Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042946.D
Acq On : 18 Sep 2025 15:13
Operator : SY/MD
Sample : Q3111-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 19 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.793	49	170806	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.968	114	427405	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.891	117	360089	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	289519	10.286	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11241	0.461	ppbv		100
3) Chlorodifluoromethane	1.476	51	28133	1.095	ppbv	#	79
4) Chloromethane	1.534	50	5300	0.541	ppbv		95
6) Bromomethane	1.674	94	214	0.067	ppbv	#	38
7) Chloroethane	1.709	64	147	0.043	ppbv	#	39
9) Propene	1.560	41	53850	5.740	ppbv		97
10) Heptane	4.994	43	17417	0.749	ppbv	#	28
11) Trichlorofluoromethane	1.881	101	5252	0.218	ppbv		85
12) 1,1,2-Trichlorotrifluo...	2.143	101	1194	0.063	ppbv	#	76
13) Ethanol	1.725	45	502858	525.745	ppbv		94
15) Acetone	1.839	43	3079572	146.789	ppbv	#	72
16) 1,3-Butadiene	1.622	39	59447	6.774	ppbv	#	14
17) tert-Butyl alcohol	2.049	59	4852	0.240	ppbv	#	1
19) Isopropyl Alcohol	1.894	45	3097954	275.419	ppbv	#	1
20) Methylene Chloride	2.065	84	19877	2.176	ppbv		96
21) Allyl Chloride	1.968	41	161907	11.385	ppbv	#	51
22) trans-1,2-Dichloroethene	2.347	96	654	0.070	ppbv	#	74
23) Vinyl Acetate	2.479	43	121778	4.996	ppbv	#	42
25) Ethyl Acetate	2.842	43	331811	7.407	ppbv	#	94
26) Hexane	2.832	57	58843	3.061	ppbv	#	1
27) Carbon Disulfide	2.156	76	3878	0.164	ppbv	#	57
28) Methyl tert-Butyl Ether	2.437	73	722	0.068	ppbv	#	1
29) Chloroform	2.855	83	11077	0.352	ppbv		96
30) Cyclohexane	3.868	84	8573	0.592	ppbv		89
31) cis-1,2-Dichloroethene	2.845	61	36309	1.934	ppbv	#	24
34) 2-Butanone	2.564	43	111149	4.012	ppbv		99
35) Carbon Tetrachloride	3.768	117	1092	0.036	ppbv	#	87
36) Benzene	3.664	78	31365	0.841	ppbv		97
37) 1,2-Dichloroethane	3.227	62	14175	0.635	ppbv		99
39) 1,2-Dichloropropane	3.968	63	114543	7.602	ppbv	#	22
41) Tetrahydrofuran	3.065	42	40527	2.956	ppbv		96
42) Bromodichloromethane	4.506	83	1392	0.043	ppbv	#	88
43) Methyl Methacrylate	4.901	69	6978	0.559	ppbv	#	79
44) 2,2,4-Trimethylpentane	4.651	57	327844	5.272	ppbv		95
52) Tetrachloroethene	8.231	164	361	0.031	ppbv	#	12
53) Toluene	6.946	91	216732	6.234	ppbv		99
58) Ethyl Benzene	9.364	91	20956	0.452	ppbv		99
59) m/p-Xylene	9.558	91	15548	0.397	ppbv	#	30
60) o-Xylene	9.972	91	19080	0.490	ppbv		98
61) Styrene	9.878	104	13663	1.184	ppbv		91
69) p-Isopropyltoluene	11.930	119	1954	0.034	ppbv	#	78
70) n-Butylbenzene	12.053	91	5129	0.367	ppbv		94
72) 4-Ethyltoluene	11.134	105	1430	0.385	ppbv	#	51

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042946.D
Acq On : 18 Sep 2025 15:13
Operator : SY/MD
Sample : Q3111-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 19 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
73) 1,3,5-Trimethylbenzene	11.209	105	2029	0.053	ppbv		98
74) 1,2,4-Trimethylbenzene	11.545	105	8583	0.189	ppbv	#	56
76) 1,4-Dichlorobenzene	11.678	146	972	0.035	ppbv		97
77) 1,2-Dichlorobenzene	11.678	146	972	0.034	ppbv		96
78) Hexachloro-1,3-Butadiene	13.882	225	813	0.044	ppbv		88
79) Naphthalene	13.520	128	2685	0.418	ppbv	#	89
80) Naphthalene,2-methyl-	14.468	142	2456	0.911	ppbv		89
81) 1,2,4-Trichlorobenzene	13.445	180	853	0.461	ppbv	#	67

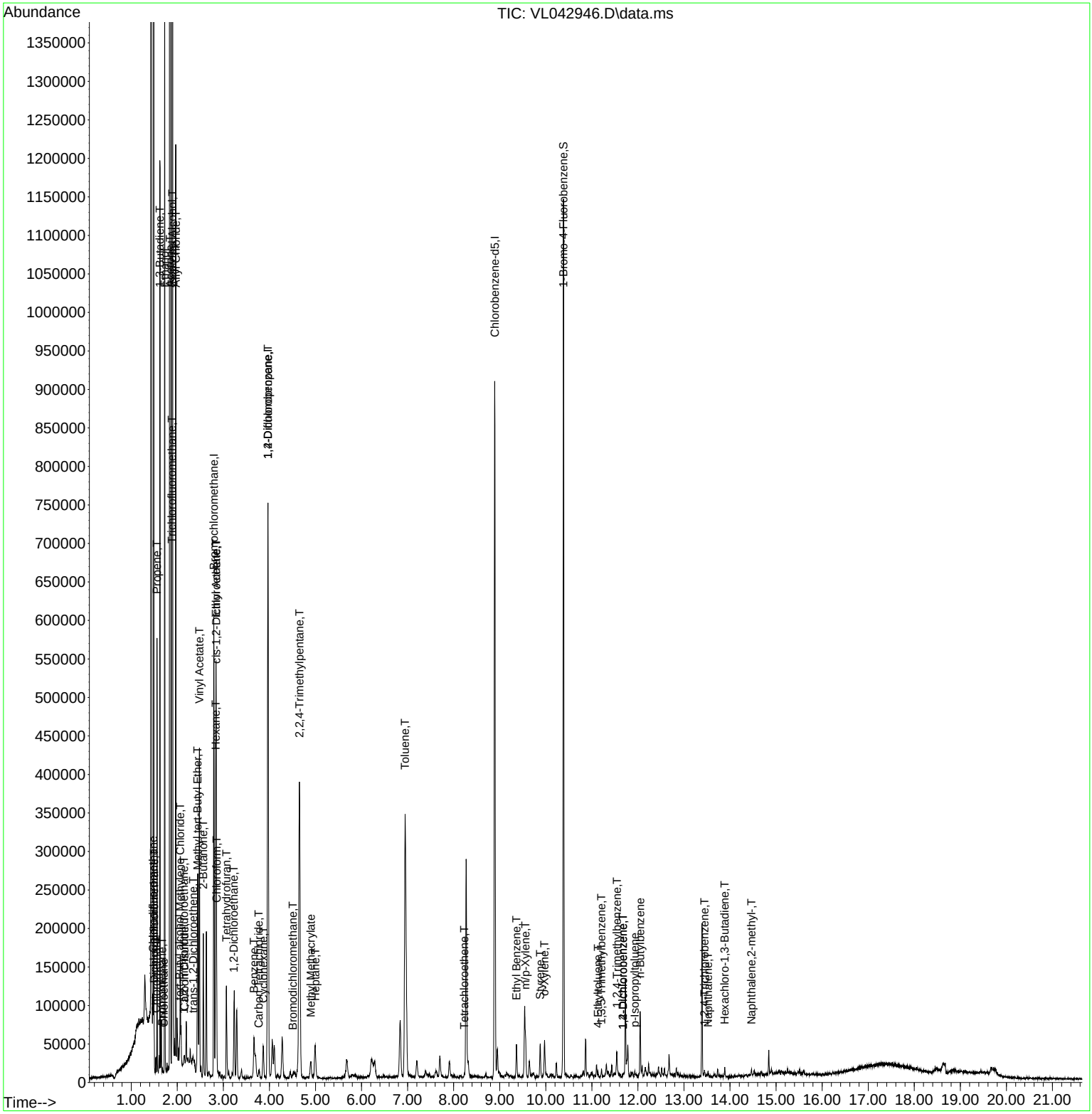
(#) = qualifier out of range (m) = manual integration (+) = signals summed

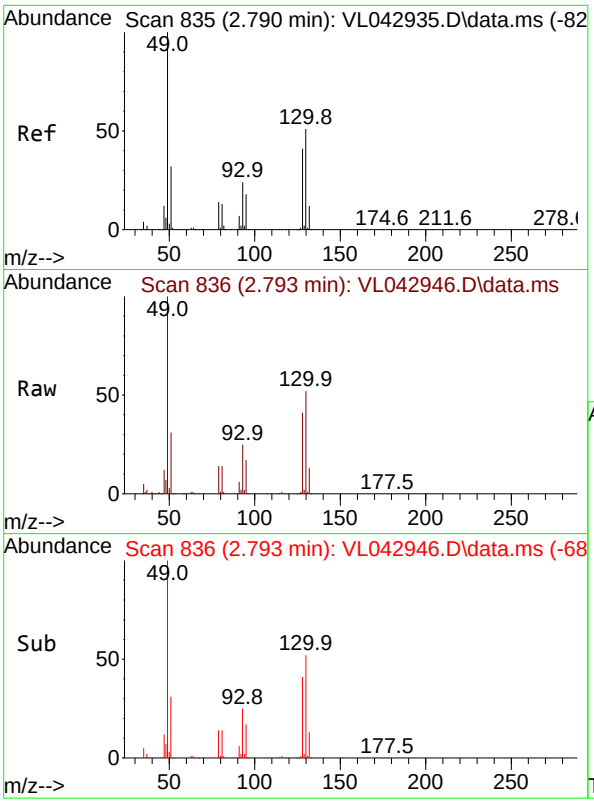
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042946.D
Acq On : 18 Sep 2025 15:13
Operator : SY/MD
Sample : Q3111-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 19 01:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration



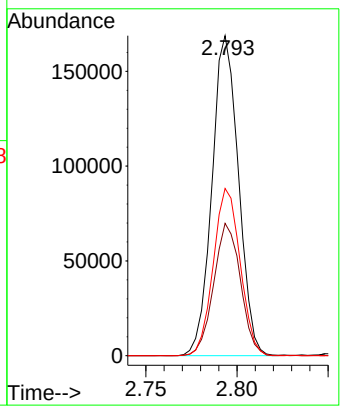


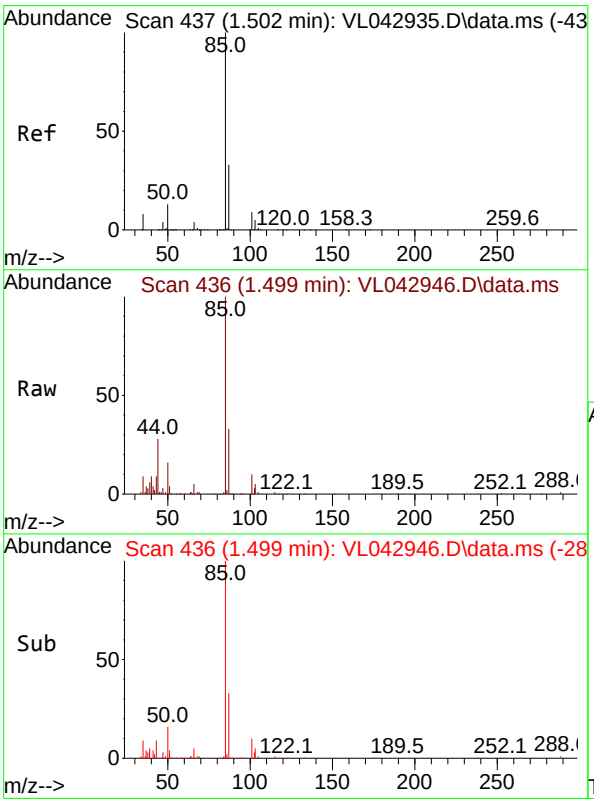
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 170806

Ion	Ratio	Lower	Upper
49	100		
128	41.8	21.1	63.4
130	52.8	26.4	79.2

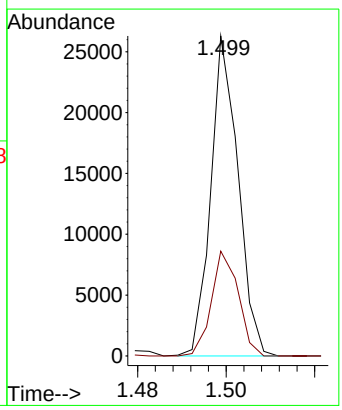


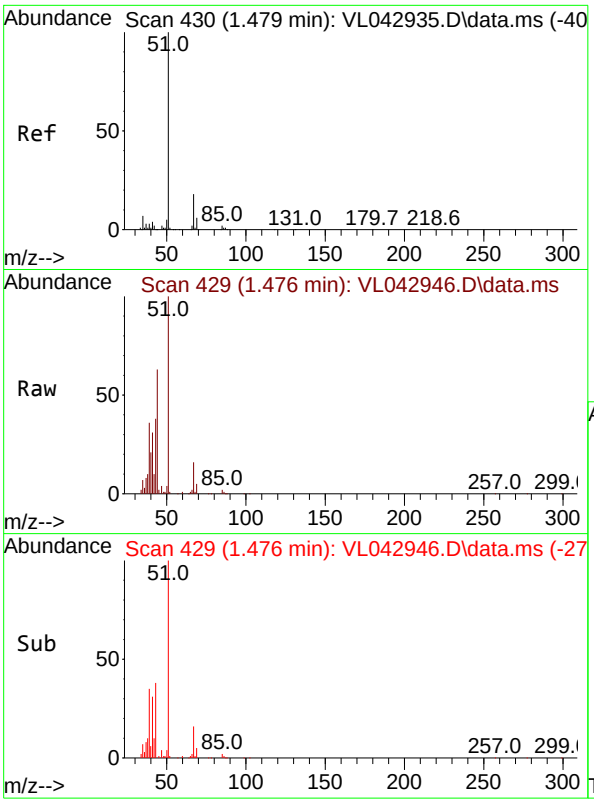


#2
Dichlorodifluoromethane
Concen: 0.461 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 85 Resp: 11241

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.1	39.1



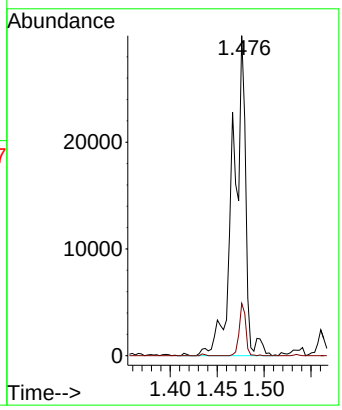


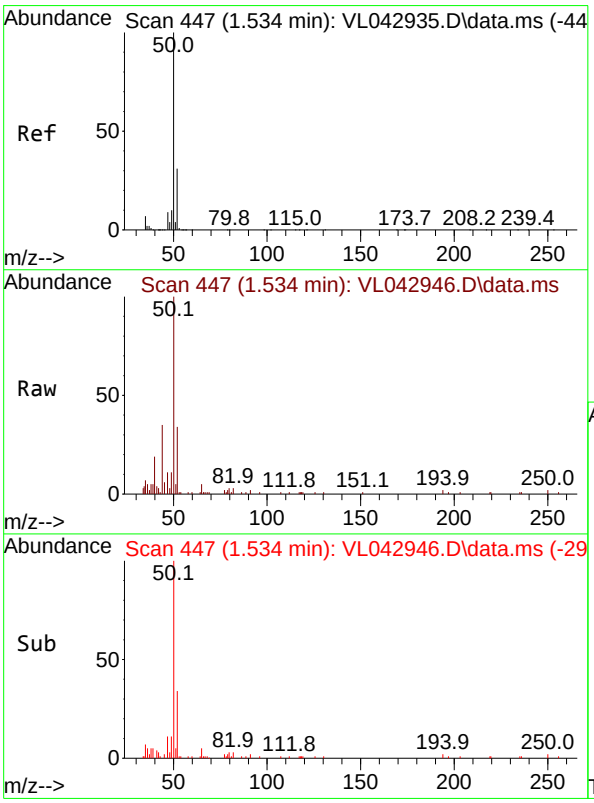
#3
Chlorodifluoromethane
Concen: 1.095 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 28133

