Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
Data File : VL042018.D
Acq On : 14 Feb 2025 13:56
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Feb 15 01:21:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Sat Feb 15 01:17:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.778	49	94436	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.946	114	279976	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.869	117	251709	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.364	95	209868	10.108	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	8247	0.507	ppbv		97
3) Chlorodifluoromethane	1.473	51	9295	0.517	ppbv	#	89
4) Chloromethane	1.528	50	2975	0.471	ppbv	#	66
5) Vinyl Chloride	1.574	62	3516	0.465	ppbv		98
6) Bromomethane	1.664	94	1639	0.560	ppbv		94
7) Chloroethane	1.700	64	1148	0.466	ppbv	#	73
8) Dichlorotetrafluoroethane	1.551	85	7752	0.542	ppbv		92
9) Propene	1.480	41	4003	0.515	ppbv		95
10) Heptane	4.966	43	7519	0.351	ppbv	#	26
11) Trichlorofluoromethane	1.875	101	8711	0.532	ppbv		92
12) 1,1,2-Trichlorotrifluo...	2.137	101	6352	0.498	ppbv		94
13) Ethanol	1.719	45	770	0.818	ppbv		61
14) Bromoethene	1.777	108	2389	0.501	ppbv	#	89
15) Acetone	1.829	43	9879	0.634	ppbv		90
16) 1,3-Butadiene	1.603	39	4527	0.612	ppbv		96
17) tert-Butyl alcohol	2.040	59	10843	0.562	ppbv	#	72
18) 1,1-Dichloroethene	2.334	96	3536	0.570	ppbv		82
19) Isopropyl Alcohol	1.884	45	5006	0.569	ppbv	#	37
20) Methylene Chloride	2.056	84	3886	0.662	ppbv	#	93
21) Allyl Chloride	2.091	41	6308	0.562	ppbv		92
22) trans-1,2-Dichloroethene	2.334	96	3536	0.534	ppbv		95
23) Vinyl Acetate	2.454	43	4271	0.506	ppbv	#	92
24) 1,1-Dichloroethane	2.402	63	7214	0.537	ppbv	#	87
25) Ethyl Acetate	2.833	43	23026	0.538	ppbv	#	96
26) Hexane	2.816	57	8914	0.519	ppbv		93
27) Carbon Disulfide	2.143	76	7608	0.471	ppbv	#	1
28) Methyl tert-Butyl Ether	2.435	73	5376	0.512	ppbv	#	43
29) Chloroform	2.839	83	13077	0.526	ppbv		89
30) Cyclohexane	3.842	84	7847	0.522	ppbv		98
31) cis-1,2-Dichloroethene	2.334	61	5934	0.350	ppbv		91
32) 1,1,1-Trichloroethane	3.357	97	12836	0.465	ppbv		97
34) 2-Butanone	2.554	43	12852	0.534	ppbv		97
35) Carbon Tetrachloride	3.749	117	12442	0.467	ppbv		89
36) Benzene	3.645	78	17625	0.520	ppbv		97
37) 1,2-Dichloroethane	3.208	62	10309	0.534	ppbv		97
38) Trichloroethene	4.532	130	6897	0.495	ppbv		92
39) 1,2-Dichloropropane	4.302	63	5260	0.418	ppbv	#	71
40) 1,4-Dioxane	4.587	88	2528	0.393	ppbv	#	45
41) Tetrahydrofuran	3.059	42	7633	0.543	ppbv		95
42) Bromodichloromethane	4.470	83	13050	0.499	ppbv	#	96
43) Methyl Methacrylate	4.865	69	4073	0.267	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.629	57	30320	0.527	ppbv		95
46) cis-1,3-Dichloropropene	5.584	75	9394	0.507	ppbv	#	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
Data File : VL042018.D
Acq On : 14 Feb 2025 13:56
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Feb 15 01:21:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Sat Feb 15 01:17:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 1,1,2-Trichloroethane	6.561	97	3850	0.294	ppbv	#	85
48) Dibromochloromethane	7.370	129	10984	0.505	ppbv		97
49) Bromoform	9.471	173	9300	0.517	ppbv		96
51) 2-Hexanone	7.435	43	15525	0.506	ppbv	#	96
52) Tetrachloroethene	8.205	164	4446	0.376	ppbv	#	74
53) Toluene	6.914	91	20150	0.502	ppbv		95
54) 1,2-Dibromoethane	7.633	107	3760	0.206	ppbv		92
56) 1,1,1,2-Tetrachloroethane	8.914	131	5963	0.332	ppbv	#	52
57) Chlorobenzene	8.911	112	16052	0.542	ppbv	#	84
58) Ethyl Benzene	9.341	91	28422	0.516	ppbv	#	89
59) m/p-Xylene	9.542	91	18847	0.434	ppbv	#	1
60) o-Xylene	9.953	91	23290	0.531	ppbv		100
61) Styrene	9.859	104	10850	0.518	ppbv		95
62) Isopropylbenzene	10.533	105	34447	0.523	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.950	83	14087	0.498	ppbv	#	92
64) n-propylbenzene	10.979	120	8738	0.540	ppbv		91
65) tert-Butylbenzene	11.523	119	30694	0.534	ppbv		99
66) Benzyl Chloride	11.604	91	2816	0.486	ppbv	#	94
67) sec-Butylbenzene	11.759	105	43185	0.535	ppbv		96
69) p-Isopropyltoluene	11.918	119	35836	0.543	ppbv		98
70) n-Butylbenzene	12.274	91	33989	0.522	ppbv		97
71) 2-Chlorotoluene	10.895	91	27104	0.546	ppbv		100
72) 4-Ethyltoluene	11.115	105	26931	0.523	ppbv		99
73) 1,3,5-Trimethylbenzene	11.196	105	23624	0.533	ppbv		89
74) 1,2,4-Trimethylbenzene	11.526	105	25288	0.531	ppbv	#	91
75) 1,3-Dichlorobenzene	11.601	146	13359	0.521	ppbv		95
76) 1,4-Dichlorobenzene	11.665	146	12997	0.520	ppbv		95
77) 1,2-Dichlorobenzene	11.934	146	13212	0.539	ppbv		97
78) Hexachloro-1,3-Butadiene	13.873	225	12224	0.603	ppbv		94
79) Naphthalene	13.507	128	25479	0.544	ppbv	#	93
80) Naphthalene,2-methyl-	14.449	142	11628	0.546	ppbv		95
81) 1,2,4-Trichlorobenzene	13.433	180	9689	0.509	ppbv		98

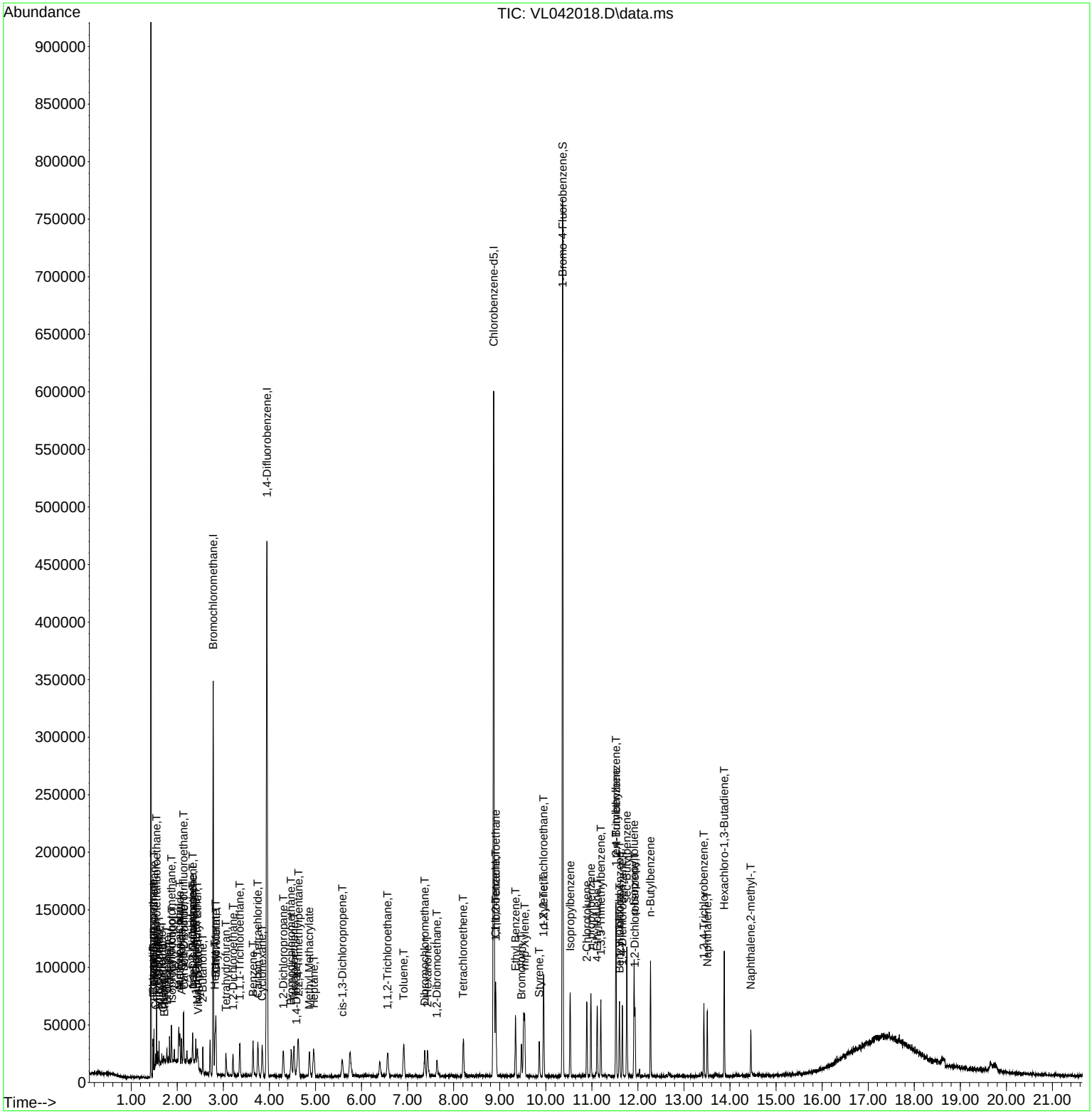
(#) = qualifier out of range (m) = manual integration (+) = signals summed

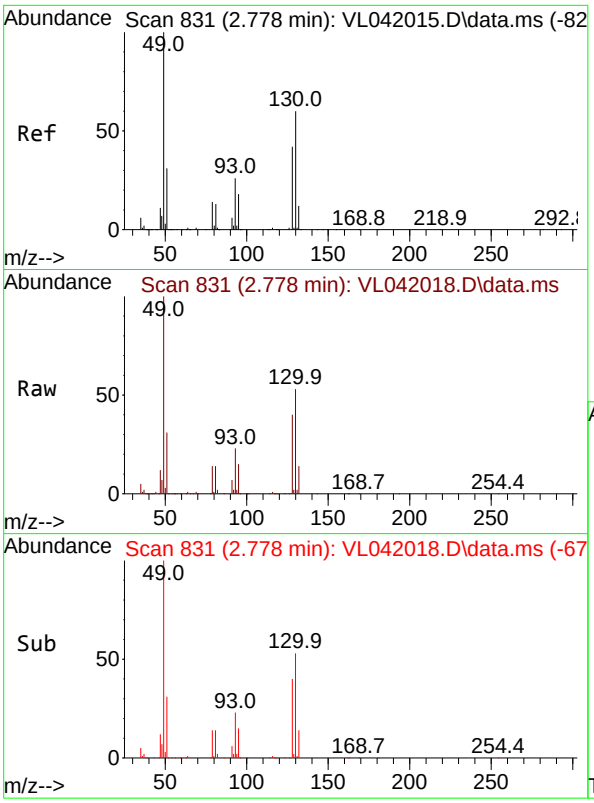
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
Data File : VL042018.D
Acq On : 14 Feb 2025 13:56
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Feb 15 01:21:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Sat Feb 15 01:17:03 2025
Response via : Initial Calibration



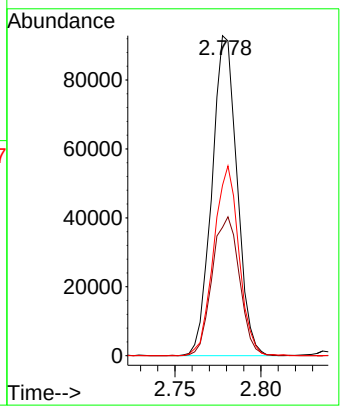


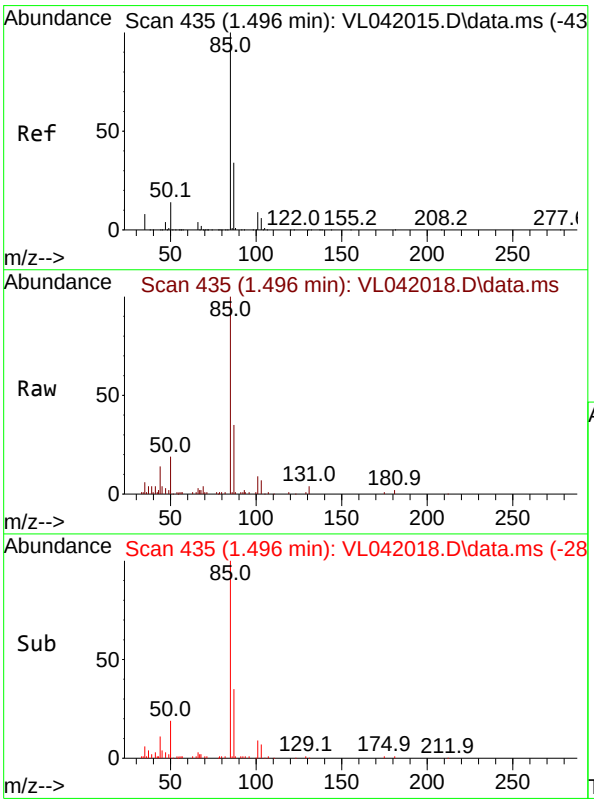
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.778 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 94436

Ion	Ratio	Lower	Upper
49	100		
128	47.2	22.7	68.0
130	59.5	29.9	89.8

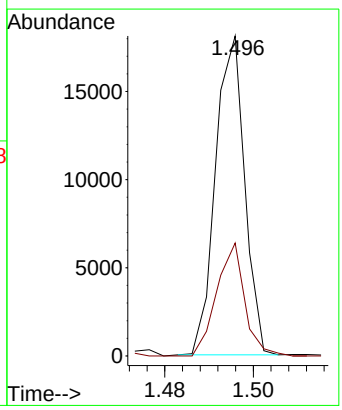


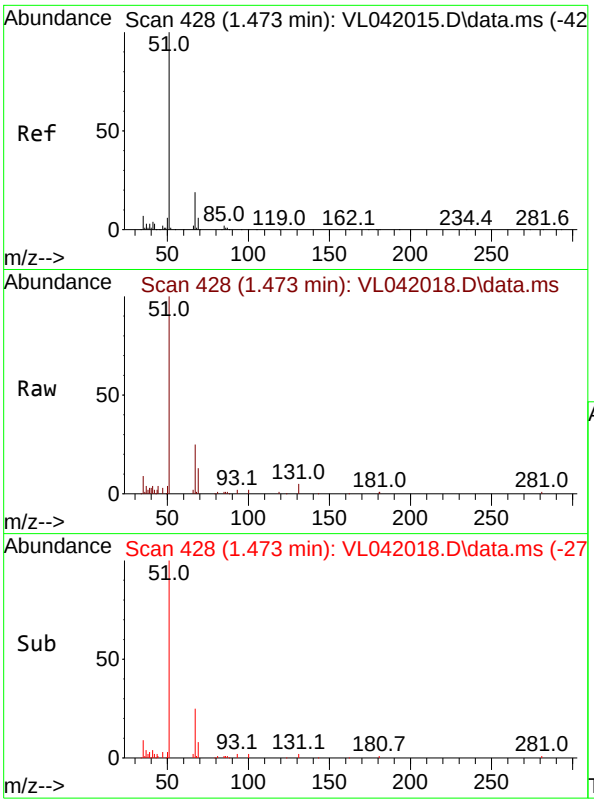


#2
Dichlorodifluoromethane
Concen: 0.507 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 85 Resp: 8247

Ion	Ratio	Lower	Upper
85	100		
87	35.4	26.9	40.3



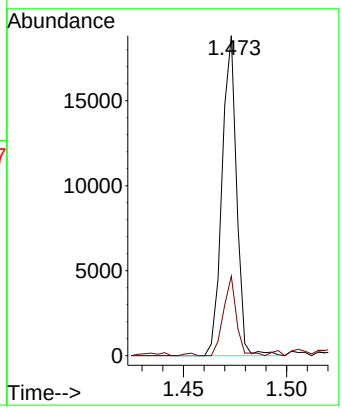


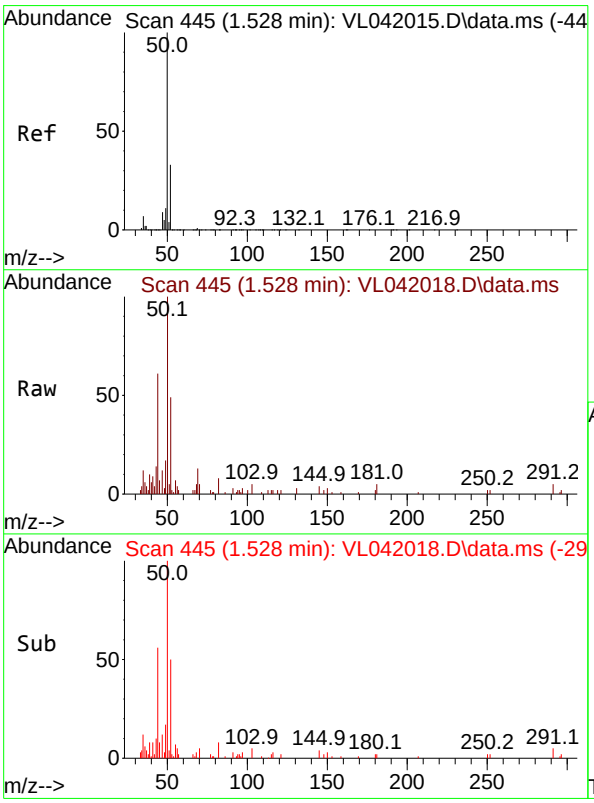
#3
Chlorodifluoromethane
Concen: 0.517 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 9295

Ion	Ratio	Lower	Upper
51	100		
67	23.6	15.0	22.6#

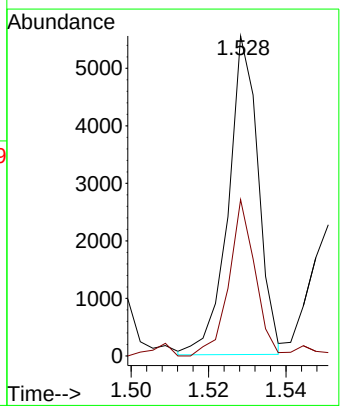


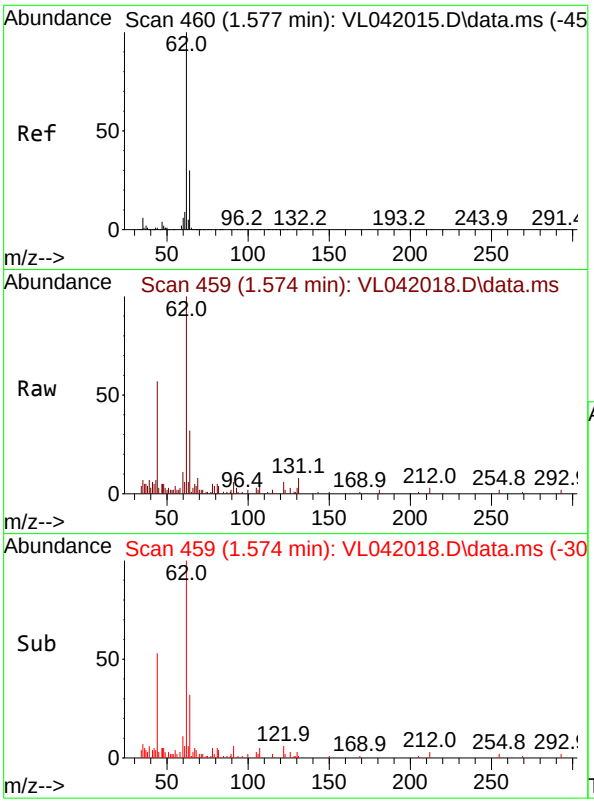


#4
Chloromethane
Concen: 0.471 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 50 Resp: 2975

Ion	Ratio	Lower	Upper
50	100		
52	51.9	26.2	39.2#



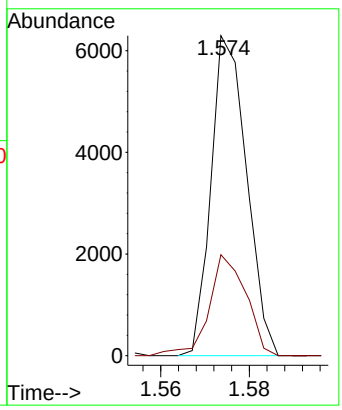


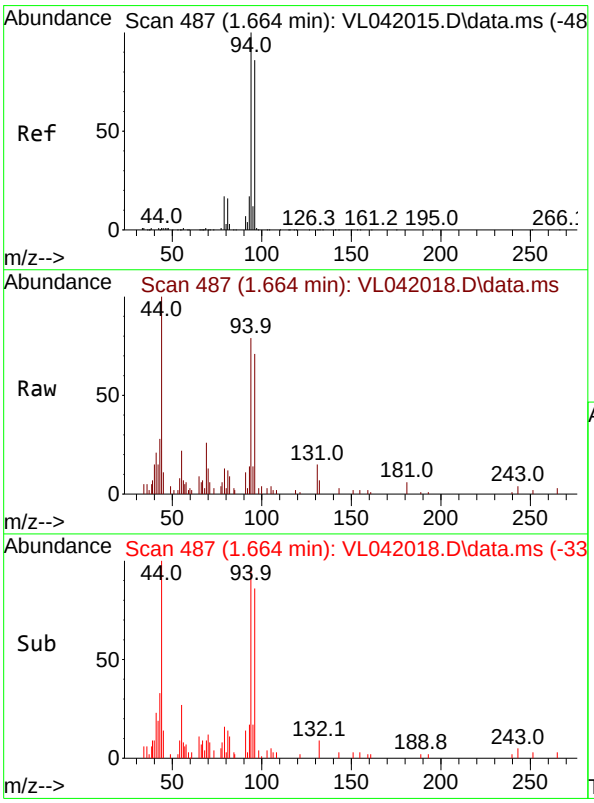
#5
Vinyl Chloride
Concen: 0.465 ppbv
RT: 1.574 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 3516

