Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012523\
Data File : VX033885.D
Acq On : 25 Jan 2023 12:51
Operator : JC/MD
Sample : 01228-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 26 05:13:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 18 14:40:07 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.897	128	13824	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	94308	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	103276	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	31296	29.254	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.500%			
60) 4-Bromofluorobenzene	11.079	95	55376	29.993	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.967%			
63) Toluene-d8	8.647	98	98106	29.774	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.233%			
Target Compounds						Qvalue
12) Methyl Acetate	2.654	43	5829077	2718.820	ug/l #	54
13) Acrolein	2.239	56	124	0.517	ug/l	87
15) Acetone	2.392	58	1283413	6110.653	ug/l	89
16) Carbon Disulfide	2.514	76	890	0.295	ug/l #	76
17) Allyl chloride	2.654	41	2378994	1072.806	ug/l #	65
18) Methylene Chloride	2.788	84	684	0.494	ug/l #	90
20) Diisopropyl ether	3.757	45	3910	0.899	ug/l #	70
25) Chloroform	5.099	83	5869	2.453	ug/l	89
30) 2-Butanone	4.568	43	7724	7.718	ug/l #	78
38) Methylcyclohexane	7.818	83	716	0.329	ug/l #	19
41) Bromodichloromethane	7.818	83	716	0.401	ug/l #	84
45) 1,4-Dioxane	7.708	88	50013	1626.766	ug/l #	91
46) Methyl methacrylate	7.708	41	744	0.493	ug/l #	45
55) 2-Chloroethyl vinyl ether	8.256	63	237	0.246	ug/l #	80
58) 4-Methyl-2-Pentanone	8.580	43	1121	0.604	ug/l #	74
59) 2-Hexanone	9.433	43	27054	19.396	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.280	83	832	0.416	ug/l #	42
77) t-1,4-Dichloro-2-butene	11.018	75	2168	3.873	ug/l #	6
85) n-Butylbenzene	12.335	91	1806	0.372	ug/l	85
88) 1,2-Dibromo-3-Chloropr...	12.914	75	83	0.203	ug/l #	1
89) 1,2,4-Trichlorobenzene	13.591	180	726	0.332	ug/l	87
90) Hexachlorobutadiene	13.725	225	671	0.654	ug/l	88
91) Naphthalene	13.780	128	2171	0.338	ug/l #	96
92) 1,2,3-Trichlorobenzene	13.963	180	726	0.338	ug/l	99

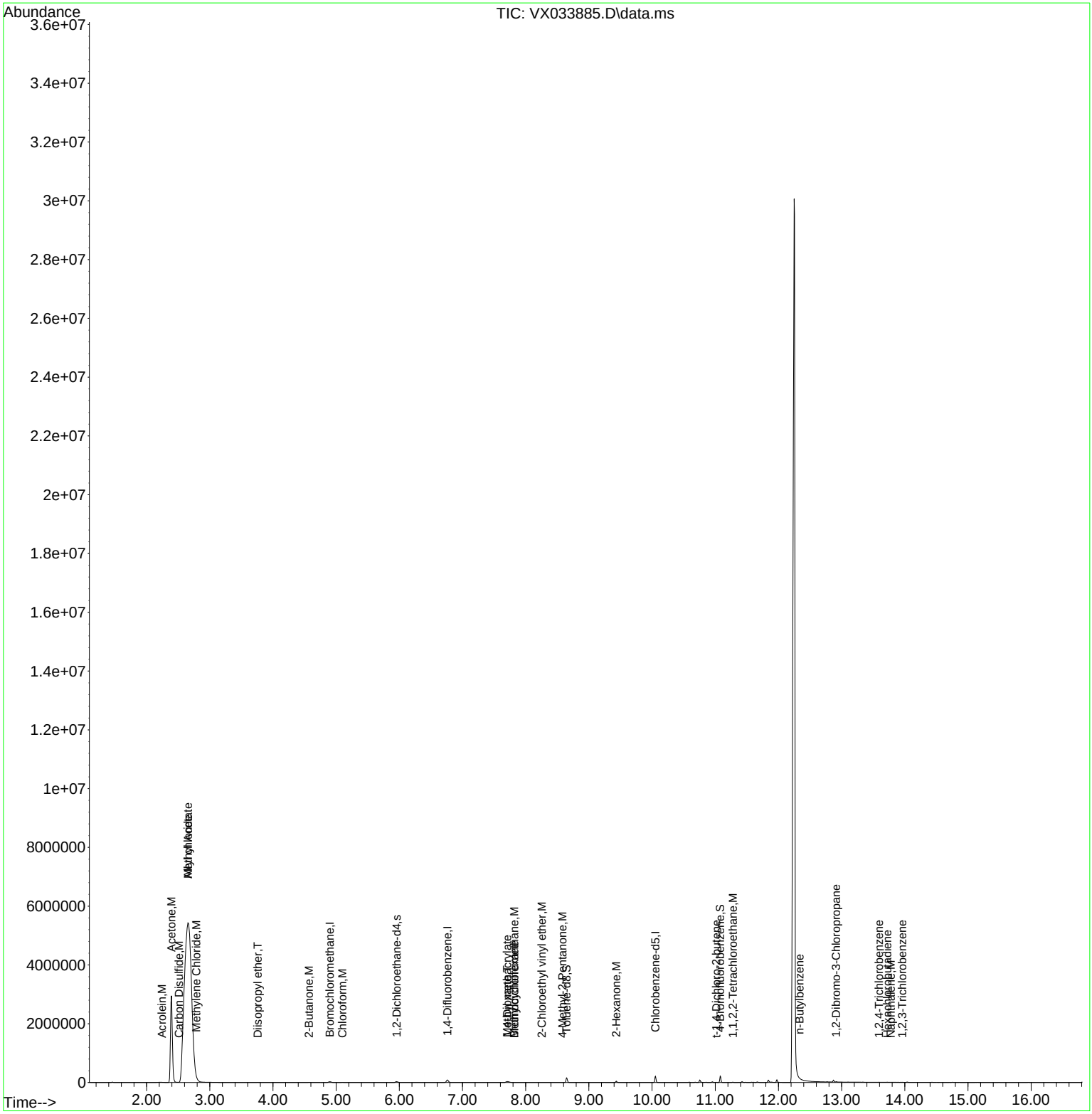
(#) = qualifier out of range (m) = manual integration (+) = signals summed

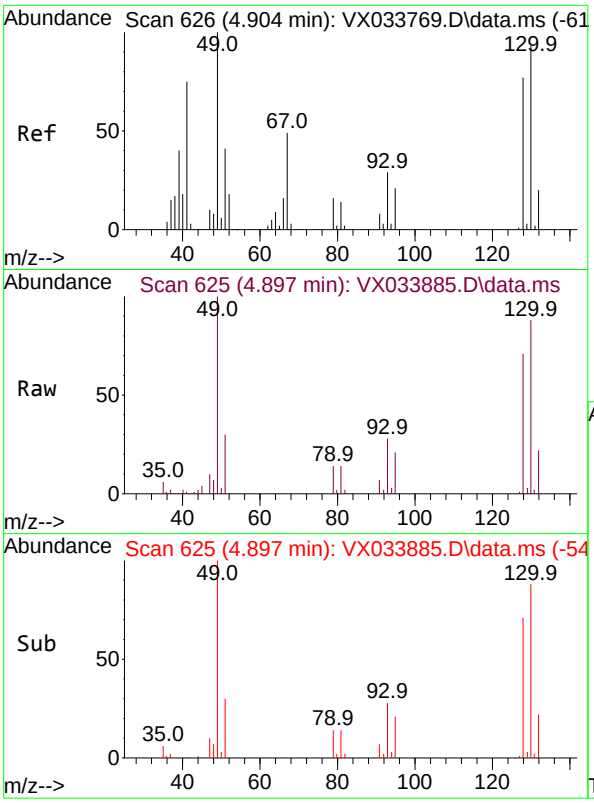
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012523\
Data File : VX033885.D
Acq On : 25 Jan 2023 12:51
Operator : JC/MD
Sample : 01228-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 26 05:13:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 18 14:40:07 2023
Response via : Initial Calibration



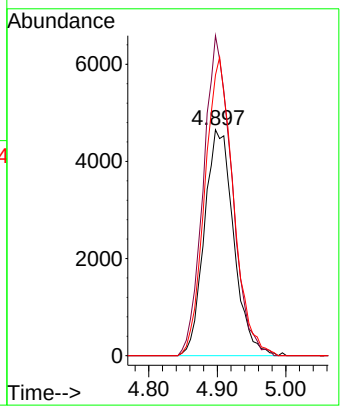


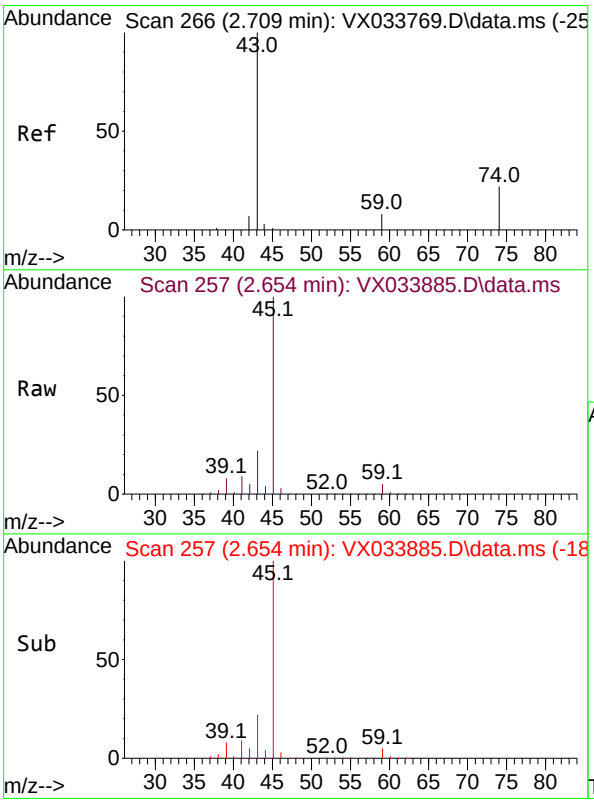
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 13824

