Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
Data File : VL039408.D
Acq On : 29 Jun 2022 23:03
Operator : SY/AP
Sample : N3530-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA1

Quant Time: Jun 30 05:43:30 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jun 30 05:40:11 2022
QLast Update : Thu Jun 30 05:40:11 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1083945	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	2985672	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2583071	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2001562	10.45	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	43764	0.28	ppbv		90
3) Chlorodifluoromethane	2.98	51	110330	0.80	ppbv	#	86
4) Chloromethane	3.13	50	38241	0.51	ppbv		95
9) Propene	3.20	41	239678	3.86	ppbv		100
10) Heptane	8.11	43	13163	0.09	ppbv	#	4
11) Trichlorofluoromethane	3.94	101	42757	0.25	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	3241	0.02	ppbv	#	13
13) Ethanol	3.59	45	1020874	283.33	ppbv		72
15) Acetone	3.84	43	1210710	9.44	ppbv		96
16) 1,3-Butadiene	3.31	39	2868	0.04	ppbv	#	1
19) Isopropyl Alcohol	3.96	45	200014	2.92	ppbv	#	92
20) Methylene Chloride	4.34	84	92738	1.81	ppbv		97
23) Vinyl Acetate	5.05	43	24875	0.29	ppbv	#	32
25) Ethyl Acetate	5.67	43	146772	0.56	ppbv	#	65
26) Hexane	5.67	57	117011	1.10	ppbv	#	58
29) Chloroform	5.74	83	69026	0.37	ppbv		86
30) Cyclohexane	7.12	84	6377	0.07	ppbv	#	1
34) 2-Butanone	5.23	43	86336	0.57	ppbv		93
35) Carbon Tetrachloride	7.00	117	4047	0.02	ppbv		87
36) Benzene	6.88	78	76154	0.33	ppbv	#	92
37) 1,2-Dichloroethane	6.29	62	4243	0.03	ppbv	#	81
39) 1,2-Dichloropropane	7.16	63	731344	8.47	ppbv	#	25
41) Tetrahydrofuran	6.03	42	1880	0.02	ppbv	#	35
44) 2,2,4-Trimethylpentane	7.86	57	79899	0.20	ppbv	#	15
53) Toluene	9.79	91	407402	1.53	ppbv		100
59) m/p-Xylene	12.94	91	132719	0.45	ppbv	#	1
60) o-Xylene	13.67	91	111915	0.40	ppbv		97
61) Styrene	13.51	104	7133	0.05	ppbv	#	28
62) Isopropylbenzene	14.65	105	22764	0.05	ppbv		94
64) n-propylbenzene	15.54	120	19328	0.18	ppbv		69
65) tert-Butylbenzene	16.74	119	40982	0.10	ppbv	#	38
69) p-Isopropyltoluene	17.63	119	25340	0.06	ppbv	#	72
72) 4-Ethyltoluene	15.82	105	84099	0.26	ppbv	#	55
73) 1,3,5-Trimethylbenzene	15.98	105	69790	0.23	ppbv		89
74) 1,2,4-Trimethylbenzene	16.74	105	404906	1.22	ppbv	#	70
76) 1,4-Dichlorobenzene	17.11	146	7923	0.04	ppbv	#	1

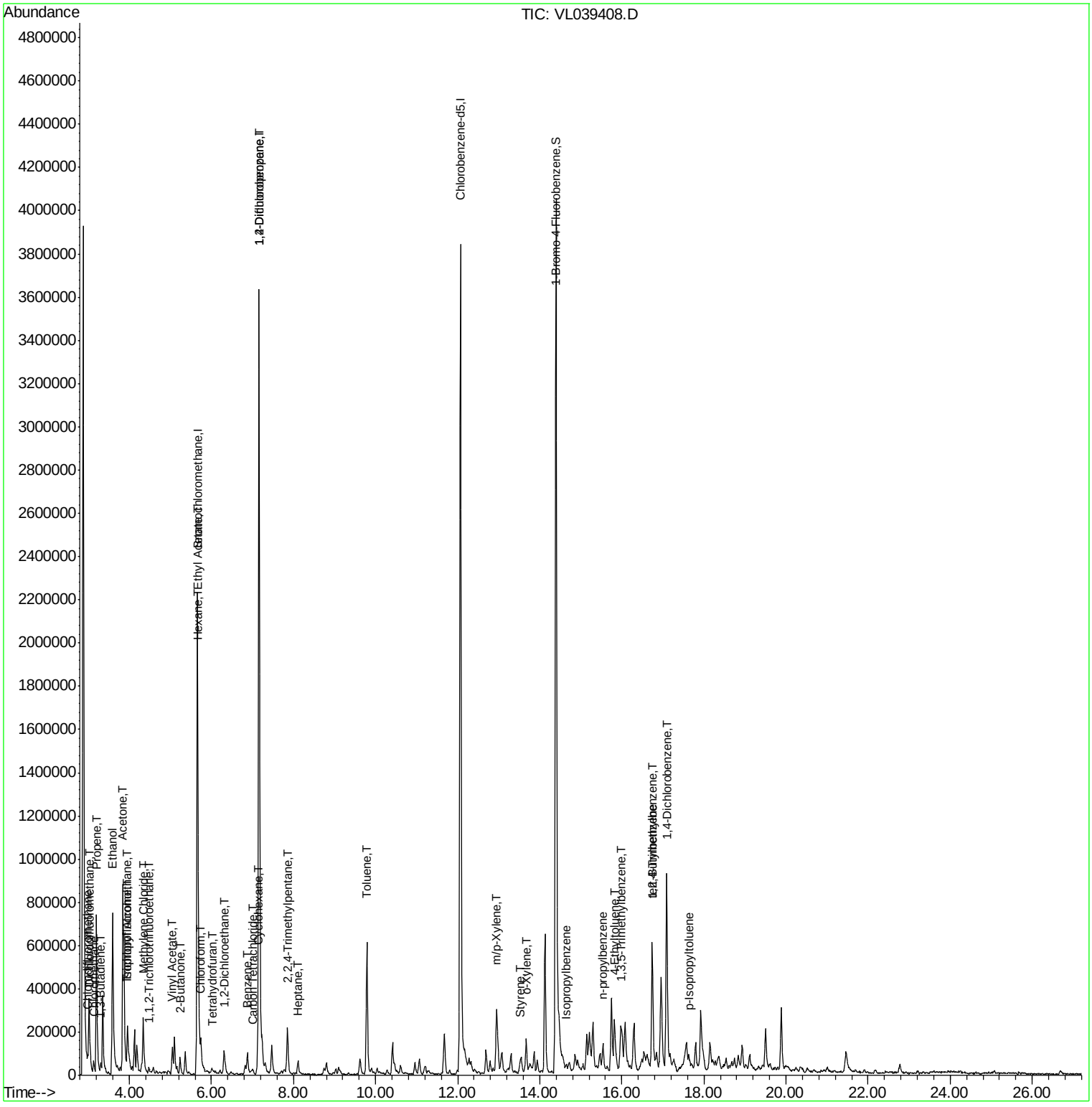
(#) = qualifier out of range (m) = manual integration (+) = signals summed

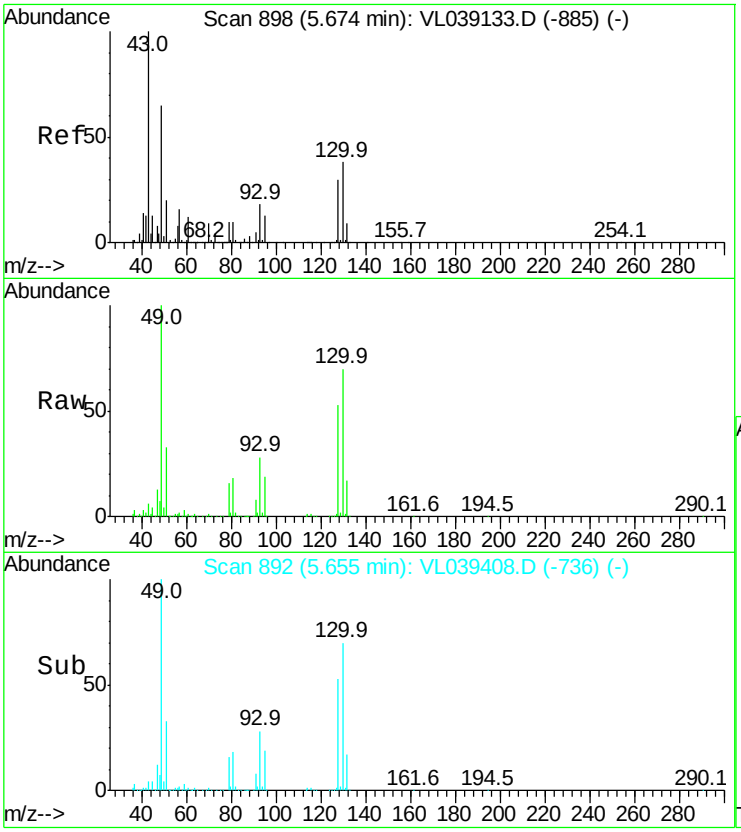
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
Data File : VL039408.D
Acq On : 29 Jun 2022 23:03
Operator : SY/AP
Sample : N3530-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Jun 30 05:43:30 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jun 30 05:40:11 2022
QLast Update : Thu Jun 30 05:40:11 2022
Response via : Initial Calibration



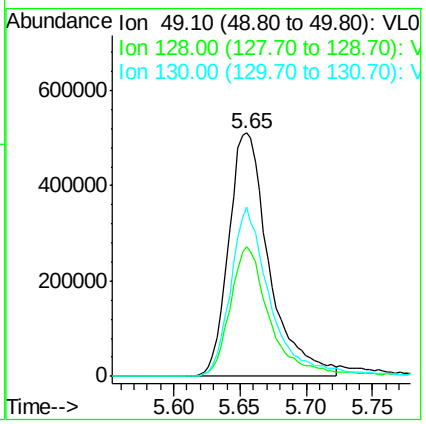


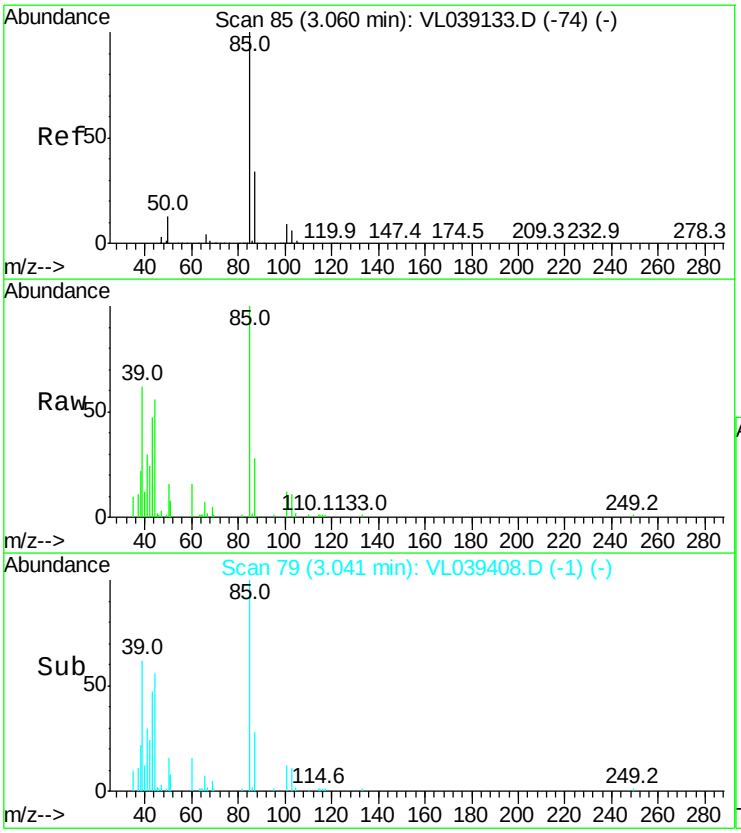
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 1083945

Ion	Ratio	Lower	Upper
49	100		
128	54.1	26.7	80.0
130	68.3	34.3	102.8

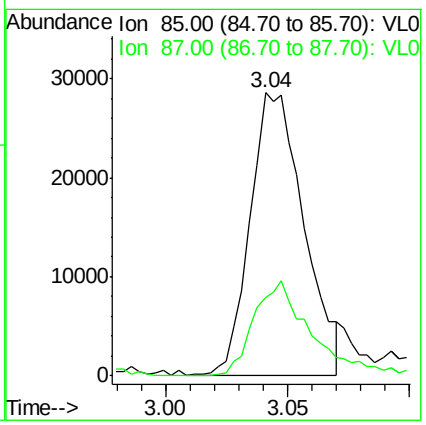


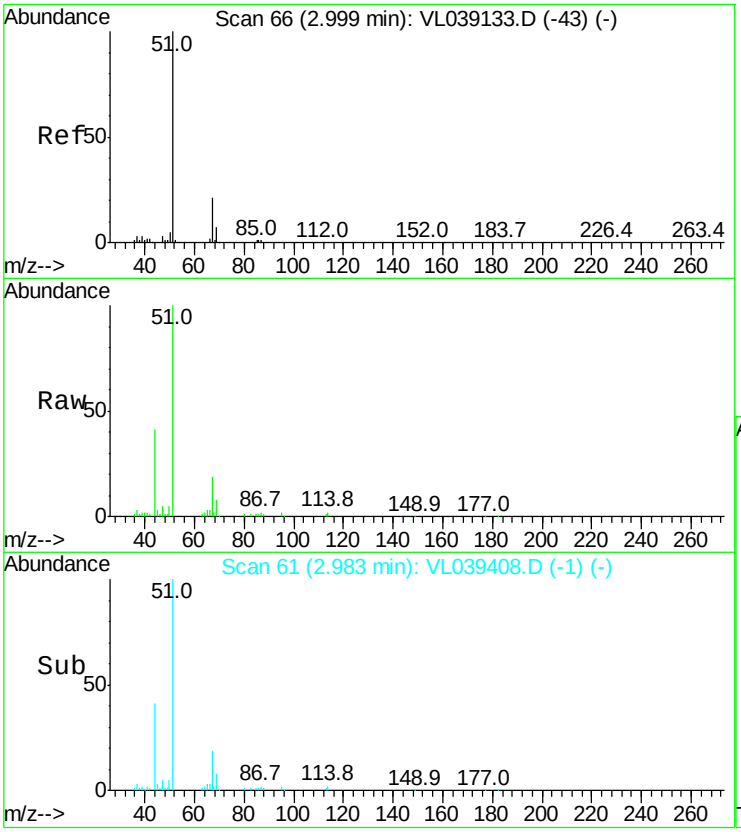


#2
Dichlorodifluoromethane
Concen: 0.28 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.00 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 85 Resp: 43764

