Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121924\
Data File : VL041825.D
Acq On : 19 Dec 2024 17:41
Operator : SY/MD
Sample : P5296-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 20 01:46:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	83158	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	189313	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	189944	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	155720	9.838	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.492	85	5086	0.344	ppbv		100
3) Chlorodifluoromethane	1.842	51	505	0.037	ppbv		98
4) Chloromethane	1.528	50	1851	0.320	ppbv		97
9) Propene	1.483	41	5467	0.930	ppbv		88
11) Trichlorofluoromethane	1.877	101	3036	0.193	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.140	101	836	0.070	ppbv	#	80
13) Ethanol	1.719	45	118283	243.024	ppbv		93
15) Acetone	1.835	43	37575	2.322	ppbv		100
16) 1,3-Butadiene	1.615	39	9222	1.447	ppbv	#	21
17) tert-Butyl alcohol	2.043	59	3747	0.233	ppbv	#	93
19) Isopropyl Alcohol	1.884	45	13274	1.367	ppbv	#	39
20) Methylene Chloride	2.062	84	22614	4.902	ppbv		93
21) Allyl Chloride	2.062	41	870	0.099	ppbv	#	16
23) Vinyl Acetate	2.454	43	3843	0.512	ppbv	#	82
25) Ethyl Acetate	2.832	43	13303	0.442	ppbv	#	94
26) Hexane	2.829	57	10691	0.936	ppbv	#	45
29) Chloroform	2.848	83	14042	0.807	ppbv		93
31) cis-1,2-Dichloroethene	2.839	61	762	0.065	ppbv	#	26
34) 2-Butanone	2.560	43	6382	0.419	ppbv		100
36) Benzene	3.658	78	2308	0.118	ppbv	#	86
39) 1,2-Dichloropropane	3.955	63	52841	7.461	ppbv	#	18
41) Tetrahydrofuran	3.062	42	2238	0.262	ppbv	#	85
50) 4-Methyl-2-Pentanone	5.758	43	682	0.033	ppbv	#	37
52) Tetrachloroethene	8.218	164	2013	0.276	ppbv	#	76
53) Toluene	6.933	91	49452	2.227	ppbv		99
57) Chlorobenzene	8.920	112	2062	0.106	ppbv	#	84
58) Ethyl Benzene	9.351	91	12214	0.357	ppbv		96
59) m/p-Xylene	9.532	91	37742	1.373	ppbv	#	100
60) o-Xylene	9.959	91	15054	0.546	ppbv		99
61) Styrene	9.866	104	4254	0.357	ppbv		95
74) 1,2,4-Trimethylbenzene	11.536	105	3328	0.115	ppbv	#	68

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

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Instrument :
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Quant Time: Dec 20 01:46:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
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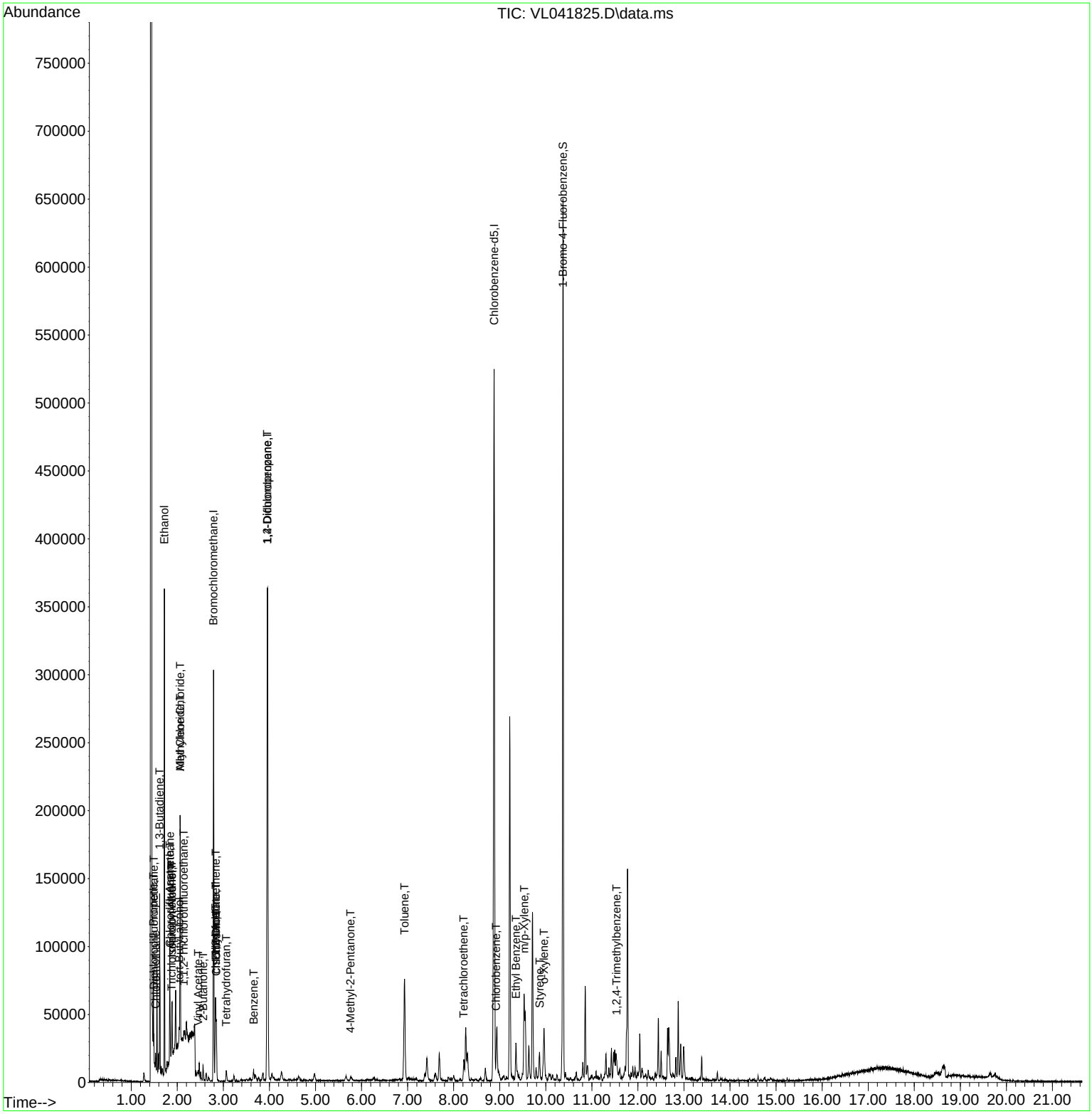
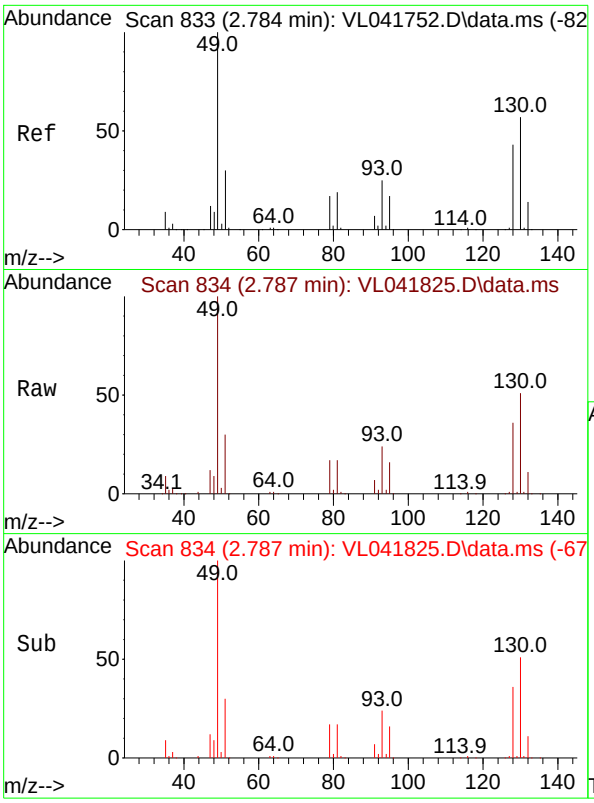


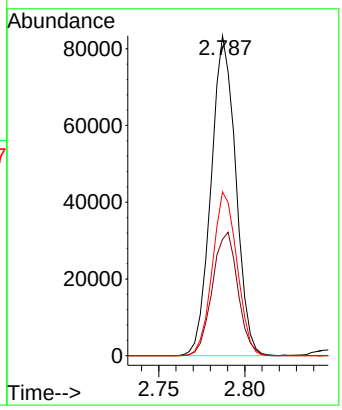


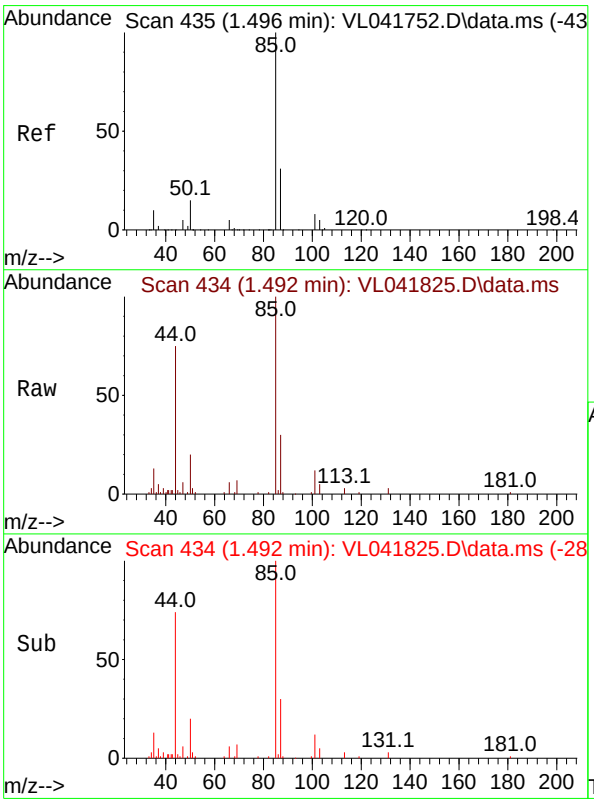
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 83158