Ion	Ratio	Lower	Upper
128	100		
49	136.8	0.0	369.0
130	128.6	0.0	327.5

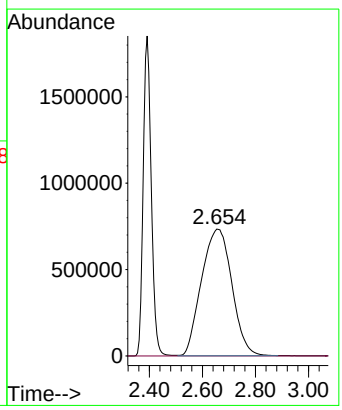


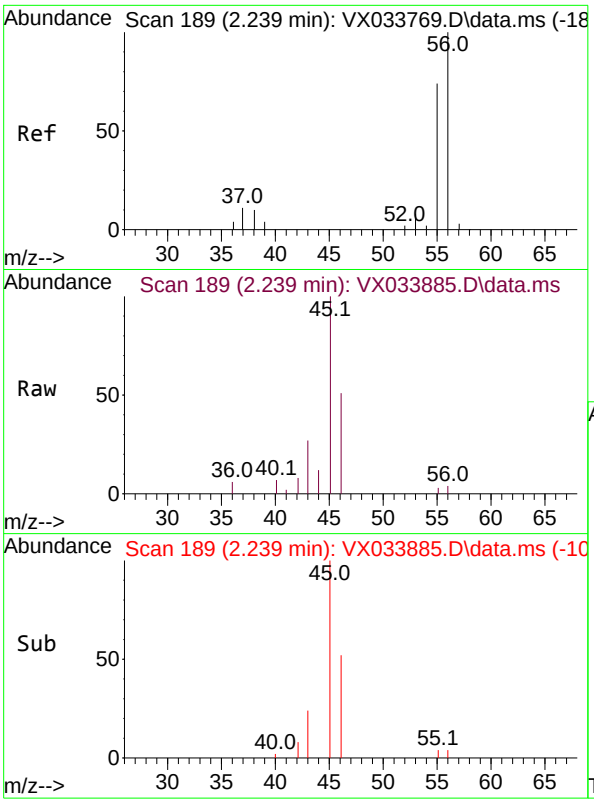


#12
Methyl Acetate
Concen: 2718.820 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.055 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 43 Resp: 5829077

Ion	Ratio	Lower	Upper
43	100		
74	0.0	17.6	26.4#



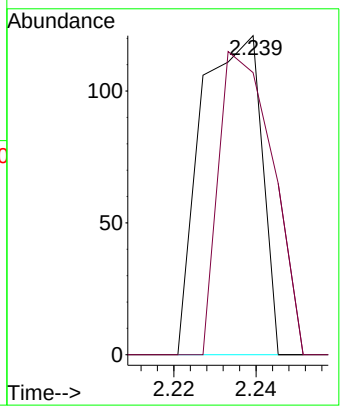


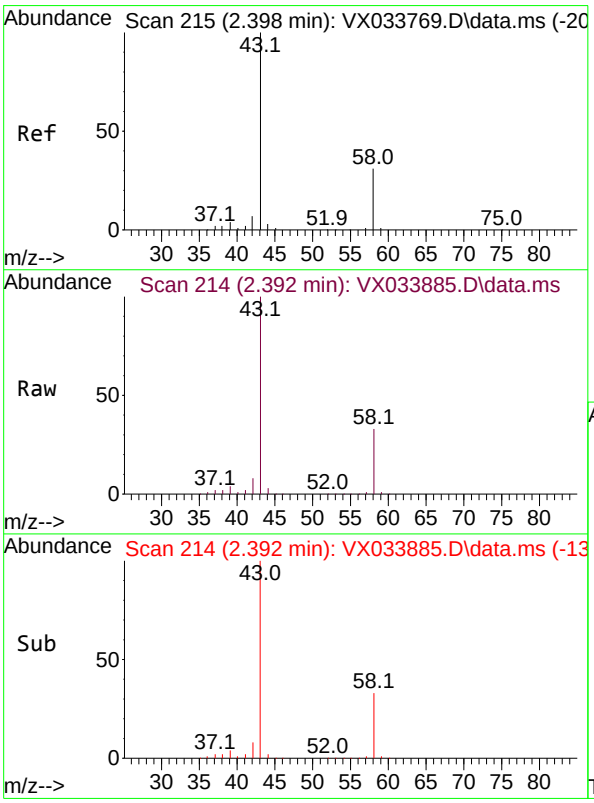
#13
Acrolein
Concen: 0.517 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 56 Resp: 124

Ion	Ratio	Lower	Upper
56	100		
55	84.7	58.8	88.2

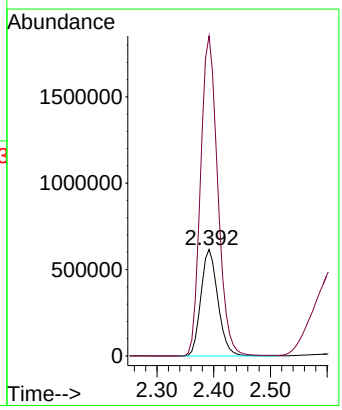


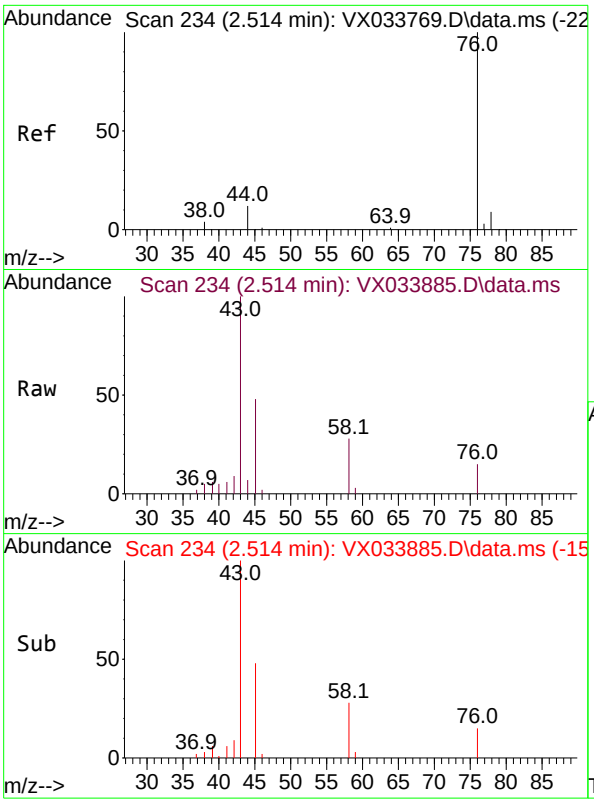


#15
Acetone
Concen: 6110.653 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 58 Resp: 1283413

Ion	Ratio	Lower	Upper
58	100		
43	300.4	258.6	388.0



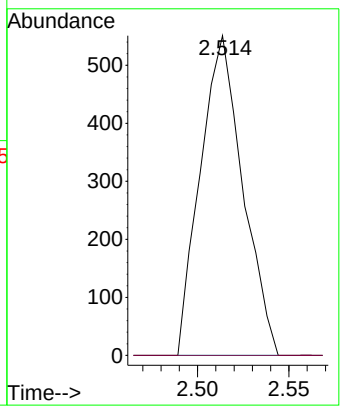


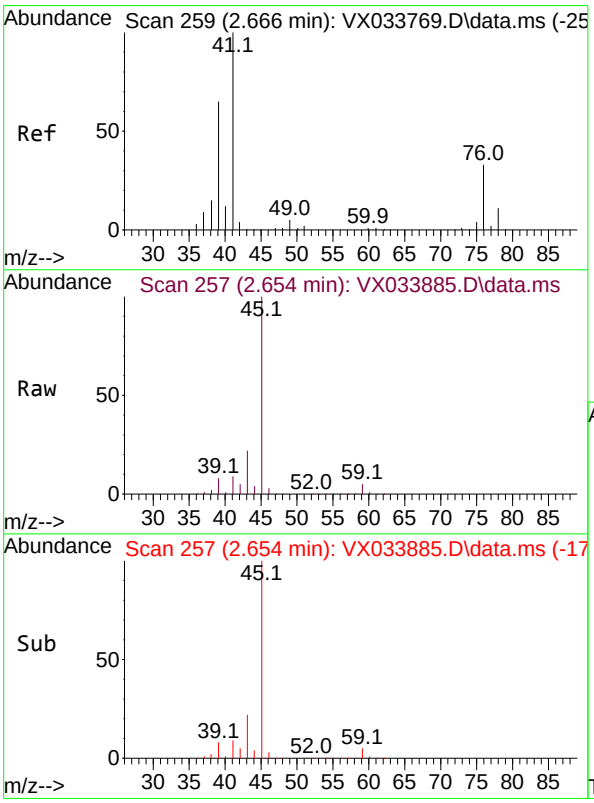
#16
Carbon Disulfide
Concen: 0.295 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 76 Resp: 890

