Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039186.D
Acq On : 6 Jun 2022 14:52
Operator : SY/AP
Sample : N3110-09 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-5DL

Quant Time: Jun 06 15:26:00 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1236415	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3399047	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.08	117	3052013	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2384029	9.45	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	30324	0.14	ppbv		100
3) Chlorodifluoromethane	2.99	51	18972	0.12	ppbv	#	80
4) Chloromethane	3.14	50	2775	0.03	ppbv	#	43
9) Propene	3.01	41	4061	0.06	ppbv	#	15
10) Heptane	8.12	43	18598	0.12	ppbv	#	61
11) Trichlorofluoromethane	3.95	101	12407	0.06	ppbv		92
13) Ethanol	3.60	45	130711	34.94	ppbv	#	100
15) Acetone	3.85	43	568567	4.41	ppbv		92
16) 1,3-Butadiene	3.35	39	5485	0.08	ppbv	#	8
19) Isopropyl Alcohol	3.98	45	4578	0.08	ppbv	#	93
20) Methylene Chloride	4.34	84	378795	6.98	ppbv		96
23) Vinyl Acetate	5.07	43	4513	0.04	ppbv	#	53
25) Ethyl Acetate	5.68	43	563426	1.94	ppbv	#	76
26) Hexane	5.68	57	818917	6.42	ppbv	#	38
29) Chloroform	5.75	83	20920	0.10	ppbv		88
34) 2-Butanone	5.24	43	169939	0.92	ppbv		96
39) 1,2-Dichloropropane	7.17	63	816160	7.44	ppbv	#	23
41) Tetrahydrofuran	5.68	42	281894	2.54	ppbv	#	50
52) Tetrachloroethene	11.21	164	44075	0.41	ppbv		90
53) Toluene	9.80	91	198446	0.62	ppbv		98
58) Ethyl Benzene	12.70	91	126093	0.30	ppbv		96
59) m/p-Xylene	12.95	91	469213	1.27	ppbv		92
60) o-Xylene	13.68	91	217787	0.63	ppbv		99
64) n-propylbenzene	15.55	120	8188	0.06	ppbv	#	1
65) tert-Butylbenzene	16.74	119	18497	0.04	ppbv	#	17
67) sec-Butylbenzene	17.59	105	33563	0.05	ppbv		98
72) 4-Ethyltoluene	15.83	105	114866	0.28	ppbv		98
73) 1,3,5-Trimethylbenzene	15.98	105	102963	0.28	ppbv		95
74) 1,2,4-Trimethylbenzene	16.75	105	411048	1.00	ppbv	#	65

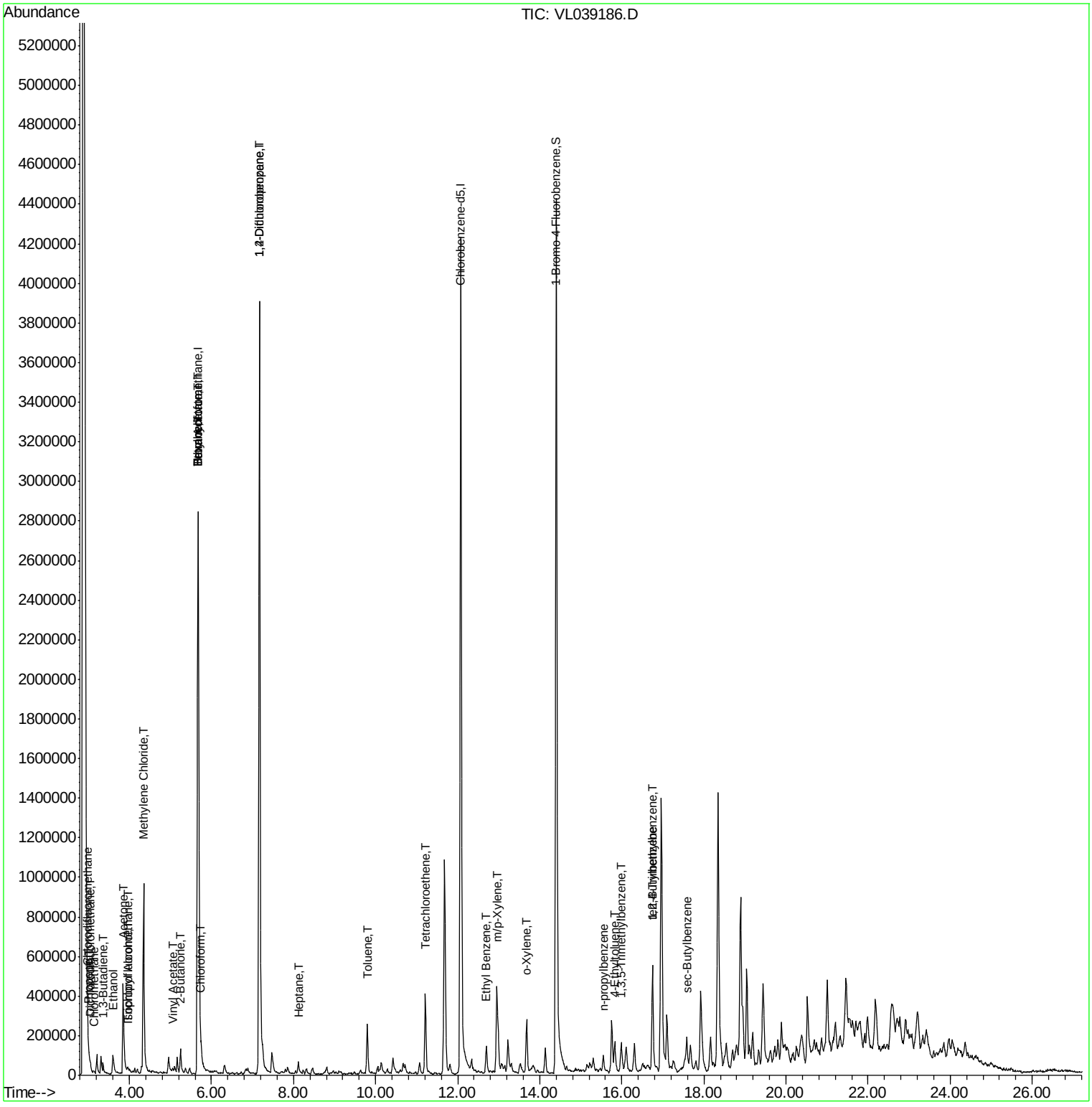
(#) = qualifier out of range (m) = manual integration (+) = signals summed

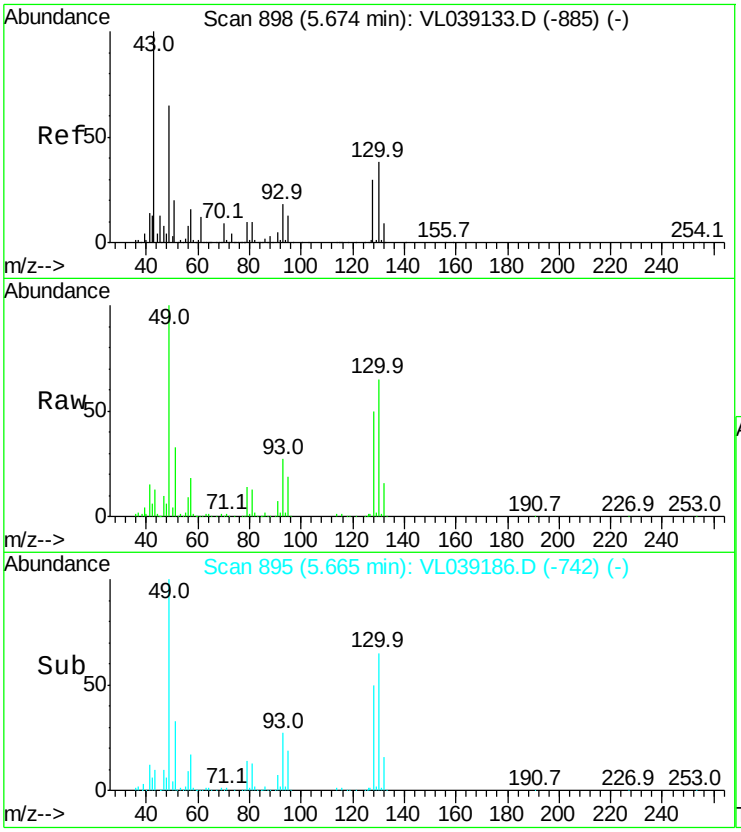
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039186.D
Acq On : 6 Jun 2022 14:52
Operator : SY/AP
Sample : N3110-09 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Quant Time: Jun 06 15:26:00 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration



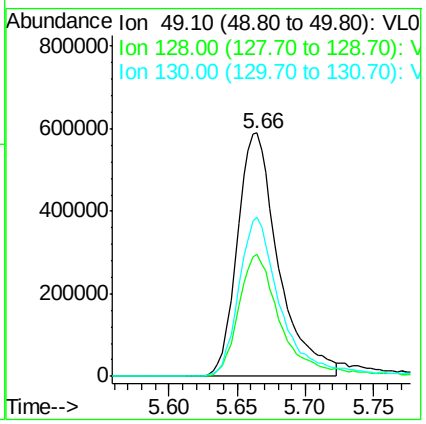


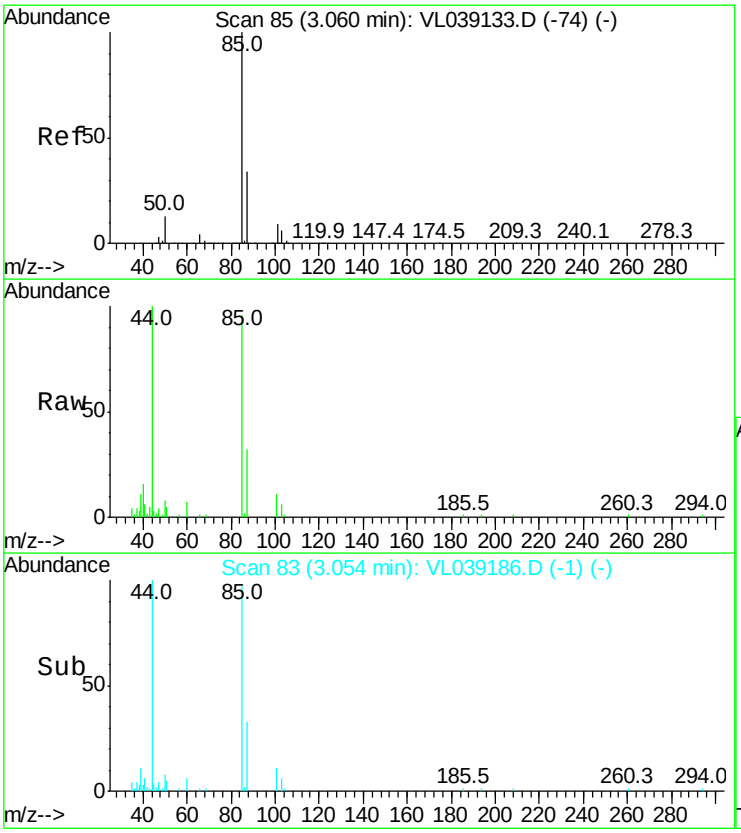
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 49 Resp: 1236415

