Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
Data File : VL039465.D
Acq On : 13 Jul 2022 2:41
Operator : SY/AP
Sample : N3660-06DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-9DL

Quant Time: Jul 13 05:56:57 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1372985	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.19	114	3837066	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.10	117	3481932	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2642314	10.23	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	32520	0.16	ppbv	#	85
3) Chlorodifluoromethane	2.98	51	58974	0.34	ppbv	#	64
4) Chloromethane	3.16	50	5290	0.06	ppbv		94
9) Propene	3.03	41	12463	0.16	ppbv		91
10) Heptane	8.14	43	39940	0.22	ppbv		95
13) Ethanol	3.61	45	720933	157.96	ppbv		74
15) Acetone	3.86	43	327239	2.01	ppbv		95
17) tert-Butyl alcohol	4.31	59	5014	0.04	ppbv	#	71
19) Isopropyl Alcohol	3.97	45	1955233	22.57	ppbv	#	92
20) Methylene Chloride	4.36	84	292129	4.51	ppbv		97
21) Allyl Chloride	4.36	41	5942	0.05	ppbv	#	1
23) Vinyl Acetate	5.09	43	65894	0.61	ppbv	#	93
25) Ethyl Acetate	5.68	43	5519811	16.57	ppbv	#	92
26) Hexane	5.70	57	430316	3.21	ppbv	#	1
30) Cyclohexane	7.15	84	4840	0.04	ppbv	#	1
31) cis-1,2-Dichloroethene	5.68	61	685124	4.81	ppbv	#	23
34) 2-Butanone	5.09	43	65303	0.34	ppbv	#	65
36) Benzene	6.90	78	64183	0.22	ppbv	#	88
39) 1,2-Dichloropropane	7.19	63	925581	8.34	ppbv	#	24
41) Tetrahydrofuran	5.68	42	525456	4.69	ppbv	#	44
52) Tetrachloroethene	11.24	164	40314	0.34	ppbv		87
53) Toluene	9.82	91	232450	0.68	ppbv		98
58) Ethyl Benzene	12.72	91	134088	0.30	ppbv		94
59) m/p-Xylene	12.98	91	716722	1.81	ppbv		97
60) o-Xylene	13.70	91	360010	0.96	ppbv		97
65) tert-Butylbenzene	16.77	119	27262	0.05	ppbv	#	54
72) 4-Ethyltoluene	15.84	105	45891	0.10	ppbv	#	87
73) 1,3,5-Trimethylbenzene	16.01	105	80221	0.20	ppbv	#	84
74) 1,2,4-Trimethylbenzene	16.77	105	252739	0.56	ppbv	#	73

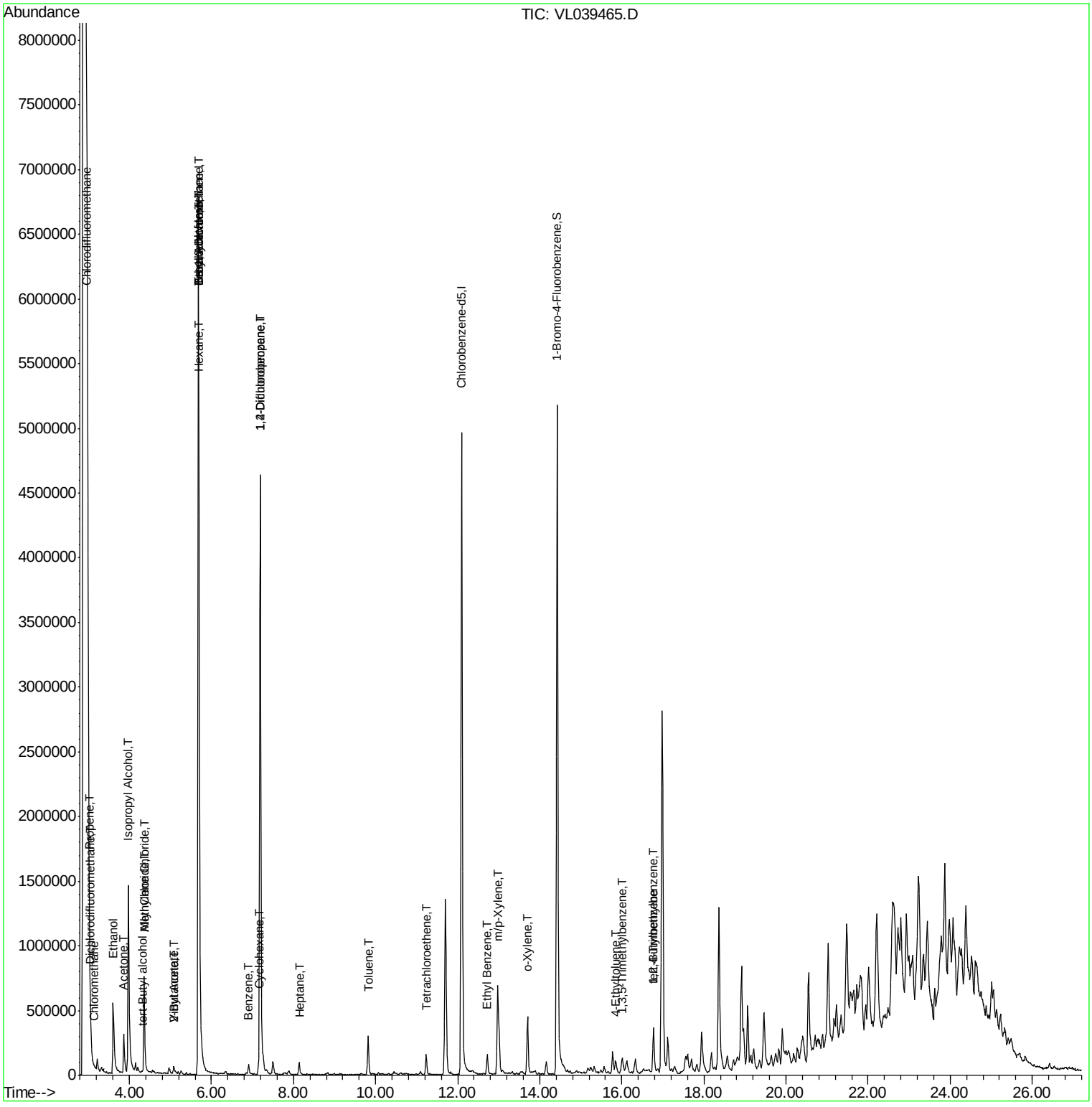
(#) = qualifier out of range (m) = manual integration (+) = signals summed

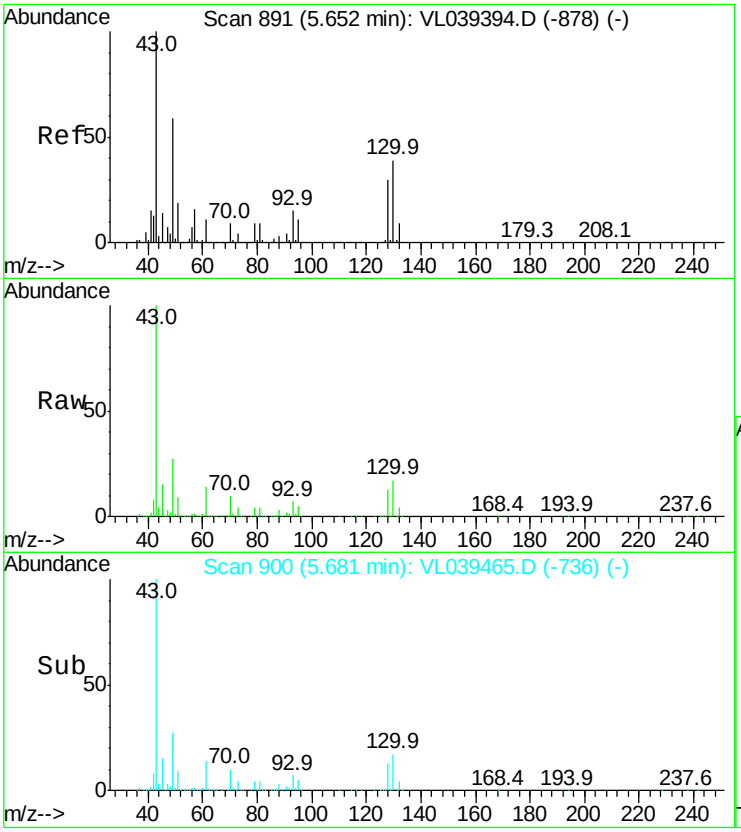
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
Data File : VL039465.D
Acq On : 13 Jul 2022 2:41
Operator : SY/AP
Sample : N3660-06DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Quant Time: Jul 13 05:56:57 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration



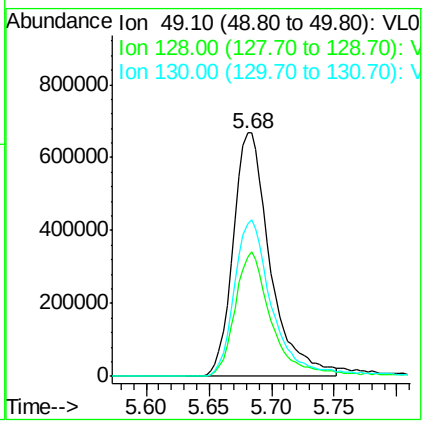


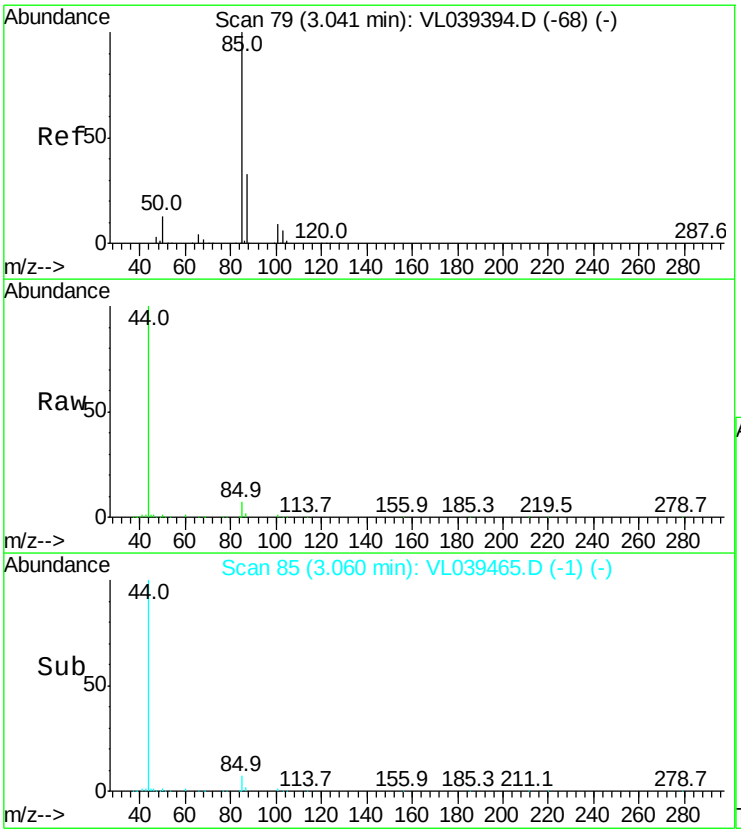
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 49 Resp: 1372985