Ion	Ratio	Lower	Upper
85	100		
87	27.7	26.7	40.1



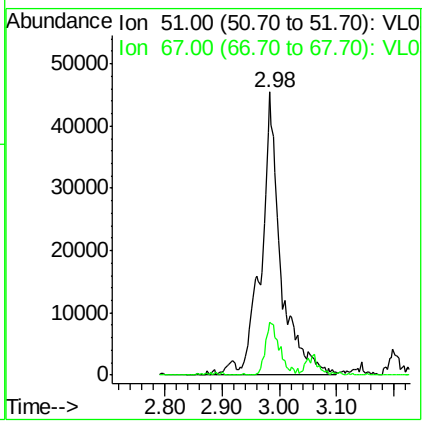


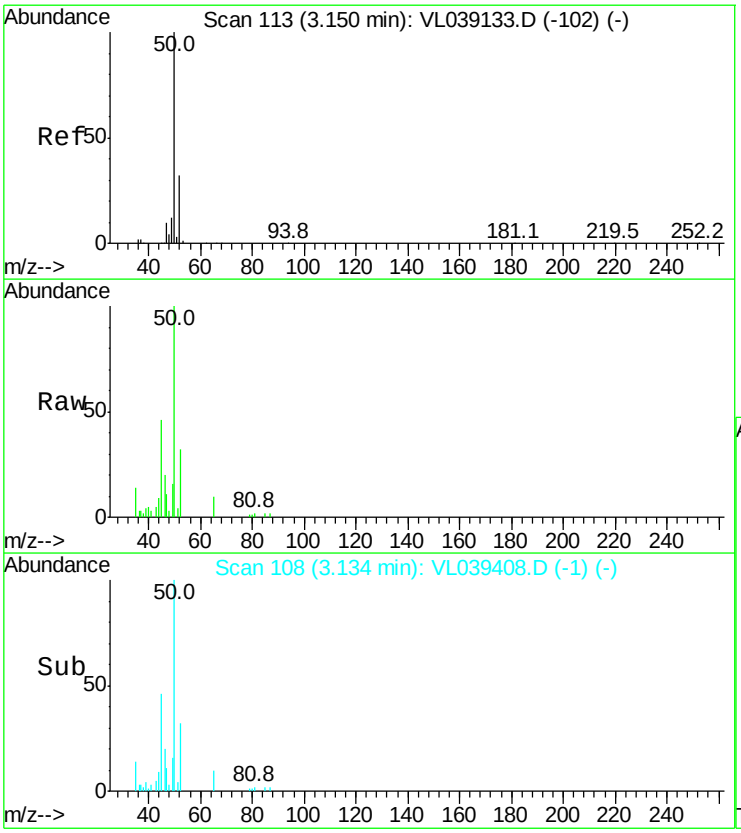
#3
Chlorodifluoromethane
Concen: 0.80 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 110330

Ion	Ratio	Lower	Upper
51	100		
67	13.4	15.7	23.5#

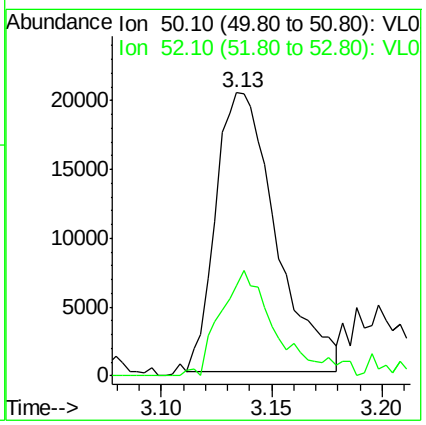


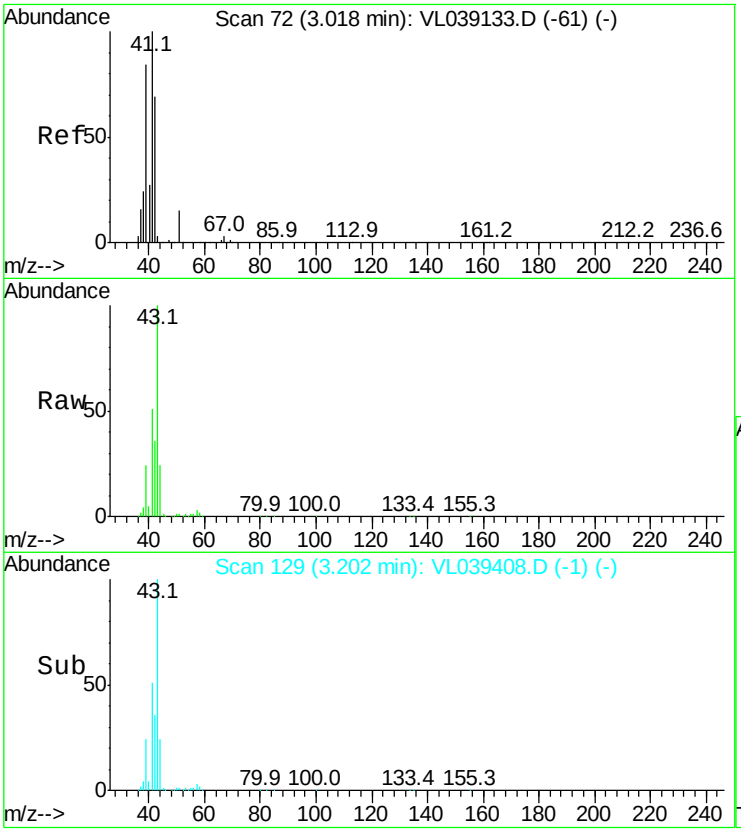


#4
Chloromethane
Concen: 0.51 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 50 Resp: 38241

Ion	Ratio	Lower	Upper
50	100		
52	30.1	26.5	39.7



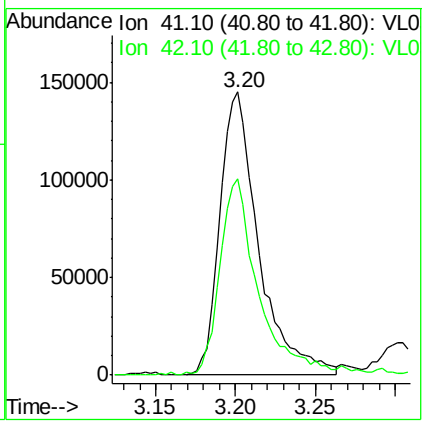


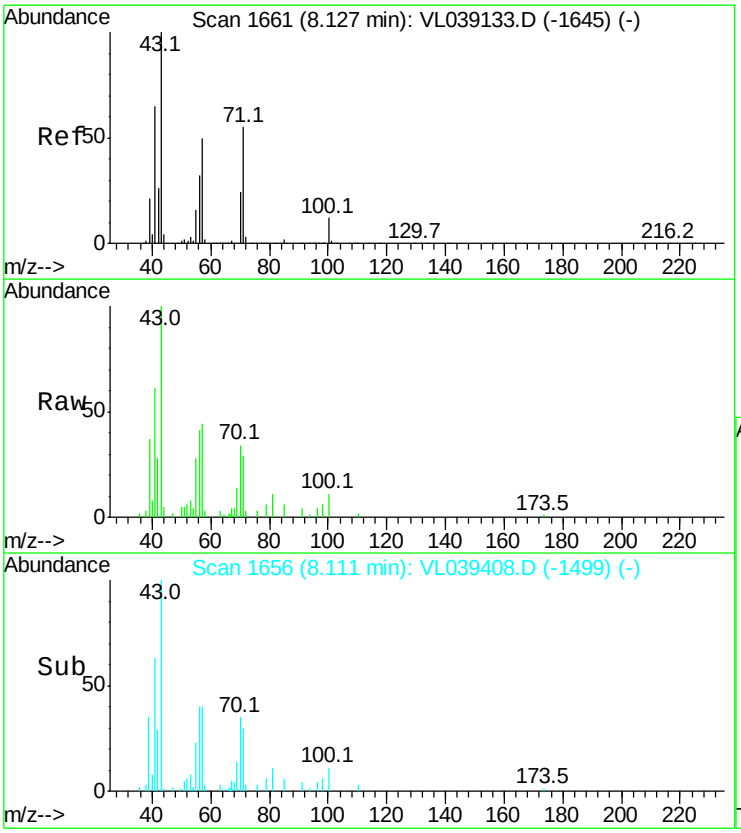
#9
Propene
Concen: 3.86 ppbv
RT: 3.20
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 41 Resp: 239678

Ion	Ratio	Lower	Upper
41	100		
42	69.4	55.2	82.8

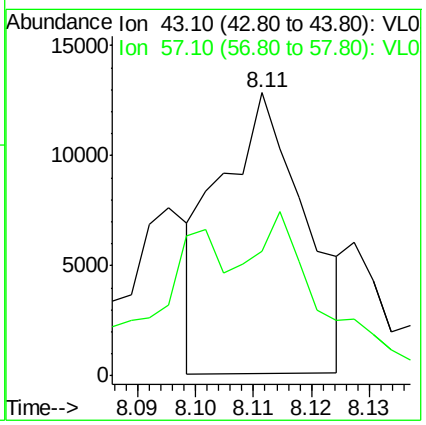


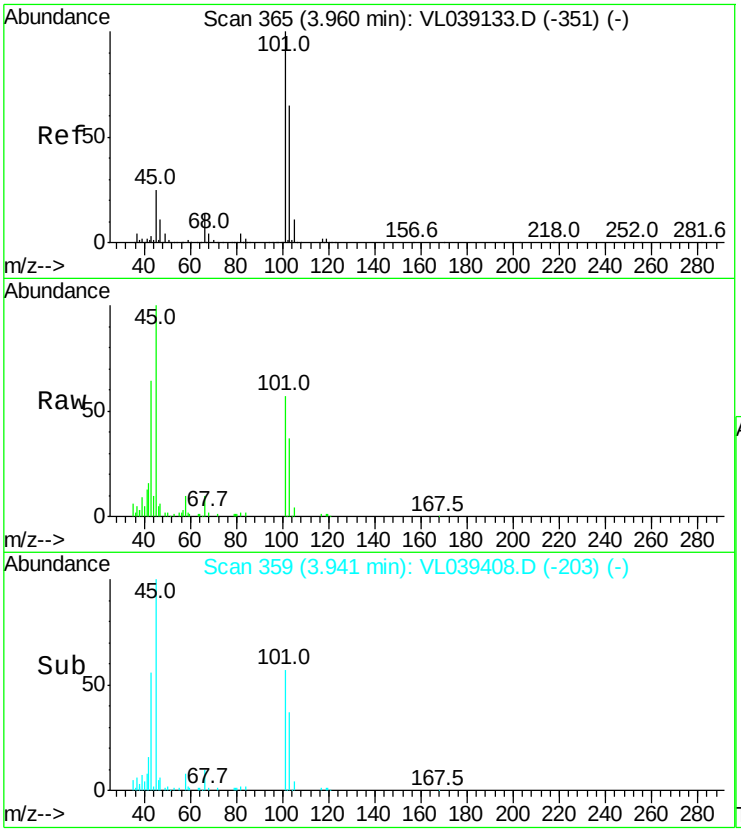


#10
Heptane
Concen: 0.09 ppbv
RT: 8.11 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 43 Resp: 13163

Ion	Ratio	Lower	Upper
43	100		
57	117.3	40.5	60.7#



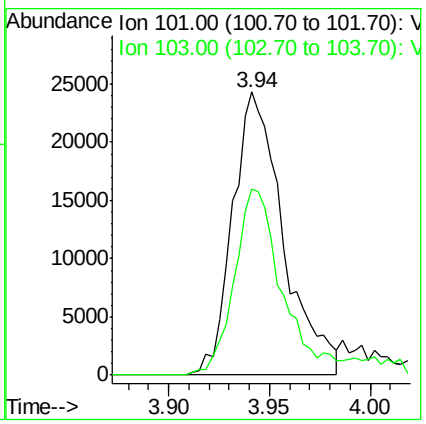


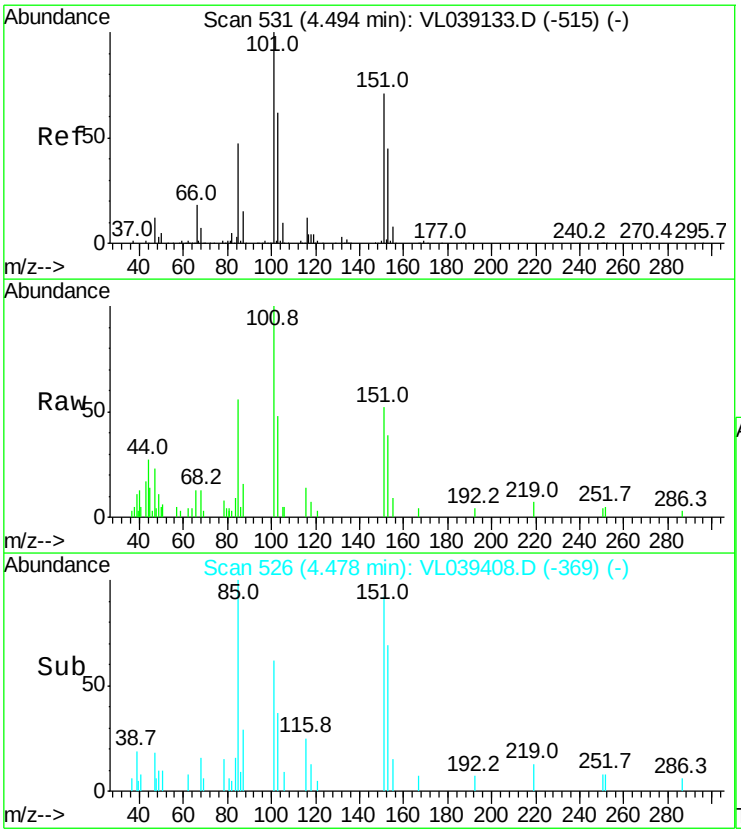
#11
Trichlorofluoromethane
Concen: 0.25 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:101 Resp: 42757