Ion	Ratio	Lower	Upper
49	100		
128	52.6	24.7	74.1
130	68.1	31.4	94.0

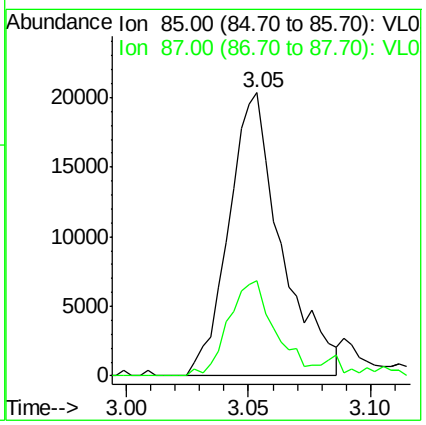


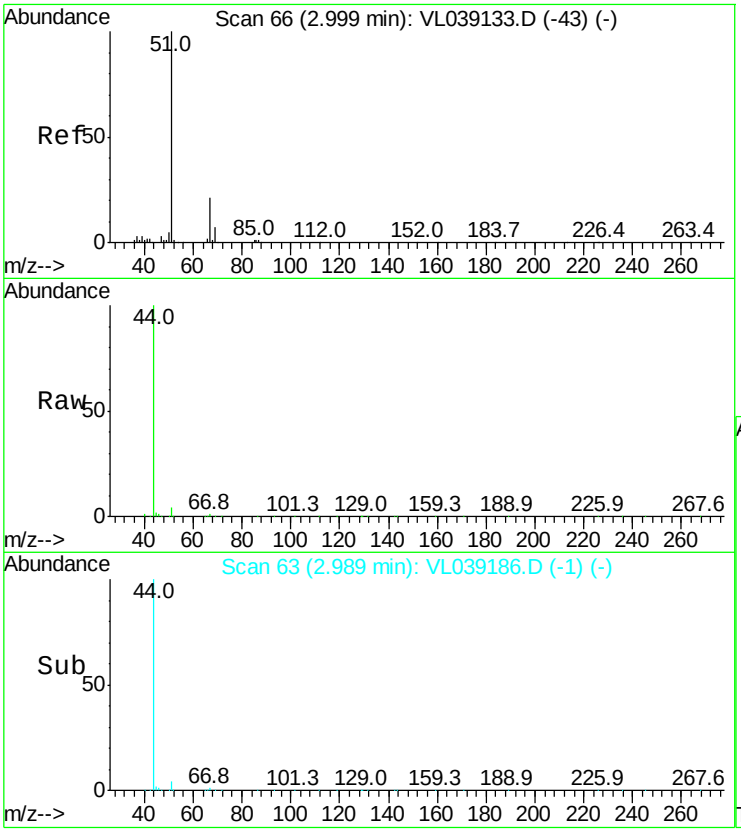


#2
Dichlorodifluoromethane
Concen: 0.14 ppbv
RT: 3.05 min Scan# 83
Delta R.T. -0.01 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 85 Resp: 30324

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.9	40.3



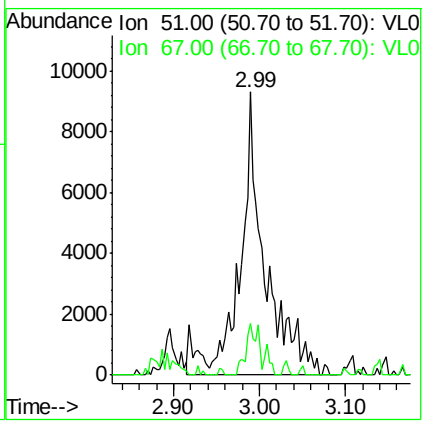


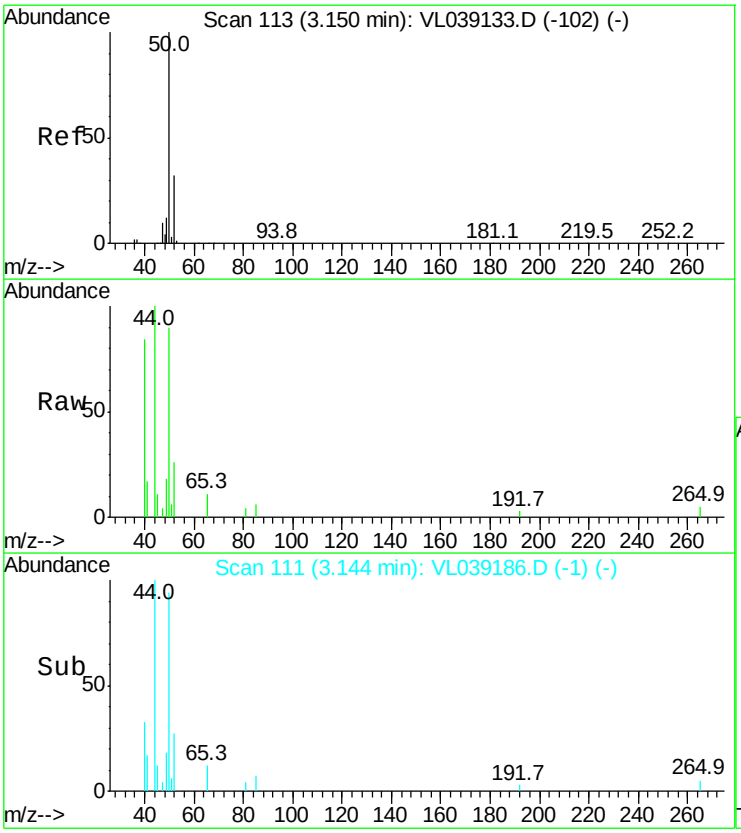
#3
Chlorodifluoromethane
Concen: 0.12 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 51 Resp: 18972

Ion	Ratio	Lower	Upper
51	100		
67	11.1	16.2	24.4#

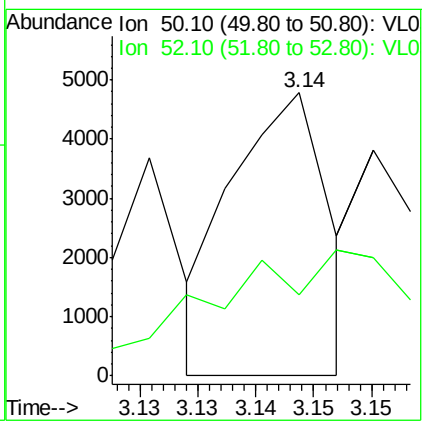


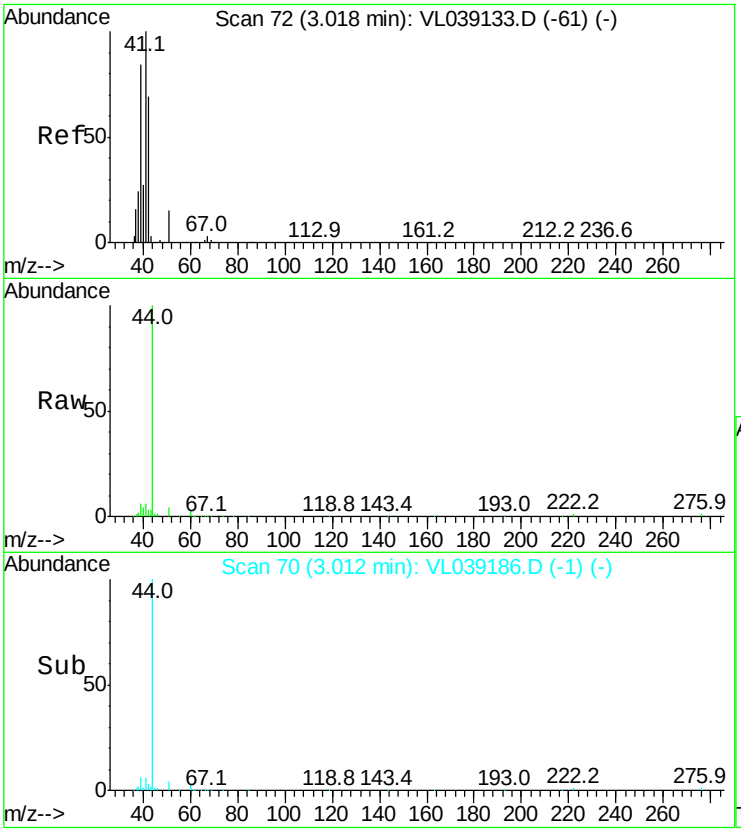


#4
Chloromethane
Concen: 0.03 ppbv
RT: 3.14 min Scan# 111
Delta R.T. -0.01 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 50 Resp: 2775

Ion	Ratio	Lower	Upper
50	100		
52	0.4	25.9	38.9#



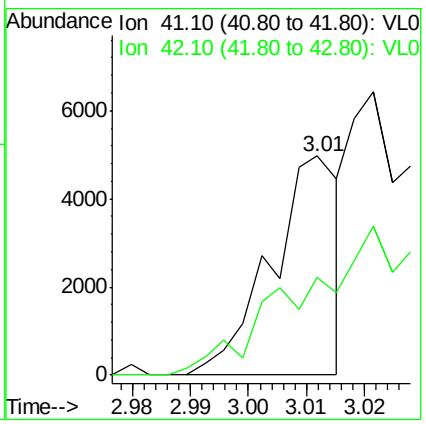


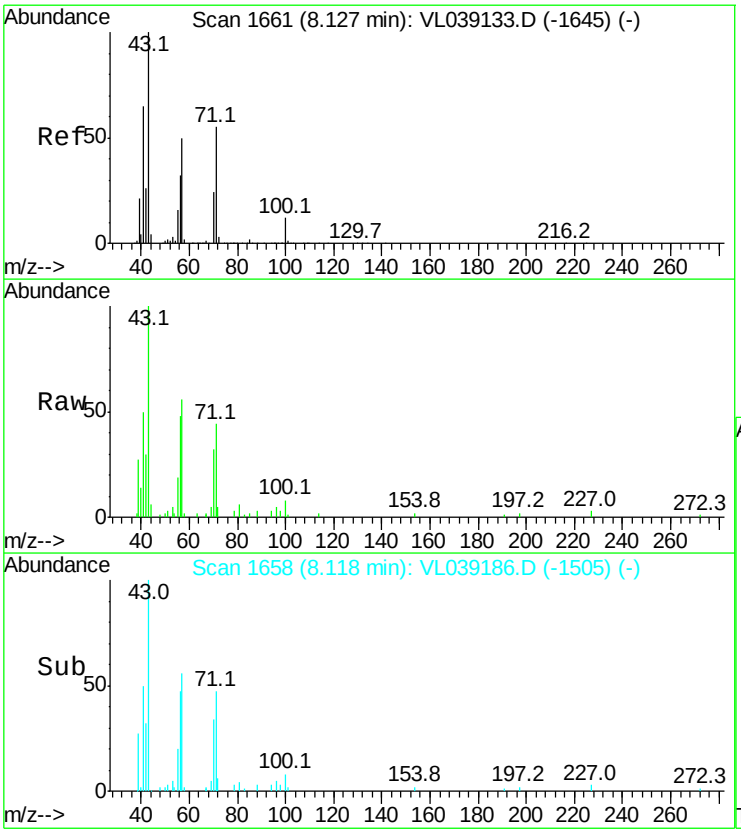
#9
Propene
Concen: 0.06 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 41 Resp: 4061

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.4	83.2#

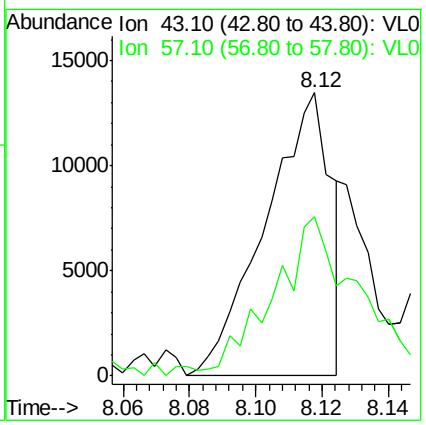


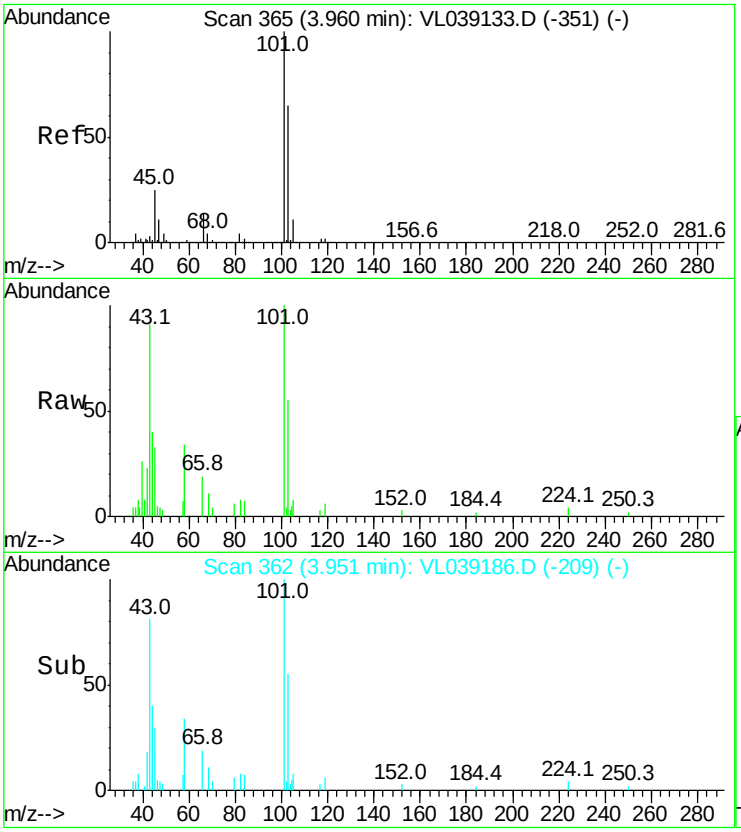


#10
Heptane
Concen: 0.12 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 43 Resp: 18598