Ion	Ratio	Lower	Upper
49	100		
128	51.9	26.7	80.0
130	66.4	34.3	102.8

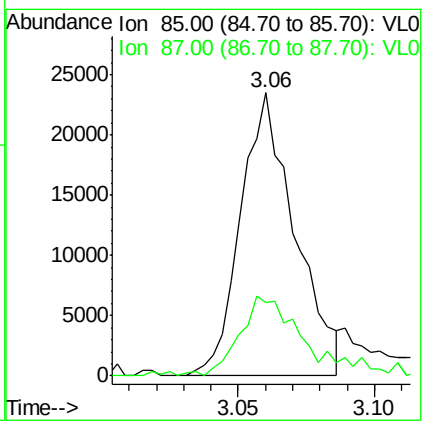


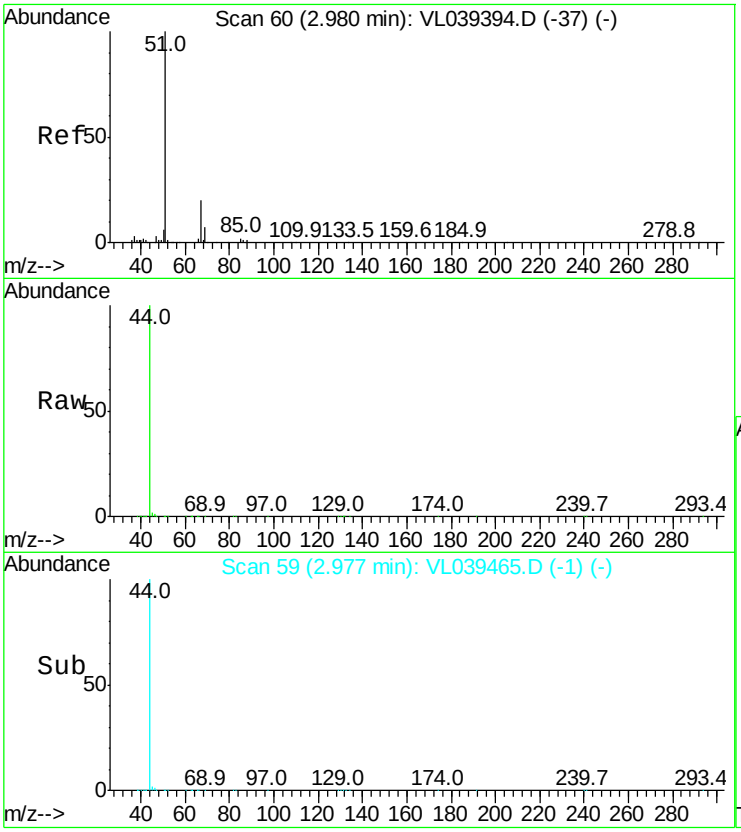


#2
Dichlorodifluoromethane
Concen: 0.16 ppbv
RT: 3.06 min Scan# 85
Delta R.T. 0.02 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 85 Resp: 32520

Ion	Ratio	Lower	Upper
85	100		
87	25.0	26.7	40.1#



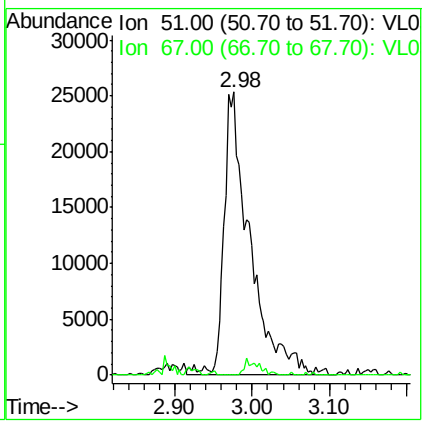


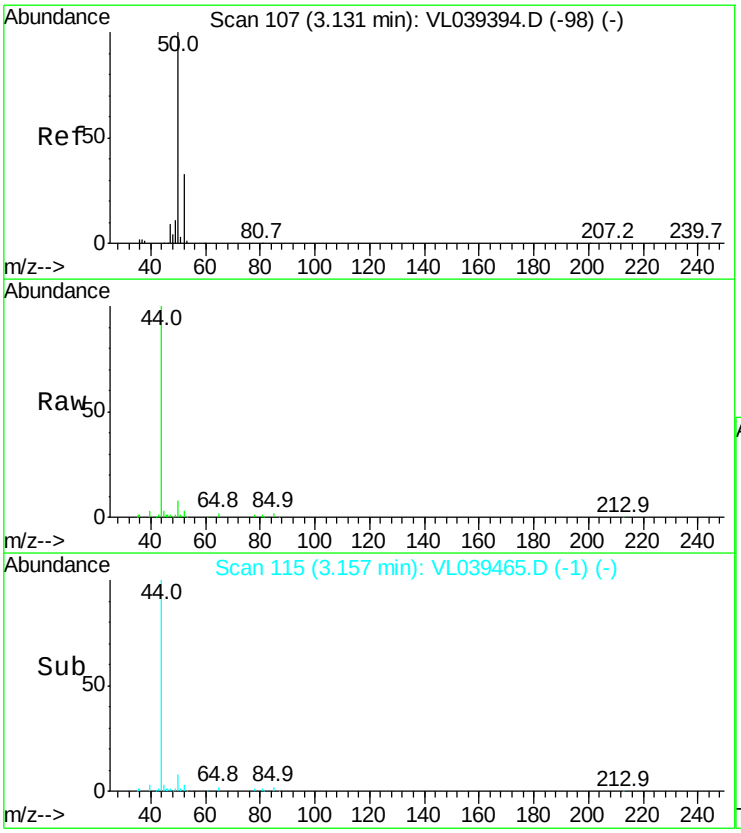
#3
Chlorodifluoromethane
Concen: 0.34 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 51 Resp: 58974

Ion	Ratio	Lower	Upper
51	100		
67	3.0	15.7	23.5#

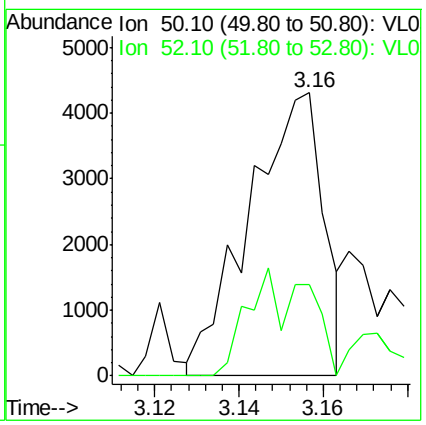


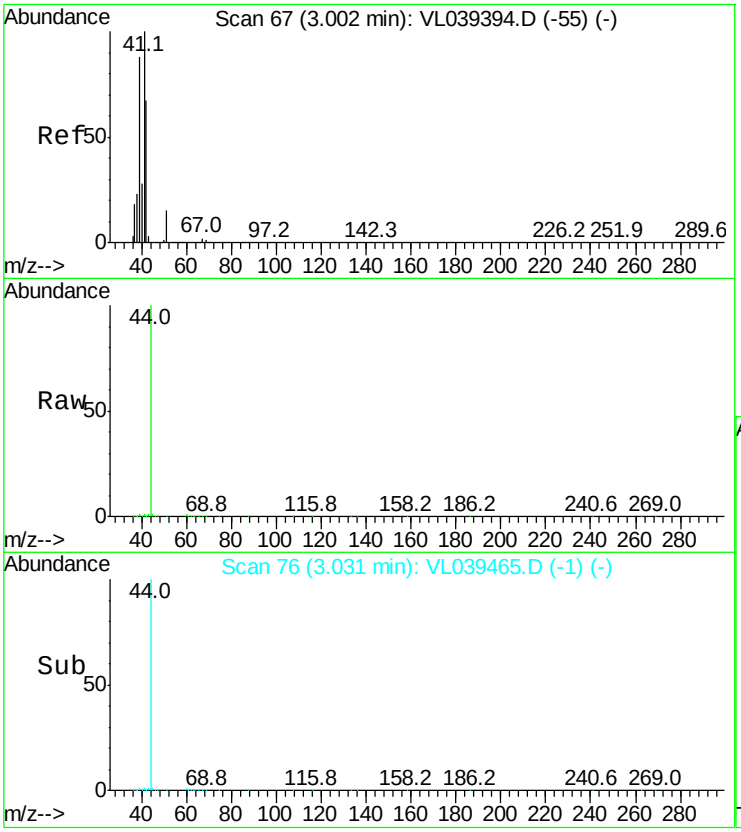


#4
Chloromethane
Concen: 0.06 ppbv
RT: 3.16 min Scan# 115
Delta R.T. 0.03 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 50 Resp: 5290

Ion	Ratio	Lower	Upper
50	100		
52	29.8	26.5	39.7



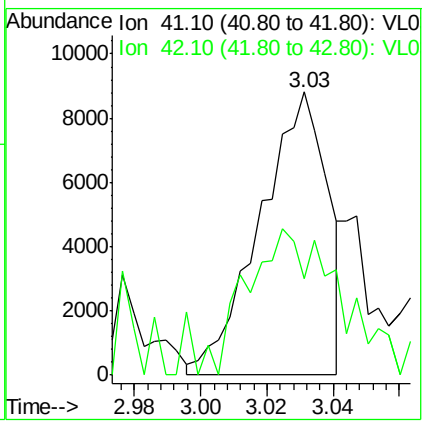


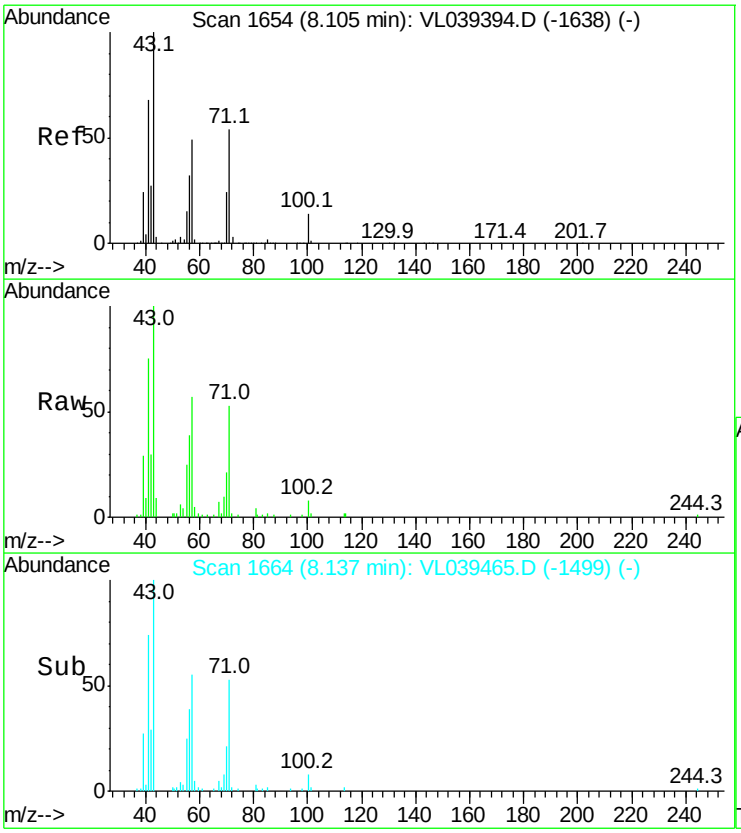
#9
Propene
Concen: 0.16 ppbv
RT: 3.03
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 41 Resp: 12463

Ion	Ratio	Lower	Upper
41	100		
42	76.5	55.2	82.8

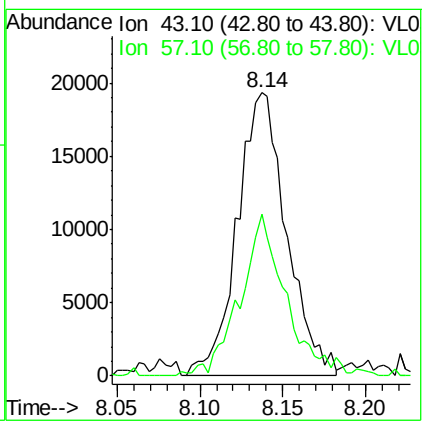


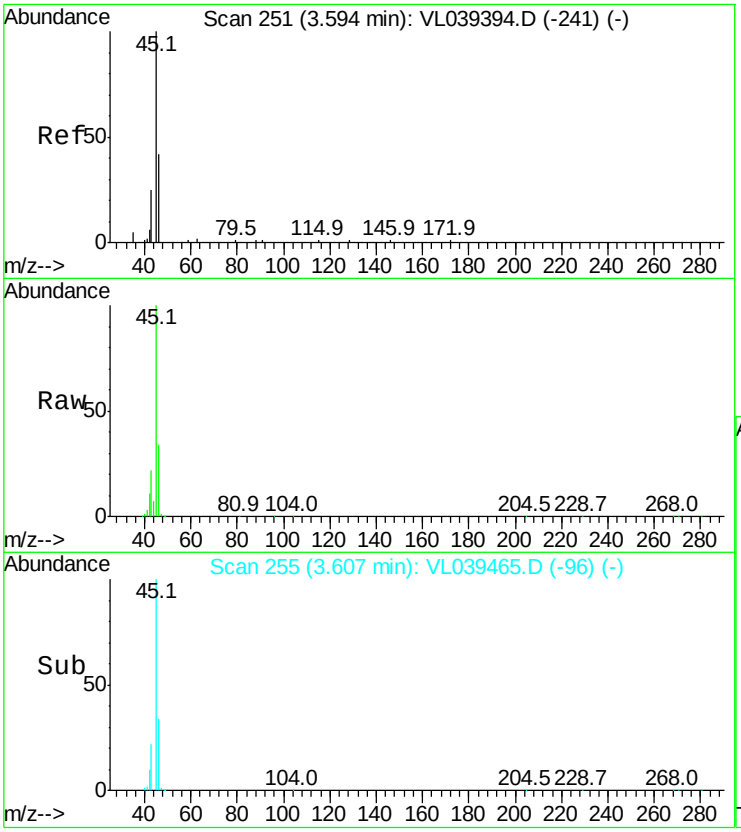


#10
Heptane
Concen: 0.22 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.03 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 43 Resp: 39940