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.8

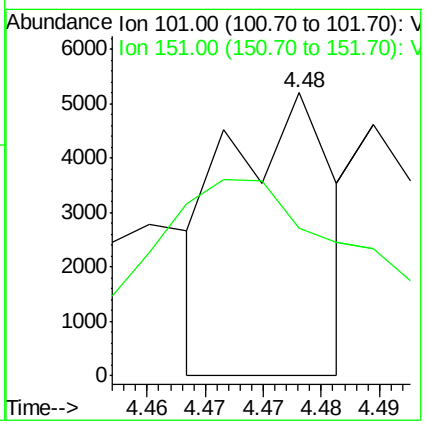


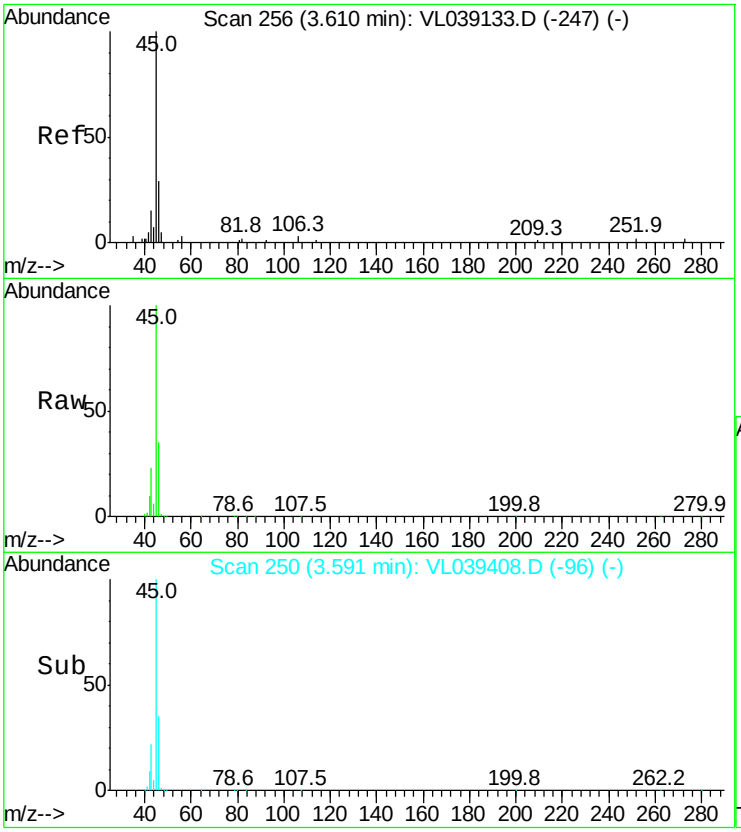


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.02 ppbv
RT: 4.48 min Scan# 526
Delta R.T. 0.01 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion:101 Resp: 3241

Ion	Ratio	Lower	Upper
101	100		
151	0.0	58.9	88.3#



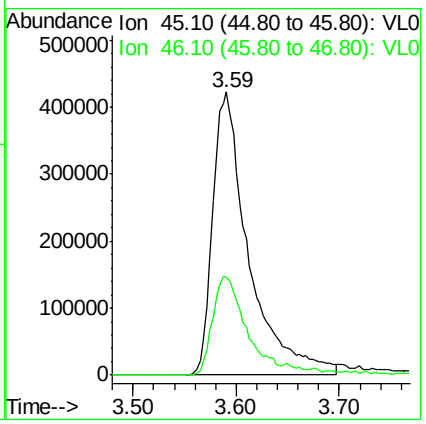


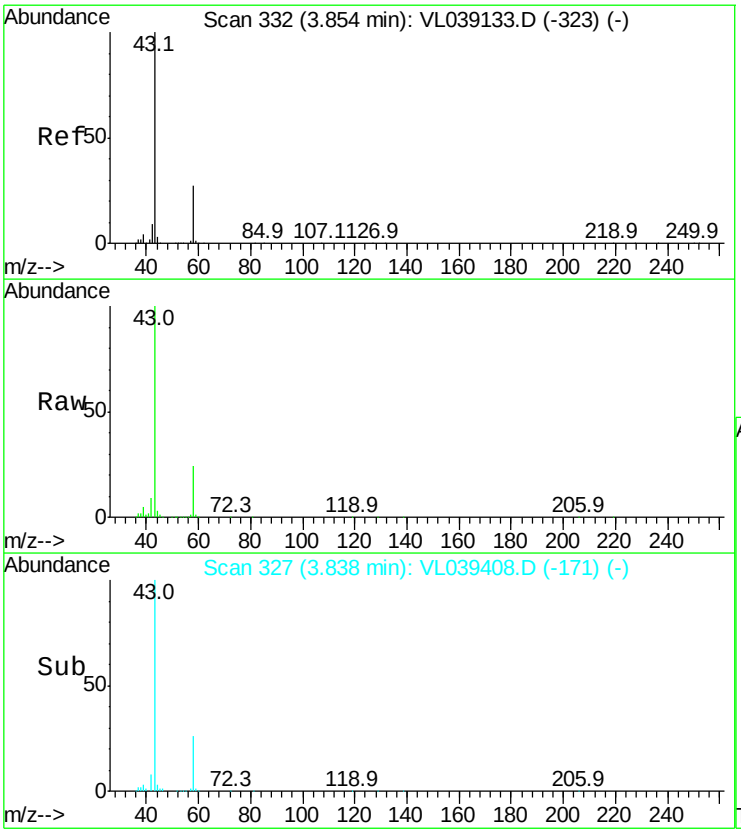
#13
Ethanol
Concen: 283.33 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 1020874

Ion	Ratio	Lower	Upper
45	100		
46	36.6	22.8	91.2

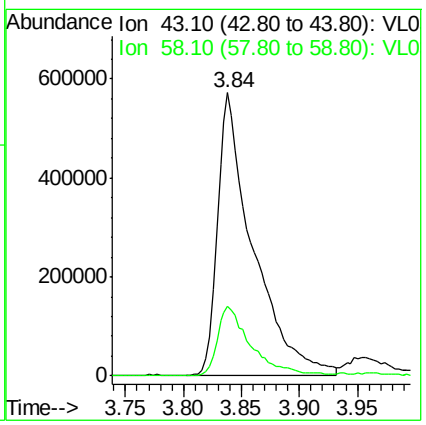


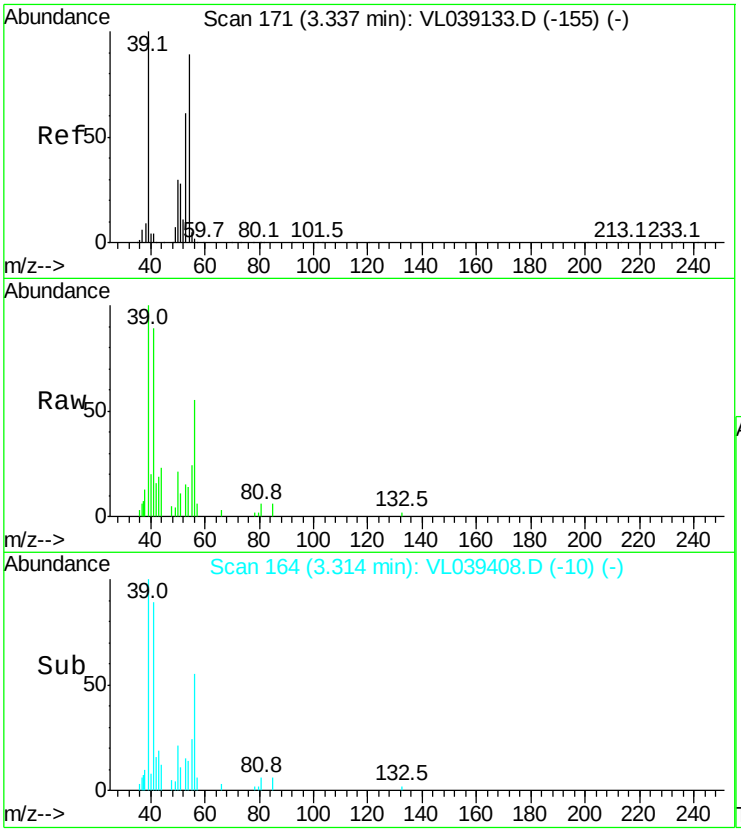


#15
Acetone
Concen: 9.44 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 43 Resp: 1210710

Ion	Ratio	Lower	Upper
43	100		
58	24.1	21.0	31.6



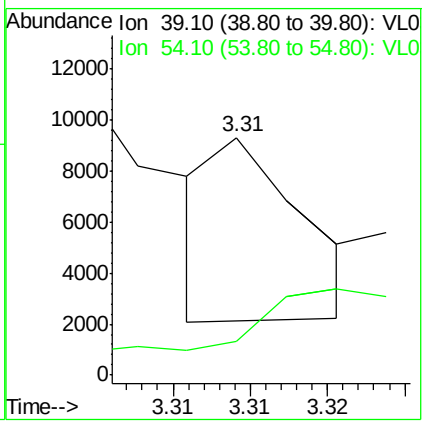


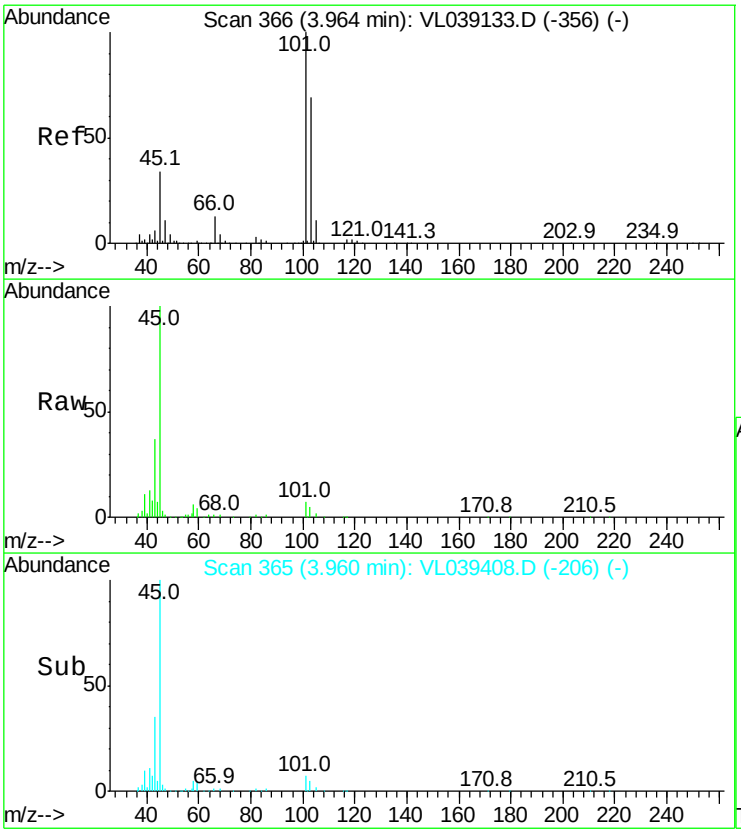
#16
1,3-Butadiene
Concen: 0.04 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 39 Resp: 2868

Ion	Ratio	Lower	Upper
39	100		
54	212.5	63.7	95.5#

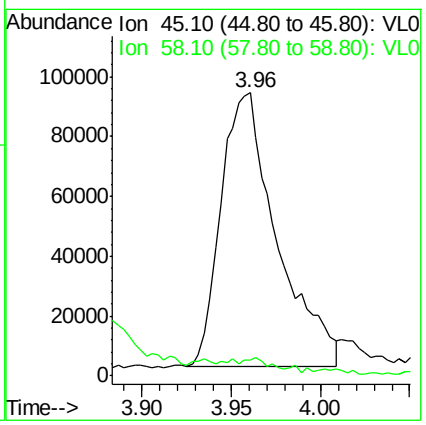


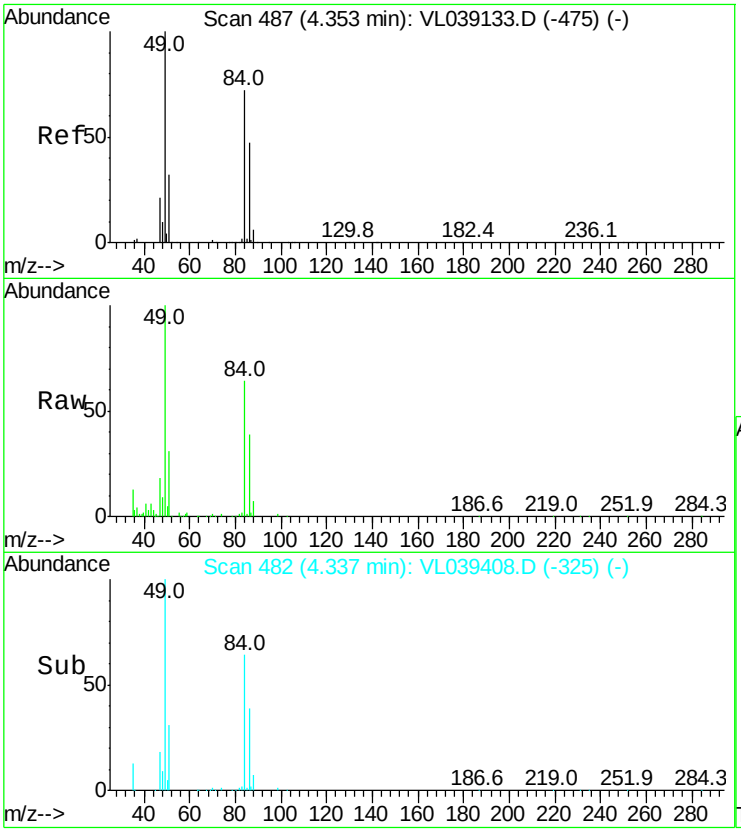


#19
Isopropyl Alcohol
Concen: 2.92 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 45 Resp: 200014

Ion	Ratio	Lower	Upper
45	100		
58	6.7	3.2	4.8#



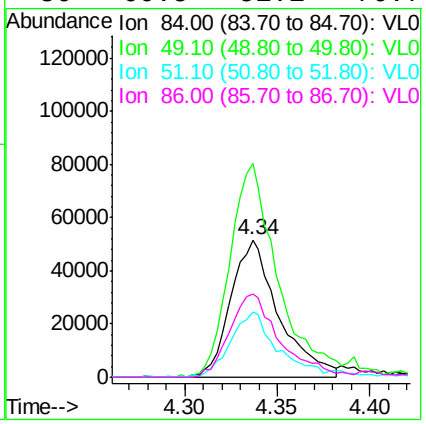


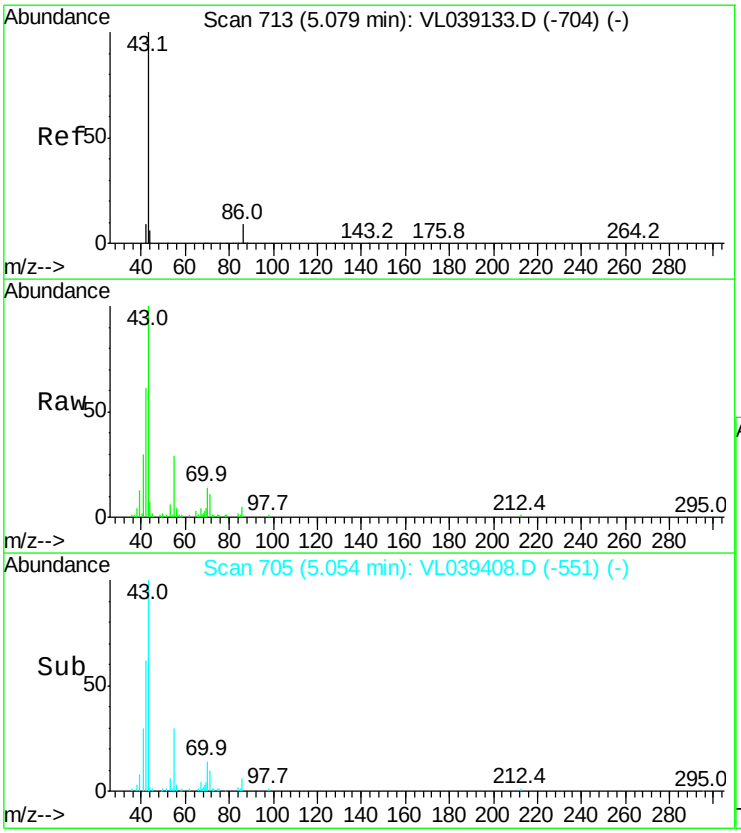
#20
Methylene Chloride
Concen: 1.81 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 84 Resp: 92738

