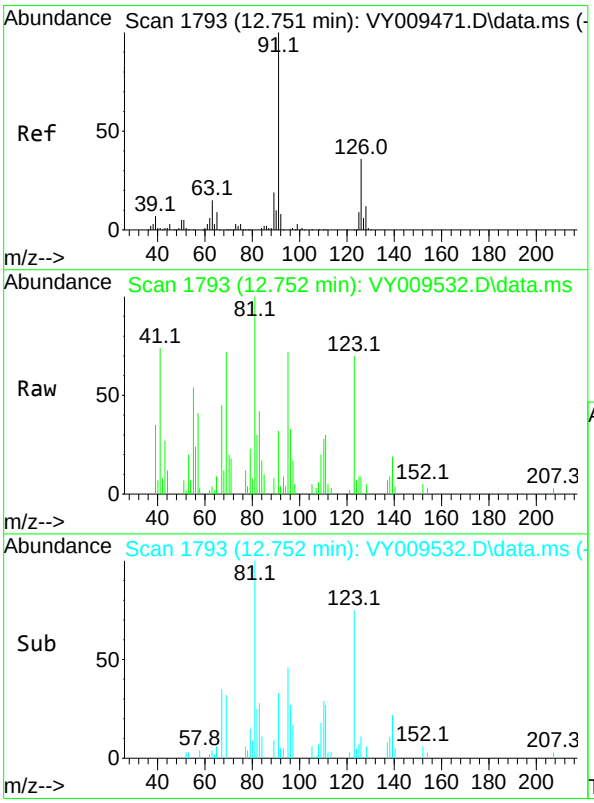
#76
1,2,3-Trichloropropane
Concen: 61.447 ug/l
RT: 12.477 min Scan# 1
Delta R.T. -0.152 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion: 75 Resp: 16021

Ion	Ratio	Lower	Upper
75	100		
77	5.2	0.0	0.0#

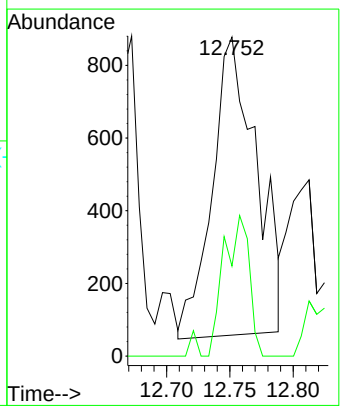


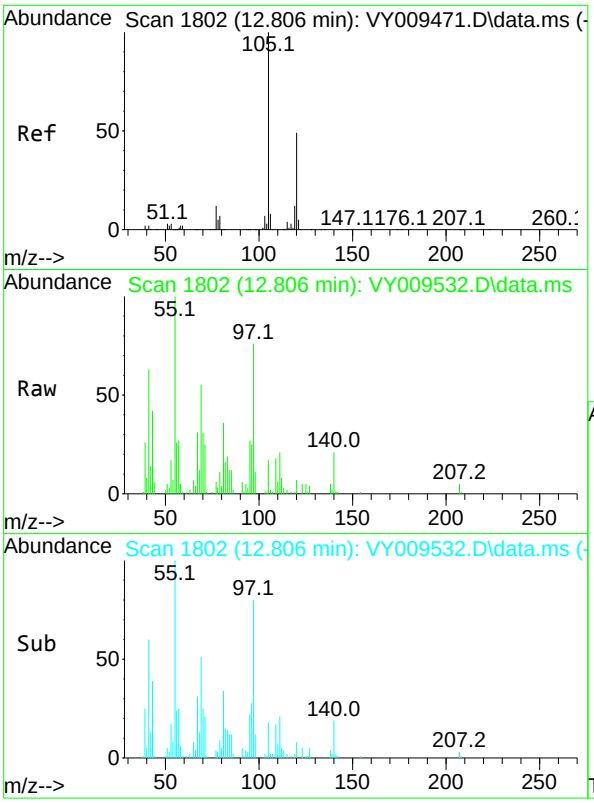


#79
2-Chlorotoluene
Concen: 1.762 ug/l
RT: 12.752 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 91 Resp: 2007

