Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
Data File : VL039411.D
Acq On : 30 Jun 2022 1:07
Operator : SY/AP
Sample : N3530-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1

Quant Time: Jun 30 05:44:40 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	1076744	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	2989754	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2602693	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1994658	10.33	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	56460	0.36	ppbv		98
3) Chlorodifluoromethane	2.99	51	80154	0.59	ppbv	#	83
4) Chloromethane	3.14	50	34345	0.46	ppbv		95
9) Propene	3.20	41	67417	1.09	ppbv		86
10) Heptane	8.11	43	7956	0.06	ppbv	#	60
11) Trichlorofluoromethane	3.95	101	41928	0.24	ppbv		85
13) Ethanol	3.59	45	105634	29.51	ppbv		97
15) Acetone	3.84	43	611039	4.80	ppbv		99
16) 1,3-Butadiene	3.32	39	2081	0.03	ppbv	#	1
19) Isopropyl Alcohol	3.96	45	72489	1.07	ppbv	#	90
20) Methylene Chloride	4.34	84	82601	1.63	ppbv	#	80
23) Vinyl Acetate	5.06	43	4409	0.05	ppbv	#	53
25) Ethyl Acetate	5.67	43	108208	0.41	ppbv	#	96
26) Hexane	5.67	57	34775	0.33	ppbv	#	32
31) cis-1,2-Dichloroethene	5.66	61	5595	0.05	ppbv	#	37
34) 2-Butanone	5.24	43	43135	0.29	ppbv	#	82
35) Carbon Tetrachloride	7.00	117	8465	0.05	ppbv	#	45
36) Benzene	6.88	78	44691	0.19	ppbv	#	91
39) 1,2-Dichloropropane	7.16	63	747155	8.64	ppbv	#	26
44) 2,2,4-Trimethylpentane	7.85	57	45188	0.12	ppbv	#	63
53) Toluene	9.79	91	210059	0.79	ppbv		97
58) Ethyl Benzene	12.69	91	10531	0.03	ppbv		91
59) m/p-Xylene	12.98	91	27382	0.09	ppbv	#	32
60) o-Xylene	13.67	91	17364	0.06	ppbv	#	31
76) 1,4-Dichlorobenzene	17.11	146	4114	0.02	ppbv	#	1

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

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Quant Time: Jun 30 05:44:40 2022
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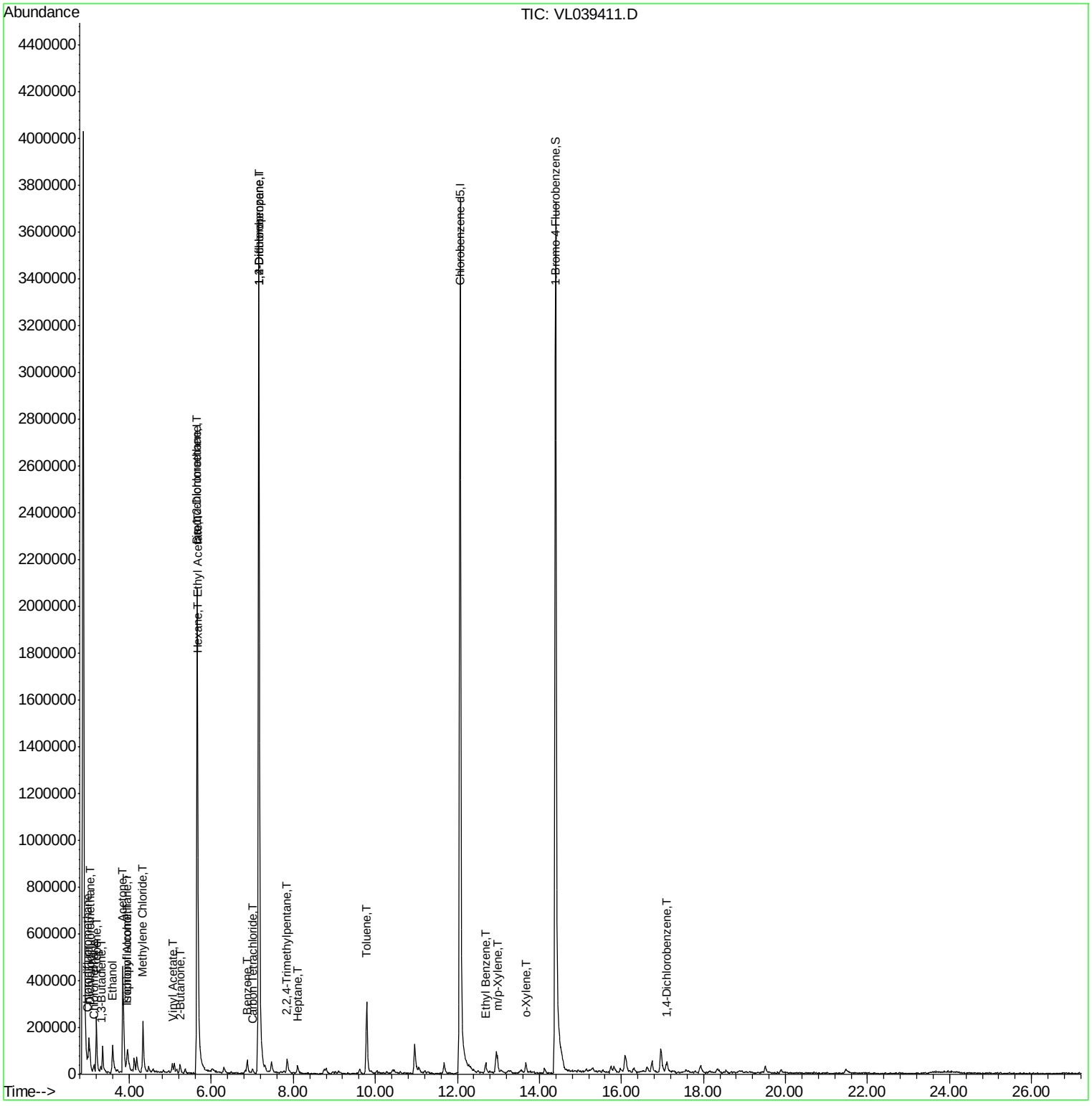
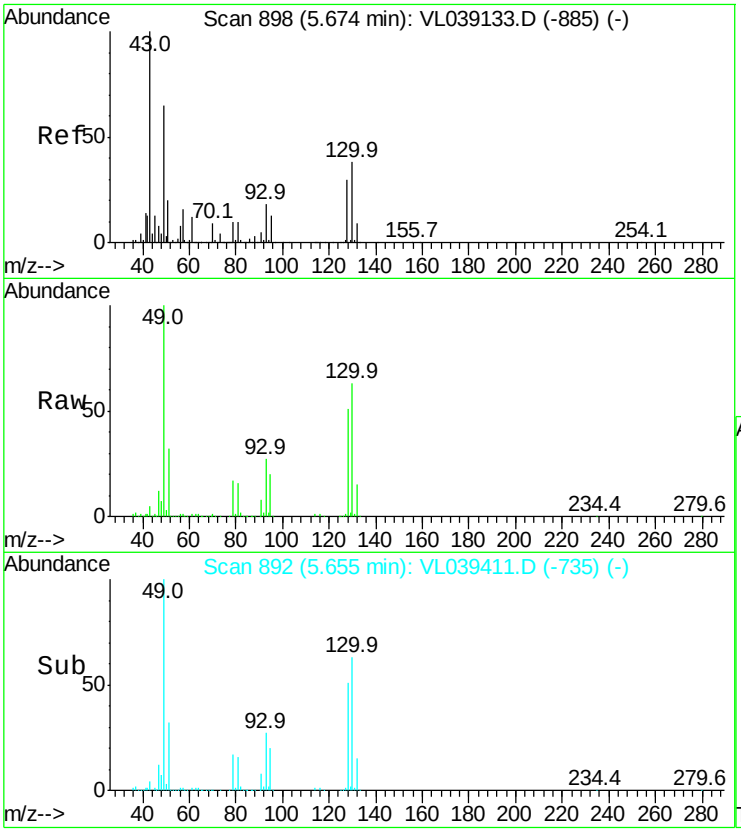


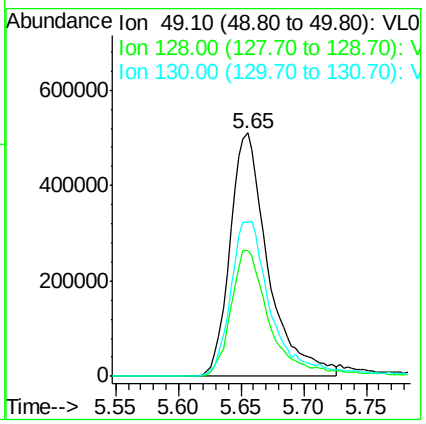


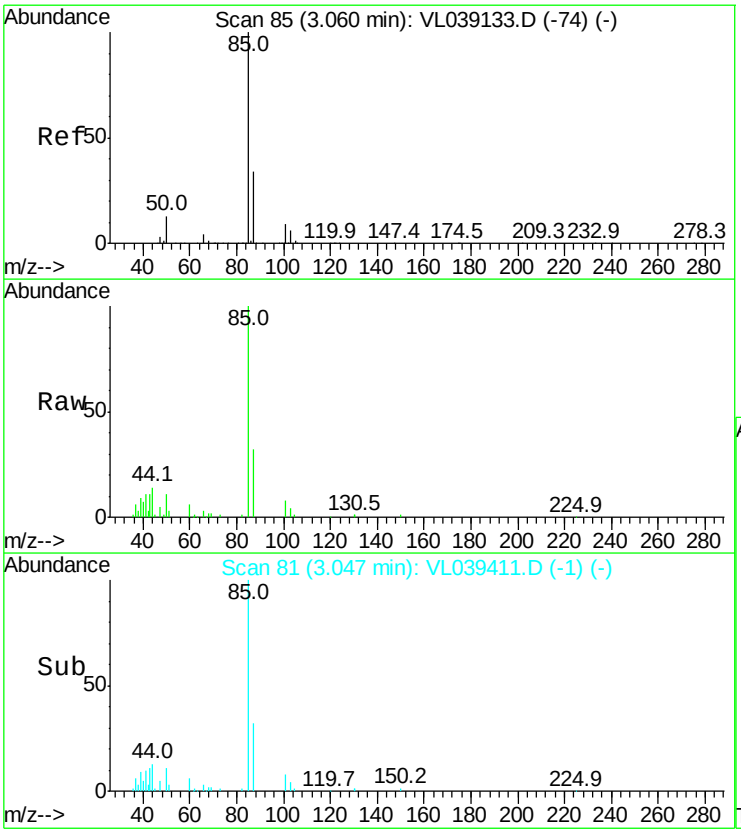
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 1076744