Ion	Ratio	Lower	Upper
43	100		
57	79.0	41.4	62.2#



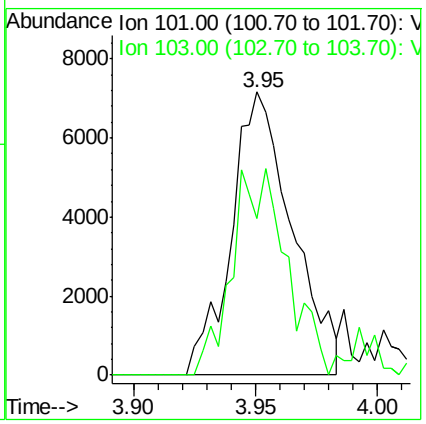


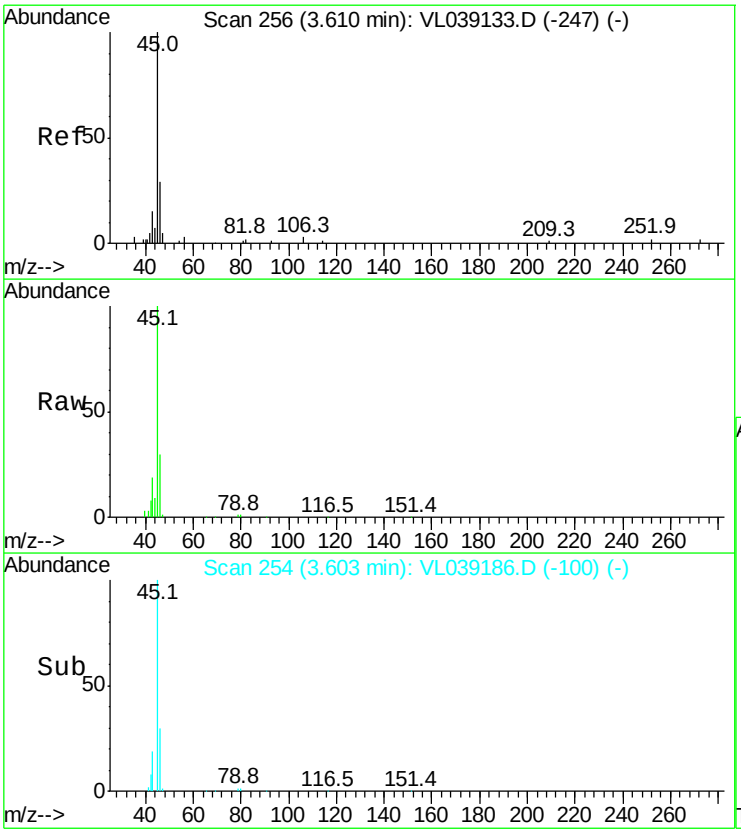
#11
Trichlorofluoromethane
Concen: 0.06 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion:101 Resp: 12407

Ion	Ratio	Lower	Upper
101	100		
103	58.6	51.7	77.5

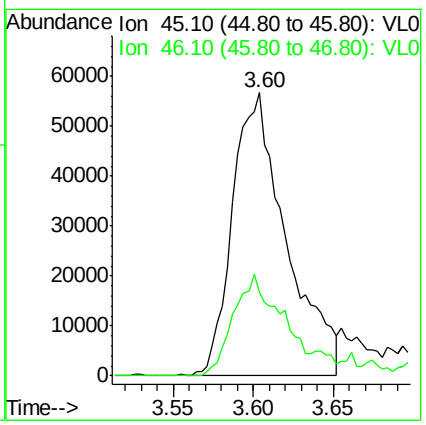


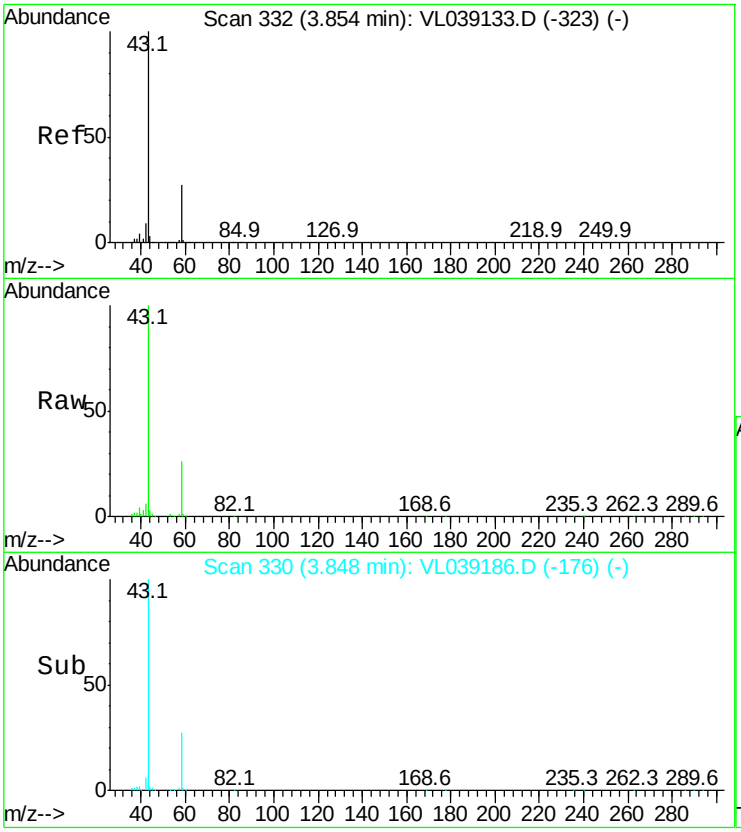


#13
Ethanol
Concen: 34.94 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 45 Resp: 130711

Ion	Ratio	Lower	Upper
45	100		
46	41.0	0.0	0.0#



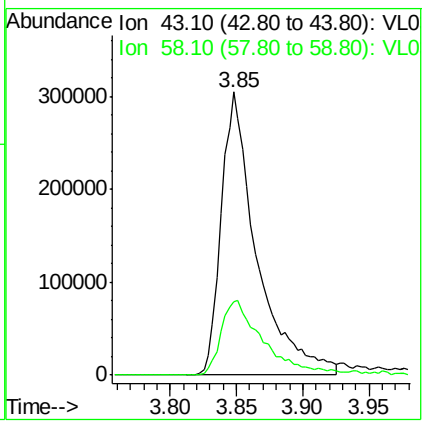


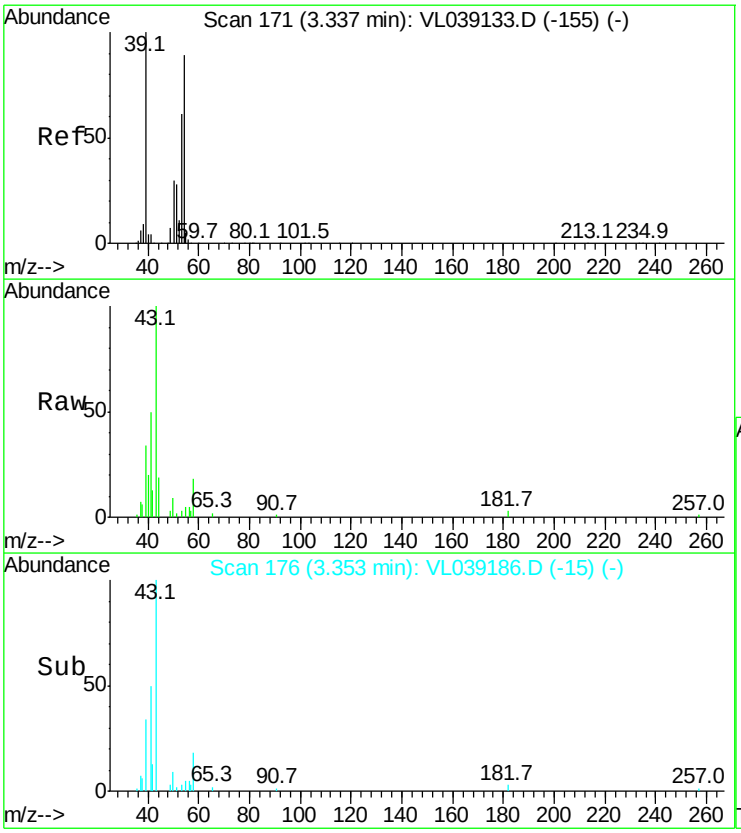
#15
Acetone
Concen: 4.41 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 43 Resp: 568567

Ion	Ratio	Lower	Upper
43	100		
58	32.5	22.5	33.7

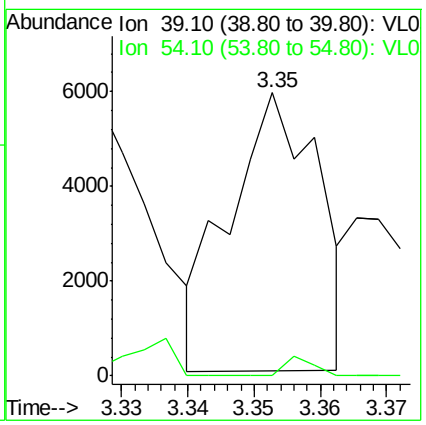


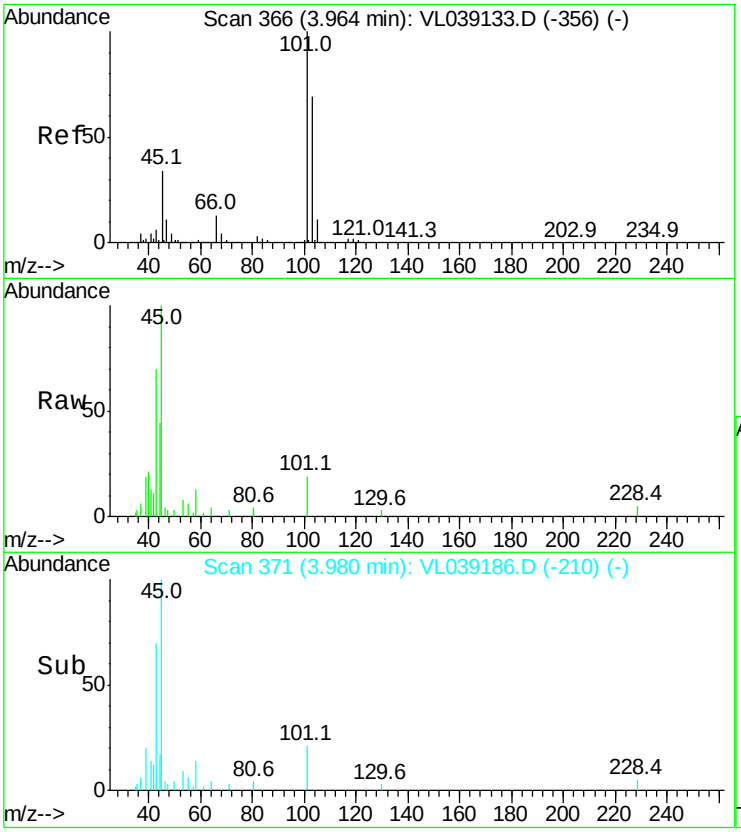


#16
1,3-Butadiene
Concen: 0.08 ppbv
RT: 3.35 min Scan# 176
Delta R.T. 0.02 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 39 Resp: 5485

