Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
I

Quant Time: Oct 28 08:12:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Mon Oct 24 20:00:55 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.205	49	866553	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.658	114	2307879	10.000	ppbv		0.00
55) Chlorobenzene-d5	11.465	117	2001538	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.774	95	1450362	10.186	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.819	85	3148	0.035	ppbv		97
3) Chlorodifluoromethane	2.690	51	1051732	10.104	ppbv	#	62
4) Chloromethane	2.832	50	19293	0.296	ppbv	#	84
7) Chloroethane	3.221	64	669	0.034	ppbv	#	42
9) Propene	2.710	41	674154	15.073	ppbv		92
10) Heptane	7.590	43	24286	0.227	ppbv	#	35
11) Trichlorofluoromethane	3.584	101	31444	0.248	ppbv		95
12) 1,1,2-Trichlorotrifluo...	4.083	101	3175	0.032	ppbv	#	1
13) Ethanol	3.269	45	9980	3.107	ppbv	#	37
15) Acetone	3.494	43	611348	5.907	ppbv		100
16) 1,3-Butadiene	2.989	39	181160	3.541	ppbv	#	72
20) Methylene Chloride	3.951	84	17710	0.450	ppbv		92
23) Vinyl Acetate	4.642	43	1958	0.049	ppbv	#	1
25) Ethyl Acetate	5.221	43	76703	0.379	ppbv	#	77
26) Hexane	5.224	57	98348	1.169	ppbv	#	36
27) Carbon Disulfide	4.137	76	18051	0.181	ppbv	#	49
29) Chloroform	5.282	83	49405	0.374	ppbv	#	80
30) Cyclohexane	6.619	84	3295	0.048	ppbv	#	1
34) 2-Butanone	4.816	43	23708	0.218	ppbv	#	24
36) Benzene	6.378	78	211986	1.193	ppbv		98
39) 1,2-Dichloropropane	6.658	63	564072	8.238	ppbv	#	25
53) Toluene	9.227	91	206665	1.110	ppbv		100
58) Ethyl Benzene	12.082	91	10094	0.044	ppbv		91
60) o-Xylene	13.063	91	29649	0.154	ppbv		98
74) 1,2,4-Trimethylbenzene	16.108	105	17751	0.079	ppbv	#	65
80) Naphthalene,2-methyl-	24.387	142	2118	0.045	ppbv	#	39

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

Quantitation Report (Not Reviewed)

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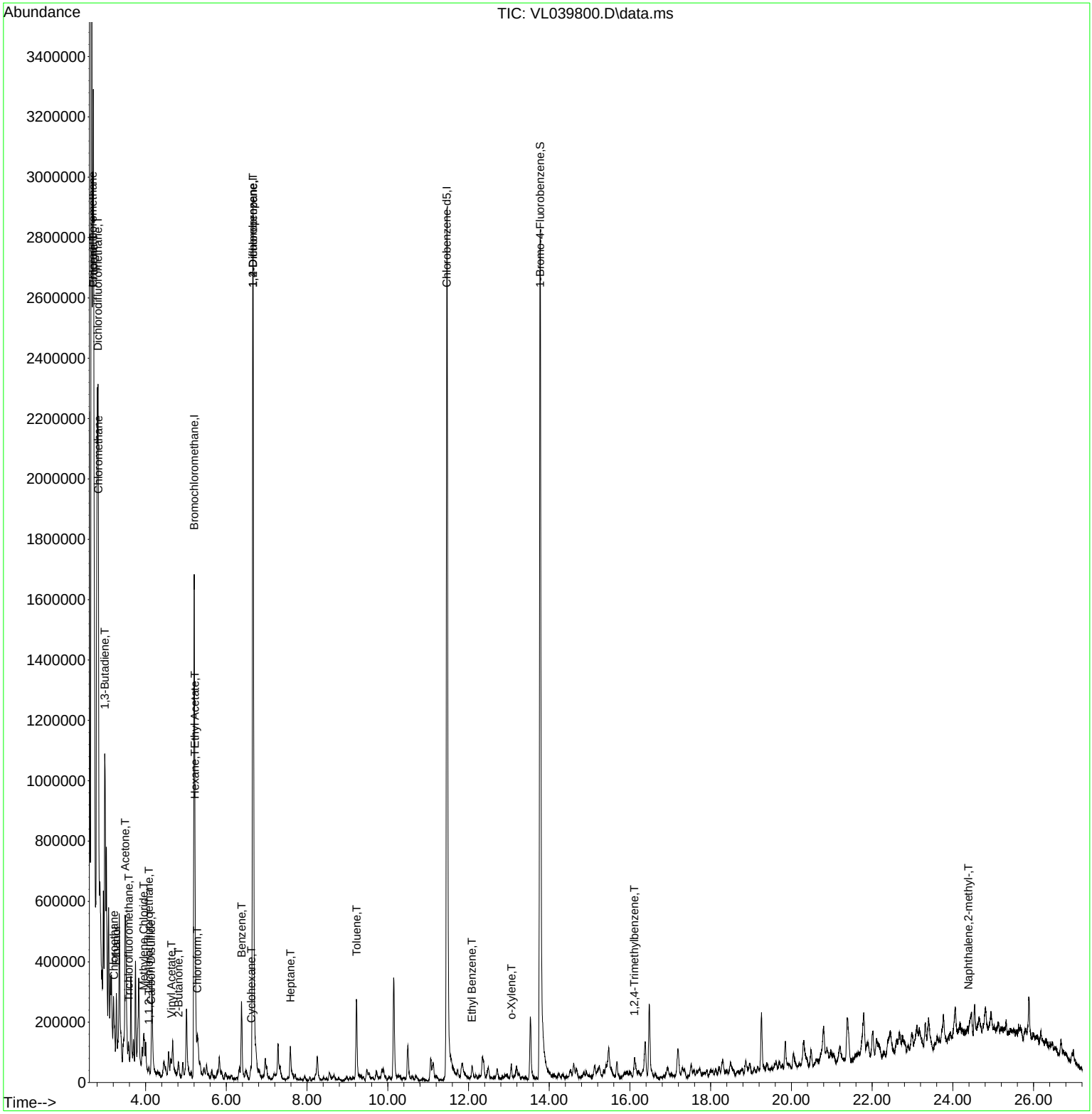
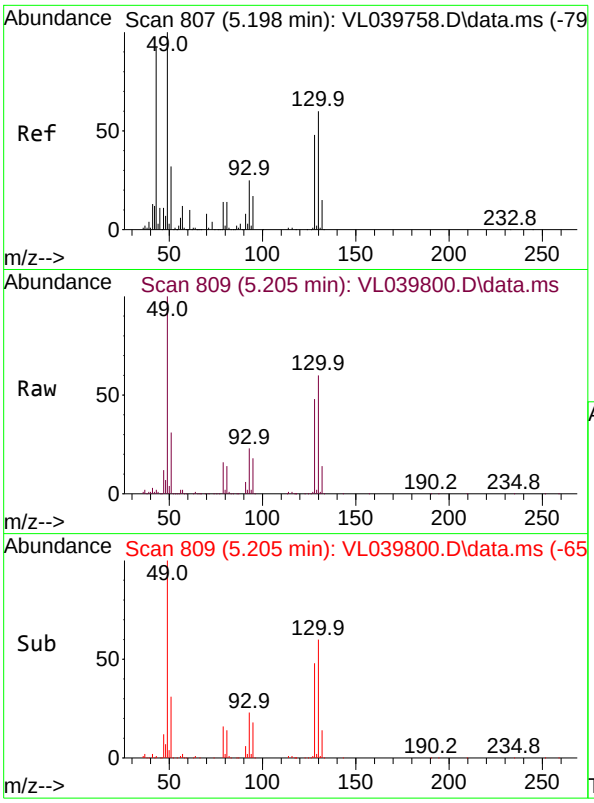


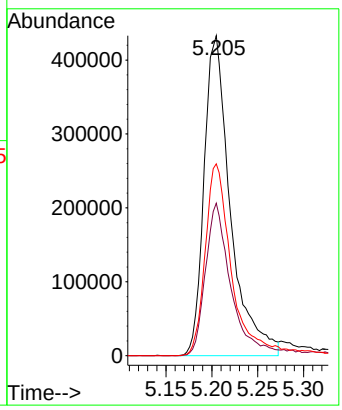


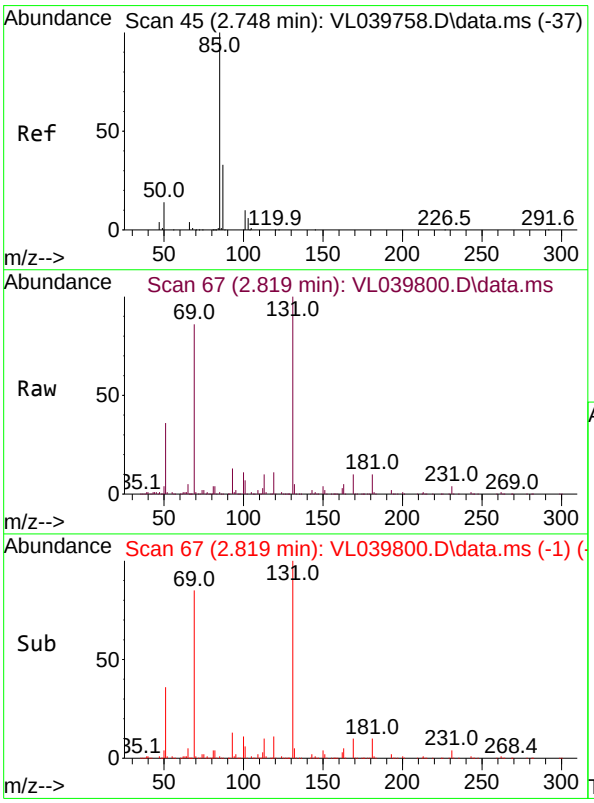
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 49 Resp: 866553