Ion	Ratio	Lower	Upper
49	100		
128	54.0	26.7	80.0
130	69.4	34.3	102.8

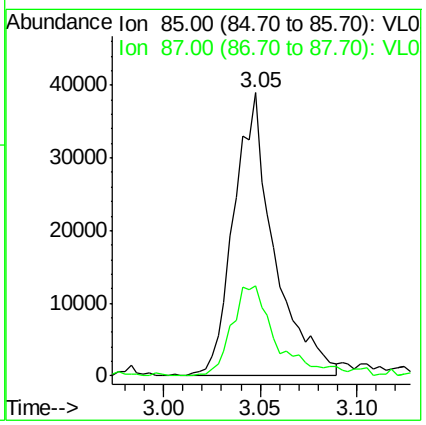


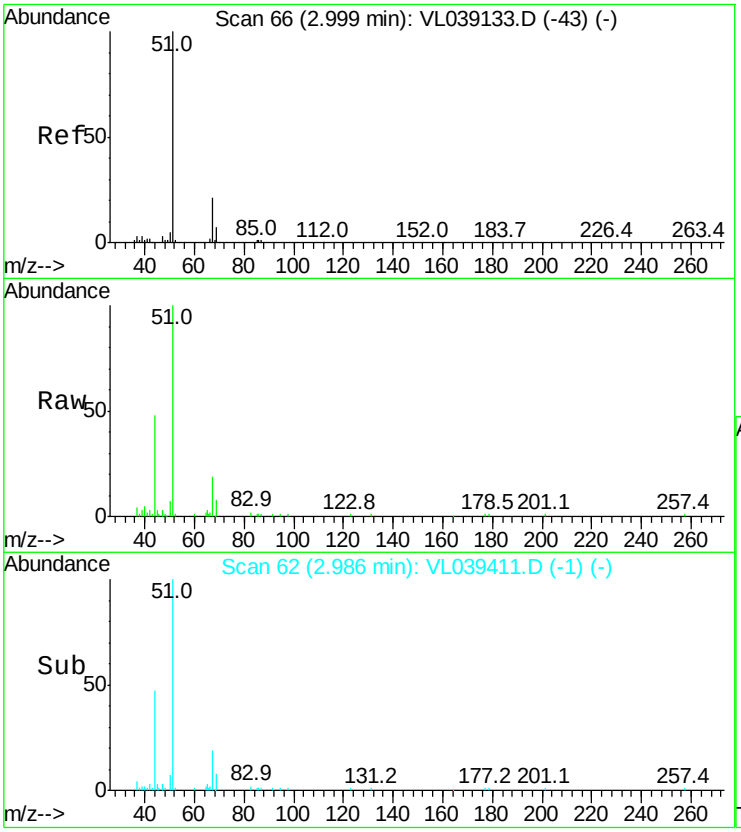


#2
Dichlorodifluoromethane
Concen: 0.36 ppbv
RT: 3.05 min Scan# 81
Delta R.T. 0.01 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 85 Resp: 56460

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.7	40.1



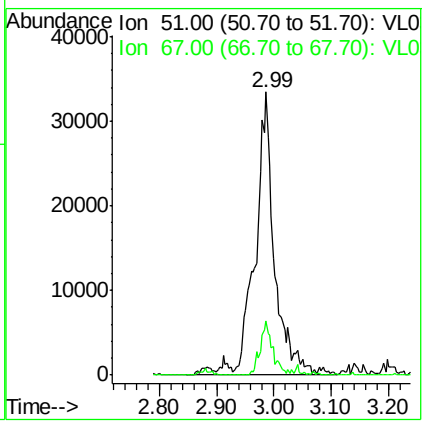


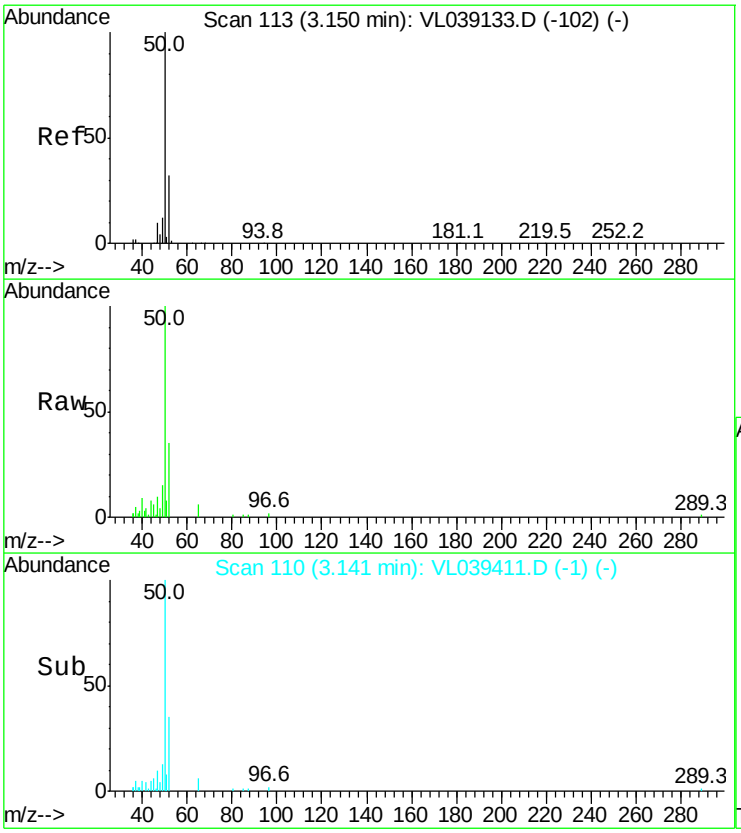
#3
Chlorodifluoromethane
Concen: 0.59 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 80154

Ion	Ratio	Lower	Upper
51	100		
67	11.8	15.7	23.5#

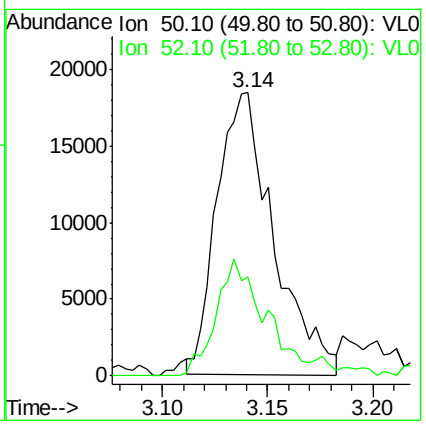


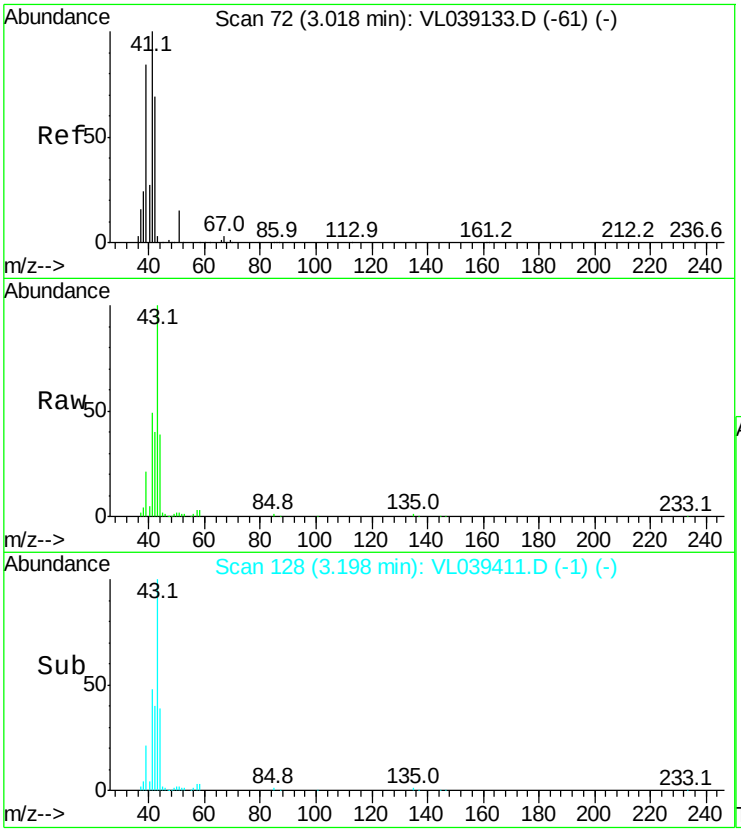


#4
Chloromethane
Concen: 0.46 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 50 Resp: 34345

Ion	Ratio	Lower	Upper
50	100		
52	35.8	26.5	39.7



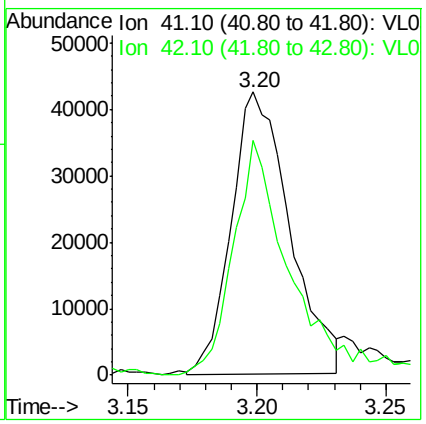


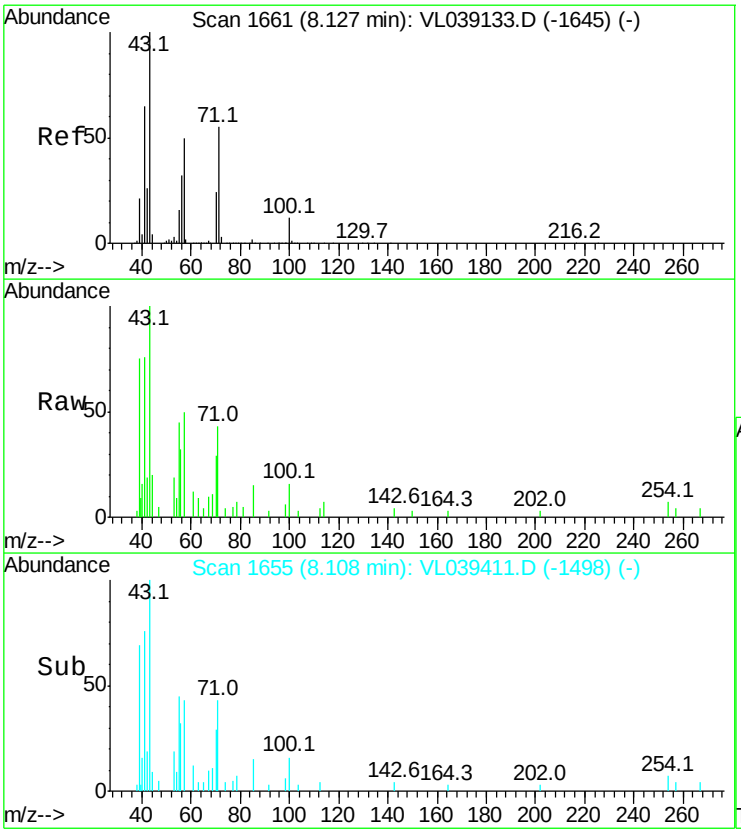
#9
Propene
Concen: 1.09 ppbv
RT: 3.20
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 67417

