Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080320\

Quantitation Report (Not Reviewed)

Data File : VL035316.D
Acq On : 3 Aug 2020 13:00
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Aug 03 15:03:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 03 15:02:12 2020
QLast Update : Mon Aug 03 15:02:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1435187	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3544236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3353325	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2741830	10.23	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.00	85	331716	1.935	ppbv	89
3) Chlorodifluoromethane	2.94	51	358601	2.257	ppbv	97
4) Chloromethane	3.09	50	200862	2.247	ppbv	89
5) Vinyl Chloride	3.21	62	199010	2.137	ppbv	91
6) Bromomethane	3.43	94	130961	2.277	ppbv	93
7) Chloroethane	3.51	64	75945	2.259	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	473383	2.177	ppbv	97
9) Propene	2.96	41	138824	2.507	ppbv	95
10) Heptane	8.12	43	337004	2.248	ppbv	97
11) Trichlorofluoromethane	3.91	101	521355	2.261	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	367553	2.248	ppbv	99
13) Ethanol	3.56	45	56153	2.491	ppbv	91
14) Bromoethene	3.70	108	152317	2.283	ppbv	94
15) Acetone	3.81	43	472862	2.470	ppbv	95
16) 1,3-Butadiene	3.28	39	175046	2.344	ppbv	98
17) tert-Butyl alcohol	4.26	59	392106	2.122	ppbv	100
18) 1,1-Dichloroethene	4.25	96	166487	2.293	ppbv	94
19) Isopropyl Alcohol	3.93	45	273442	2.166	ppbv #	96
20) Methylene Chloride	4.31	84	234374	2.690	ppbv	97
21) Allyl Chloride	4.38	41	259483	2.380	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	164590	2.359	ppbv	98
23) Vinyl Acetate	5.05	43	479343	2.492	ppbv #	97
24) 1,1-Dichloroethane	4.99	63	422996	2.358	ppbv	98
25) Ethyl Acetate	5.66	43	703914	2.355	ppbv	99
26) Hexane	5.67	57	331718	2.460	ppbv	96
27) Carbon Disulfide	4.52	76	410319	2.252	ppbv	96
28) Methyl tert-Butyl Ether	5.01	73	488197	2.532	ppbv	98
29) Chloroform	5.74	83	520341	2.300	ppbv	89
30) Cyclohexane	7.12	84	232325	2.410	ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	290567	2.472	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	492702	2.128	ppbv	99
34) 2-Butanone	5.22	43	439165	2.435	ppbv	96
35) Carbon Tetrachloride	7.01	117	495506	2.088	ppbv	96
36) Benzene	6.88	78	584110	2.371	ppbv	98
37) 1,2-Dichloroethane	6.29	62	381059	2.213	ppbv	99
38) Trichloroethene	7.83	130	237587	2.327	ppbv	92
39) 1,2-Dichloropropane	7.62	63	119103	1.212	ppbv	93
40) 1,4-Dioxane	7.83	88	27638	0.714	ppbv #	1
41) Tetrahydrofuran	6.04	42	207118	2.343	ppbv	99
42) Bromodichloromethane	7.79	83	523340	2.277	ppbv	98
43) Methyl Methacrylate	8.01	69	239444	2.244	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080320\

Quantitation Report (Not Reviewed)

Data File : VL035316.D
Acq On : 3 Aug 2020 13:00
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Aug 03 15:03:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 03 15:02:12 2020
QLast Update : Mon Aug 03 15:02:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	548795	1.265	ppbv	#	46
45) t-1,3-Dichloropropene	9.29	75	244492	2.274	ppbv		97
46) cis-1,3-Dichloropropene	8.71	75	297603	2.272	ppbv		90
47) 1,1,2-Trichloroethane	9.49	97	253739	2.186	ppbv		93
48) Dibromochloromethane	10.32	129	421084	2.303	ppbv		99
49) Bromoform	13.07	173	361587	2.200	ppbv		99
50) 4-Methyl-2-Pentanone	8.75	43	601848	2.303	ppbv		96
51) 2-Hexanone	10.15	43	463516	2.339	ppbv	#	98
52) Tetrachloroethene	11.24	164	216933	2.308	ppbv		95
53) Toluene	9.82	91	624647	2.386	ppbv		100
54) 1,2-Dibromoethane	10.63	107	382369	2.278	ppbv		94
56) 1,1,1,2-Tetrachloroethane	12.14	131	336099	2.180	ppbv	#	1
57) Chlorobenzene	12.17	112	557140	2.208	ppbv		99
58) Ethyl Benzene	12.73	91	426932	1.202	ppbv		91
59) m/p-Xylene	13.02	91	997239	3.016	ppbv	#	63
60) o-Xylene	13.72	91	784717	2.379	ppbv		96
61) Styrene	13.55	104	479858	2.396	ppbv		98
62) Isopropylbenzene	14.70	105	1178654	2.401	ppbv		96
63) 1,1,2,2-Tetrachloroethane	13.70	83	352476	1.242	ppbv	#	25
64) n-propylbenzene	15.59	120	299097	2.291	ppbv		81
65) tert-Butylbenzene	16.77	119	1069296	2.404	ppbv		97
66) Benzyl Chloride	17.02	91	364506	2.092	ppbv		99
67) sec-Butylbenzene	17.33	105	1528387	2.352	ppbv		97
69) p-Isopropyltoluene	17.68	119	1257809	2.372	ppbv		99
70) n-Butylbenzene	18.59	91	1355953	2.364	ppbv		98
71) 2-Chlorotoluene	15.48	91	896123	2.420	ppbv		97
72) 4-Ethyltoluene	15.87	105	898406	2.420	ppbv		99
73) 1,3,5-Trimethylbenzene	16.03	105	874453	2.415	ppbv		97
74) 1,2,4-Trimethylbenzene	16.80	105	987297	2.342	ppbv	#	86
75) 1,3-Dichlorobenzene	17.03	146	583463	2.144	ppbv		99
76) 1,4-Dichlorobenzene	17.17	146	550551	2.236	ppbv		99
77) 1,2-Dichlorobenzene	17.86	146	540541	2.217	ppbv		100
78) Hexachloro-1,3-Butadiene	23.42	225	440302	2.207	ppbv		98
79) Naphthalene	22.26	128	793941	2.369	ppbv		97
80) Naphthalene,2-methyl-	25.01	142	216653	1.997	ppbv		99
81) 1,2,4-Trichlorobenzene	21.98	180	225276	1.104	ppbv	#	12

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

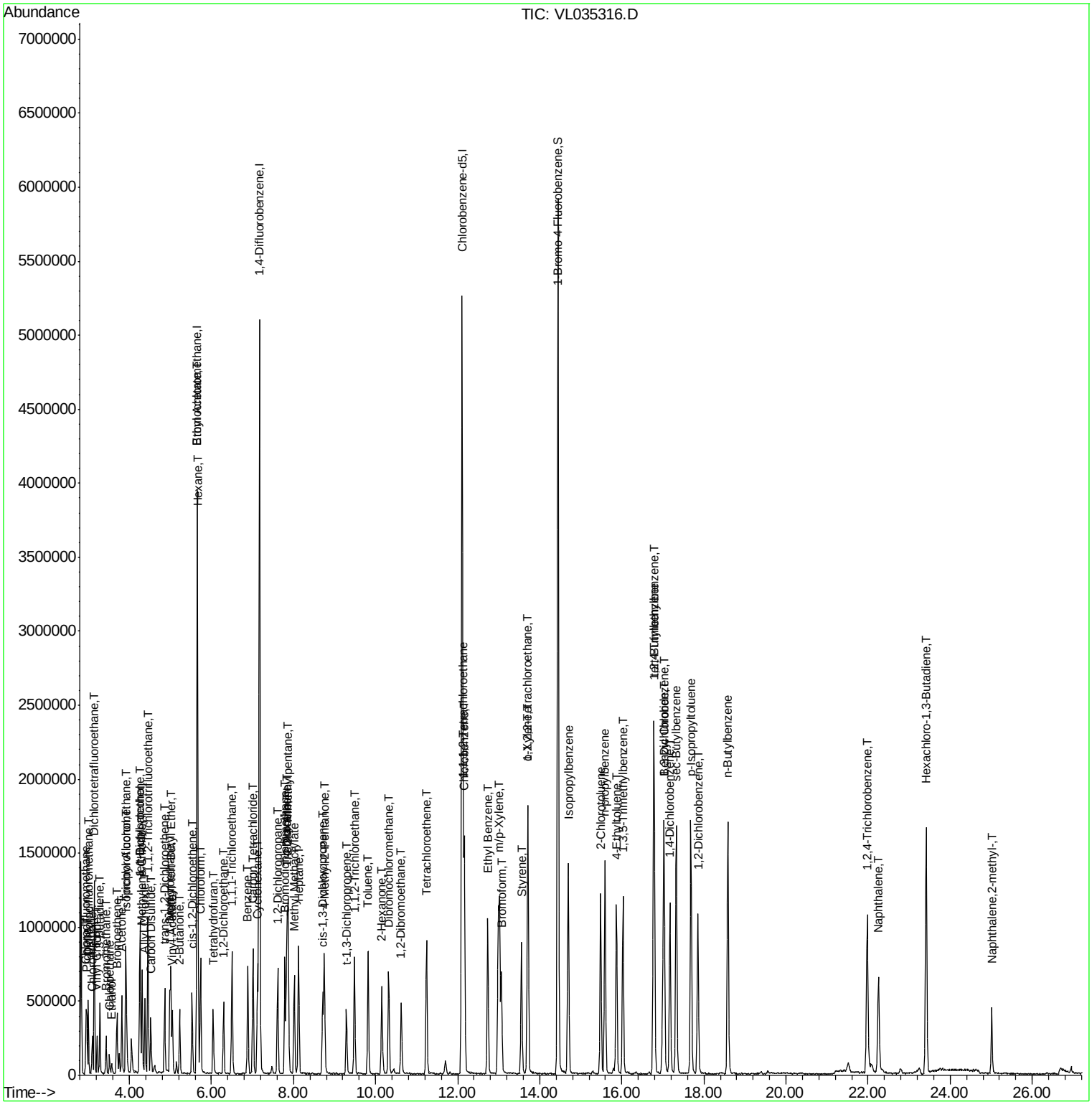
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080320\

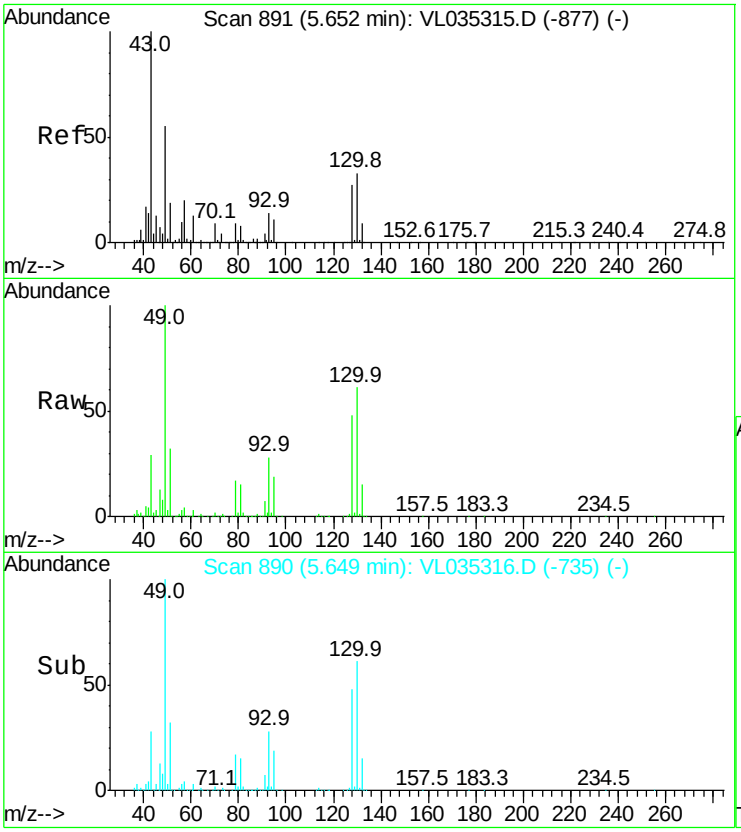
Quantitation Report (Not Reviewed)

Data File : VL035316.D
Acq On : 3 Aug 2020 13:00
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Aug 03 15:03:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 03 15:02:12 2020
QLast Update : Mon Aug 03 15:02:12 2020
Response via : Initial Calibration



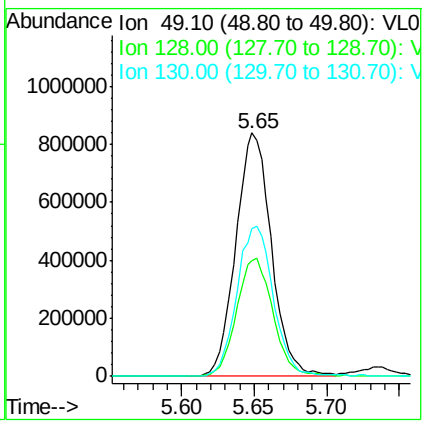


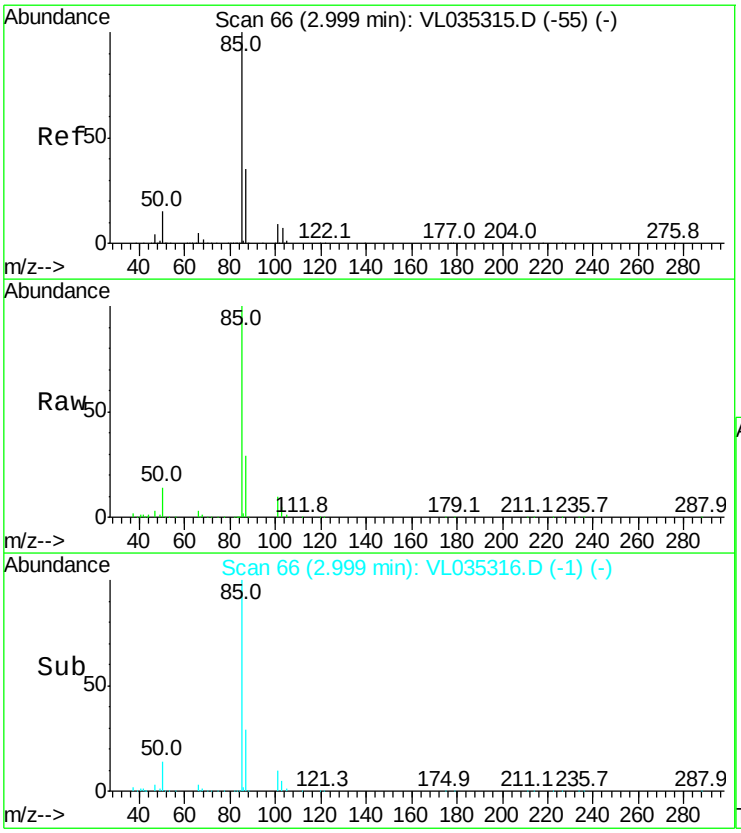
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1435187

Ion	Ratio	Lower	Upper
49	100		
128	49.7	23.8	71.5
130	63.6	31.4	94.3

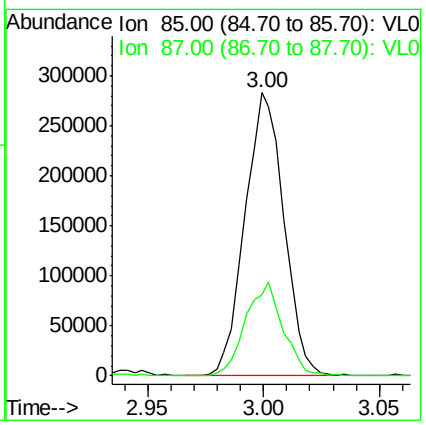


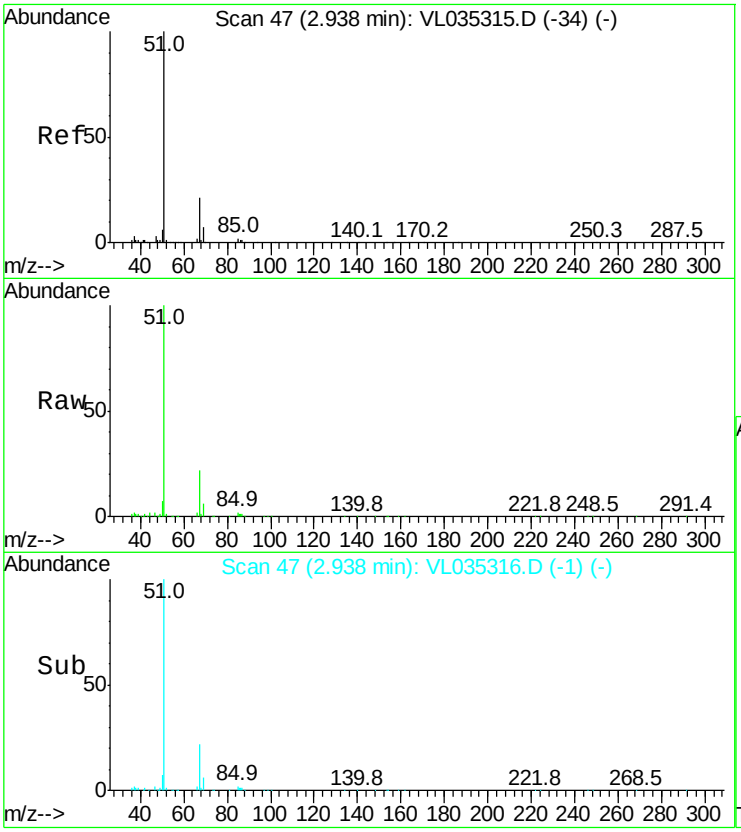


#2
Dichlorodifluoromethane
Concen: 1.935 ppbv
RT: 3.00 min Scan# 66
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 85 Resp: 331716

Ion	Ratio	Lower	Upper
85	100		
87	28.6	27.8	41.6



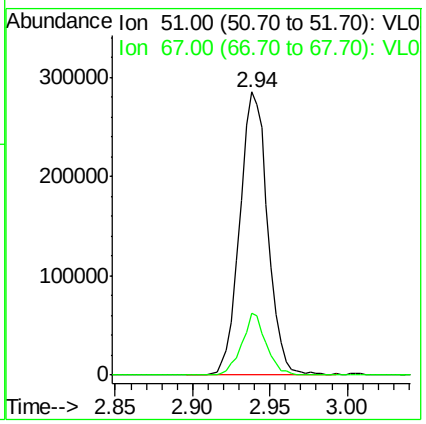


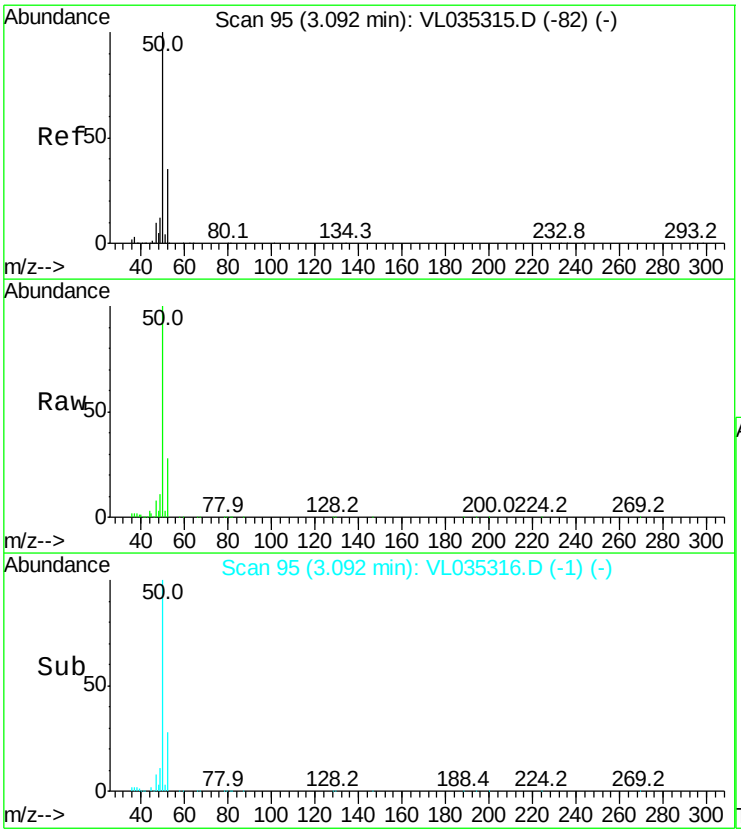
#3
Chlorodifluoromethane
Concen: 2.257 ppbv
RT: 2.94 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 358601

Ion	Ratio	Lower	Upper
51	100		
67	18.9	16.2	24.2

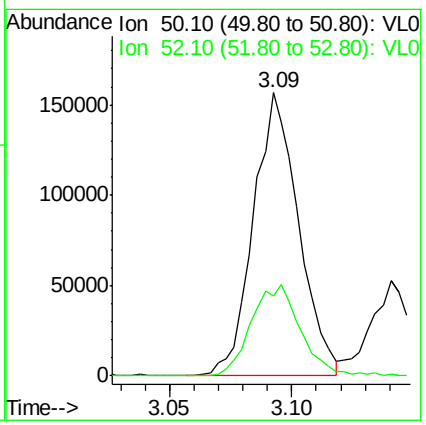


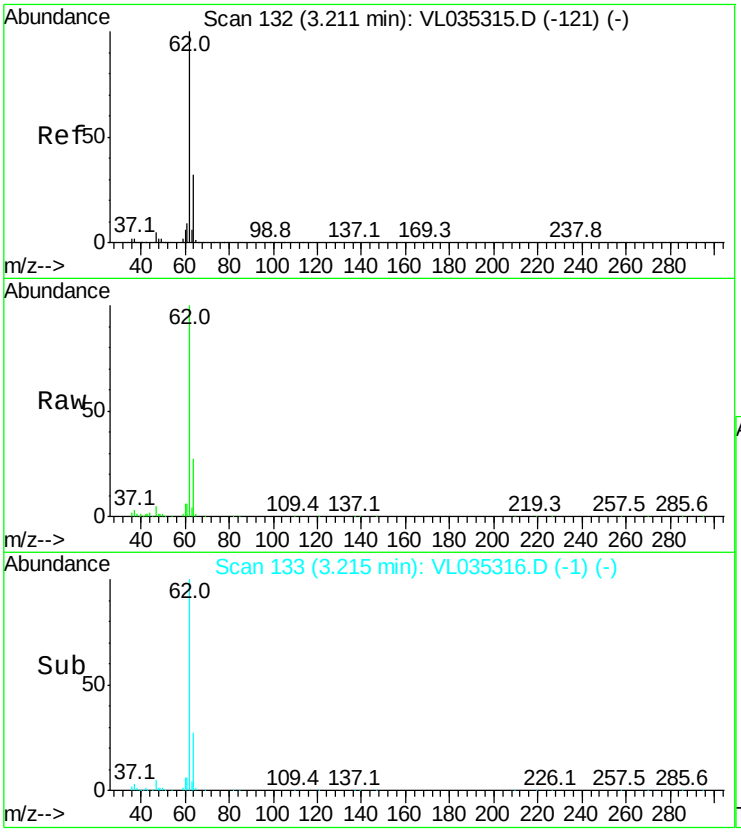


#4
Chloromethane
Concen: 2.247 ppbv
RT: 3.09 min Scan# 95
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 50 Resp: 200862

Ion	Ratio	Lower	Upper
50	100		
52	28.3	27.8	41.8



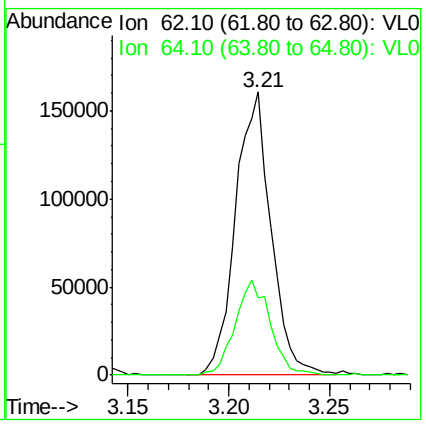


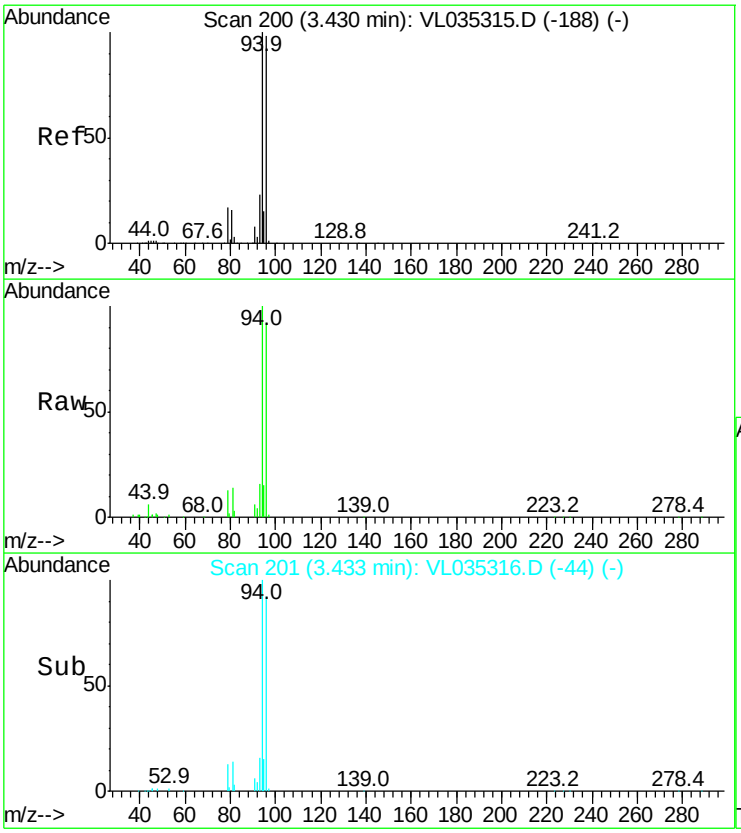
#5
Vinyl Chloride
Concen: 2.137 ppbv
RT: 3.21 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 199010

Ion	Ratio	Lower	Upper
62	100		
64	27.3	25.9	38.9

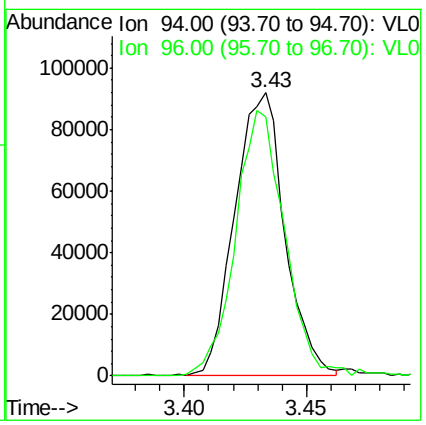


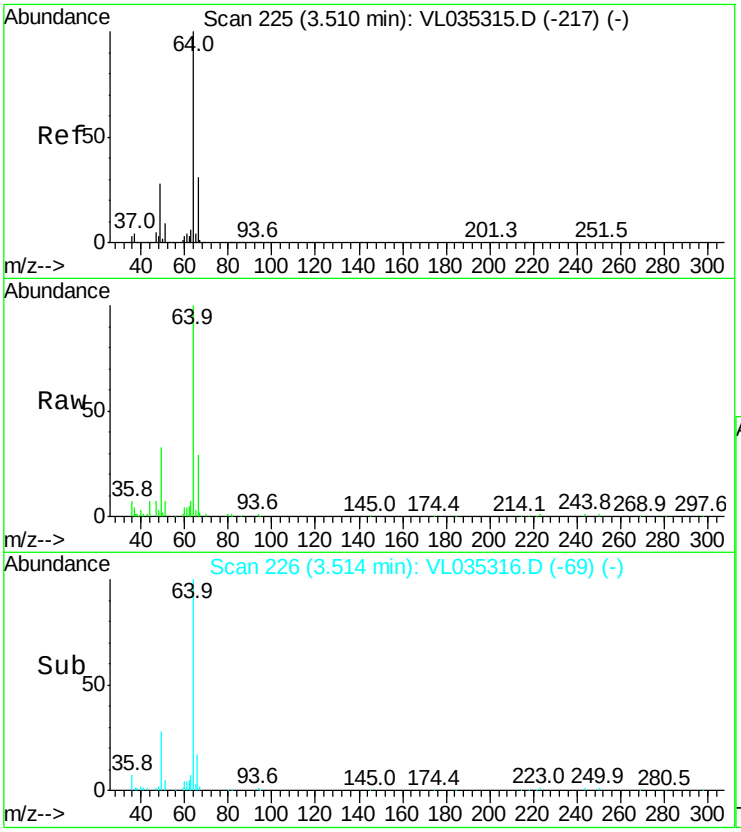


#6
Bromomethane
Concen: 2.277 ppbv
RT: 3.43 min Scan# 201
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 94 Resp: 130961

