Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110325\
Data File : VL043139.D
Acq On : 03 Nov 2025 09:48
Operator : SY/MD
Sample : QC103025 CAN 10675
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Quant Time: Nov 04 03:06:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	120331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	398565	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	354160	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	268750	9.763	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.700	85	45	0.003	ppbv #	43
3) Chlorodifluoromethane	1.499	51	23	0.001	ppbv #	1
4) Chloromethane	1.535	50	46	0.007	ppbv #	43
5) Vinyl Chloride	1.619	62	23	0.003	ppbv #	1
6) Bromomethane	1.700	94	79	0.022	ppbv #	4
7) Chloroethane	1.661	64	54	0.020	ppbv #	42
8) Dichlorotetrafluoroethane	1.700	85	45	0.003	ppbv #	50
10) Heptane	4.868	43	30	0.001	ppbv #	79
11) Trichlorofluoromethane	1.696	101	41	0.002	ppbv #	73
12) 1,1,2-Trichlorotrifluo...	1.696	101	41	0.003	ppbv #	16
14) Bromoethene	1.949	108	27	0.005	ppbv #	1
16) 1,3-Butadiene	1.619	39	182	0.024	ppbv #	71
17) tert-Butyl alcohol	2.036	59	199	0.009	ppbv #	1
18) 1,1-Dichloroethene	2.036	96	31	0.005	ppbv #	1
21) Allyl Chloride	2.091	41	107	0.009	ppbv #	21
22) trans-1,2-Dichloroethene	2.396	96	39	0.006	ppbv #	14
23) Vinyl Acetate	2.457	43	292	0.012	ppbv #	53
24) 1,1-Dichloroethane	2.412	63	22	0.002	ppbv #	87
25) Ethyl Acetate	2.832	43	101	0.003	ppbv #	75
26) Hexane	2.823	57	186	0.010	ppbv #	37
27) Carbon Disulfide	2.146	76	49	0.003	ppbv #	60
28) Methyl tert-Butyl Ether	2.460	73	40	0.005	ppbv #	1
29) Chloroform	2.842	83	26	0.001	ppbv #	18
30) Cyclohexane	3.939	84	277	0.017	ppbv #	12
31) cis-1,2-Dichloroethene	2.784	61	31	0.002	ppbv #	25
32) 1,1,1-Trichloroethane	3.179	97	45	0.002	ppbv #	23
35) Carbon Tetrachloride	3.525	117	33	0.001	ppbv #	12
36) Benzene	3.651	78	58	0.002	ppbv #	82
37) 1,2-Dichloroethane	3.208	62	35	0.002	ppbv #	79
38) Trichloroethene	4.185	130	23	0.001	ppbv #	3
40) 1,4-Dioxane	4.532	88	35	0.006	ppbv #	7
41) Tetrahydrofuran	3.046	42	91	0.006	ppbv #	37
42) Bromodichloromethane	4.409	83	27	0.001	ppbv #	25
43) Methyl Methacrylate	4.859	69	40	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	4.545	57	14	0.000	ppbv #	1
47) 1,1,2-Trichloroethane	6.891	97	24	0.002	ppbv #	17
48) Dibromochloromethane	7.066	129	15	0.001	ppbv #	10
50) 4-Methyl-2-Pentanone	5.736	43	38	0.001	ppbv #	38
51) 2-Hexanone	7.412	43	32	0.001	ppbv #	27
53) Toluene	6.448	91	35	0.001	ppbv	87
54) 1,2-Dibromoethane	7.817	107	25	0.001	ppbv #	4
56) 1,1,1,2-Tetrachloroethane	8.934	131	20	0.001	ppbv #	1
58) Ethyl Benzene	9.358	91	43	0.001	ppbv #	44

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Acq On : 03 Nov 2025 09:48
Operator : SY/MD
Sample : QC103025 CAN 10675
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Quant Time: Nov 04 03:06:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) m/p-Xylene	9.532	91	22	0.000	ppbv #	1
60) o-Xylene	9.956	91	108	0.002	ppbv	84
61) Styrene	10.157	104	31	0.001	ppbv #	29
62) Isopropylbenzene	10.387	105	15	0.000	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	10.374	83	134	0.004	ppbv #	1
64) n-propylbenzene	11.209	120	38	0.002	ppbv #	1
65) tert-Butylbenzene	11.520	119	39	0.001	ppbv #	1
66) Benzyl Chloride	11.578	91	24	0.003	ppbv #	1
67) sec-Butylbenzene	11.766	105	400	0.004	ppbv #	57
69) p-Isopropyltoluene	11.918	119	47	0.001	ppbv #	9
70) n-Butylbenzene	12.280	91	37	0.000	ppbv #	66
71) 2-Chlorotoluene	11.355	91	41	0.001	ppbv	90
72) 4-Ethyltoluene	11.109	105	26	0.000	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.202	105	169	0.003	ppbv #	28
74) 1,2,4-Trimethylbenzene	11.536	105	498	0.009	ppbv #	74
75) 1,3-Dichlorobenzene	11.601	146	27	0.001	ppbv #	1
76) 1,4-Dichlorobenzene	11.601	146	27	0.001	ppbv #	1
77) 1,2-Dichlorobenzene	11.947	146	48	0.002	ppbv #	69
78) Hexachloro-1,3-Butadiene	13.879	225	91	0.004	ppbv #	52
79) Naphthalene	13.513	128	290	0.005	ppbv #	75
80) Naphthalene,2-methyl-	14.488	142	49	0.003	ppbv #	41
81) 1,2,4-Trichlorobenzene	13.436	180	11	0.000	ppbv #	1

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

Quantitation Report (QT Reviewed)

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Acq On : 03 Nov 2025 09:48
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Sample : QC103025 CAN 10675
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
QC103025 CAN 10675

Quant Time: Nov 04 03:06:58 2025
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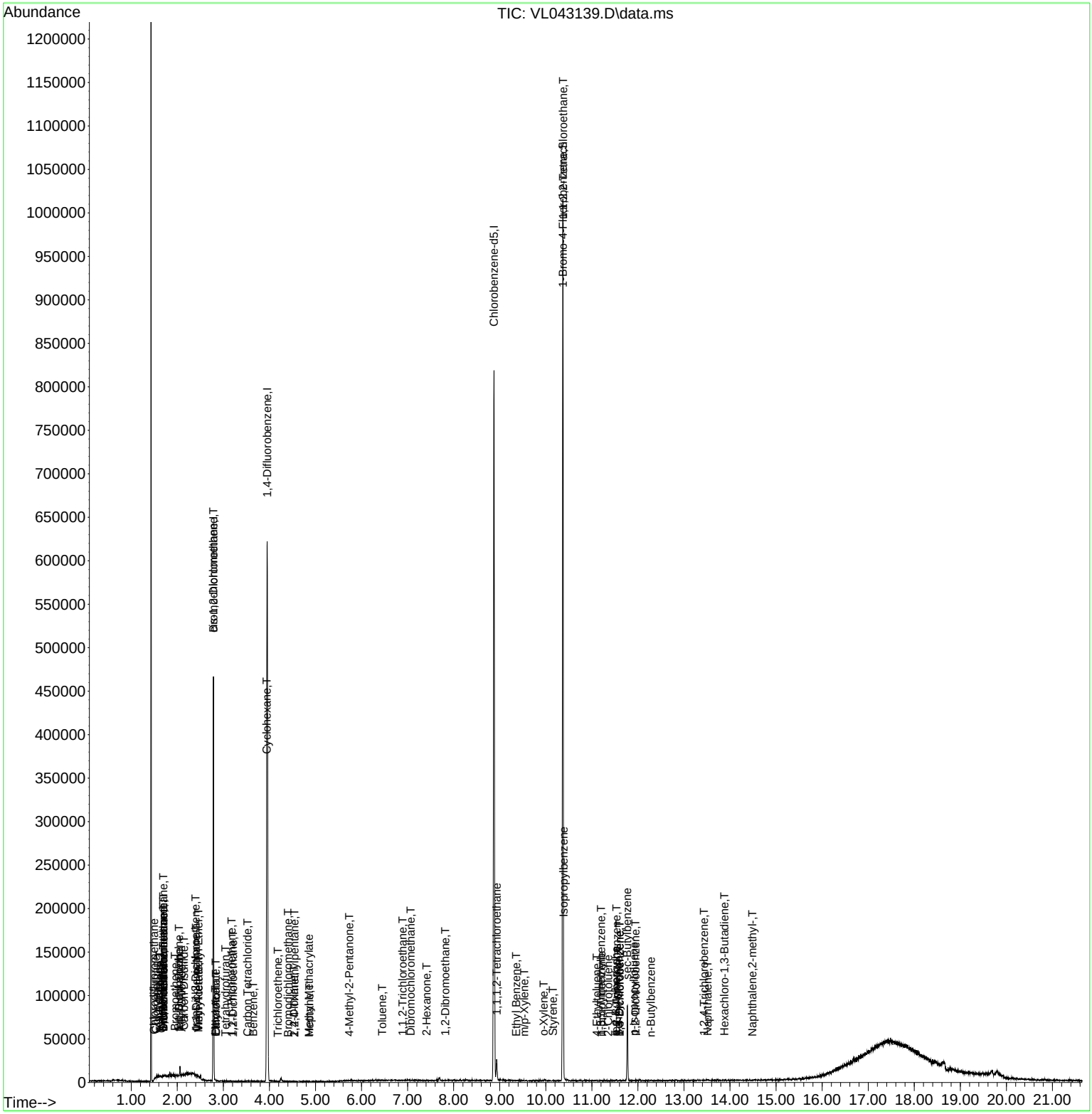
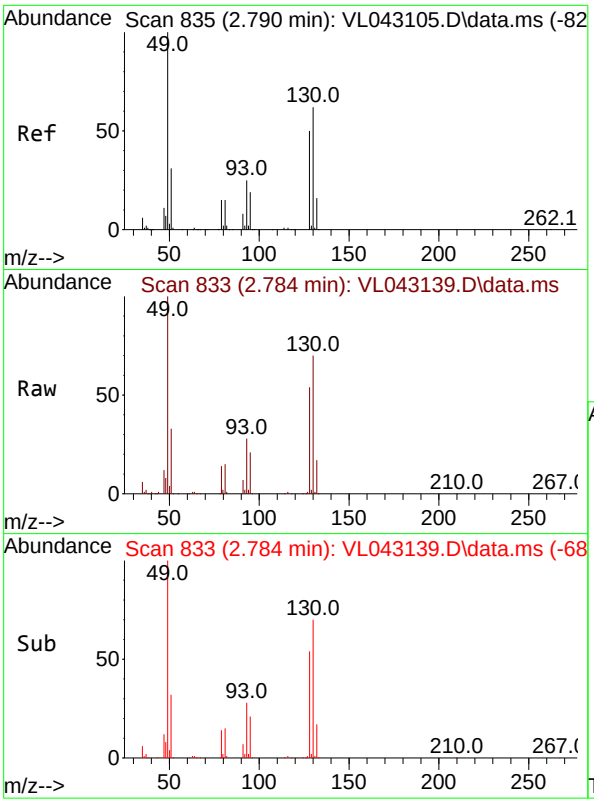
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



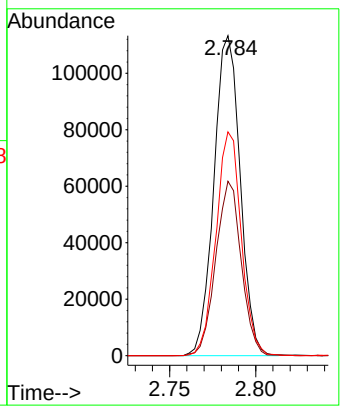


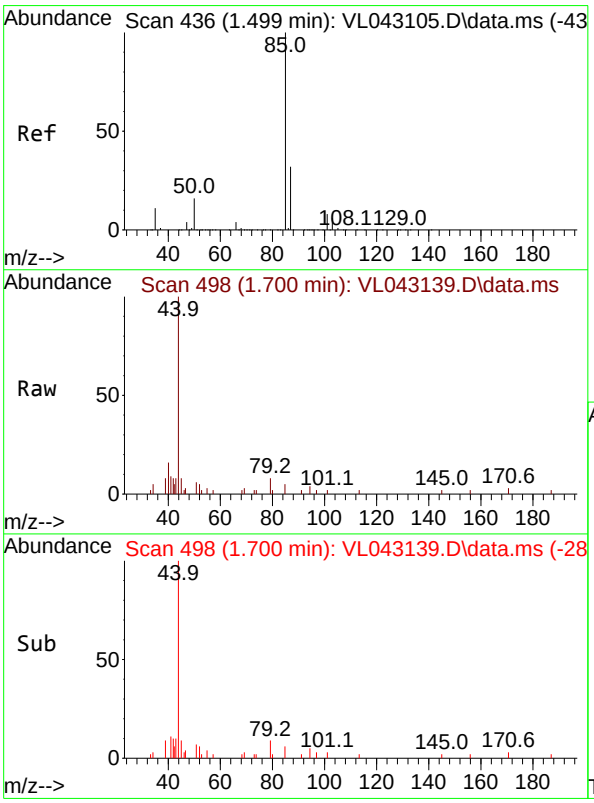
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 49 Resp: 120331

Ion	Ratio	Lower	Upper
49	100		
128	53.0	24.4	73.4
130	67.5	31.0	93.0

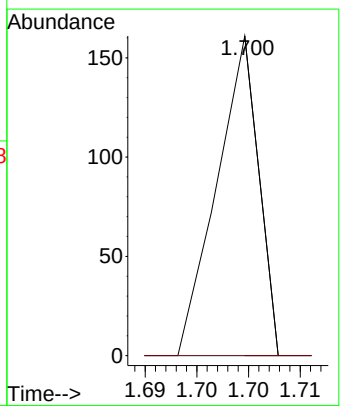


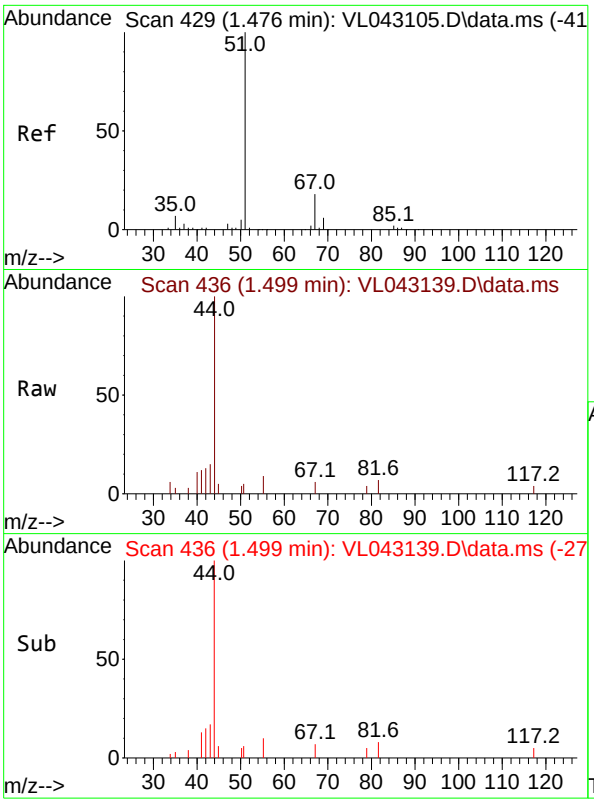


#2
Dichlorodifluoromethane
Concen: 0.003 ppbv
RT: 1.700 min Scan# 498
Delta R.T. 0.201 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 85 Resp: 45

Ion	Ratio	Lower	Upper
85	100		
87	0.0	25.3	37.9#



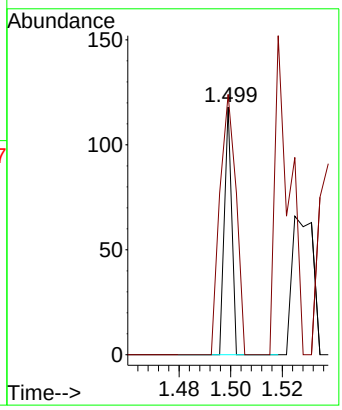


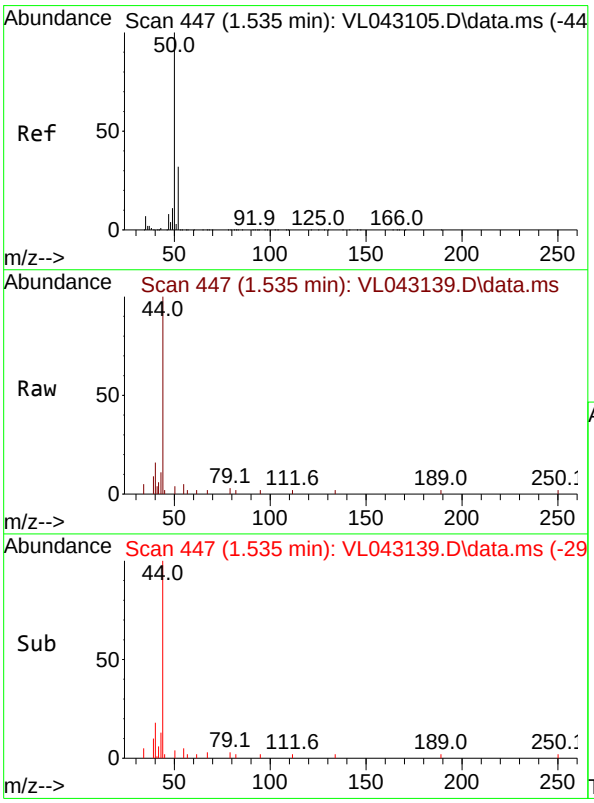
#3
Chlorodifluoromethane
Concen: 0.001 ppbv
RT: 1.499 min Scan# 4
Delta R.T. 0.023 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 51 Resp: 23

Ion	Ratio	Lower	Upper
51	100		
67	234.8	15.1	22.7#

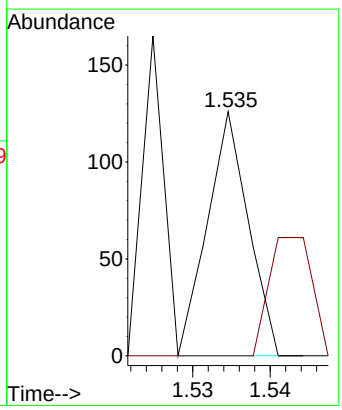


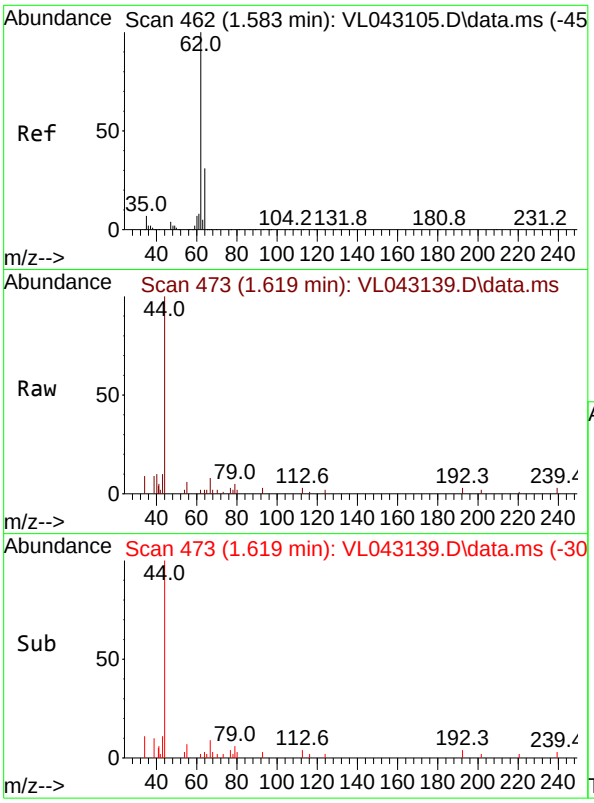


#4
Chloromethane
Concen: 0.007 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 50 Resp: 46