Ion	Ratio	Lower	Upper
84	100		
49	155.8	123.1	184.7
51	47.6	34.4	51.6
86	60.5	51.1	76.7

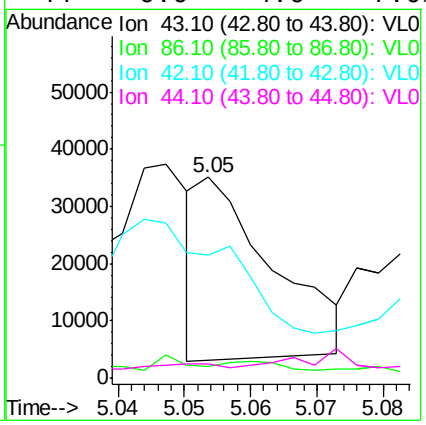


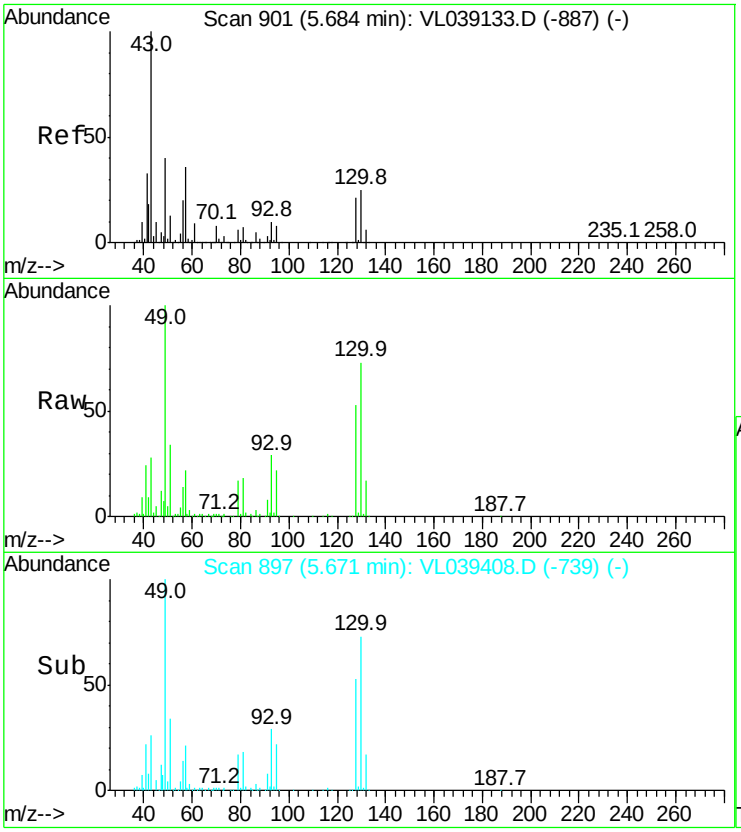


#23
Vinyl Acetate
Concen: 0.29 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.00 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 43 Resp: 24875

Ion	Ratio	Lower	Upper
43	100		
86	2.1	5.0	7.6#
42	59.0	7.7	11.5#
44	0.0	4.6	7.0#



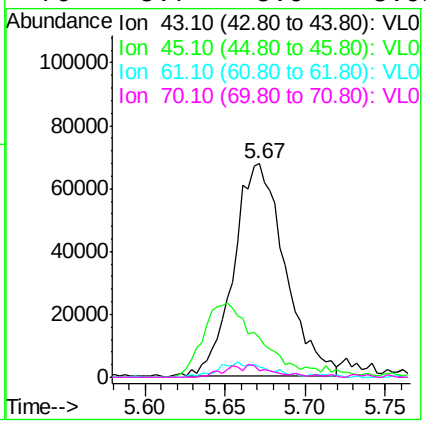


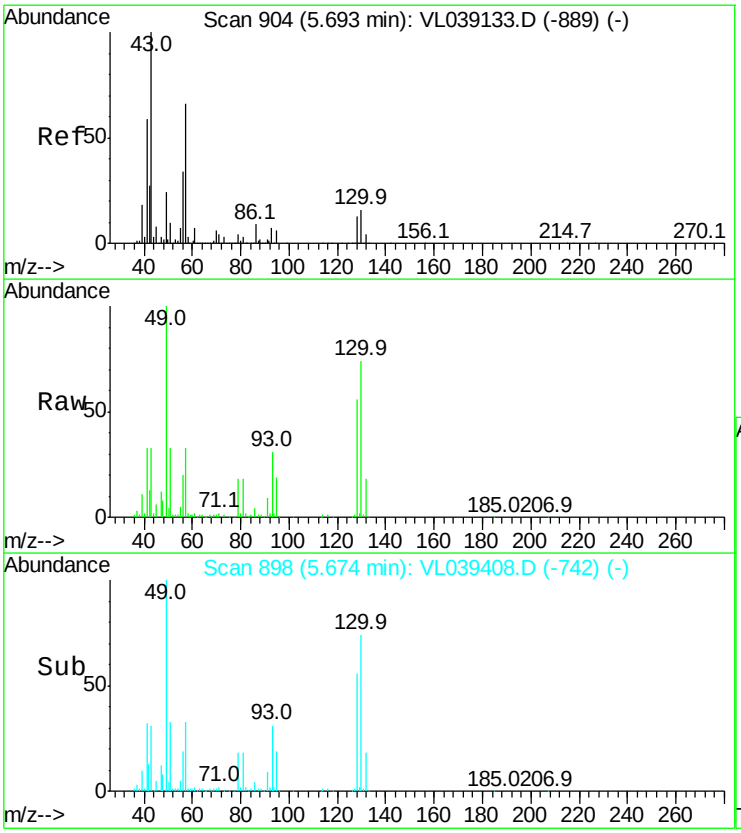
#25
Ethyl Acetate
Concen: 0.56 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 146772

Ion	Ratio	Lower	Upper
43	100		
45	41.8	8.2	12.4#
61	7.6	8.3	12.5#
70	5.7	5.9	8.9#

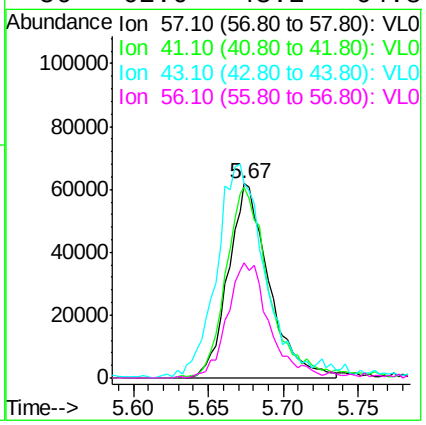


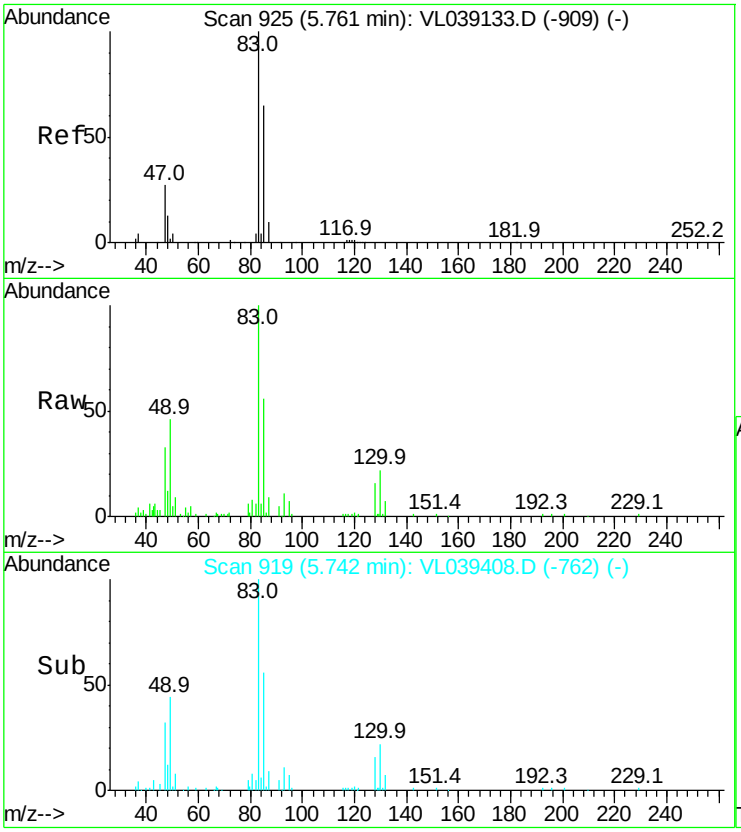


#26
Hexane
Concen: 1.10 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 57 Resp: 117011

Ion	Ratio	Lower	Upper
57	100		
41	105.8	76.9	115.3
43	133.8	191.0	286.6#
56	62.0	43.2	64.8



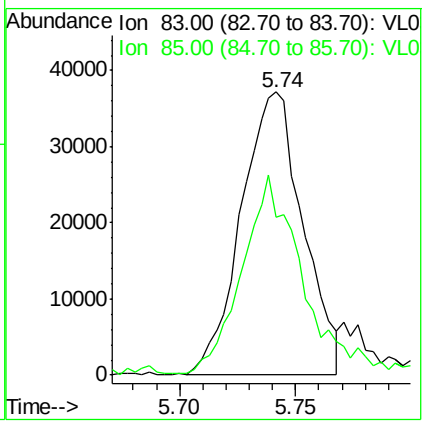


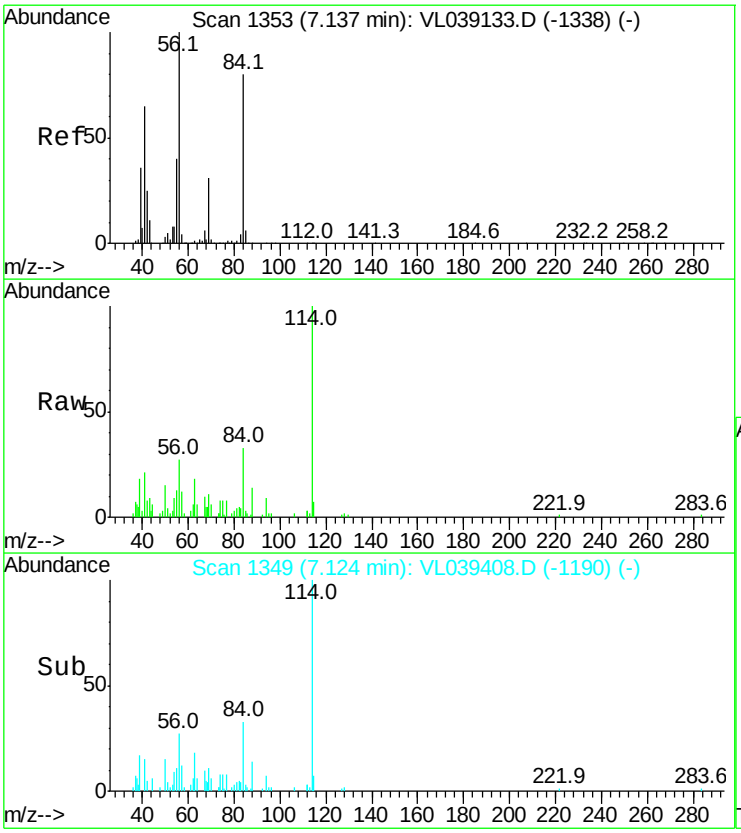
#29
Chloroform
Concen: 0.37 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 83 Resp: 69026

Ion	Ratio	Lower	Upper
83	100		
85	55.1	52.8	79.2

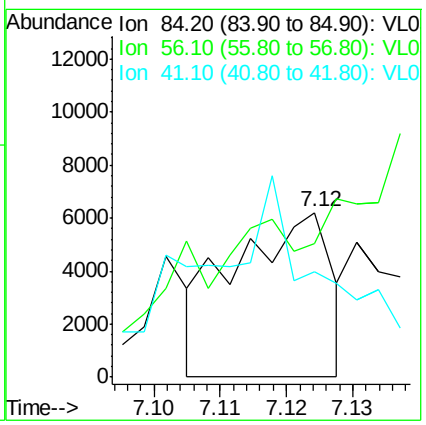


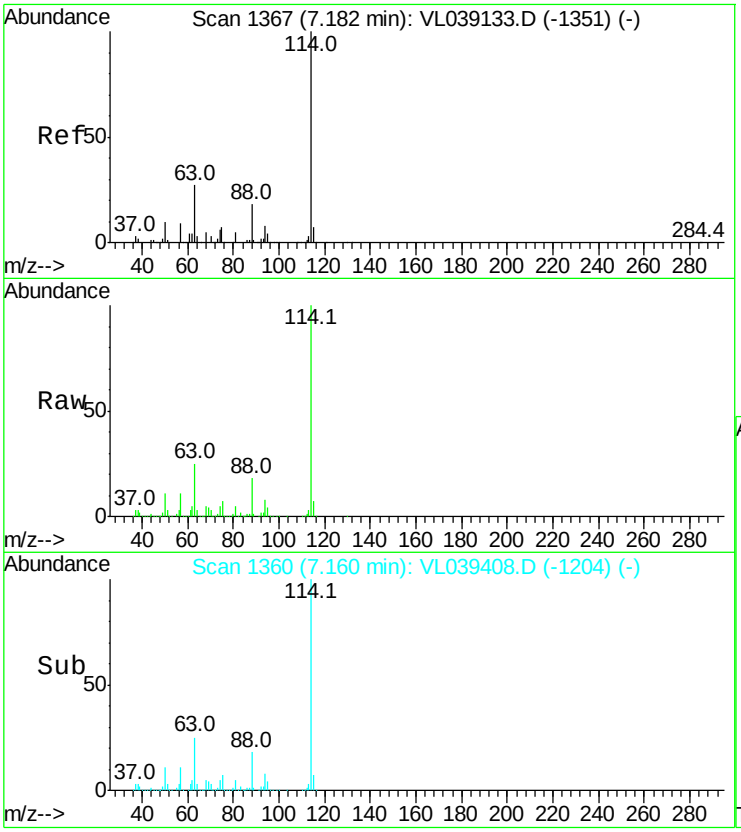


#30
Cyclohexane
Concen: 0.07 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 84 Resp: 6377