Ion	Ratio	Lower	Upper
43	100		
57	53.8	40.5	60.7



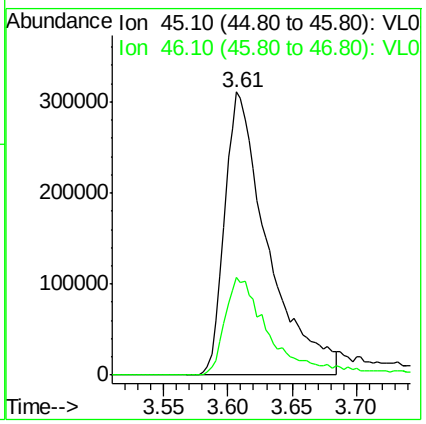


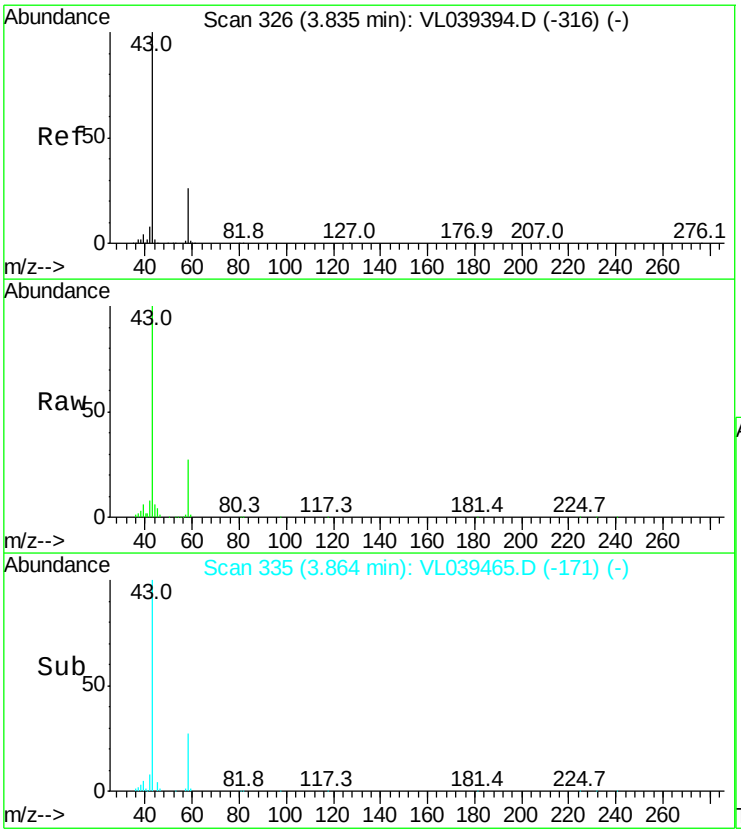
#13
Ethanol
Concen: 157.96 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 45 Resp: 720933

Ion	Ratio	Lower	Upper
45	100		
46	37.9	22.8	91.2

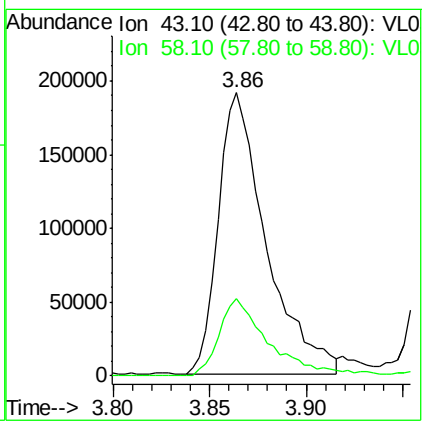


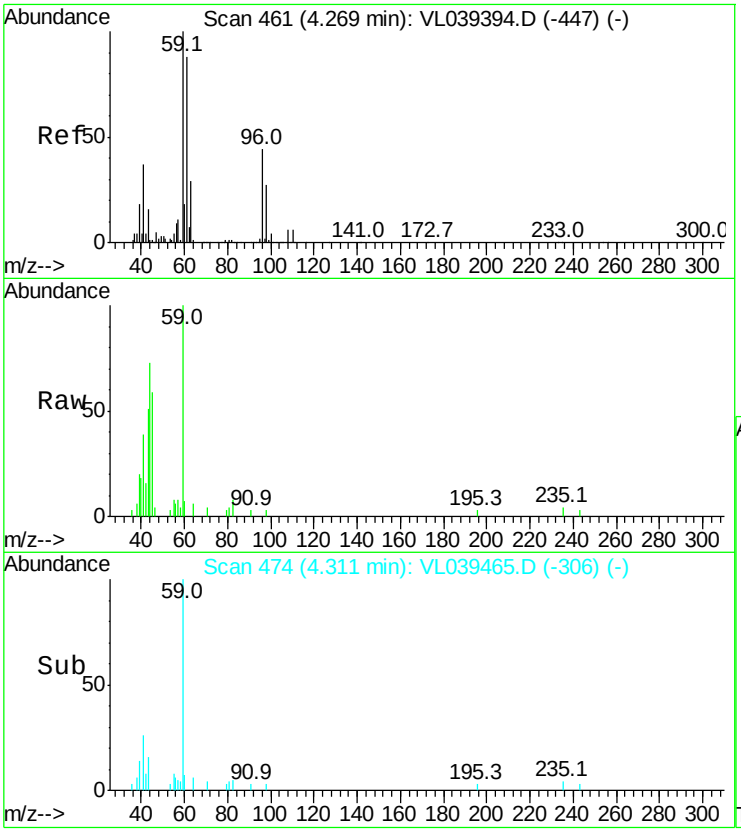


#15
Acetone
Concen: 2.01 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.03 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 43 Resp: 327239

Ion	Ratio	Lower	Upper
43	100		
58	29.0	21.0	31.6



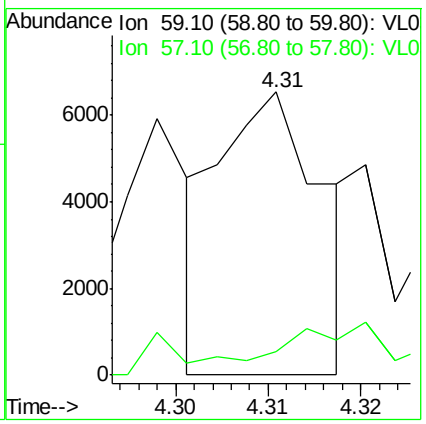


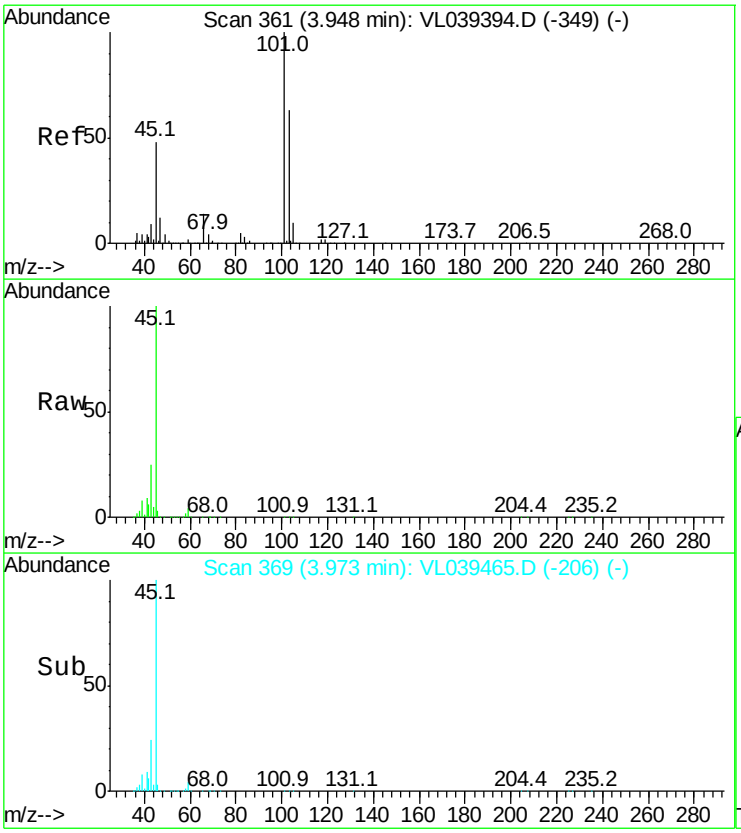
#17
tert-Butyl alcohol
Concen: 0.04 ppbv
RT: 4.31
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 59 Resp: 5014

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

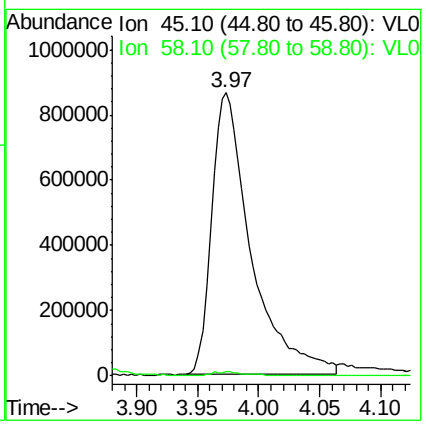


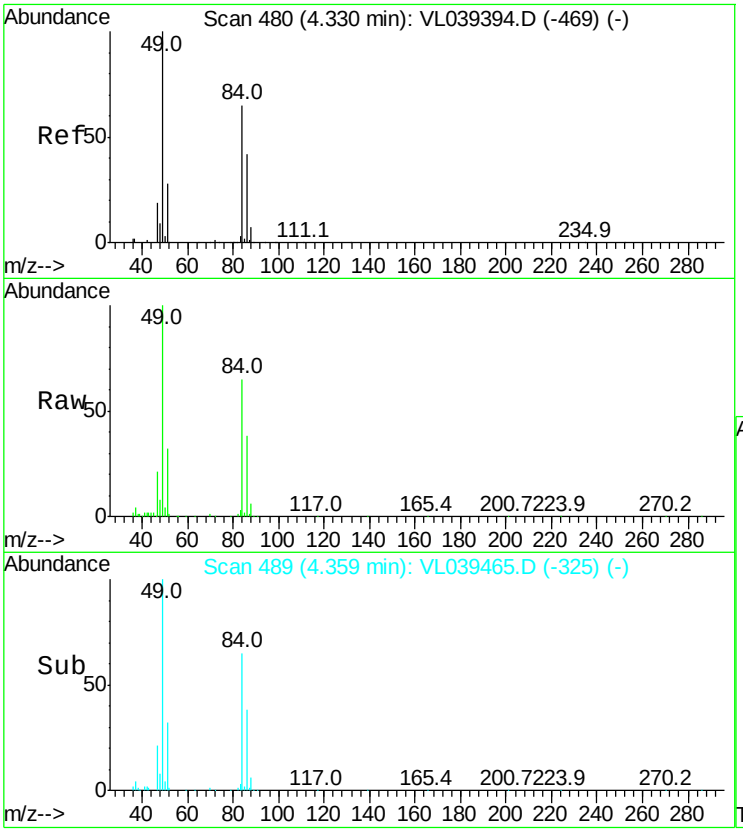


#19
Isopropyl Alcohol
Concen: 22.57 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.03 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 45 Resp: 1955233

