Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081722\
Data File : VL039546.D
Acq On : 17 Aug 2022 12:45
Operator : SY/AP
Sample : N3986-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : E061-1100DL

Quant Time: Aug 18 05:35:05 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 17 12:06:24 2022
QLast Update : Wed Aug 17 12:06:24 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.20	49	1047517	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	6.66	114	2753351	10.00	ppbv		0.00
55) Chlorobenzene-d5	11.47	117	2486502	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.78	95	1962503	10.48	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.75	85	853351	6.061	ppbv		98
3) Chlorodifluoromethane	2.75	51	5112	0.041	ppbv	#	69
4) Chloromethane	2.75	50	118480	1.578	ppbv	#	45
5) Vinyl Chloride	2.94	62	317845	4.910	ppbv		98
7) Chloroethane	3.02	64	1209	0.052	ppbv	#	43
8) Dichlorotetrafluoroethane	2.75	85	853351	5.644	ppbv	#	14
9) Propene	2.73	41	6890	0.120	ppbv	#	60
12) 1,1,2-Trichlorotrifluoroet	4.09	101	925746	8.103	ppbv		99
13) Ethanol	3.25	45	171	0.042	ppbv	#	29
15) Acetone	3.50	43	12018	0.102	ppbv	#	49
17) tert-Butyl alcohol	4.08	59	3126	0.031	ppbv		96
20) Methylene Chloride	3.95	84	99910	2.073	ppbv		97
25) Ethyl Acetate	5.22	43	18896	0.075	ppbv	#	77
26) Hexane	5.23	57	54744	0.529	ppbv	#	37
29) Chloroform	5.28	83	1165300	7.195	ppbv		96
36) Benzene	6.38	78	813525	3.877	ppbv		97
39) 1,2-Dichloropropane	6.66	63	683450	8.690	ppbv	#	24
42) Bromodichloromethane	7.25	83	977340	6.134	ppbv		99
53) Toluene	9.22	91	1644332	6.994	ppbv		99
58) Ethyl Benzene	12.09	91	1637250	5.686	ppbv		100
59) m/p-Xylene	12.09	91	1637250	6.324	ppbv	#	100
64) n-propylbenzene	15.35	120	1163343	11.877	ppbv	#	1
72) 4-Ethyltoluene	15.35	105	2570264	8.814	ppbv	#	100
73) 1,3,5-Trimethylbenzene	15.35	105	2570264	9.651	ppbv		97
75) 1,3-Dichlorobenzene	16.47	146	1824501	10.114	ppbv		98
76) 1,4-Dichlorobenzene	16.47	146	1824501	10.099	ppbv		99

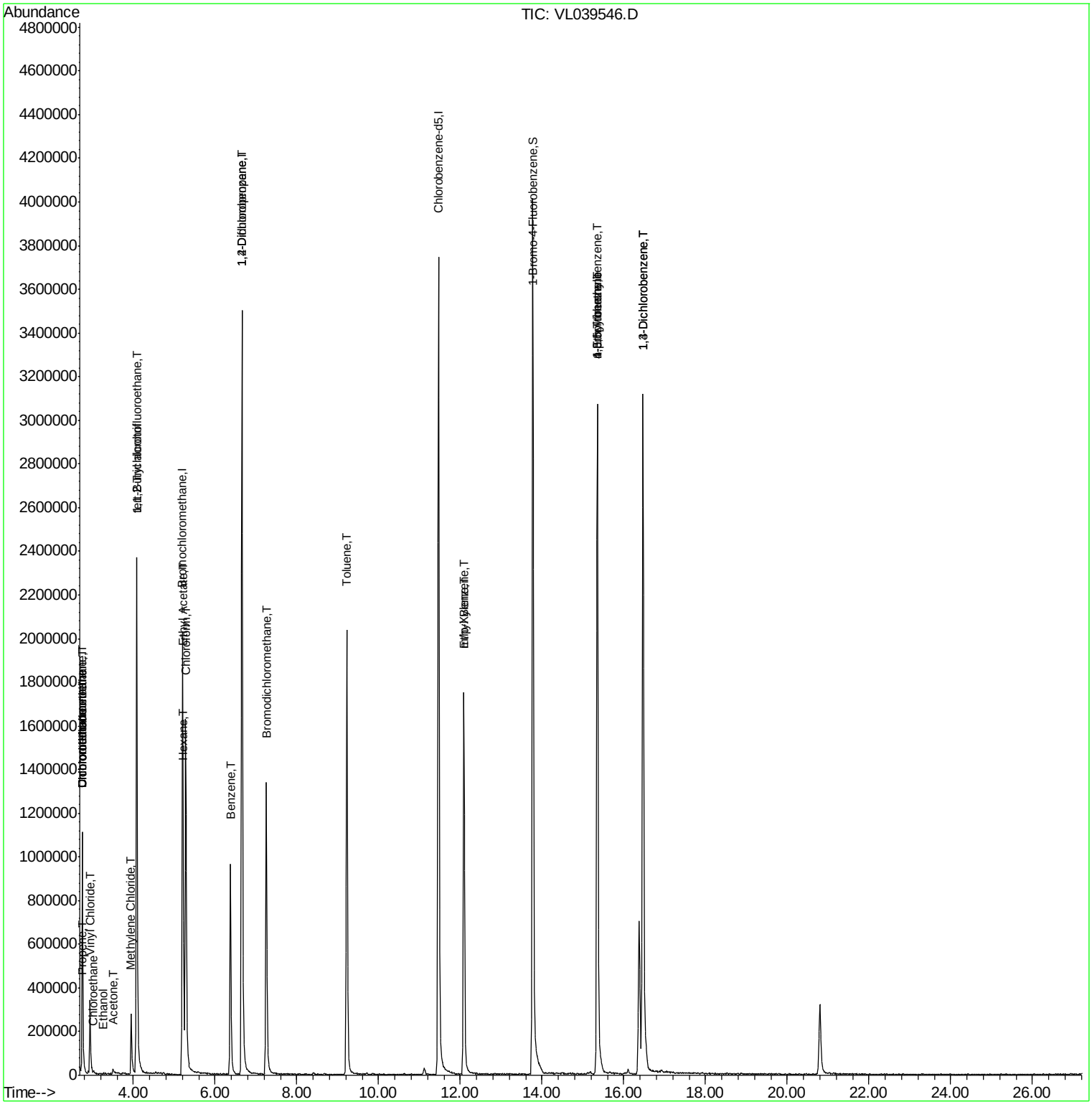
(#) = qualifier out of range (m) = manual integration (+) = signals summed

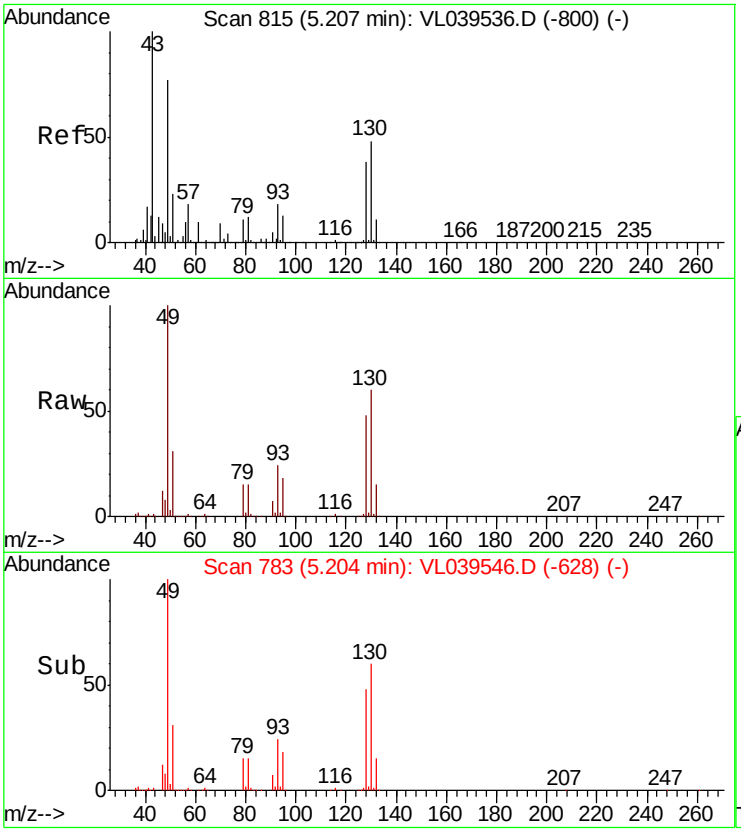
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081722\
Data File : VL039546.D
Acq On : 17 Aug 2022 12:45
Operator : SY/AP
Sample : N3986-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Quant Time: Aug 18 05:35:05 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 17 12:06:24 2022
QLast Update : Wed Aug 17 12:06:24 2022
Response via : Initial Calibration



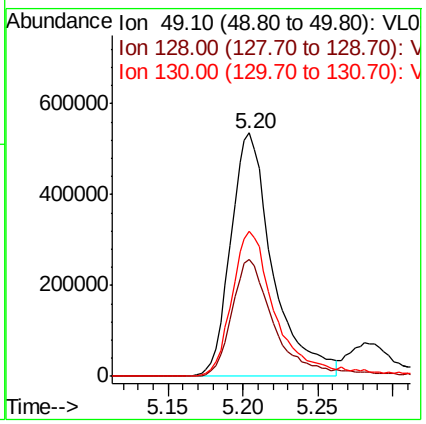


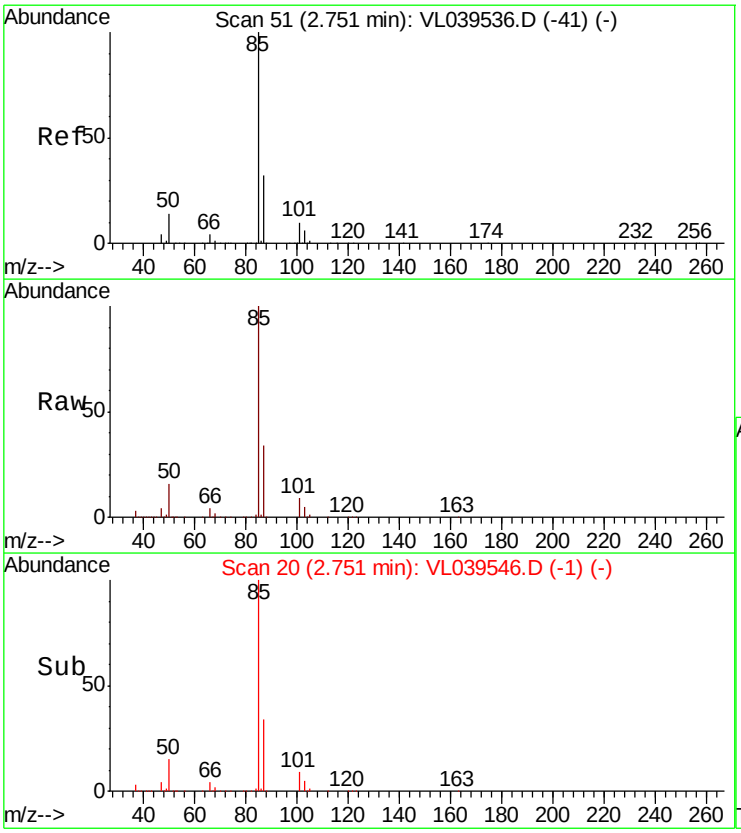
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.20
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion: 49 Resp: 1047517