Ion	Ratio	Lower	Upper
49	100		
128	48.7	24.6	74.0
130	61.3	31.8	95.3

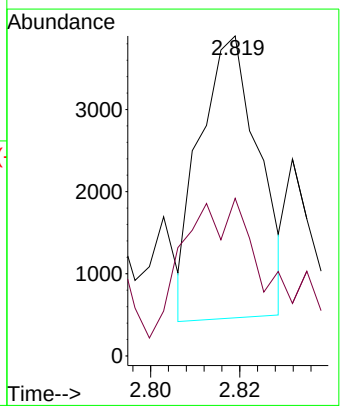


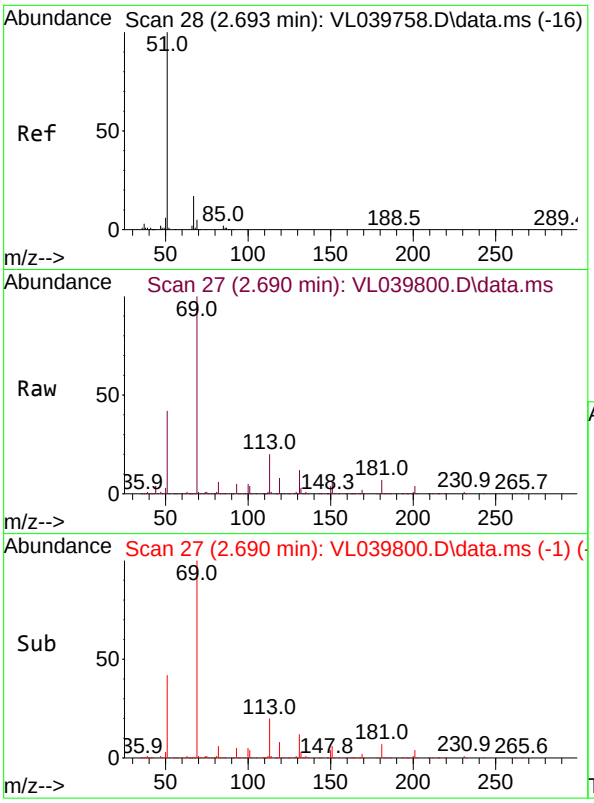


#2
Dichlorodifluoromethane
Concen: 0.035 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.071 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 85 Resp: 3148

Ion	Ratio	Lower	Upper
85	100		
87	30.8	26.1	39.1



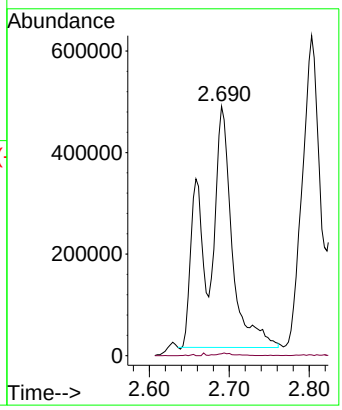


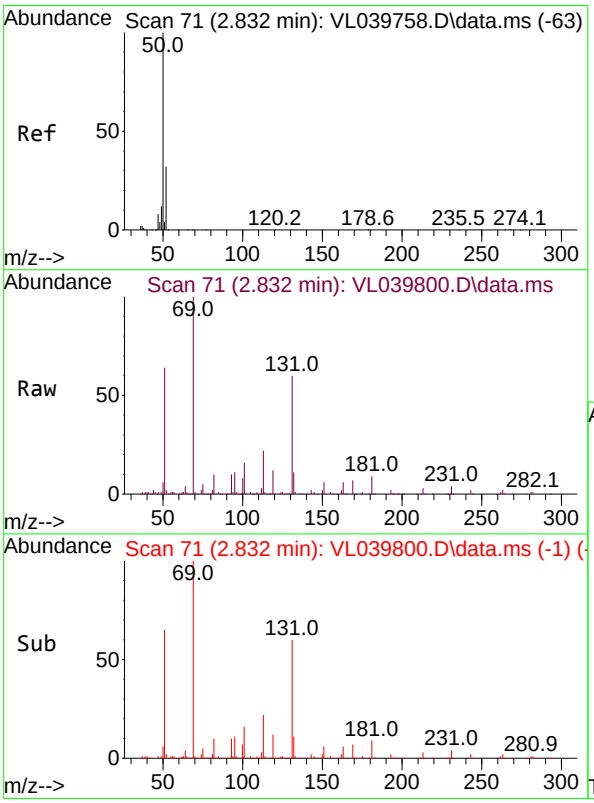
#3
Chlorodifluoromethane
Concen: 10.104 ppbv
RT: 2.690 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 51 Resp: 1051732

Ion	Ratio	Lower	Upper
51	100		
67	0.8	14.2	21.2#

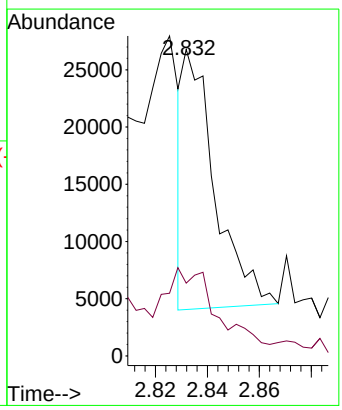


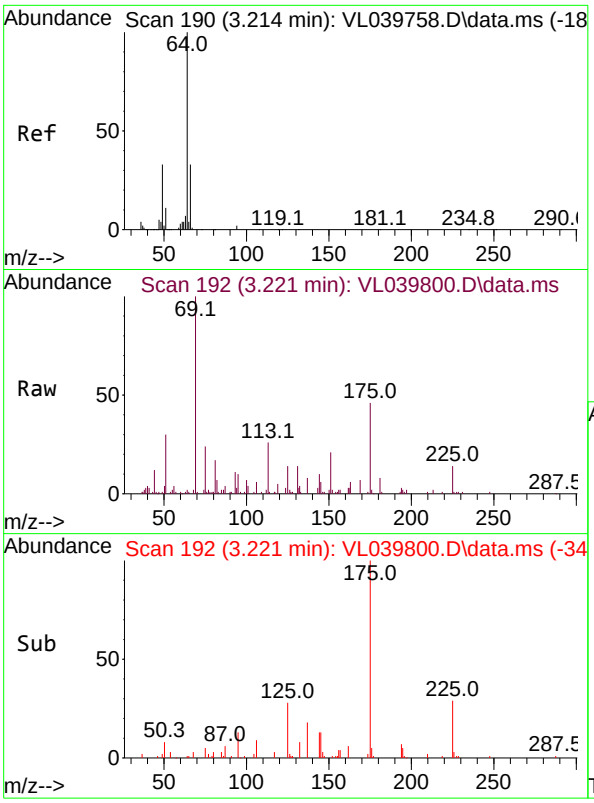


#4
Chloromethane
Concen: 0.296 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.000 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 50 Resp: 19293

Ion	Ratio	Lower	Upper
50	100		
52	23.4	25.9	38.9#



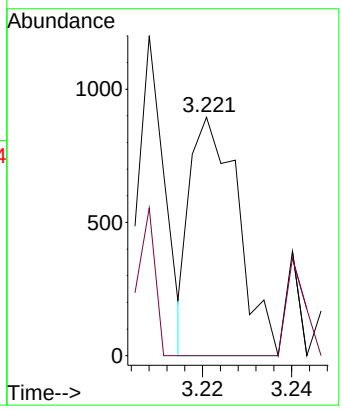


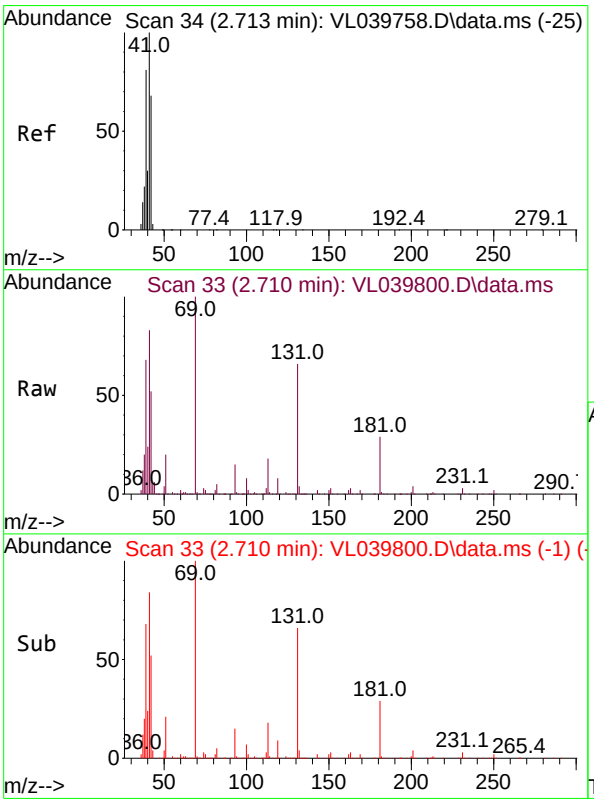
#7
Chloroethane
Concen: 0.034 ppbv
RT: 3.221 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 64 Resp: 669