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	218.1	67.7	101.5#



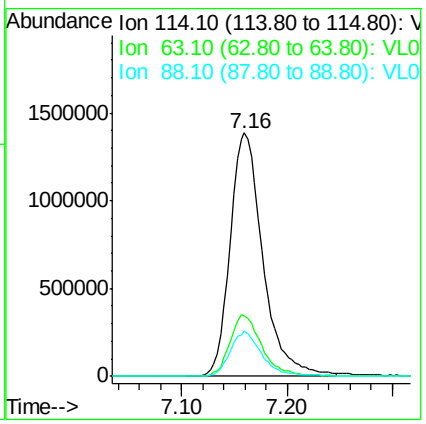


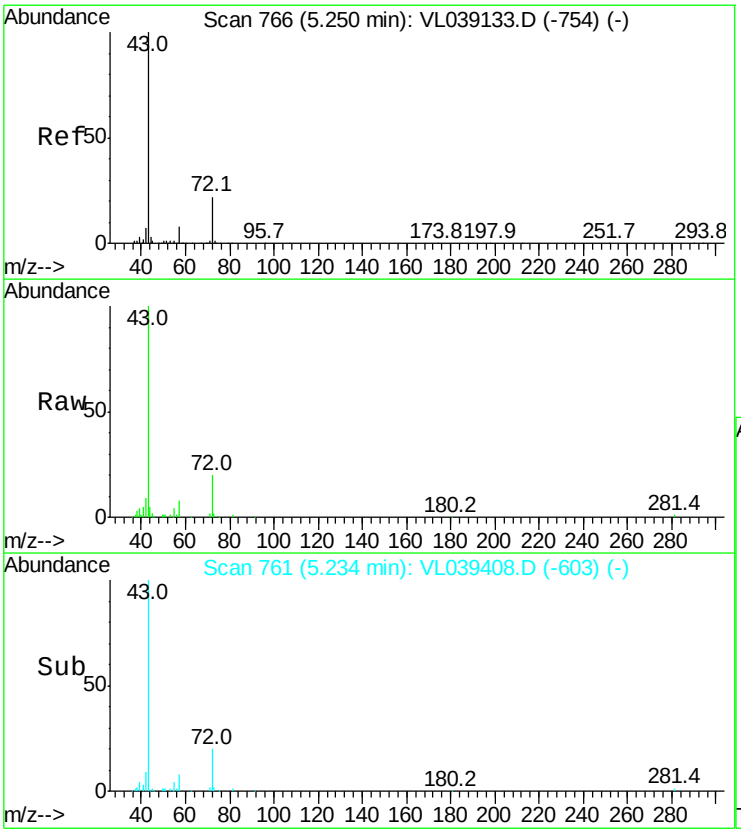
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:114 Resp: 2985672

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.4
88	18.1	14.5	21.7

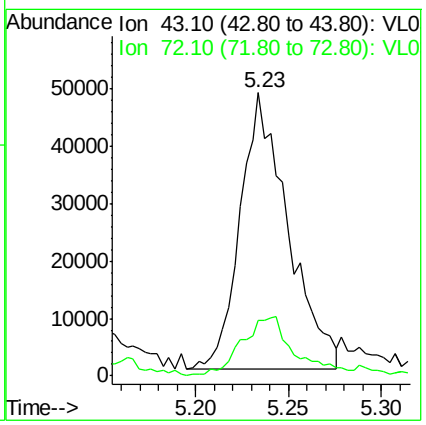


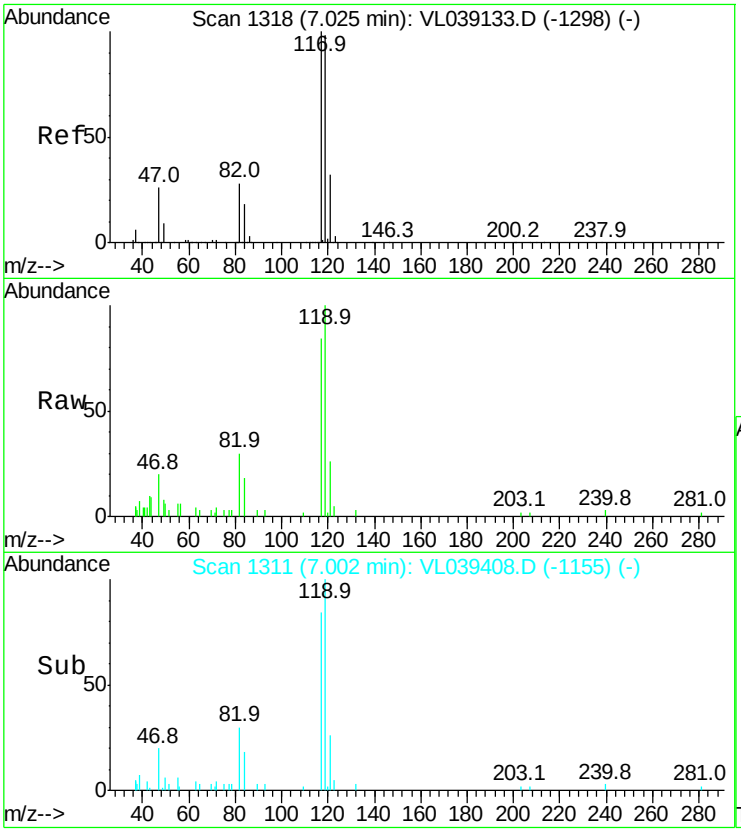


#34
2-Butanone
Concen: 0.57 ppbv
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 43 Resp: 86336

Ion	Ratio	Lower	Upper
43	100		
72	25.7	17.9	26.9



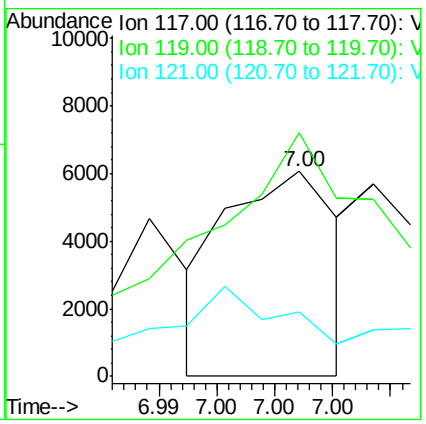


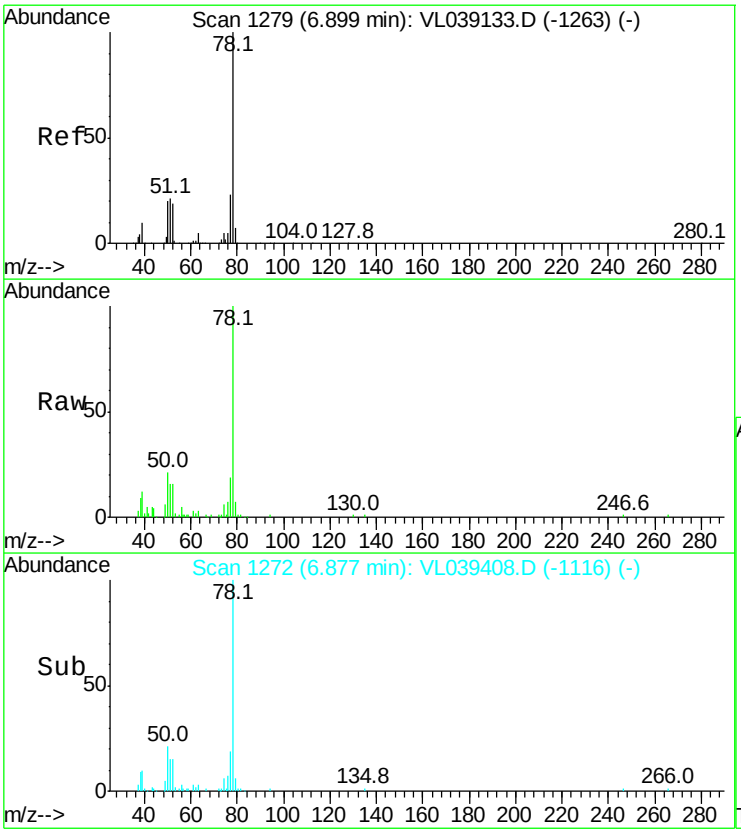
#35
Carbon Tetrachloride
Concen: 0.02 ppbv
RT: 7.00
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:117 Resp: 4047

Ion	Ratio	Lower	Upper
117	100		
119	109.5	75.4	113.2
121	31.9	24.2	36.2

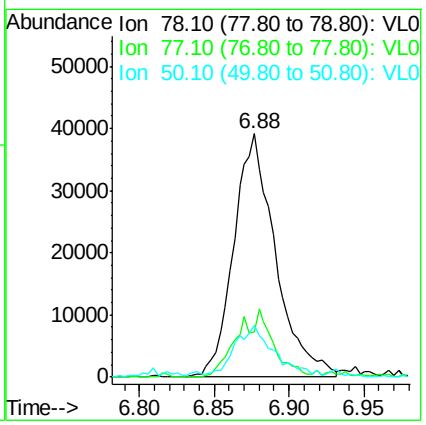


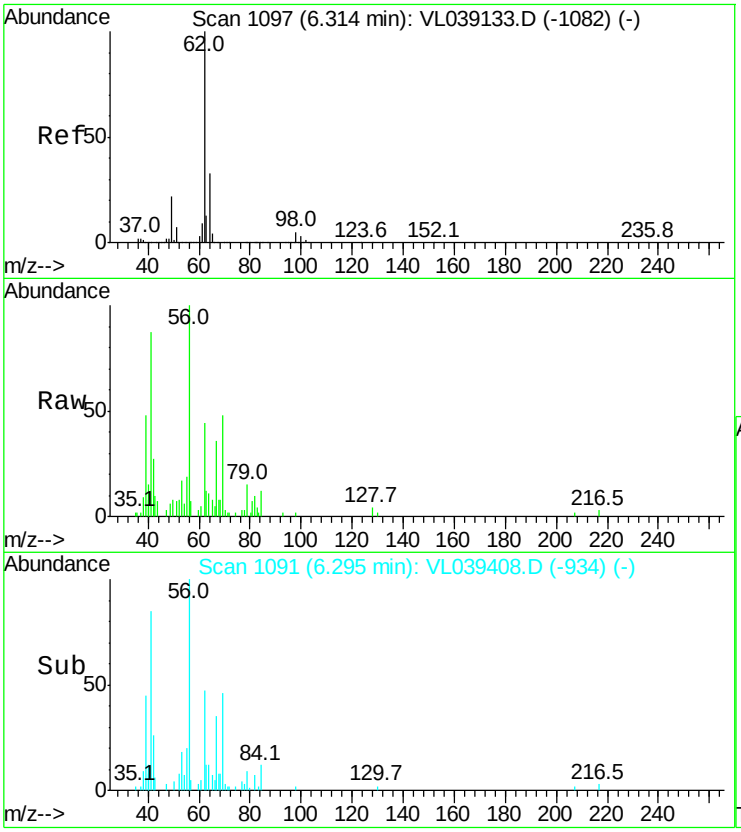


#36
Benzene
Concen: 0.33 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 78 Resp: 76154

Ion	Ratio	Lower	Upper
78	100		
77	18.8	20.3	30.5#
50	20.4	15.5	23.3



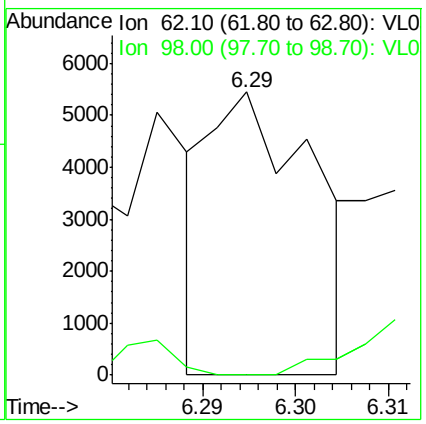


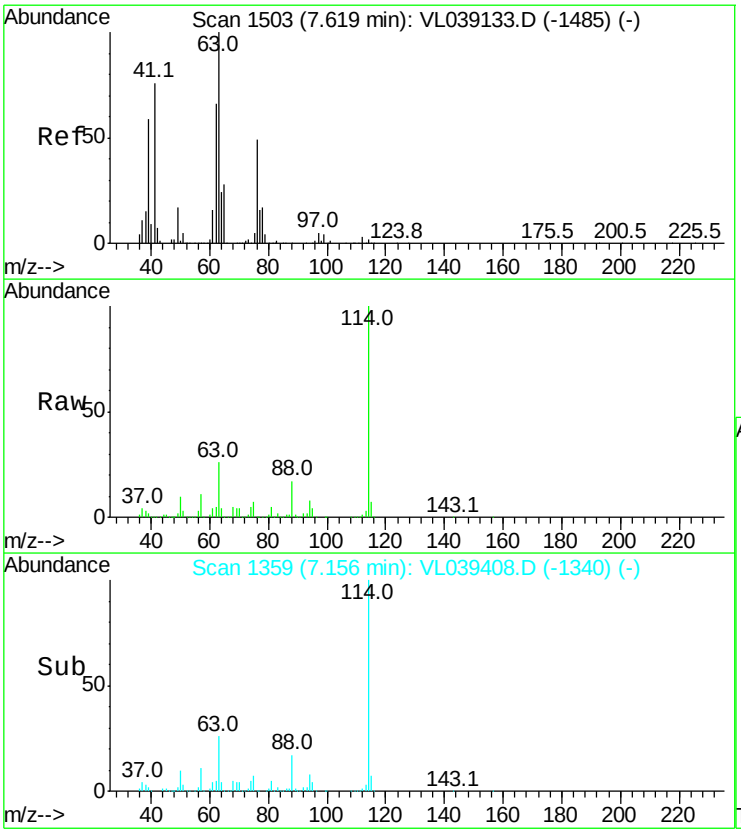
#37
1,2-Dichloroethane
Concen: 0.03 ppbv
RT: 6.29
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 62 Resp: 4243