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.4	36.6

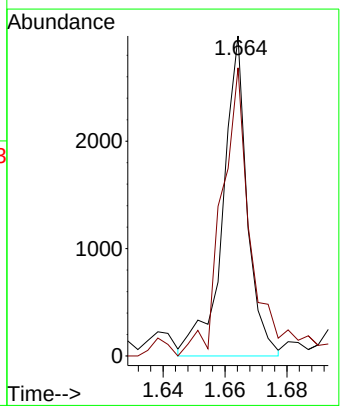


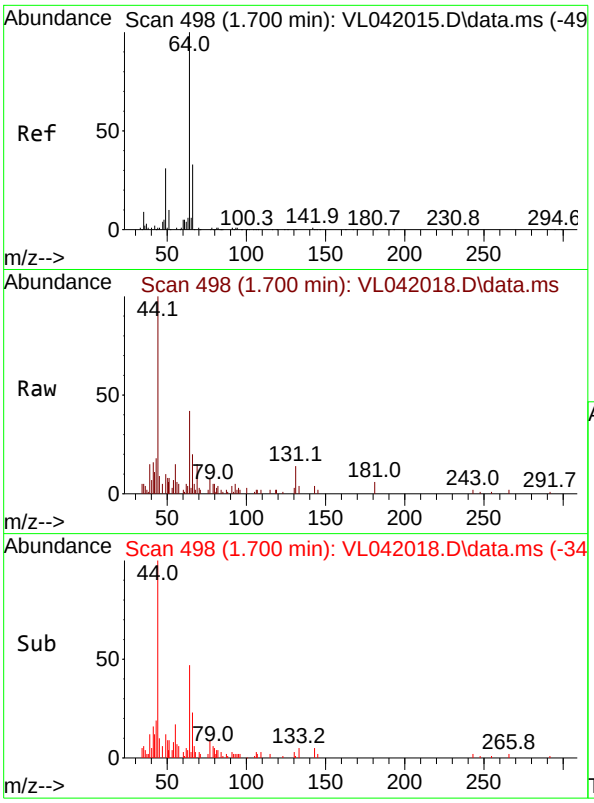


#6
Bromomethane
Concen: 0.560 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 94 Resp: 1639

Ion	Ratio	Lower	Upper
94	100		
96	91.7	69.0	103.6



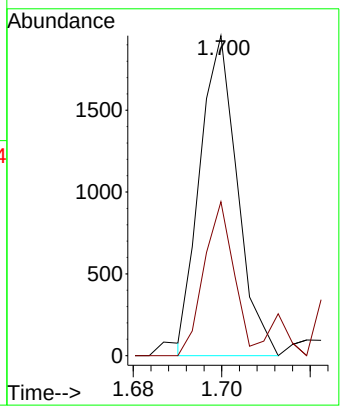


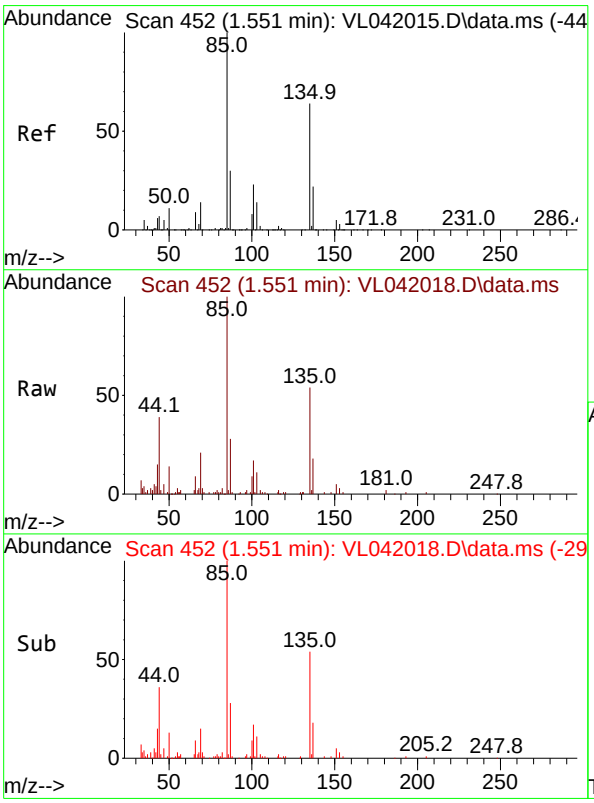
#7
Chloroethane
Concen: 0.466 ppbv
RT: 1.700 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 1148

Ion	Ratio	Lower	Upper
64	100		
66	48.1	26.5	39.7#

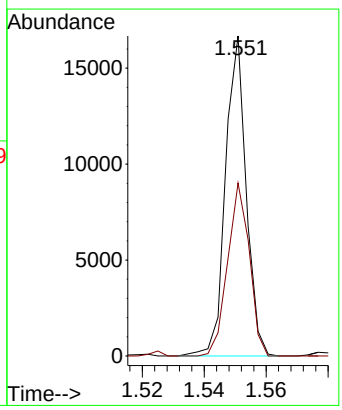


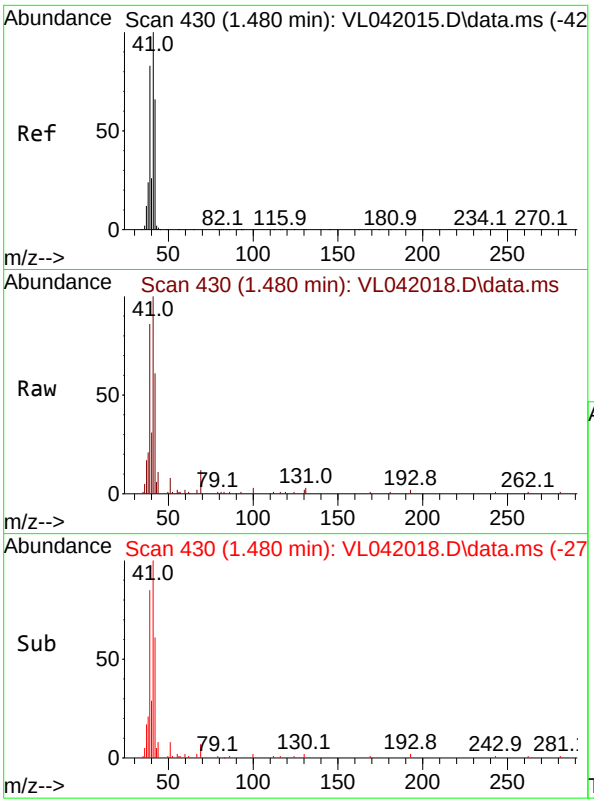


#8
Dichlorotetrafluoroethane
Concen: 0.542 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 85 Resp: 7752

Ion	Ratio	Lower	Upper
85	100		
135	57.6	50.9	76.3



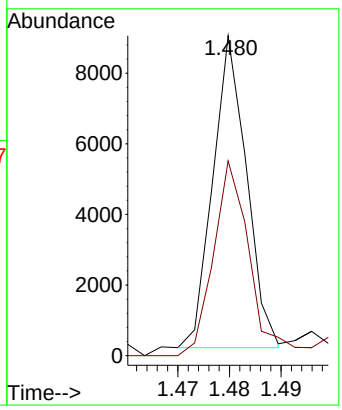


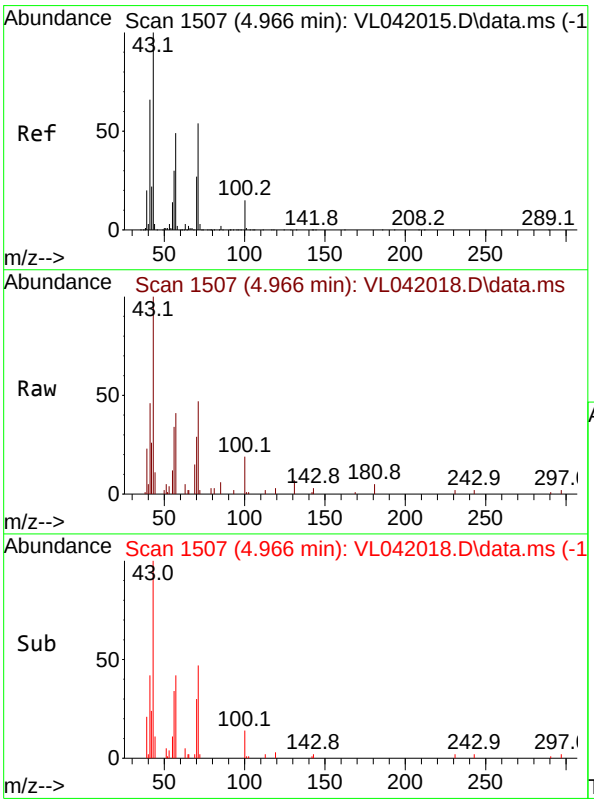
#9
Propene
Concen: 0.515 ppbv
RT: 1.480 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 4003

Ion	Ratio	Lower	Upper
41	100		
42	70.5	53.5	80.3

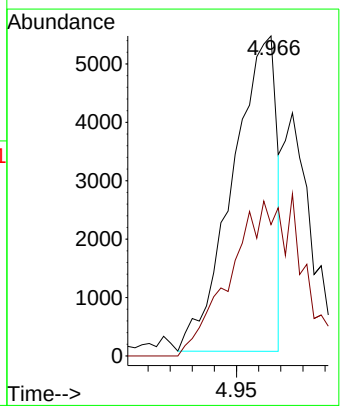


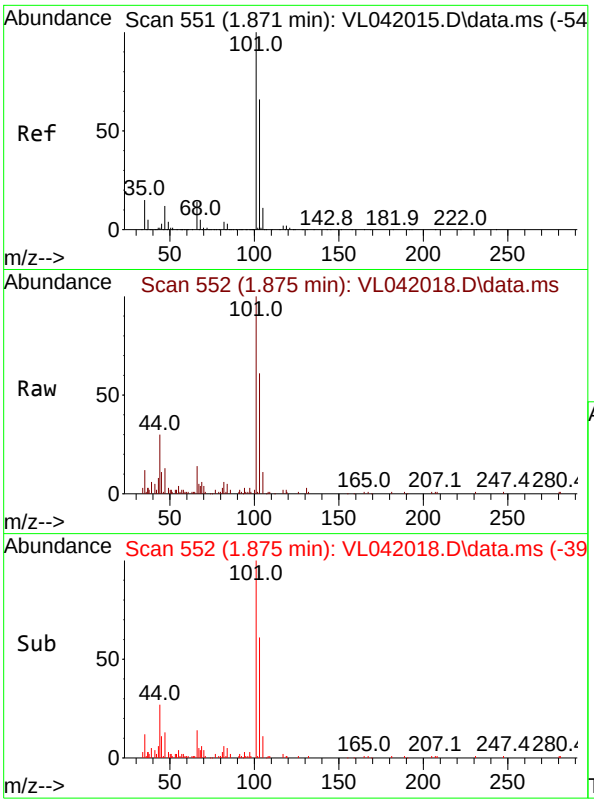


#10
Heptane
Concen: 0.351 ppbv
RT: 4.966 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 43 Resp: 7519

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.0	61.6#



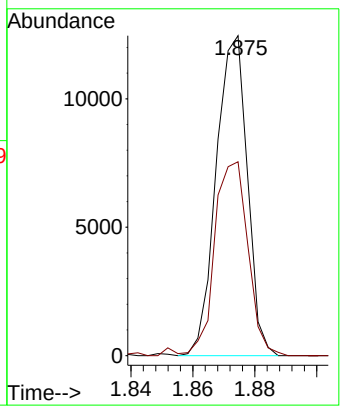


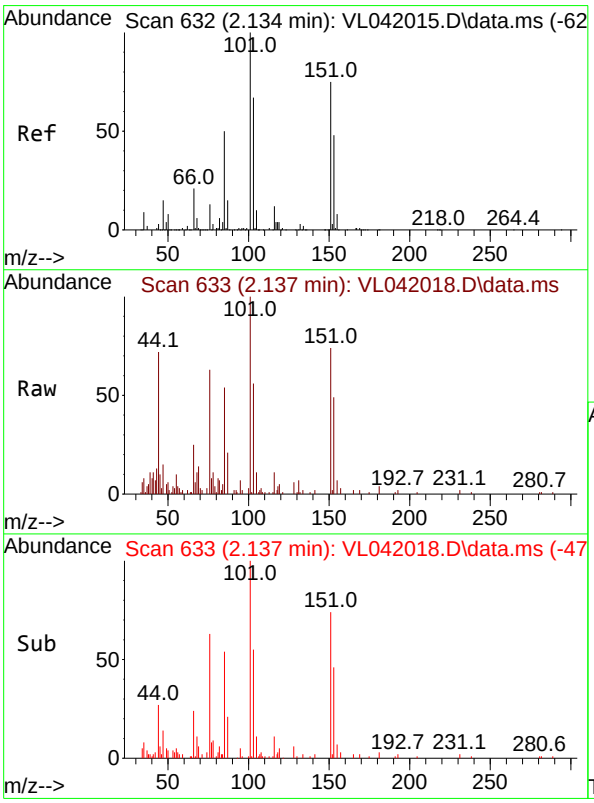
#11
Trichlorofluoromethane
Concen: 0.532 ppbv
RT: 1.875 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 8711

Ion	Ratio	Lower	Upper
101	100		
103	59.9	52.9	79.3

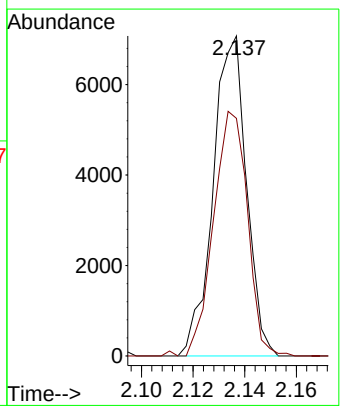


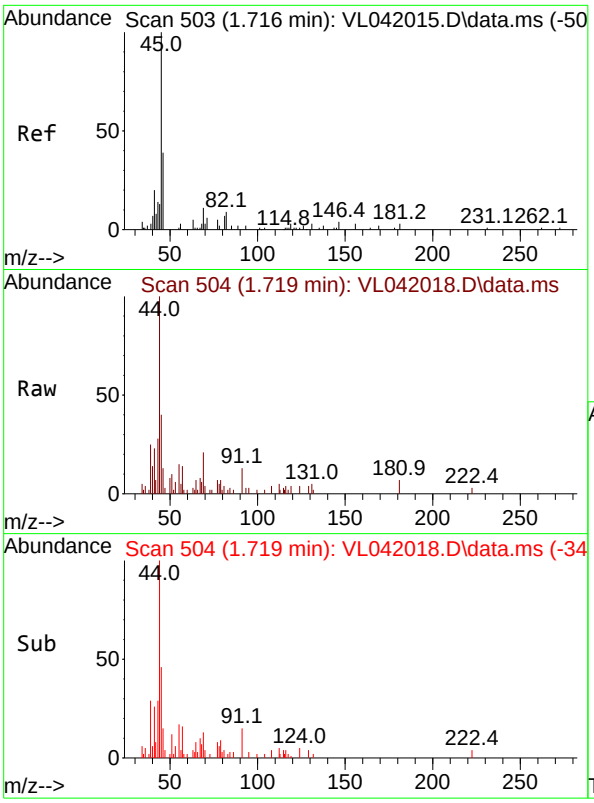


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.498 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:101 Resp: 6352

Ion	Ratio	Lower	Upper
101	100		
151	77.8	58.2	87.2



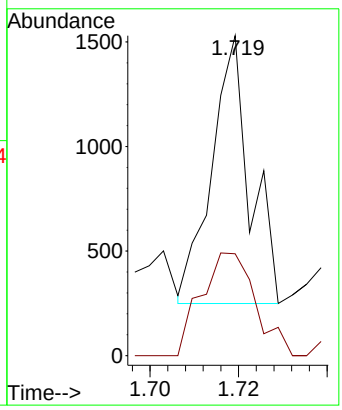


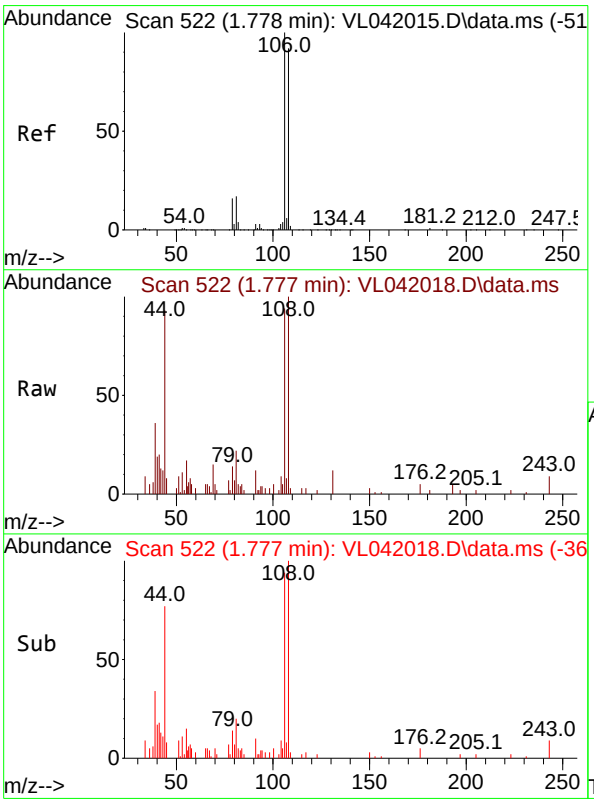
#13
Ethanol
Concen: 0.818 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 770

Ion	Ratio	Lower	Upper
45	100		
46	80.9	21.3	85.1

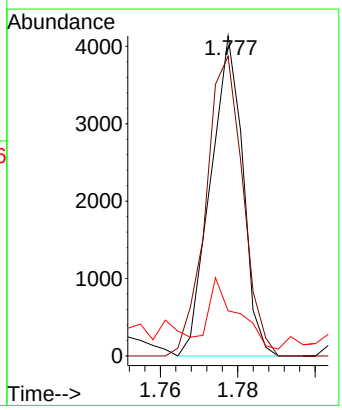


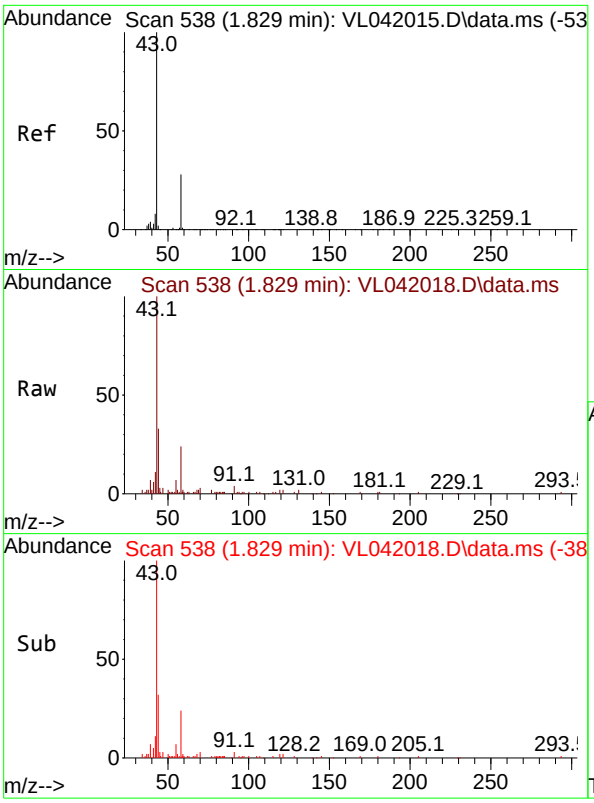


#14
Bromoethene
Concen: 0.501 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:108 Resp: 2389

Ion	Ratio	Lower	Upper
108	100		
106	107.5	85.0	127.6
79	50.7	17.3	25.9#



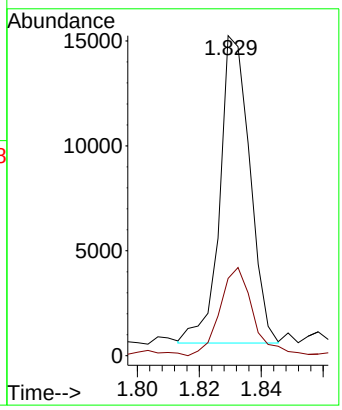


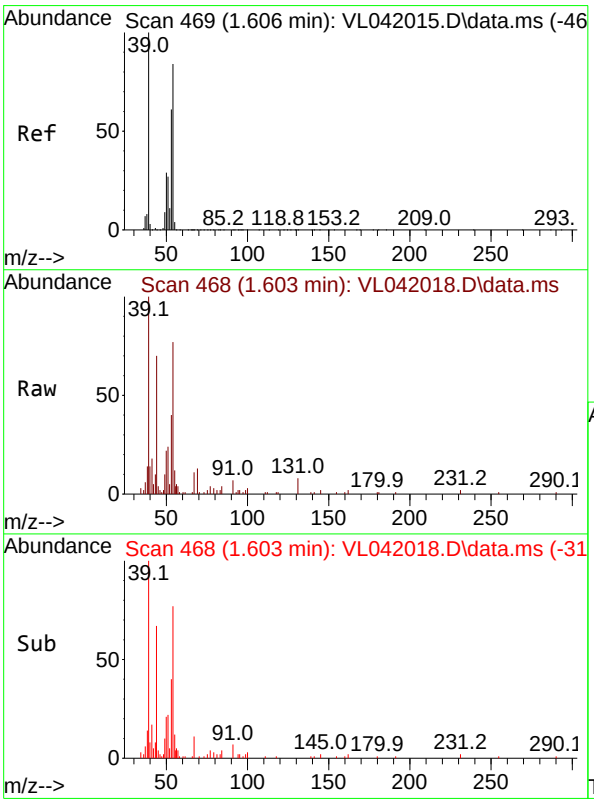
#15
Acetone
Concen: 0.634 ppbv
RT: 1.829 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 9879

Ion	Ratio	Lower	Upper
43	100		
58	34.1	22.9	34.3

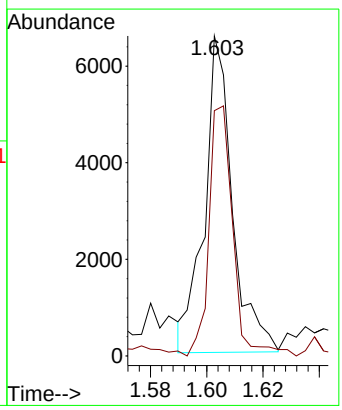


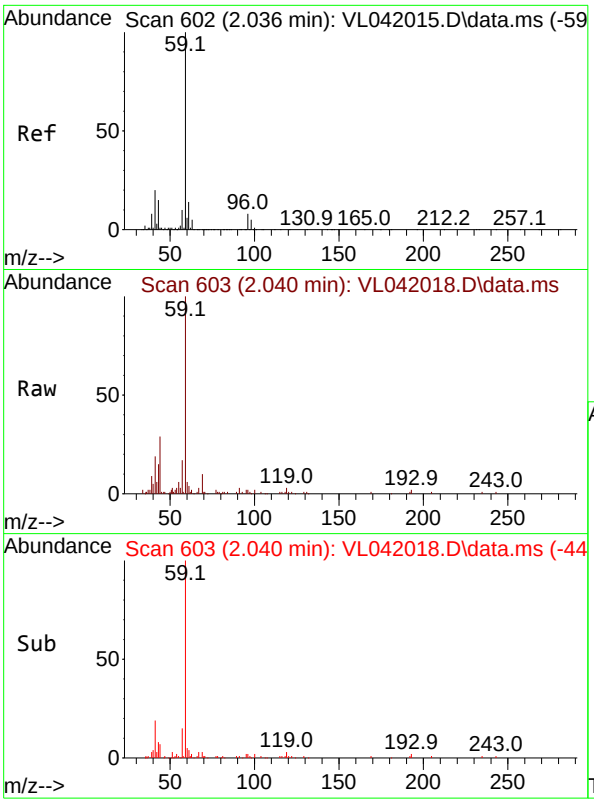


#16
1,3-Butadiene
Concen: 0.612 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 39 Resp: 4527