Ion	Ratio	Lower	Upper
39	100		
54	0.0	65.8	98.6#



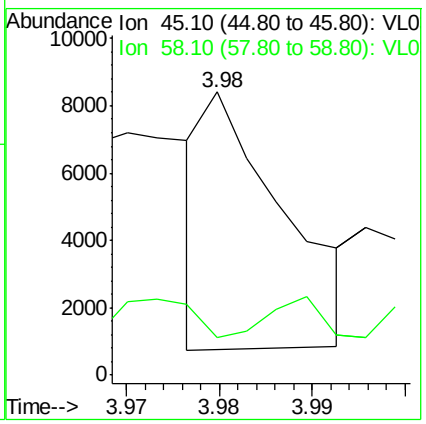


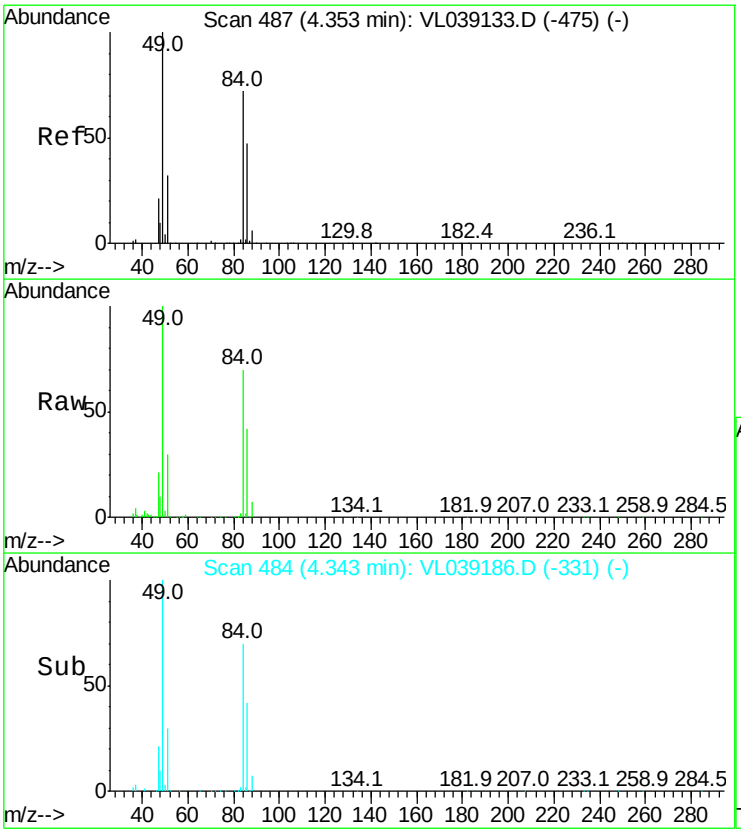
#19
Isopropyl Alcohol
Concen: 0.08 ppbv
RT: 3.98
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 45 Resp: 4578

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#

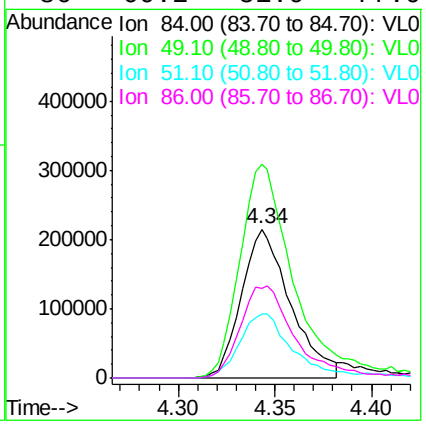


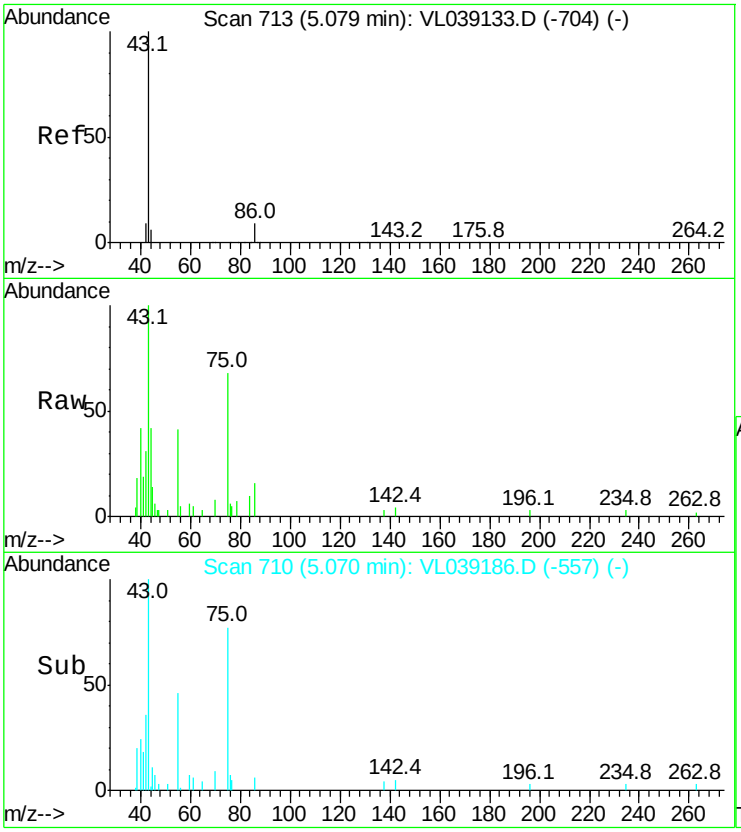


#20
Methylene Chloride
Concen: 6.98 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 84 Resp: 378795

Ion	Ratio	Lower	Upper
84	100		
49	143.3	111.1	166.7
51	42.9	35.3	52.9
86	60.2	51.9	77.9



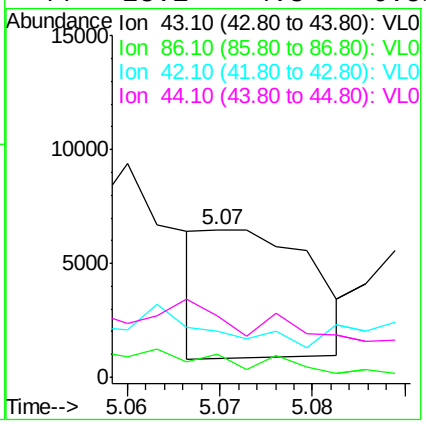


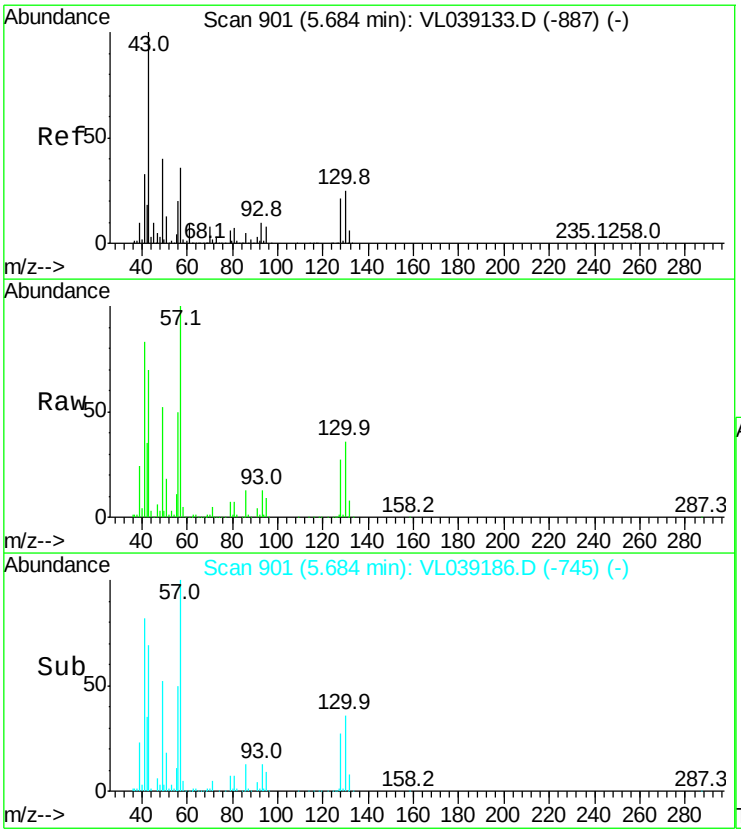
#23
Vinyl Acetate
Concen: 0.04 ppbv
RT: 5.07
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 43 Resp: 4513

Ion	Ratio	Lower	Upper
43	100		
86	27.7	6.0	9.0#
42	0.0	8.2	12.4#
44	28.1	4.3	6.5#

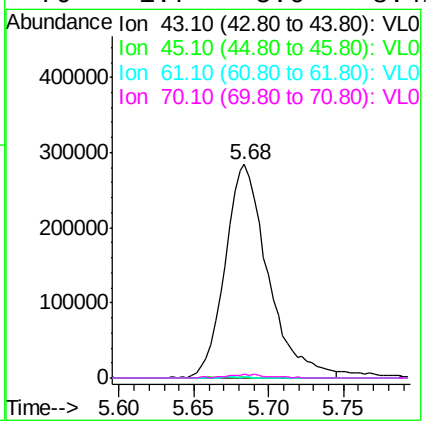


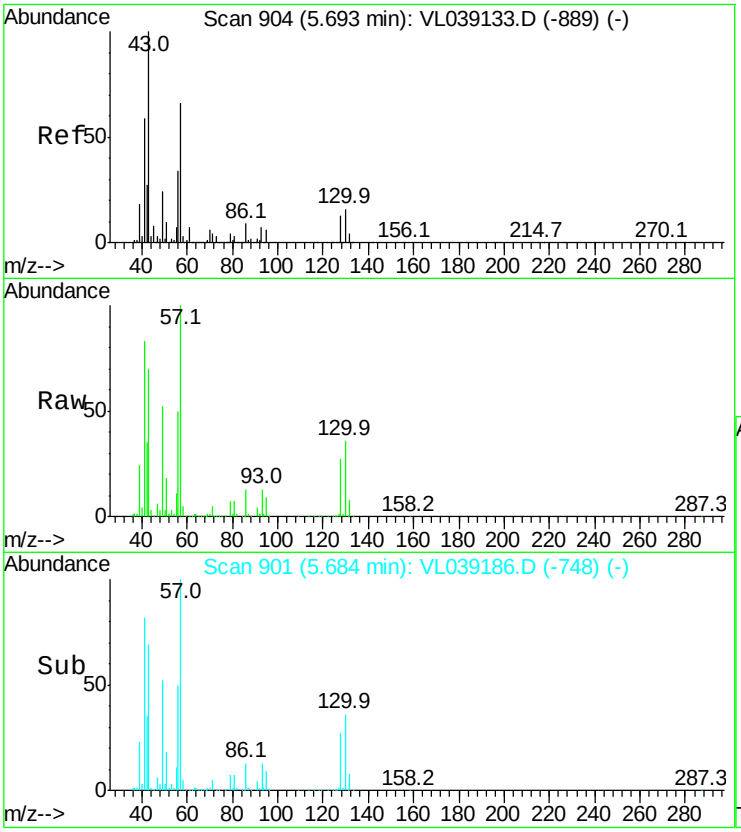


#25
Ethyl Acetate
Concen: 1.94 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 43 Resp: 563426

Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.2	12.2#
61	0.5	8.4	12.6#
70	1.7	5.6	8.4#



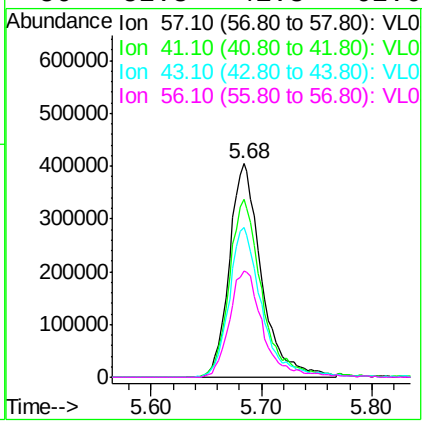


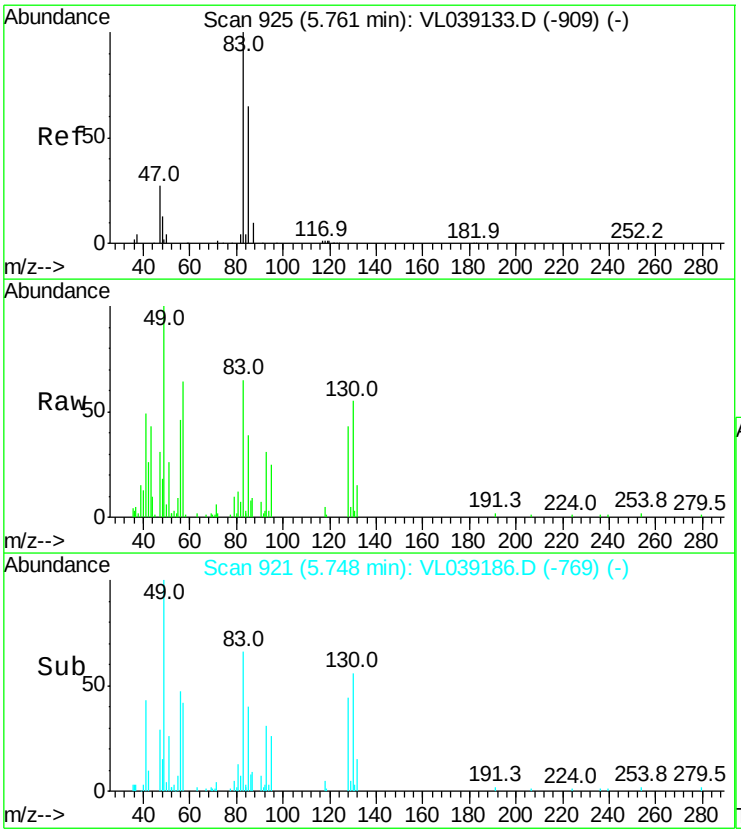
#26
Hexane
Concen: 6.42 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 57 Resp: 818917