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.1	7.7#

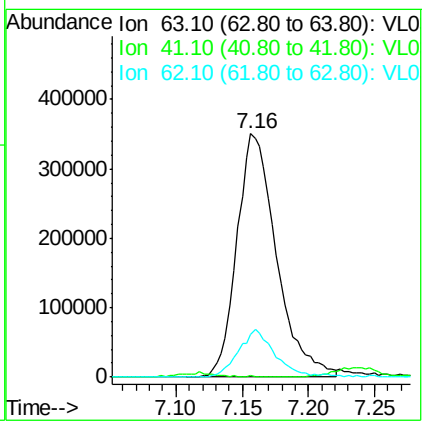


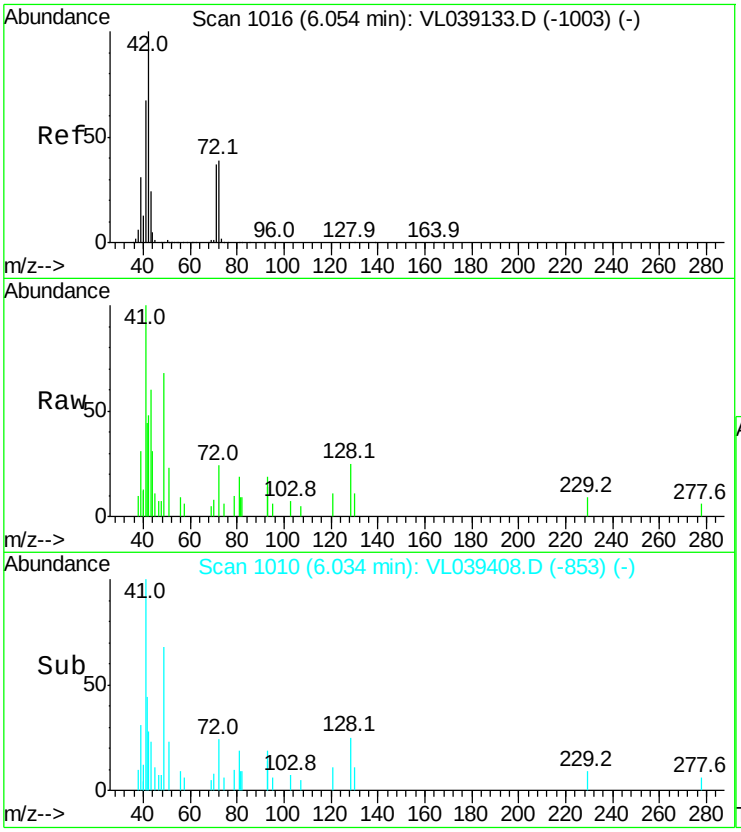


#39
1,2-Dichloropropane
Concen: 8.47 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.44 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 63 Resp: 731344

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	17.8	51.4	77.0#



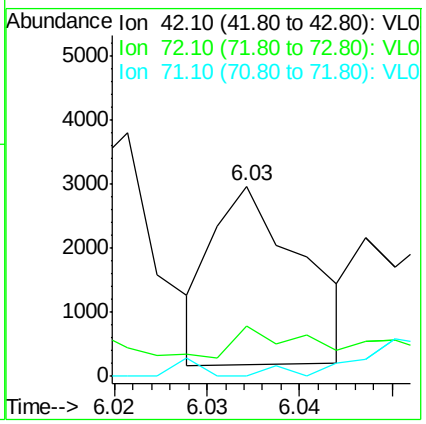


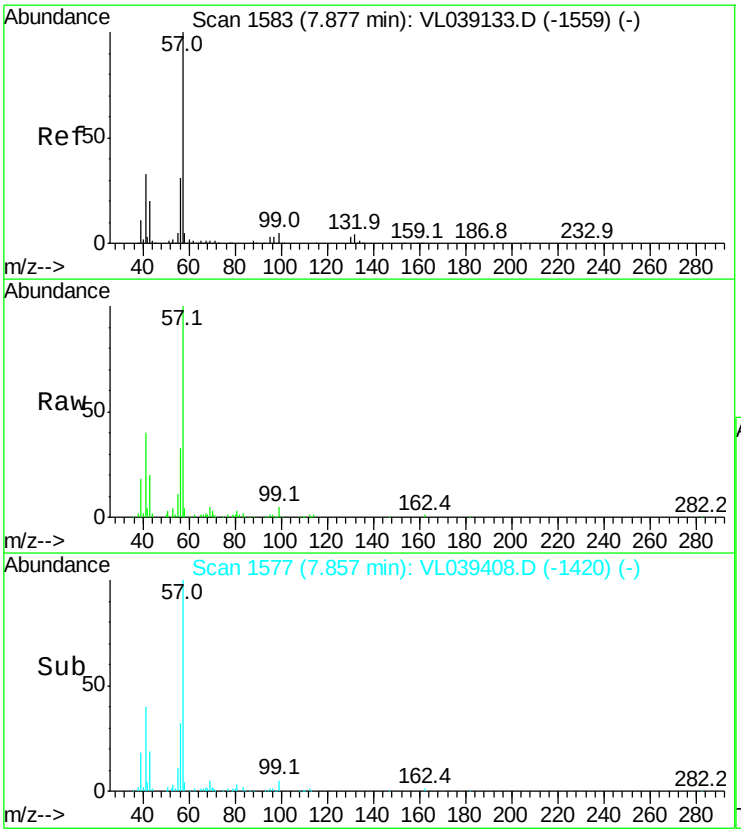
#41
Tetrahydrofuran
Concen: 0.02 ppbv
RT: 6.03
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 42 Resp: 1880

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	0.0	31.8	47.8#

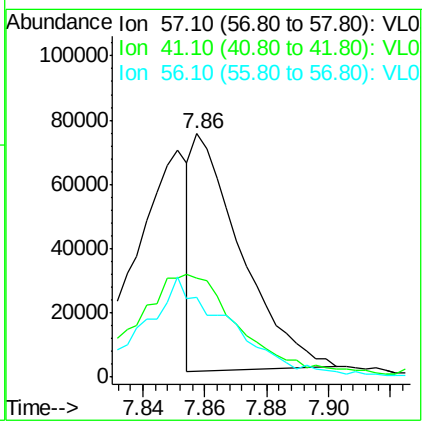


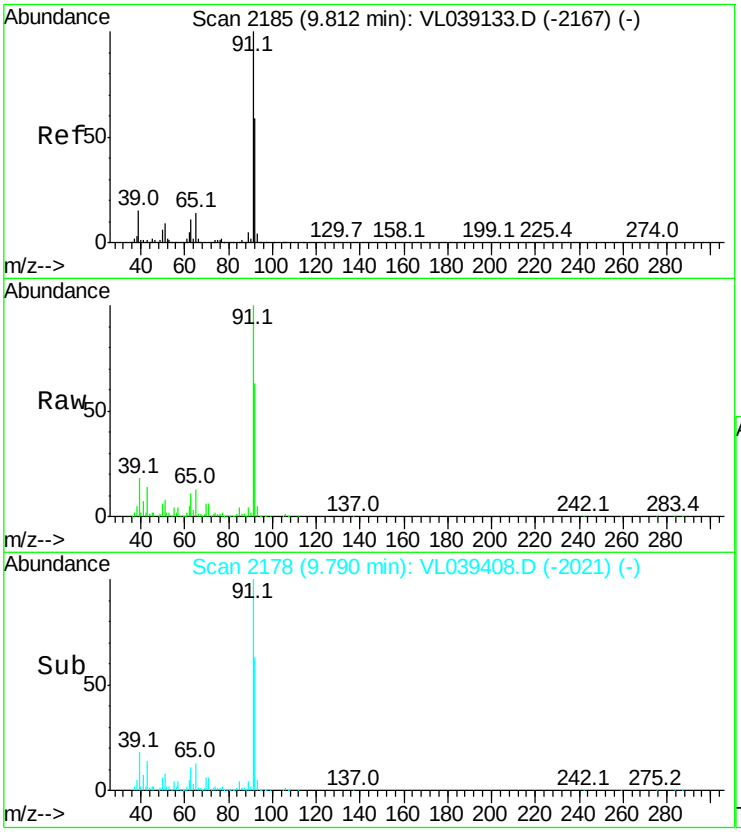


#44
2,2,4-Trimethylpentane
Concen: 0.20 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 57 Resp: 79899

Ion	Ratio	Lower	Upper
57	100		
41	97.9	27.4	41.2#
56	0.0	24.5	36.7#



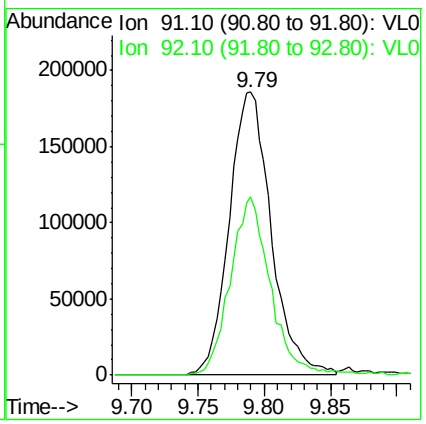


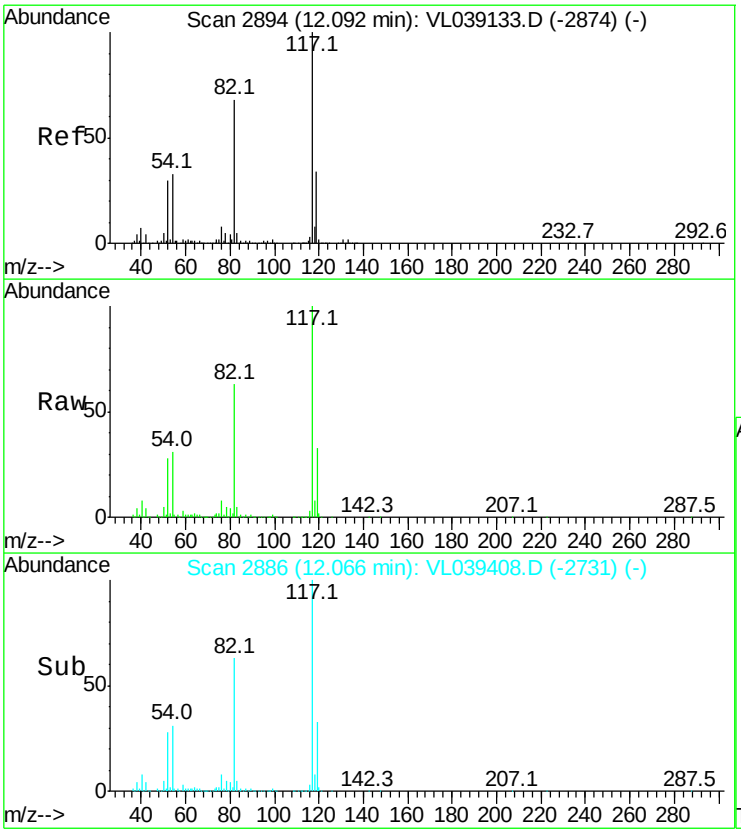
#53
Toluene
Concen: 1.53 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 407402

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.2	72.2

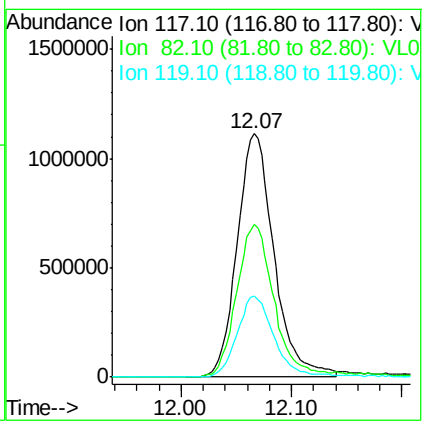


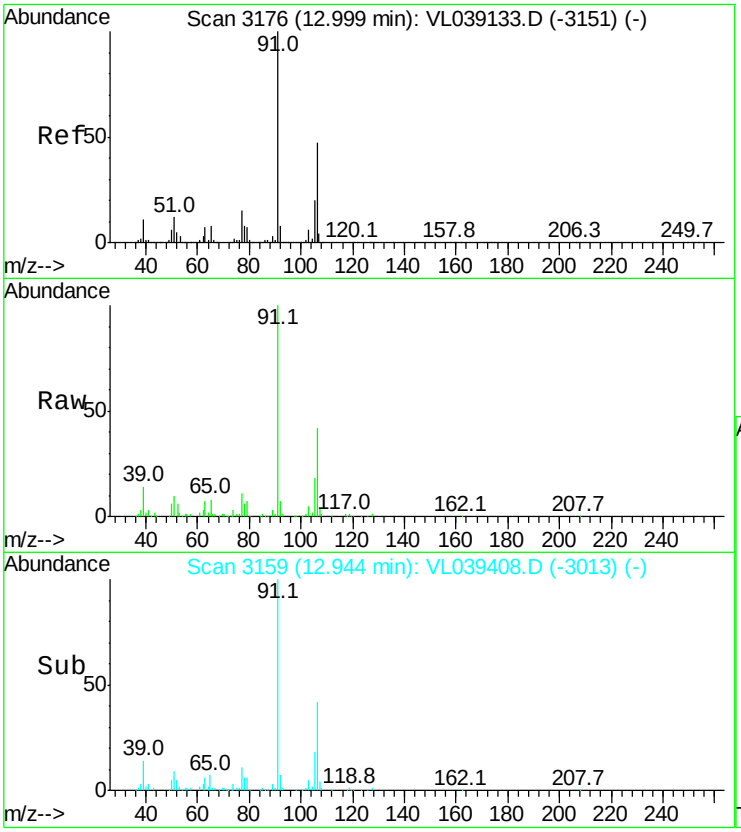


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion:117 Resp: 2583071

Ion	Ratio	Lower	Upper
117	100		
82	66.3	50.8	76.2
119	34.0	24.1	36.1



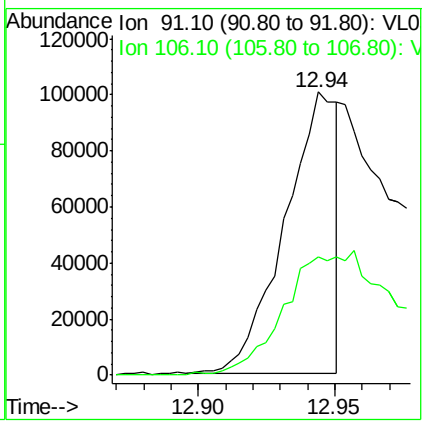


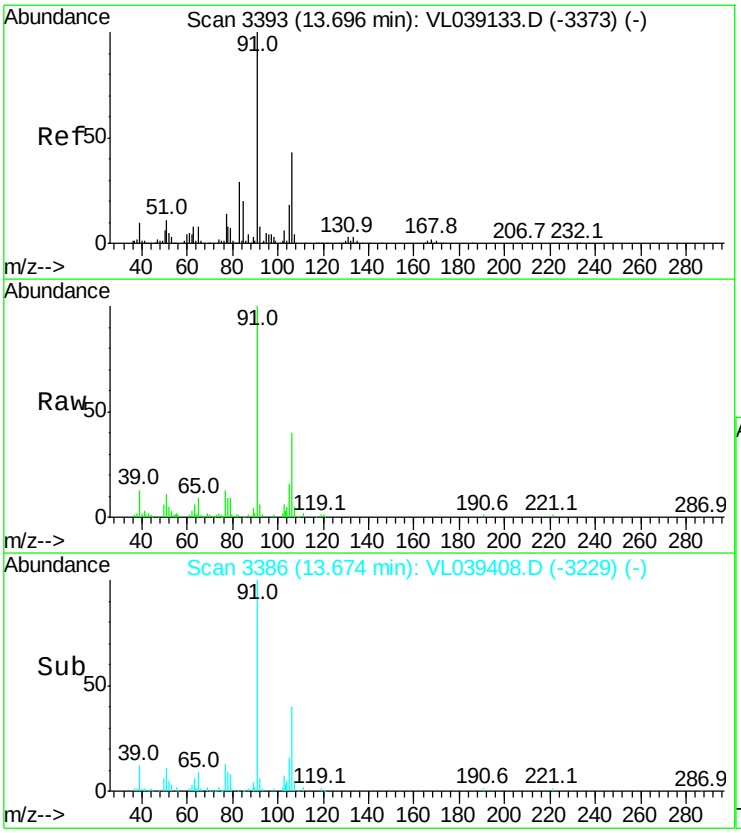
#59
m/p-Xylene
Concen: 0.45 ppbv
RT: 12.94
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 132719