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.3	39.5#

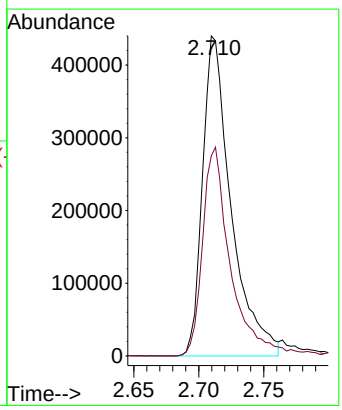


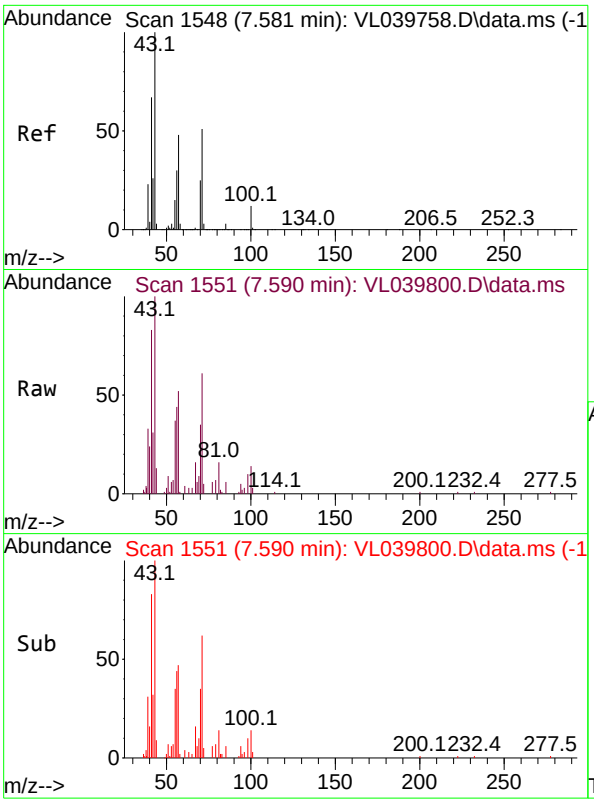


#9
Propene
Concen: 15.073 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.003 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 41 Resp: 674154

Ion	Ratio	Lower	Upper
41	100		
42	65.4	58.0	87.0



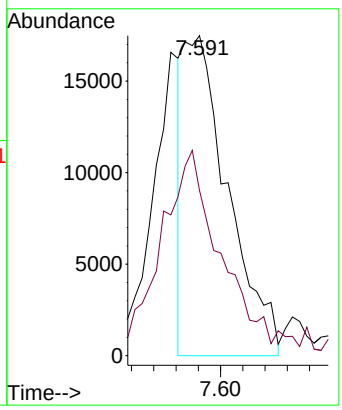


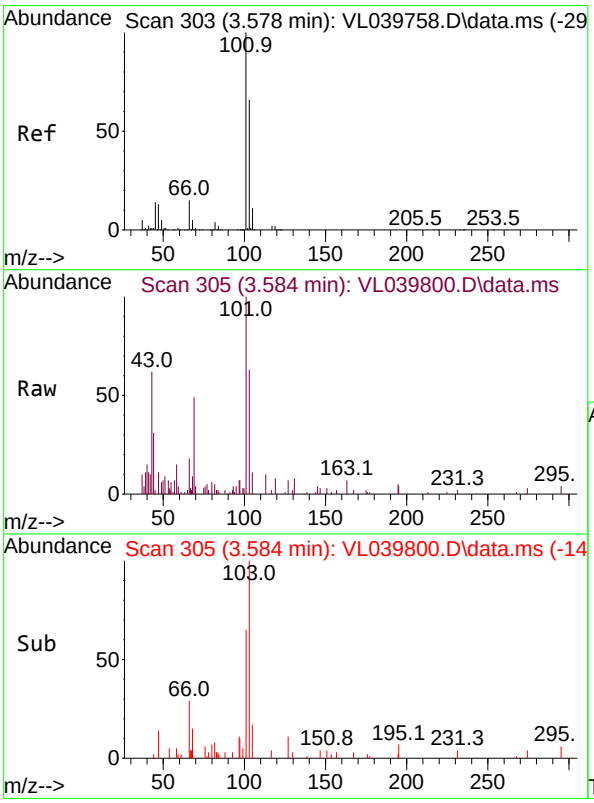
#10
Heptane
Concen: 0.227 ppbv
RT: 7.590 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 43 Resp: 24286

Ion	Ratio	Lower	Upper
43	100		
57	94.8	40.0	60.0#

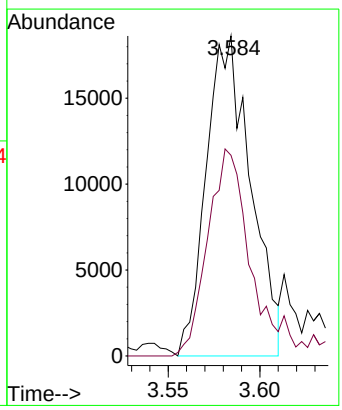


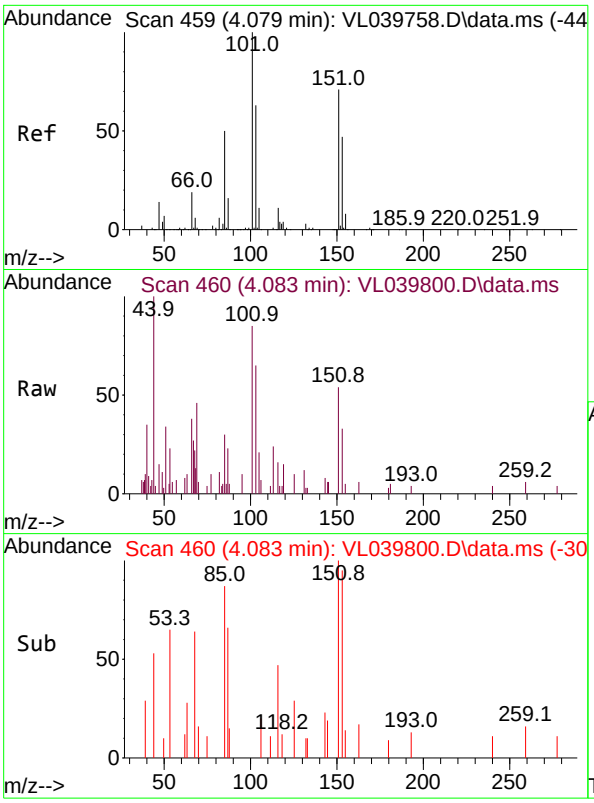


#11
Trichlorofluoromethane
Concen: 0.248 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.007 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion:101 Resp: 31444

Ion	Ratio	Lower	Upper
101	100		
103	61.6	52.7	79.1



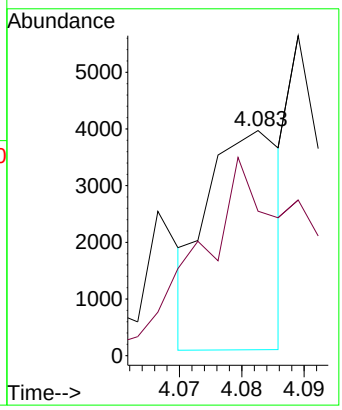


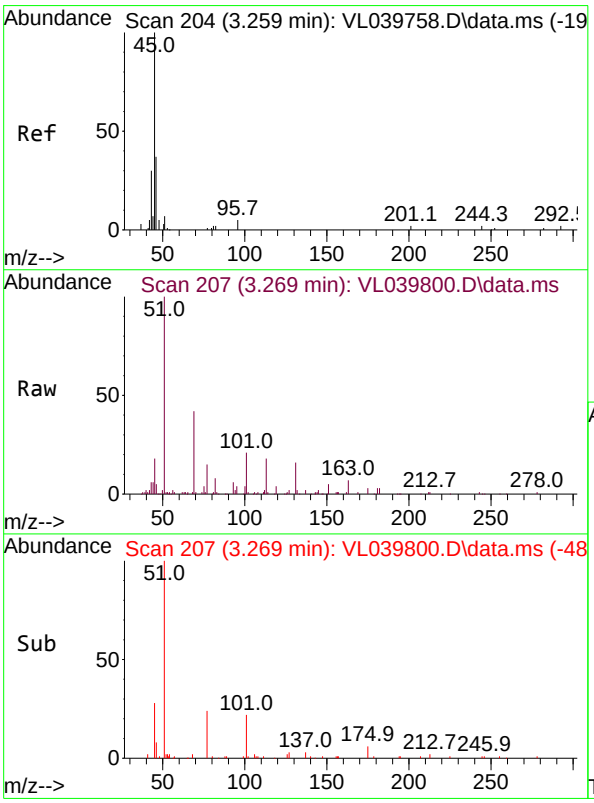
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.032 ppbv
RT: 4.083 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion:101 Resp: 3175