Ion	Ratio	Lower	Upper
39	100		
54	70.6	59.4	89.2



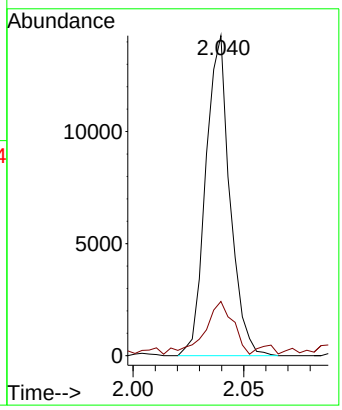


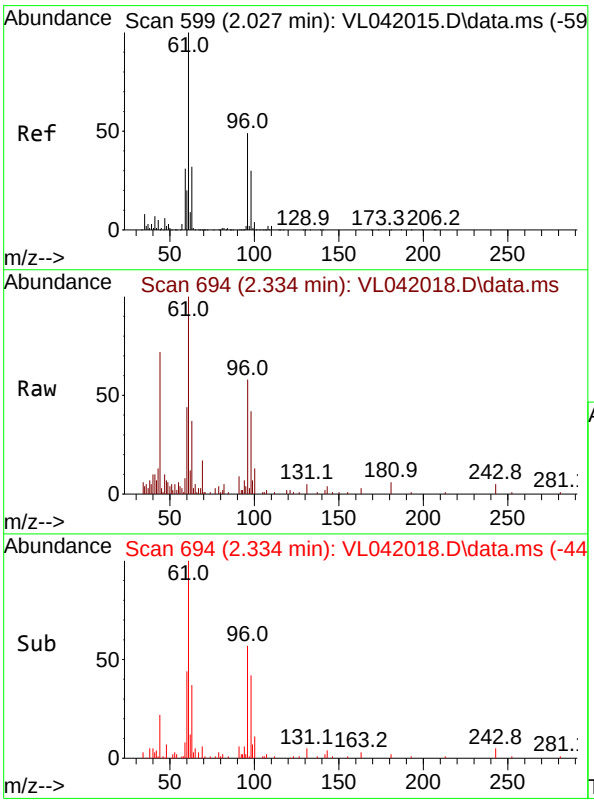
#17
tert-Butyl alcohol
Concen: 0.562 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 10843

Ion	Ratio	Lower	Upper
59	100		
57	22.4	9.2	13.8#

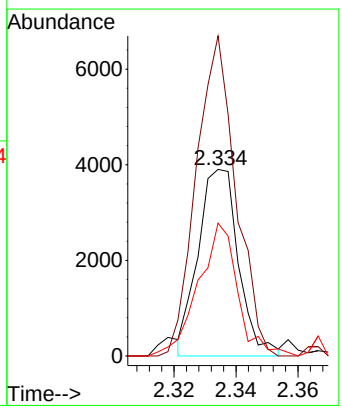


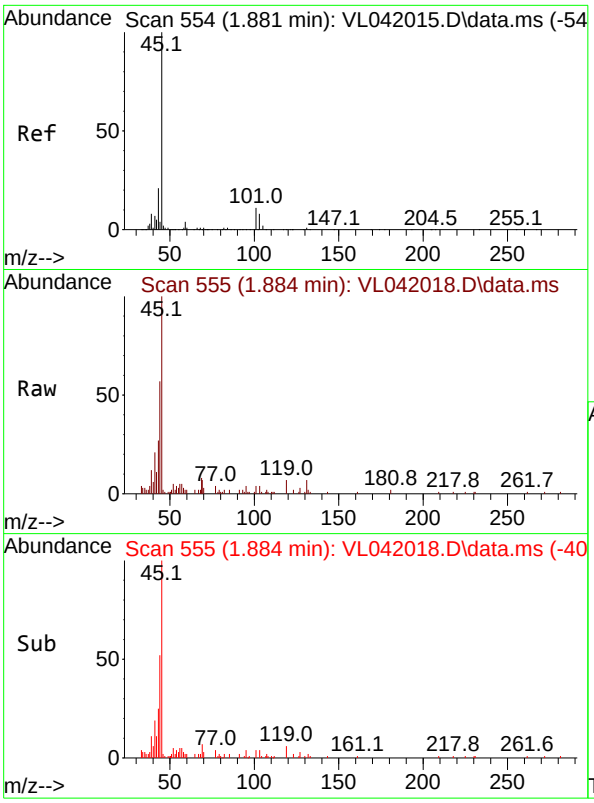


#18
1,1-Dichloroethene
Concen: 0.570 ppbv
RT: 2.334 min Scan# 694
Delta R.T. 0.307 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 96 Resp: 3536

Ion	Ratio	Lower	Upper
96	100		
61	172.9	163.5	245.3
98	70.0	49.4	74.0



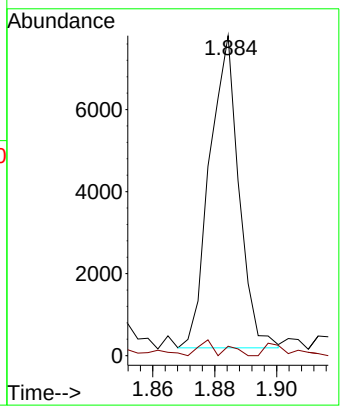


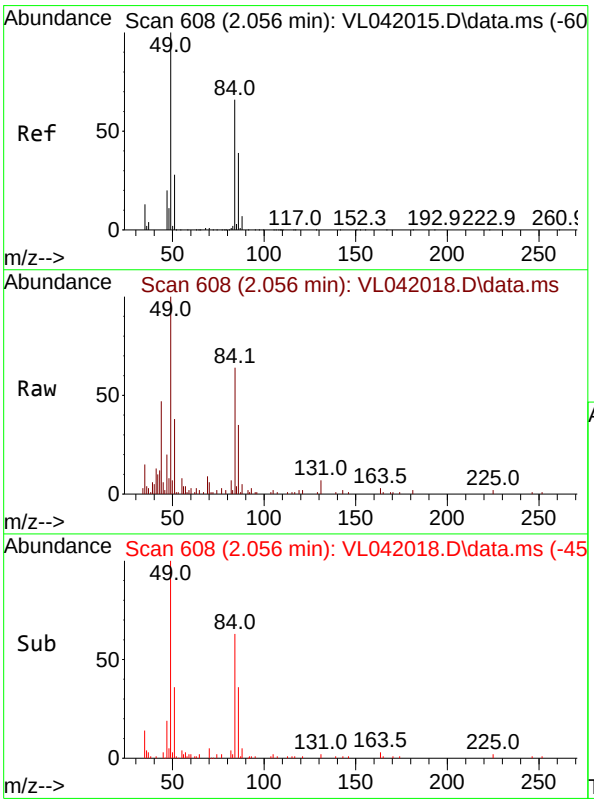
#19
Isopropyl Alcohol
Concen: 0.569 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 5006

Ion	Ratio	Lower	Upper
45	100		
58	4.2	36.2	54.4#

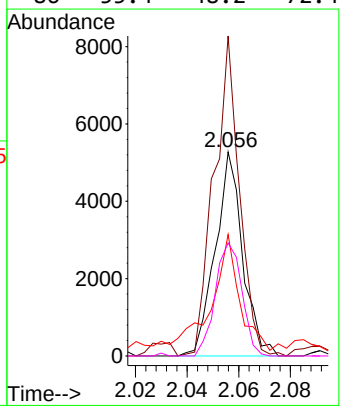


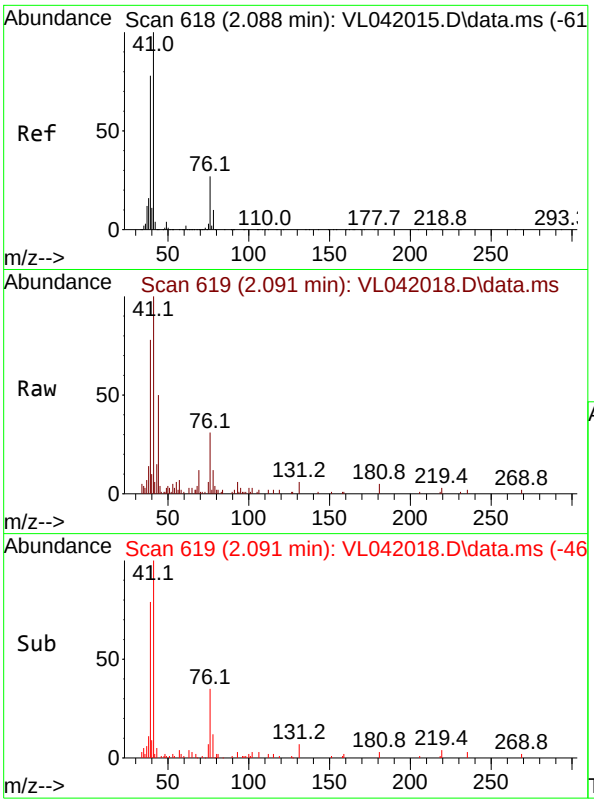


#20
Methylene Chloride
Concen: 0.662 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 84 Resp: 3886

Ion	Ratio	Lower	Upper
84	100		
49	156.9	121.0	181.4
51	53.6	35.1	52.7#
86	55.4	48.2	72.4



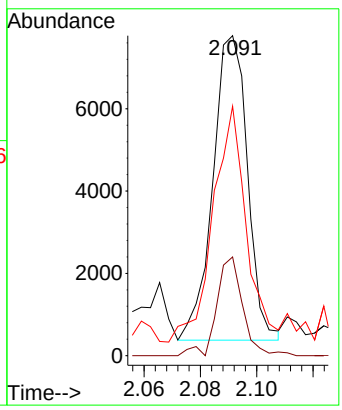


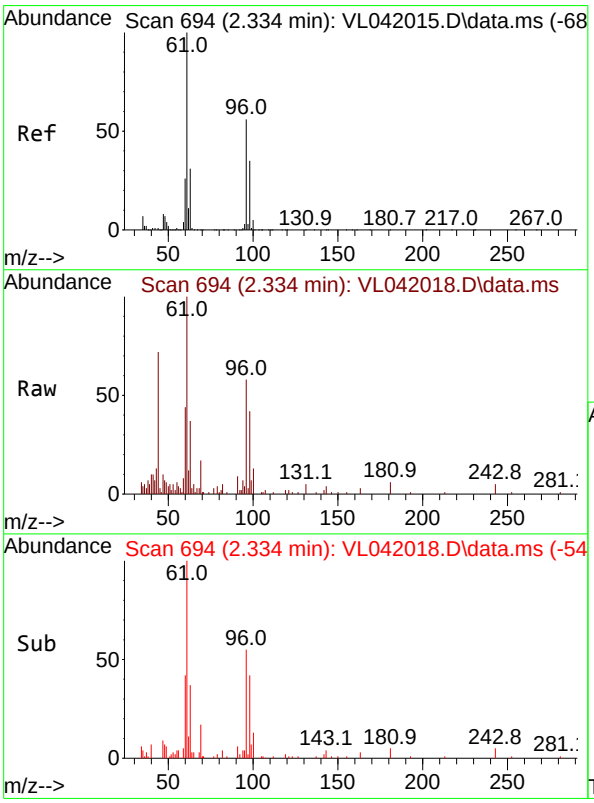
#21
Allyl Chloride
Concen: 0.562 ppbv
RT: 2.091 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 6308

Ion	Ratio	Lower	Upper
41	100		
76	24.5	23.7	35.5
39	84.9	63.0	94.6

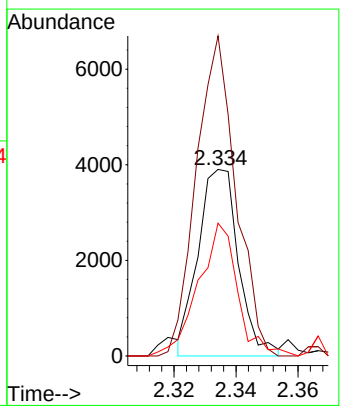


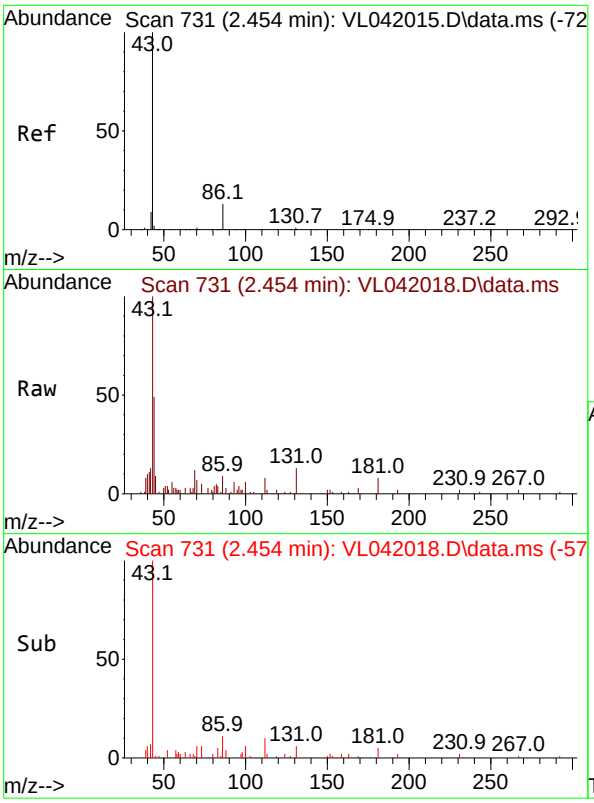


#22
trans-1,2-Dichloroethene
Concen: 0.534 ppbv
RT: 2.334 min Scan# 694
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 96 Resp: 3536

Ion	Ratio	Lower	Upper
96	100		
61	172.9	142.3	213.5
98	70.0	50.2	75.2



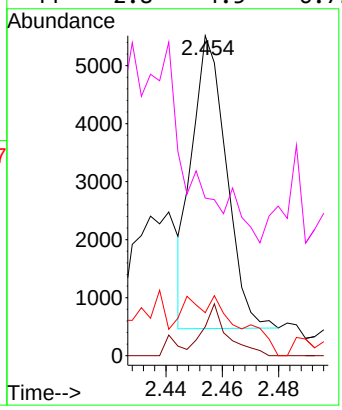


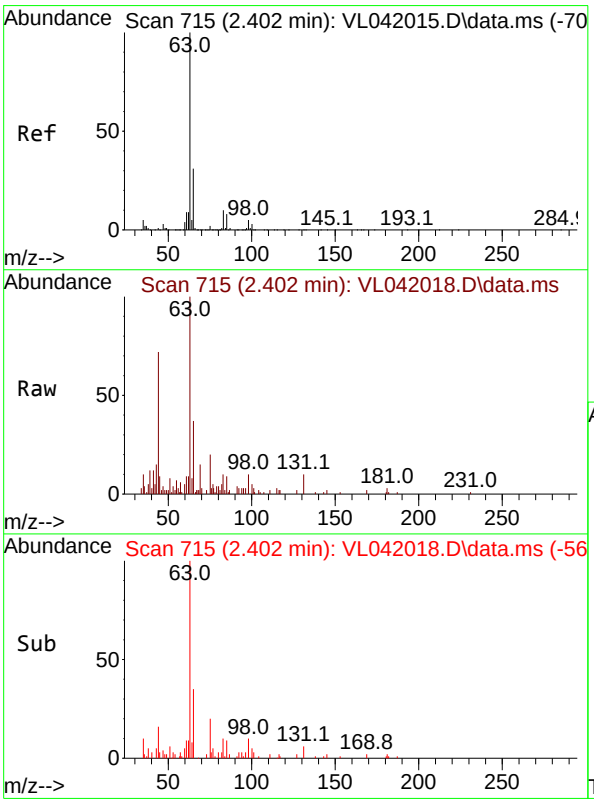
#23
Vinyl Acetate
Concen: 0.506 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 4271

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1
42	14.7	7.5	11.3#
44	2.8	4.5	6.7#

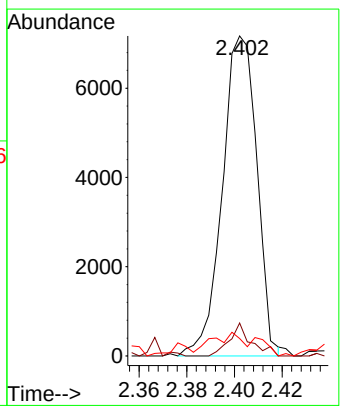


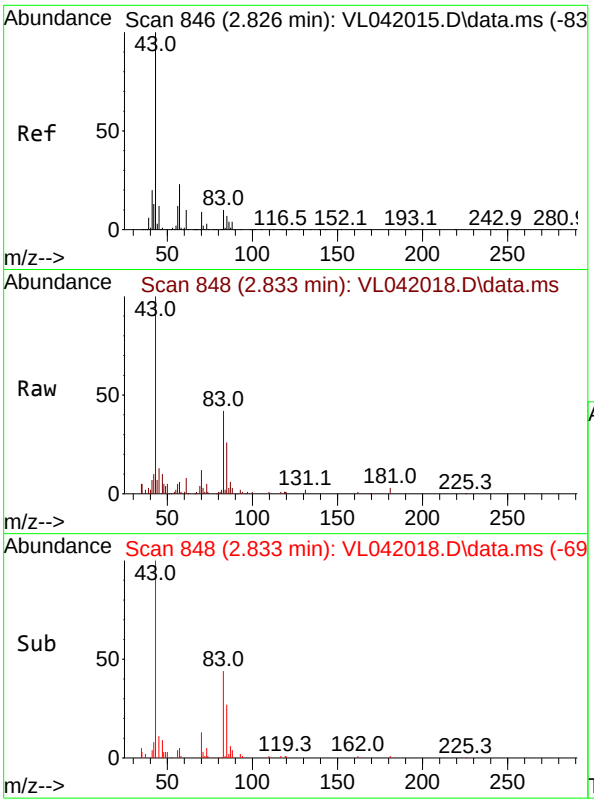


#24
1,1-Dichloroethane
Concen: 0.537 ppbv
RT: 2.402 min Scan# 715
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 63 Resp: 7214

Ion	Ratio	Lower	Upper
63	100		
98	10.3	2.4	7.2#
100	5.4	1.6	4.8#



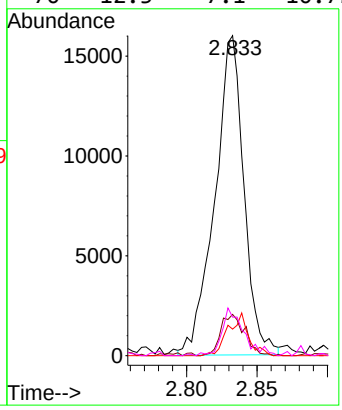


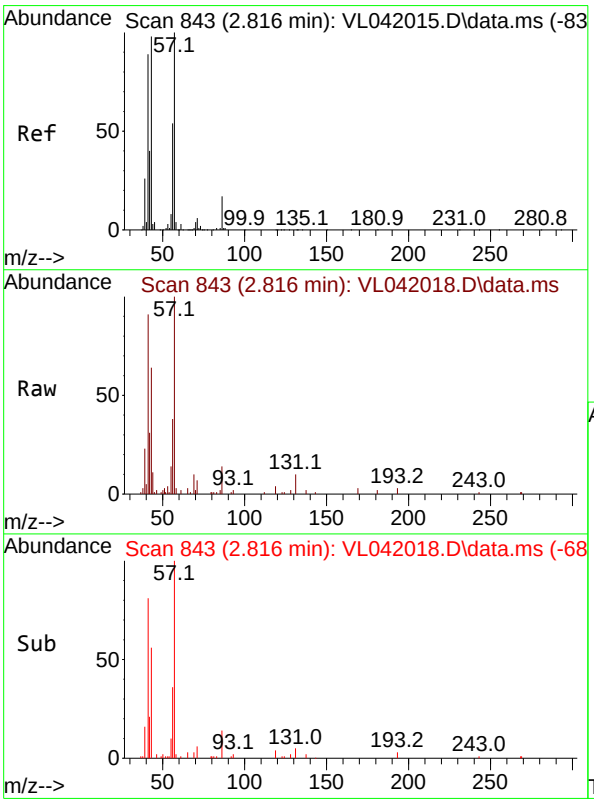
#25
Ethyl Acetate
Concen: 0.538 ppbv
RT: 2.833 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 23026

Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.1	12.1
61	9.3	7.5	11.3
70	12.3	7.1	10.7#

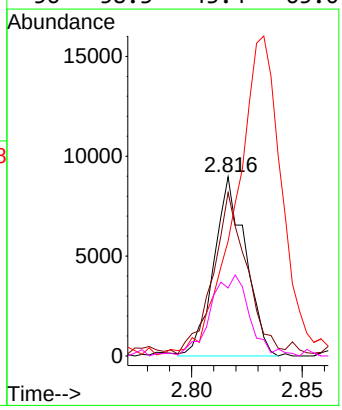


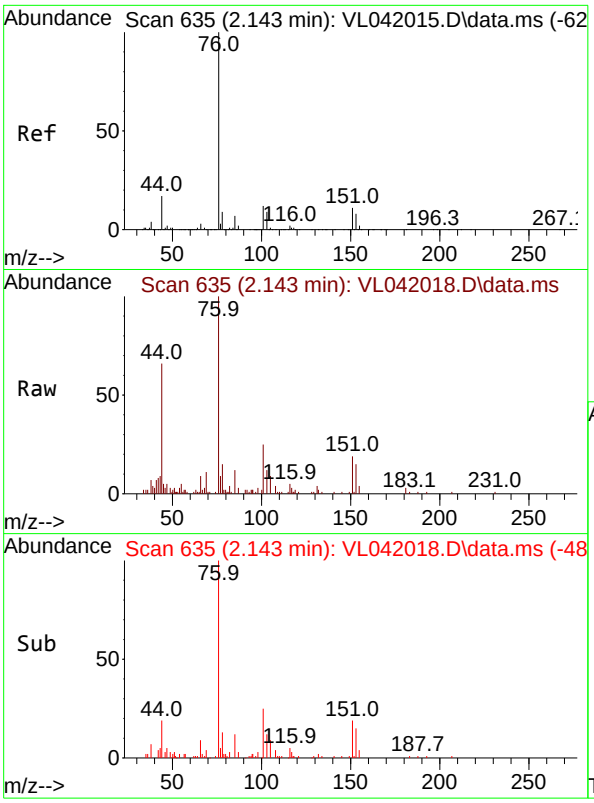


#26
Hexane
Concen: 0.519 ppbv
RT: 2.816 min Scan# 843
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 57 Resp: 8914

Ion	Ratio	Lower	Upper
57	100		
41	101.5	73.2	109.8
43	260.8	200.8	301.2
56	58.3	43.4	65.0