Ion	Ratio	Lower	Upper
51	100		
67	8.4	14.1	21.1#

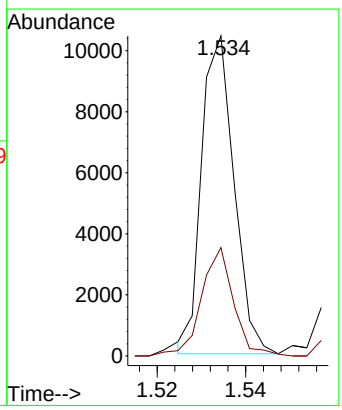


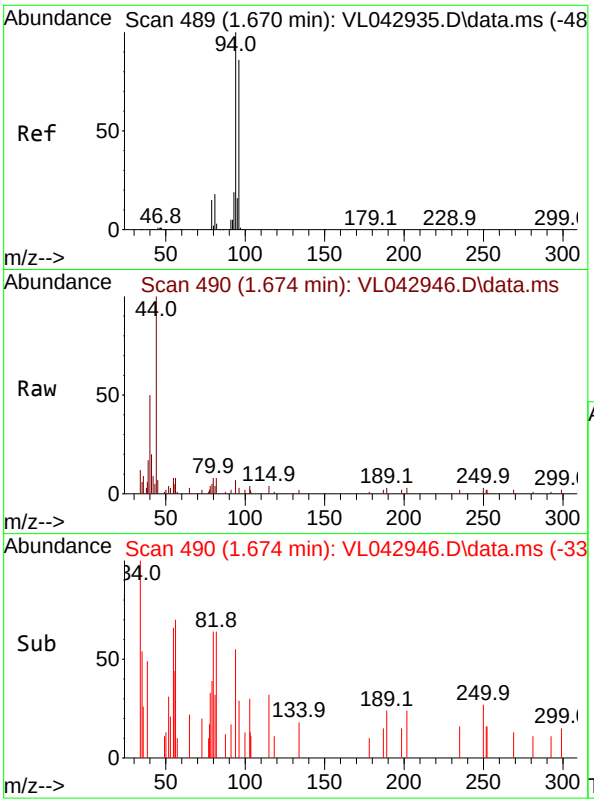


#4
Chloromethane
Concen: 0.541 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 50 Resp: 5300

Ion	Ratio	Lower	Upper
50	100		
52	33.6	24.6	36.8



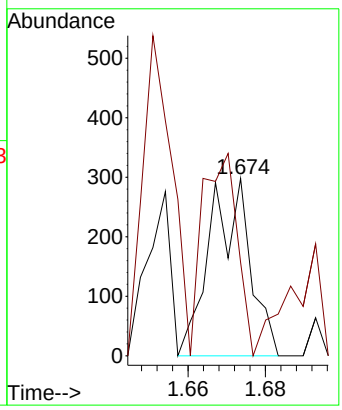


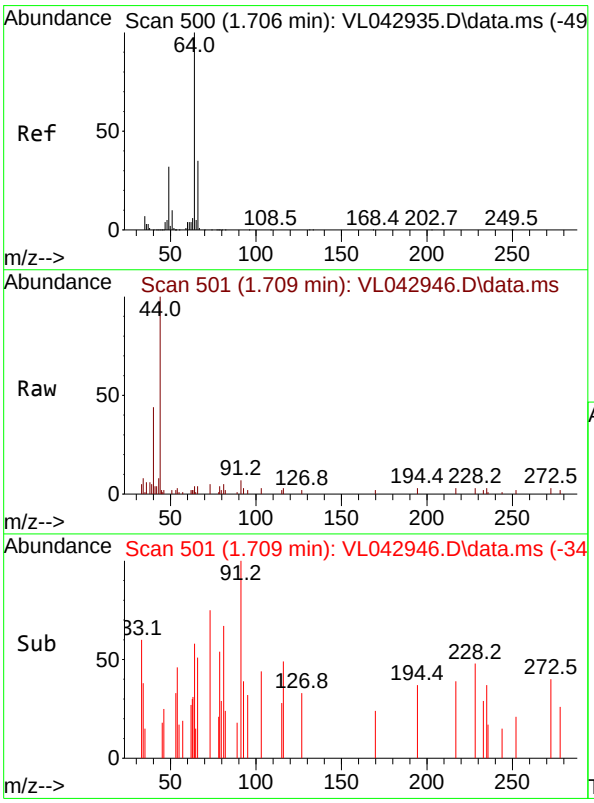
#6
Bromomethane
Concen: 0.067 ppbv
RT: 1.674 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 94 Resp: 214

Ion	Ratio	Lower	Upper
94	100		
96	29.2	68.6	103.0#

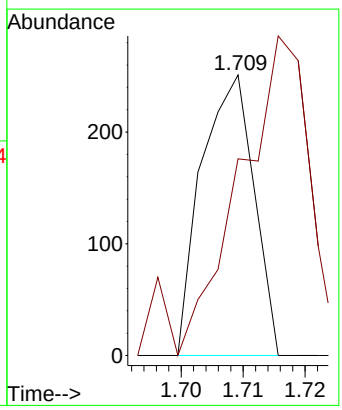


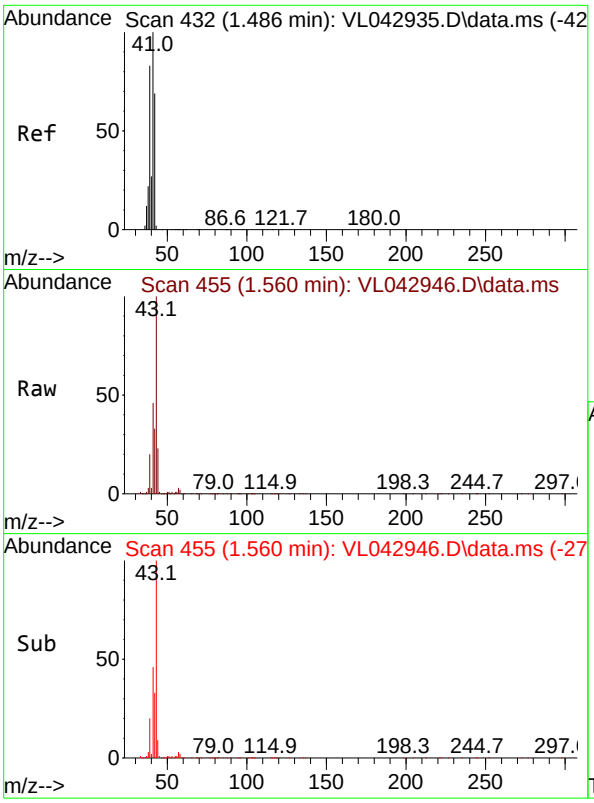


#7
Chloroethane
Concen: 0.043 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 64 Resp: 147

Ion	Ratio	Lower	Upper
64	100		
66	70.1	27.9	41.9#



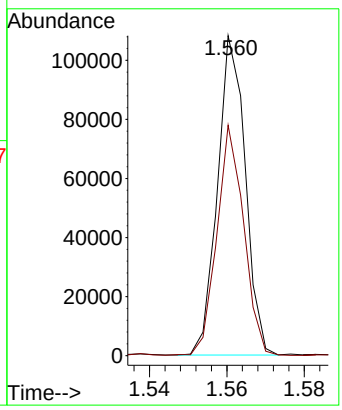


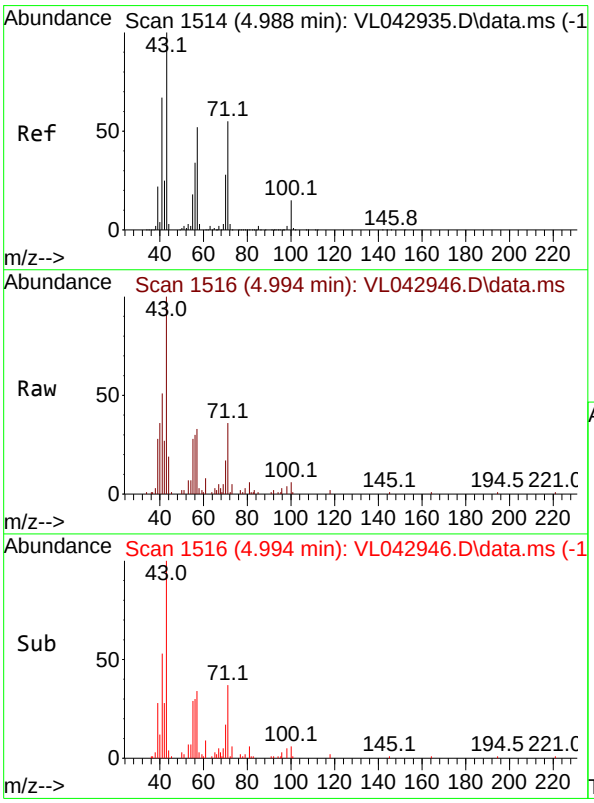
#9
Propene
Concen: 5.740 ppbv
RT: 1.560 min Scan# 4
Delta R.T. 0.075 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 53850

Ion	Ratio	Lower	Upper
41	100		
42	71.1	55.0	82.4

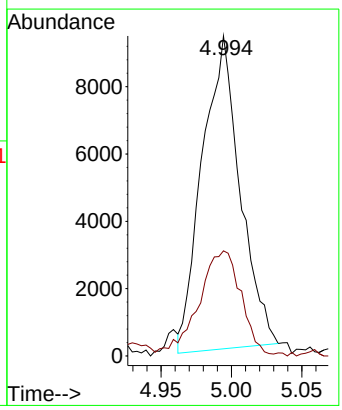


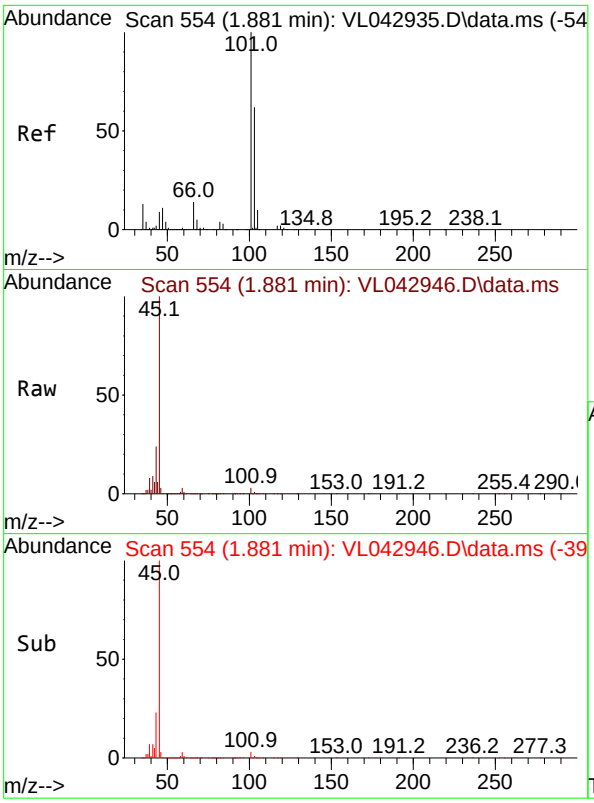


#10
Heptane
Concen: 0.749 ppbv
RT: 4.994 min Scan# 1516
Delta R.T. 0.007 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 43 Resp: 17417

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.8	59.8#



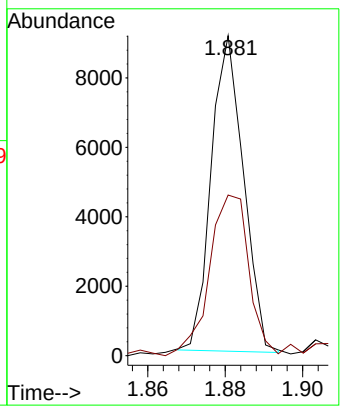


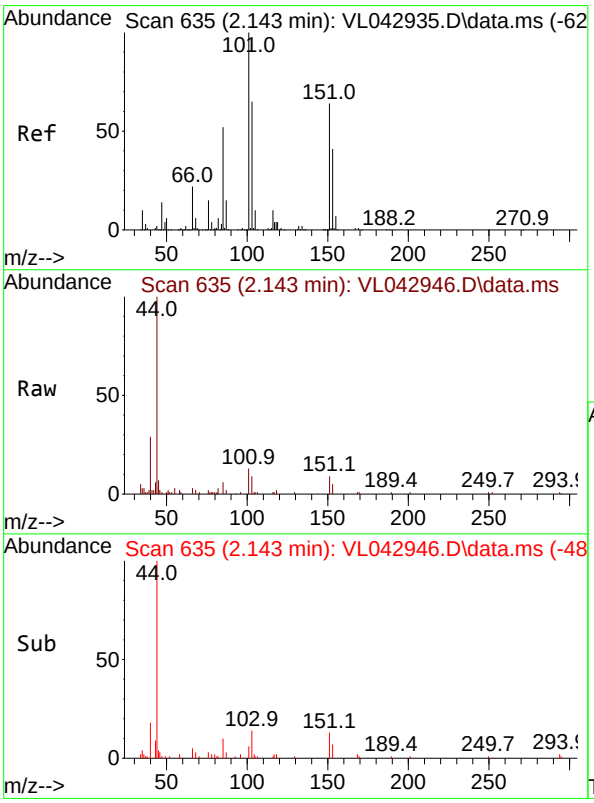
#11
Trichlorofluoromethane
Concen: 0.218 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 5252

Ion	Ratio	Lower	Upper
101	100		
103	50.5	49.6	74.4

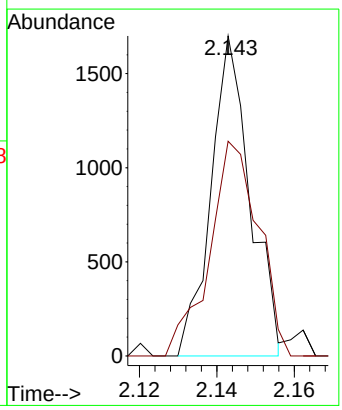


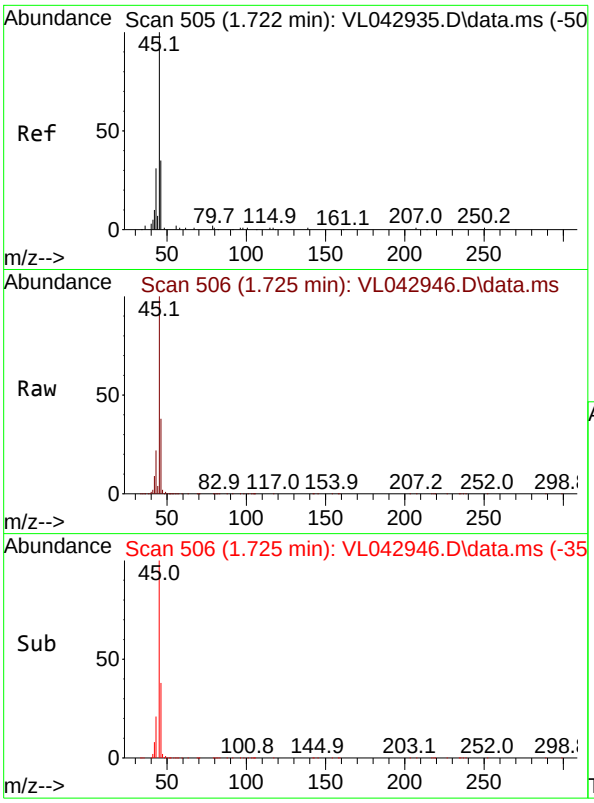


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.063 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion:101 Resp: 1194