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.2	37.8#



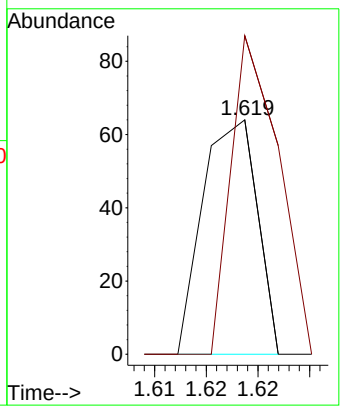


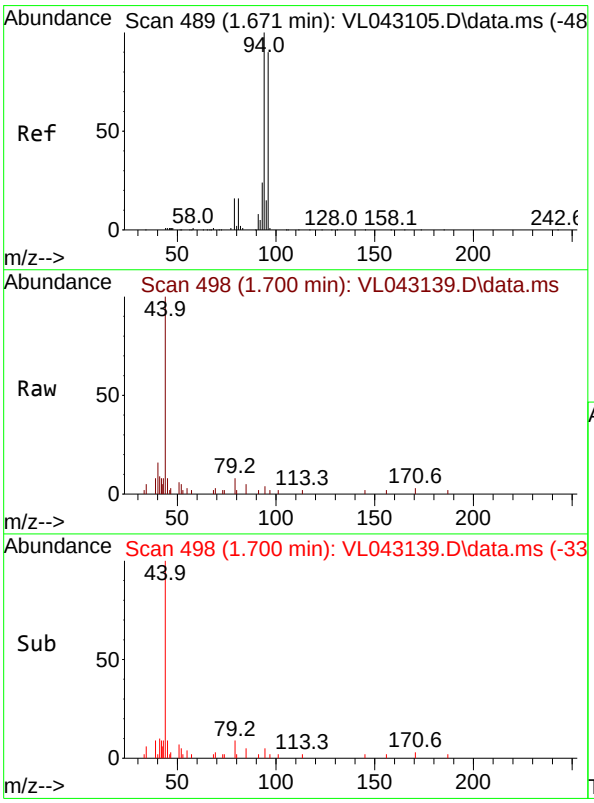
#5
Vinyl Chloride
Concen: 0.003 ppbv
RT: 1.619 min Scan# 4
Delta R.T. 0.036 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 62 Resp: 23

Ion	Ratio	Lower	Upper
62	100		
64	135.9	24.6	36.8#

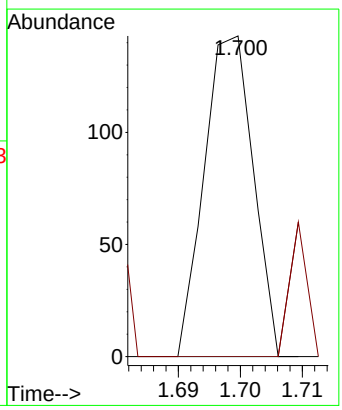


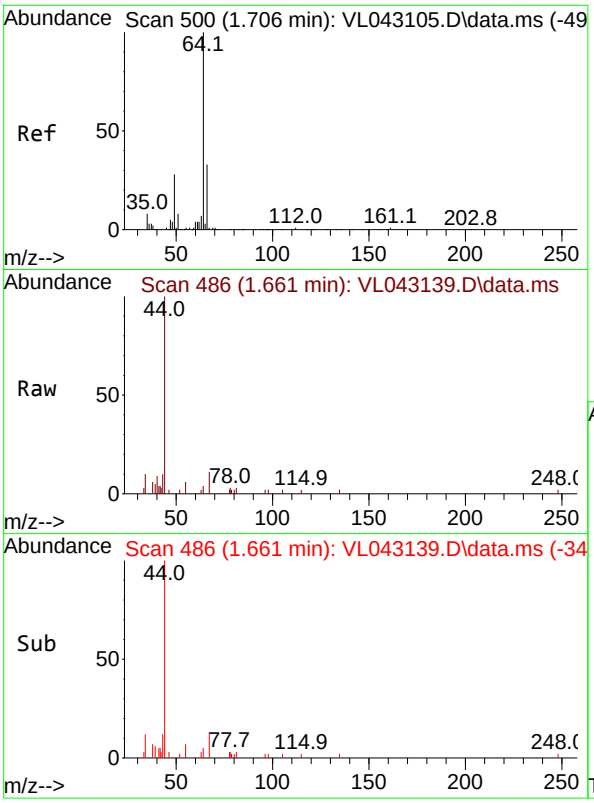


#6
Bromomethane
Concen: 0.022 ppbv
RT: 1.700 min Scan# 498
Delta R.T. 0.029 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 94 Resp: 79

Ion	Ratio	Lower	Upper
94	100		
96	0.0	72.2	108.4#



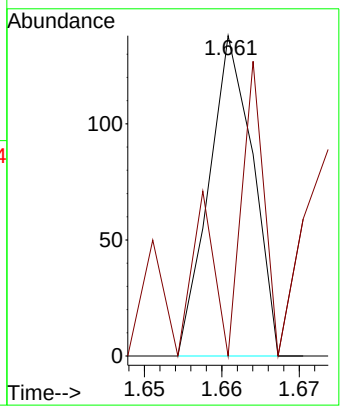


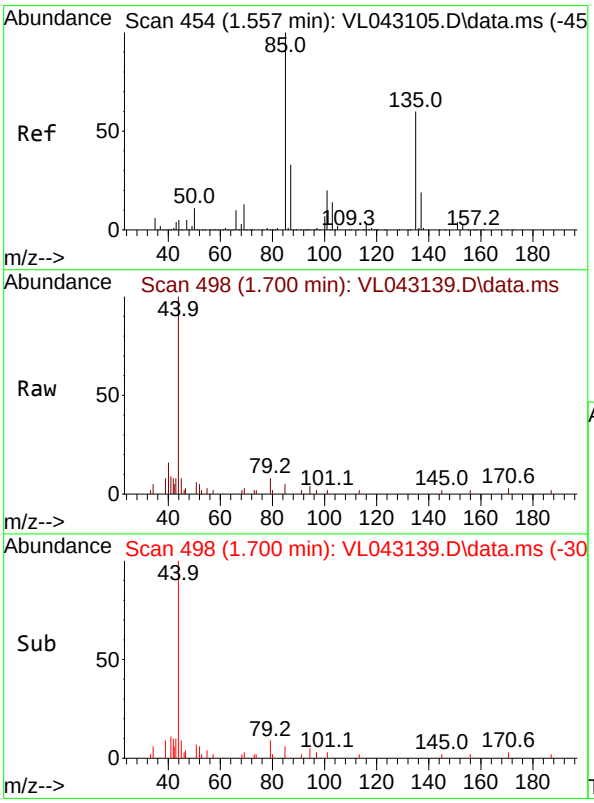
#7
Chloroethane
Concen: 0.020 ppbv
RT: 1.661 min Scan# 4
Delta R.T. -0.045 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 64 Resp: 54

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.0	39.0#

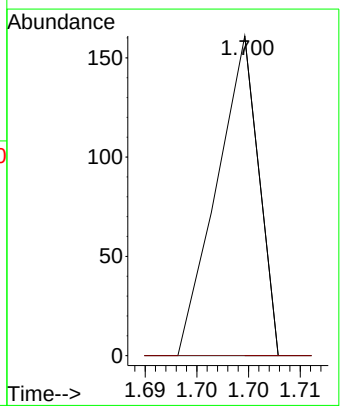


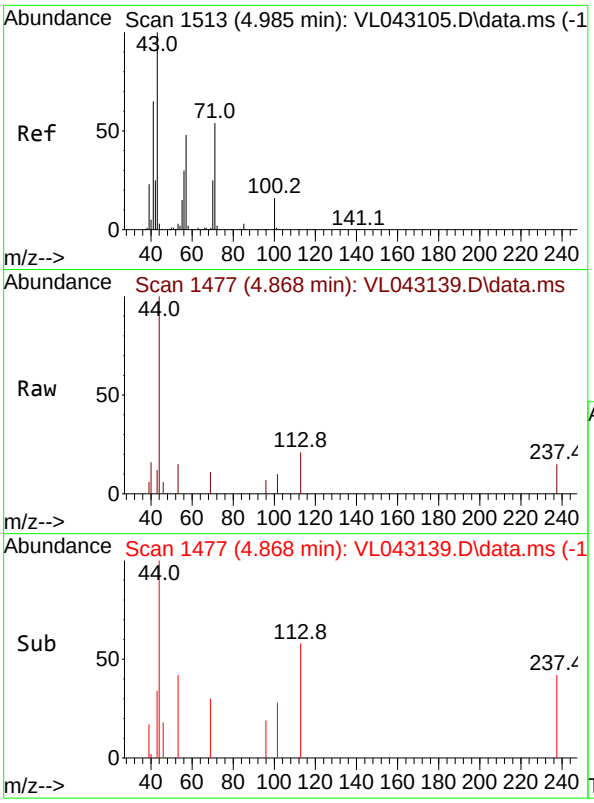


#8
Dichlorotetrafluoroethane
Concen: 0.003 ppbv
RT: 1.700 min Scan# 498
Delta R.T. 0.142 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 85 Resp: 45

Ion	Ratio	Lower	Upper
85	100		
135	22.2	48.2	72.4#



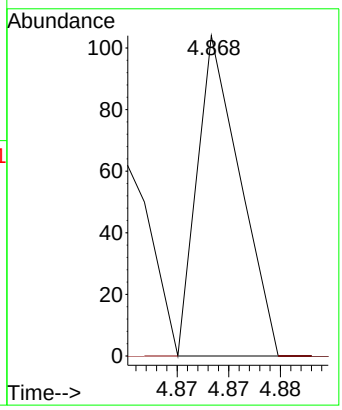


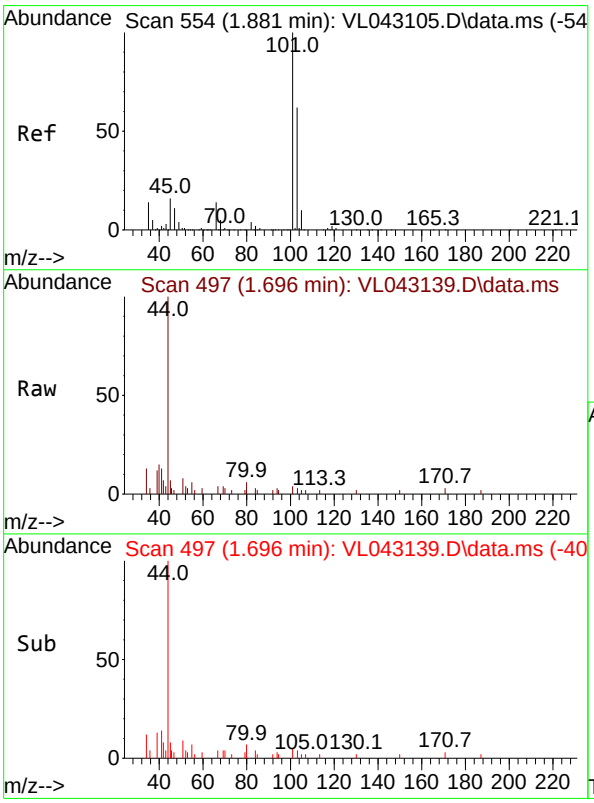
#10
Heptane
Concen: 0.001 ppbv
RT: 4.868 min Scan# 14
Delta R.T. -0.117 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 43 Resp: 30

Ion	Ratio	Lower	Upper
43	100		
57	36.7	40.8	61.2#

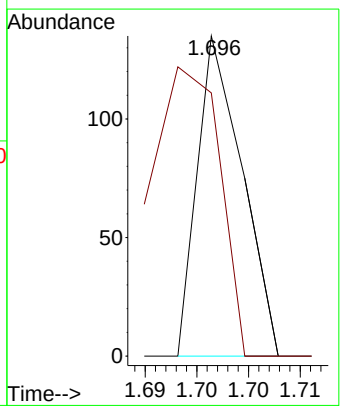


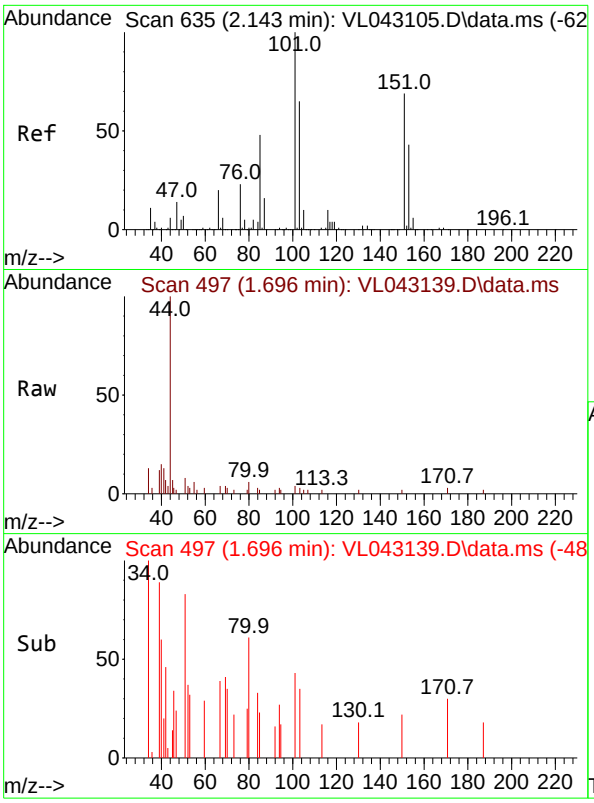


#11
Trichlorofluoromethane
Concen: 0.002 ppbv
RT: 1.696 min Scan# 497
Delta R.T. -0.185 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:101 Resp: 41

Ion	Ratio	Lower	Upper
101	100		
103	82.2	49.3	73.9#



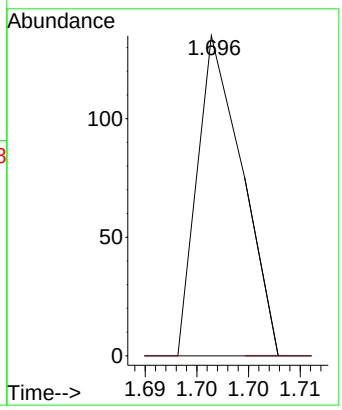


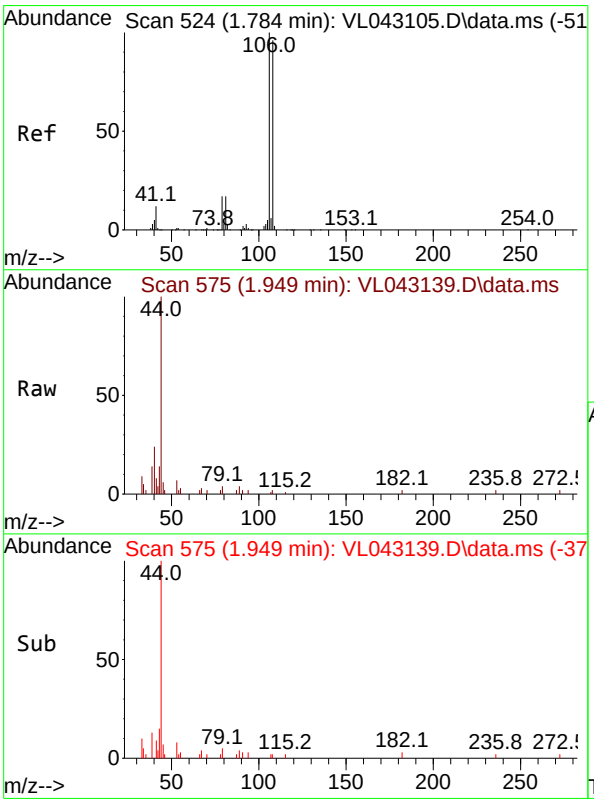
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.003 ppbv
RT: 1.696 min Scan# 4
Delta R.T. -0.447 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:101 Resp: 41

Ion	Ratio	Lower	Upper
101	100		
151	0.0	54.7	82.1#

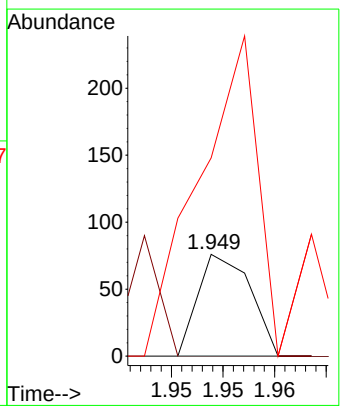


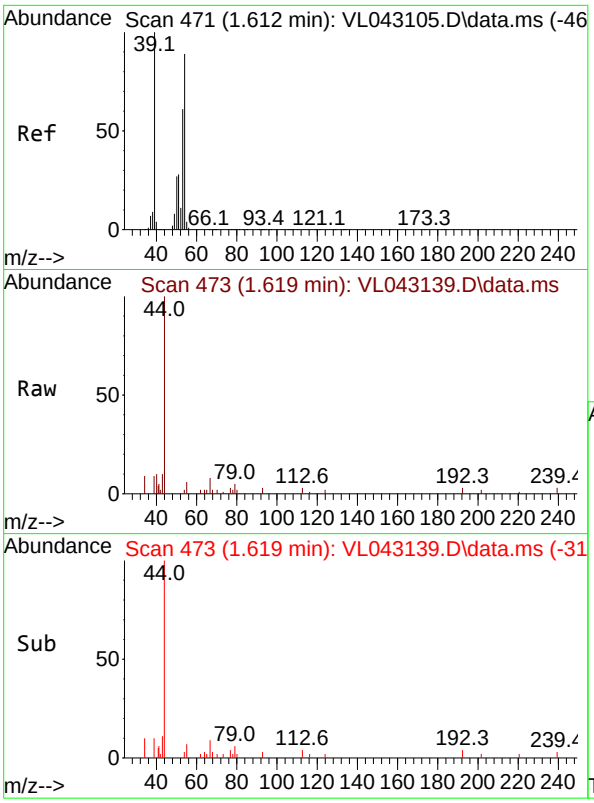


#14
Bromoethene
Concen: 0.005 ppbv
RT: 1.949 min Scan# 575
Delta R.T. 0.165 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:108 Resp: 27

Ion	Ratio	Lower	Upper
108	100		
106	63.0	84.4	126.6#
79	503.7	15.3	22.9#



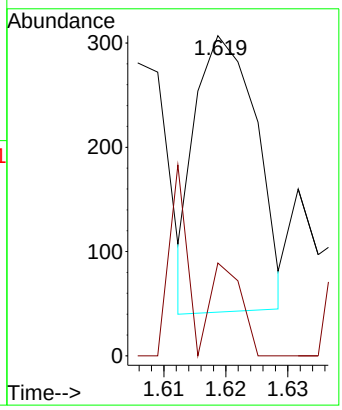


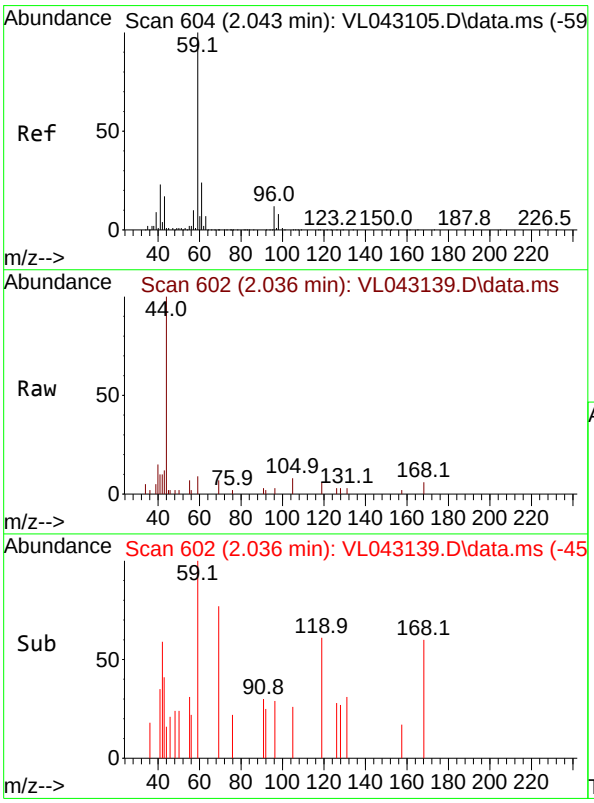
#16
1,3-Butadiene
Concen: 0.024 ppbv
RT: 1.619 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 39 Resp: 182