Ion	Ratio	Lower	Upper
91	100		
126	26.9	16.9	50.6



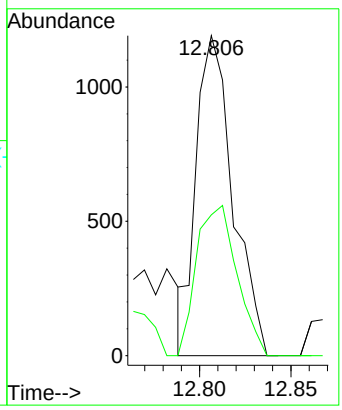


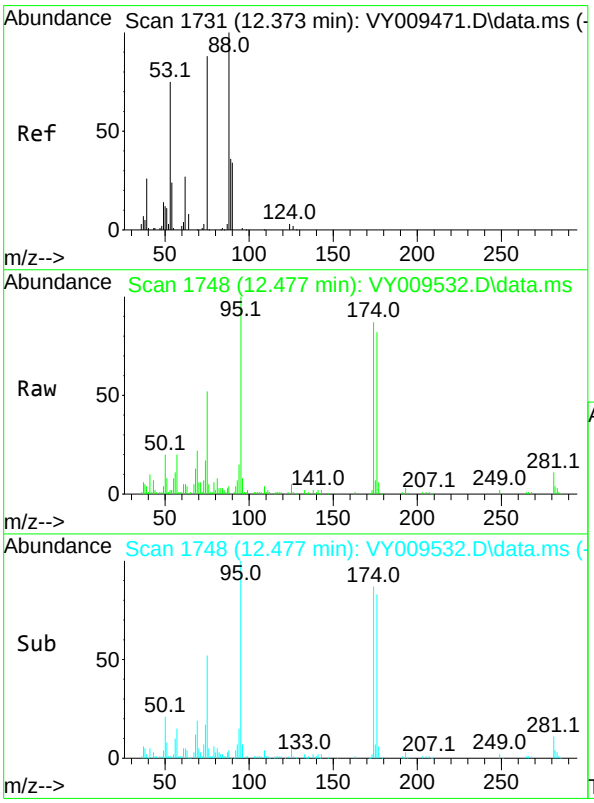
#80
1,3,5-Trimethylbenzene
Concen: 1.180 ug/l
RT: 12.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion:105 Resp: 1662

Ion	Ratio	Lower	Upper
105	100		
120	51.8	24.4	73.4

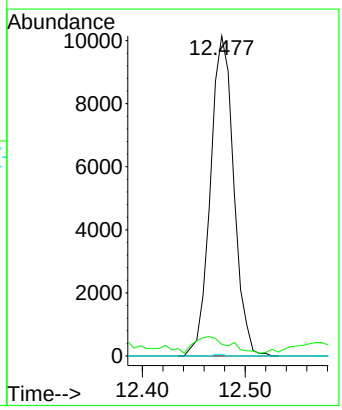


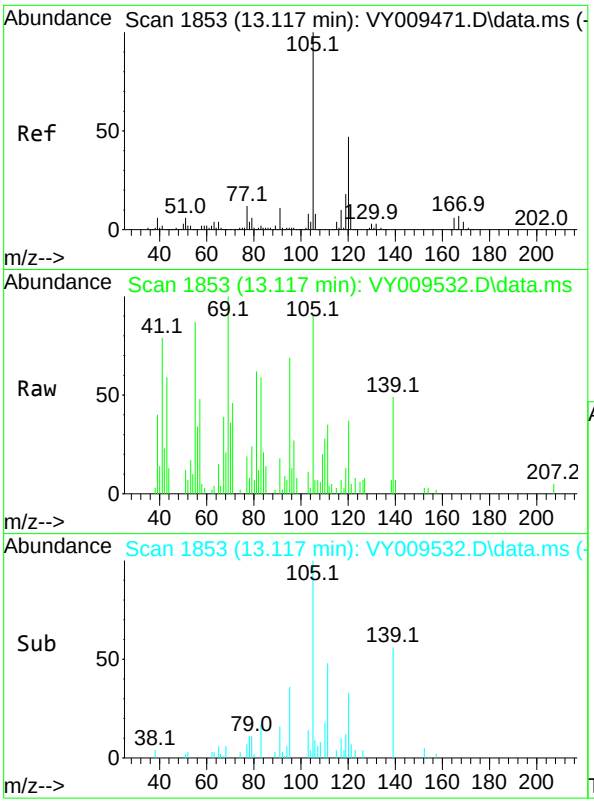


#81
trans-1,4-Dichloro-2-butene
Concen: 125.760 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion: 75 Resp: 16021