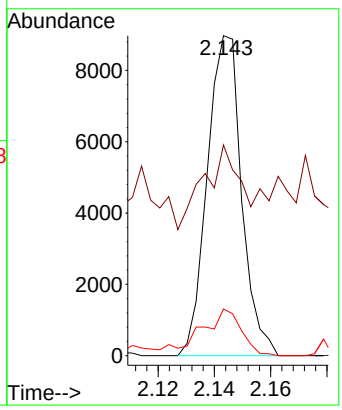


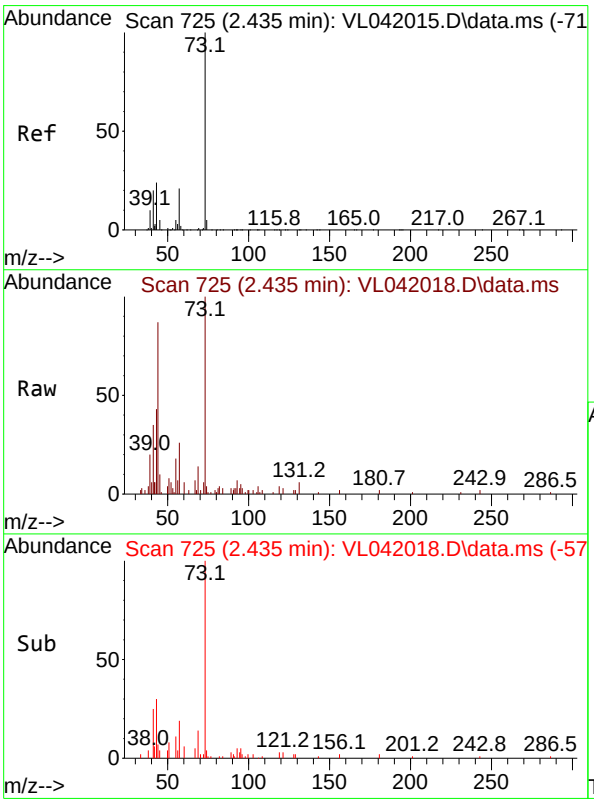
#27
Carbon Disulfide
Concen: 0.471 ppbv
RT: 2.143 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 7608

Ion	Ratio	Lower	Upper
76	100		
44	137.3	18.1	27.1#
78	19.5	9.5	14.3#

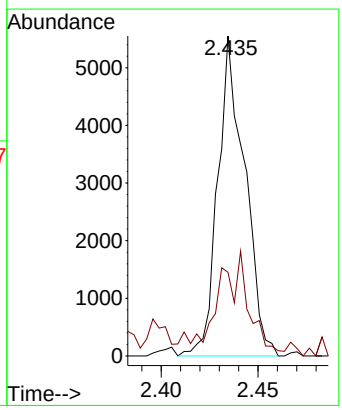


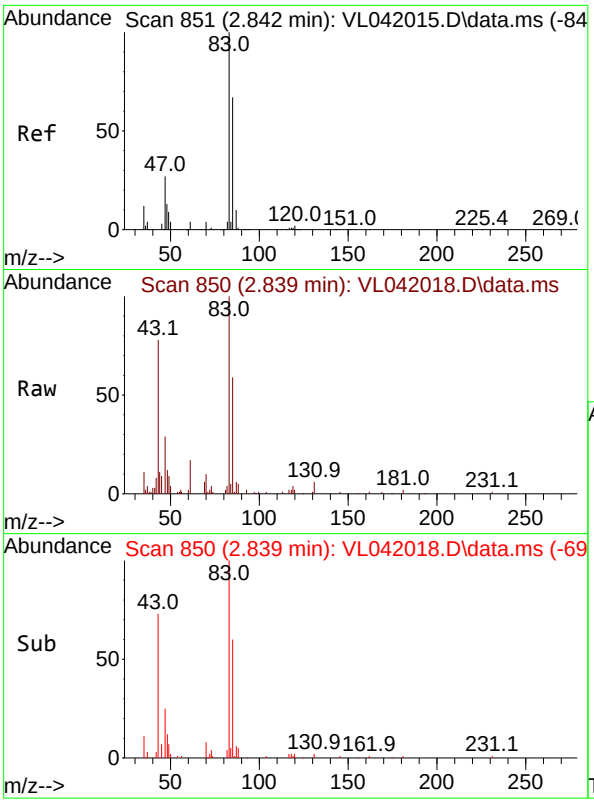


#28
Methyl tert-Butyl Ether
Concen: 0.512 ppbv
RT: 2.435 min Scan# 725
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 73 Resp: 5376

Ion	Ratio	Lower	Upper
73	100		
57	50.4	18.3	27.5#



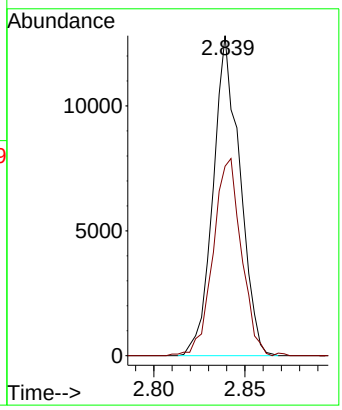


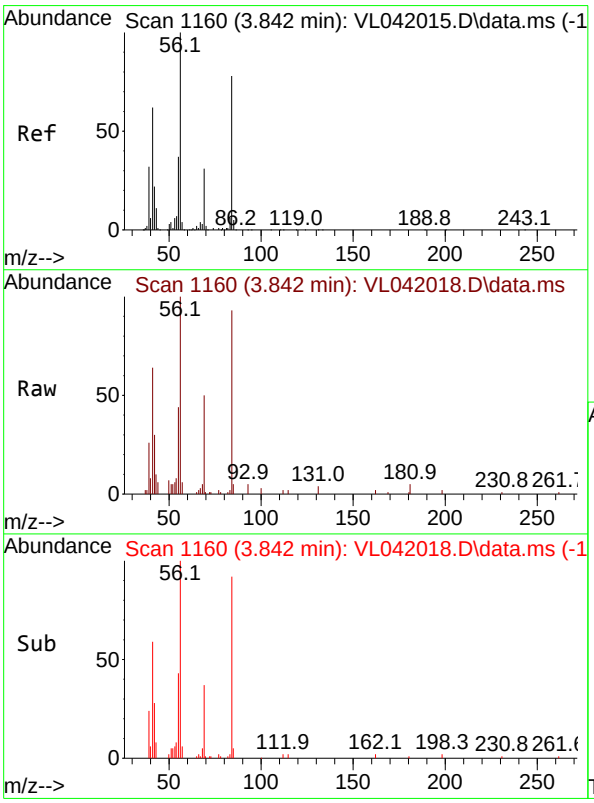
#29
Chloroform
Concen: 0.526 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 13077

Ion	Ratio	Lower	Upper
83	100		
85	58.7	53.8	80.6

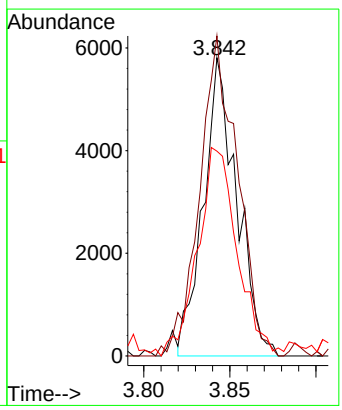


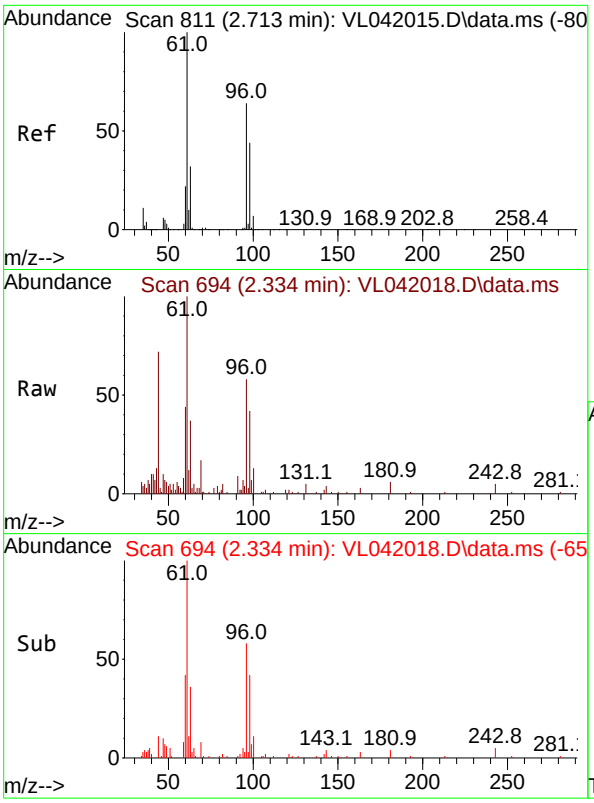


#30
Cyclohexane
Concen: 0.522 ppbv
RT: 3.842 min Scan# 1160
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 84 Resp: 7847

Ion	Ratio	Lower	Upper
84	100		
56	123.2	99.5	149.3
41	80.3	62.2	93.2



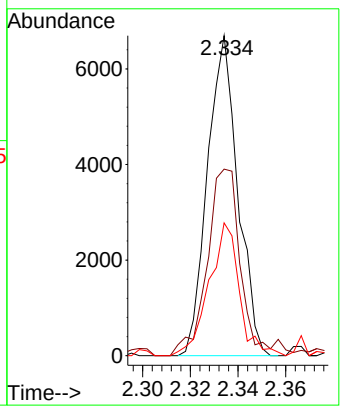


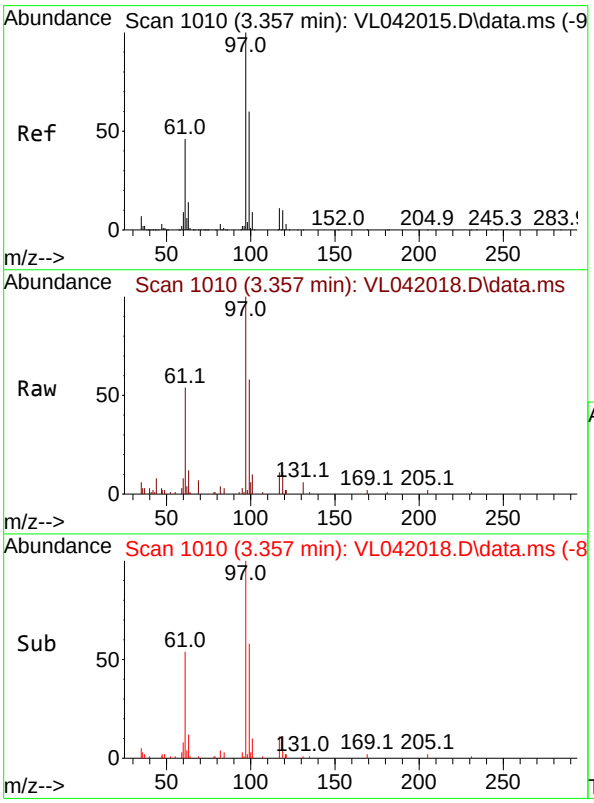
#31
cis-1,2-Dichloroethene
Concen: 0.350 ppbv
RT: 2.334 min Scan# 6
Delta R.T. -0.379 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 5934

Ion	Ratio	Lower	Upper
61	100		
96	54.9	51.6	77.4
98	40.4	34.8	52.2

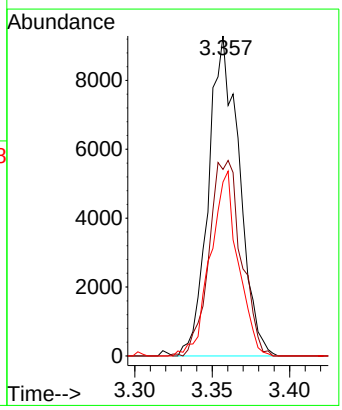


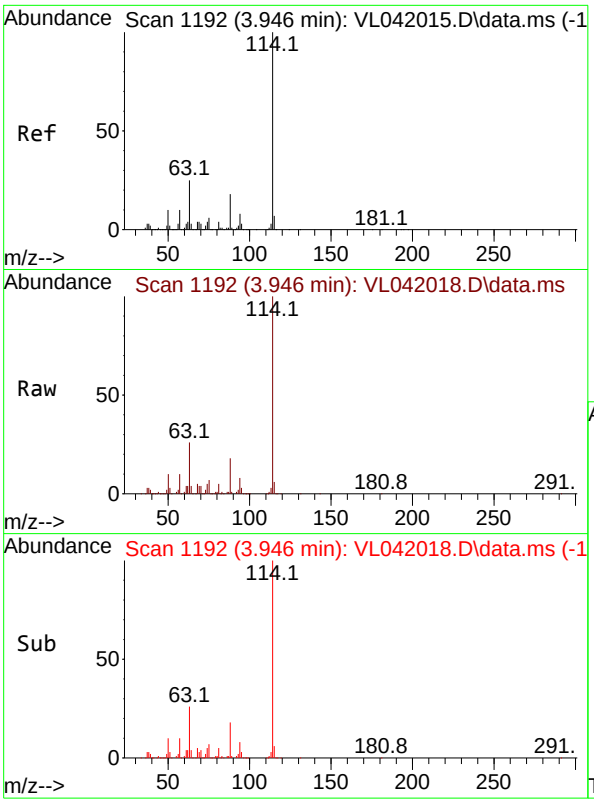


#32
1,1,1-Trichloroethane
Concen: 0.465 ppbv
RT: 3.357 min Scan# 1010
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 97 Resp: 12836

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	52.2	37.9	56.9



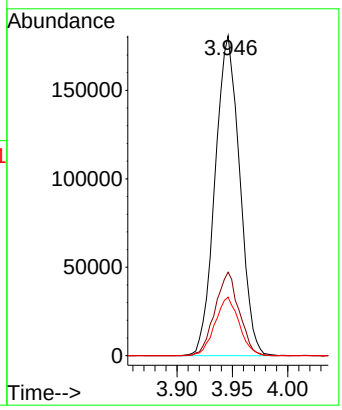


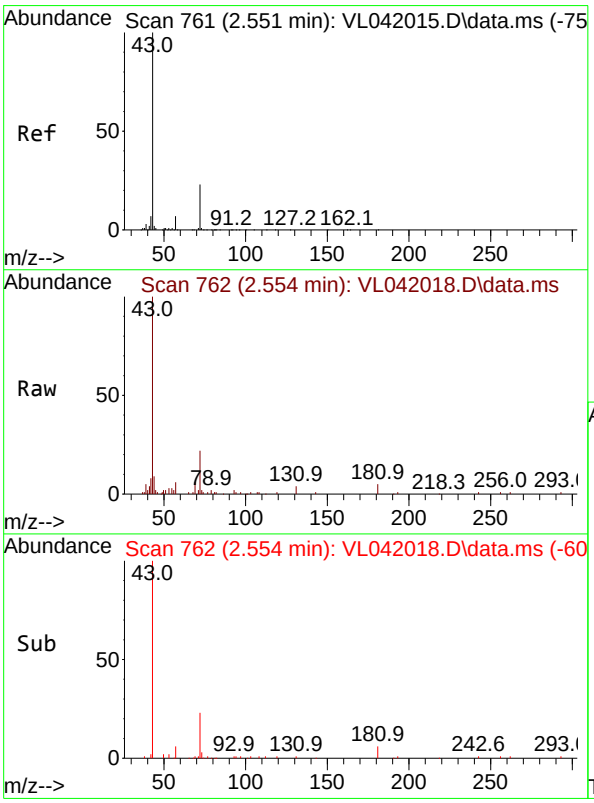
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 279976

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.2	30.2
88	18.0	14.4	21.6

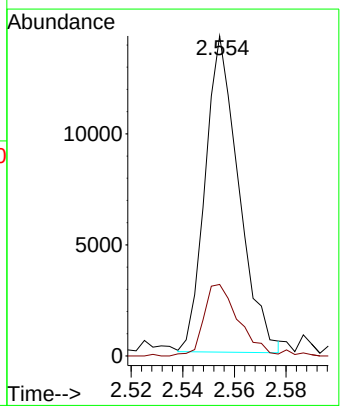


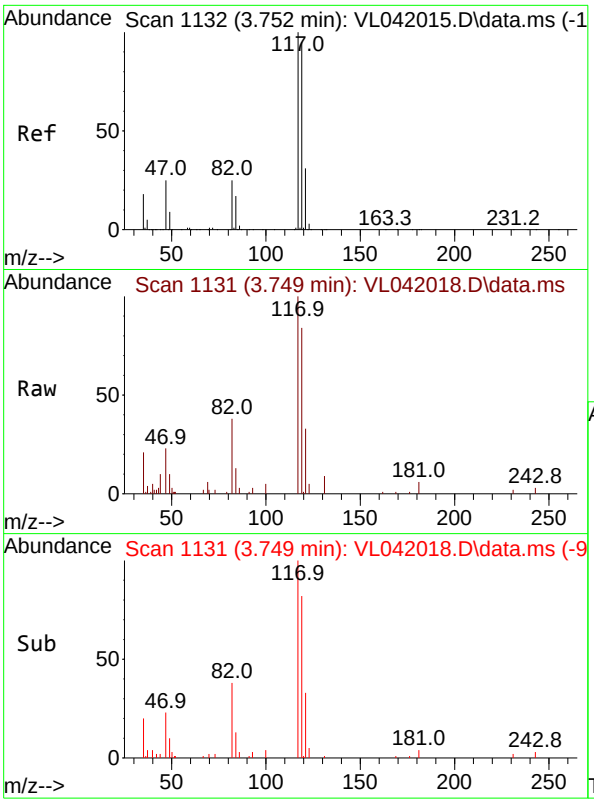


#34
2-Butanone
Concen: 0.534 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 43 Resp: 12852

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.3	27.5



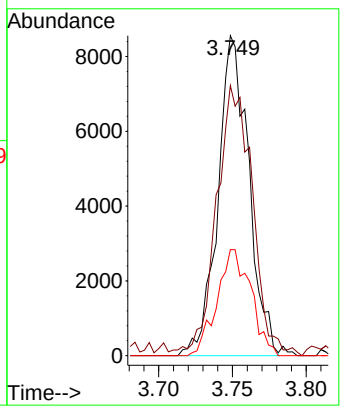


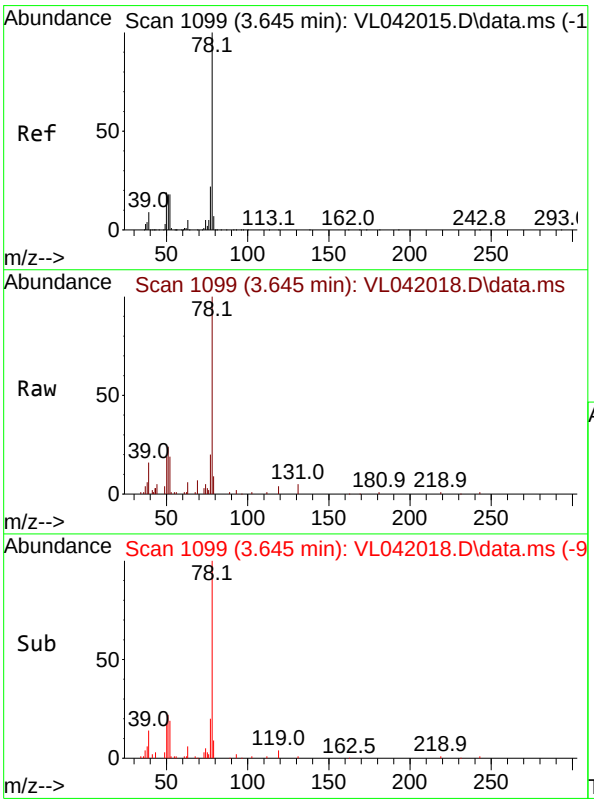
#35
Carbon Tetrachloride
Concen: 0.467 ppbv
RT: 3.749 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 12442

Ion	Ratio	Lower	Upper
117	100		
119	82.6	75.8	113.6
121	33.2	24.6	36.8

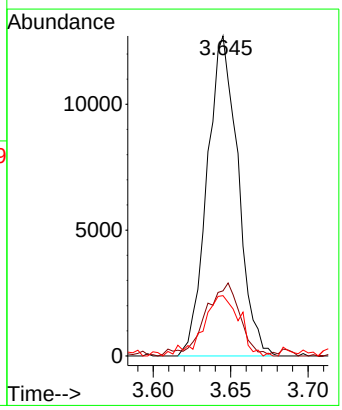


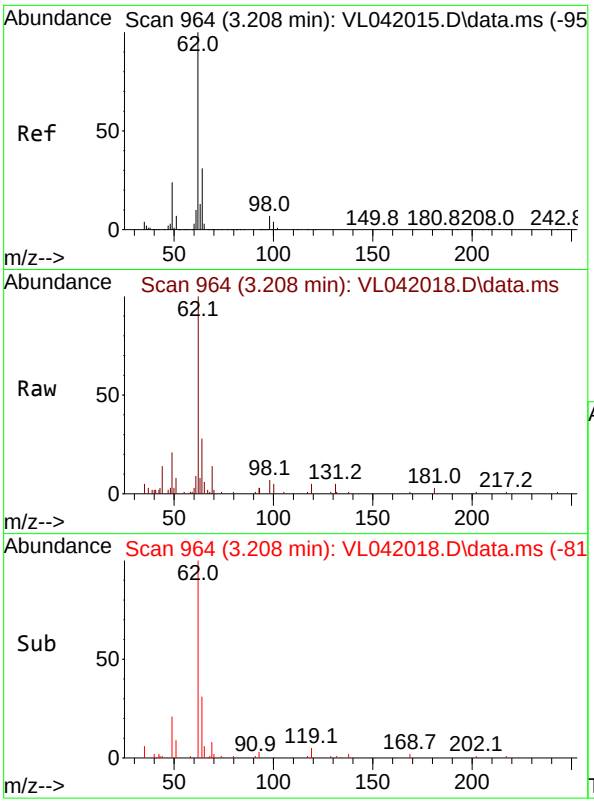


#36
Benzene
Concen: 0.520 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 78 Resp: 17625

Ion	Ratio	Lower	Upper
78	100		
77	19.7	18.0	27.0
50	18.9	15.2	22.8



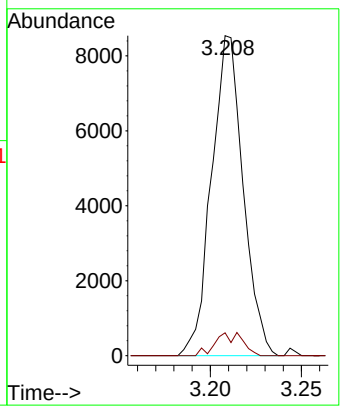


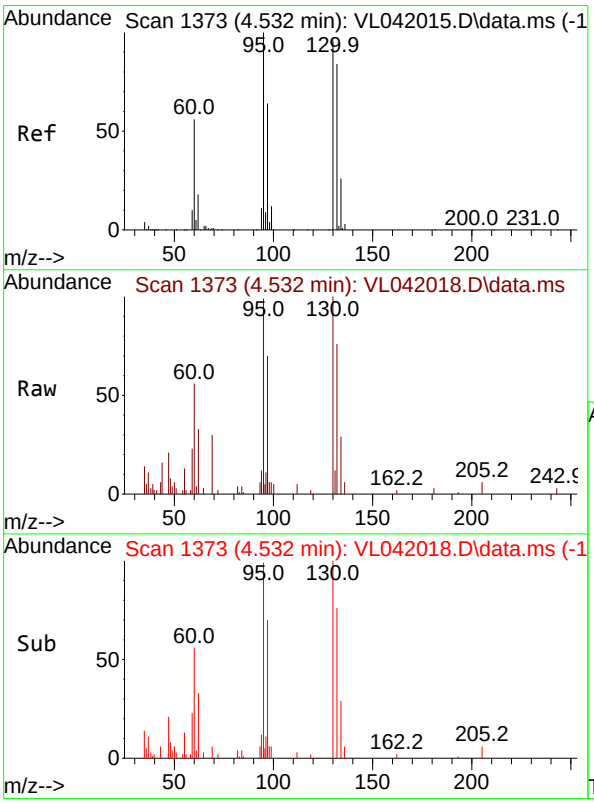
#37
1,2-Dichloroethane
Concen: 0.534 ppbv
RT: 3.208 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 10309