Ion	Ratio	Lower	Upper
101	100		
151	83.9	51.9	77.9#



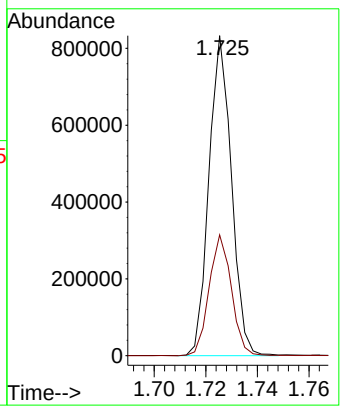


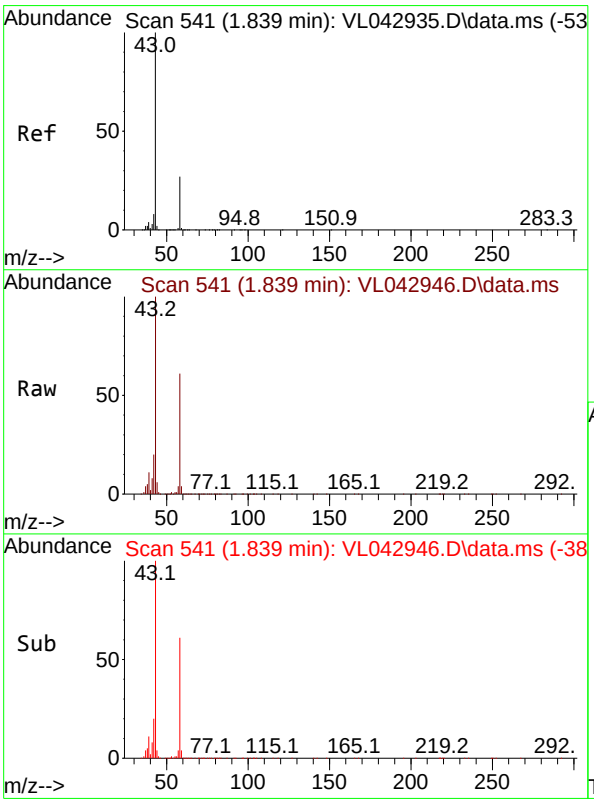
#13
Ethanol
Concen: 525.745 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 502858

Ion	Ratio	Lower	Upper
45	100		
46	37.8	16.5	66.1

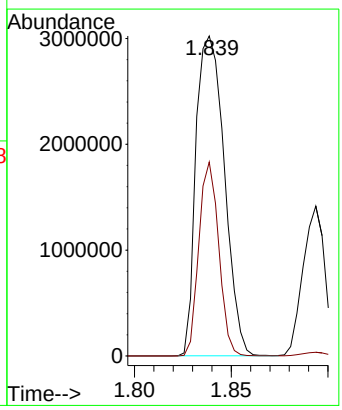


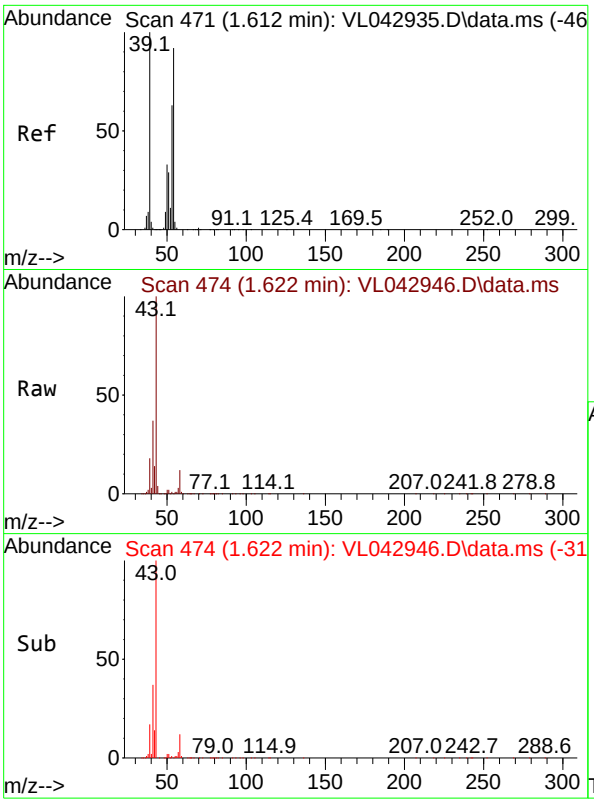


#15
Acetone
Concen: 146.789 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 43 Resp: 3079572

Ion	Ratio	Lower	Upper
43	100		
58	42.6	22.2	33.2#



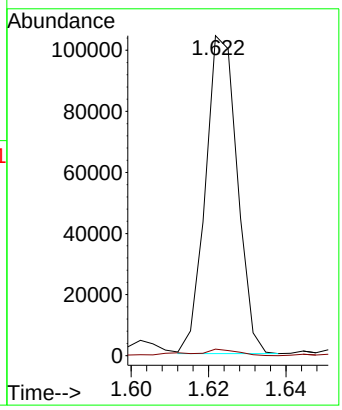


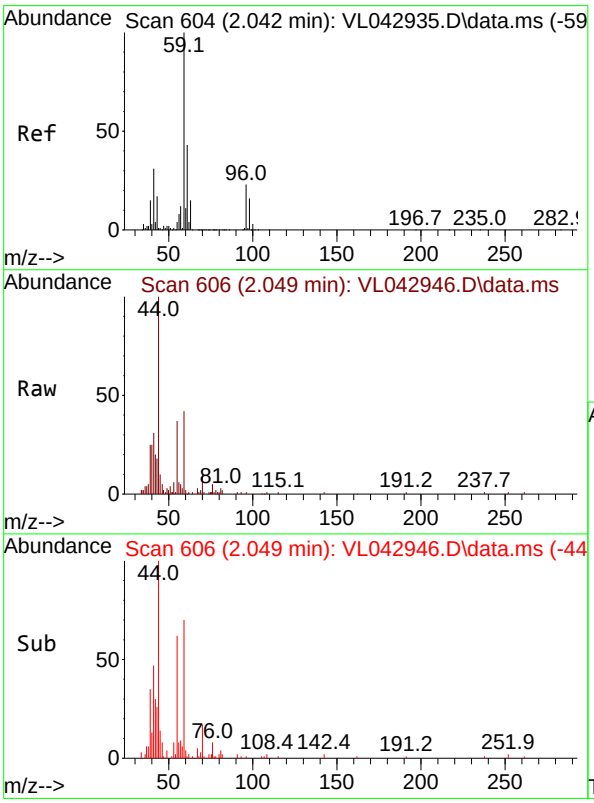
#16
1,3-Butadiene
Concen: 6.774 ppbv
RT: 1.622 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 59447

Ion	Ratio	Lower	Upper
39	100		
54	3.5	62.2	93.4#

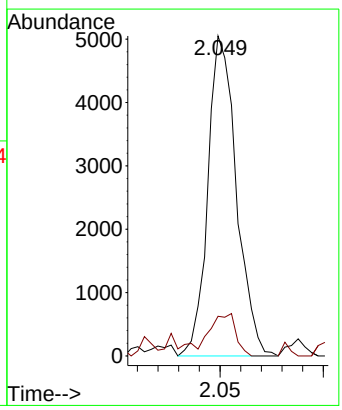


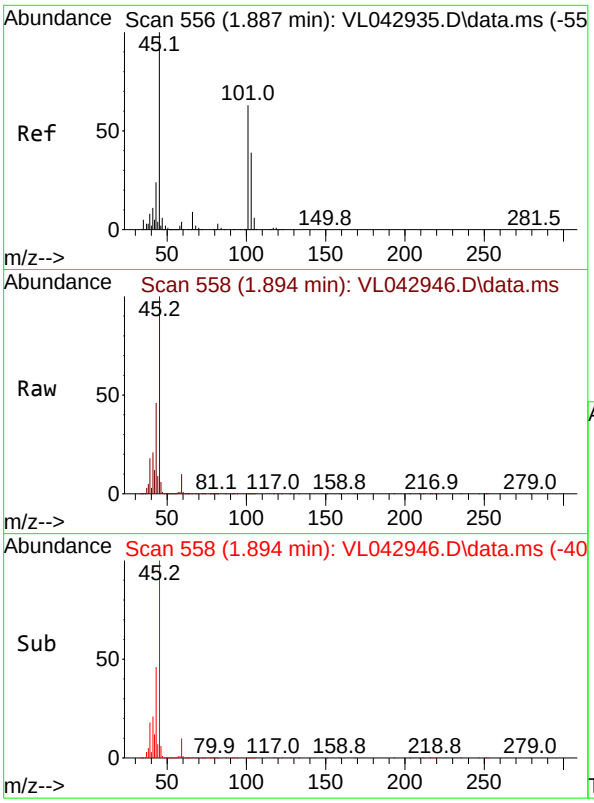


#17
tert-Butyl alcohol
Concen: 0.240 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.007 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 59 Resp: 4852

Ion	Ratio	Lower	Upper
59	100		
57	934.3	9.0	13.6#



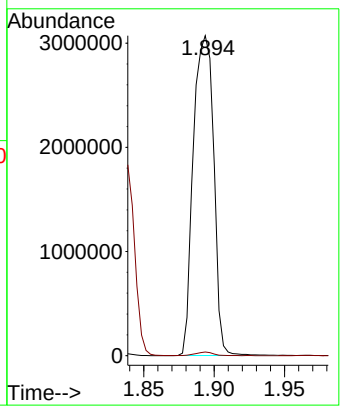


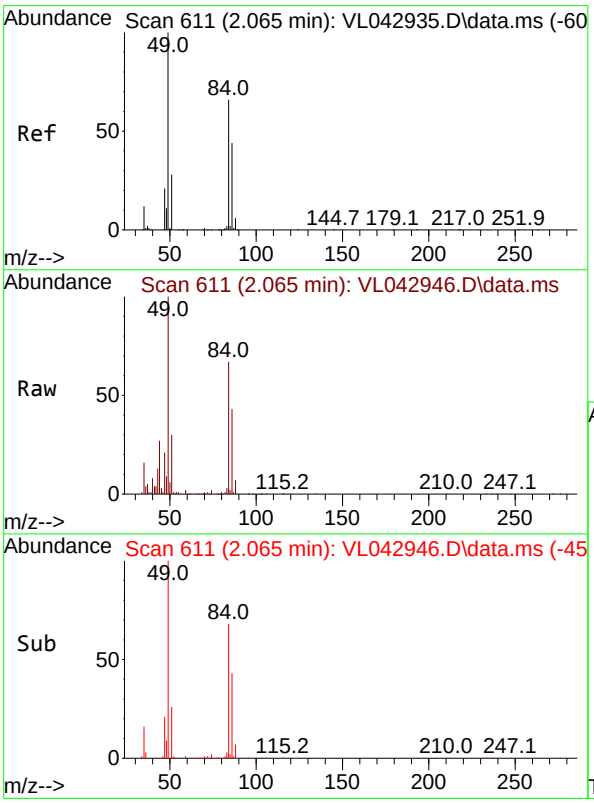
#19
Isopropyl Alcohol
Concen: 275.419 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 3097954

Ion	Ratio	Lower	Upper
45	100		
58	42.3	2.0	3.0#

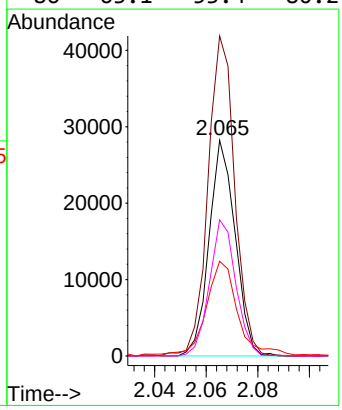


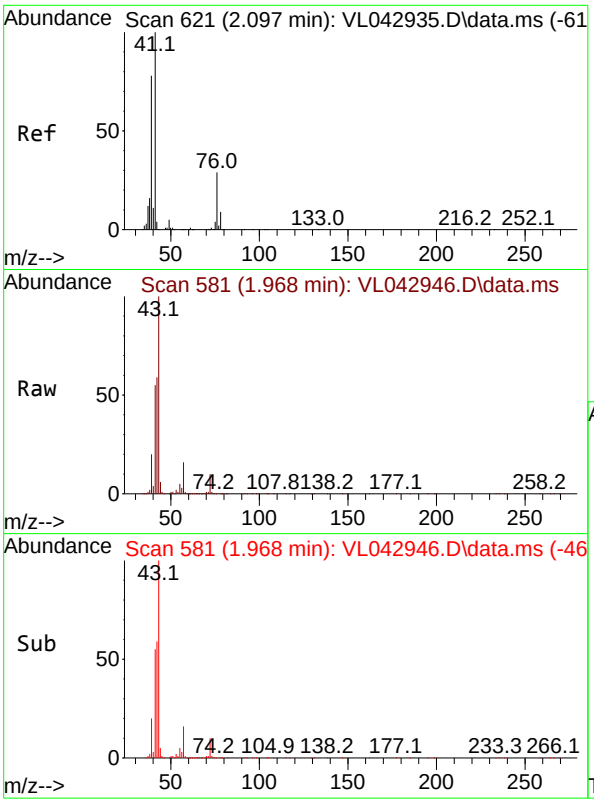


#20
Methylene Chloride
Concen: 2.176 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 84 Resp: 19877

Ion	Ratio	Lower	Upper
84	100		
49	147.9	121.8	182.6
51	42.2	35.6	53.4
86	63.1	53.4	80.2



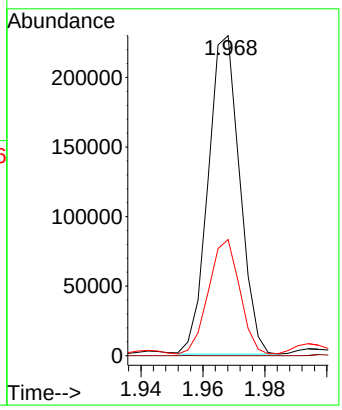


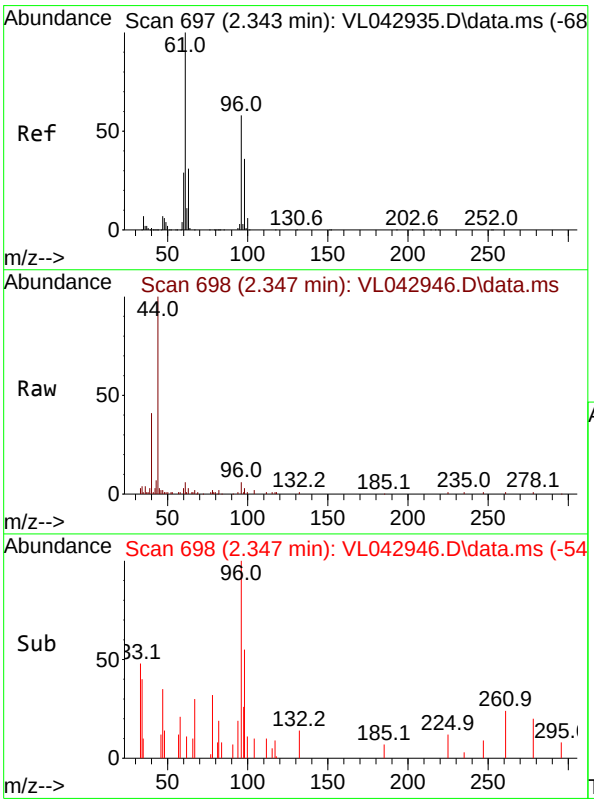
#21
Allyl Chloride
Concen: 11.385 ppbv
RT: 1.968 min Scan# 5
Delta R.T. -0.129 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 161907

Ion	Ratio	Lower	Upper
41	100		
76	0.3	23.8	35.6#
39	37.4	63.2	94.8#

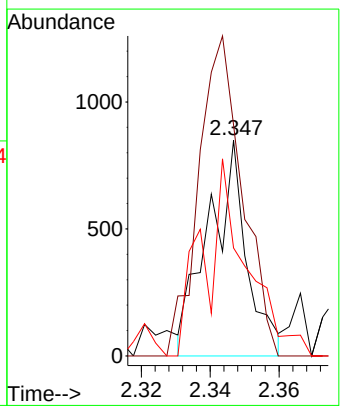


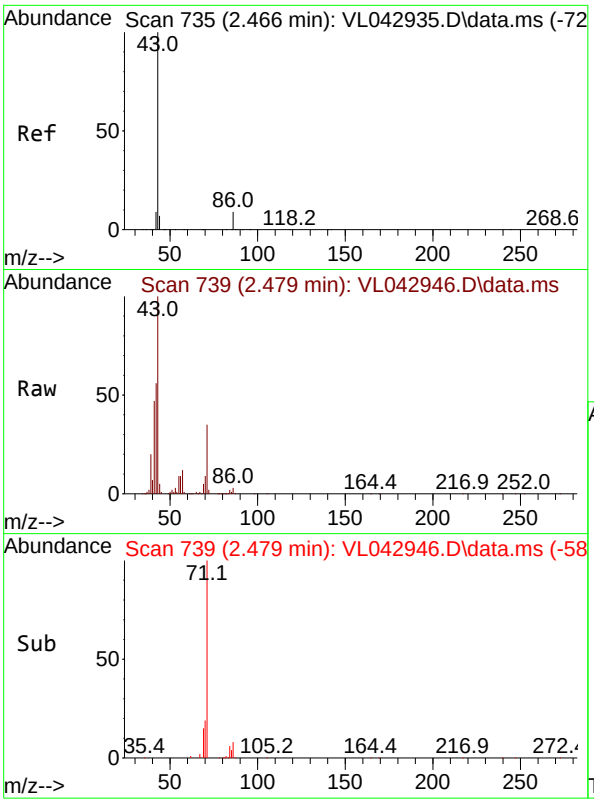


#22
trans-1,2-Dichloroethene
Concen: 0.070 ppbv
RT: 2.347 min Scan# 698
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 96 Resp: 654