Ion	Ratio	Lower	Upper
75	100		
53	7.5	85.3	127.9#
89	0.2	37.0	55.4#



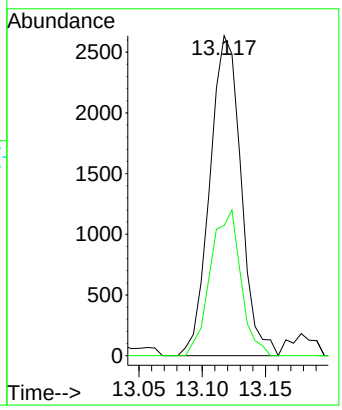


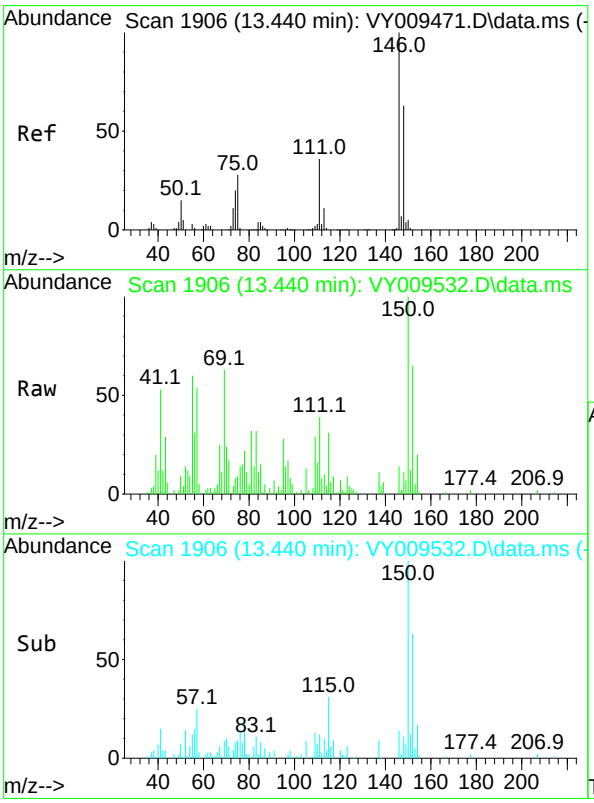
#84
1,2,4-Trimethylbenzene
Concen: 3.223 ug/l
RT: 13.117 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion:105 Resp: 4517

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.9

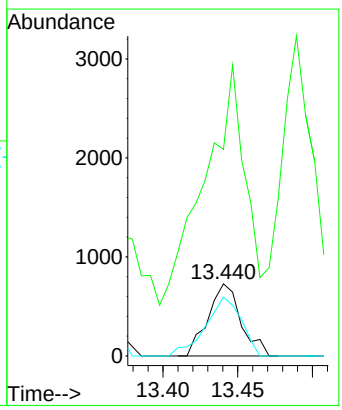


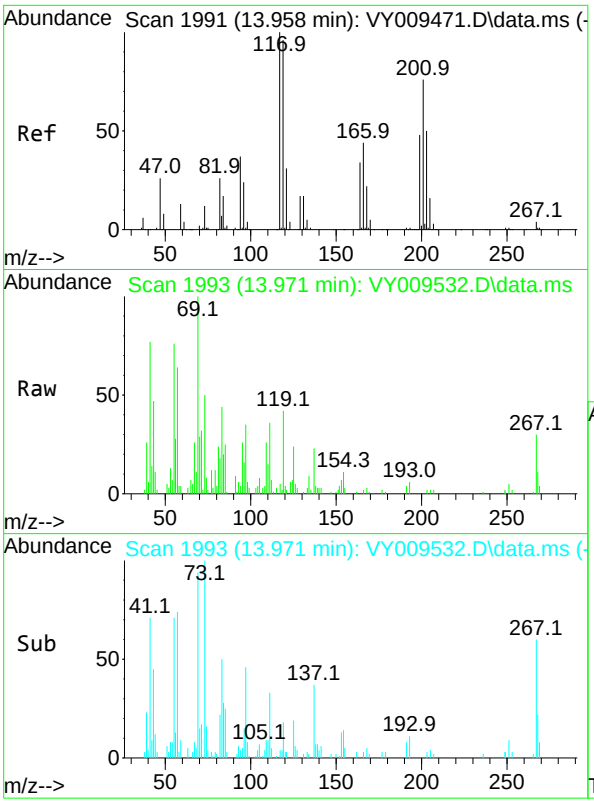


#88
1,4-Dichlorobenzene
Concen: 1.357 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion:146 Resp: 1112

