Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100421\

Quantitation Report (Not Reviewed)

Data File : VL037762.D
Acq On : 4 Oct 2021 15:20
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Oct 04 17:31:02 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 12:52:19 2021
QLast Update : Mon Oct 04 12:52:19 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1422846	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	4122795	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	3482125	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2348991	9.33	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	29546	0.115	ppbv		91
3) Chlorodifluoromethane	2.99	51	30489	0.114	ppbv		94
4) Chloromethane	3.14	50	3697	0.037	ppbv	#	84
5) Vinyl Chloride	3.26	62	4435	0.048	ppbv	#	72
6) Bromomethane	3.48	94	4281	0.079	ppbv	#	51
7) Chloroethane	3.56	64	1875	0.054	ppbv		93
8) Dichlorotetrafluoroethane	3.19	85	26492	0.119	ppbv		97
9) Propene	3.01	41	9548	0.101	ppbv	#	16
10) Heptane	8.13	43	7545	0.034	ppbv	#	27
11) Trichlorofluoromethane	3.95	101	10774	0.052	ppbv	#	80
12) 1,1,2-Trichlorotrifluoroet	4.49	101	14622	0.096	ppbv		91
13) Ethanol	3.62	45	386	0.042	ppbv	#	27
14) Bromoethene	3.74	108	2991	0.043	ppbv	#	3
15) Acetone	3.87	43	9532	0.064	ppbv	#	46
16) 1,3-Butadiene	3.33	39	6762	0.073	ppbv	#	64
18) 1,1-Dichloroethene	4.29	96	2503	0.035	ppbv	#	47
20) Methylene Chloride	4.35	84	4085	0.058	ppbv	#	59
21) Allyl Chloride	4.42	41	5200	0.047	ppbv	#	1
22) trans-1,2-Dichloroethene	4.89	96	2540	0.036	ppbv	#	75
26) Hexane	5.69	57	13248	0.078	ppbv	#	44
28) Methyl tert-Butyl Ether	5.06	73	10094	0.067	ppbv	#	70
30) Cyclohexane	7.13	84	5869	0.040	ppbv	#	1
31) cis-1,2-Dichloroethene	5.54	61	6444	0.042	ppbv		91
32) 1,1,1-Trichloroethane	6.51	97	14926	0.065	ppbv	#	38
35) Carbon Tetrachloride	7.02	117	13342	0.057	ppbv	#	64
36) Benzene	6.89	78	28900	0.084	ppbv	#	92
37) 1,2-Dichloroethane	6.31	62	10944	0.065	ppbv	#	82
38) Trichloroethene	7.83	130	4880	0.034	ppbv	#	56
39) 1,2-Dichloropropane	7.17	63	967683	7.349	ppbv	#	28
42) Bromodichloromethane	7.79	83	16732	0.069	ppbv	#	93
44) 2,2,4-Trimethylpentane	7.87	57	25344	0.044	ppbv	#	35
47) 1,1,2-Trichloroethane	9.47	97	5429	0.037	ppbv	#	84
52) Tetrachloroethene	11.22	164	4345	0.033	ppbv	#	43
56) 1,1,1,2-Tetrachloroethane	12.12	131	4687	0.032	ppbv	#	8
60) o-Xylene	13.69	91	13026	0.034	ppbv	#	30
62) Isopropylbenzene	14.67	105	29583	0.055	ppbv	#	66
66) Benzyl Chloride	16.98	91	1103	0.042	ppbv	#	81
67) sec-Butylbenzene	17.29	105	30348	0.046	ppbv	#	66
69) p-Isopropyltoluene	17.65	119	16627	0.031	ppbv	#	48
70) n-Butylbenzene	18.56	91	30294	0.060	ppbv		94
73) 1,3,5-Trimethylbenzene	16.00	105	14754	0.036	ppbv		92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100421\

Quantitation Report (Not Reviewed)

Data File : VL037762.D
Acq On : 4 Oct 2021 15:20
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Oct 04 17:31:02 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 12:52:19 2021
QLast Update : Mon Oct 04 12:52:19 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.76	105	27409	0.063	ppbv #	83
75) 1,3-Dichlorobenzene	16.99	146	10129	0.038	ppbv #	1
76) 1,4-Dichlorobenzene	17.13	146	10217	0.039	ppbv #	23

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

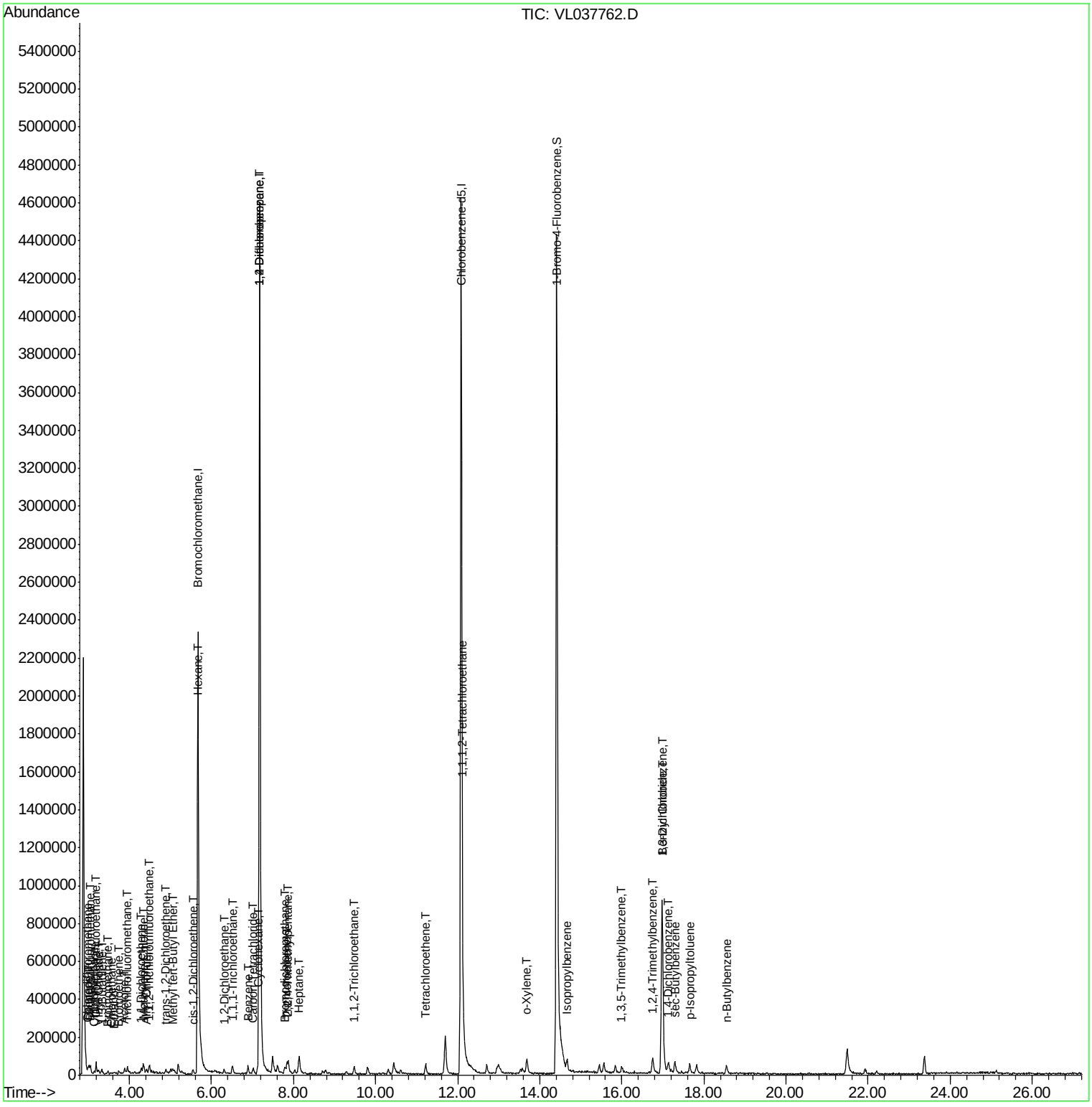
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100421\

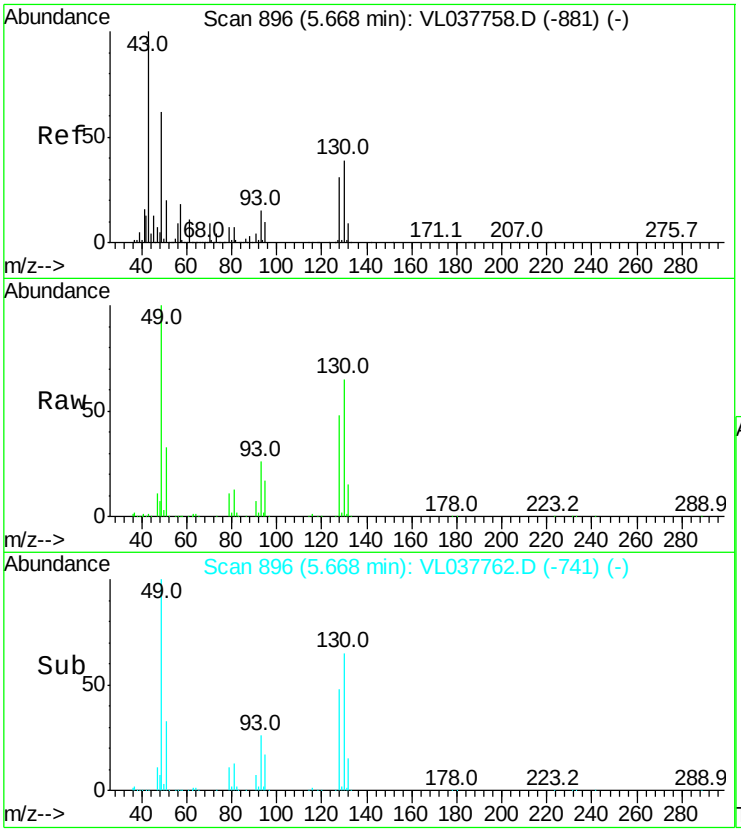
Quantitation Report (Not Reviewed)

Data File : VL037762.D
Acq On : 4 Oct 2021 15:20
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Oct 04 17:31:02 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 12:52:19 2021
QLast Update : Mon Oct 04 12:52:19 2021
Response via : Initial Calibration



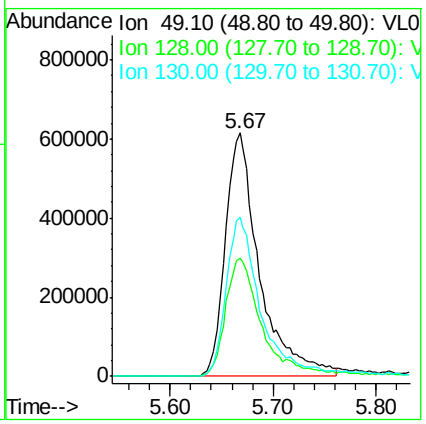


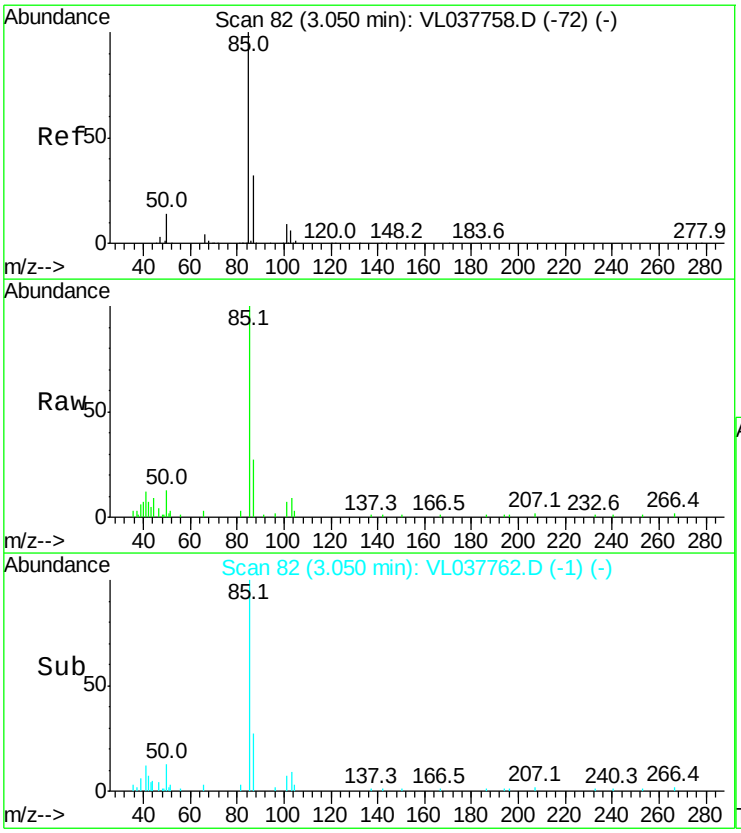
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 1422846