Ion	Ratio	Lower	Upper
94	100		
96	91.0	78.6	117.8



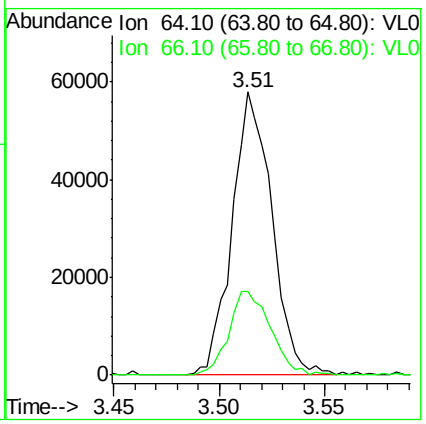


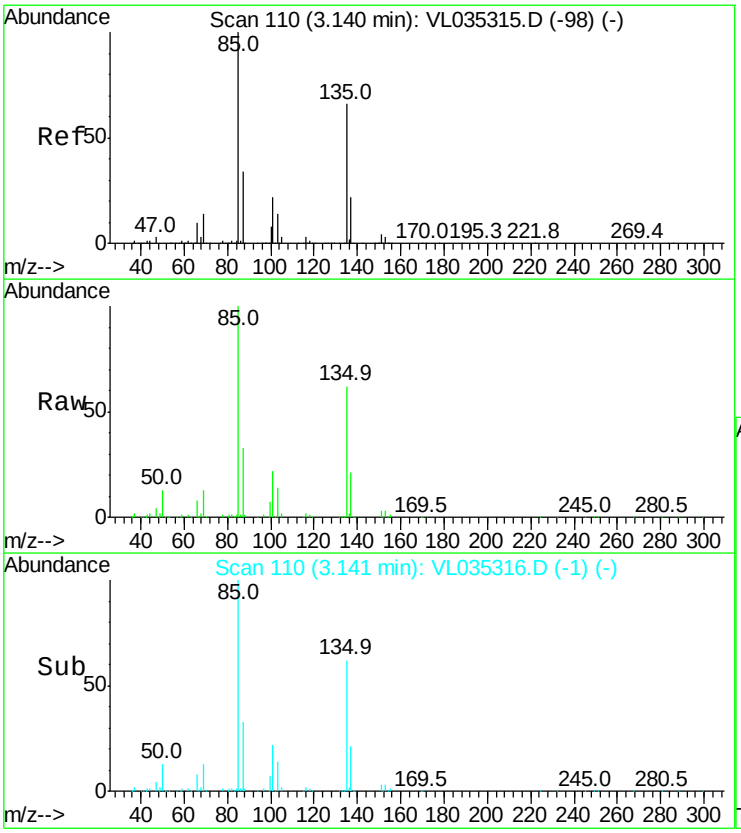
#7
Chloroethane
Concen: 2.259 ppbv
RT: 3.51 min Scan# 226
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 75945

Ion	Ratio	Lower	Upper
64	100		
66	29.4	24.9	37.3

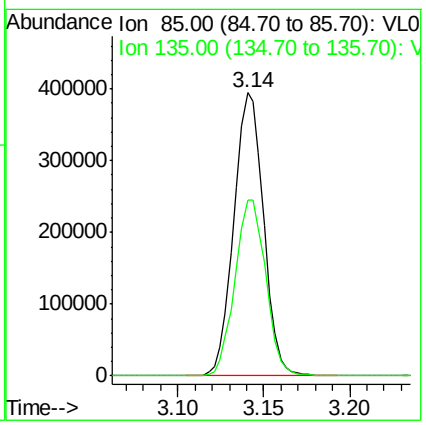


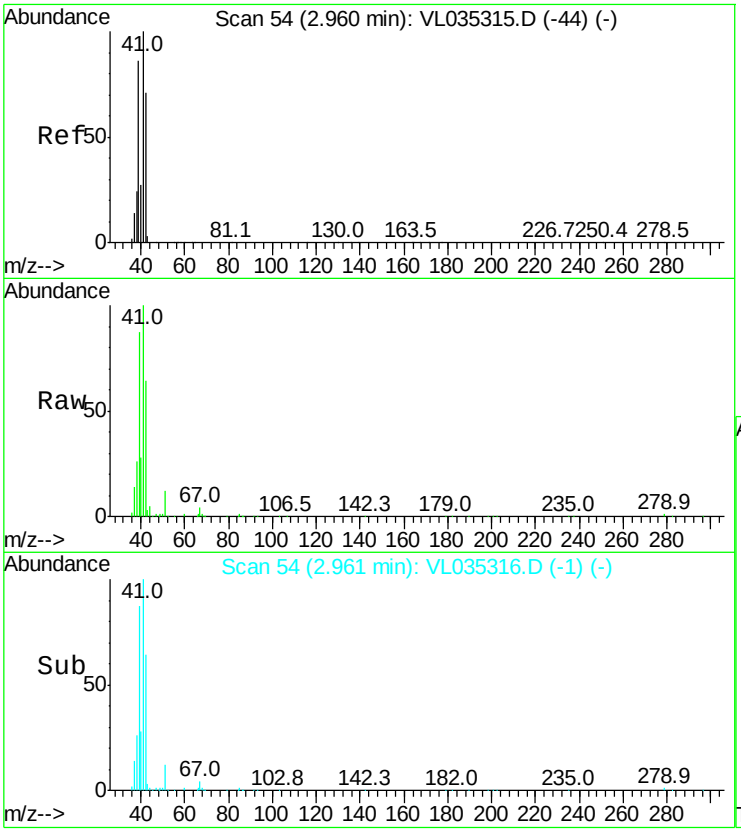


#8
Dichlorotetrafluoroethane
Concen: 2.177 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 85 Resp: 473383

Ion	Ratio	Lower	Upper
85	100		
135	64.5	53.4	80.0



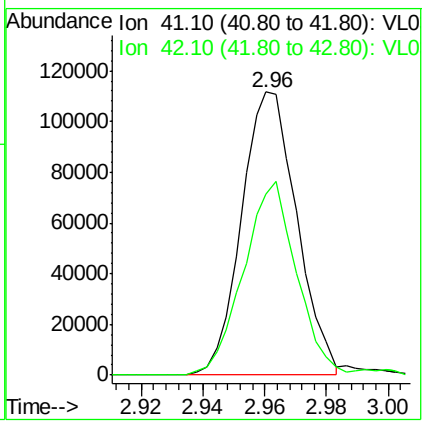


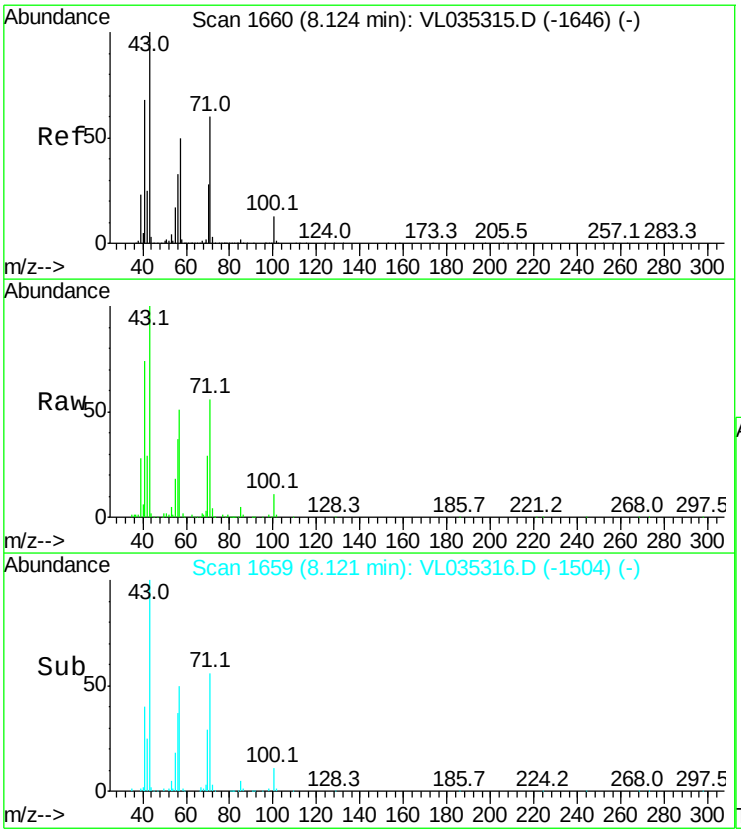
#9
Propene
Concen: 2.507 ppbv
RT: 2.96 min Scan# 54
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 138824

Ion	Ratio	Lower	Upper
41	100		
42	67.0	56.8	85.2

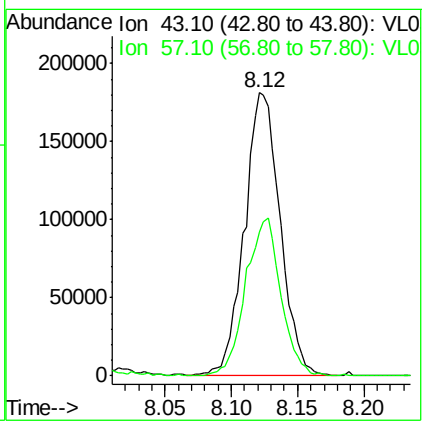


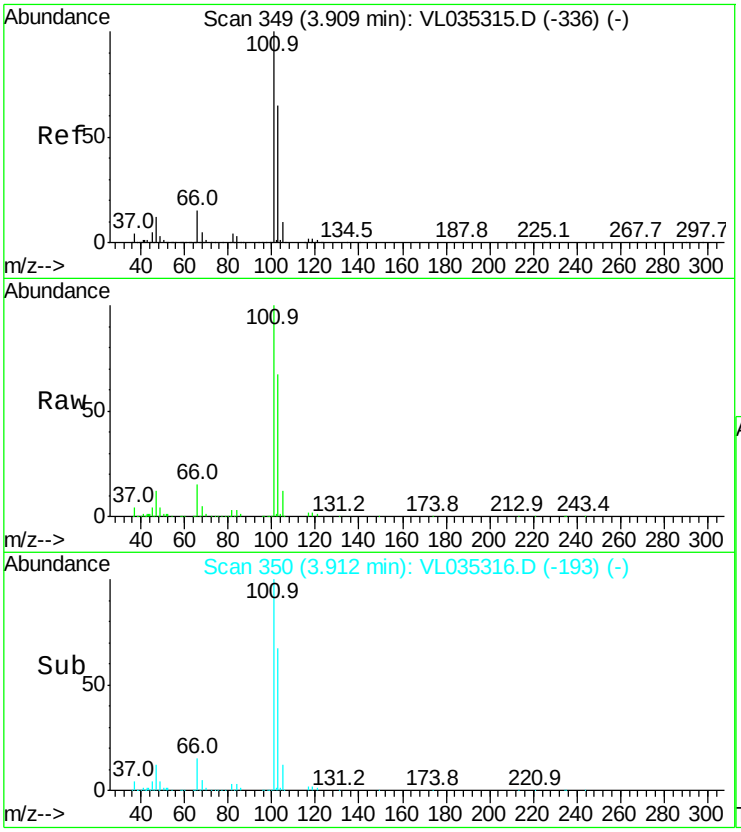


#10
Heptane
Concen: 2.248 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 43 Resp: 337004

Ion	Ratio	Lower	Upper
43	100		
57	55.4	42.4	63.6



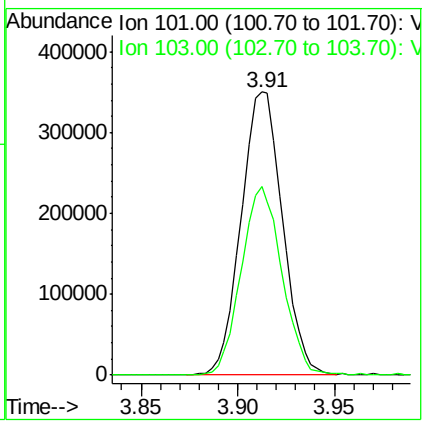


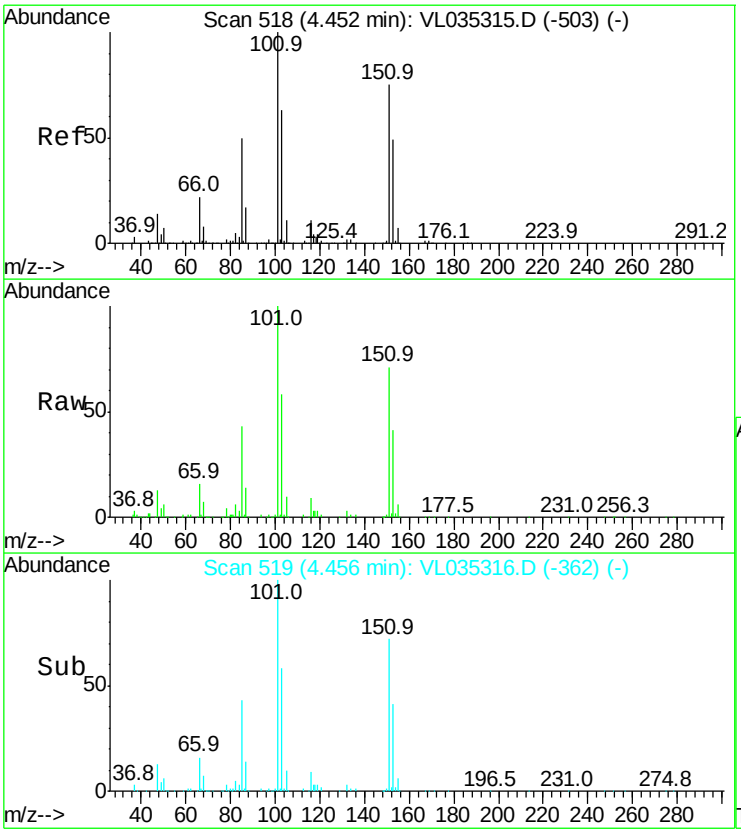
#11
Trichlorofluoromethane
Concen: 2.261 ppbv
RT: 3.91 min Scan# 350
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 521355

Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.8	77.6

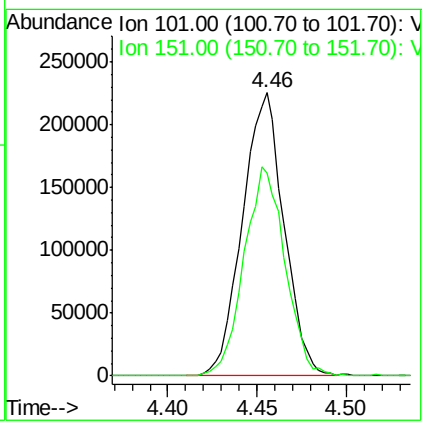


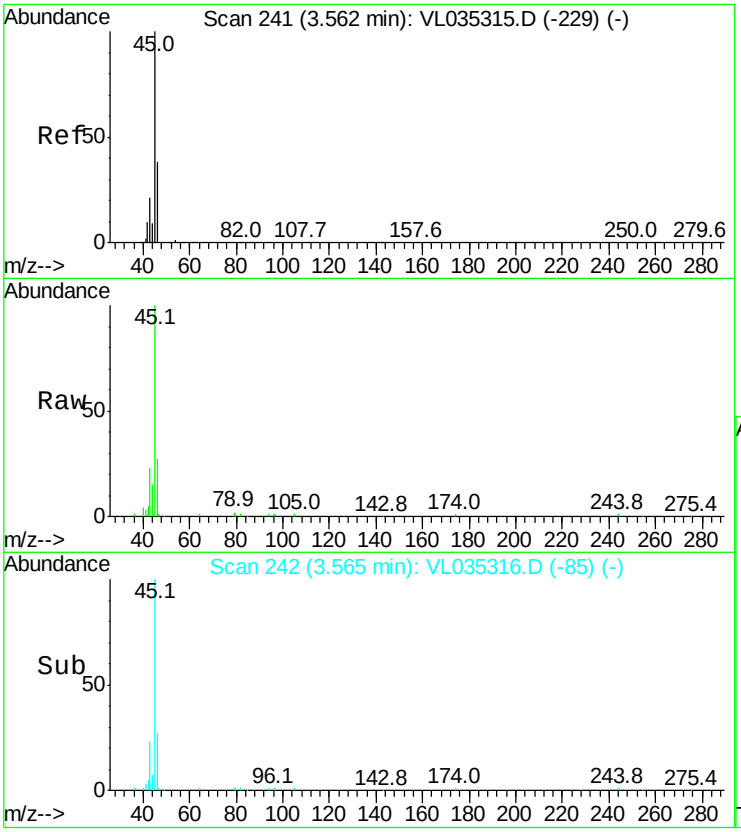


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.248 ppbv
RT: 4.46 min Scan# 519
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:101 Resp: 367553

Ion	Ratio	Lower	Upper
101	100		
151	72.8	58.9	88.3



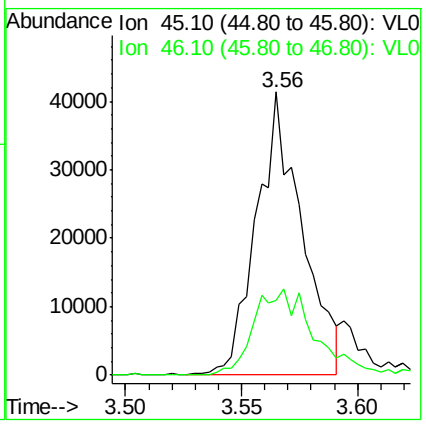


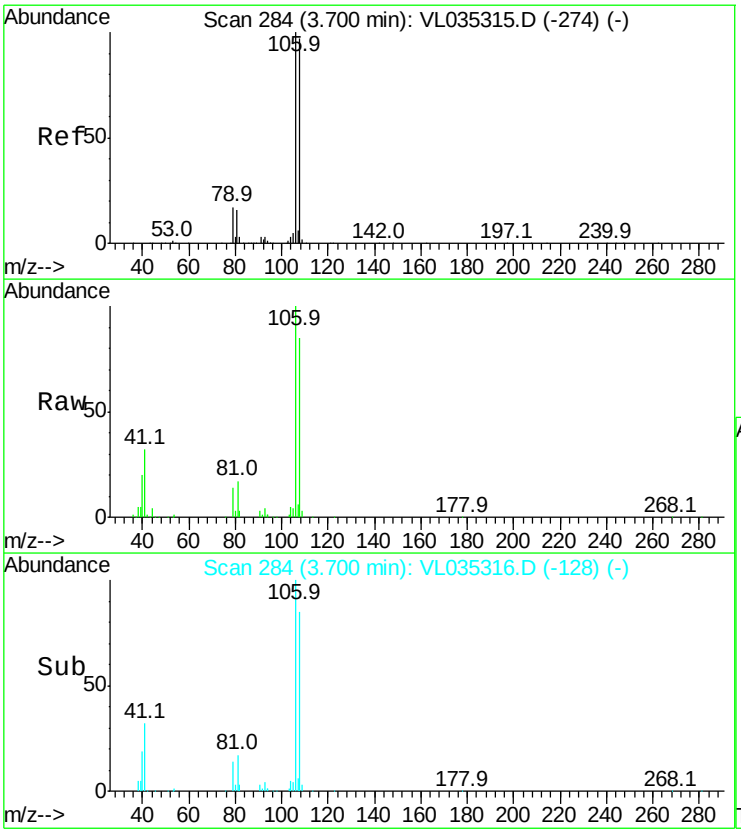
#13
Ethanol
Concen: 2.491 ppbv
RT: 3.56 min Scan# 242
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 56153

Ion	Ratio	Lower	Upper
45	100		
46	41.6	14.5	57.9

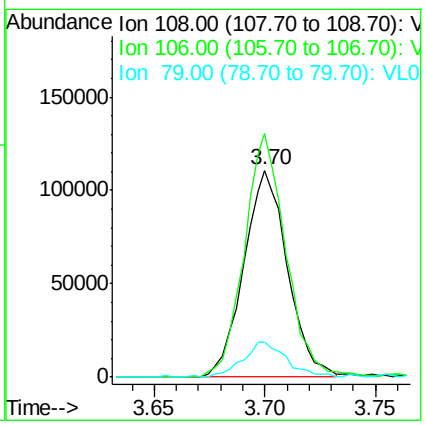


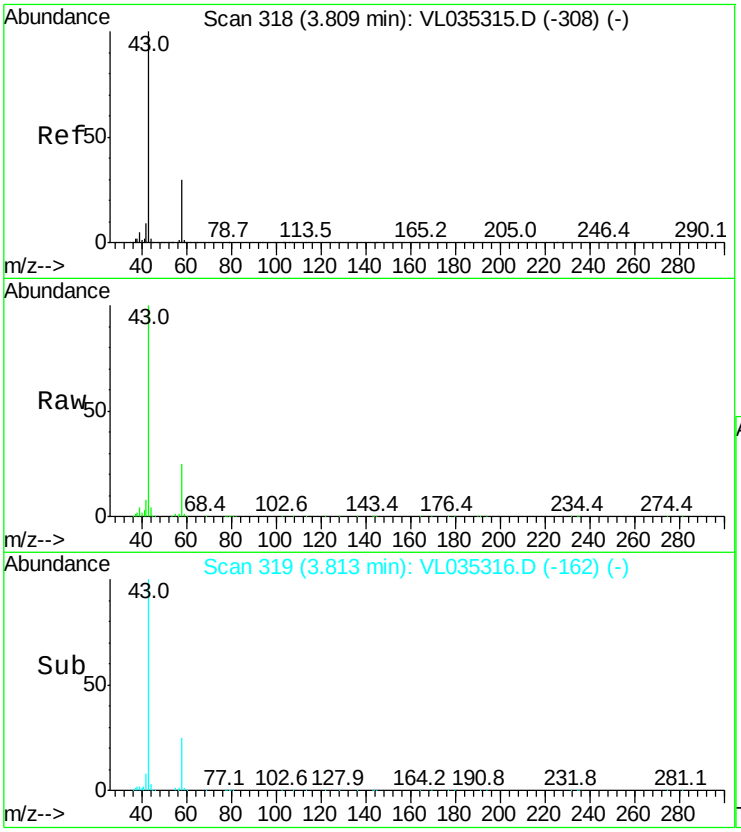


#14
Bromoethene
Concen: 2.283 ppbv
RT: 3.70 min Scan# 284
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:108 Resp: 152317

Ion	Ratio	Lower	Upper
108	100		
106	114.1	86.2	129.2
79	19.1	14.0	21.0



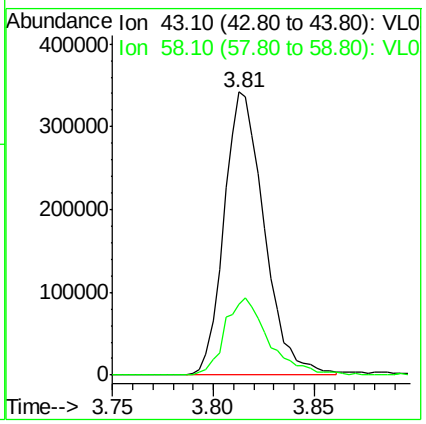


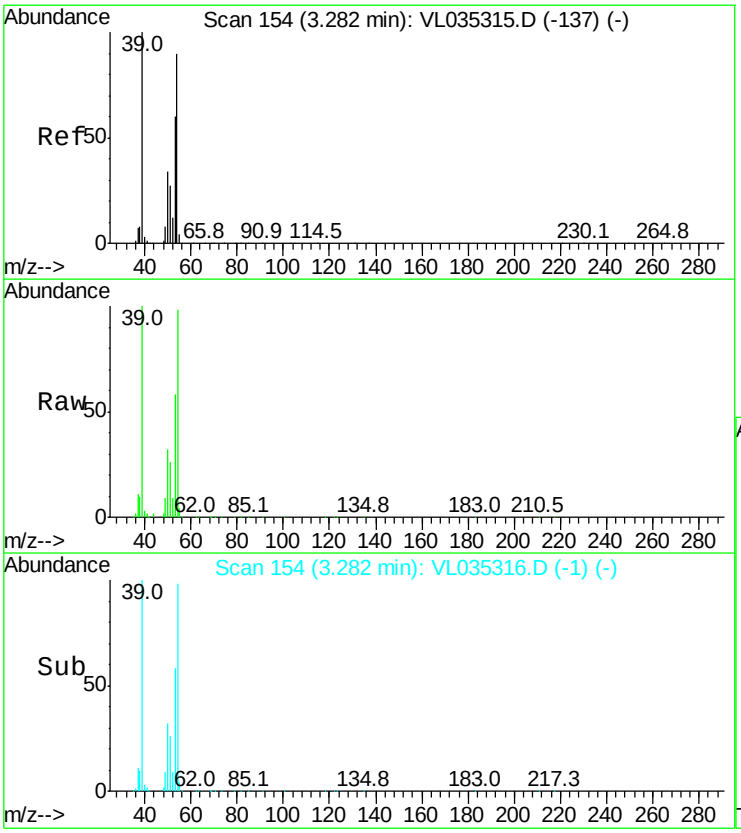
#15
Acetone
Concen: 2.470 ppbv
RT: 3.81 min Scan# 319
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 472862

Ion	Ratio	Lower	Upper
43	100		
58	30.3	22.1	33.1

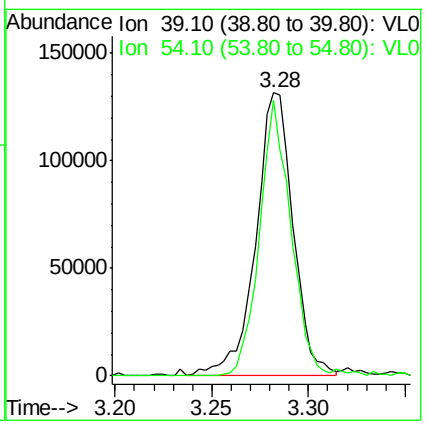


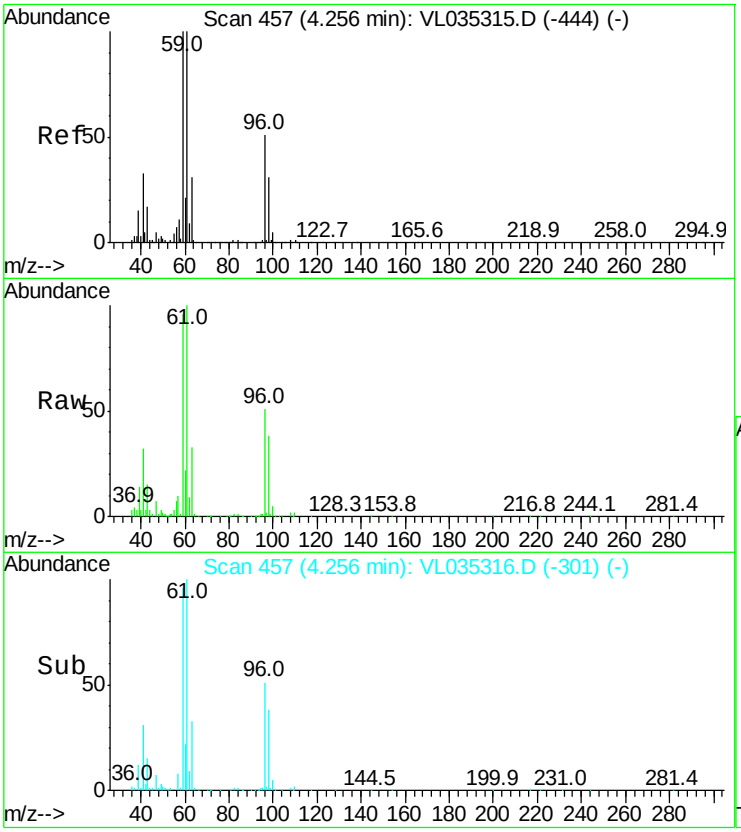


#16
1,3-Butadiene
Concen: 2.344 ppbv
RT: 3.28 min Scan# 154
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 39 Resp: 175046

Ion	Ratio	Lower	Upper
39	100		
54	83.3	68.0	102.0



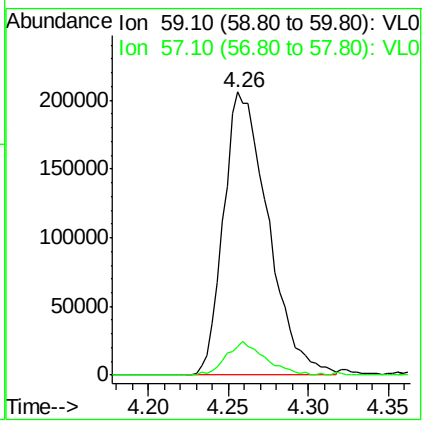


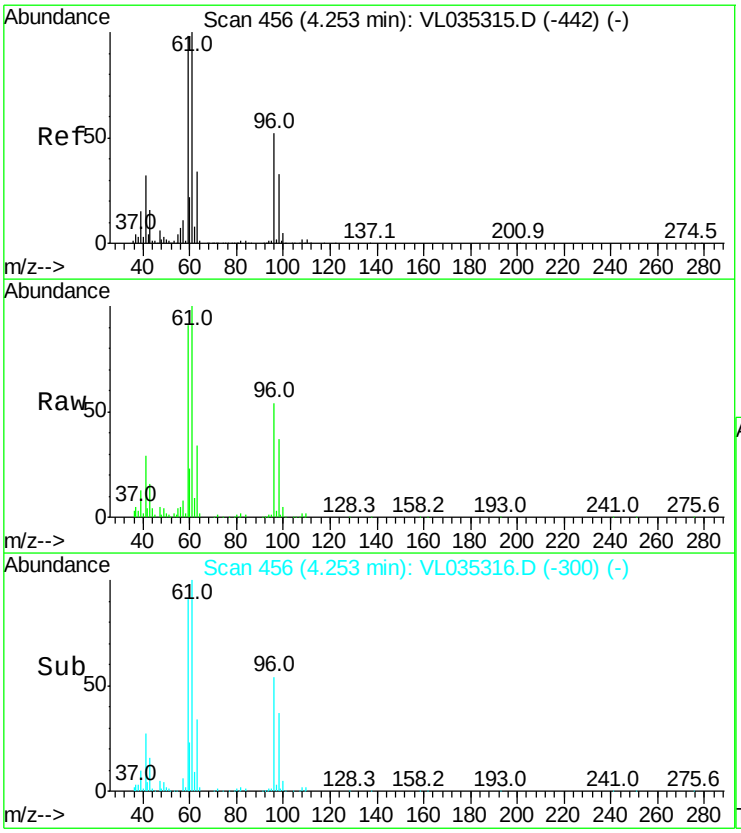
#17
tert-Butyl alcohol
Concen: 2.122 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 392106