Ion	Ratio	Lower	Upper
49	100		
128	50.6	25.7	77.0
130	64.8	31.6	95.0

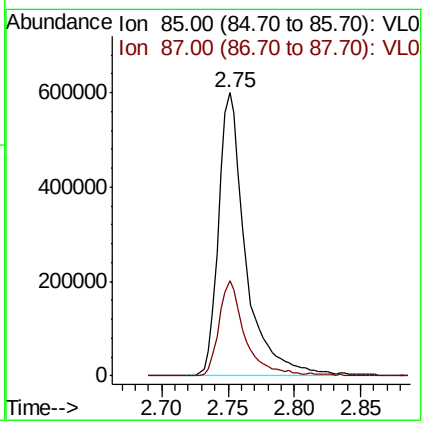


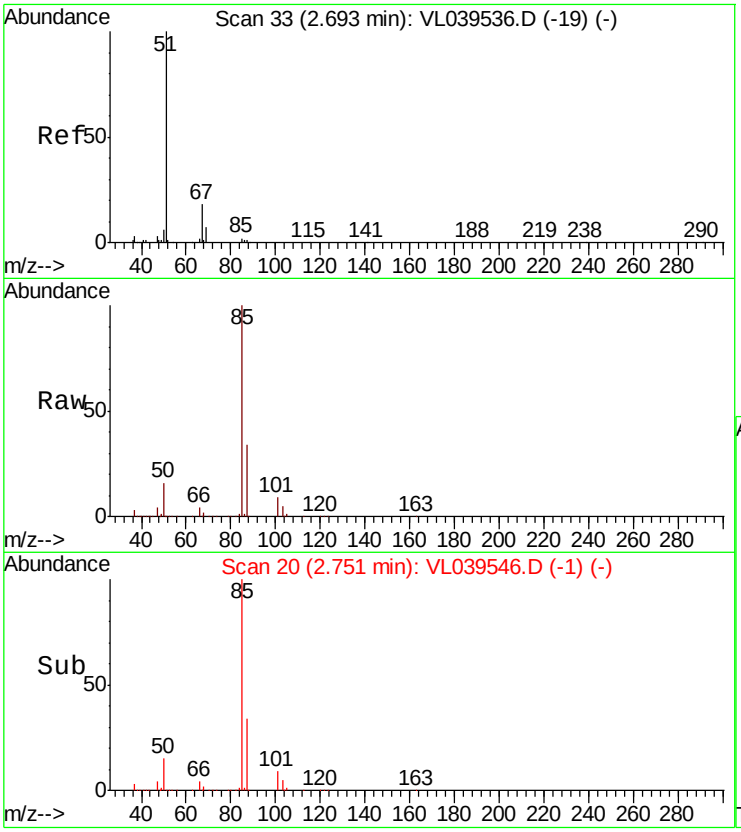


#2
Dichlorodifluoromethane
Concen: 6.061 ppbv
RT: 2.75 min Scan# 20
Delta R.T. 0.00 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 85 Resp: 853351

Ion	Ratio	Lower	Upper
85	100		
87	33.7	25.9	38.9



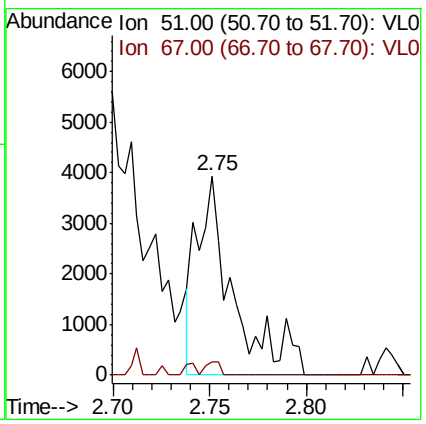


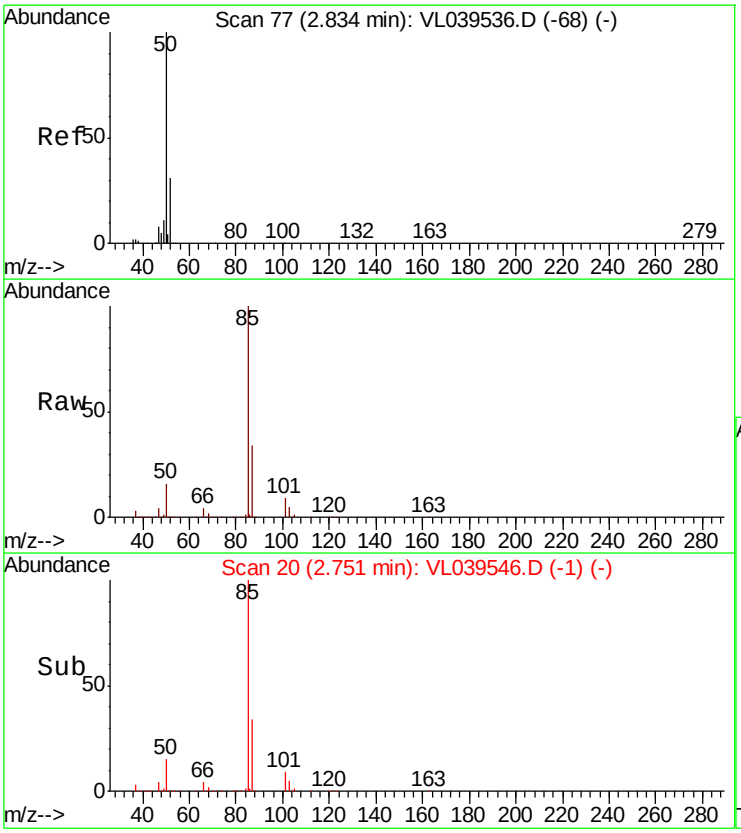
#3
Chlorodifluoromethane
Concen: 0.041 ppbv
RT: 2.75
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion: 51 Resp: 5112

Ion	Ratio	Lower	Upper
51	100		
67	4.4	14.7	22.1#

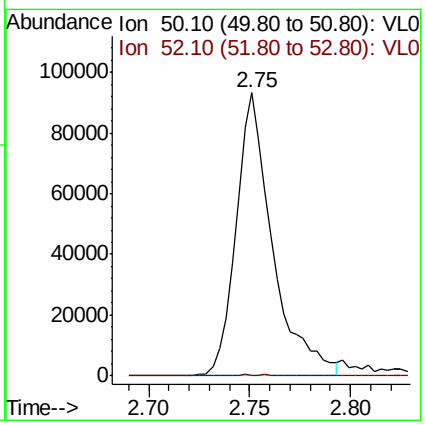


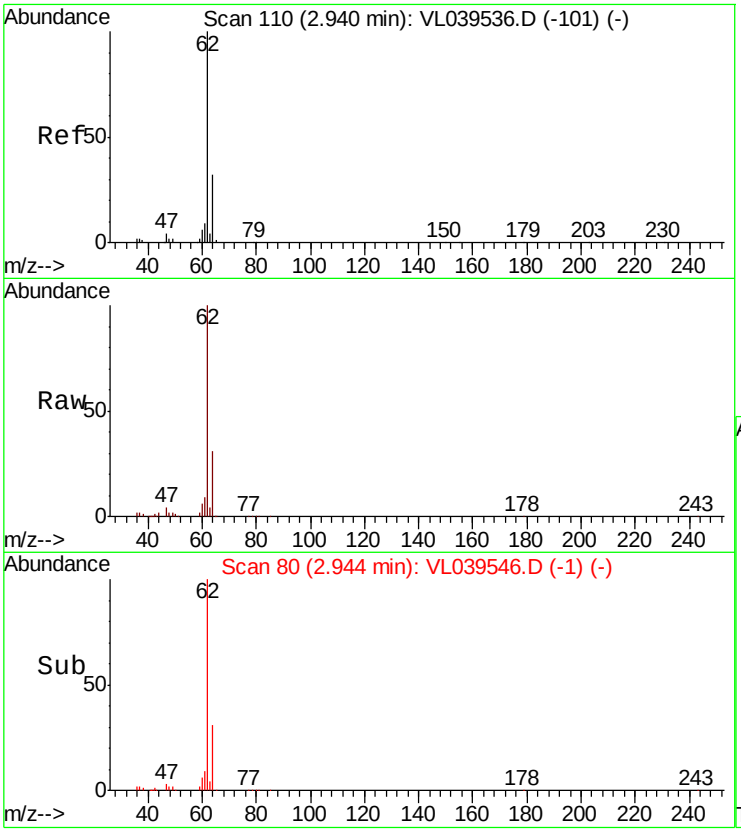


#4
Chloromethane
Concen: 1.578 ppbv
RT: 2.75 min Scan# 20
Delta R.T. -0.08 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 50 Resp: 118480

Ion	Ratio	Lower	Upper
50	100		
52	0.2	24.3	36.5#



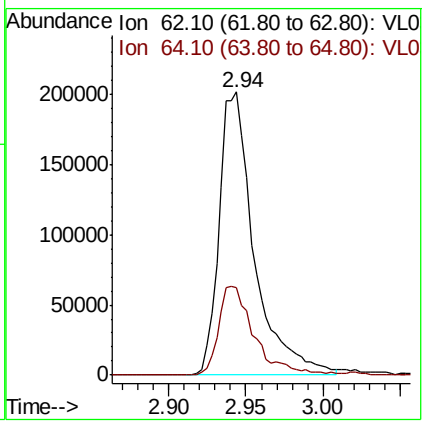


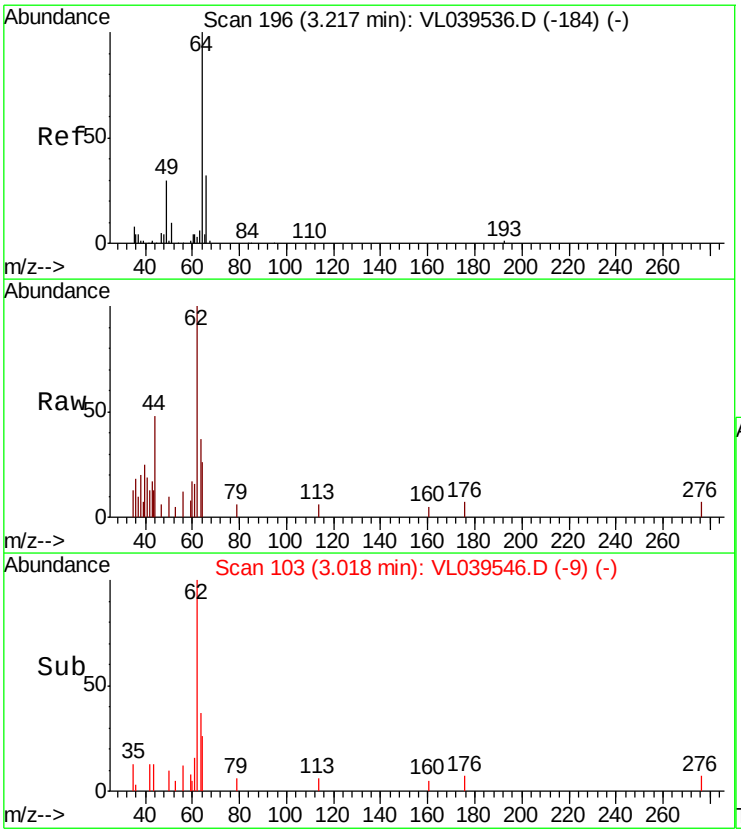
#5
Vinyl Chloride
Concen: 4.910 ppbv
RT: 2.94
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion: 62 Resp: 317845