Ion	Ratio	Lower	Upper
49	100		
128	53.1	27.1	81.3
130	68.6	33.2	99.6

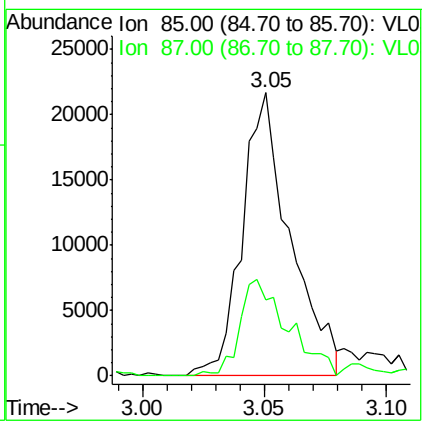


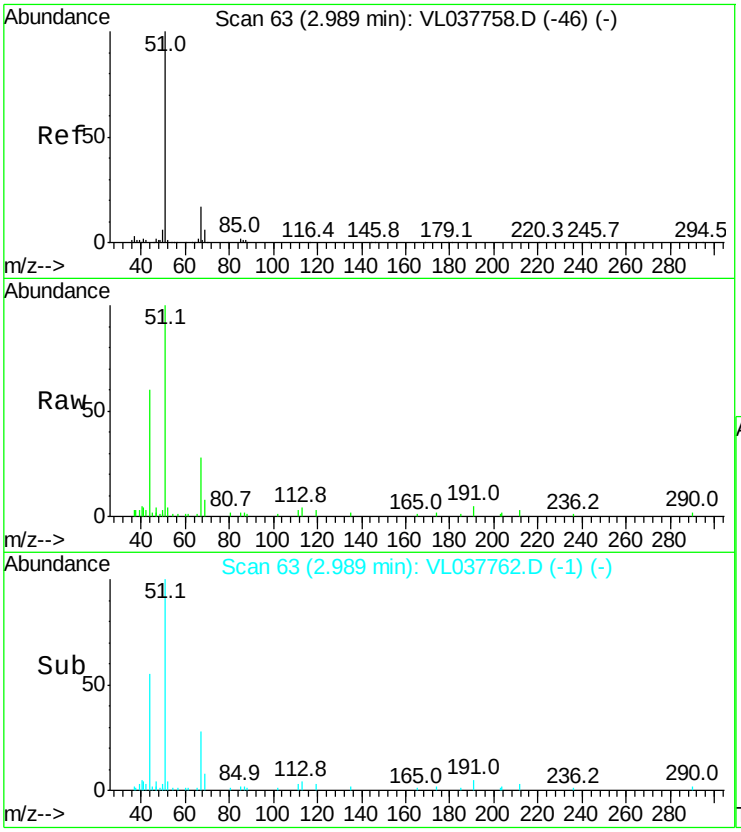


#2
Dichlorodifluoromethane
Concen: 0.115 ppbv
RT: 3.05 min Scan# 82
Delta R.T. -0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 85 Resp: 29546

Ion	Ratio	Lower	Upper
85	100		
87	27.0	25.7	38.5



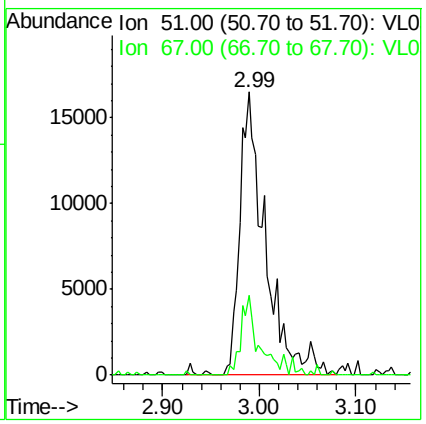


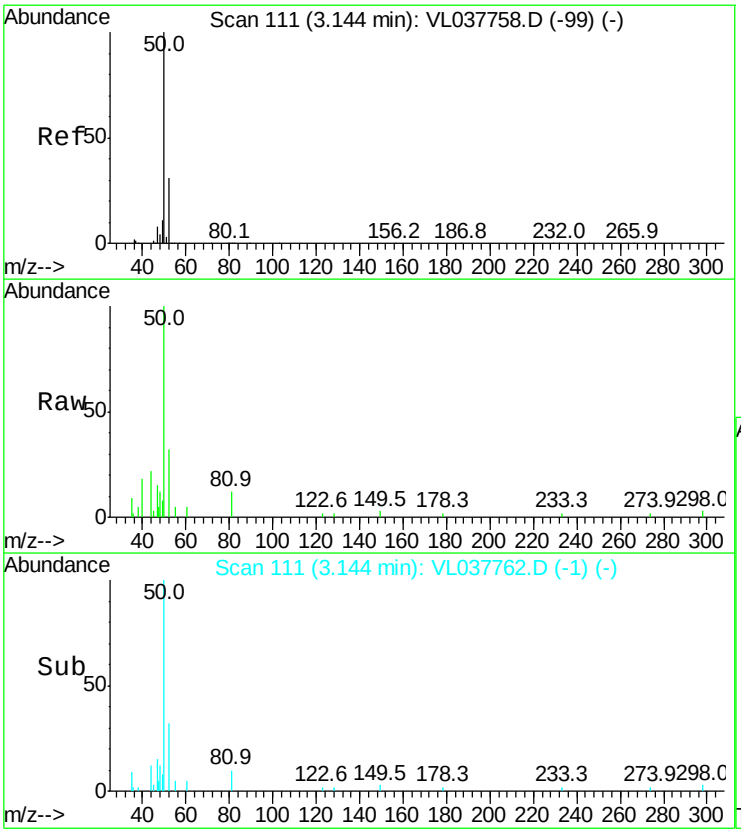
#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 30489

Ion	Ratio	Lower	Upper
51	100		
67	19.7	13.5	20.3

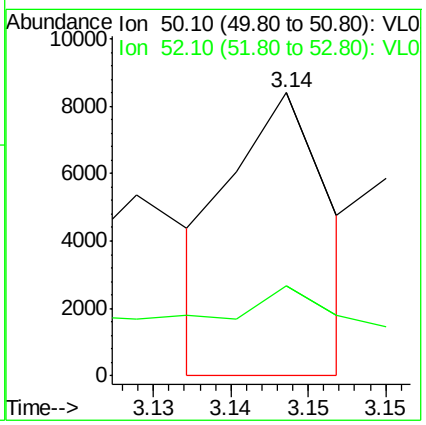


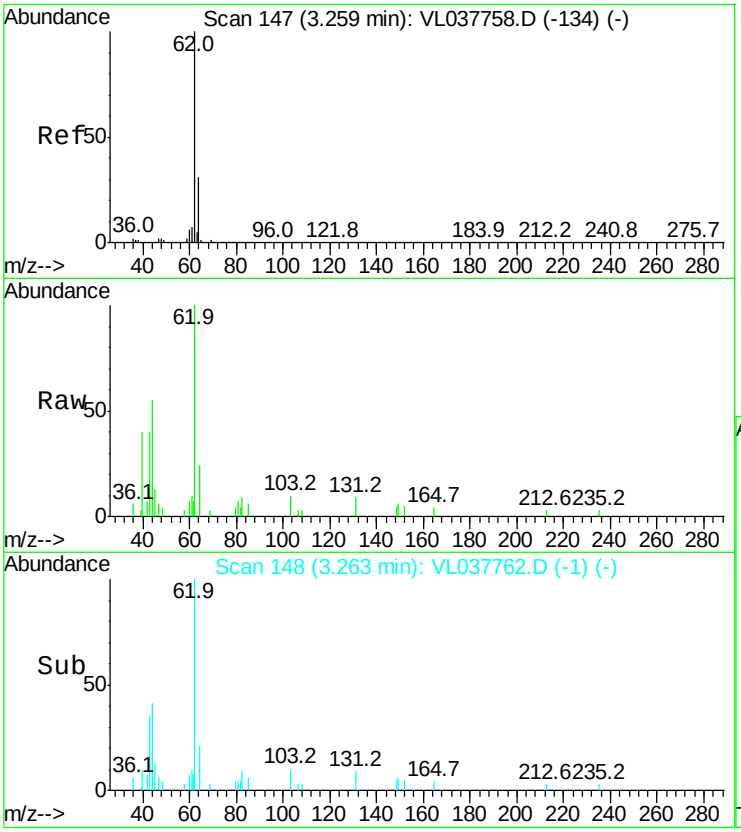


#4
Chloromethane
Concen: 0.037 ppbv
RT: 3.14 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 50 Resp: 3697

Ion	Ratio	Lower	Upper
50	100		
52	21.8	24.4	36.6#



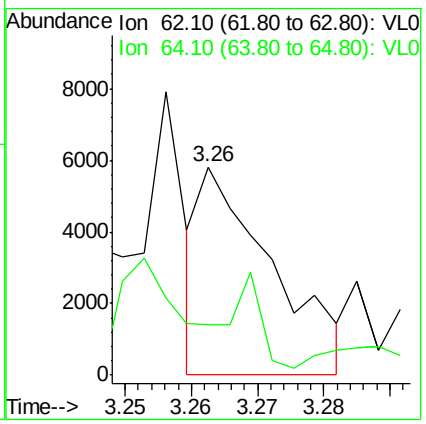


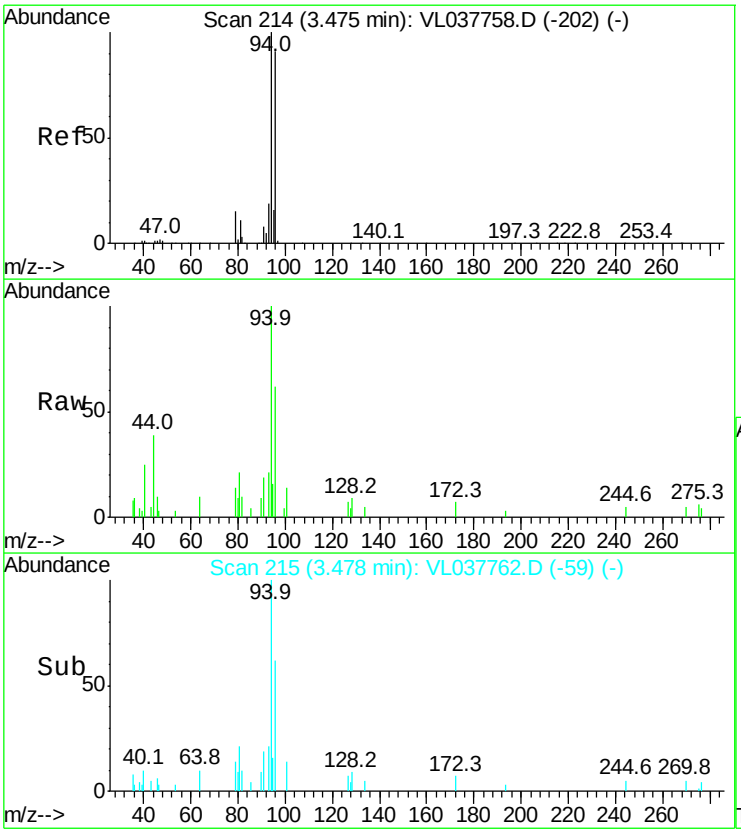
#5
Vinyl Chloride
Concen: 0.048 ppbv
RT: 3.26
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 4435