Ion	Ratio	Lower	Upper
39	100		
54	48.9	59.0	88.4#

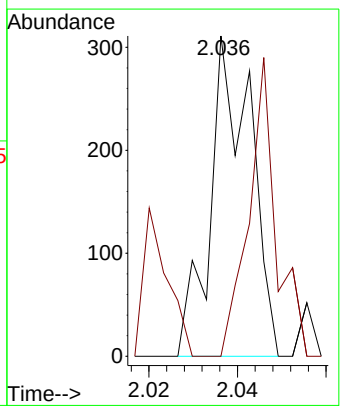


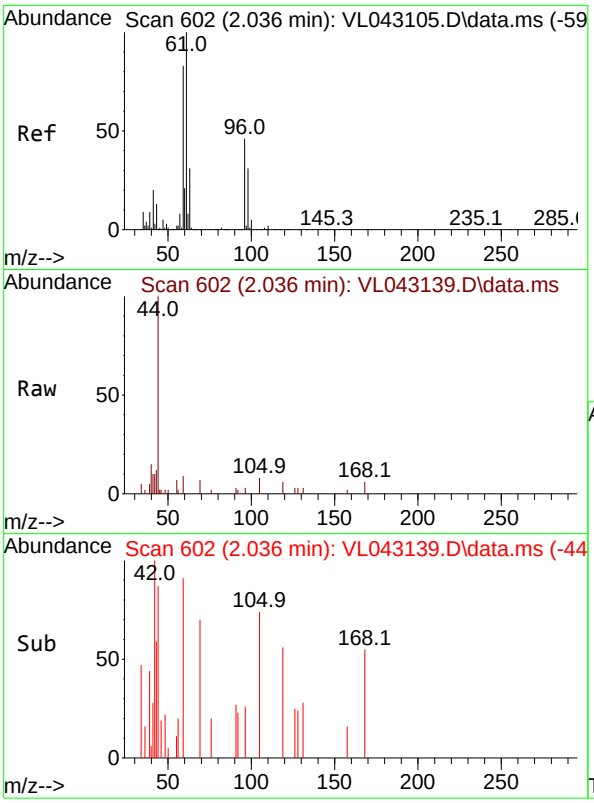


#17
tert-Butyl alcohol
Concen: 0.009 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.006 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 59 Resp: 199

Ion	Ratio	Lower	Upper
59	100		
57	62.3	8.2	12.4#



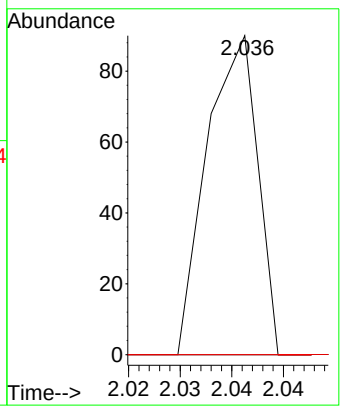


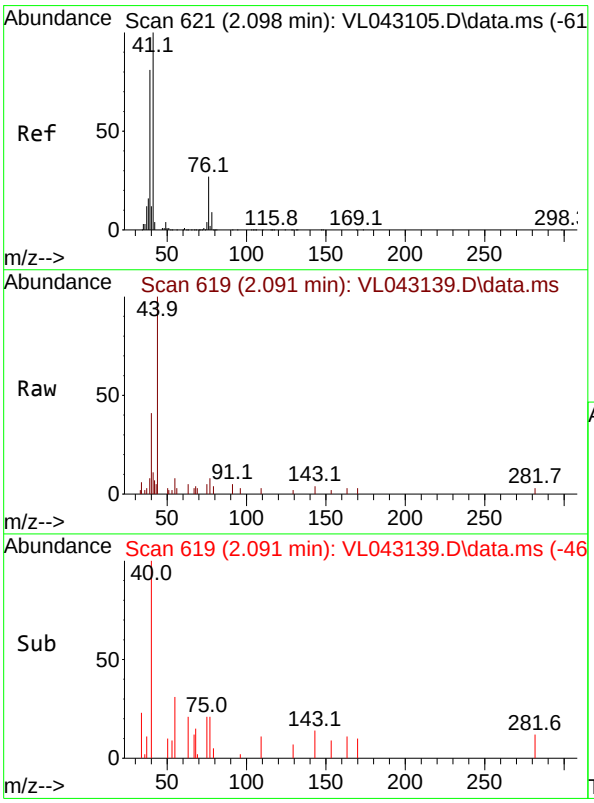
#18
1,1-Dichloroethene
Concen: 0.005 ppbv
RT: 2.036 min Scan# 6(
Delta R.T. -0.000 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 96 Resp: 31

Ion	Ratio	Lower	Upper
96	100		
61	0.0	173.4	260.0#
98	0.0	53.2	79.8#

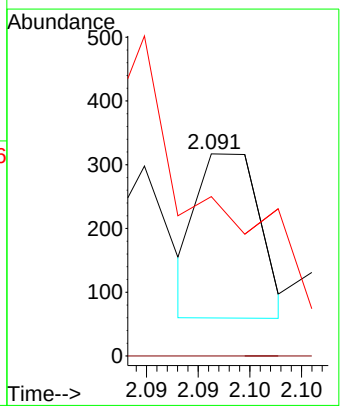


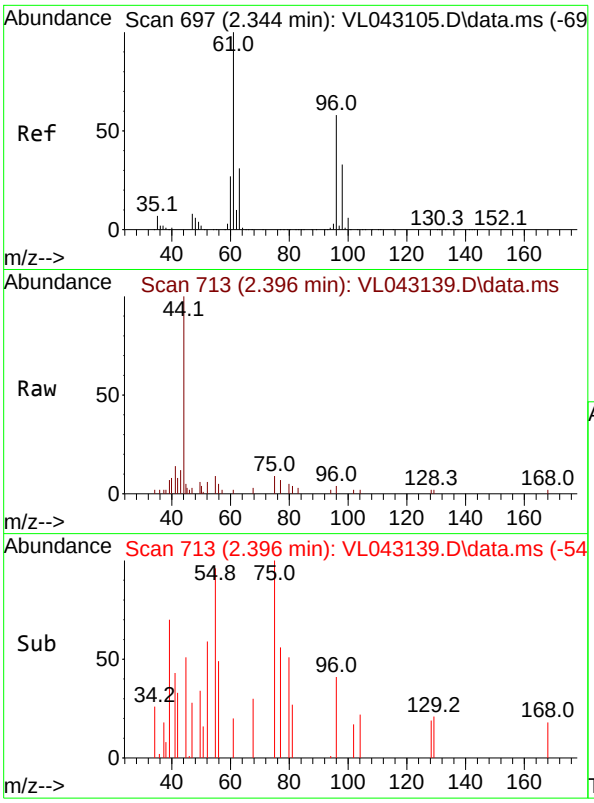


#21
Allyl Chloride
Concen: 0.009 ppbv
RT: 2.091 min Scan# 619
Delta R.T. -0.006 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 41 Resp: 107

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.5	32.3#
39	0.0	60.8	91.2#



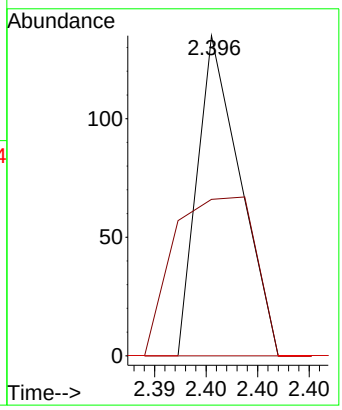


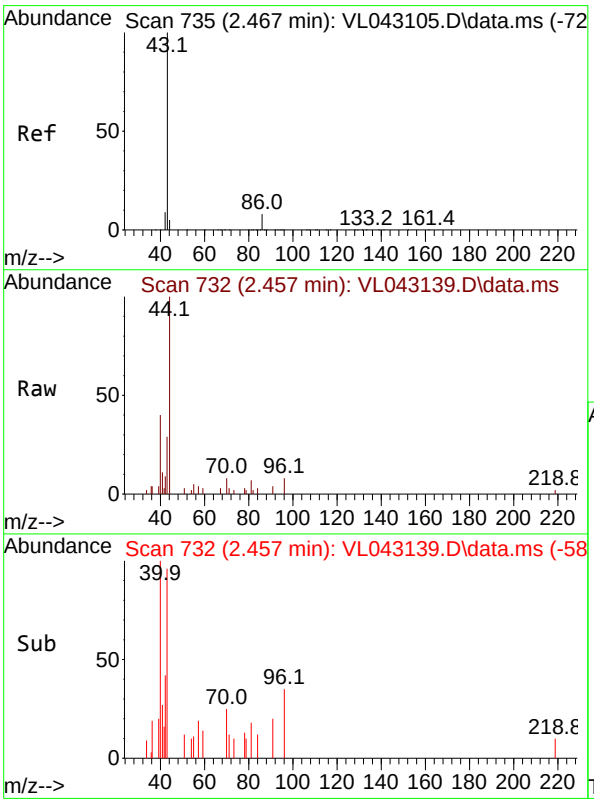
#22
trans-1,2-Dichloroethene
Concen: 0.006 ppbv
RT: 2.396 min Scan# 71
Delta R.T. 0.052 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 96 Resp: 39

Ion	Ratio	Lower	Upper
96	100		
61	48.9	137.0	205.6#
98	0.0	45.5	68.3#

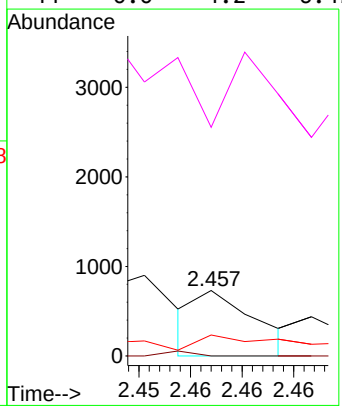


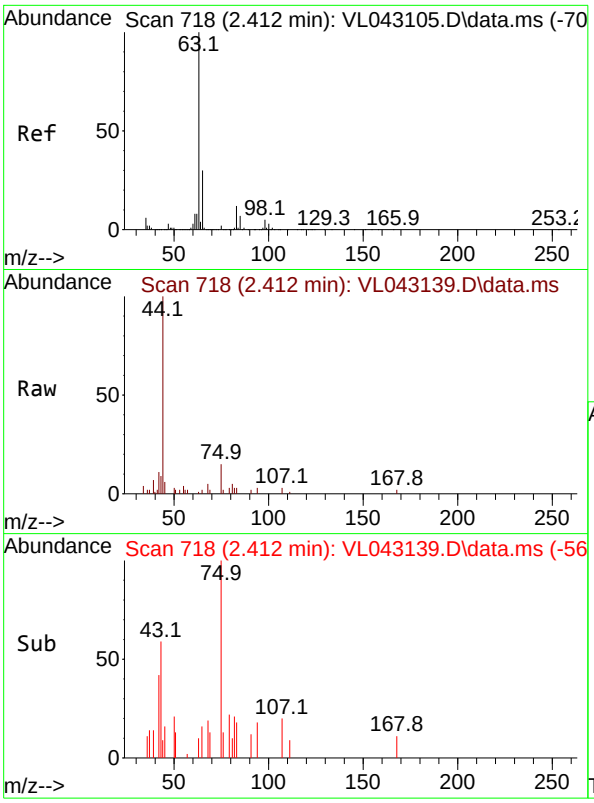


#23
Vinyl Acetate
Concen: 0.012 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.010 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 43 Resp: 292

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	40.1	7.6	11.4#
44	0.0	4.2	6.4#



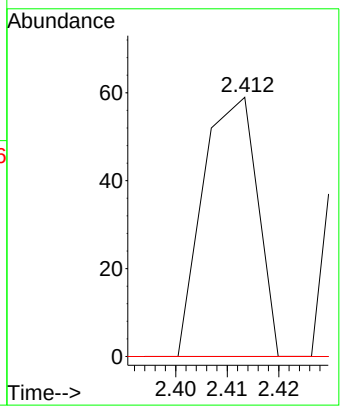


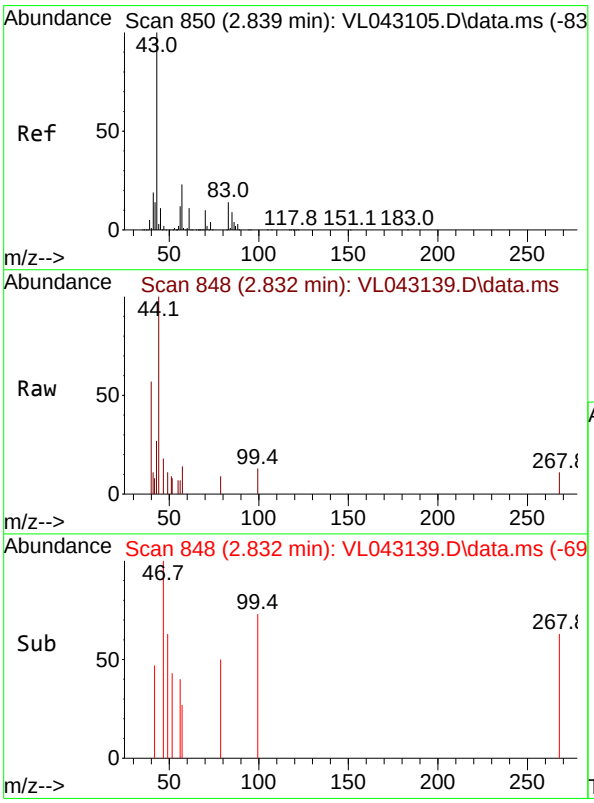
#24
1,1-Dichloroethane
Concen: 0.002 ppbv
RT: 2.412 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 63 Resp: 22

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.6	7.8#
100	0.0	1.5	4.4#

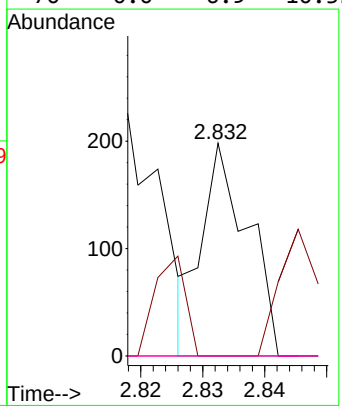


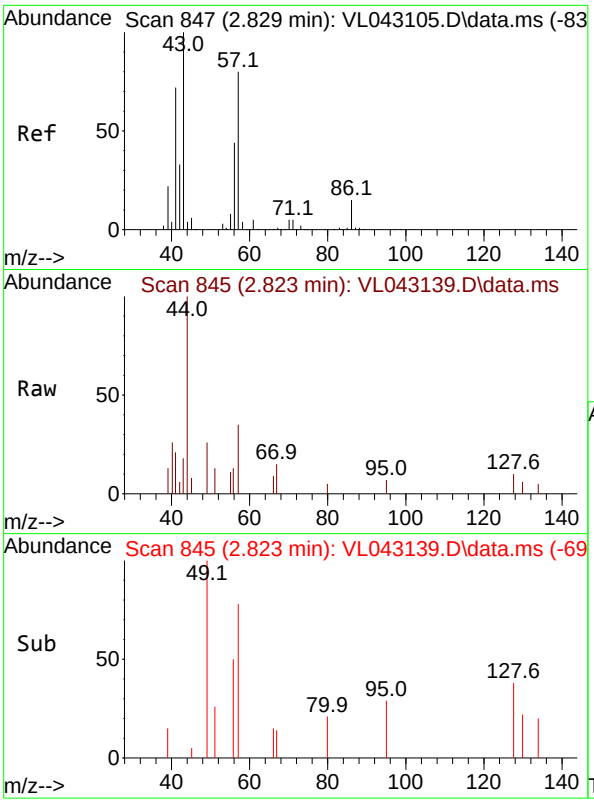


#25
Ethyl Acetate
Concen: 0.003 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.006 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 43 Resp: 101

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.8#
61	0.0	7.0	10.6#
70	0.0	6.9	10.3#



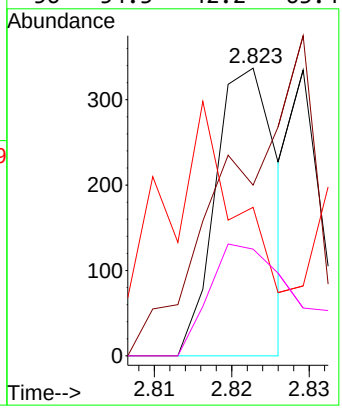


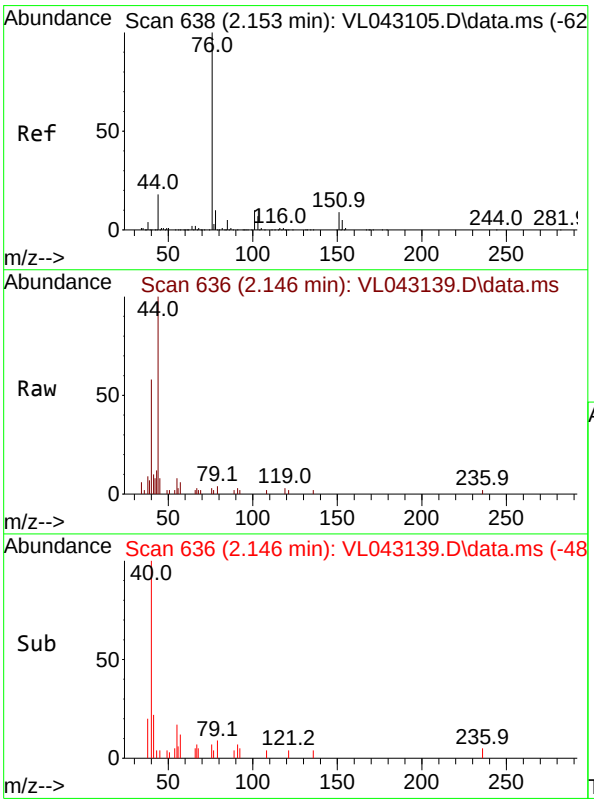
#26
Hexane
Concen: 0.010 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.006 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 57 Resp: 186

Ion	Ratio	Lower	Upper
57	100		
41	0.0	71.4	107.0#
43	327.4	178.5	267.7#
56	54.3	42.2	63.4

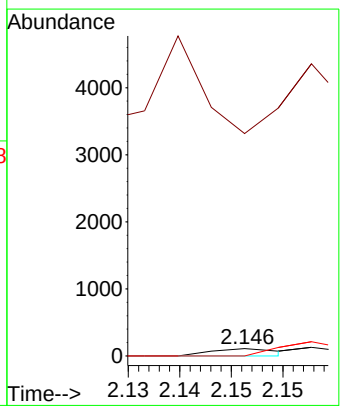


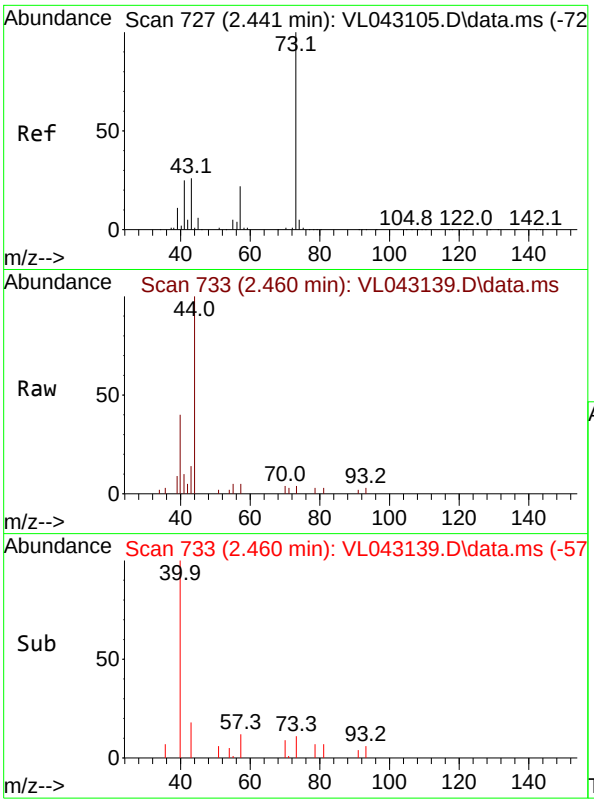


#27
Carbon Disulfide
Concen: 0.003 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.006 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 76 Resp: 49

Ion	Ratio	Lower	Upper
76	100		
44	0.0	16.7	25.1#
78	0.0	9.3	13.9#



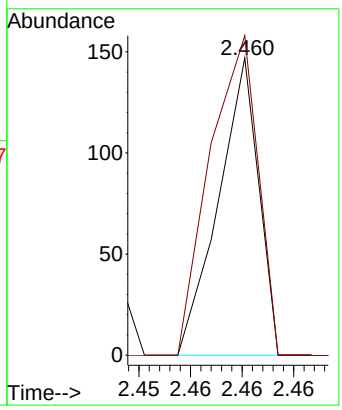


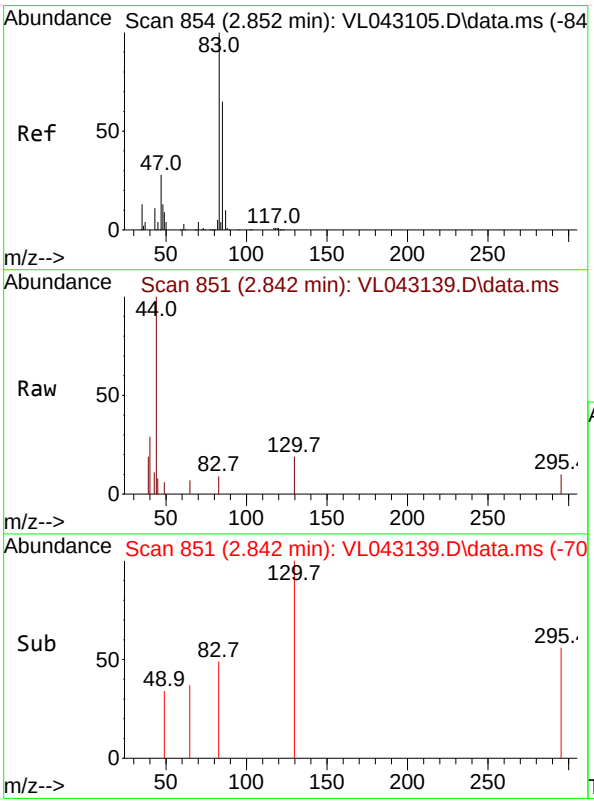
#28
Methyl tert-Butyl Ether
Concen: 0.005 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.019 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 73 Resp: 40