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	13.0

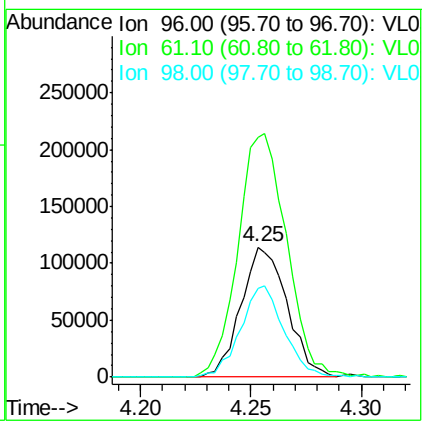


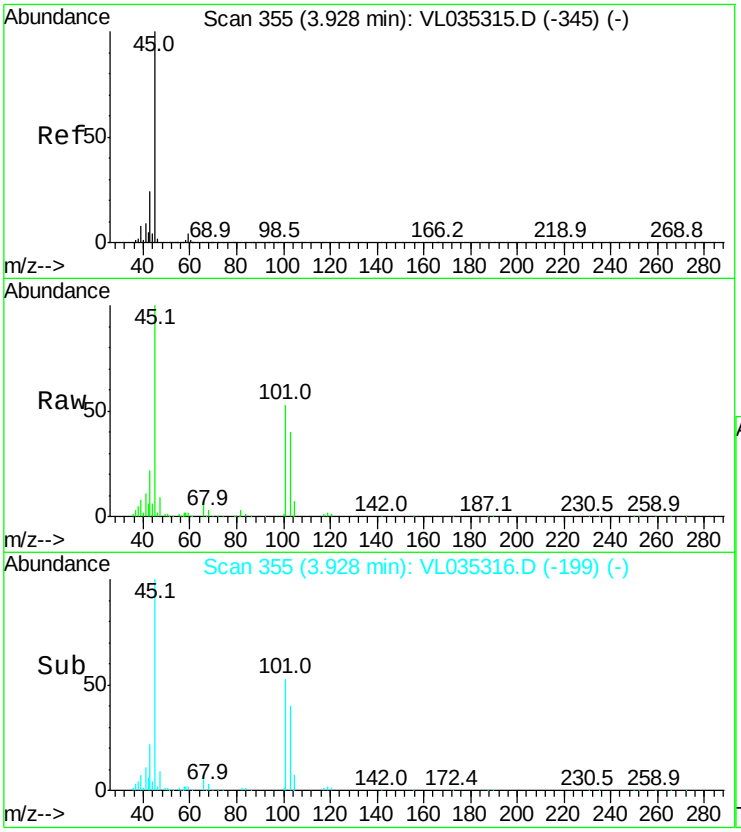


#18
1,1-Dichloroethene
Concen: 2.293 ppbv
RT: 4.25 min Scan# 456
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 96 Resp: 166487

Ion	Ratio	Lower	Upper
96	100		
61	184.3	154.9	232.3
98	68.1	51.0	76.4



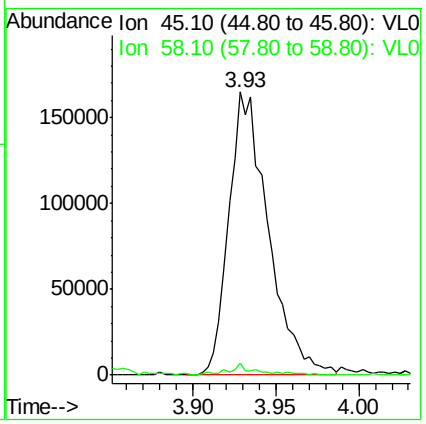


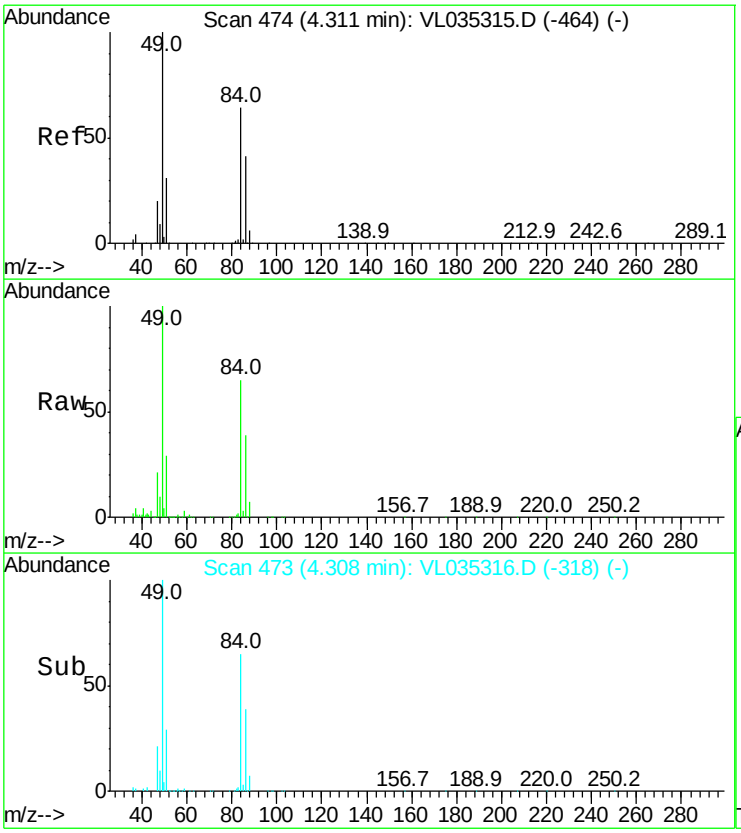
#19
Isopropyl Alcohol
Concen: 2.166 ppbv
RT: 3.93 min Scan# 355
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 273442

Ion	Ratio	Lower	Upper
45	100		
58	3.3	1.5	2.3#

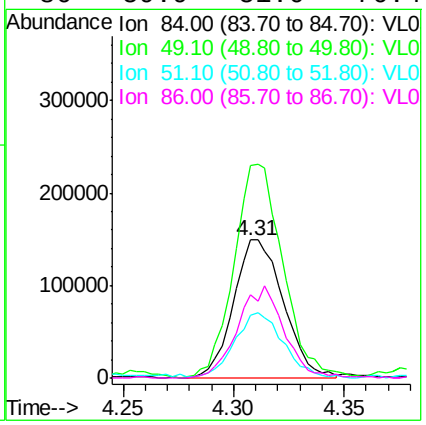


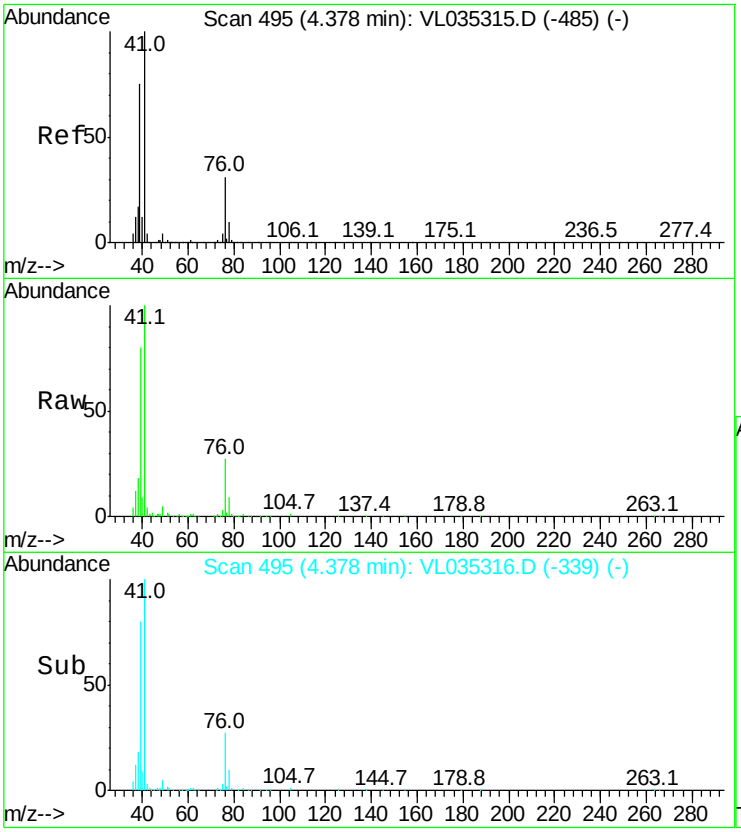


#20
Methylene Chloride
Concen: 2.690 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 84 Resp: 234374

Ion	Ratio	Lower	Upper
84	100		
49	153.2	124.2	186.2
51	44.5	38.6	58.0
86	59.9	51.0	76.4



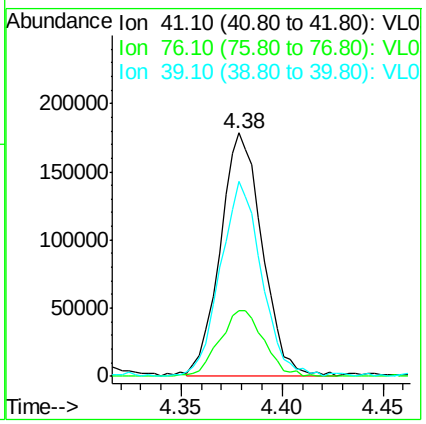


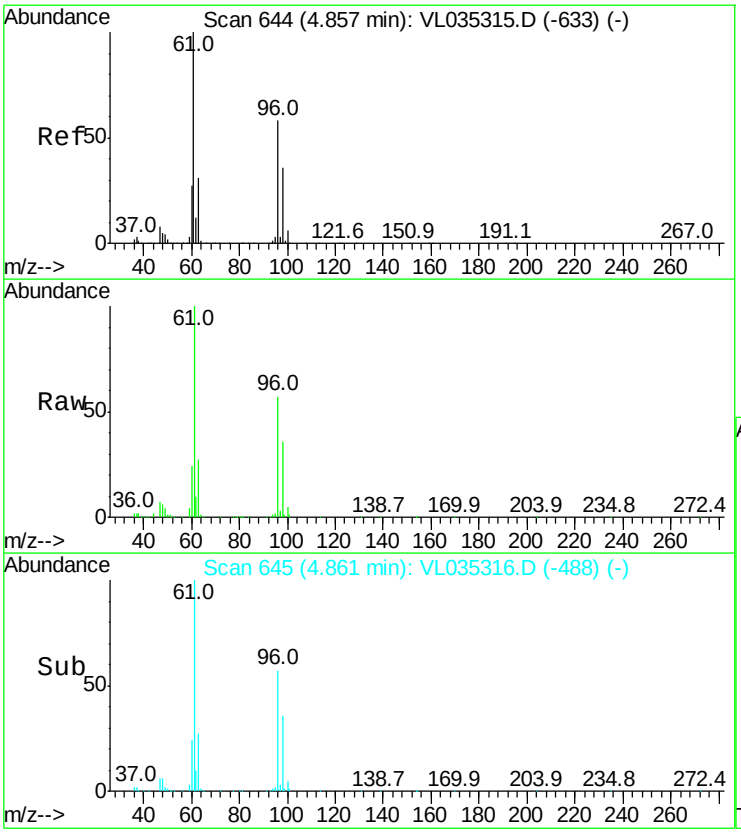
#21
Allyl Chloride
Concen: 2.380 ppbv
RT: 4.38 min Scan# 495
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 259483

Ion	Ratio	Lower	Upper
41	100		
76	28.7	24.4	36.6
39	79.7	61.8	92.6

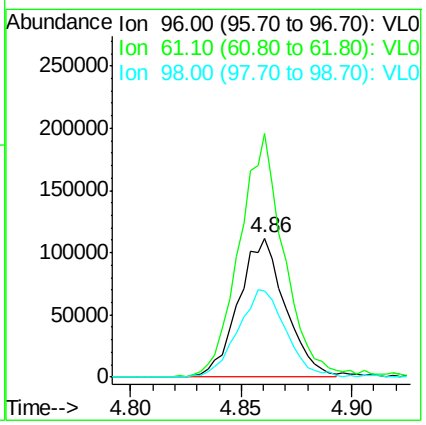


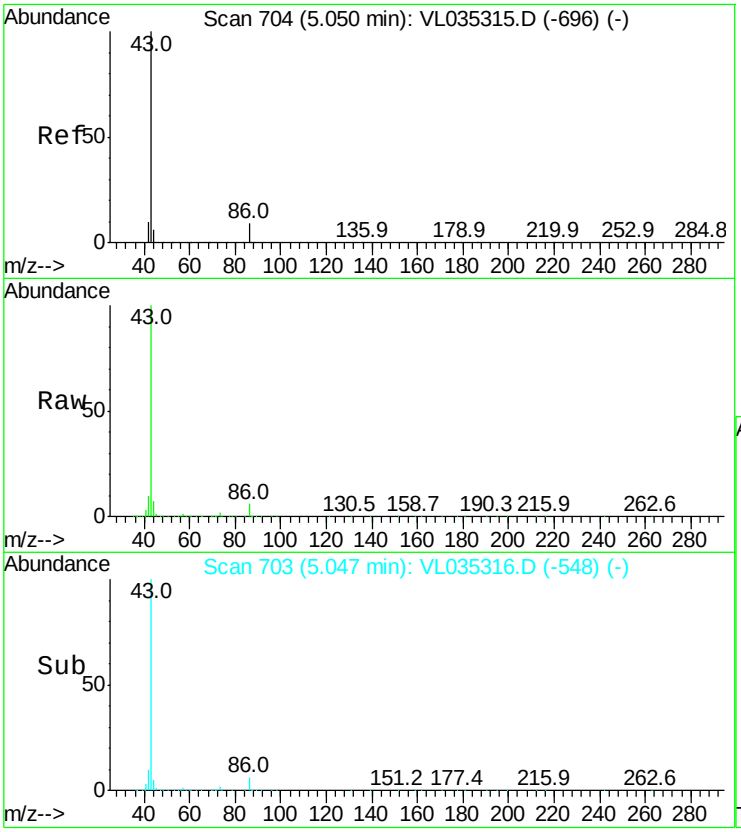


#22
trans-1,2-Dichloroethene
Concen: 2.359 ppbv
RT: 4.86 min Scan# 645
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 96 Resp: 164590

Ion	Ratio	Lower	Upper
96	100		
61	174.1	136.8	205.2
98	62.2	49.2	73.8



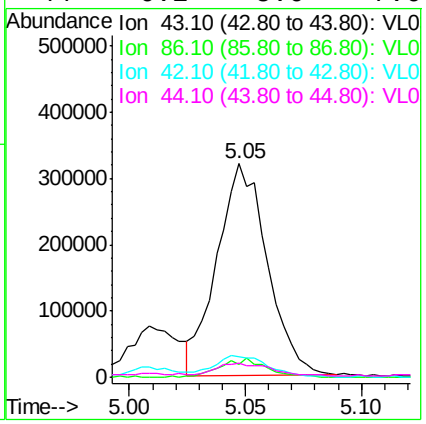


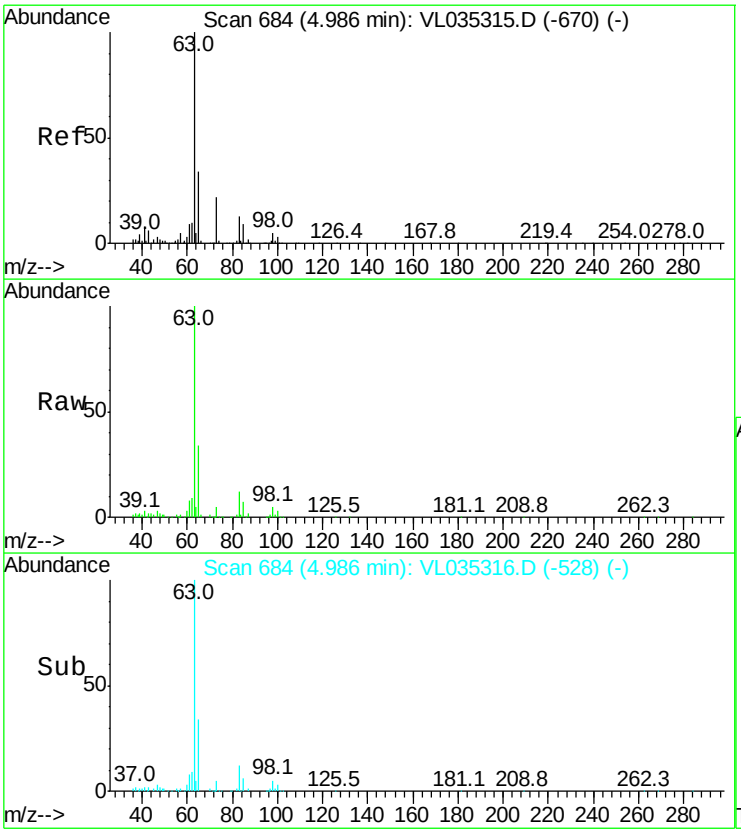
#23
Vinyl Acetate
Concen: 2.492 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 479343

Ion	Ratio	Lower	Upper
43	100		
86	5.8	6.5	9.7#
42	9.7	8.2	12.4
44	6.2	5.0	7.6

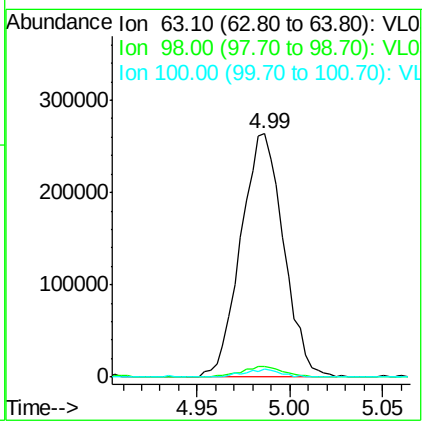


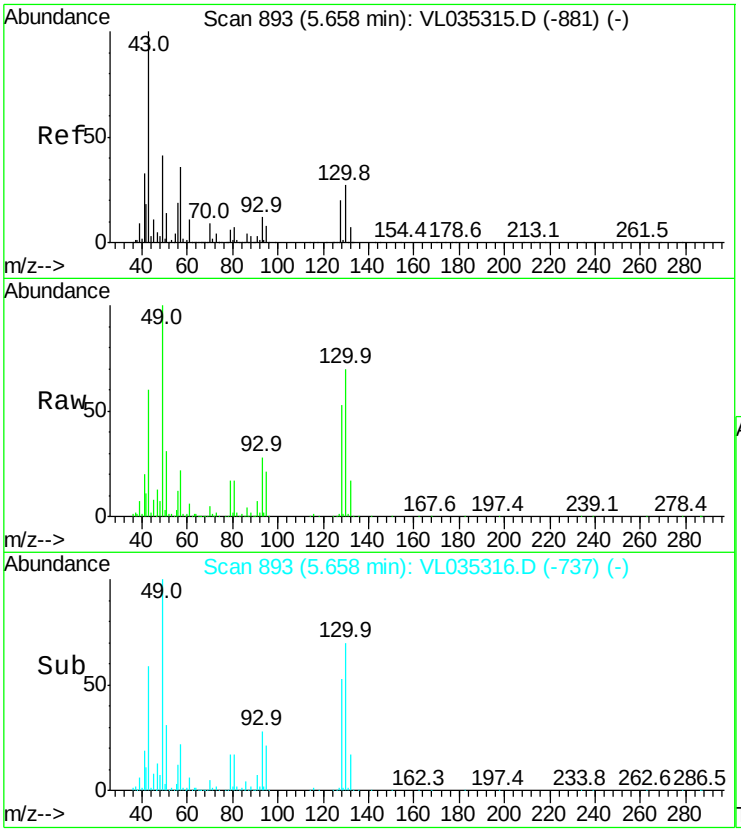


#24
1,1-Dichloroethane
Concen: 2.358 ppbv
RT: 4.99 min Scan# 684
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 63 Resp: 422996

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.5	7.5
100	3.5	1.5	4.4



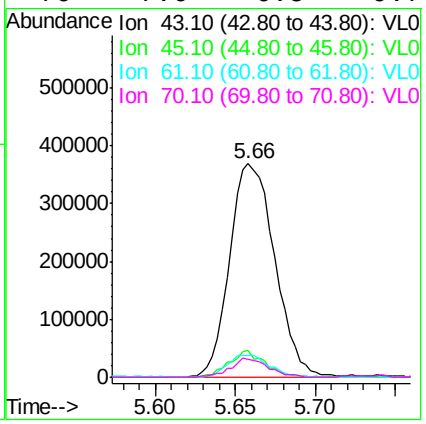


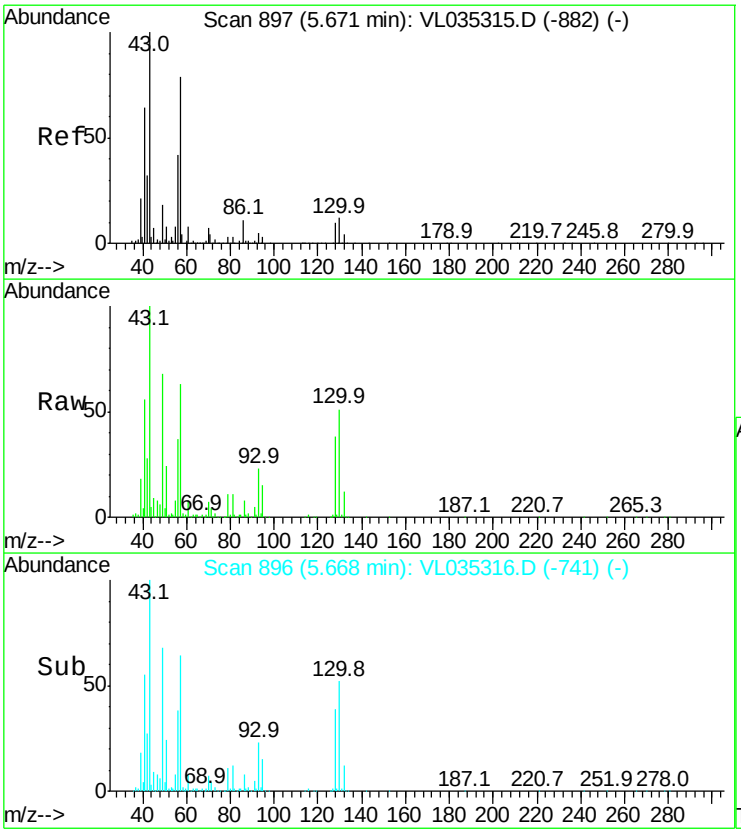
#25
Ethyl Acetate
Concen: 2.355 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 703914

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.6	12.8
61	9.4	8.1	12.1
70	7.6	6.5	9.7

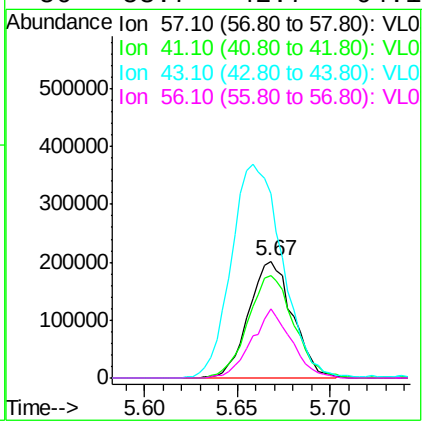


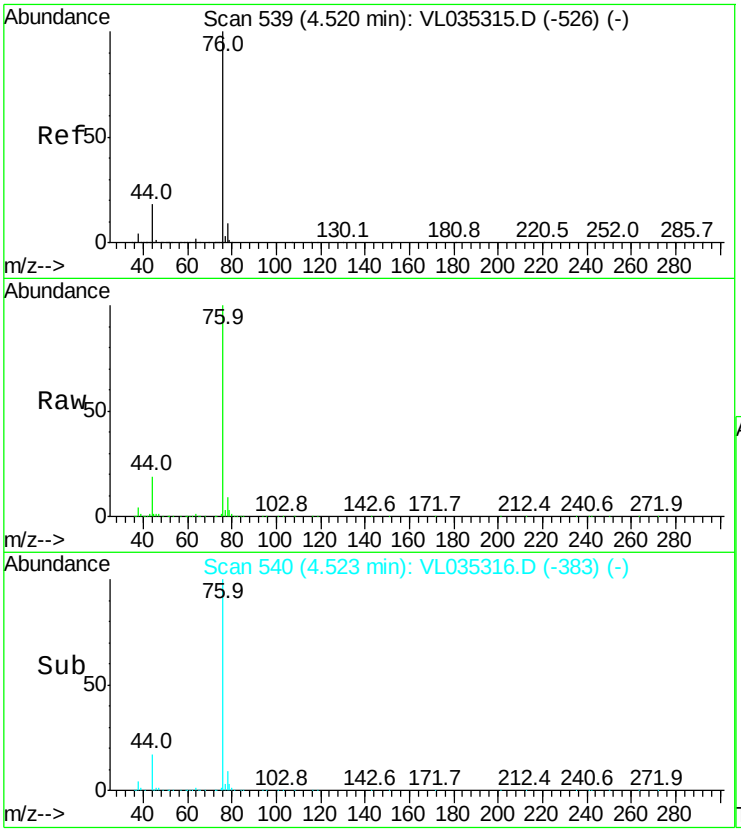


#26
Hexane
Concen: 2.460 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 57 Resp: 331718

Ion	Ratio	Lower	Upper
57	100		
41	92.5	72.1	108.1
43	214.9	179.0	268.6
56	53.7	42.7	64.1



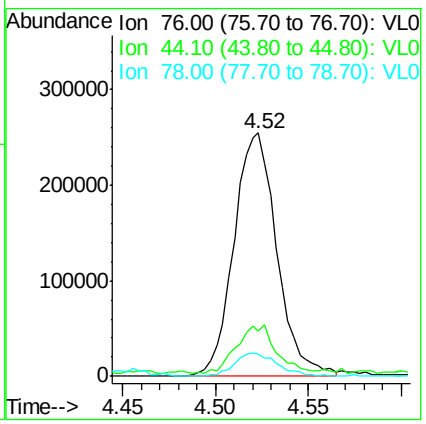


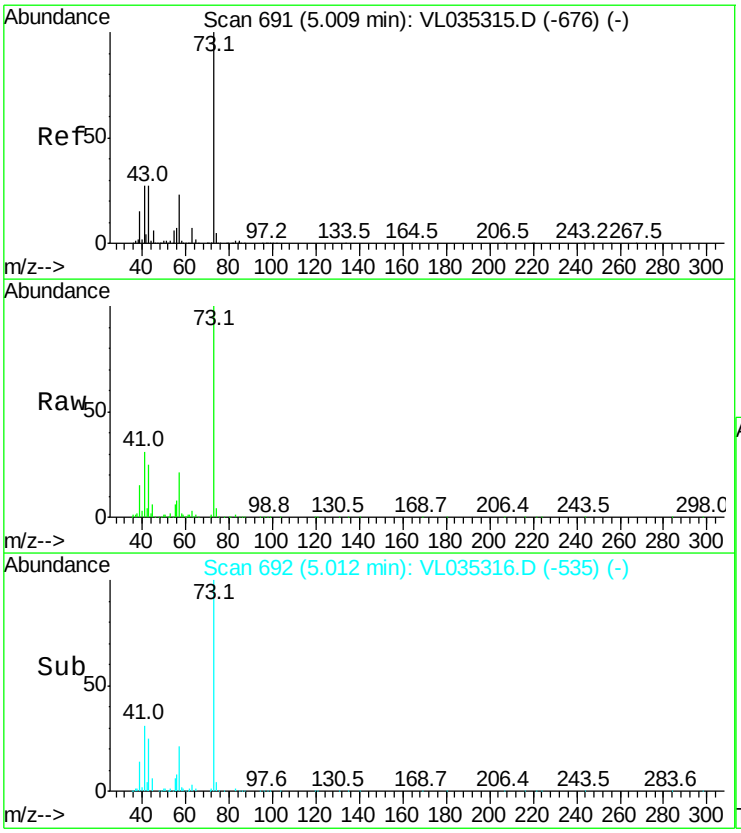
#27
Carbon Disulfide
Concen: 2.252 ppbv
RT: 4.52 min Scan# 540
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 76 Resp: 410319