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.9	10.3#

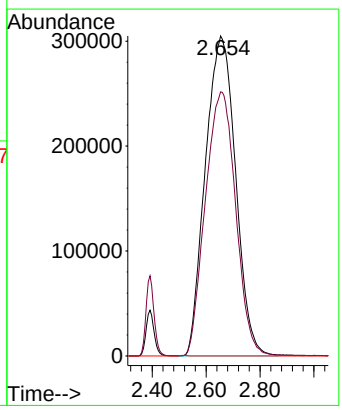


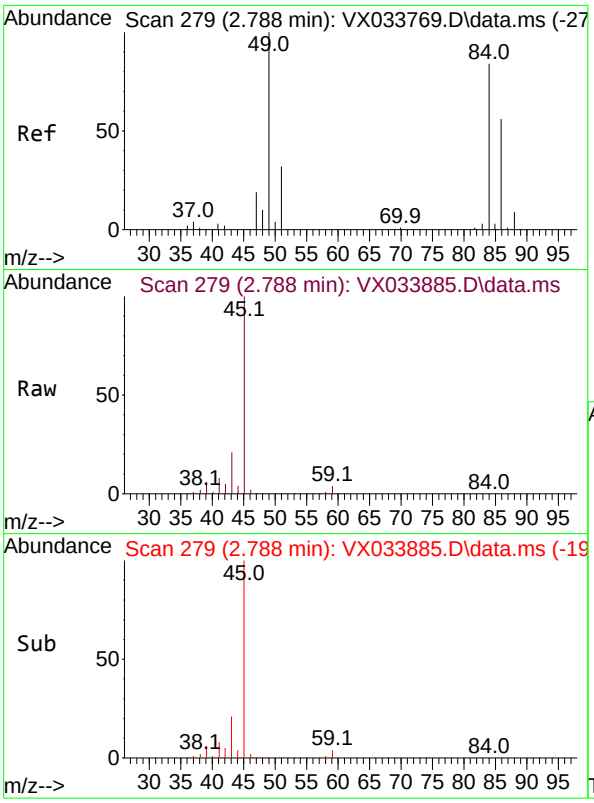


#17
Allyl chloride
Concen: 1072.806 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.012 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 41 Resp: 2378994

Ion	Ratio	Lower	Upper
41	100		
39	82.5	32.5	97.4
76	0.0	16.6	49.8#



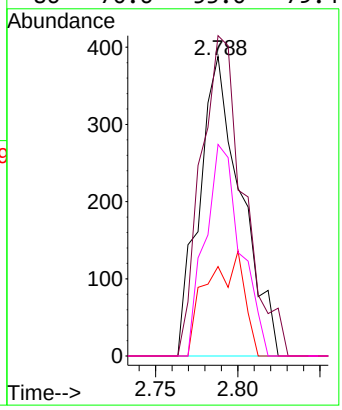


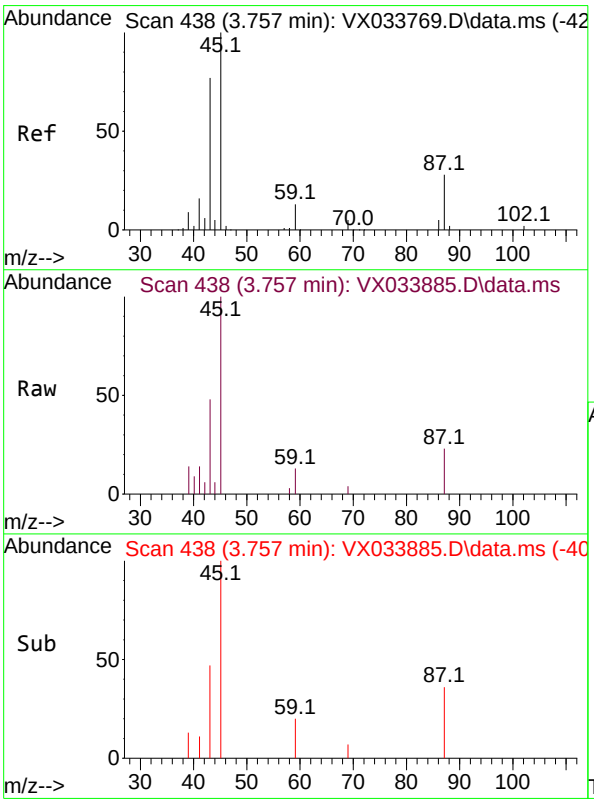
#18
Methylene Chloride
Concen: 0.494 ug/l
RT: 2.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 684

Ion	Ratio	Lower	Upper
84	100		
49	107.0	95.0	142.6
51	29.9	30.3	45.5#
86	70.6	53.0	79.4

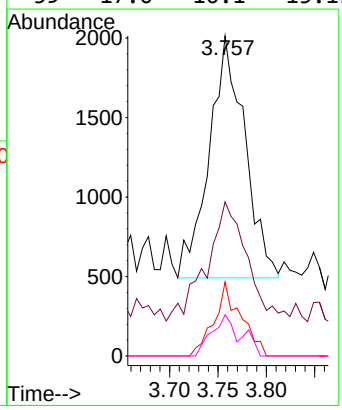


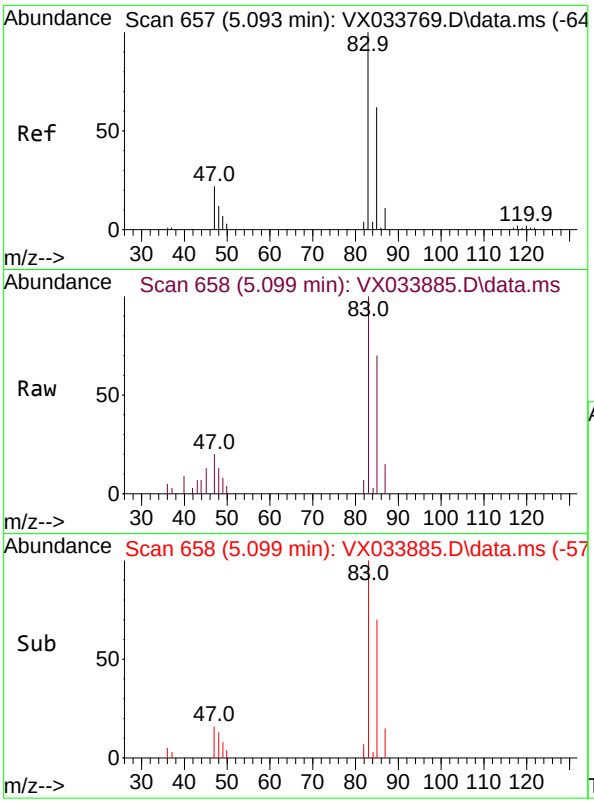


#20
Diisopropyl ether
Concen: 0.899 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 45 Resp: 3910

Ion	Ratio	Lower	Upper
45	100		
43	45.9	66.6	99.8#
87	30.6	22.3	33.5
59	17.0	10.1	15.1#



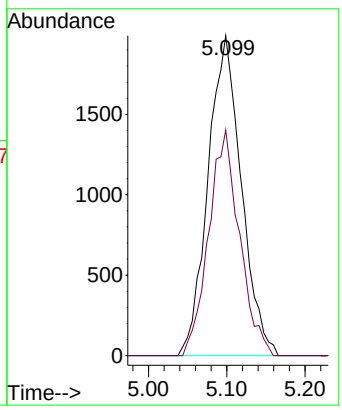


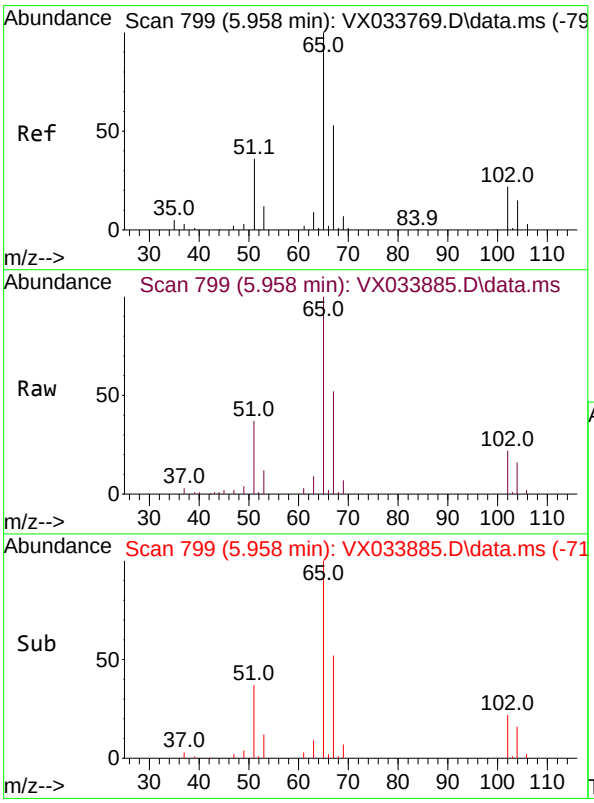
#25
Chloroform
Concen: 2.453 ug/l
RT: 5.099 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 83 Resp: 5869