Ion	Ratio	Lower	Upper
73	100		
57	167.5	20.5	30.7#

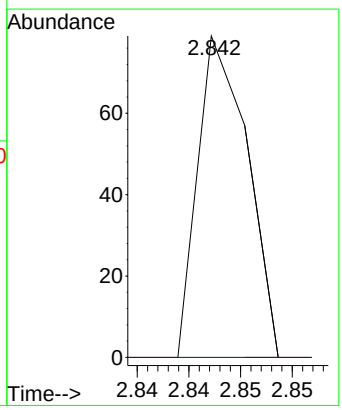


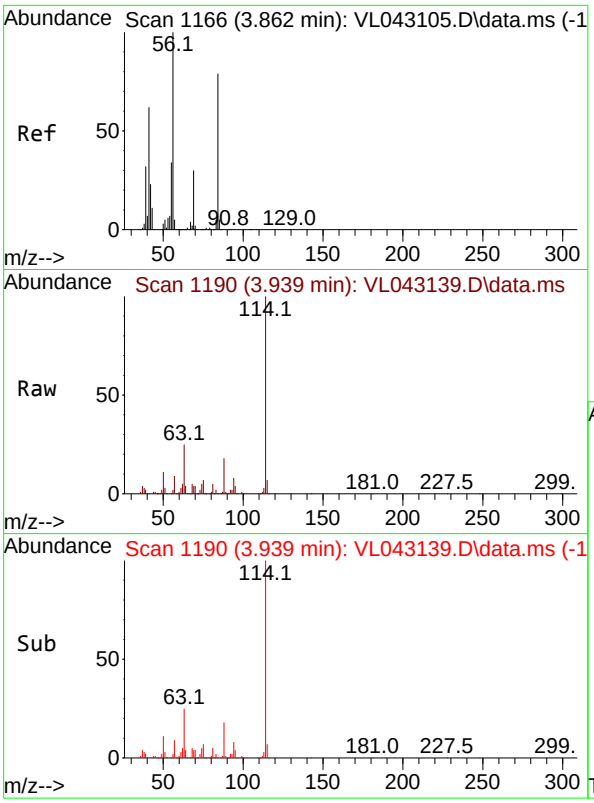


#29
Chloroform
Concen: 0.001 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.010 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 83 Resp: 26

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#



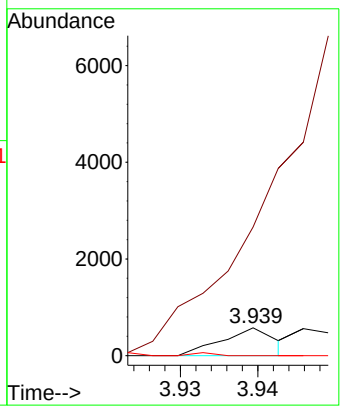


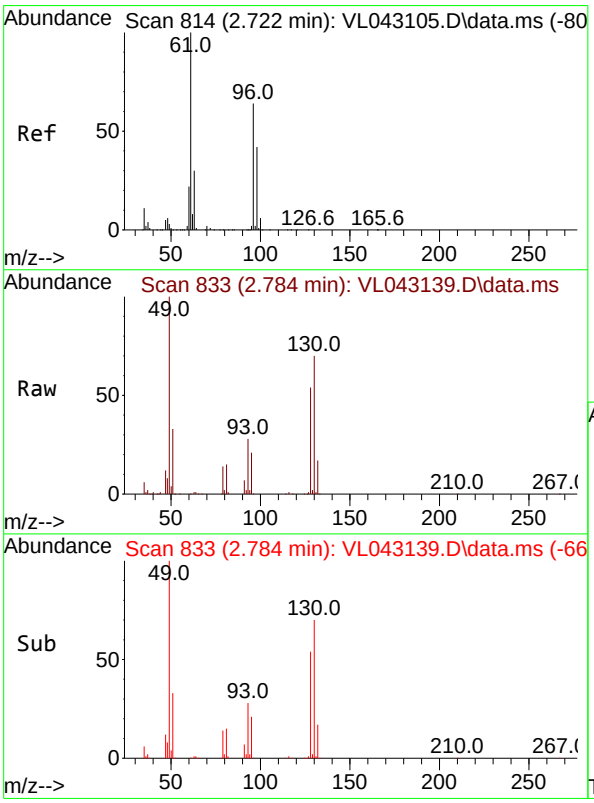
#30
Cyclohexane
Concen: 0.017 ppbv
RT: 3.939 min Scan# 11
Delta R.T. 0.078 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 84 Resp: 277

Ion	Ratio	Lower	Upper
84	100		
56	0.0	100.9	151.3#
41	32.1	63.8	95.6#

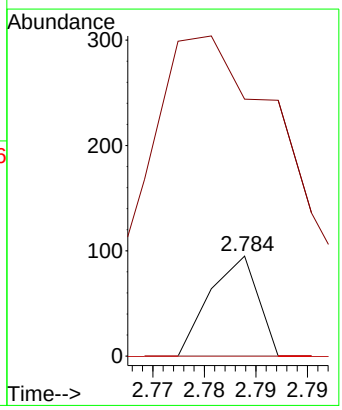


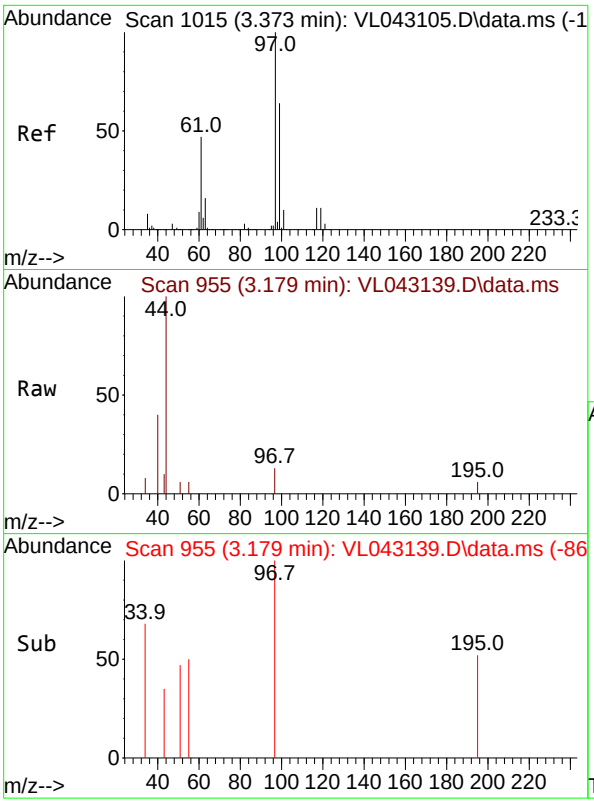


#31
cis-1,2-Dichloroethene
Concen: 0.002 ppbv
RT: 2.784 min Scan# 833
Delta R.T. 0.061 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 61 Resp: 31

Ion	Ratio	Lower	Upper
61	100		
96	1.1	51.0	76.6#
98	0.0	33.5	50.3#



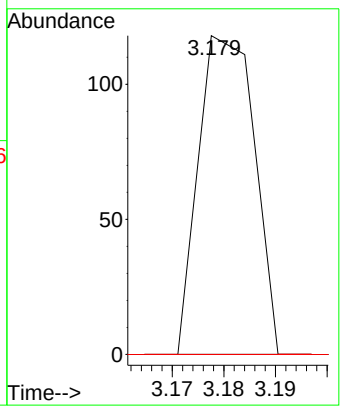


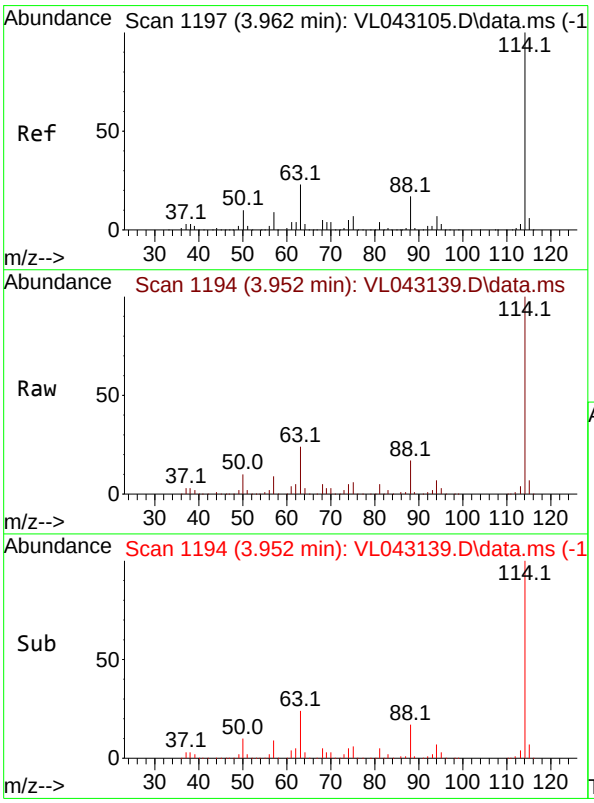
#32
1,1,1-Trichloroethane
Concen: 0.002 ppbv
RT: 3.179 min Scan# 9
Delta R.T. -0.194 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 97 Resp: 45

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	0.0	38.4	57.6#

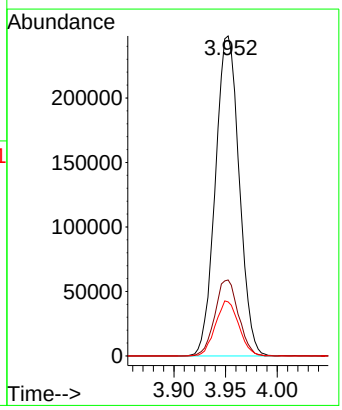


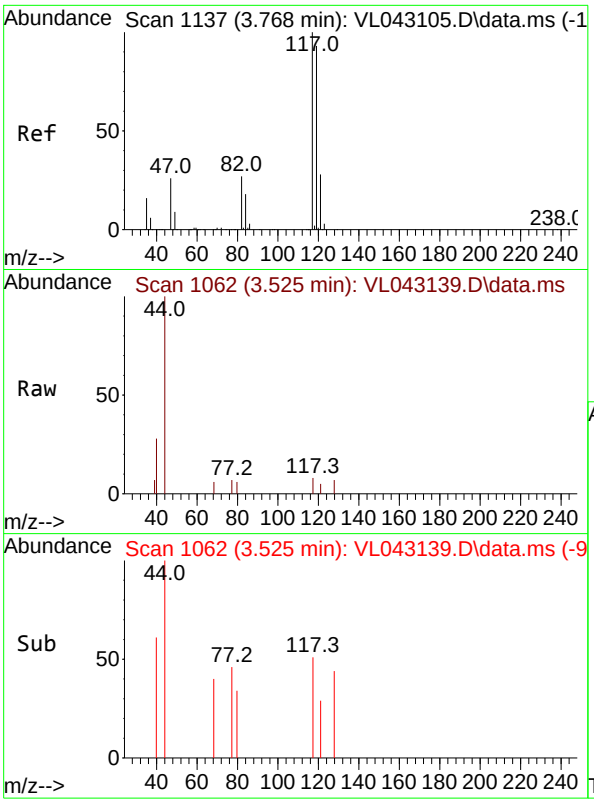


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.010 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:114 Resp: 398565

Ion	Ratio	Lower	Upper
114	100		
63	23.5	19.3	28.9
88	16.9	13.9	20.9



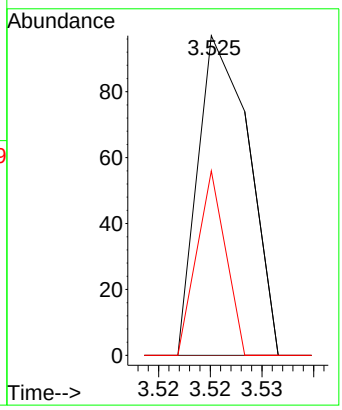


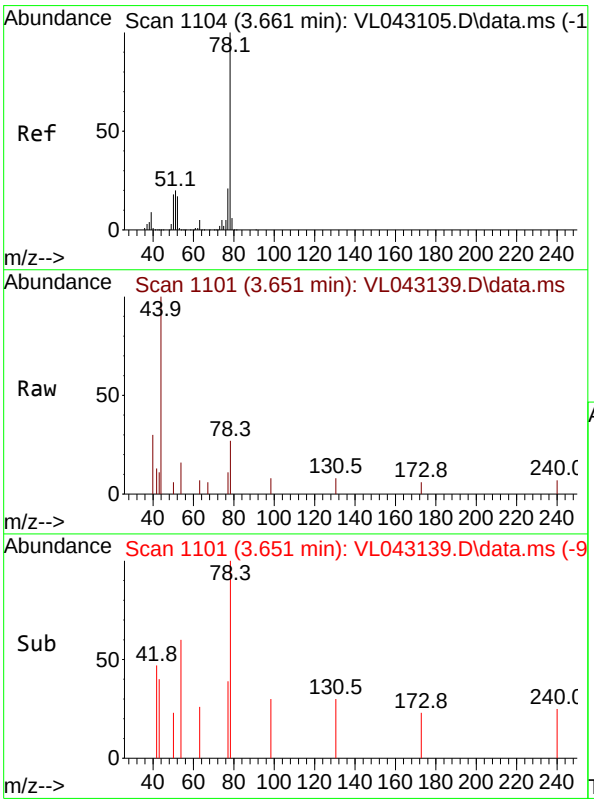
#35
Carbon Tetrachloride
Concen: 0.001 ppbv
RT: 3.525 min Scan# 1
Delta R.T. -0.243 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:117 Resp: 33

Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.1	111.1#
121	57.7	22.2	33.2#

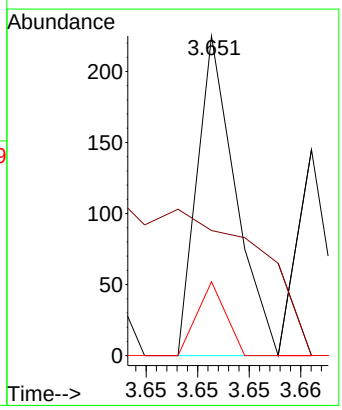


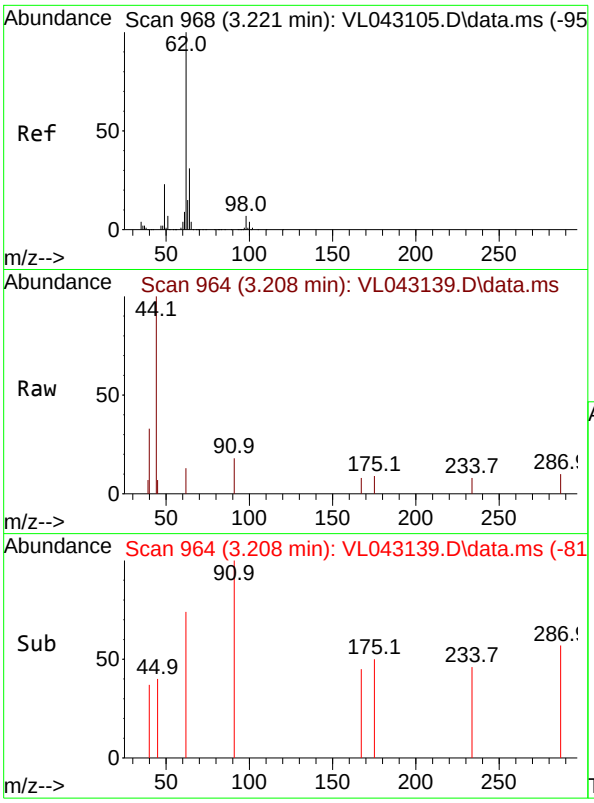


#36
Benzene
Concen: 0.002 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.010 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 78 Resp: 58

Ion	Ratio	Lower	Upper
78	100		
77	10.2	17.0	25.6#
50	23.1	14.6	22.0#



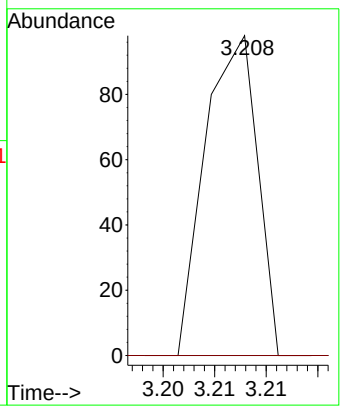


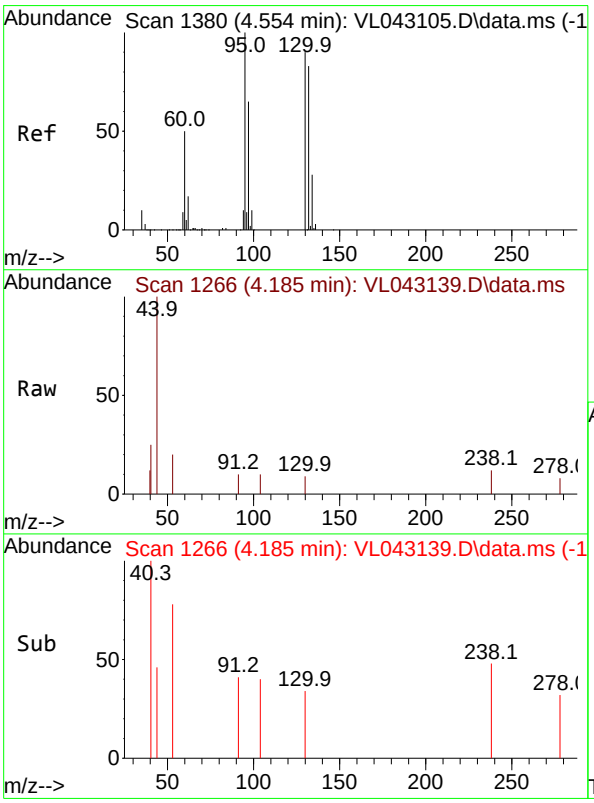
#37
1,2-Dichloroethane
Concen: 0.002 ppbv
RT: 3.208 min Scan# 9
Delta R.T. -0.013 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 62 Resp: 35

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.8	8.6#

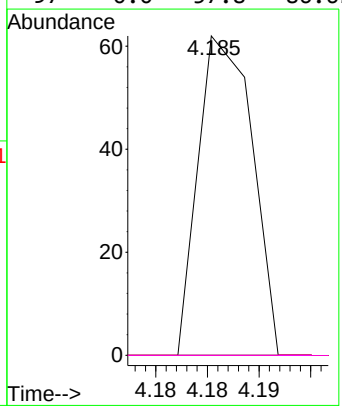


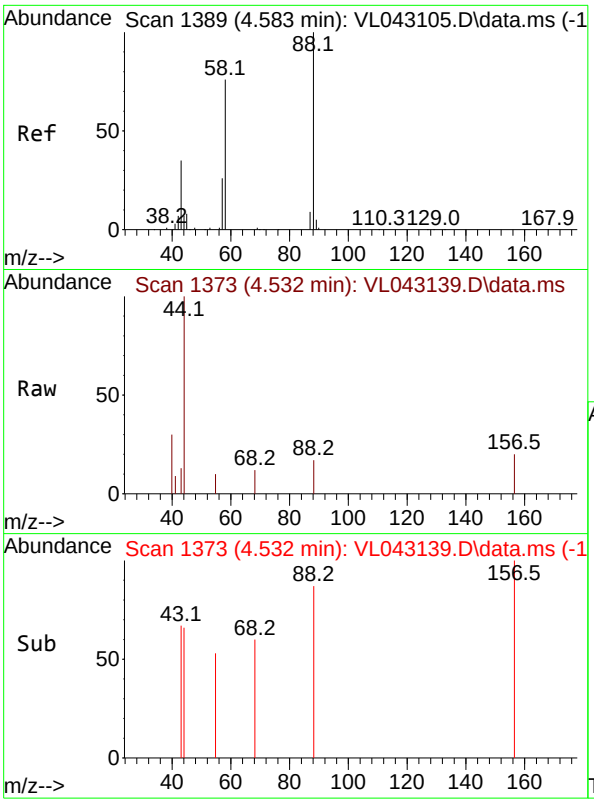


#38
Trichloroethene
Concen: 0.001 ppbv
RT: 4.185 min Scan# 1266
Delta R.T. -0.369 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:130 Resp: 23