Ion	Ratio	Lower	Upper
76	100		
44	20.9	14.8	22.2
78	9.8	7.8	11.8

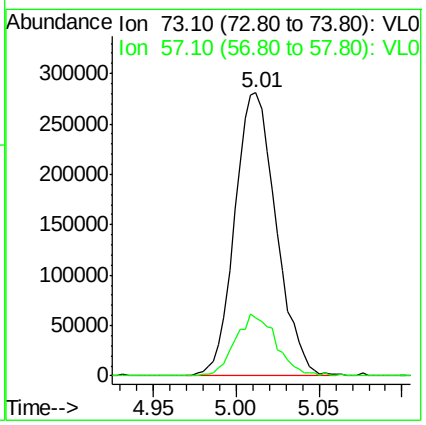


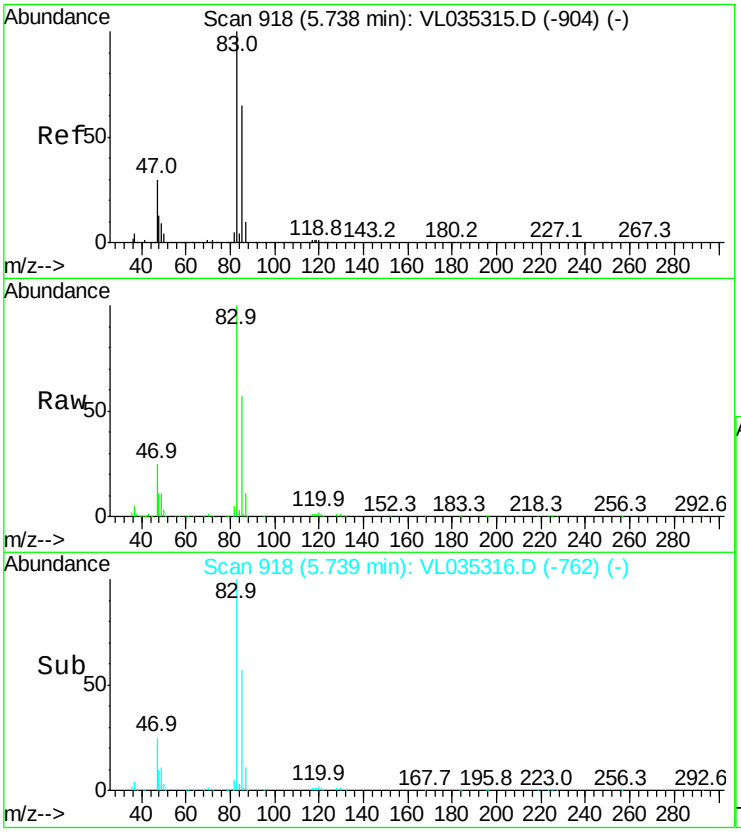


#28
Methyl tert-Butyl Ether
Concen: 2.532 ppbv
RT: 5.01 min Scan# 692
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 73 Resp: 488197

Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.2	27.2



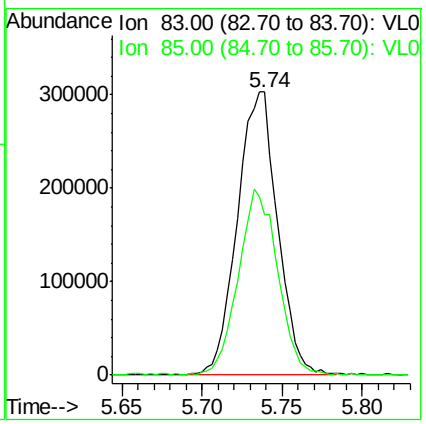


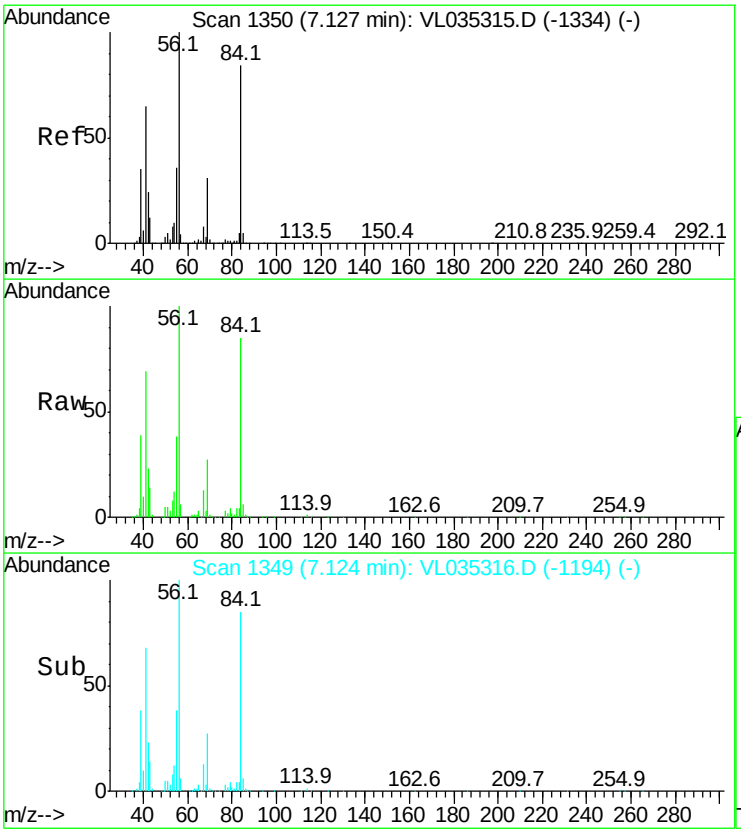
#29
Chloroform
Concen: 2.300 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 520341

Ion	Ratio	Lower	Upper
83	100		
85	56.6	51.9	77.9

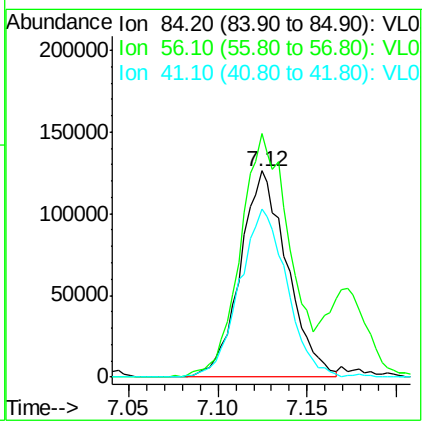


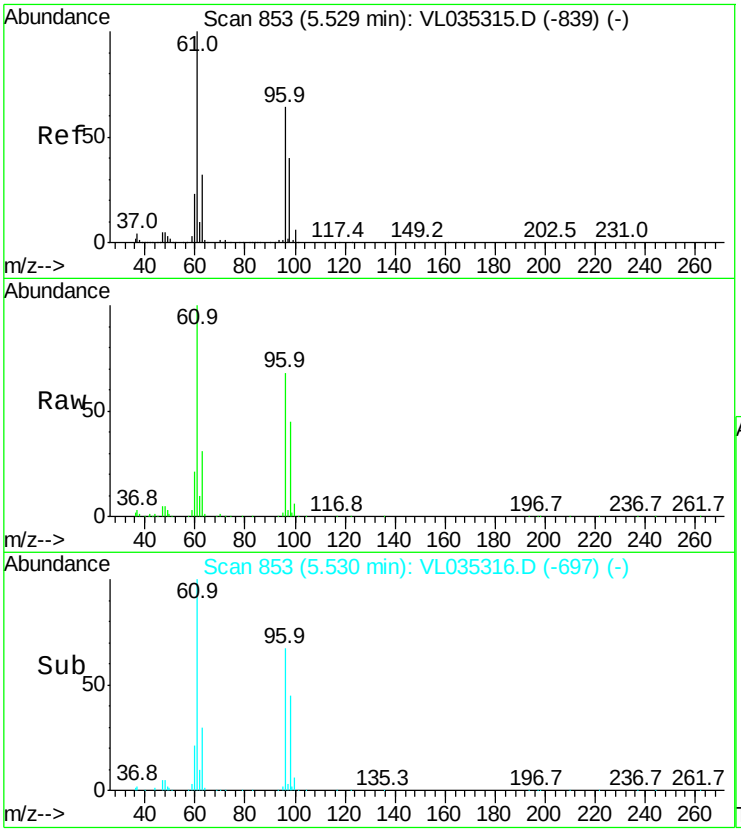


#30
Cyclohexane
Concen: 2.410 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 84 Resp: 232325

Ion	Ratio	Lower	Upper
84	100		
56	122.3	103.0	154.6
41	82.7	62.7	94.1



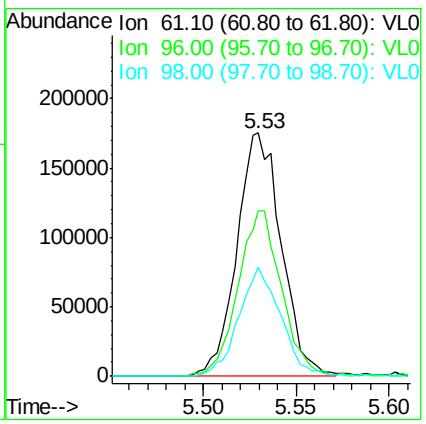


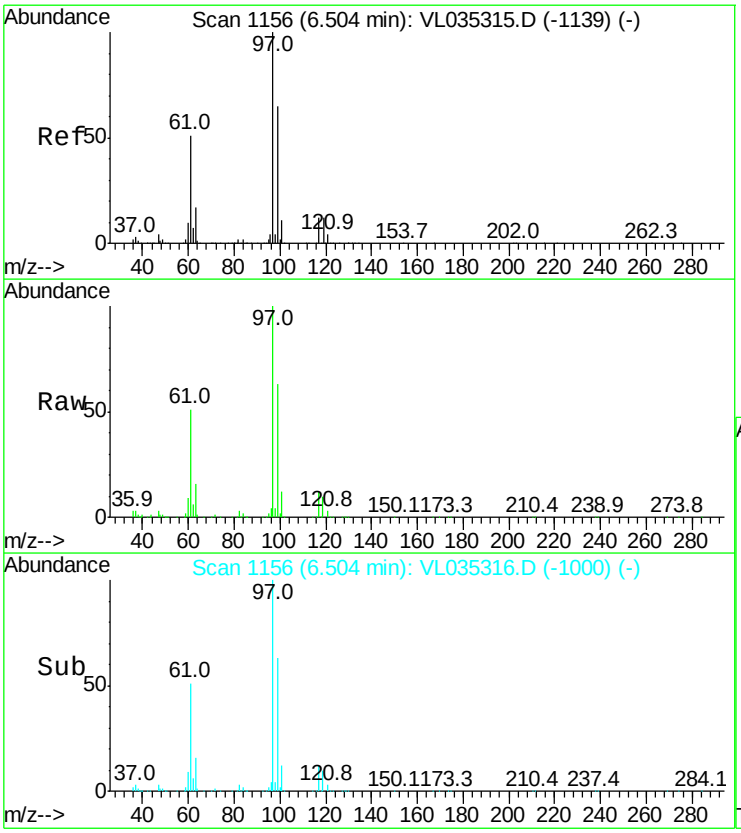
#31
cis-1,2-Dichloroethene
Concen: 2.472 ppbv
RT: 5.53 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 290567

Ion	Ratio	Lower	Upper
61	100		
96	67.9	51.4	77.2
98	44.8	32.2	48.4

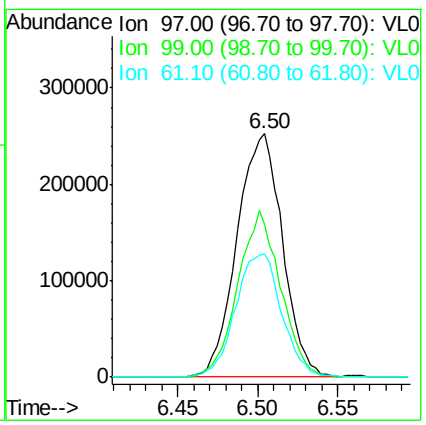


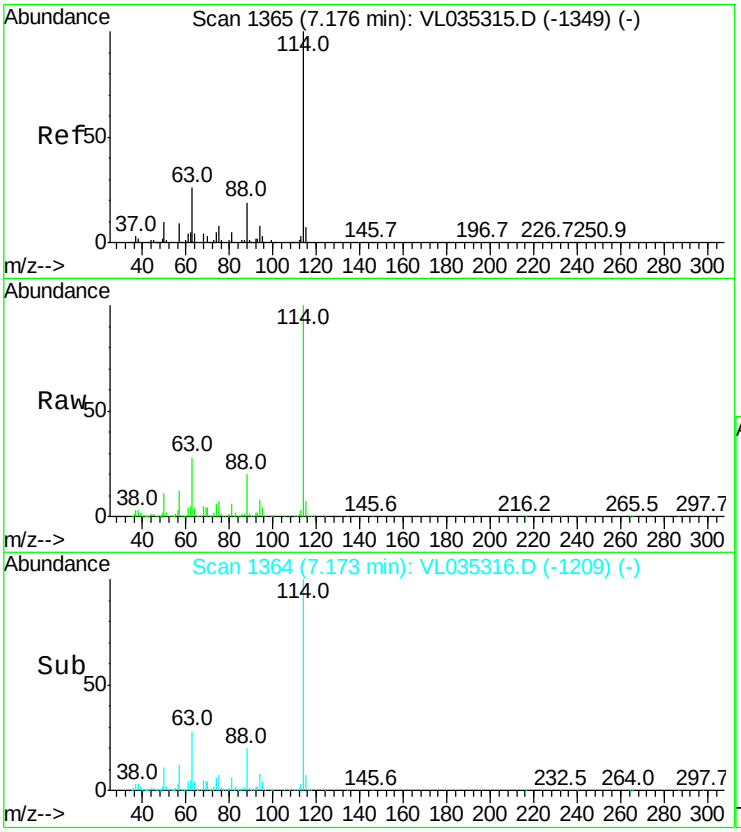


#32
1,1,1-Trichloroethane
Concen: 2.128 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 97 Resp: 492702

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.2	78.4
61	51.4	40.9	61.3



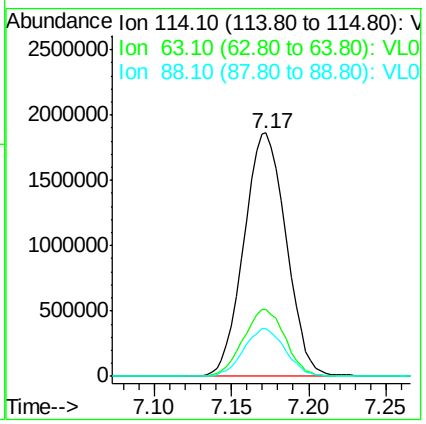


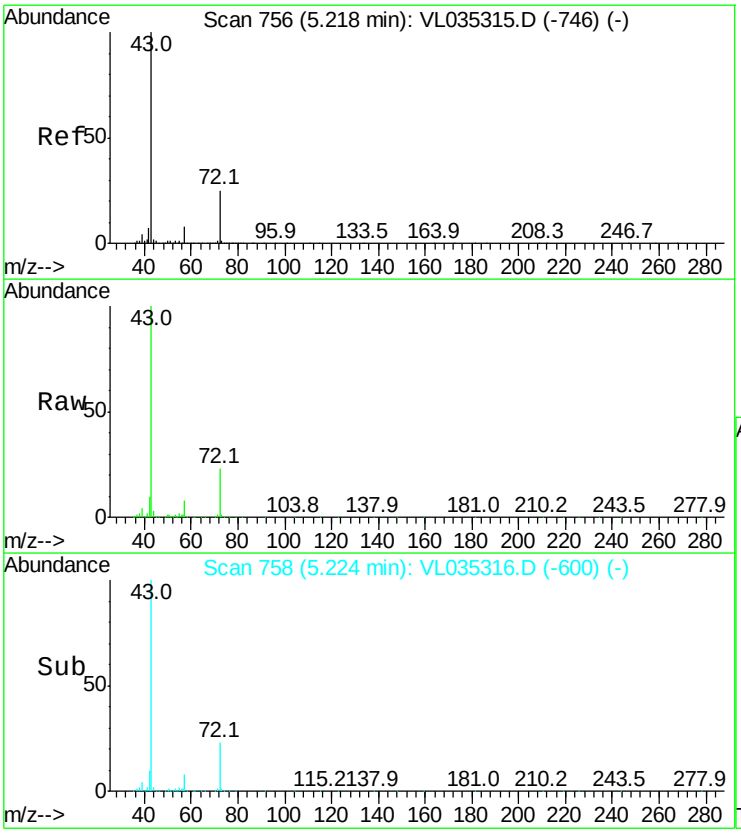
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 3544236

Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.5	32.3
88	19.4	15.3	22.9

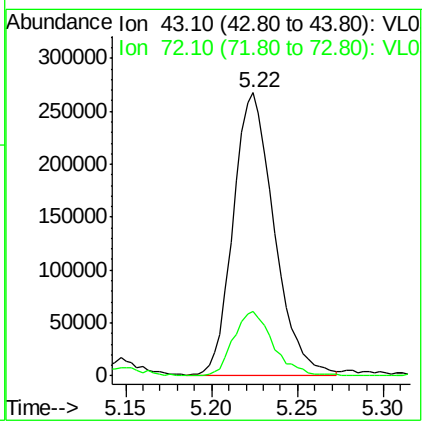


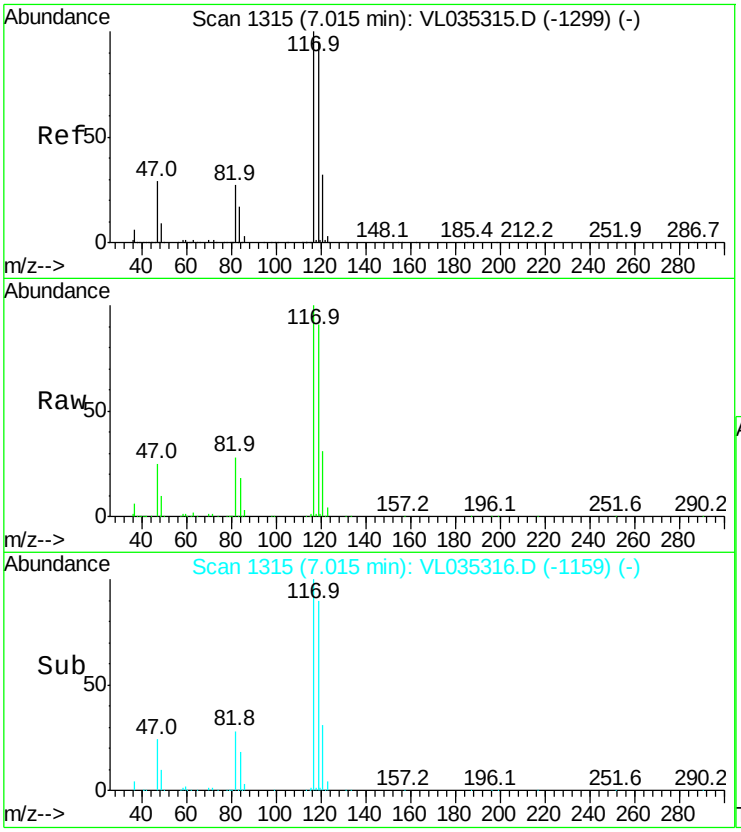


#34
2-Butanone
Concen: 2.435 ppbv
RT: 5.22 min Scan# 758
Delta R.T. 0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 43 Resp: 439165

Ion	Ratio	Lower	Upper
43	100		
72	22.2	19.2	28.8



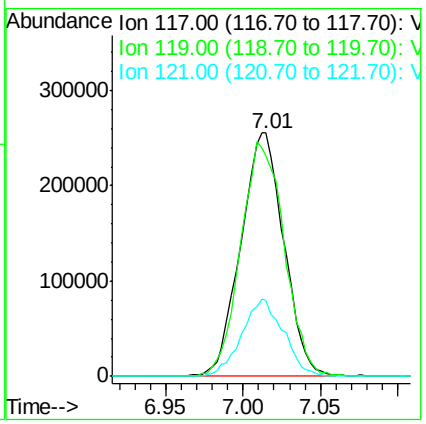


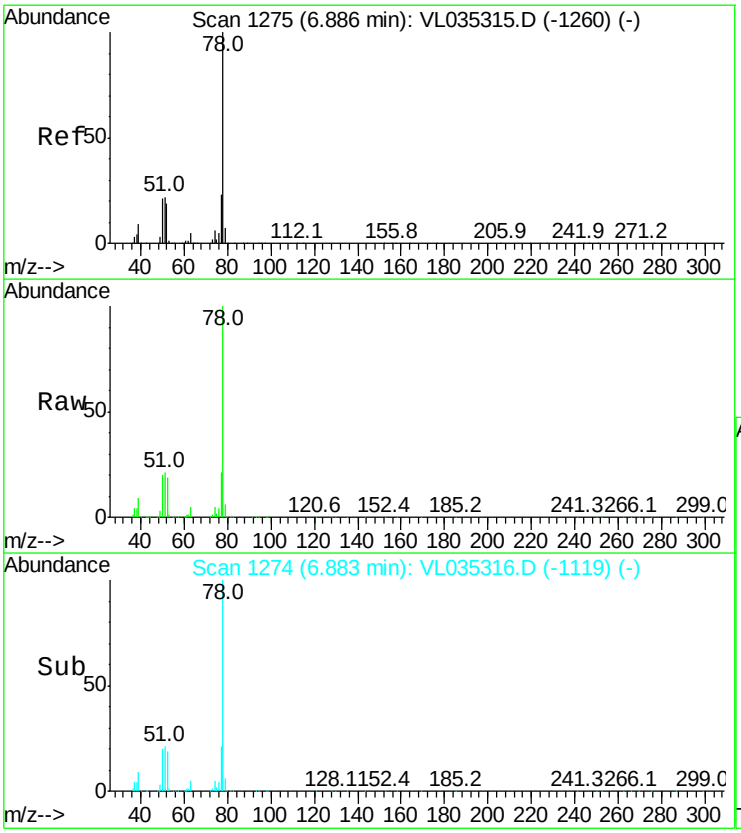
#35
Carbon Tetrachloride
Concen: 2.088 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 495506

Ion	Ratio	Lower	Upper
117	100		
119	90.3	76.1	114.1
121	31.0	25.6	38.4

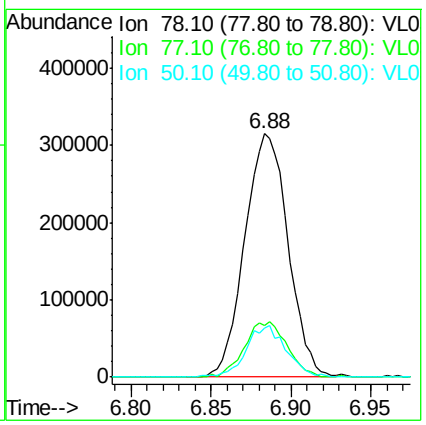


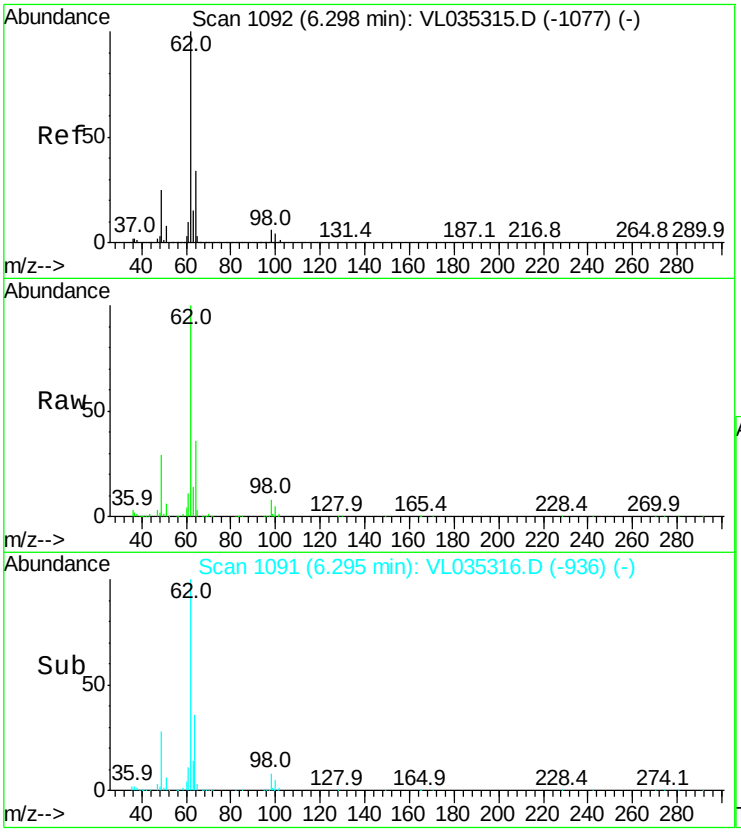


#36
Benzene
Concen: 2.371 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 78 Resp: 584110

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.4	27.6
50	20.0	16.6	25.0



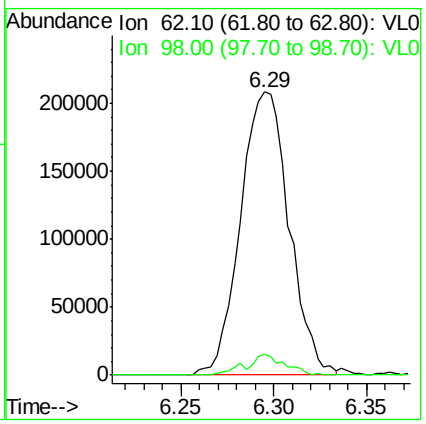


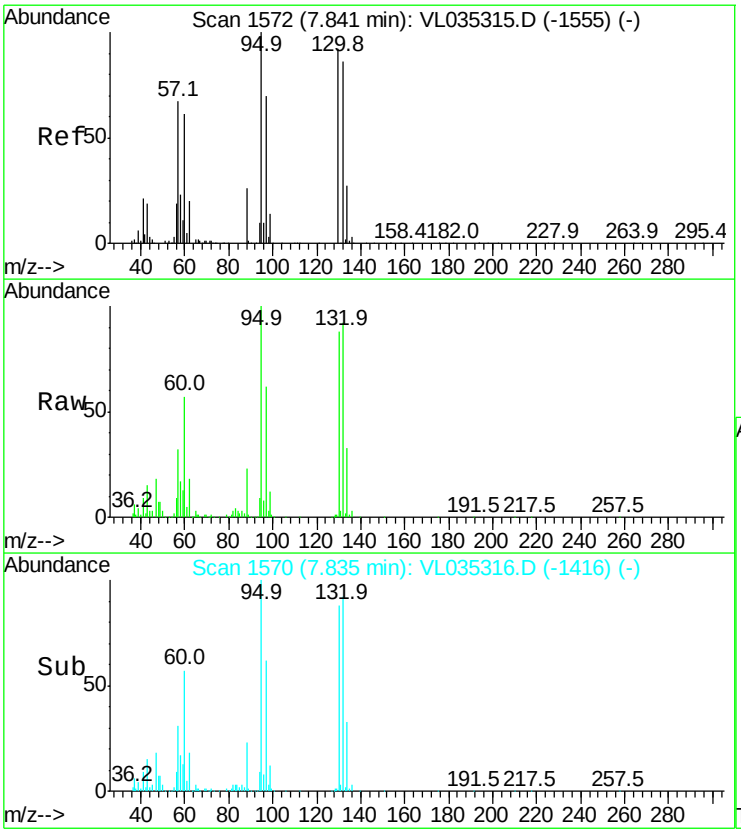
#37
1,2-Dichloroethane
Concen: 2.213 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 381059

Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.6	7.0

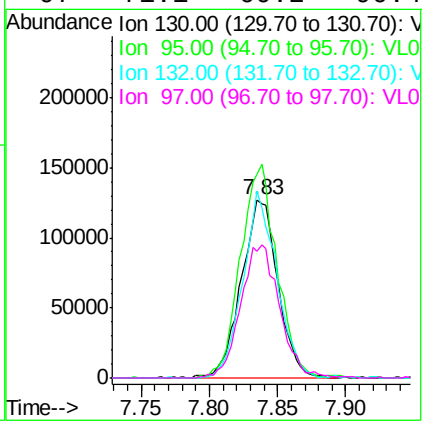


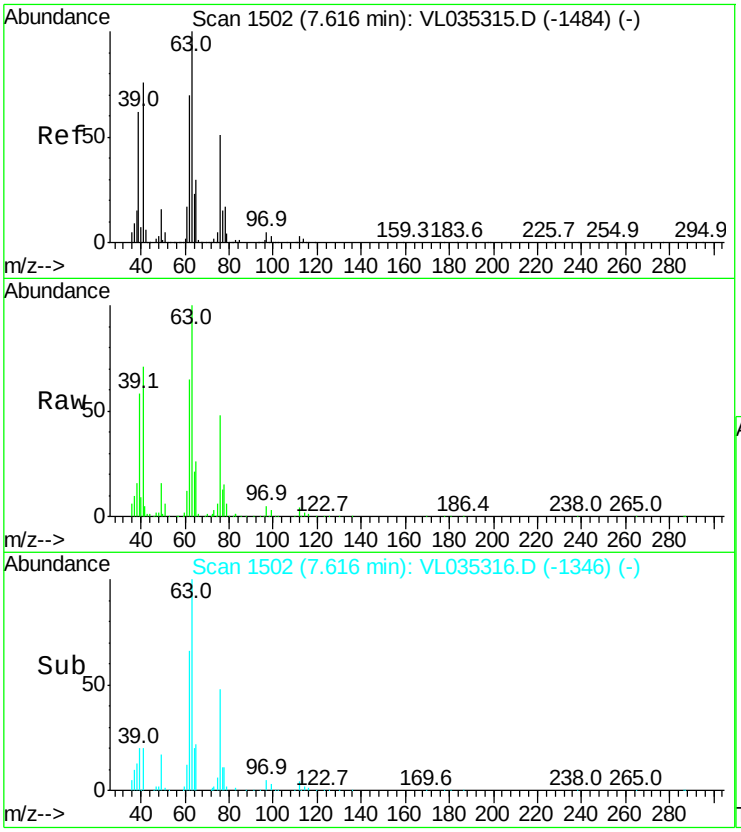


#38
Trichloroethene
Concen: 2.327 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:130 Resp: 237587