Ion	Ratio	Lower	Upper
83	100		
85	70.5	49.7	74.5

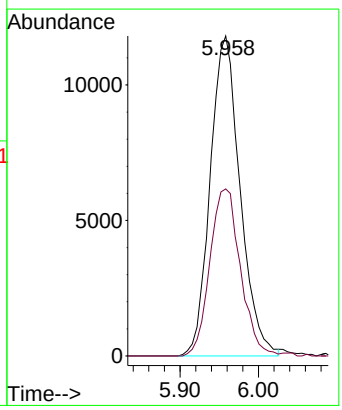


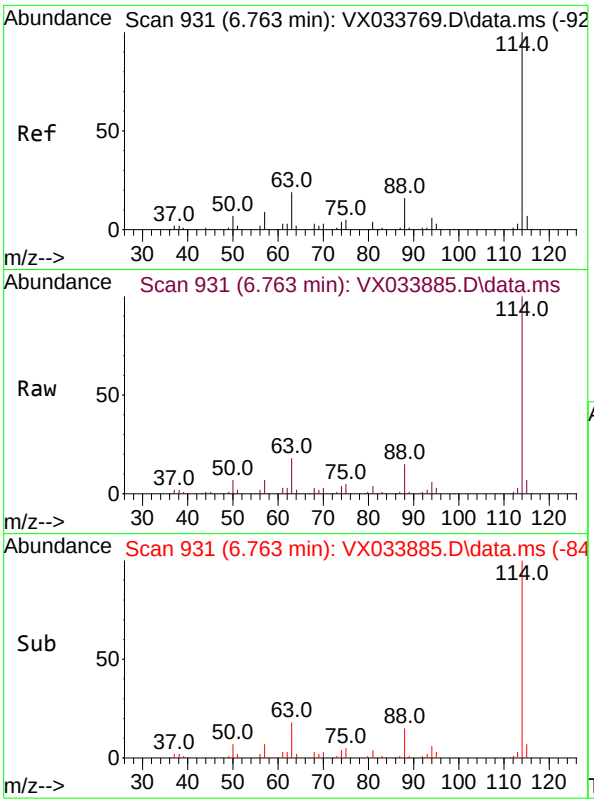


#27
1,2-Dichloroethane-d4
Concen: 29.254 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 65 Resp: 31296

Ion	Ratio	Lower	Upper
65	100		
67	53.3	43.0	64.4



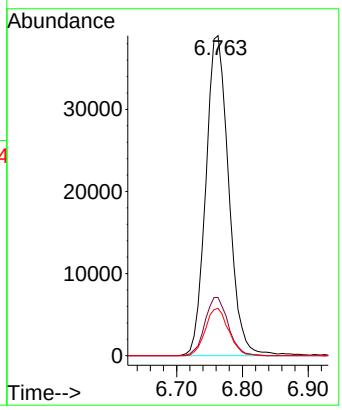


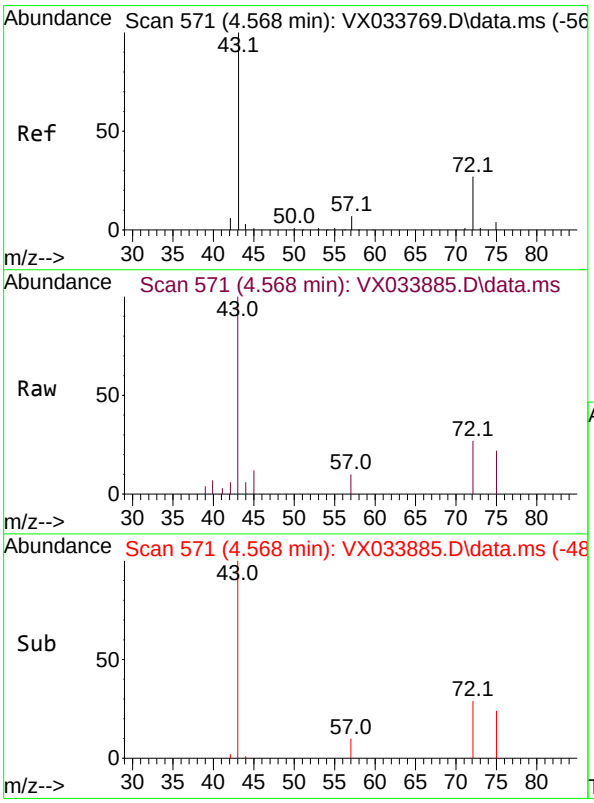
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:114 Resp: 94308

Ion	Ratio	Lower	Upper
114	100		
63	18.5	15.2	22.8
88	15.0	12.4	18.6

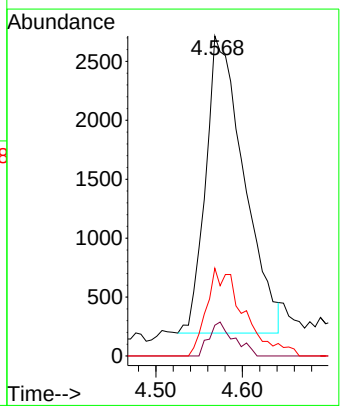


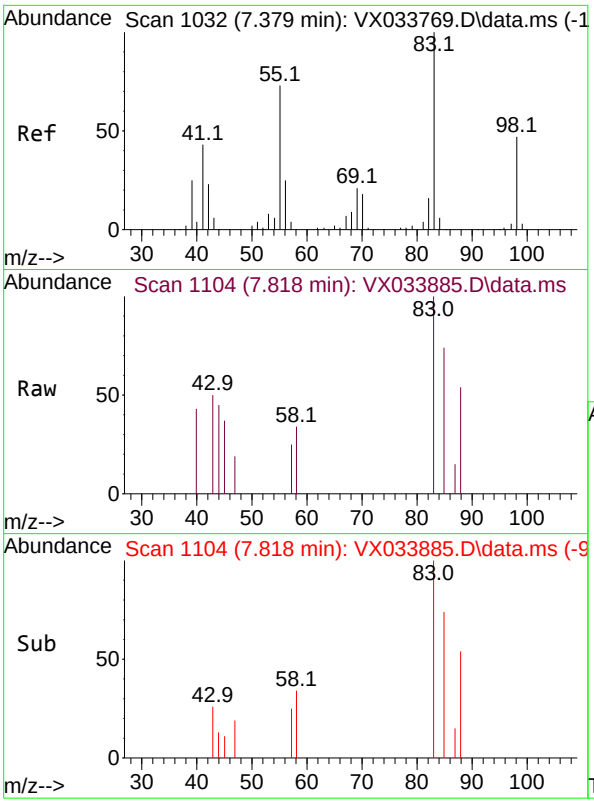


#30
2-Butanone
Concen: 7.718 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 43 Resp: 7724

Ion	Ratio	Lower	Upper
43	100		
57	7.5	6.0	9.0
72	11.5	20.6	30.8#



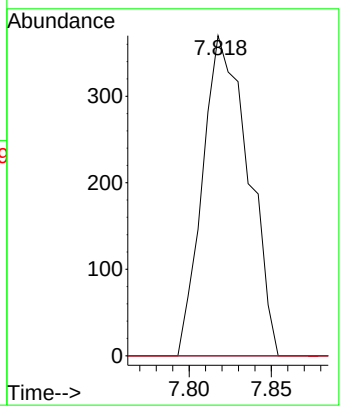


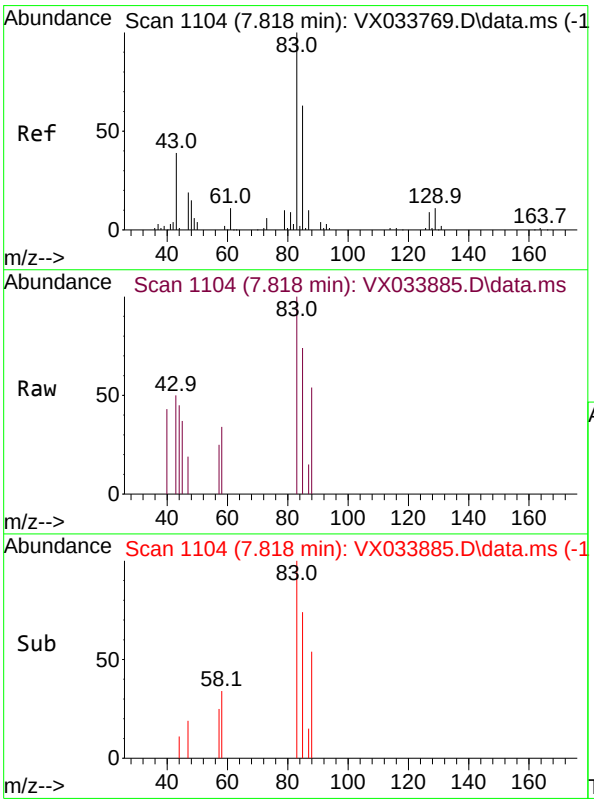
#38
Methylcyclohexane
Concen: 0.329 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.439 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 83 Resp: 716