Ion	Ratio	Lower	Upper
62	100		
64	15.6	24.9	37.3#

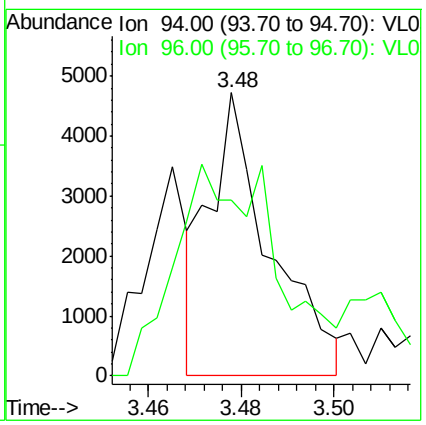


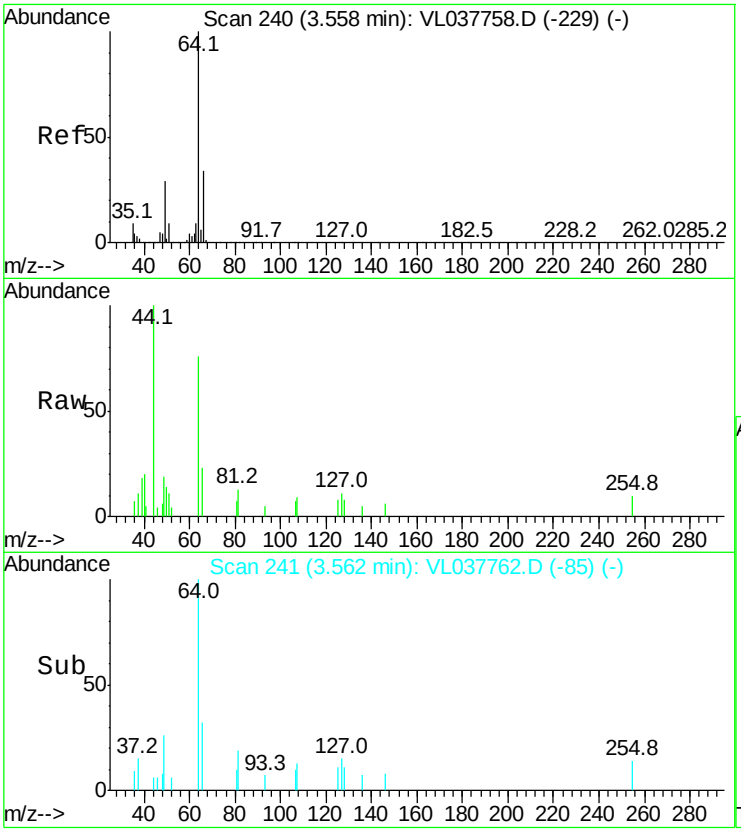


#6
Bromomethane
Concen: 0.079 ppbv
RT: 3.48 min Scan# 215
Delta R.T. 0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 94 Resp: 4281

Ion	Ratio	Lower	Upper
94	100		
96	44.1	72.5	108.7#



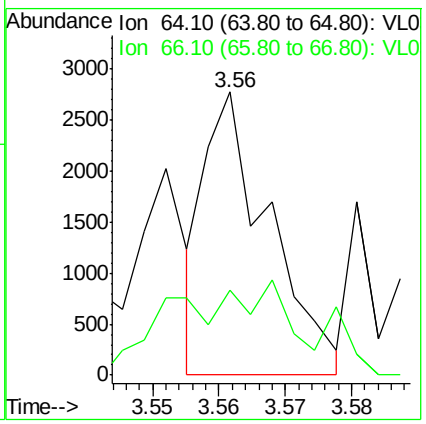


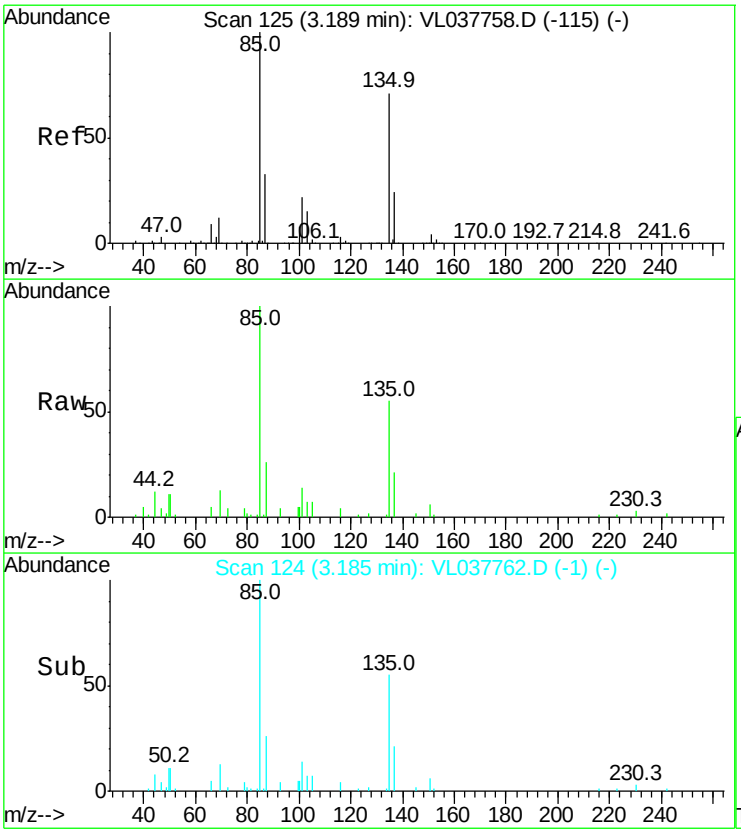
#7
Chloroethane
Concen: 0.054 ppbv
RT: 3.56
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 1875

Ion	Ratio	Lower	Upper
64	100		
66	30.1	27.5	41.3

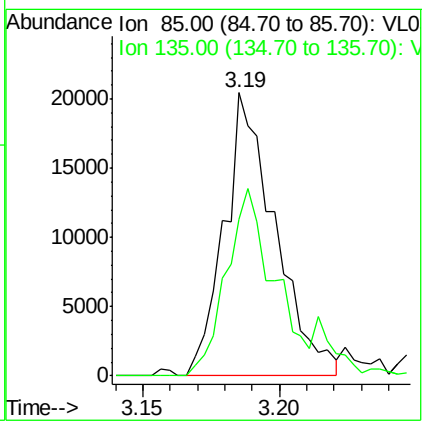


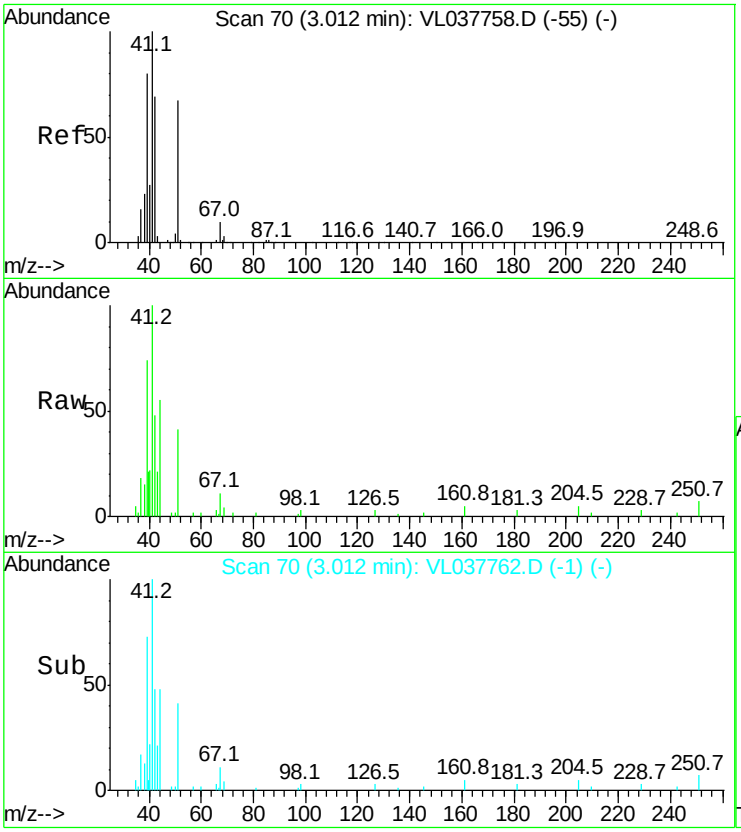


#8
Dichlorotetrafluoroethane
Concen: 0.119 ppbv
RT: 3.19 min Scan# 124
Delta R.T. -0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 85 Resp: 26492

Ion	Ratio	Lower	Upper
85	100		
135	71.6	59.5	89.3



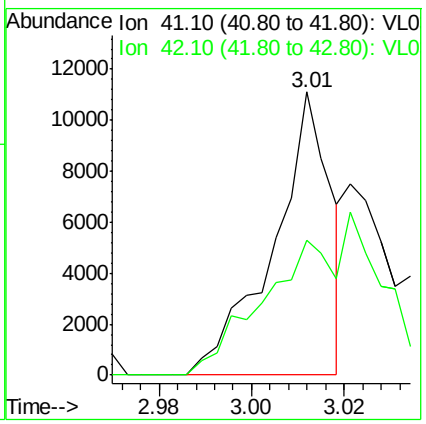


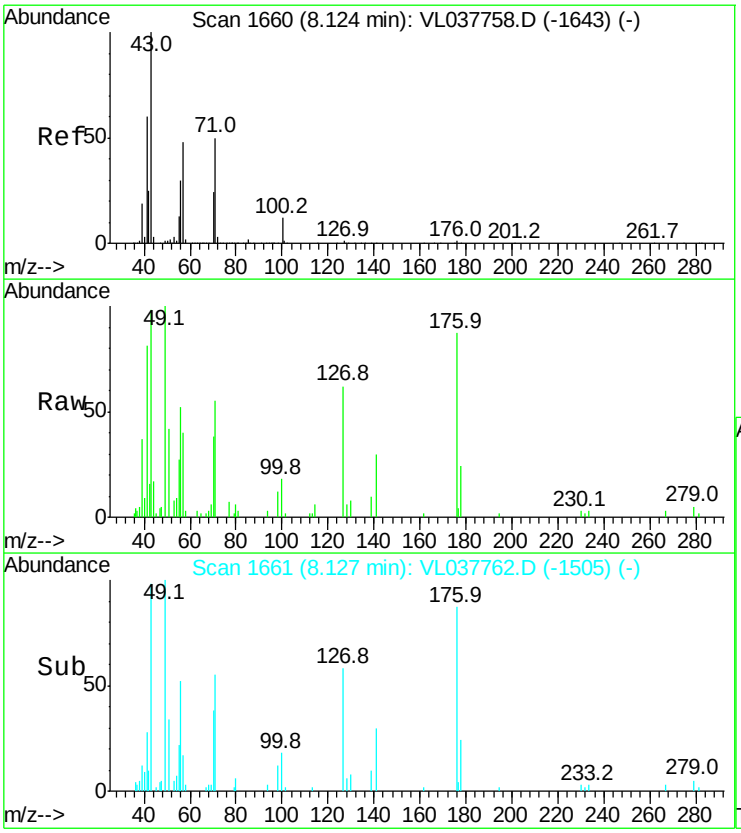
#9
Propene
Concen: 0.101 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 9548

