Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
Data File : VL042385.D
Acq On : 18 Apr 2025 11:38
Operator : SY/MD
Sample : VL0418ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Quant Time: Apr 18 22:56:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	137596	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	421834	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	371546	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	306062	10.024	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	226018	9.297	ppbv	97
3) Chlorodifluoromethane	1.473	51	188655	8.149	ppbv	97
4) Chloromethane	1.531	50	83080	8.636	ppbv	98
5) Vinyl Chloride	1.577	62	79548	7.596	ppbv	97
6) Bromomethane	1.664	94	38033	8.454	ppbv	90
7) Chloroethane	1.703	64	31293	8.263	ppbv	90
8) Dichlorotetrafluoroethane	1.551	85	190713	9.137	ppbv	98
9) Propene	1.483	41	72956	6.920	ppbv	99
10) Heptane	4.972	43	201993	6.820	ppbv	98
11) Trichlorofluoromethane	1.874	101	219477	9.494	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	167879	8.881	ppbv	97
13) Ethanol	1.719	45	3800	2.268	ppbv	96
14) Bromoethene	1.777	108	65024	9.126	ppbv	99
15) Acetone	1.832	43	164938	7.322	ppbv	98
16) 1,3-Butadiene	1.606	39	81350	7.551	ppbv	94
17) tert-Butyl alcohol	2.036	59	228926	8.201	ppbv	99
18) 1,1-Dichloroethene	2.030	96	76914	8.710	ppbv	98
19) Isopropyl Alcohol	1.884	45	103131	8.242	ppbv	99
20) Methylene Chloride	2.059	84	64925	7.360	ppbv	93
21) Allyl Chloride	2.091	41	123726	7.955	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	87708	8.723	ppbv	92
23) Vinyl Acetate	2.457	43	60750	6.663	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	169635	8.882	ppbv	98
25) Ethyl Acetate	2.832	43	426071	7.672	ppbv	100
26) Hexane	2.823	57	170131	7.570	ppbv	97
27) Carbon Disulfide	2.146	76	208766	8.676	ppbv	98
28) Methyl tert-Butyl Ether	2.434	73	122891	8.345	ppbv	93
29) Chloroform	2.845	83	290070	9.131	ppbv	99
30) Cyclohexane	3.849	84	147689	8.129	ppbv	96
31) cis-1,2-Dichloroethene	2.716	61	184087	8.615	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	317651	8.882	ppbv	99
34) 2-Butanone	2.554	43	240467	7.208	ppbv	98
35) Carbon Tetrachloride	3.755	117	326652	8.556	ppbv	95
36) Benzene	3.651	78	349571	7.683	ppbv	96
37) 1,2-Dichloroethane	3.214	62	236222	8.650	ppbv	97
38) Trichloroethene	4.538	130	150355	7.561	ppbv	97
39) 1,2-Dichloropropane	4.305	63	122577	7.229	ppbv	94
40) 1,4-Dioxane	4.577	88	63539	6.819	ppbv #	91
41) Tetrahydrofuran	3.049	42	133932	6.885	ppbv	100
42) Bromodichloromethane	4.480	83	324378	8.535	ppbv	98
43) Methyl Methacrylate	4.875	69	142005	6.925	ppbv	97
44) 2,2,4-Trimethylpentane	4.635	57	567587	7.223	ppbv	97
45) t-1,3-Dichloropropene	6.406	75	159210	7.601	ppbv	93

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
Data File : VL042385.D
Acq On : 18 Apr 2025 11:38
Operator : SY/MD
Sample : VL0418ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Quant Time: Apr 18 22:56:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	192875	7.523	ppbv		90
47) 1,1,2-Trichloroethane	6.574	97	141009	8.163	ppbv		97
48) Dibromochloromethane	7.380	129	267219	8.756	ppbv		99
49) Bromoform	9.477	173	235451	8.823	ppbv		99
50) 4-Methyl-2-Pentanone	5.742	43	357049	6.440	ppbv		100
51) 2-Hexanone	7.432	43	284839	5.729	ppbv		98
52) Tetrachloroethene	8.218	164	134768	7.663	ppbv		97
53) Toluene	6.924	91	416429	7.627	ppbv		100
54) 1,2-Dibromoethane	7.645	107	202809	8.204	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.917	131	204475	9.093	ppbv		97
57) Chlorobenzene	8.917	112	326071	8.438	ppbv		98
58) Ethyl Benzene	9.351	91	597552	8.117	ppbv		97
59) m/p-Xylene	9.545	91	477953	8.060	ppbv	#	29
60) o-Xylene	9.960	91	489890	8.203	ppbv		98
61) Styrene	9.866	104	232960	8.173	ppbv		99
62) Isopropylbenzene	10.536	105	734342	8.376	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.960	83	282429	7.298	ppbv		99
64) n-propylbenzene	10.986	120	184746	8.383	ppbv		96
65) tert-Butylbenzene	11.529	119	665320	8.256	ppbv		92
66) Benzyl Chloride	11.610	91	55103	6.223	ppbv		94
67) sec-Butylbenzene	11.766	105	911164	8.129	ppbv		98
69) p-Isopropyltoluene	11.921	119	799331	8.209	ppbv		99
70) n-Butylbenzene	12.277	91	817538	8.061	ppbv		99
71) 2-Chlorotoluene	10.895	91	562487	8.180	ppbv		98
72) 4-Ethyltoluene	11.121	105	602711	8.256	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	524369	8.135	ppbv		100
74) 1,2,4-Trimethylbenzene	11.533	105	583351	7.749	ppbv	#	91
75) 1,3-Dichlorobenzene	11.604	146	335533	8.575	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	335101	8.520	ppbv		99
77) 1,2-Dichlorobenzene	11.944	146	319466	8.396	ppbv		99
78) Hexachloro-1,3-Butadiene	13.879	225	329813	8.584	ppbv		99
79) Naphthalene	13.510	128	691058	7.676	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	380016	7.407	ppbv		99
81) 1,2,4-Trichlorobenzene	13.436	180	325017	8.408	ppbv		100

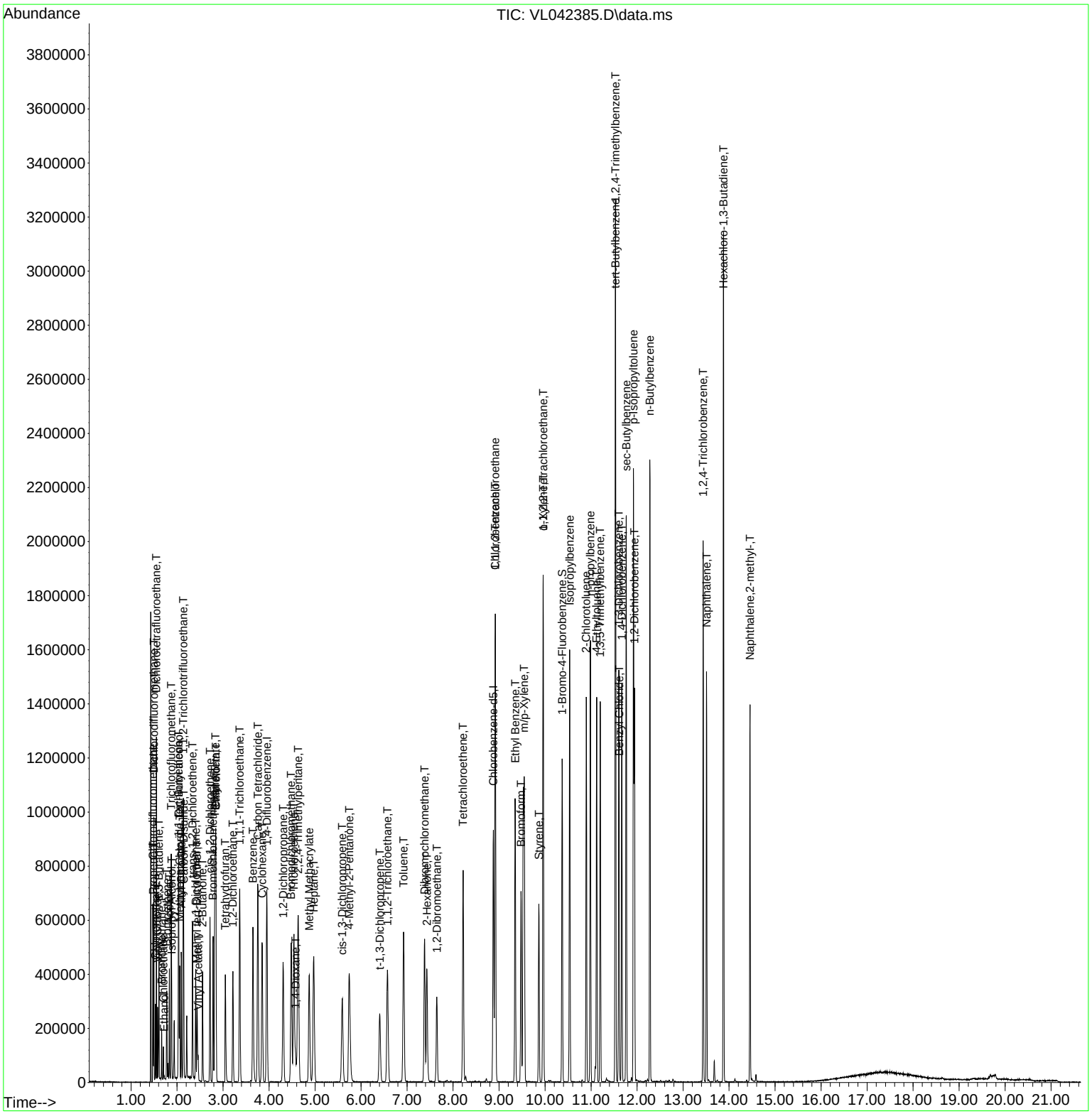
(#) = qualifier out of range (m) = manual integration (+) = signals summed

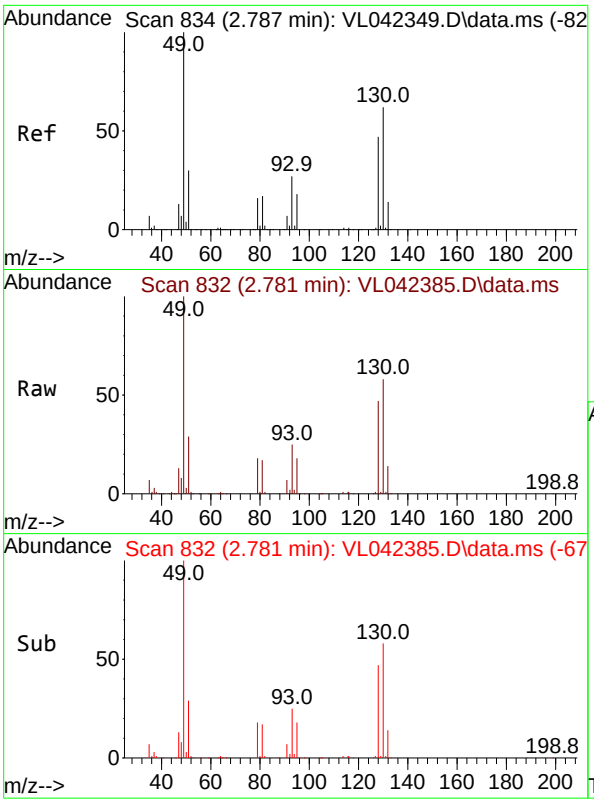
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
Data File : VL042385.D
Acq On : 18 Apr 2025 11:38
Operator : SY/MD
Sample : VL0418ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Quant Time: Apr 18 22:56:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



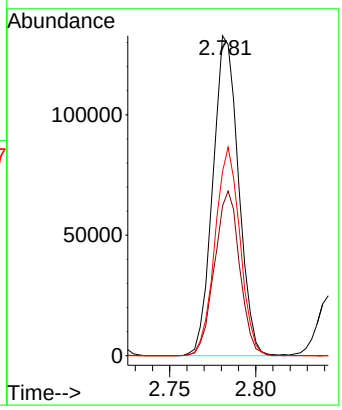


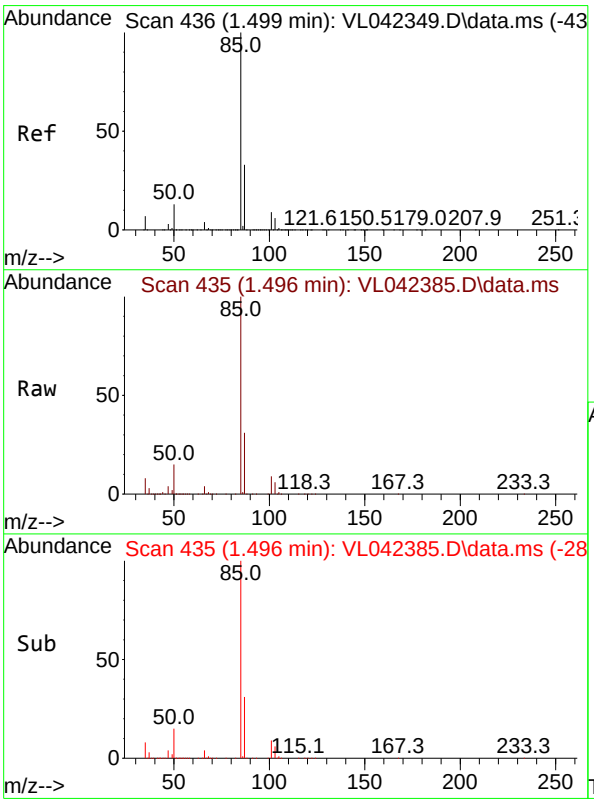
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 49 Resp: 137596

Ion	Ratio	Lower	Upper
49	100		
128	50.6	22.8	68.4
130	63.3	29.3	88.0

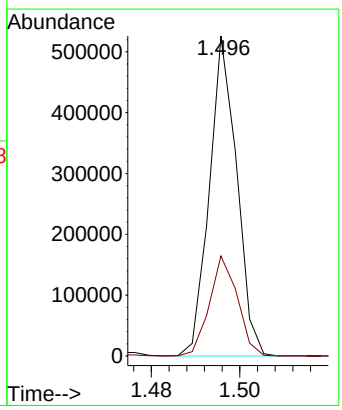


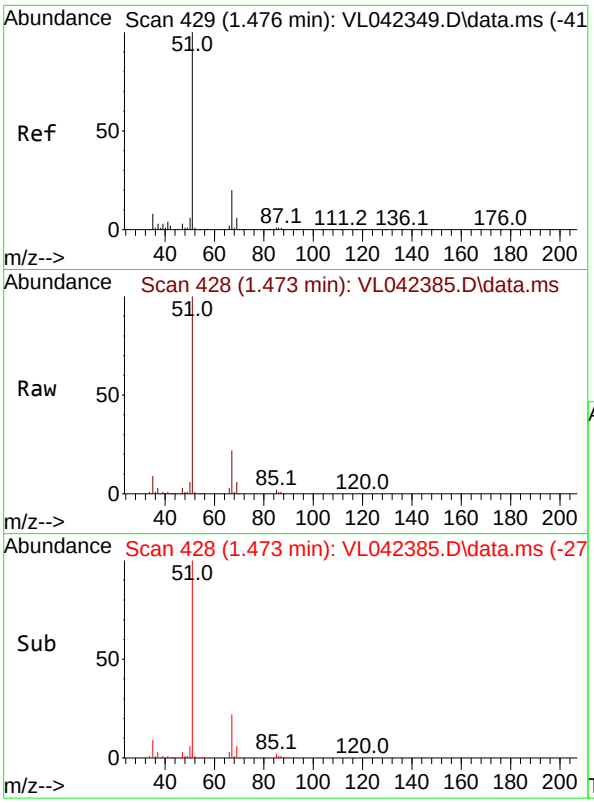


#2
Dichlorodifluoromethane
Concen: 9.297 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 85 Resp: 226018

Ion	Ratio	Lower	Upper
85	100		
87	31.3	26.6	39.8



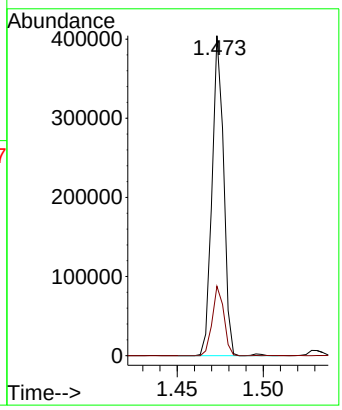


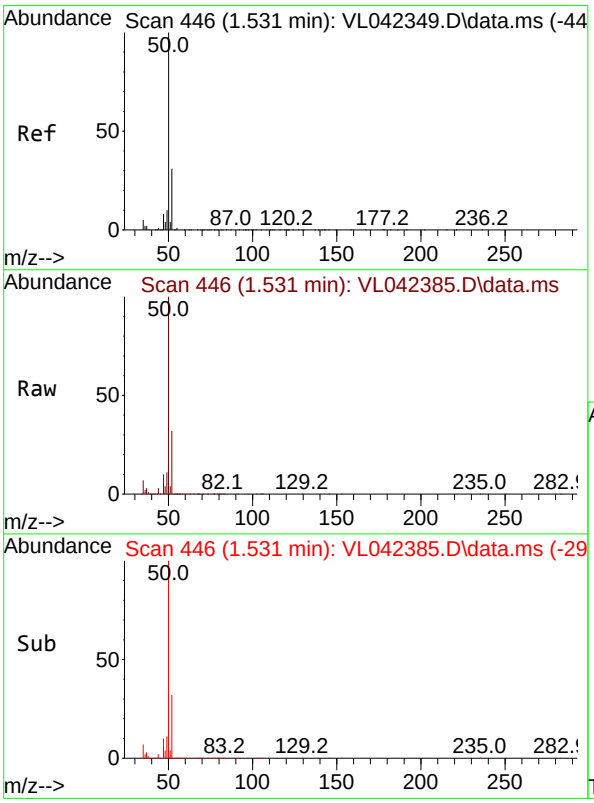
#3
Chlorodifluoromethane
Concen: 8.149 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 51 Resp: 188655

Ion	Ratio	Lower	Upper
51	100		
67	21.8	16.2	24.4

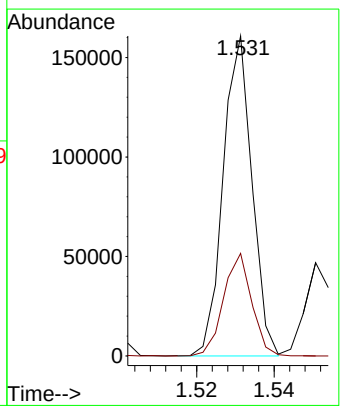


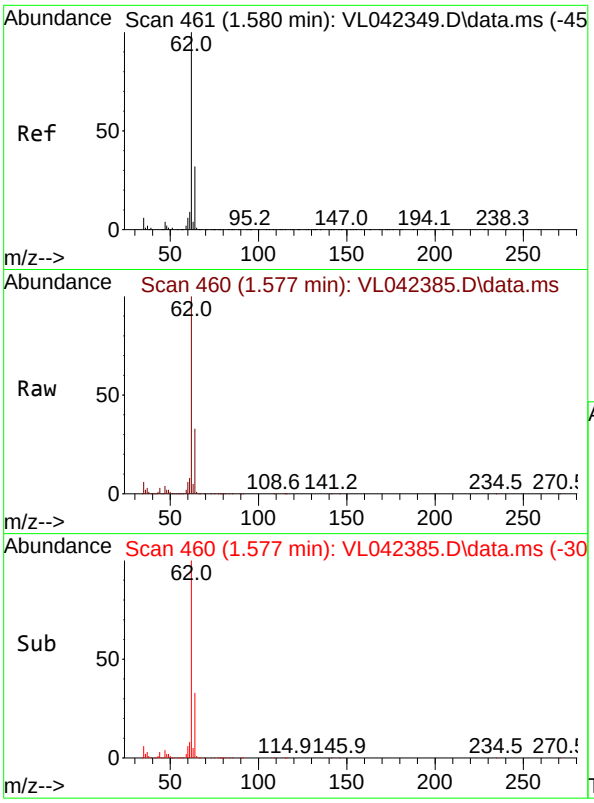


#4
Chloromethane
Concen: 8.636 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 50 Resp: 83080

Ion	Ratio	Lower	Upper
50	100		
52	32.1	24.7	37.1



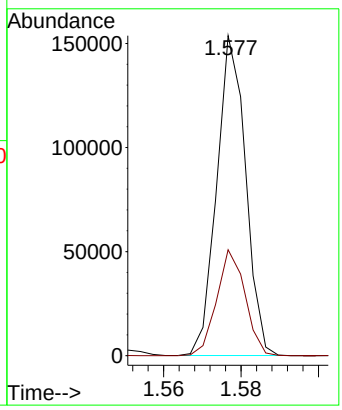


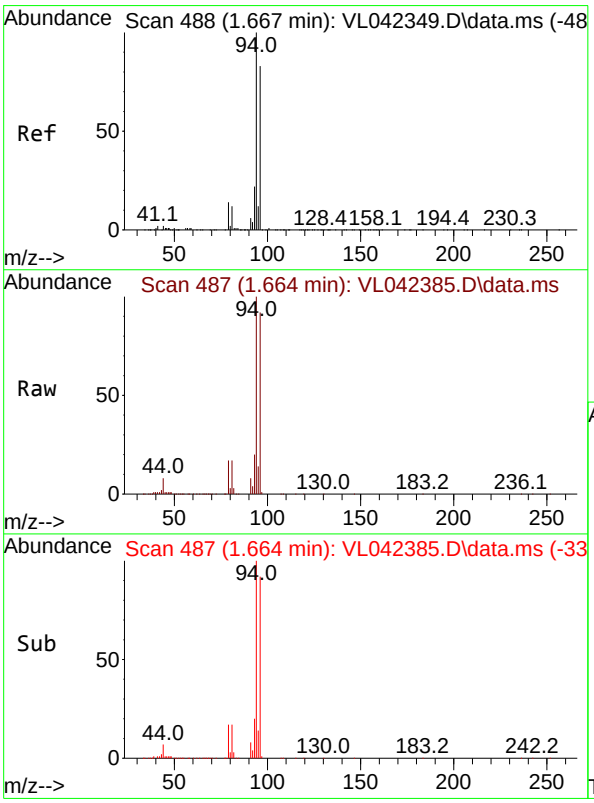
#5
Vinyl Chloride
Concen: 7.596 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 62 Resp: 79548

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.4	38.0

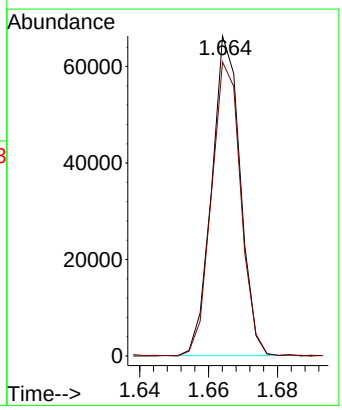


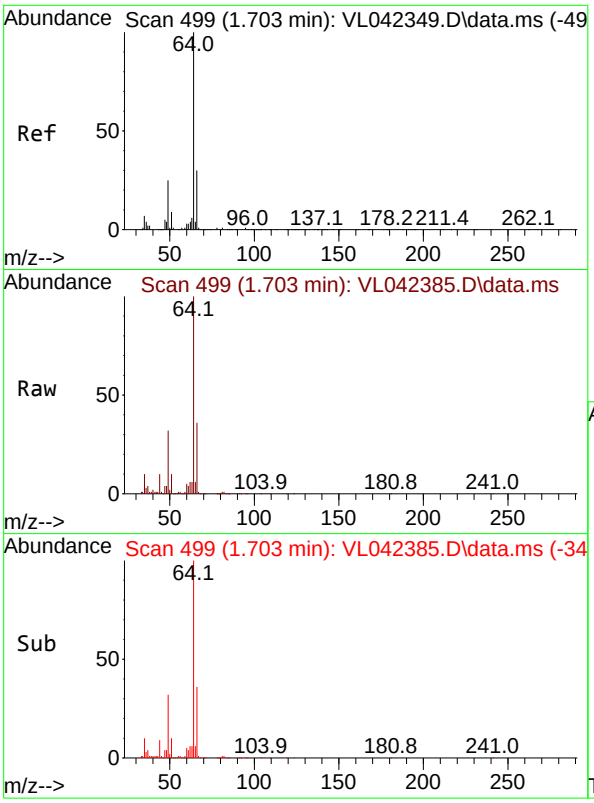


#6
Bromomethane
Concen: 8.454 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 94 Resp: 38033