Ion	Ratio	Lower	Upper
49	100		
128	39.9	21.6	64.6
130	51.1	28.3	85.0

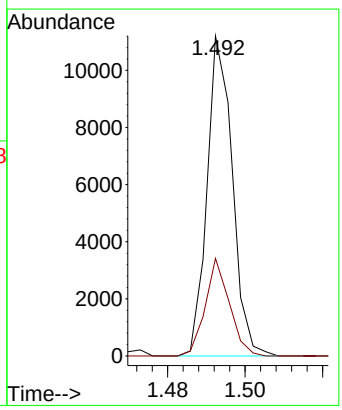


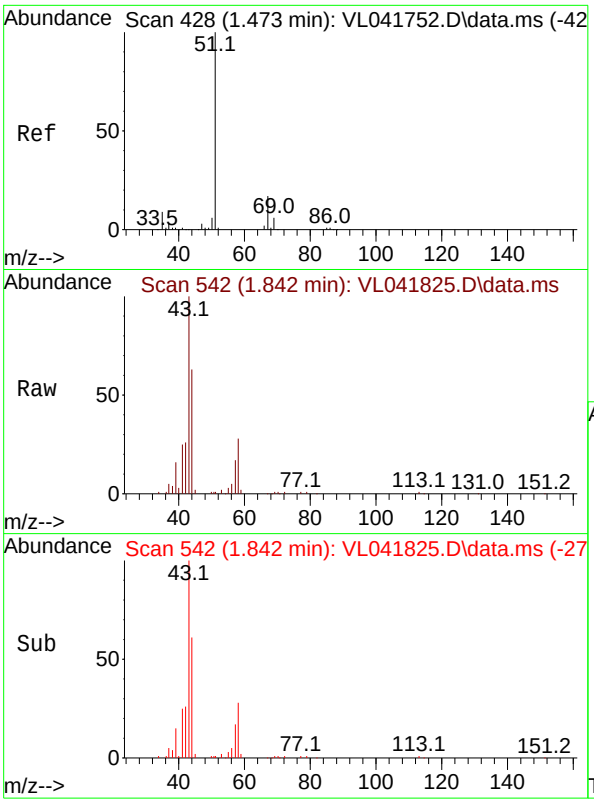


#2
Dichlorodifluoromethane
Concen: 0.344 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.004 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 85 Resp: 5086

Ion	Ratio	Lower	Upper
85	100		
87	30.5	24.5	36.7



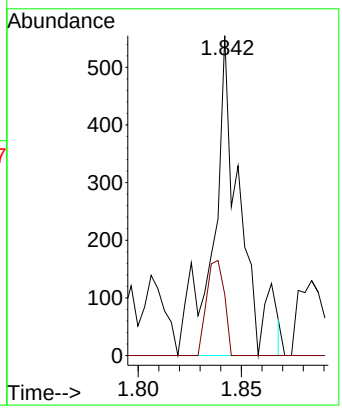


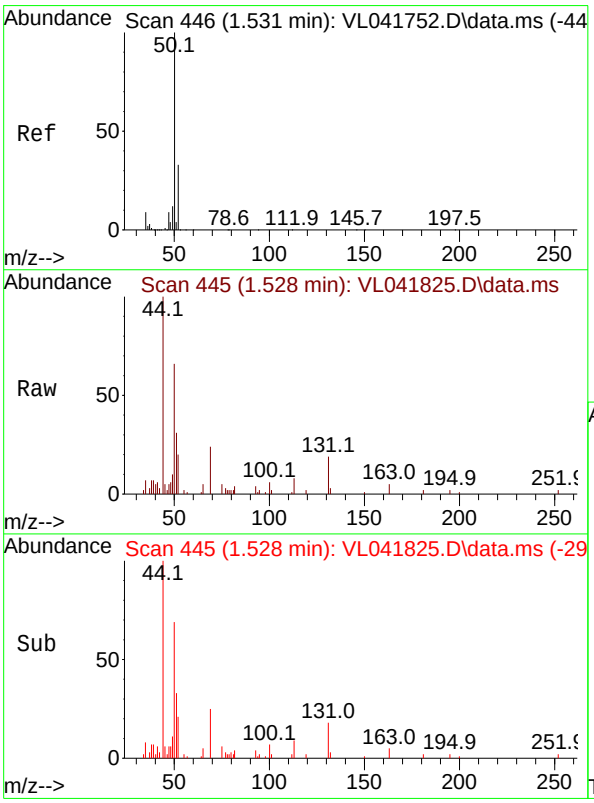
#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.369 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 505

Ion	Ratio	Lower	Upper
51	100		
67	19.4	15.0	22.4

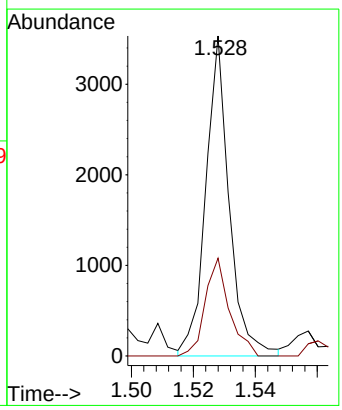


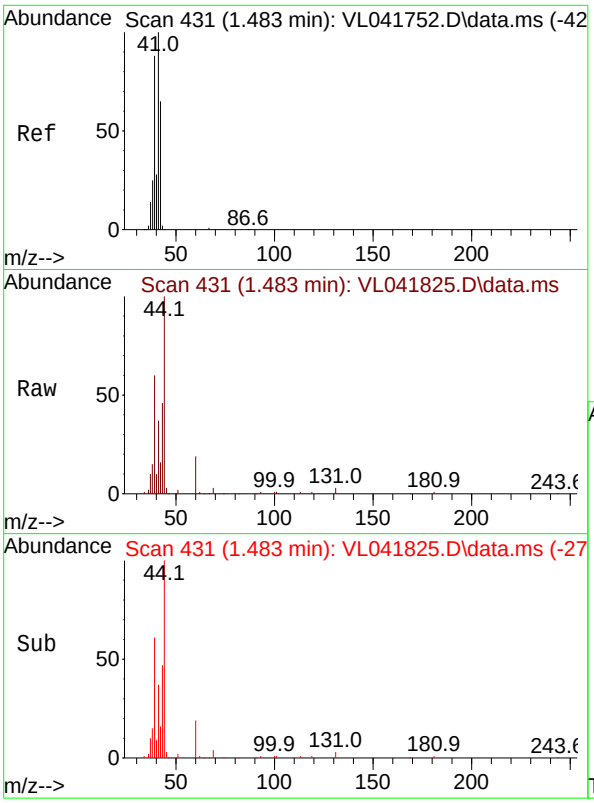


#4
Chloromethane
Concen: 0.320 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.004 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 50 Resp: 1851

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.2	39.2



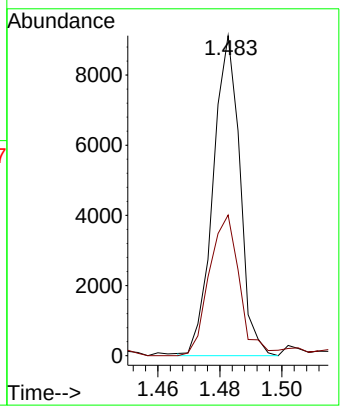


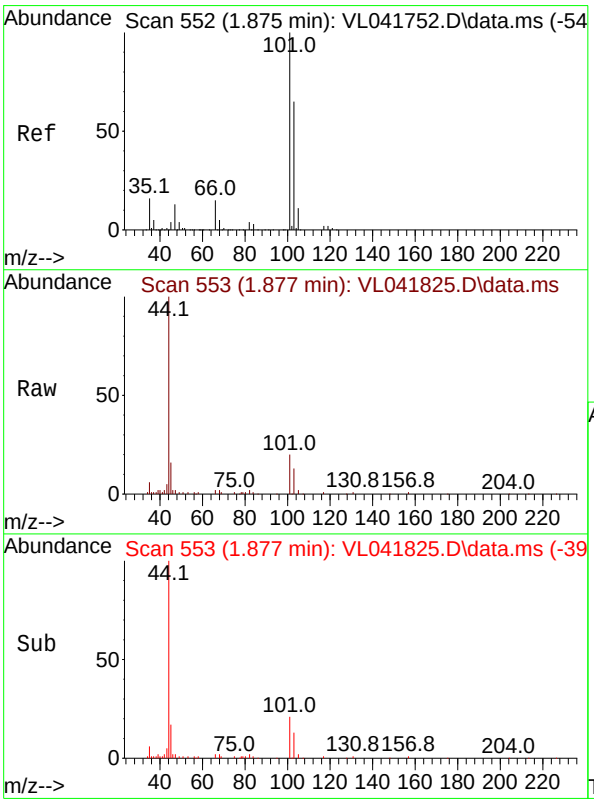
#9
Propene
Concen: 0.930 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 5467

Ion	Ratio	Lower	Upper
41	100		
42	56.4	52.4	78.6

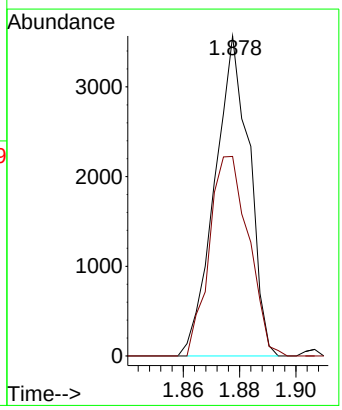


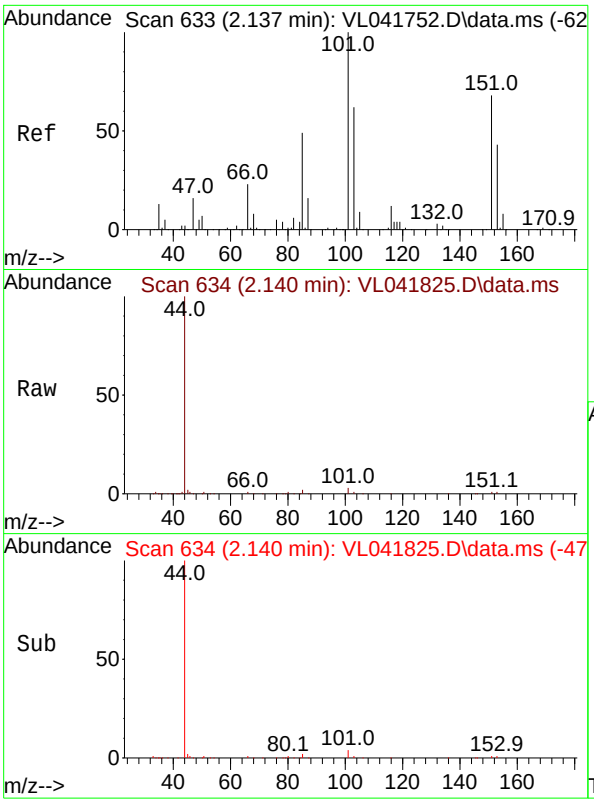


#11
Trichlorofluoromethane
Concen: 0.193 ppbv
RT: 1.877 min Scan# 553
Delta R.T. 0.003 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion:101 Resp: 3036

Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.8	77.8



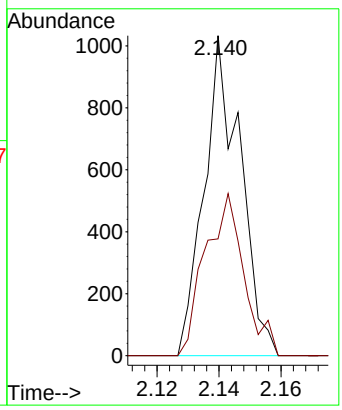


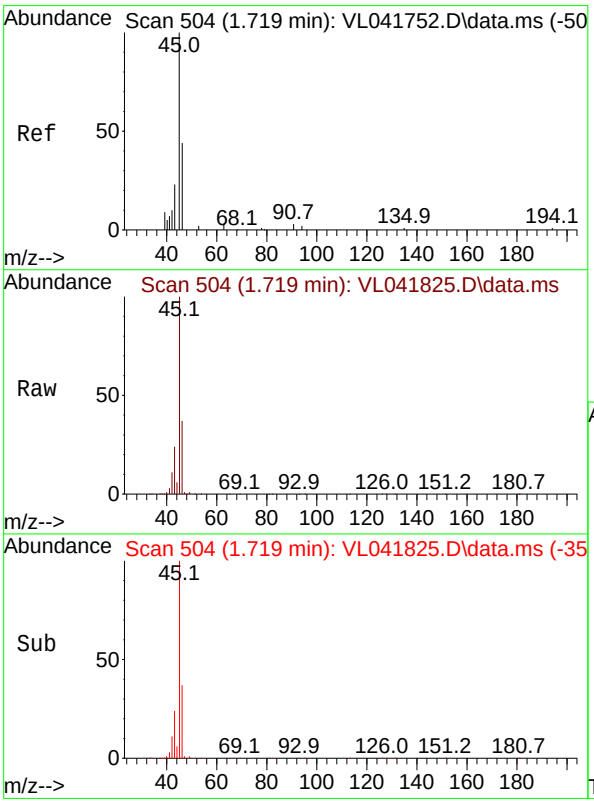
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.070 ppbv
RT: 2.140 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 836

Ion	Ratio	Lower	Upper
101	100		
151	54.4	56.8	85.2#

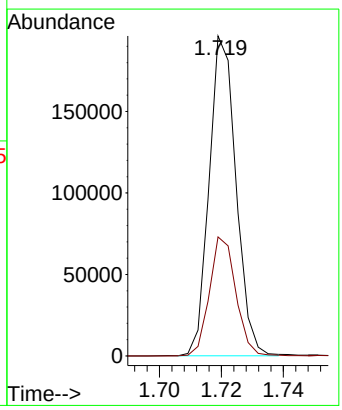


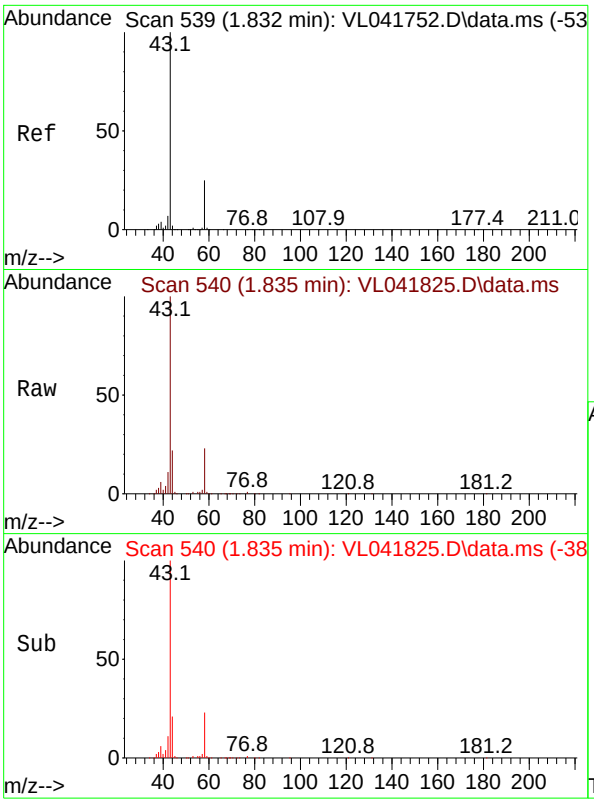


#13
Ethanol
Concen: 243.024 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 45 Resp: 118283

Ion	Ratio	Lower	Upper
45	100		
46	36.8	16.4	65.8



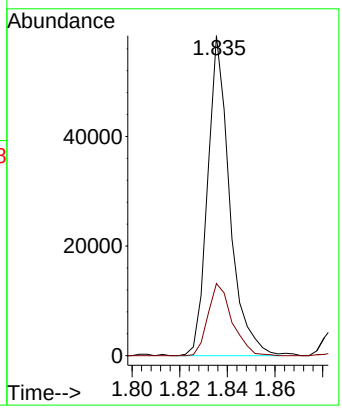


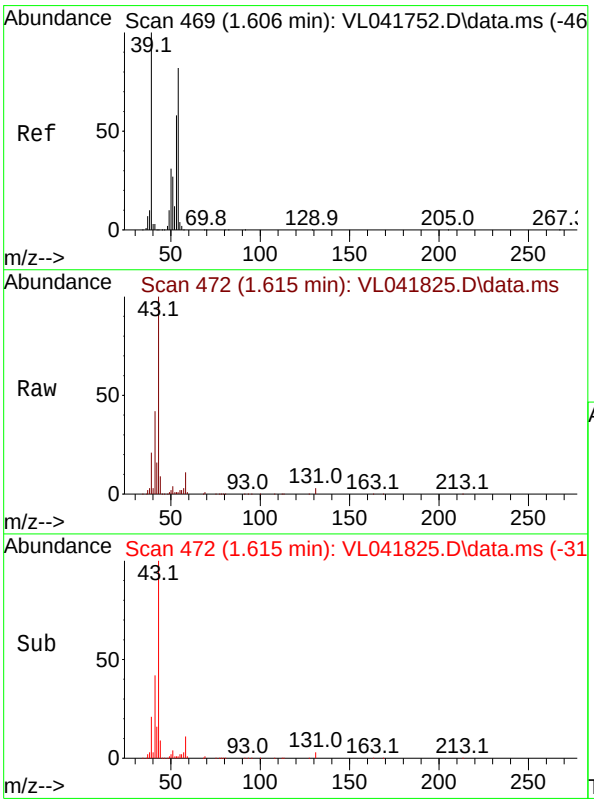
#15
Acetone
Concen: 2.322 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 37575

Ion	Ratio	Lower	Upper
43	100		
58	24.6	19.7	29.5

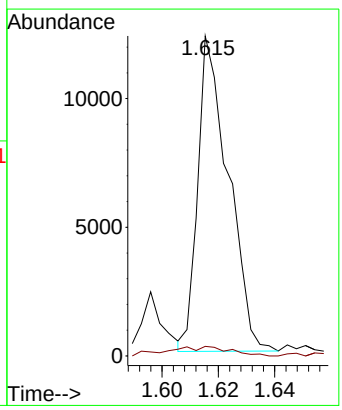


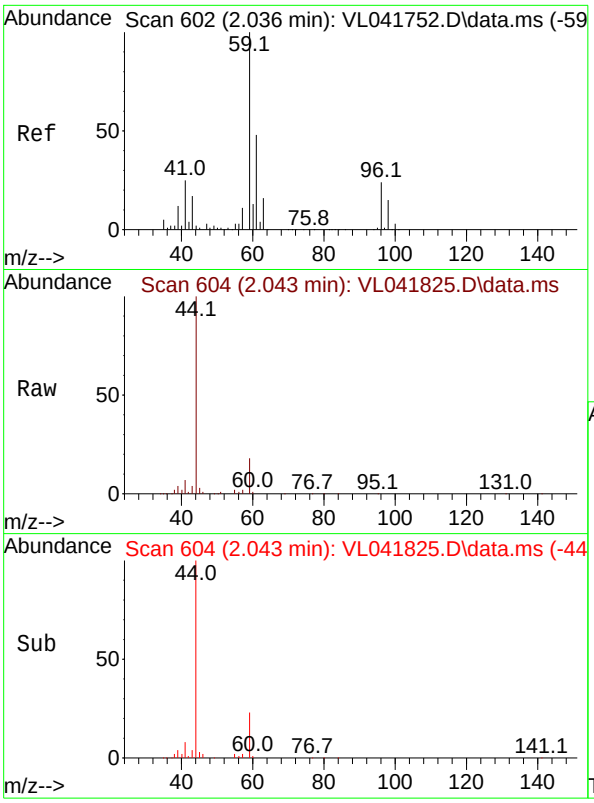


#16
1,3-Butadiene
Concen: 1.447 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.009 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 39 Resp: 9222

Ion	Ratio	Lower	Upper
39	100		
54	7.0	58.4	87.6#



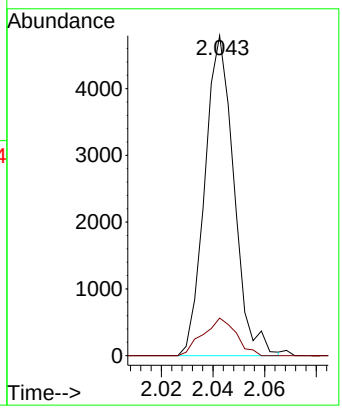


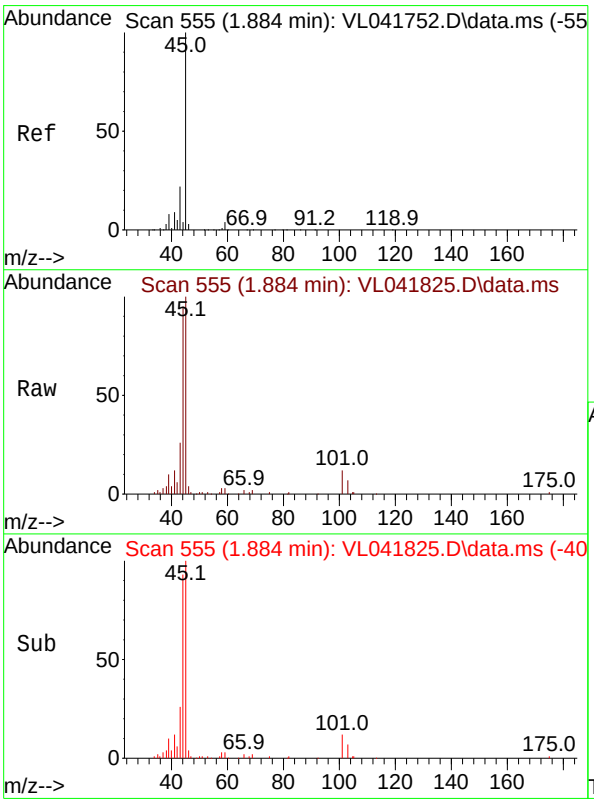
#17
tert-Butyl alcohol
Concen: 0.233 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 3747