Ion	Ratio	Lower	Upper
146	100		
111	406.0	19.3	57.8#
148	88.7	32.6	97.8



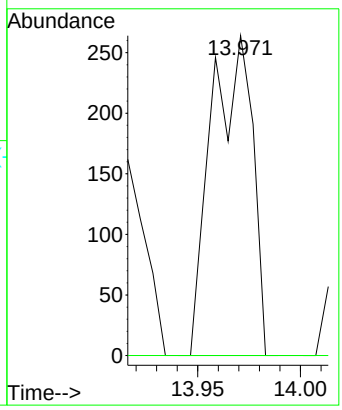


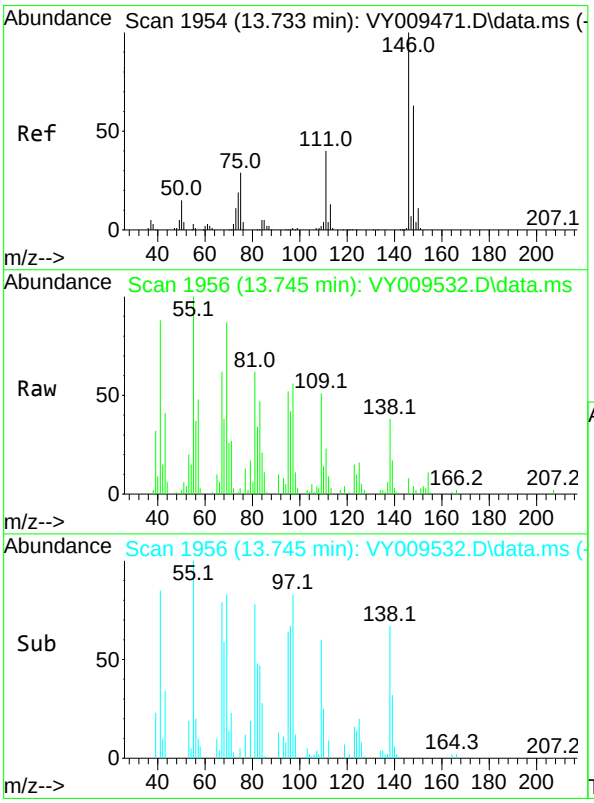
#90
Hexachloroethane
Concen: 1.216 ug/l
RT: 13.971 min Scan# 1
Delta R.T. 0.013 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion:117 Resp: 367

Ion	Ratio	Lower	Upper
117	100		
201	0.0	43.0	128.8#

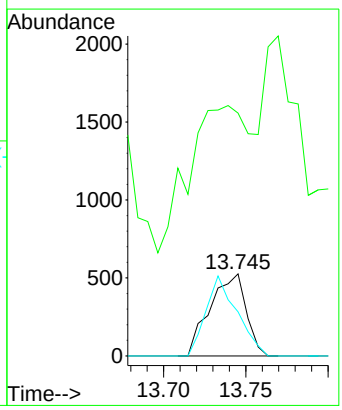


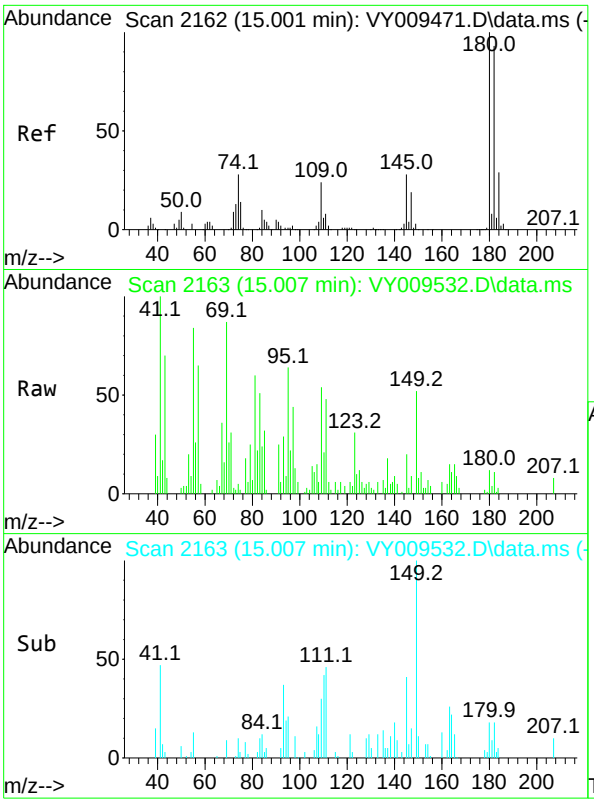


#91
1,2-Dichlorobenzene
Concen: 1.079 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.012 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion:146 Resp: 800