Ion	Ratio	Lower	Upper
101	100		
151	176.1	56.6	84.8#

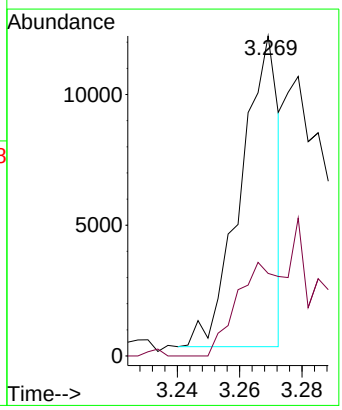


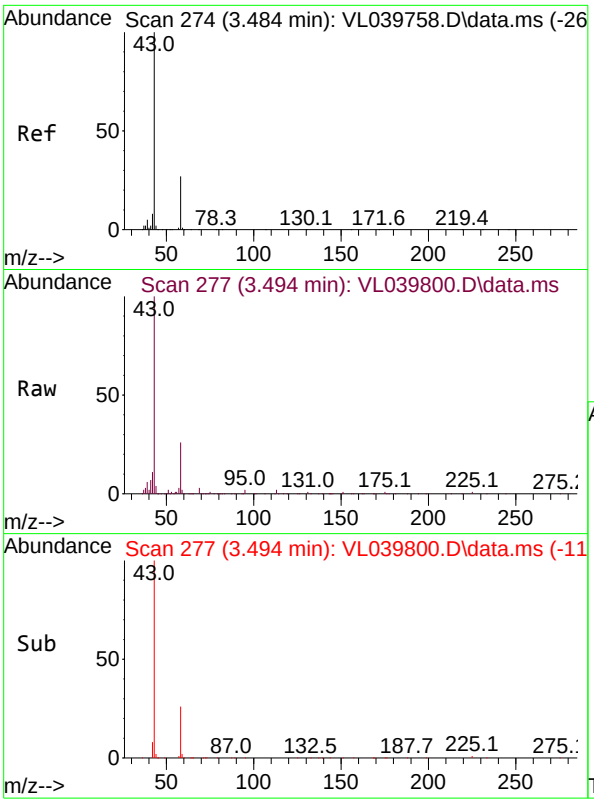


#13
Ethanol
Concen: 3.107 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.010 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 45 Resp: 9980

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.3	61.3#



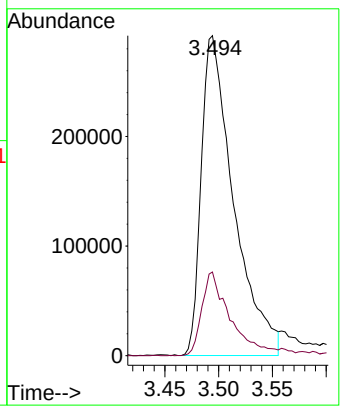


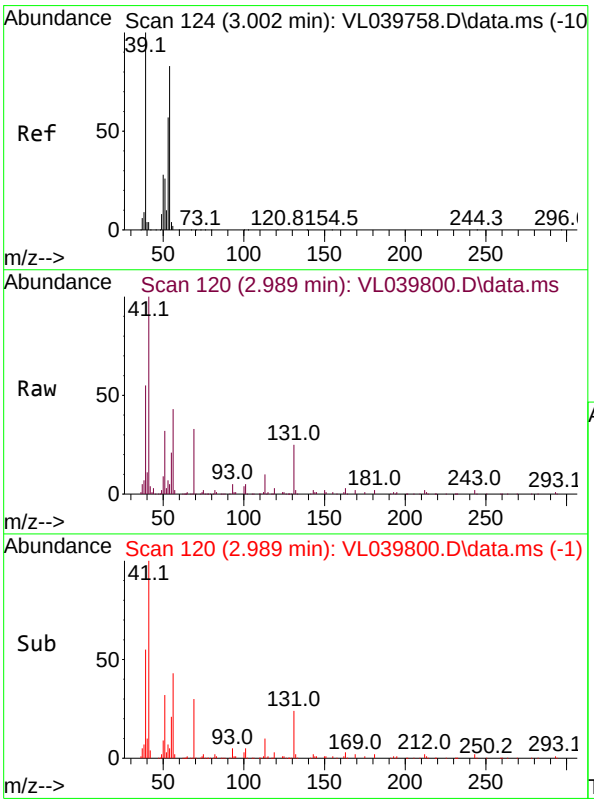
#15
Acetone
Concen: 5.907 ppbv
RT: 3.494 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 43 Resp: 611348

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.7	31.1

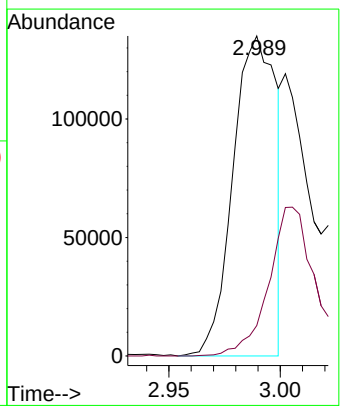


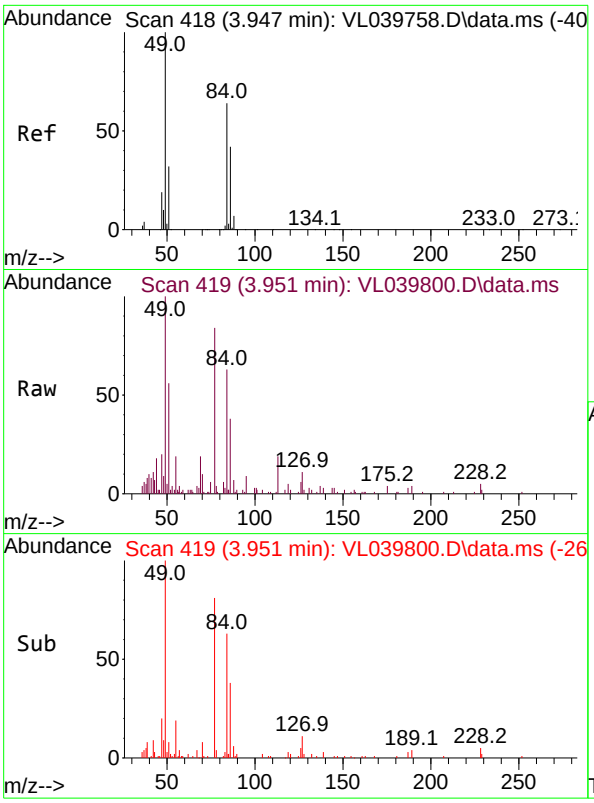


#16
1,3-Butadiene
Concen: 3.541 ppbv
RT: 2.989 min Scan# 120
Delta R.T. -0.013 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 39 Resp: 181160

Ion	Ratio	Lower	Upper
39	100		
54	55.7	64.6	97.0#



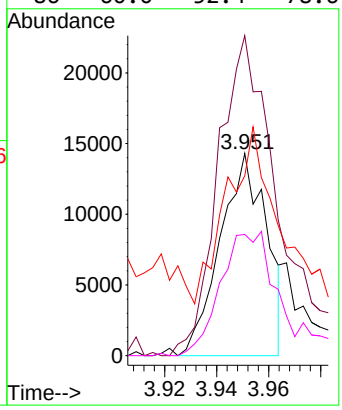


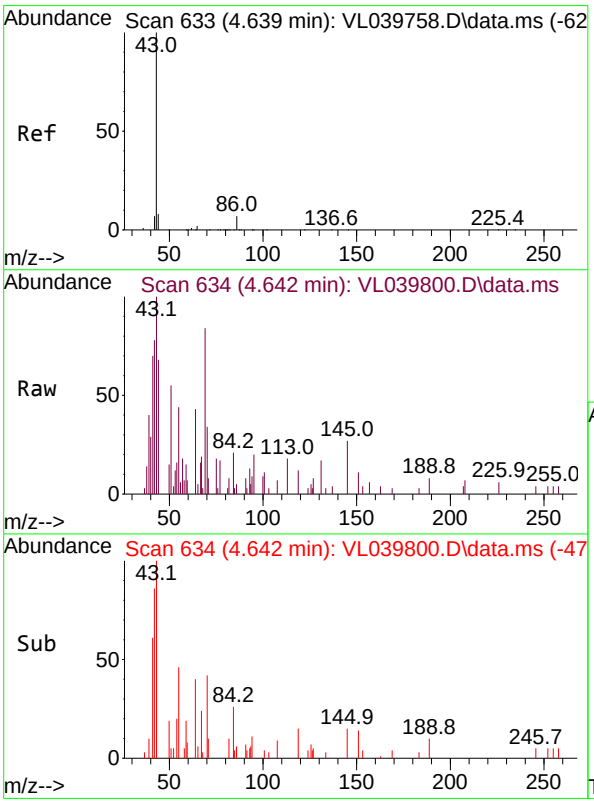
#20
Methylene Chloride
Concen: 0.450 ppbv
RT: 3.951 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 84 Resp: 17710

Ion	Ratio	Lower	Upper
84	100		
49	147.6	126.0	189.0
51	44.4	40.9	61.3
86	60.0	52.4	78.6