Ion	Ratio	Lower	Upper
130	100		
95	114.2	86.3	129.5
132	104.5	74.2	111.2
97	71.1	60.2	90.4



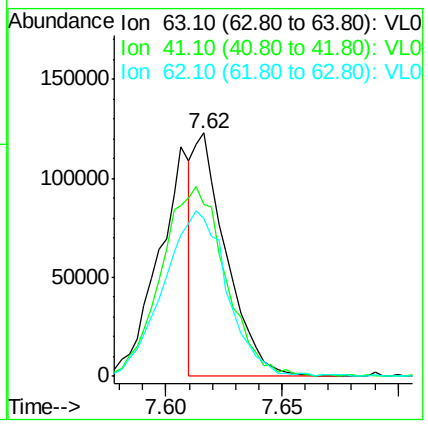


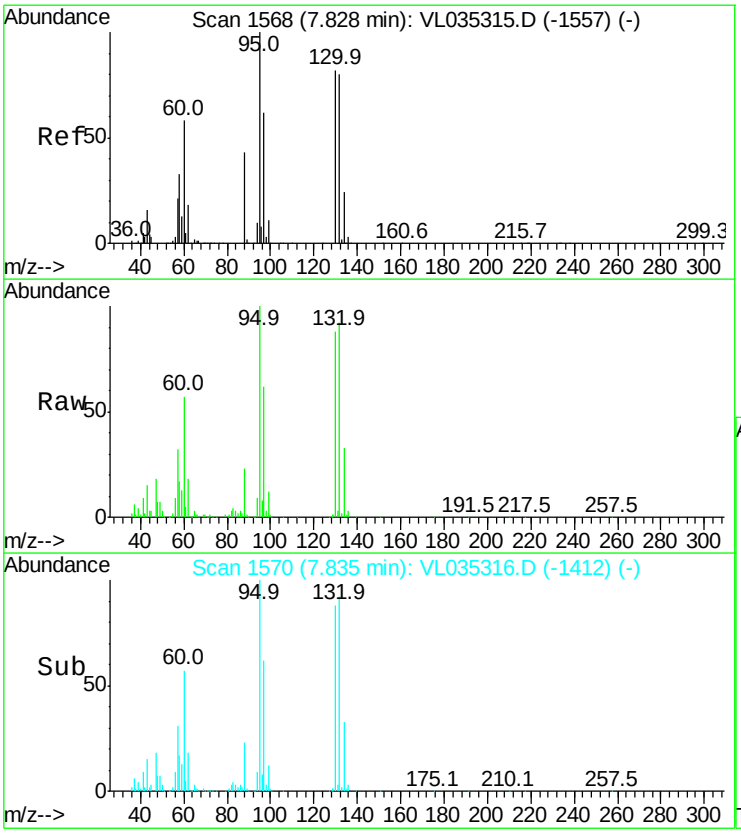
#39
1,2-Dichloropropane
Concen: 1.212 ppbv
RT: 7.62 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 63 Resp: 119103

Ion	Ratio	Lower	Upper
63	100		
41	70.5	61.0	91.4
62	64.1	55.8	83.8

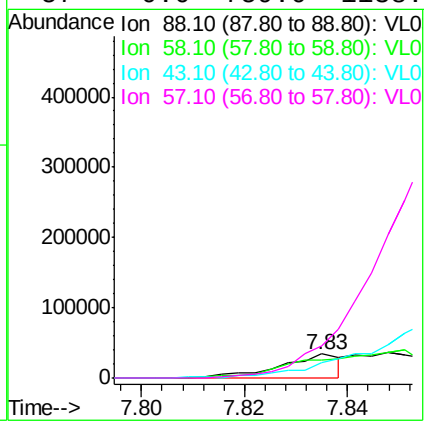


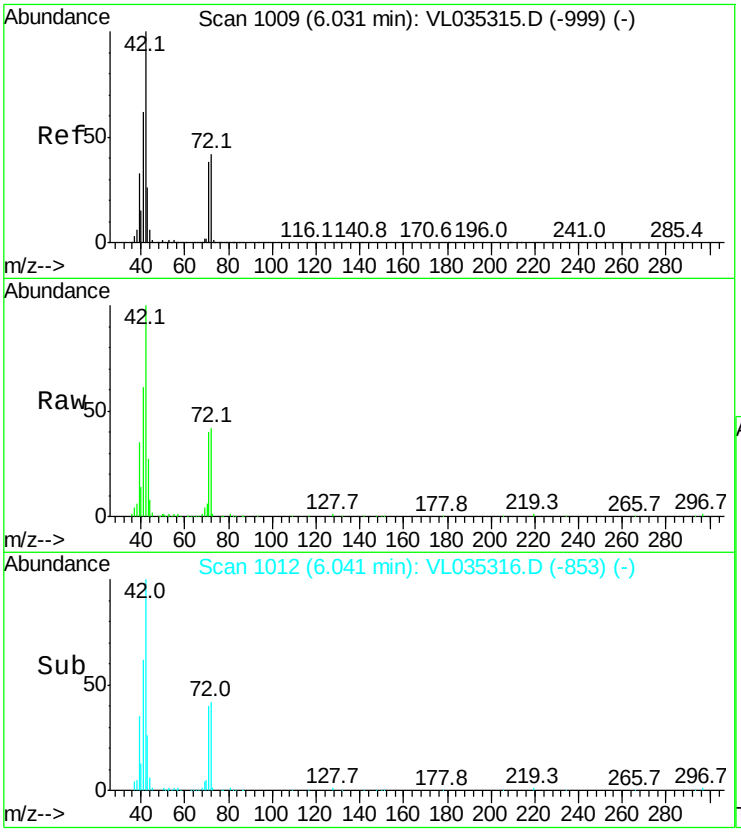


#40
1,4-Dioxane
Concen: 0.714 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 88 Resp: 27638

Ion	Ratio	Lower	Upper
88	100		
58	0.0	95.4	143.2#
43	0.0	172.7	259.1#
57	0.0	759.0	1138.4#



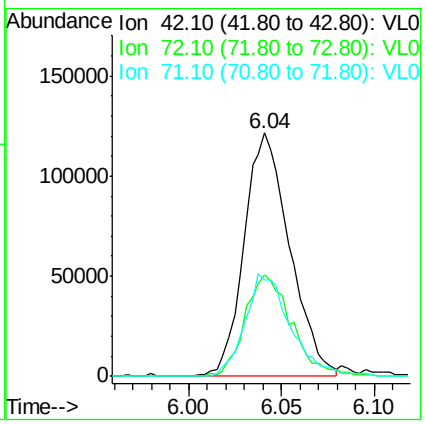


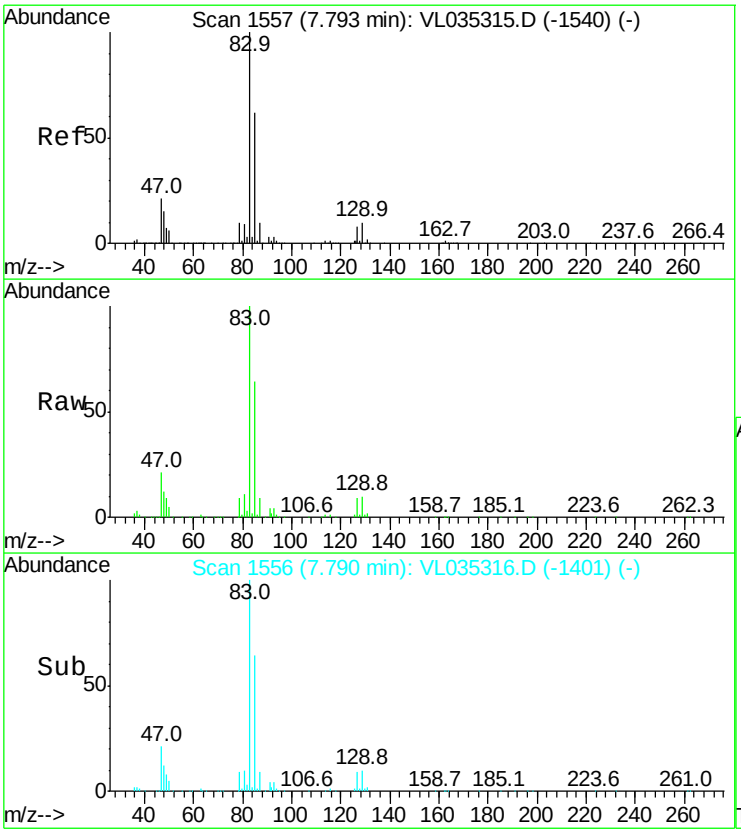
#41
Tetrahydrofuran
Concen: 2.343 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 42 Resp: 207118

Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.8	50.8
71	42.2	32.7	49.1

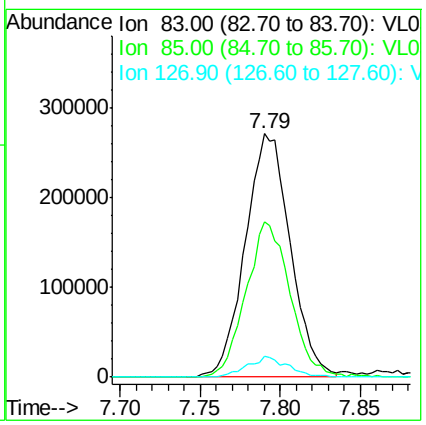


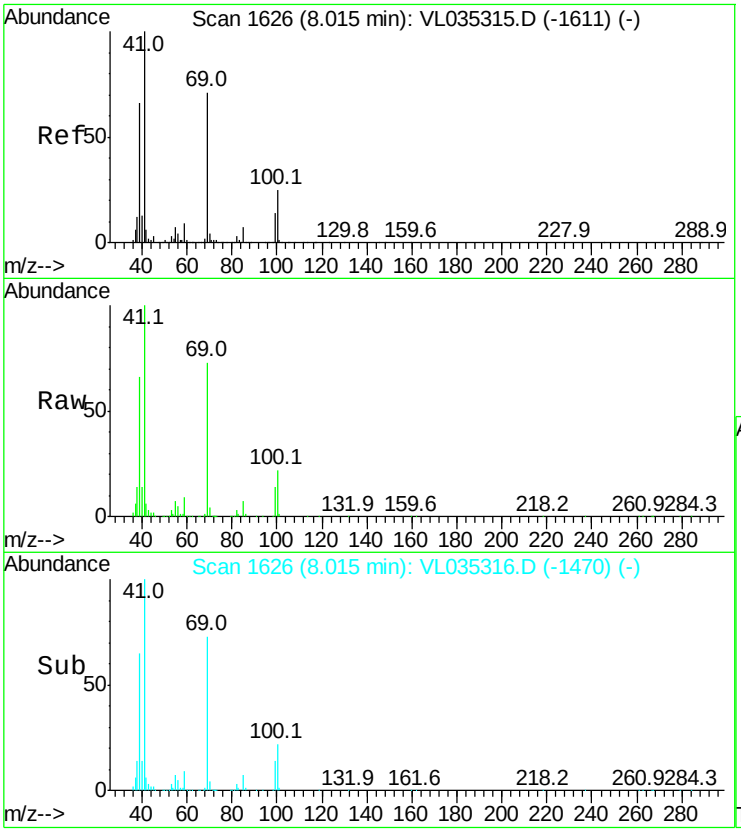


#42
Bromodichloromethane
Concen: 2.277 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 83 Resp: 523340

Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.9	74.9
127	8.5	6.6	10.0



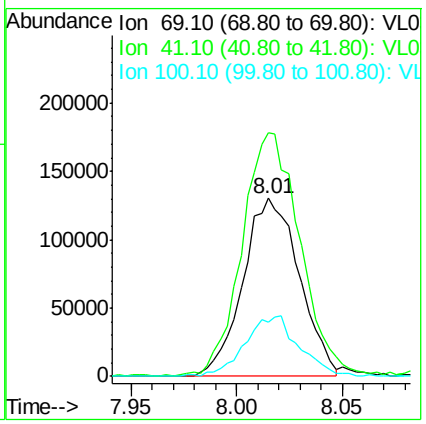


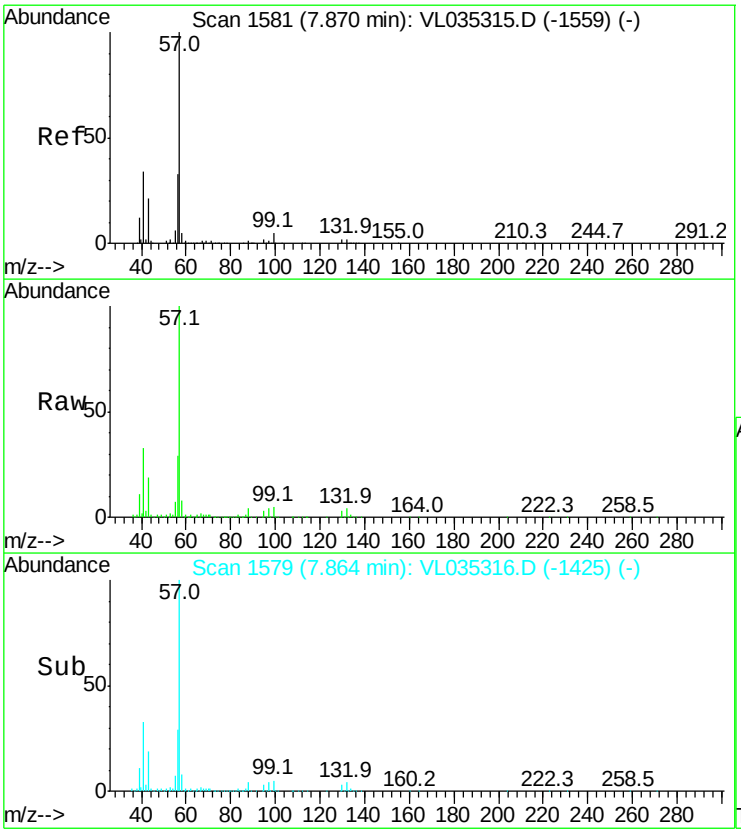
#43
Methyl Methacrylate
Concen: 2.244 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 239444

Ion	Ratio	Lower	Upper
69	100		
41	142.8	110.9	166.3
100	33.0	26.0	39.0

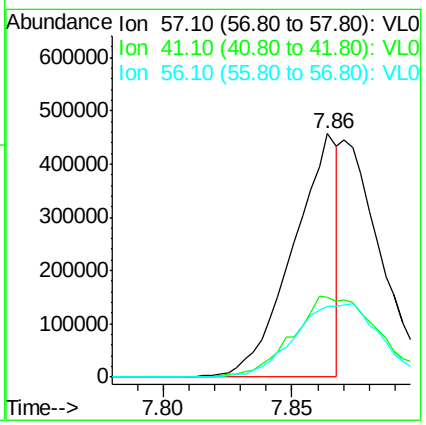


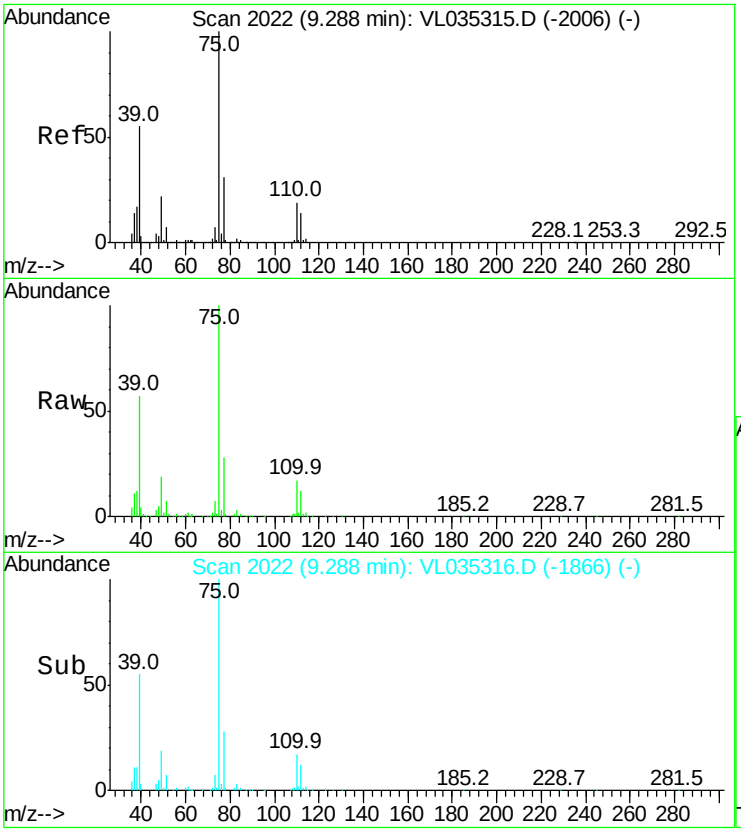


#44
2,2,4-Trimethylpentane
Concen: 1.265 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 57 Resp: 548795

Ion	Ratio	Lower	Upper
57	100		
41	62.7	26.7	40.1#
56	0.0	25.4	38.0#



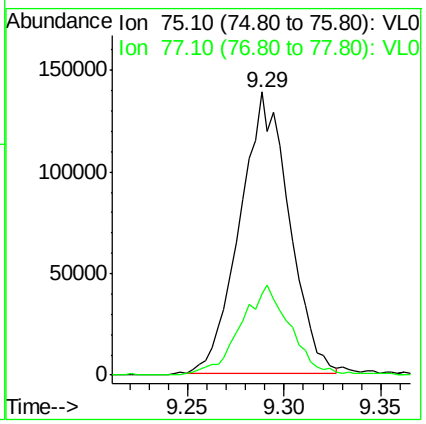


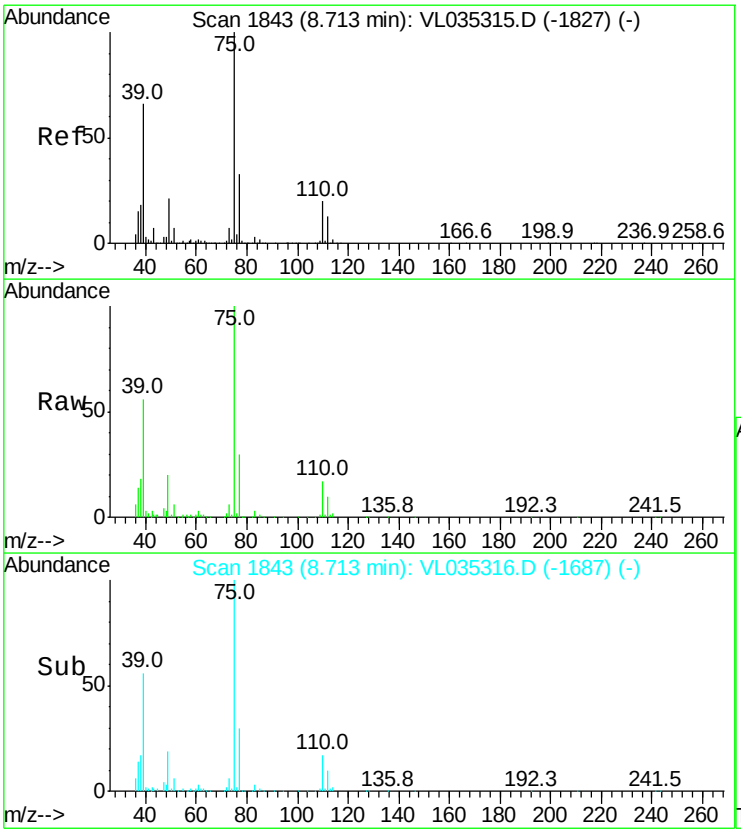
#45
t-1,3-Dichloropropene
Concen: 2.274 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 75 Resp: 244492

Ion	Ratio	Lower	Upper
75	100		
77	29.1	24.6	37.0

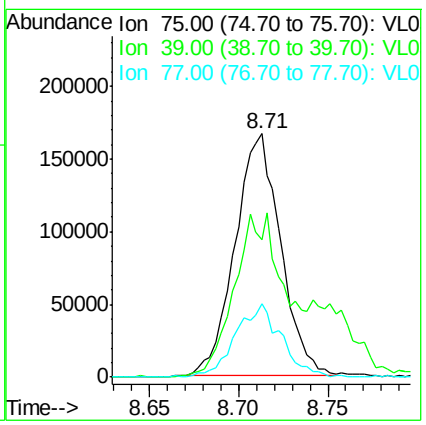


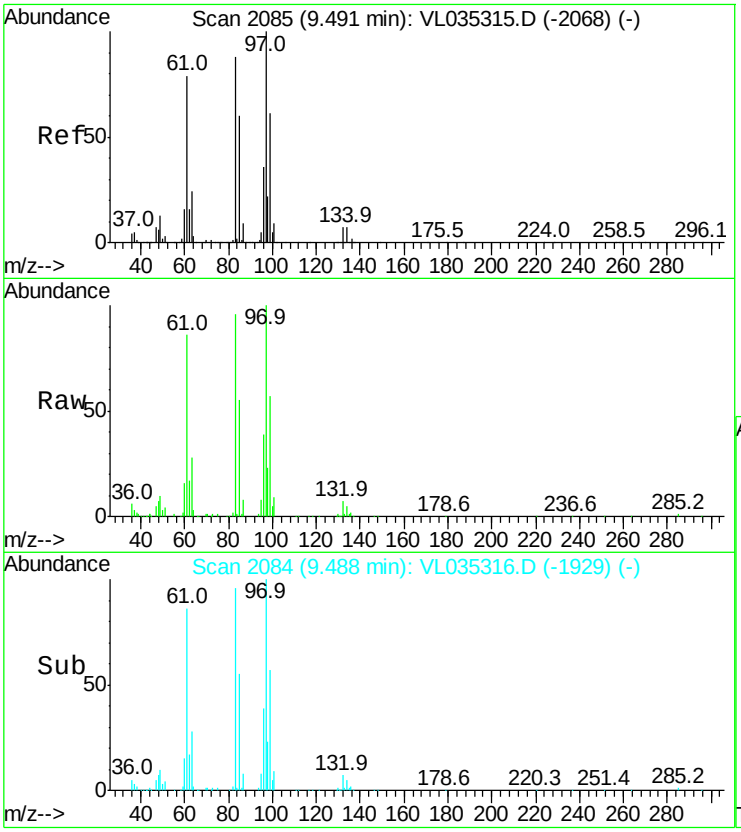


#46
cis-1,3-Dichloropropene
Concen: 2.272 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 75 Resp: 297603

Ion	Ratio	Lower	Upper
75	100		
39	56.0	52.6	79.0
77	29.8	26.5	39.7



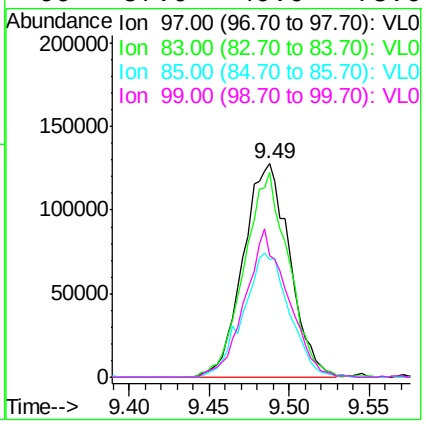


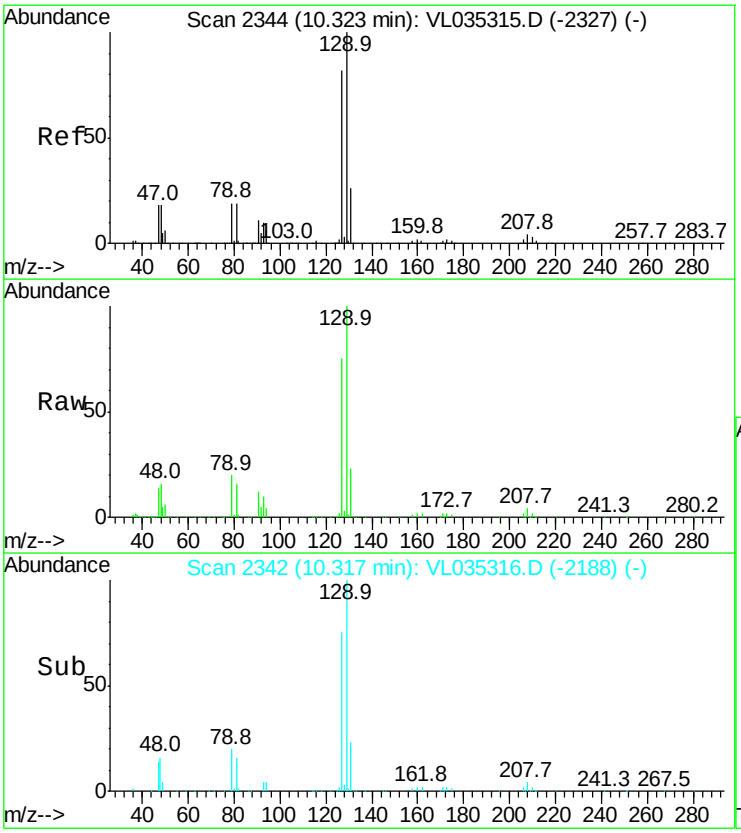
#47
1,1,2-Trichloroethane
Concen: 2.186 ppbv
RT: 9.49 min Scan# 2084
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 97 Resp: 253739

Ion	Ratio	Lower	Upper
97	100		
83	96.1	70.6	105.8
85	55.2	47.8	71.8
99	57.0	49.0	73.6

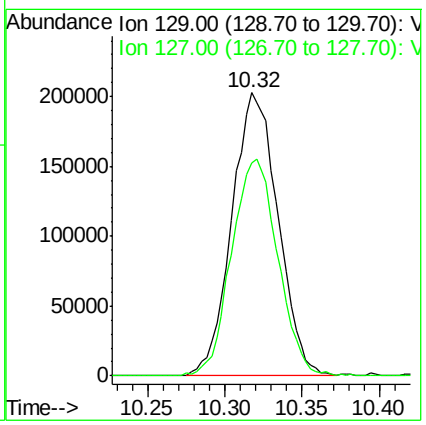


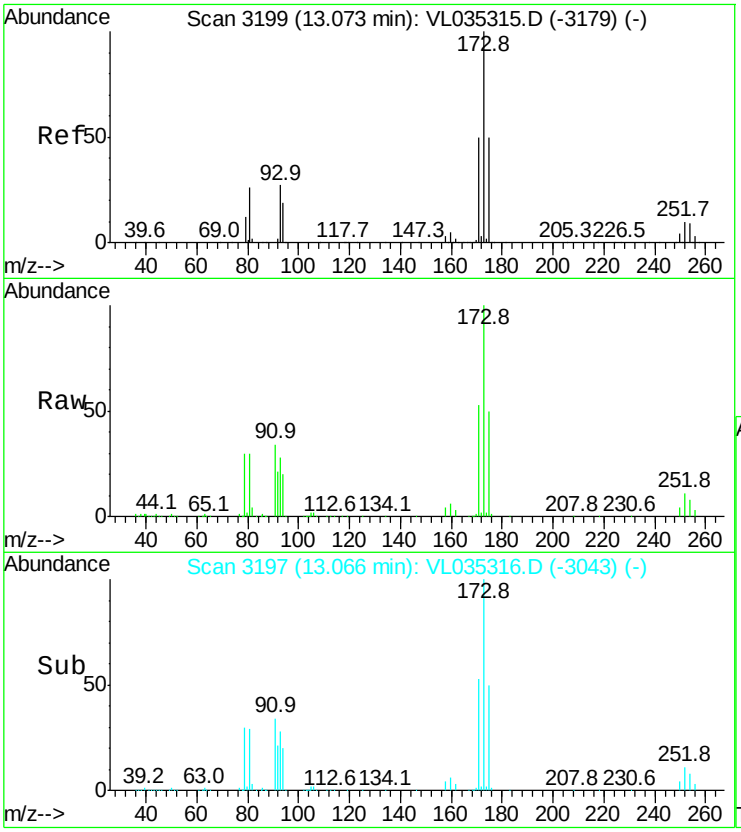


#48
Dibromochloromethane
Concen: 2.303 ppbv
RT: 10.32 min Scan# 2342
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:129 Resp: 421084