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.5	38.3

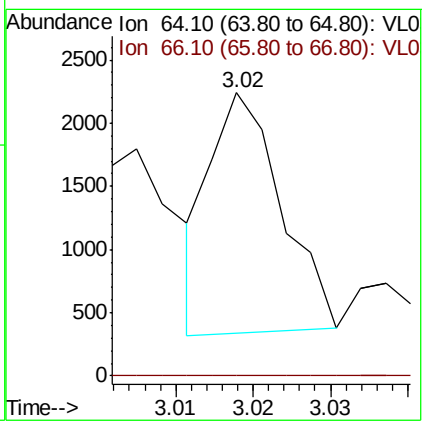


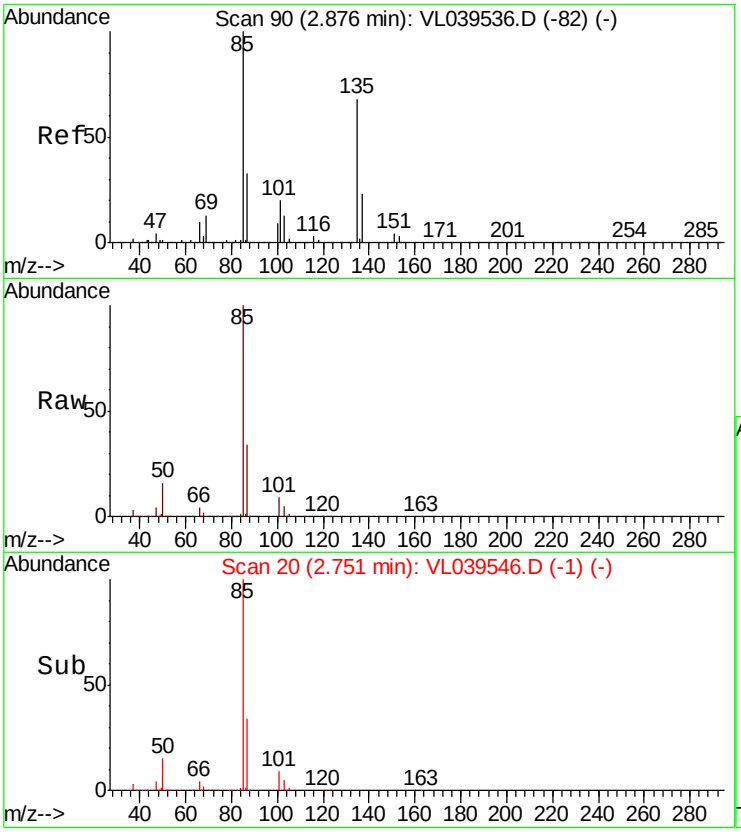


#7
Chloroethane
Concen: 0.052 ppbv
RT: 3.02 min Scan# 103
Delta R.T. -0.20 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 64 Resp: 1209

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.6	38.4#



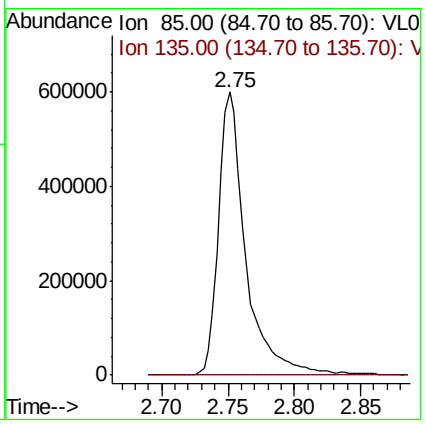


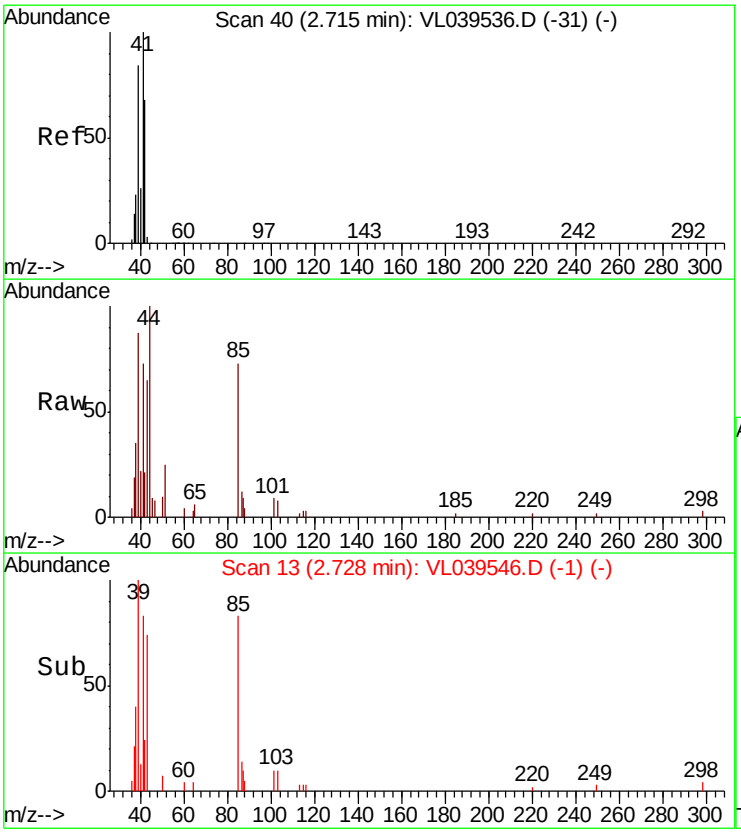
#8
Dichlorotetrafluoroethane
Concen: 5.644 ppbv
RT: 2.75
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion: 85 Resp: 853351

Ion	Ratio	Lower	Upper
85	100		
135	0.0	56.3	84.5#

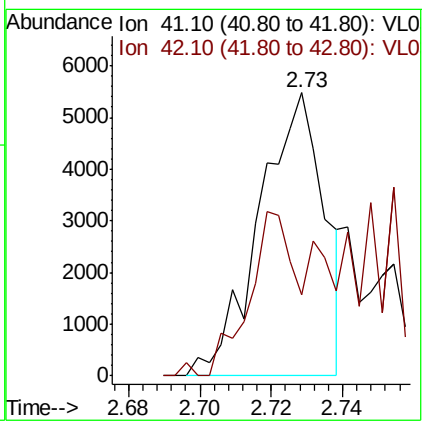


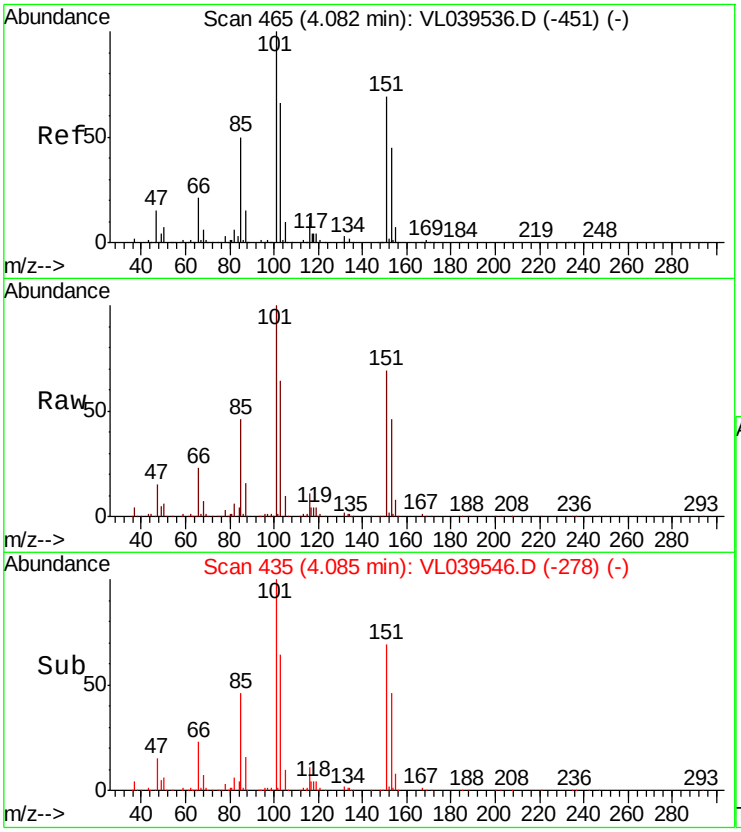


#9
Propene
Concen: 0.120 ppbv
RT: 2.73 min Scan# 13
Delta R.T. 0.01 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 41 Resp: 6890

Ion	Ratio	Lower	Upper
41	100		
42	36.7	55.4	83.0#



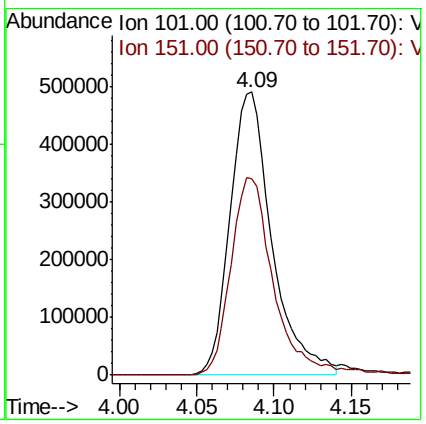


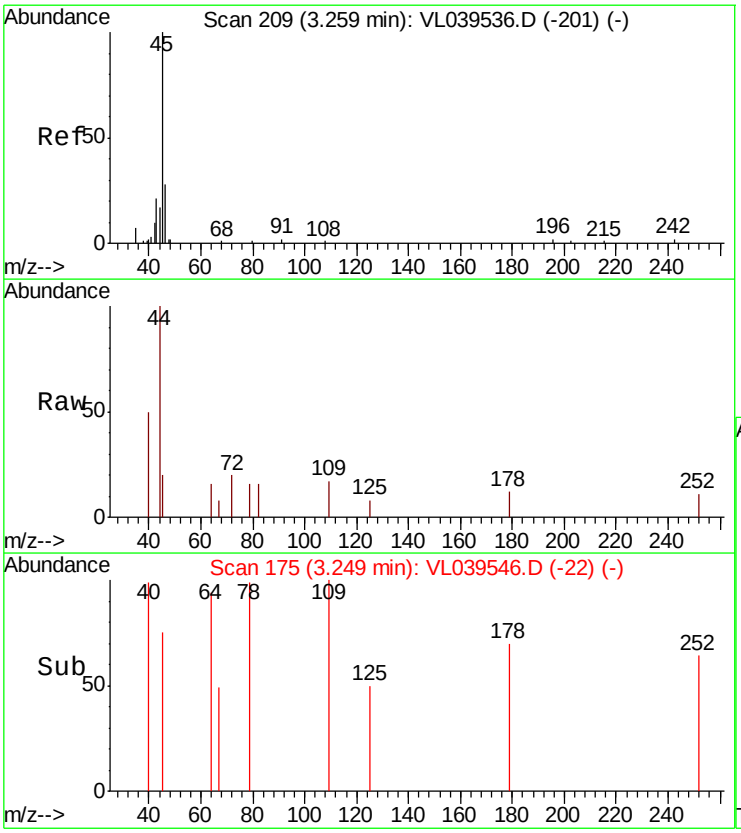
#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.103 ppbv
RT: 4.09
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion:101 Resp: 925746