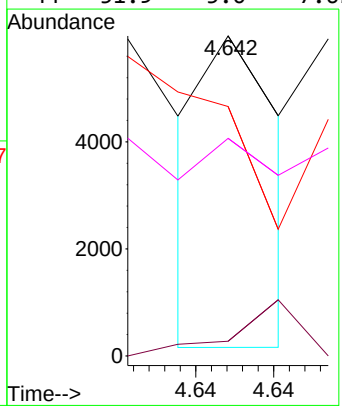


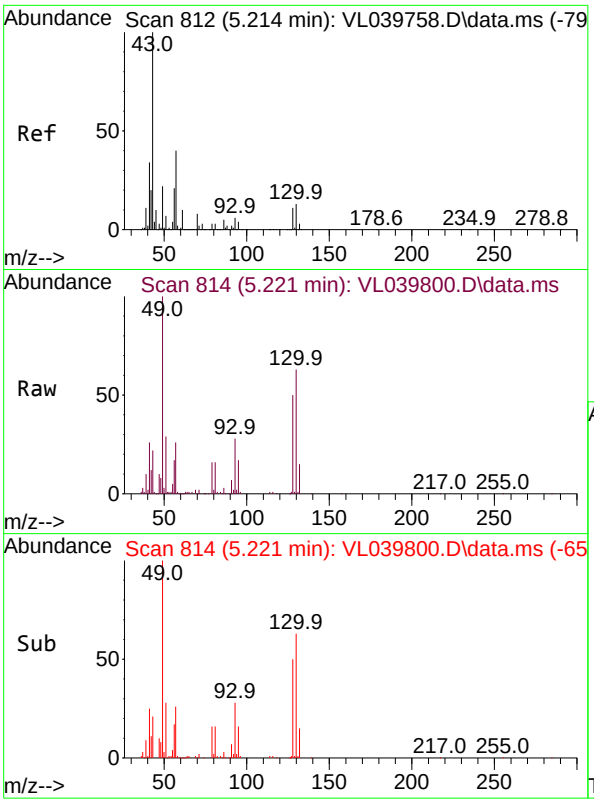


#23
Vinyl Acetate
Concen: 0.049 ppbv
RT: 4.642 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 43 Resp: 1958

Ion	Ratio	Lower	Upper
43	100		
86	3.7	4.9	7.3#
42	153.0	7.2	10.8#
44	51.9	5.0	7.6#



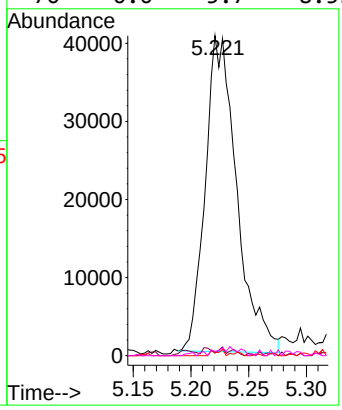


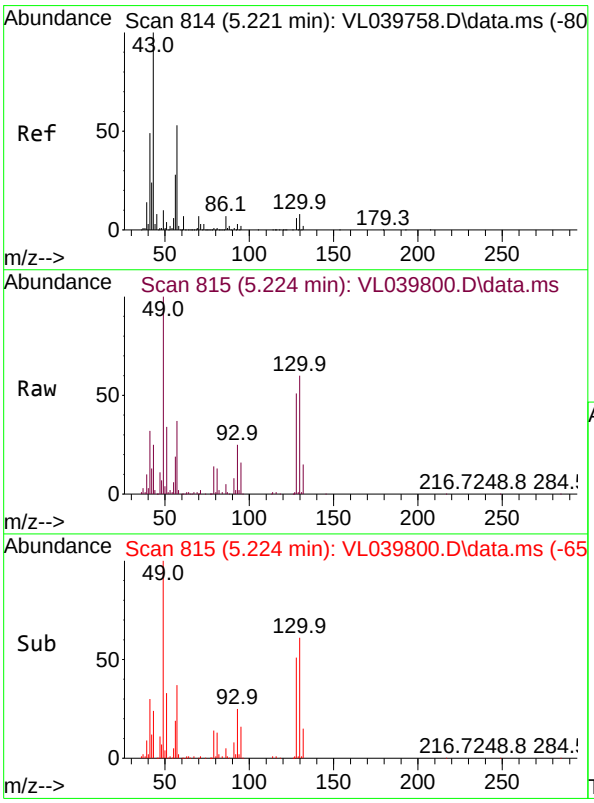
#25
Ethyl Acetate
Concen: 0.379 ppbv
RT: 5.221 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 43 Resp: 76703

Ion	Ratio	Lower	Upper
43	100		
45	2.2	8.2	12.2#
61	0.6	8.2	12.4#
70	0.0	5.7	8.5#

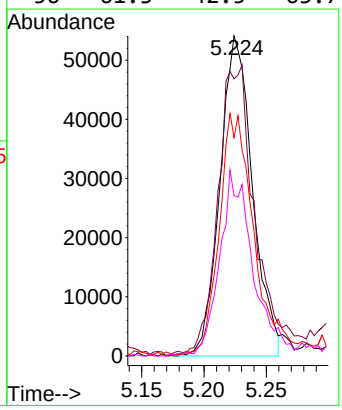


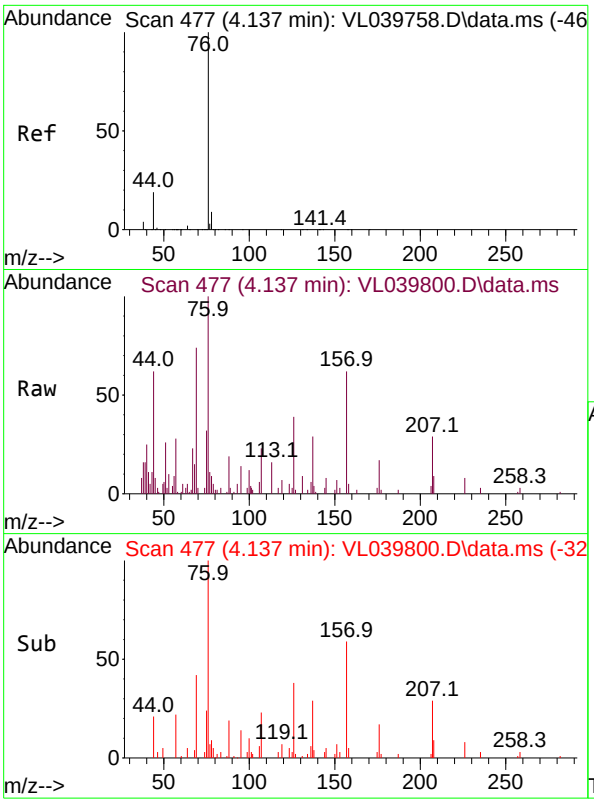


#26
Hexane
Concen: 1.169 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 57 Resp: 98348

Ion	Ratio	Lower	Upper
57	100		
41	103.7	76.1	114.1
43	80.3	197.1	295.7#
56	61.3	42.5	63.7



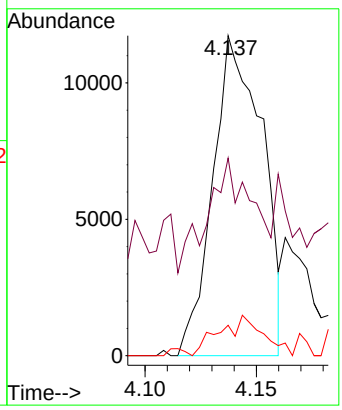


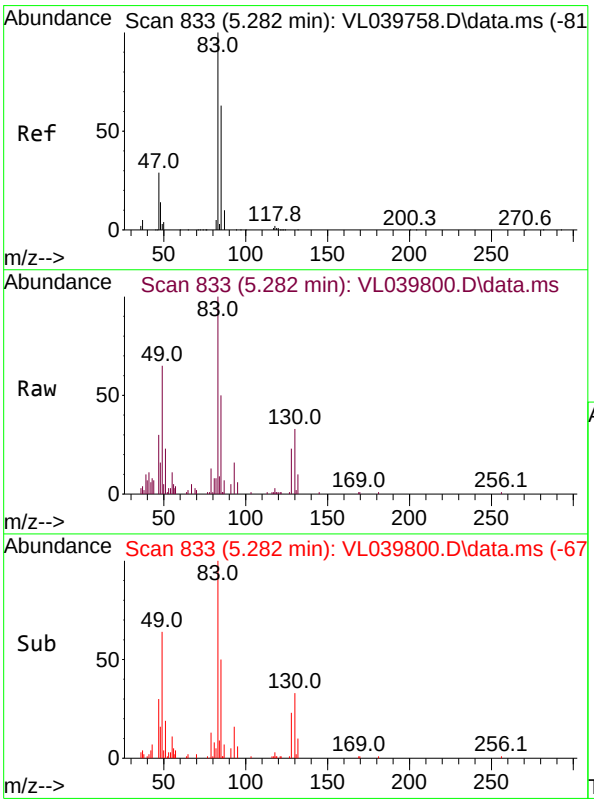
#27
Carbon Disulfide
Concen: 0.181 ppbv
RT: 4.137 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 76 Resp: 18051