Ion	Ratio	Lower	Upper
94	100		
96	91.9	66.2	99.2



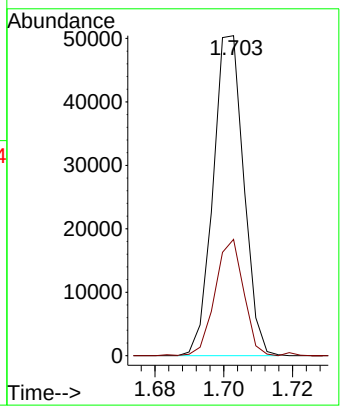


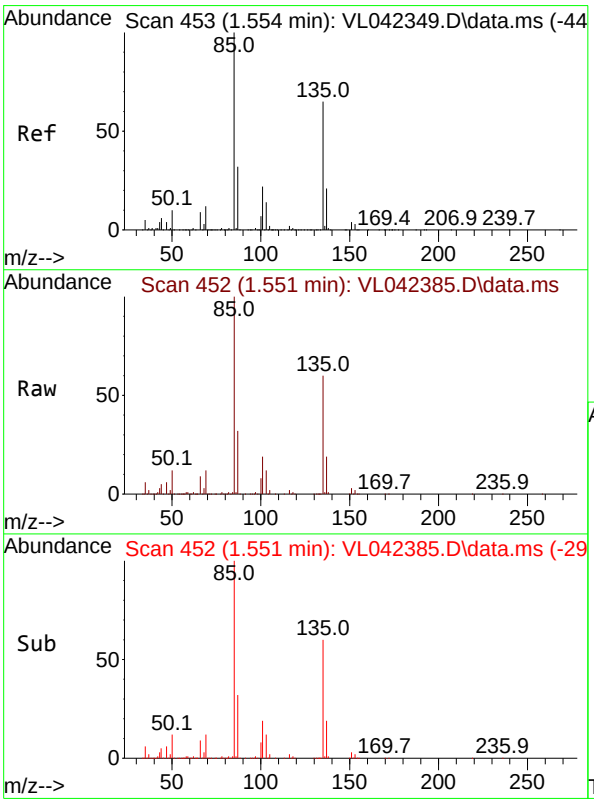
#7
Chloroethane
Concen: 8.263 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 64 Resp: 31293

Ion	Ratio	Lower	Upper
64	100		
66	36.4	24.6	37.0

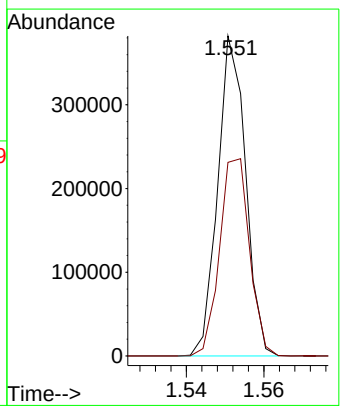


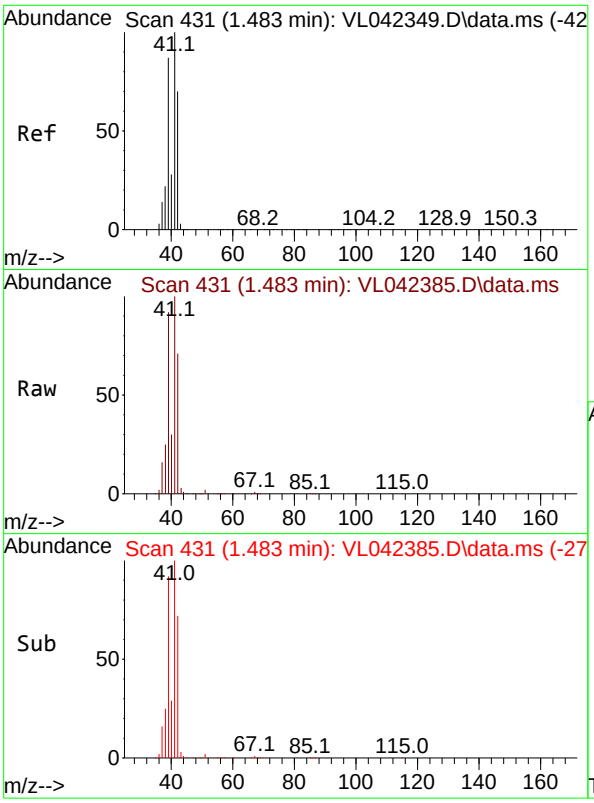


#8
Dichlorotetrafluoroethane
Concen: 9.137 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 85 Resp: 190713

Ion	Ratio	Lower	Upper
85	100		
135	66.5	52.2	78.2



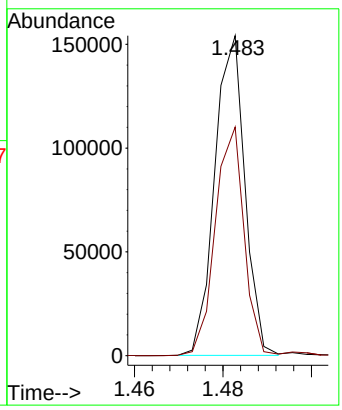


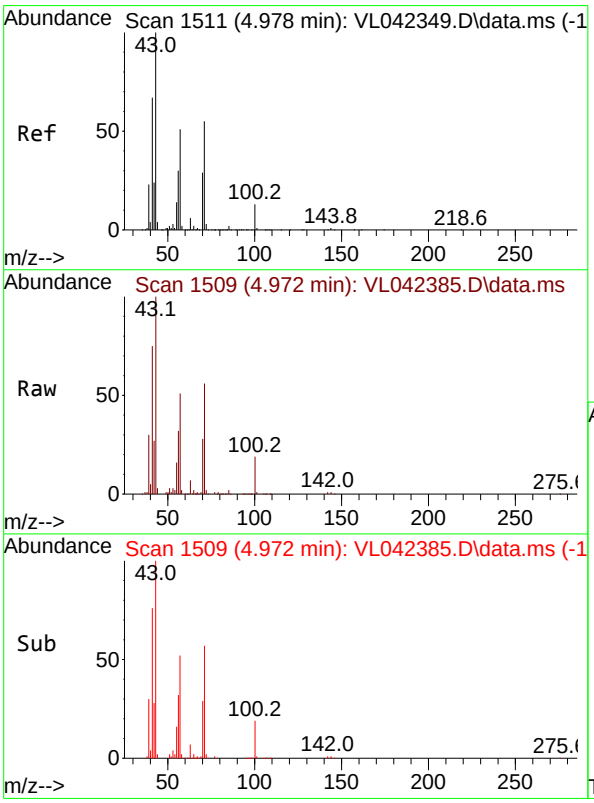
#9
Propene
Concen: 6.920 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 41 Resp: 72956

Ion	Ratio	Lower	Upper
41	100		
42	69.5	56.2	84.4

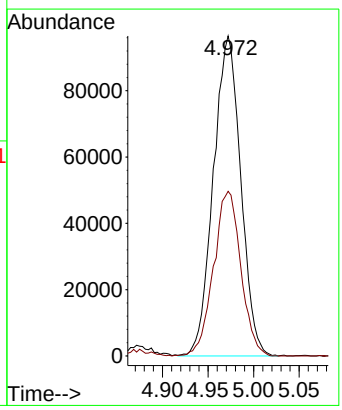


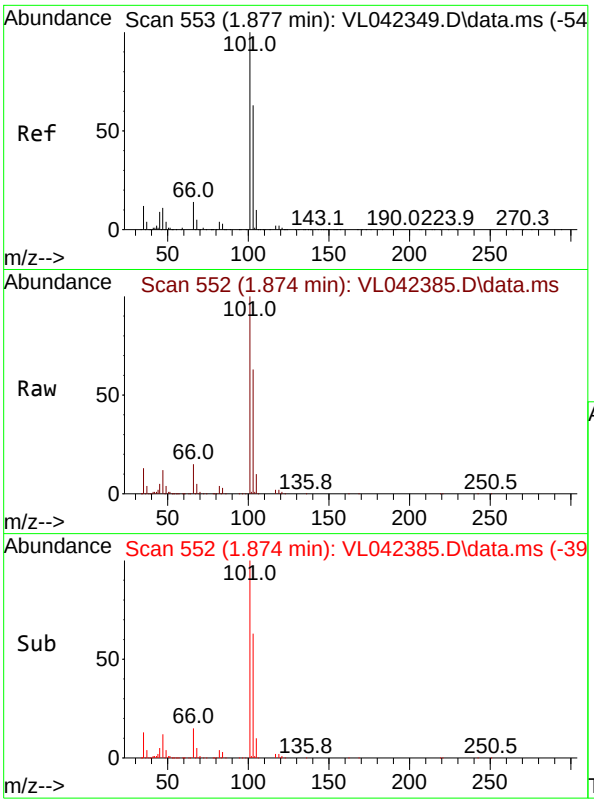


#10
Heptane
Concen: 6.820 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 43 Resp: 201993

Ion	Ratio	Lower	Upper
43	100		
57	51.3	39.9	59.9



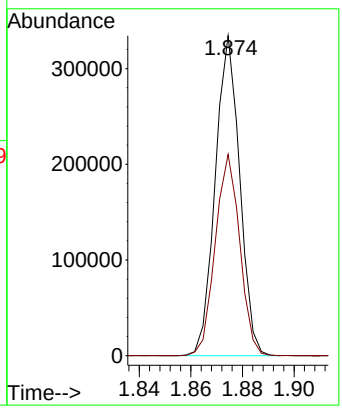


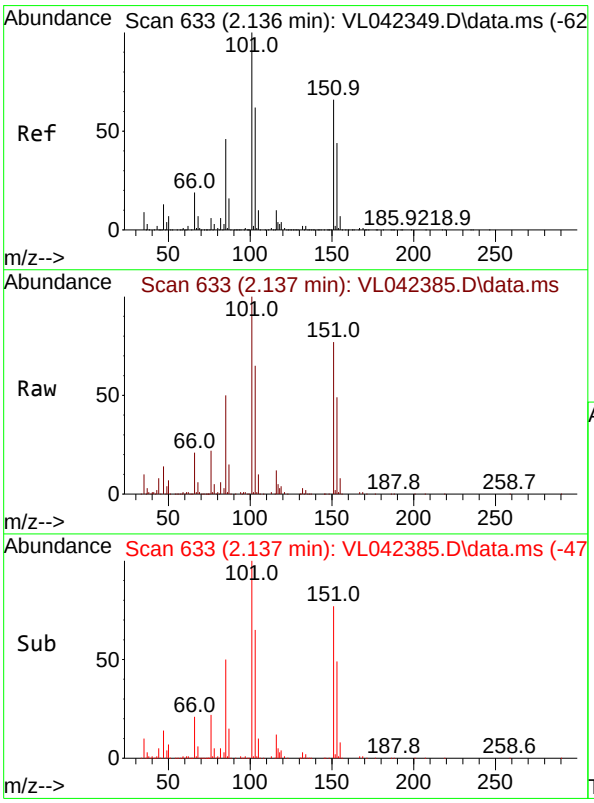
#11
Trichlorofluoromethane
Concen: 9.494 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:101 Resp: 219477

Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.1	75.1

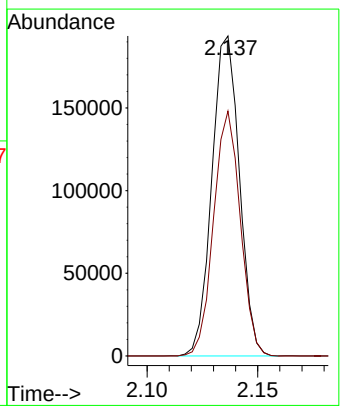


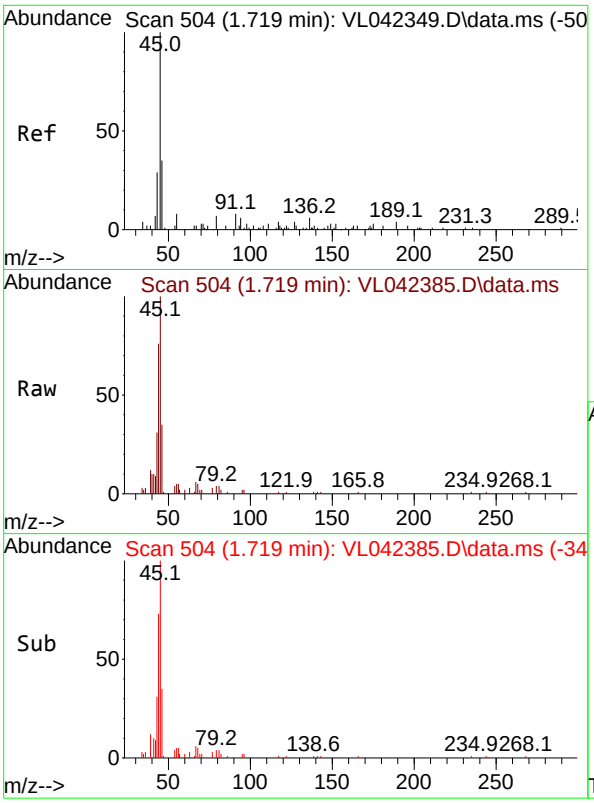


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.881 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:101 Resp: 167879

Ion	Ratio	Lower	Upper
101	100		
151	74.0	57.0	85.6



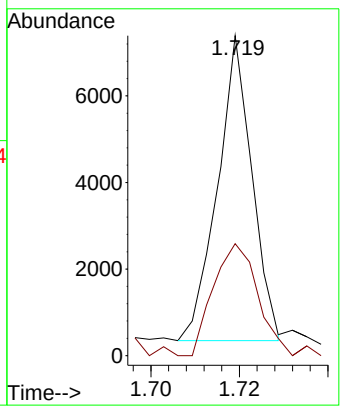


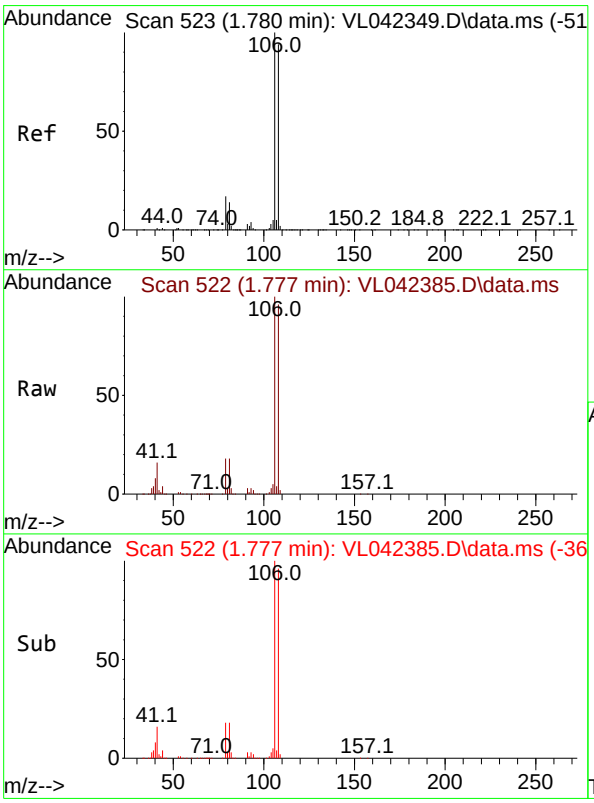
#13
Ethanol
Concen: 2.268 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 45 Resp: 3800

Ion	Ratio	Lower	Upper
45	100		
46	51.6	21.9	87.7

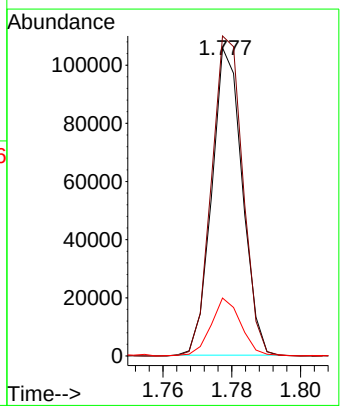


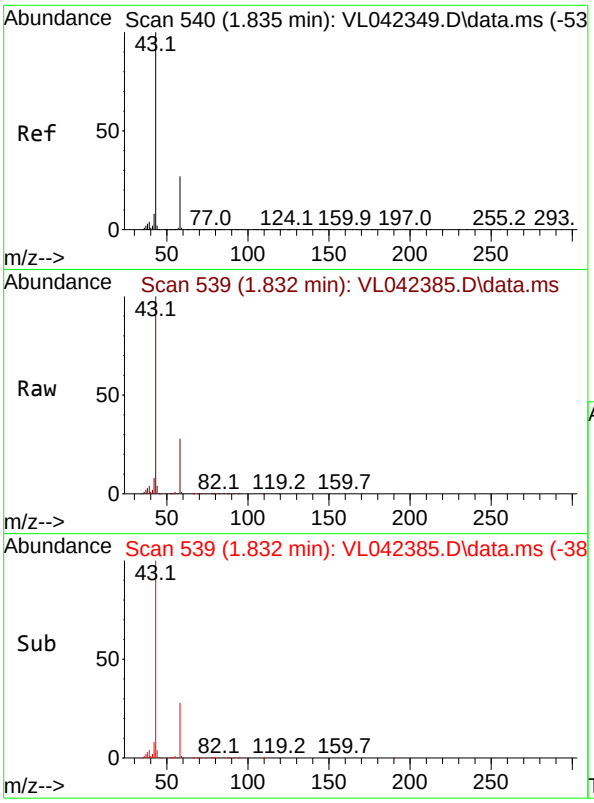


#14
Bromoethene
Concen: 9.126 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:108 Resp: 65024

Ion	Ratio	Lower	Upper
108	100		
106	107.2	85.9	128.9
79	19.1	13.9	20.9



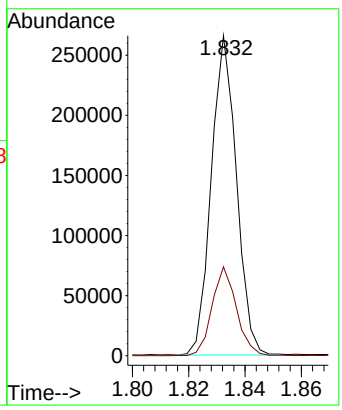


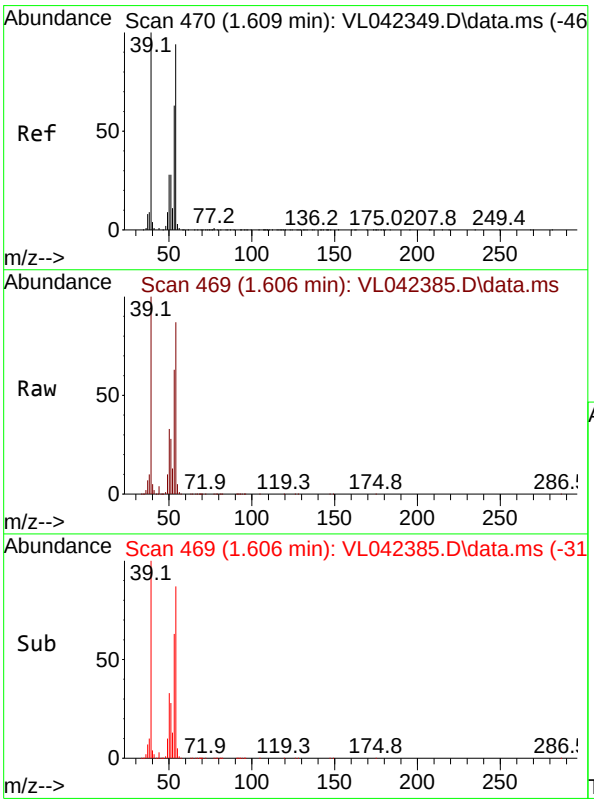
#15
Acetone
Concen: 7.322 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 43 Resp: 164938

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.4	33.6

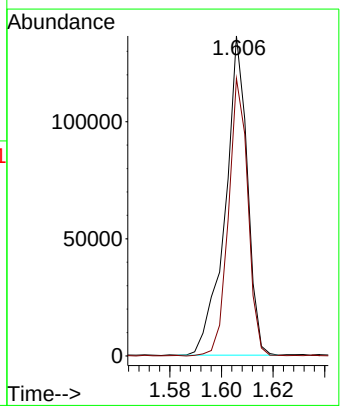


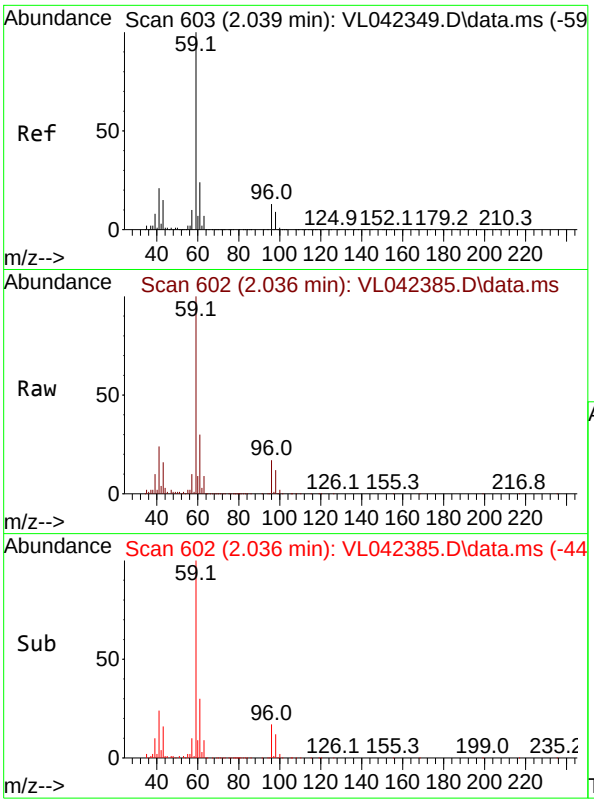


#16
1,3-Butadiene
Concen: 7.551 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 39 Resp: 81350