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.0	117.0



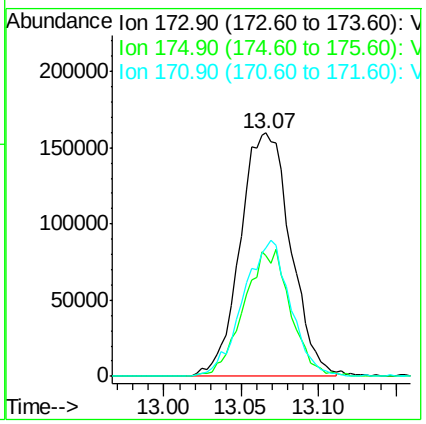


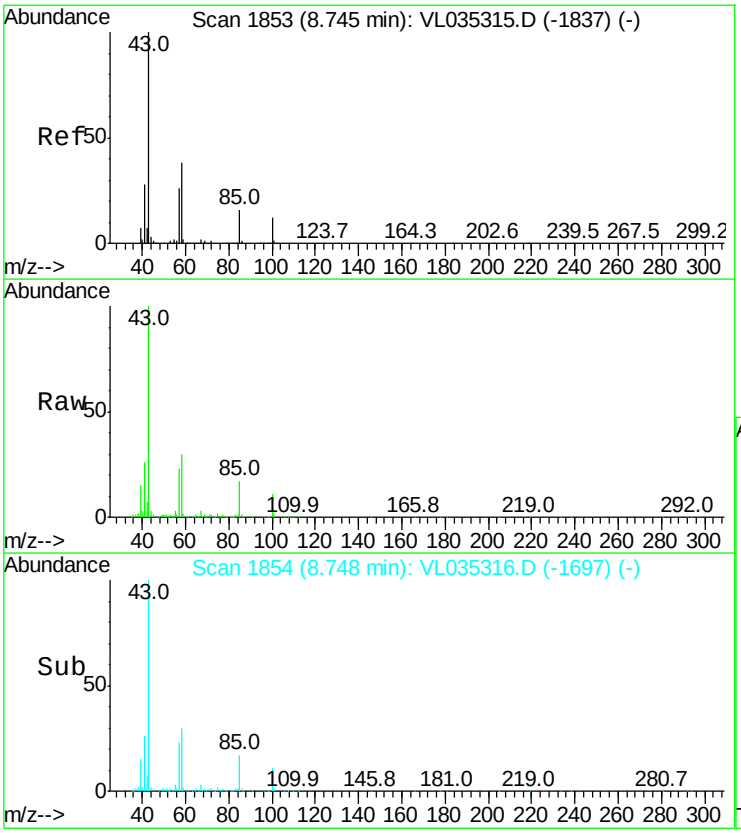
#49
Bromoform
Concen: 2.200 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 361587

Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.8	59.6
171	52.5	42.0	63.0

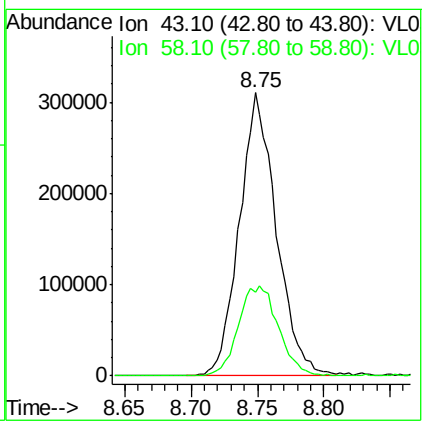


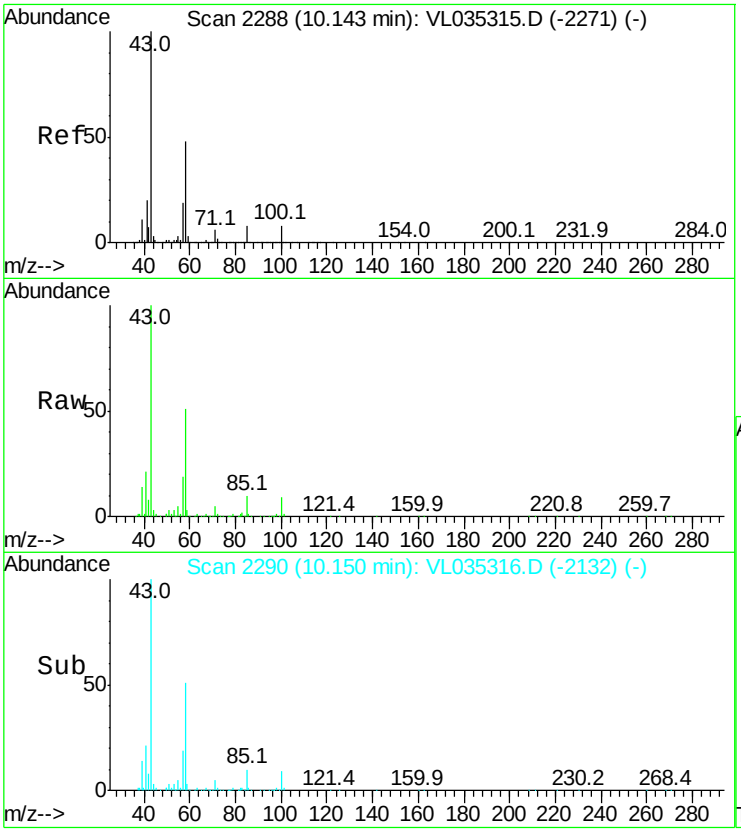


#50
4-Methyl-2-Pentanone
Concen: 2.303 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 43 Resp: 601848

Ion	Ratio	Lower	Upper
43	100		
58	34.7	29.8	44.6



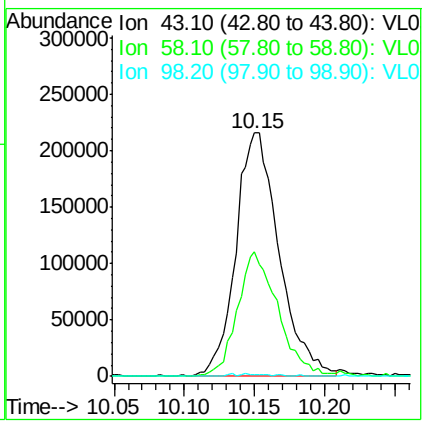


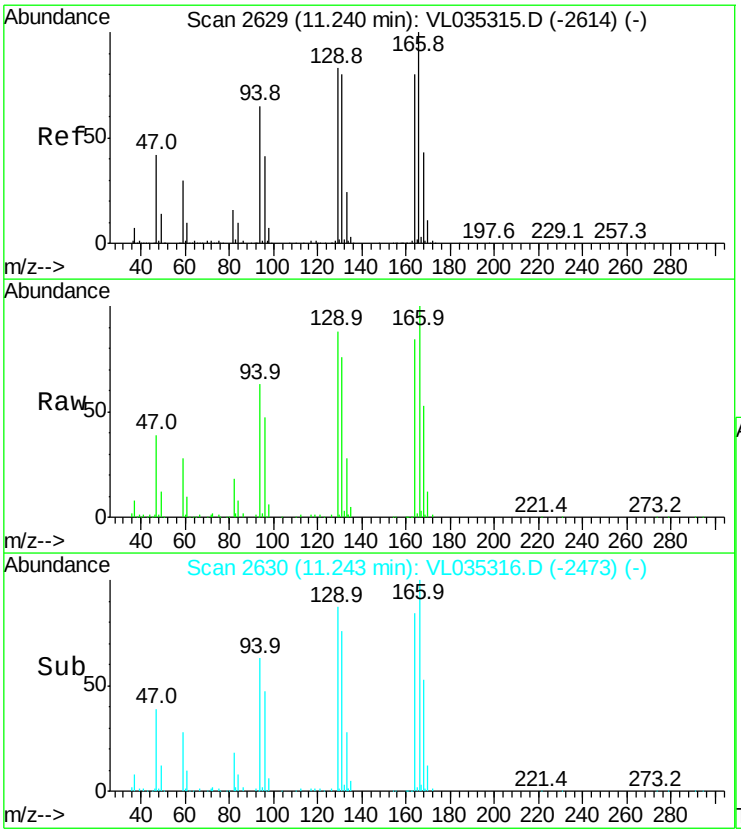
#51
2-Hexanone
Concen: 2.339 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 463516

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.8	59.6
98	1.0	0.3	0.5#

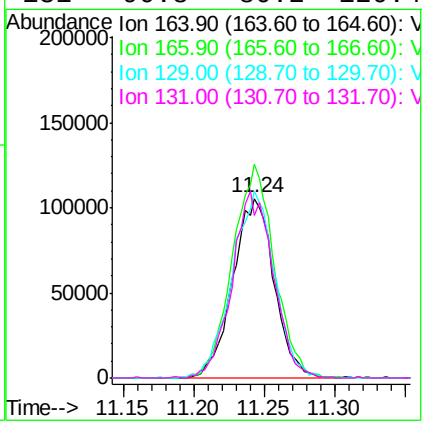


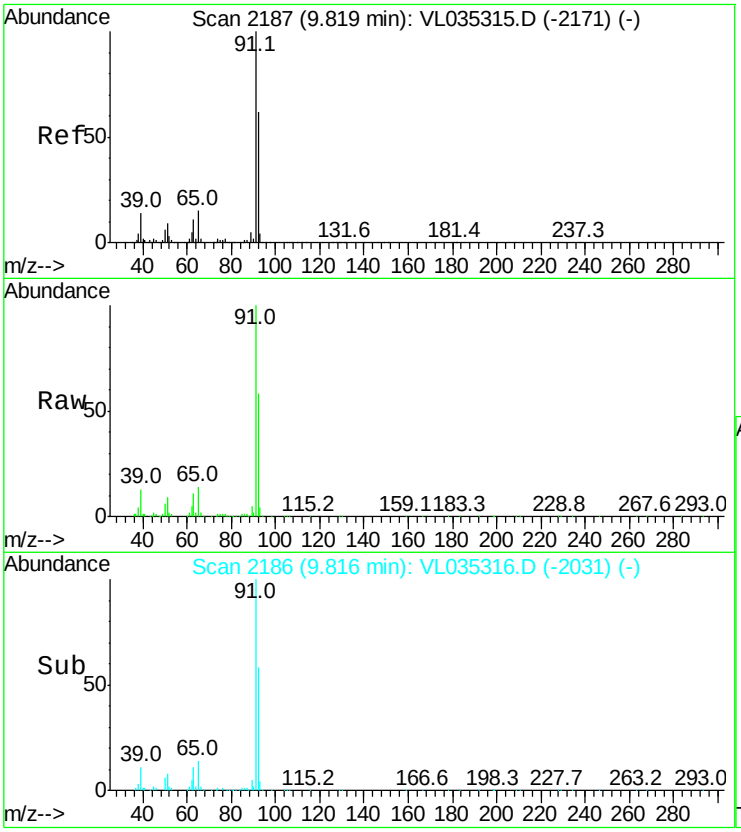


#52
Tetrachloroethene
Concen: 2.308 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:164 Resp: 216933

Ion	Ratio	Lower	Upper
164	100		
166	118.9	100.2	150.2
129	104.2	82.7	124.1
131	90.8	80.2	120.4



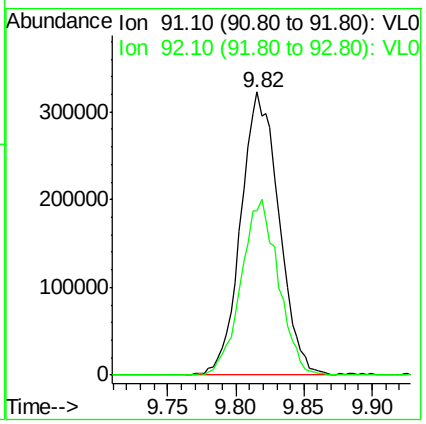


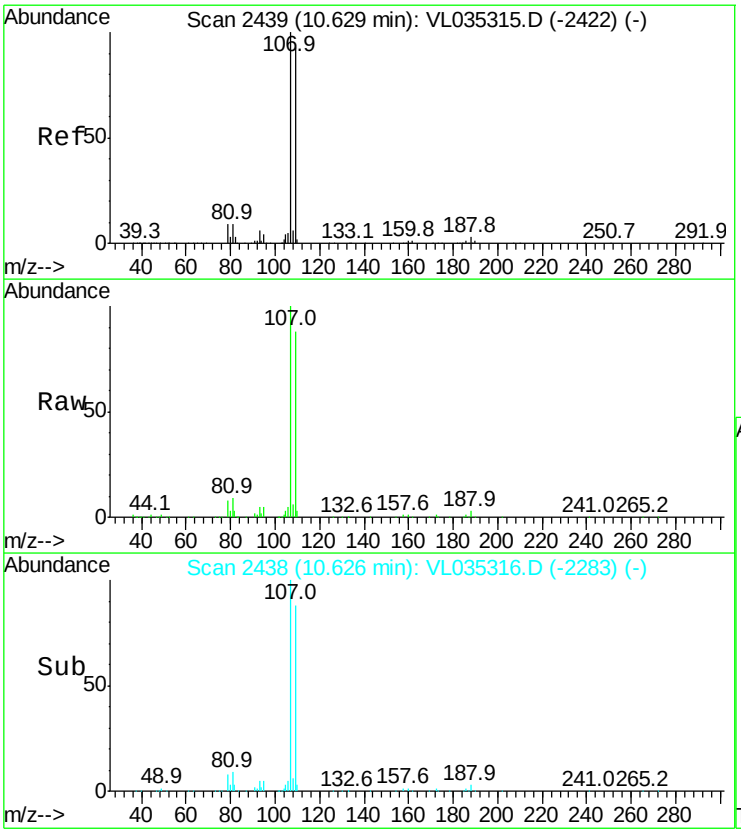
#53
Toluene
Concen: 2.386 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 624647

Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.7	73.1

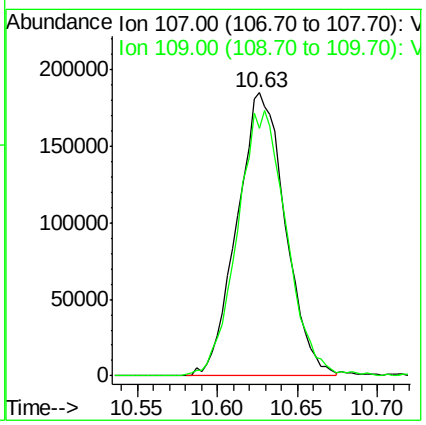


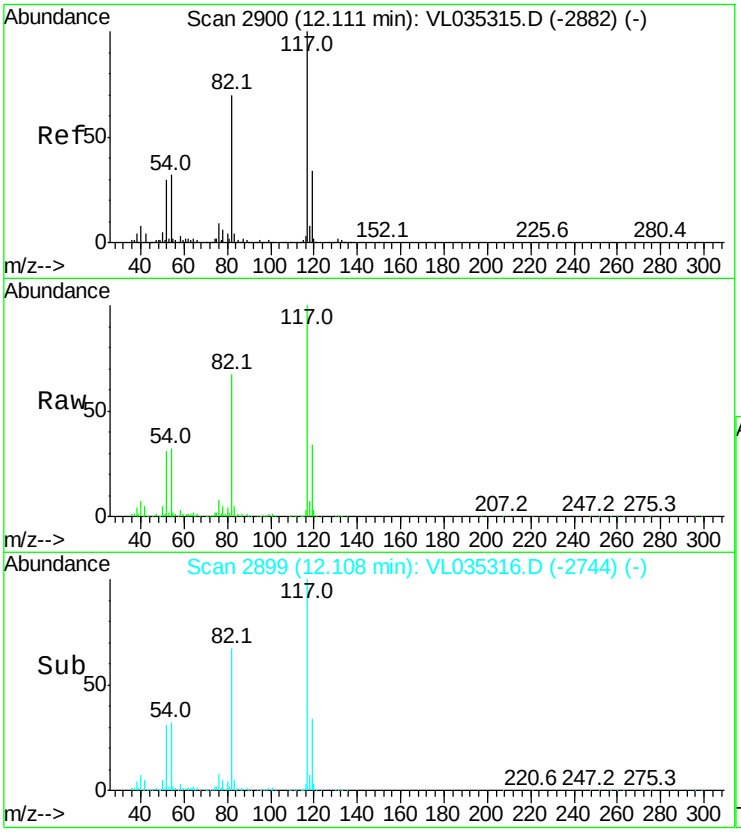


#54
1,2-Dibromoethane
Concen: 2.278 ppbv
RT: 10.63 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:107 Resp: 382369

Ion	Ratio	Lower	Upper
107	100		
109	86.9	74.4	111.6



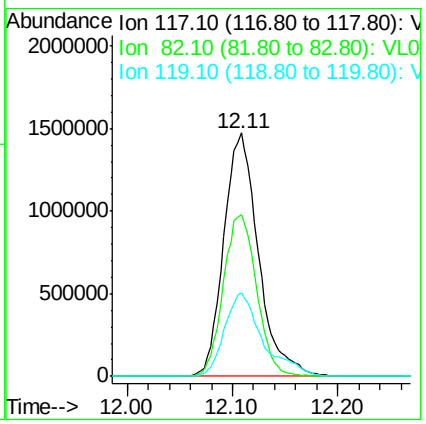


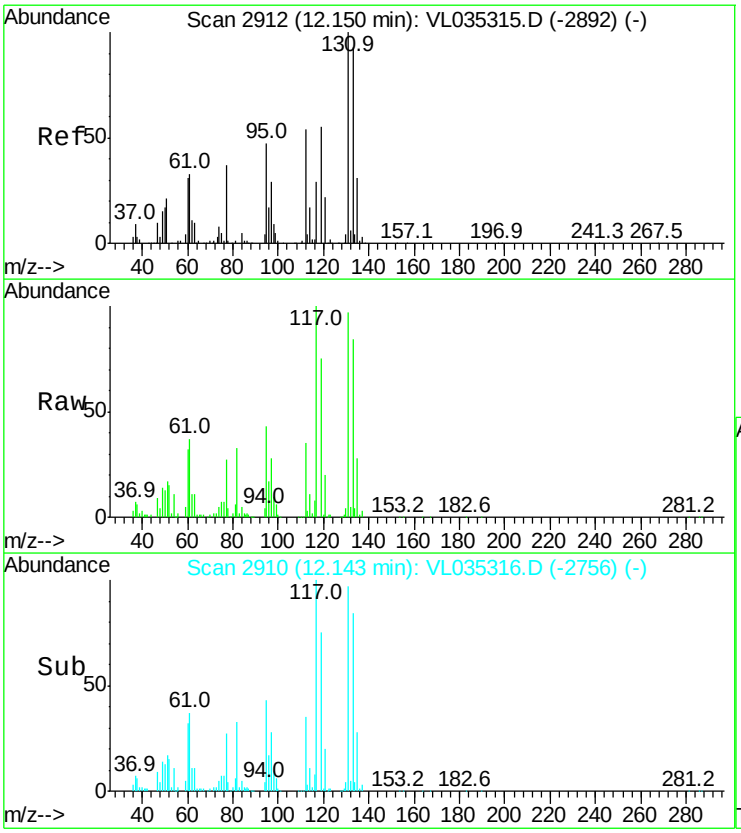
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 3353325

Ion	Ratio	Lower	Upper
117	100		
82	64.0	50.6	76.0
119	37.8	24.1	36.1#

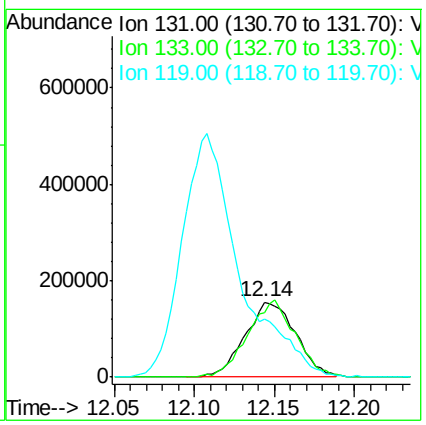


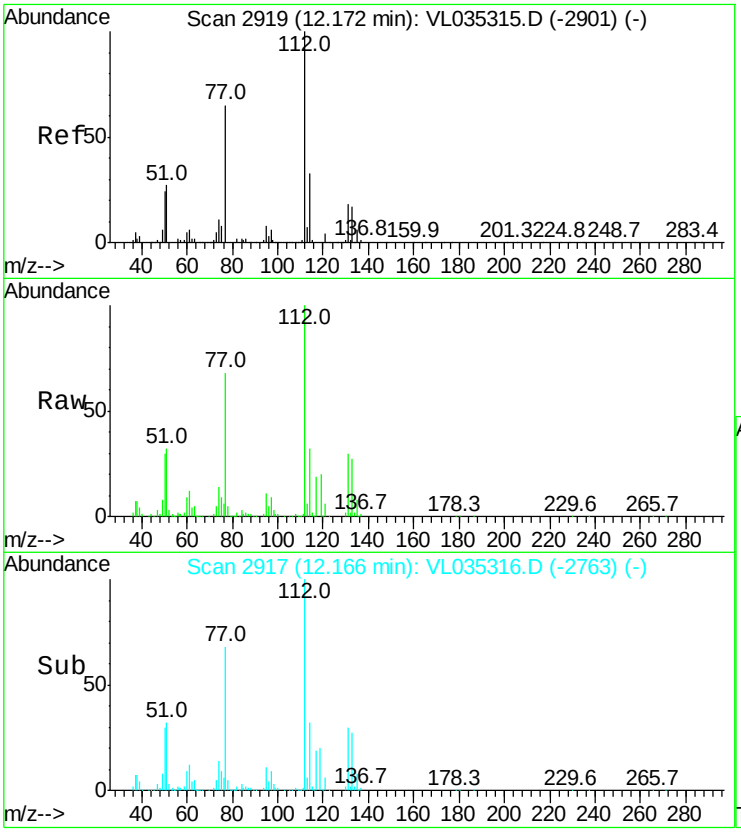


#56
1,1,1,2-Tetrachloroethane
Concen: 2.180 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:131 Resp: 336099

Ion	Ratio	Lower	Upper
131	100		
133	97.9	75.5	113.3
119	376.2	53.1	79.7#



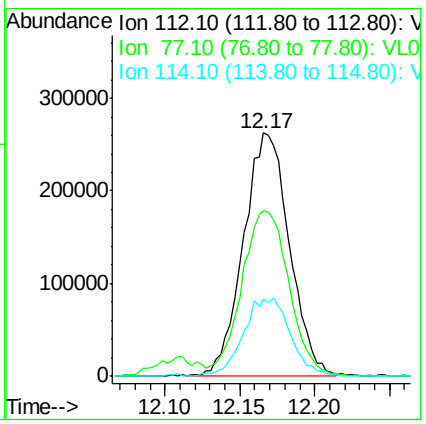


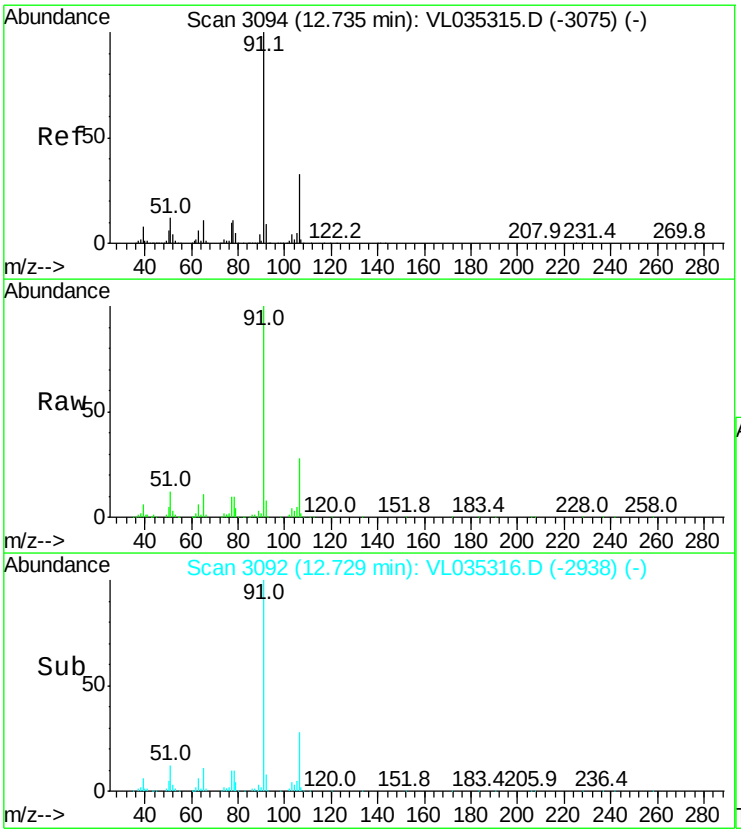
#57
Chlorobenzene
Concen: 2.208 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:112 Resp: 557140

Ion	Ratio	Lower	Upper
112	100		
77	66.7	53.0	79.6
114	31.7	30.0	36.6

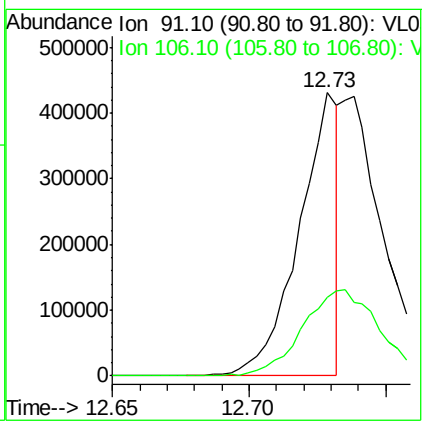


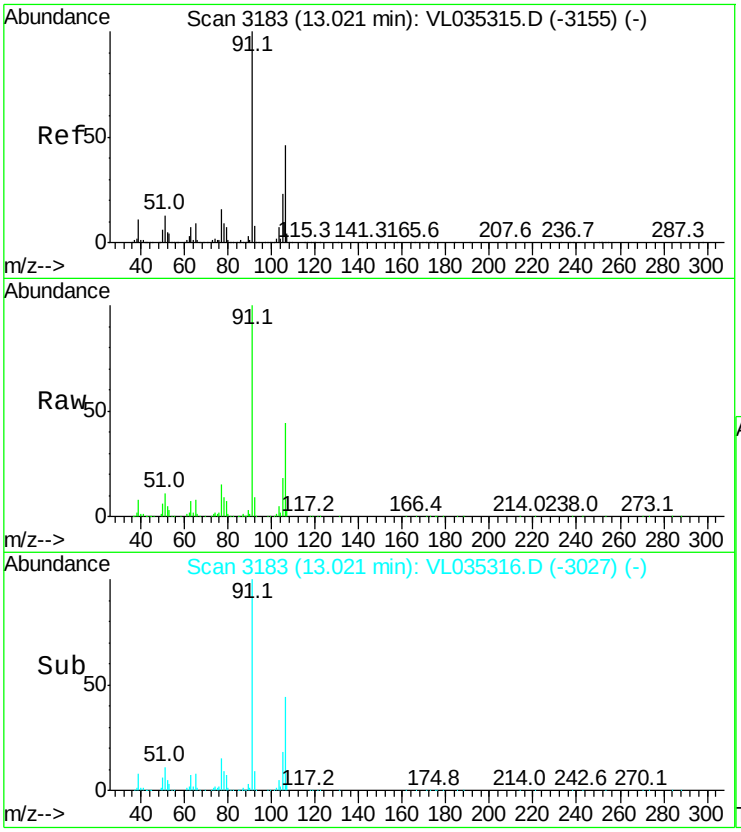


#58
Ethyl Benzene
Concen: 1.202 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 91 Resp: 426932

Ion	Ratio	Lower	Upper
91	100		
106	27.9	26.3	39.5



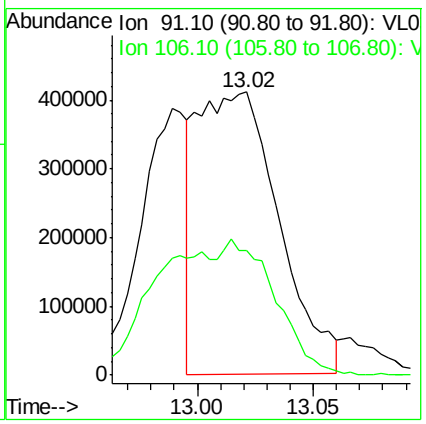


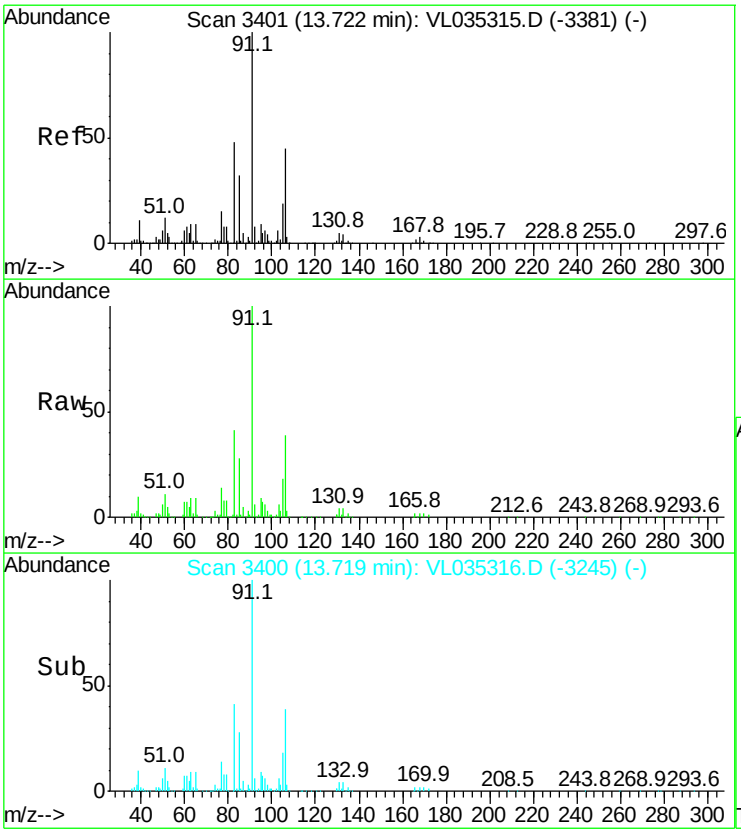
#59
m/p-Xylene
Concen: 3.016 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 997239