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.7	8.5

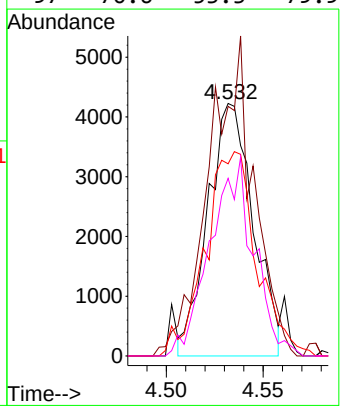


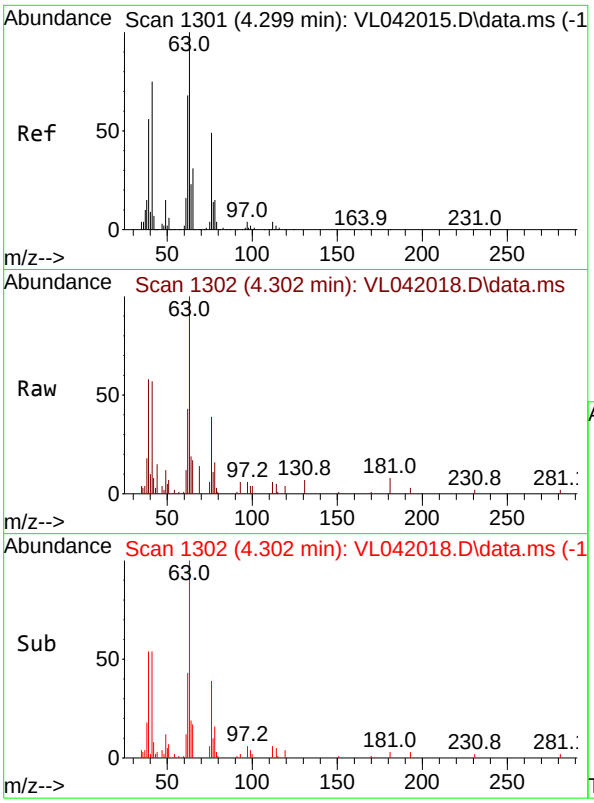


#38
Trichloroethene
Concen: 0.495 ppbv
RT: 4.532 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:130 Resp: 6897

Ion	Ratio	Lower	Upper
130	100		
95	98.6	82.8	124.2
132	75.0	70.0	105.0
97	70.6	53.3	79.9



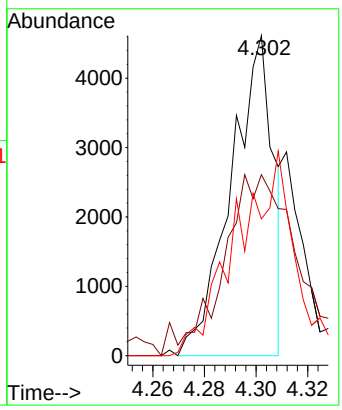


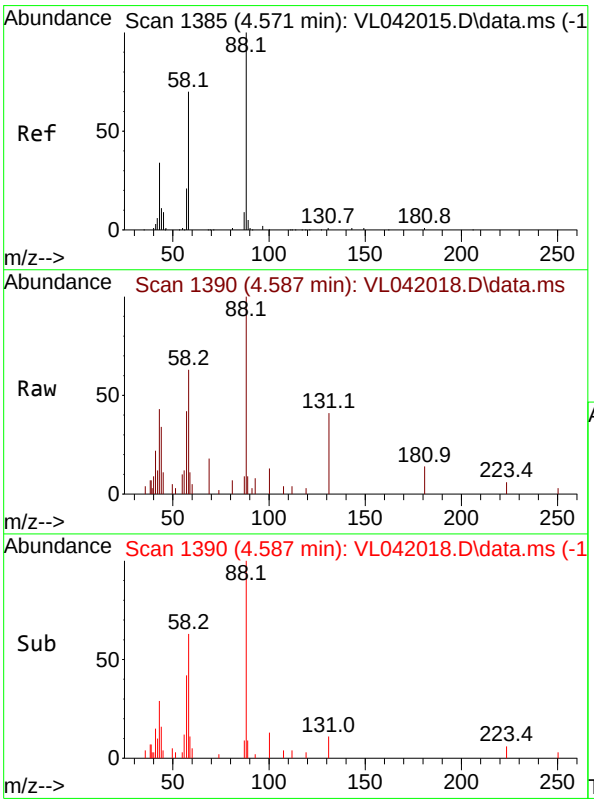
#39
1,2-Dichloropropane
Concen: 0.418 ppbv
RT: 4.302 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 5260

Ion	Ratio	Lower	Upper
63	100		
41	53.3	60.1	90.1#
62	41.6	54.0	81.0#

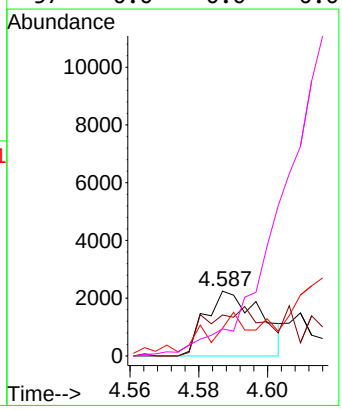


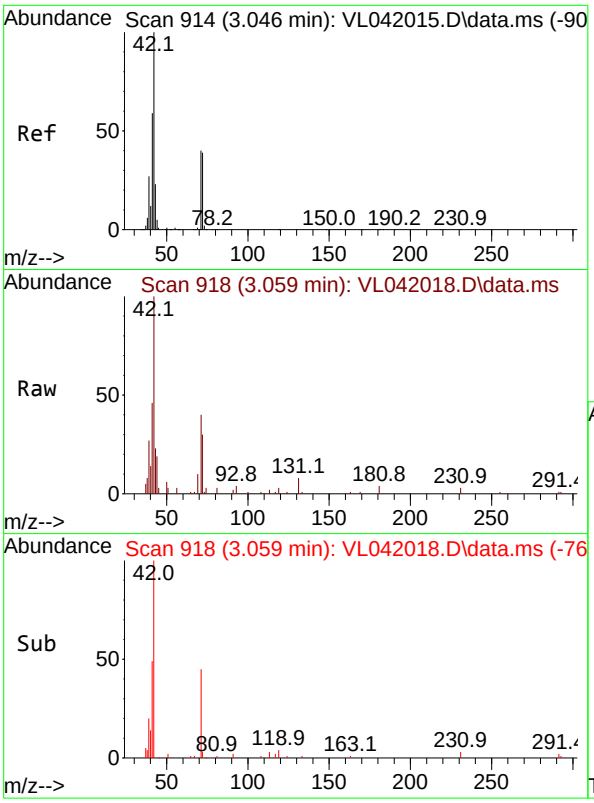


#40
1,4-Dioxane
Concen: 0.393 ppbv
RT: 4.587 min Scan# 1390
Delta R.T. 0.016 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 88 Resp: 2528

Ion	Ratio	Lower	Upper
88	100		
58	5.5	58.1	87.1#
43	35.6	27.3	40.9
57	0.0	0.0	0.0



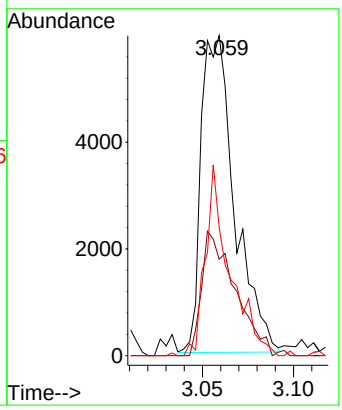


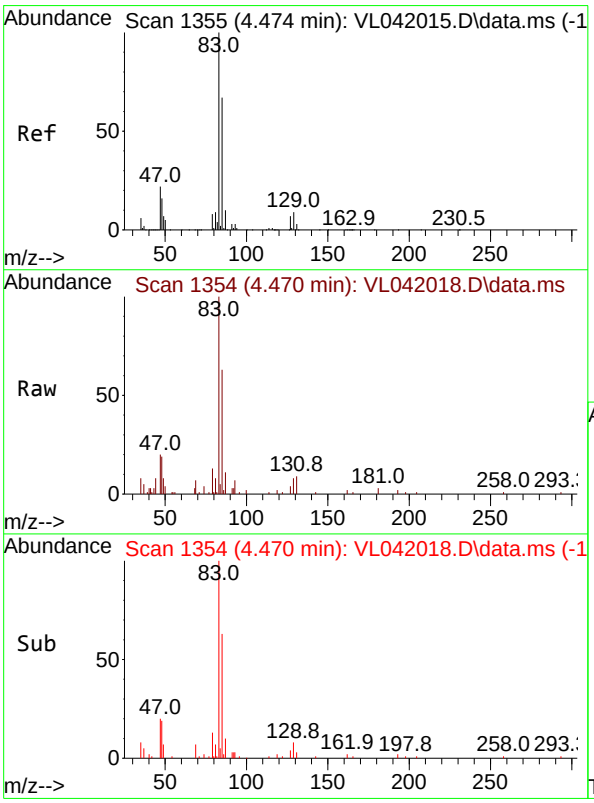
#41
Tetrahydrofuran
Concen: 0.543 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.013 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 7633

Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.3	48.5
71	43.9	30.9	46.3

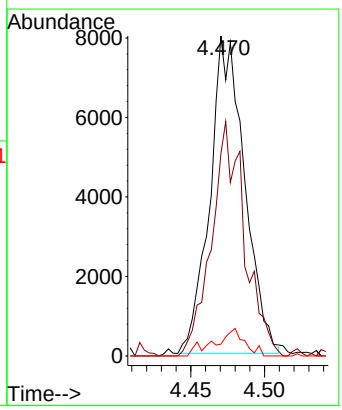


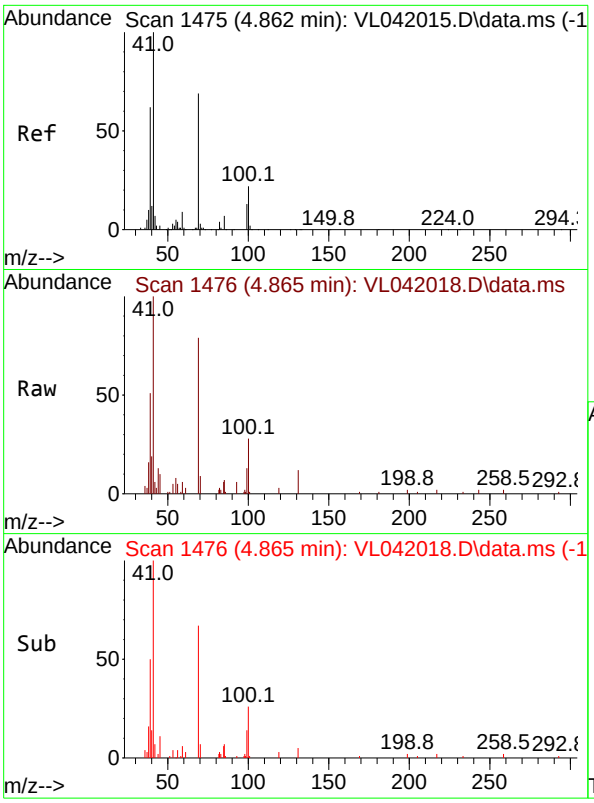


#42
Bromodichloromethane
Concen: 0.499 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 83 Resp: 13050

Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.3	79.9
127	3.7	6.0	9.0#



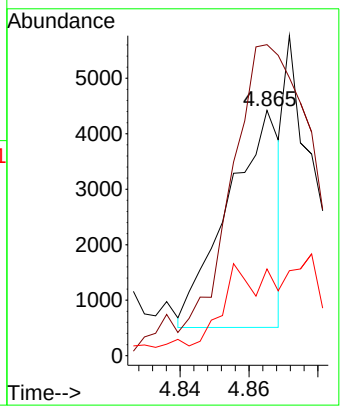


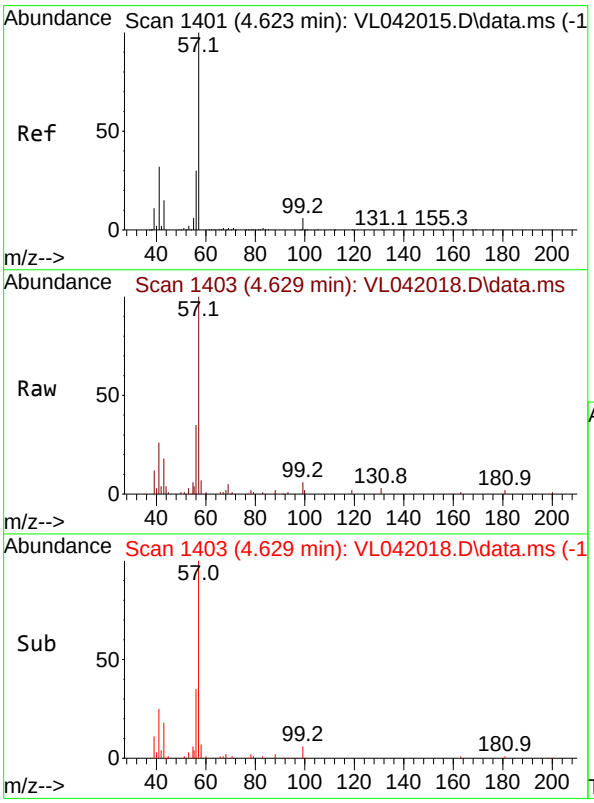
#43
Methyl Methacrylate
Concen: 0.267 ppbv
RT: 4.865 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 4073

Ion	Ratio	Lower	Upper
69	100		
41	281.5	114.9	172.3#
100	0.0	28.8	43.2#

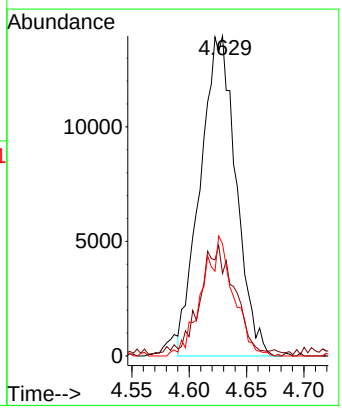


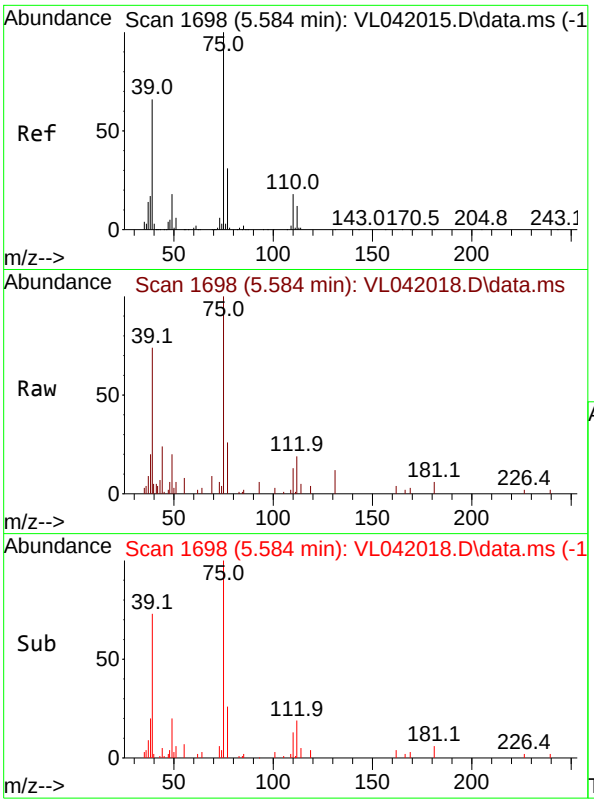


#44
2,2,4-Trimethylpentane
Concen: 0.527 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. 0.006 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 57 Resp: 30320

Ion	Ratio	Lower	Upper
57	100		
41	36.2	25.9	38.9
56	32.9	24.9	37.3



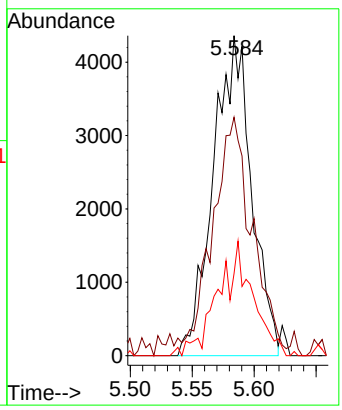


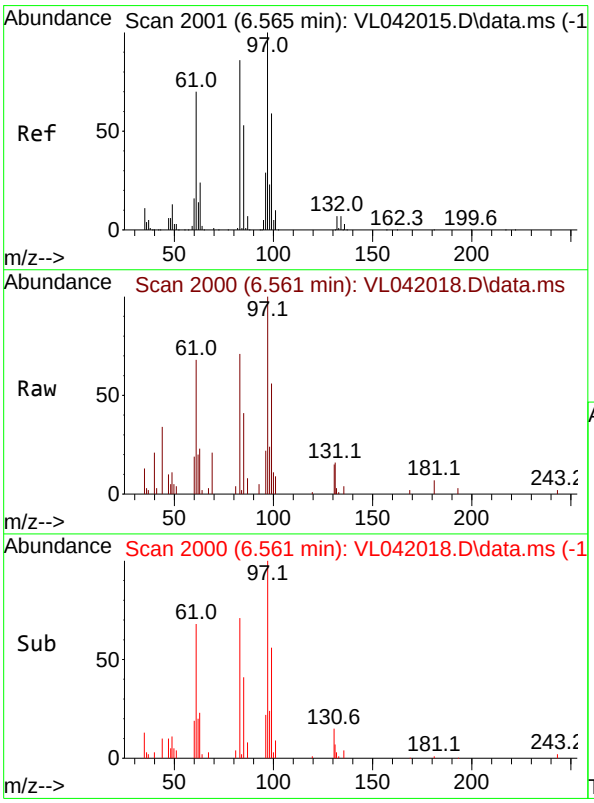
#46
cis-1,3-Dichloropropene
Concen: 0.507 ppbv
RT: 5.584 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 9394

Ion	Ratio	Lower	Upper
75	100		
39	69.0	52.2	78.4
77	23.0	24.5	36.7#

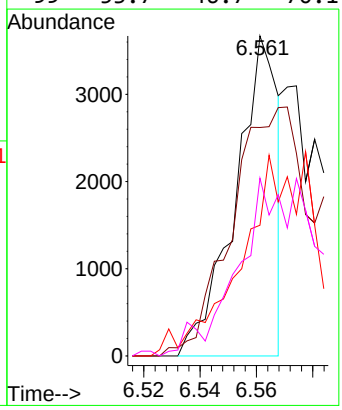


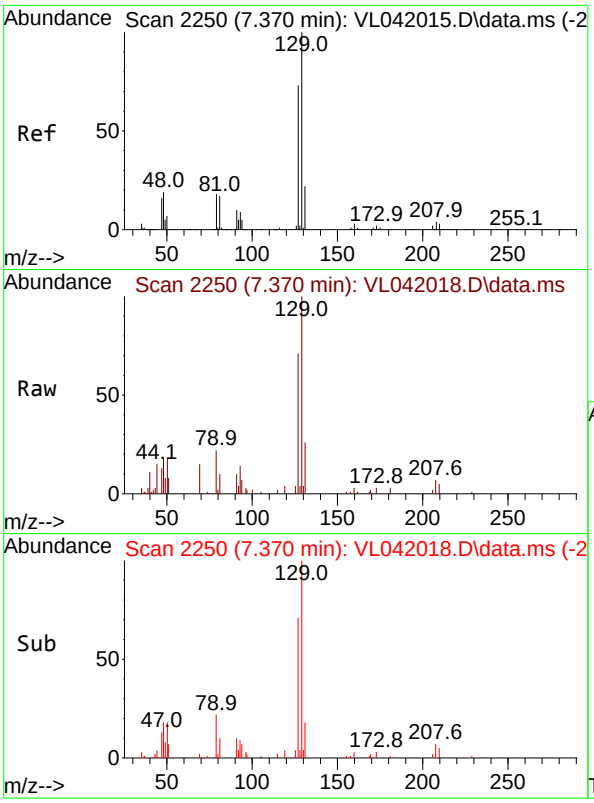


#47
1,1,2-Trichloroethane
Concen: 0.294 ppbv
RT: 6.561 min Scan# 2000
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 97 Resp: 3850

Ion	Ratio	Lower	Upper
97	100		
83	68.8	68.6	102.8
85	38.4	42.2	63.4#
99	53.7	46.7	70.1



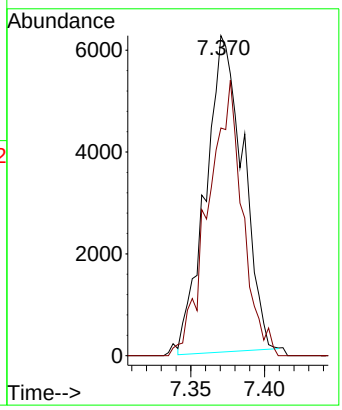


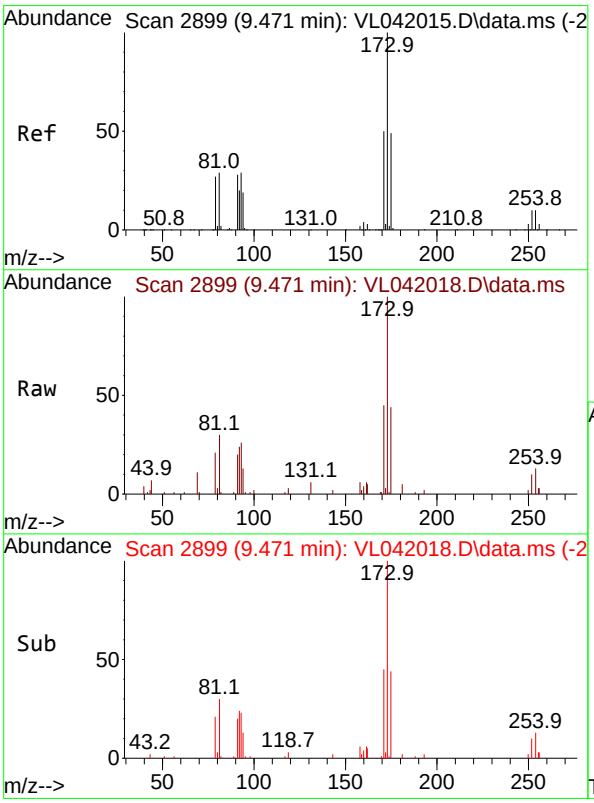
#48
Dibromochloromethane
Concen: 0.505 ppbv
RT: 7.370 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:129 Resp: 10984