Ion	Ratio	Lower	Upper
101	100		
151	72.0	58.6	87.8

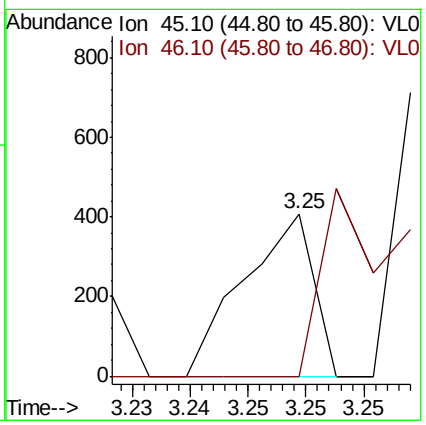


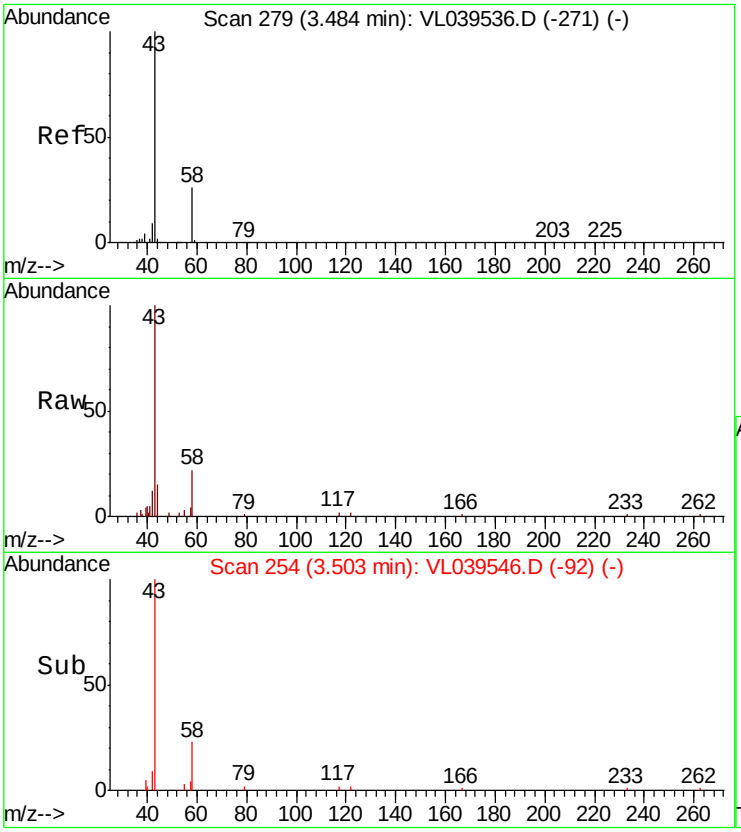


#13
Ethanol
Concen: 0.042 ppbv
RT: 3.25 min Scan# 175
Delta R.T. -0.01 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 45 Resp: 171

Ion	Ratio	Lower	Upper
45	100		
46	0.0	19.3	77.1#



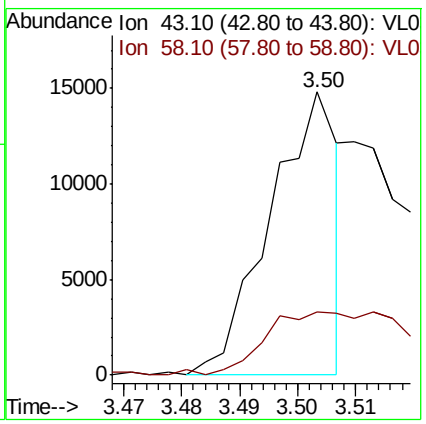


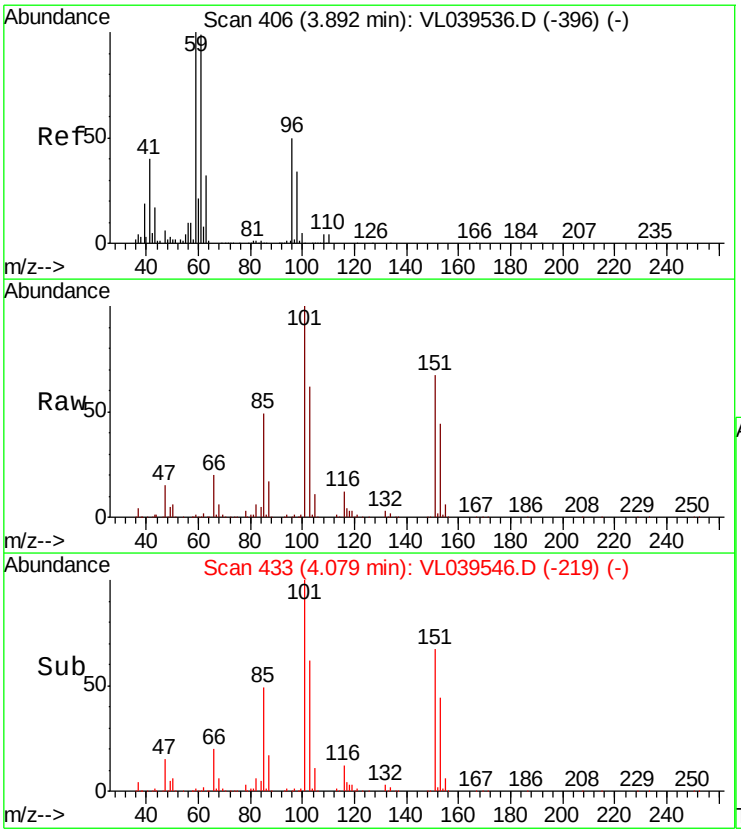
#15
Acetone
Concen: 0.102 ppbv
RT: 3.50
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion: 43 Resp: 12018

Ion	Ratio	Lower	Upper
43	100		
58	0.0	20.7	31.1#

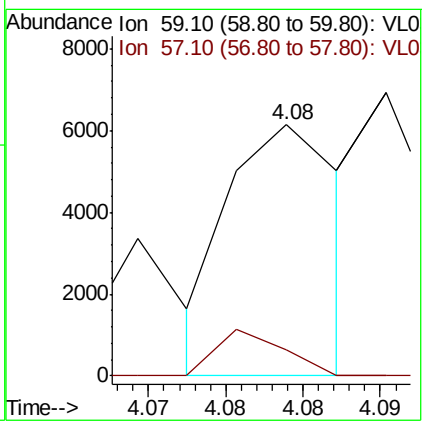


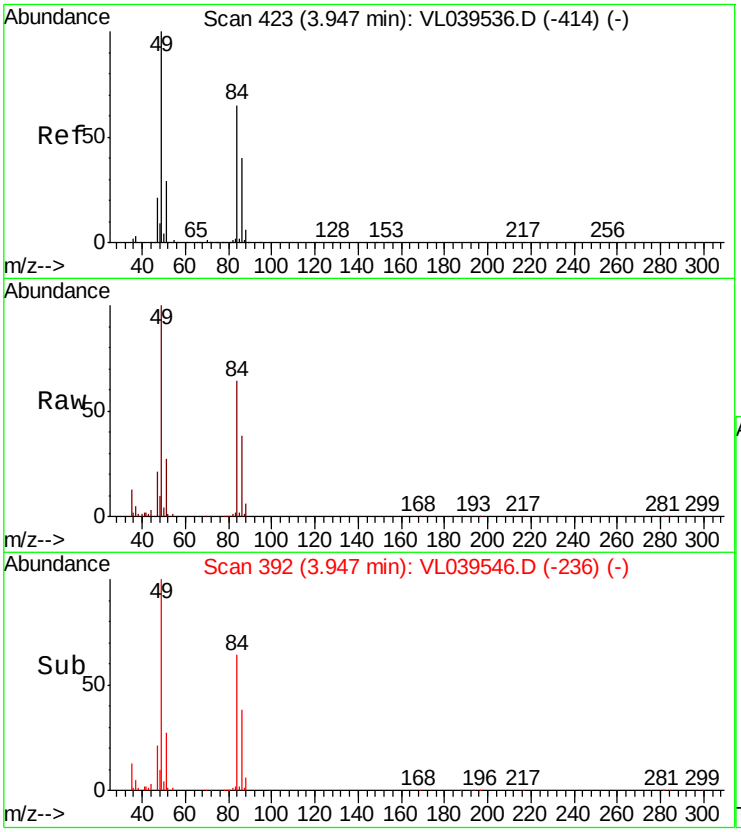


#17
tert-Butyl alcohol
Concen: 0.031 ppbv
RT: 4.08 min Scan# 433
Delta R.T. 0.19 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 59 Resp: 3126

Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.6	12.8



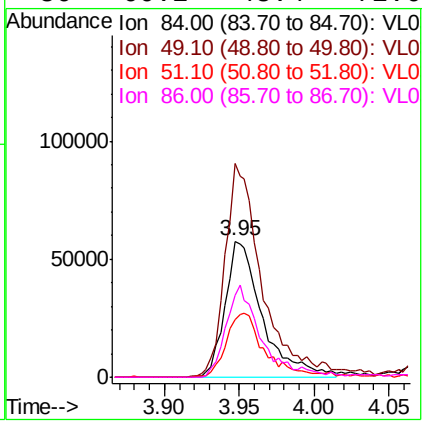


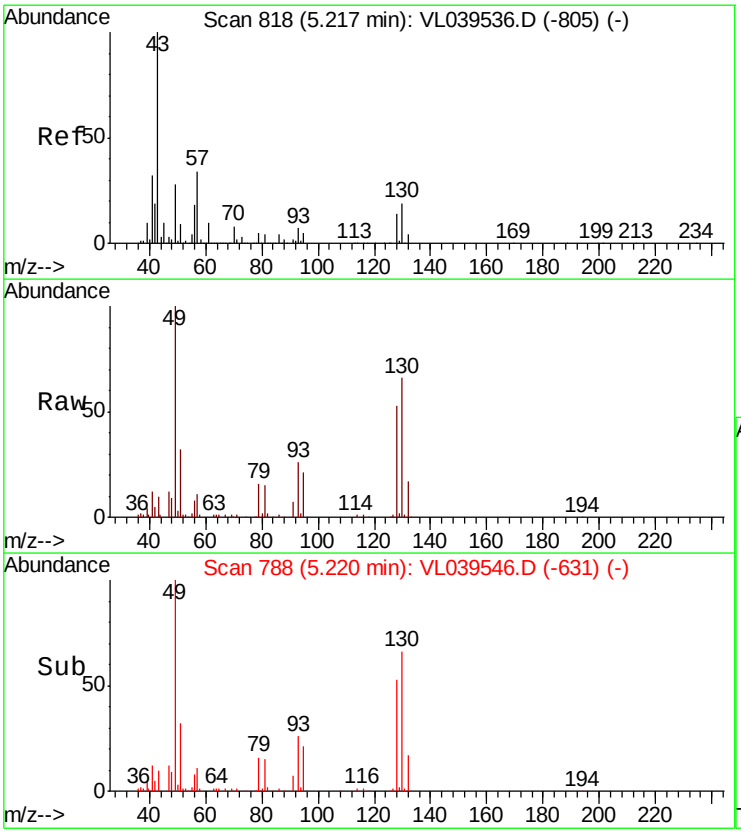
#20
Methylene Chloride
Concen: 2.073 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion: 84 Resp: 99910

Ion	Ratio	Lower	Upper
84	100		
49	156.7	122.2	183.4
51	42.4	35.8	53.6
86	60.2	48.4	72.6