Ion	Ratio	Lower	Upper
91	100		
106	69.9	36.6	55.0#

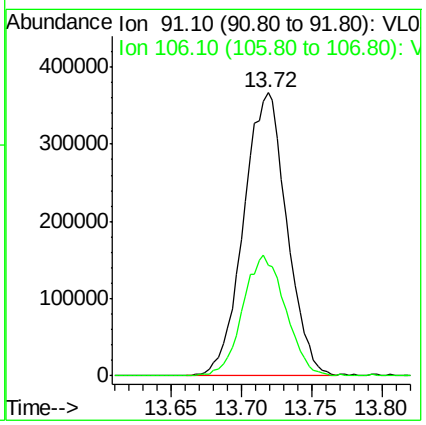


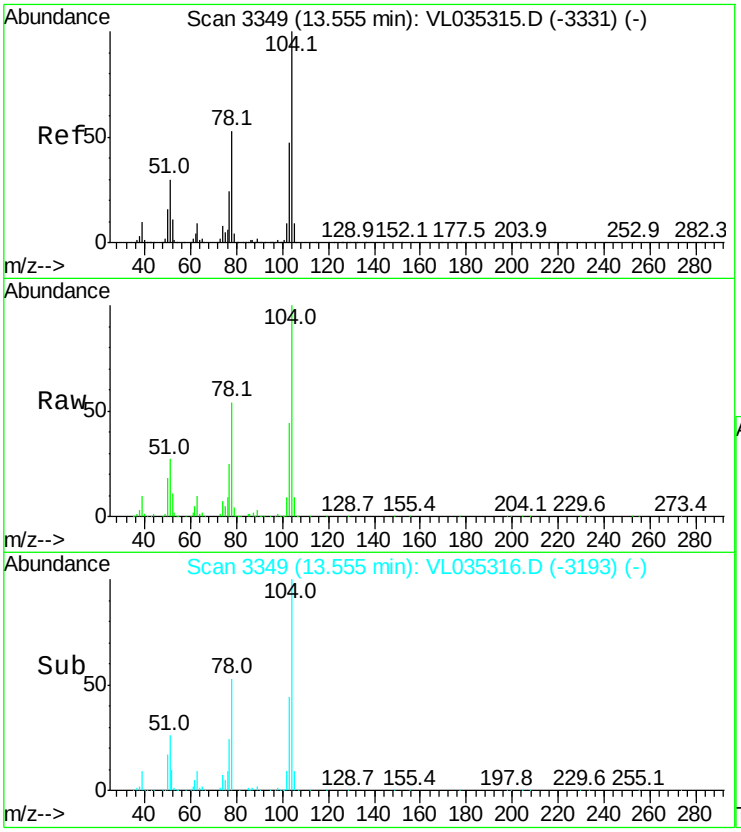


#60
o-Xylene
Concen: 2.379 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 91 Resp: 784717

Ion	Ratio	Lower	Upper
91	100		
106	42.2	22.4	67.3



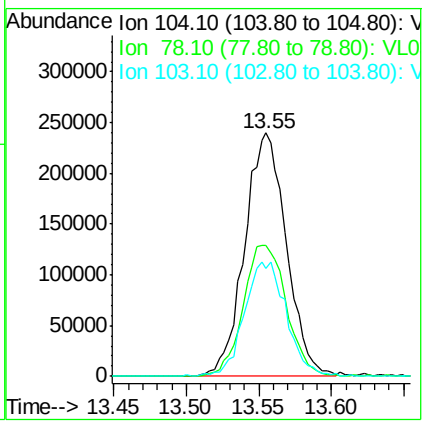


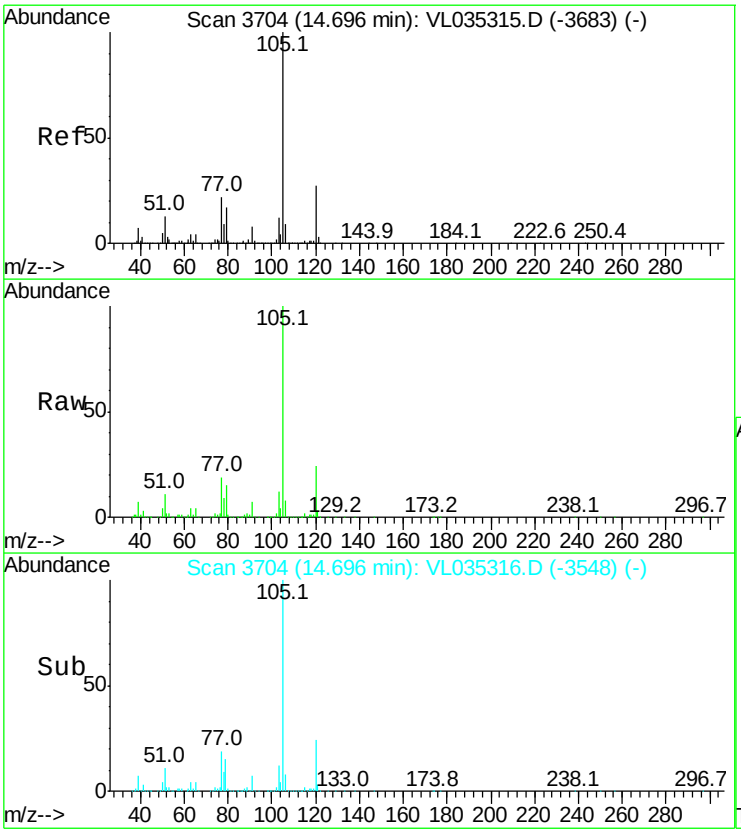
#61
Styrene
Concen: 2.396 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 479858

Ion	Ratio	Lower	Upper
104	100		
78	56.0	43.1	64.7
103	47.4	37.6	56.4

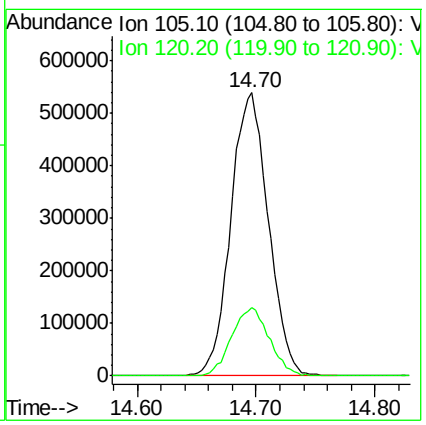


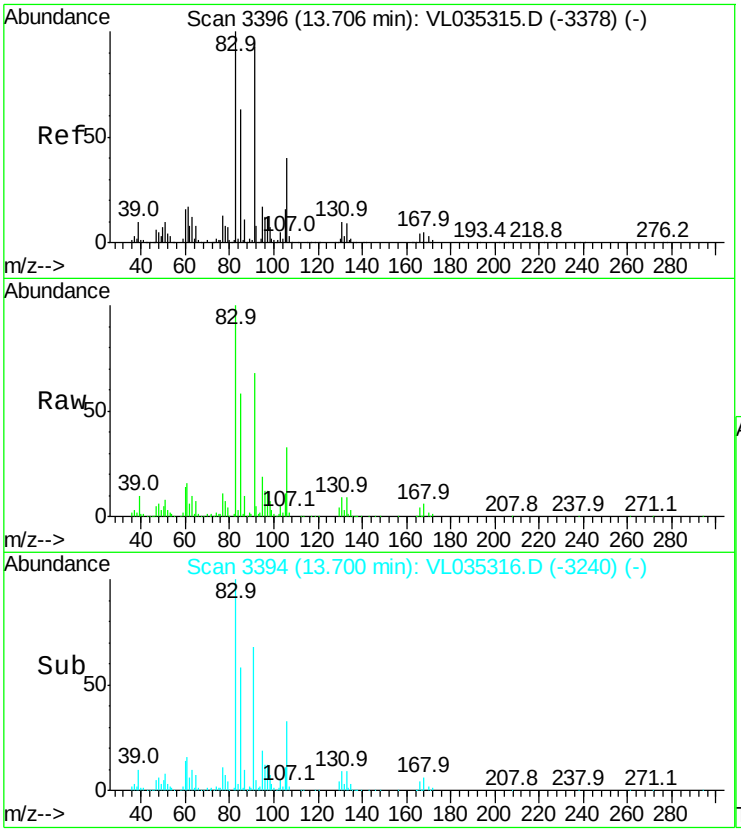


#62
Isopropylbenzene
Concen: 2.401 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:105 Resp: 1178654

Ion	Ratio	Lower	Upper
105	100		
120	24.1	21.0	31.4



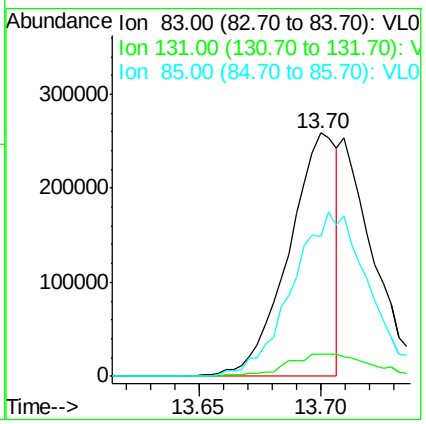


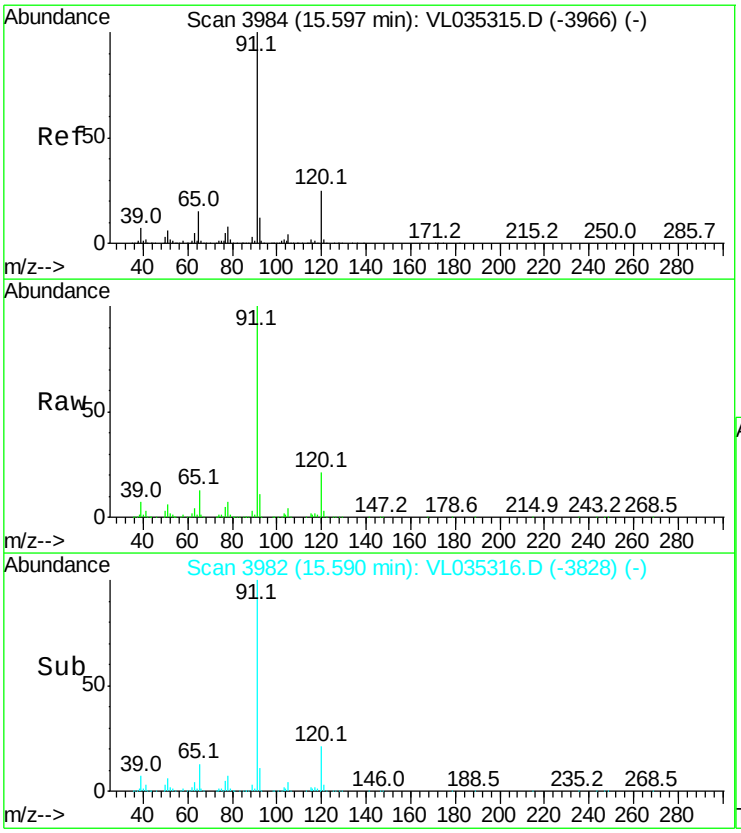
#63
1,1,2,2-Tetrachloroethane
Concen: 1.242 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 83 Resp: 352476

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	0.0	32.6	97.7#

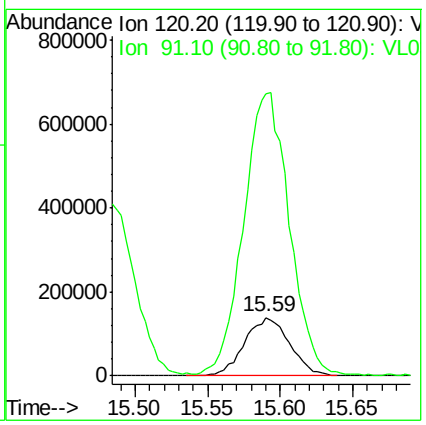


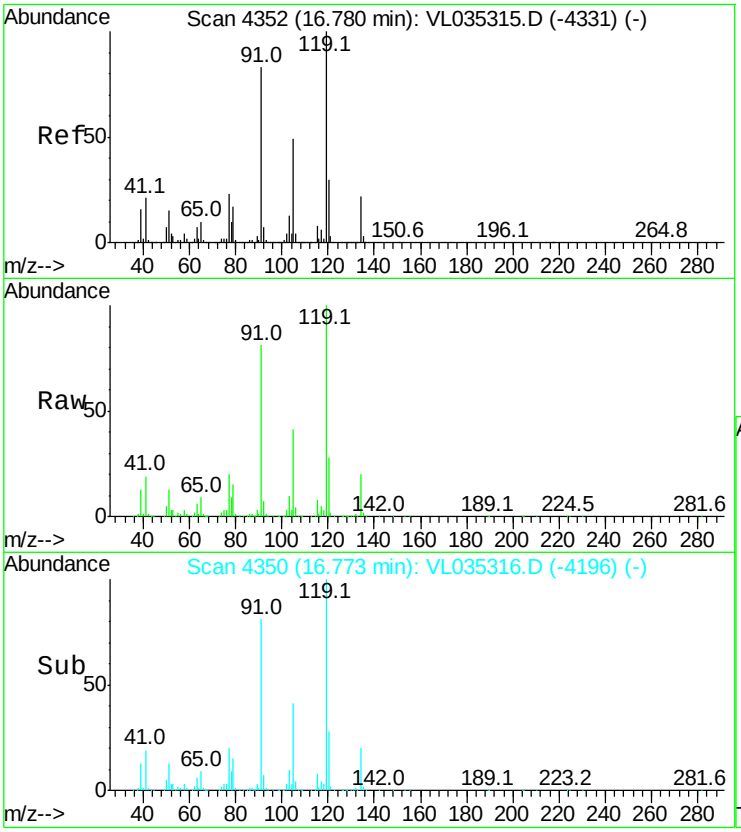


#64
n-propylbenzene
Concen: 2.291 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:120 Resp: 299097

Ion	Ratio	Lower	Upper
120	100		
91	497.4	359.3	538.9



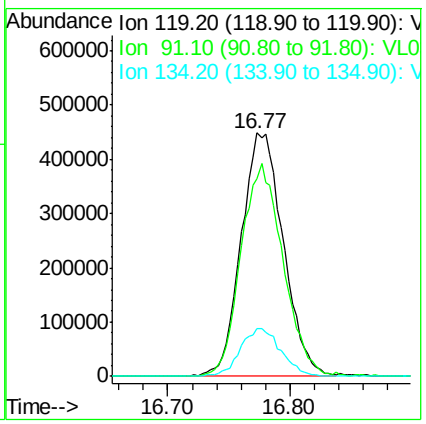


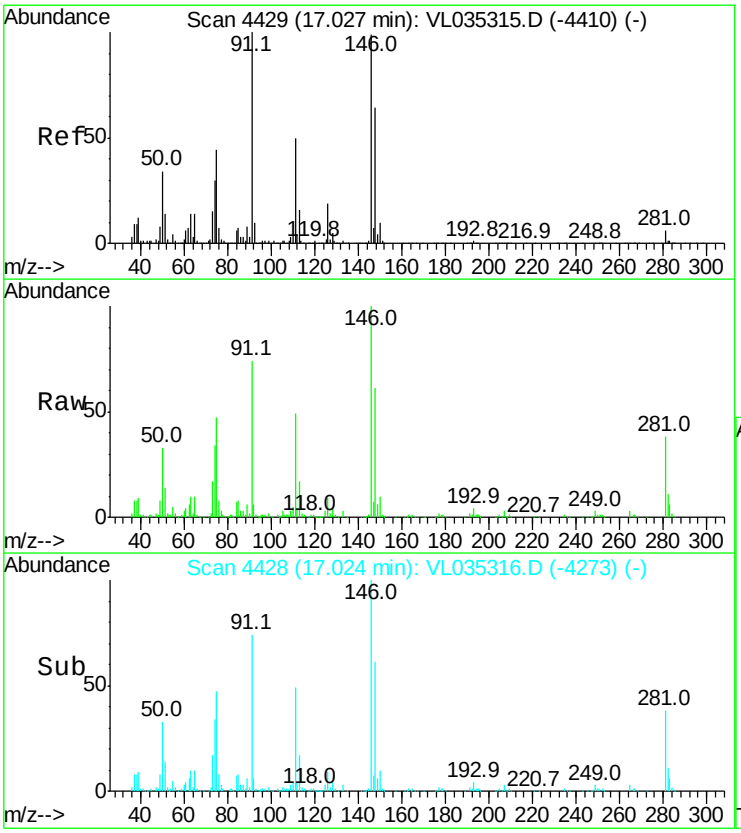
#65
tert-Butylbenzene
Concen: 2.404 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 1069296

Ion	Ratio	Lower	Upper
119	100		
91	87.6	67.8	101.8
134	18.8	16.1	24.1

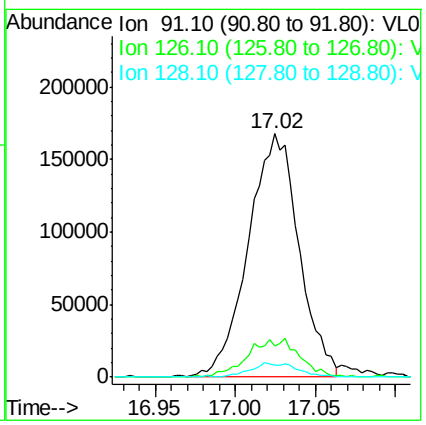


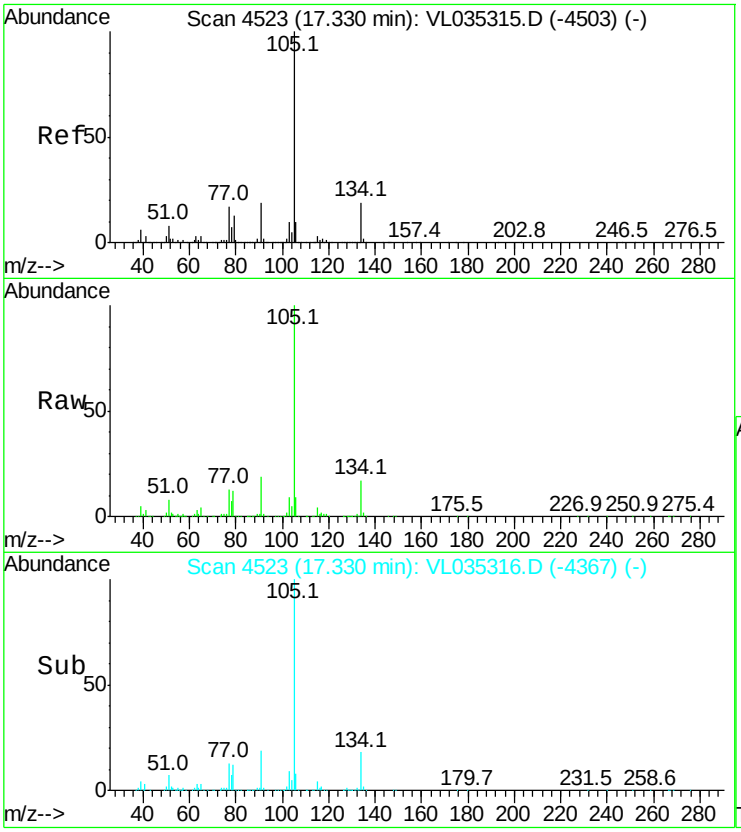


#66
Benzyl Chloride
Concen: 2.092 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 91 Resp: 364506

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.8	20.8
128	5.6	4.2	6.4



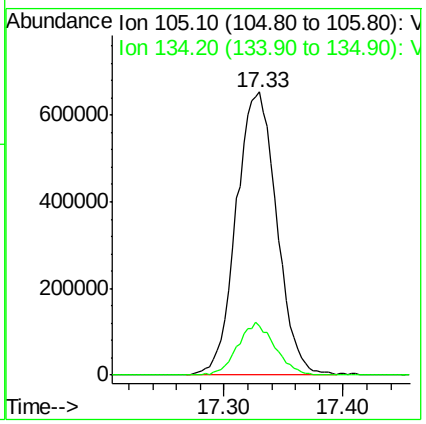


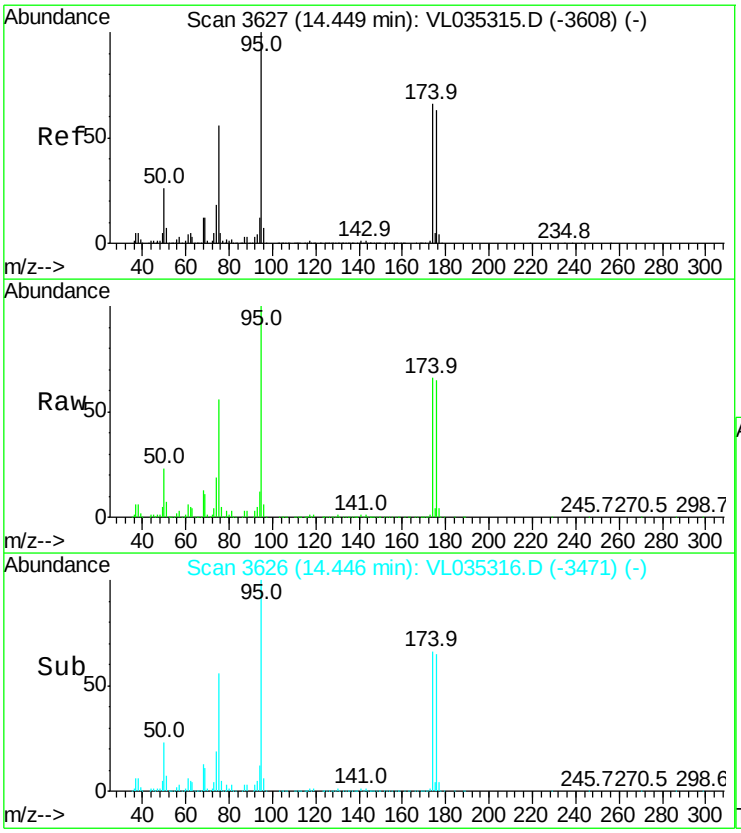
#67
sec-Butylbenzene
Concen: 2.352 ppbv
RT: 17.33 min Scan# 4523
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1528387

Ion	Ratio	Lower	Upper
105	100		
134	17.3	15.1	22.7

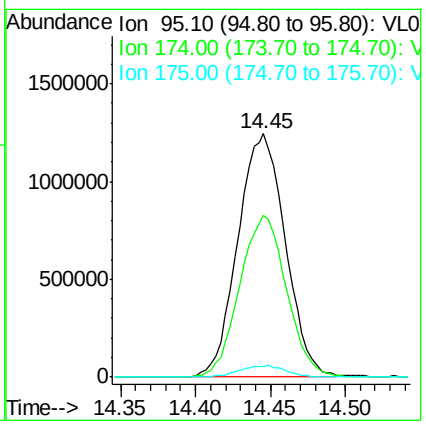


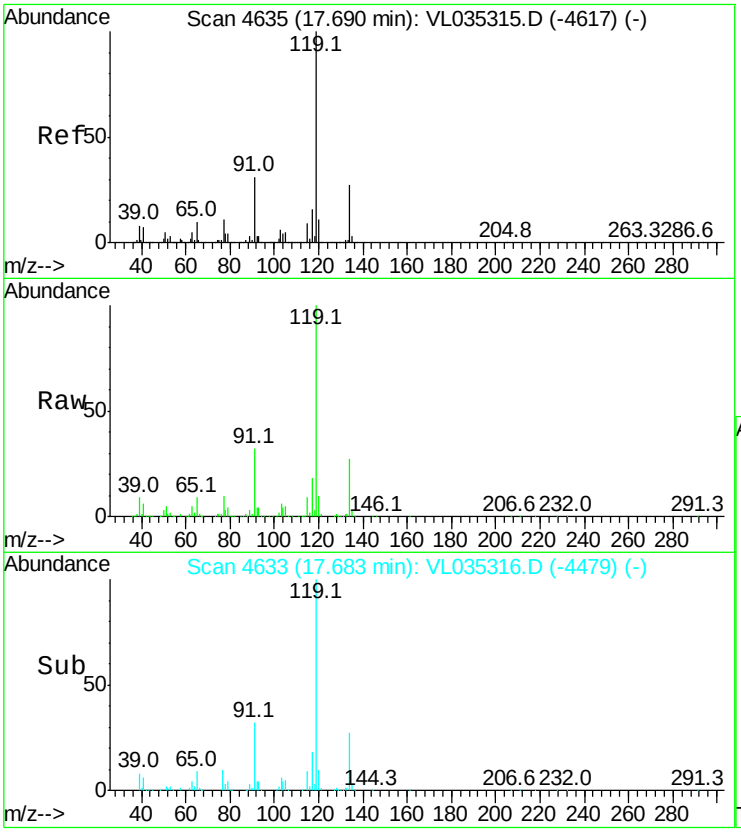


#68
1-Bromo-4-Fluorobenzene
Concen: 10.232 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 95 Resp: 2741830

Ion	Ratio	Lower	Upper
95	100		
174	66.0	52.5	78.7
175	4.7	3.9	5.9



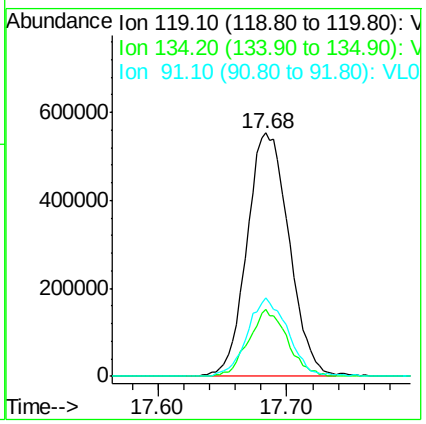


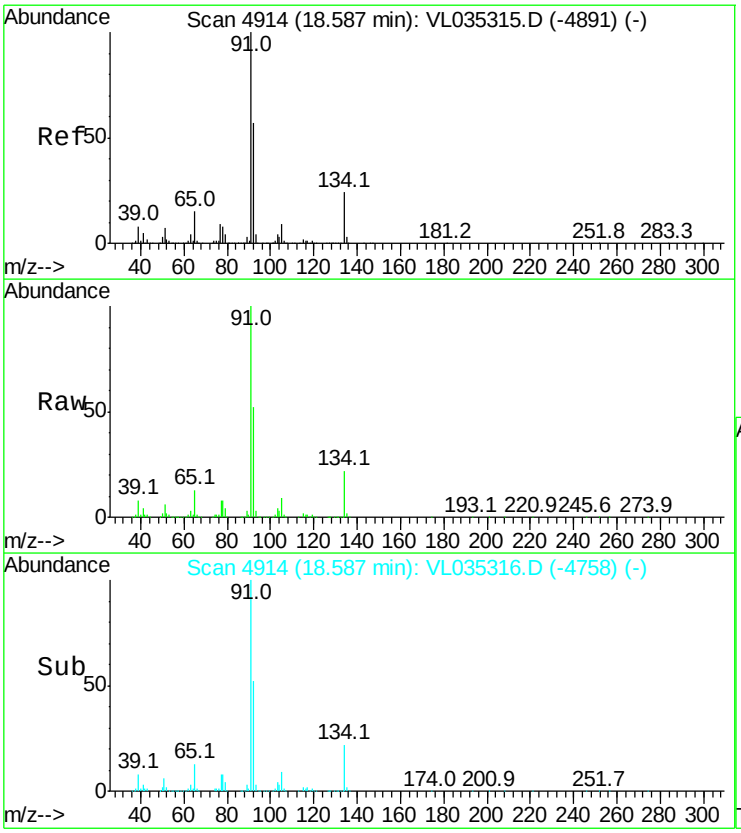
#69
p-Isopropyltoluene
Concen: 2.372 ppbv
RT: 17.68 min Scan# 4633
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1257809

Ion	Ratio	Lower	Upper
119	100		
134	25.4	21.2	31.8
91	31.5	25.3	37.9

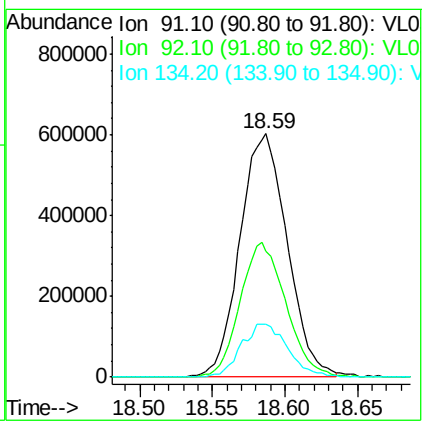


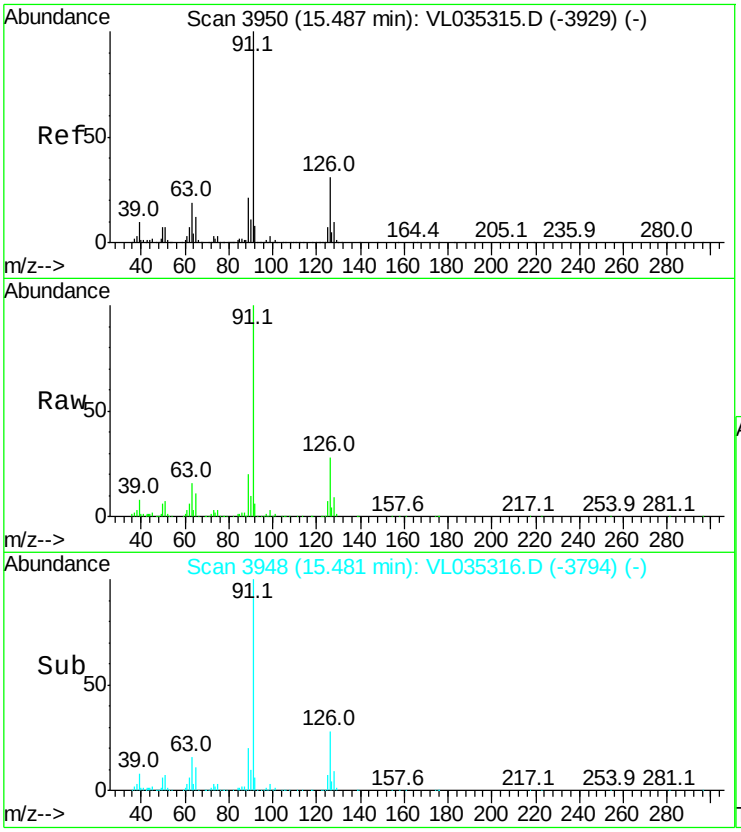


#70
n-Butylbenzene
Concen: 2.364 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion: 91 Resp: 1355953