Ion	Ratio	Lower	Upper
57	100		
41	85.7	72.4	108.6
43	71.5	187.0	280.6#
56	52.3	41.8	62.6

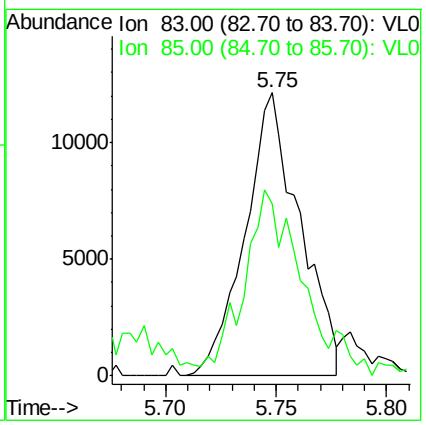


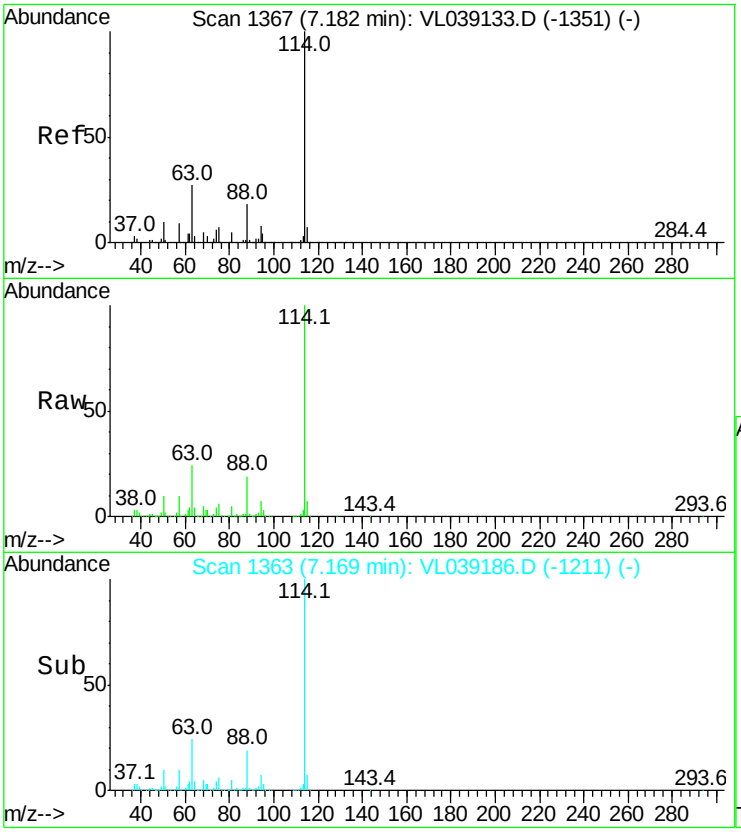


#29
Chloroform
Concen: 0.10 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 83 Resp: 20920

Ion	Ratio	Lower	Upper
83	100		
85	55.9	52.4	78.6



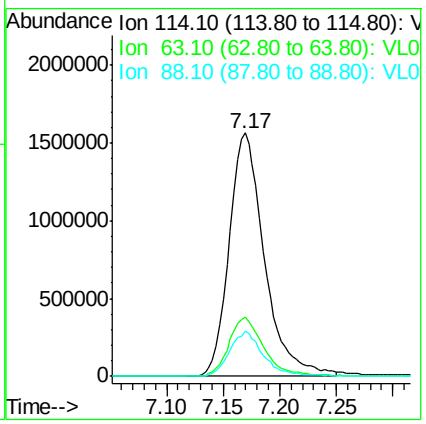


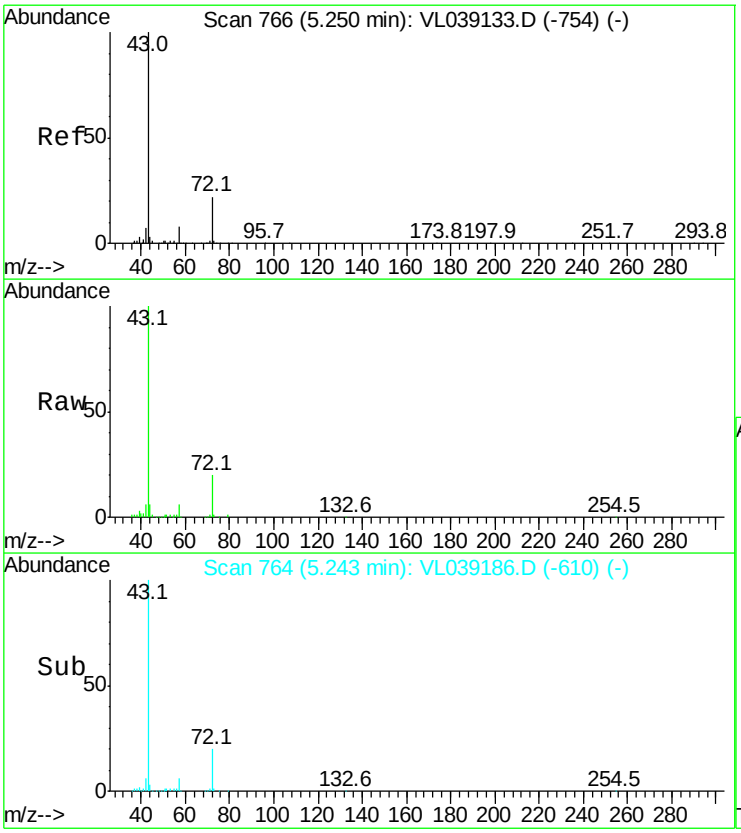
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion:114 Resp: 3399047

Ion	Ratio	Lower	Upper
114	100		
63	24.4	21.7	32.5
88	18.1	14.8	22.2

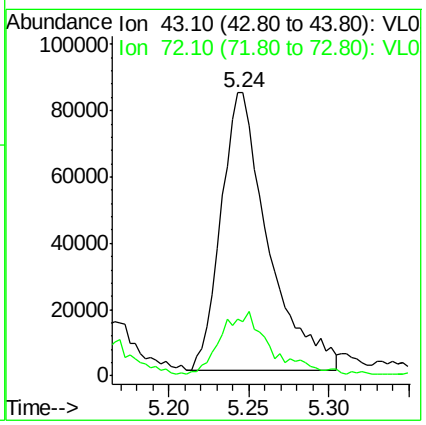


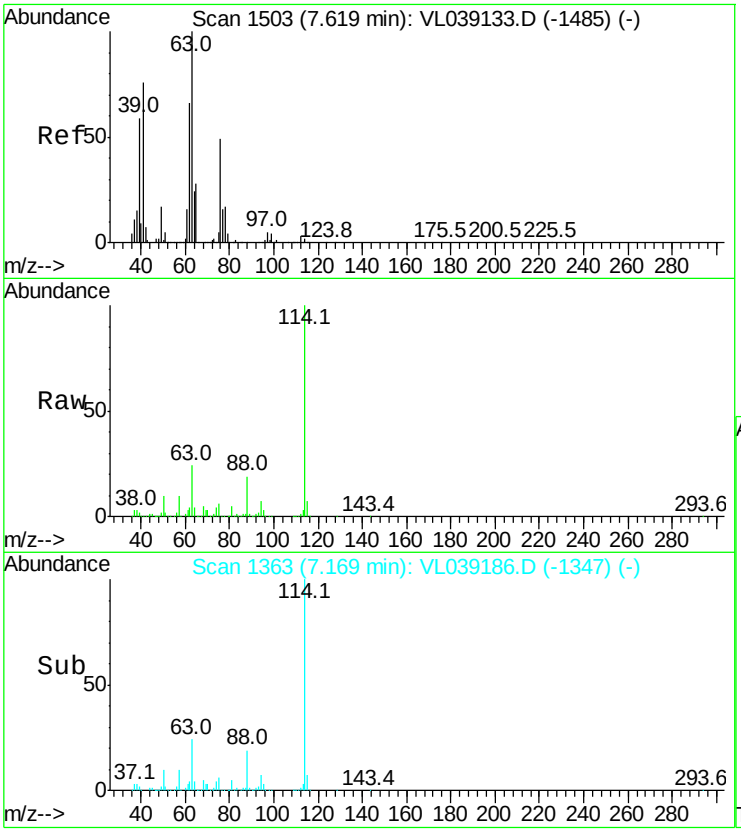


#34
2-Butanone
Concen: 0.92 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 43 Resp: 169939

Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.2	27.2



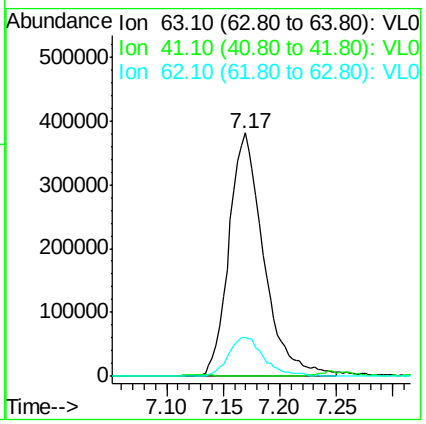


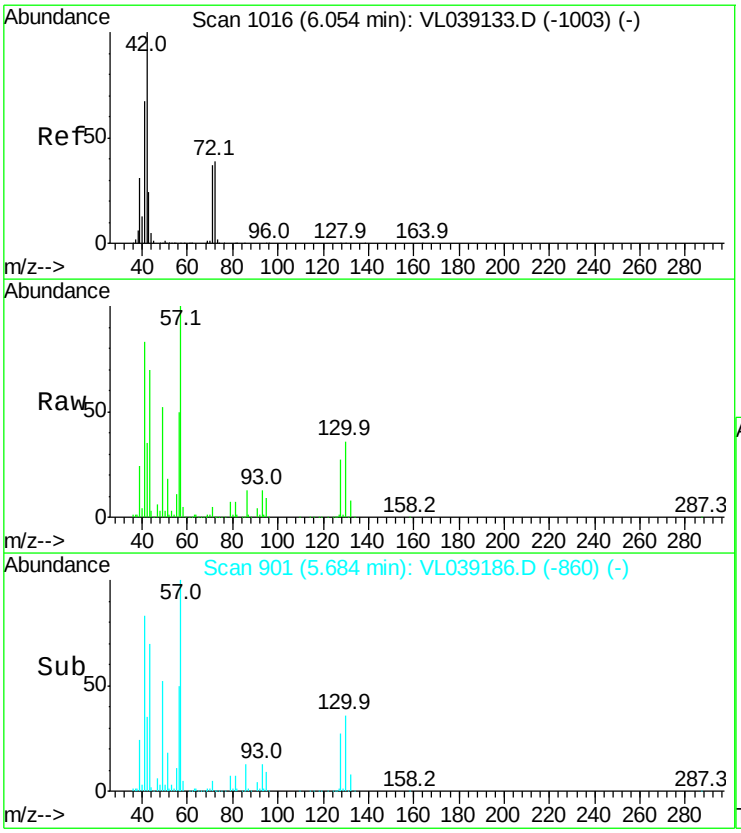
#39
1,2-Dichloropropane
Concen: 7.44 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 63 Resp: 816160