Ion	Ratio	Lower	Upper
146	100		
111	430.6	20.3	60.9#
148	84.1	32.3	96.9



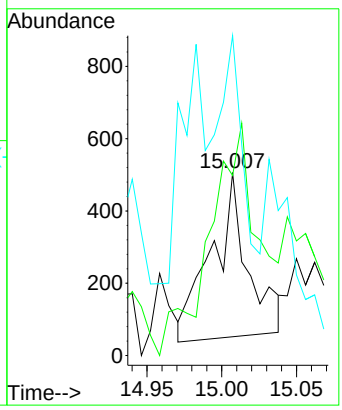


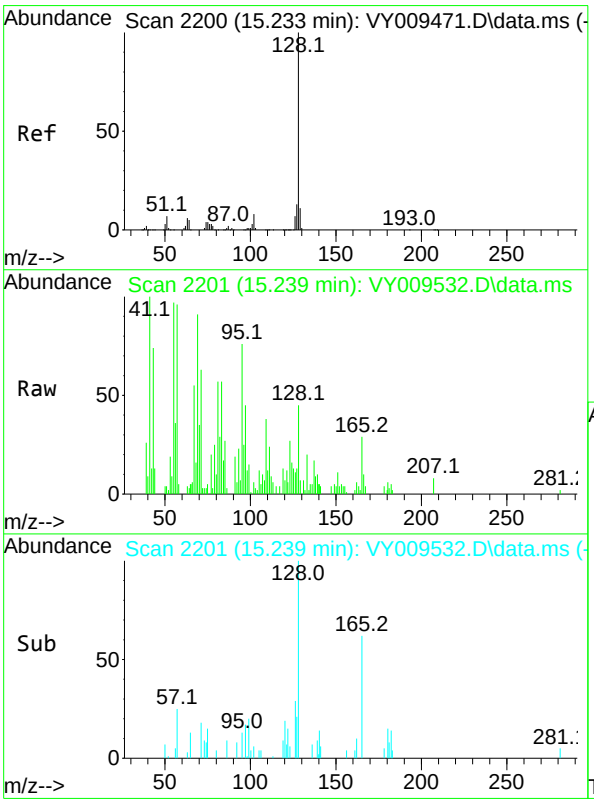
#93
1,2,4-Trichlorobenzene
Concen: 1.705 ug/l
RT: 15.007 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion:180 Resp: 771

Ion	Ratio	Lower	Upper
180	100		
182	191.3	47.3	141.9#
145	124.6	14.6	43.8#

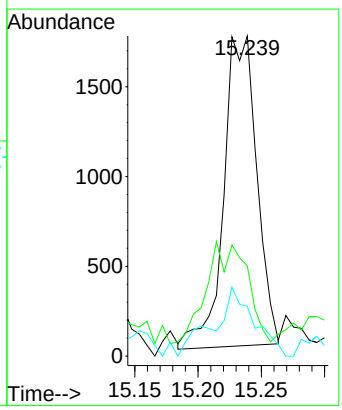


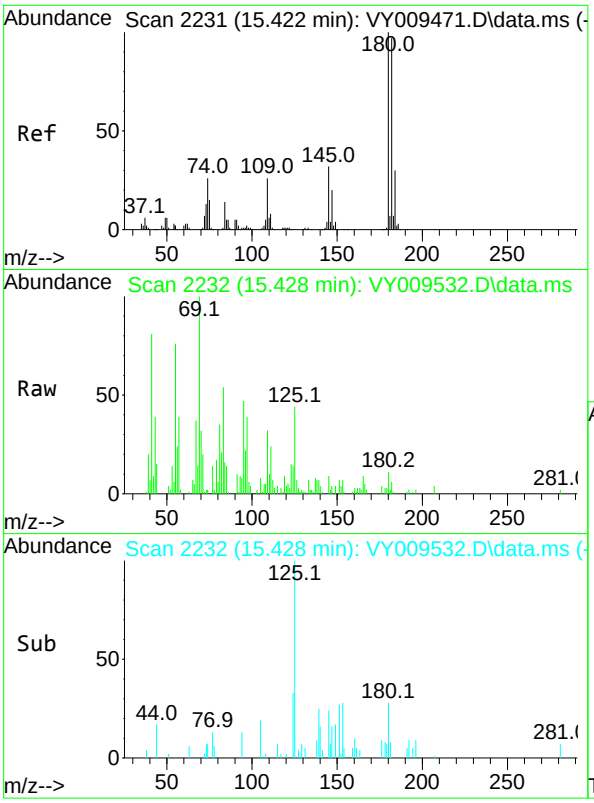


#95
Naphthalene
Concen: 3.356 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Tgt Ion:128 Resp: 3139

Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	28.0	8.4	12.6#





#96
1,2,3-Trichlorobenzene
Concen: 2.029 ug/l
RT: 15.428 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY009532.D
Acq: 12 Jul 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
20220503-FIELD-DUP-COMPOSITERE

Tgt Ion:180 Resp: 795

Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.3	141.9
145	0.0	15.3	45.9#