Ion	Ratio	Lower	Upper
76	100		
44	53.8	16.6	25.0#
78	11.8	7.6	11.4#

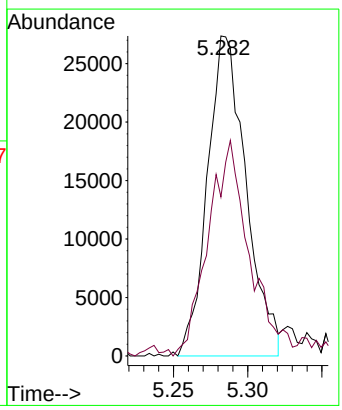


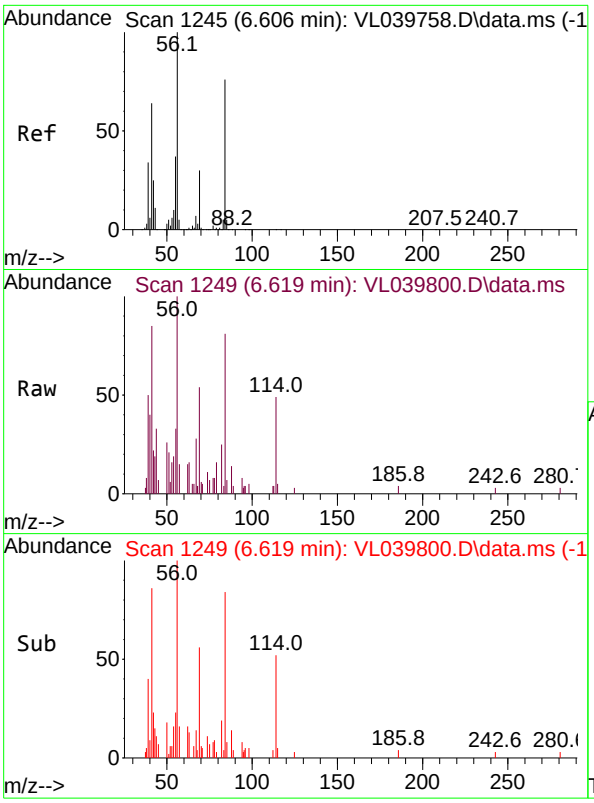


#29
Chloroform
Concen: 0.374 ppbv
RT: 5.282 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 83 Resp: 49405

Ion	Ratio	Lower	Upper
83	100		
85	47.6	50.4	75.6#



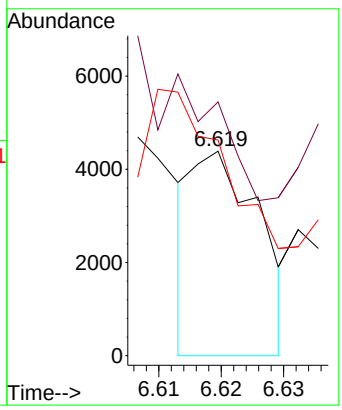


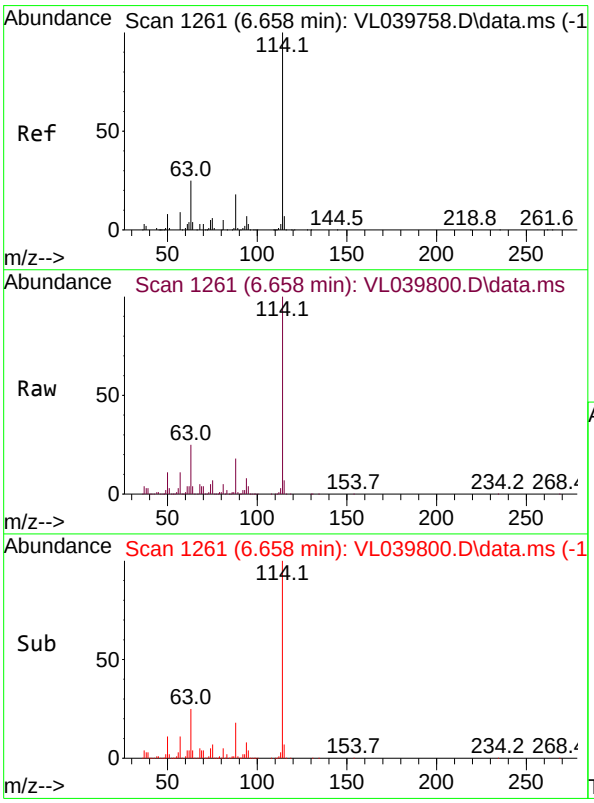
#30
Cyclohexane
Concen: 0.048 ppbv
RT: 6.619 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 84 Resp: 3295

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.8	167.6#
41	0.0	71.5	107.3#

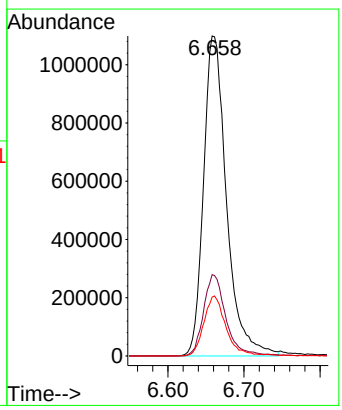


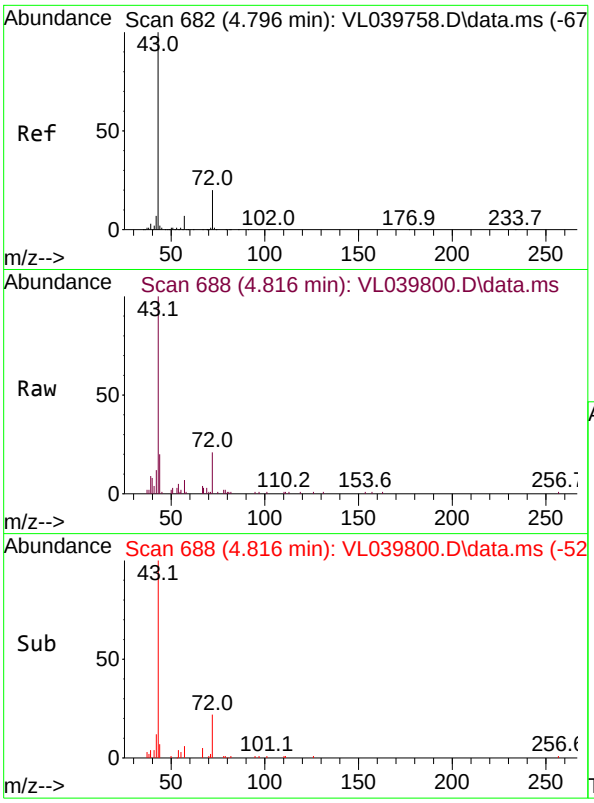


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion:114 Resp: 2307879

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.1	30.1
88	18.4	14.5	21.7



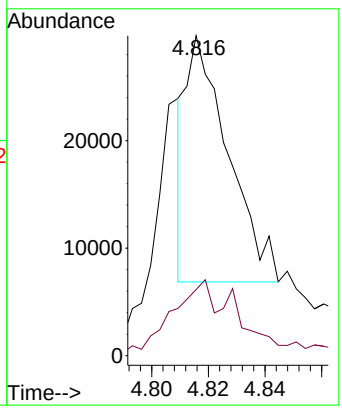


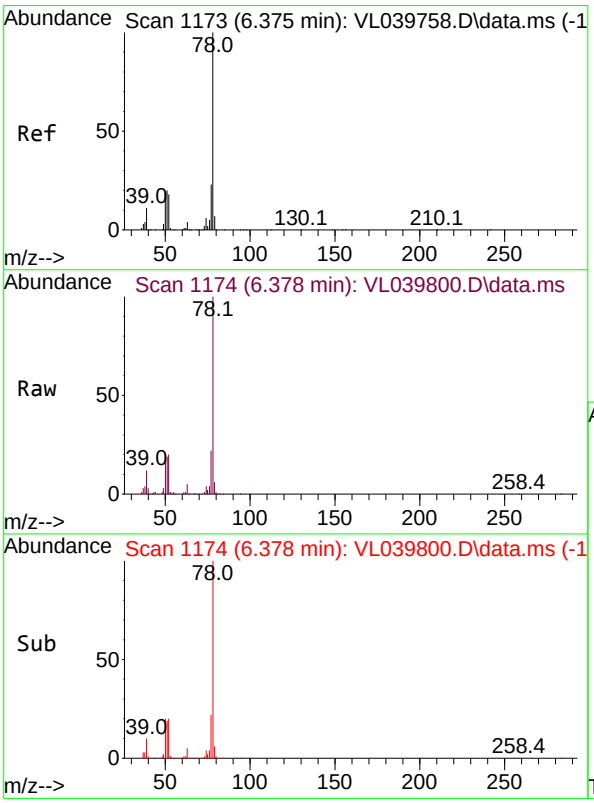
#34
2-Butanone
Concen: 0.218 ppbv
RT: 4.816 min Scan# 6
Delta R.T. 0.019 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 43 Resp: 23708