Ion	Ratio	Lower	Upper
96	100		
61	129.3	139.0	208.6#
98	55.4	49.4	74.2



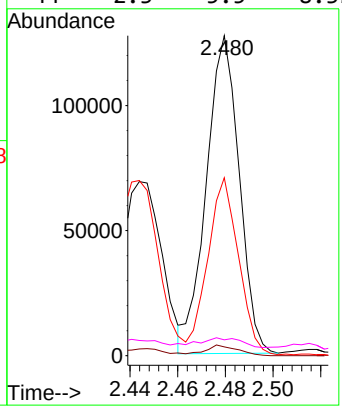


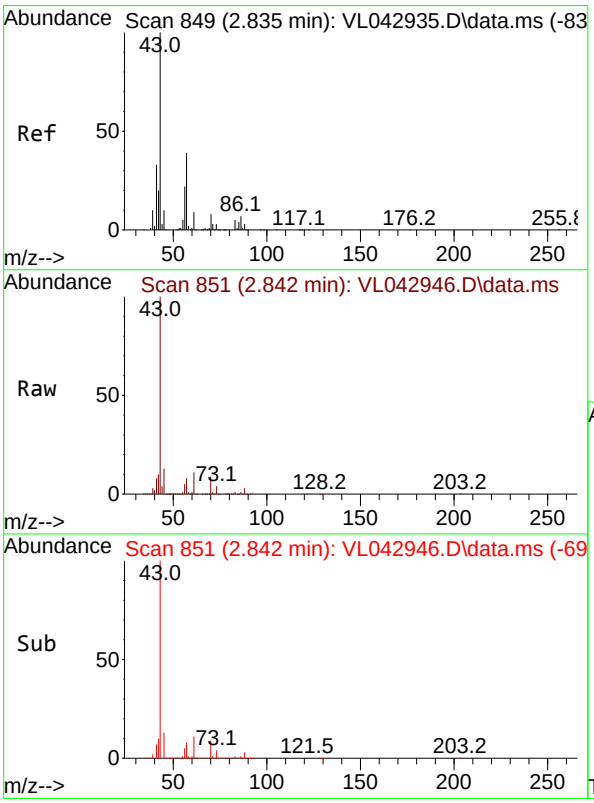
#23
Vinyl Acetate
Concen: 4.996 ppbv
RT: 2.479 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 121778

Ion	Ratio	Lower	Upper
43	100		
86	2.8	6.4	9.6#
42	55.7	7.5	11.3#
44	2.3	5.5	8.3#

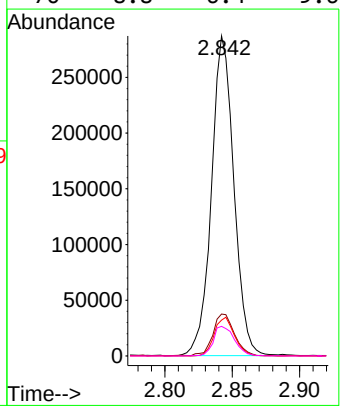


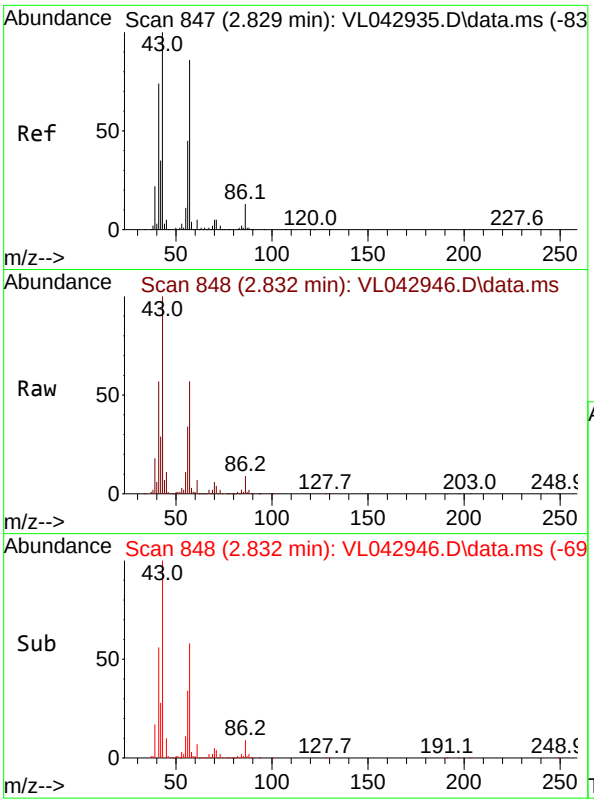


#25
Ethyl Acetate
Concen: 7.407 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.007 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 43 Resp: 331811

Ion	Ratio	Lower	Upper
43	100		
45	13.0	7.8	11.8#
61	11.0	7.2	10.8#
70	8.8	6.4	9.6



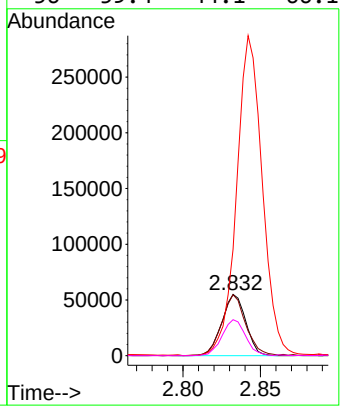


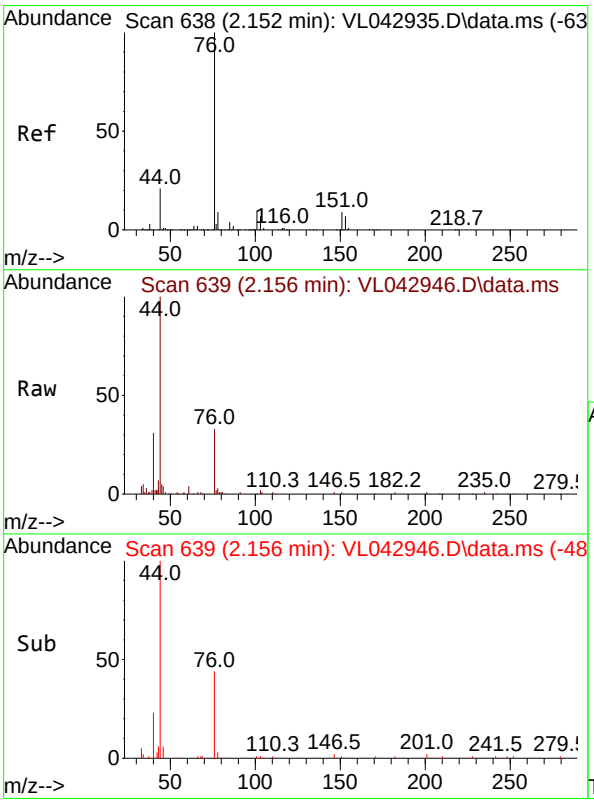
#26
Hexane
Concen: 3.061 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 58843

Ion	Ratio	Lower	Upper
57	100		
41	100.7	71.3	106.9
43	567.4	183.9	275.9#
56	59.4	44.1	66.1

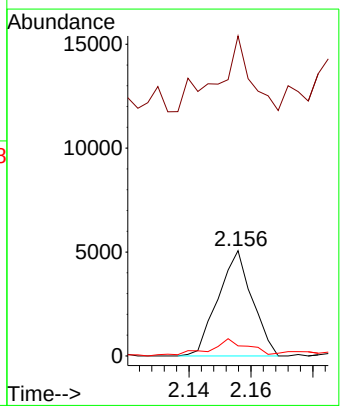


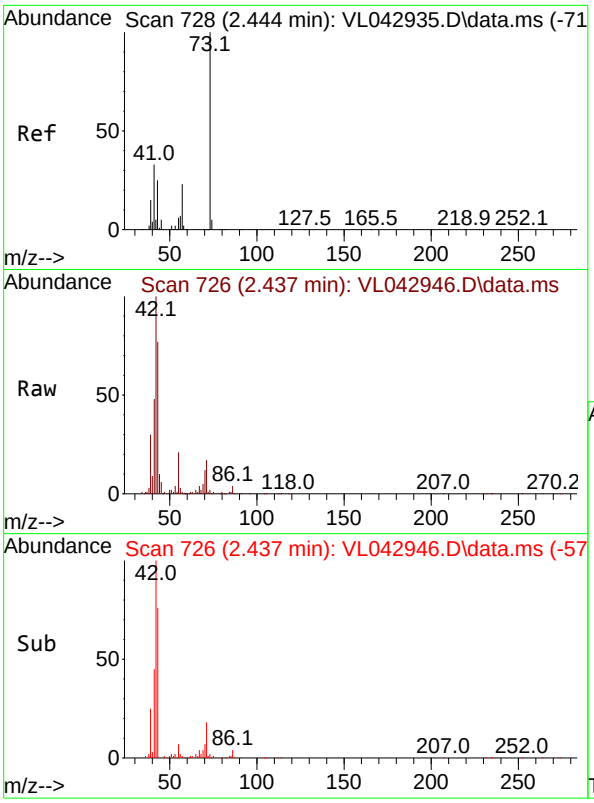


#27
Carbon Disulfide
Concen: 0.164 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 76 Resp: 3878

Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.4	23.0#
78	28.6	9.1	13.7#



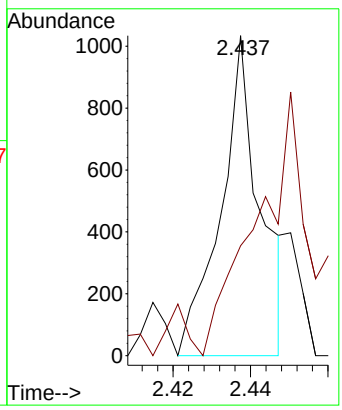


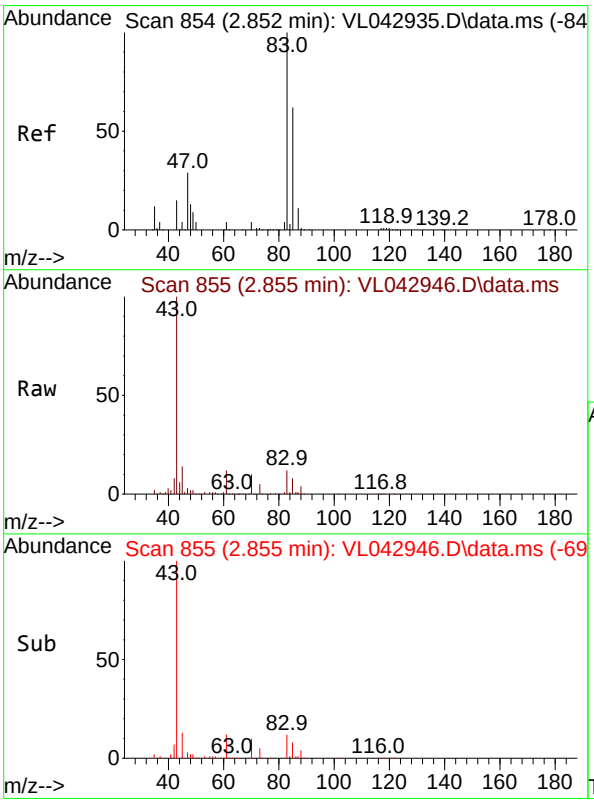
#28
Methyl tert-Butyl Ether
Concen: 0.068 ppbv
RT: 2.437 min Scan# 7
Delta R.T. -0.006 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 73 Resp: 722

Ion	Ratio	Lower	Upper
73	100		
57	2237.1	18.6	28.0#

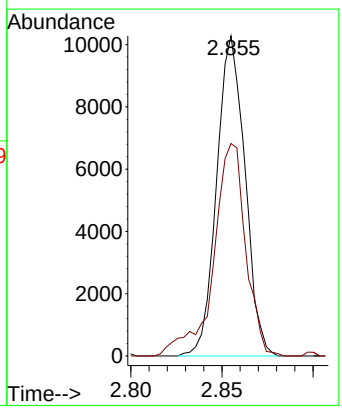


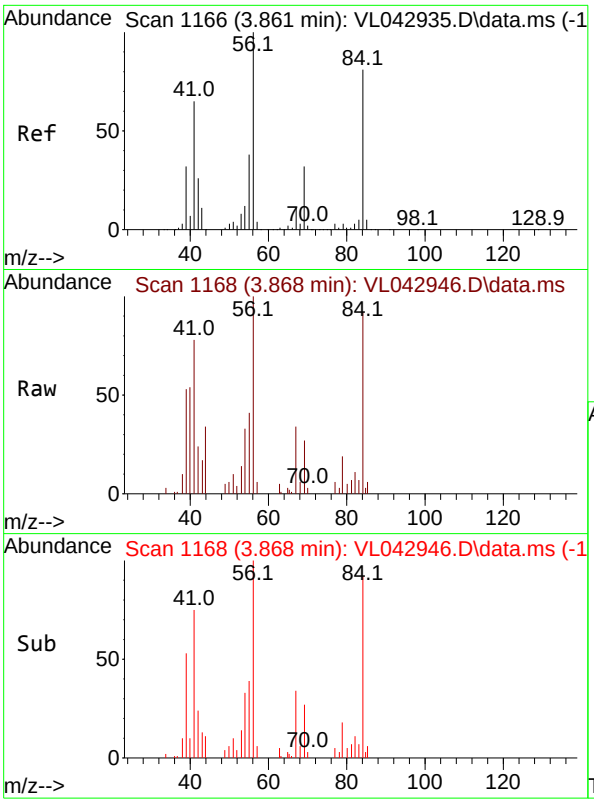


#29
Chloroform
Concen: 0.352 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 83 Resp: 11077

Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.7	74.5



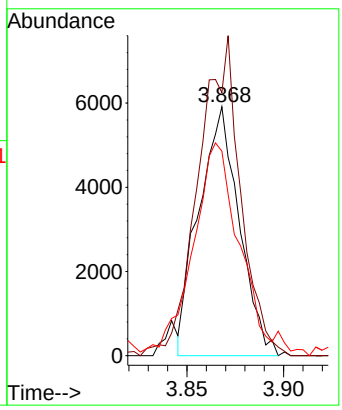


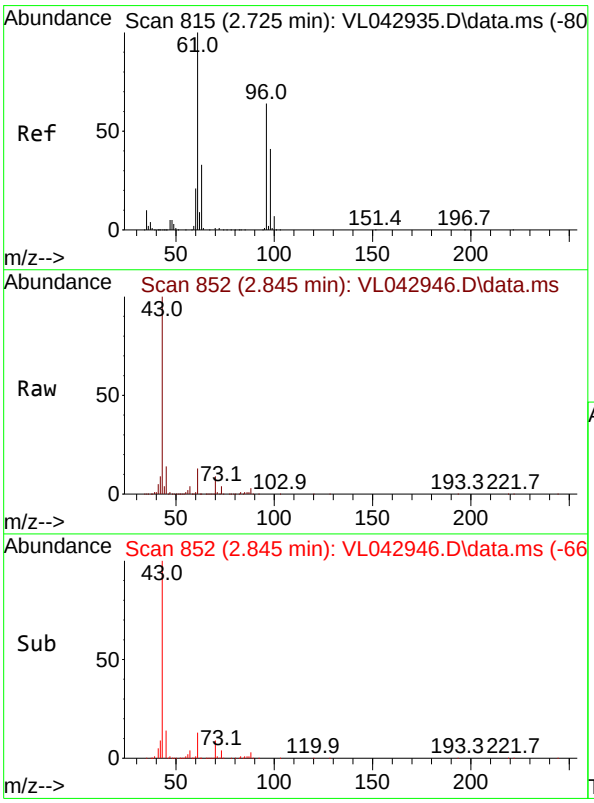
#30
Cyclohexane
Concen: 0.592 ppbv
RT: 3.868 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 8573