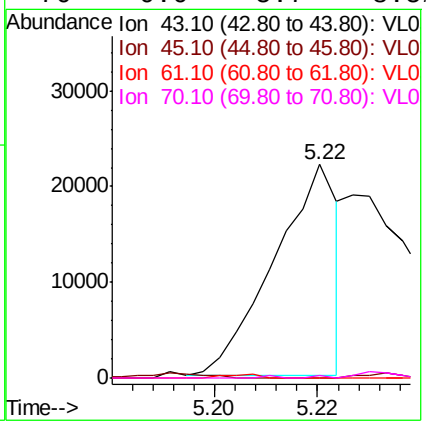


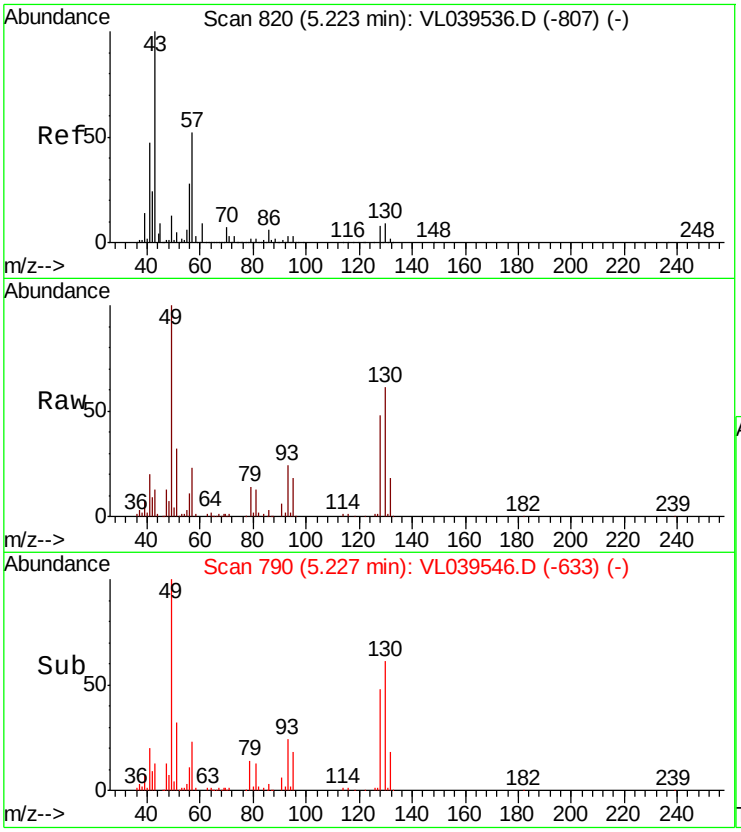


#25
Ethyl Acetate
Concen: 0.075 ppbv
RT: 5.22 min Scan# 788
Delta R.T. 0.00 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 43 Resp: 18896

Ion	Ratio	Lower	Upper
43	100		
45	2.3	8.2	12.4#
61	0.9	8.6	12.8#
70	0.0	5.7	8.5#



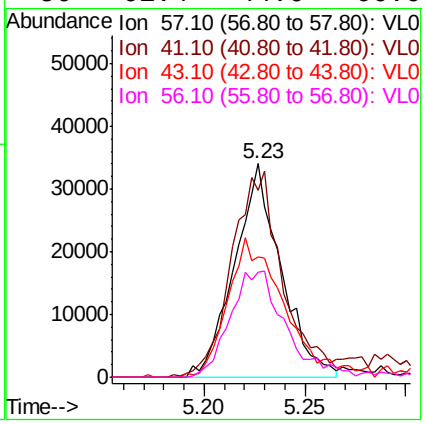


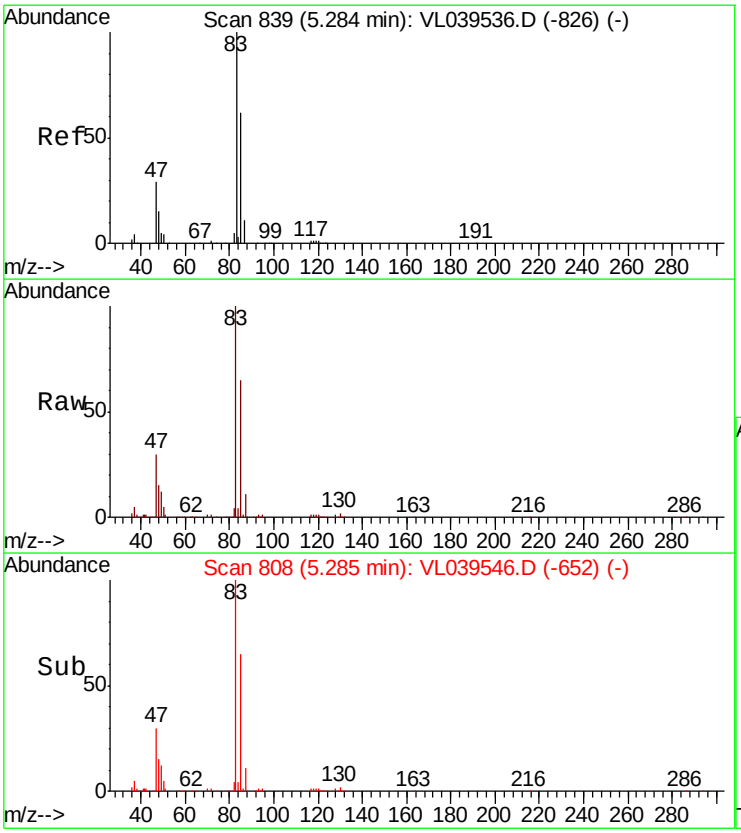
#26
Hexane
Concen: 0.529 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion: 57 Resp: 54744

Ion	Ratio	Lower	Upper
57	100		
41	111.5	79.4	119.2
43	83.4	199.7	299.5#
56	61.4	44.0	66.0

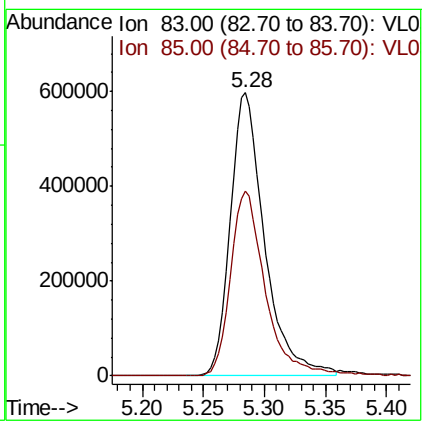


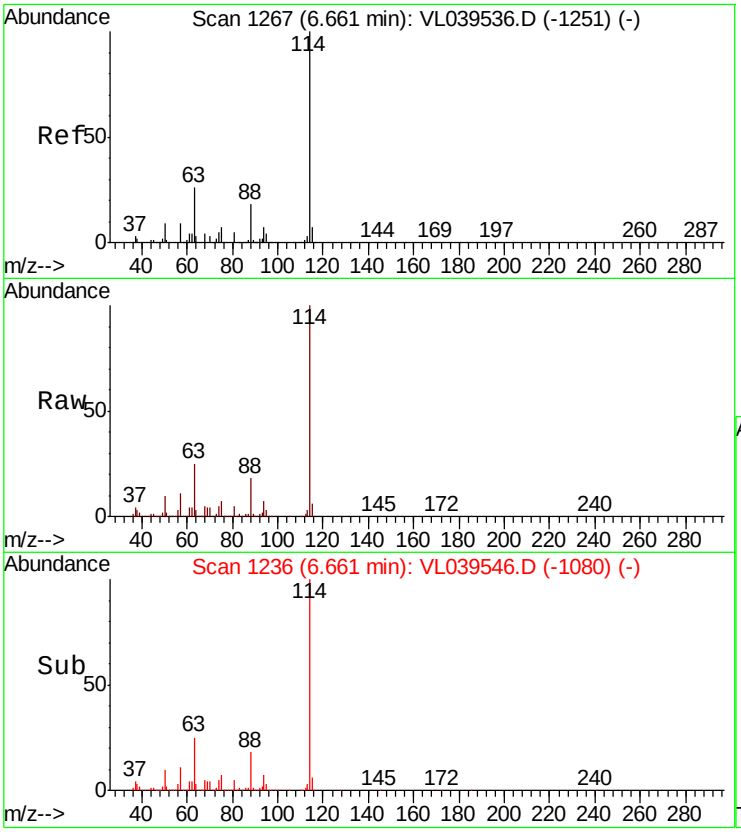


#29
Chloroform
Concen: 7.195 ppbv
RT: 5.28 min Scan# 808
Delta R.T. 0.00 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 83 Resp: 1165300

Ion	Ratio	Lower	Upper
83	100		
85	65.4	49.8	74.8



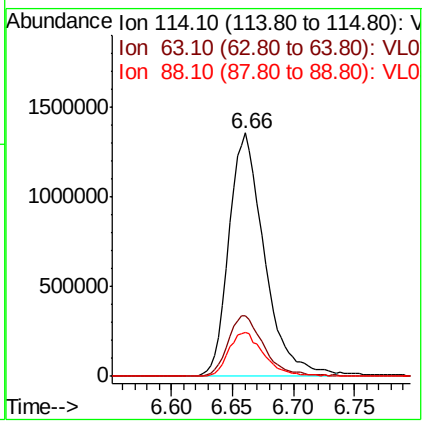


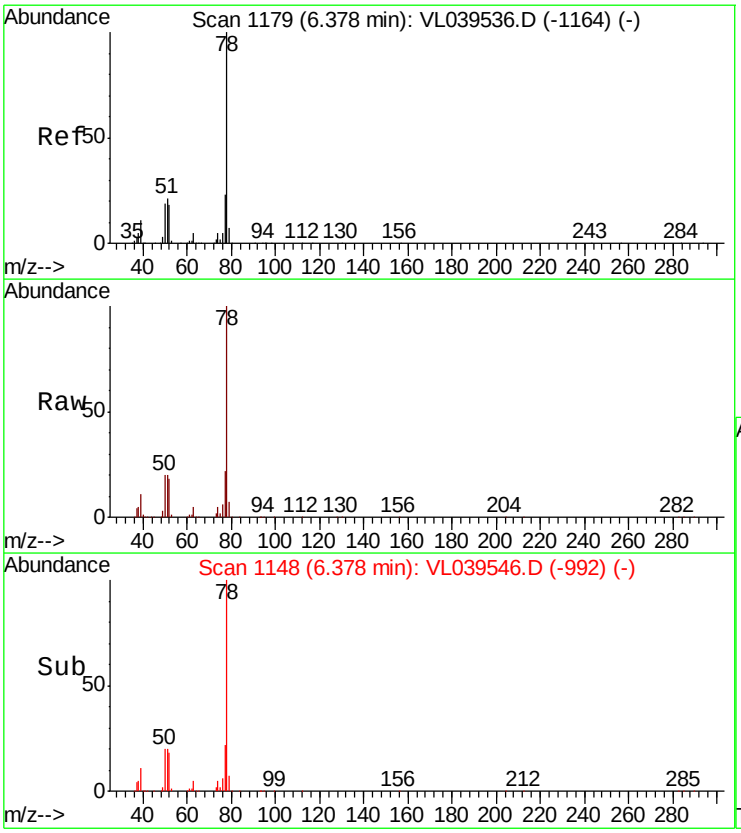
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.66
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion:114 Resp: 2753351