Ion	Ratio	Lower	Upper
43	100		
72	55.8	16.5	24.7#

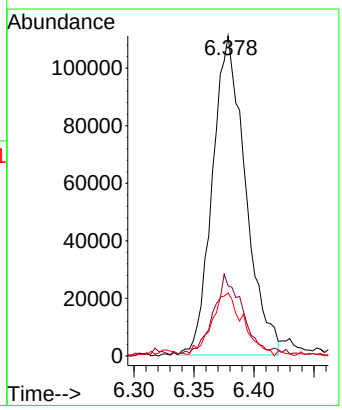


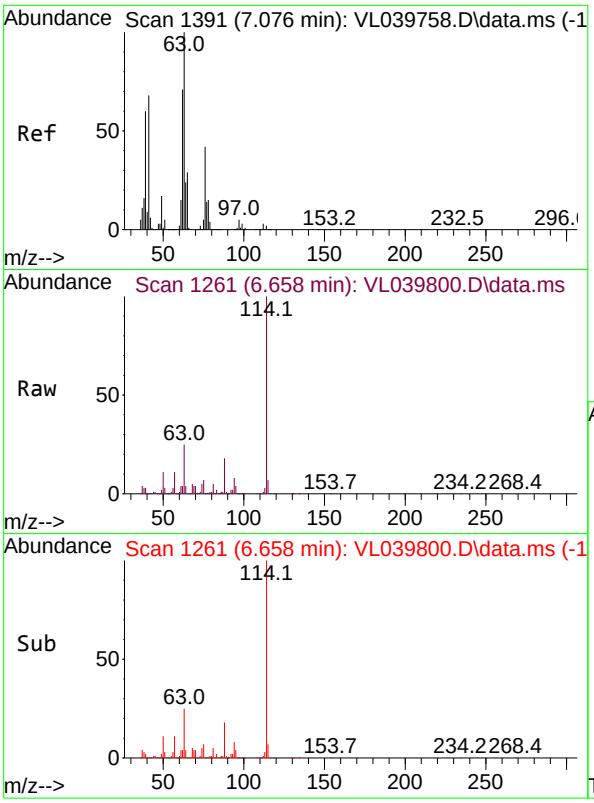


#36
Benzene
Concen: 1.193 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.003 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 78 Resp: 211986

Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.3	27.5
50	19.2	15.2	22.8



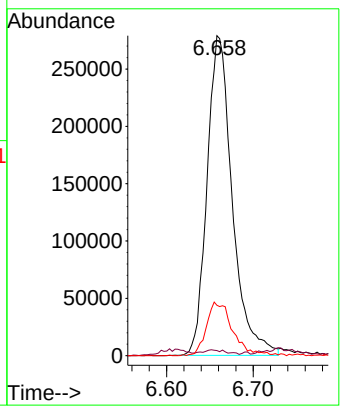


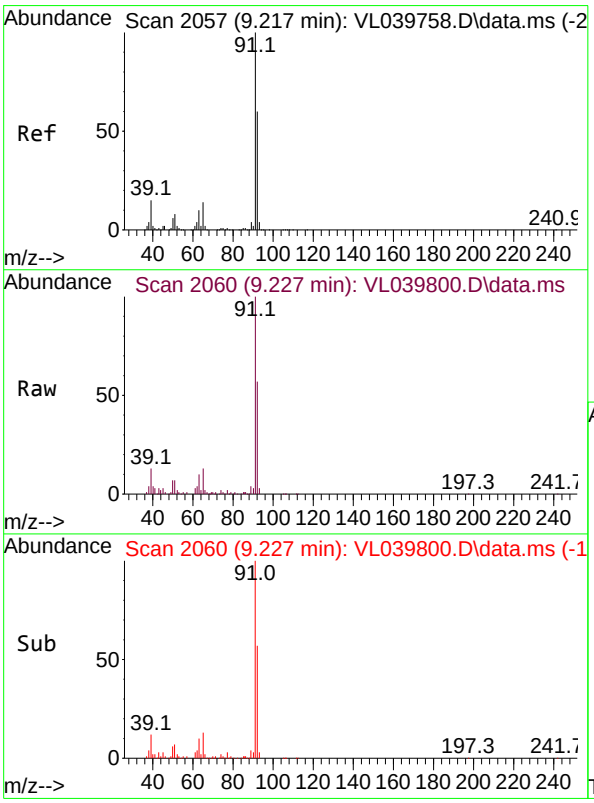
#39
1,2-Dichloropropane
Concen: 8.238 ppbv
RT: 6.658 min Scan# 1
Delta R.T. -0.418 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 63 Resp: 564072

Ion	Ratio	Lower	Upper
63	100		
41	0.0	54.5	81.7#
62	15.6	56.6	85.0#

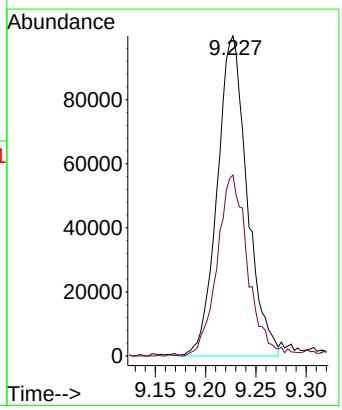


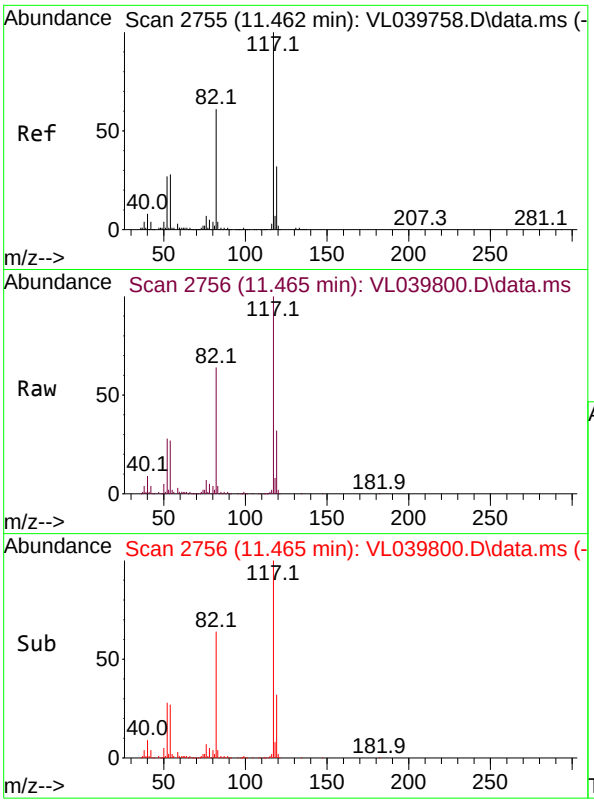


#53
Toluene
Concen: 1.110 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. 0.010 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 91 Resp: 206665

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.0	72.0



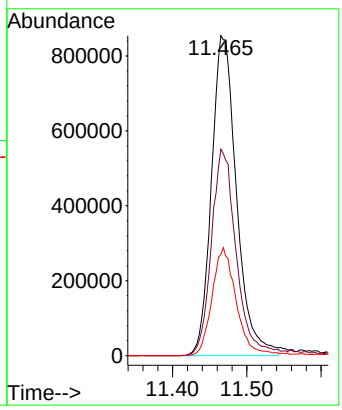


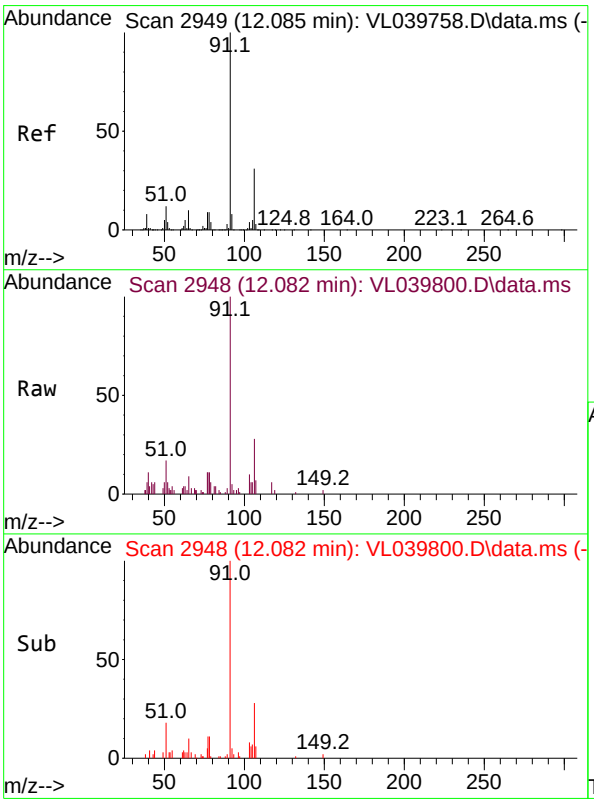
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion:117 Resp: 2001538