Ion	Ratio	Lower	Upper
84	100		
56	134.3	100.6	150.8
41	95.7	65.4	98.0

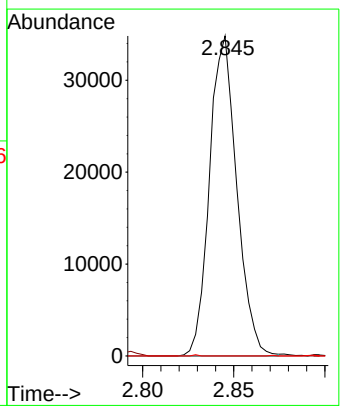


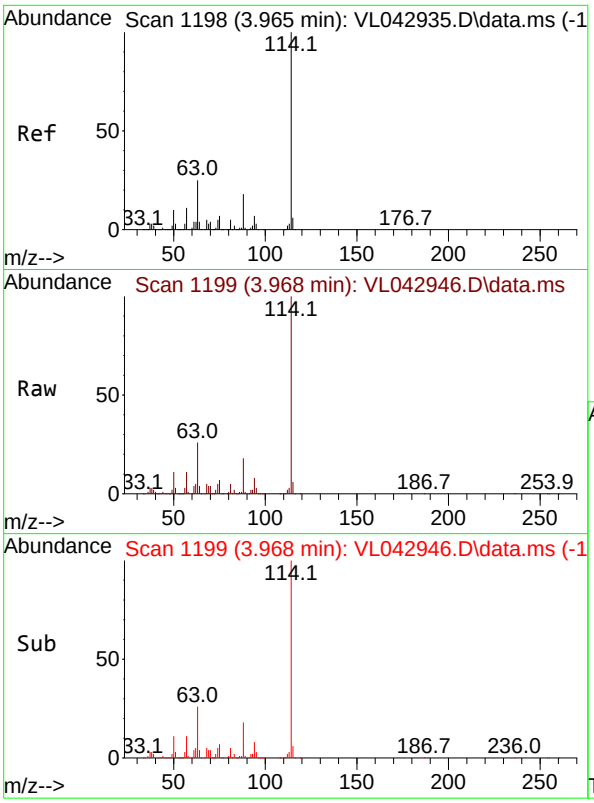


#31
cis-1,2-Dichloroethene
Concen: 1.934 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.120 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 61 Resp: 36309

Ion	Ratio	Lower	Upper
61	100		
96	0.0	51.4	77.2#
98	0.0	32.8	49.2#



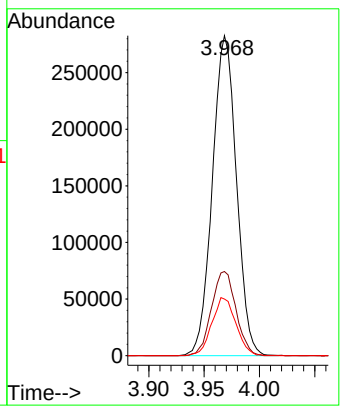


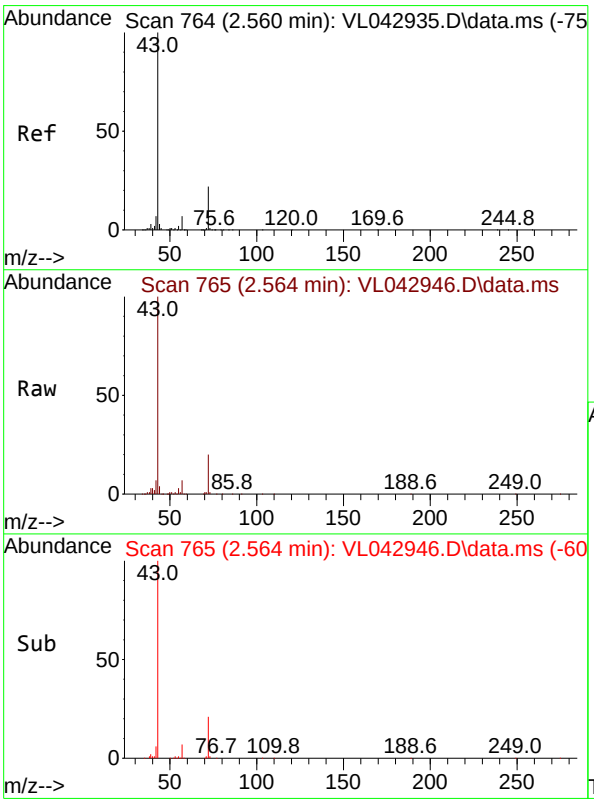
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 427405

Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.1	31.7
88	18.1	14.6	22.0

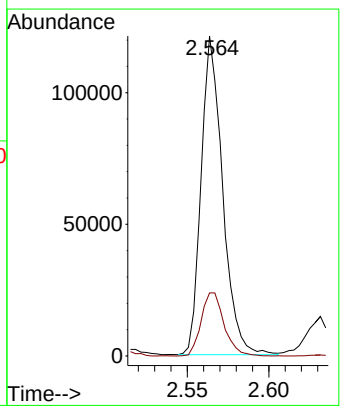


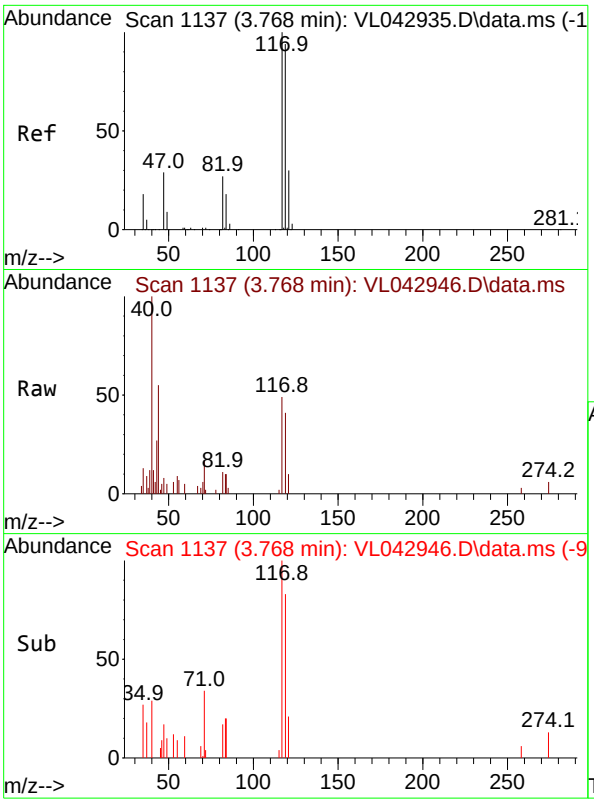


#34
2-Butanone
Concen: 4.012 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 43 Resp: 111149

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.2	25.8



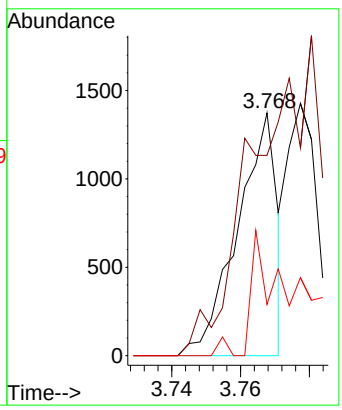


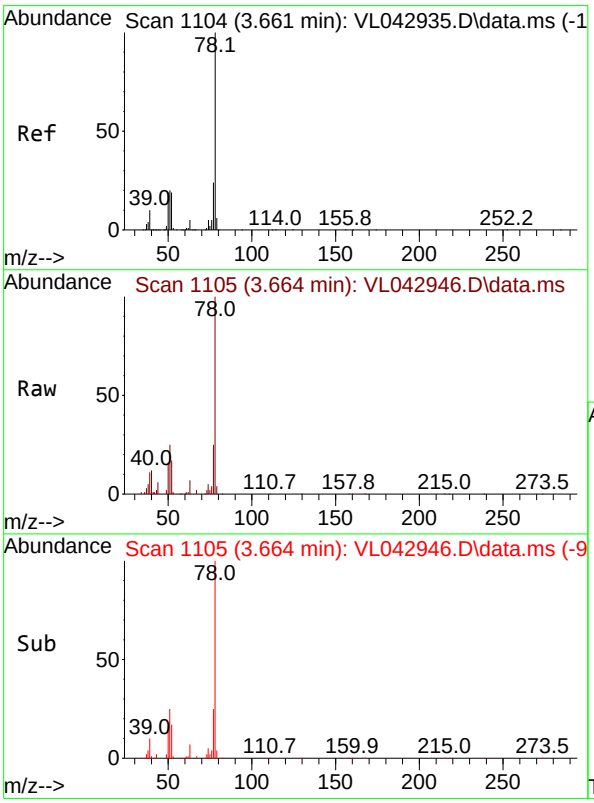
#35
Carbon Tetrachloride
Concen: 0.036 ppbv
RT: 3.768 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1092

Ion	Ratio	Lower	Upper
117	100		
119	82.5	74.9	112.3
121	21.1	24.0	36.0#

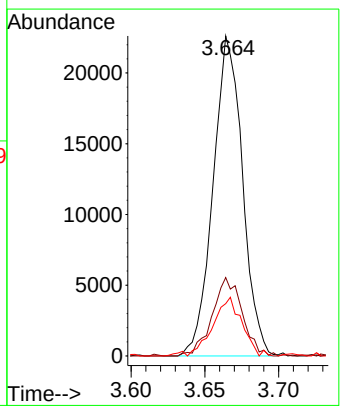


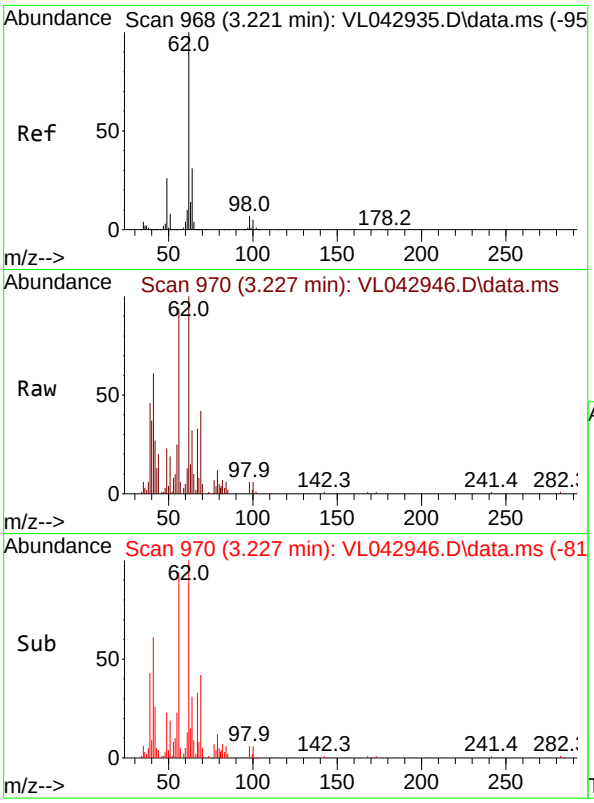


#36
Benzene
Concen: 0.841 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 78 Resp: 31365

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8
50	16.3	14.8	22.2



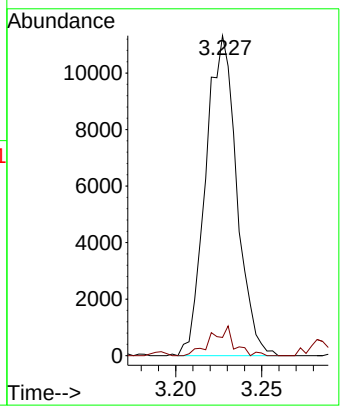


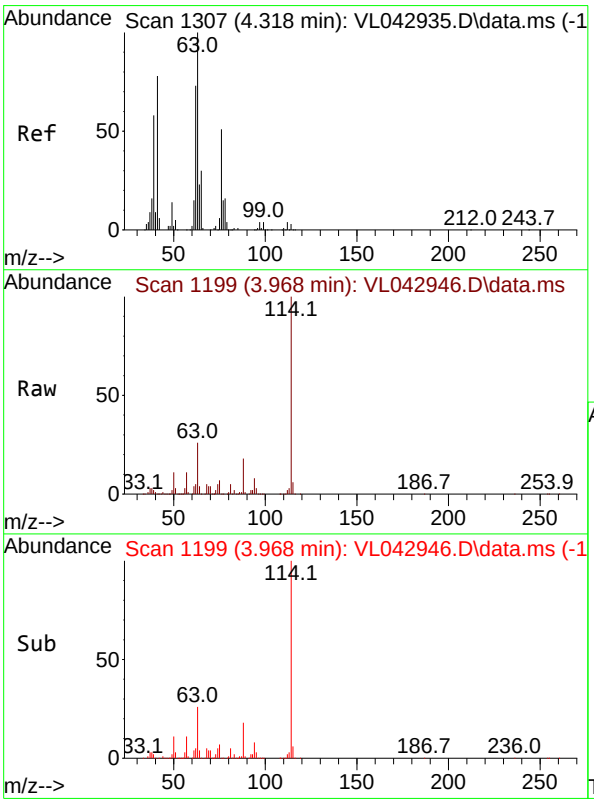
#37
1,2-Dichloroethane
Concen: 0.635 ppbv
RT: 3.227 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 14175

Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.5	8.3

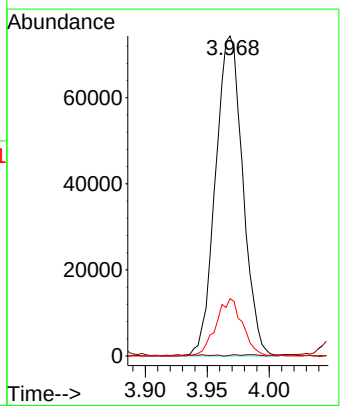


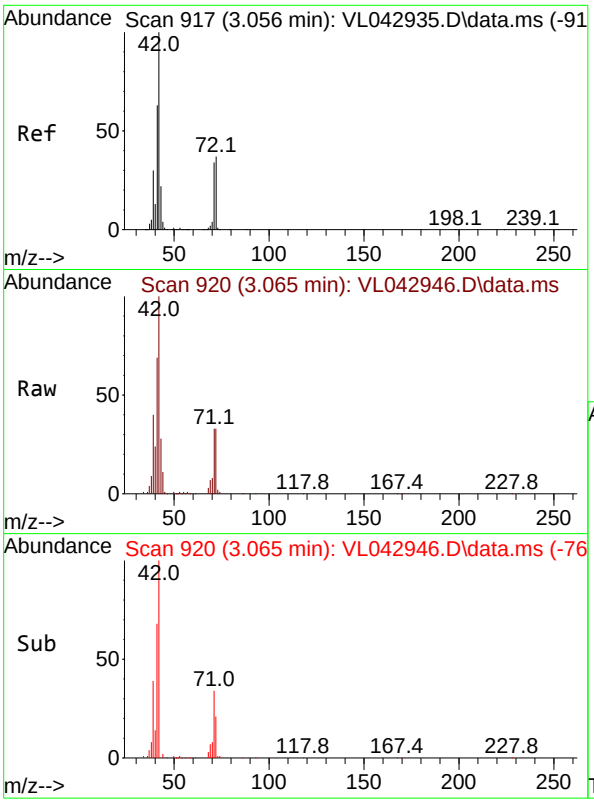


#39
1,2-Dichloropropane
Concen: 7.602 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.349 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 63 Resp: 114543