Ion	Ratio	Lower	Upper
45	100		
58	1.3	3.2	4.8#



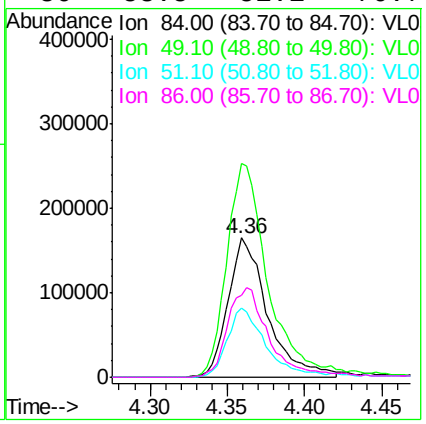


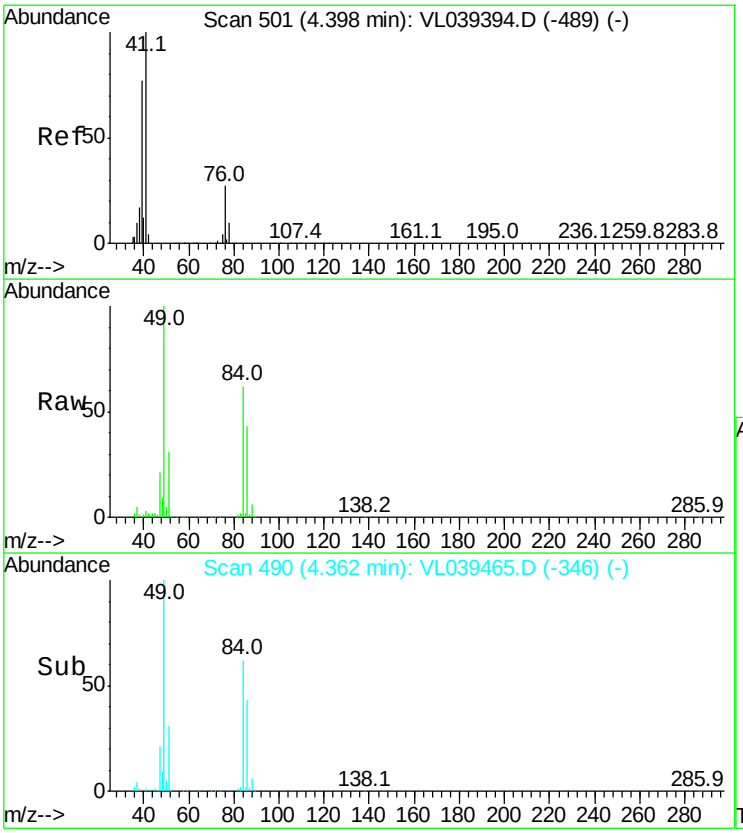
#20
Methylene Chloride
Concen: 4.51 ppbv
RT: 4.36
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 84 Resp: 292129

Ion	Ratio	Lower	Upper
84	100		
49	153.6	123.1	184.7
51	49.2	34.4	51.6
86	58.5	51.1	76.7

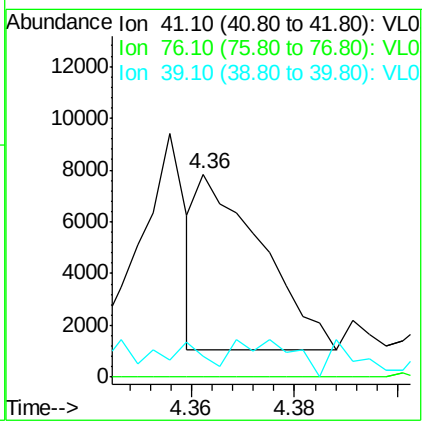


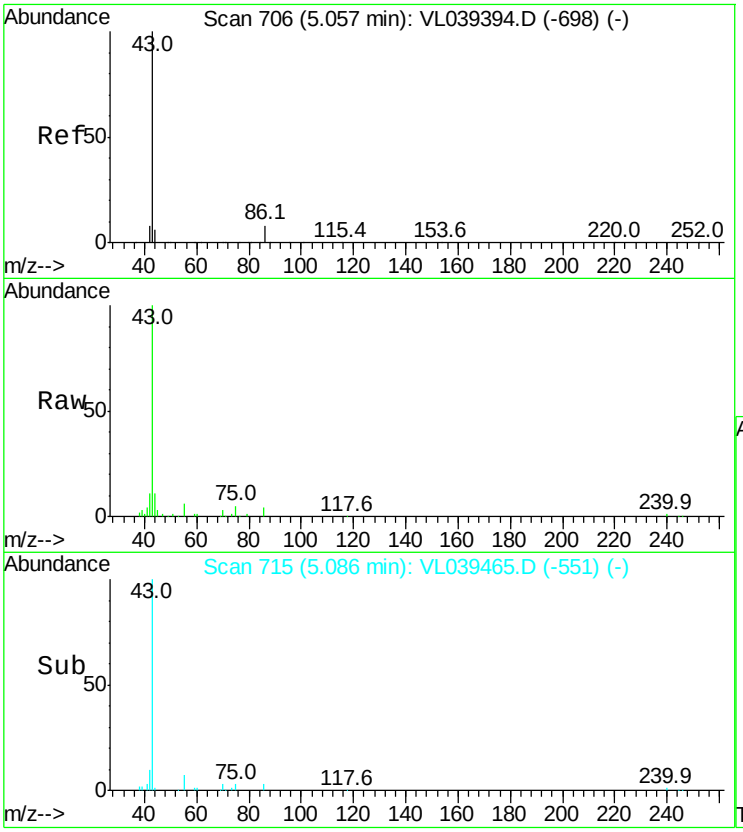


#21
Allyl Chloride
Concen: 0.05 ppbv
RT: 4.36 min Scan# 490
Delta R.T. -0.04 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 41 Resp: 5942

Ion	Ratio	Lower	Upper
41	100		
76	103.9	24.4	36.6#
39	0.0	63.5	95.3#



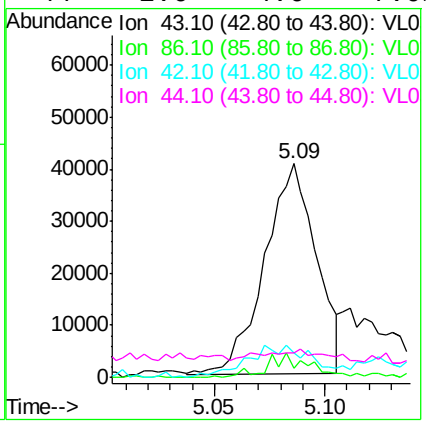


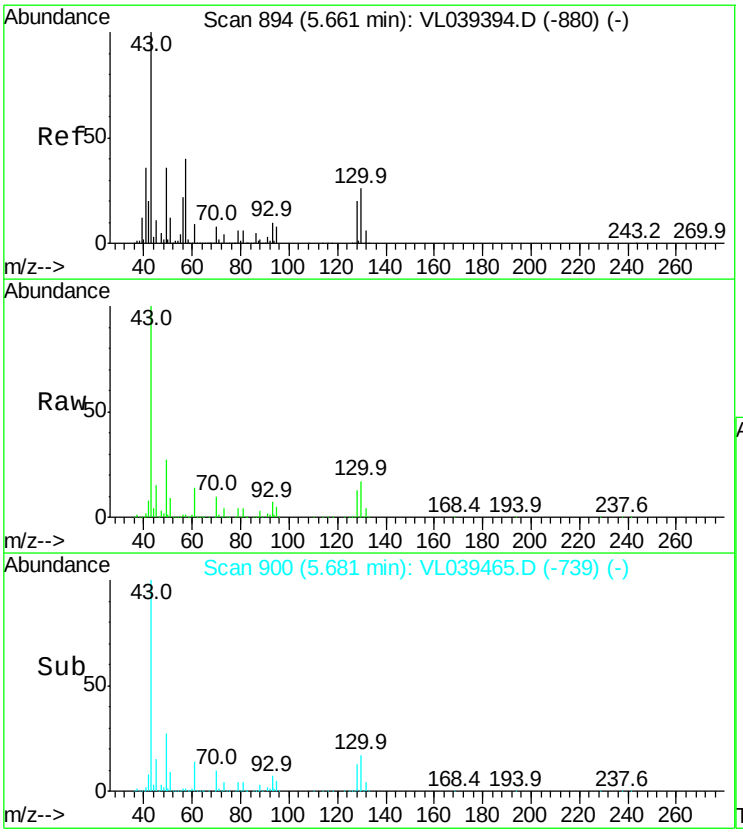
#23
Vinyl Acetate
Concen: 0.61 ppbv
RT: 5.09
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 43 Resp: 65894

Ion	Ratio	Lower	Upper
43	100		
86	4.2	5.0	7.6#
42	11.5	7.7	11.5
44	2.6	4.6	7.0#

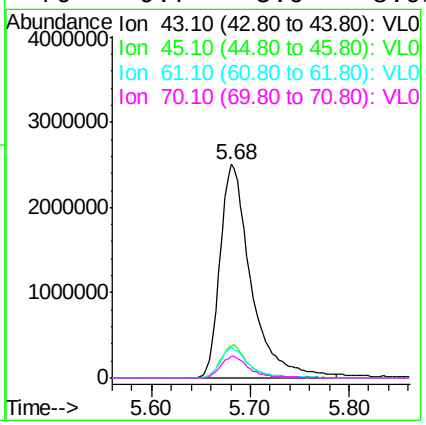


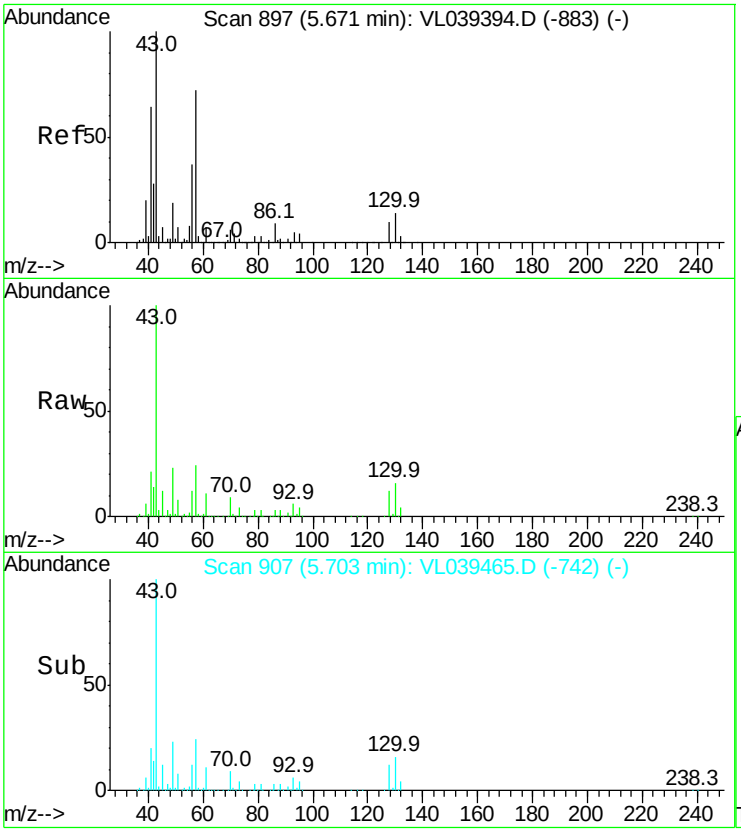


#25
Ethyl Acetate
Concen: 16.57 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 43 Resp: 5519811

Ion	Ratio	Lower	Upper
43	100		
45	14.2	8.2	12.4#
61	13.1	8.3	12.5#
70	9.7	5.9	8.9#



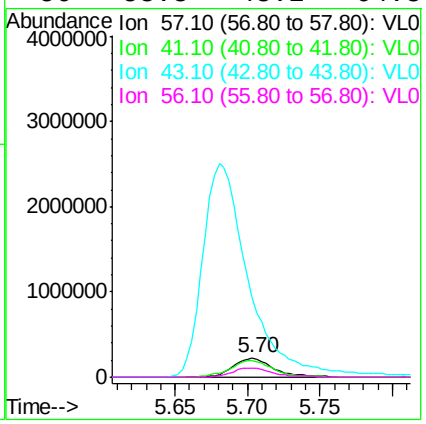


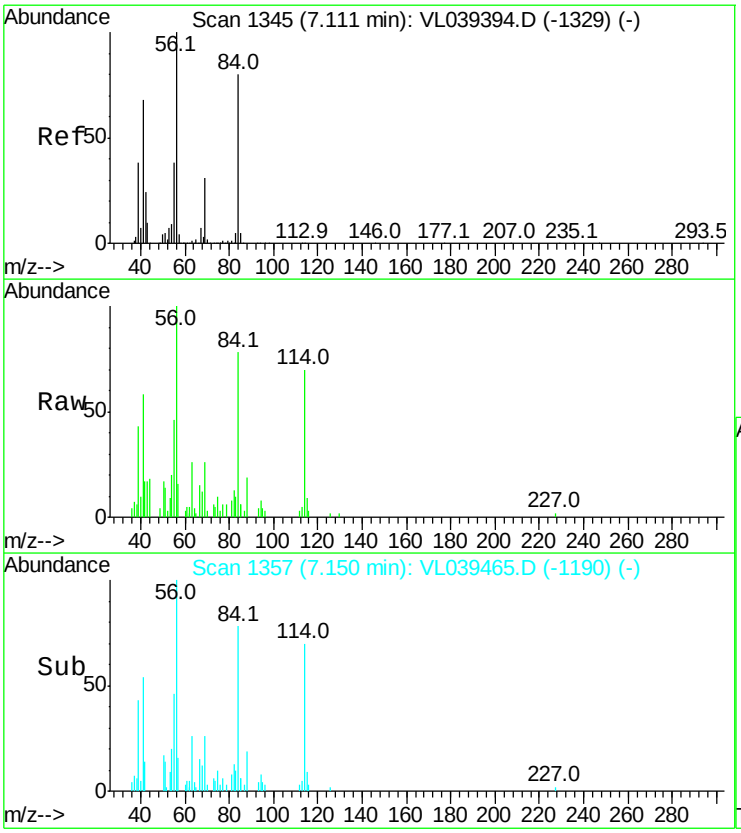
#26
Hexane
Concen: 3.21 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 57 Resp: 430316