Ion	Ratio	Lower	Upper
41	100		
42	80.3	55.2	82.8

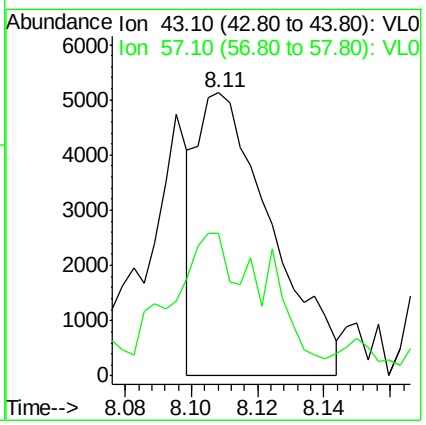


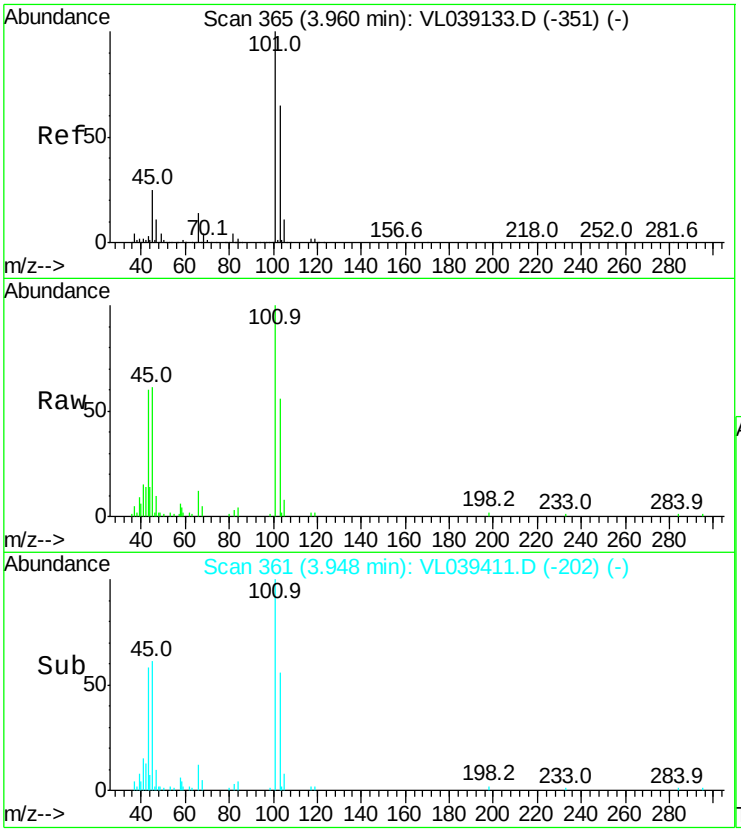


#10
Heptane
Concen: 0.06 ppbv
RT: 8.11 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 43 Resp: 7956

Ion	Ratio	Lower	Upper
43	100		
57	78.1	40.5	60.7#



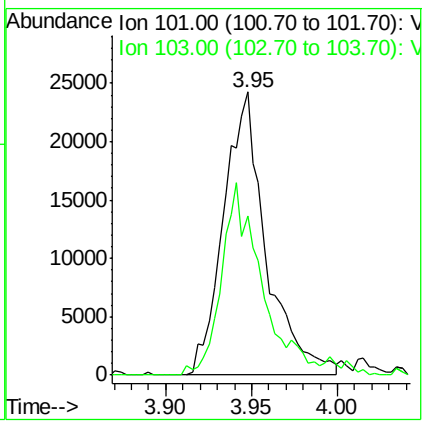


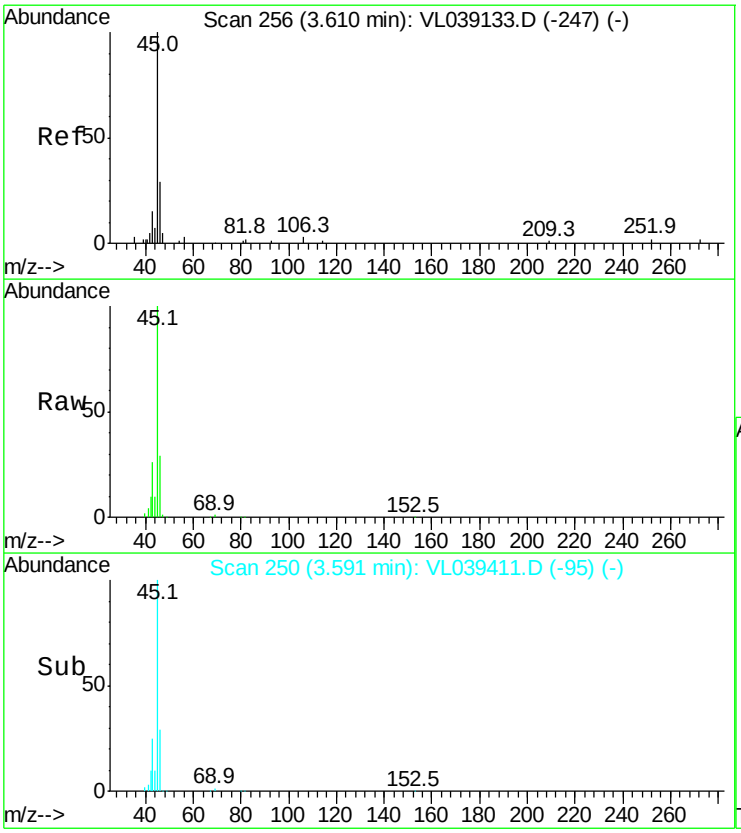
#11
Trichlorofluoromethane
Concen: 0.24 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 41928

Ion	Ratio	Lower	Upper
101	100		
103	52.8	51.8	77.8

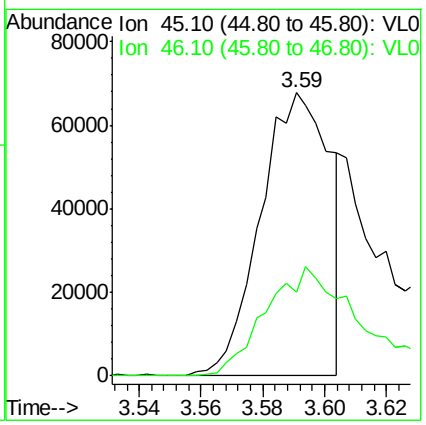


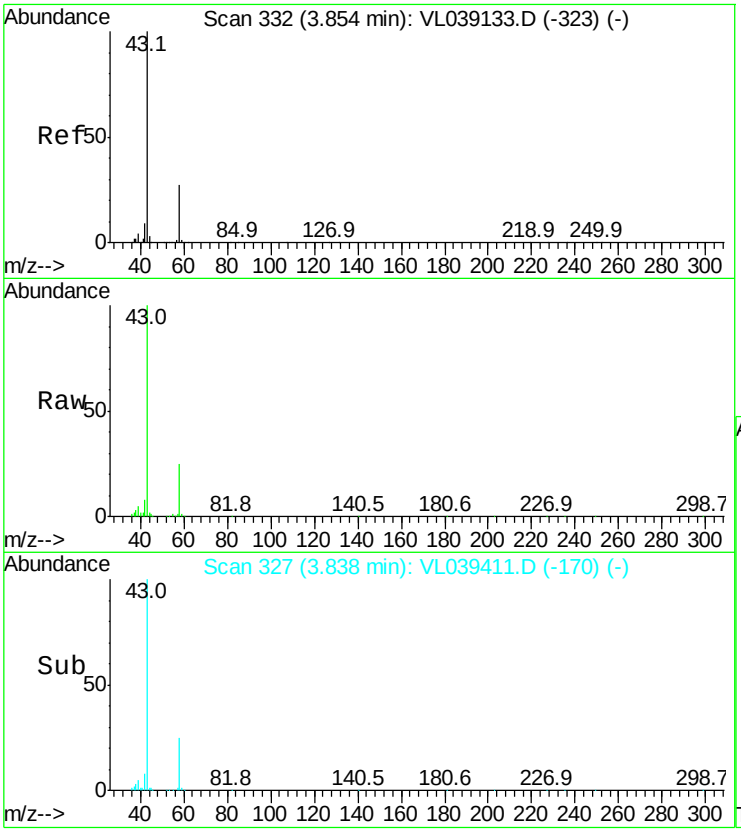


#13
Ethanol
Concen: 29.51 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.00 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 45 Resp: 105634

Ion	Ratio	Lower	Upper
45	100		
46	59.1	22.8	91.2



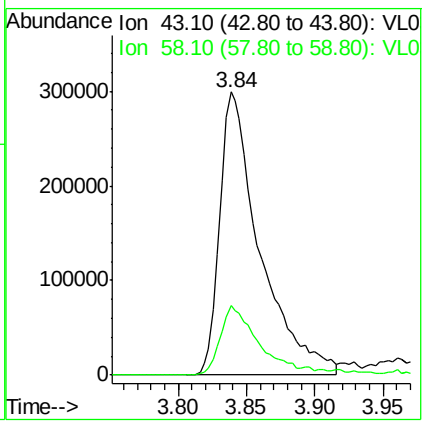


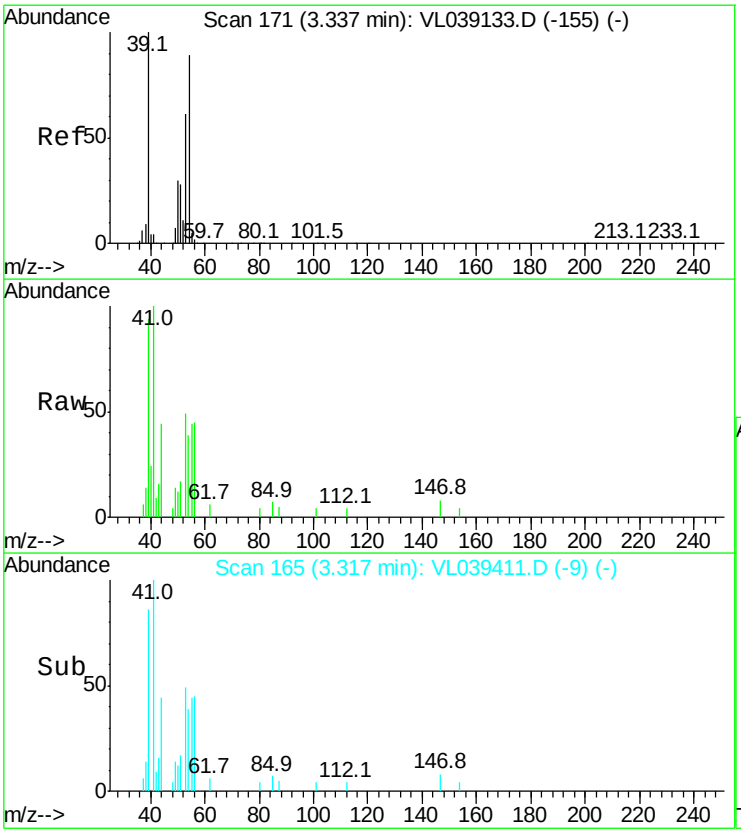
#15
Acetone
Concen: 4.80 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 611039

Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.0	31.6

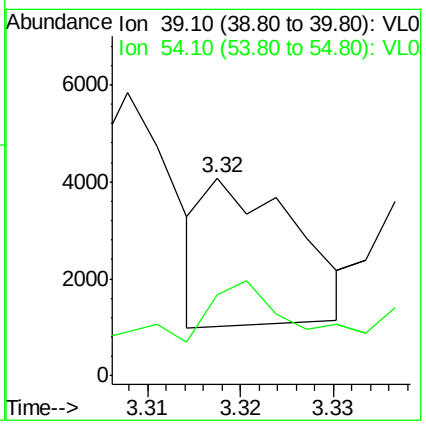


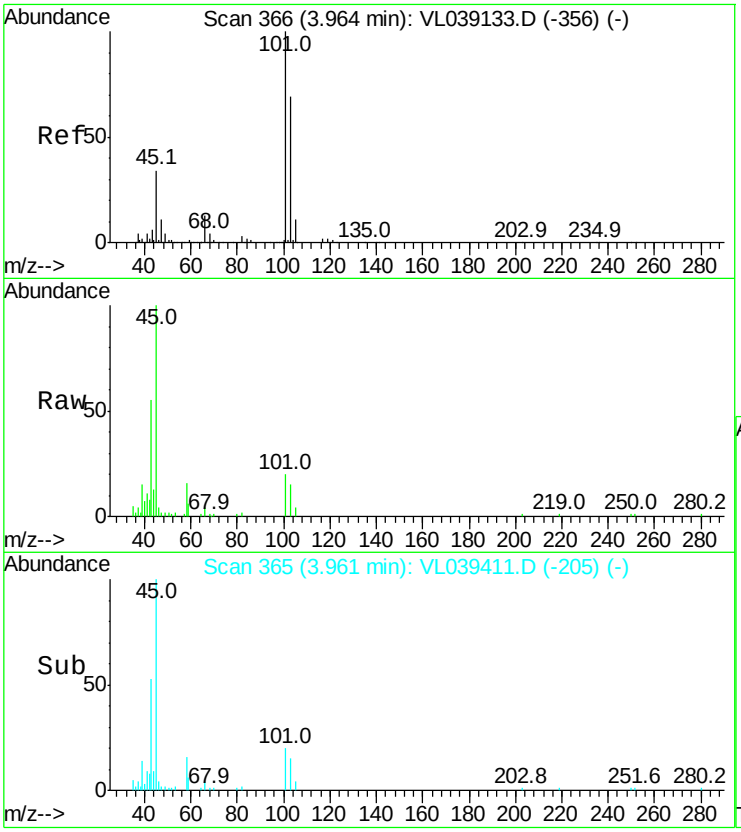


#16
1,3-Butadiene
Concen: 0.03 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.00 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 39 Resp: 2081

Ion	Ratio	Lower	Upper
39	100		
54	190.9	63.7	95.5#



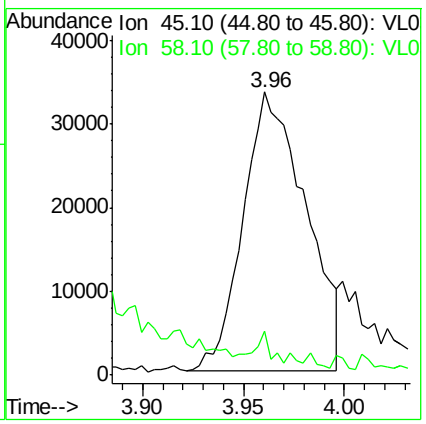


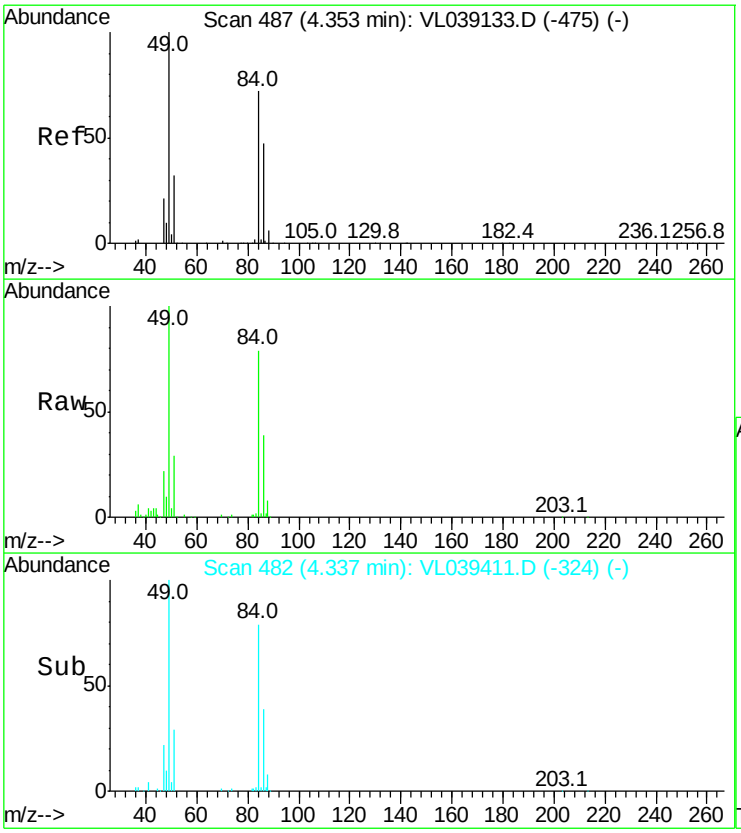
#19
Isopropyl Alcohol
Concen: 1.07 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 72489

Ion	Ratio	Lower	Upper
45	100		
58	7.3	3.2	4.8#

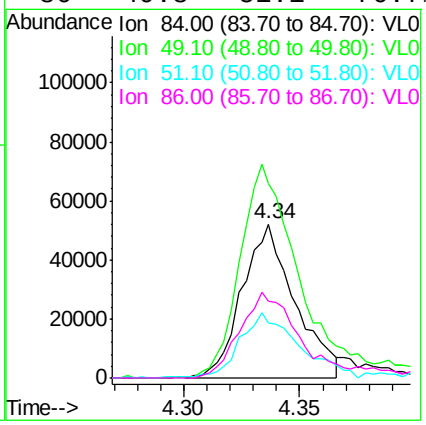


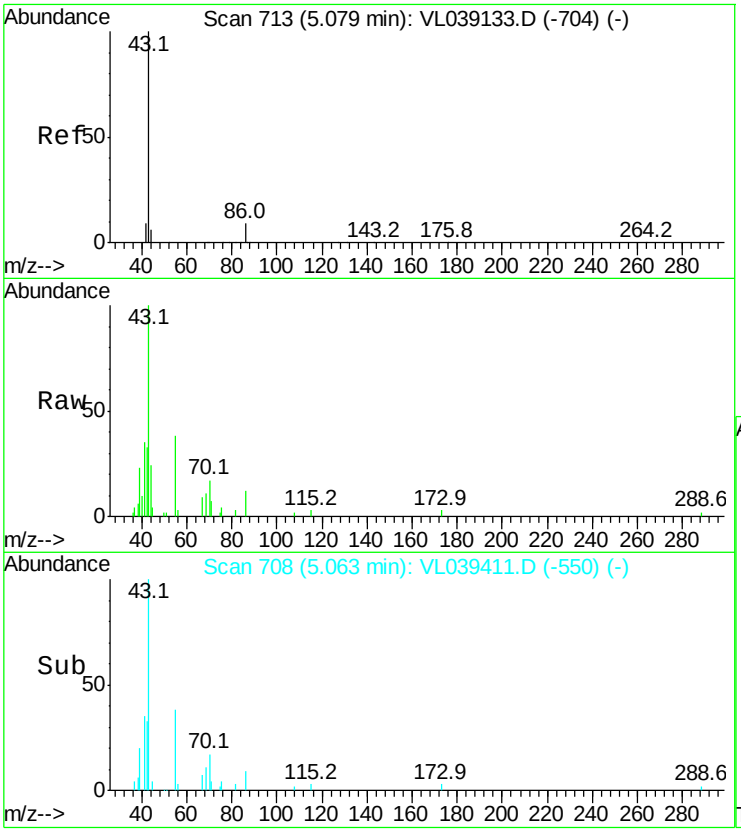


#20
Methylene Chloride
Concen: 1.63 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 84 Resp: 82601

Ion	Ratio	Lower	Upper
84	100		
49	125.4	123.1	184.7
51	34.9	34.4	51.6
86	49.8	51.1	76.7#



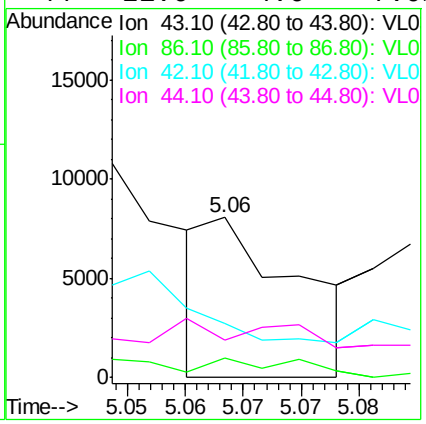


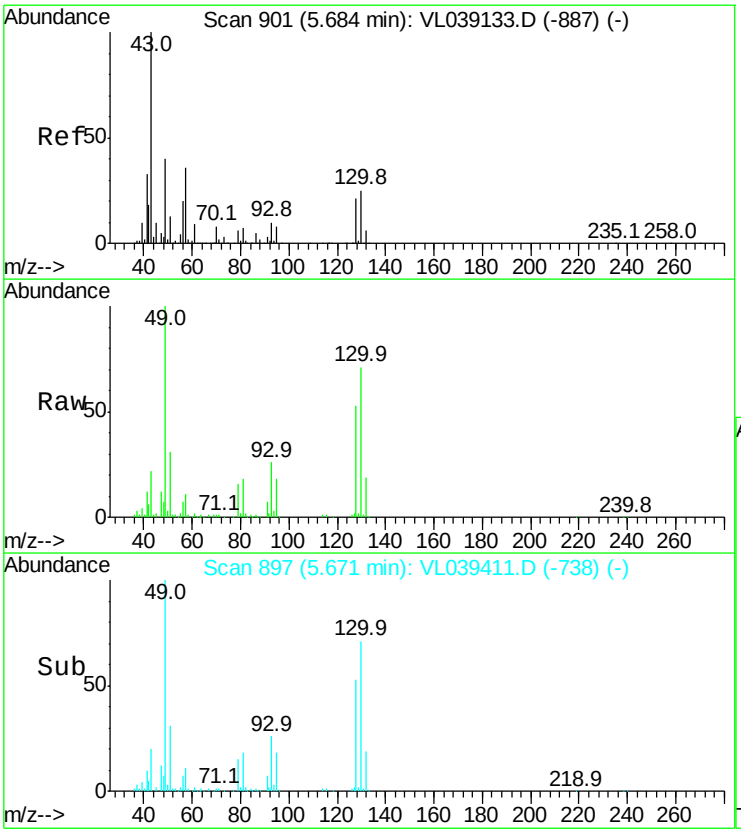
#23
Vinyl Acetate
Concen: 0.05 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 4409