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.2	114.6

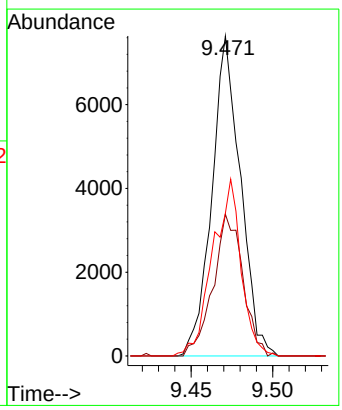


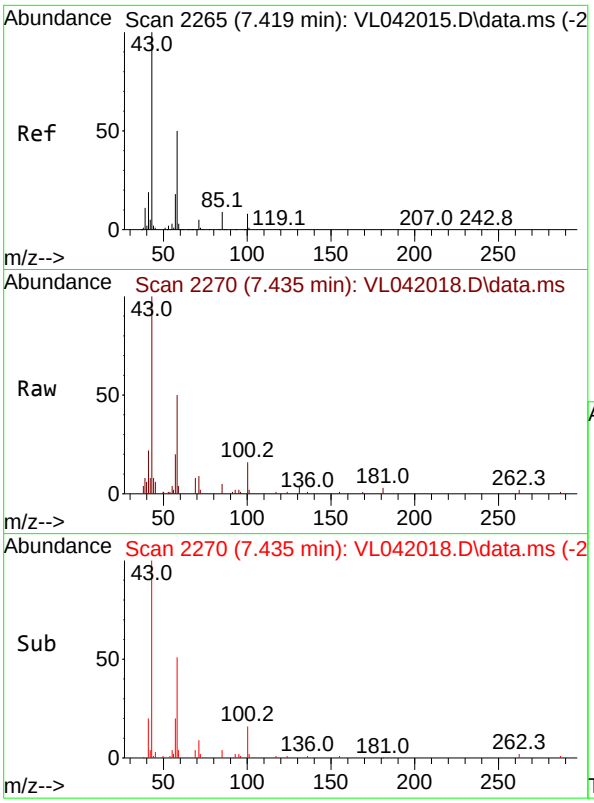


#49
Bromoform
Concen: 0.517 ppbv
RT: 9.471 min Scan# 2899
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:173 Resp: 9300

Ion	Ratio	Lower	Upper
173	100		
175	46.2	39.3	58.9
171	54.8	41.4	62.2



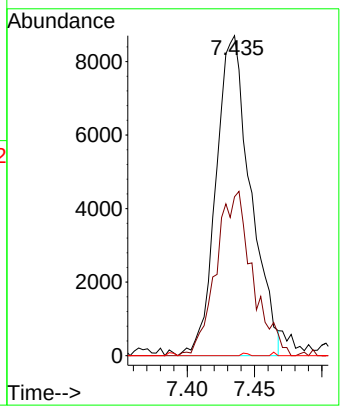


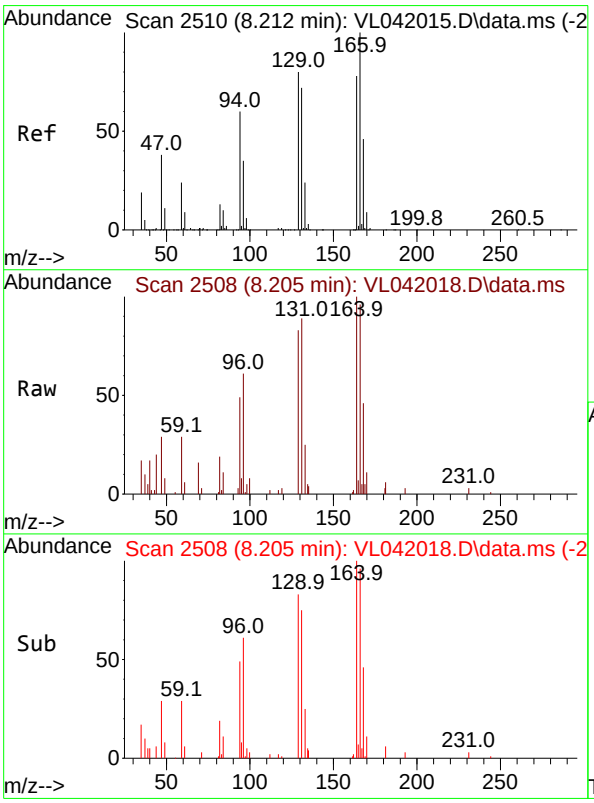
#51
2-Hexanone
Concen: 0.506 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 15525

Ion	Ratio	Lower	Upper
43	100		
58	54.5	41.4	62.0
98	0.3	0.0	0.0#

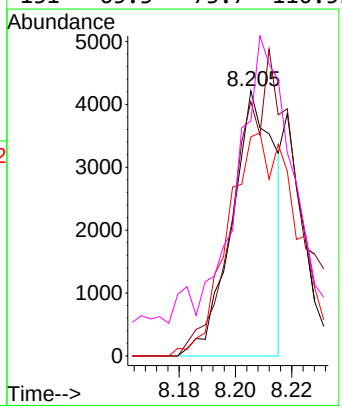


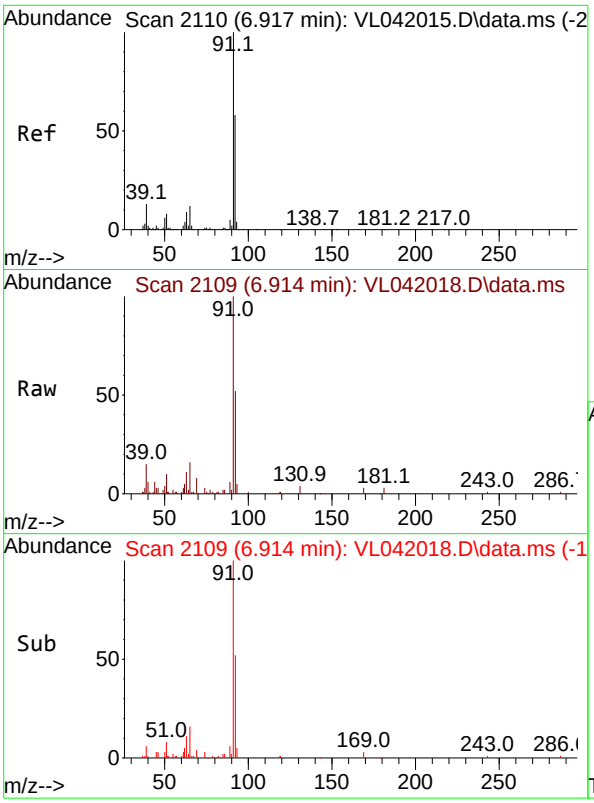


#52
Tetrachloroethene
Concen: 0.376 ppbv
RT: 8.205 min Scan# 2508
Delta R.T. -0.007 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:164 Resp: 4446

Ion	Ratio	Lower	Upper
164	100		
166	95.9	102.2	153.2#
129	79.7	82.2	123.4#
131	65.3	73.7	110.5#



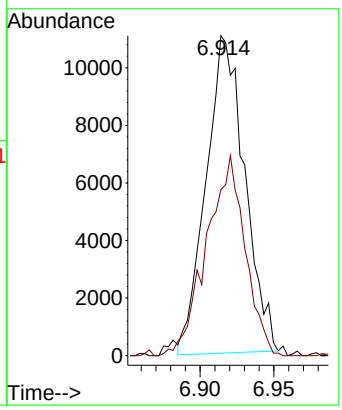


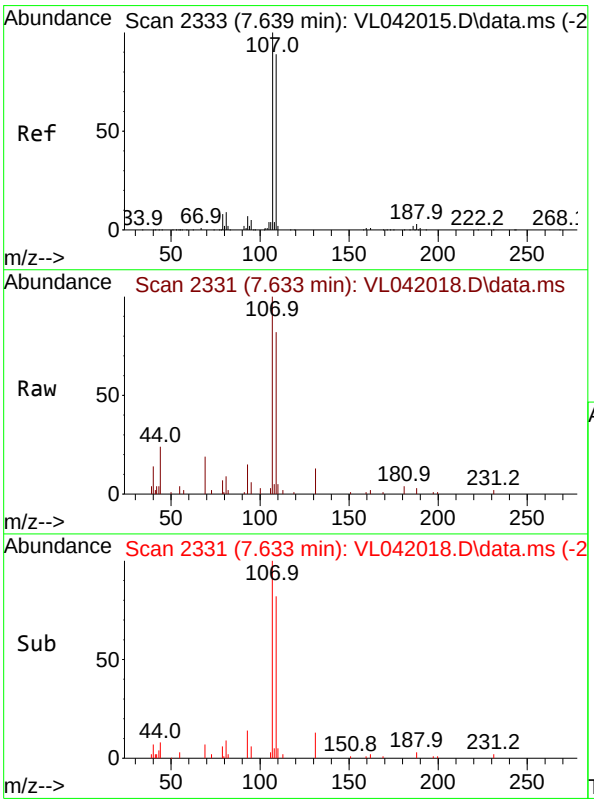
#53
Toluene
Concen: 0.502 ppbv
RT: 6.914 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 20150

Ion	Ratio	Lower	Upper
91	100		
92	63.0	47.5	71.3

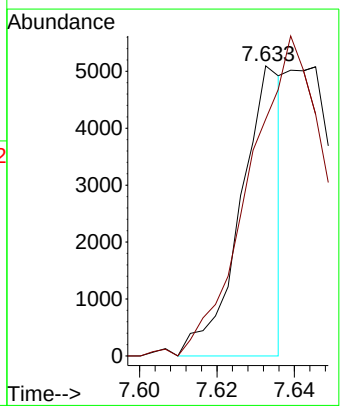


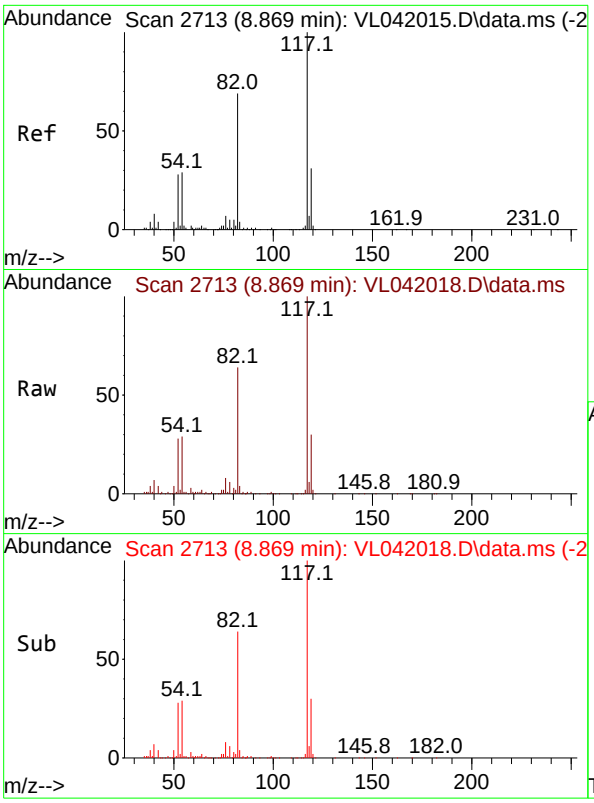


#54
1,2-Dibromoethane
Concen: 0.206 ppbv
RT: 7.633 min Scan# 2331
Delta R.T. -0.006 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:107 Resp: 3760

Ion	Ratio	Lower	Upper
107	100		
109	81.6	71.5	107.3



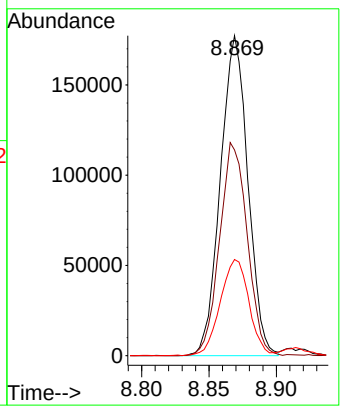


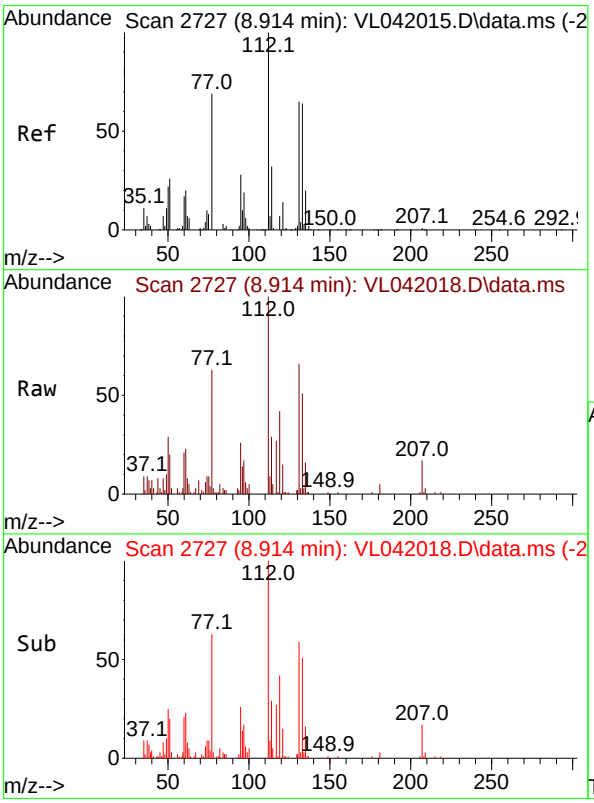
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 251709

Ion	Ratio	Lower	Upper
117	100		
82	67.3	55.7	83.5
119	31.9	25.2	37.8

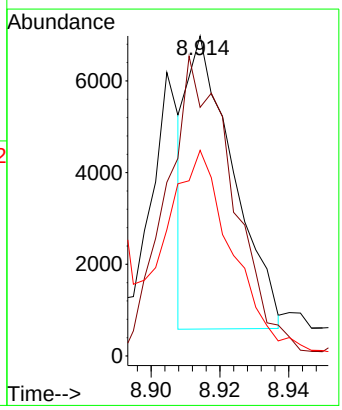


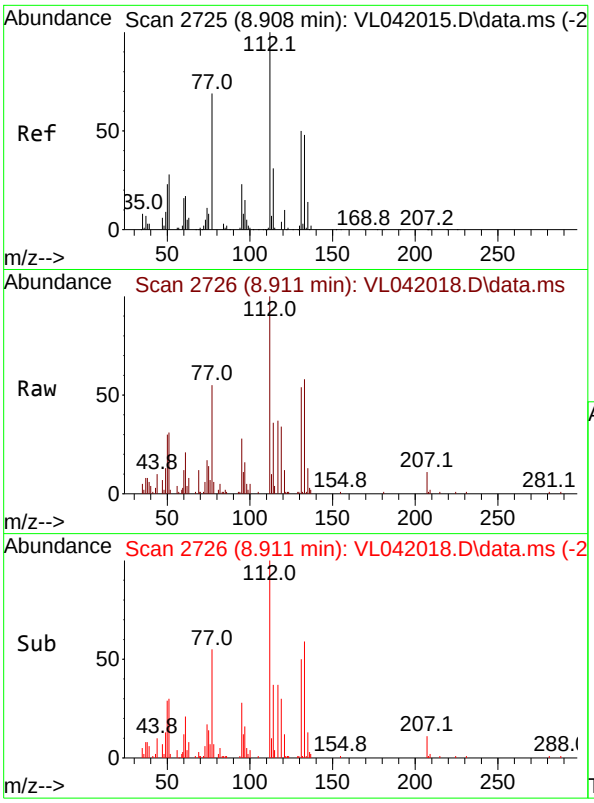


#56
1,1,1,2-Tetrachloroethane
Concen: 0.332 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:131 Resp: 5963

Ion	Ratio	Lower	Upper
131	100		
133	152.0	77.8	116.8#
119	88.7	49.1	73.7#



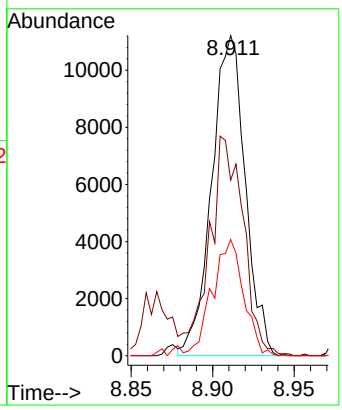


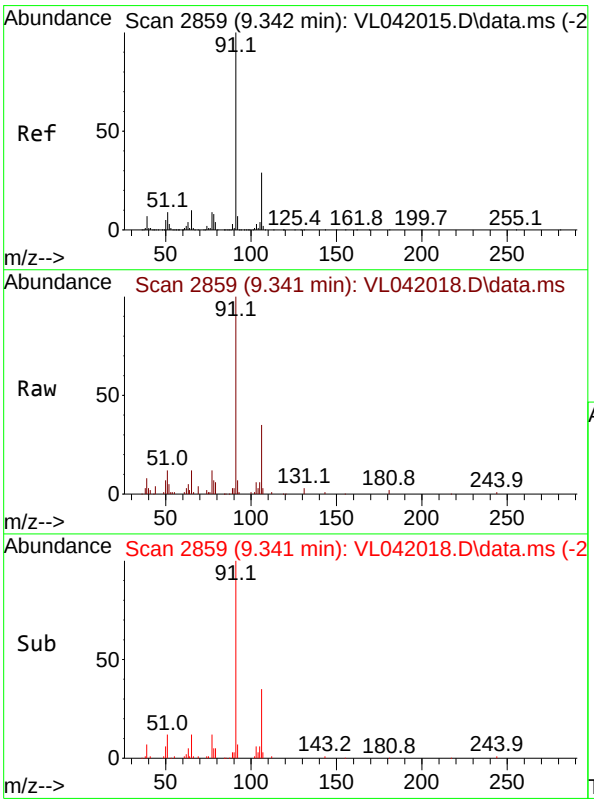
#57
Chlorobenzene
Concen: 0.542 ppbv
RT: 8.911 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 16052

Ion	Ratio	Lower	Upper
112	100		
77	54.2	56.2	84.2#
114	36.3	28.2	34.4#

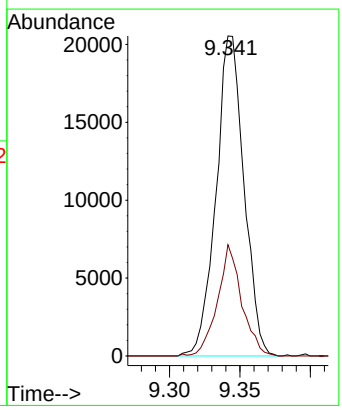


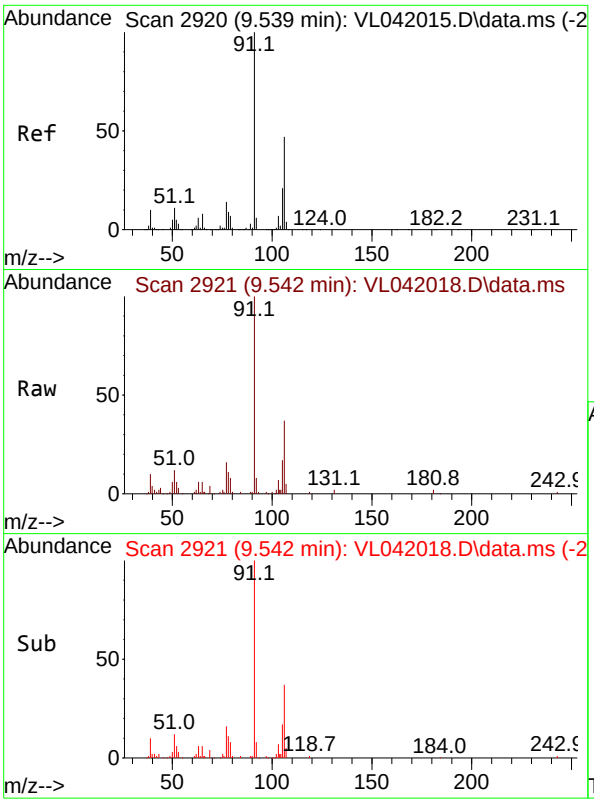


#58
Ethyl Benzene
Concen: 0.516 ppbv
RT: 9.341 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 91 Resp: 28422

Ion	Ratio	Lower	Upper
91	100		
106	34.7	23.1	34.7#



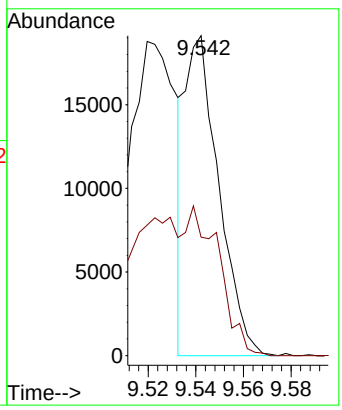


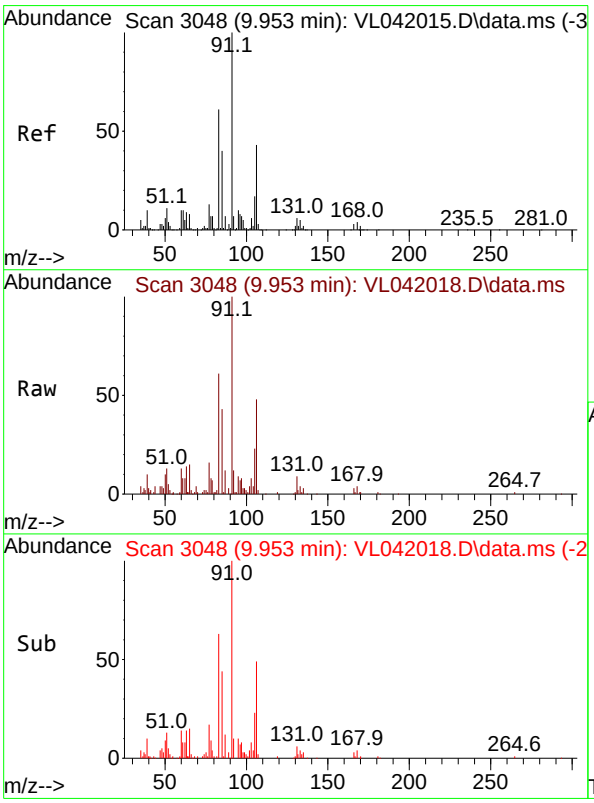
#59
m/p-Xylene
Concen: 0.434 ppbv
RT: 9.542 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 18847