Ion	Ratio	Lower	Upper
57	100		
41	98.7	76.9	115.3
43	1314.7	191.0	286.6#
56	53.3	43.2	64.8

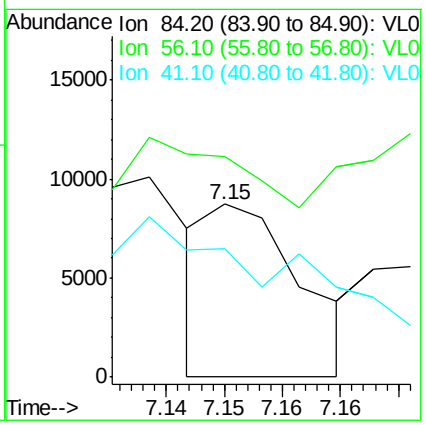


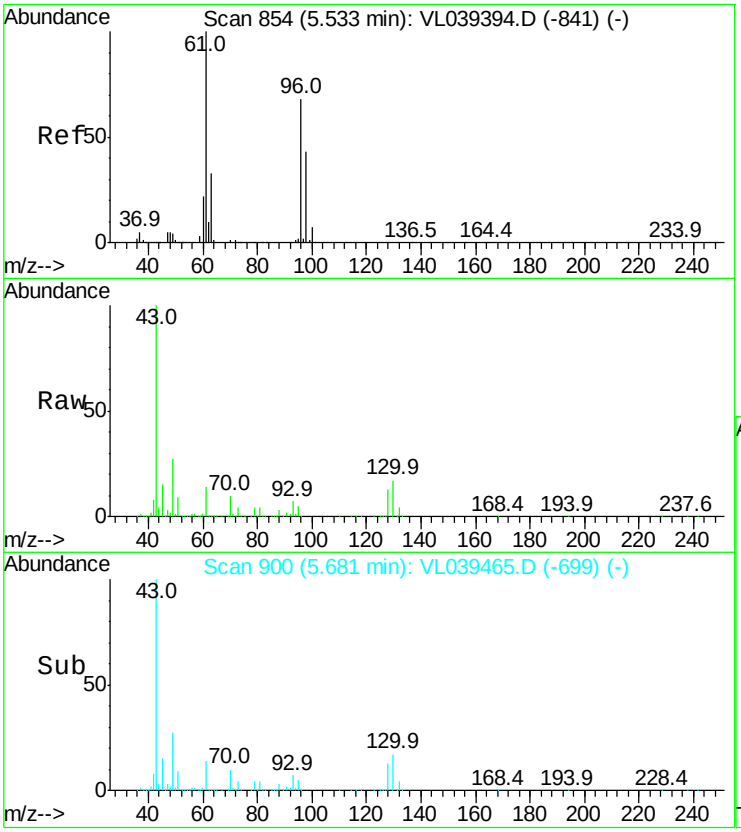


#30
Cyclohexane
Concen: 0.04 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.04 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 84 Resp: 4840

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	0.0	67.7	101.5#



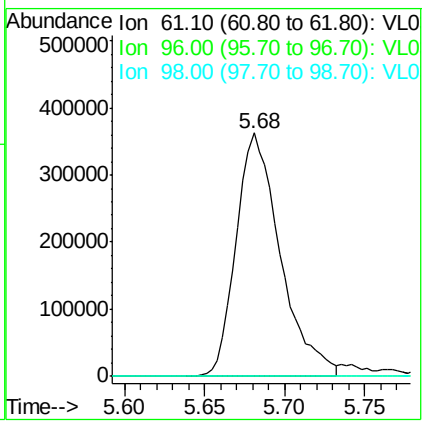


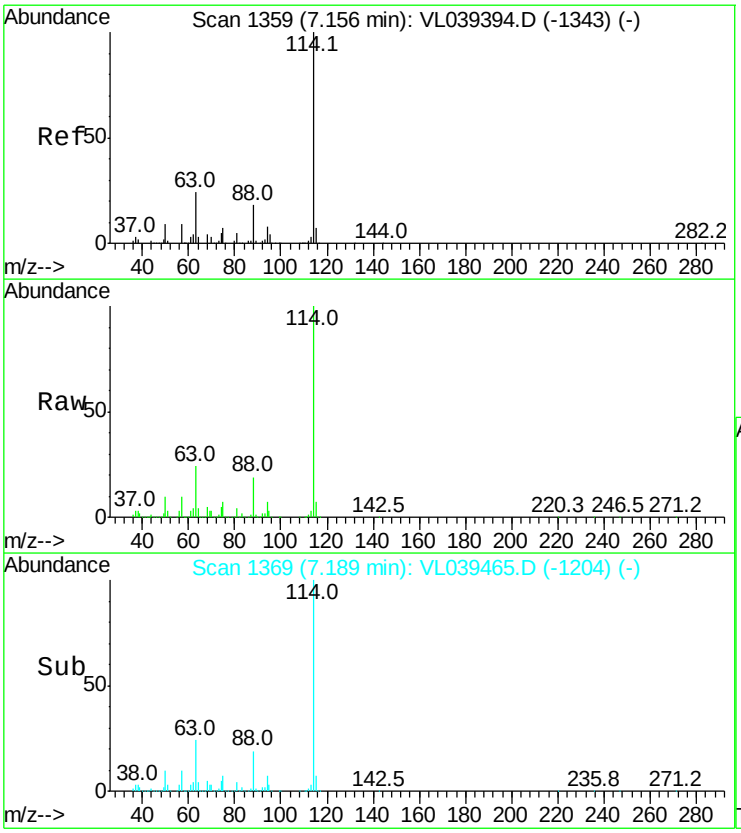
#31
cis-1,2-Dichloroethene
Concen: 4.81 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 61 Resp: 685124

Ion	Ratio	Lower	Upper
61	100		
96	0.4	54.1	81.1#
98	0.0	34.6	52.0#

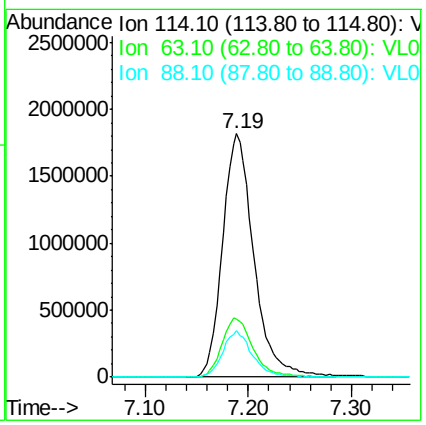


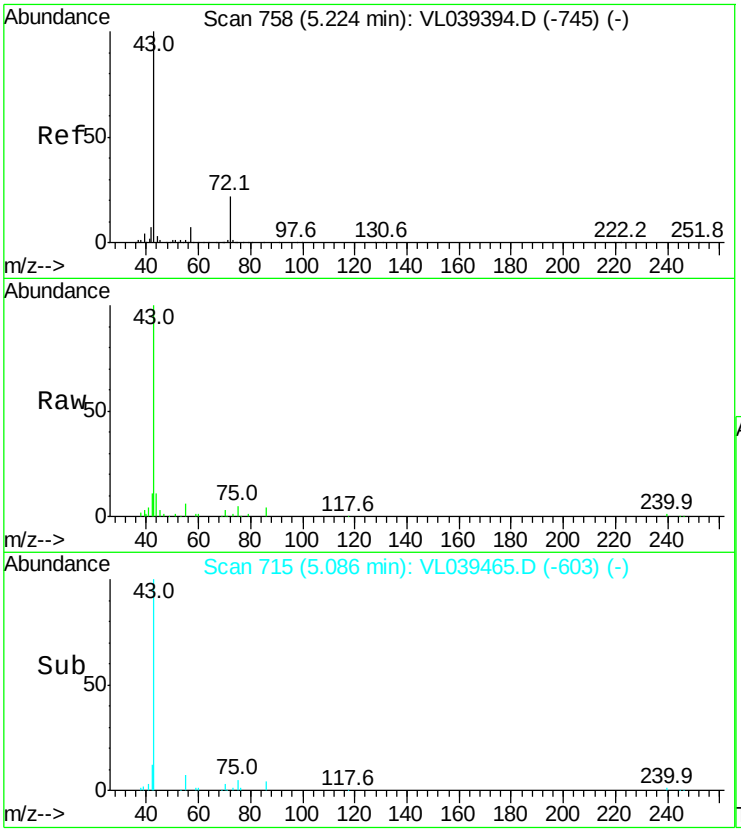


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.03 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion:114 Resp: 3837066

Ion	Ratio	Lower	Upper
114	100		
63	24.4	20.2	30.4
88	18.3	14.5	21.7



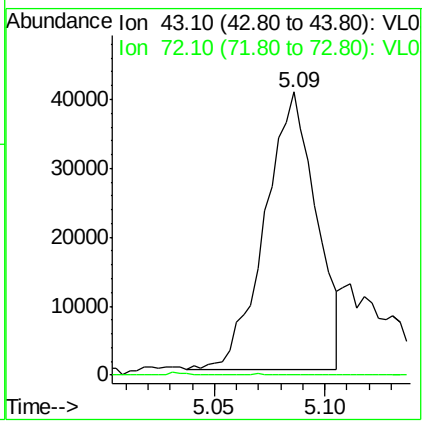


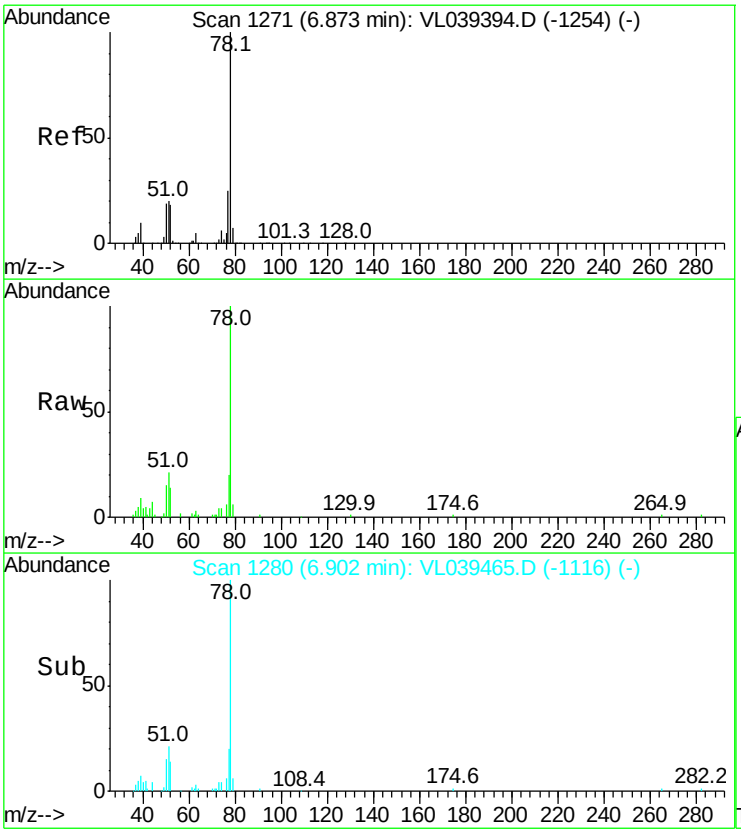
#34
2-Butanone
Concen: 0.34 ppbv
RT: 5.09
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 43 Resp: 65303