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.6	31.0
88	18.2	14.6	22.0

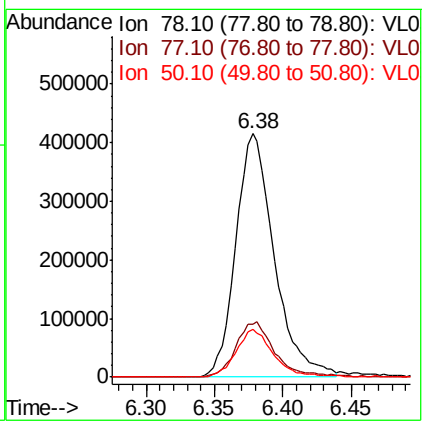


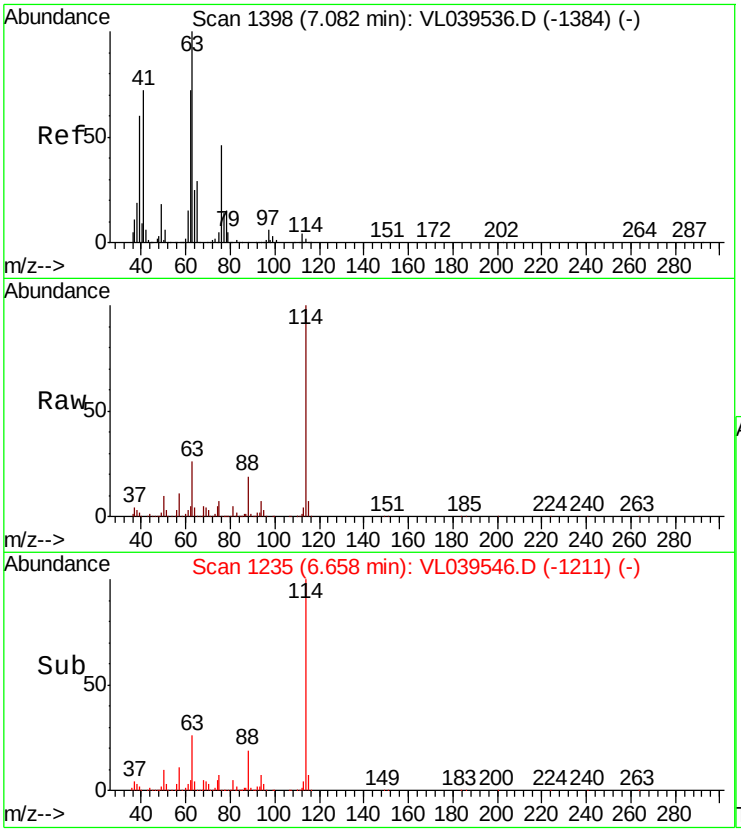


#36
Benzene
Concen: 3.877 ppbv
RT: 6.38 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 78 Resp: 813525

Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.6	27.8
50	19.7	15.0	22.4



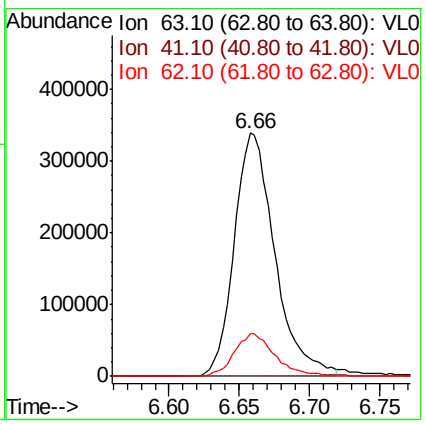


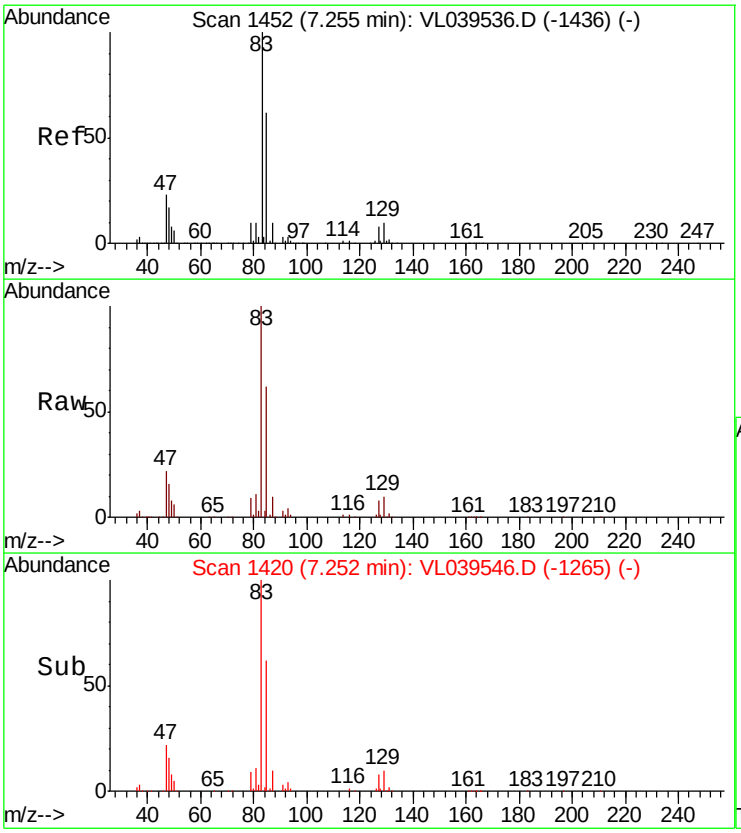
#39
1,2-Dichloropropane
Concen: 8.690 ppbv
RT: 6.66
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion: 63 Resp: 683450

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.0	87.0#
62	17.4	57.8	86.8#

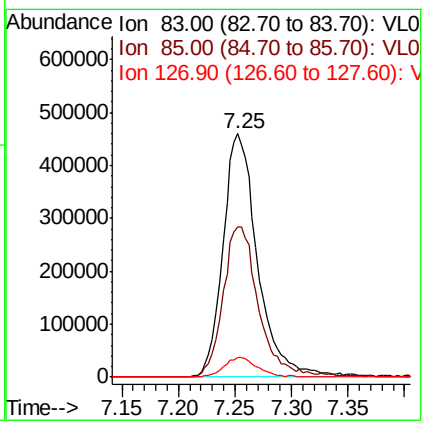


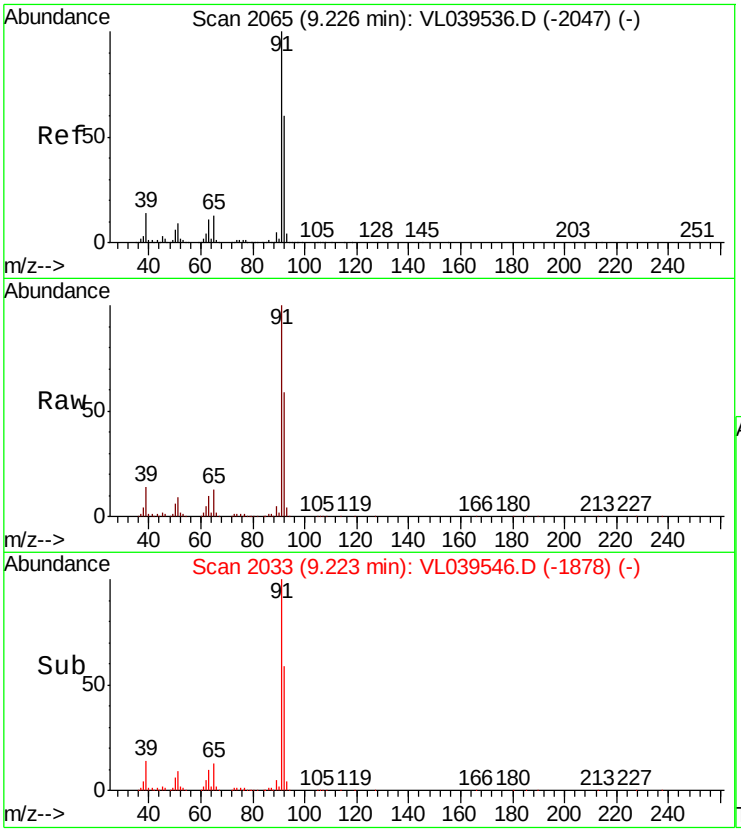


#42
Bromodichloromethane
Concen: 6.134 ppbv
RT: 7.25 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 83 Resp: 977340

Ion	Ratio	Lower	Upper
83	100		
85	61.5	49.9	74.9
127	7.9	6.7	10.1



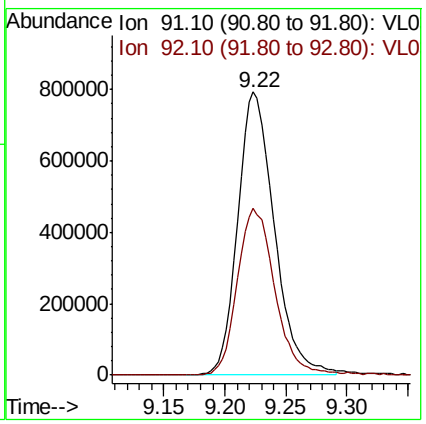


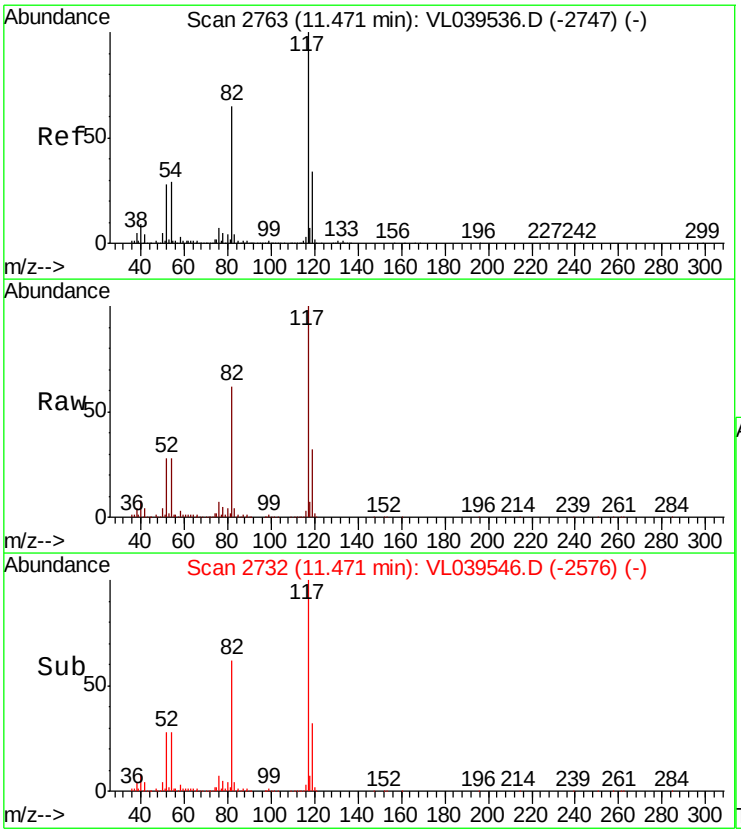
#53
Toluene
Concen: 6.994 ppbv
RT: 9.22
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion: 91 Resp: 1644332