Ion	Ratio	Lower	Upper
91	100		
106	108.5	35.4	53.2#

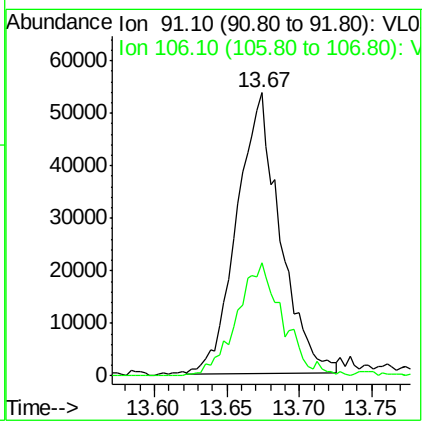


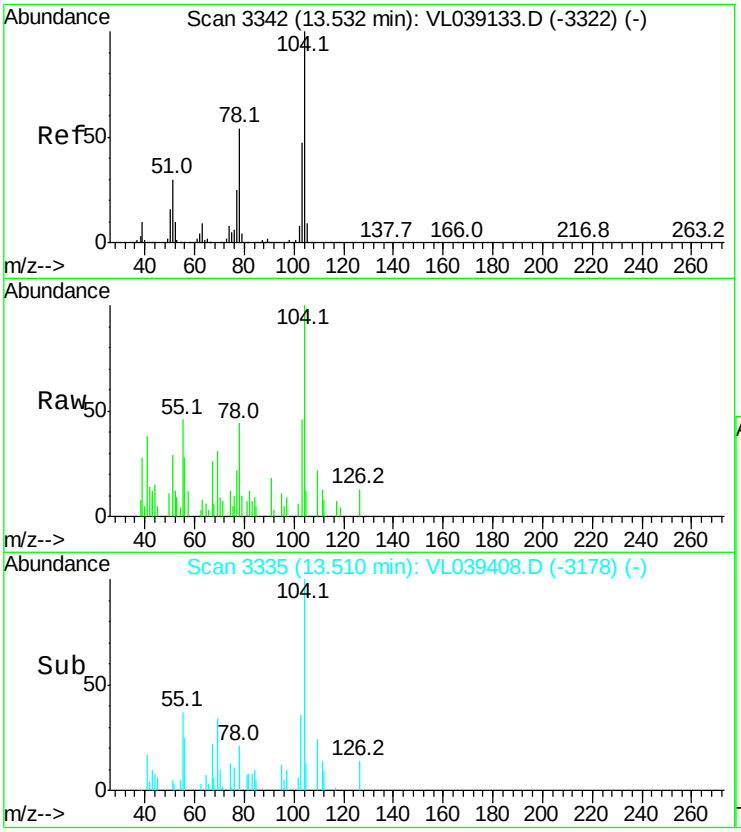


#60
o-Xylene
Concen: 0.40 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.01 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion: 91 Resp: 111915

Ion	Ratio	Lower	Upper
91	100		
106	42.6	22.4	67.3



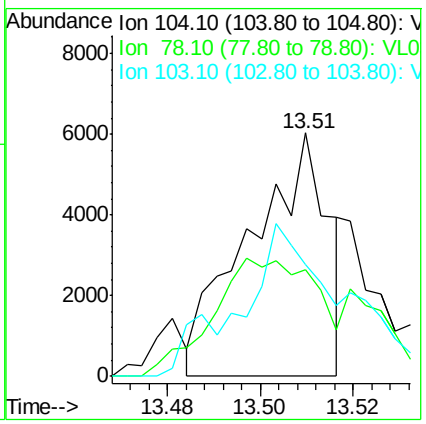


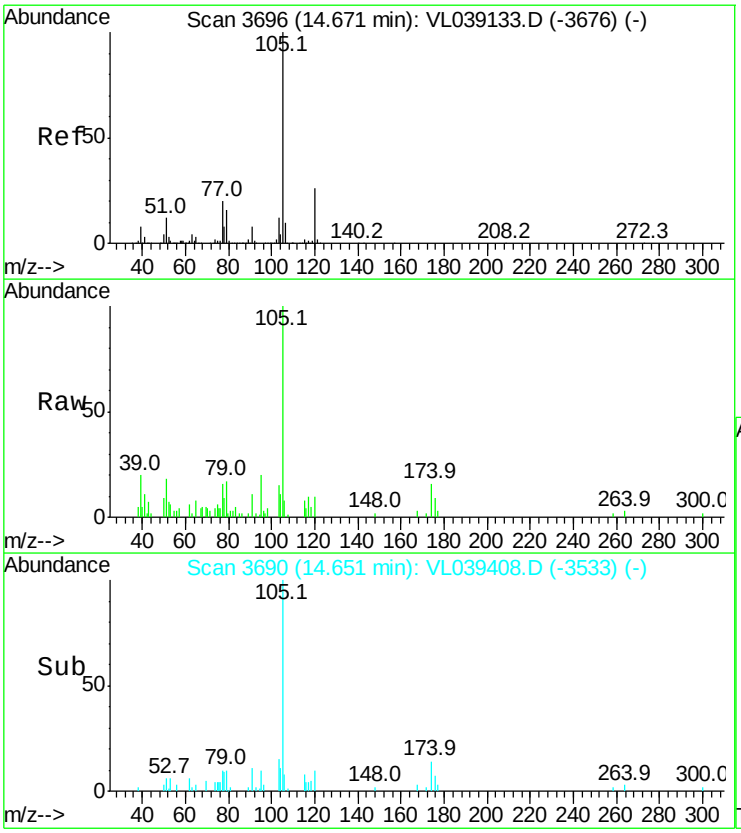
#61
Styrene
Concen: 0.05 ppbv
RT: 13.51
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:104 Resp: 7133

Ion	Ratio	Lower	Upper
104	100		
78	99.3	41.2	61.8#
103	99.7	38.7	58.1#

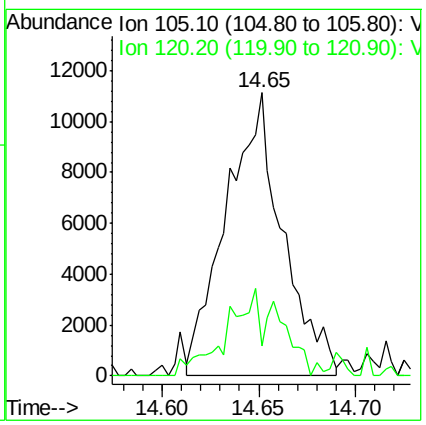


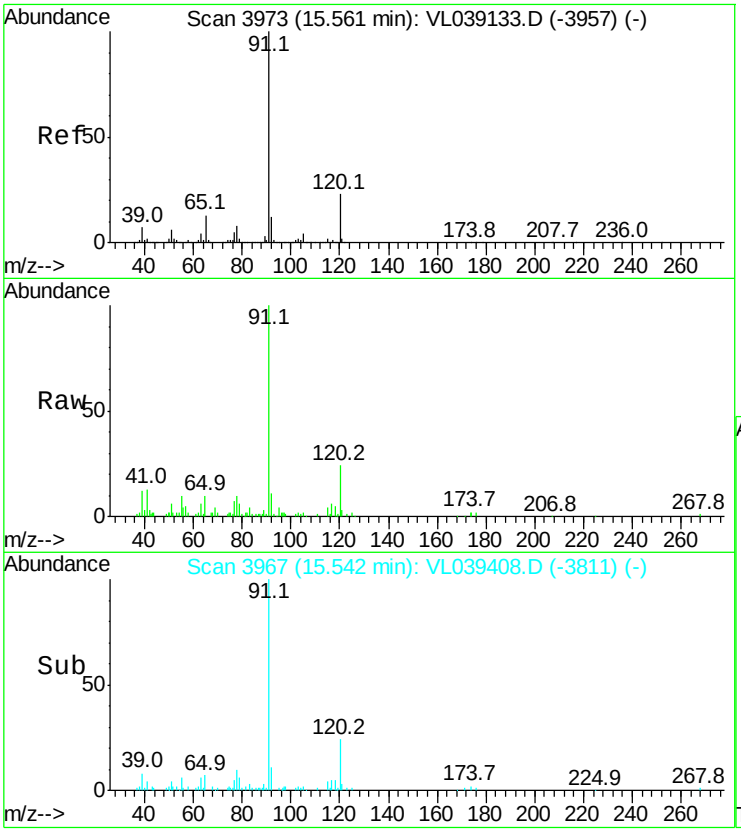


#62
Isopropylbenzene
Concen: 0.05 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.01 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion:105 Resp: 22764

Ion	Ratio	Lower	Upper
105	100		
120	29.2	20.7	31.1



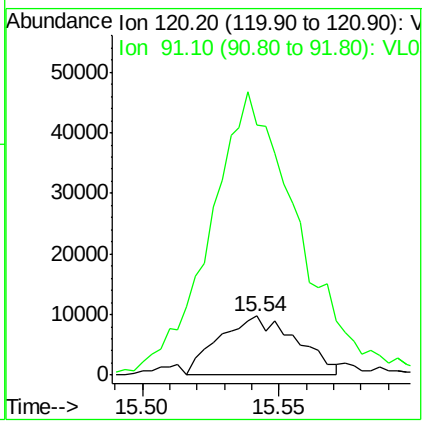


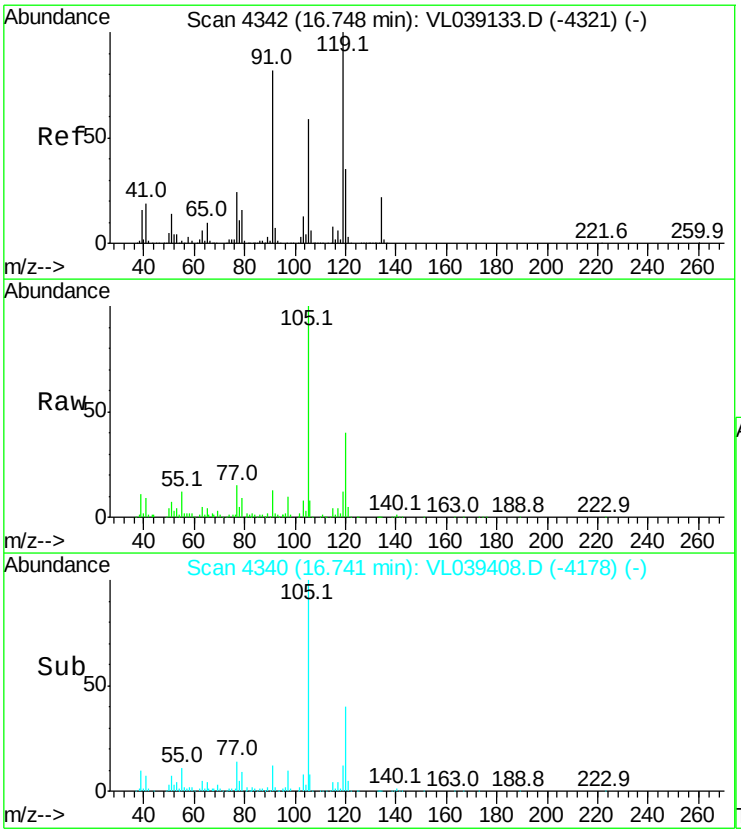
#64
n-propylbenzene
Concen: 0.18 ppbv
RT: 15.54
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:120 Resp: 19328

Ion	Ratio	Lower	Upper
120	100		
91	538.6	367.2	550.8

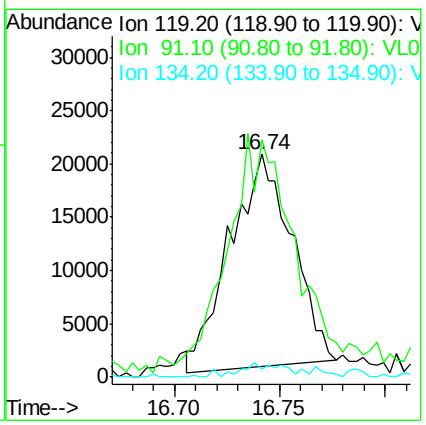


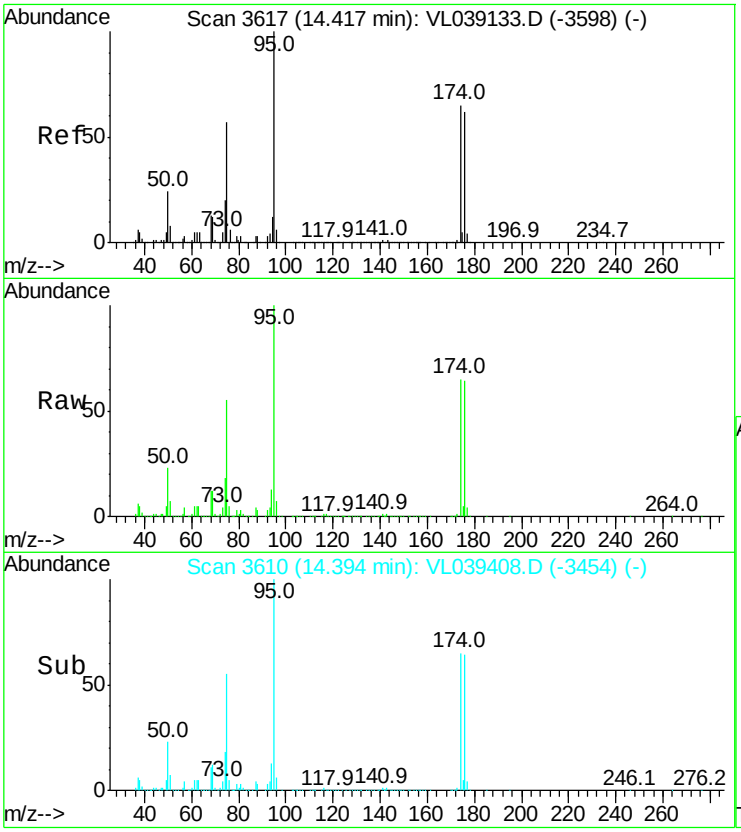


#65
tert-Butylbenzene
Concen: 0.10 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. 0.02 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion:119 Resp: 40982