Ion	Ratio	Lower	Upper
91	100		
106	116.1	35.8	53.8#

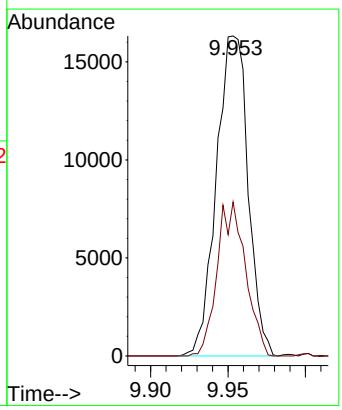


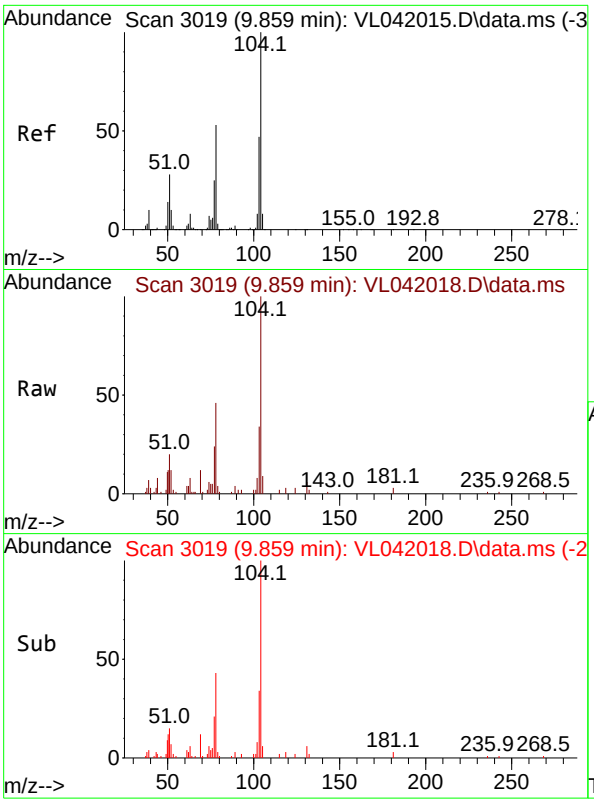


#60
o-Xylene
Concen: 0.531 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 91 Resp: 23290

Ion	Ratio	Lower	Upper
91	100		
106	43.0	21.4	64.3



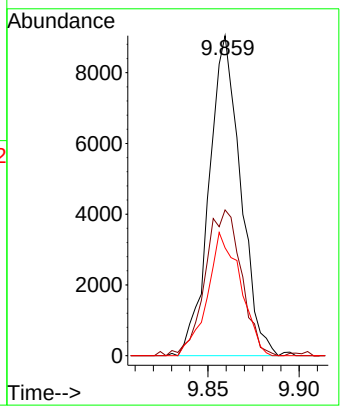


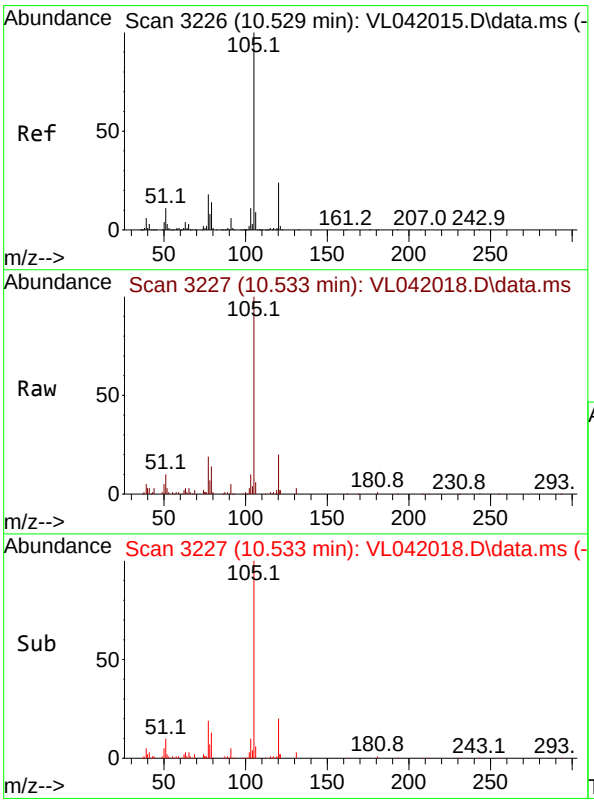
#61
Styrene
Concen: 0.518 ppbv
RT: 9.859 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 10850

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.2	63.4
103	40.6	38.1	57.1

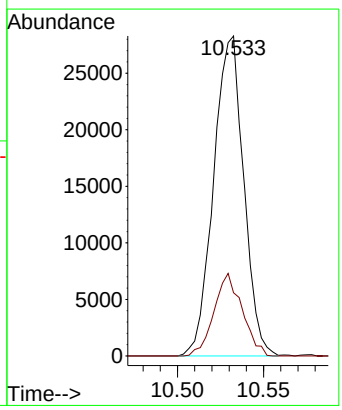


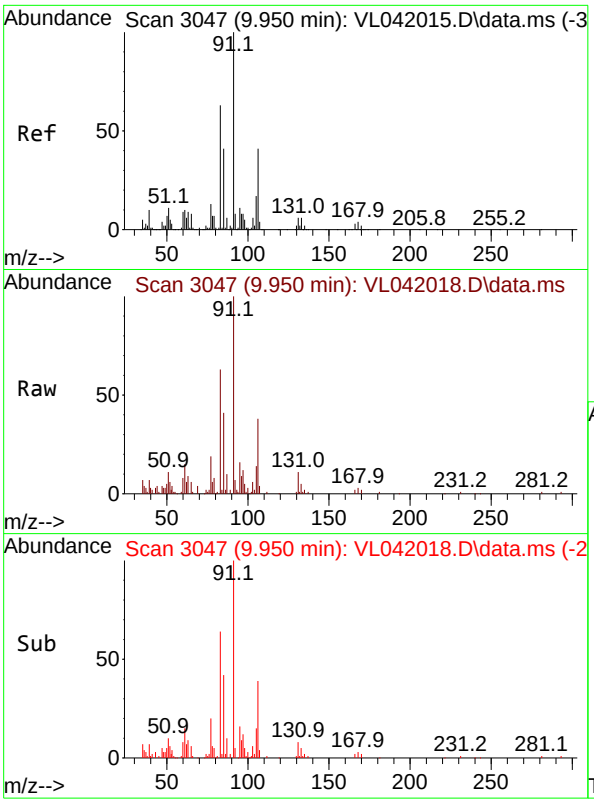


#62
Isopropylbenzene
Concen: 0.523 ppbv
RT: 10.533 min Scan# 3227
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:105 Resp: 34447

Ion	Ratio	Lower	Upper
105	100		
120	24.2	19.8	29.8



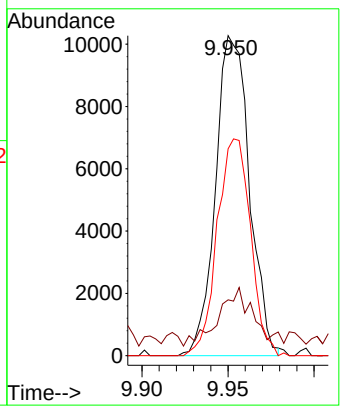


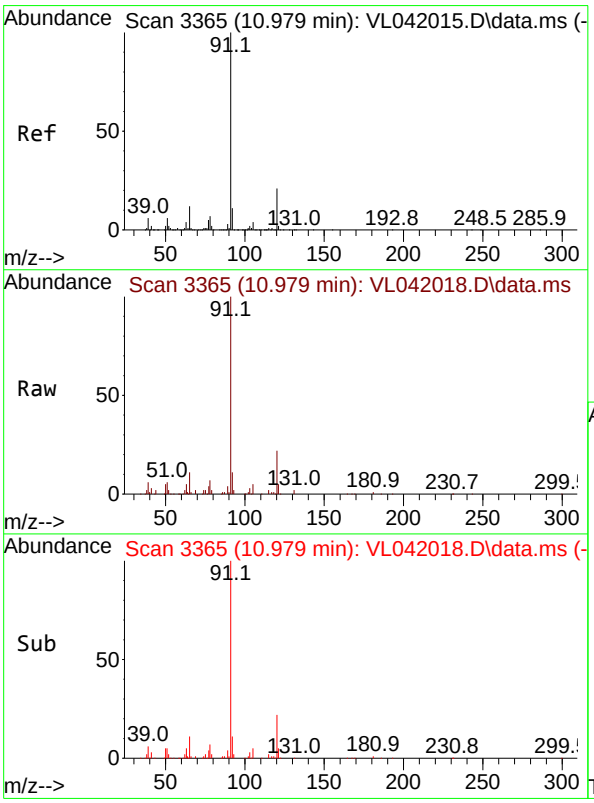
#63
1,1,2,2-Tetrachloroethane
Concen: 0.498 ppbv
RT: 9.950 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 14087

Ion	Ratio	Lower	Upper
83	100		
131	24.3	5.0	15.0#
85	66.7	32.1	96.3

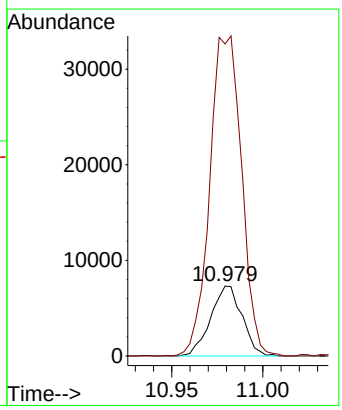


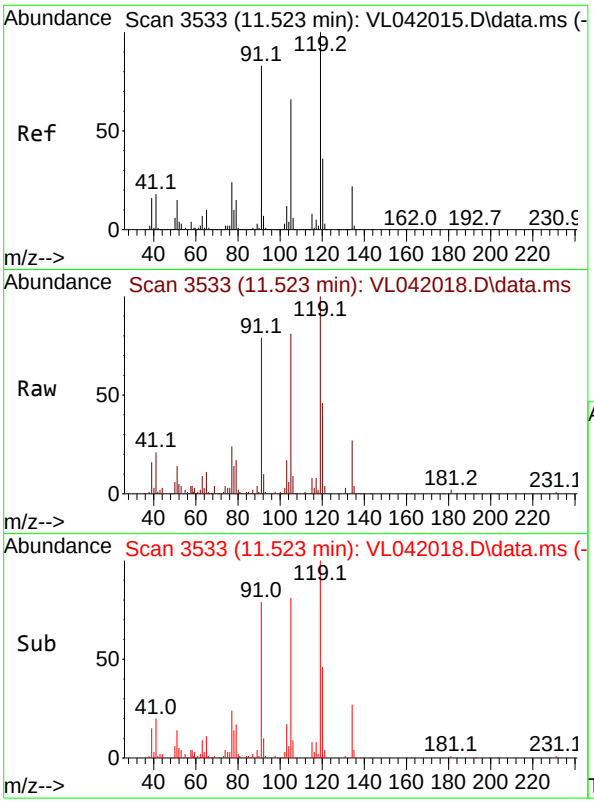


#64
n-propylbenzene
Concen: 0.540 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:120 Resp: 8738

Ion	Ratio	Lower	Upper
120	100		
91	466.9	392.2	588.2



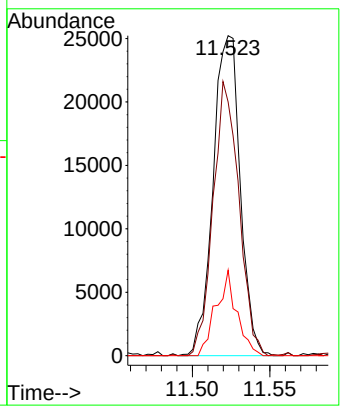


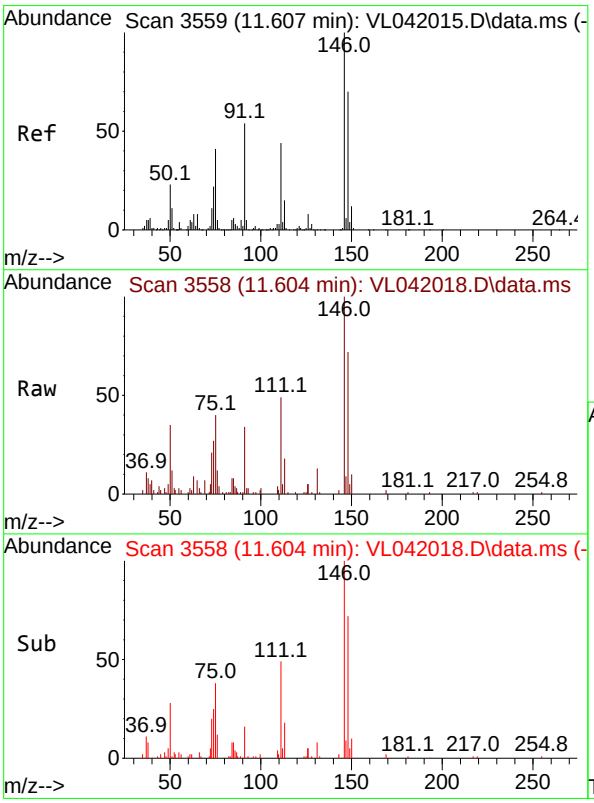
#65
tert-Butylbenzene
Concen: 0.534 ppbv
RT: 11.523 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 30694

Ion	Ratio	Lower	Upper
119	100		
91	81.7	66.5	99.7
134	20.3	16.6	24.8

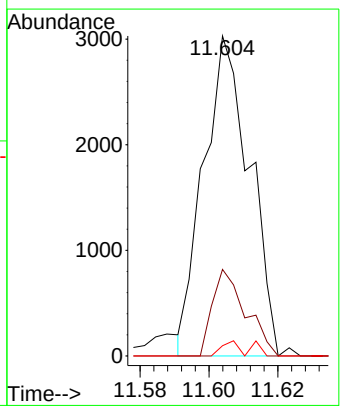


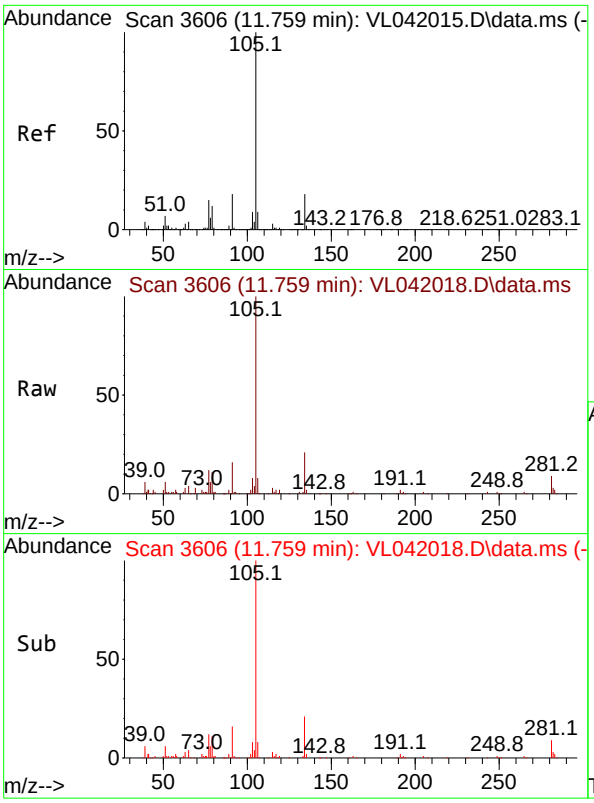


#66
Benzyl Chloride
Concen: 0.486 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 91 Resp: 2816

Ion	Ratio	Lower	Upper
91	100		
126	19.6	13.8	20.6
128	2.6	4.1	6.1#



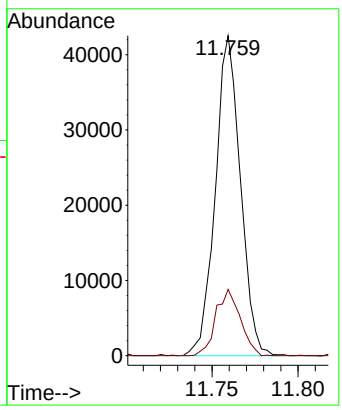


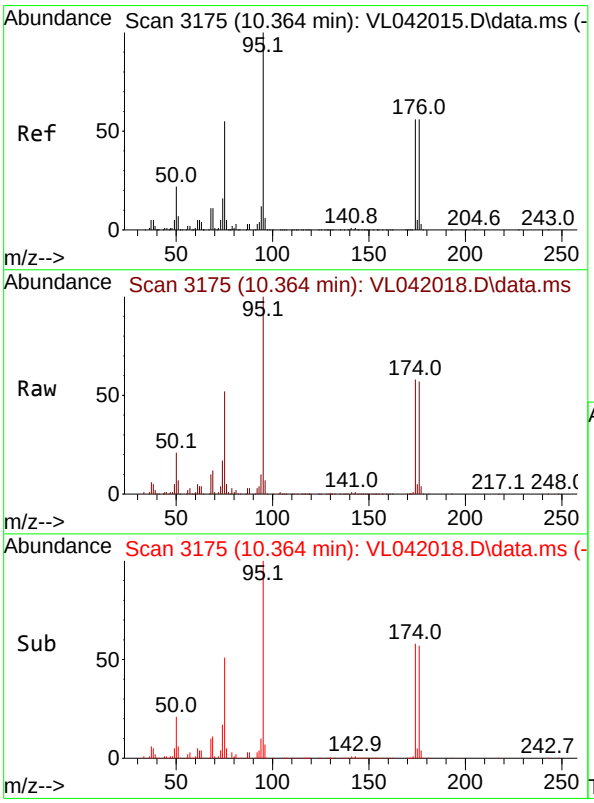
#67
sec-Butylbenzene
Concen: 0.535 ppbv
RT: 11.759 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 43185

Ion	Ratio	Lower	Upper
105	100		
134	20.2	14.7	22.1

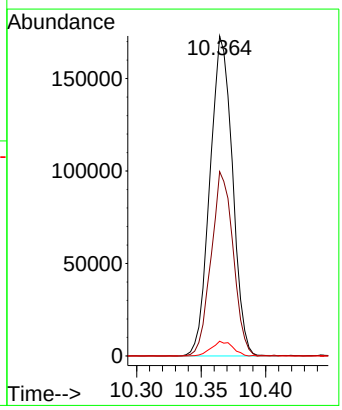


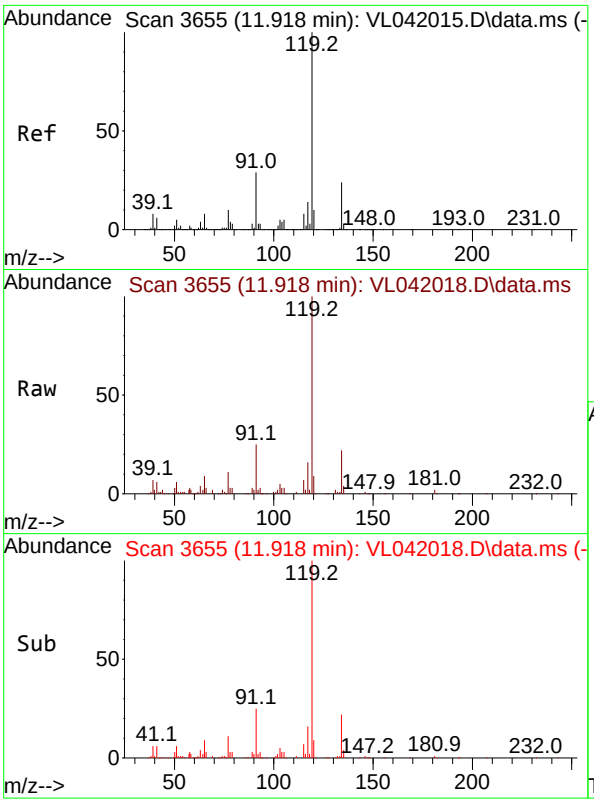


#68
1-Bromo-4-Fluorobenzene
Concen: 10.108 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 95 Resp: 209868

Ion	Ratio	Lower	Upper
95	100		
174	56.5	46.7	70.1
175	4.4	3.7	5.5



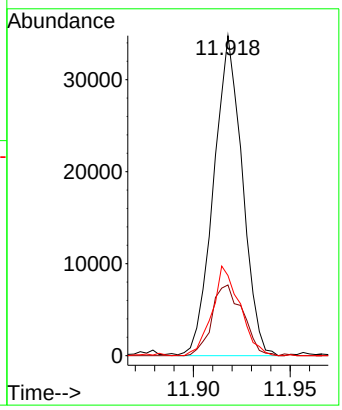


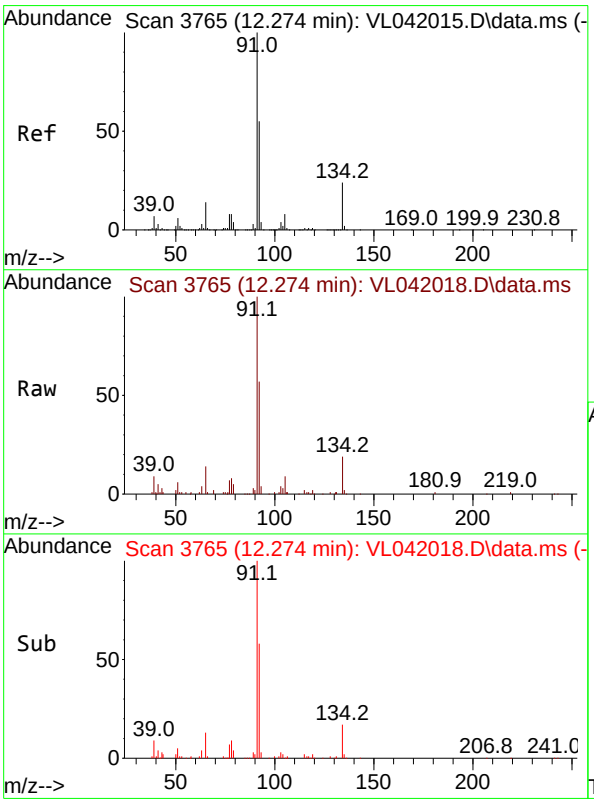
#69
p-Isopropyltoluene
Concen: 0.543 ppbv
RT: 11.918 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 35836

Ion	Ratio	Lower	Upper
119	100		
134	24.1	19.4	29.0
91	27.6	23.4	35.2

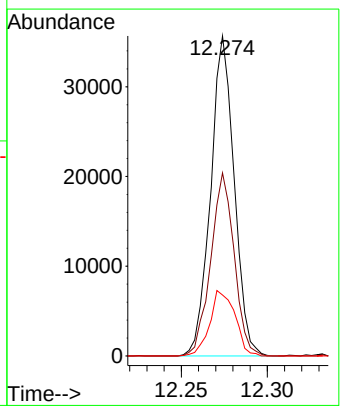


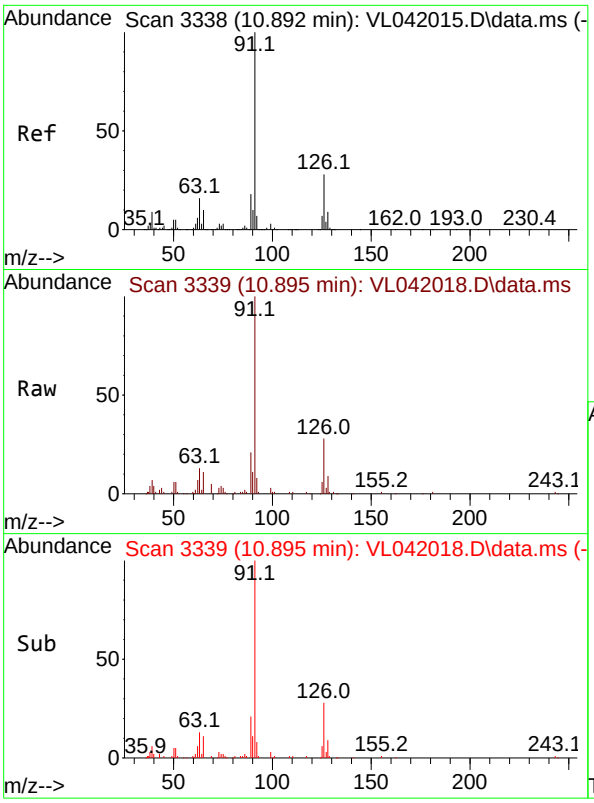


#70
n-Butylbenzene
Concen: 0.522 ppbv
RT: 12.274 min Scan# 3765
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion: 91 Resp: 33989