Ion	Ratio	Lower	Upper
43	100		
72	5.6	17.9	26.9#

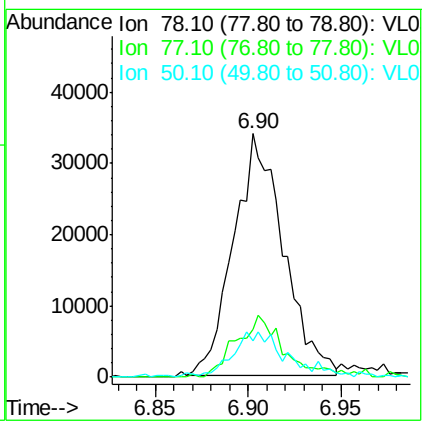


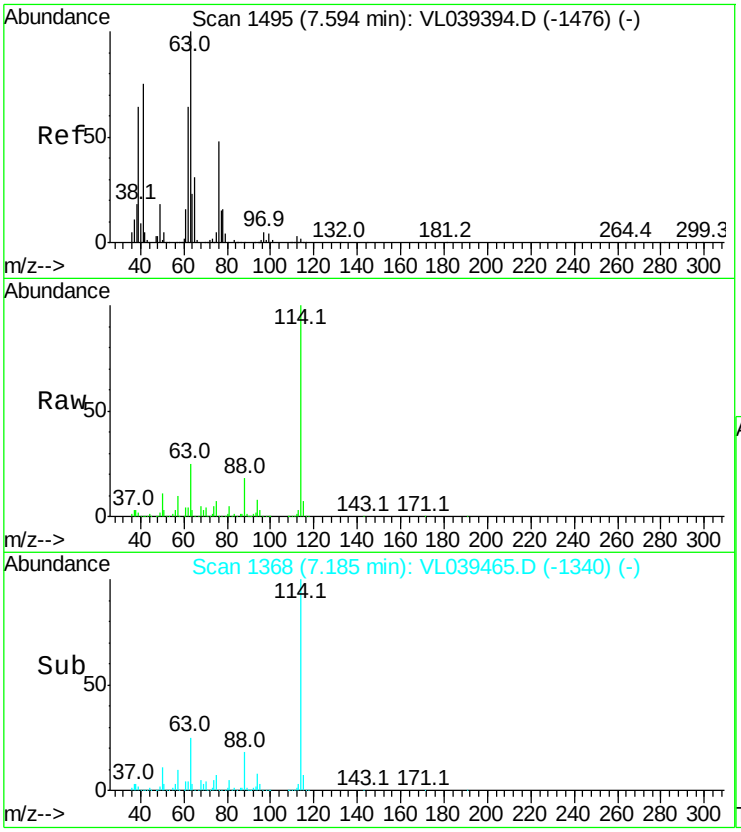


#36
Benzene
Concen: 0.22 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.03 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 78 Resp: 64183

Ion	Ratio	Lower	Upper
78	100		
77	20.0	20.3	30.5#
50	13.3	15.5	23.3#



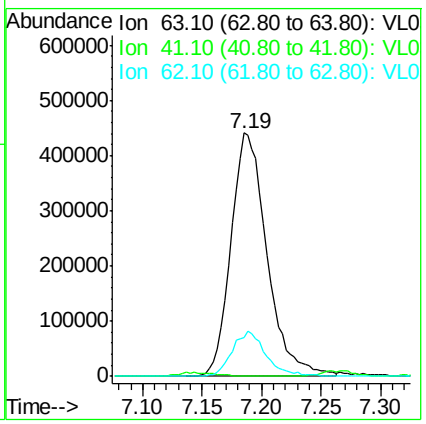


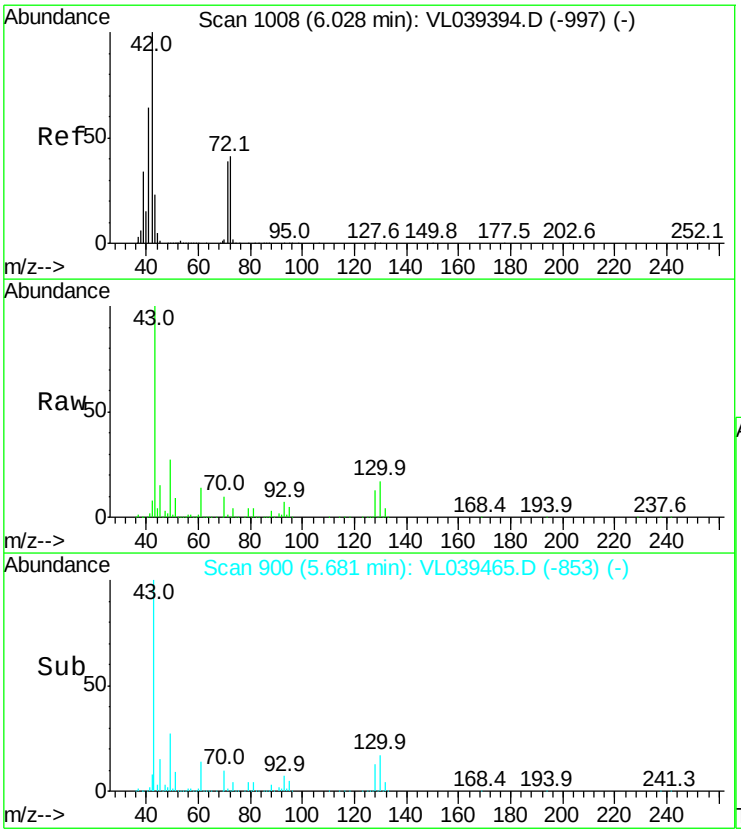
#39
1,2-Dichloropropane
Concen: 8.34 ppbv
RT: 7.19
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 63 Resp: 925581

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	15.8	51.4	77.0#

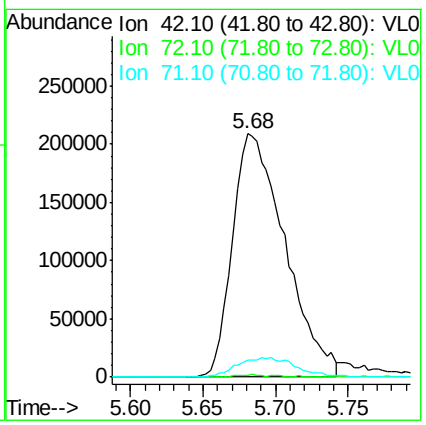


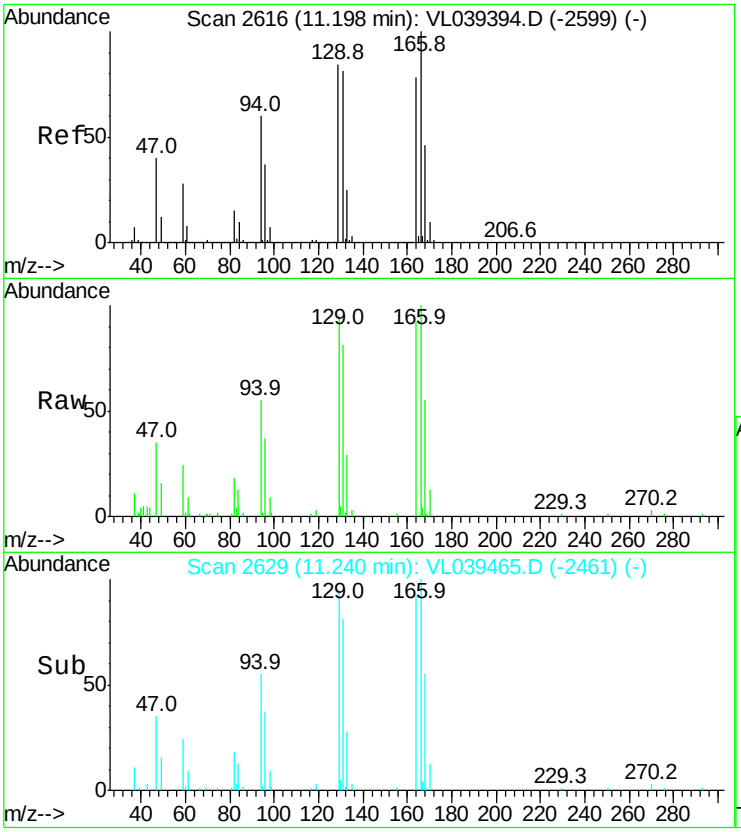


#41
Tetrahydrofuran
Concen: 4.69 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.35 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 42 Resp: 525456

Ion	Ratio	Lower	Upper
42	100		
72	0.8	31.8	47.8#
71	9.3	31.8	47.8#



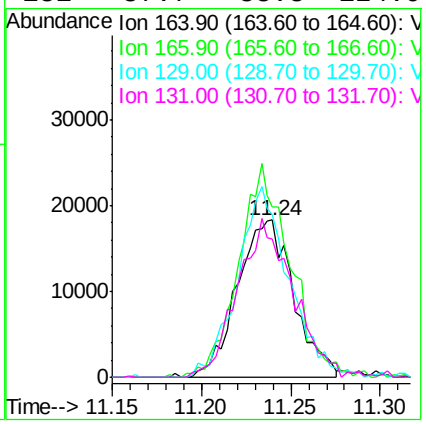


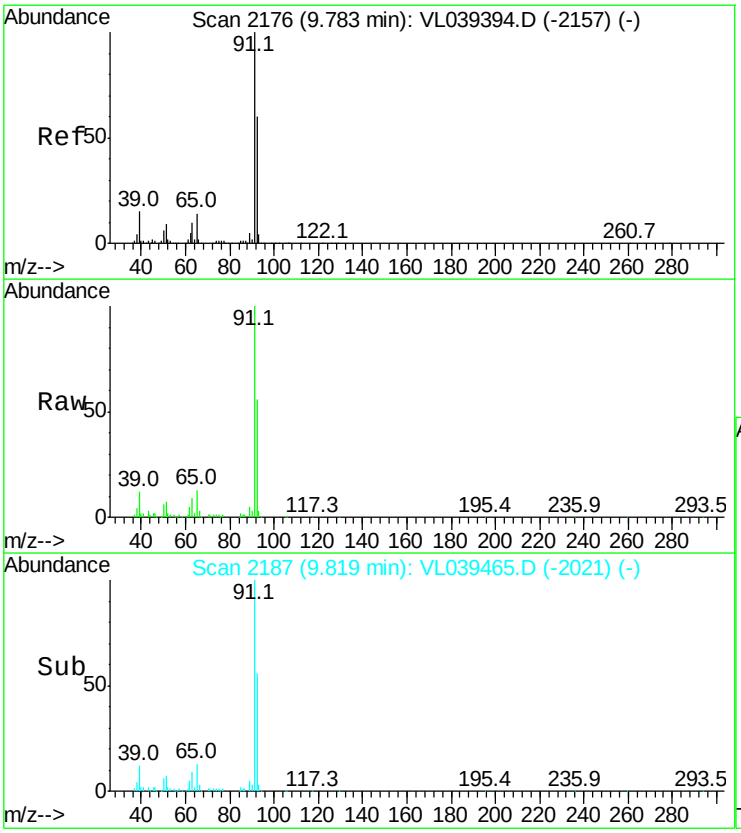
#52
Tetrachloroethene
Concen: 0.34 ppbv
RT: 11.24
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion:164 Resp: 40314

Ion	Ratio	Lower	Upper
164	100		
166	106.2	102.2	153.2
129	103.6	85.8	128.8
131	87.7	83.3	124.9