Ion	Ratio	Lower	Upper
41	100		
42	0.0	54.2	81.2#

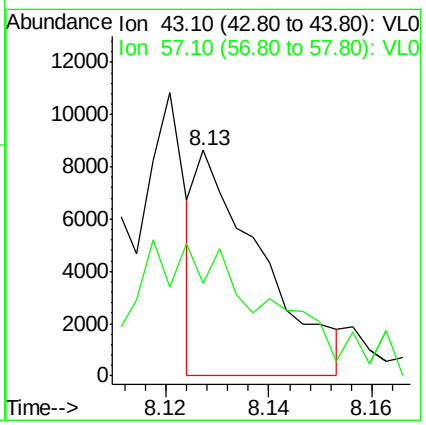


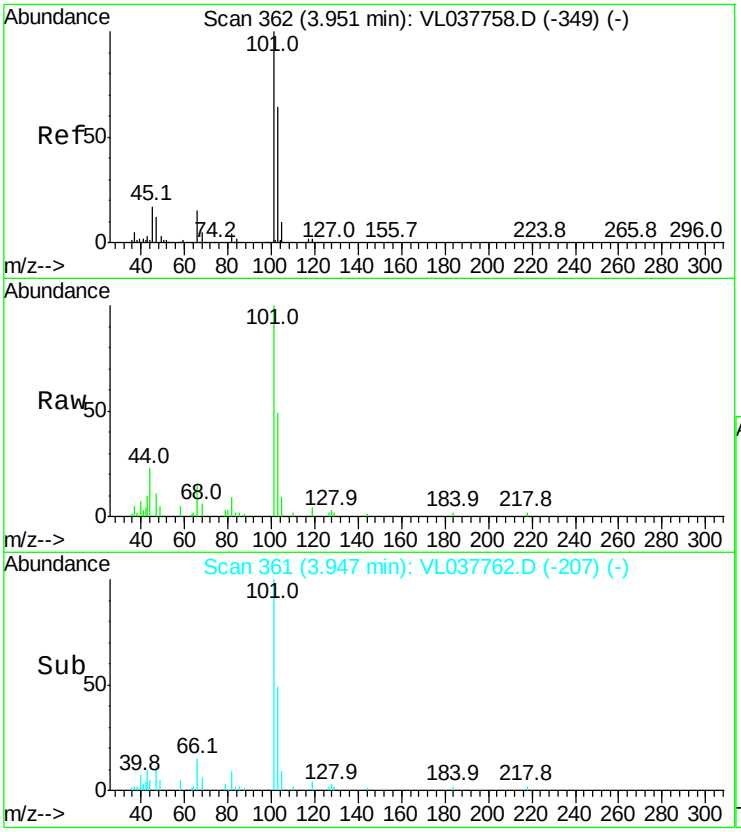


#10
Heptane
Concen: 0.034 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 43 Resp: 7545

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.0	60.0#



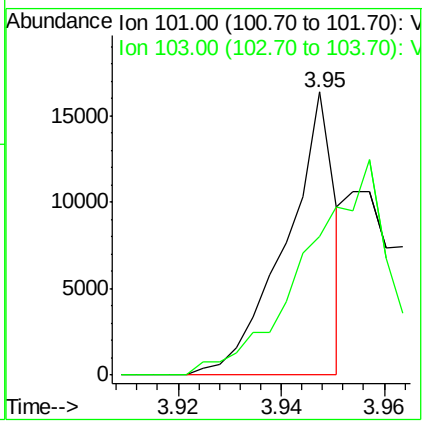


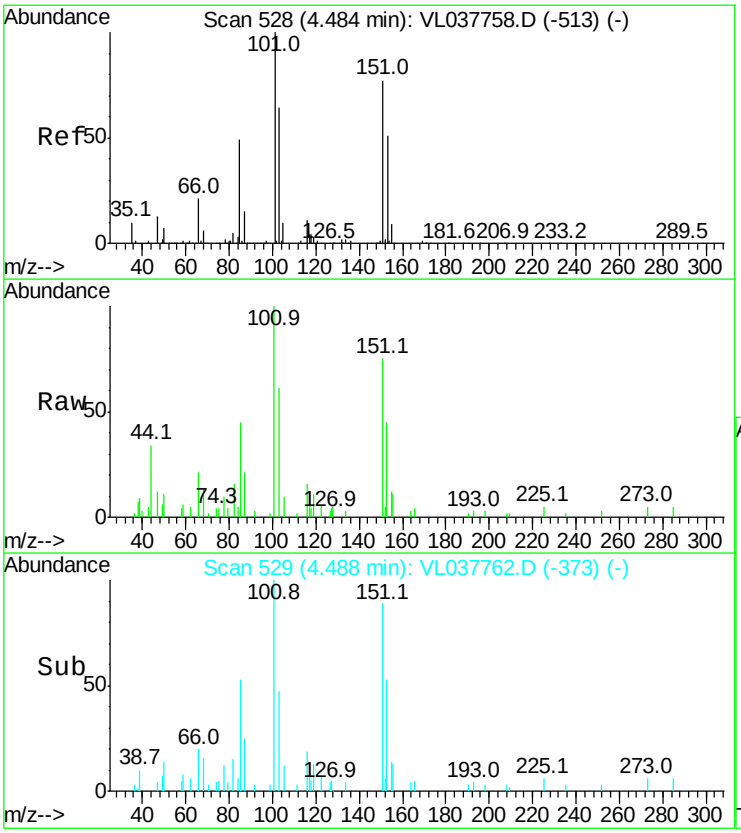
#11
Trichlorofluoromethane
Concen: 0.052 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 10774

Ion	Ratio	Lower	Upper
101	100		
103	48.9	51.5	77.3#

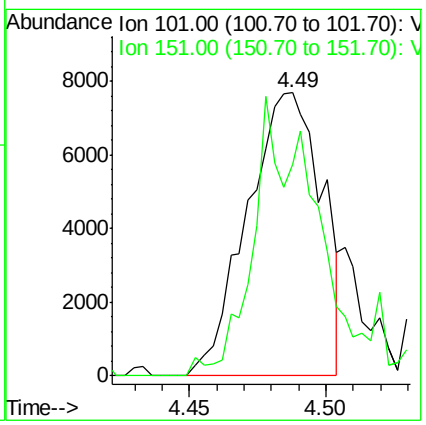


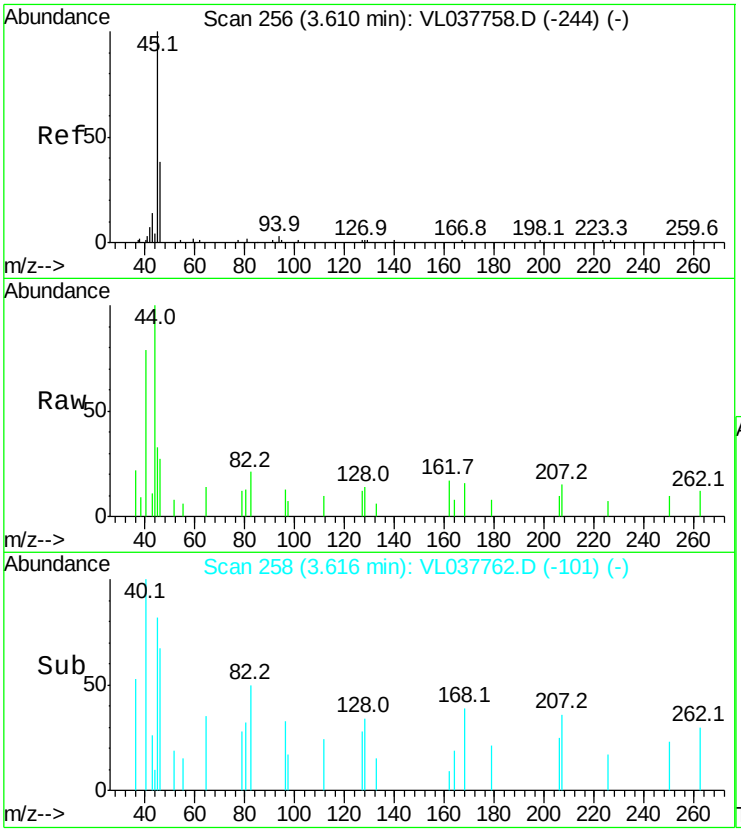


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.096 ppbv
RT: 4.49 min Scan# 529
Delta R.T. 0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion:101 Resp: 14622

Ion	Ratio	Lower	Upper
101	100		
151	86.5	62.9	94.3



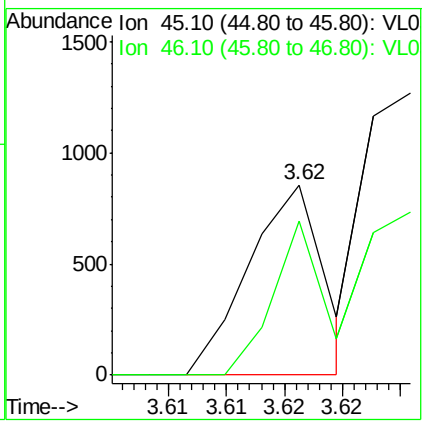


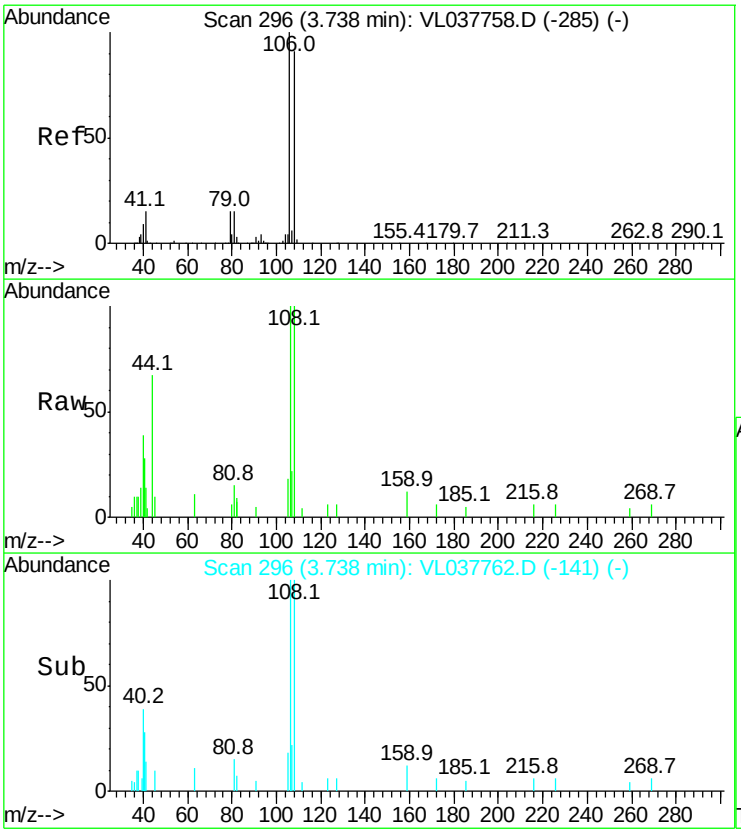
#13
Ethanol
Concen: 0.042 ppbv
RT: 3.62
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 386

Ion	Ratio	Lower	Upper
45	100		
46	0.0	20.2	81.0#

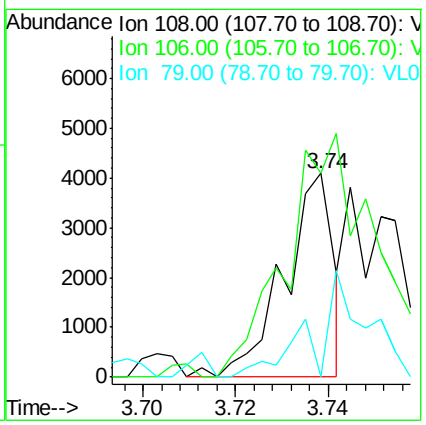


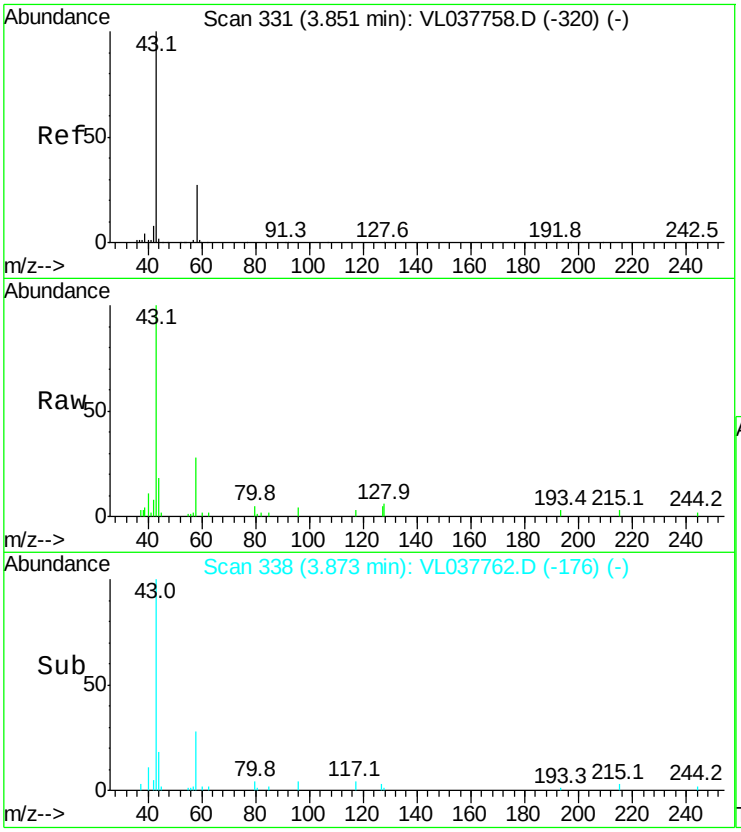


#14
Bromoethene
Concen: 0.043 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion:108 Resp: 2991