Ion	Ratio	Lower	Upper
91	100		
92	56.9	43.8	65.8
134	21.9	18.6	27.8



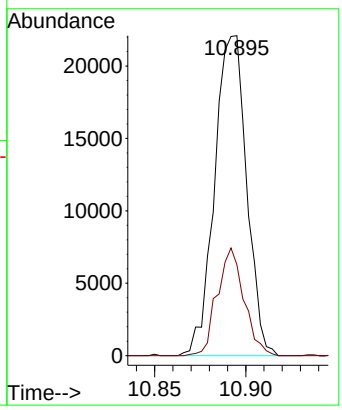


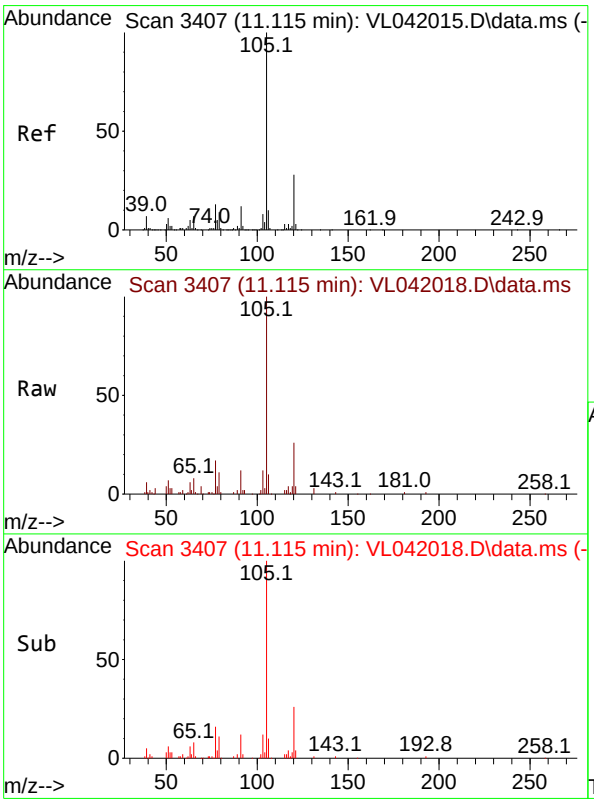
#71
2-Chlorotoluene
Concen: 0.546 ppbv
RT: 10.895 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 27104

Ion	Ratio	Lower	Upper
91	100		
126	28.1	11.2	45.0

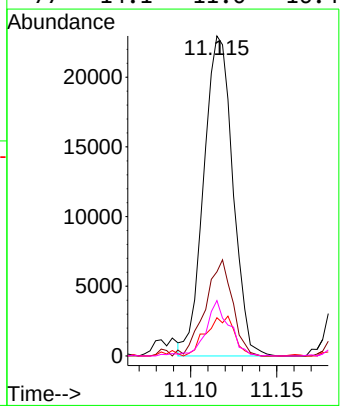


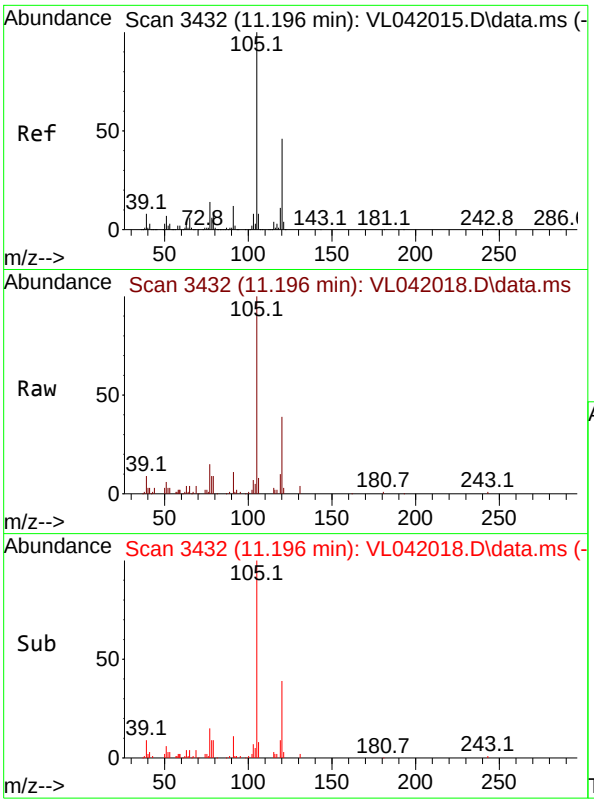


#72
4-Ethyltoluene
Concen: 0.523 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:105 Resp: 26931

Ion	Ratio	Lower	Upper
105	100		
120	28.9	22.7	34.1
91	13.3	10.2	15.2
77	14.1	11.0	16.4



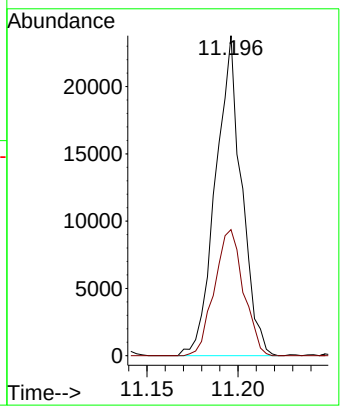


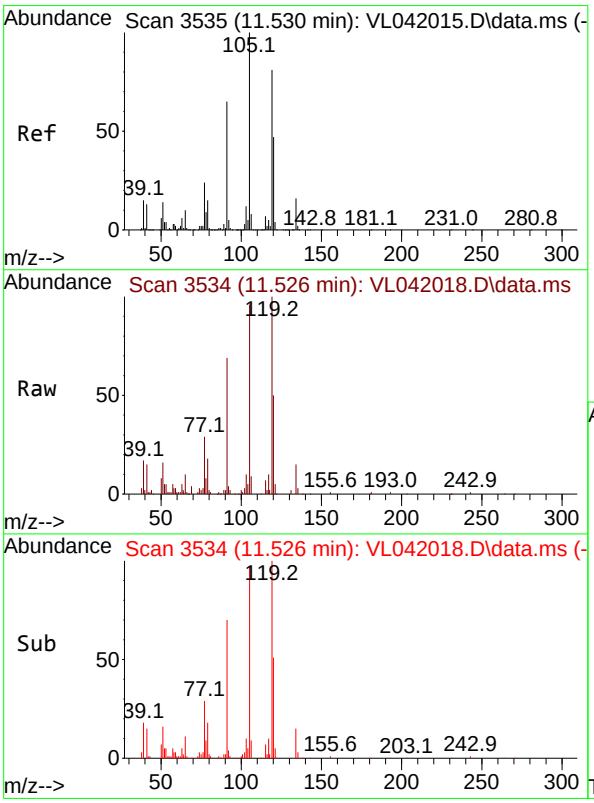
#73
1,3,5-Trimethylbenzene
Concen: 0.533 ppbv
RT: 11.196 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 23624

Ion	Ratio	Lower	Upper
105	100		
120	39.4	37.1	55.7

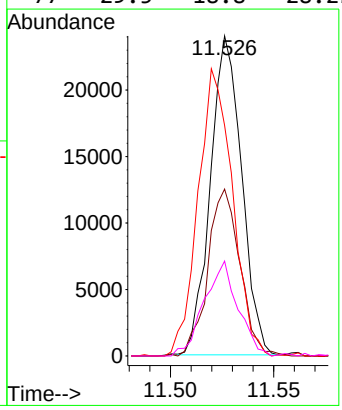


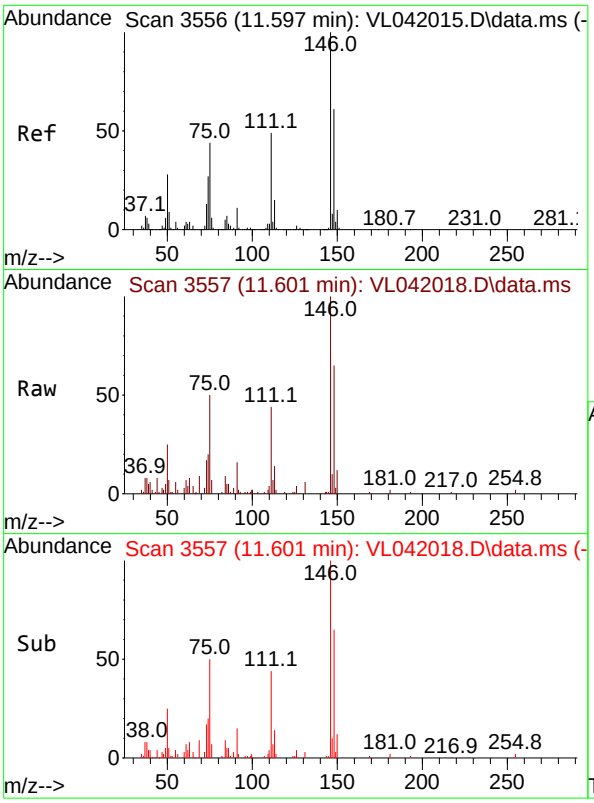


#74
1,2,4-Trimethylbenzene
Concen: 0.531 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:105 Resp: 25288

Ion	Ratio	Lower	Upper
105	100		
120	51.9	37.5	56.3
91	71.9	51.7	77.5
77	29.5	18.8	28.2#



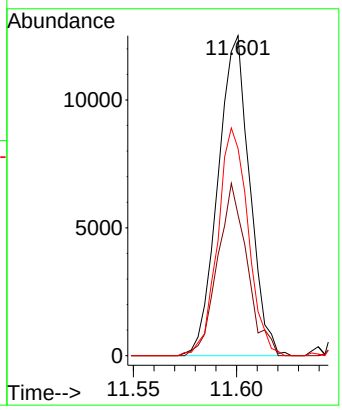


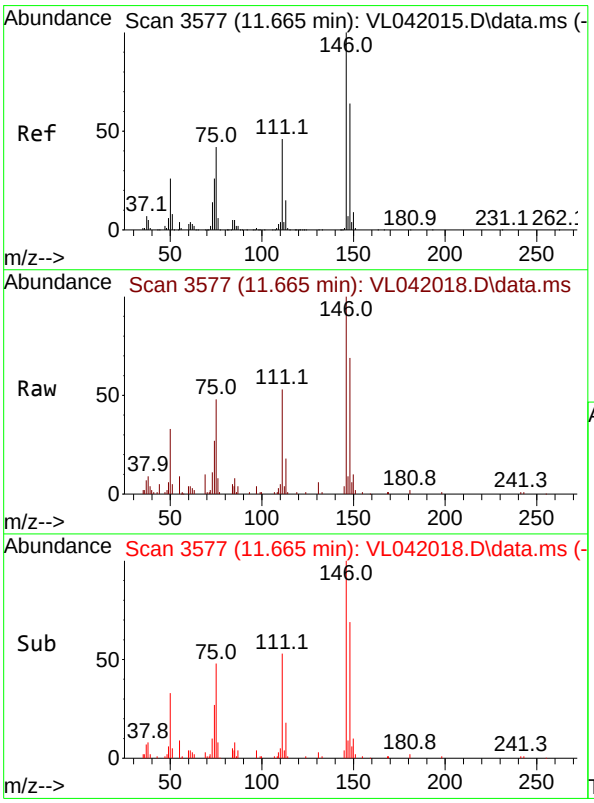
#75
1,3-Dichlorobenzene
Concen: 0.521 ppbv
RT: 11.601 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 13359

Ion	Ratio	Lower	Upper
146	100		
111	50.1	23.9	71.7
148	68.2	31.5	94.5

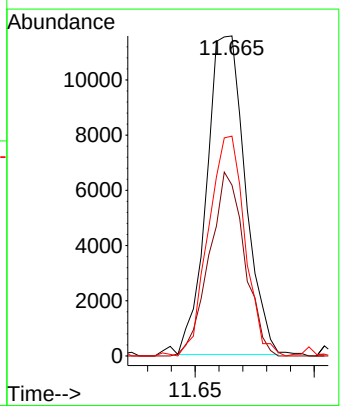


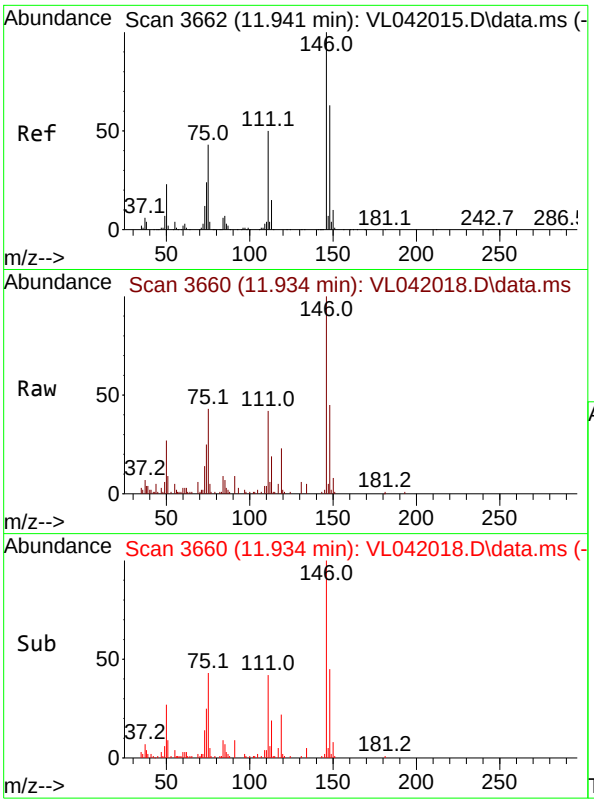


#76
1,4-Dichlorobenzene
Concen: 0.520 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:146 Resp: 12997

Ion	Ratio	Lower	Upper
146	100		
111	52.8	23.5	70.5
148	66.3	32.3	96.9



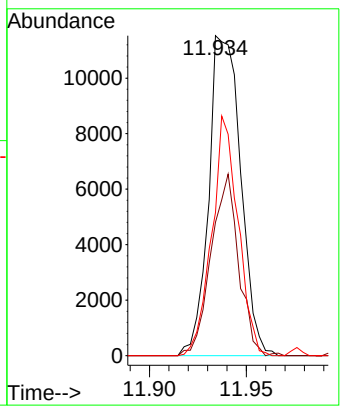


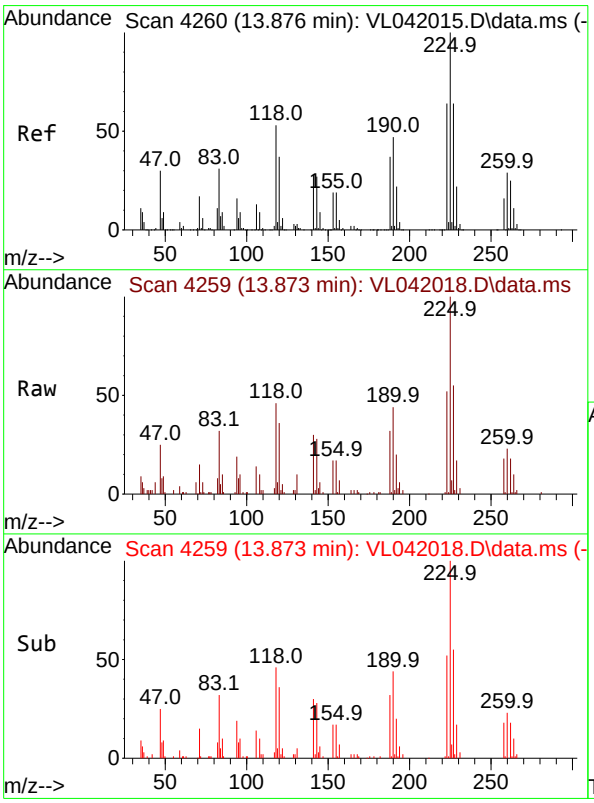
#77
1,2-Dichlorobenzene
Concen: 0.539 ppbv
RT: 11.934 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 13212

Ion	Ratio	Lower	Upper
146	100		
111	49.0	25.6	76.8
148	61.8	31.9	95.7

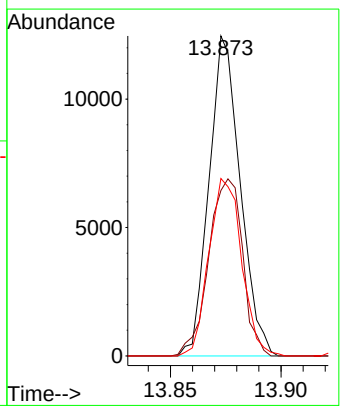


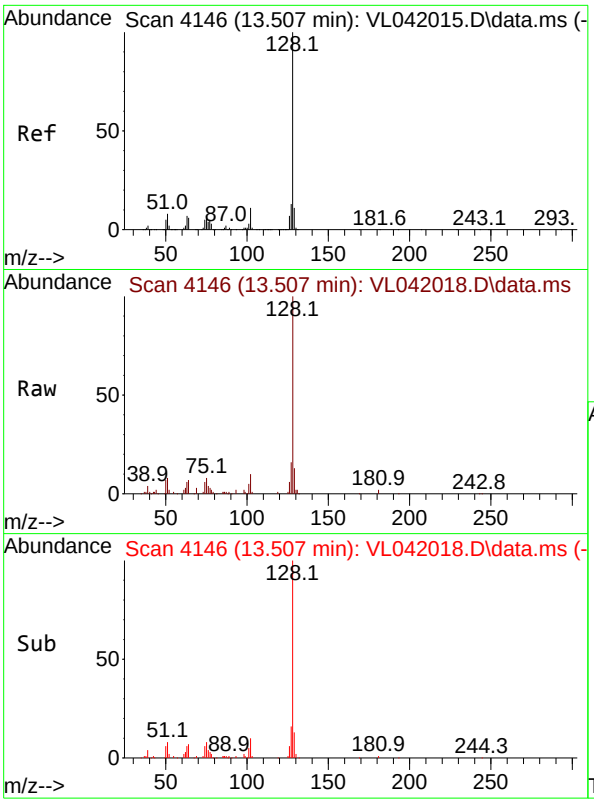


#78
Hexachloro-1,3-Butadiene
Concen: 0.603 ppbv
RT: 13.873 min Scan# 4259
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:225 Resp: 12224

Ion	Ratio	Lower	Upper
225	100		
223	60.0	50.6	75.8
227	58.1	50.9	76.3



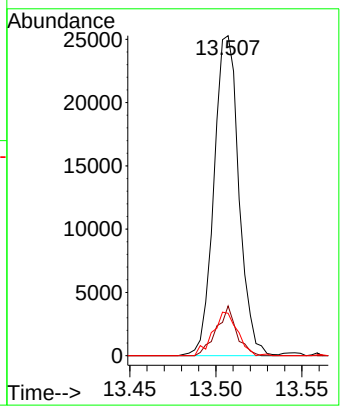


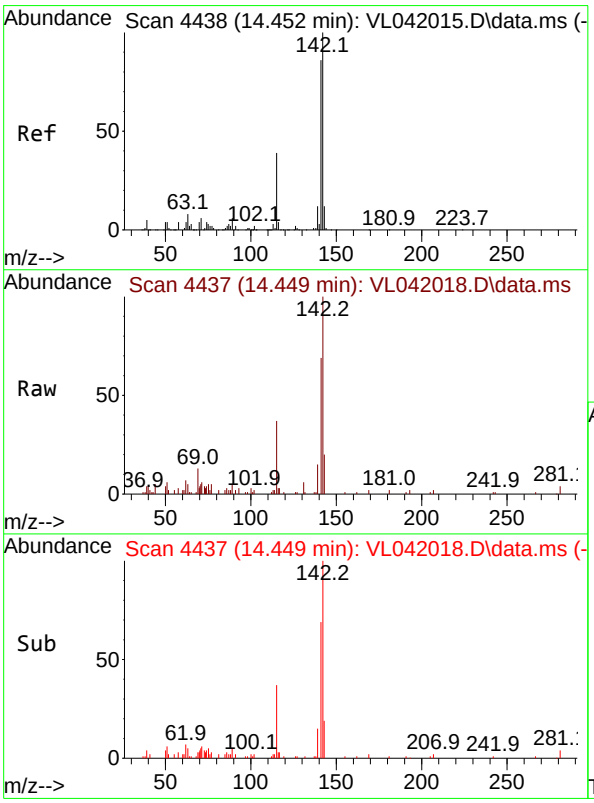
#79
Naphthalene
Concen: 0.544 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 25479

Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.2	15.2#
129	13.3	8.6	13.0#

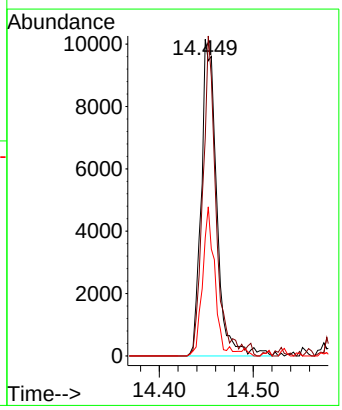


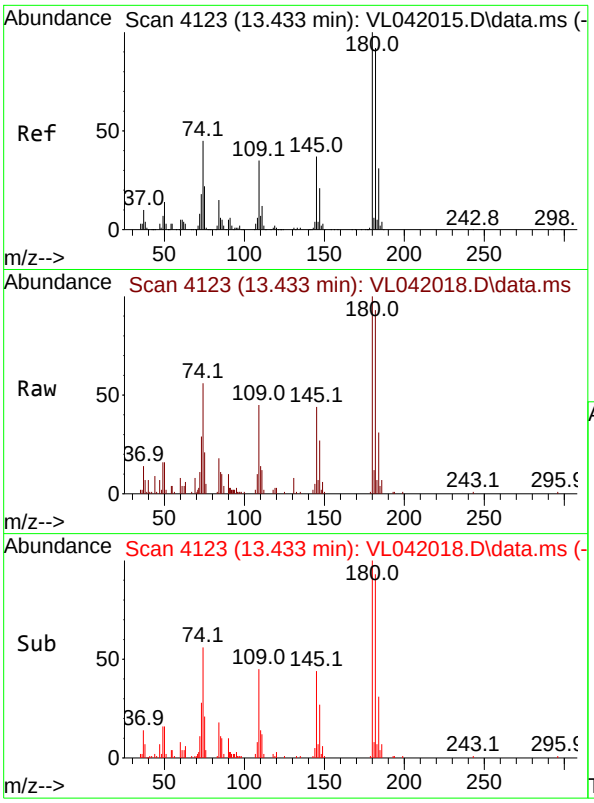


#80
Naphthalene,2-methyl-
Concen: 0.546 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. -0.003 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Tgt Ion:142 Resp: 11628

Ion	Ratio	Lower	Upper
142	100		
141	88.9	68.2	102.2
115	38.5	33.6	50.4





#81
1,2,4-Trichlorobenzene
Concen: 0.509 ppbv
RT: 13.433 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042018.D
Acq: 14 Feb 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 9689

Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.8	113.6
184	29.3	24.2	36.4