Ion	Ratio	Lower	Upper
91	100		
92	60.8	47.9	71.9

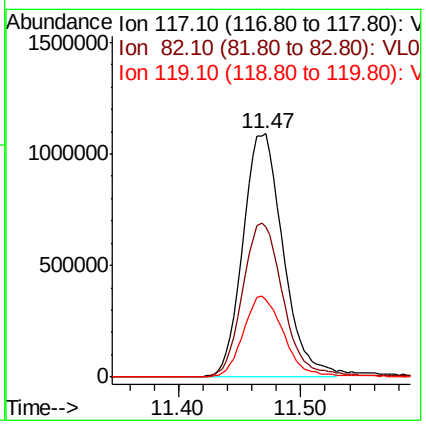


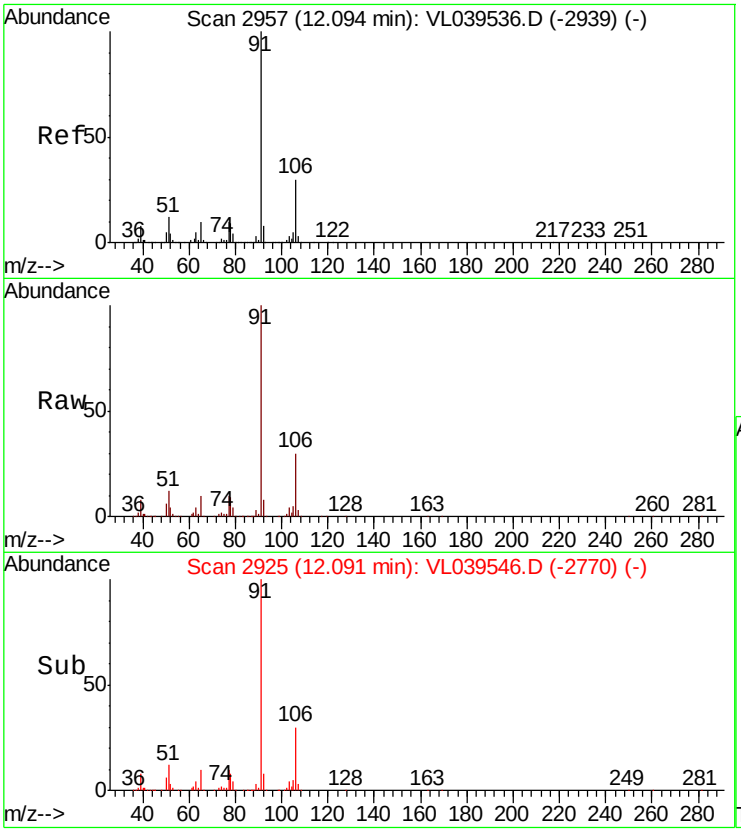


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.47 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion:117 Resp: 2486502

Ion	Ratio	Lower	Upper
117	100		
82	65.2	49.1	73.7
119	34.4	25.9	38.9



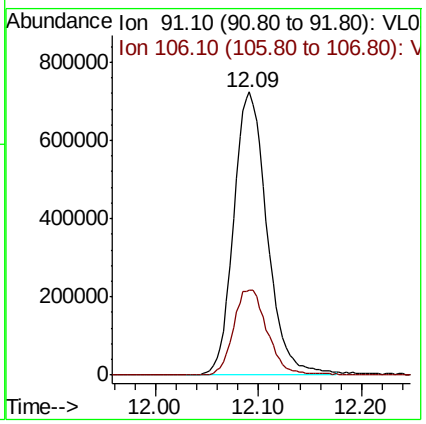


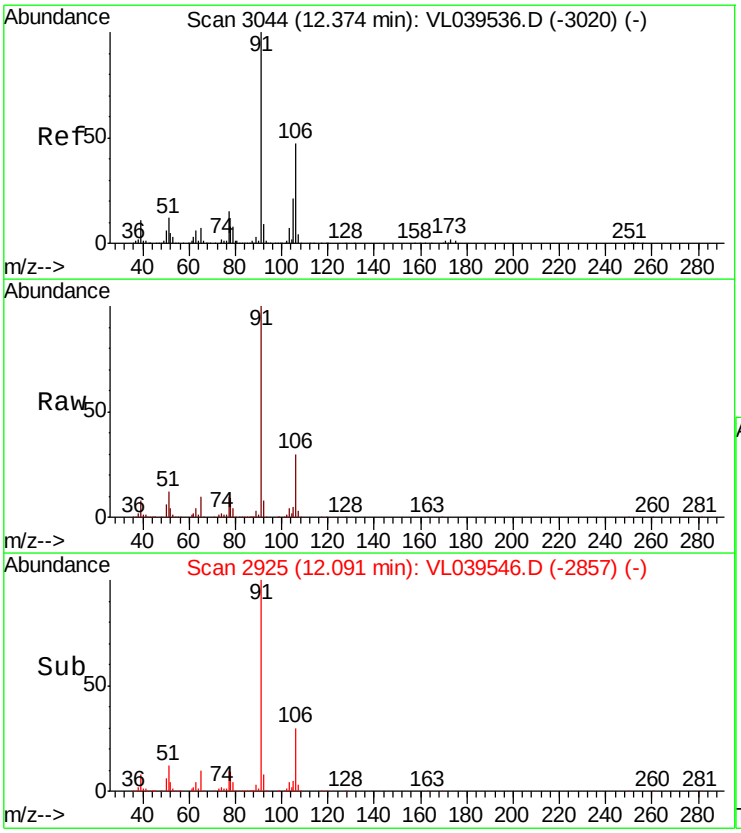
#58
Ethyl Benzene
Concen: 5.686 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion: 91 Resp: 1637250

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.2	36.4

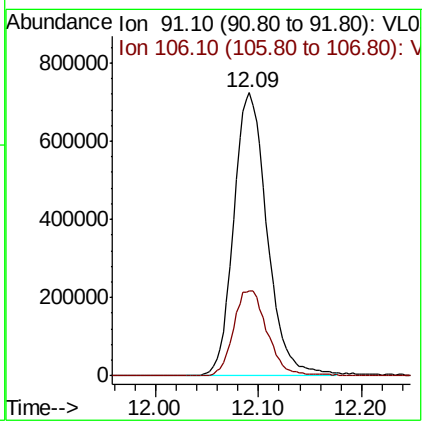


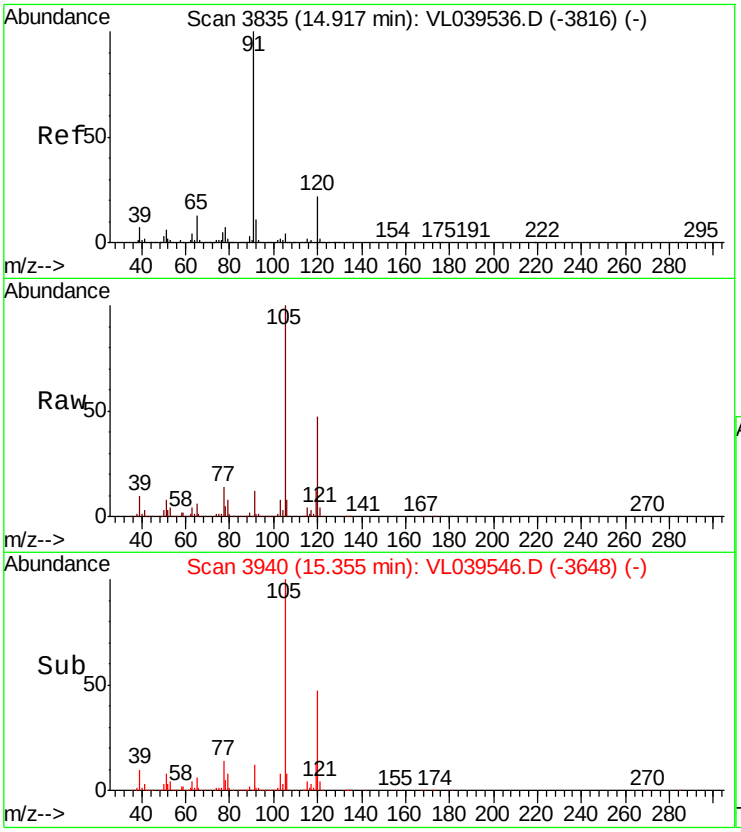


#59
m/p-Xylene
Concen: 6.324 ppbv
RT: 12.09 min Scan# 2925
Delta R.T. -0.28 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 91 Resp: 1637250

Ion	Ratio	Lower	Upper
91	100		
106	30.6	0.0	0.0#



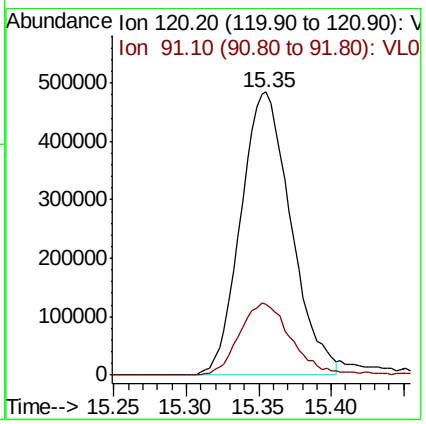


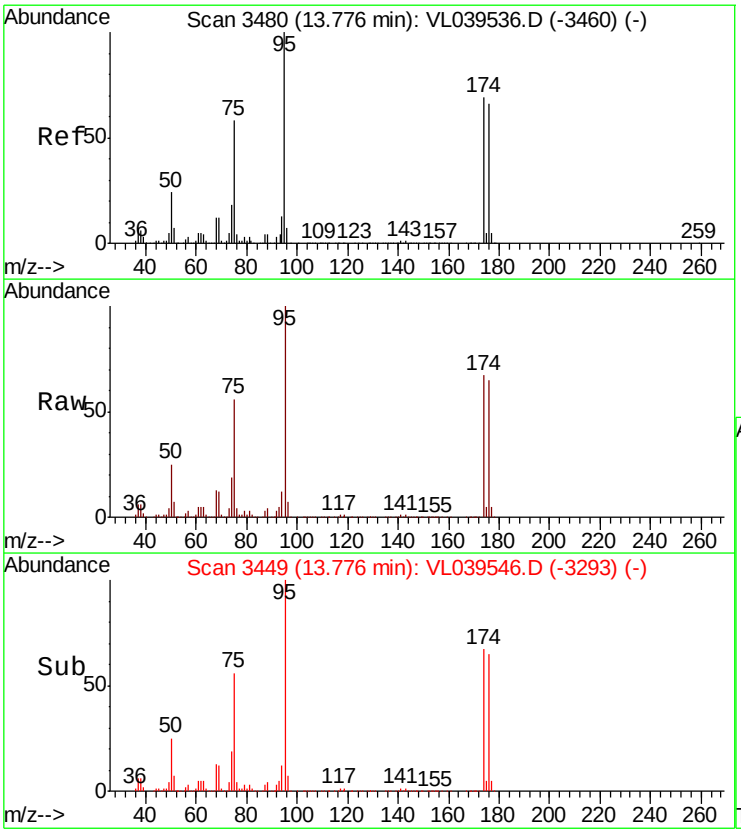
#64
n-propylbenzene
Concen: 11.877 ppbv
RT: 15.35
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion:120 Resp: 1163343