Ion	Ratio	Lower	Upper
63	100		
41	0.4	62.7	94.1#
62	17.9	58.4	87.6#



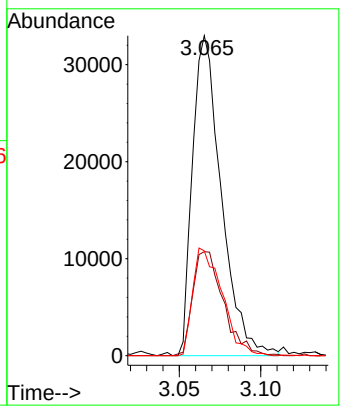


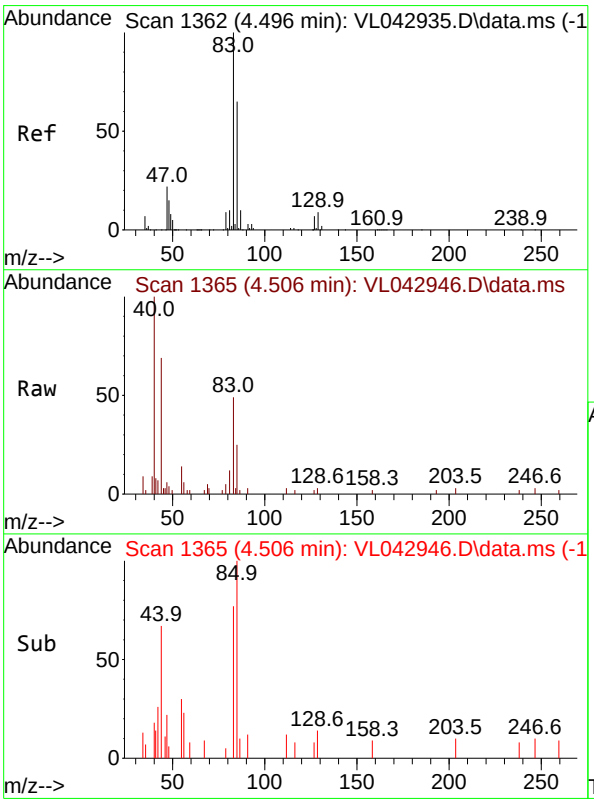
#41
Tetrahydrofuran
Concen: 2.956 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 40527

Ion	Ratio	Lower	Upper
42	100		
72	34.7	30.4	45.6
71	34.5	28.3	42.5

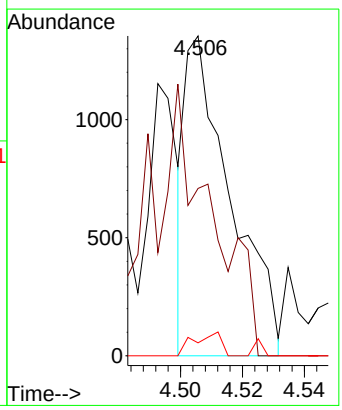


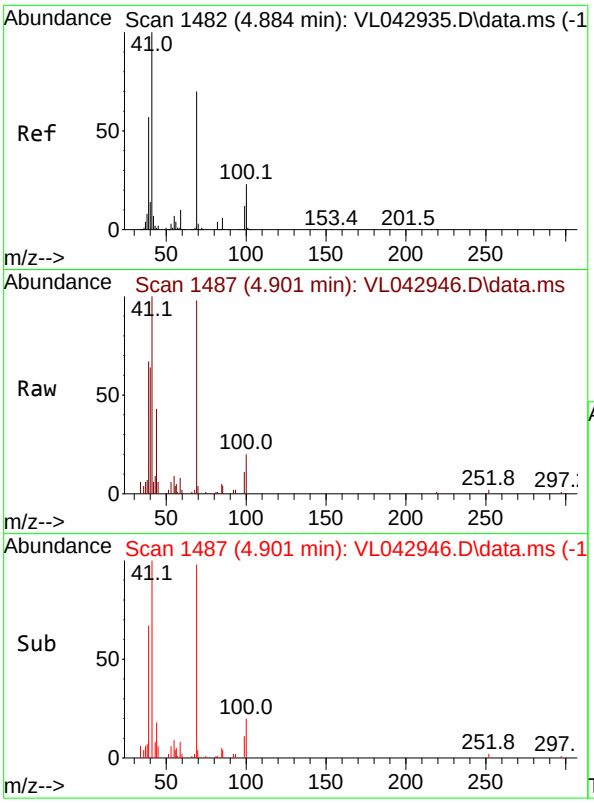


#42
Bromodichloromethane
Concen: 0.043 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. 0.010 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 83 Resp: 1392

Ion	Ratio	Lower	Upper
83	100		
85	55.3	52.1	78.1
127	4.3	6.0	9.0#



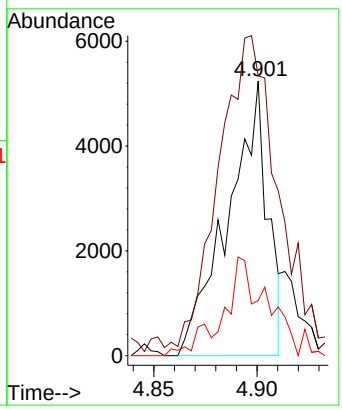


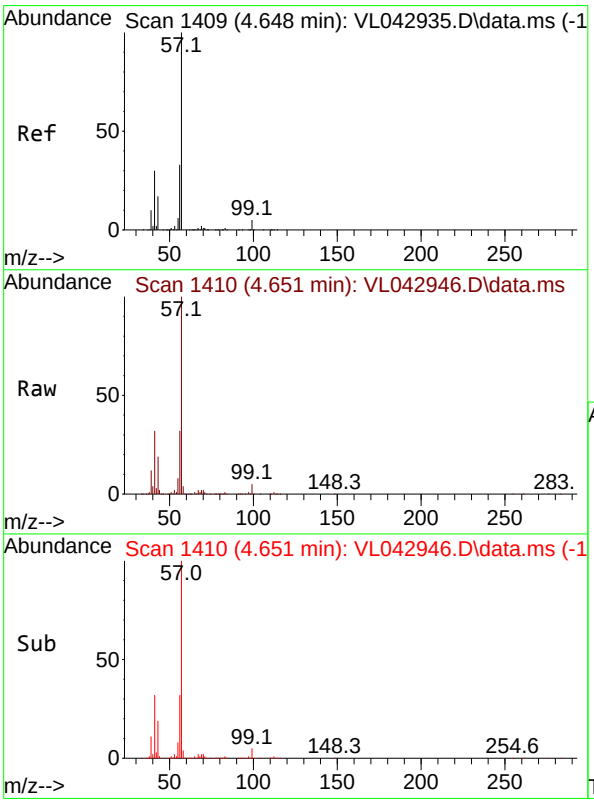
#43
Methyl Methacrylate
Concen: 0.559 ppbv
RT: 4.901 min Scan# 14
Delta R.T. 0.016 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 6978

Ion	Ratio	Lower	Upper
69	100		
41	175.7	118.6	178.0
100	41.5	26.2	39.4#

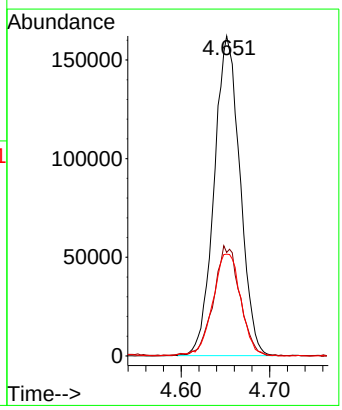


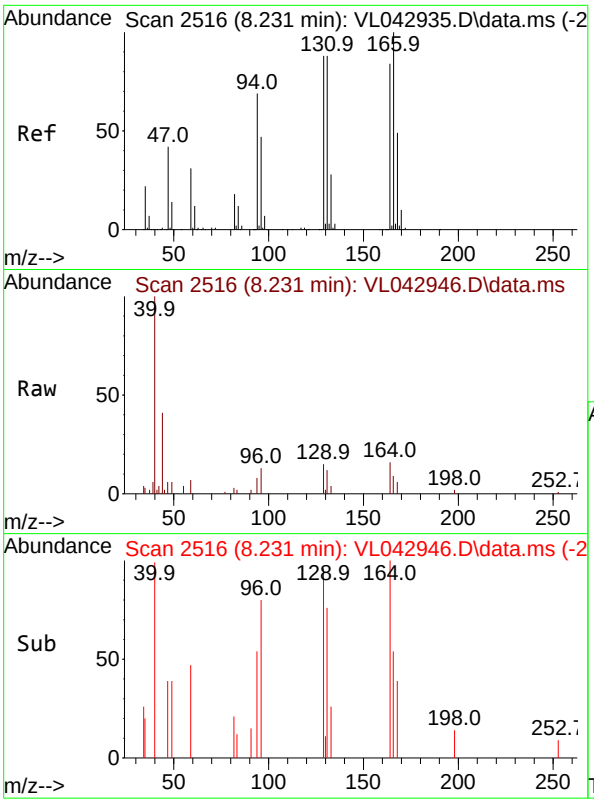


#44
2,2,4-Trimethylpentane
Concen: 5.272 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 57 Resp: 327844

Ion	Ratio	Lower	Upper
57	100		
41	35.5	25.8	38.6
56	34.7	26.2	39.4



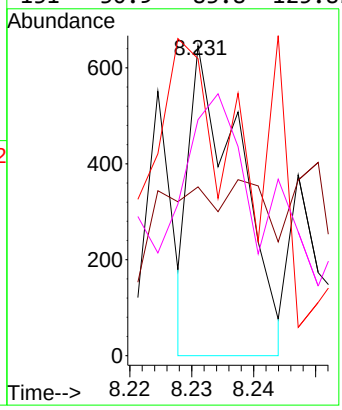


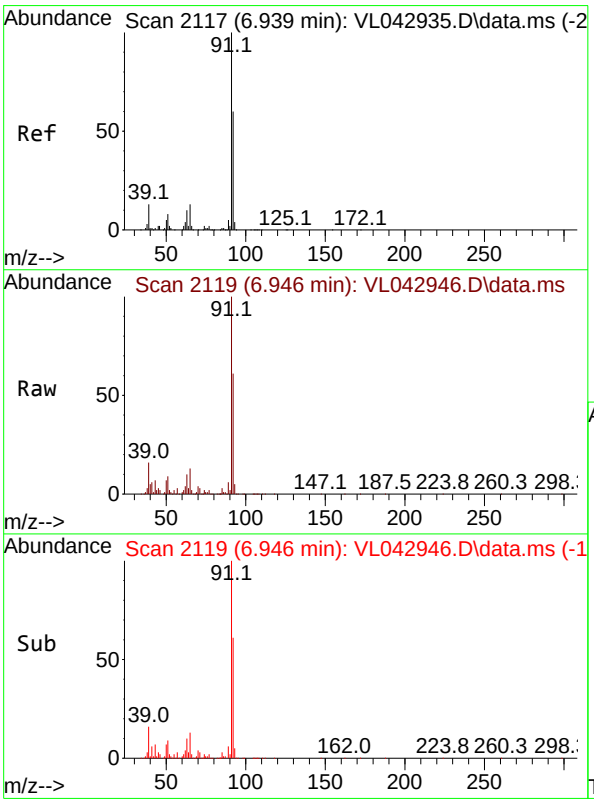
#52
Tetrachloroethene
Concen: 0.031 ppbv
RT: 8.231 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 361

Ion	Ratio	Lower	Upper
164	100		
166	20.2	95.4	143.0#
129	0.0	84.0	126.0#
131	30.9	83.8	125.8#

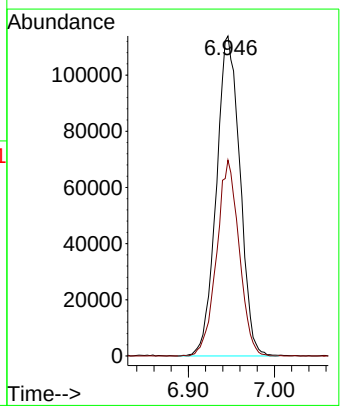


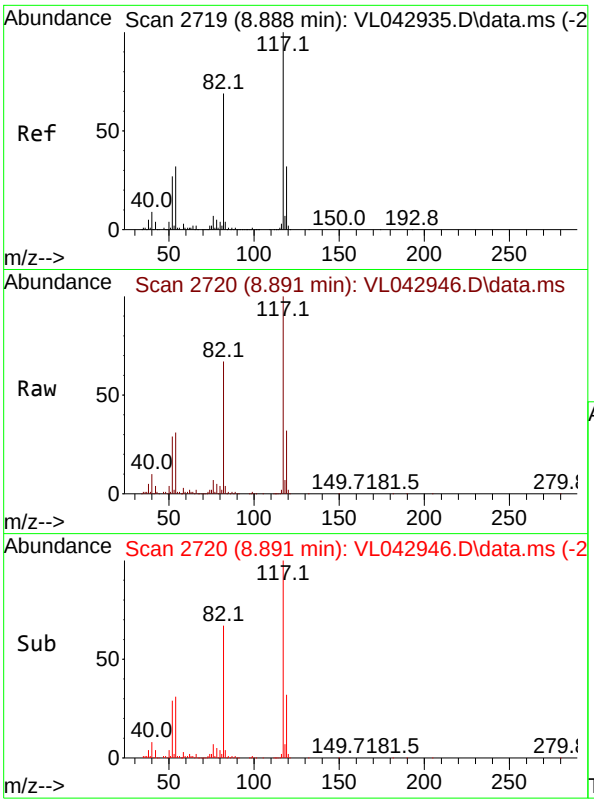


#53
Toluene
Concen: 6.234 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.007 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 91 Resp: 216732

Ion	Ratio	Lower	Upper
91	100		
92	58.4	47.4	71.2



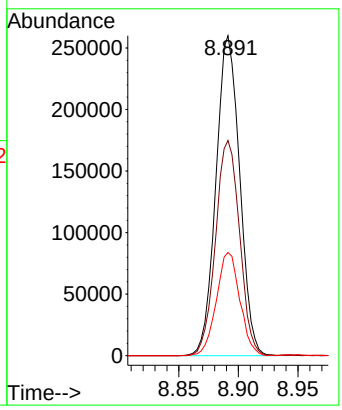


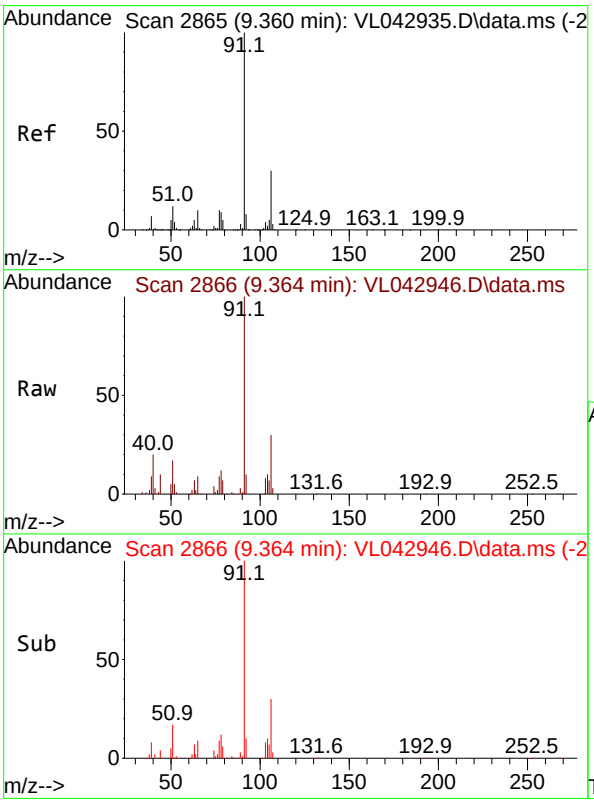
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 360089

Ion	Ratio	Lower	Upper
117	100		
82	68.3	56.1	84.1
119	31.9	25.8	38.8

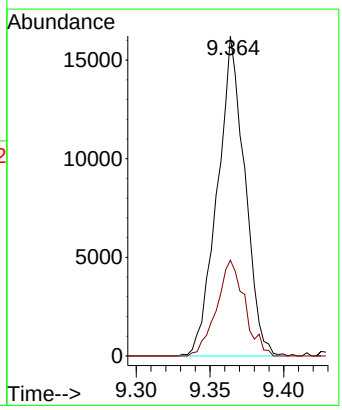


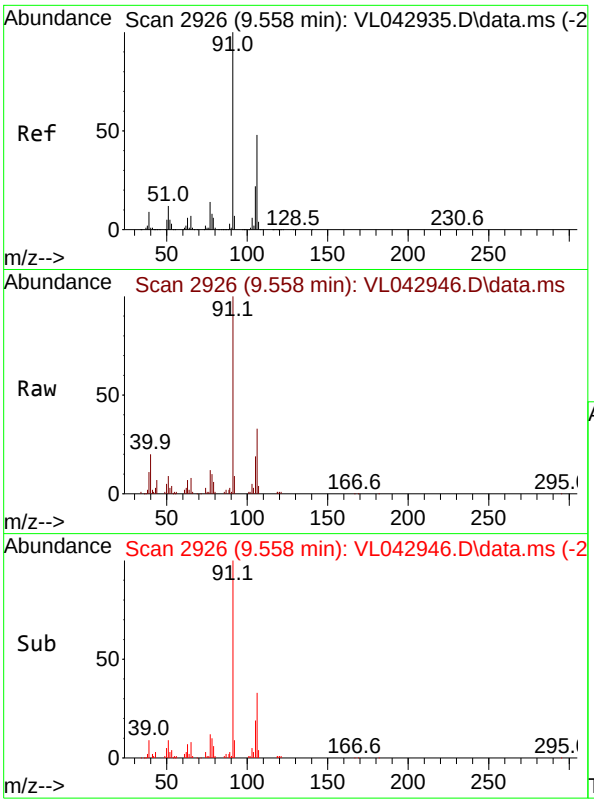


#58
Ethyl Benzene
Concen: 0.452 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 91 Resp: 20956