Ion	Ratio	Lower	Upper
39	100		
54	75.9	64.9	97.3



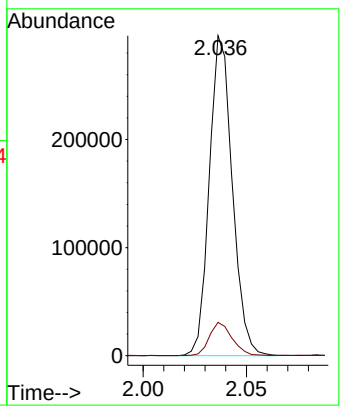


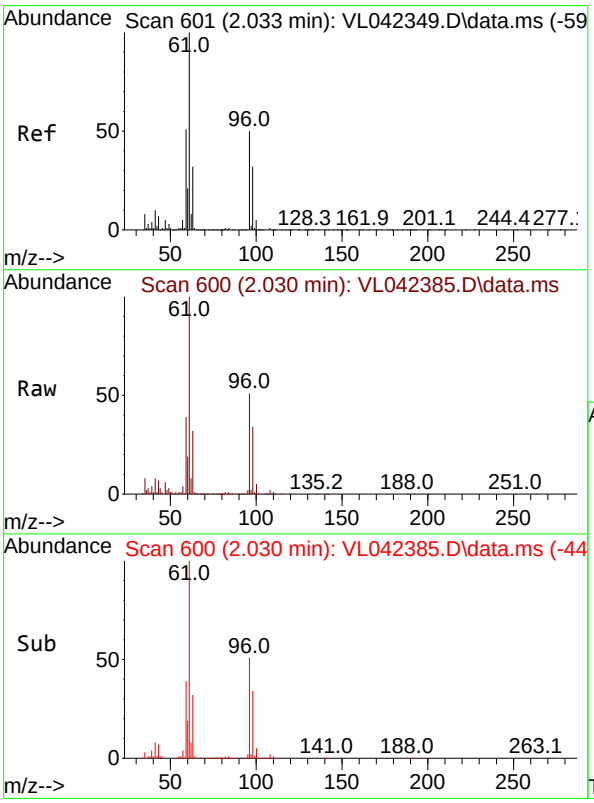
#17
tert-Butyl alcohol
Concen: 8.201 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 59 Resp: 228926

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.7	13.1

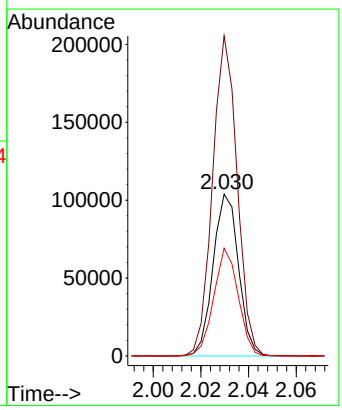


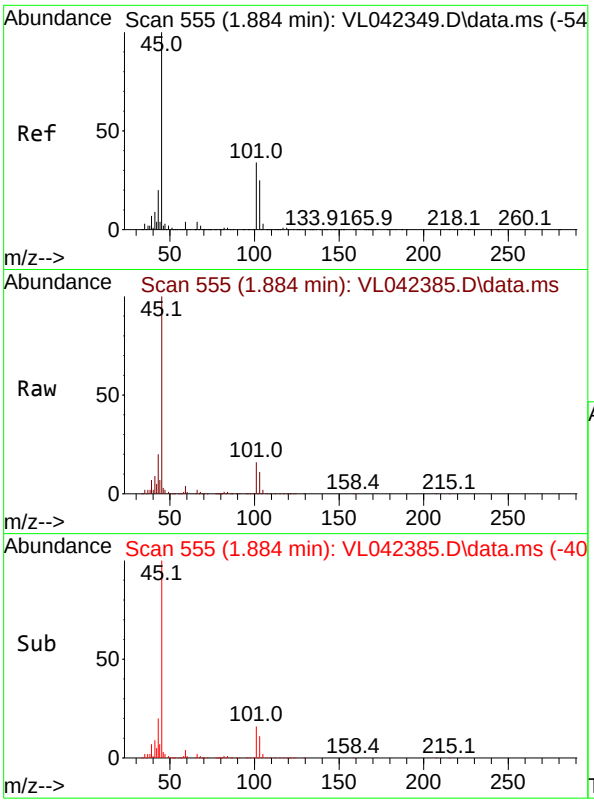


#18
1,1-Dichloroethene
Concen: 8.710 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 96 Resp: 76914

Ion	Ratio	Lower	Upper
96	100		
61	197.8	160.2	240.2
98	66.6	51.0	76.4



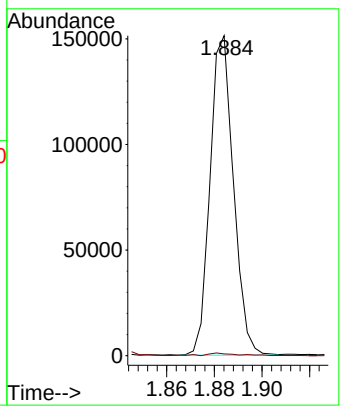


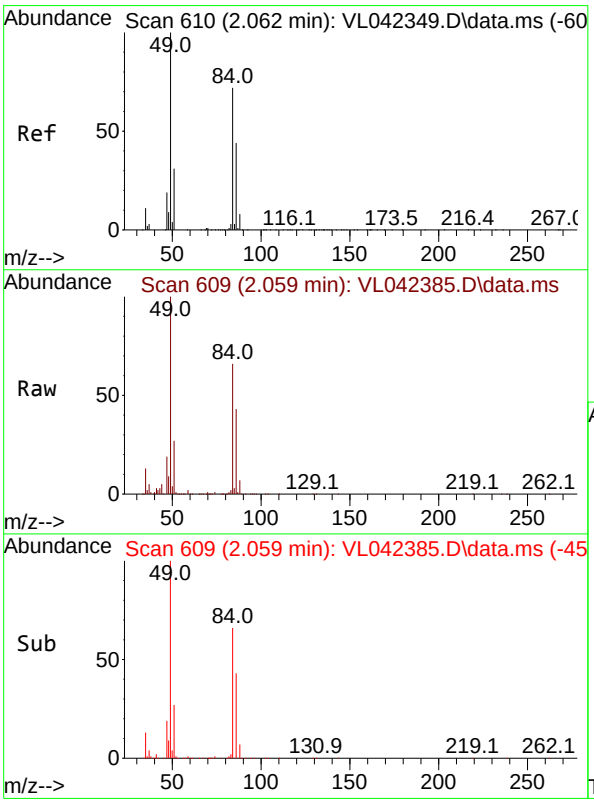
#19
Isopropyl Alcohol
Concen: 8.242 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 45 Resp: 103131

Ion	Ratio	Lower	Upper
45	100		
58	43.5	34.5	51.7

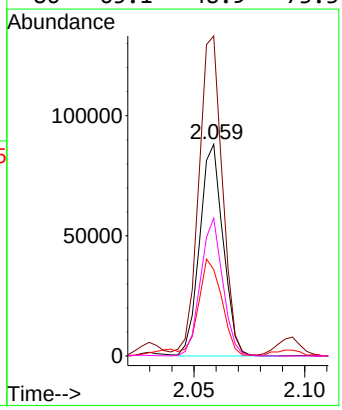


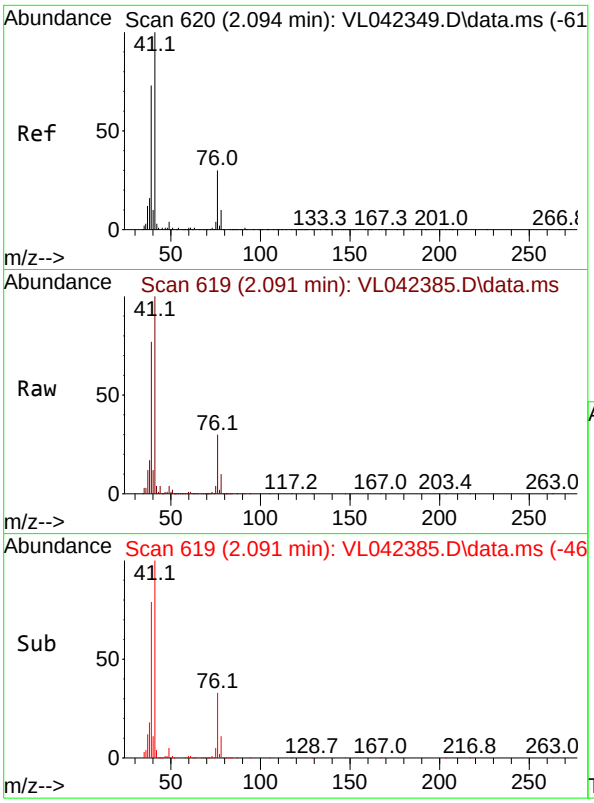


#20
Methylene Chloride
Concen: 7.360 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 84 Resp: 64925

Ion	Ratio	Lower	Upper
84	100		
49	148.0	111.6	167.4
51	39.0	35.1	52.7
86	65.1	48.9	73.3



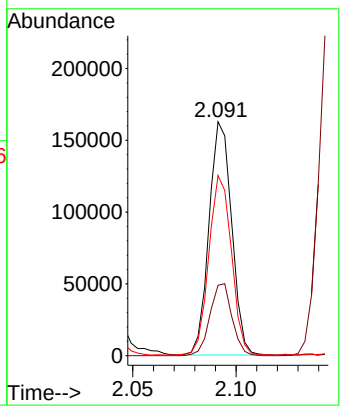


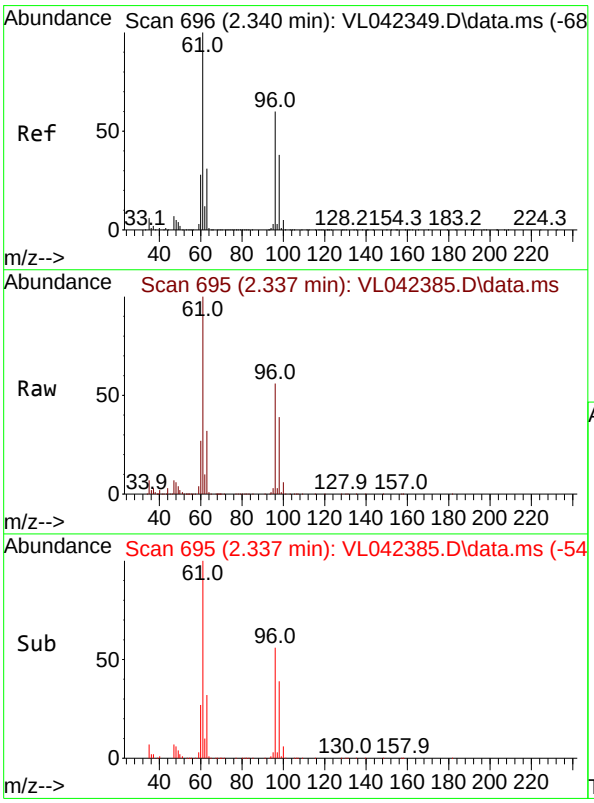
#21
Allyl Chloride
Concen: 7.955 ppbv
RT: 2.091 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 41 Resp: 123726

Ion	Ratio	Lower	Upper
41	100		
76	30.0	24.8	37.2
39	76.9	60.6	90.8

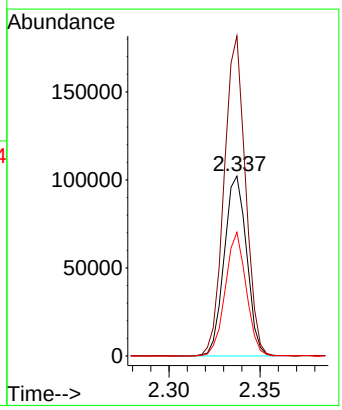


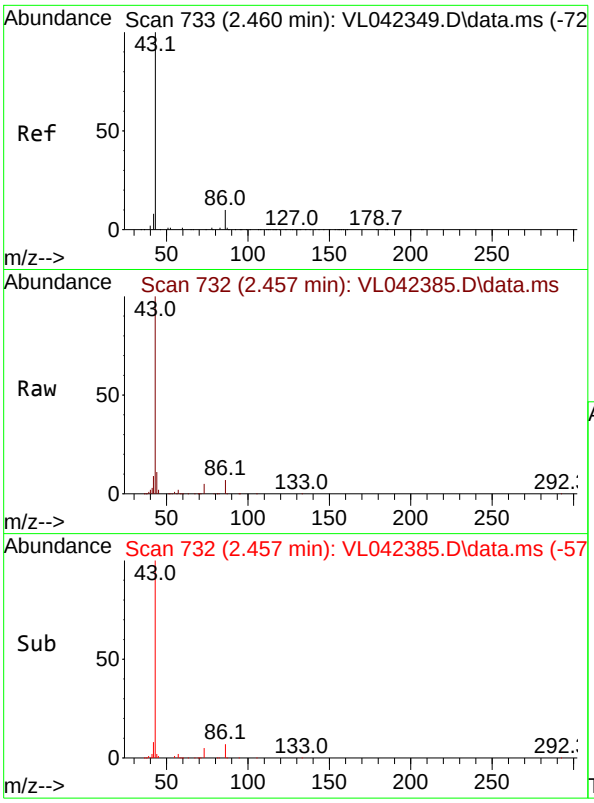


#22
trans-1,2-Dichloroethene
Concen: 8.723 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 96 Resp: 87708

Ion	Ratio	Lower	Upper
96	100		
61	177.9	133.7	200.5
98	68.8	50.3	75.5



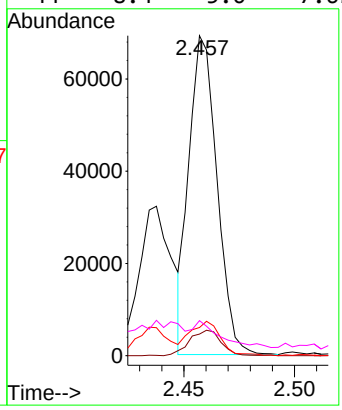


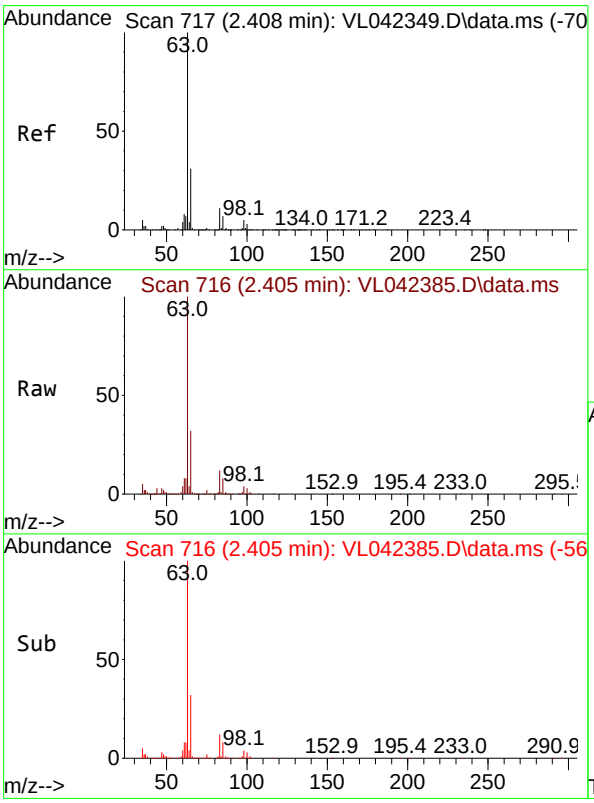
#23
Vinyl Acetate
Concen: 6.663 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 43 Resp: 60750

Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.5	9.7
42	8.8	7.8	11.8
44	8.4	5.0	7.6#

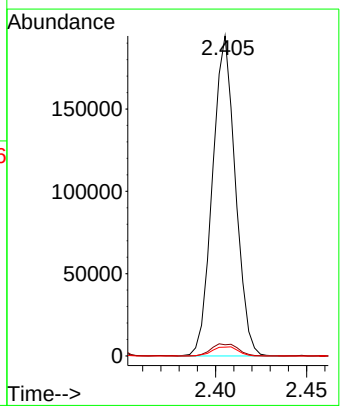


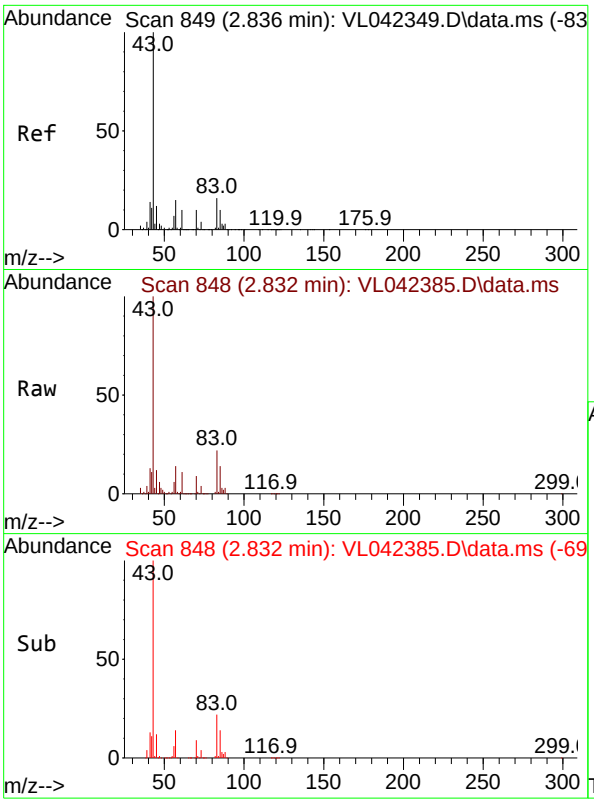


#24
1,1-Dichloroethane
Concen: 8.882 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 63 Resp: 169635

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.3	6.8
100	2.8	1.6	4.8



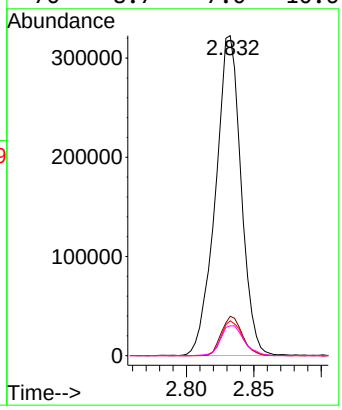


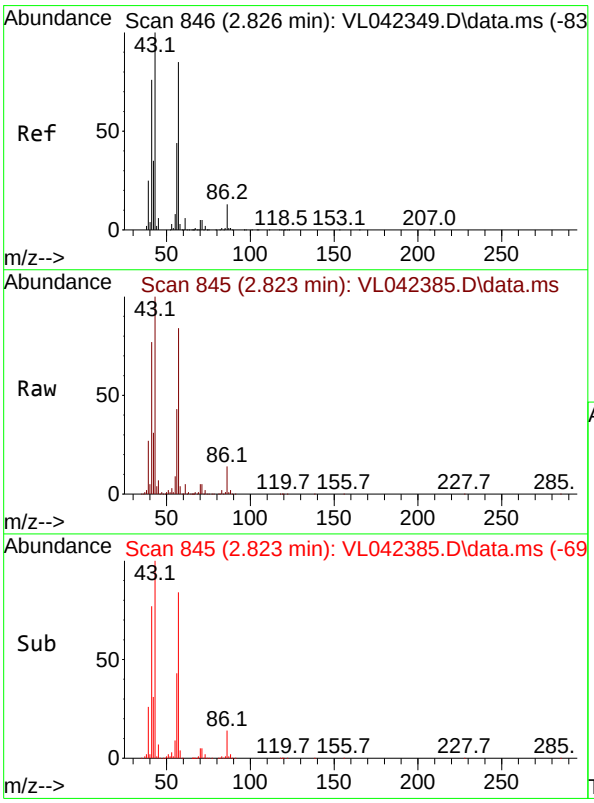
#25
Ethyl Acetate
Concen: 7.672 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 43 Resp: 426071

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.1	7.3	10.9
70	8.7	7.0	10.6

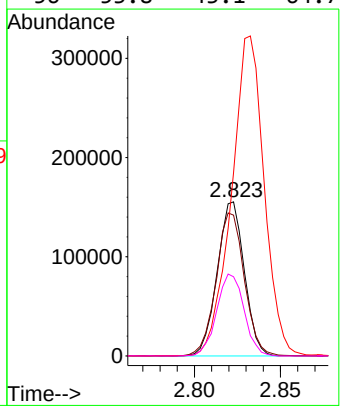


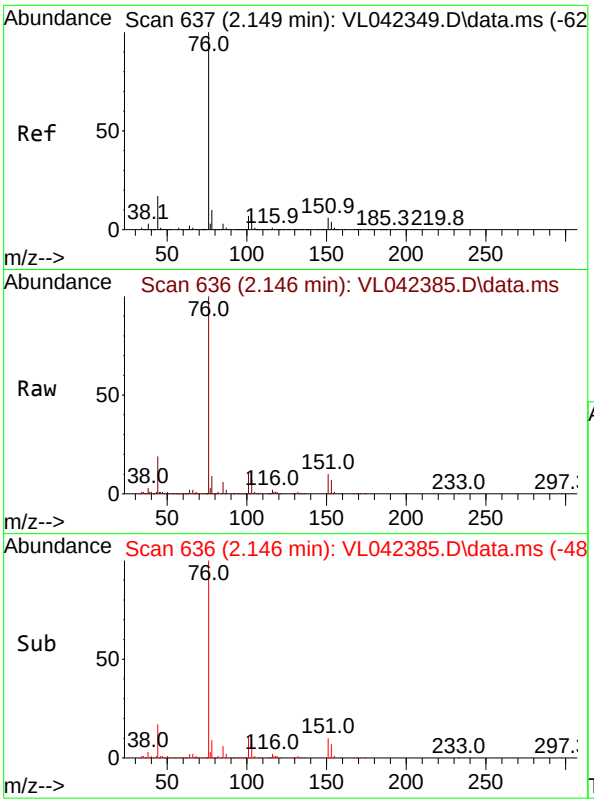


#26
Hexane
Concen: 7.570 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 57 Resp: 170131

Ion	Ratio	Lower	Upper
57	100		
41	97.1	77.9	116.9
43	251.0	208.4	312.6
56	53.8	43.1	64.7



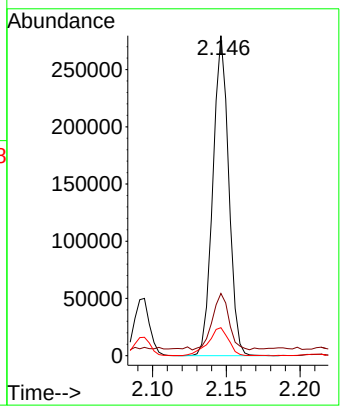


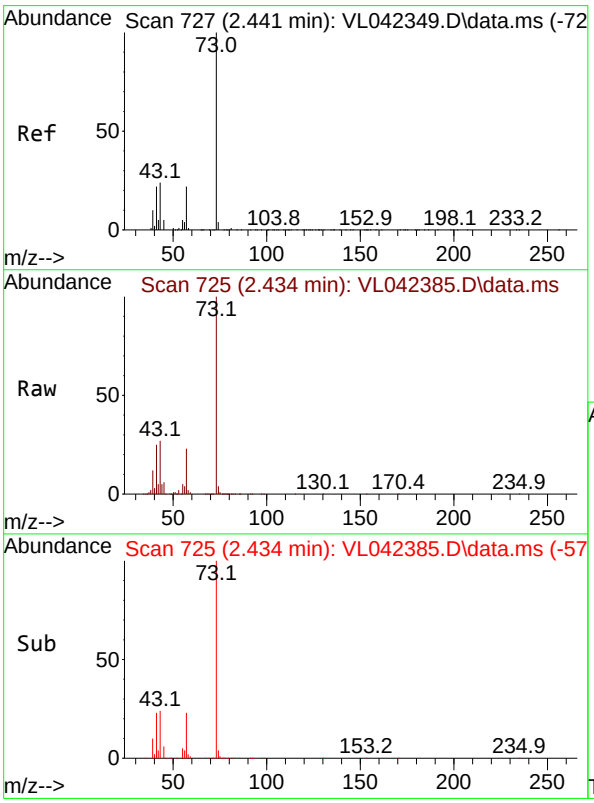
#27
Carbon Disulfide
Concen: 8.676 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 76 Resp: 208766