Ion	Ratio	Lower	Upper
83	100		
55	2.9	38.9	116.6#
98	0.0	25.4	76.4#

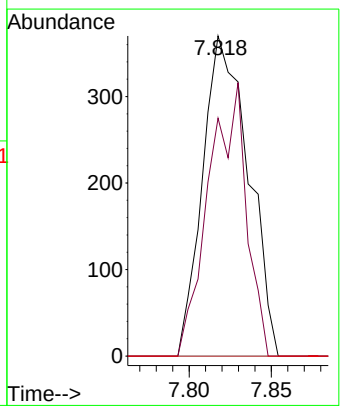


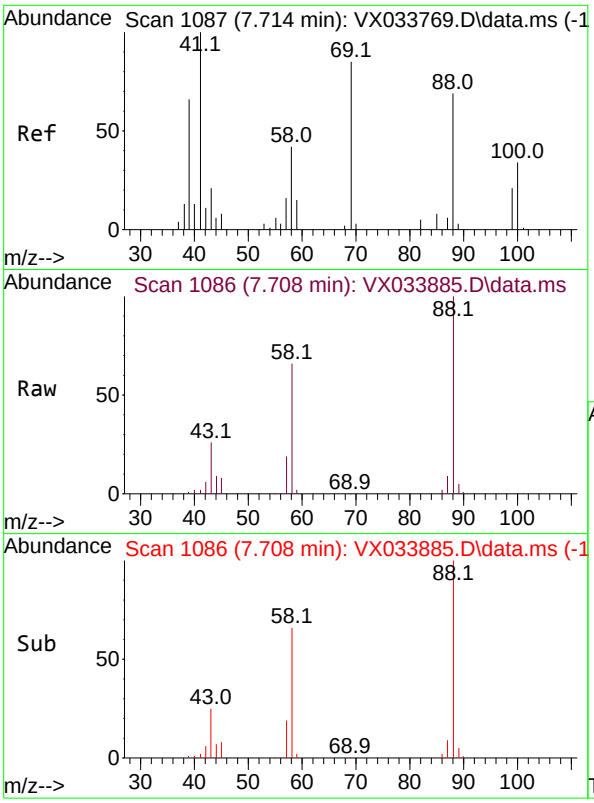


#41
Bromodichloromethane
Concen: 0.401 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 83 Resp: 716

Ion	Ratio	Lower	Upper
83	100		
85	74.3	50.5	75.7
127	0.0	7.2	10.8#



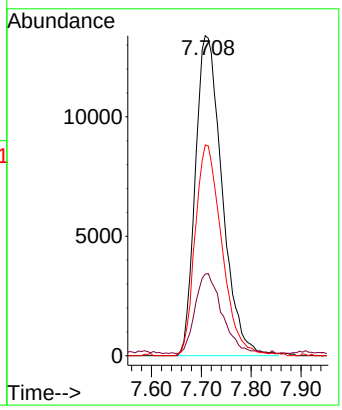


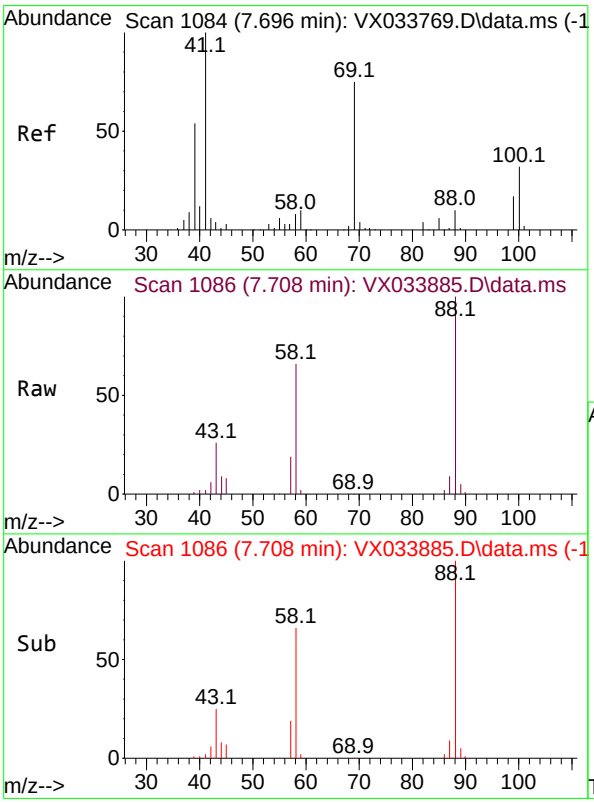
#45
1,4-Dioxane
Concen: 1626.766 ug/l
RT: 7.708 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 88 Resp: 50013

Ion	Ratio	Lower	Upper
88	100		
43	25.1	2.8	4.2#
58	65.4	56.5	84.7

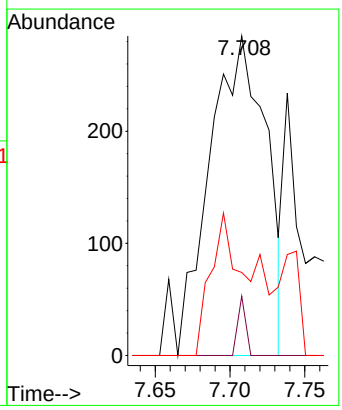


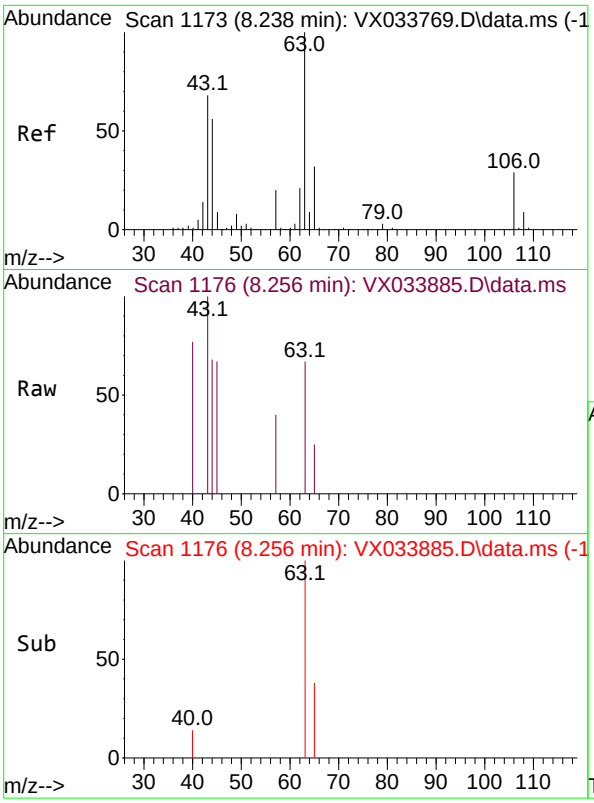


#46
Methyl methacrylate
Concen: 0.493 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.012 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 41 Resp: 744

Ion	Ratio	Lower	Upper
41	100		
69	18.6	37.4	112.2#
39	26.0	27.2	81.5#



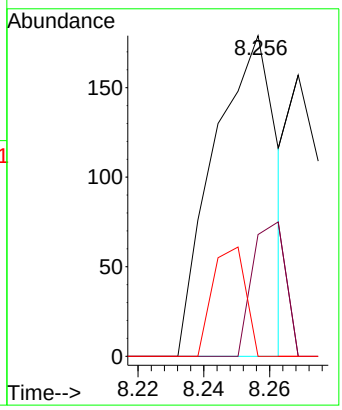


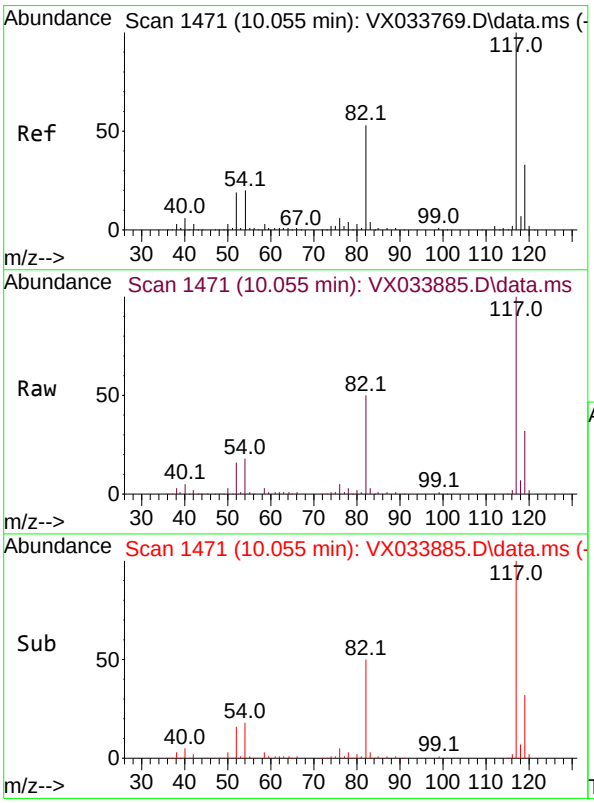
#55
2-Chloroethyl vinyl ether
Concen: 0.246 ug/l
RT: 8.256 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 63 Resp: 237