Ion	Ratio	Lower	Upper
43	100		
86	20.0	5.0	7.6#
42	28.1	7.7	11.5#
44	21.6	4.6	7.0#

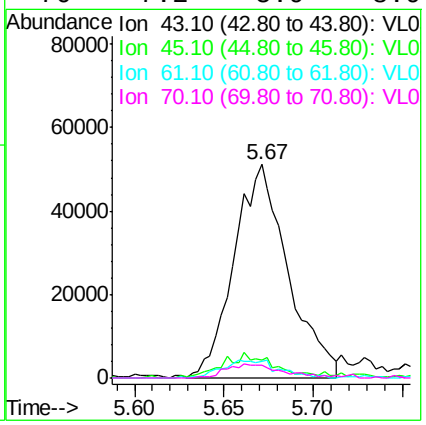


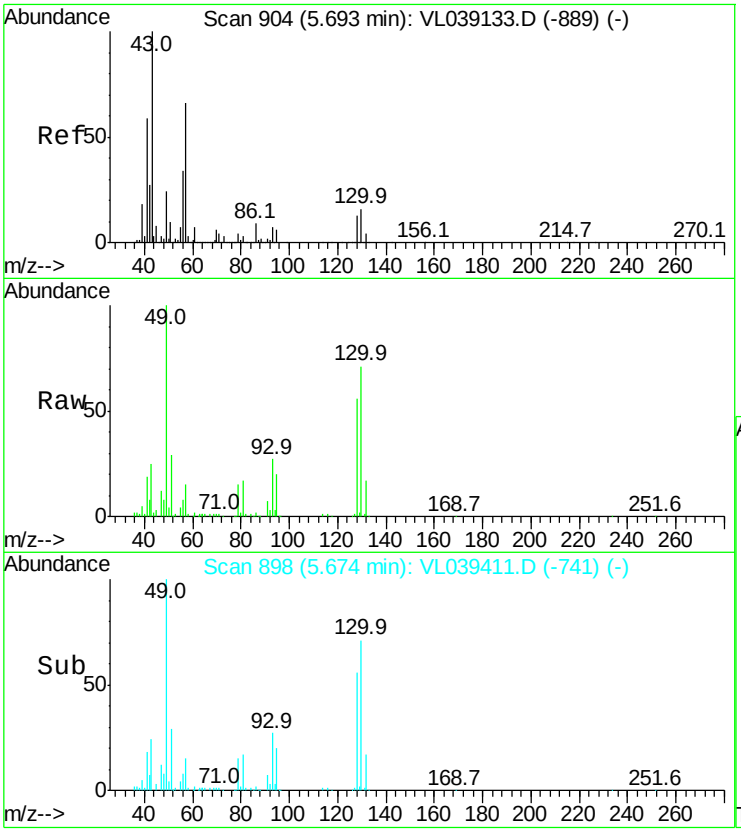


#25
Ethyl Acetate
Concen: 0.41 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 43 Resp: 108208

Ion	Ratio	Lower	Upper
43	100		
45	12.7	8.2	12.4#
61	8.8	8.3	12.5
70	7.2	5.9	8.9



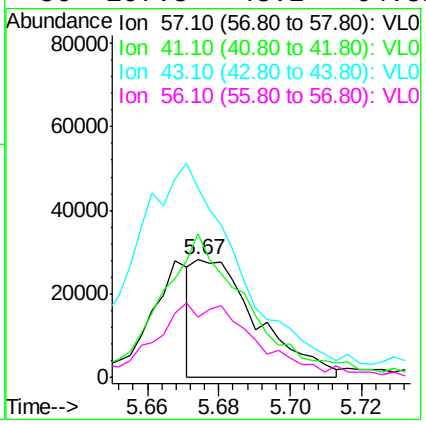


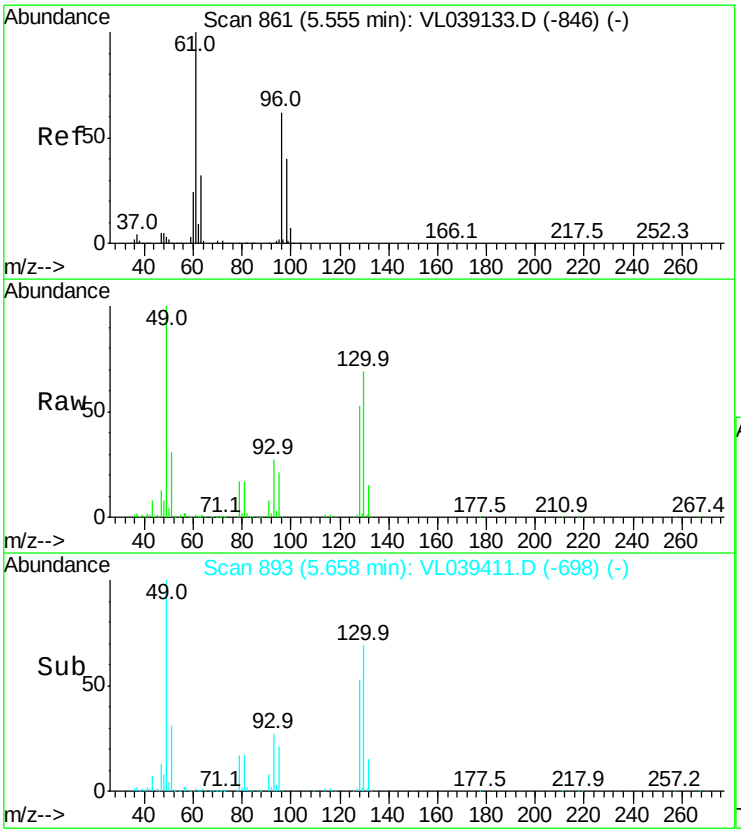
#26
Hexane
Concen: 0.33 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 57 Resp: 34775

Ion	Ratio	Lower	Upper
57	100		
41	181.2	76.9	115.3#
43	338.7	191.0	286.6#
56	107.3	43.2	64.8#

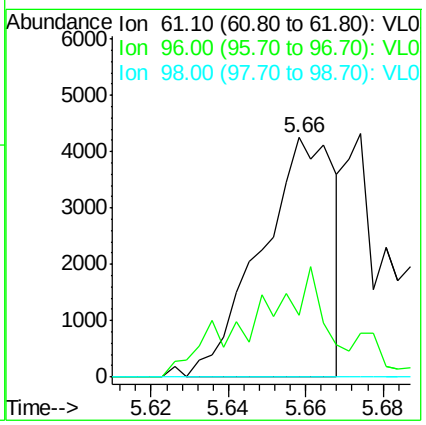


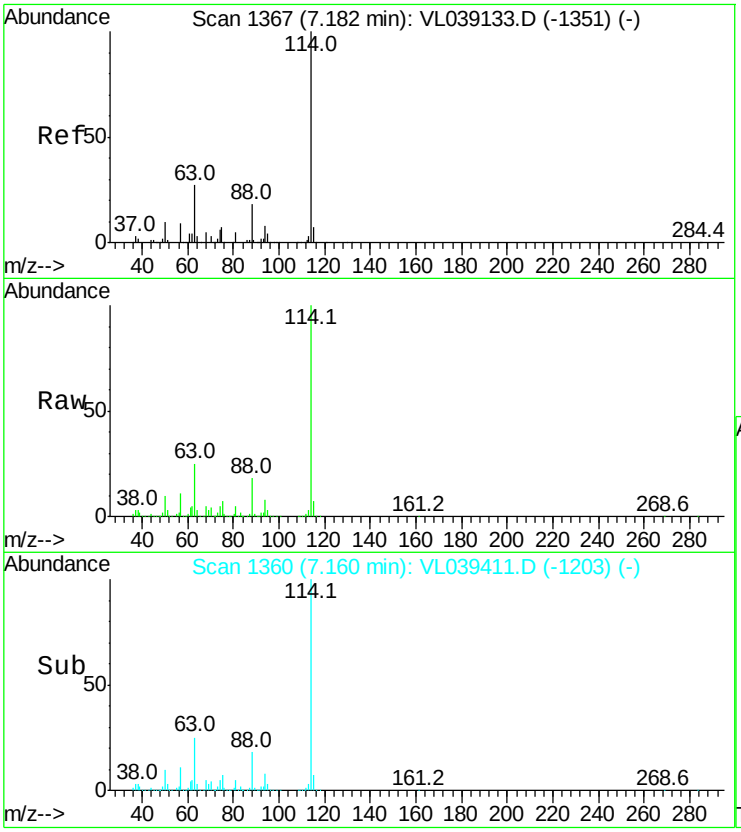


#31
cis-1,2-Dichloroethene
Concen: 0.05 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.13 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 61 Resp: 5595

Ion	Ratio	Lower	Upper
61	100		
96	18.9	54.1	81.1#
98	0.0	34.6	52.0#



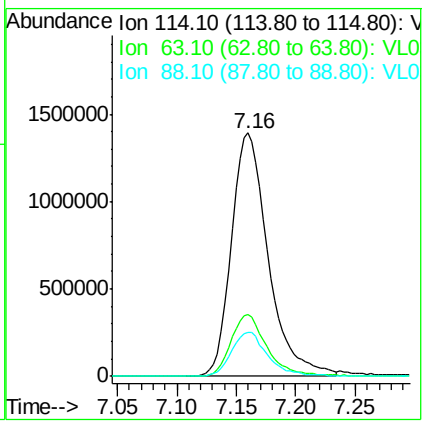


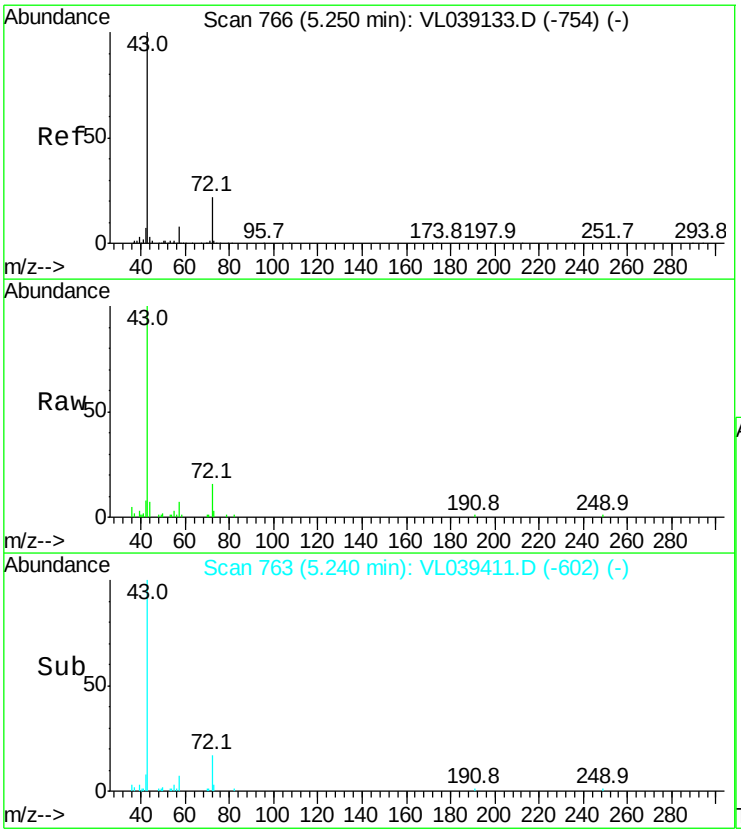
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:114 Resp: 2989754