Ion	Ratio	Lower	Upper
130	100		
95	0.0	88.6	133.0#
132	0.0	73.4	110.0#
97	0.0	57.8	86.6#



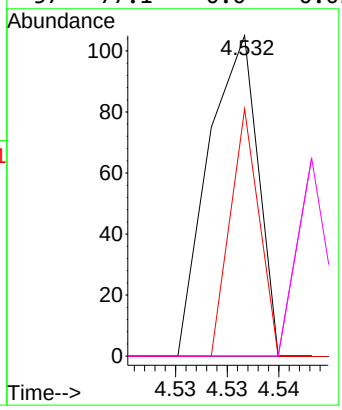


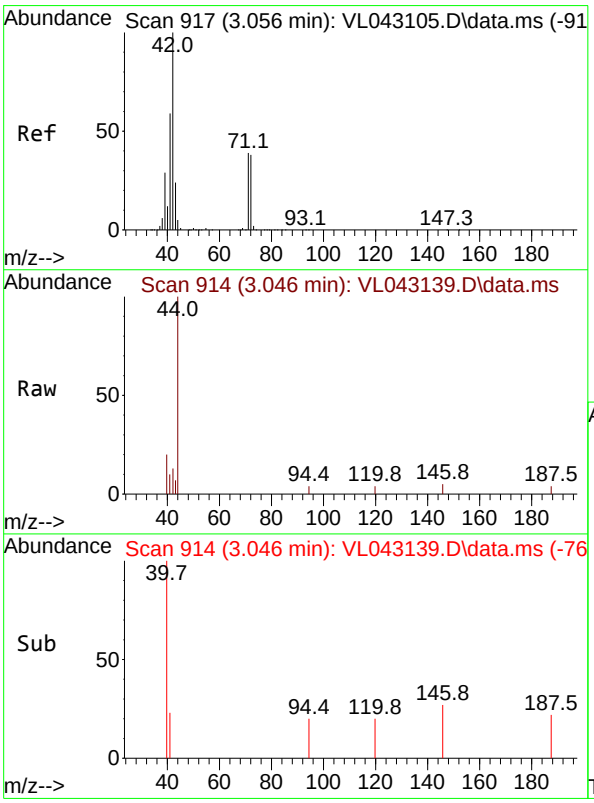
#40
1,4-Dioxane
Concen: 0.006 ppbv
RT: 4.532 min Scan# 1
Delta R.T. -0.052 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 88 Resp: 35

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	85.7	24.0	36.0#
57	77.1	0.0	0.0#

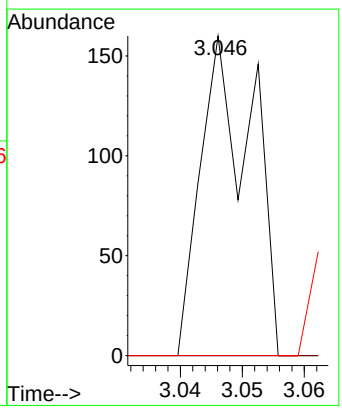


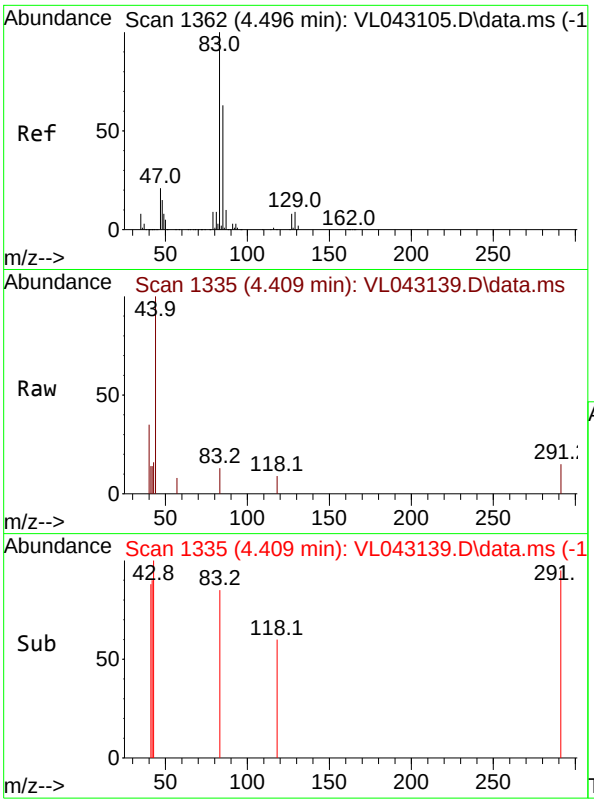


#41
Tetrahydrofuran
Concen: 0.006 ppbv
RT: 3.046 min Scan# 914
Delta R.T. -0.010 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 42 Resp: 91

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.3	46.9#
71	0.0	30.4	45.6#



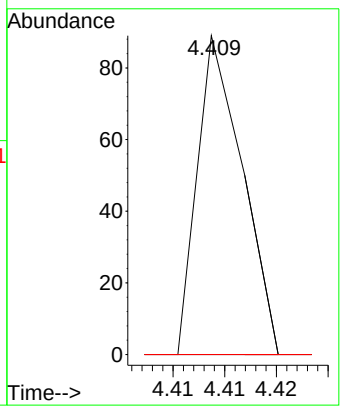


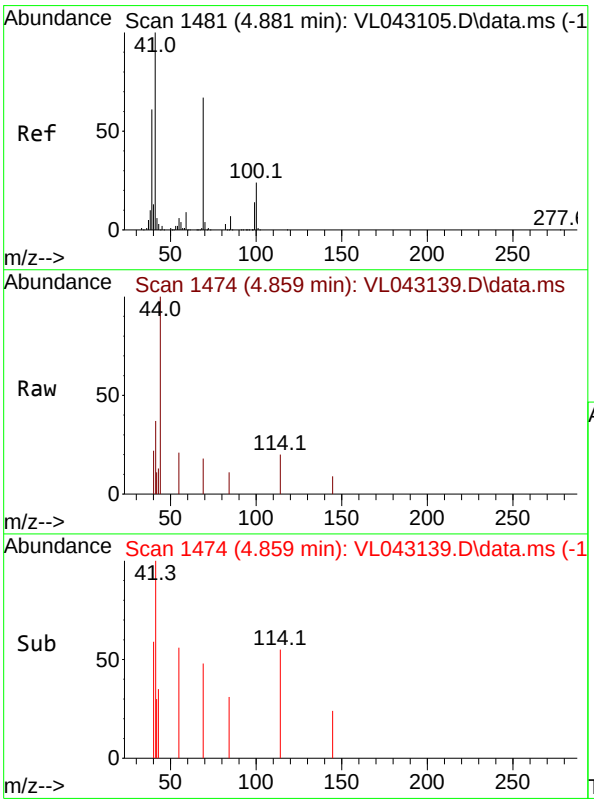
#42
Bromodichloromethane
Concen: 0.001 ppbv
RT: 4.409 min Scan# 1
Delta R.T. -0.087 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 83 Resp: 27

Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.6	75.8#
127	0.0	6.3	9.5#

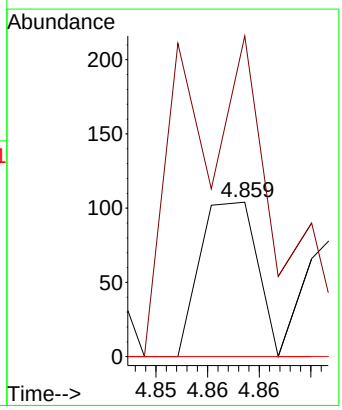


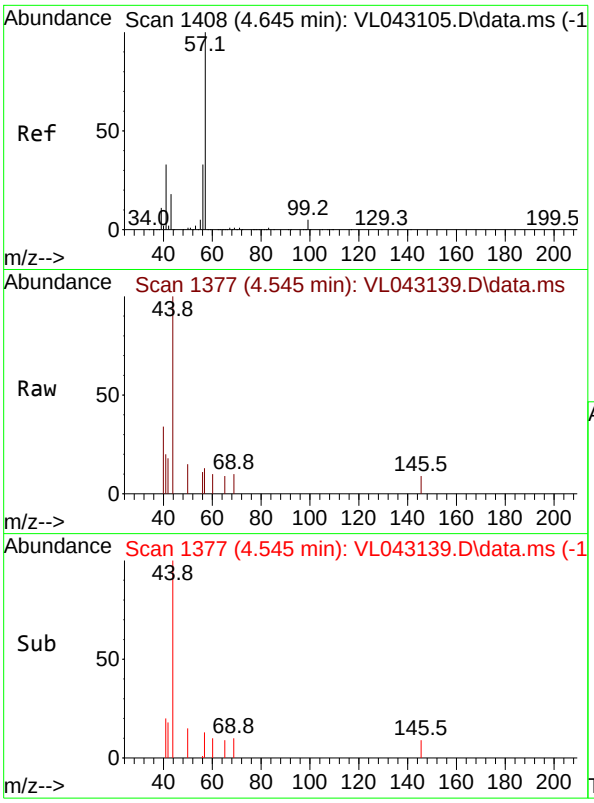


#43
Methyl Methacrylate
Concen: 0.002 ppbv
RT: 4.859 min Scan# 1474
Delta R.T. -0.023 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 69 Resp: 40

Ion	Ratio	Lower	Upper
69	100		
41	332.5	120.5	180.7#
100	0.0	29.0	43.4#



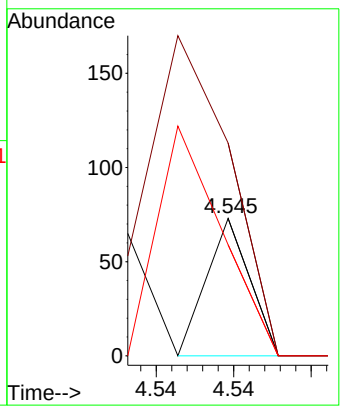


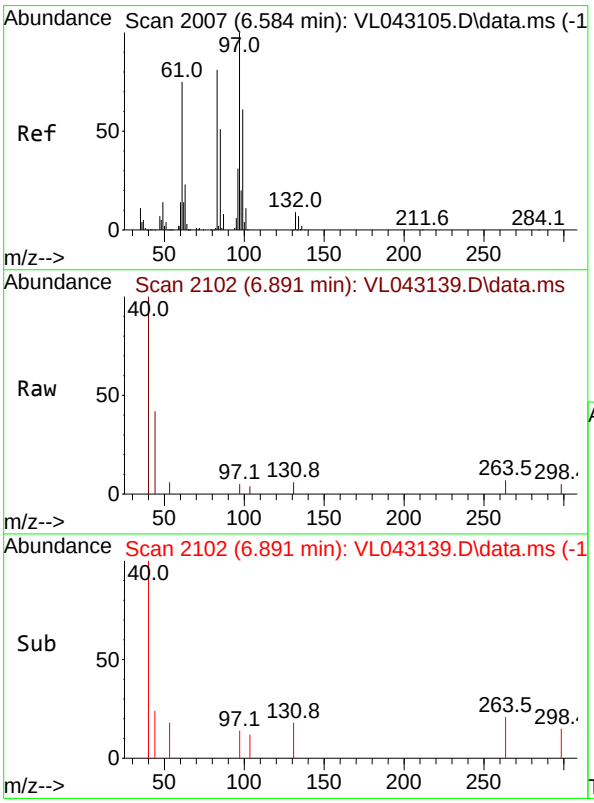
#44
2,2,4-Trimethylpentane
Concen: 0.000 ppbv
RT: 4.545 min Scan# 1
Delta R.T. -0.100 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 57 Resp: 14

Ion	Ratio	Lower	Upper
57	100		
41	935.7	26.3	39.5#
56	250.0	25.9	38.9#

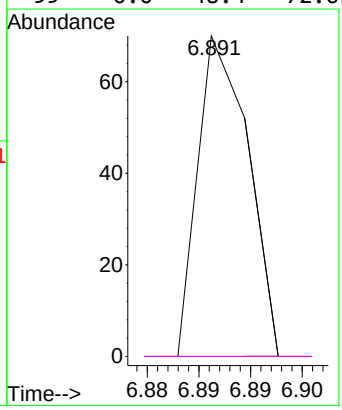


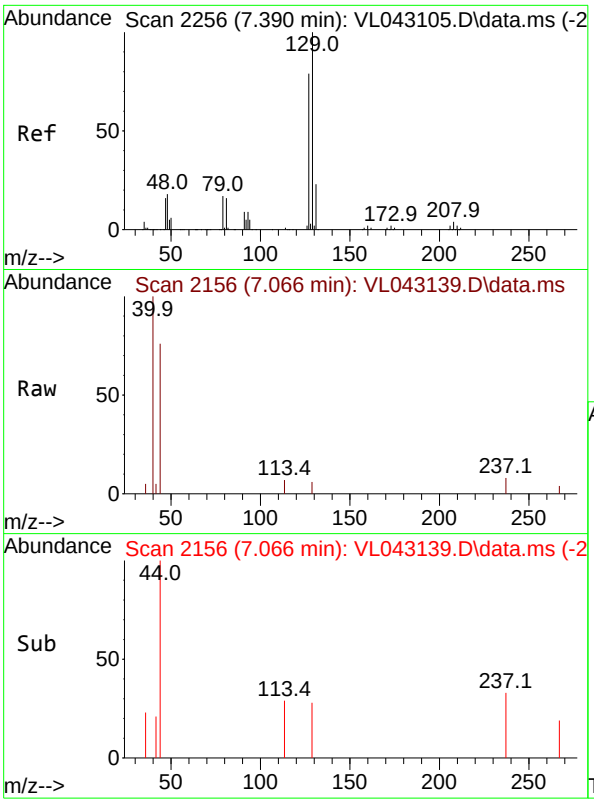


#47
1,1,2-Trichloroethane
Concen: 0.002 ppbv
RT: 6.891 min Scan# 2102
Delta R.T. 0.307 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 97 Resp: 24

Ion	Ratio	Lower	Upper
97	100		
83	0.0	64.6	96.8#
85	0.0	40.6	60.8#
99	0.0	48.4	72.6#



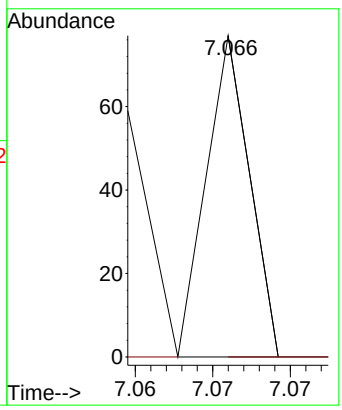


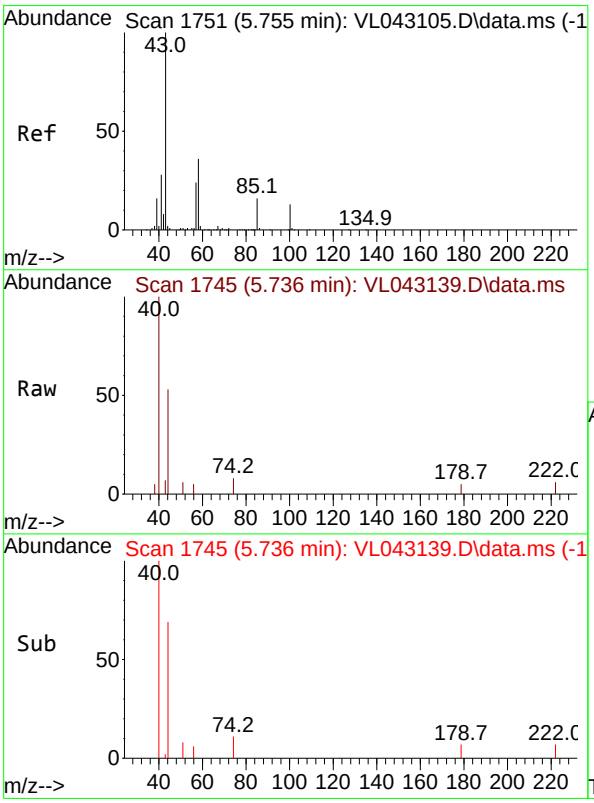
#48
Dibromochloromethane
Concen: 0.001 ppbv
RT: 7.066 min Scan# 21
Delta R.T. -0.324 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:129 Resp: 15

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.3	117.9#

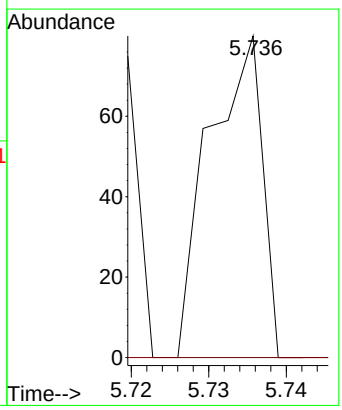


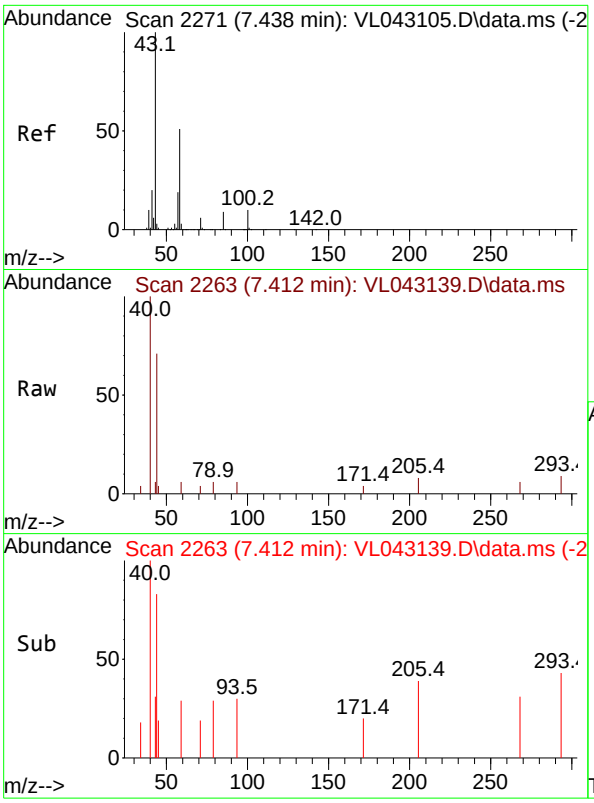


#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. -0.019 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 43 Resp: 38

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#



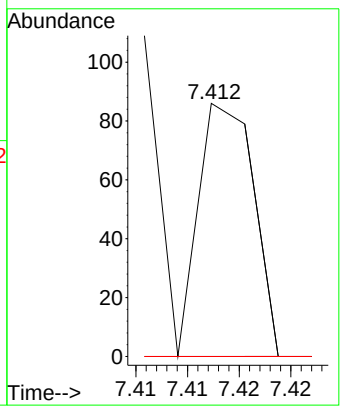


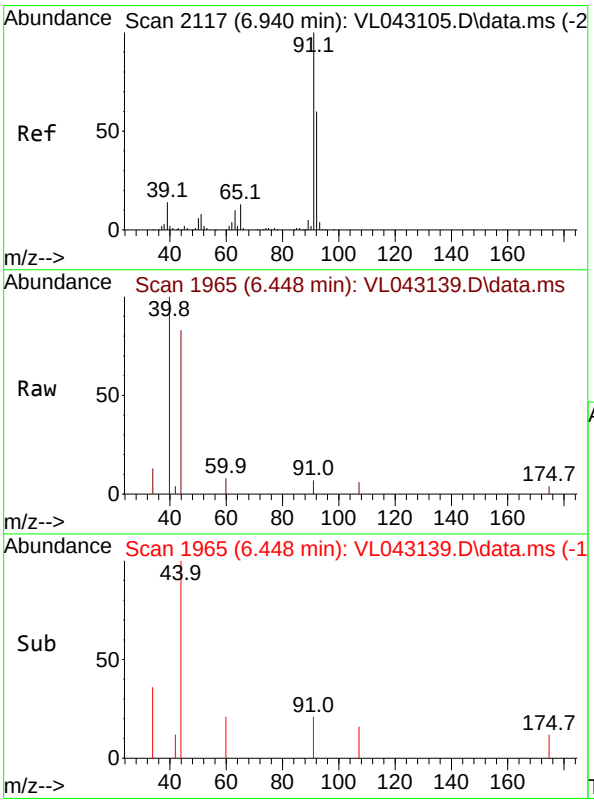
#51
2-Hexanone
Concen: 0.001 ppbv
RT: 7.412 min Scan# 2
Delta R.T. -0.026 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 43 Resp: 32