Ion	Ratio	Lower	Upper
108	100		
106	0.0	91.9	137.9#
79	0.0	13.9	20.9#



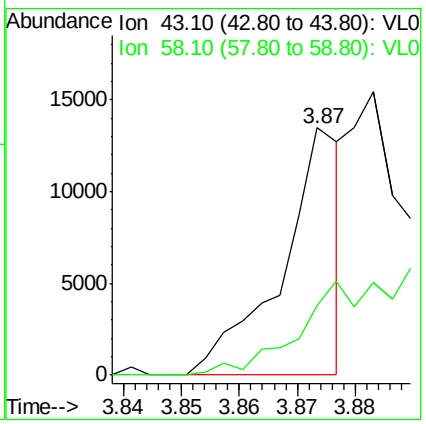


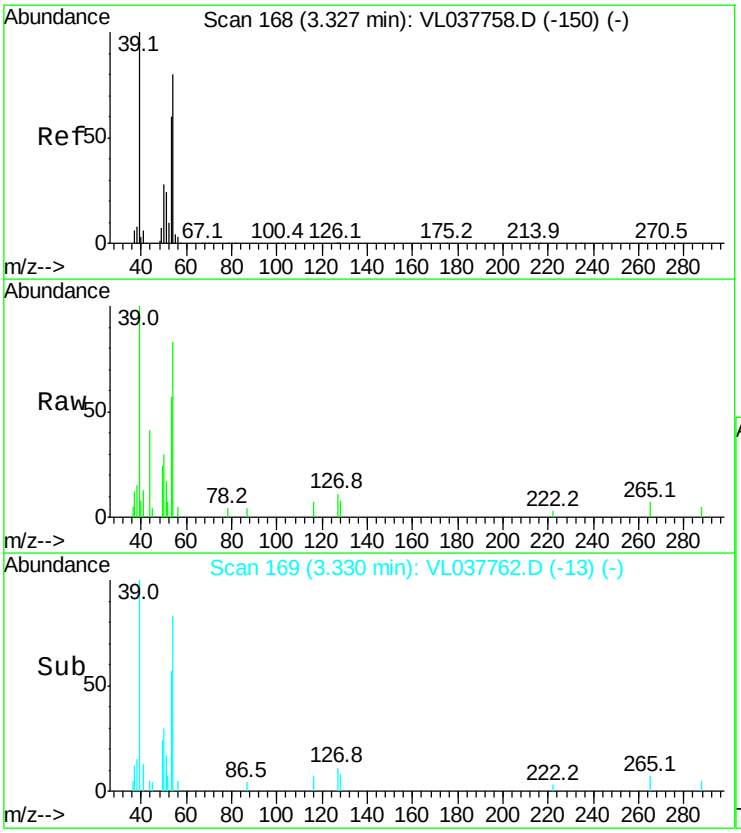
#15
Acetone
Concen: 0.064 ppbv
RT: 3.87
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 9532

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.0	34.6#

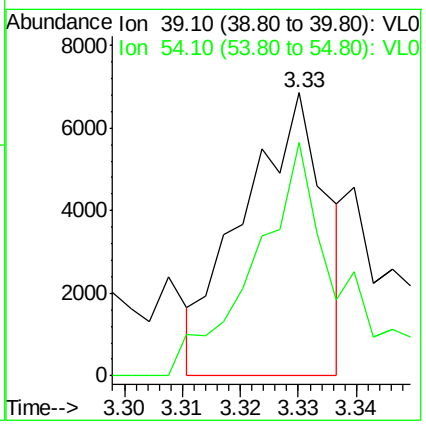


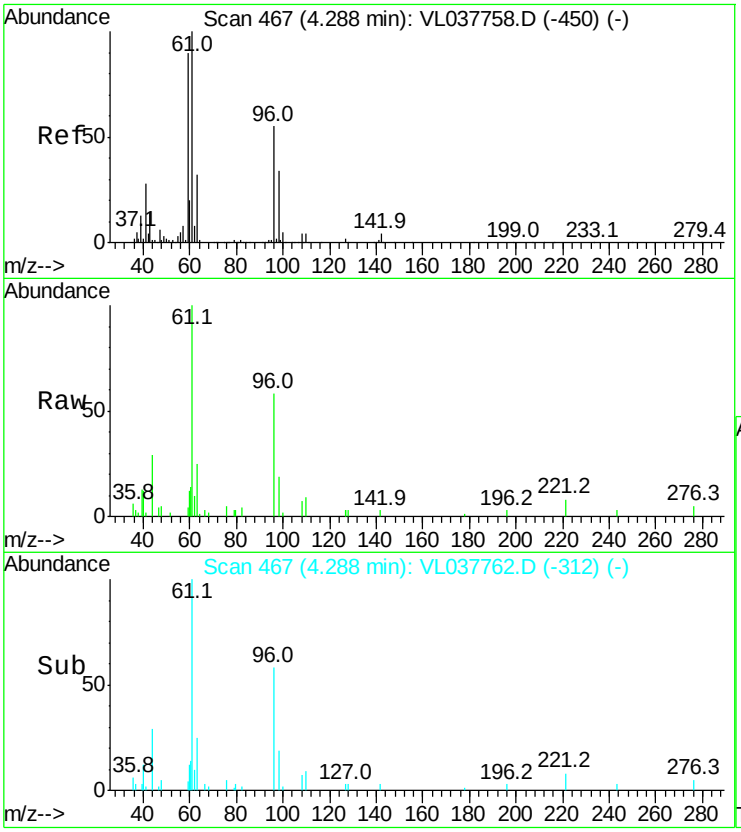


#16
1,3-Butadiene
Concen: 0.073 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 39 Resp: 6762

Ion	Ratio	Lower	Upper
39	100		
54	107.9	61.7	92.5#



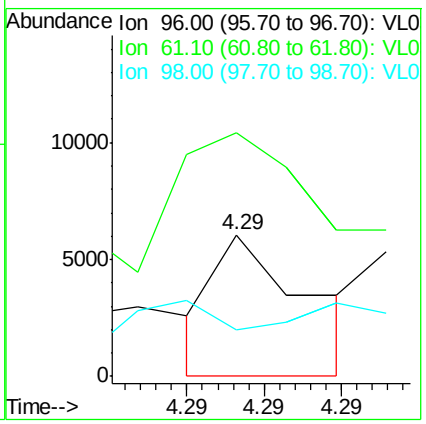


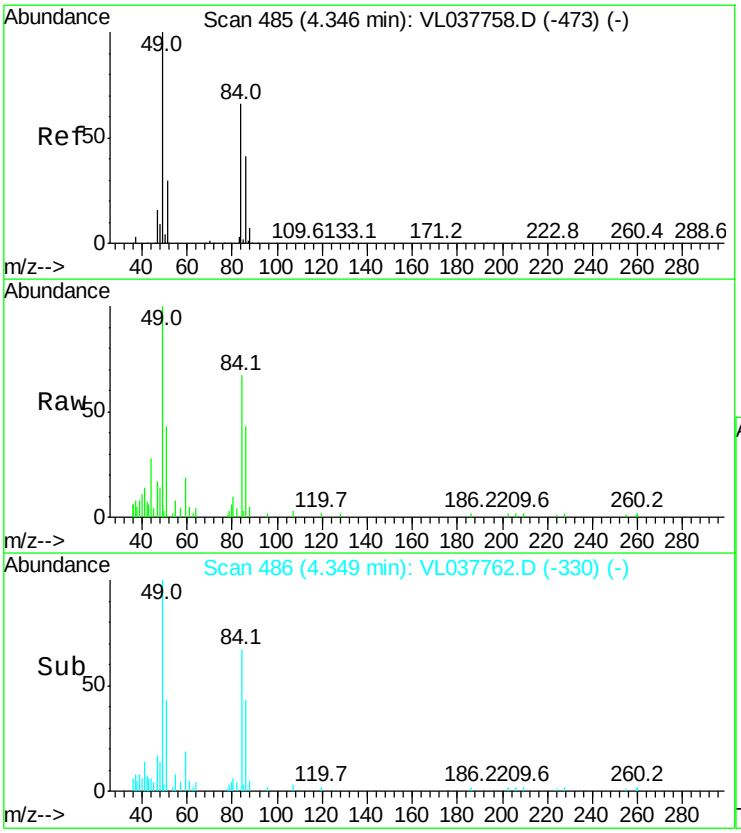
#18
1,1-Dichloroethene
Concen: 0.035 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 96 Resp: 2503

Ion	Ratio	Lower	Upper
96	100		
61	120.5	146.2	219.4#
98	0.0	50.0	75.0#

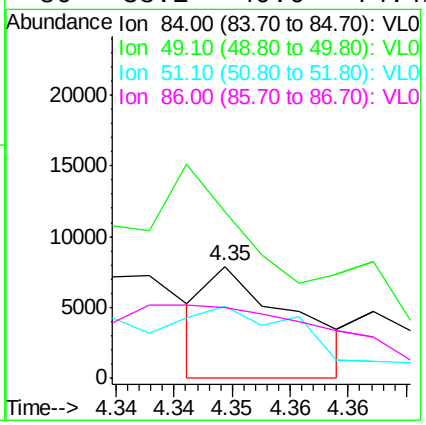


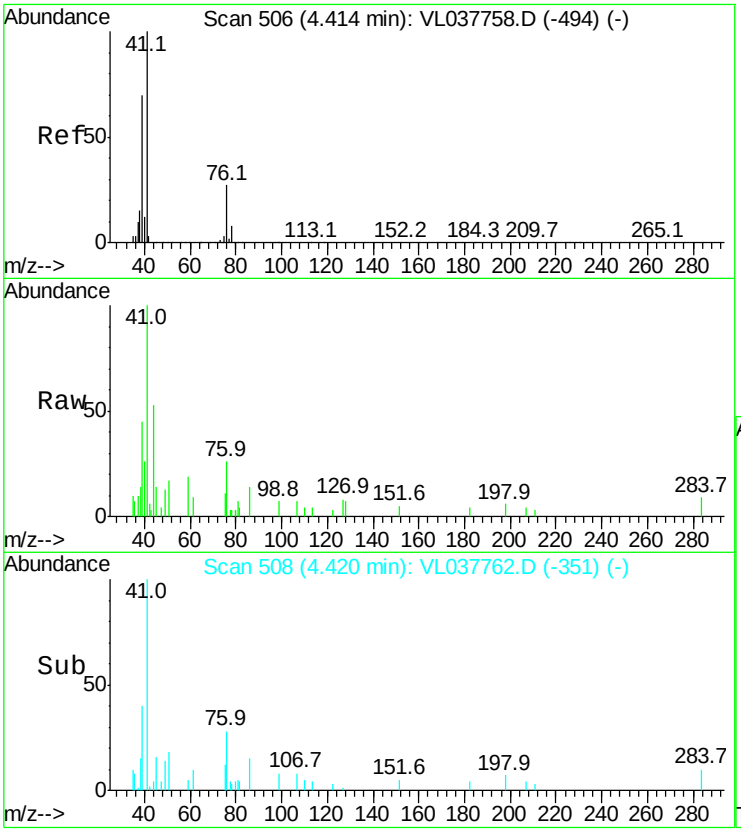


#20
Methylene Chloride
Concen: 0.058 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 84 Resp: 4085

Ion	Ratio	Lower	Upper
84	100		
49	100.5	120.7	181.1#
51	86.1	36.2	54.4#
86	38.1	49.6	74.4#