Ion	Ratio	Lower	Upper
59	100		
57	13.4	8.6	13.0#

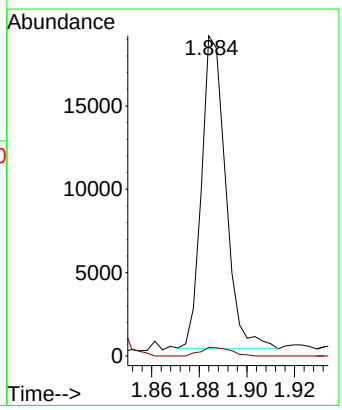


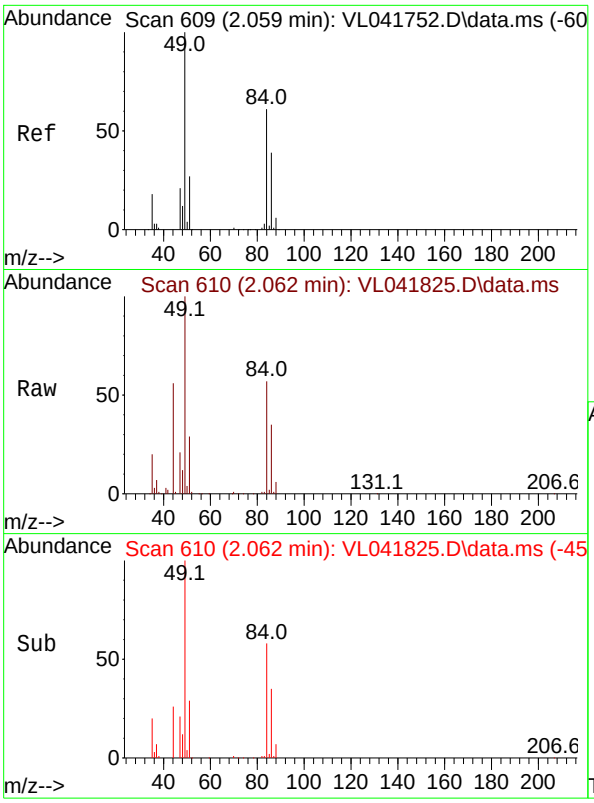


#19
Isopropyl Alcohol
Concen: 1.367 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 45 Resp: 13274

Ion	Ratio	Lower	Upper
45	100		
58	3.4	33.3	49.9#



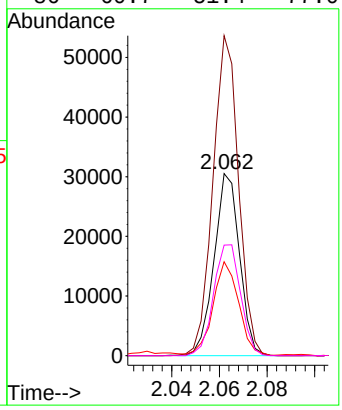


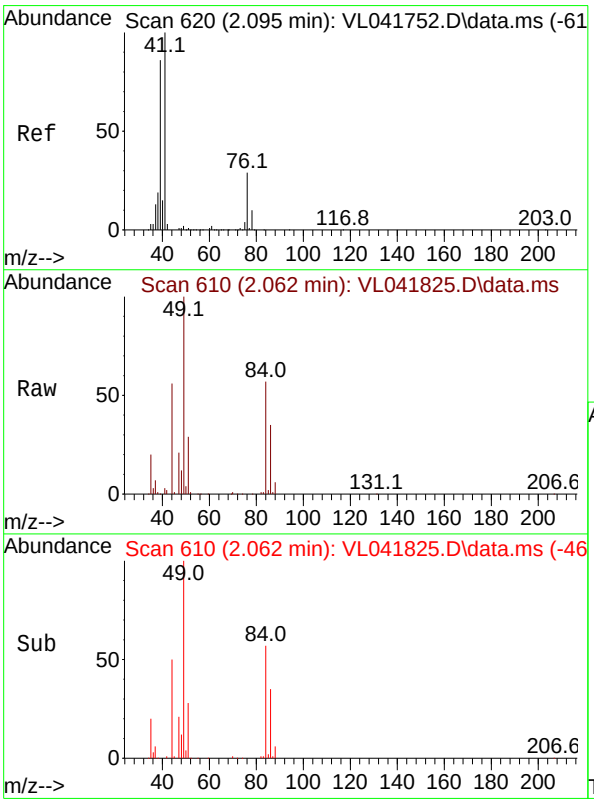
#20
Methylene Chloride
Concen: 4.902 ppbv
RT: 2.062 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 22614

Ion	Ratio	Lower	Upper
84	100		
49	175.8	132.6	198.8
51	51.2	37.6	56.4
86	60.7	51.4	77.0

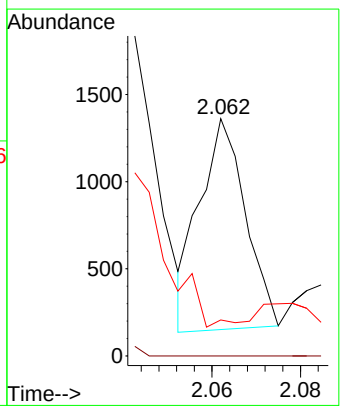


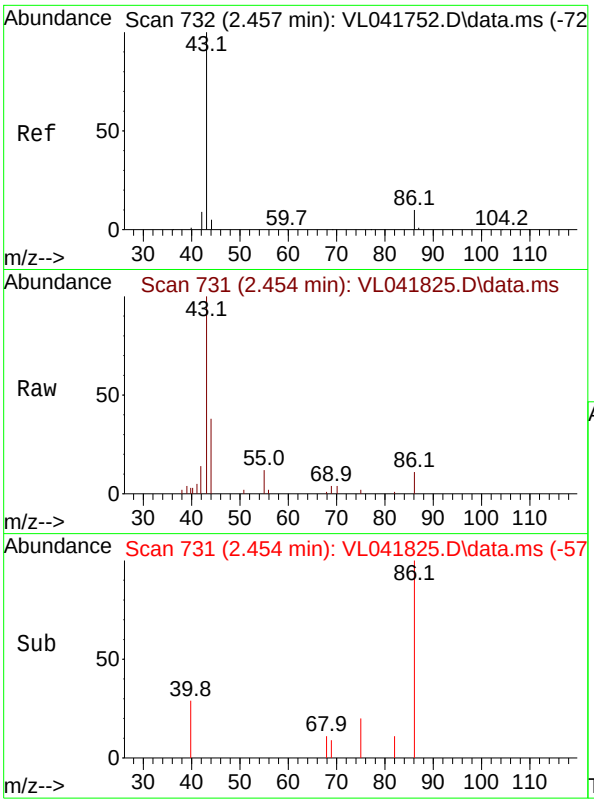


#21
Allyl Chloride
Concen: 0.099 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.033 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 41 Resp: 870

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.3	33.5#
39	0.0	69.2	103.8#



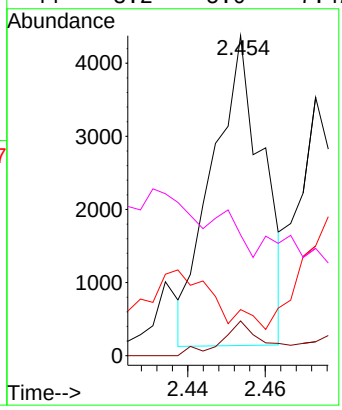


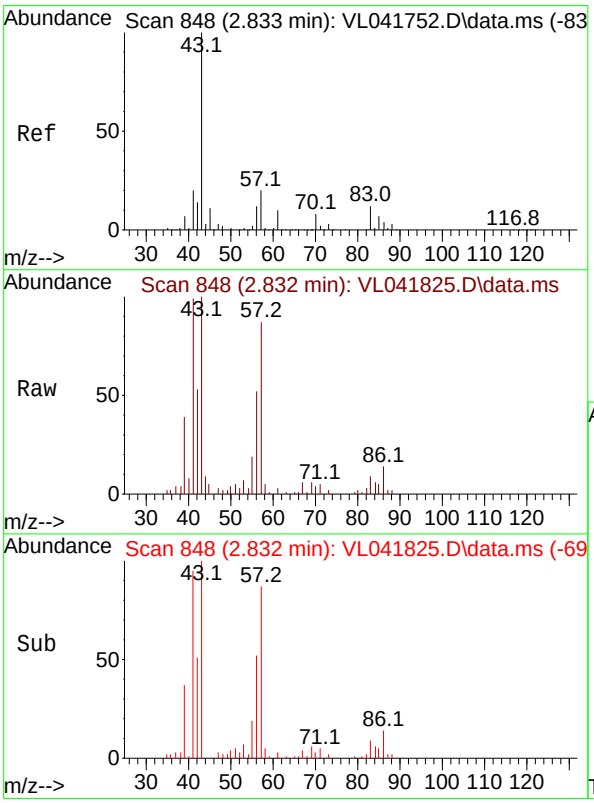
#23
Vinyl Acetate
Concen: 0.512 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.004 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3843

Ion	Ratio	Lower	Upper
43	100		
86	13.1	6.6	10.0#
42	0.0	8.2	12.2#
44	3.2	5.0	7.4#