Ion	Ratio	Lower	Upper
76	100		
44	17.8	15.5	23.3
78	11.3	9.3	13.9

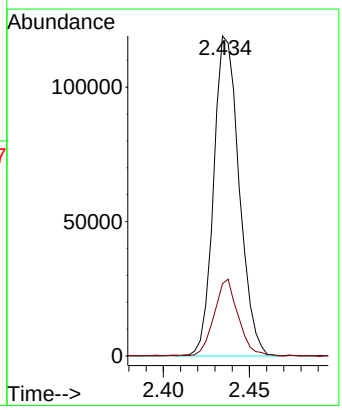


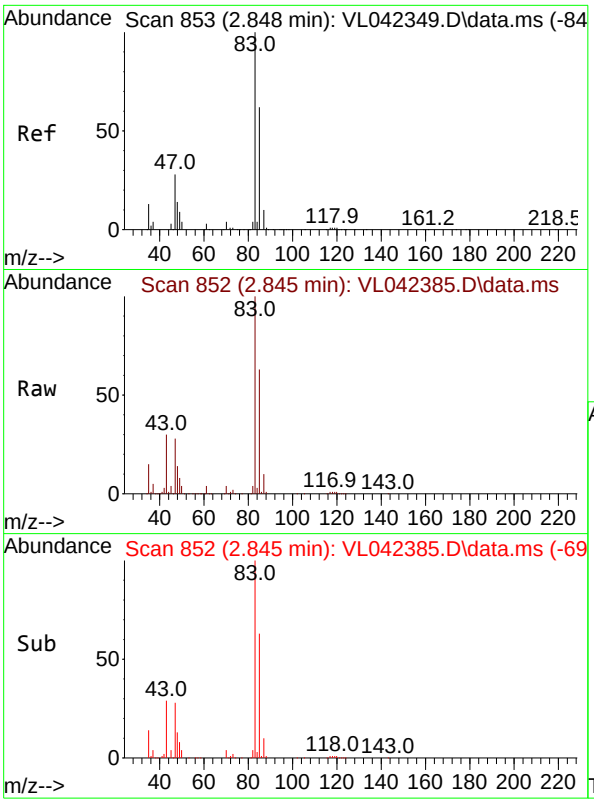


#28
Methyl tert-Butyl Ether
Concen: 8.345 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 73 Resp: 122891

Ion	Ratio	Lower	Upper
73	100		
57	22.9	21.3	31.9



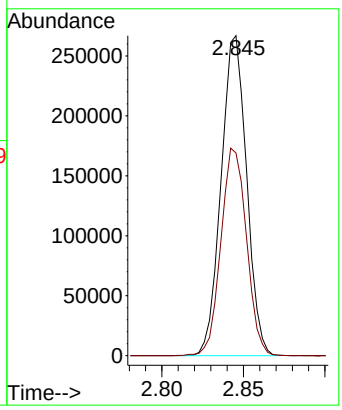


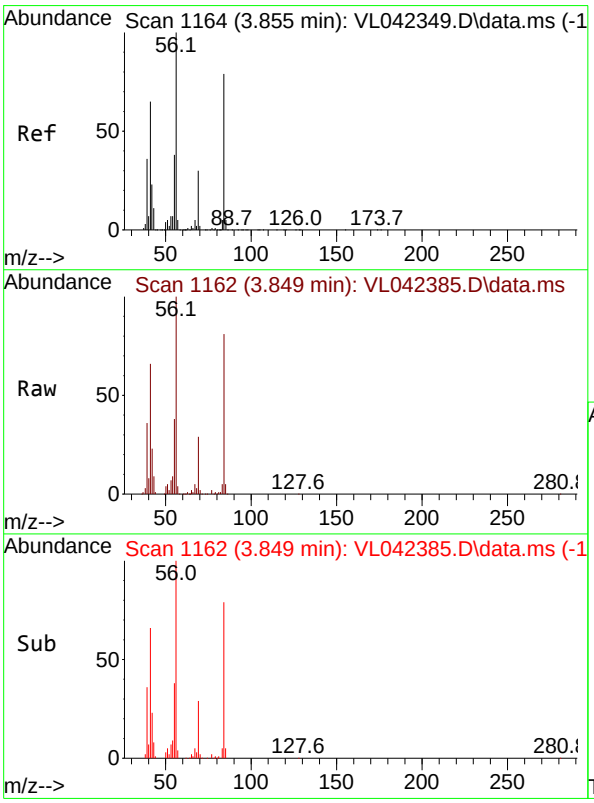
#29
Chloroform
Concen: 9.131 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 83 Resp: 290070

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.0	75.0

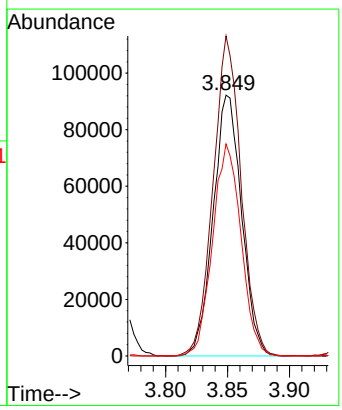


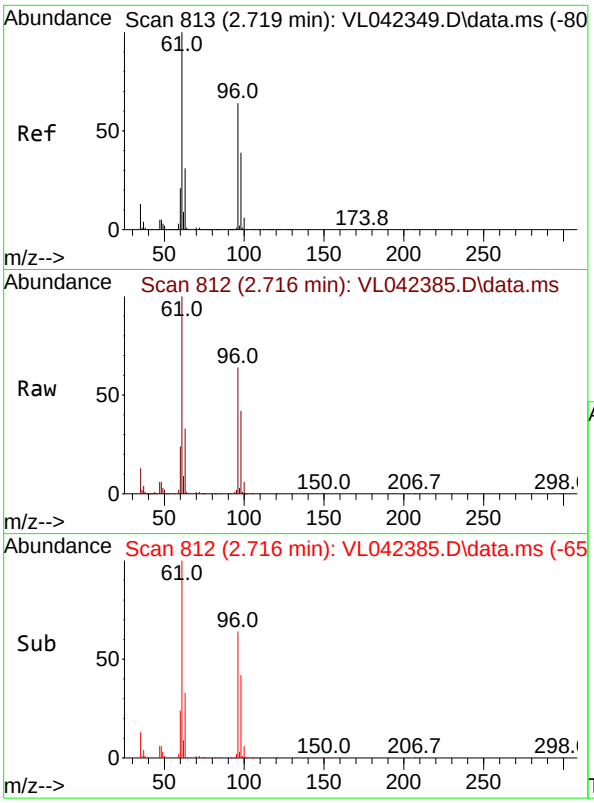


#30
Cyclohexane
Concen: 8.129 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 84 Resp: 147689

Ion	Ratio	Lower	Upper
84	100		
56	120.4	101.0	151.4
41	81.3	67.4	101.0



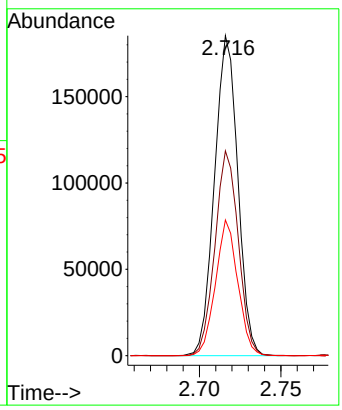


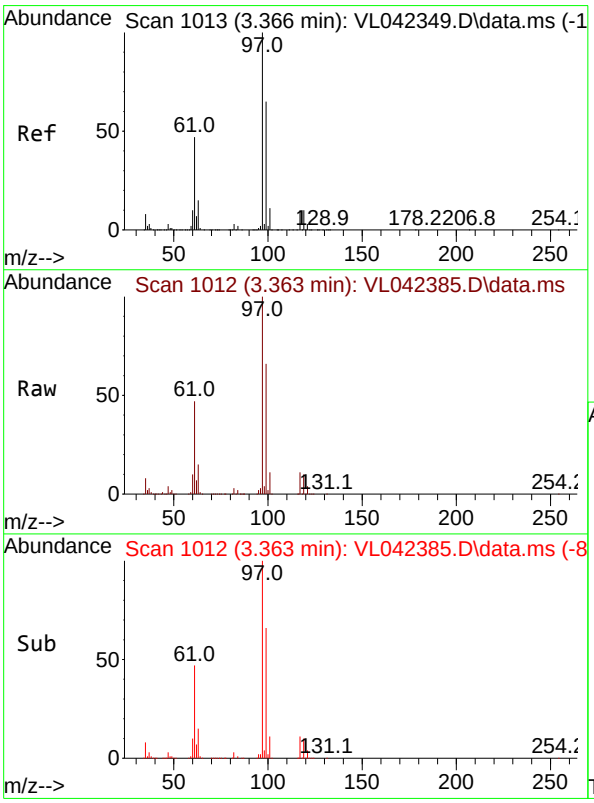
#31
cis-1,2-Dichloroethene
Concen: 8.615 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 61 Resp: 184087

Ion	Ratio	Lower	Upper
61	100		
96	64.0	50.8	76.2
98	42.4	30.9	46.3

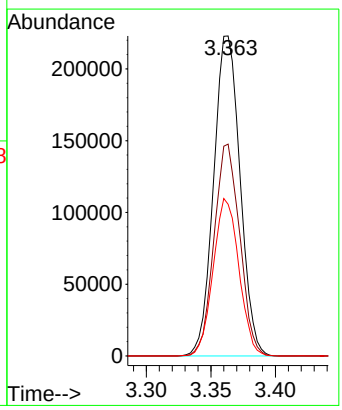


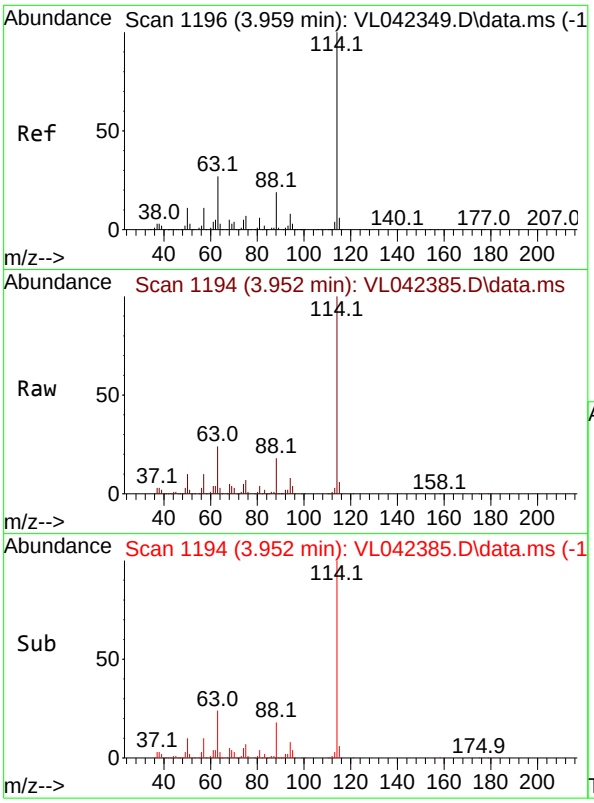


#32
1,1,1-Trichloroethane
Concen: 8.882 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 97 Resp: 317651

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	48.0	38.8	58.2



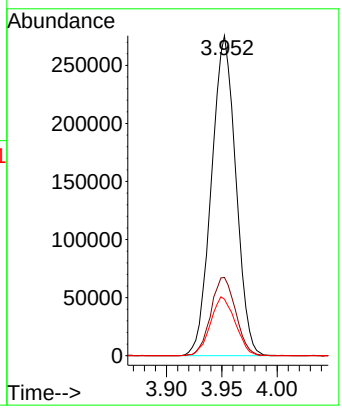


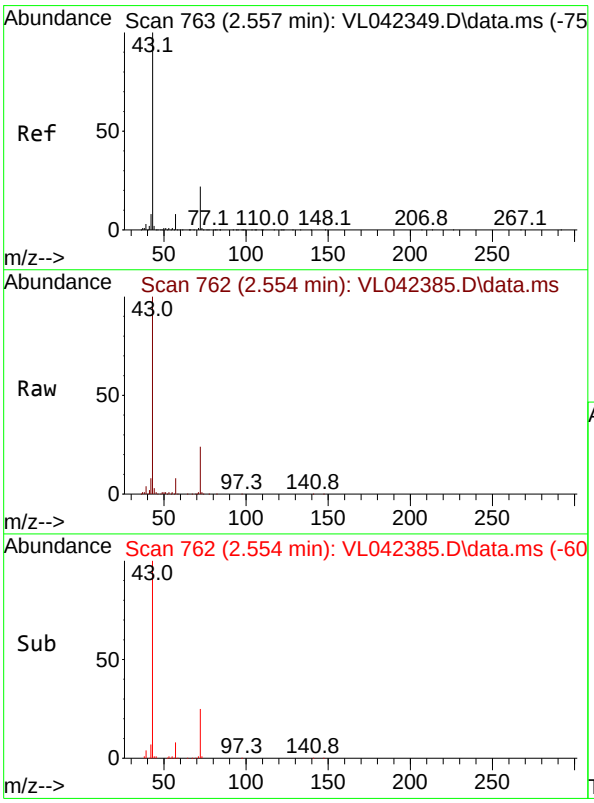
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:114 Resp: 421834

Ion	Ratio	Lower	Upper
114	100		
63	25.0	21.8	32.6
88	18.7	15.5	23.3

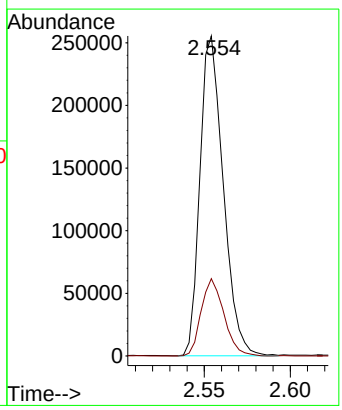


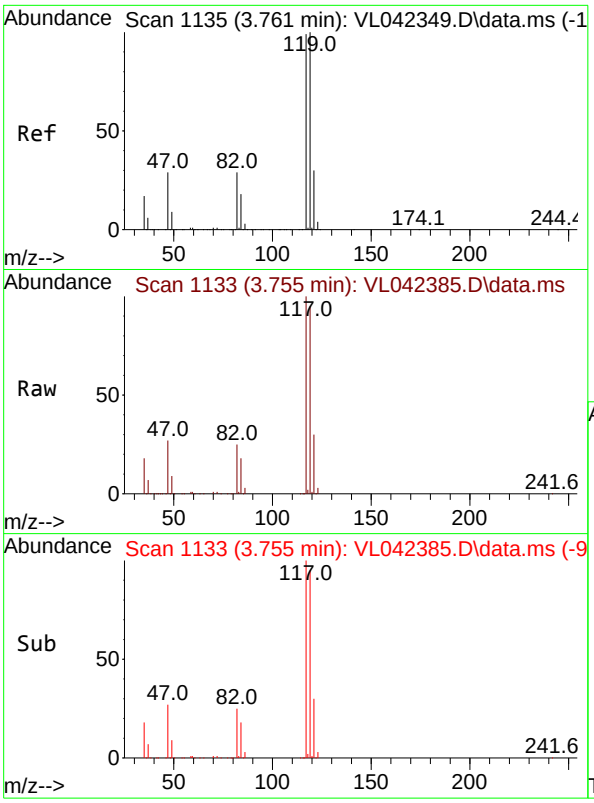


#34
2-Butanone
Concen: 7.208 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 43 Resp: 240467

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.2	27.2



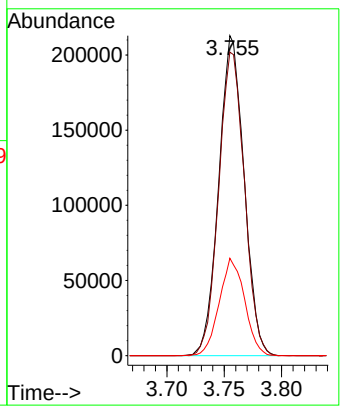


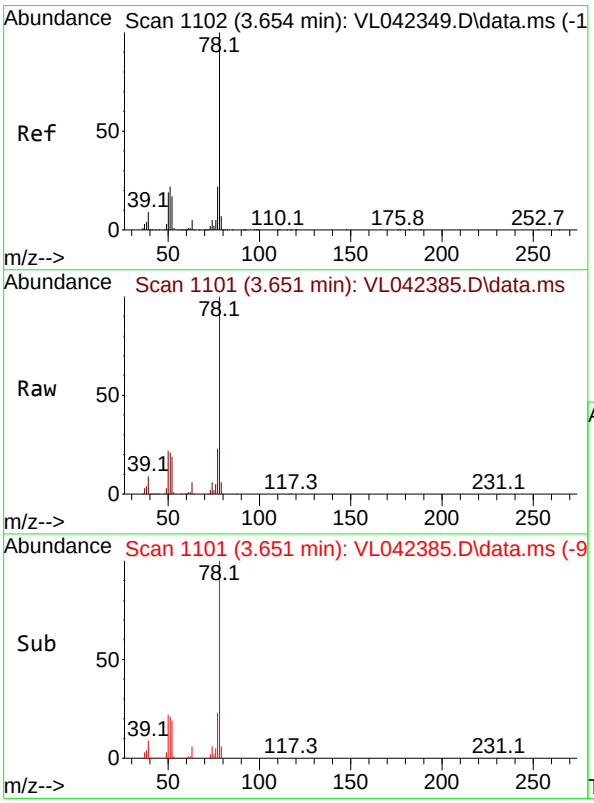
#35
Carbon Tetrachloride
Concen: 8.556 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:117 Resp: 326652

Ion	Ratio	Lower	Upper
117	100		
119	94.8	80.5	120.7
121	30.4	24.2	36.2

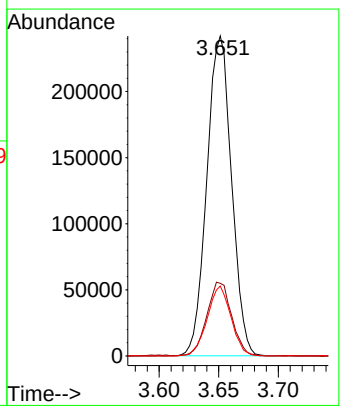


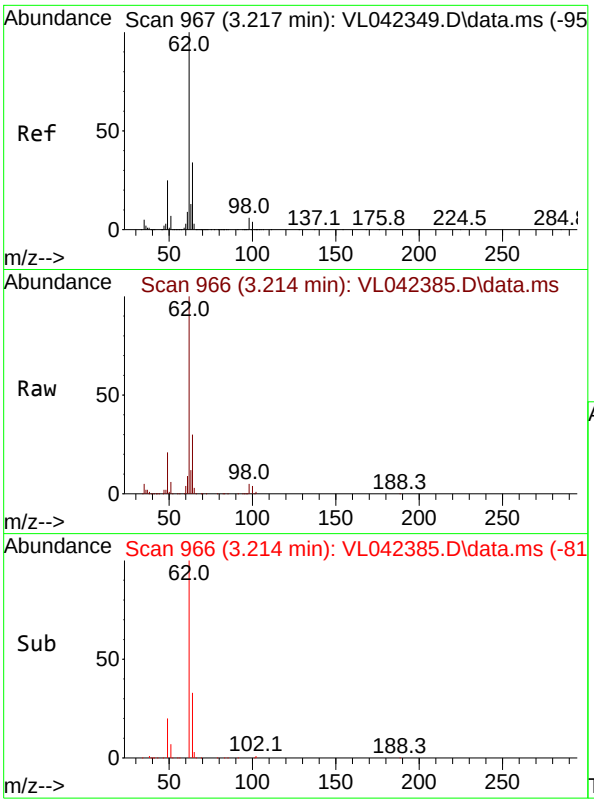


#36
Benzene
Concen: 7.683 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 78 Resp: 349571

Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.4	26.0
50	21.8	15.5	23.3



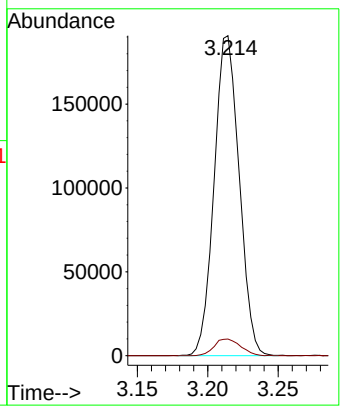


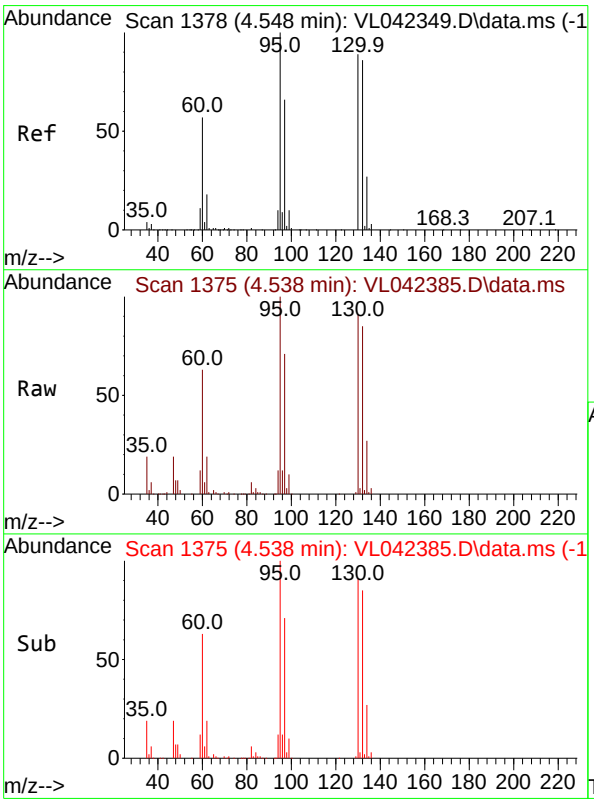
#37
1,2-Dichloroethane
Concen: 8.650 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 62 Resp: 236222

Ion	Ratio	Lower	Upper
62	100		
98	5.5	5.1	7.7

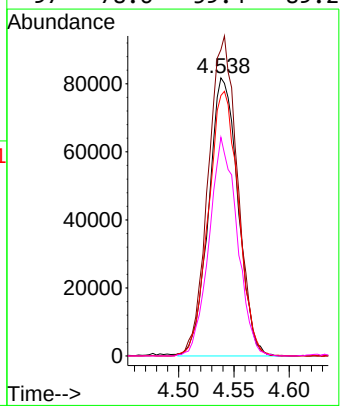


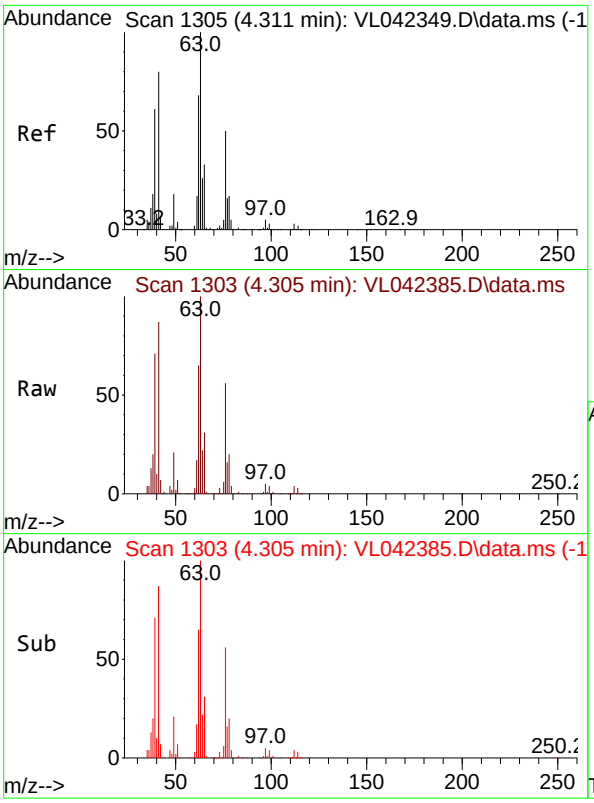


#38
Trichloroethene
Concen: 7.561 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.010 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:130 Resp: 150355