Ion	Ratio	Lower	Upper
119	100		
91	139.9	63.4	95.2#
134	4.7	15.9	23.9#



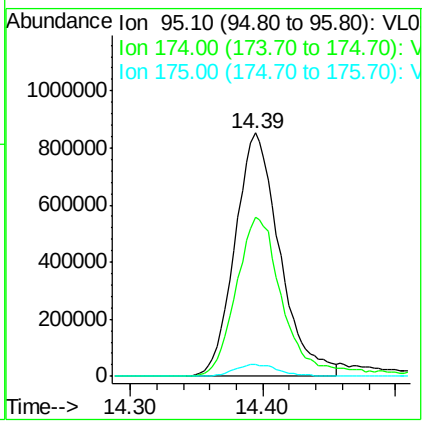


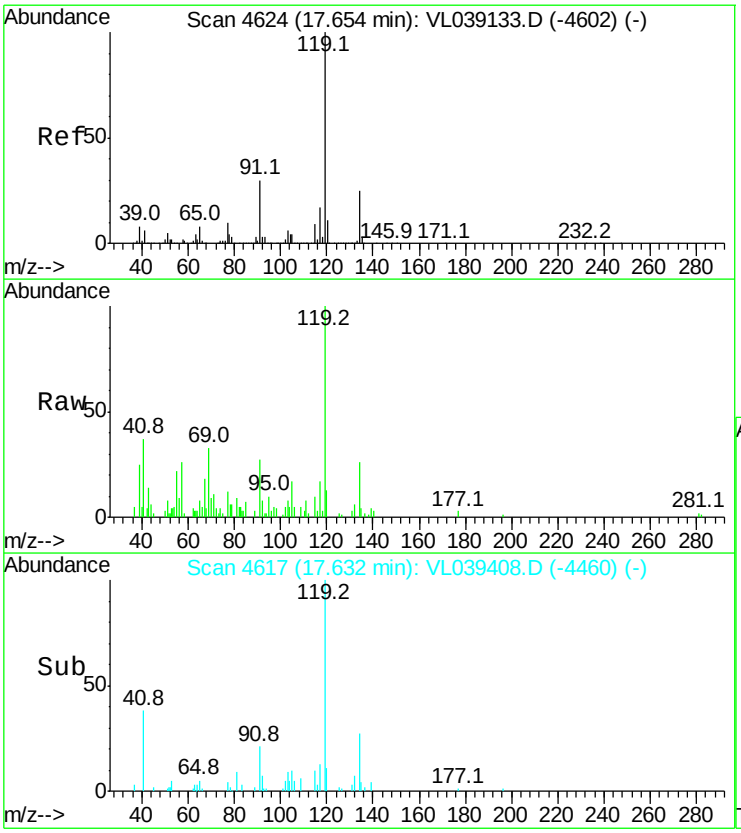
#68
1-Bromo-4-Fluorobenzene
Concen: 10.45 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 95 Resp: 2001562

Ion	Ratio	Lower	Upper
95	100		
174	71.3	55.9	83.9
175	5.3	4.2	6.4

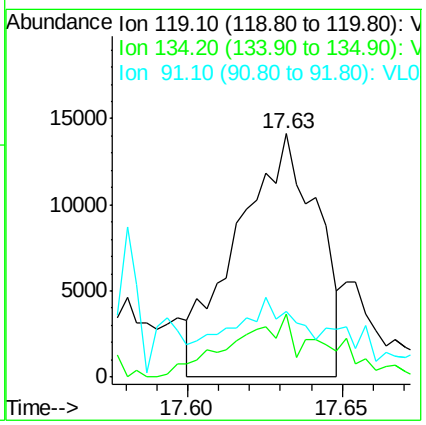


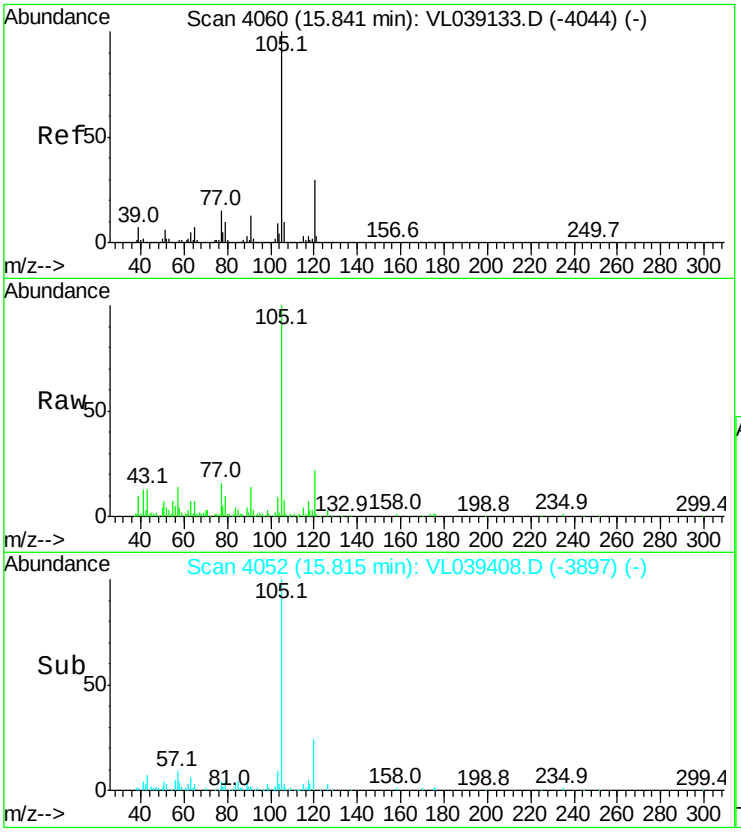


#69
p-Isopropyltoluene
Concen: 0.06 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. 0.01 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion:119 Resp: 25340

Ion	Ratio	Lower	Upper
119	100		
134	30.9	20.3	30.5#
91	51.2	22.9	34.3#



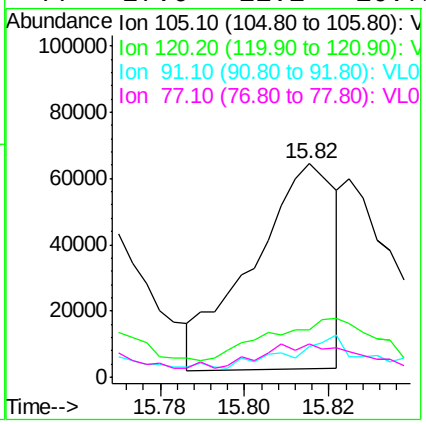


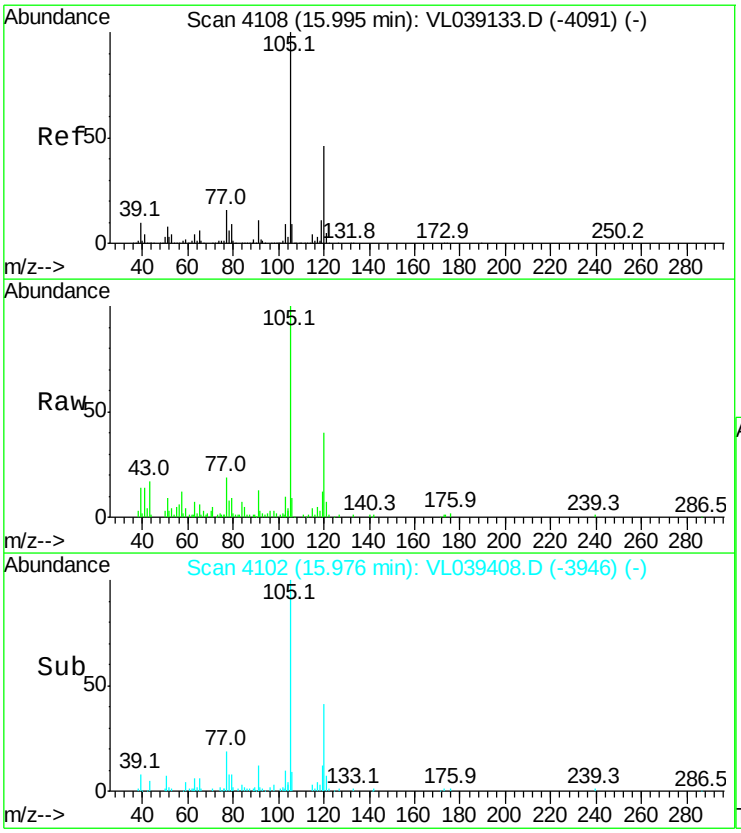
#72
4-Ethyltoluene
Concen: 0.26 ppbv
RT: 15.82
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:105 Resp: 84099

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.2	36.2#
91	0.0	10.2	15.4#
77	27.6	11.1	16.7#

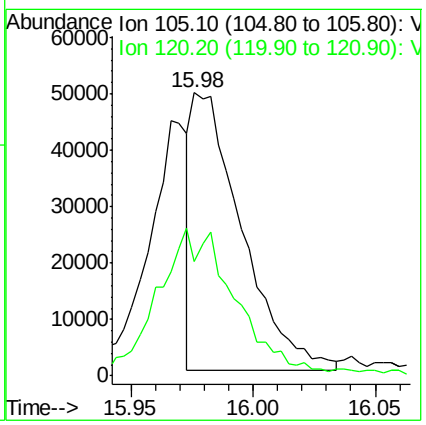


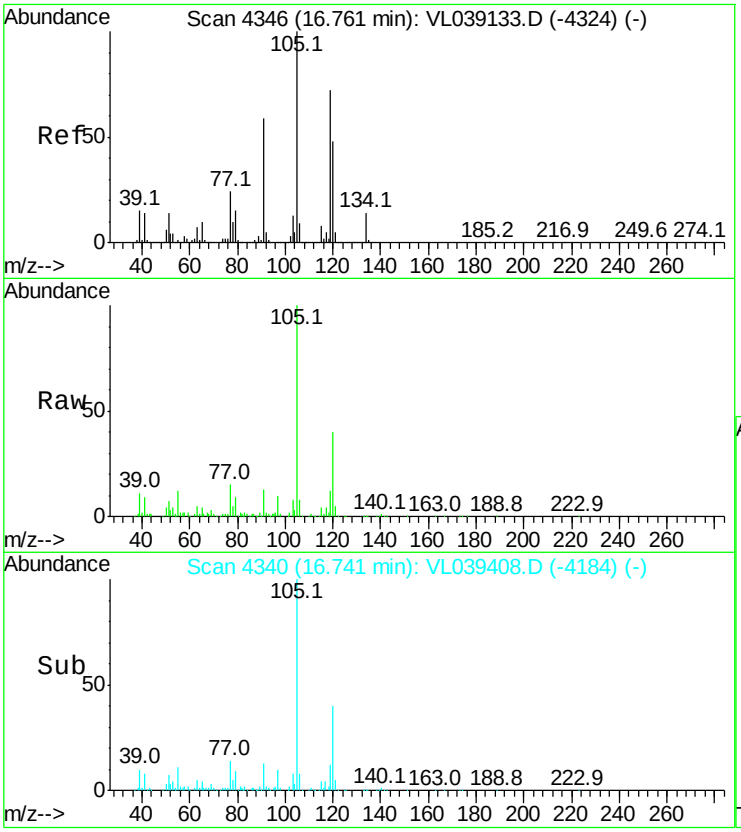


#73
1,3,5-Trimethylbenzene
Concen: 0.23 ppbv
RT: 15.98 min Scan# 4102
Delta R.T. 0.00 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion:105 Resp: 69790

Ion	Ratio	Lower	Upper
105	100		
120	40.2	38.2	57.4



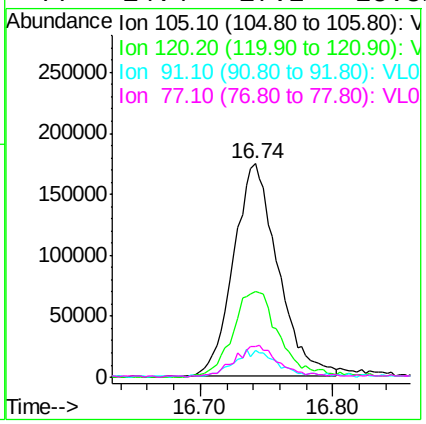


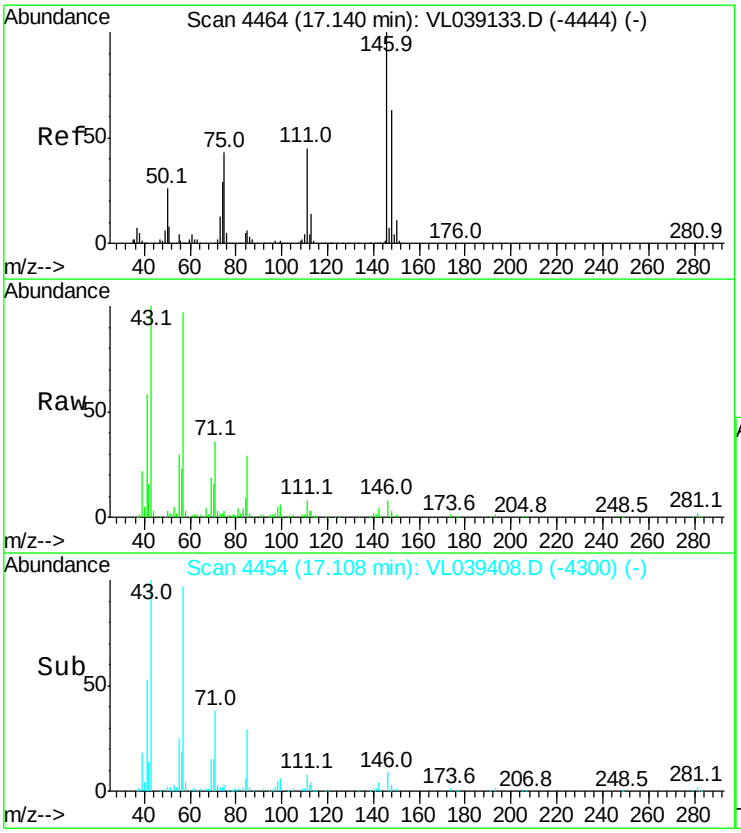
#74
1,2,4-Trimethylbenzene
Concen: 1.22 ppbv
RT: 16.74
Delta R.T
Lab File:
Acq: 29 Jun 2022 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:105 Resp: 404906

Ion	Ratio	Lower	Upper
105	100		
120	40.2	39.5	59.3
91	12.5	39.2	58.8#
77	14.4	17.2	25.8#





#76
1,4-Dichlorobenzene
Concen: 0.04 ppbv
RT: 17.11 min Scan# 4454
Delta R.T. -0.00 min
Lab File: VL039408.D
Acq: 29 Jun 2022 23:03

Tgt Ion:146 Resp: 7923

Ion	Ratio	Lower	Upper
146	100		
111	281.2	22.9	68.8#
148	0.0	33.6	100.8#