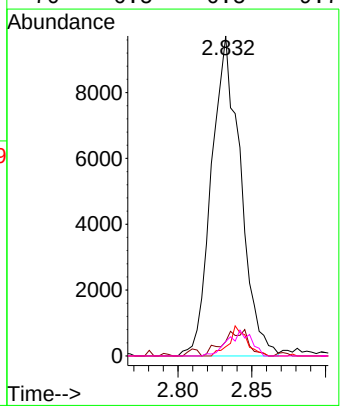


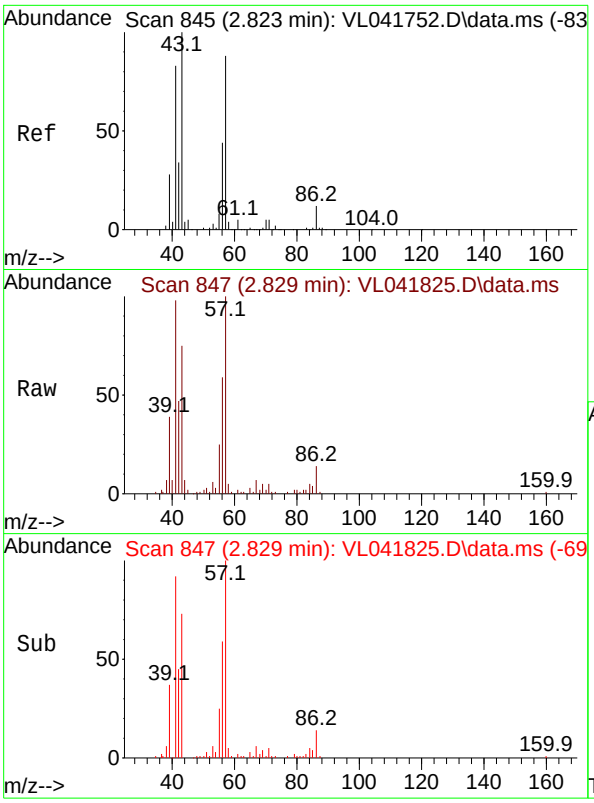


#25
Ethyl Acetate
Concen: 0.442 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 43 Resp: 13303

Ion	Ratio	Lower	Upper
43	100		
45	8.2	8.1	12.1
61	5.8	7.0	10.6#
70	6.5	6.5	9.7



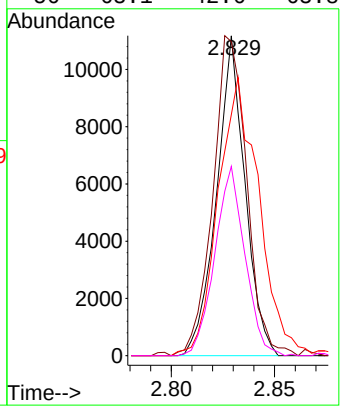


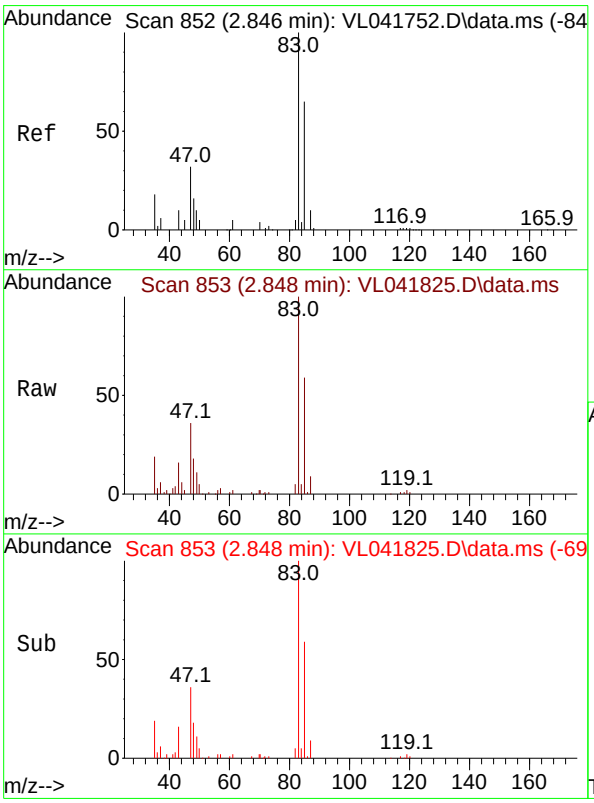
#26
Hexane
Concen: 0.936 ppbv
RT: 2.829 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 10691

Ion	Ratio	Lower	Upper
57	100		
41	119.6	79.6	119.4#
43	125.2	211.0	316.6#
56	63.1	42.6	63.8

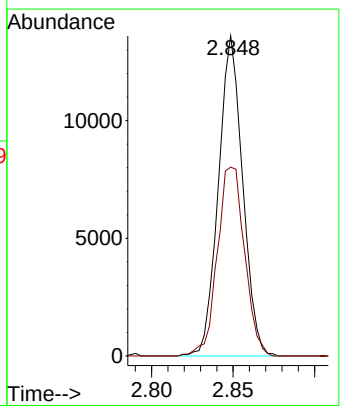


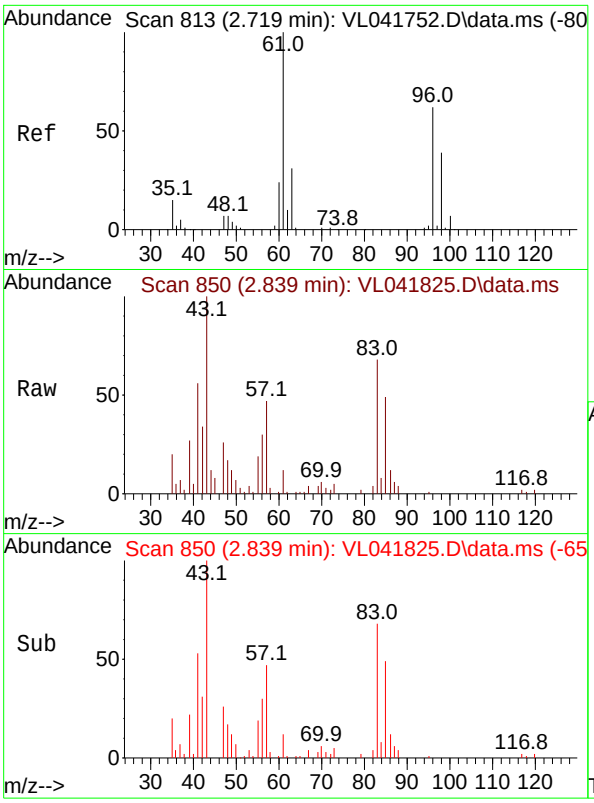


#29
Chloroform
Concen: 0.807 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.003 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 83 Resp: 14042

Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.8	77.6



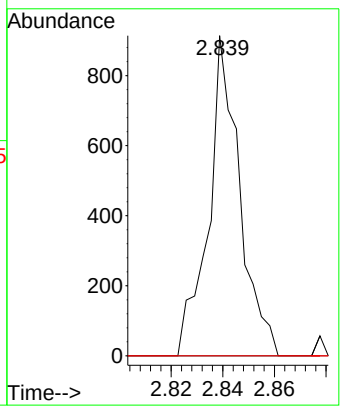


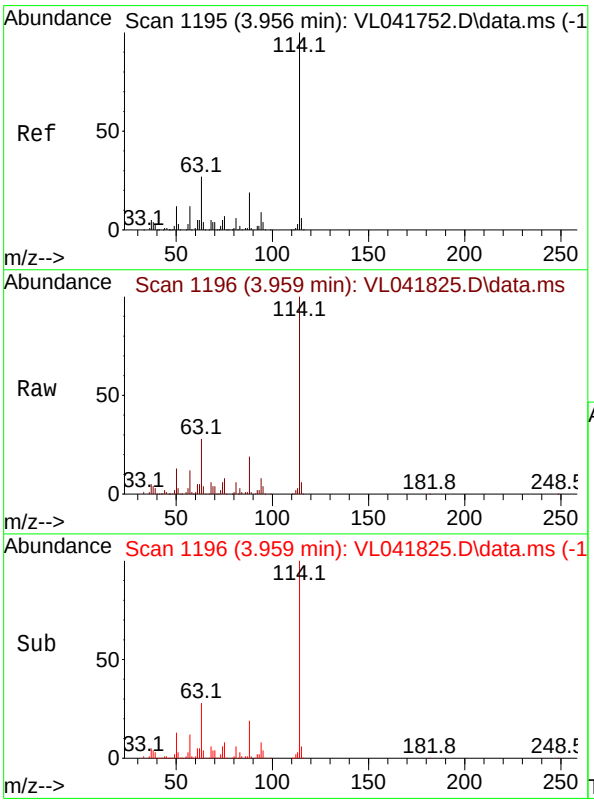
#31
cis-1,2-Dichloroethene
Concen: 0.065 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.119 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 762