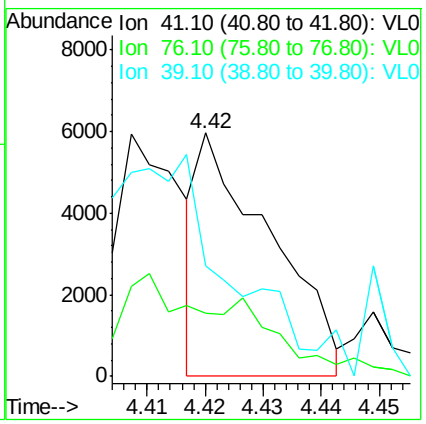


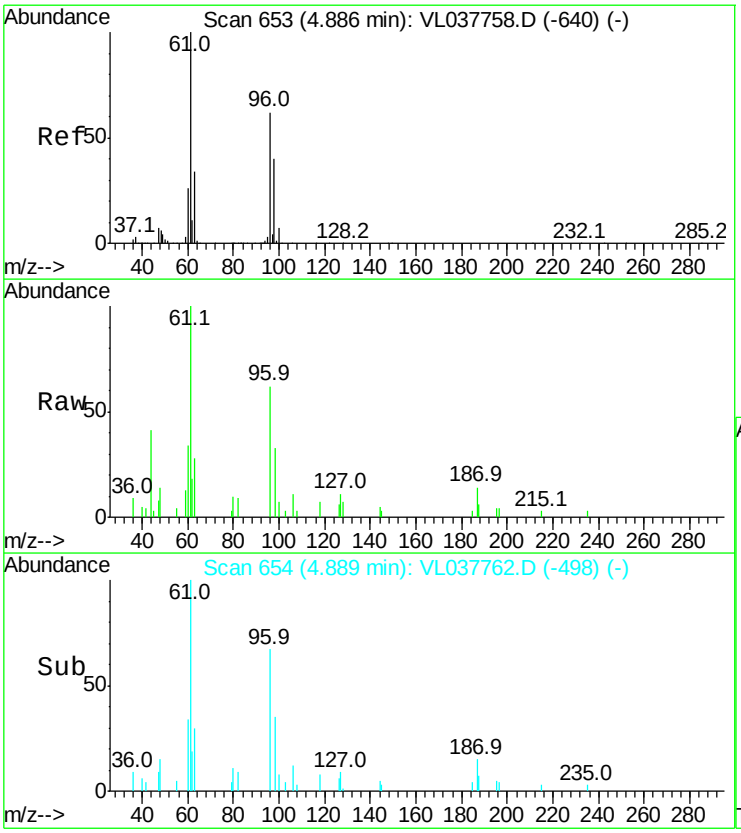
#21
Allyl Chloride
Concen: 0.047 ppbv
RT: 4.42
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 5200

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.4	33.6#
39	222.6	58.0	87.0#

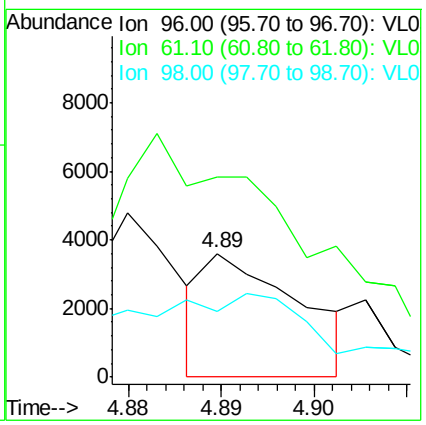


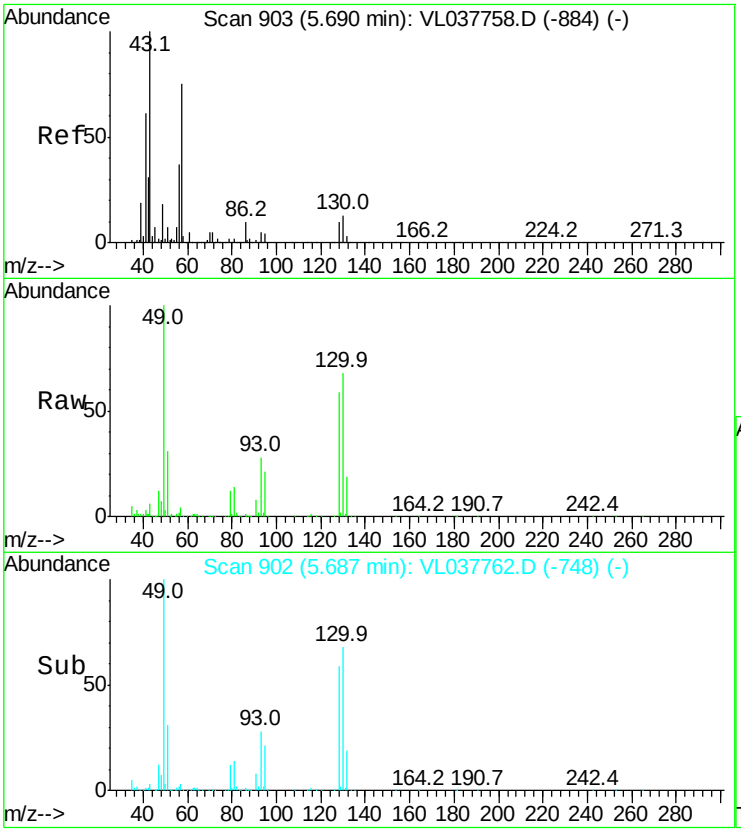


#22
trans-1,2-Dichloroethene
Concen: 0.036 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 96 Resp: 2540

Ion	Ratio	Lower	Upper
96	100		
61	119.3	129.0	193.6#
98	71.8	51.7	77.5



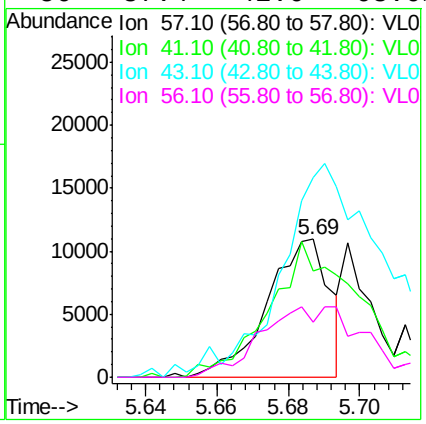


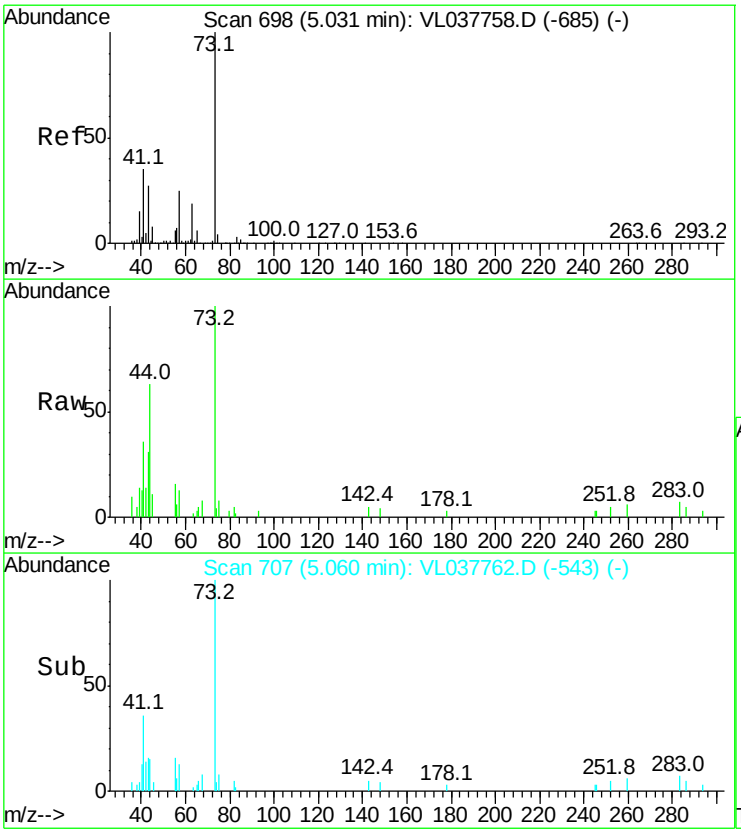
#26
Hexane
Concen: 0.078 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 57 Resp: 13248

Ion	Ratio	Lower	Upper
57	100		
41	163.5	69.6	104.4#
43	287.9	171.4	257.0#
56	87.4	42.0	63.0#

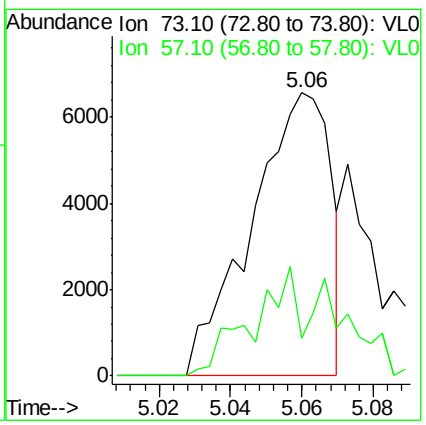


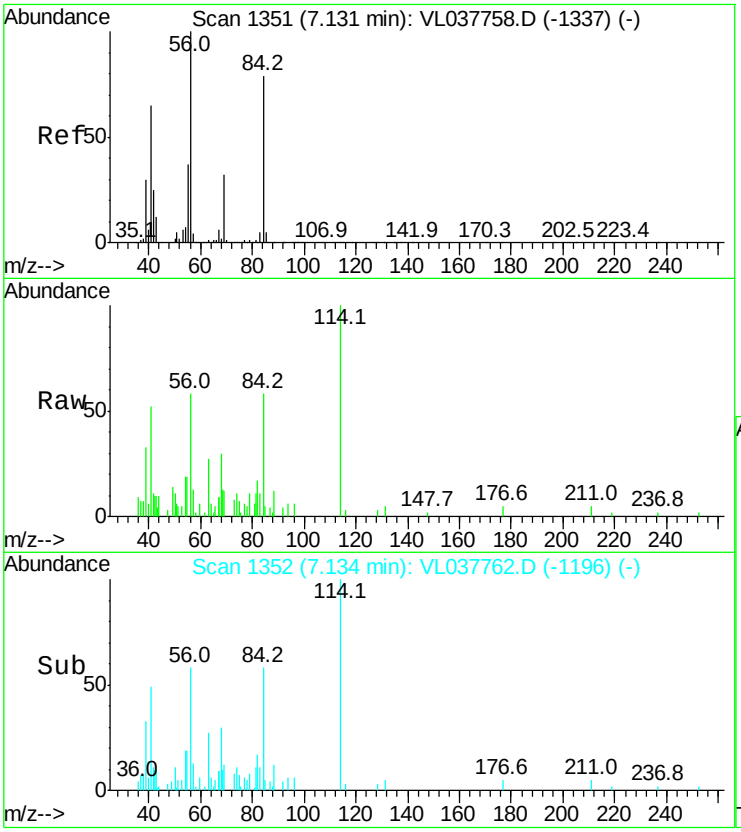


#28
Methyl tert-Butyl Ether
Concen: 0.067 ppbv
RT: 5.06 min Scan# 707
Delta R.T. 0.03 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 73 Resp: 10094