Ion	Ratio	Lower	Upper
63	100		
65	21.9	25.4	38.2#
106	17.7	23.9	35.9#

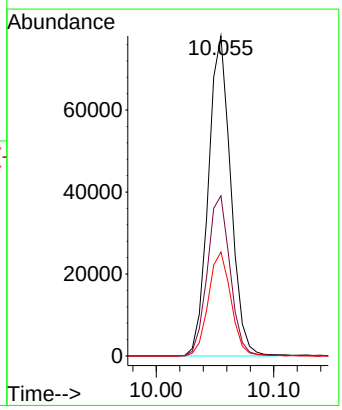


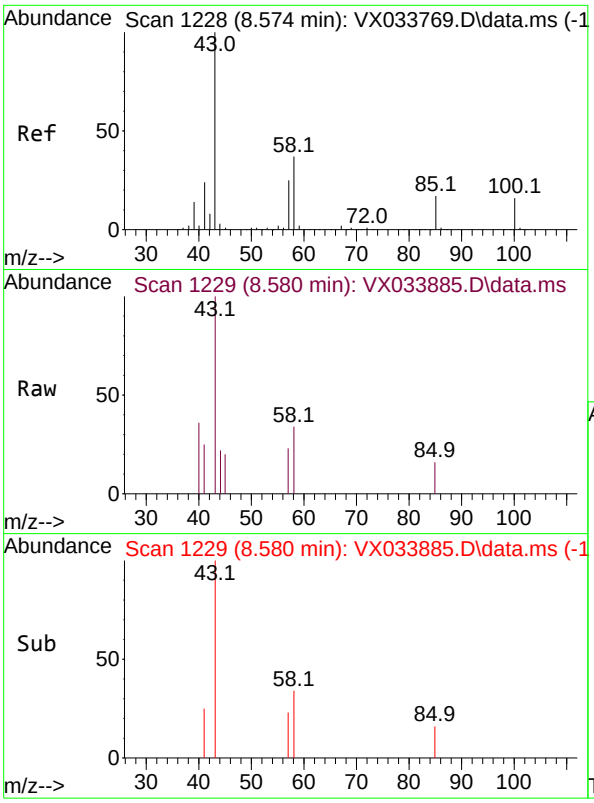


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion:117 Resp: 103276

Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.6	64.0
119	32.8	26.4	39.6



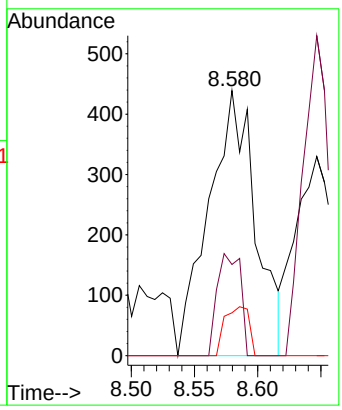


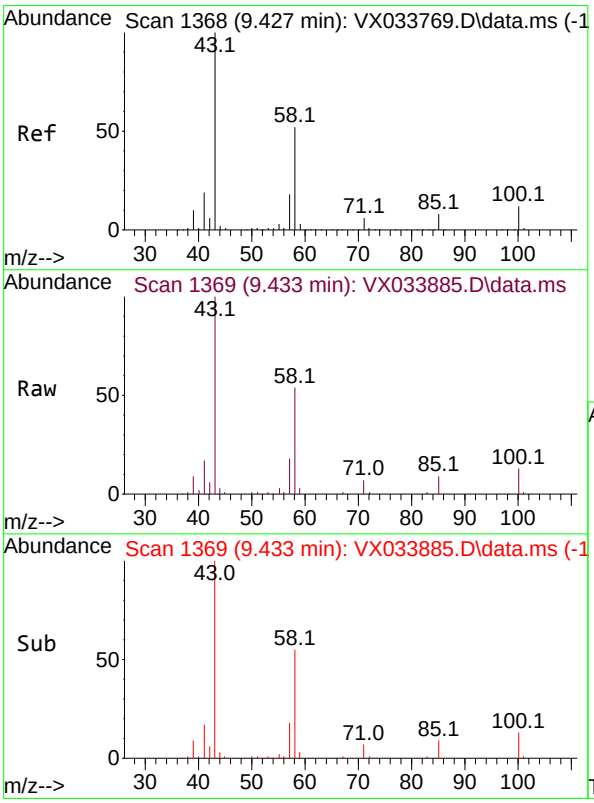
#58
4-Methyl-2-Pentanone
Concen: 0.604 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 1121

Ion	Ratio	Lower	Upper
43	100		
58	19.3	29.8	44.6#
85	9.6	13.7	20.5#

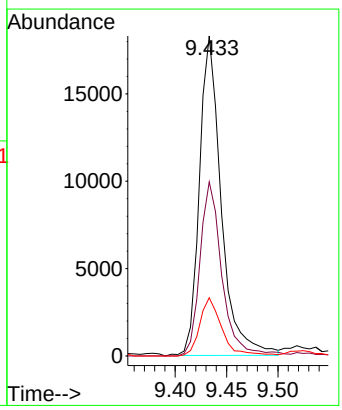


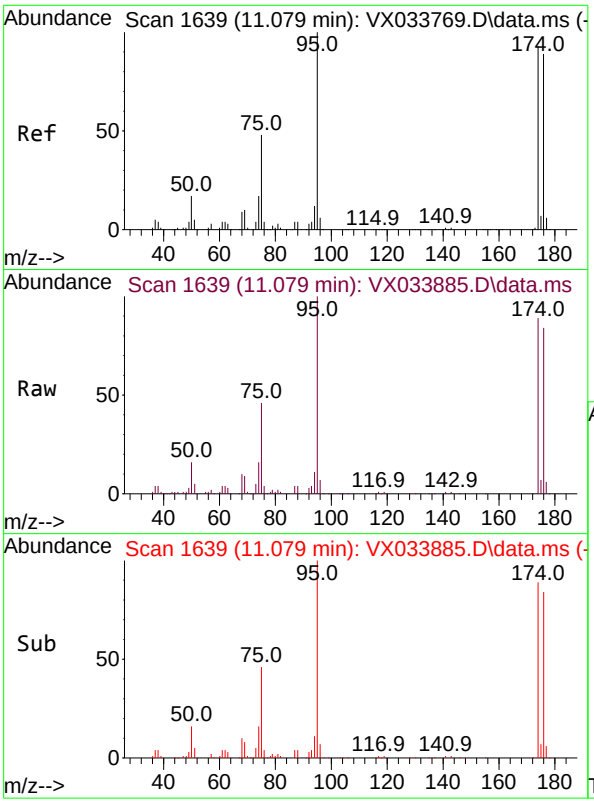


#59
2-Hexanone
Concen: 19.396 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 43 Resp: 27054

Ion	Ratio	Lower	Upper
43	100		
58	54.1	41.6	62.4
57	18.5	14.6	21.8



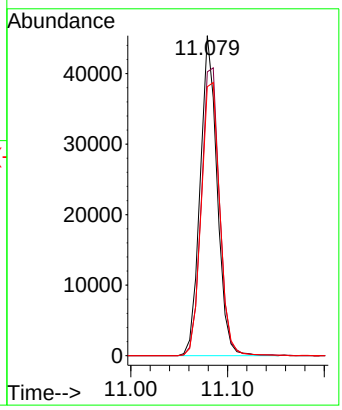


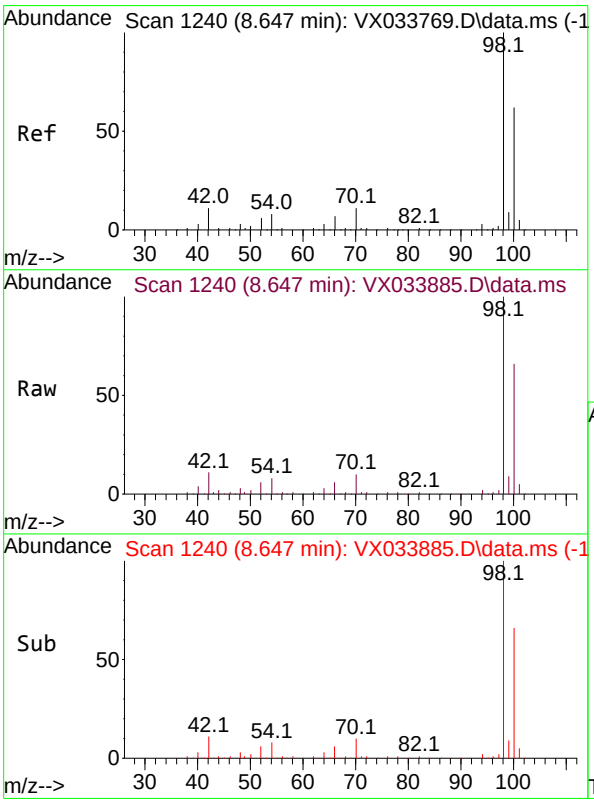
#60
4-Bromofluorobenzene
Concen: 29.993 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 95 Resp: 55376