Ion	Ratio	Lower	Upper
130	100		
95	110.0	89.8	134.6
132	93.4	77.7	116.5
97	78.6	59.4	89.2



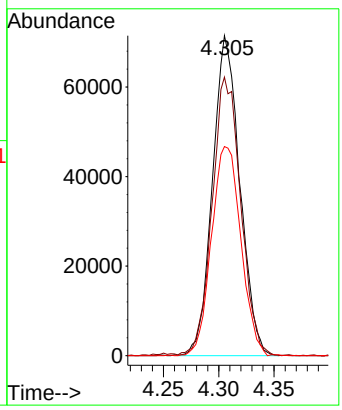


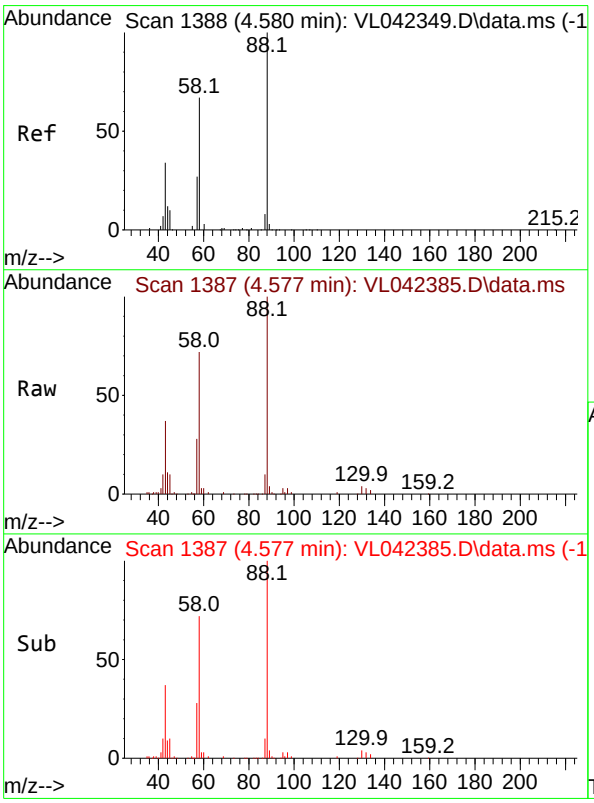
#39
1,2-Dichloropropane
Concen: 7.229 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 63 Resp: 122577

Ion	Ratio	Lower	Upper
63	100		
41	86.9	64.2	96.2
62	65.3	54.3	81.5

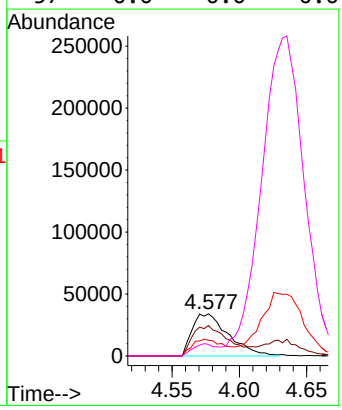


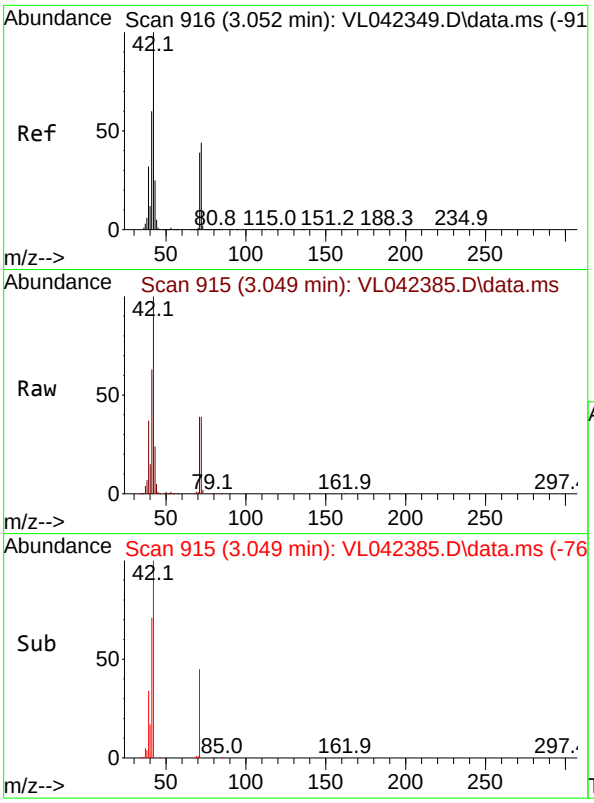


#40
1,4-Dioxane
Concen: 6.819 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 88 Resp: 63539

Ion	Ratio	Lower	Upper
88	100		
58	70.2	61.4	92.0
43	36.0	23.2	34.8#
57	0.0	0.0	0.0



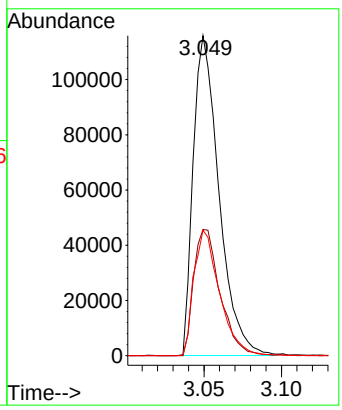


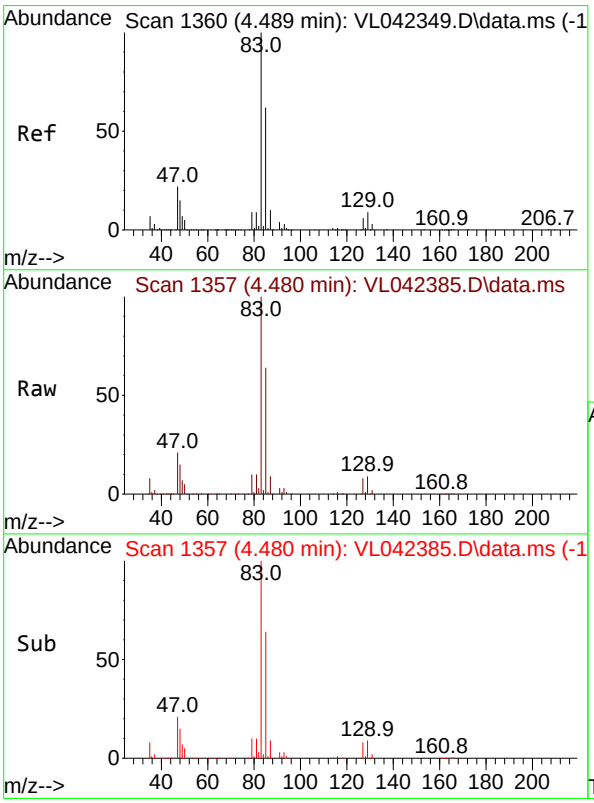
#41
Tetrahydrofuran
Concen: 6.885 ppbv
RT: 3.049 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 42 Resp: 133932

Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.3	48.5
71	39.3	31.4	47.2

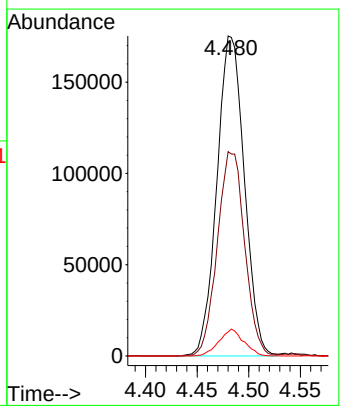


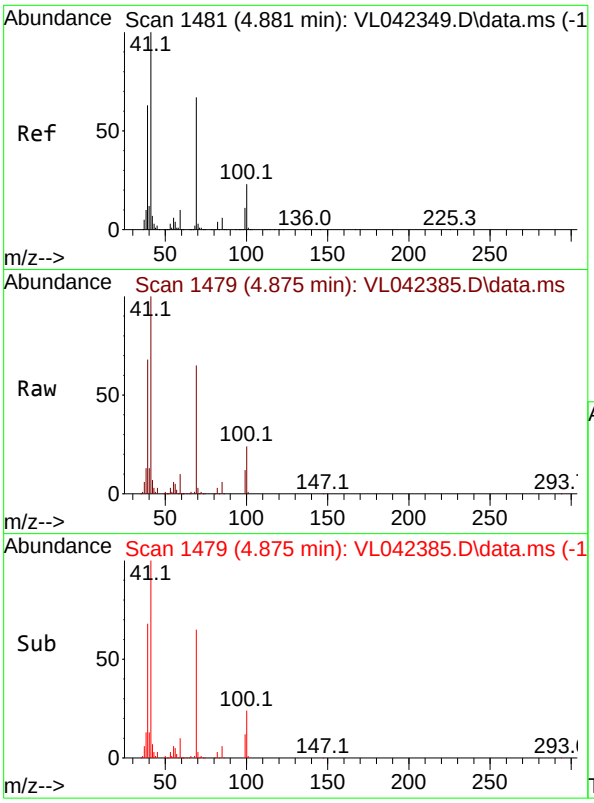


#42
Bromodichloromethane
Concen: 8.535 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.010 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 83 Resp: 324378

Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.7	74.5
127	7.5	5.1	7.7



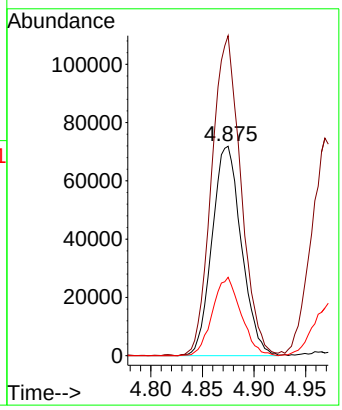


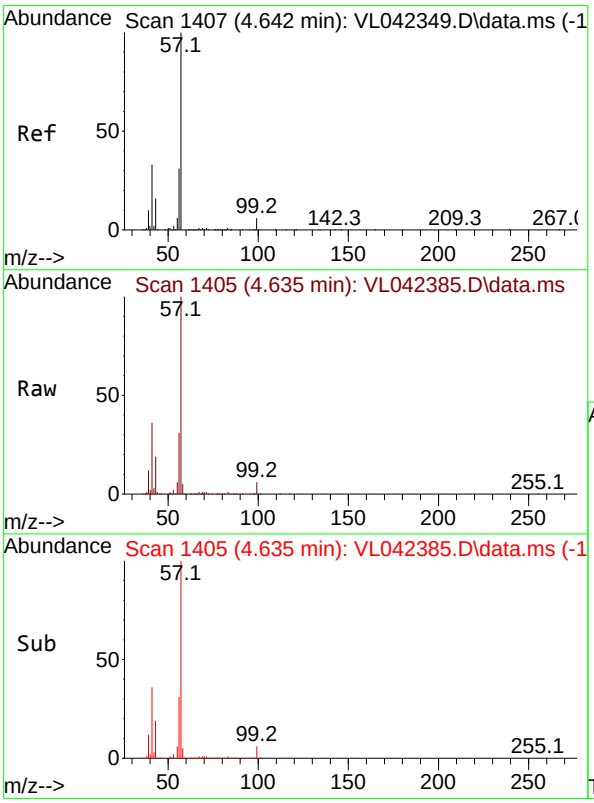
#43
Methyl Methacrylate
Concen: 6.925 ppbv
RT: 4.875 min Scan# 14
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 69 Resp: 142005

Ion	Ratio	Lower	Upper
69	100		
41	152.1	118.6	177.8
100	36.5	28.2	42.2

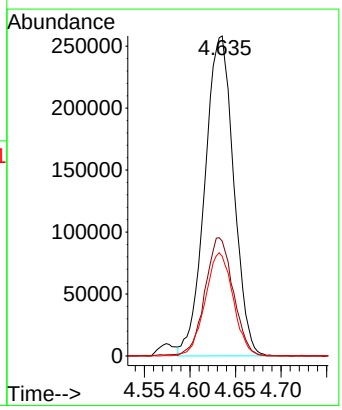


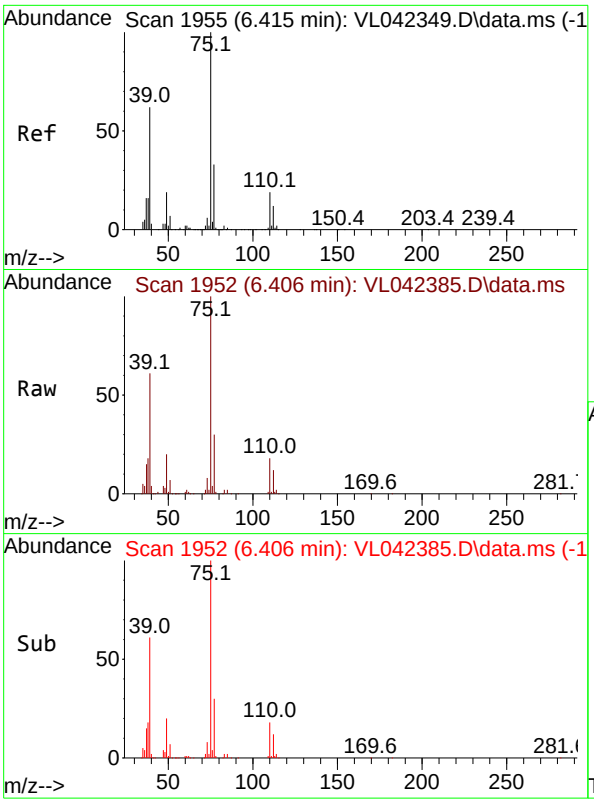


#44
2,2,4-Trimethylpentane
Concen: 7.223 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 57 Resp: 567587

Ion	Ratio	Lower	Upper
57	100		
41	36.5	27.2	40.8
56	31.4	25.7	38.5



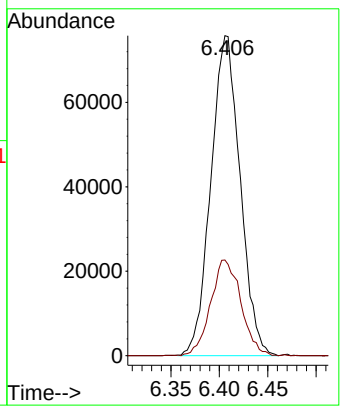


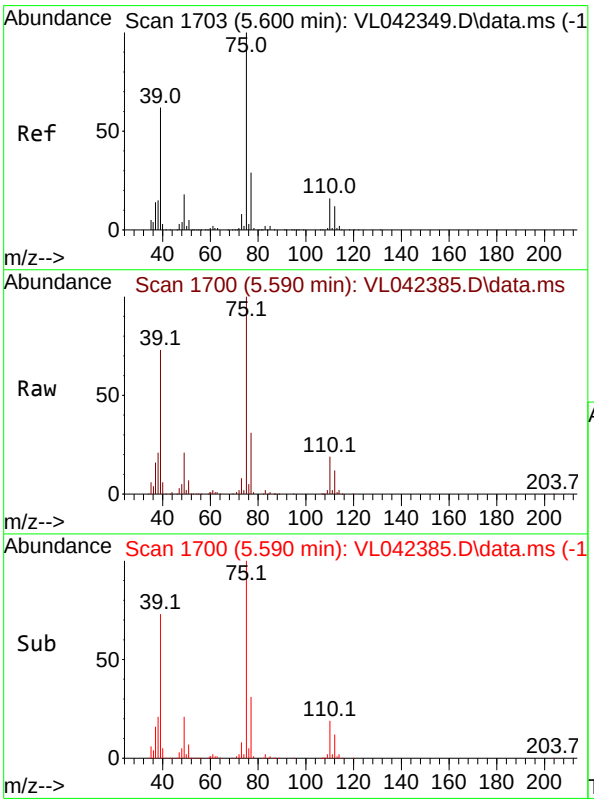
#45
t-1,3-Dichloropropene
Concen: 7.601 ppbv
RT: 6.406 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 75 Resp: 159210

Ion	Ratio	Lower	Upper
75	100		
77	29.9	27.0	40.6

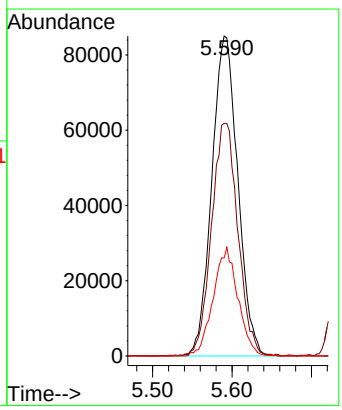


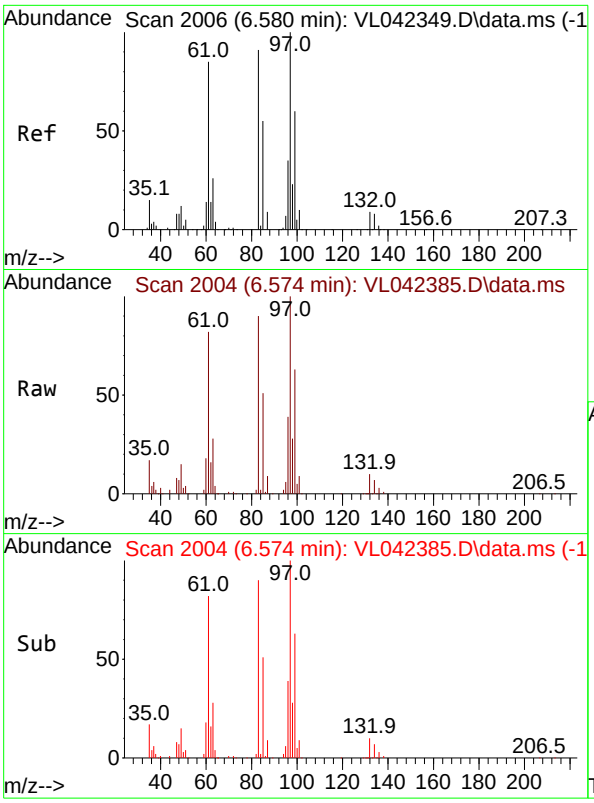


#46
cis-1,3-Dichloropropene
Concen: 7.523 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. -0.010 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 75 Resp: 192875

Ion	Ratio	Lower	Upper
75	100		
39	72.6	50.0	75.0
77	30.6	23.0	34.6



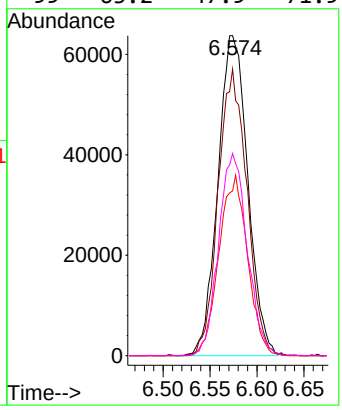


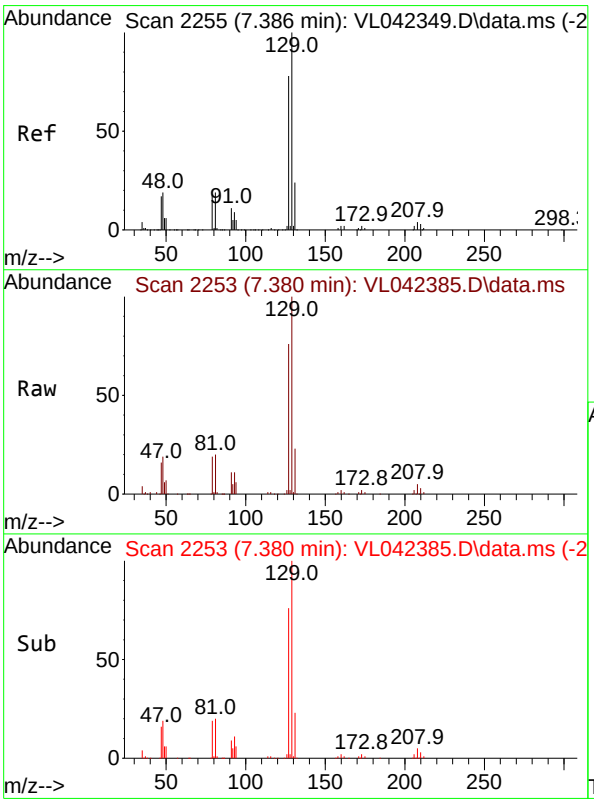
#47
1,1,2-Trichloroethane
Concen: 8.163 ppbv
RT: 6.574 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 97 Resp: 141009

Ion	Ratio	Lower	Upper
97	100		
83	89.5	72.8	109.2
85	51.5	44.2	66.4
99	63.2	47.9	71.9

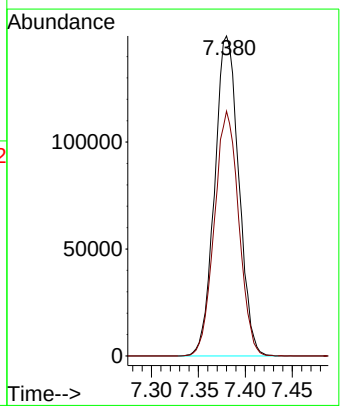


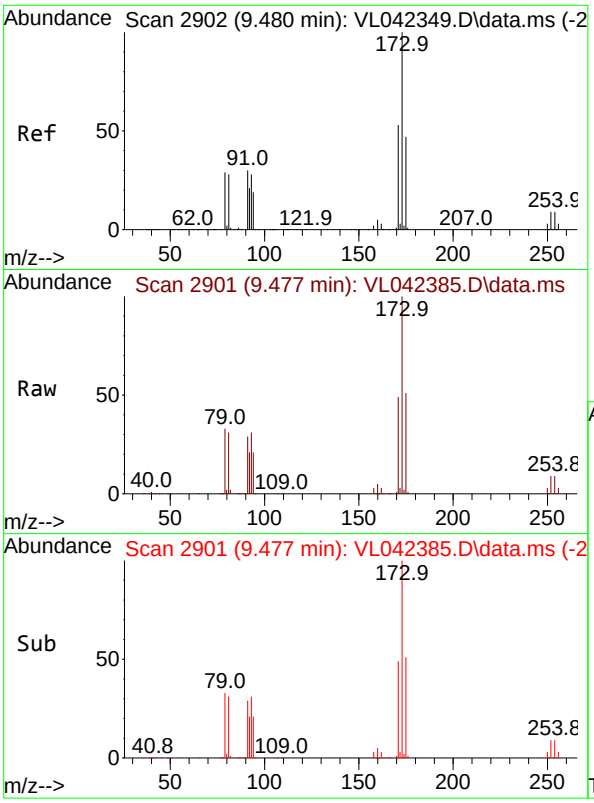


#48
Dibromochloromethane
Concen: 8.756 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:129 Resp: 267219