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.2	30.4
88	18.2	14.5	21.7

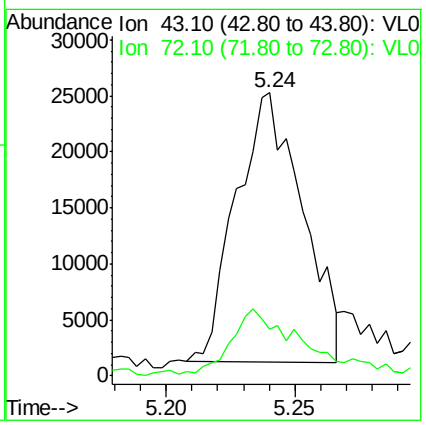


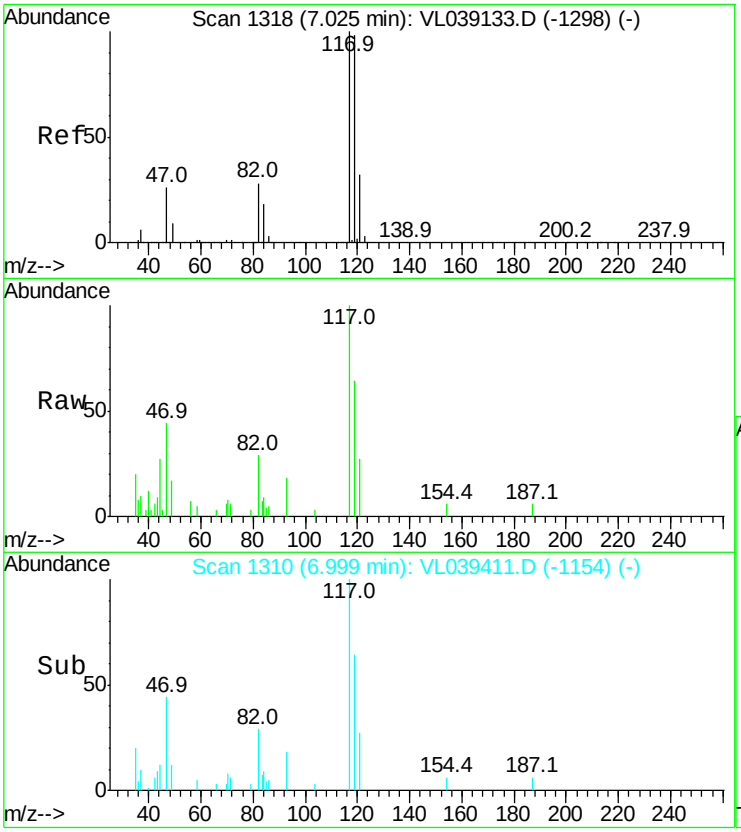


#34
2-Butanone
Concen: 0.29 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.02 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 43 Resp: 43135

Ion	Ratio	Lower	Upper
43	100		
72	31.1	17.9	26.9#



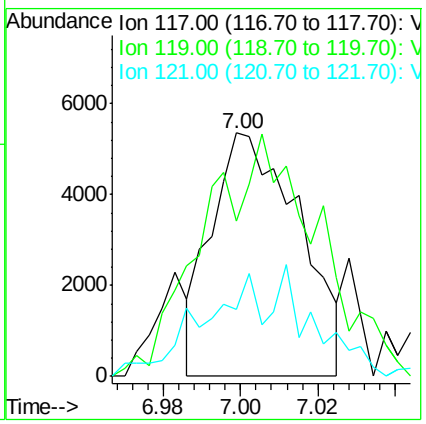


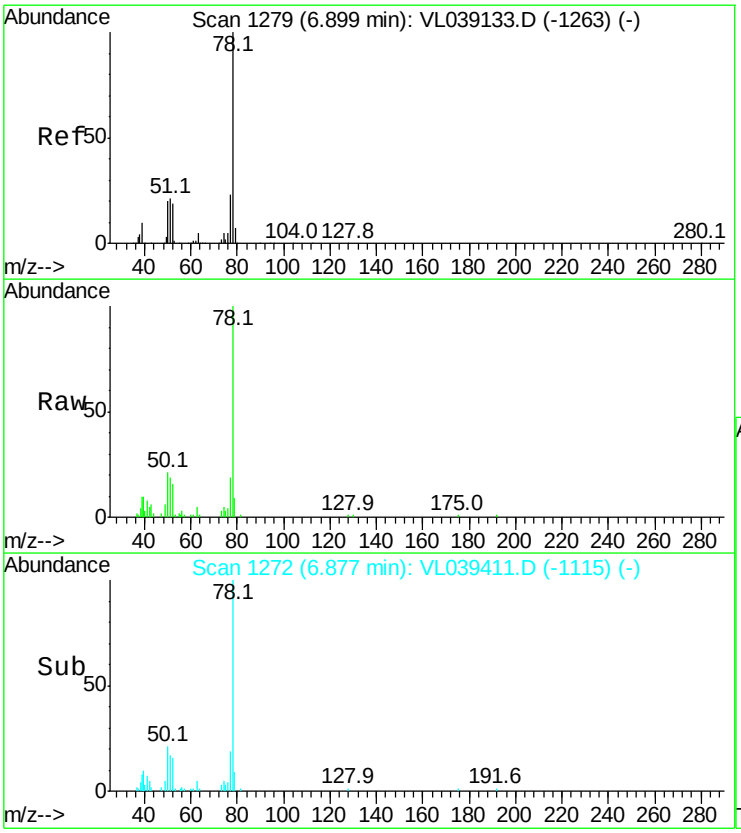
#35
Carbon Tetrachloride
Concen: 0.05 ppbv
RT: 7.00
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 8465

Ion	Ratio	Lower	Upper
117	100		
119	33.7	75.4	113.2#
121	13.6	24.2	36.2#

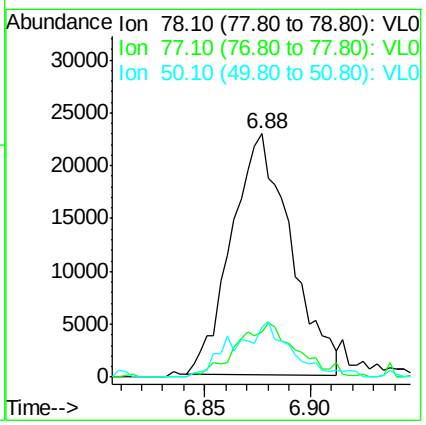


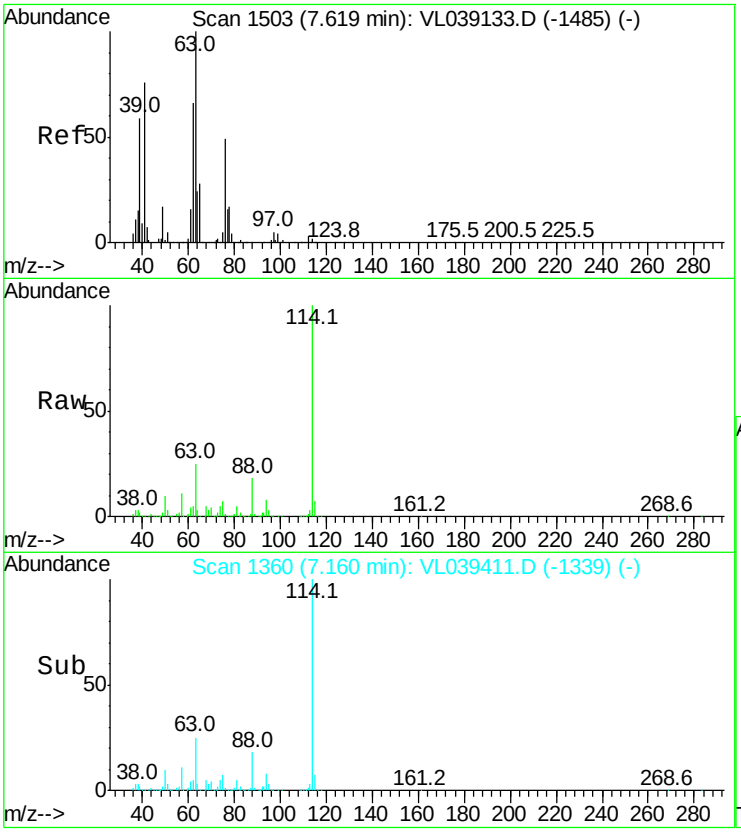


#36
Benzene
Concen: 0.19 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 78 Resp: 44691