Ion	Ratio	Lower	Upper
95	100		
174	96.2	74.6	111.8
176	93.3	72.2	108.2

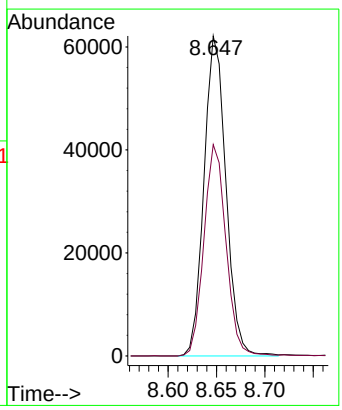


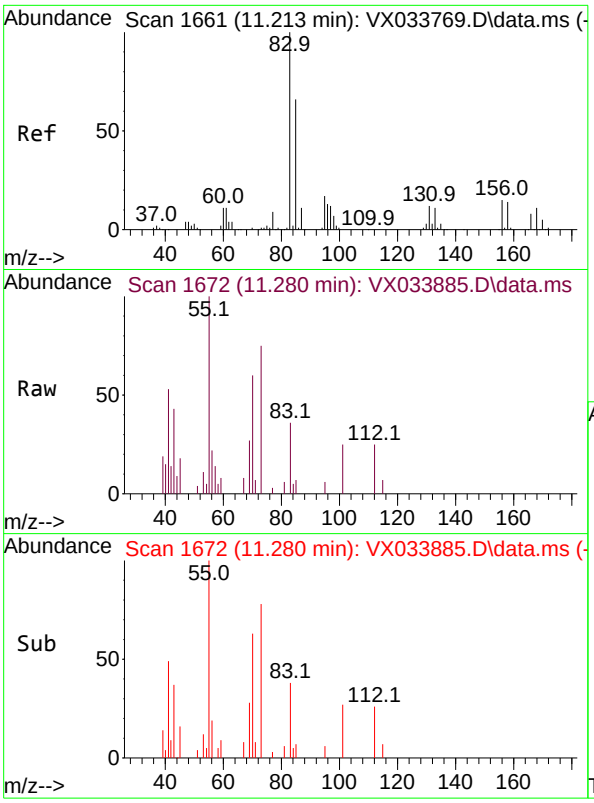


#63
Toluene-d8
Concen: 29.774 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 98 Resp: 98106

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1



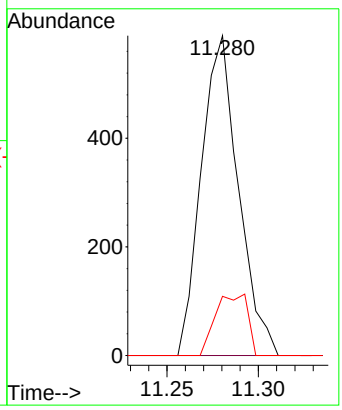


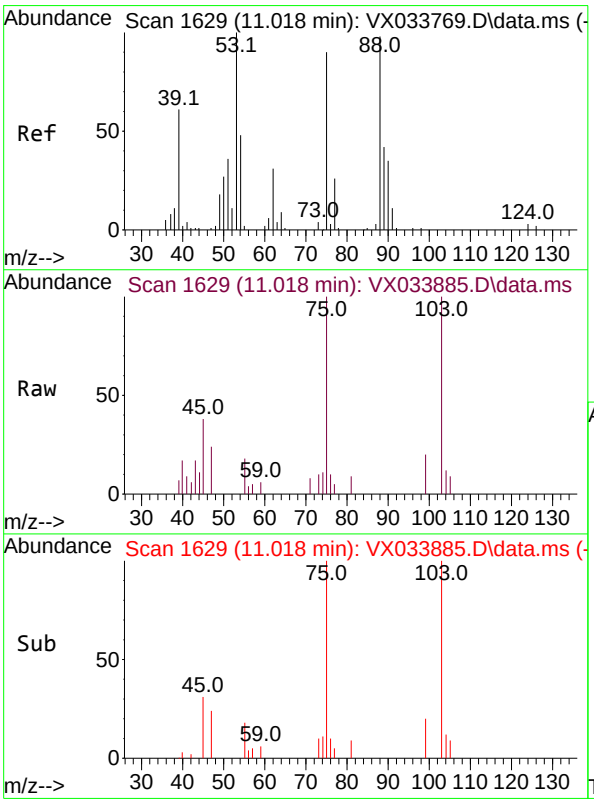
#71
1,1,2,2-Tetrachloroethane
Concen: 0.416 ug/l
RT: 11.280 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 83 Resp: 832

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.7	17.0#
85	16.6	33.3	99.8#

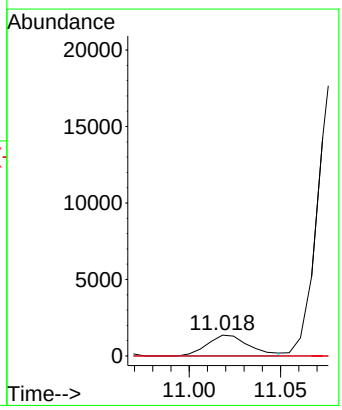


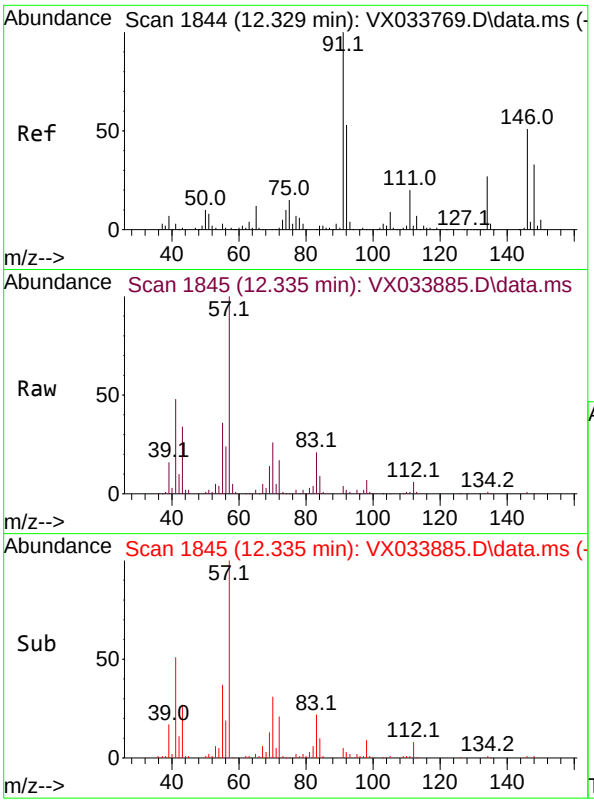


#77
t-1,4-Dichloro-2-butene
Concen: 3.873 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 75 Resp: 2168

Ion	Ratio	Lower	Upper
75	100		
53	0.0	55.5	166.3#
89	0.0	23.3	69.8#



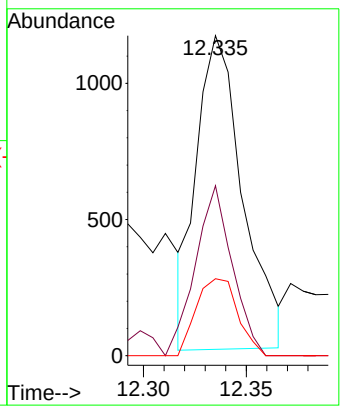


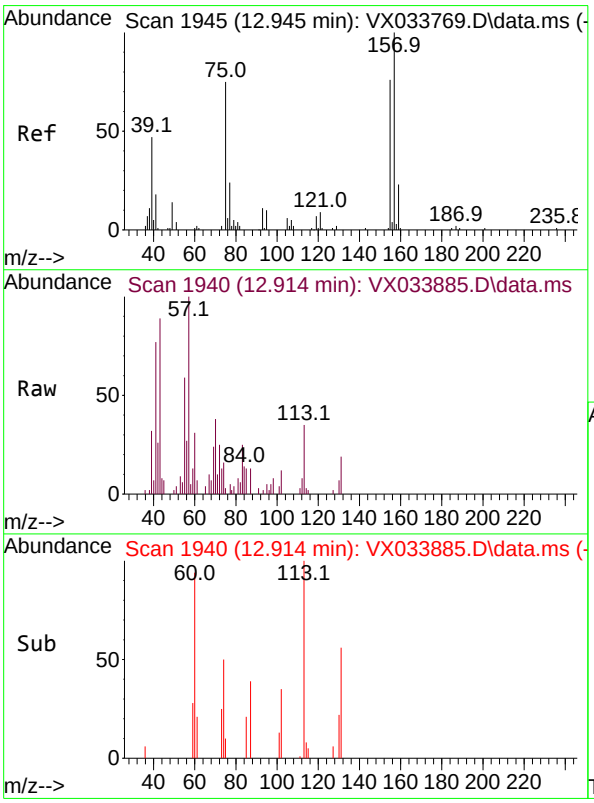
#85
n-Butylbenzene
Concen: 0.372 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 1806