Ion	Ratio	Lower	Upper
117	100		
82	66.1	49.9	74.9
119	33.1	25.2	37.8

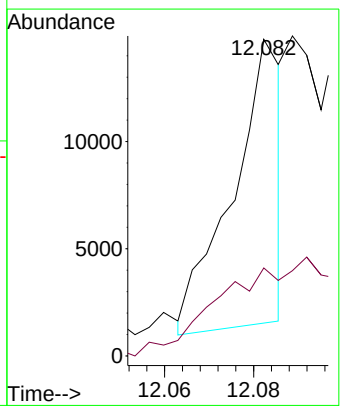


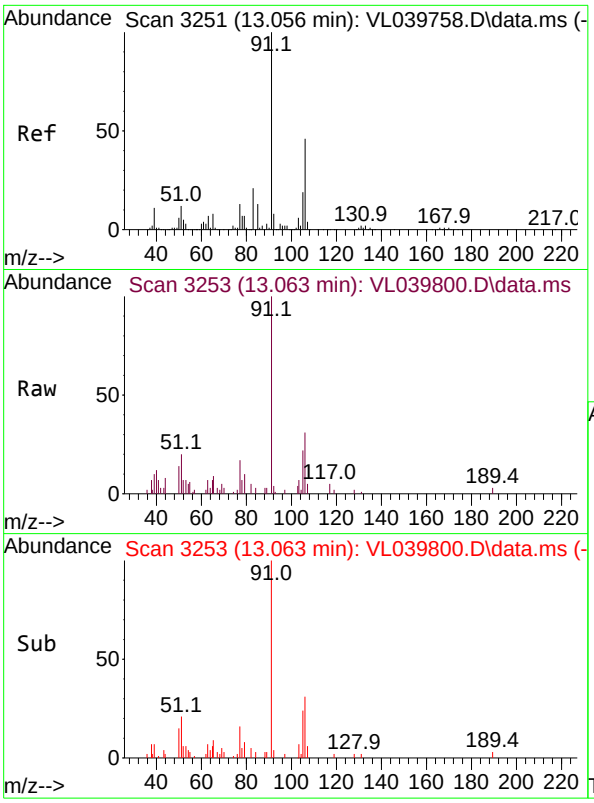


#58
Ethyl Benzene
Concen: 0.044 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 91 Resp: 10094

Ion	Ratio	Lower	Upper
91	100		
106	25.7	24.6	36.8



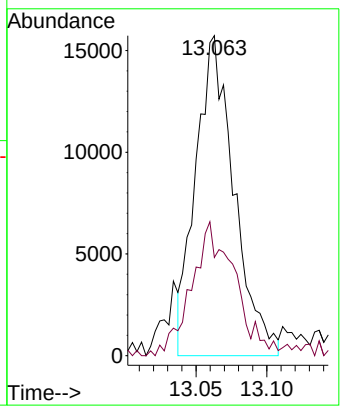


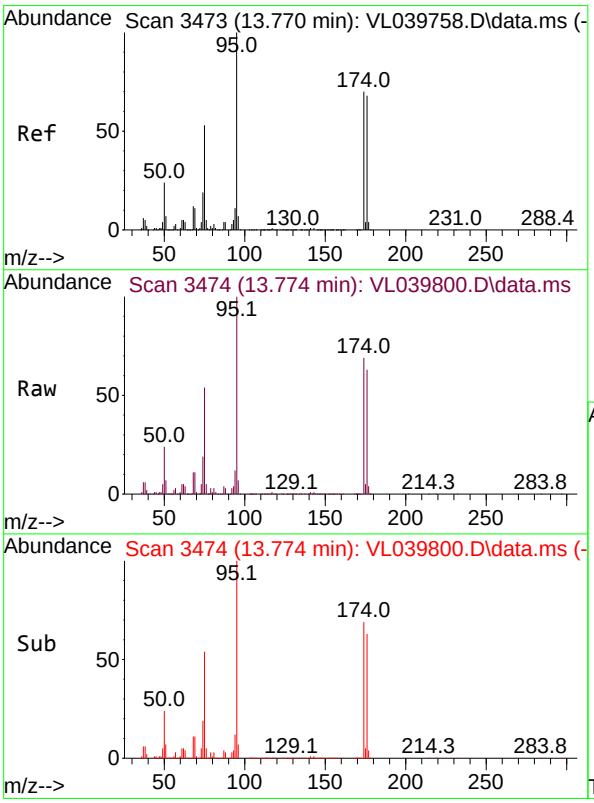
#60
o-Xylene
Concen: 0.154 ppbv
RT: 13.063 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion: 91 Resp: 29649

Ion	Ratio	Lower	Upper
91	100		
106	47.3	22.9	68.8

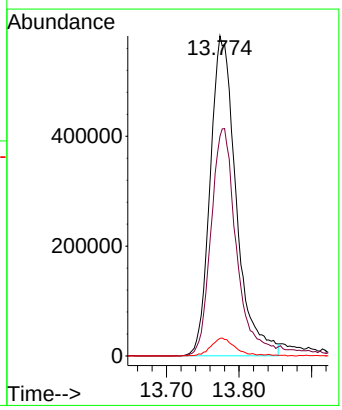


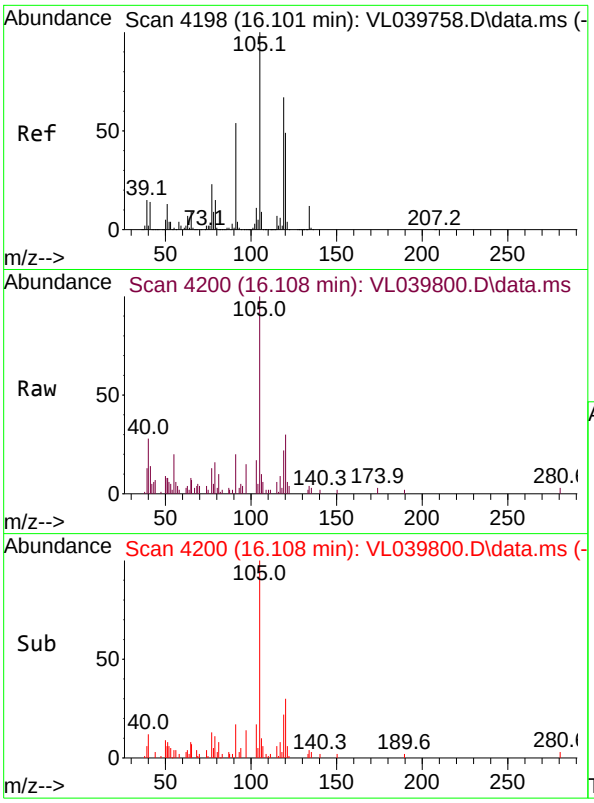


#68
1-Bromo-4-Fluorobenzene
Concen: 10.186 ppbv
RT: 13.774 min Scan# 3474
Delta R.T. 0.003 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion: 95 Resp: 1450362

Ion	Ratio	Lower	Upper
95	100		
174	73.1	57.3	85.9
175	5.4	4.2	6.2



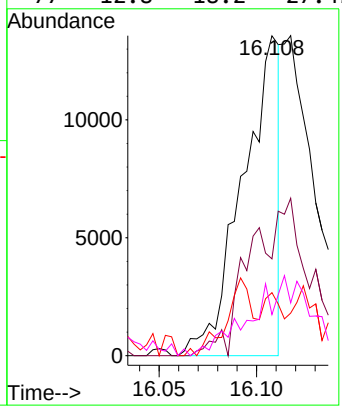


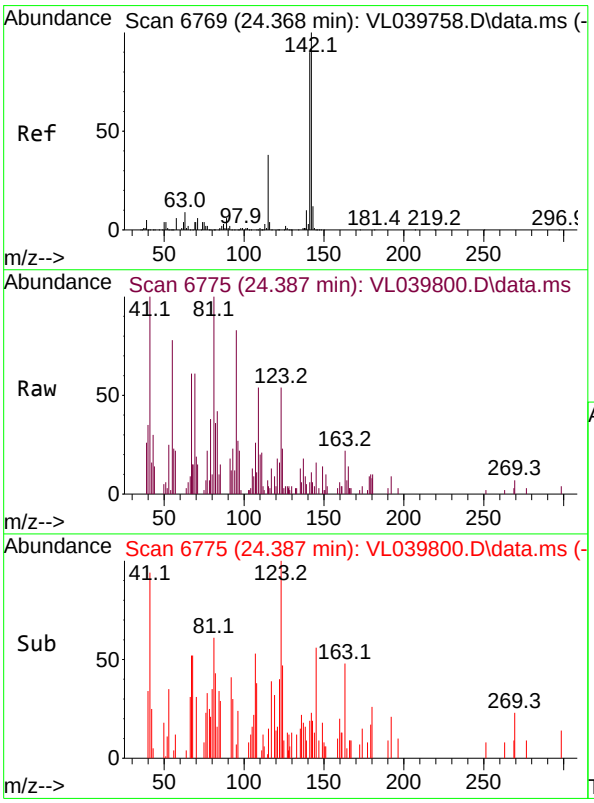
#74
1,2,4-Trimethylbenzene
Concen: 0.079 ppbv
RT: 16.108 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Instrument :
MSVOA_L
ClientSampleId :
I

Tgt Ion:105 Resp: 17751

Ion	Ratio	Lower	Upper
105	100		
120	30.3	39.6	59.4#
91	19.7	42.9	64.3#
77	12.8	18.2	27.4#





#80
Naphthalene,2-methyl-
Concen: 0.045 ppbv
RT: 24.387 min Scan# 6775
Delta R.T. 0.019 min
Lab File: VL039800.D
Acq: 25 Oct 2022 23:19

Tgt Ion:142 Resp: 2118

Ion	Ratio	Lower	Upper
142	100		
141	82.9	65.7	98.5
115	151.7	28.3	42.5#