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.4	60.6#
98	0.0	0.1	0.1#

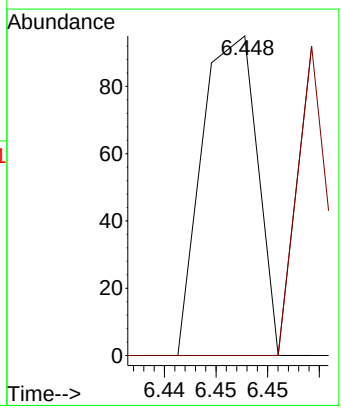


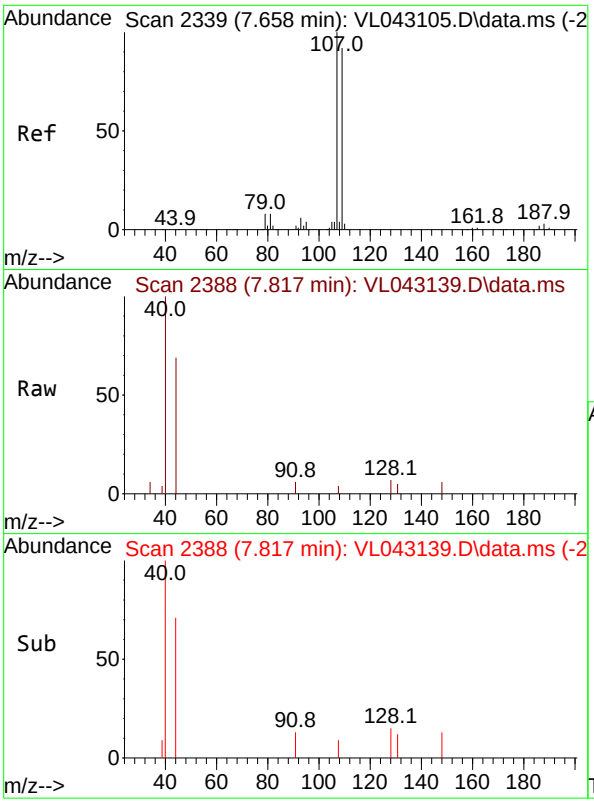


#53
Toluene
Concen: 0.001 ppbv
RT: 6.448 min Scan# 1965
Delta R.T. -0.492 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 91 Resp: 35

Ion	Ratio	Lower	Upper
91	100		
92	51.4	48.8	73.2



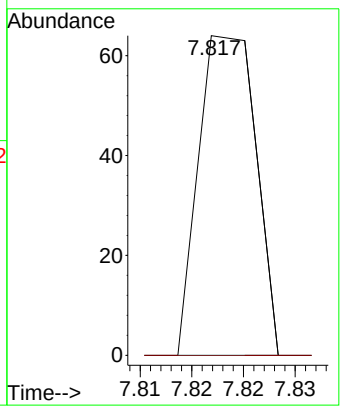


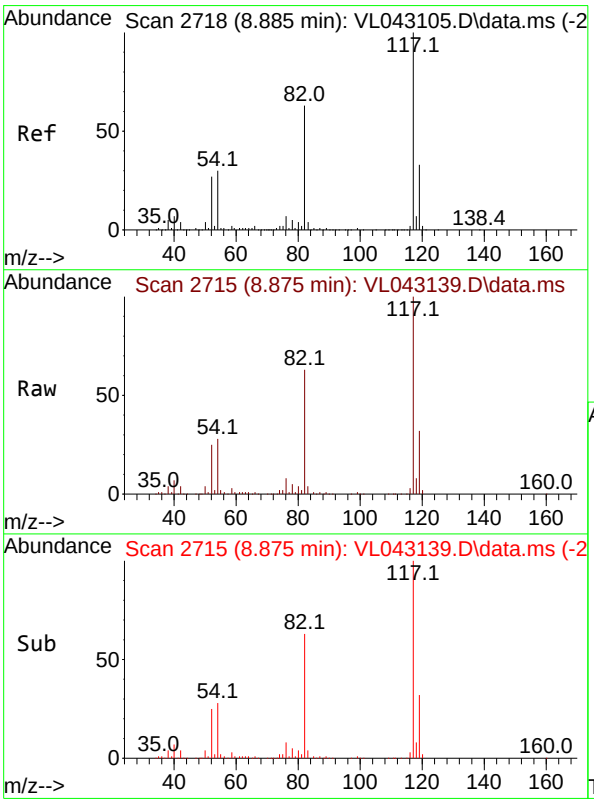
#54
1,2-Dibromoethane
Concen: 0.001 ppbv
RT: 7.817 min Scan# 2
Delta R.T. 0.159 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:107 Resp: 25

Ion	Ratio	Lower	Upper
107	100		
109	0.0	73.4	110.2#

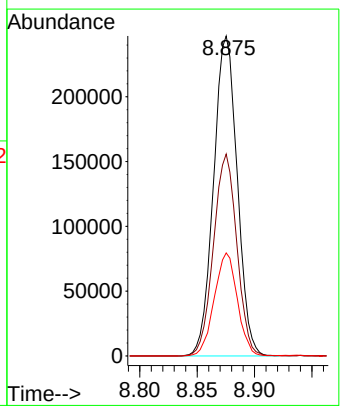


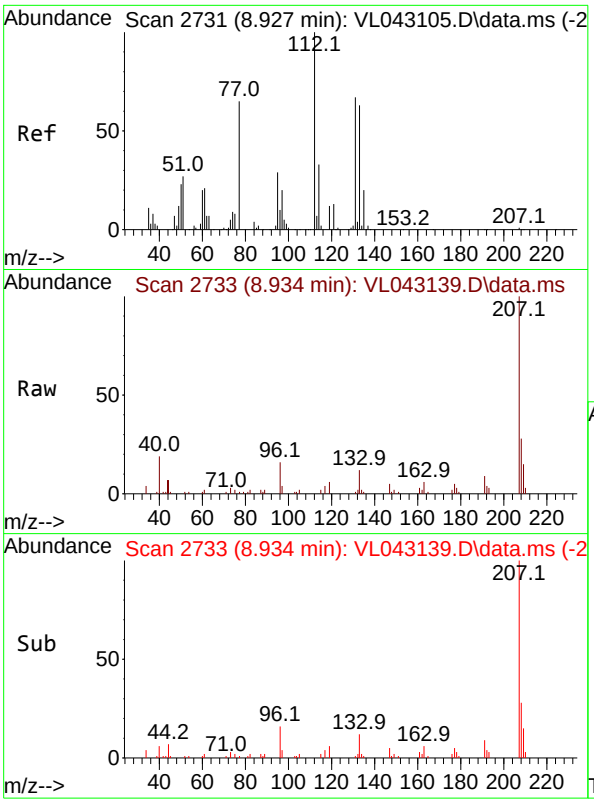


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.010 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:117 Resp: 354160

Ion	Ratio	Lower	Upper
117	100		
82	62.4	53.8	80.8
119	31.5	25.4	38.0



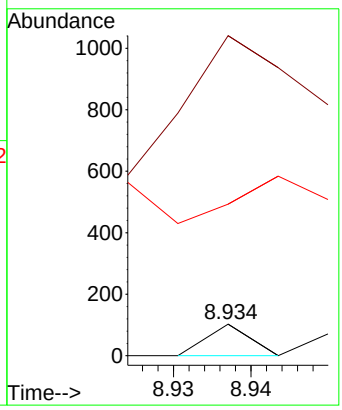


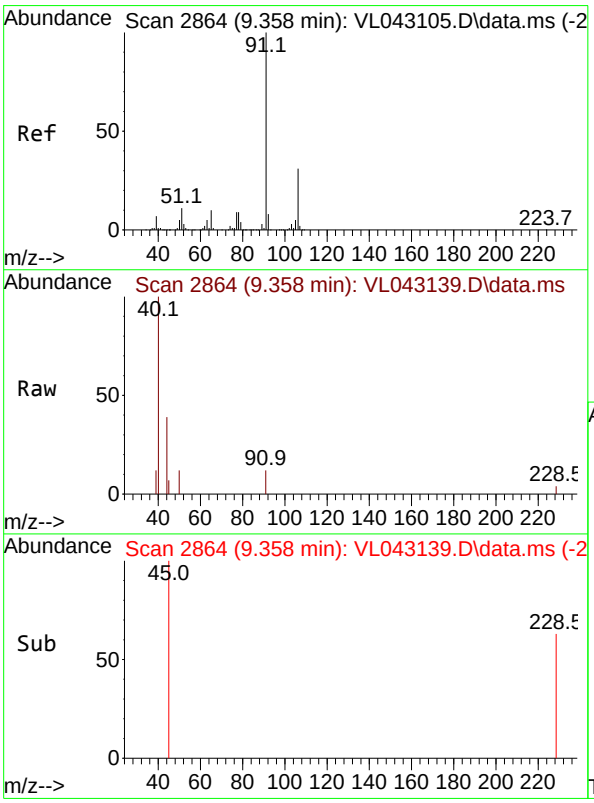
#56
1,1,1,2-Tetrachloroethane
Concen: 0.001 ppbv
RT: 8.934 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:131 Resp: 20

Ion	Ratio	Lower	Upper
131	100		
133	7445.0	75.7	113.5#
119	559145.0	50.6	76.0#

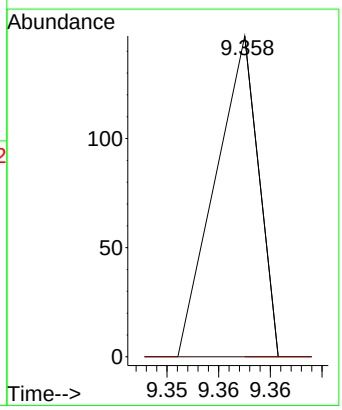


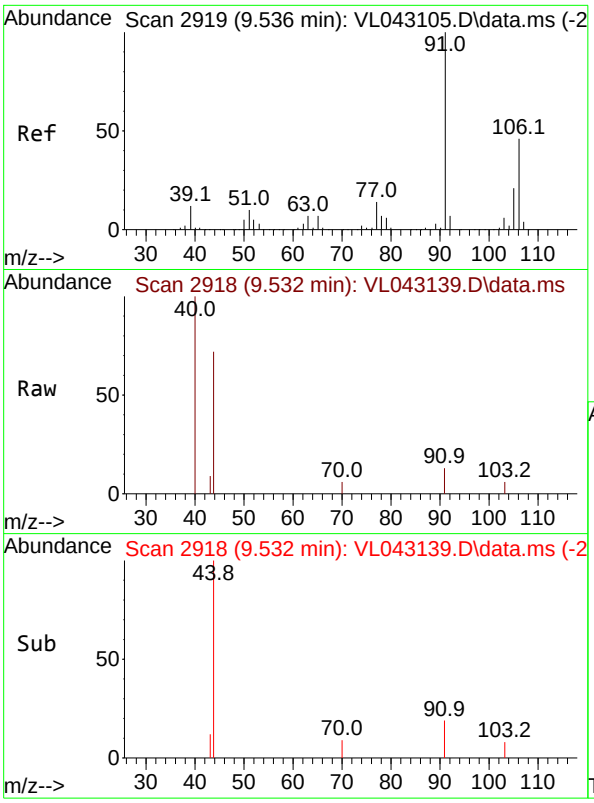


#58
Ethyl Benzene
Concen: 0.001 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 91 Resp: 43

Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.8	37.2#



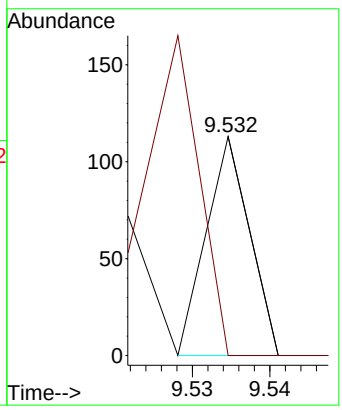


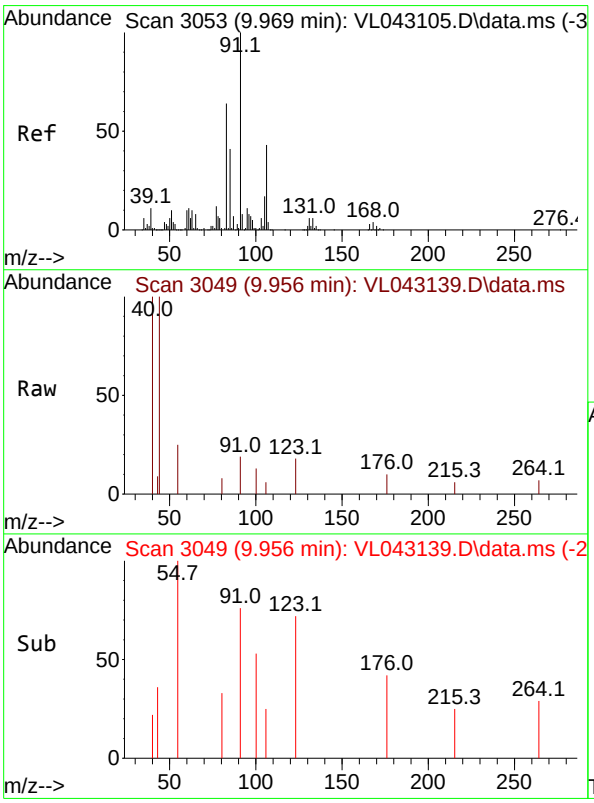
#59
m/p-Xylene
Concen: 0.000 ppbv
RT: 9.532 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 91 Resp: 22

Ion	Ratio	Lower	Upper
91	100		
106	254.5	38.0	57.0#

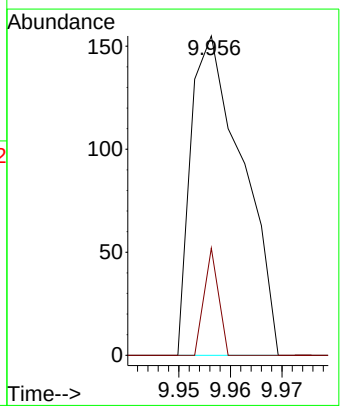


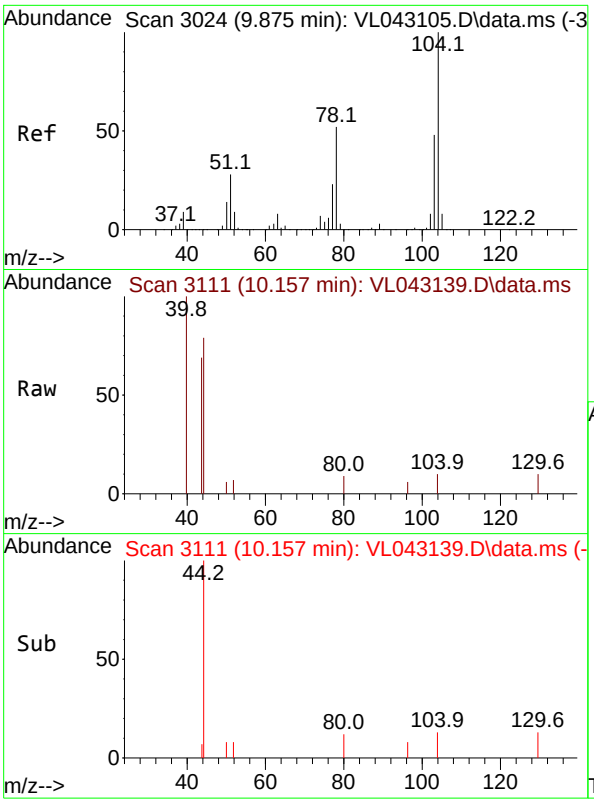


#60
o-Xylene
Concen: 0.002 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.013 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 91 Resp: 108

Ion	Ratio	Lower	Upper
91	100		
106	33.3	21.9	65.8



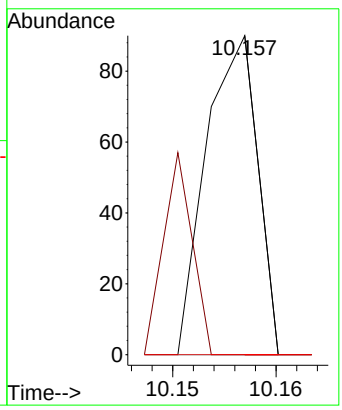


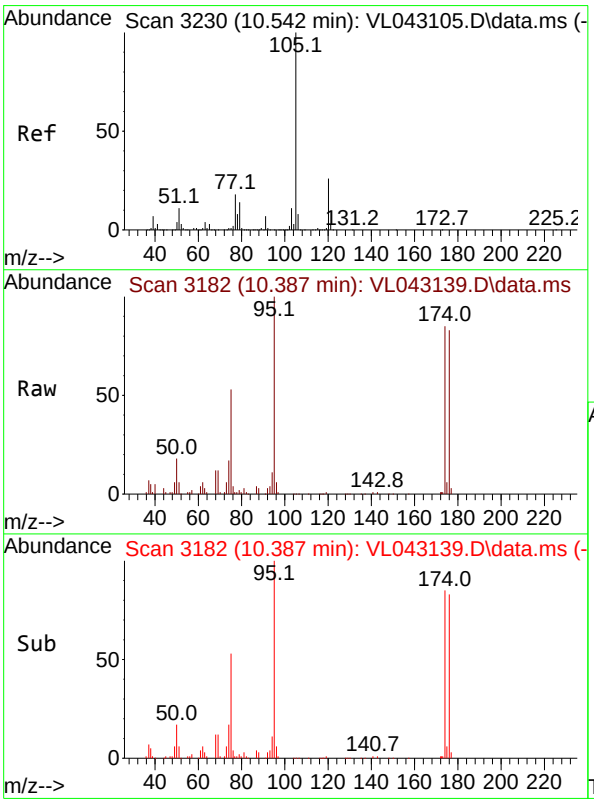
#61
Styrene
Concen: 0.001 ppbv
RT: 10.157 min Scan# 31
Delta R.T. 0.282 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:104 Resp: 31

Ion	Ratio	Lower	Upper
104	100		
78	0.0	40.2	60.2#
103	0.0	36.9	55.3#

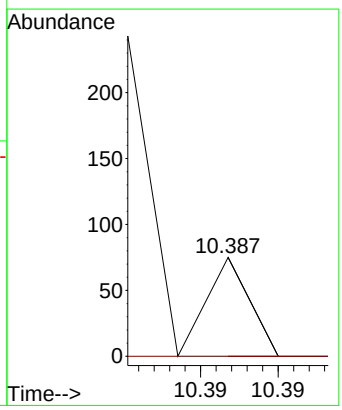


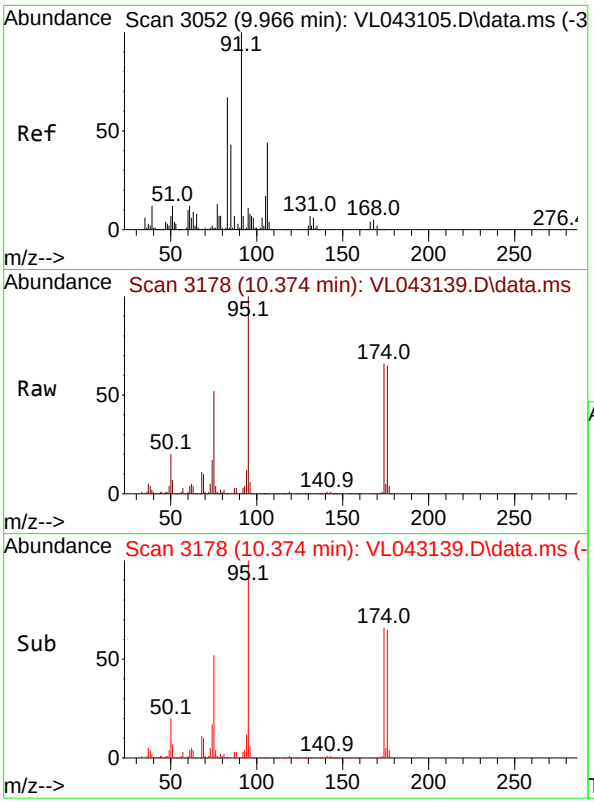


#62
Isopropylbenzene
Concen: 0.000 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. -0.155 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:105 Resp: 15