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	15.7	52.9	79.3#

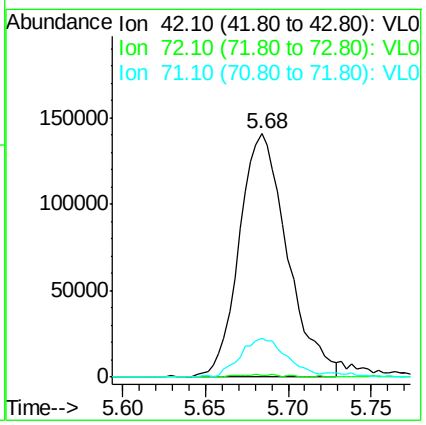


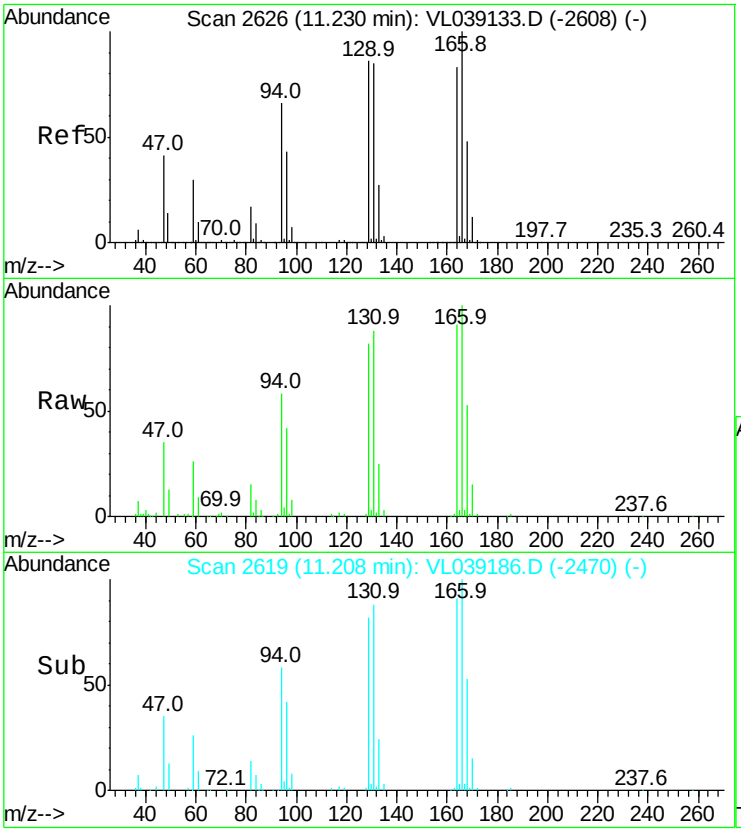


#41
Tetrahydrofuran
Concen: 2.54 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.37 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 42 Resp: 281894

Ion	Ratio	Lower	Upper
42	100		
72	1.1	32.0	48.0#
71	16.9	31.1	46.7#



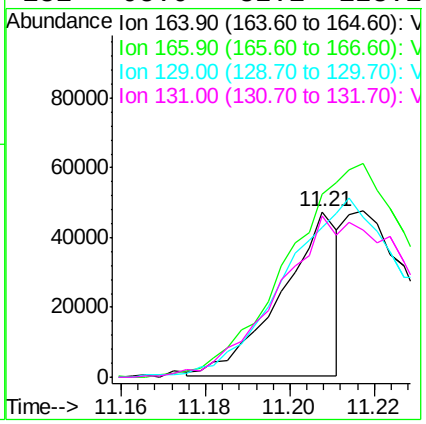


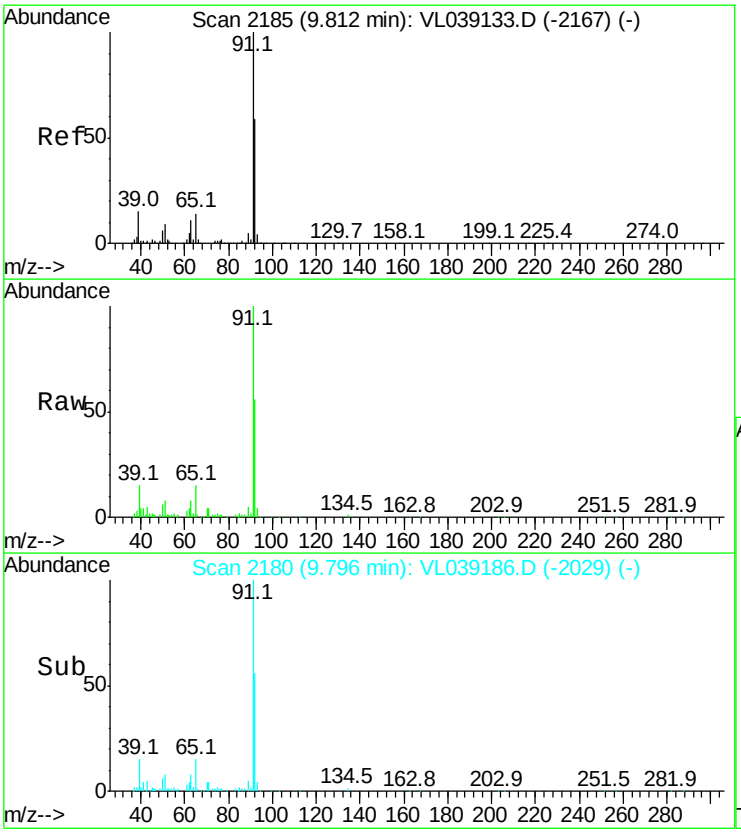
#52
Tetrachloroethene
Concen: 0.41 ppbv
RT: 11.21
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion:164 Resp: 44075

Ion	Ratio	Lower	Upper
164	100		
166	109.3	96.3	144.5
129	90.7	82.5	123.7
131	95.0	82.1	123.1

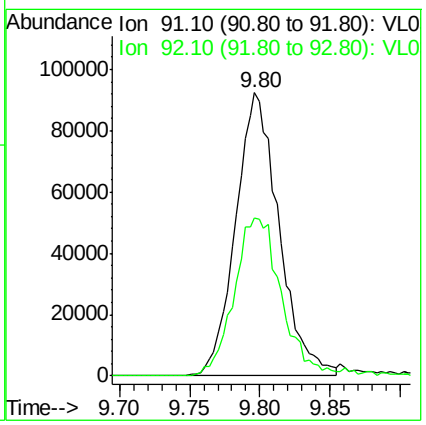


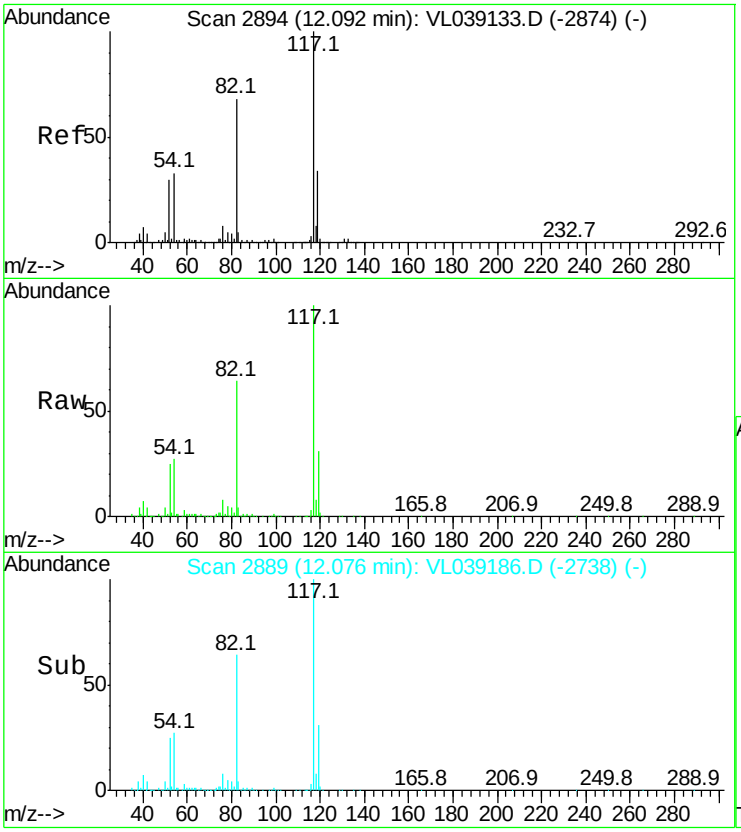


#53
Toluene
Concen: 0.62 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. -0.02 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 91 Resp: 198446

Ion	Ratio	Lower	Upper
91	100		
92	61.4	48.1	72.1



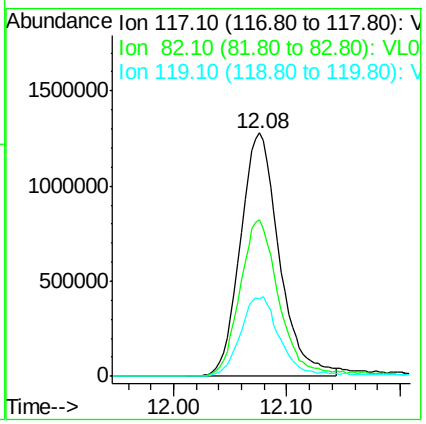


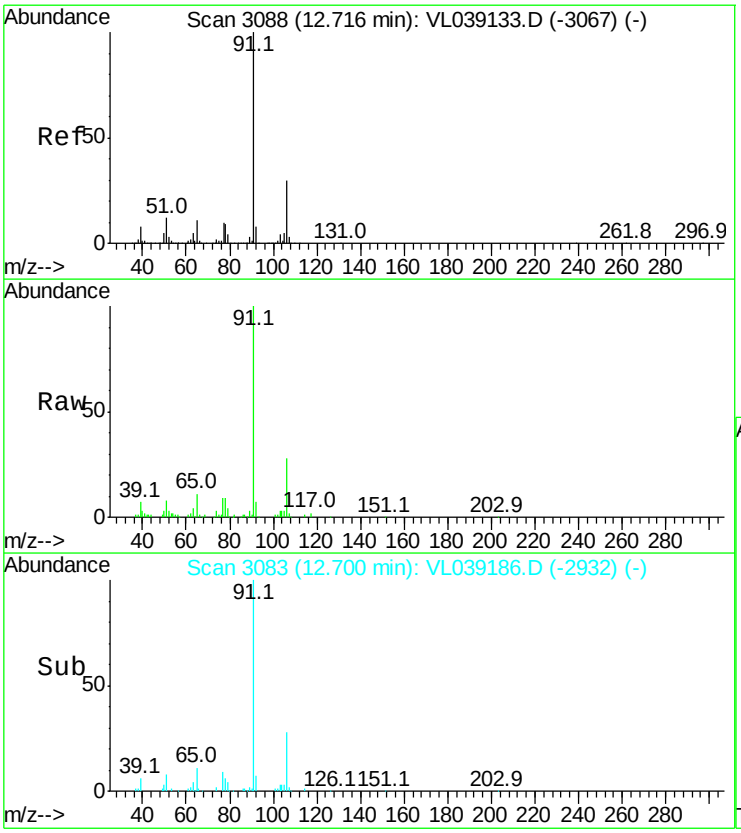
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion:117 Resp: 3052013