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.4



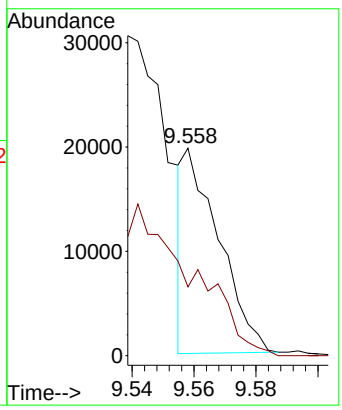


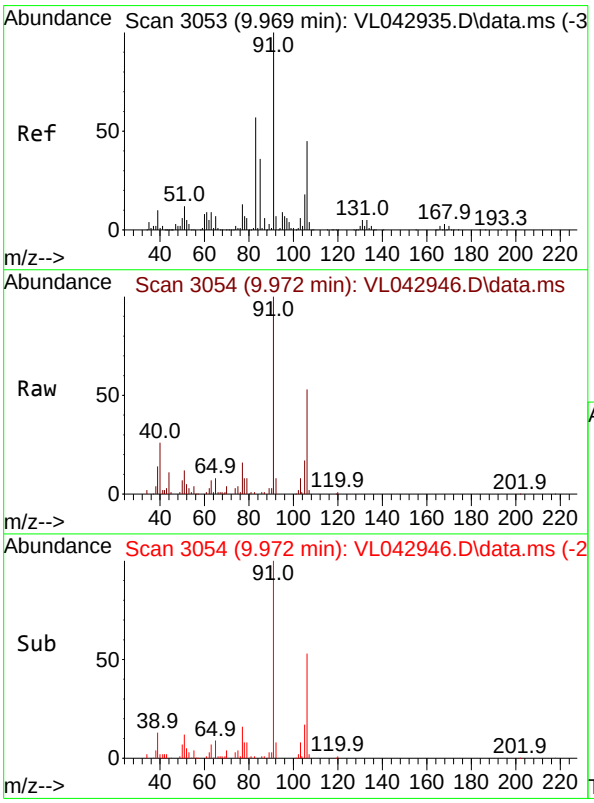
#59
m/p-Xylene
Concen: 0.397 ppbv
RT: 9.558 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 15548

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.0#

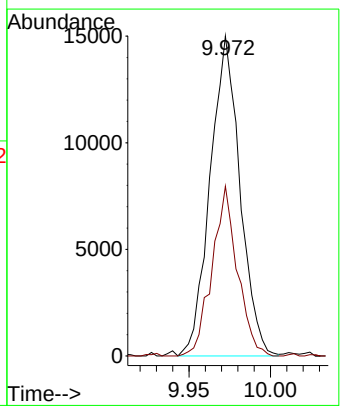


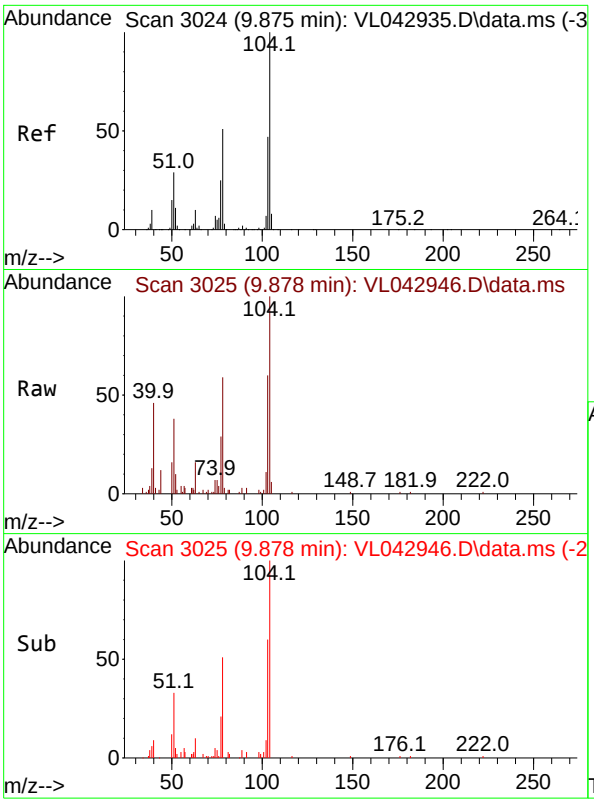


#60
o-Xylene
Concen: 0.490 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 91 Resp: 19080

Ion	Ratio	Lower	Upper
91	100		
106	45.5	22.1	66.5



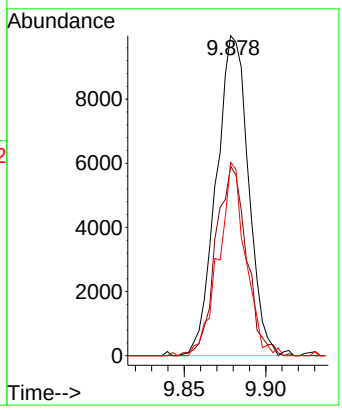


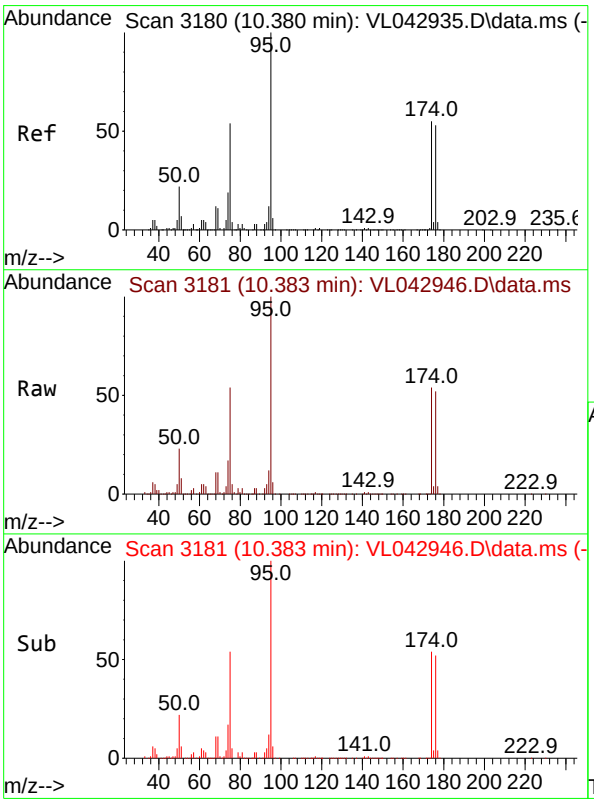
#61
Styrene
Concen: 1.184 ppbv
RT: 9.878 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 13663

Ion	Ratio	Lower	Upper
104	100		
78	56.9	40.2	60.2
103	51.1	36.8	55.2

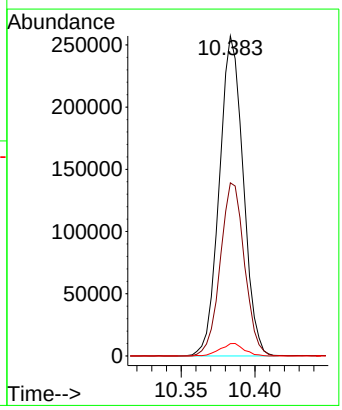


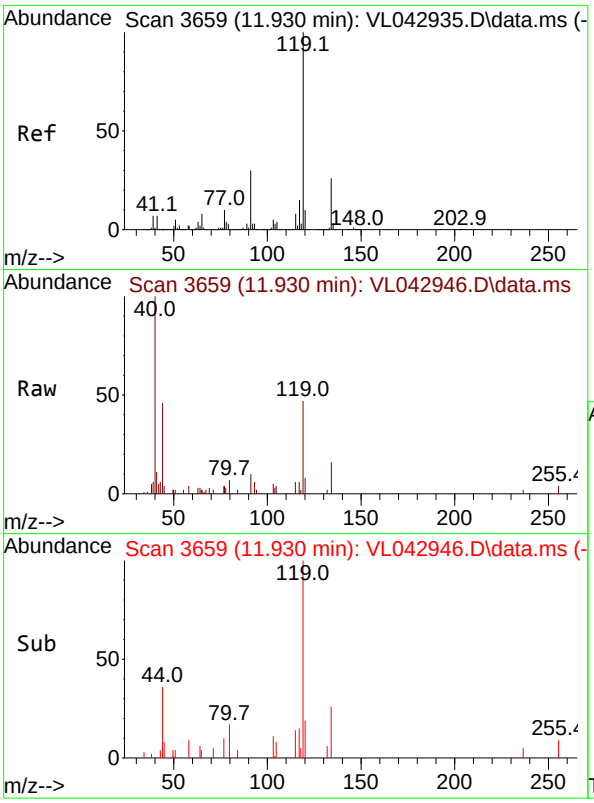


#68
1-Bromo-4-Fluorobenzene
Concen: 10.286 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 95 Resp: 289519

Ion	Ratio	Lower	Upper
95	100		
174	55.0	44.9	67.3
175	3.9	3.3	4.9



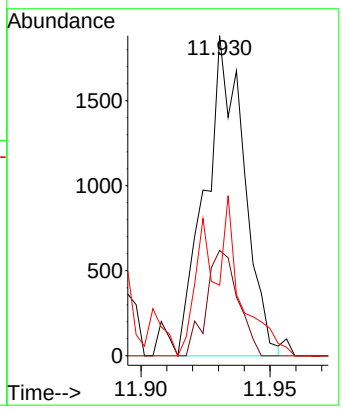


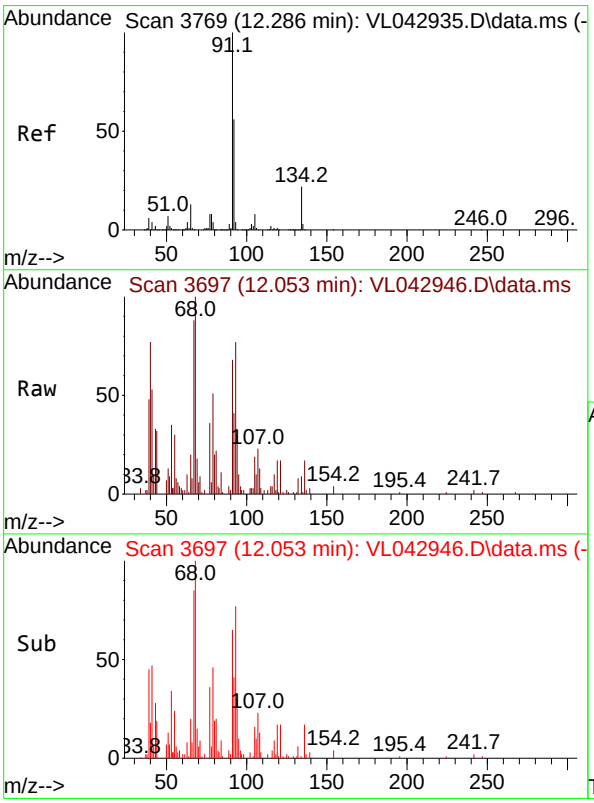
#69
p-Isopropyltoluene
Concen: 0.034 ppbv
RT: 11.930 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 1954

Ion	Ratio	Lower	Upper
119	100		
134	27.1	20.5	30.7
91	50.0	23.2	34.8#

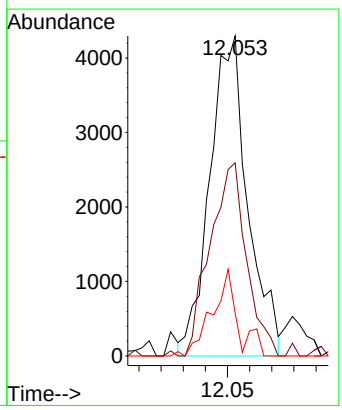


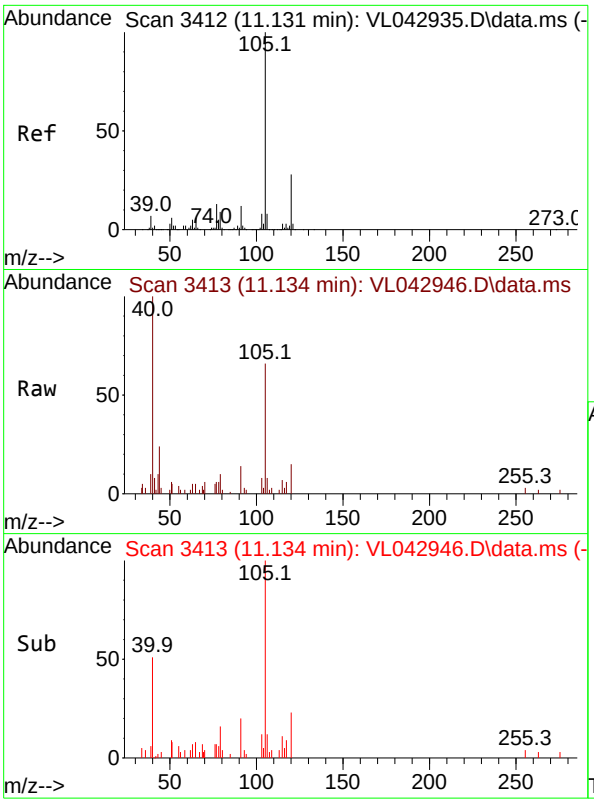


#70
n-Butylbenzene
Concen: 0.367 ppbv
RT: 12.053 min Scan# 3697
Delta R.T. -0.233 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion: 91 Resp: 5129

Ion	Ratio	Lower	Upper
91	100		
92	58.7	43.8	65.8
134	18.2	17.3	25.9



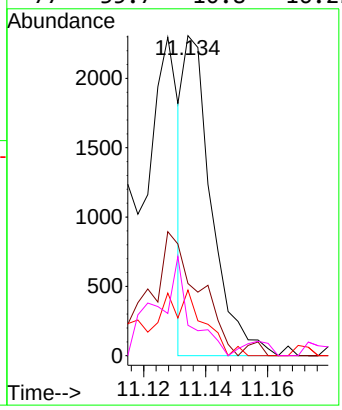


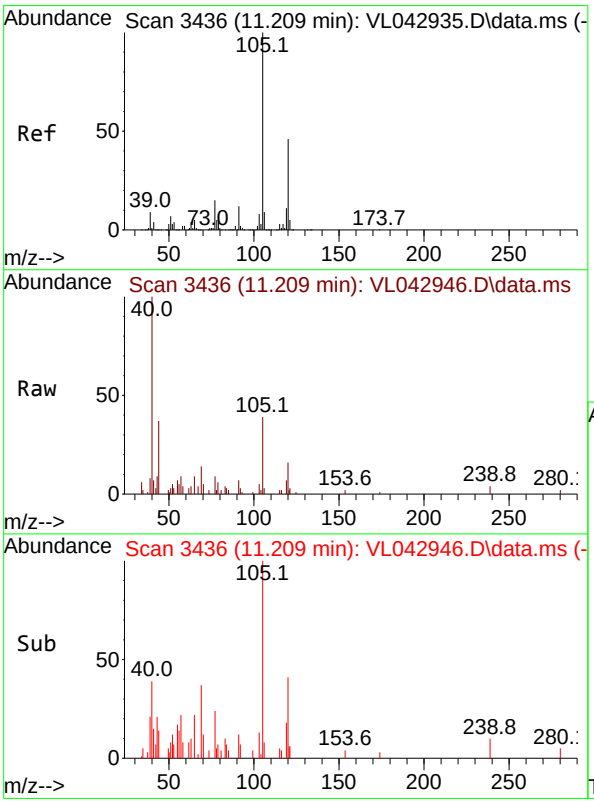
#72
4-Ethyltoluene
Concen: 0.385 ppbv
RT: 11.134 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 1430

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.1	34.7#
91	0.0	10.4	15.6#
77	35.7	10.8	16.2#