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.2	30.4#



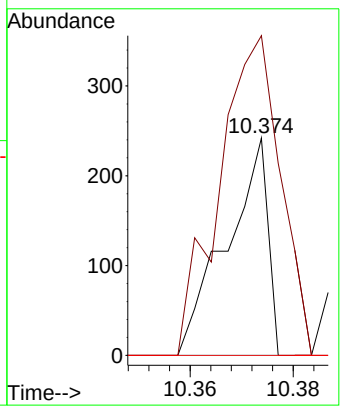


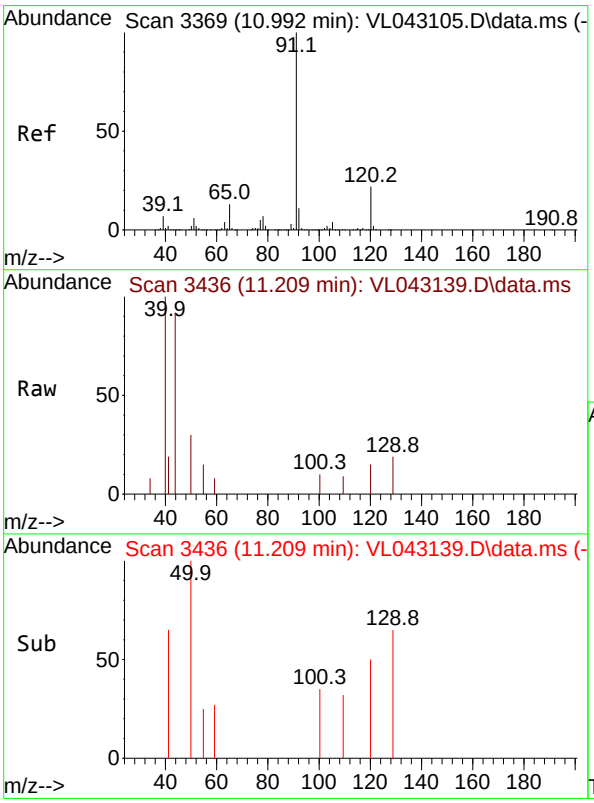
#63
1,1,2,2-Tetrachloroethane
Concen: 0.004 ppbv
RT: 10.374 min Scan# 3
Delta R.T. 0.408 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 83 Resp: 134

Ion	Ratio	Lower	Upper
83	100		
131	219.4	4.8	14.3#
85	0.0	32.0	96.0#

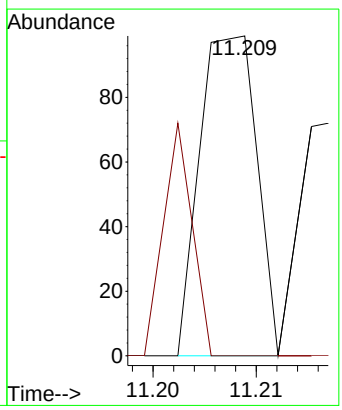


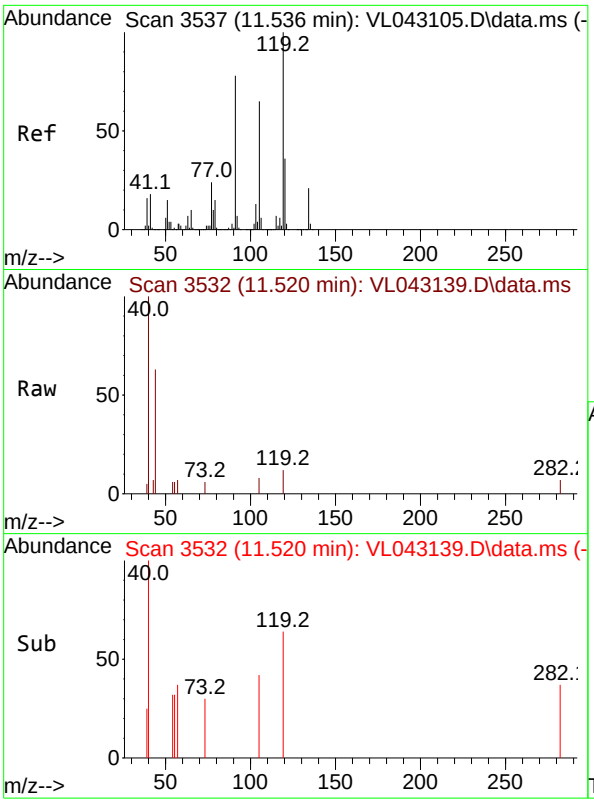


#64
n-propylbenzene
Concen: 0.002 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. 0.217 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:120 Resp: 38

Ion	Ratio	Lower	Upper
120	100		
91	150.0	361.6	542.4#



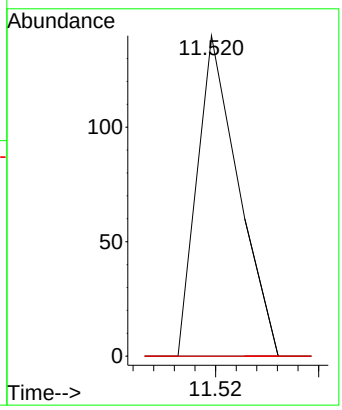


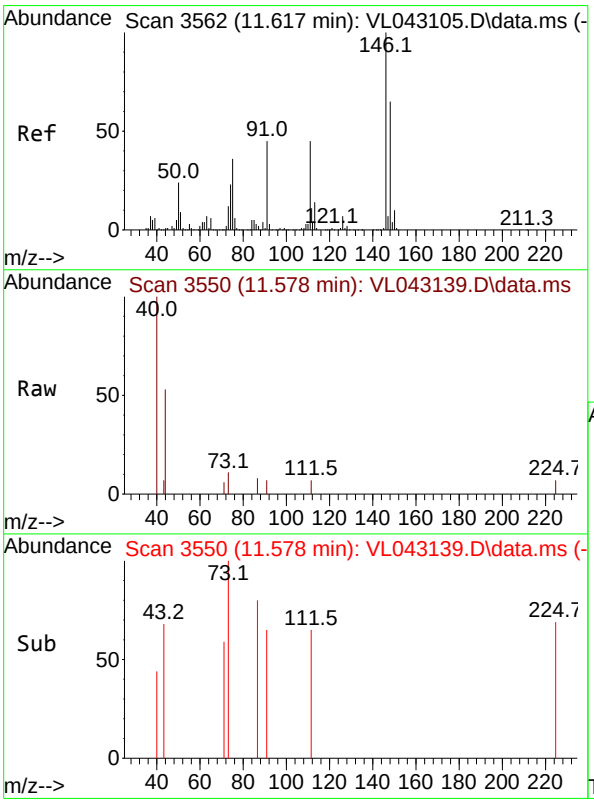
#65
tert-Butylbenzene
Concen: 0.001 ppbv
RT: 11.520 min Scan# 3
Delta R.T. -0.016 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:119 Resp: 39

Ion	Ratio	Lower	Upper
119	100		
91	276.9	63.4	95.0#
134	0.0	17.3	25.9#

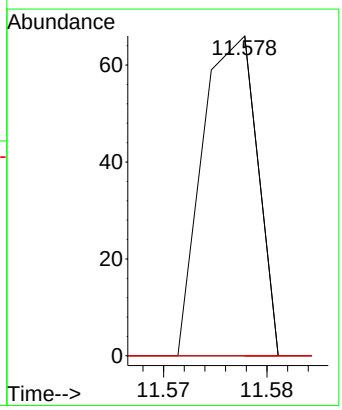


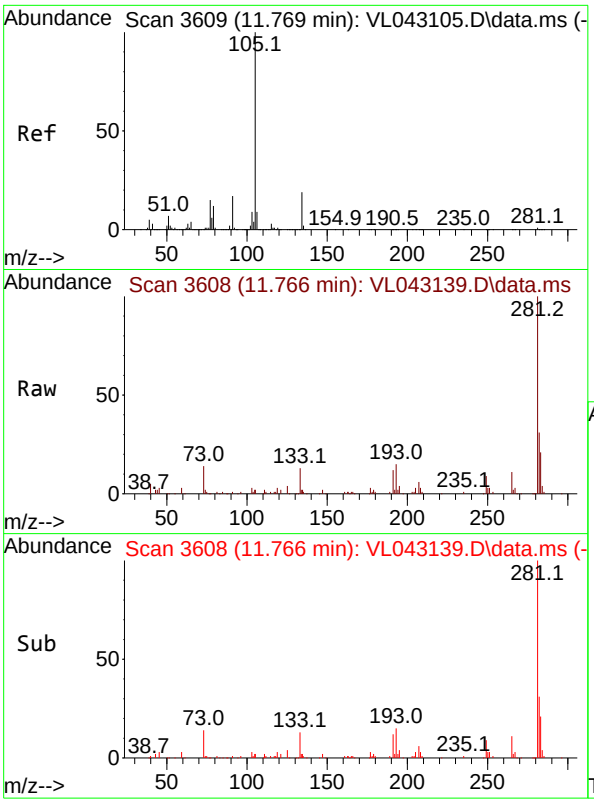


#66
Benzyl Chloride
Concen: 0.003 ppbv
RT: 11.578 min Scan# 3550
Delta R.T. -0.039 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 91 Resp: 24

Ion	Ratio	Lower	Upper
91	100		
126	125.0	14.6	22.0#
128	0.0	4.6	6.8#



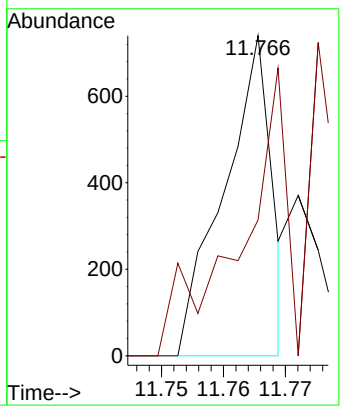


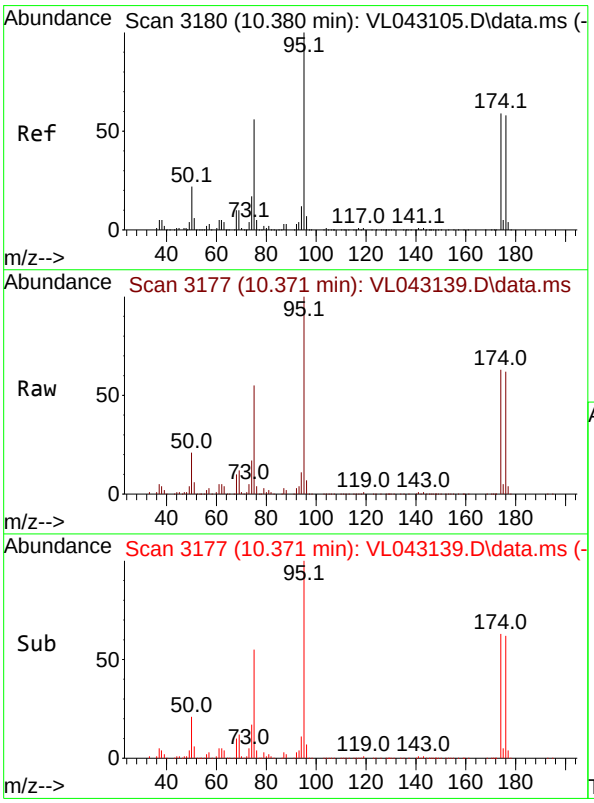
#67
sec-Butylbenzene
Concen: 0.004 ppbv
RT: 11.766 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:105 Resp: 400

Ion	Ratio	Lower	Upper
105	100		
134	0.0	15.5	23.3#

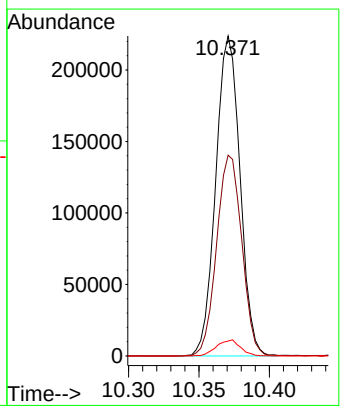


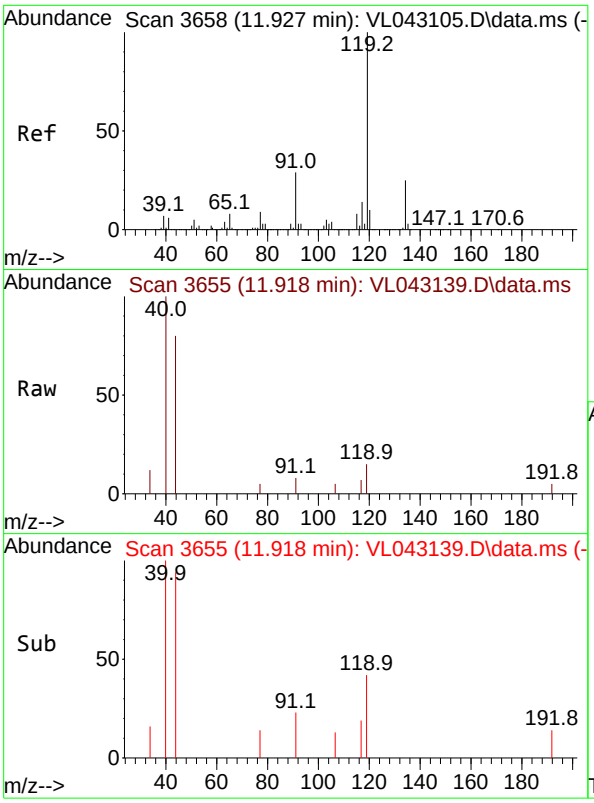


#68
1-Bromo-4-Fluorobenzene
Concen: 9.763 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.010 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 95 Resp: 268750

Ion	Ratio	Lower	Upper
95	100		
174	65.1	48.3	72.5
175	5.0	3.8	5.8



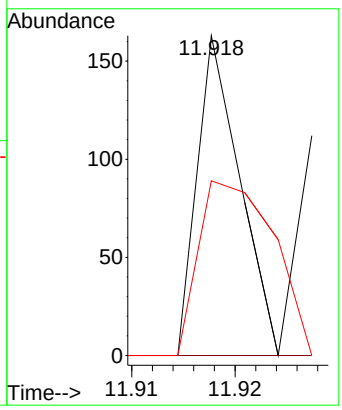


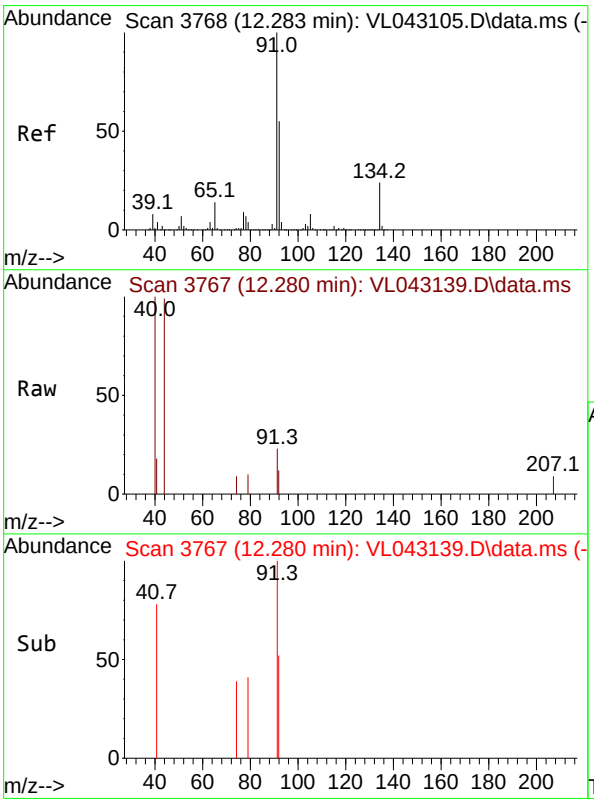
#69
p-Isopropyltoluene
Concen: 0.001 ppbv
RT: 11.918 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:119 Resp: 47

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.3	30.5#
91	95.7	22.6	33.8#

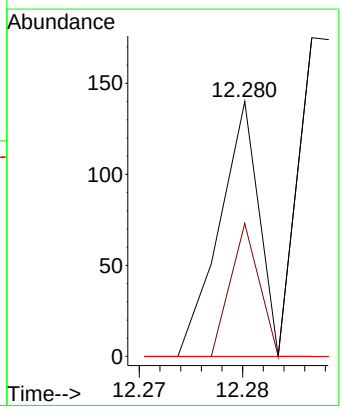


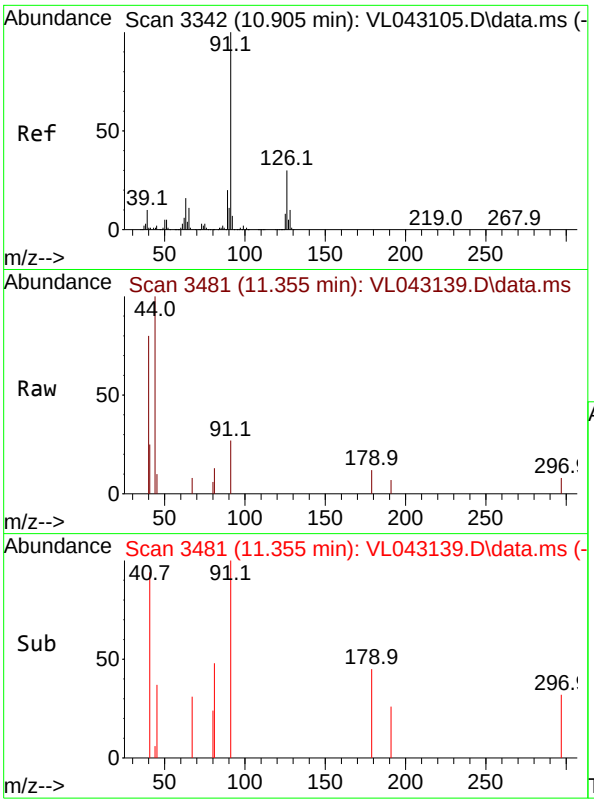


#70
n-Butylbenzene
Concen: 0.000 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion: 91 Resp: 37

Ion	Ratio	Lower	Upper
91	100		
92	75.7	44.5	66.7#
134	0.0	19.3	28.9#



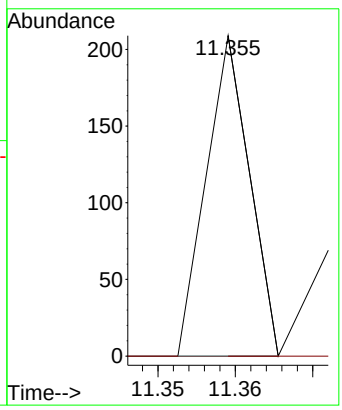


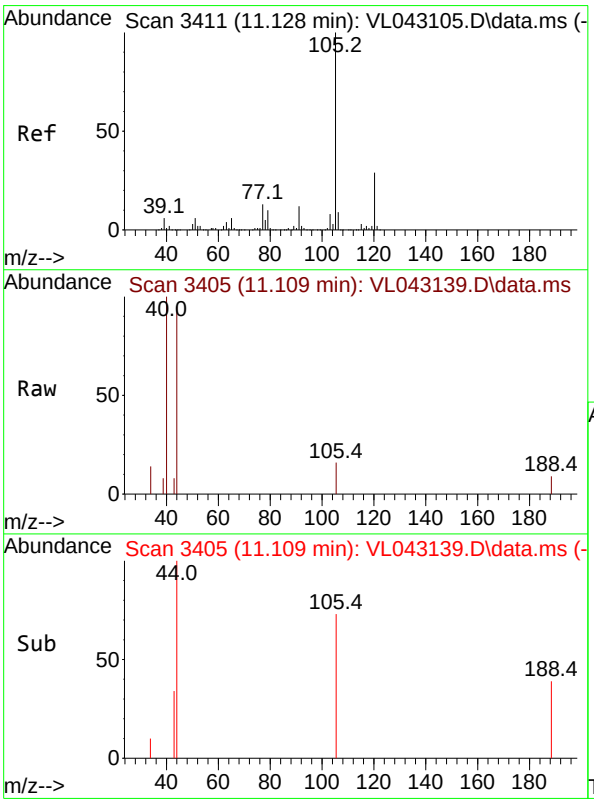
#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 11.355 min Scan# 34
Delta R.T. 0.450 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion: 91 Resp: 41