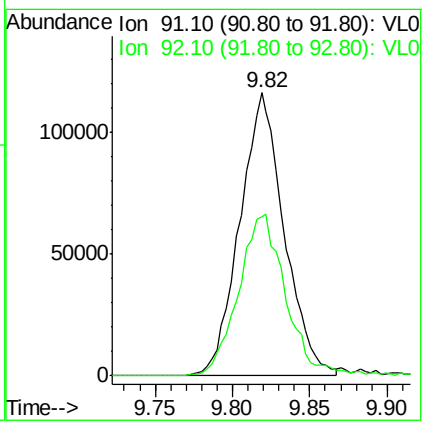


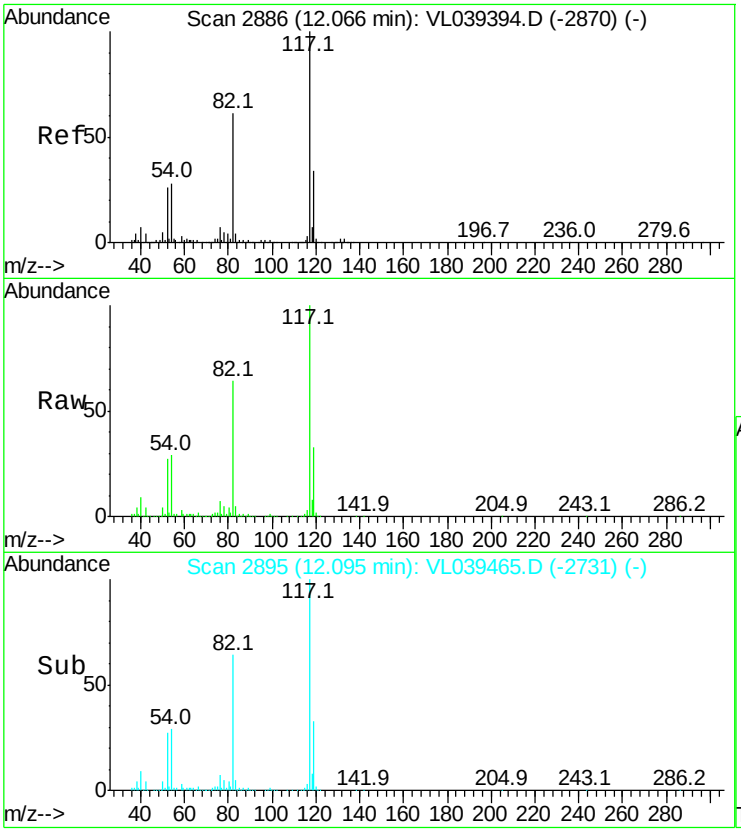


#53
Toluene
Concen: 0.68 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. 0.04 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 91 Resp: 232450

Ion	Ratio	Lower	Upper
91	100		
92	61.4	48.2	72.2



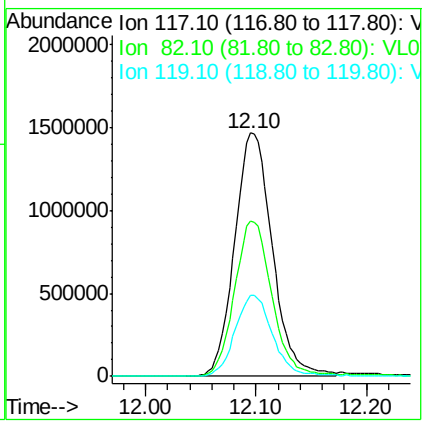


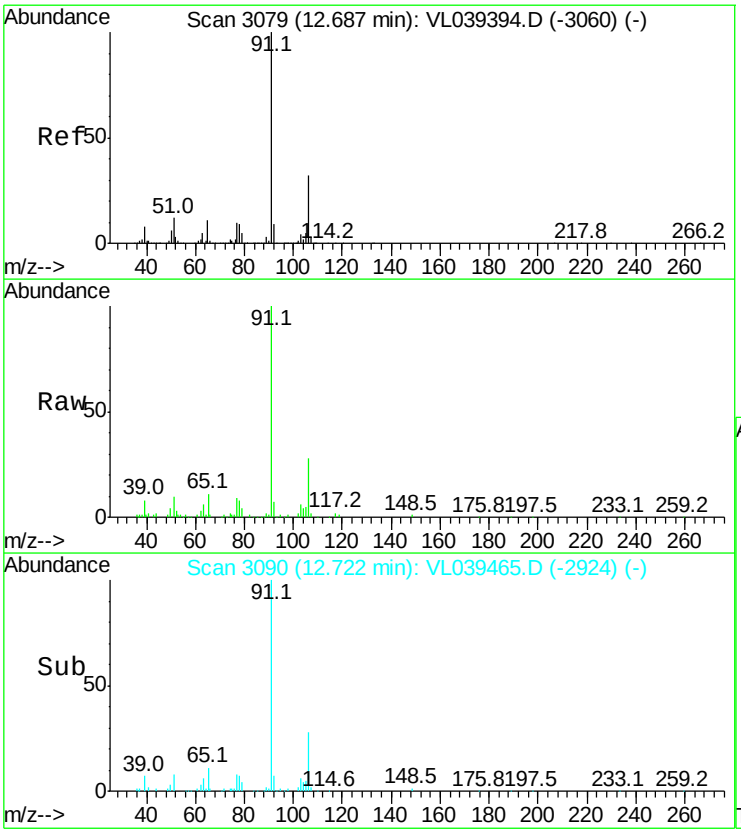
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.10
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion:117 Resp: 3481932

Ion	Ratio	Lower	Upper
117	100		
82	64.0	50.8	76.2
119	33.3	24.1	36.1

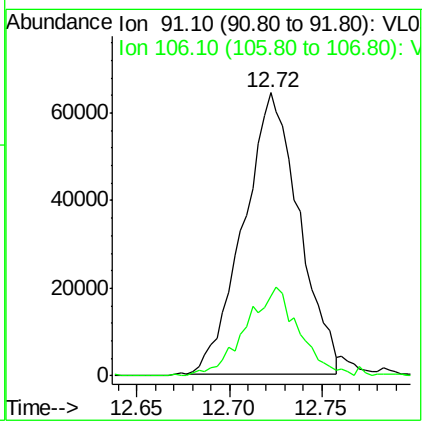


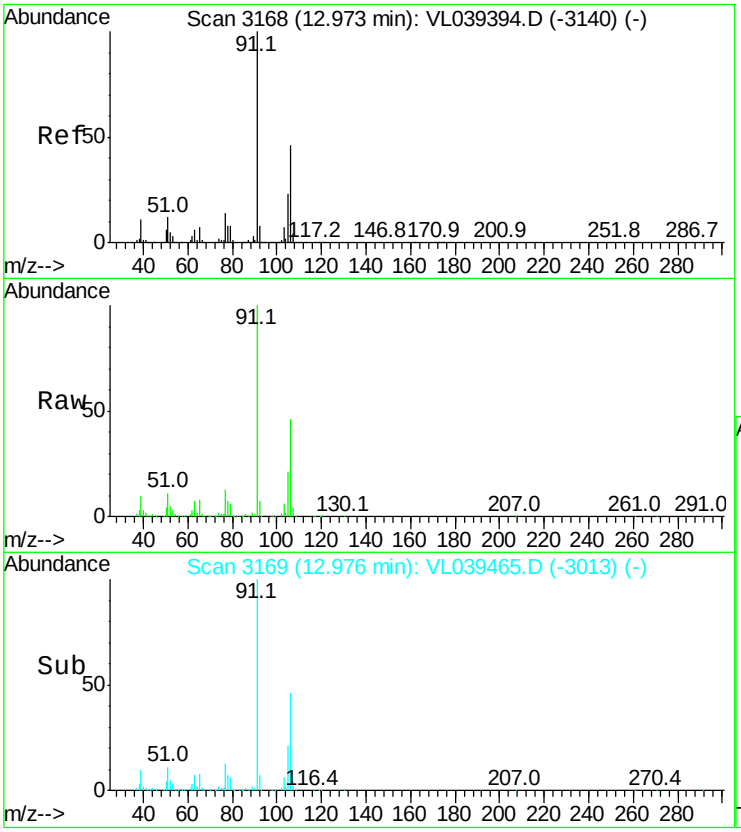


#58
Ethyl Benzene
Concen: 0.30 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.04 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 91 Resp: 134088

Ion	Ratio	Lower	Upper
91	100		
106	28.5	25.4	38.0



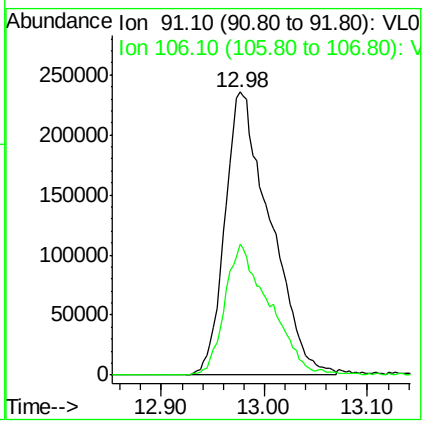


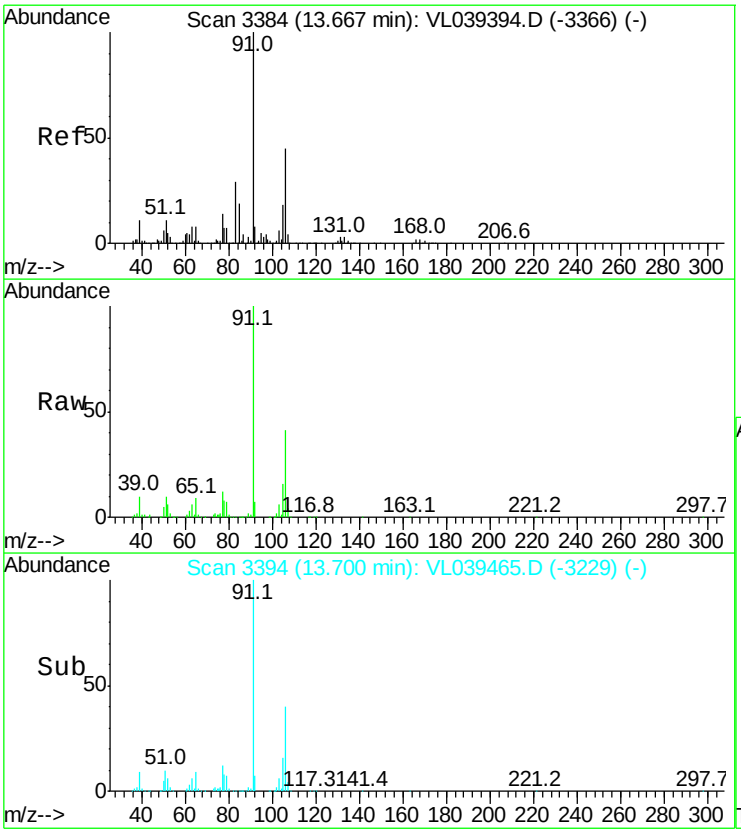
#59
m/p-Xylene
Concen: 1.81 ppbv
RT: 12.98
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 91 Resp: 716722

Ion	Ratio	Lower	Upper
91	100		
106	46.0	35.4	53.2

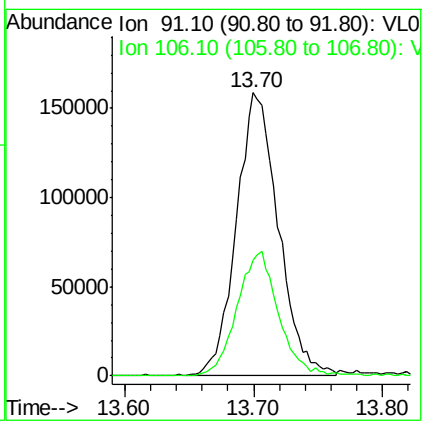


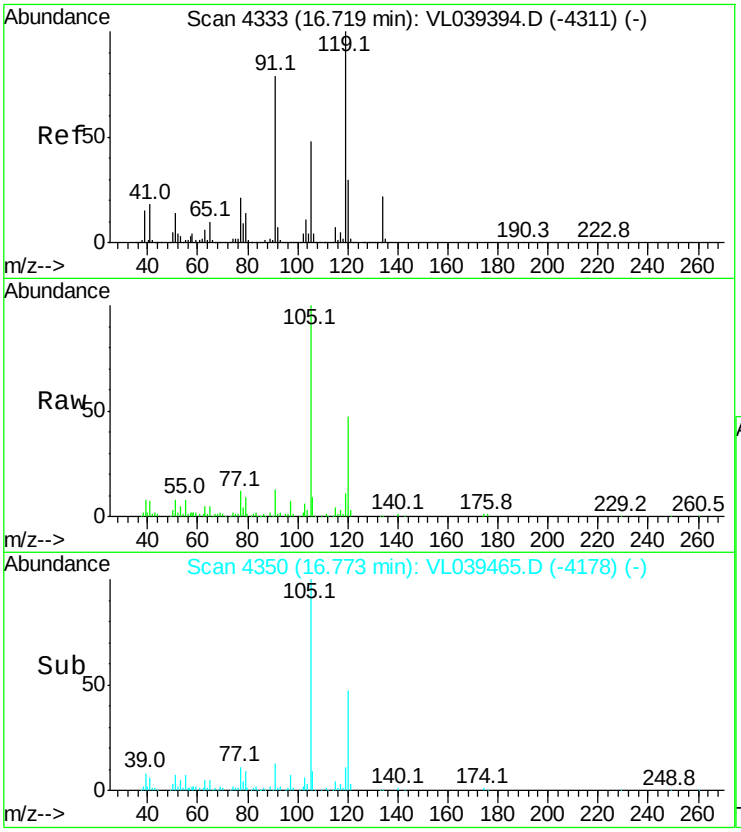


#60
o-Xylene
Concen: 0.96 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 91 Resp: 360010