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.3



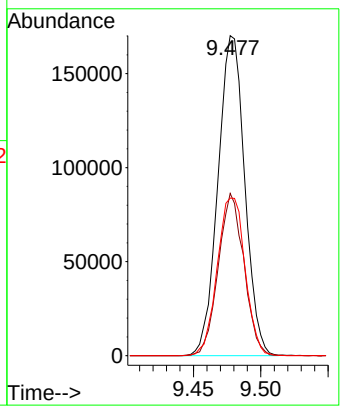


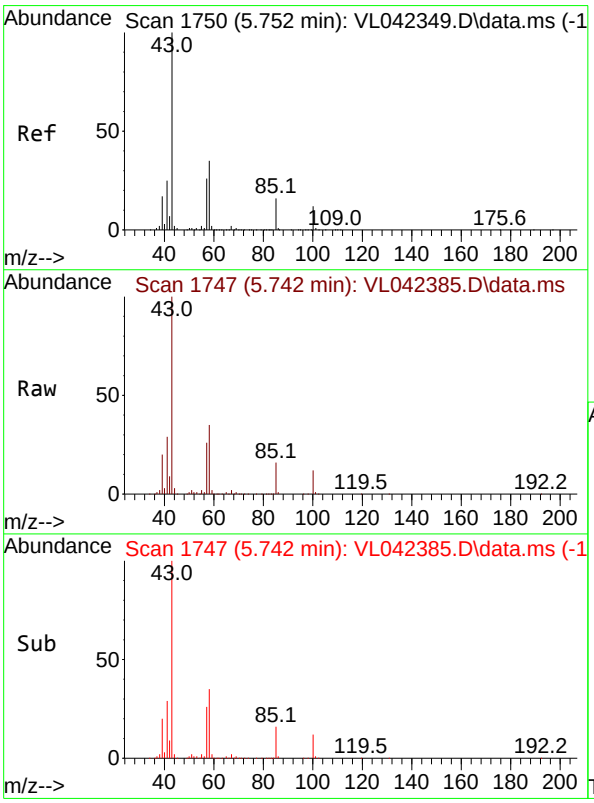
#49
Bromoform
Concen: 8.823 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:173 Resp: 235451

Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.2	57.2
171	51.3	40.9	61.3

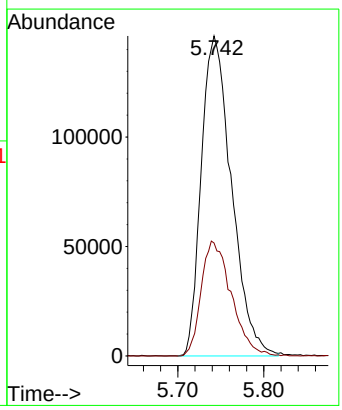


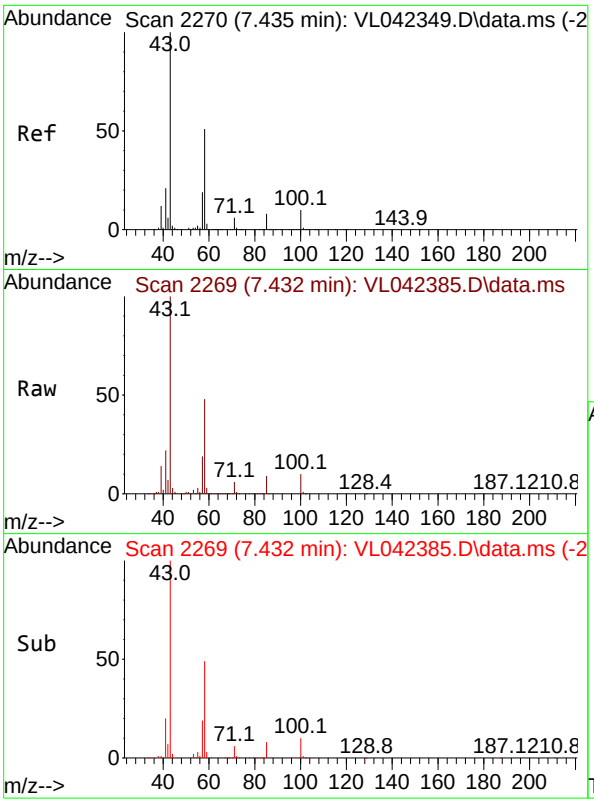


#50
4-Methyl-2-Pentanone
Concen: 6.440 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.010 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 43 Resp: 357049

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	43.0



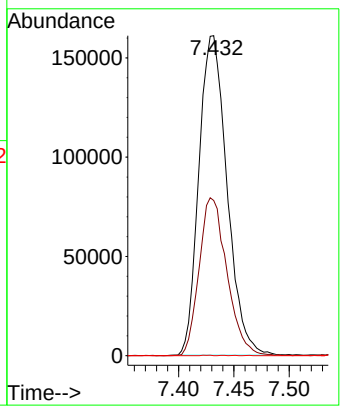


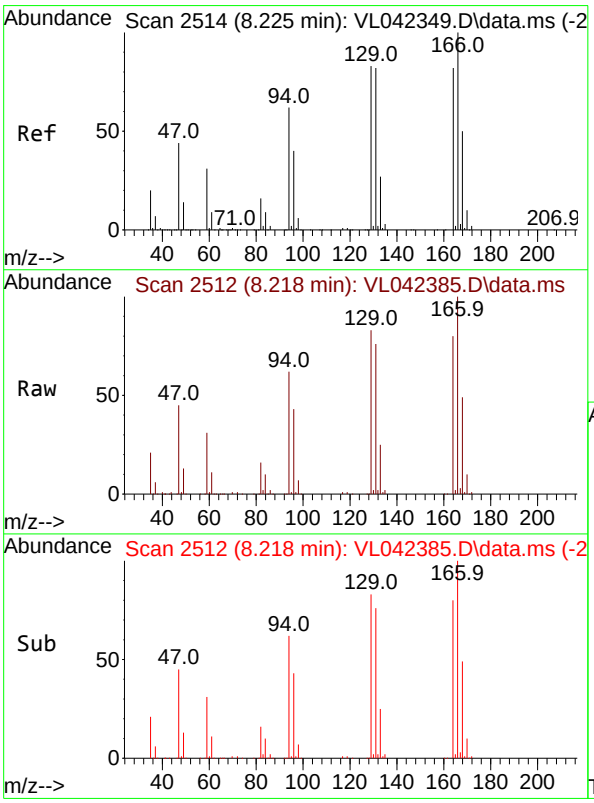
#51
2-Hexanone
Concen: 5.729 ppbv
RT: 7.432 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 43 Resp: 284839

Ion	Ratio	Lower	Upper
43	100		
58	48.9	40.2	60.4
98	0.1	0.1	0.1

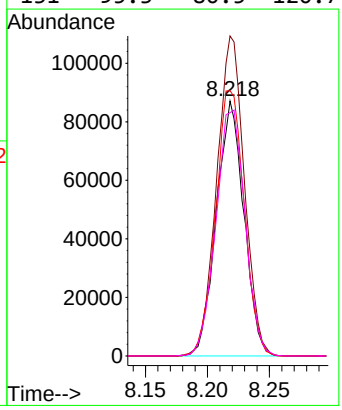


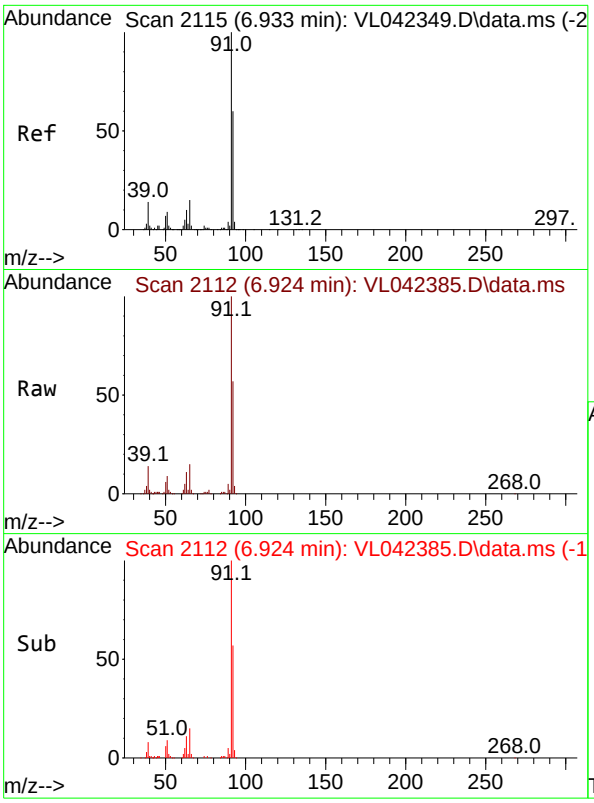


#52
Tetrachloroethene
Concen: 7.663 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:164 Resp: 134768

Ion	Ratio	Lower	Upper
164	100		
166	125.6	98.2	147.2
129	104.1	81.8	122.8
131	95.3	80.5	120.7



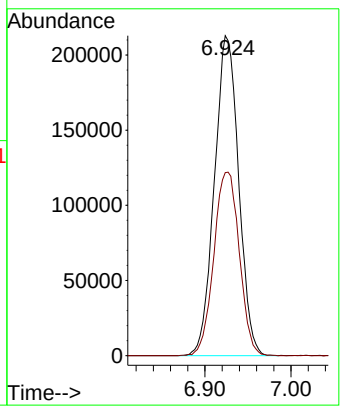


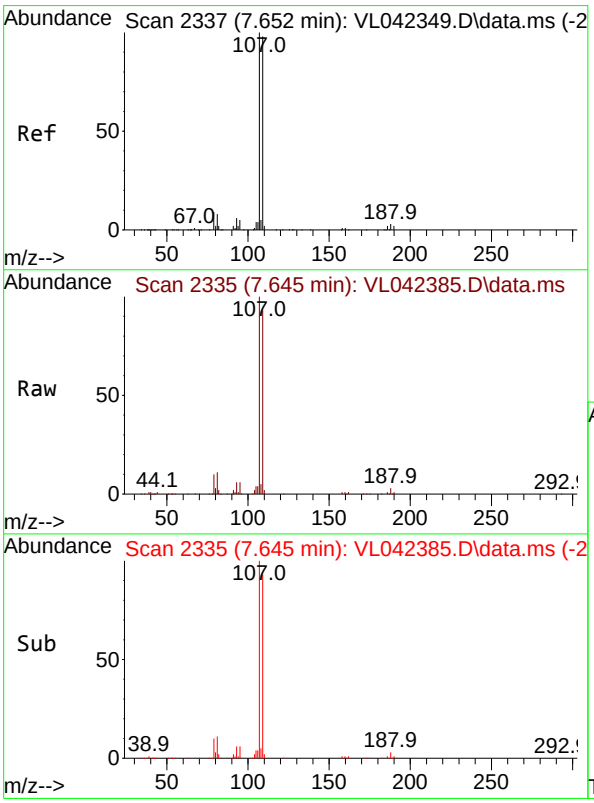
#53
Toluene
Concen: 7.627 ppbv
RT: 6.924 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 91 Resp: 416429

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.4

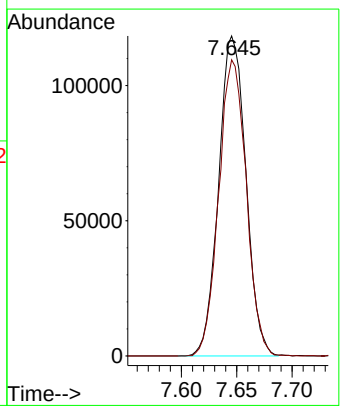


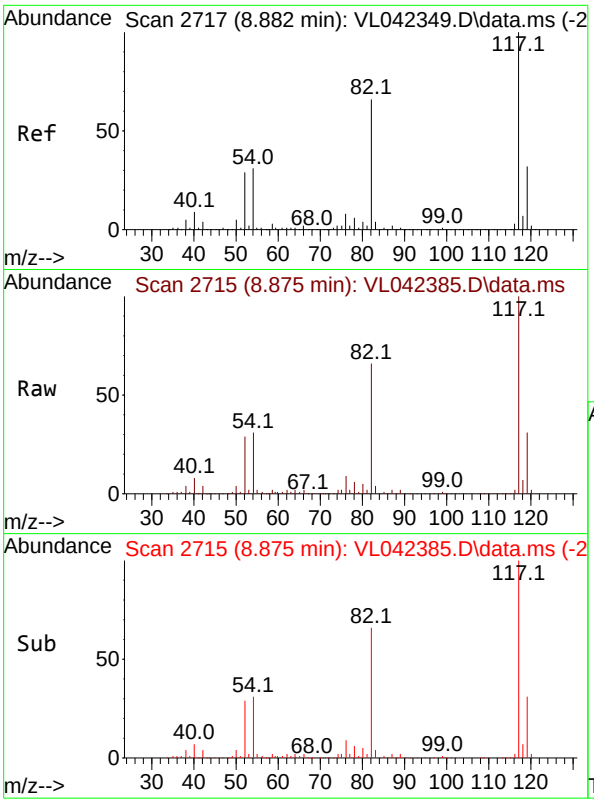


#54
1,2-Dibromoethane
Concen: 8.204 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:107 Resp: 202809

Ion	Ratio	Lower	Upper
107	100		
109	92.5	78.2	117.4



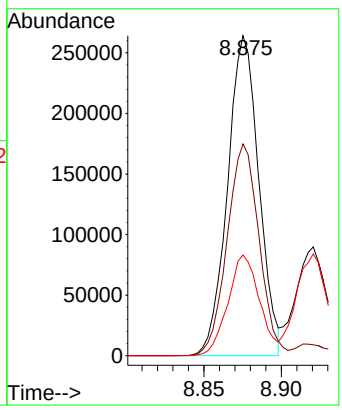


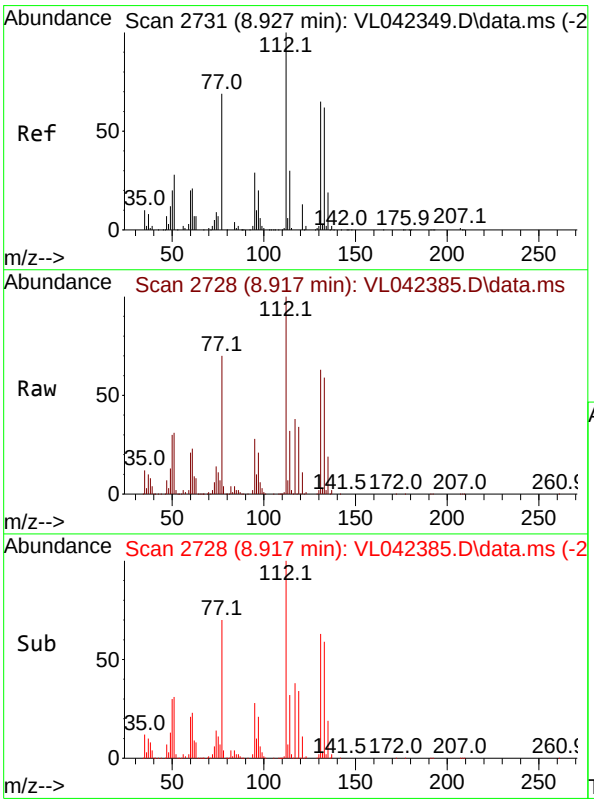
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:117 Resp: 371546

Ion	Ratio	Lower	Upper
117	100		
82	71.0	57.8	86.6
119	32.7	25.2	37.8

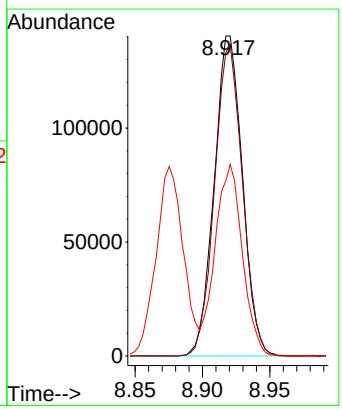


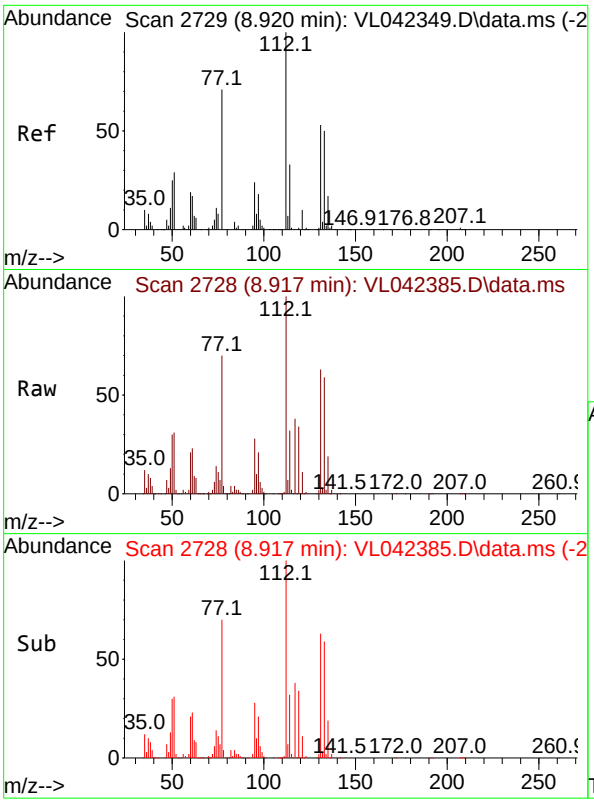


#56
1,1,1,2-Tetrachloroethane
Concen: 9.093 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.010 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:131 Resp: 204475

Ion	Ratio	Lower	Upper
131	100		
133	96.1	78.3	117.5
119	57.8	48.7	73.1



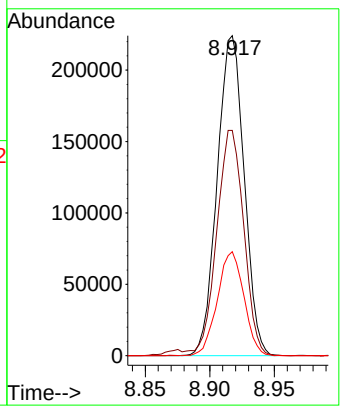


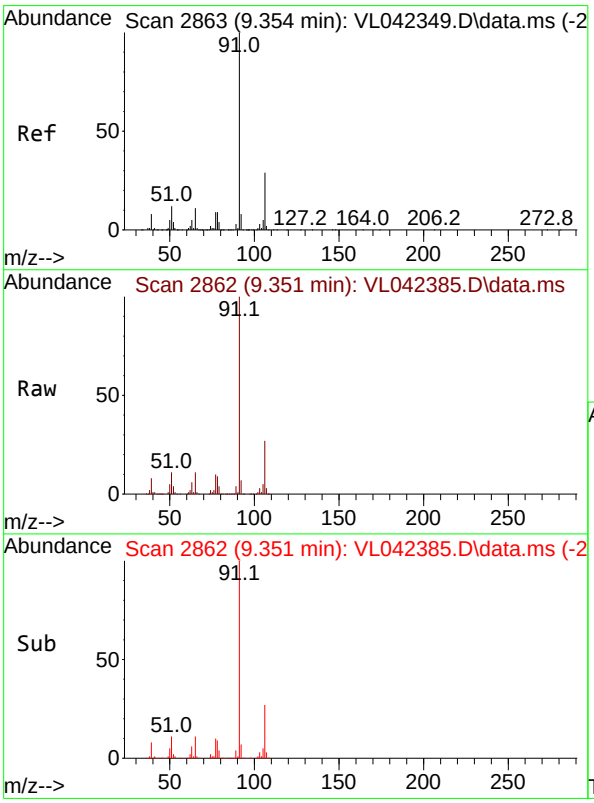
#57
Chlorobenzene
Concen: 8.438 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:112 Resp: 326071

Ion	Ratio	Lower	Upper
112	100		
77	70.2	57.8	86.6
114	32.5	29.3	35.9

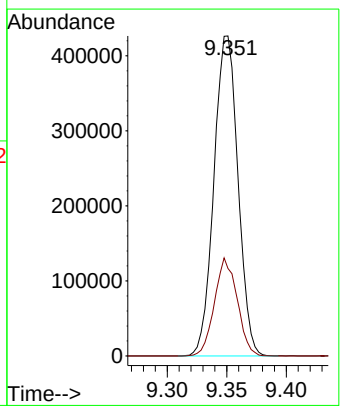


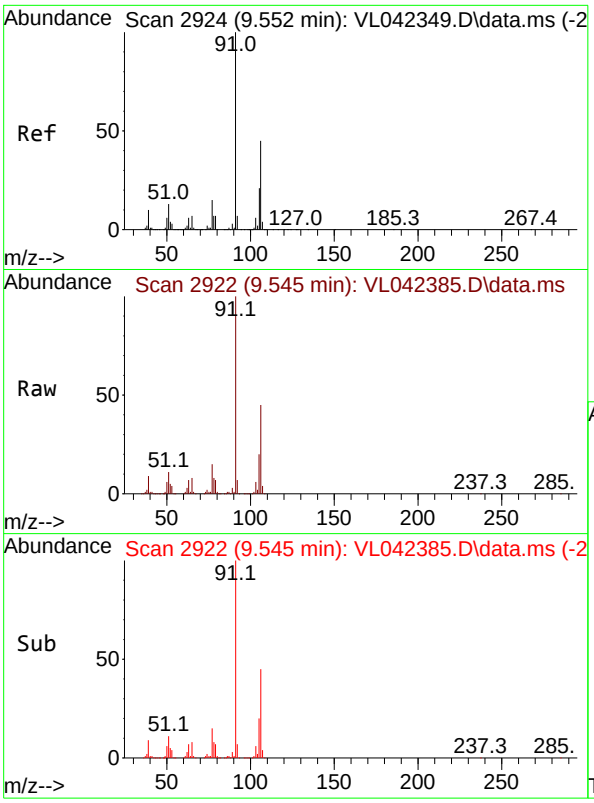


#58
Ethyl Benzene
Concen: 8.117 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 91 Resp: 597552

Ion	Ratio	Lower	Upper
91	100		
106	27.3	23.0	34.4



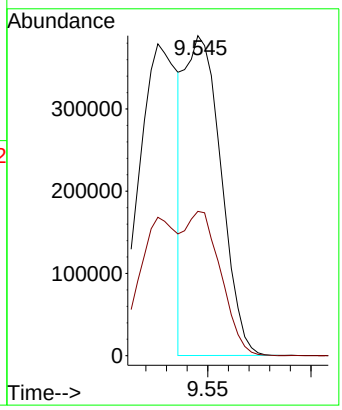


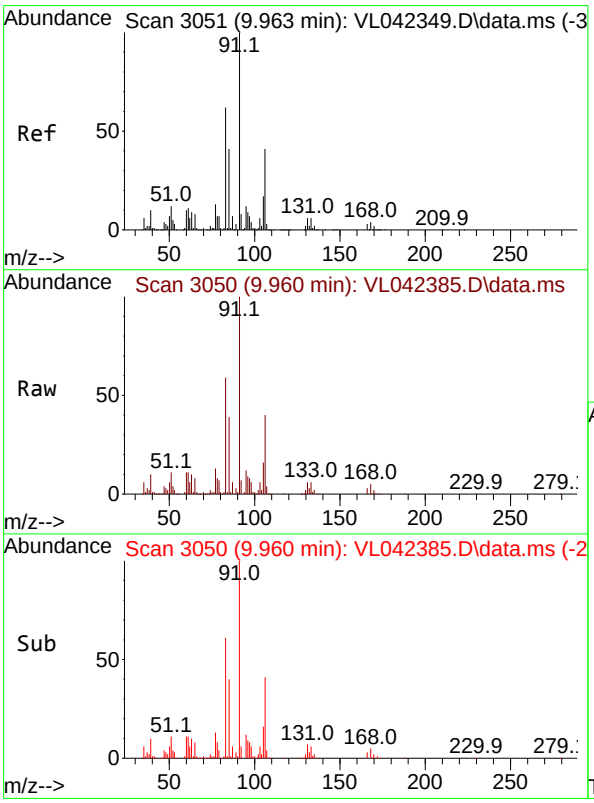
#59
m/p-Xylene
Concen: 8.060 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 91 Resp: 477953