Ion	Ratio	Lower	Upper
78	100		
77	18.7	20.3	30.5#
50	21.0	15.5	23.3



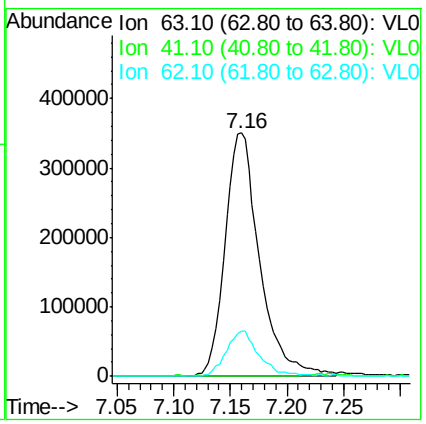


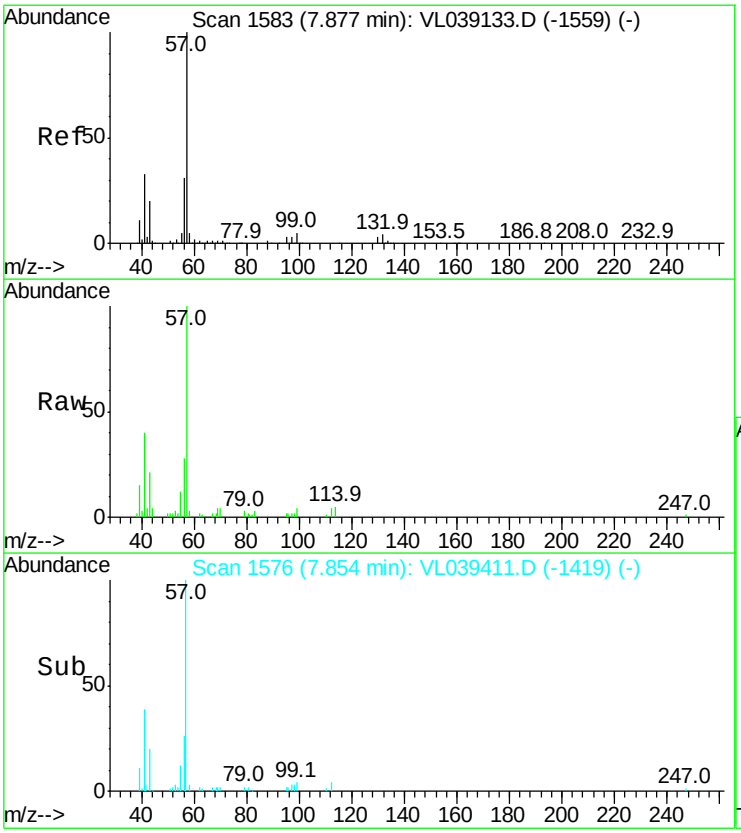
#39
1,2-Dichloropropane
Concen: 8.64 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 63 Resp: 747155

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	18.6	51.4	77.0#

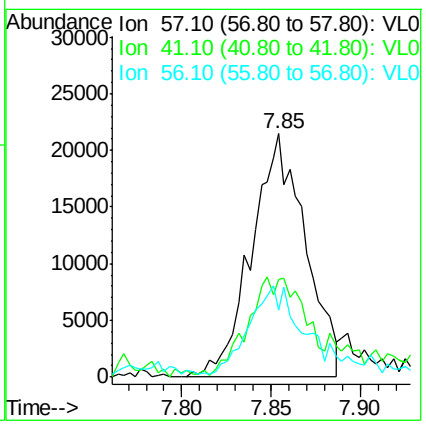


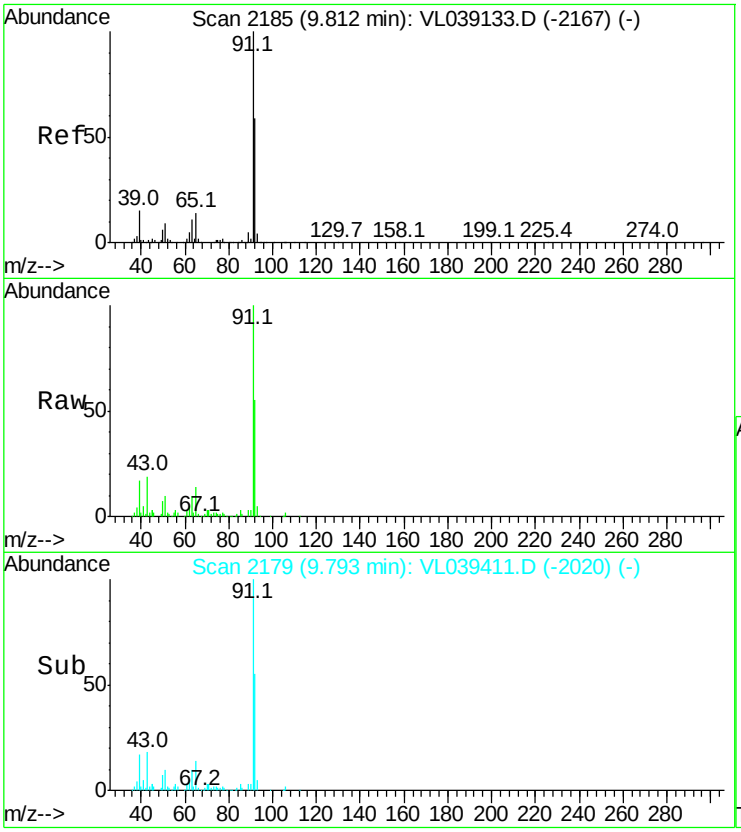


#44
2,2,4-Trimethylpentane
Concen: 0.12 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 57 Resp: 45188

Ion	Ratio	Lower	Upper
57	100		
41	60.4	27.4	41.2#
56	46.1	24.5	36.7#



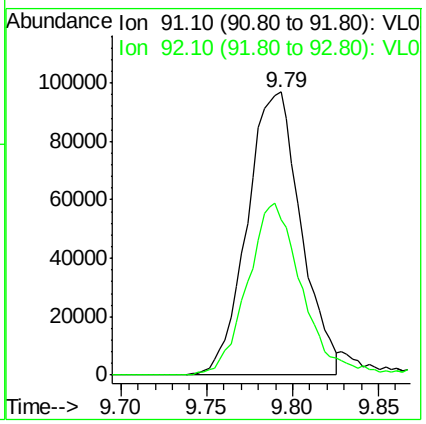


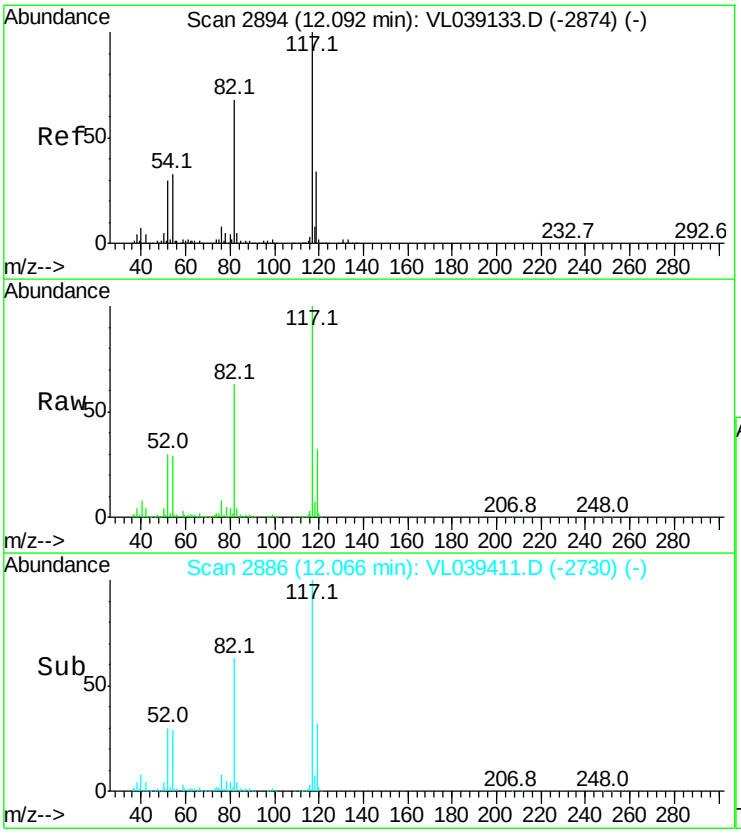
#53
Toluene
Concen: 0.79 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 210059