Ion	Ratio	Lower	Upper
91	100		
126	24.4	12.0	48.0

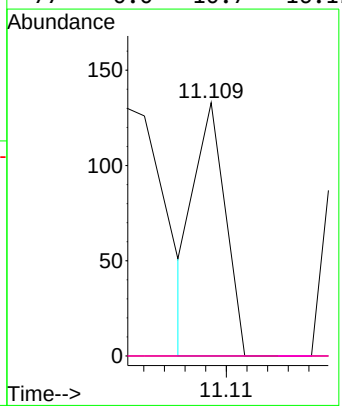


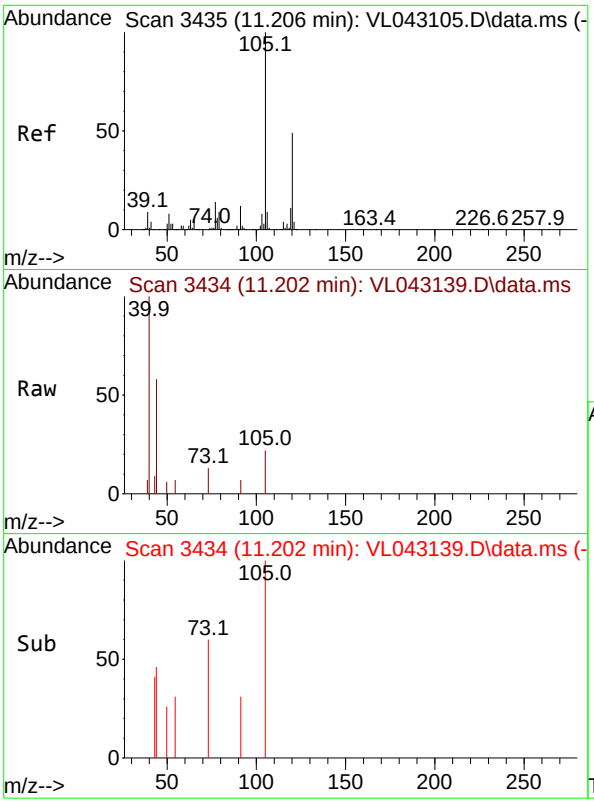


#72
4-Ethyltoluene
Concen: 0.000 ppbv
RT: 11.109 min Scan# 3405
Delta R.T. -0.019 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:105 Resp: 26

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.2	36.4#
91	0.0	10.0	15.0#
77	0.0	10.7	16.1#



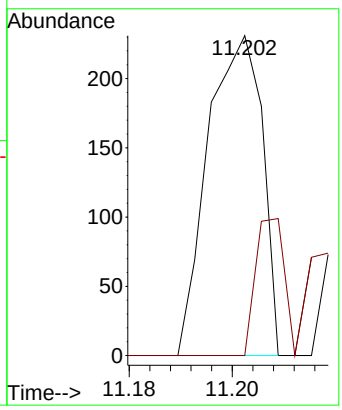


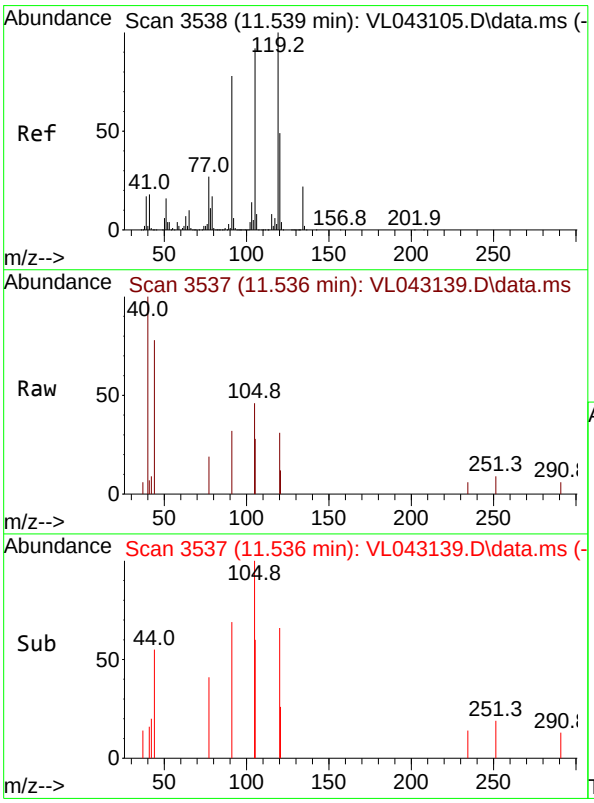
#73
1,3,5-Trimethylbenzene
Concen: 0.003 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:105 Resp: 169

Ion	Ratio	Lower	Upper
105	100		
120	0.0	39.0	58.6#

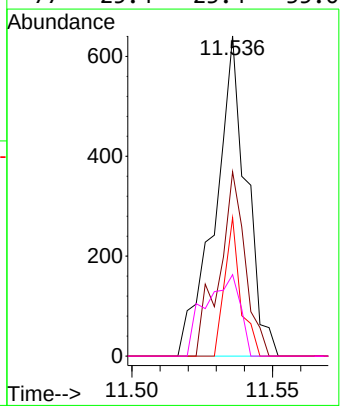


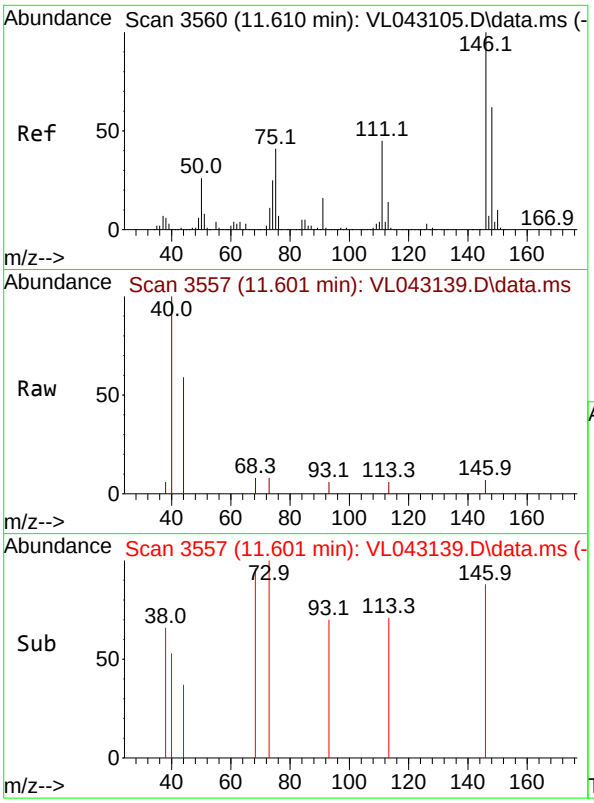


#74
1,2,4-Trimethylbenzene
Concen: 0.009 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:105 Resp: 498

Ion	Ratio	Lower	Upper
105	100		
120	57.6	42.8	64.2
91	43.2	68.3	102.5#
77	25.4	23.4	35.0



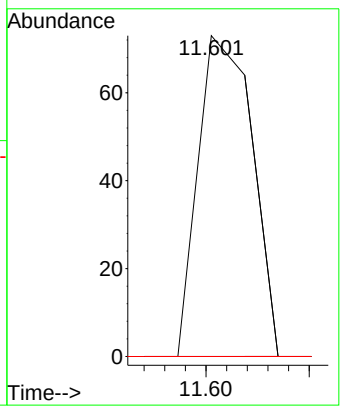


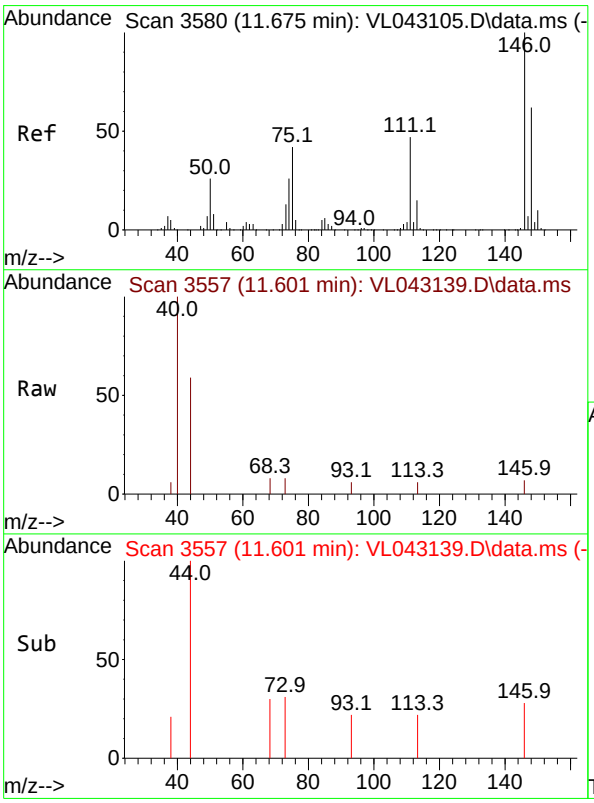
#75
1,3-Dichlorobenzene
Concen: 0.001 ppbv
RT: 11.601 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:146 Resp: 27

Ion	Ratio	Lower	Upper
146	100		
111	137.0	23.3	69.9#
148	0.0	31.6	95.0#

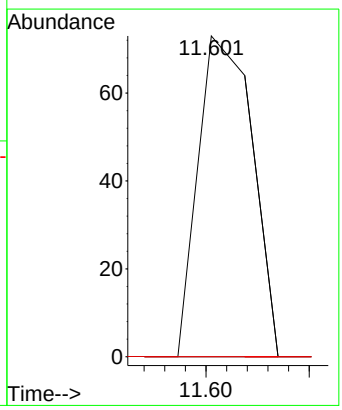


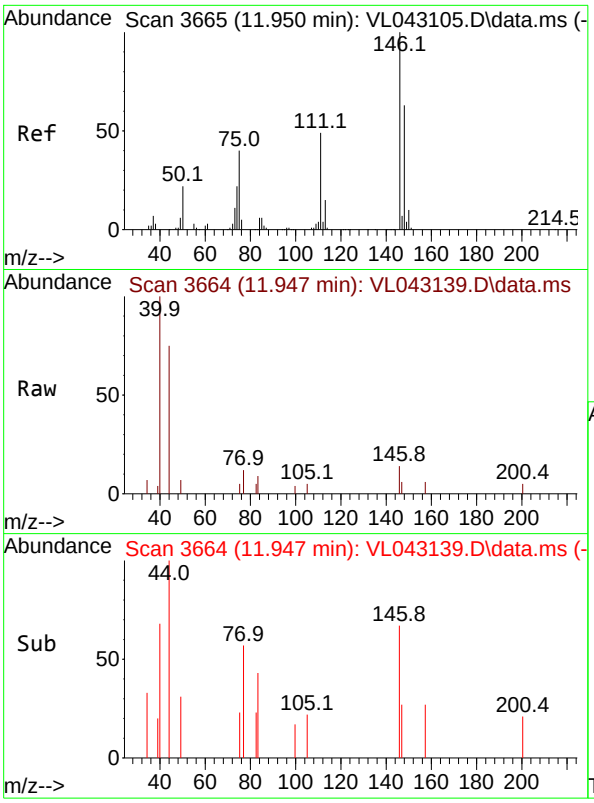


#76
1,4-Dichlorobenzene
Concen: 0.001 ppbv
RT: 11.601 min Scan# 3557
Delta R.T. -0.074 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:146 Resp: 27

Ion	Ratio	Lower	Upper
146	100		
111	114.8	22.4	67.0#
148	218.5	31.6	94.7#



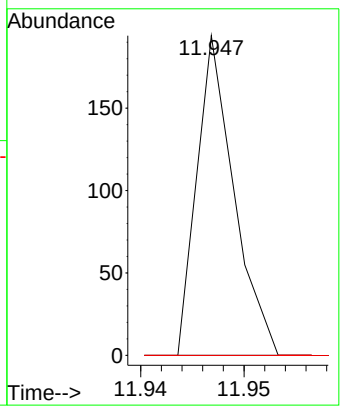


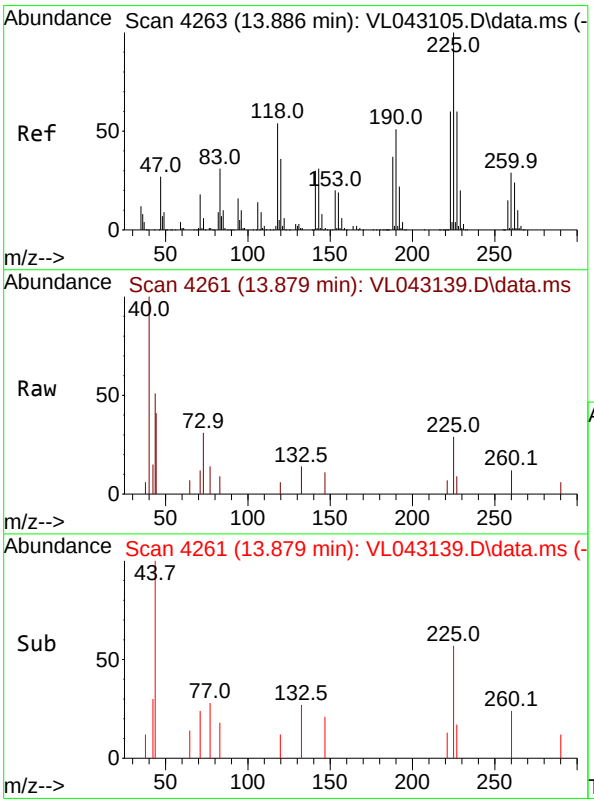
#77
1,2-Dichlorobenzene
Concen: 0.002 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:146 Resp: 48

Ion	Ratio	Lower	Upper
146	100		
111	89.6	24.0	72.0#
148	56.3	31.1	93.3

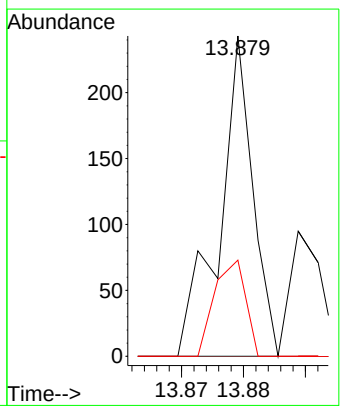


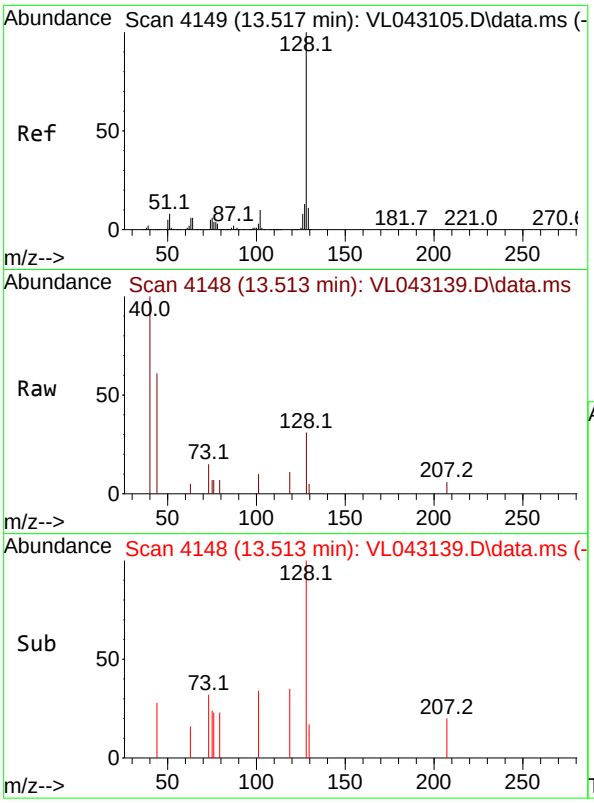


#78
Hexachloro-1,3-Butadiene
Concen: 0.004 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:225 Resp: 91

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.2	75.4#
227	50.5	49.6	74.4



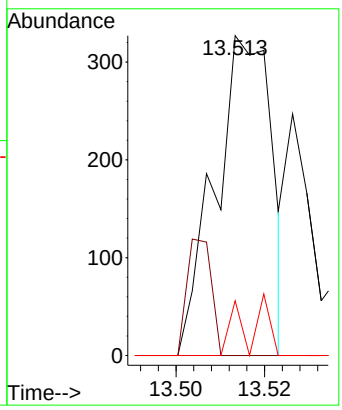


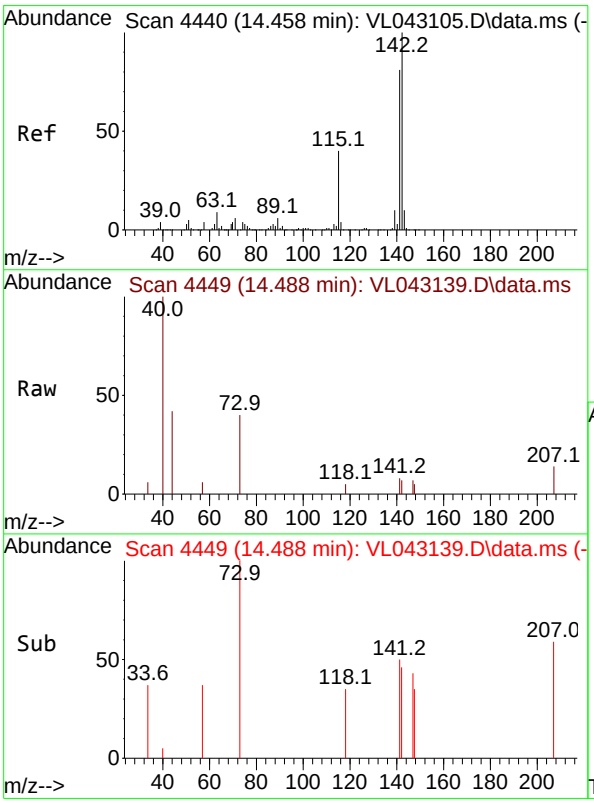
#79
Naphthalene
Concen: 0.005 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:128 Resp: 290

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	17.1	9.1	13.7#

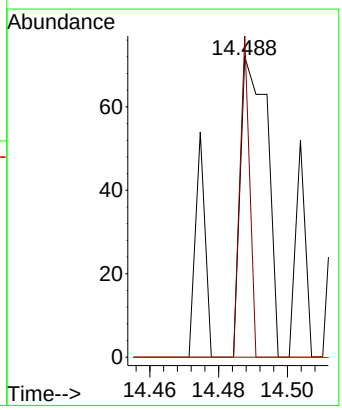


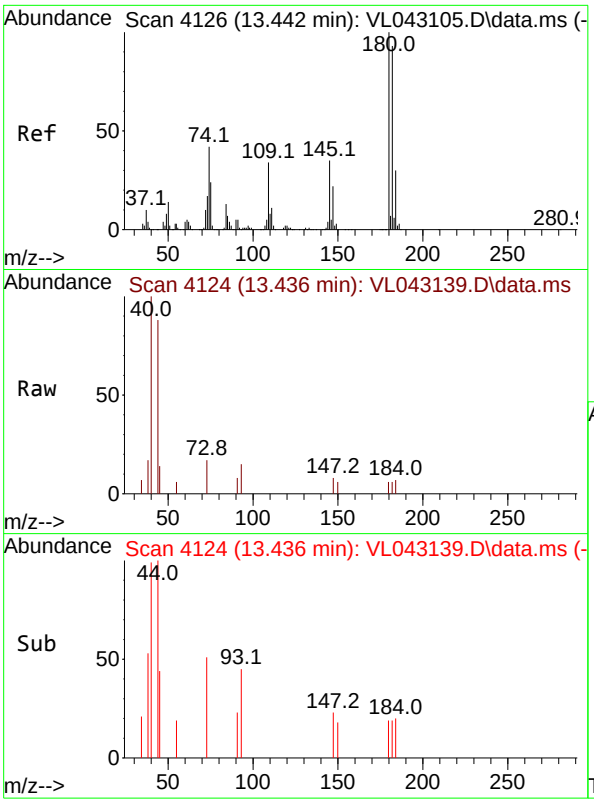


#80
Naphthalene,2-methyl-
Concen: 0.003 ppbv
RT: 14.488 min Scan# 4449
Delta R.T. 0.029 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Tgt Ion:142 Resp: 49

Ion	Ratio	Lower	Upper
142	100		
141	30.6	64.6	97.0#
115	0.0	30.2	45.4#





#81
1,2,4-Trichlorobenzene
Concen: 0.000 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL043139.D
Acq: 03 Nov 2025 09:48

Instrument :
MSVOA_L
ClientSampleId :
QC103025 CAN 10675

Tgt Ion:180 Resp: 11

Ion	Ratio	Lower	Upper
180	100		
182	1181.8	75.5	113.3#
184	0.0	23.9	35.9#