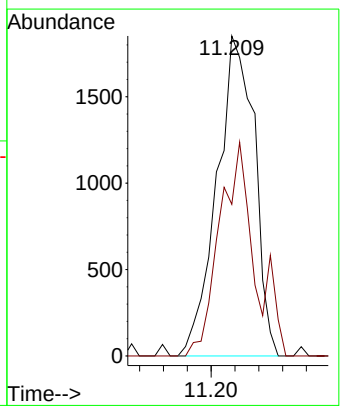


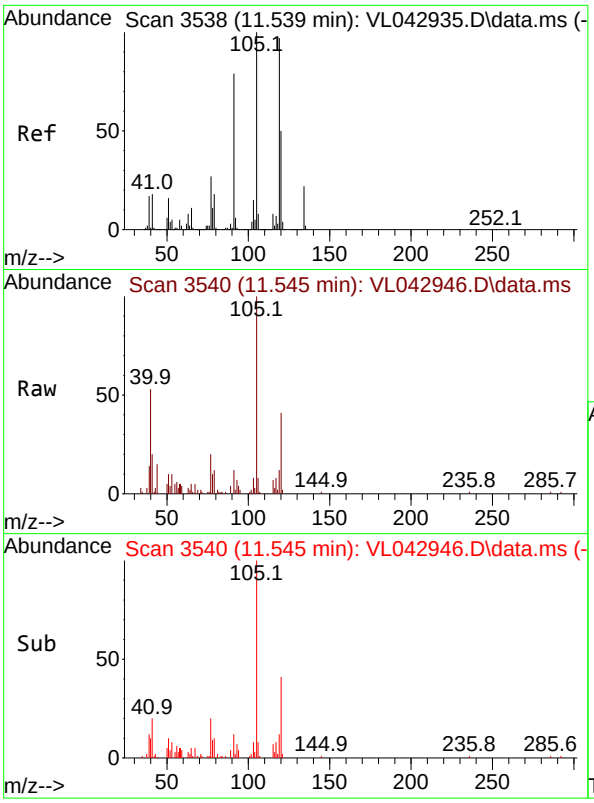


#73
1,3,5-Trimethylbenzene
Concen: 0.053 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion:105 Resp: 2029

Ion	Ratio	Lower	Upper
105	100		
120	47.4	37.0	55.6



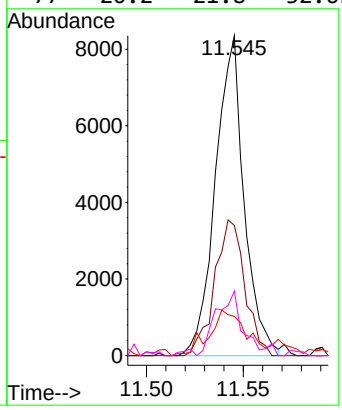


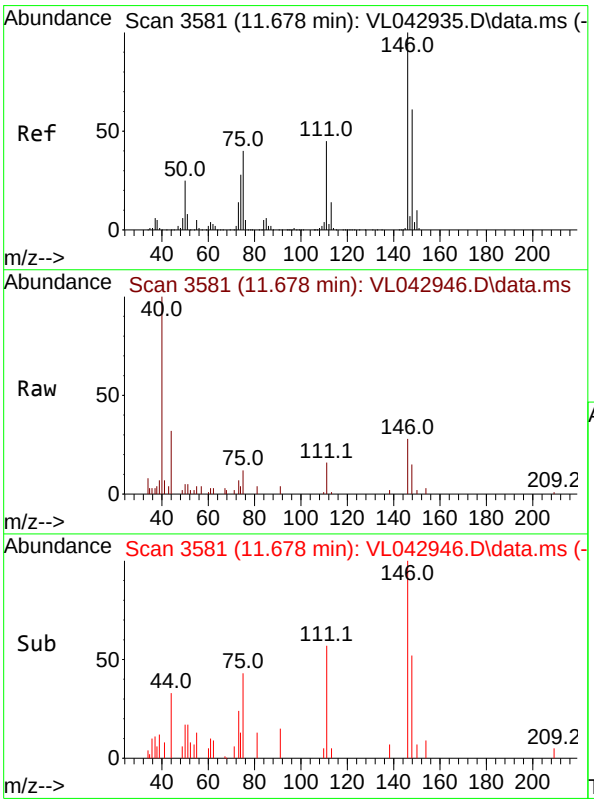
#74
1,2,4-Trimethylbenzene
Concen: 0.189 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 8583

Ion	Ratio	Lower	Upper
105	100		
120	43.1	39.8	59.6
91	11.6	63.1	94.7#
77	20.2	21.8	32.6#

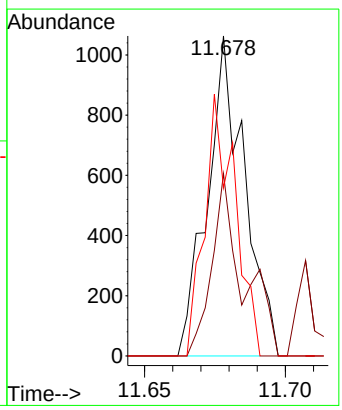


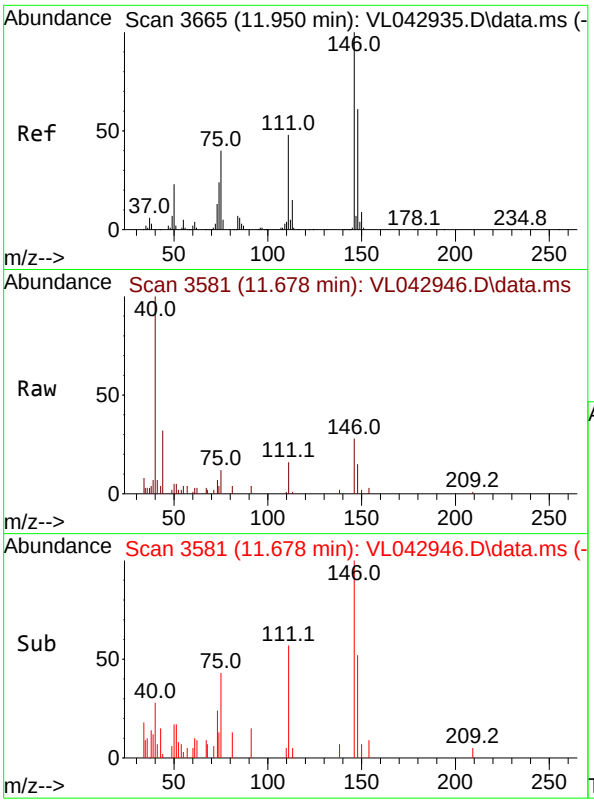


#76
1,4-Dichlorobenzene
Concen: 0.035 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion:146 Resp: 972

Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.0	69.0
148	66.7	31.8	95.4



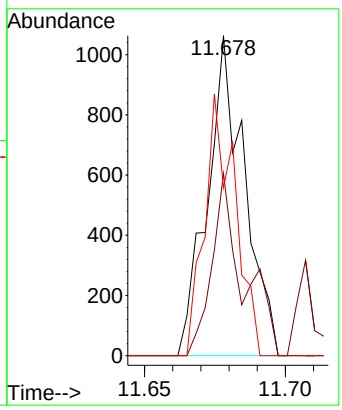


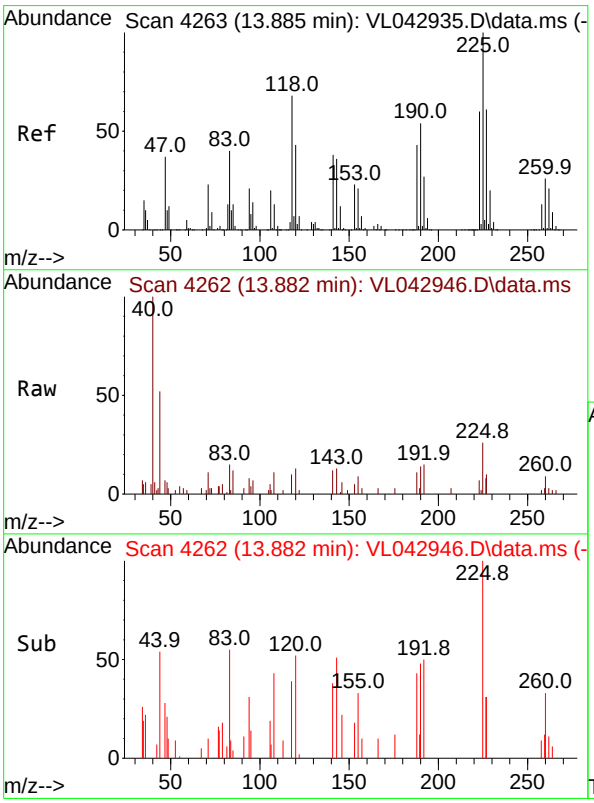
#77
1,2-Dichlorobenzene
Concen: 0.034 ppbv
RT: 11.678 min Scan# 3
Delta R.T. -0.272 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 972

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.6	73.8
148	66.7	31.4	94.2

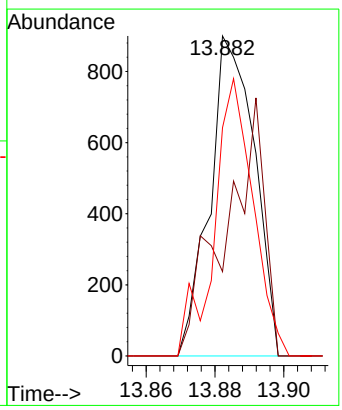


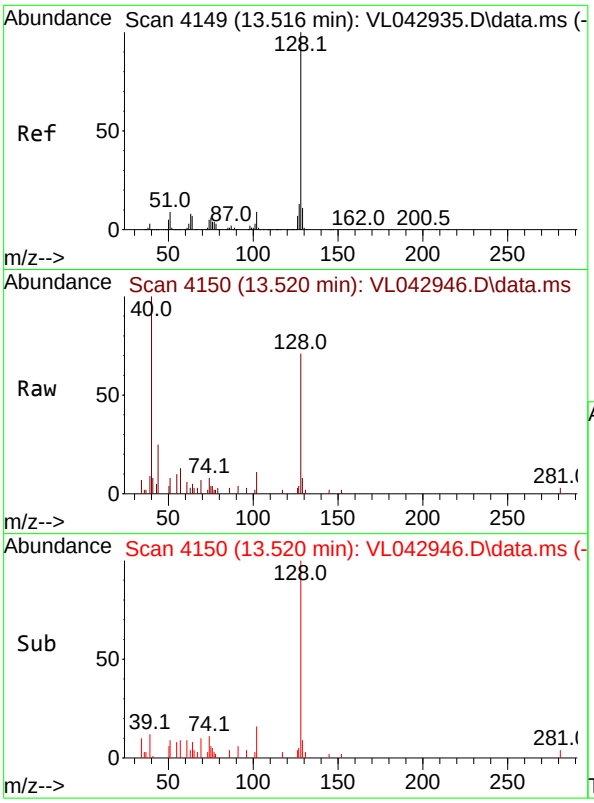


#78
Hexachloro-1,3-Butadiene
Concen: 0.044 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion:225 Resp: 813

Ion	Ratio	Lower	Upper
225	100		
223	70.2	50.6	76.0
227	75.3	50.5	75.7



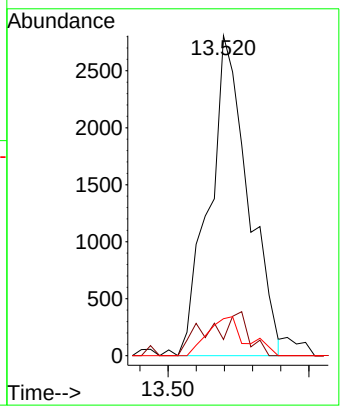


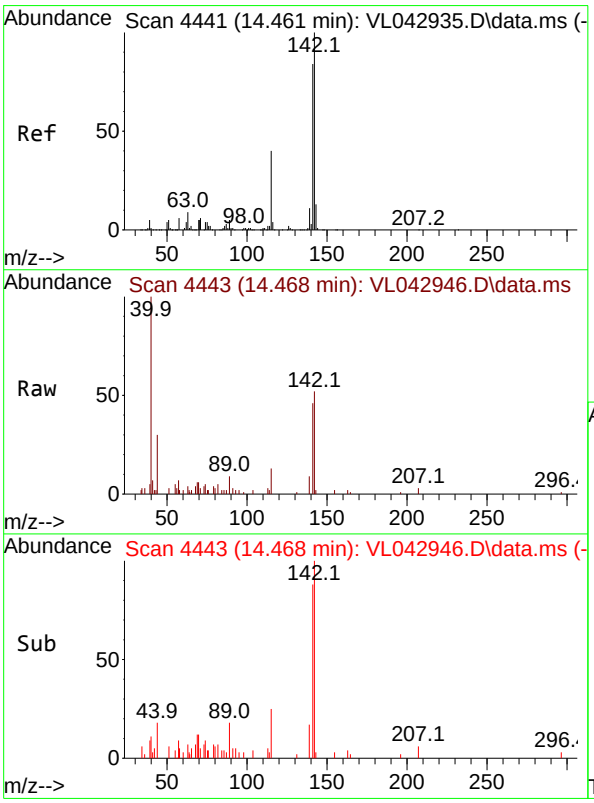
#79
Naphthalene
Concen: 0.418 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 2685

Ion	Ratio	Lower	Upper
128	100		
127	5.1	10.3	15.5#
129	11.5	8.7	13.1

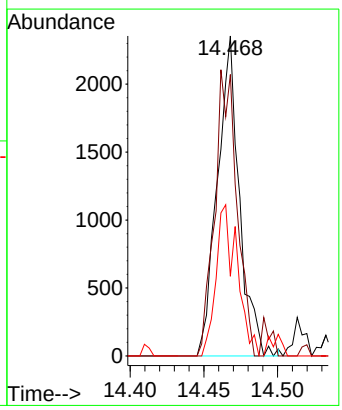


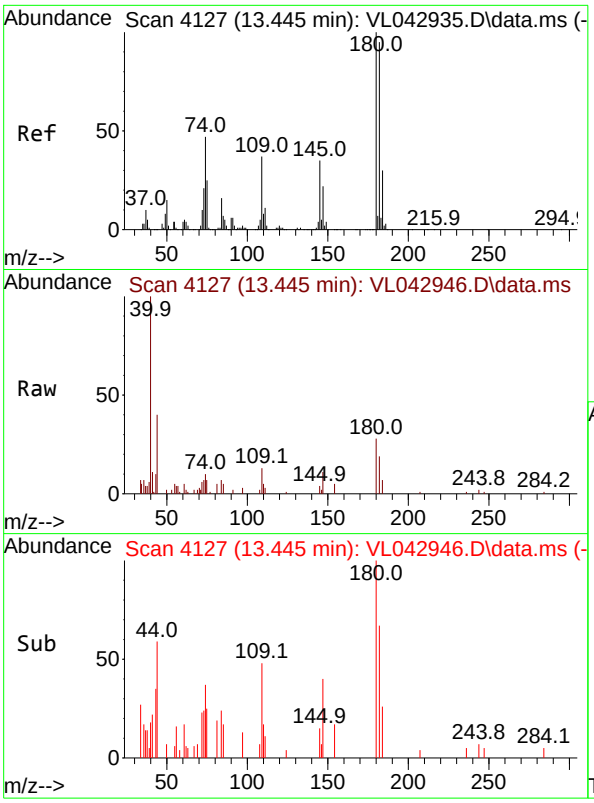


#80
Naphthalene,2-methyl-
Concen: 0.911 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.007 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Tgt Ion:142 Resp: 2456

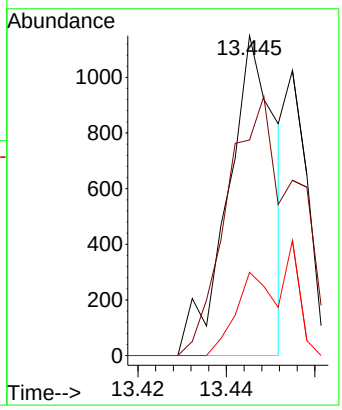
Ion	Ratio	Lower	Upper
142	100		
141	94.5	67.0	100.6
115	45.2	32.0	48.0





#81
1,2,4-Trichlorobenzene
Concen: 0.461 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042946.D
Acq: 18 Sep 2025 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 853

Ion	Ratio	Lower	Upper
180	100		
182	118.6	75.5	113.3#
184	0.0	24.6	37.0#