Ion	Ratio	Lower	Upper
73	100		
57	40.7	20.4	30.6#



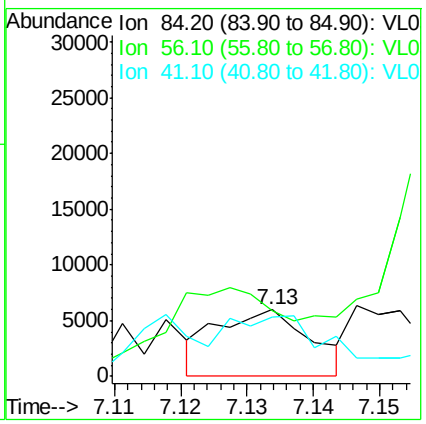


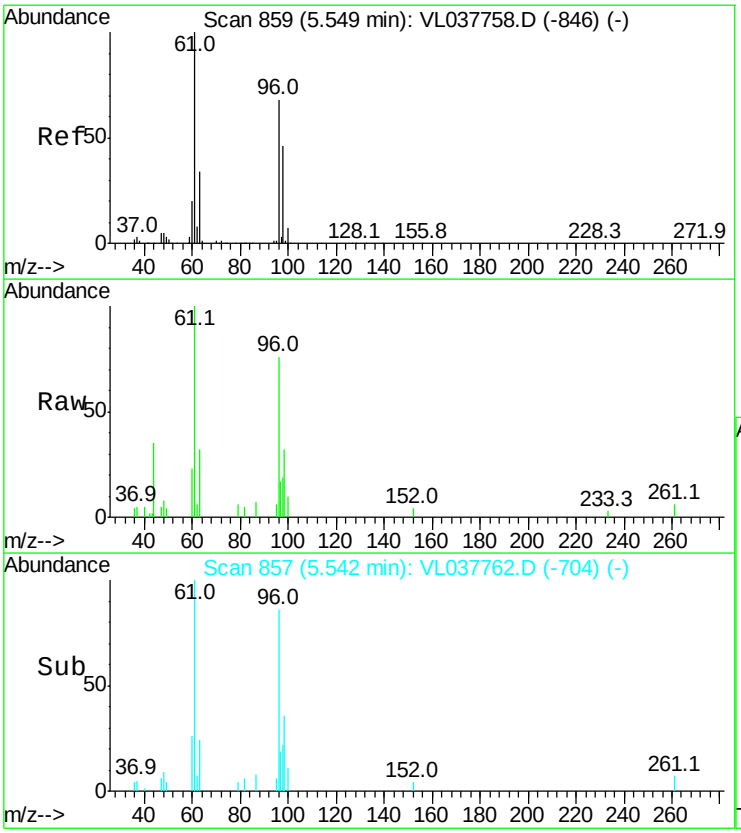
#30
Cyclohexane
Concen: 0.040 ppbv
RT: 7.13
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 84 Resp: 5869

Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.0	169.4#
41	0.0	69.1	103.7#

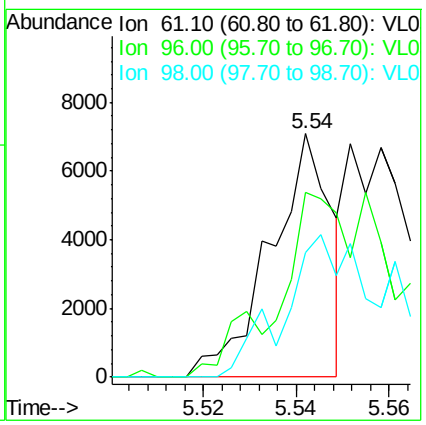


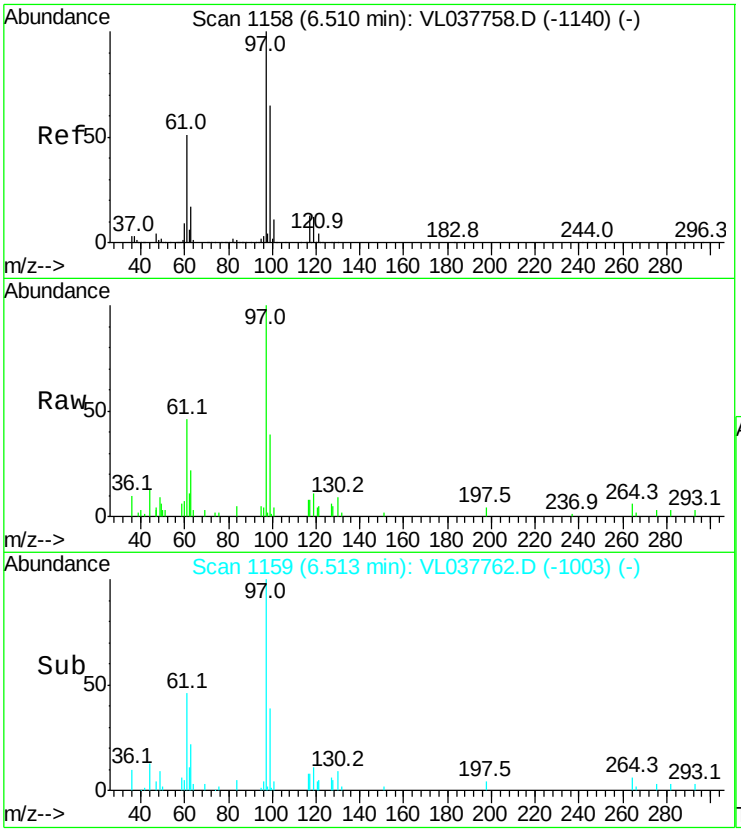


#31
cis-1,2-Dichloroethene
Concen: 0.042 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 61 Resp: 6444

Ion	Ratio	Lower	Upper
61	100		
96	75.7	54.2	81.2
98	51.4	36.6	54.8



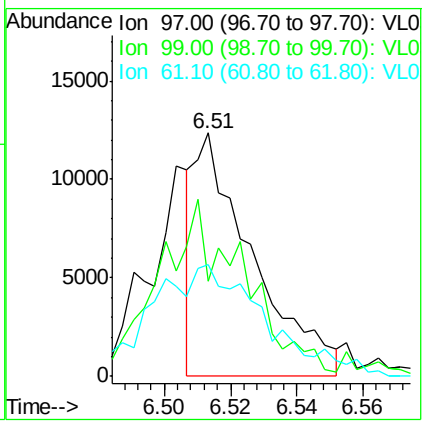


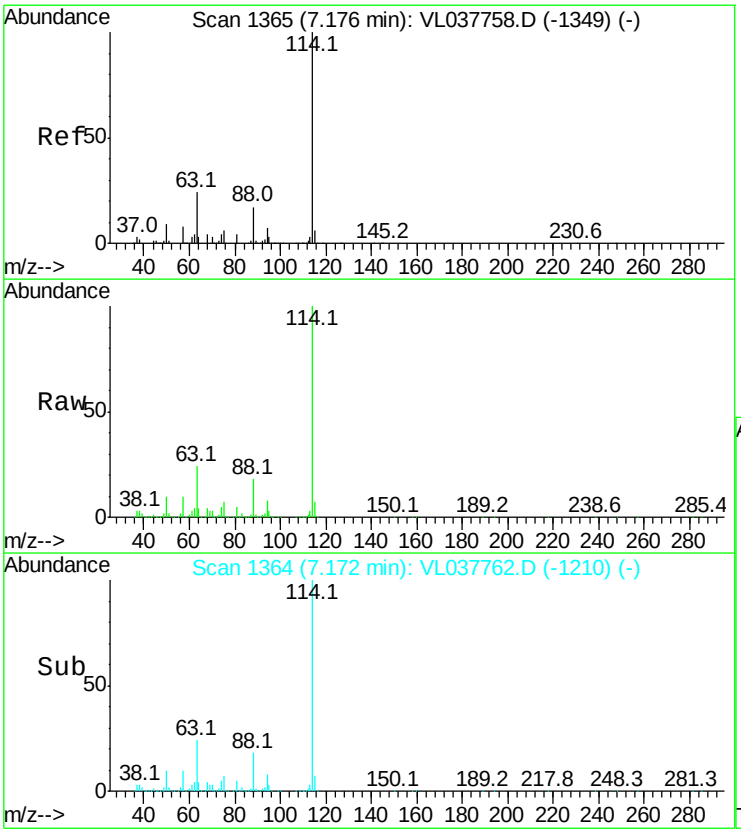
#32
1,1,1-Trichloroethane
Concen: 0.065 ppbv
RT: 6.51
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 14926

Ion	Ratio	Lower	Upper
97	100		
99	115.0	52.6	78.8#
61	92.5	40.2	60.4#

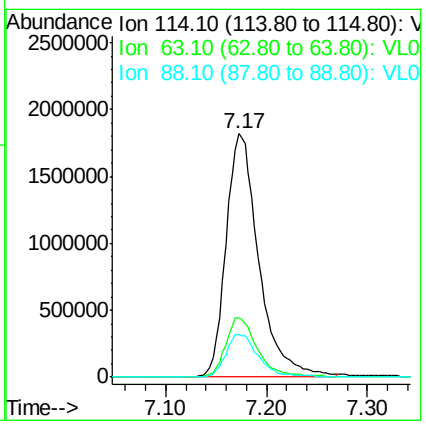


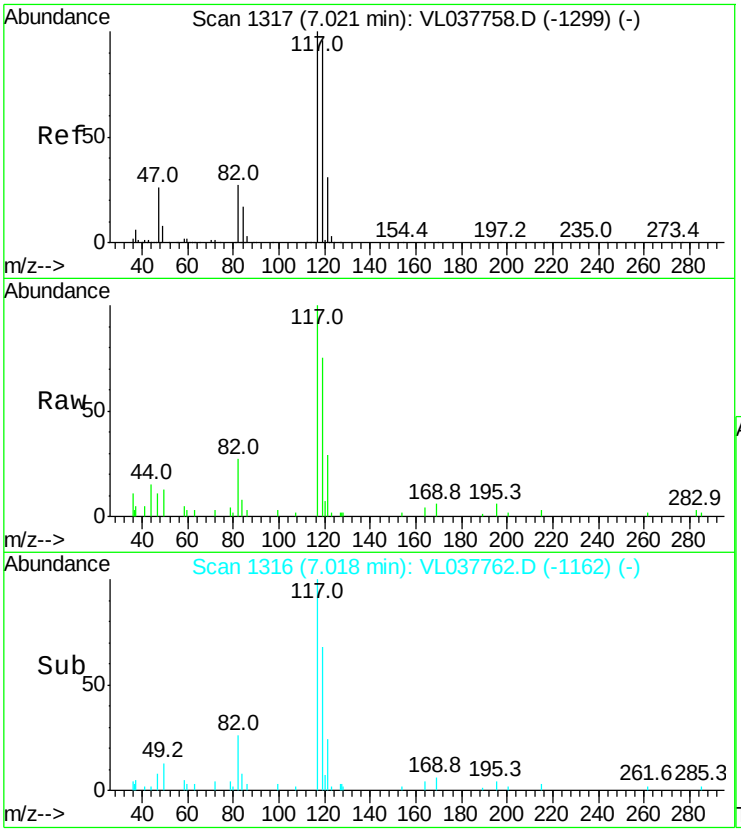


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion:114 Resp: 4122795

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.2
88	17.8	14.4	21.6



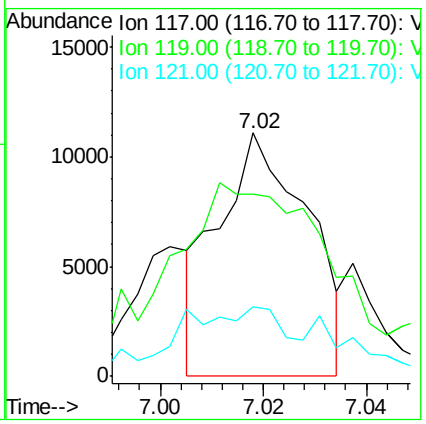


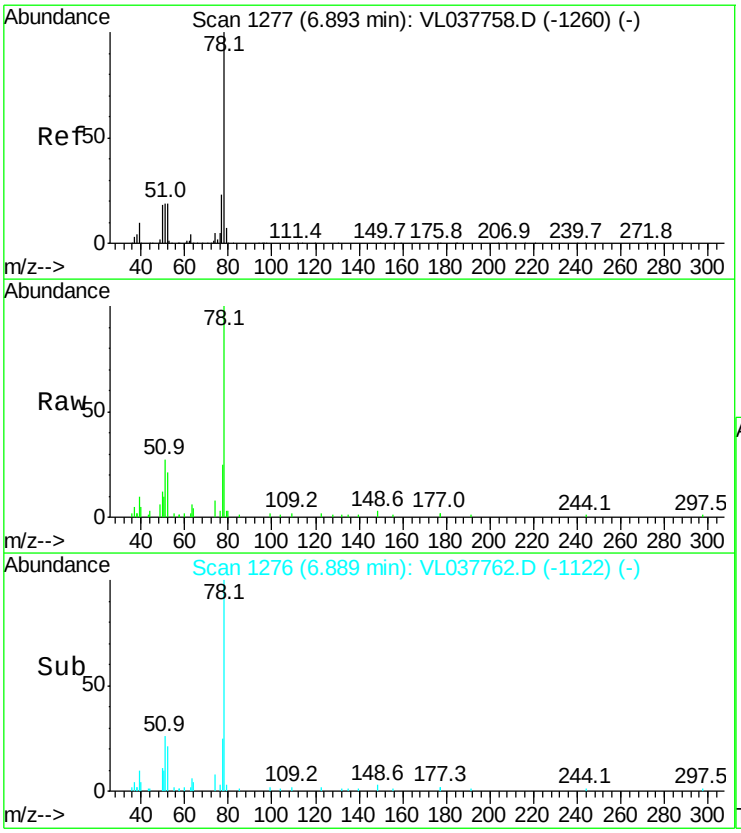
#35
Carbon Tetrachloride
Concen: 0.057 ppbv
RT: 7.02
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 13342