Ion	Ratio	Lower	Upper
91	100		
106	90.1	35.4	53.2#

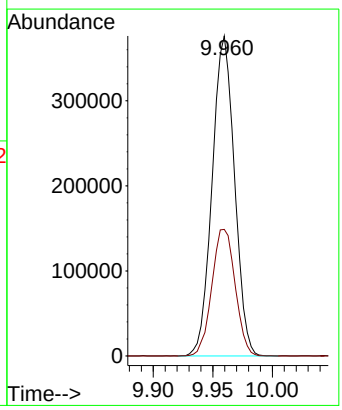


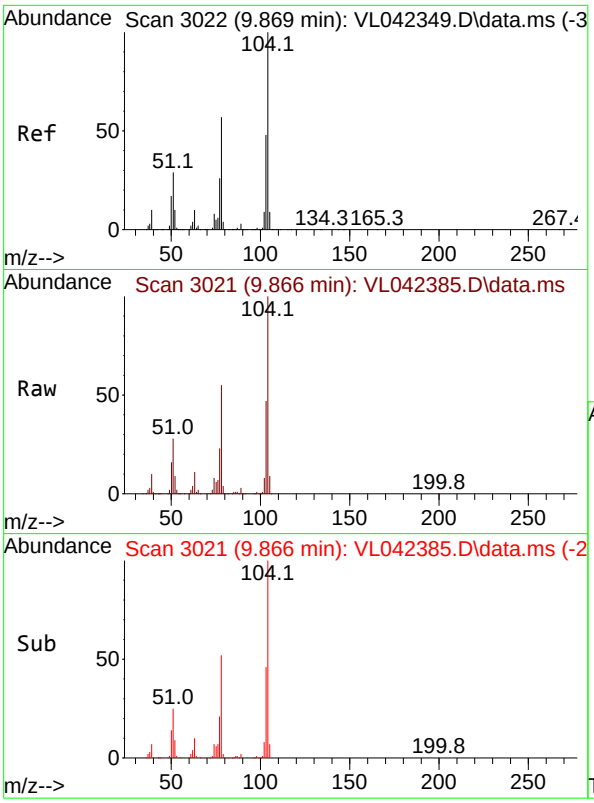


#60
o-Xylene
Concen: 8.203 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 91 Resp: 489890

Ion	Ratio	Lower	Upper
91	100		
106	41.3	21.1	63.4



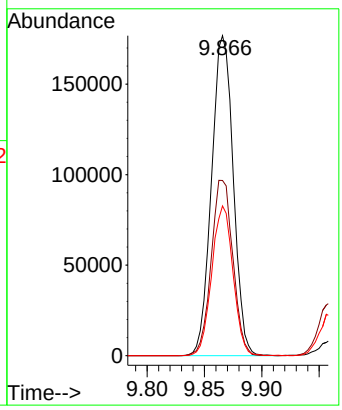


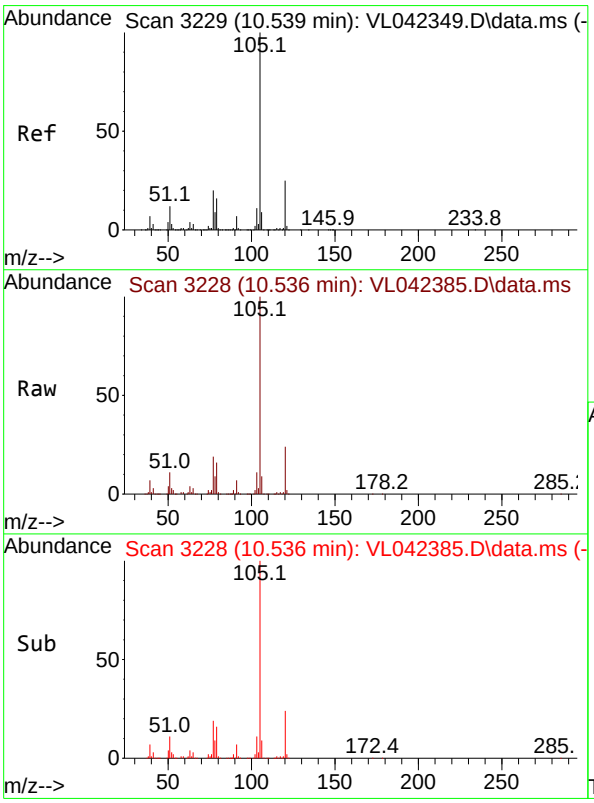
#61
Styrene
Concen: 8.173 ppbv
RT: 9.866 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:104 Resp: 232960

Ion	Ratio	Lower	Upper
104	100		
78	54.7	44.6	66.8
103	45.8	37.4	56.0

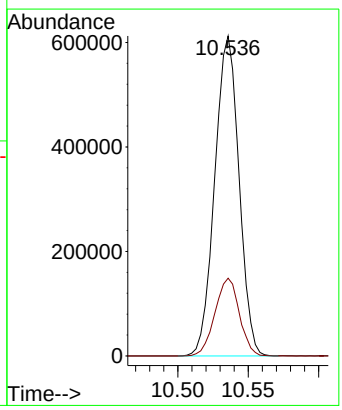


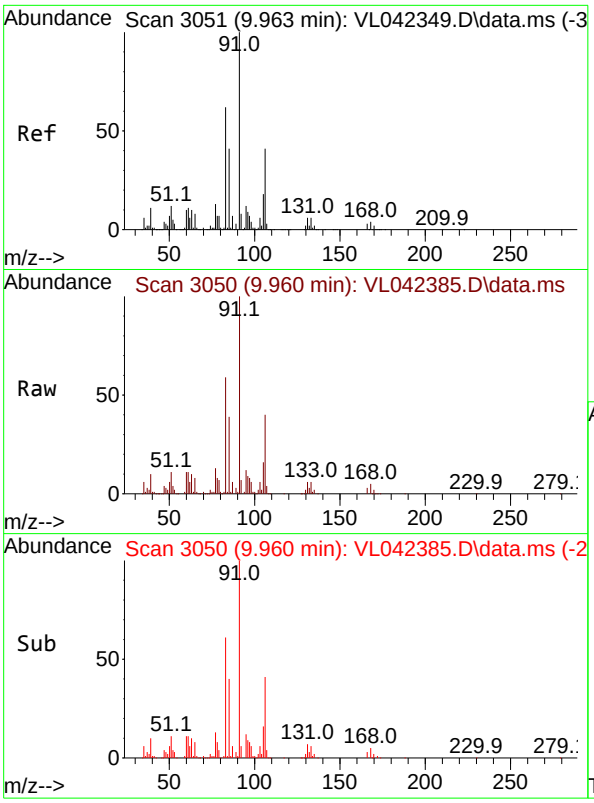


#62
Isopropylbenzene
Concen: 8.376 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:105 Resp: 734342

Ion	Ratio	Lower	Upper
105	100		
120	24.4	19.8	29.8



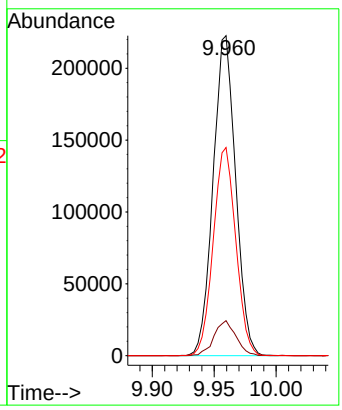


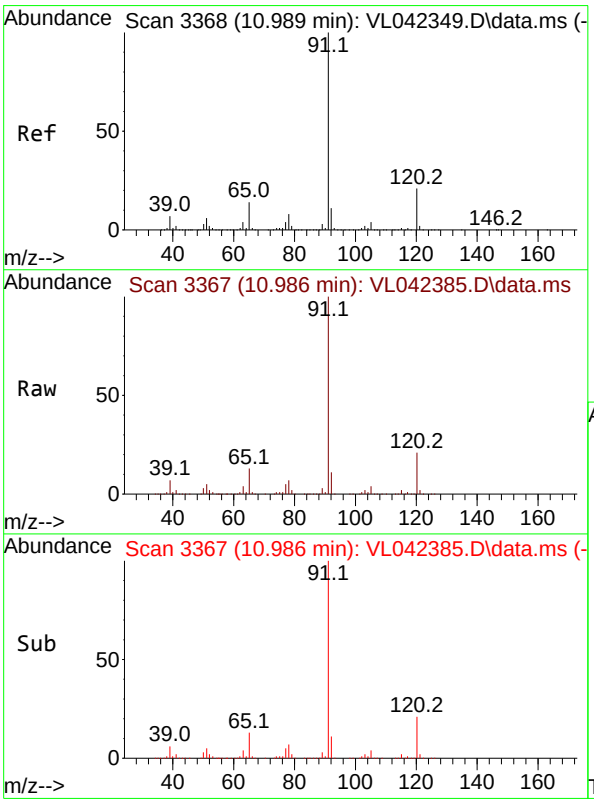
#63
1,1,2,2-Tetrachloroethane
Concen: 7.298 ppbv
RT: 9.960 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 83 Resp: 282429

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.5	13.7
85	65.1	32.4	97.0

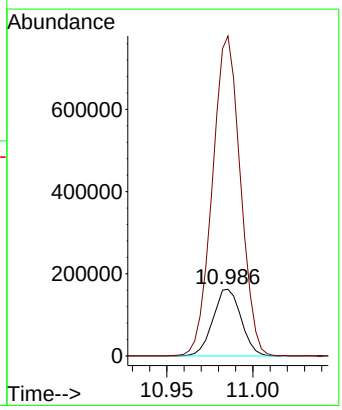


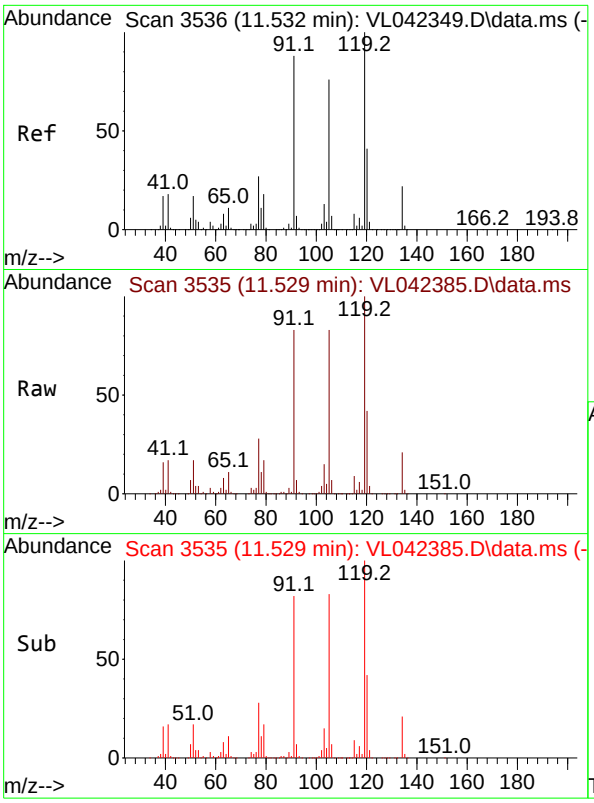


#64
n-propylbenzene
Concen: 8.383 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:120 Resp: 184746

Ion	Ratio	Lower	Upper
120	100		
91	478.4	392.4	588.6



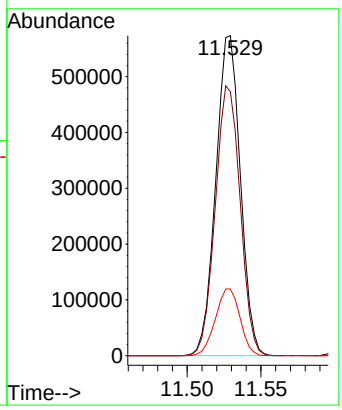


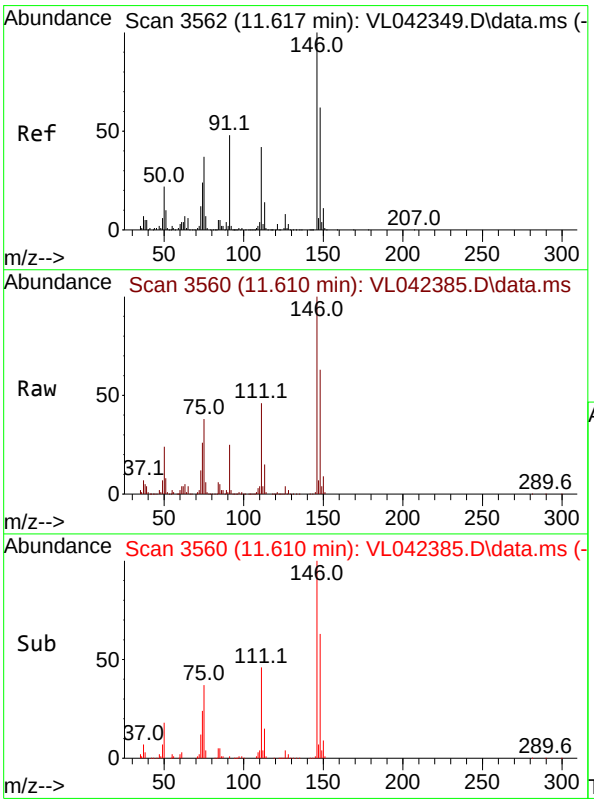
#65
tert-Butylbenzene
Concen: 8.256 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:119 Resp: 665320

Ion	Ratio	Lower	Upper
119	100		
91	85.3	74.6	111.8
134	20.9	18.8	28.2

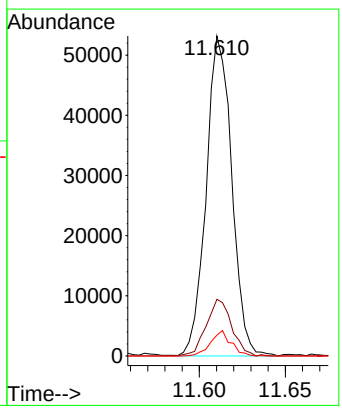


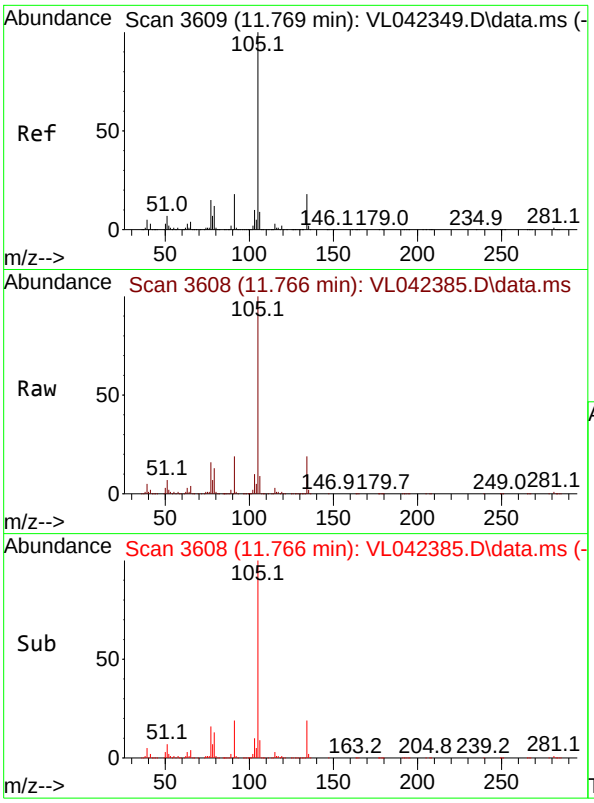


#66
Benzyl Chloride
Concen: 6.223 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 91 Resp: 55103

Ion	Ratio	Lower	Upper
91	100		
126	17.5	11.8	17.6
128	6.3	4.5	6.7



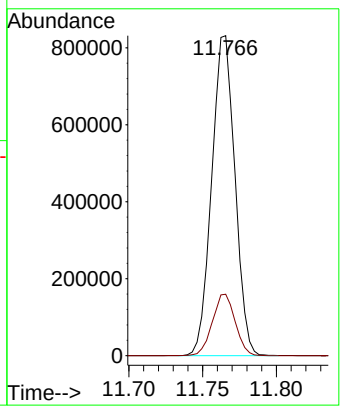


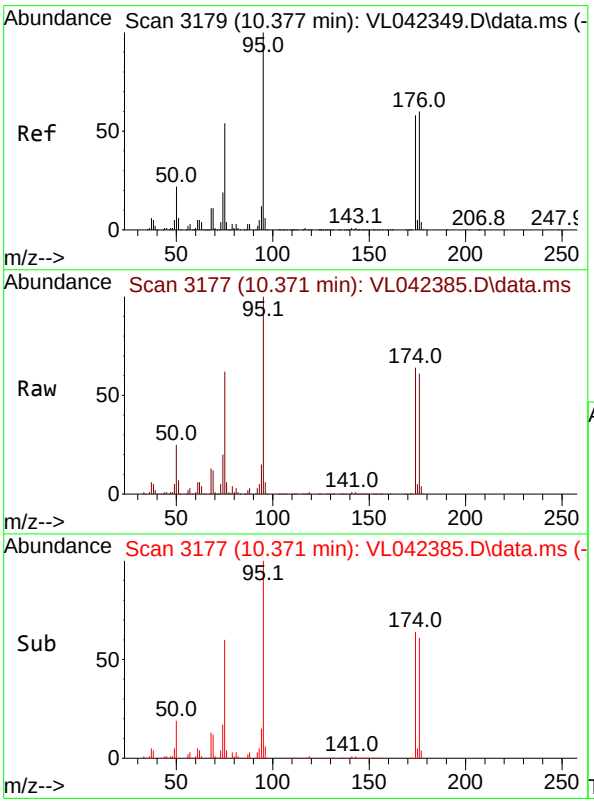
#67
sec-Butylbenzene
Concen: 8.129 ppbv
RT: 11.766 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:105 Resp: 911164

Ion	Ratio	Lower	Upper
105	100		
134	18.9	14.6	21.8

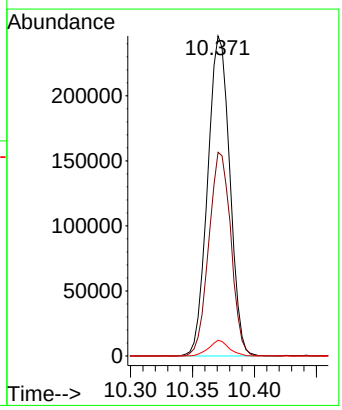


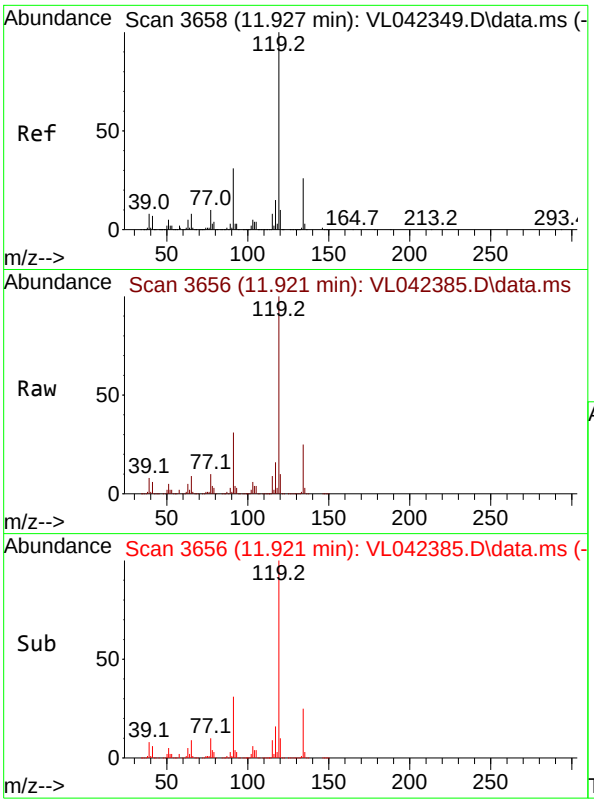


#68
1-Bromo-4-Fluorobenzene
Concen: 10.024 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 95 Resp: 306062

Ion	Ratio	Lower	Upper
95	100		
174	63.5	48.5	72.7
175	4.4	3.7	5.5



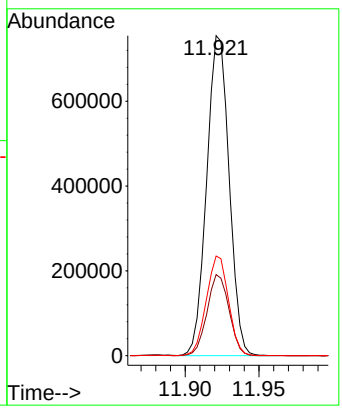


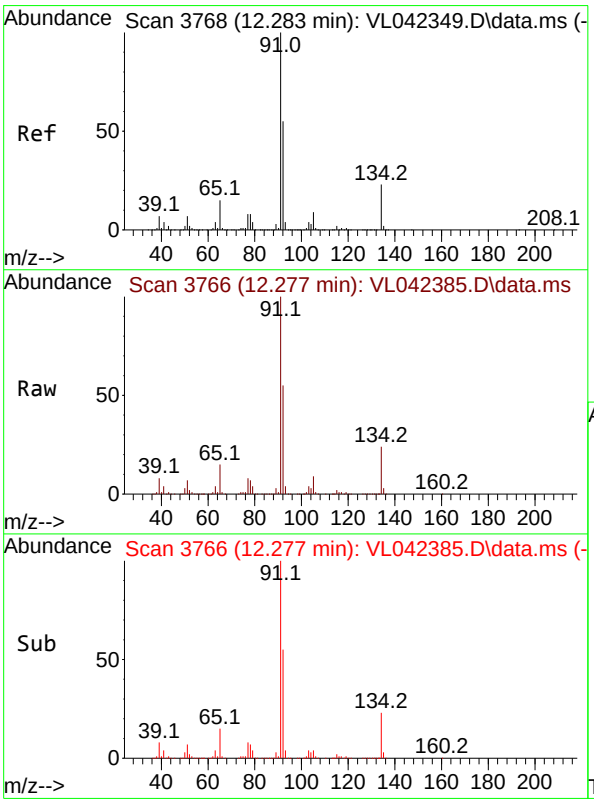
#69
p-Isopropyltoluene
Concen: 8.209 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:119 Resp: 799331

Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.0	30.0
91	30.9	24.4	36.6

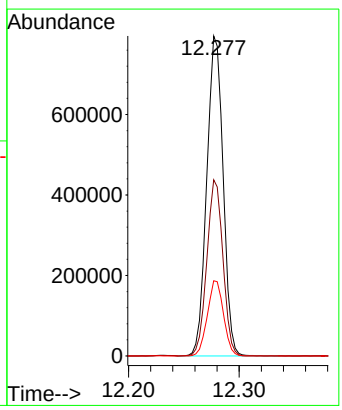


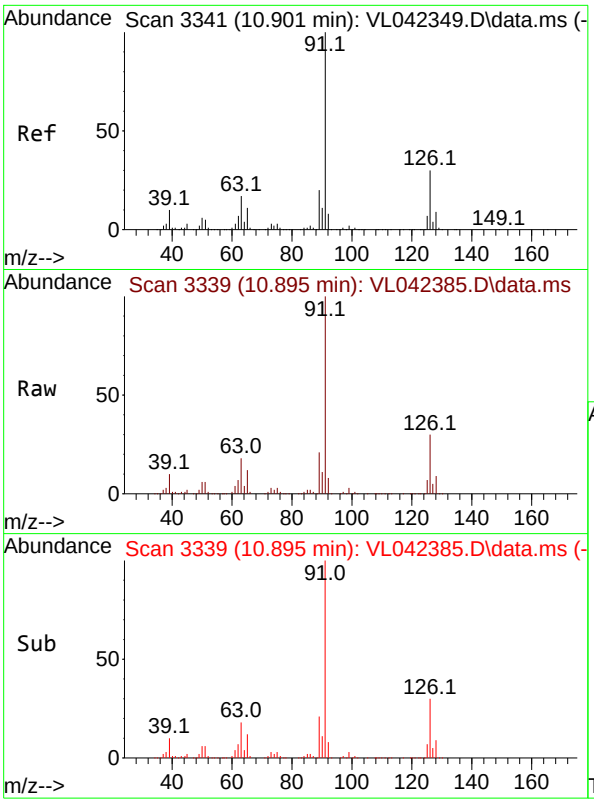


#70
n-Butylbenzene
Concen: 8.061 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion: 91 Resp: 817538

Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.2	66.4
134	23.2	18.2	27.4



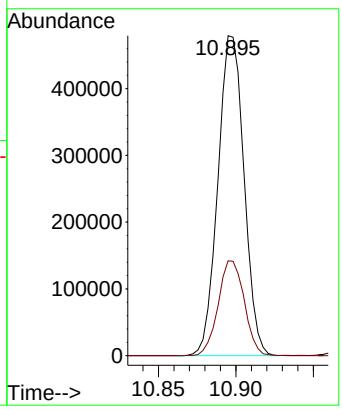


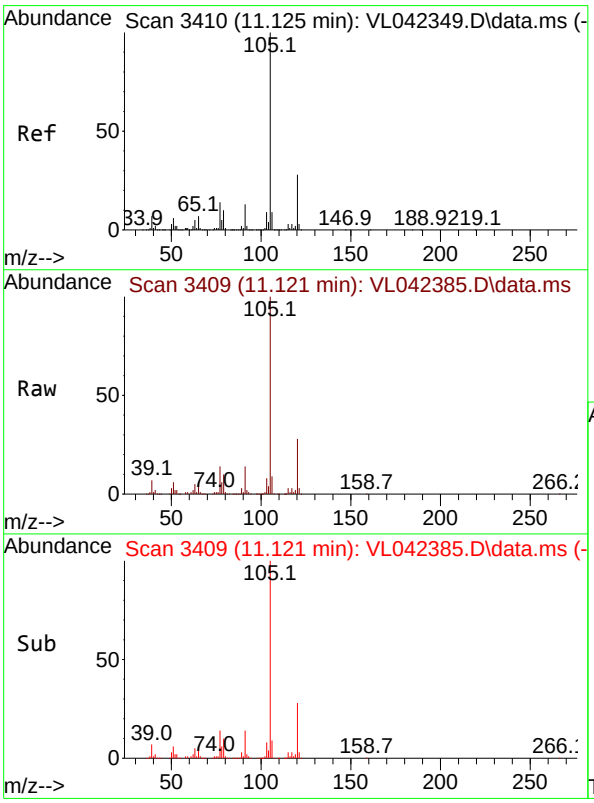
#71
2-Chlorotoluene
Concen: 8.180 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion: 91 Resp: 562487

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.4	45.4

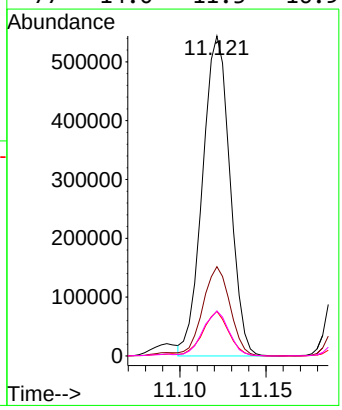


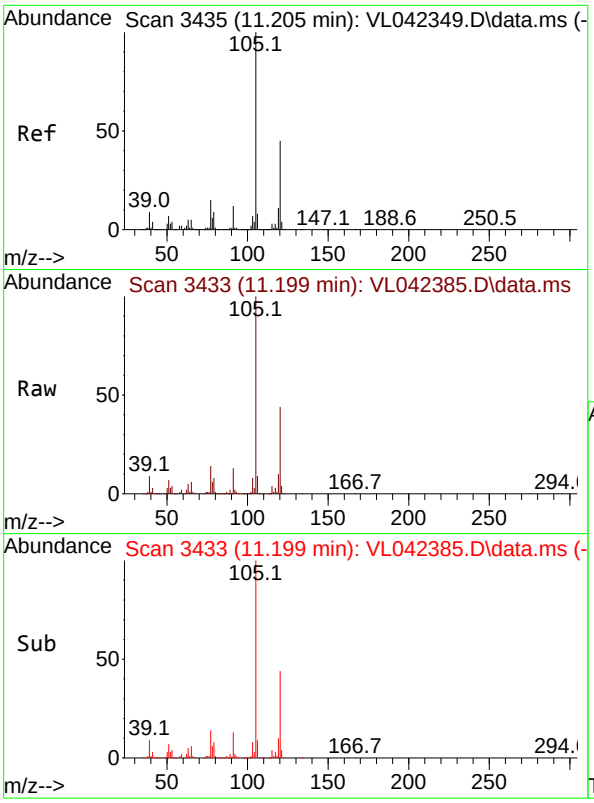


#72
4-Ethyltoluene
Concen: 8.256 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:105 Resp: 602711

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.2	34.8
91	13.8	10.4	15.6
77	14.0	11.3	16.9



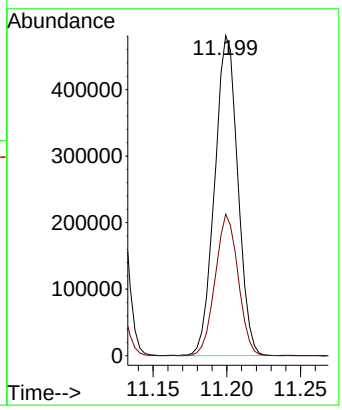


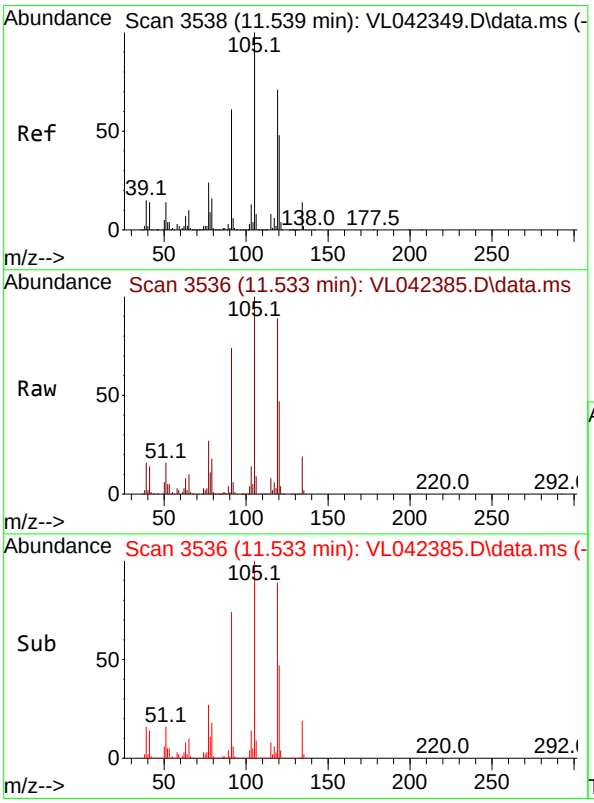
#73
1,3,5-Trimethylbenzene
Concen: 8.135 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:105 Resp: 524369

Ion	Ratio	Lower	Upper
105	100		
120	44.3	35.6	53.4

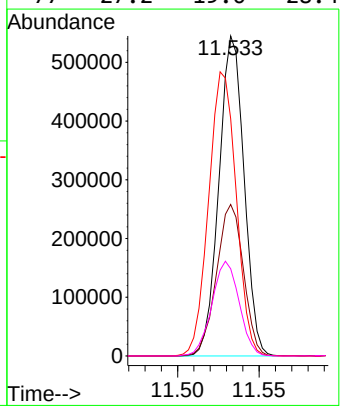


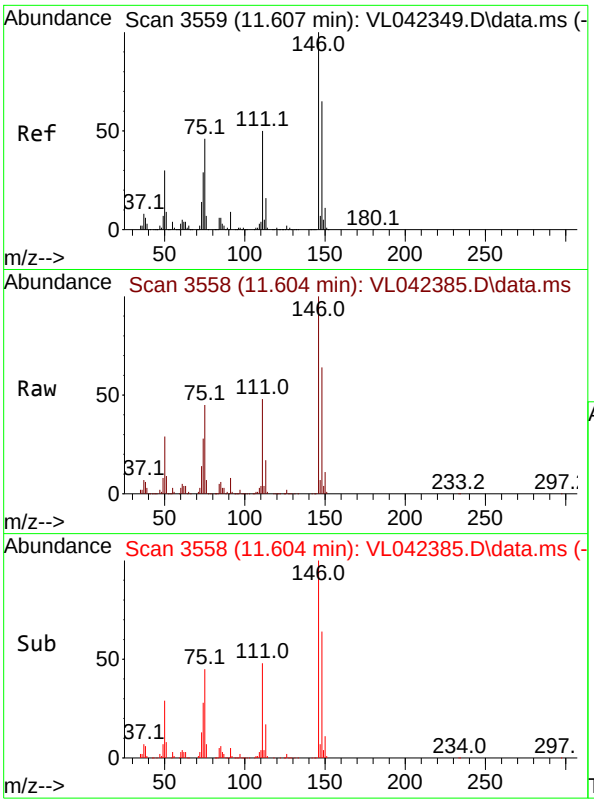


#74
1,2,4-Trimethylbenzene
Concen: 7.749 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:105 Resp: 583351

Ion	Ratio	Lower	Upper
105	100		
120	47.3	38.1	57.1
91	74.1	48.8	73.2#
77	27.2	19.0	28.4



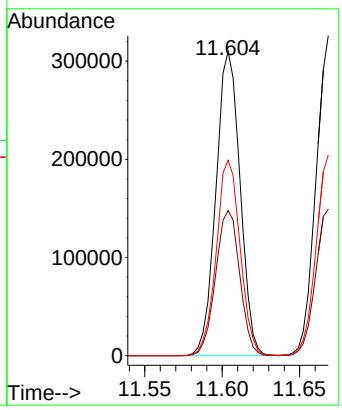


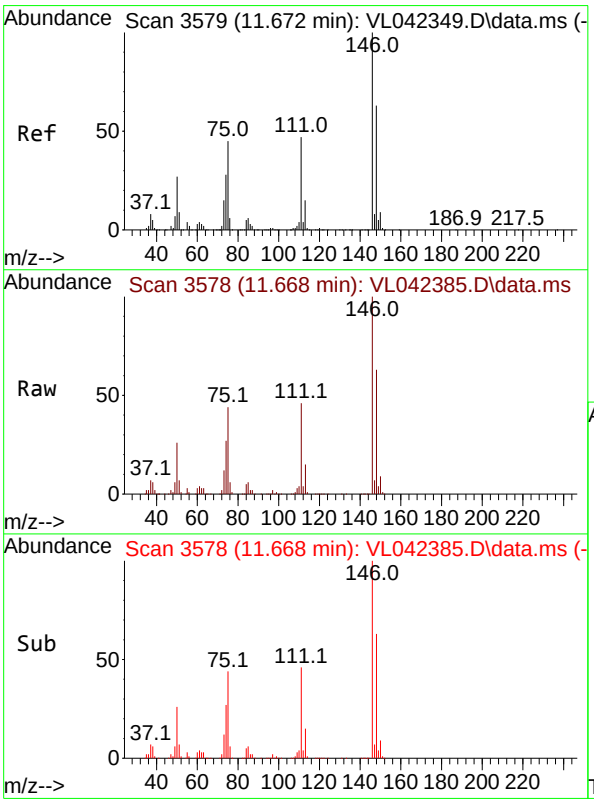
#75
1,3-Dichlorobenzene
Concen: 8.575 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:146 Resp: 335533

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.3	72.8
148	63.5	31.6	94.8

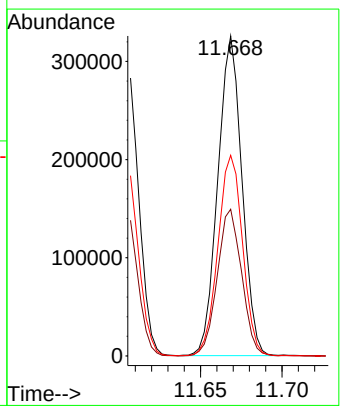


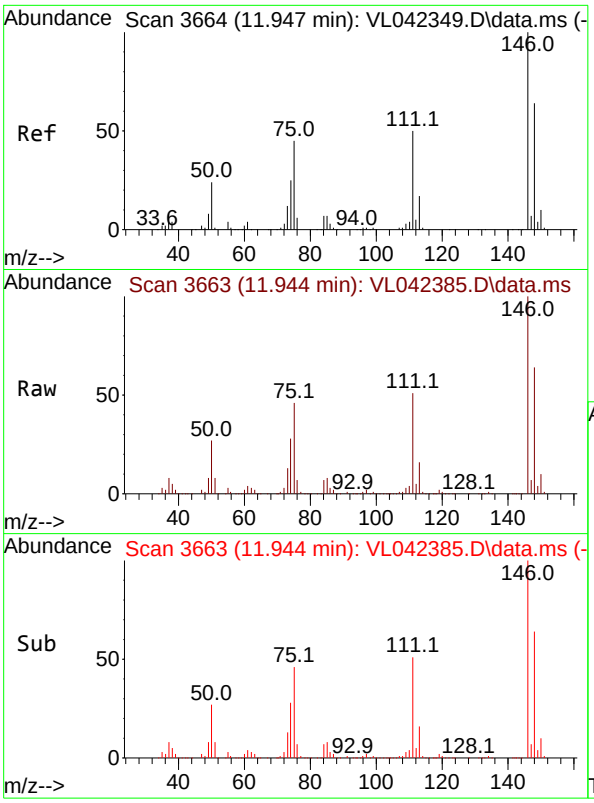


#76
1,4-Dichlorobenzene
Concen: 8.520 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:146 Resp: 335101

Ion	Ratio	Lower	Upper
146	100		
111	46.5	24.2	72.6
148	64.2	32.1	96.5



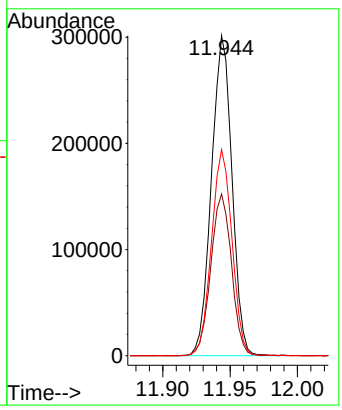


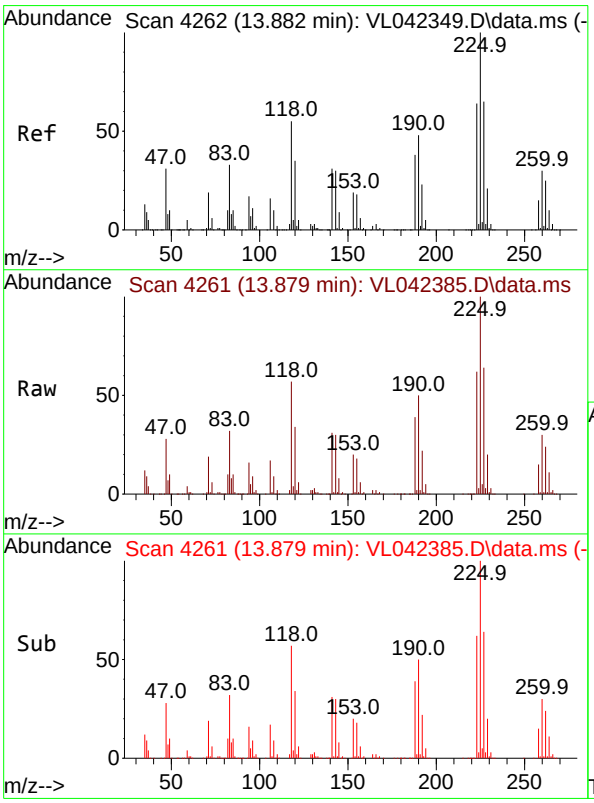
#77
1,2-Dichlorobenzene
Concen: 8.396 ppbv
RT: 11.944 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:146 Resp: 319466

Ion	Ratio	Lower	Upper
146	100		
111	51.0	25.3	75.9
148	64.3	31.5	94.5

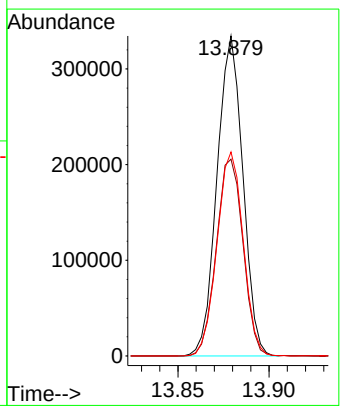


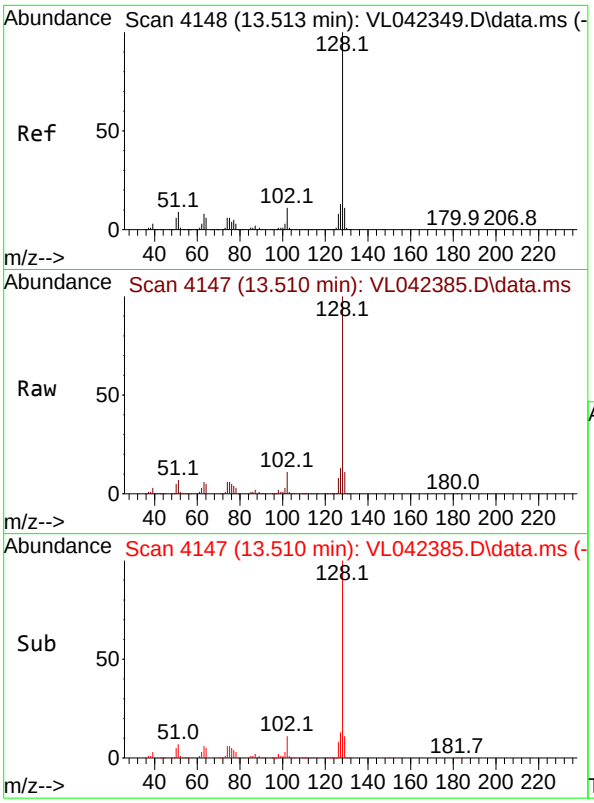


#78
Hexachloro-1,3-Butadiene
Concen: 8.584 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:225 Resp: 329813

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	64.6	51.5	77.3



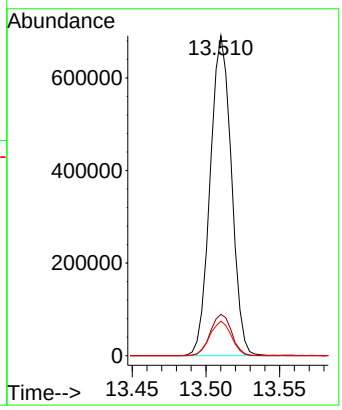


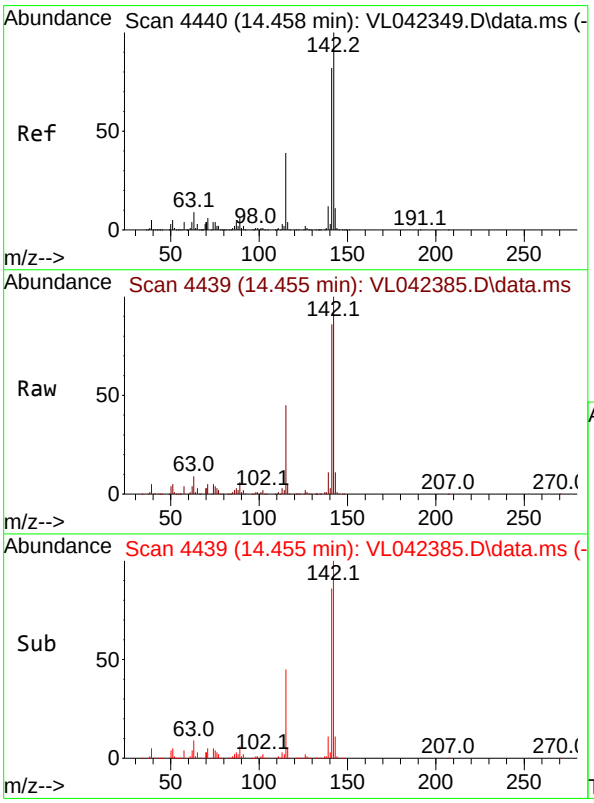
#79
Naphthalene
Concen: 7.676 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:128 Resp: 691058

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.8	8.6	12.8

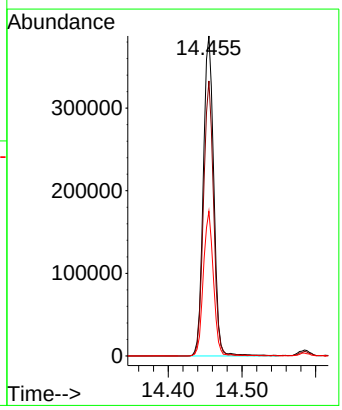


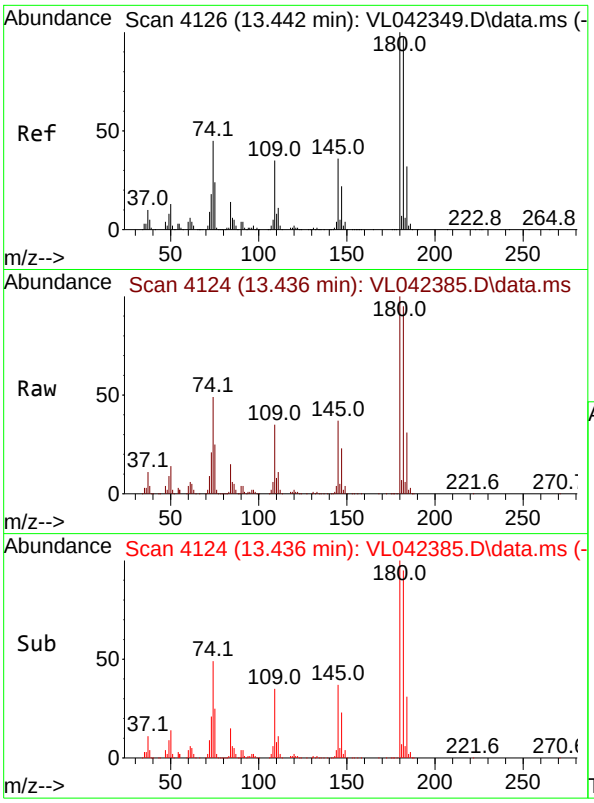


#80
Naphthalene,2-methyl-
Concen: 7.407 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Tgt Ion:142 Resp: 380016

Ion	Ratio	Lower	Upper
142	100		
141	83.9	66.8	100.2
115	43.9	33.4	50.2





#81
1,2,4-Trichlorobenzene
Concen: 8.408 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL042385.D
Acq: 18 Apr 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0418ABS01

Tgt Ion:180 Resp: 325017

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
184	30.5	24.6	36.8