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.6	66.8
134	21.8	18.6	27.8



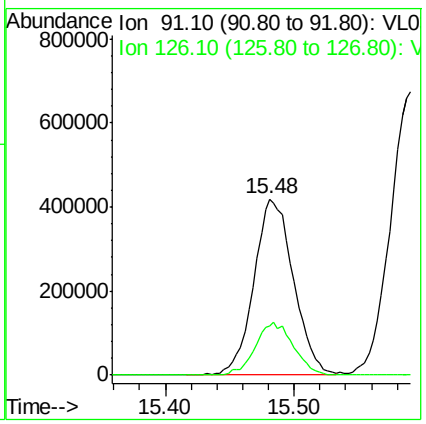


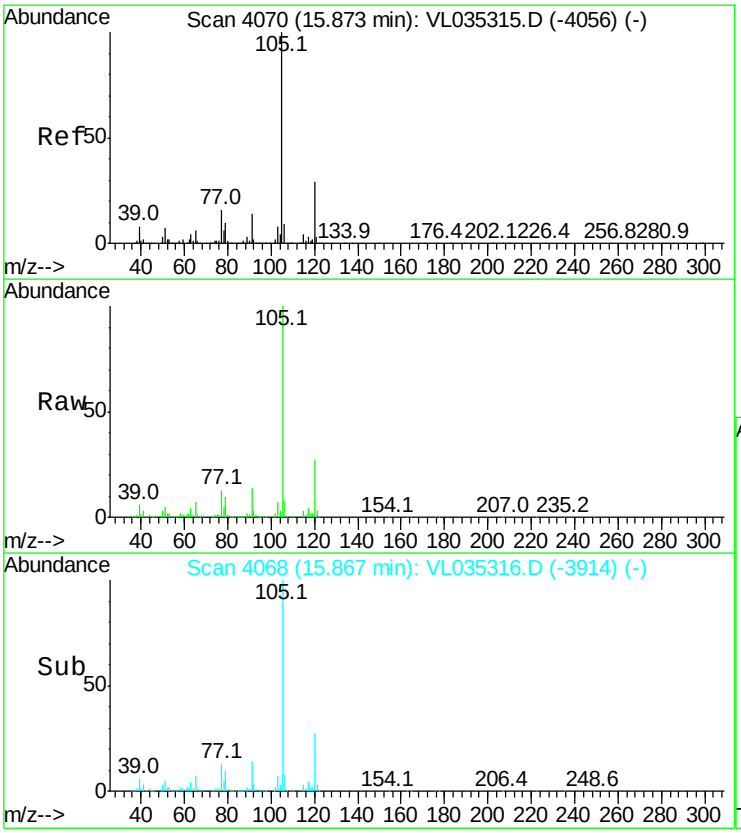
#71
2-Chlorotoluene
Concen: 2.420 ppbv
RT: 15.48 min Scan# 3948
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 896123

Ion	Ratio	Lower	Upper
91	100		
126	29.0	12.3	49.3

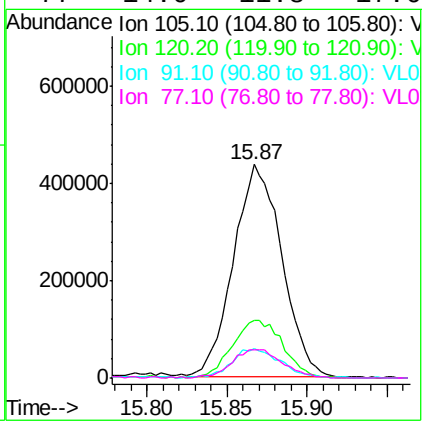


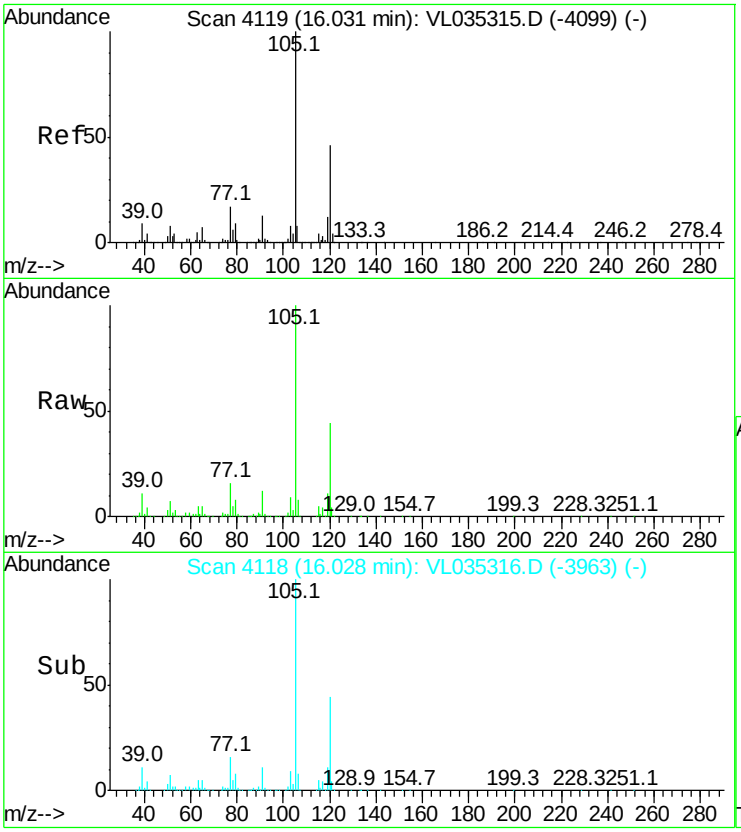


#72
4-Ethyltoluene
Concen: 2.420 ppbv
RT: 15.87 min Scan# 4068
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:105 Resp: 898406

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.6	35.4
91	13.8	11.3	16.9
77	14.0	11.8	17.6



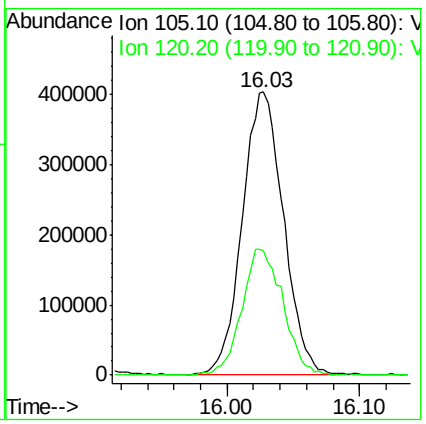


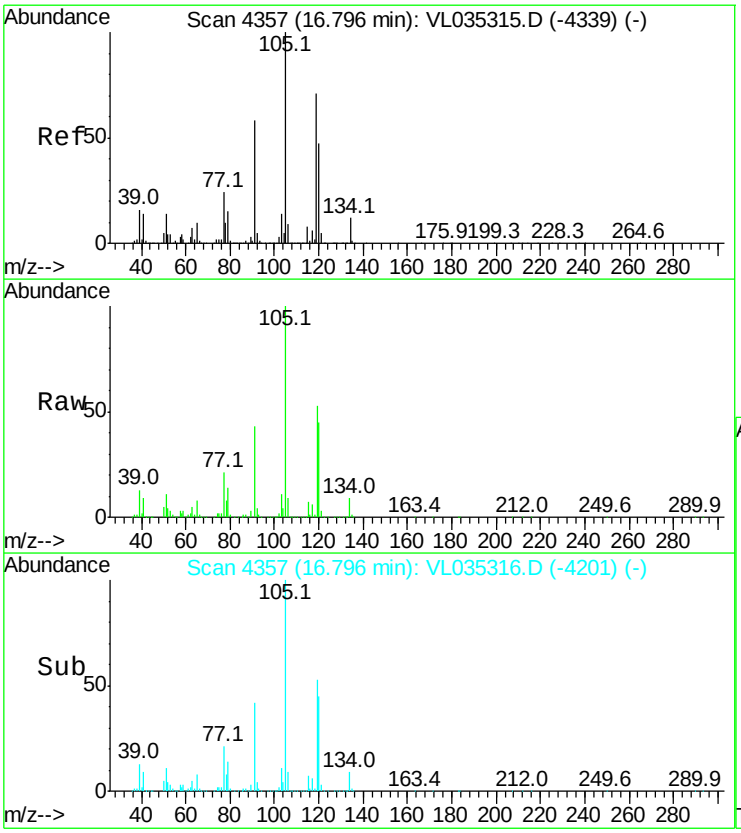
#73
1,3,5-Trimethylbenzene
Concen: 2.415 ppbv
RT: 16.03 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 874453

Ion	Ratio	Lower	Upper
105	100		
120	43.9	36.6	54.8

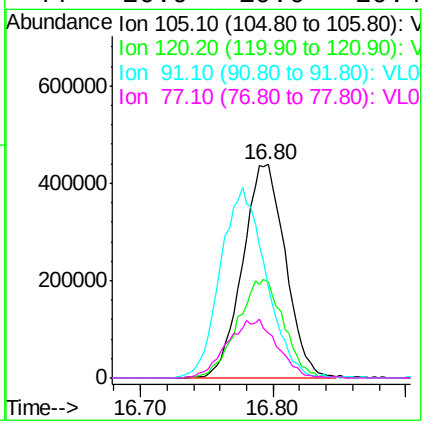


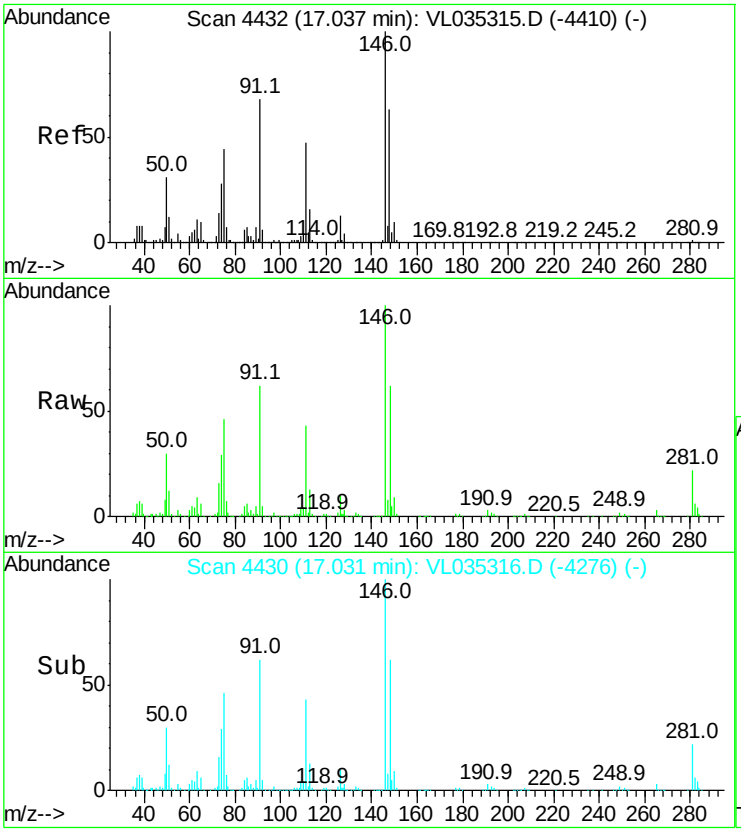


#74
1,2,4-Trimethylbenzene
Concen: 2.342 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:105 Resp: 987297

Ion	Ratio	Lower	Upper
105	100		
120	44.7	38.0	57.0
91	42.2	47.9	71.9#
77	20.9	19.6	29.4



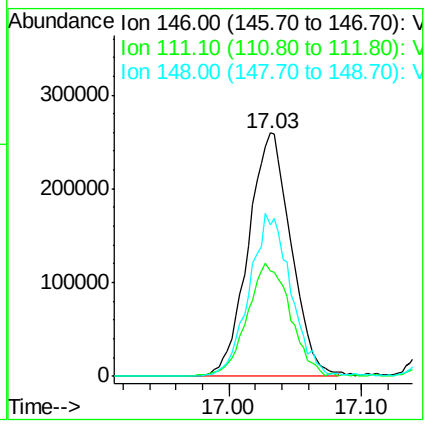


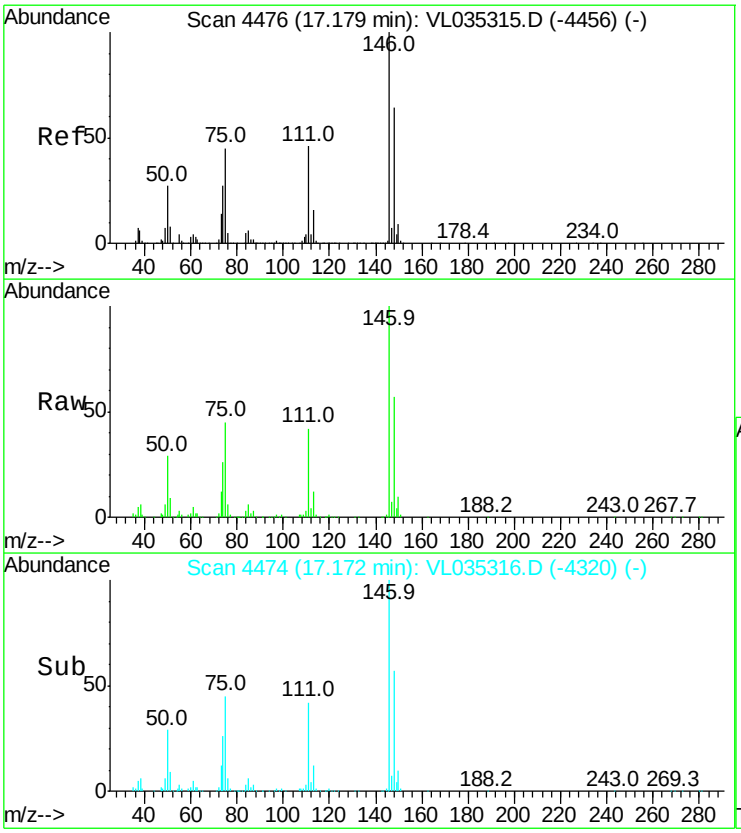
#75
1,3-Dichlorobenzene
Concen: 2.144 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 583463

Ion	Ratio	Lower	Upper
146	100		
111	46.9	24.2	72.6
148	65.3	32.4	97.0

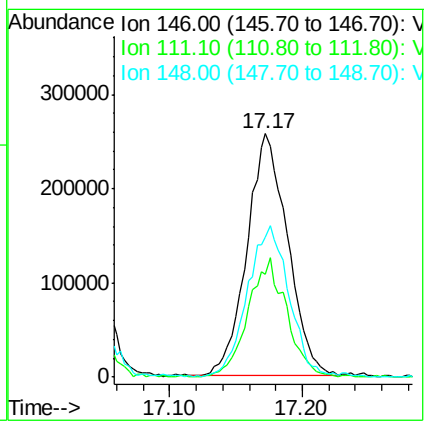


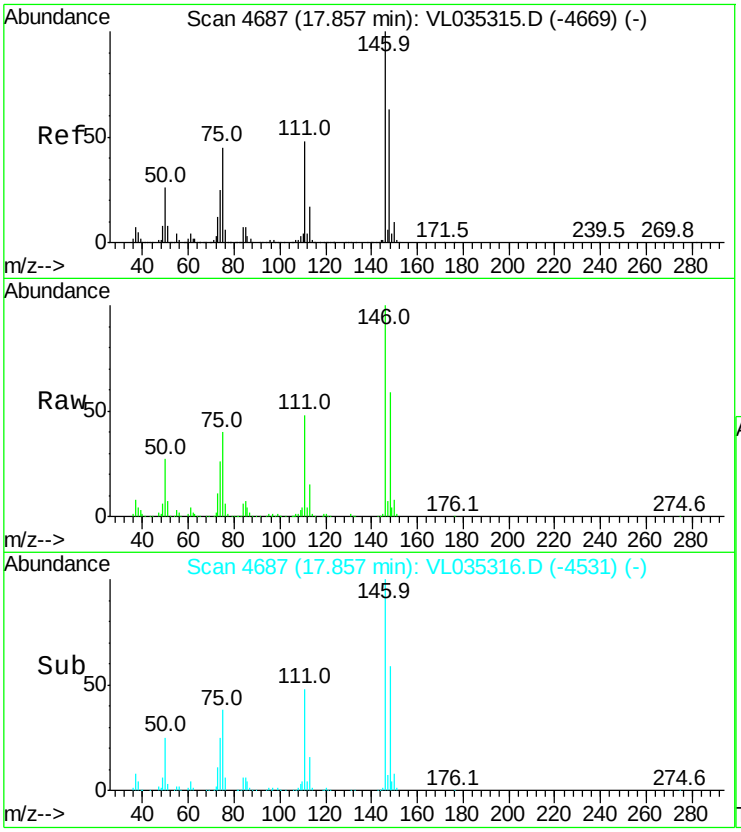


#76
1,4-Dichlorobenzene
Concen: 2.236 ppbv
RT: 17.17 min Scan# 4474
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:146 Resp: 550551

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.6	70.8
148	64.3	32.8	98.4



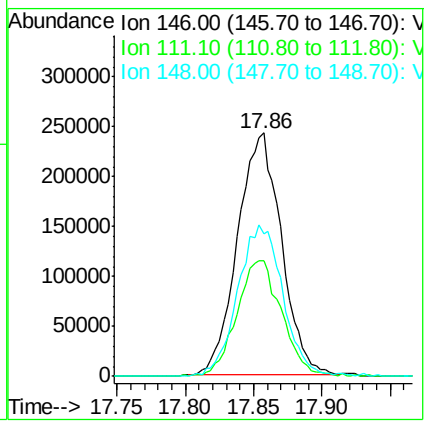


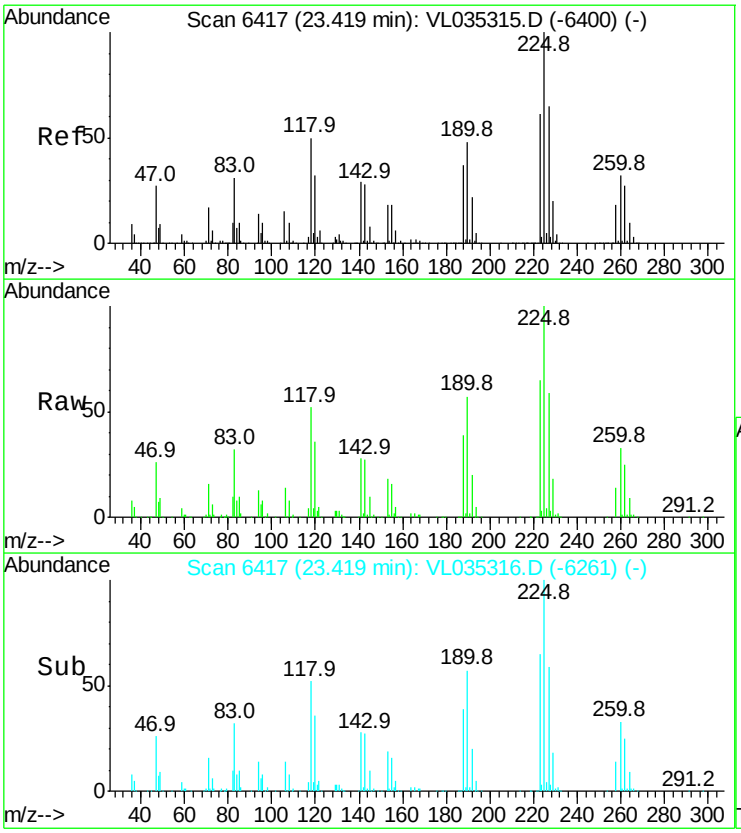
#77
1,2-Dichlorobenzene
Concen: 2.217 ppbv
RT: 17.86 min Scan# 4687
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 540541

Ion	Ratio	Lower	Upper
146	100		
111	49.4	24.6	73.6
148	64.9	32.3	96.8

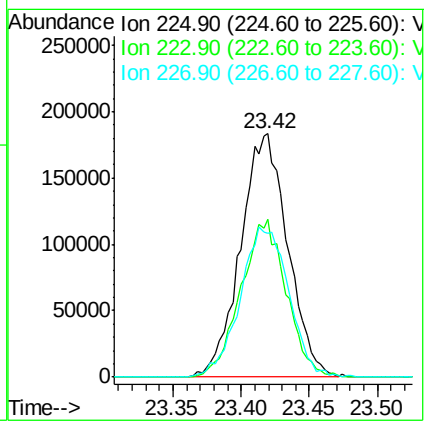


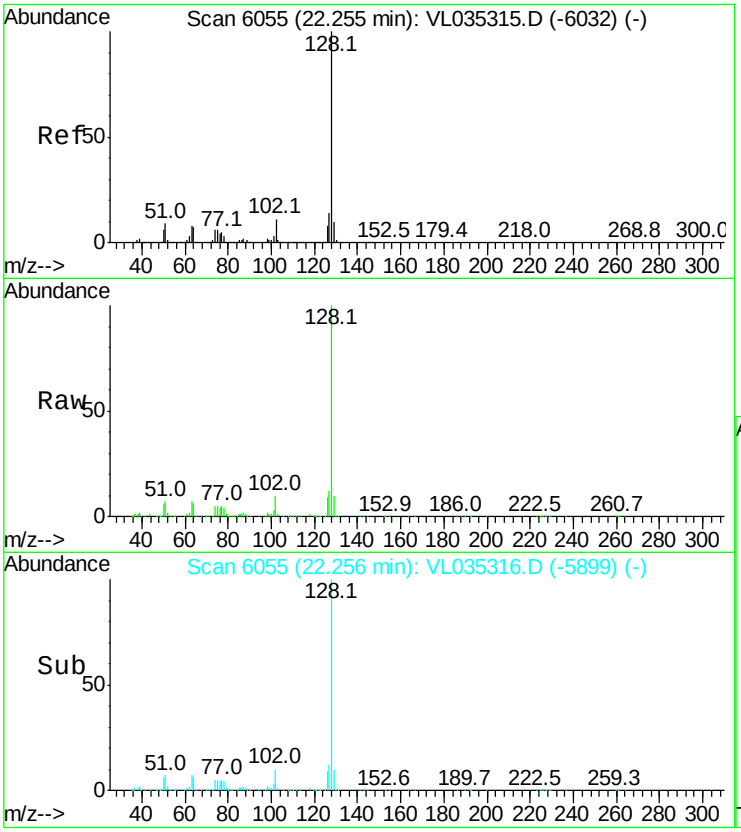


#78
Hexachloro-1,3-Butadiene
Concen: 2.207 ppbv
RT: 23.42 min Scan# 6417
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:225 Resp: 440302

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.2	75.4
227	63.5	52.7	79.1



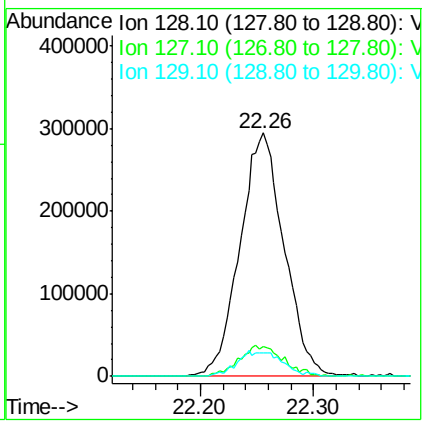


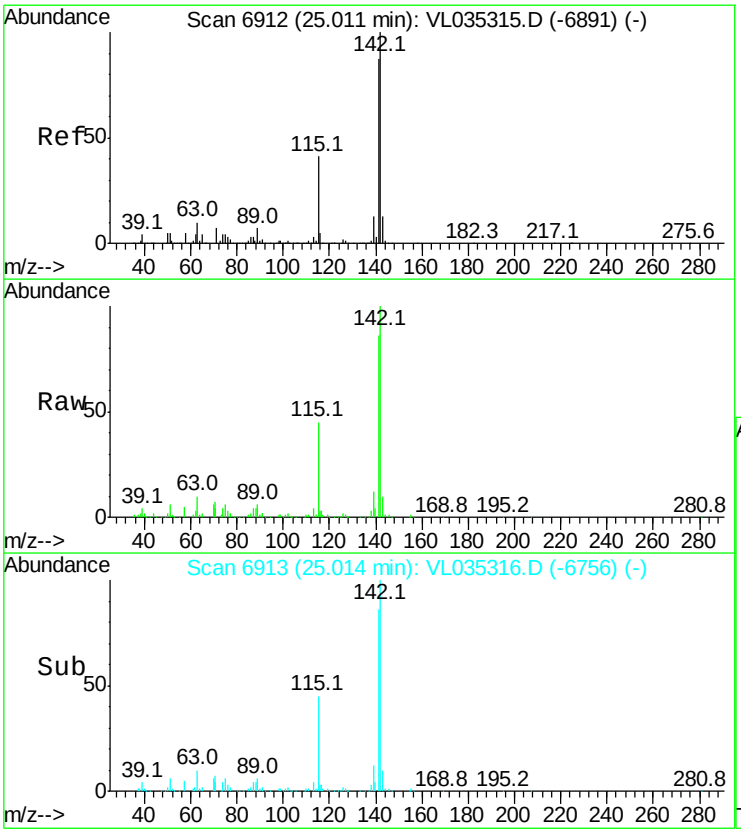
#79
Naphthalene
Concen: 2.369 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 793941

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.8	16.2
129	9.8	8.4	12.6

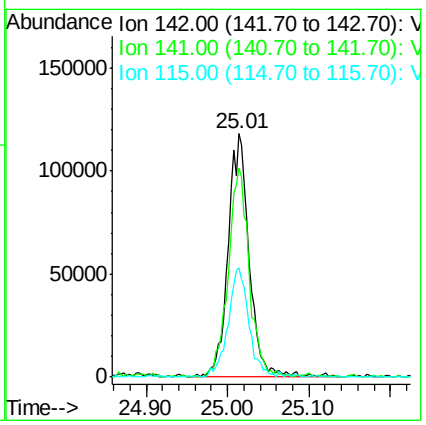


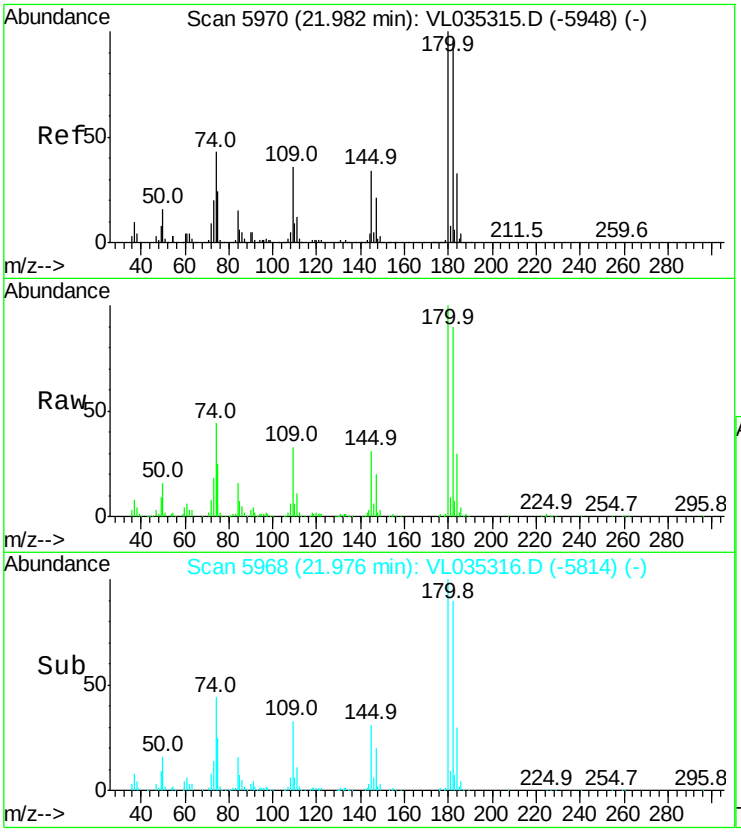


#80
Naphthalene,2-methyl-
Concen: 1.997 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.00 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Tgt Ion:142 Resp: 216653

Ion	Ratio	Lower	Upper
142	100		
141	85.7	68.3	102.5
115	45.5	35.0	52.4





#81
1,2,4-Trichlorobenzene
Concen: 1.104 ppbv
RT: 21.98 min Scan# 5968
Delta R.T. -0.01 min
Lab File: VL035316.D
Acq: 3 Aug 2020 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 225276

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.9	115.3#
184	0.0	25.0	37.6#