Ion	Ratio	Lower	Upper
91	100		
92	43.1	0.0	109.0
134	22.1	0.0	57.8

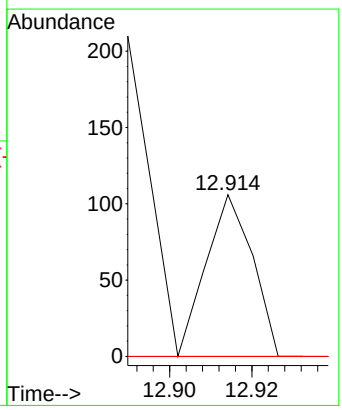


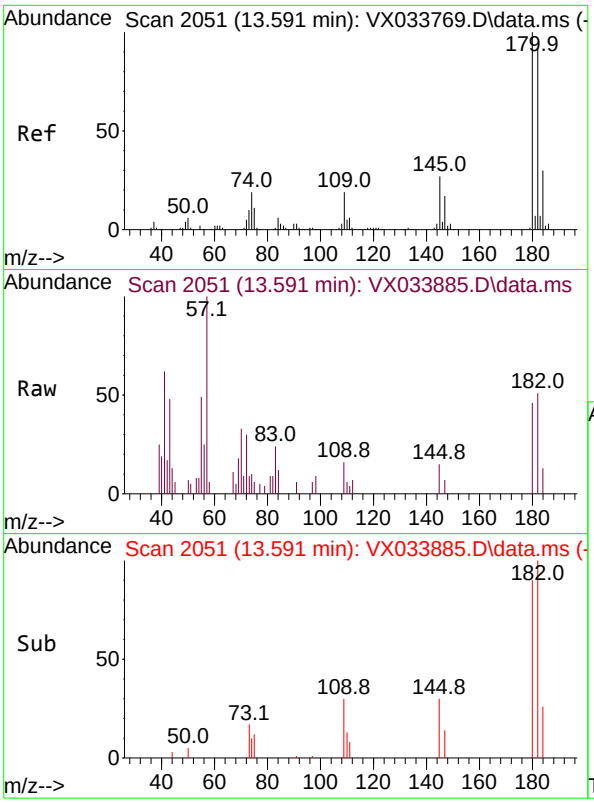


#88
1,2-Dibromo-3-Chloropropane
Concen: 0.203 ug/l
RT: 12.914 min Scan# 1940
Delta R.T. -0.031 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion: 75 Resp: 83

Ion	Ratio	Lower	Upper
75	100		
155	0.0	82.6	124.0#
157	0.0	104.9	157.3#



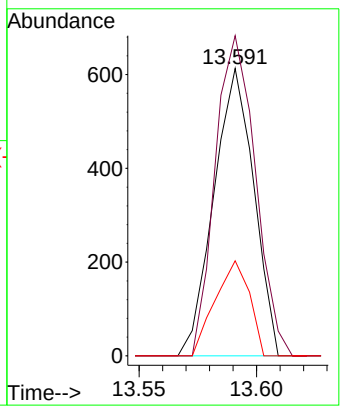


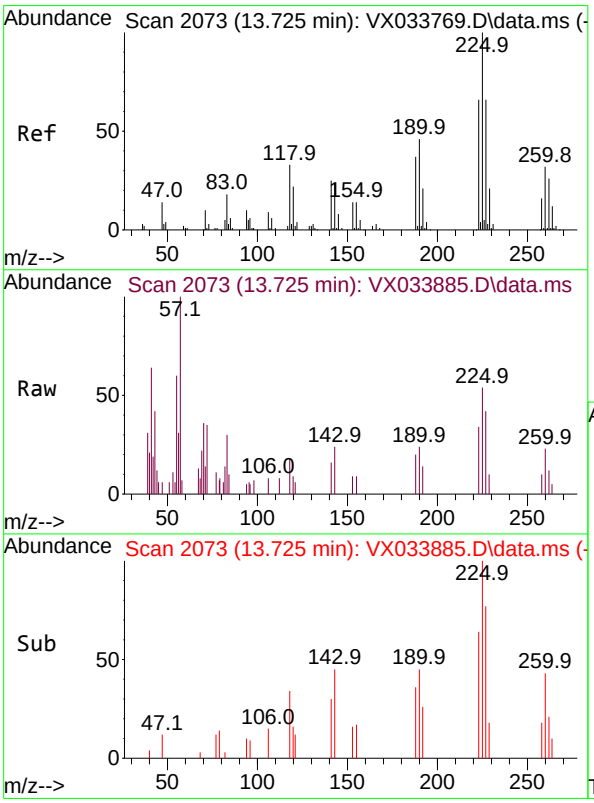
#89
1,2,4-Trichlorobenzene
Concen: 0.332 ug/l
RT: 13.591 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:180 Resp: 726

Ion	Ratio	Lower	Upper
180	100		
182	111.7	76.4	114.6
145	28.4	22.9	34.3

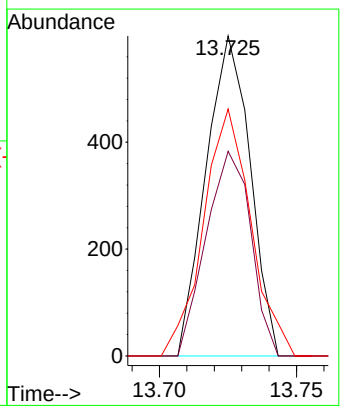


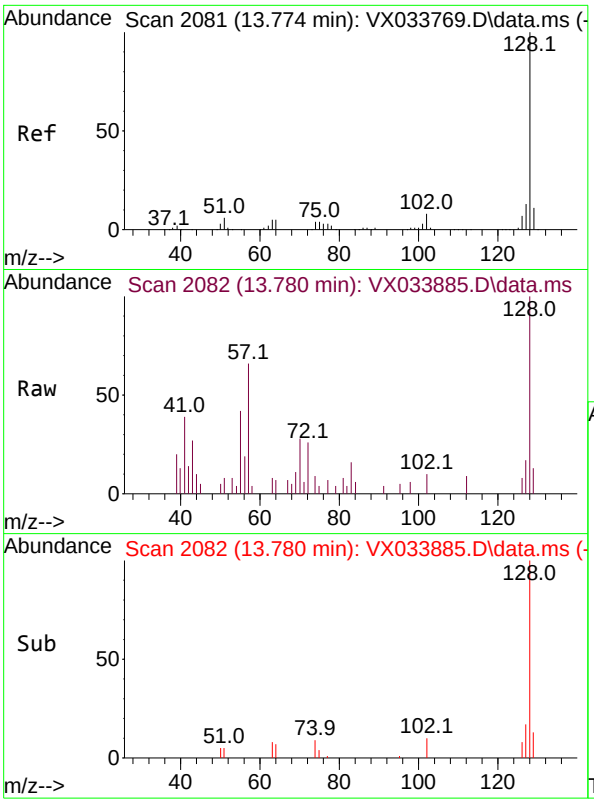


#90
Hexachlorobutadiene
Concen: 0.654 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion:225 Resp: 671

Ion	Ratio	Lower	Upper
225	100		
223	64.5	0.0	127.6
227	82.9	0.0	131.2



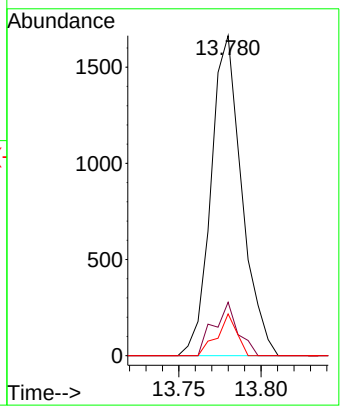


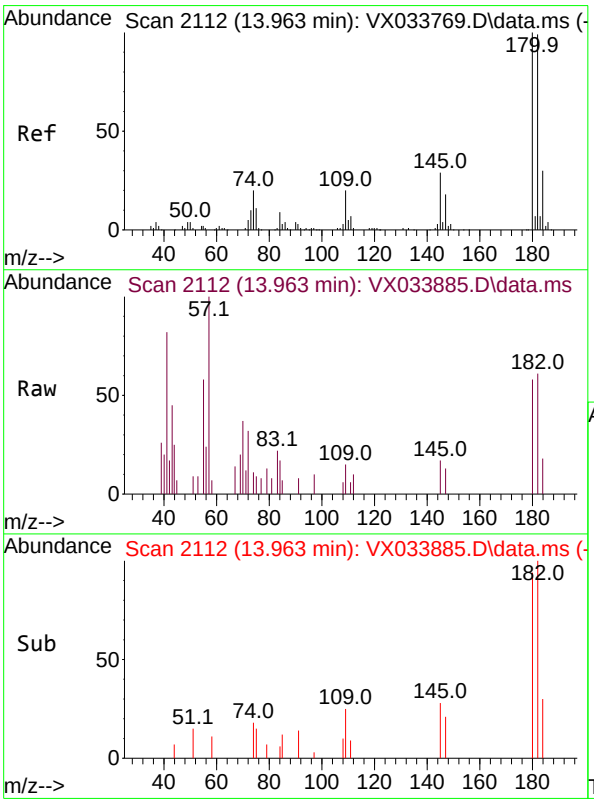
#91
Naphthalene
Concen: 0.338 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 2171

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	8.3	8.9	13.3#





#92
1,2,3-Trichlorobenzene
Concen: 0.338 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX033885.D
Acq: 25 Jan 2023 12:51

Tgt Ion:180 Resp: 726

Ion	Ratio	Lower	Upper
180	100		
182	97.5	0.0	192.6
145	30.6	0.0	60.4