Ion	Ratio	Lower	Upper
120	100		
91	0.0	372.6	559.0#

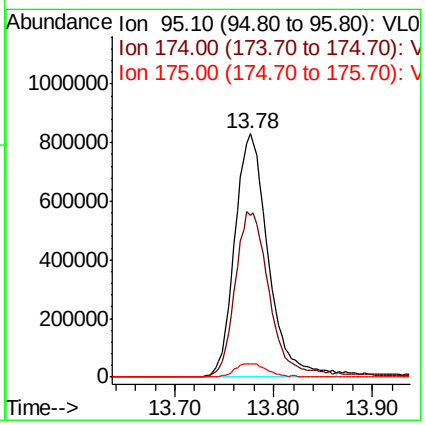


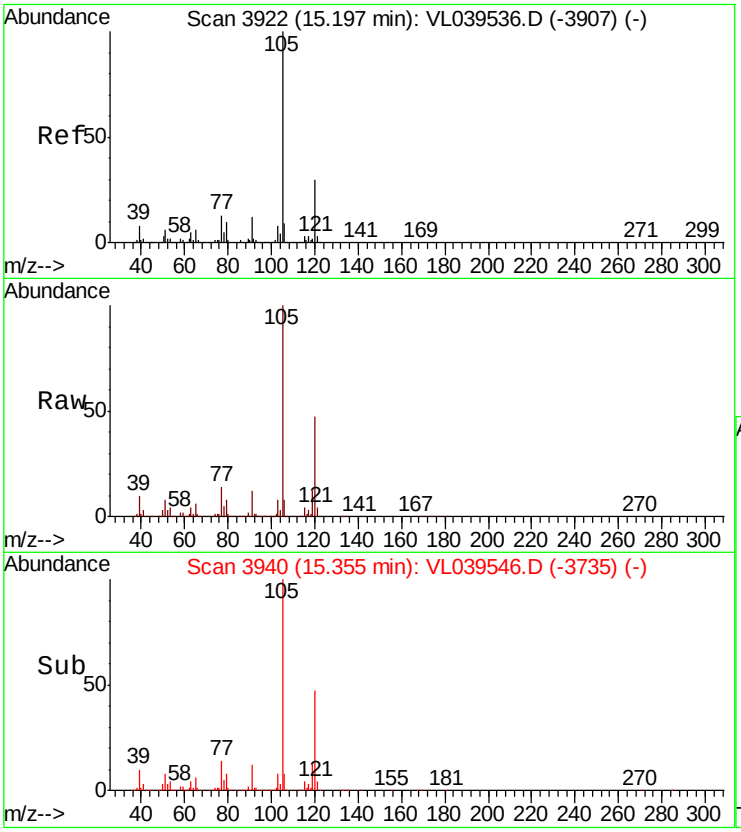


#68
1-Bromo-4-Fluorobenzene
Concen: 10.484 ppbv
RT: 13.78 min Scan# 3449
Delta R.T. 0.00 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 95 Resp: 1962503

Ion	Ratio	Lower	Upper
95	100		
174	72.0	56.3	84.5
175	5.6	4.3	6.5



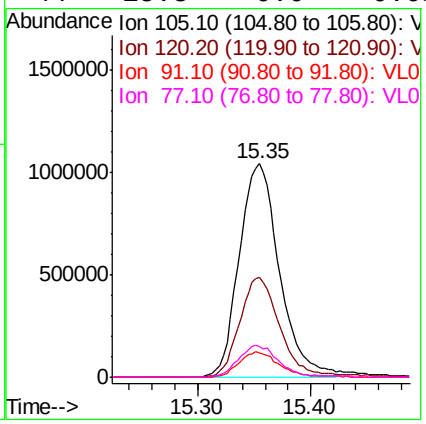


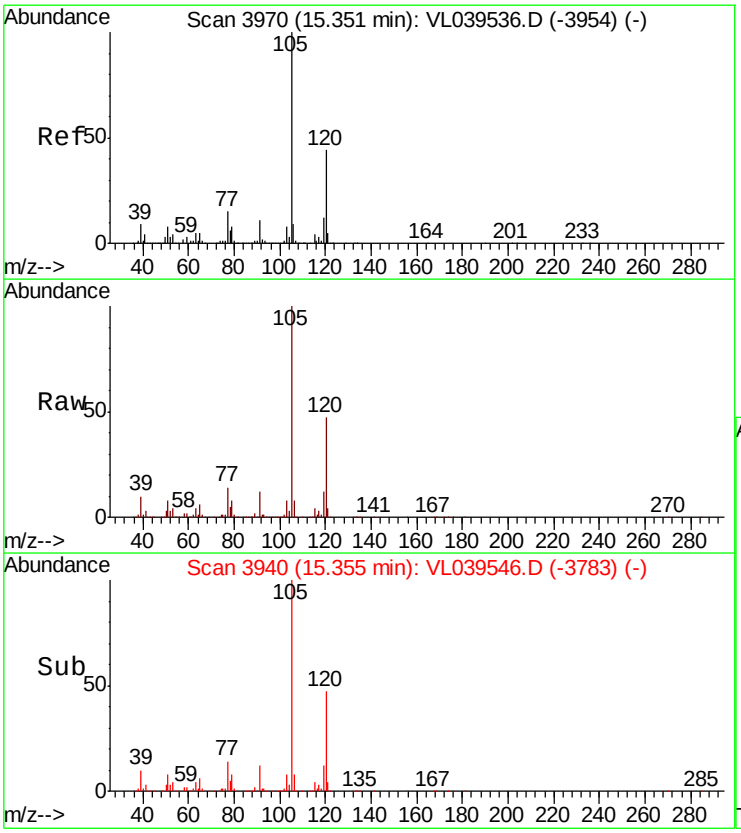
#72
4-Ethyltoluene
Concen: 8.814 ppbv
RT: 15.35
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion:105 Resp: 2570264

Ion	Ratio	Lower	Upper
105	100		
120	47.5	0.0	0.0#
91	12.2	0.0	0.0#
77	15.3	0.0	0.0#

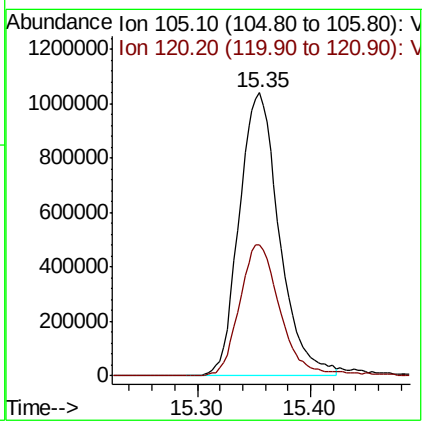


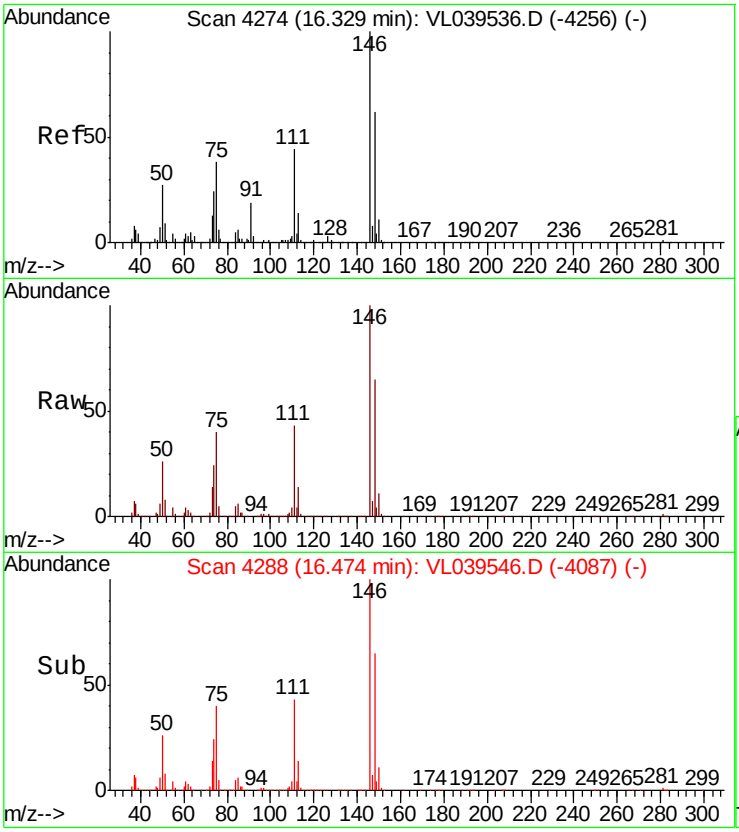


#73
1,3,5-Trimethylbenzene
Concen: 9.651 ppbv
RT: 15.35 min Scan# 3940
Delta R.T. 0.00 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion:105 Resp: 2570264

Ion	Ratio	Lower	Upper
105	100		
120	46.5	35.4	53.2



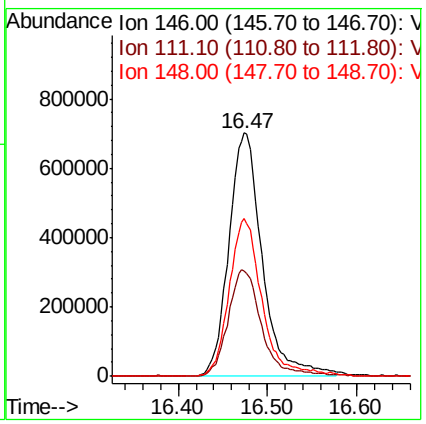


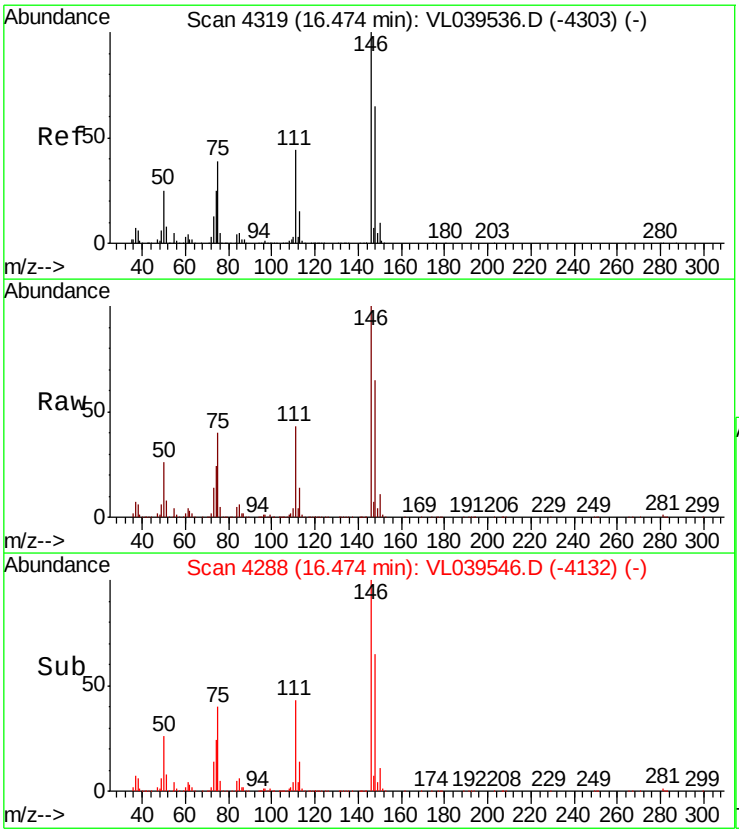
#75
1,3-Dichlorobenzene
Concen: 10.114 ppbv
RT: 16.47
Delta R.T
Lab File:
Acq: 17 Aug 2022 12:45

Instrument :
MSVOA_L
ClientSampleId :
E061-1100DL

Tgt Ion:146 Resp: 1824501

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.9	68.5
148	64.1	32.4	97.0





#76
1,4-Dichlorobenzene
Concen: 10.099 ppbv
RT: 16.47 min Scan# 4288
Delta R.T. 0.00 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion:146 Resp: 1824501

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.3	66.8
148	64.1	31.5	94.5