Ion	Ratio	Lower	Upper
117	100		
82	67.0	55.1	82.7
119	34.1	24.7	37.1

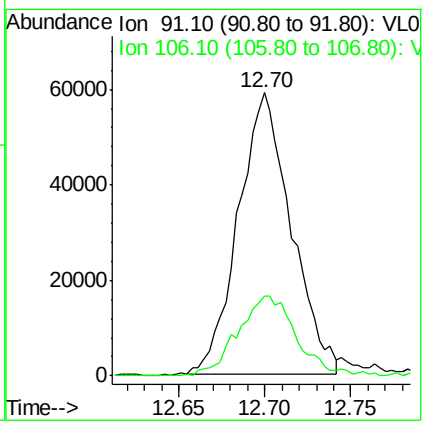


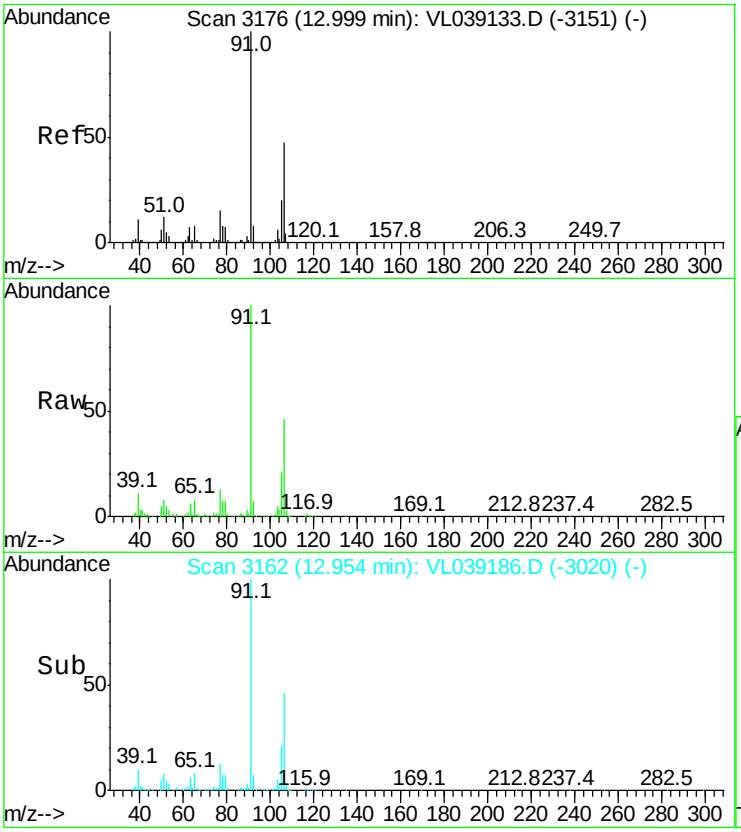


#58
Ethyl Benzene
Concen: 0.30 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 91 Resp: 126093

Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.2	36.4



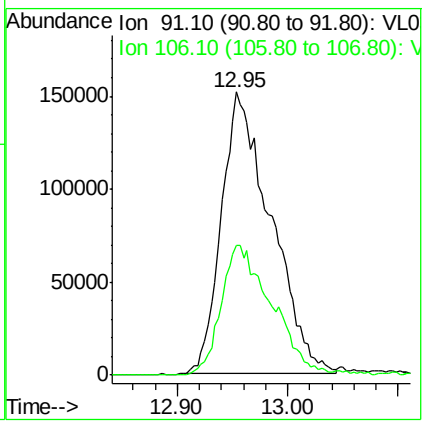


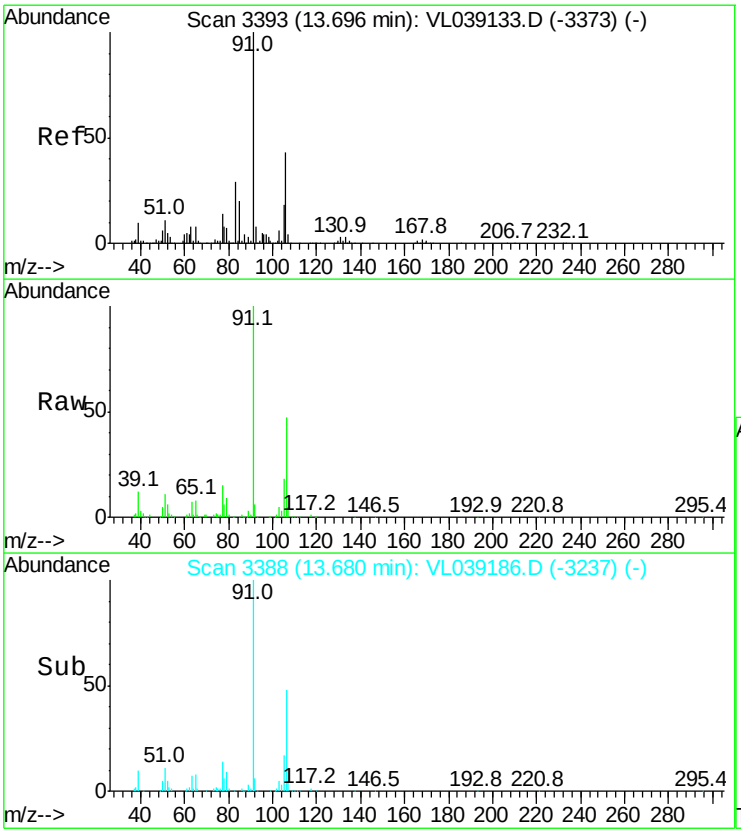
#59
m/p-Xylene
Concen: 1.27 ppbv
RT: 12.95
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion: 91 Resp: 469213

Ion	Ratio	Lower	Upper
91	100		
106	47.8	34.3	51.5

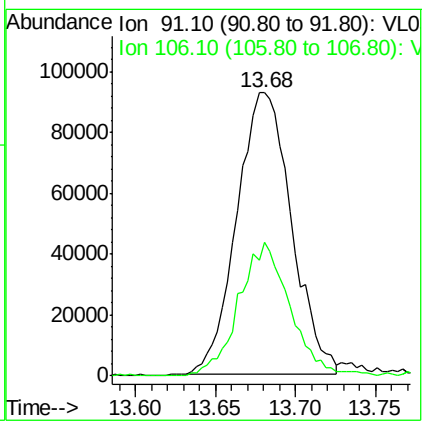


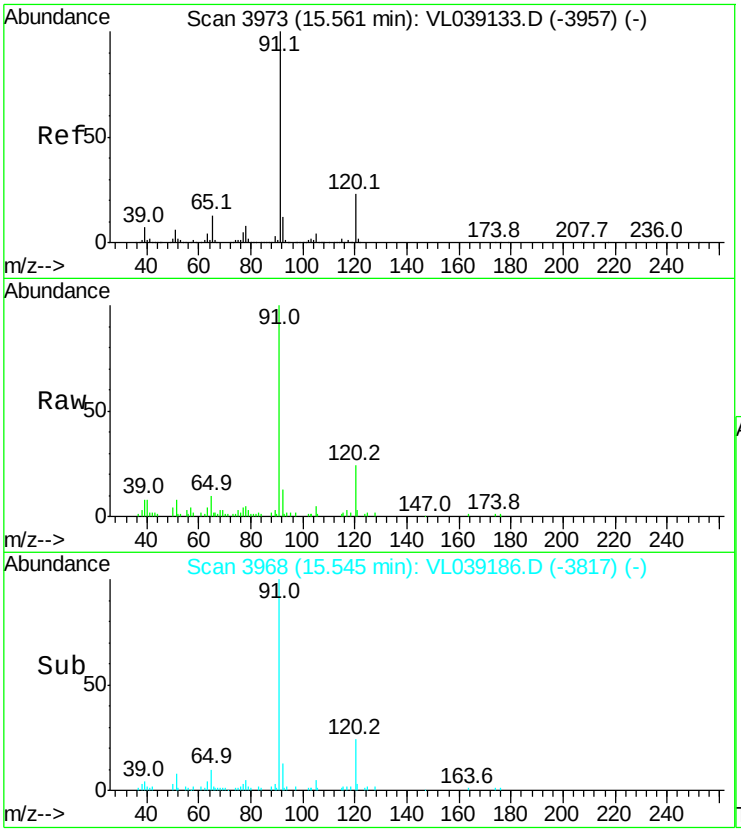


#60
o-Xylene
Concen: 0.63 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 91 Resp: 217787

Ion	Ratio	Lower	Upper
91	100		
106	45.1	22.3	66.9



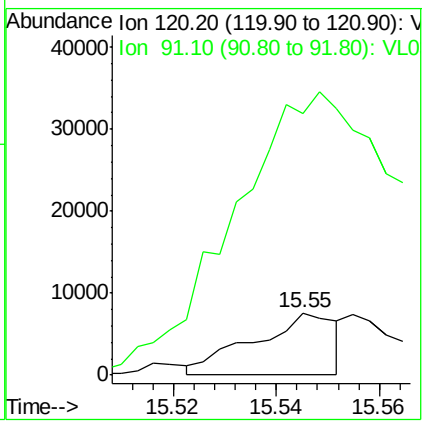


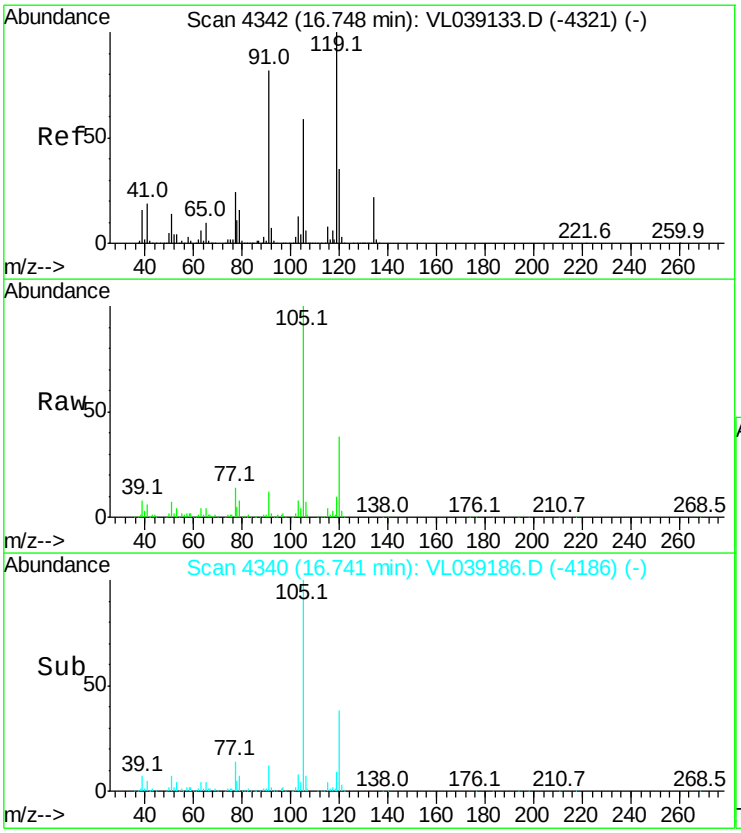
#64
n-propylbenzene
Concen: 0.06 ppbv
RT: 15.55
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion:120 Resp: 8188

Ion	Ratio	Lower	Upper
120	100		
91	1069.3	388.4	582.6#

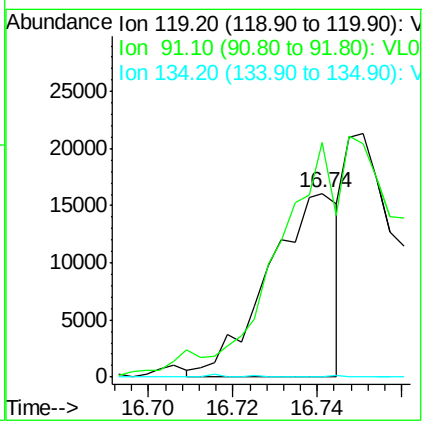


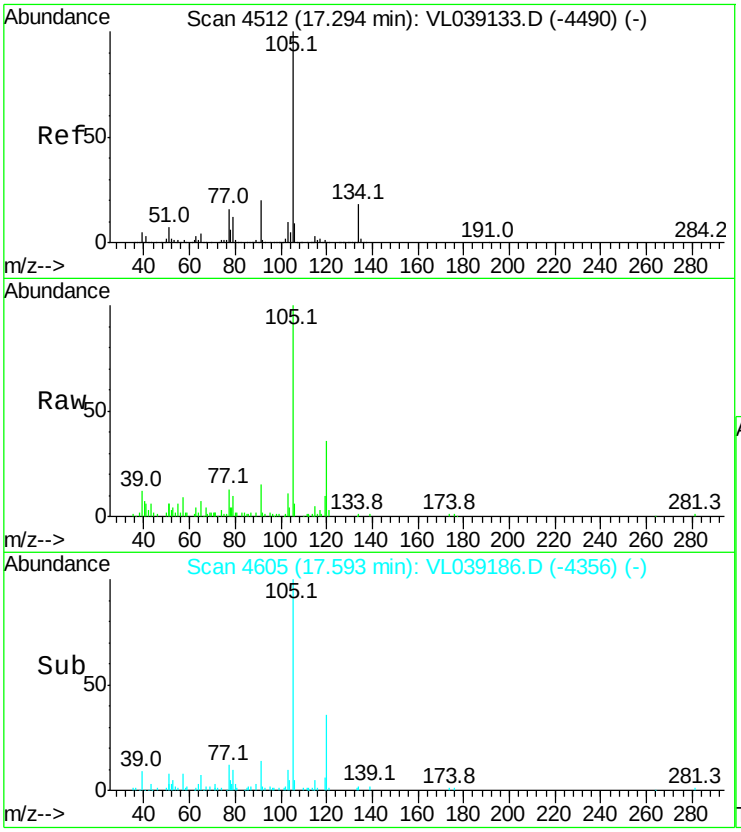


#65
tert-Butylbenzene
Concen: 0.04 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.01 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion:119 Resp: 18497