Ion	Ratio	Lower	Upper
61	100		
96	0.0	49.7	74.5#
98	0.0	30.8	46.2#

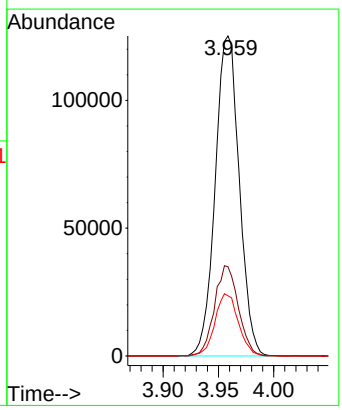


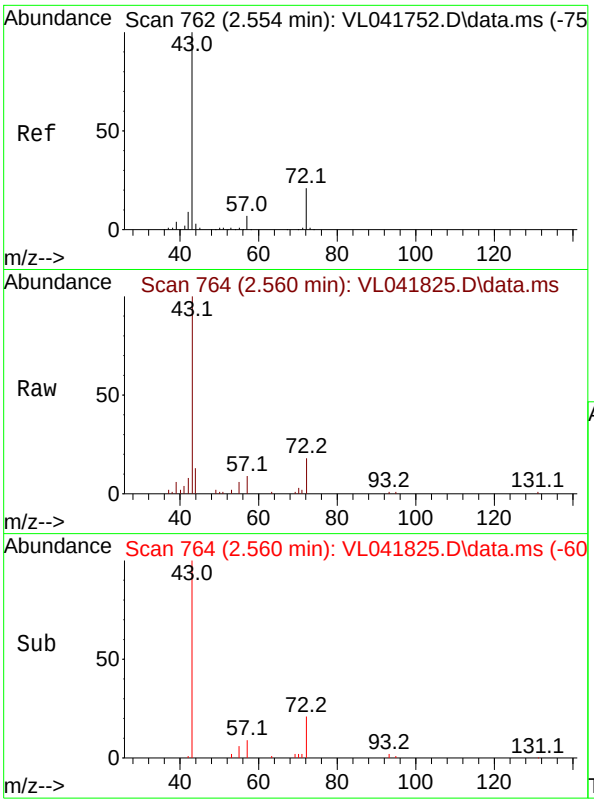


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion:114 Resp: 189313

Ion	Ratio	Lower	Upper
114	100		
63	27.9	21.8	32.8
88	19.0	14.8	22.2



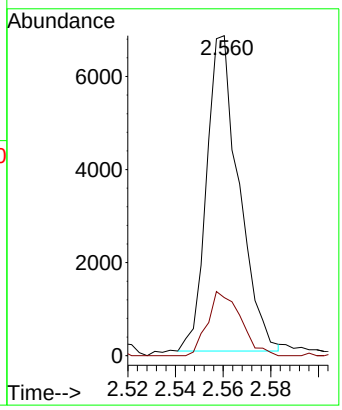


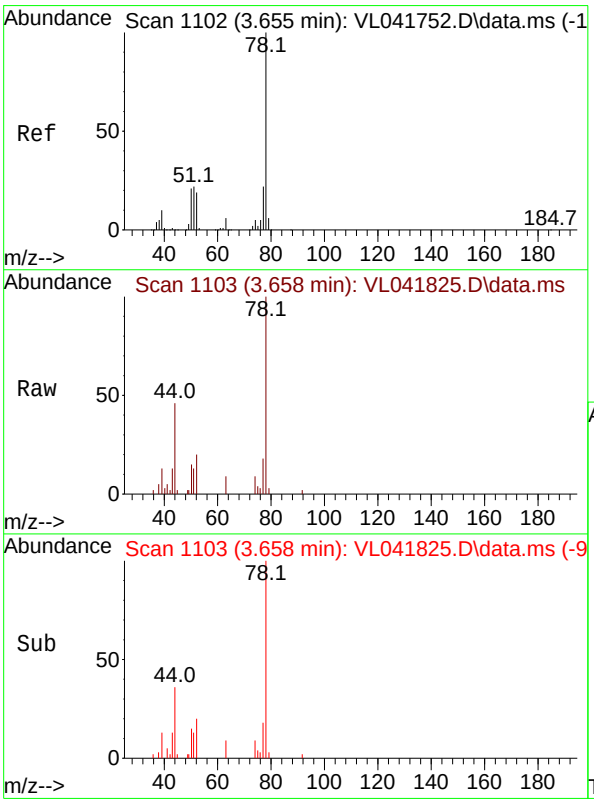
#34
2-Butanone
Concen: 0.419 ppbv
RT: 2.560 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 6382

Ion	Ratio	Lower	Upper
43	100		
72	21.0	16.8	25.2

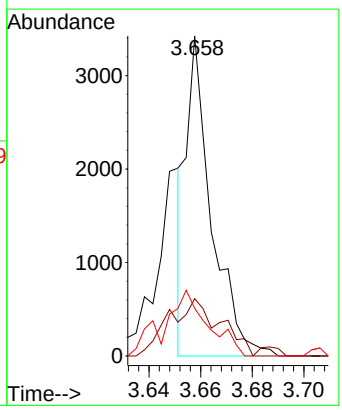


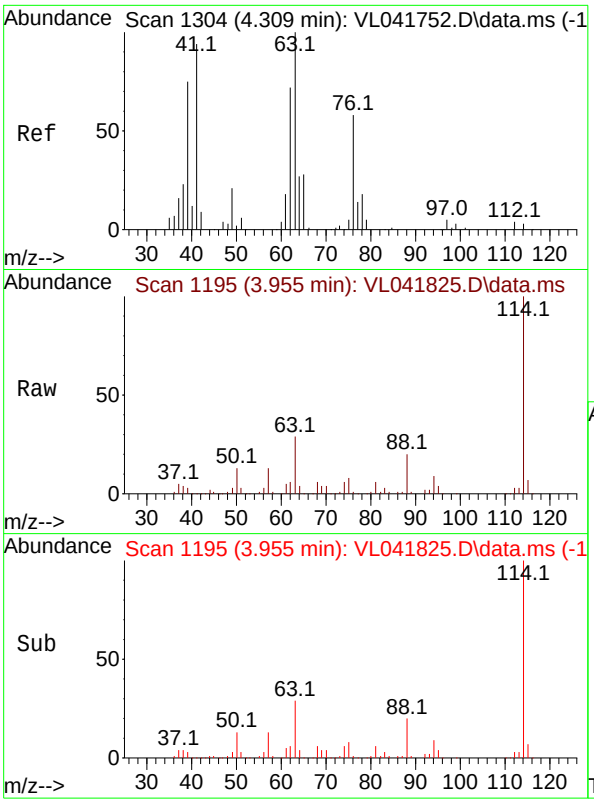


#36
Benzene
Concen: 0.118 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 78 Resp: 2308

Ion	Ratio	Lower	Upper
78	100		
77	15.5	17.8	26.6#
50	14.9	17.2	25.8#



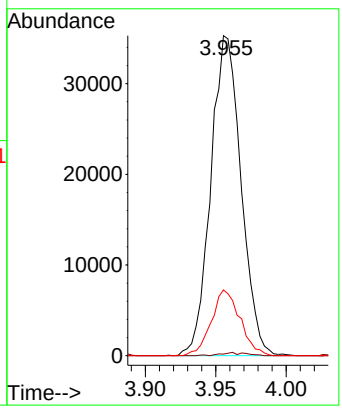


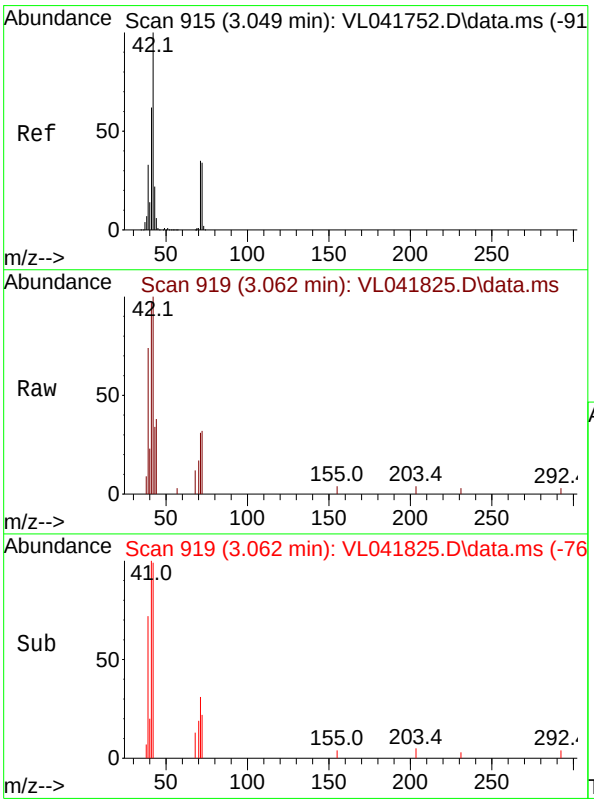
#39
1,2-Dichloropropane
Concen: 7.461 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.353 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 52841

Ion	Ratio	Lower	Upper
63	100		
41	0.5	75.3	112.9#
62	20.5	57.3	85.9#

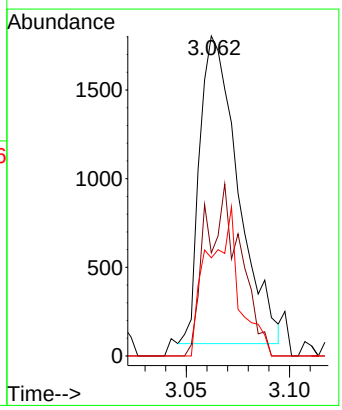


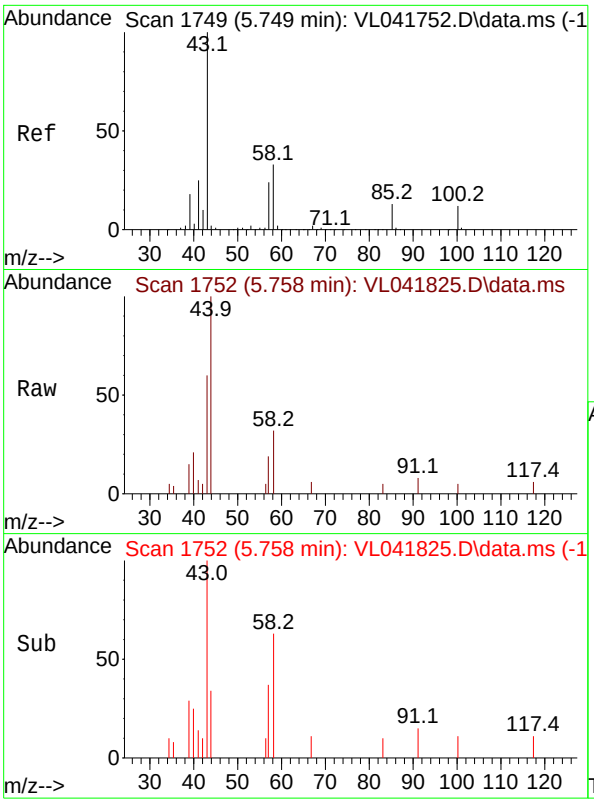


#41
Tetrahydrofuran
Concen: 0.262 ppbv
RT: 3.062 min Scan# 919
Delta R.T. 0.013 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 42 Resp: 2238

Ion	Ratio	Lower	Upper
42	100		
72	50.7	29.1	43.7#
71	39.3	28.4	42.6



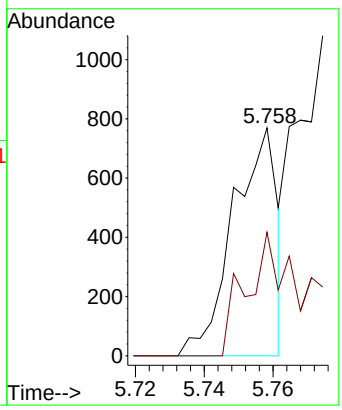


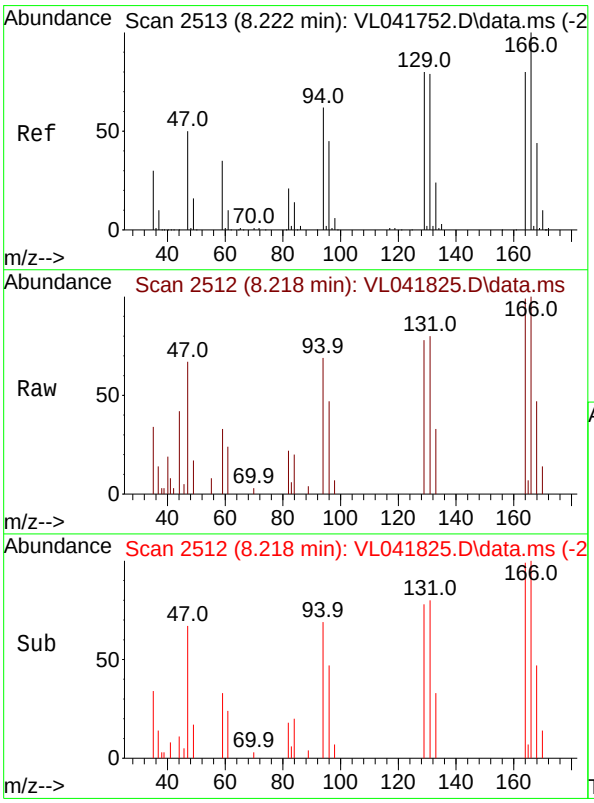
#50
4-Methyl-2-Pentanone
Concen: 0.033 ppbv
RT: 5.758 min Scan# 1
Delta R.T. 0.009 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 682