Ion	Ratio	Lower	Upper
91	100		
92	62.3	48.2	72.2

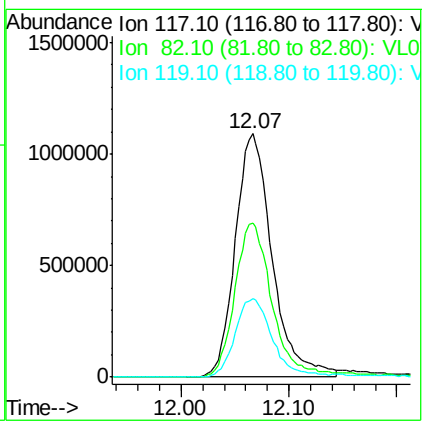


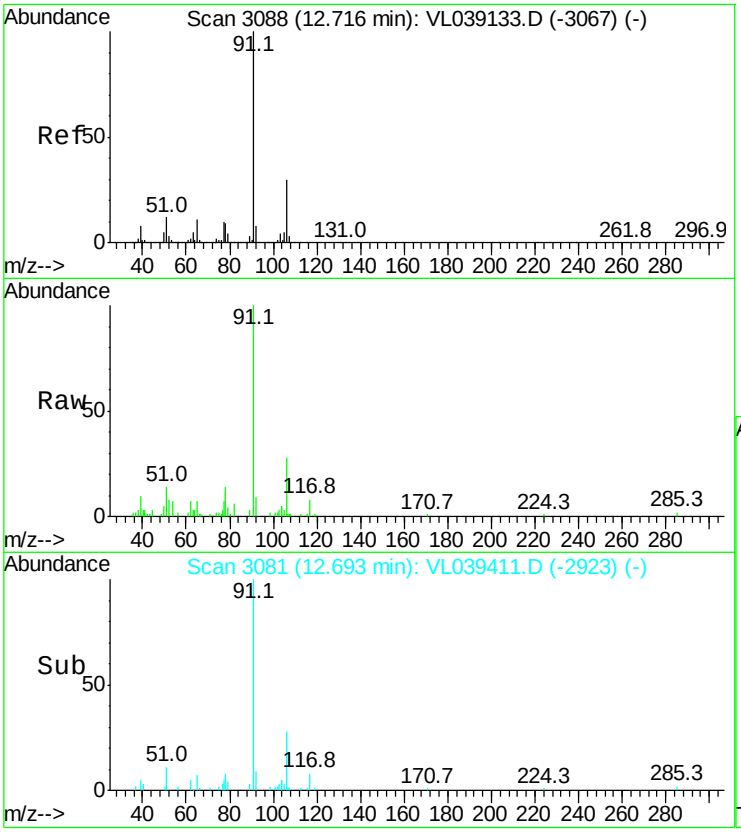


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion:117 Resp: 2602693

Ion	Ratio	Lower	Upper
117	100		
82	67.3	50.8	76.2
119	33.3	24.1	36.1



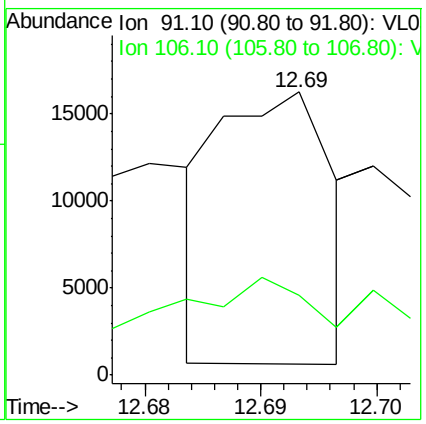


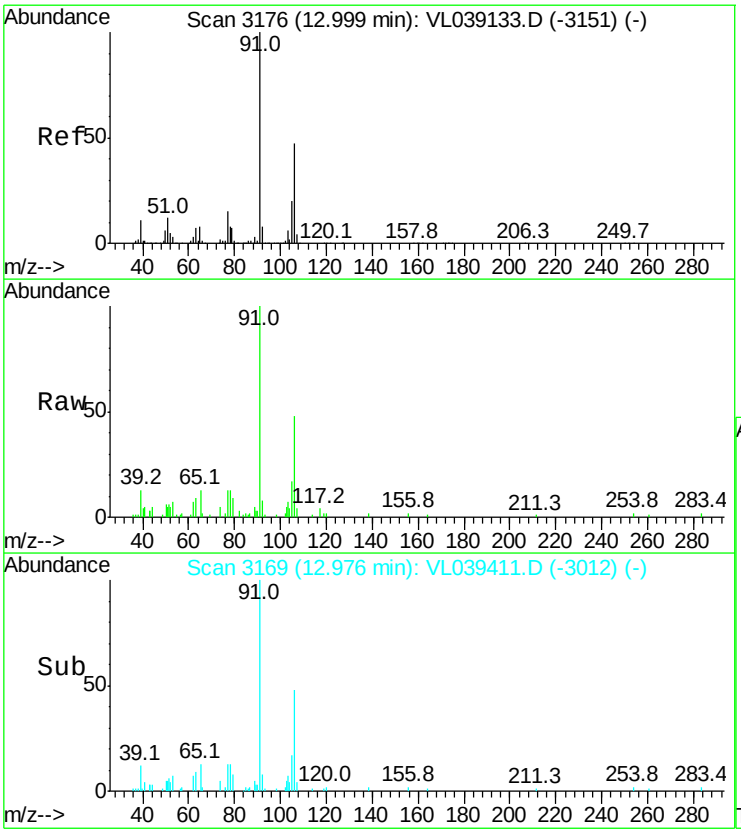
#58
Ethyl Benzene
Concen: 0.03 ppbv
RT: 12.69
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 10531

Ion	Ratio	Lower	Upper
91	100		
106	36.8	25.4	38.0

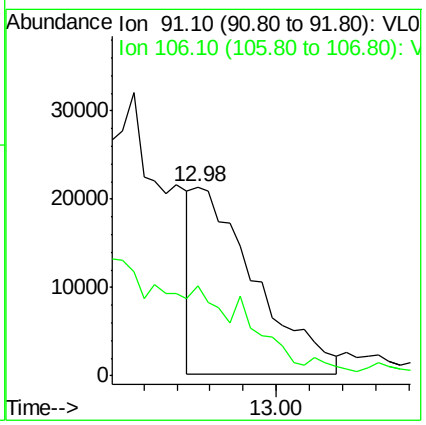


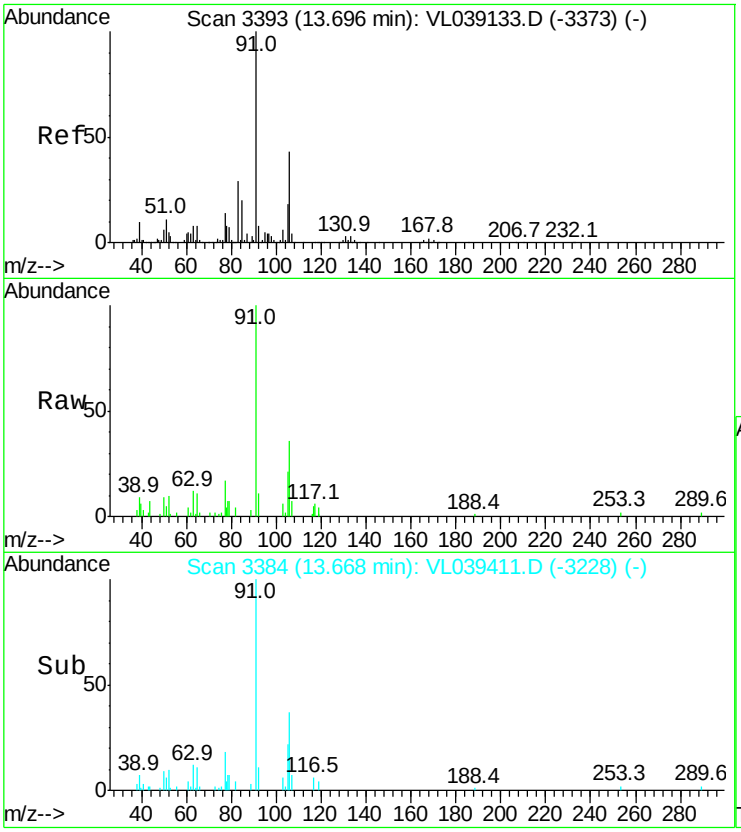


#59
m/p-Xylene
Concen: 0.09 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 91 Resp: 27382

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#



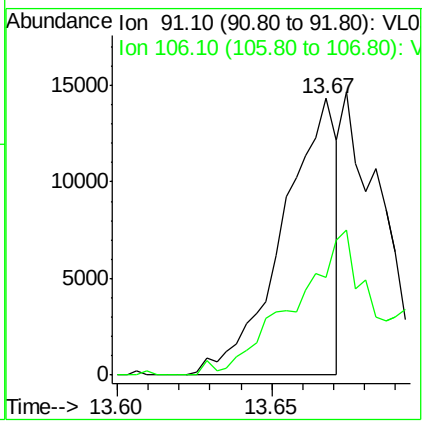


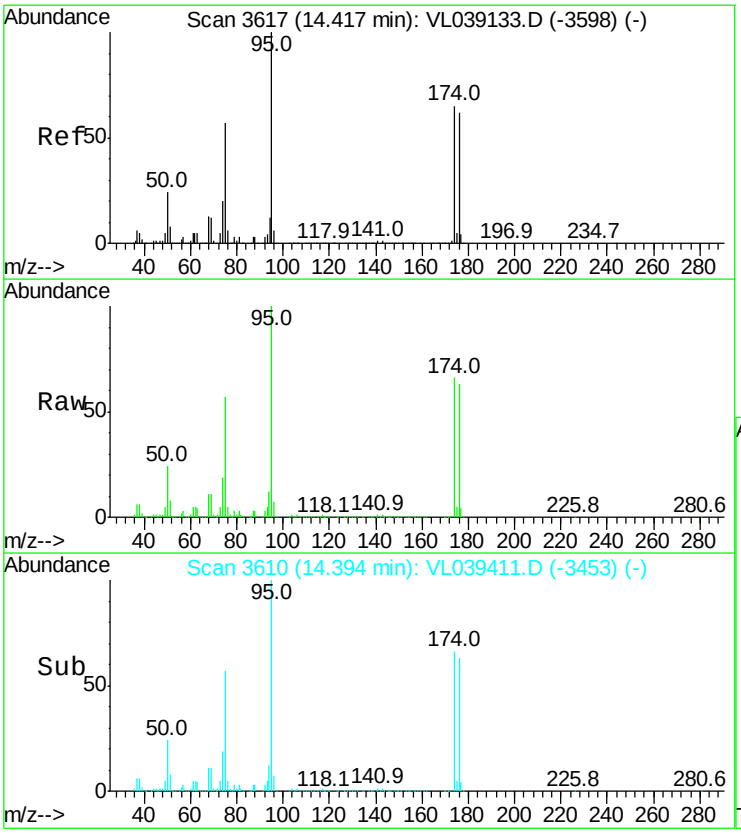
#60
o-Xylene
Concen: 0.06 ppbv
RT: 13.67
Delta R.T
Lab File:
Acq: 30 Jun 2022 1:07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 17364

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.4	67.3#

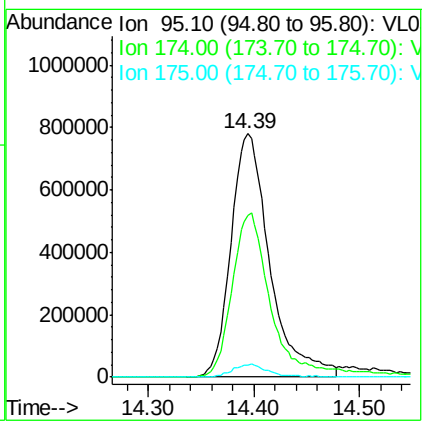


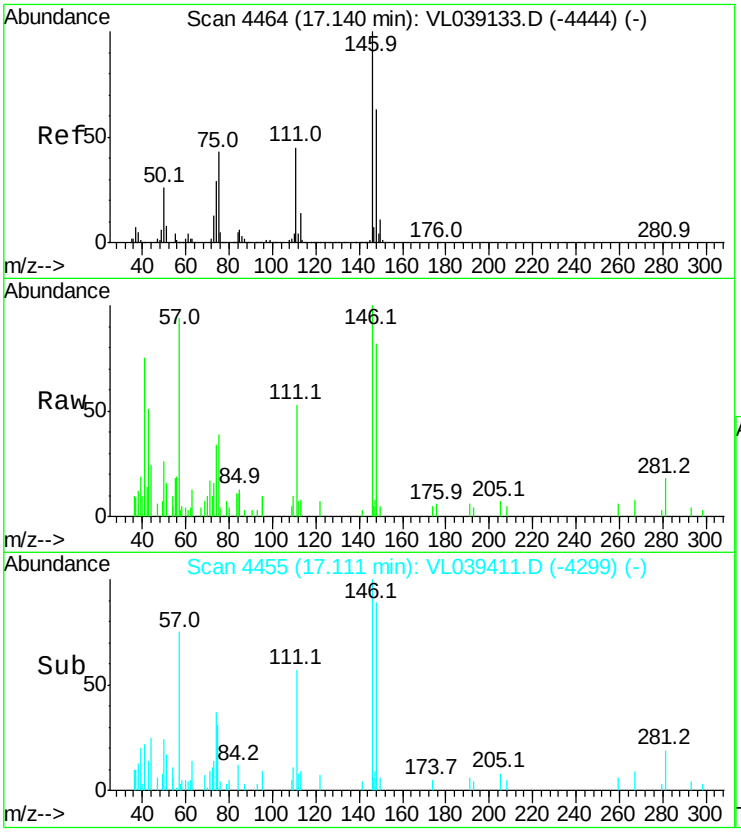


#68
1-Bromo-4-Fluorobenzene
Concen: 10.33 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VL039411.D
Acq: 30 Jun 2022 1:07

Tgt Ion: 95 Resp: 1994658

Ion	Ratio	Lower	Upper
95	100		
174	70.1	55.9	83.9
175	5.4	4.2	6.4





#76
1,4-Dichlorobenzene
Concen: 0.02 ppbv
RT: 17.11
Delta R.T
Lab File:
Acq: 30 Jun 2022 1.07

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:146 Resp: 4114

Ion	Ratio	Lower	Upper
146	100		
111	151.6	22.9	68.8#
148	201.2	33.6	100.8#