Ion	Ratio	Lower	Upper
91	100		
106	43.1	22.4	67.3



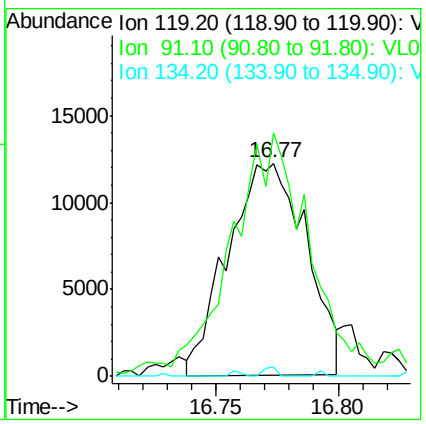


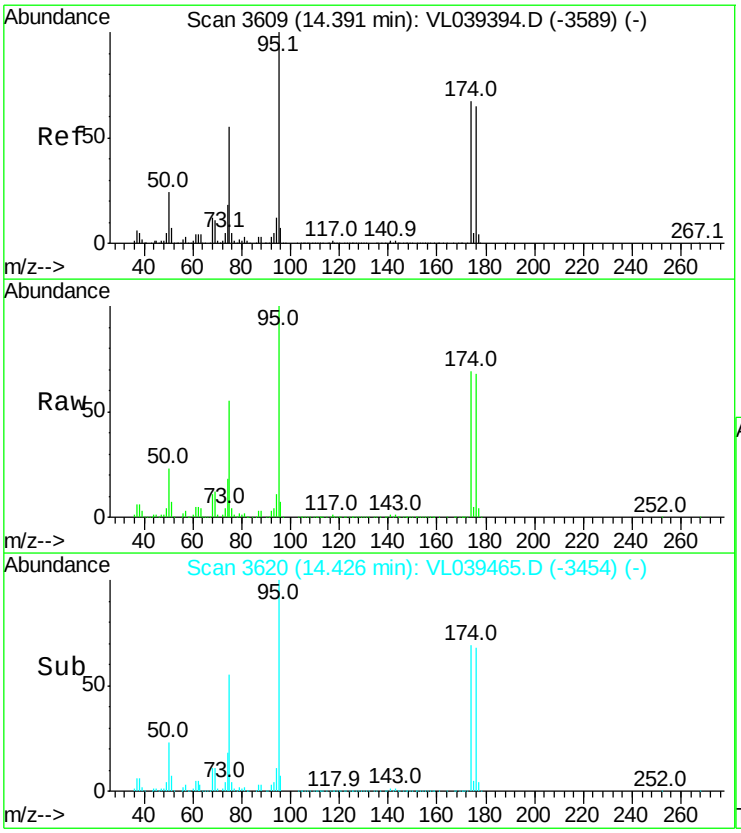
#65
tert-Butylbenzene
Concen: 0.05 ppbv
RT: 16.77
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion:119 Resp: 27262

Ion	Ratio	Lower	Upper
119	100		
91	119.9	63.4	95.2#
134	0.0	15.9	23.9#

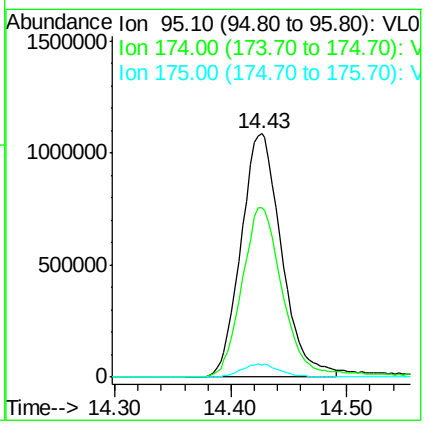


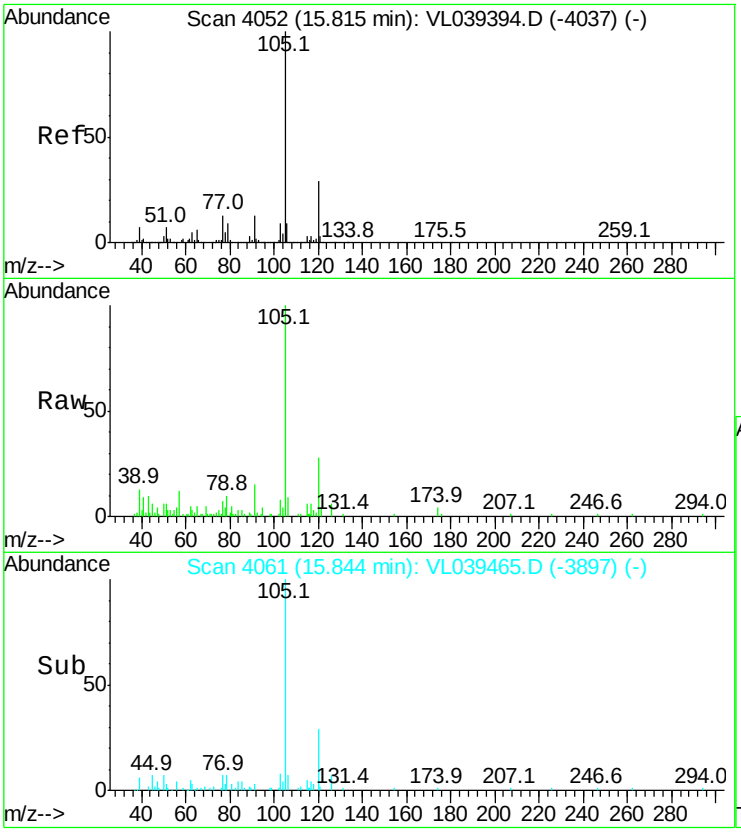


#68
1-Bromo-4-Fluorobenzene
Concen: 10.23 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. 0.04 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion: 95 Resp: 2642314

Ion	Ratio	Lower	Upper
95	100		
174	71.3	55.9	83.9
175	5.4	4.2	6.4



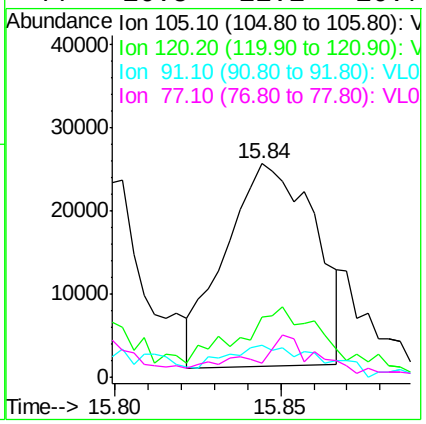


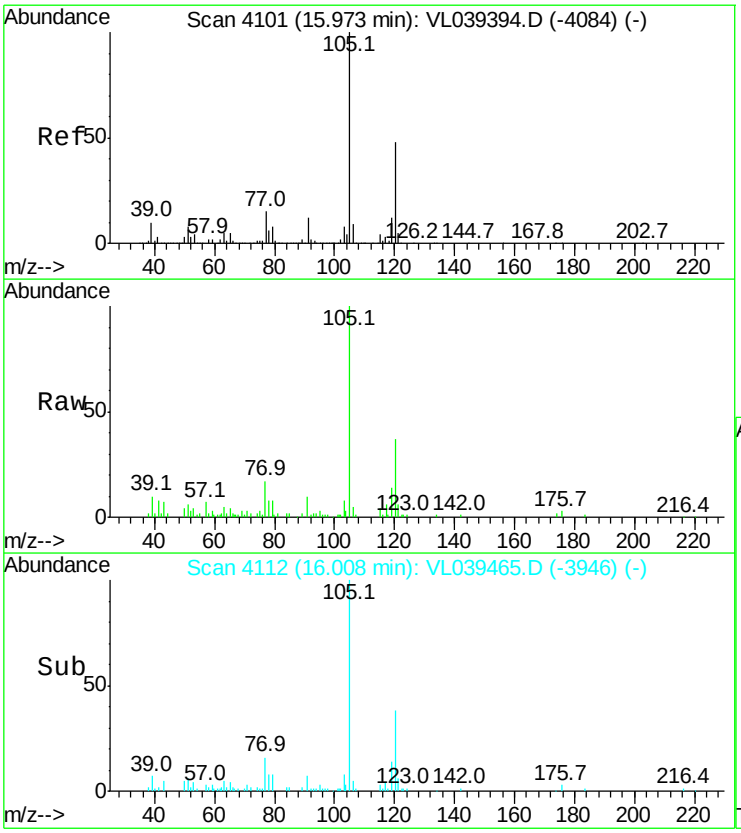
#72
4-Ethyltoluene
Concen: 0.10 ppbv
RT: 15.84
Delta R.T
Lab File:
Acq: 13 Jul 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion:105 Resp: 45891

Ion	Ratio	Lower	Upper
105	100		
120	41.6	24.2	36.2#
91	13.9	10.2	15.4
77	16.5	11.1	16.7

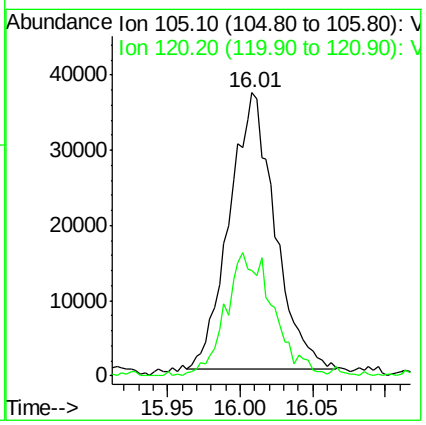


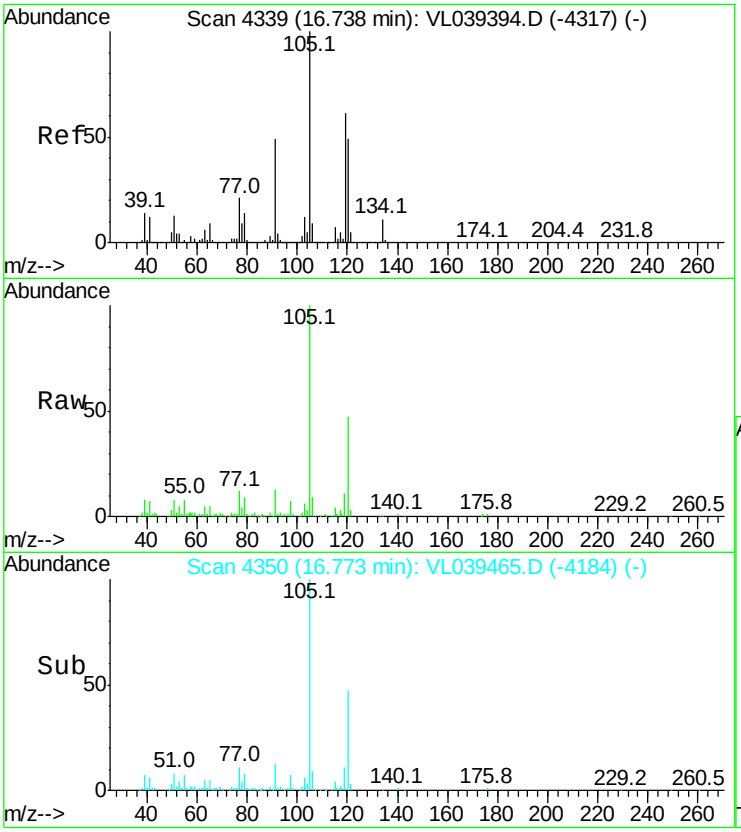


#73
1,3,5-Trimethylbenzene
Concen: 0.20 ppbv
RT: 16.01 min Scan# 4112
Delta R.T. 0.04 min
Lab File: VL039465.D
Acq: 13 Jul 2022 2:41

Tgt Ion:105 Resp: 80221

Ion	Ratio	Lower	Upper
105	100		
120	37.3	38.2	57.4#





#74
1,2,4-Trimethylbenzene
Concen: 0.56 ppbv
RT: 16.77
Delta R.T
Lab File:
Acq: 13 Jul 2022 2.41

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion:105 Resp: 252739

Ion	Ratio	Lower	Upper
105	100		
120	47.1	39.5	59.3
91	12.7	39.2	58.8#
77	10.9	17.2	25.8#