Ion	Ratio	Lower	Upper
43	100		
58	69.2	26.8	40.2#

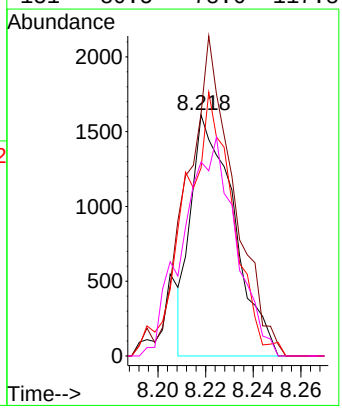


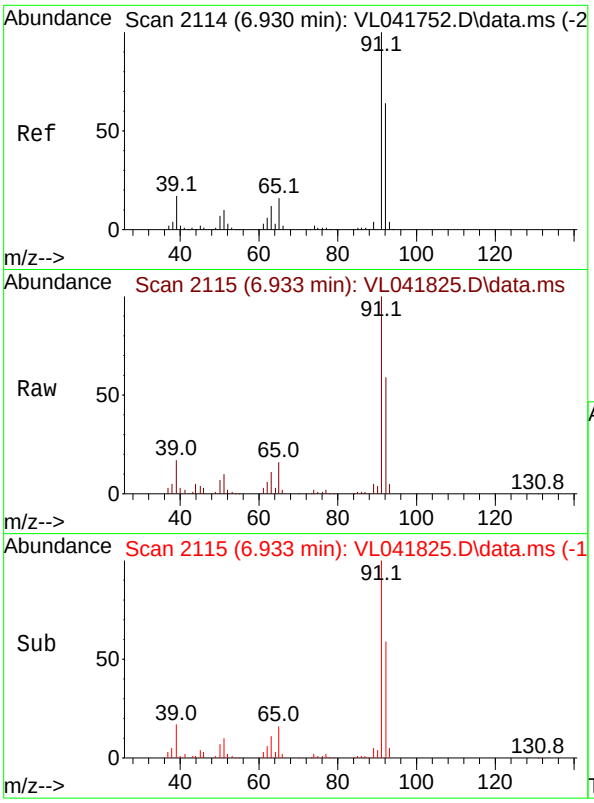


#52
Tetrachloroethene
Concen: 0.276 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.004 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion:164 Resp: 2013

Ion	Ratio	Lower	Upper
164	100		
166	95.8	99.8	149.6#
129	72.4	79.6	119.4#
131	80.5	78.6	117.8



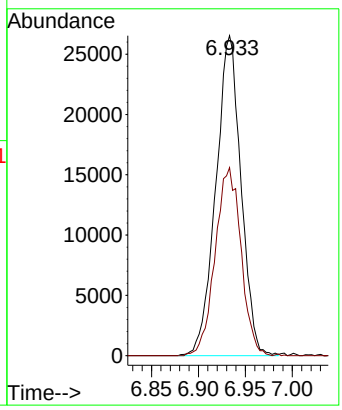


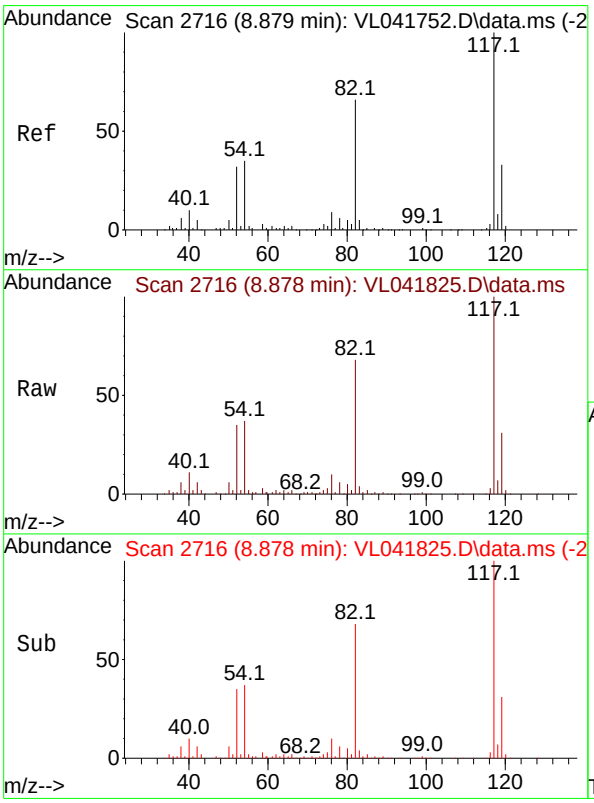
#53
Toluene
Concen: 2.227 ppbv
RT: 6.933 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 49452

Ion	Ratio	Lower	Upper
91	100		
92	60.3	47.9	71.9

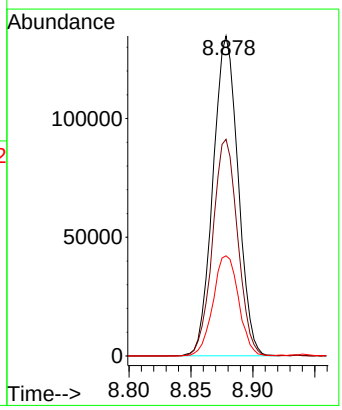


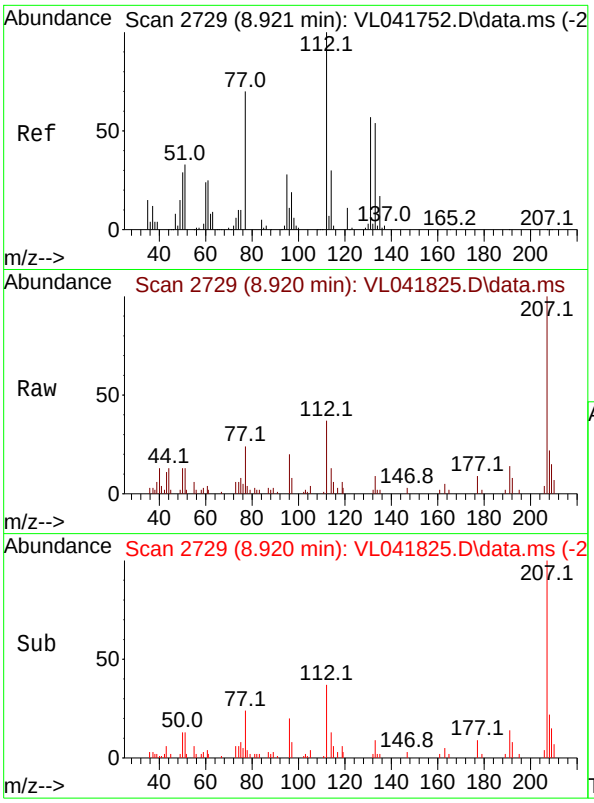


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.000 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion:117 Resp: 189944

Ion	Ratio	Lower	Upper
117	100		
82	67.8	53.8	80.8
119	32.2	26.7	40.1



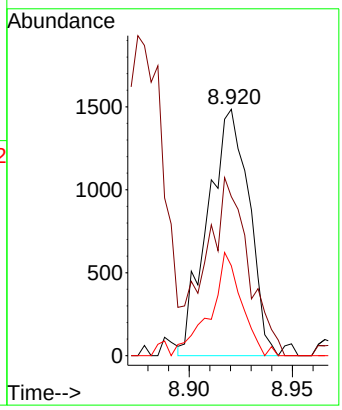


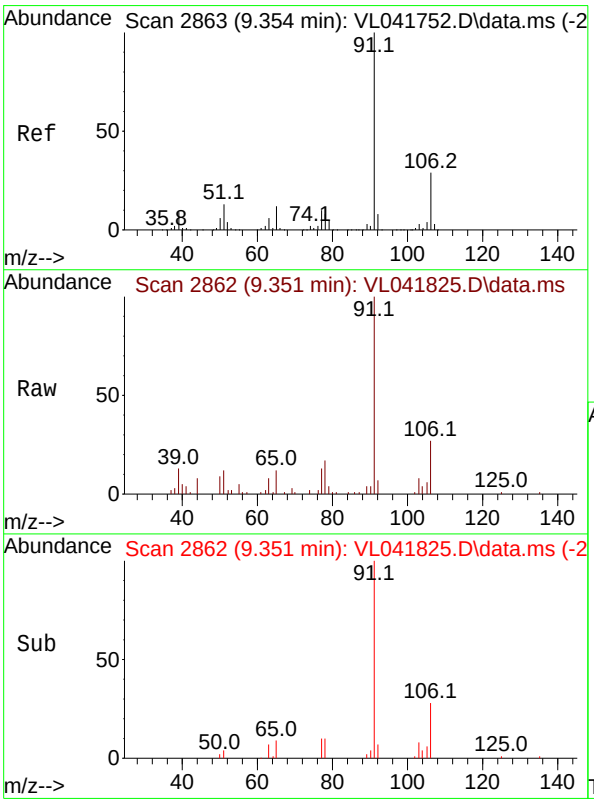
#57
Chlorobenzene
Concen: 0.106 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2062