Ion	Ratio	Lower	Upper
119	100		
91	0.0	67.1	100.7#
134	0.0	15.8	23.8#



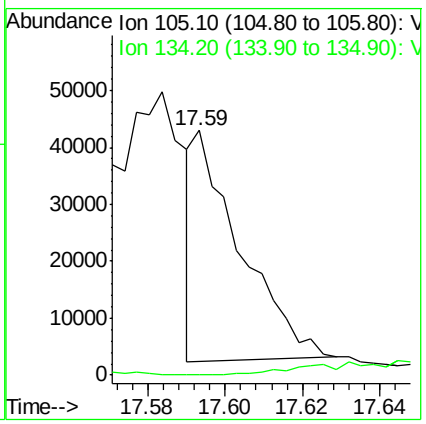


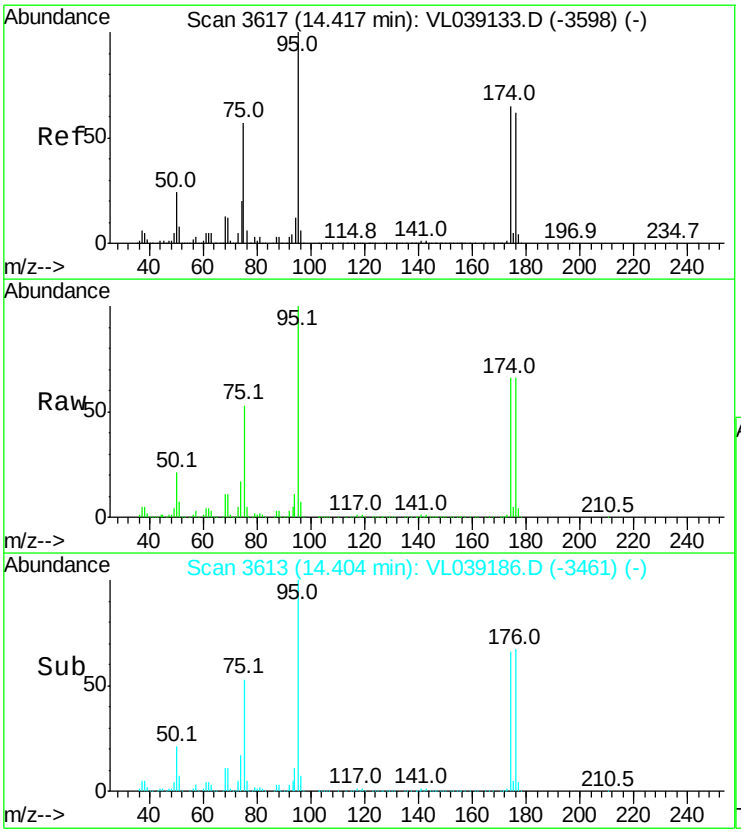
#67
sec-Butylbenzene
Concen: 0.05 ppbv
RT: 17.59
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion:105 Resp: 33563

Ion	Ratio	Lower	Upper
105	100		
134	17.0	14.4	21.6

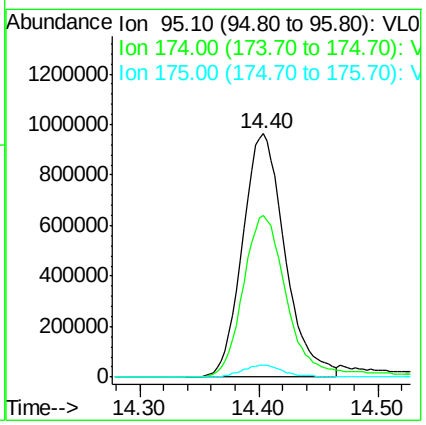


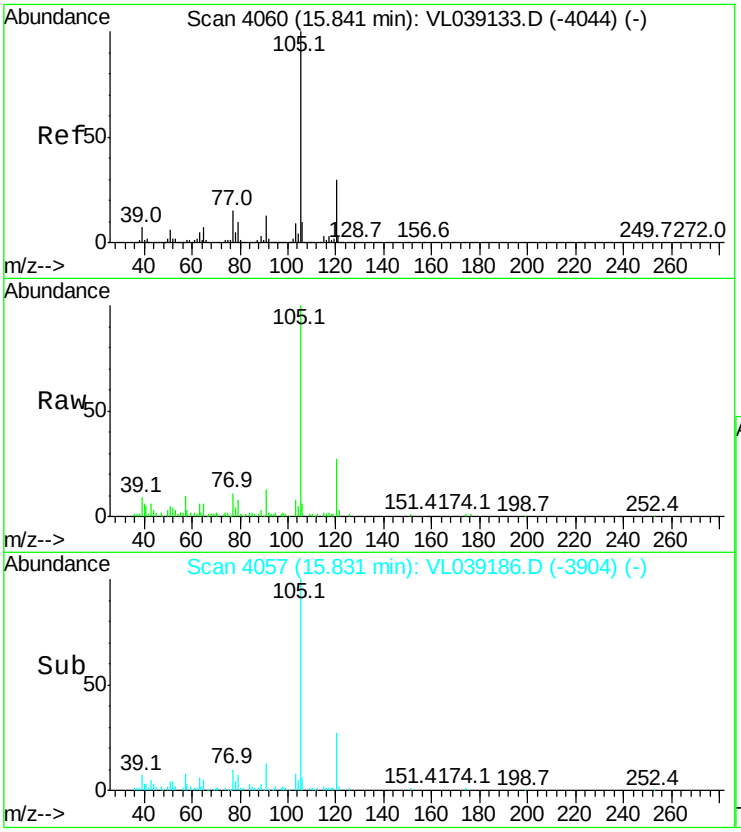


#68
1-Bromo-4-Fluorobenzene
Concen: 9.45 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.01 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion: 95 Resp: 2384029

Ion	Ratio	Lower	Upper
95	100		
174	71.3	53.8	80.8
175	5.0	4.1	6.1



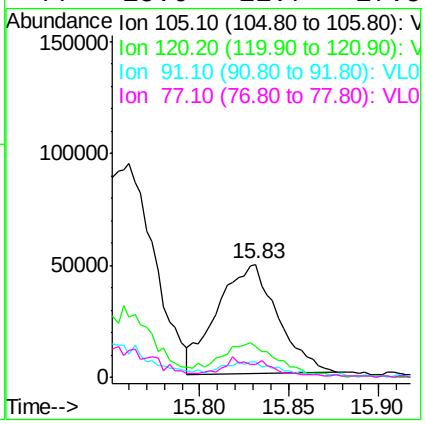


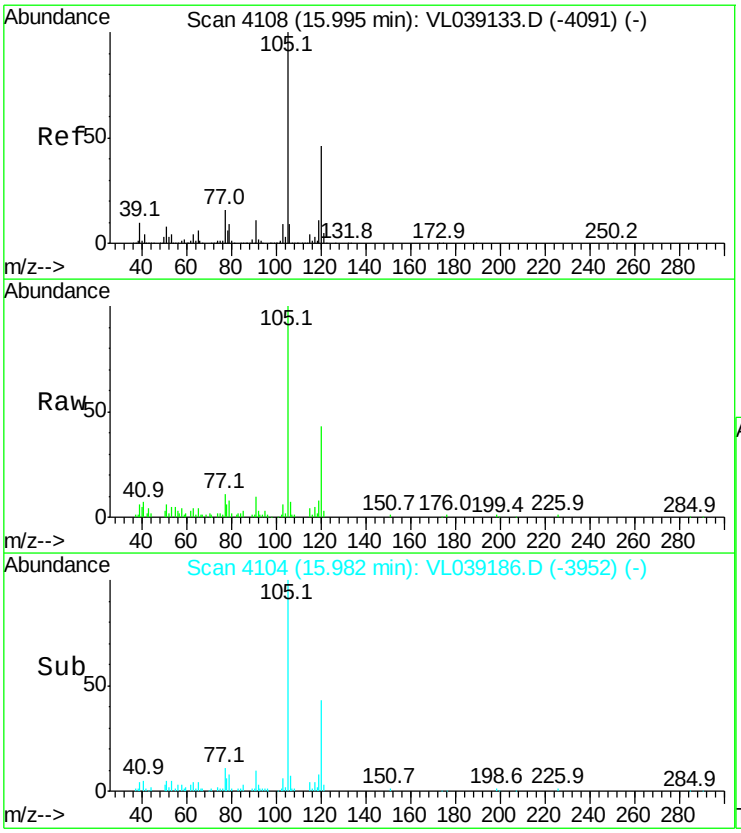
#72
4-Ethyltoluene
Concen: 0.28 ppbv
RT: 15.83
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion:105 Resp: 114866

Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.9	35.9
91	15.0	10.6	16.0
77	15.6	11.7	17.5

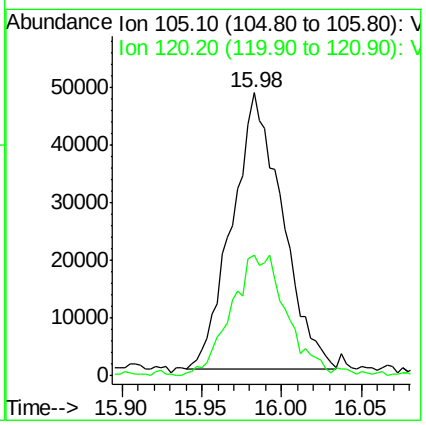


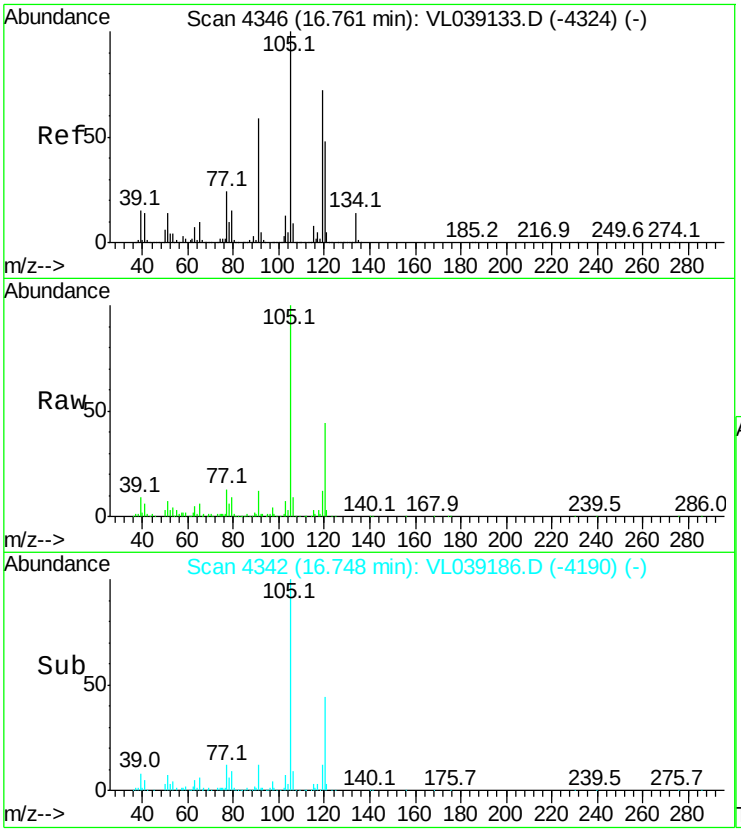


#73
1,3,5-Trimethylbenzene
Concen: 0.28 ppbv
RT: 15.98 min Scan# 4104
Delta R.T. -0.01 min
Lab File: VL039186.D
Acq: 6 Jun 2022 14:52

Tgt Ion:105 Resp: 102963

Ion	Ratio	Lower	Upper
105	100		
120	42.4	36.7	55.1





#74
1,2,4-Trimethylbenzene
Concen: 1.00 ppbv
RT: 16.75
Delta R.T
Lab File:
Acq: 6 Jun 2022 14:52

Instrument :
MSVOA_L
ClientSampleId :
SG-5DL

Tgt Ion:105 Resp: 411048

Ion	Ratio	Lower	Upper
105	100		
120	44.0	38.1	57.1
91	11.6	47.4	71.0#
77	12.7	19.5	29.3#