Ion	Ratio	Lower	Upper
117	100		
119	52.0	76.5	114.7#
121	26.1	24.9	37.3

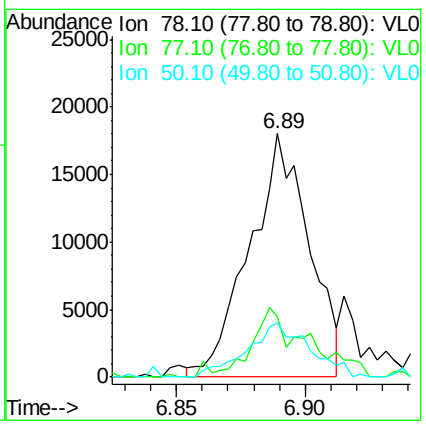


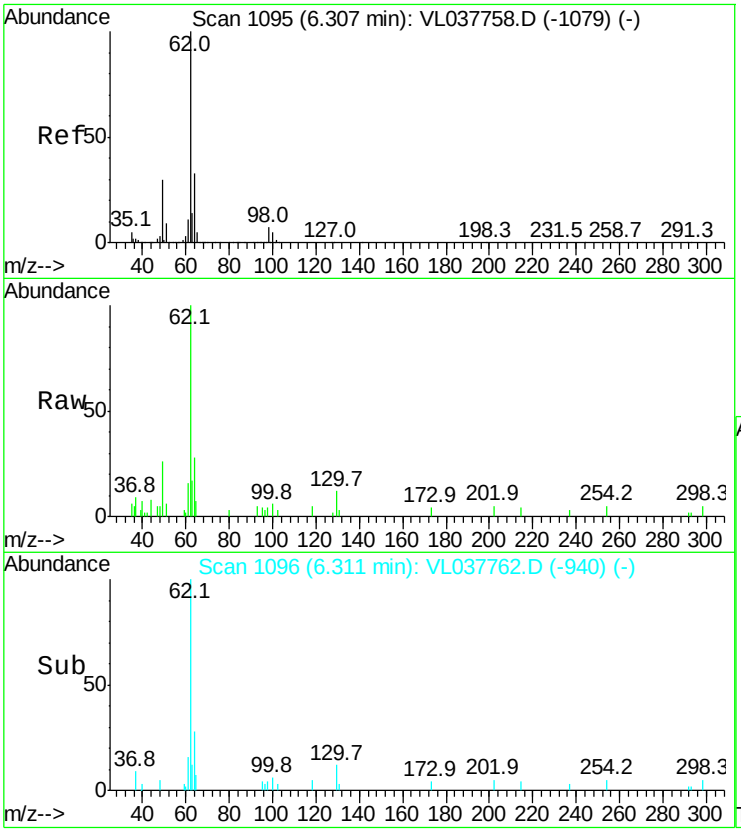


#36
Benzene
Concen: 0.084 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 78 Resp: 28900

Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.8	28.2
50	23.3	14.7	22.1#



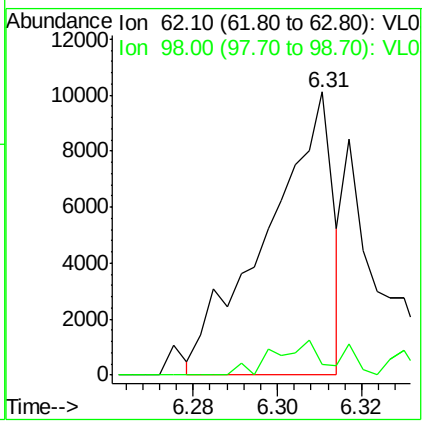


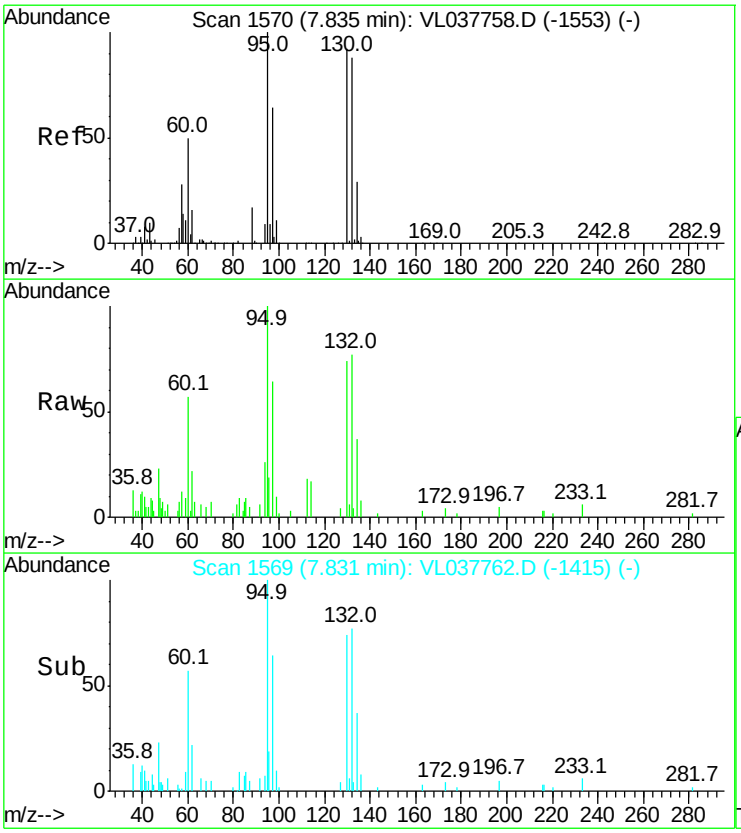
#37
1,2-Dichloroethane
Concen: 0.065 ppbv
RT: 6.31
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 10944

Ion	Ratio	Lower	Upper
62	100		
98	14.0	6.1	9.1#

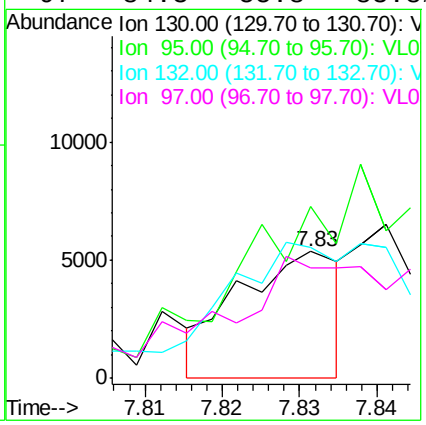


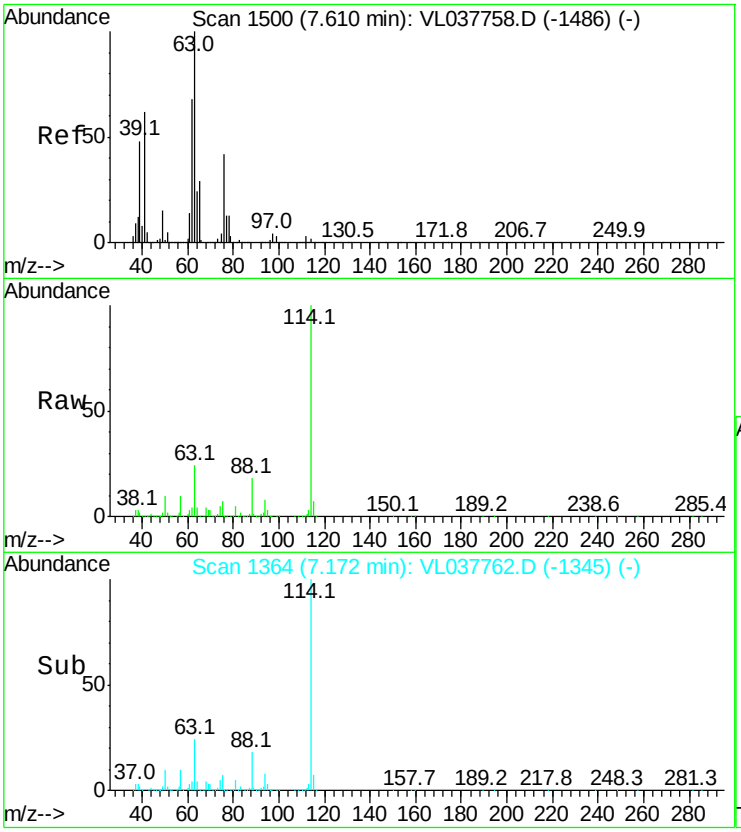


#38
Trichloroethene
Concen: 0.034 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion:130 Resp: 4880

Ion	Ratio	Lower	Upper
130	100		
95	190.4	87.4	131.0#
132	121.8	76.8	115.2#
97	84.3	55.8	83.8#



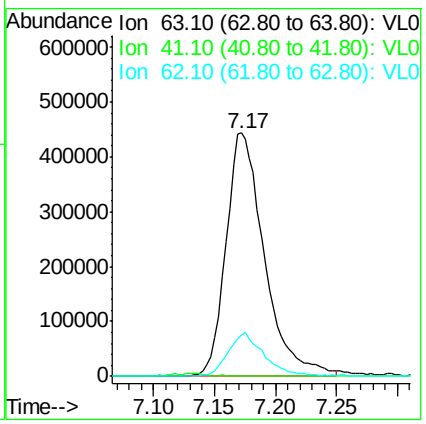


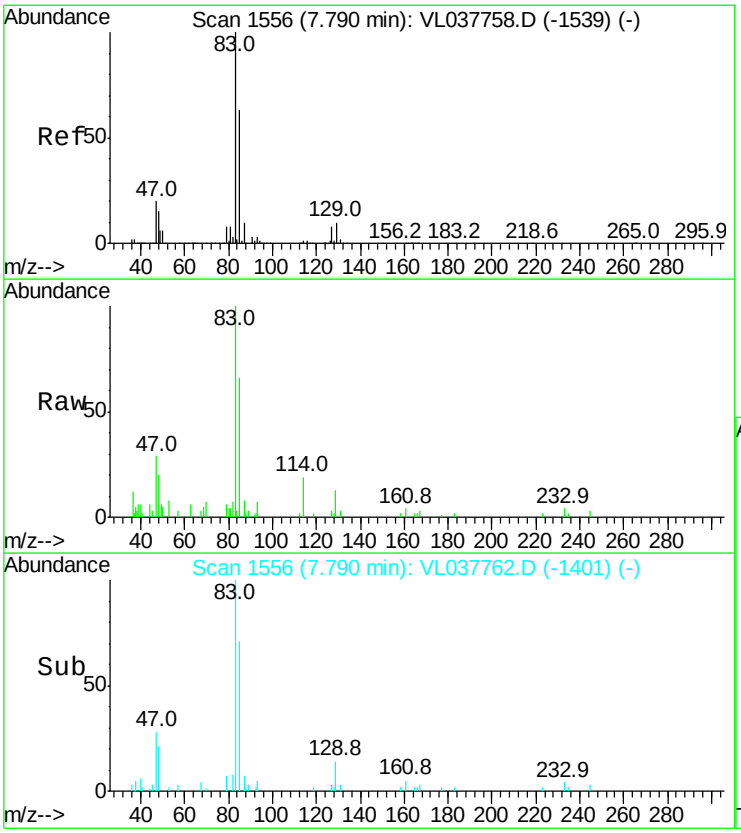
#39
1,2-Dichloropropane
Concen: 7.349 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 4 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 63 Resp: 967683

Ion	Ratio	Lower	Upper
63	100		
41	0.3	49.8	74.6#
62	16.8	54.6	82.0#





#42
Bromodichloromethane
Concen: 0.069 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VL037762.D
Acq: 4 Oct 2021 15:20

Tgt Ion: 83 Resp: 16732

Ion	Ratio	Lower	Upper
83	100		
85	68.3	50.6	75.8
127	4.3	6.2	9.4#