Ion	Ratio	Lower	Upper
112	100		
77	58.2	57.4	86.0
114	22.2	27.4	33.4#

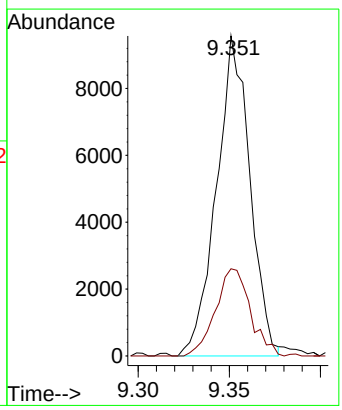


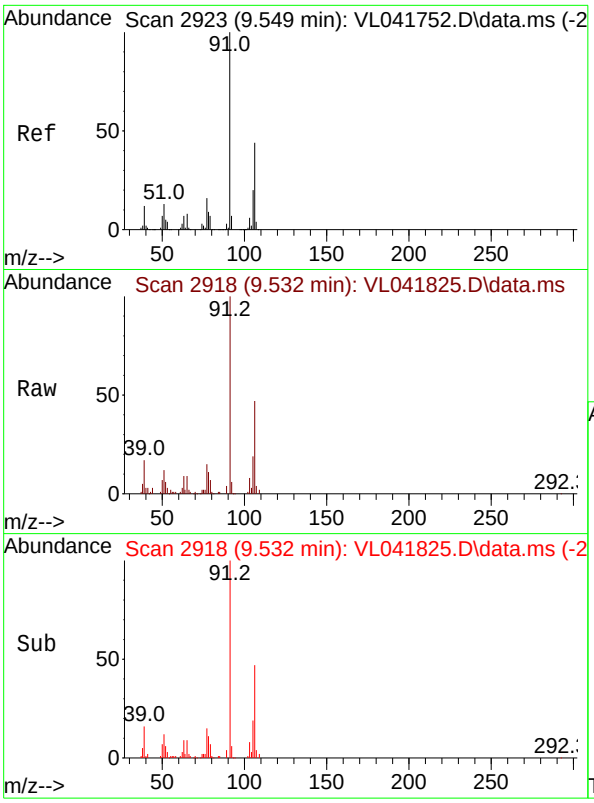


#58
Ethyl Benzene
Concen: 0.357 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.004 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 91 Resp: 12214

Ion	Ratio	Lower	Upper
91	100		
106	27.3	23.5	35.3



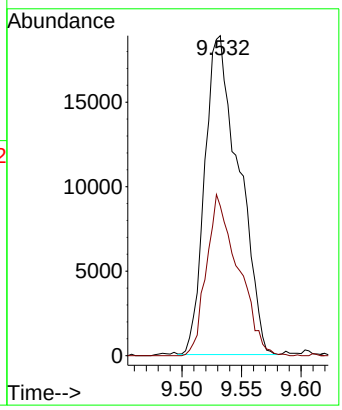


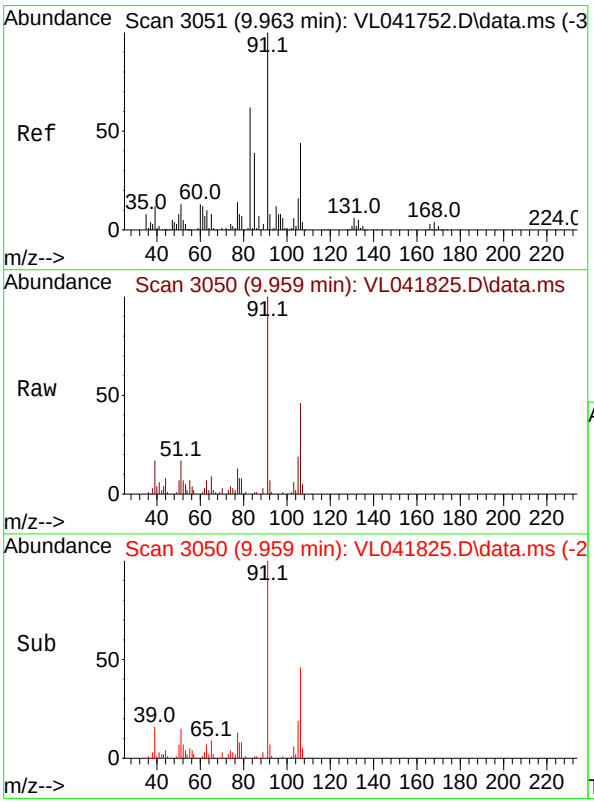
#59
m/p-Xylene
Concen: 1.373 ppbv
RT: 9.532 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 37742

Ion	Ratio	Lower	Upper
91	100		
106	46.9	0.0	0.0#

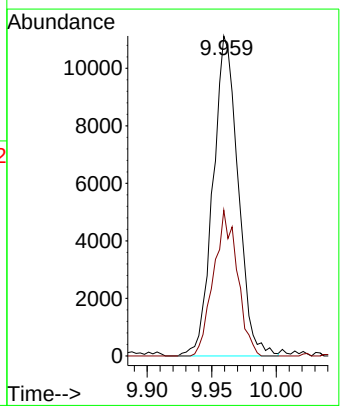


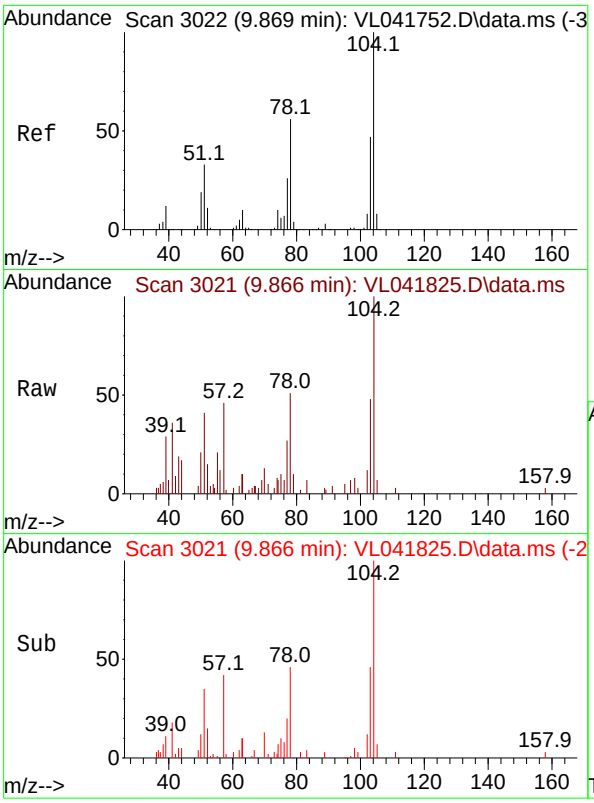


#60
o-Xylene
Concen: 0.546 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.004 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 91 Resp: 15054

Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.1	63.4



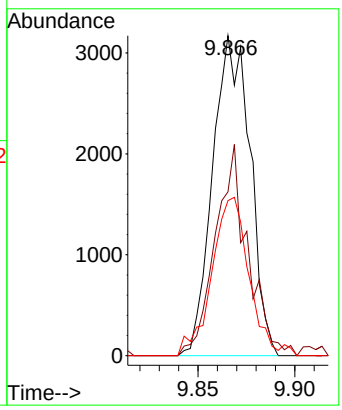


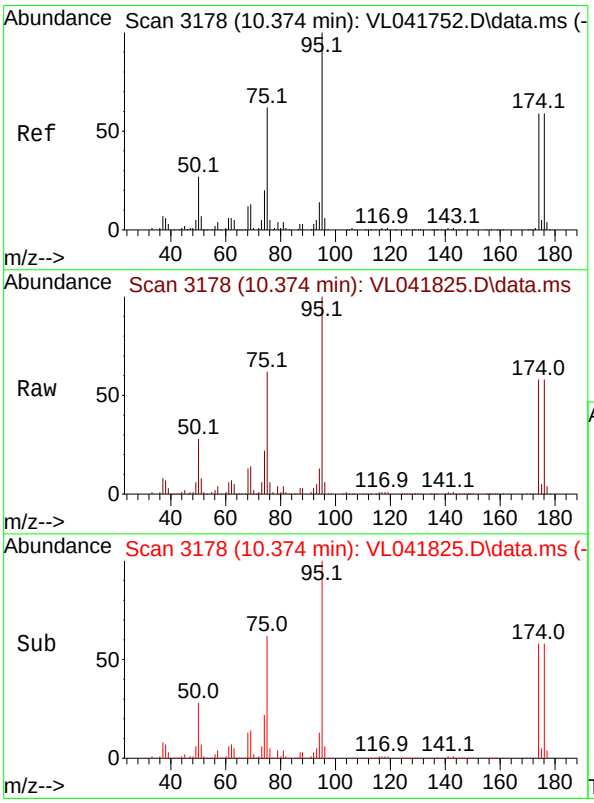
#61
Styrene
Concen: 0.357 ppbv
RT: 9.866 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 4254

Ion	Ratio	Lower	Upper
104	100		
78	58.9	43.8	65.6
103	49.4	37.8	56.6

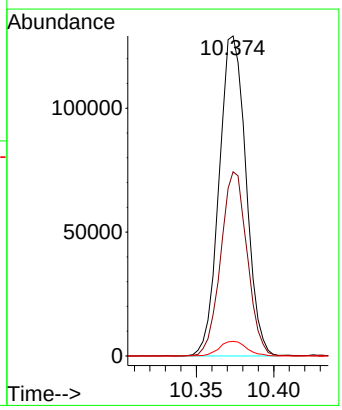


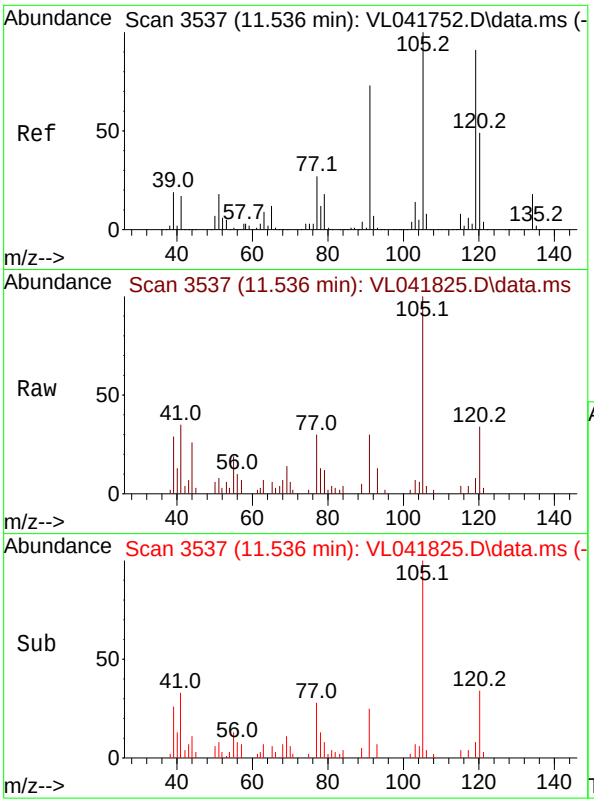


#68
1-Bromo-4-Fluorobenzene
Concen: 9.838 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.000 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Tgt Ion: 95 Resp: 155720

Ion	Ratio	Lower	Upper
95	100		
174	56.6	47.6	71.4
175	4.7	3.7	5.5





#74
1,2,4-Trimethylbenzene
Concen: 0.115 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL041825.D
Acq: 19 Dec 2024 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3328

Ion	Ratio	Lower	Upper
105	100		
120	34.3	39.0	58.4#
91	30.3	58.1	87.1#
77	26.5	21.8	32.8