Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

Quantitation Report (Not Reviewed)

Data File : VL032951.D
Acq On : 8 Dec 2018 2:24
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Dec 08 04:44:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1478664	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3612441	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	4298371	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2589078	8.15	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	1887669	9.563	ppbv		99
3) Chlorodifluoromethane	3.01	51	1086809	9.705	ppbv		96
4) Chloromethane	3.17	50	611775	9.384	ppbv		97
5) Vinyl Chloride	3.29	62	615129	9.273	ppbv		97
6) Bromomethane	3.51	94	398157	9.596	ppbv		98
7) Chloroethane	3.60	64	228853	9.626	ppbv		97
8) Dichlorotetrafluoroethane	3.22	85	1504275	9.170	ppbv		98
9) Propene	3.04	41	478774	10.812	ppbv		98
10) Heptane	8.25	43	1854770	11.151	ppbv		99
11) Trichlorofluoromethane	4.00	101	1600583	8.606	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1384607	8.726	ppbv		99
13) Ethanol	3.65	45	112810	7.399	ppbv		97
14) Bromoethene	3.79	108	497531	9.444	ppbv		99
15) Acetone	3.90	43	1028225	8.101	ppbv		98
16) 1,3-Butadiene	3.36	39	501508	9.960	ppbv		96
17) tert-Butyl alcohol	4.36	59	351968	10.892	ppbv	#	83
18) 1,1-Dichloroethene	4.35	96	643490	10.355	ppbv		99
19) Isopropyl Alcohol	4.02	45	754080	9.461	ppbv		100
20) Methylene Chloride	4.41	84	551314	8.888	ppbv		95
21) Allyl Chloride	4.48	41	1025331	9.913	ppbv		97
22) trans-1,2-Dichloroethene	4.97	96	627753	8.140	ppbv		99
23) Vinyl Acetate	5.16	43	2210892	10.289	ppbv		99
24) 1,1-Dichloroethane	5.09	63	1634251	8.746	ppbv		99
25) Ethyl Acetate	5.77	43	3035681	10.125	ppbv		99
26) Hexane	5.78	57	1373924	9.926	ppbv		96
27) Carbon Disulfide	4.62	76	1746010	10.088	ppbv		100
28) Methyl tert-Butyl Ether	5.11	73	2069251	9.954	ppbv		99
29) Chloroform	5.85	83	2291640	9.279	ppbv		98
30) Cyclohexane	7.25	84	1204405	10.498	ppbv		99
31) cis-1,2-Dichloroethene	5.64	61	1454237	11.449	ppbv		98
32) 1,1,1-Trichloroethane	6.62	97	2058986	7.879	ppbv		99
34) 2-Butanone	5.33	43	1959167	12.451	ppbv		100
35) Carbon Tetrachloride	7.14	117	2485736	8.754	ppbv		98
36) Benzene	7.01	78	2862539	10.774	ppbv		98
37) 1,2-Dichloroethane	6.42	62	1607945	8.889	ppbv		98
38) Trichloroethene	7.97	130	1190895	10.770	ppbv		99
39) 1,2-Dichloropropane	7.74	63	1096187	10.878	ppbv		95
40) 1,4-Dioxane	7.95	88	394197	10.620	ppbv	#	95
41) Tetrahydrofuran	6.15	42	1058366	10.815	ppbv		98
42) Bromodichloromethane	7.92	83	2485061	9.915	ppbv		98
43) Methyl Methacrylate	8.14	69	1153064	11.712	ppbv		100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

Quantitation Report (Not Reviewed)

Data File : VL032951.D
Acq On : 8 Dec 2018 2:24
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Dec 08 04:44:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	4872598	10.804	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1544538	12.795	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1793867	12.141	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	1195334	10.777	ppbv		99
48) Dibromochloromethane	10.45	129	2185447	10.503	ppbv		100
49) Bromoform	13.21	173	1814978	10.606	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2774105	11.025	ppbv		100
51) 2-Hexanone	10.27	43	2082892	12.206	ppbv	#	98
52) Tetrachloroethene	11.38	164	1085582	11.232	ppbv		97
53) Toluene	9.95	91	3369856	11.958	ppbv		99
54) 1,2-Dibromoethane	10.77	107	1861833	10.745	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.28	131	1519021	7.927	ppbv		99
57) Chlorobenzene	12.31	112	2500126	8.053	ppbv		99
58) Ethyl Benzene	12.87	91	4504854	9.824	ppbv		98
59) m/p-Xylene	13.16	91	3526801	8.484	ppbv	#	100
60) o-Xylene	13.85	91	3854463	9.181	ppbv		99
61) Styrene	13.69	104	2804894	10.044	ppbv		98
62) Isopropylbenzene	14.83	105	5631040	9.614	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2643002	8.108	ppbv		99
64) n-propylbenzene	15.73	120	1333689	8.766	ppbv		97
65) tert-Butylbenzene	16.91	119	4858212	8.947	ppbv		99
66) Benzyl Chloride	17.16	91	2806149	9.324	ppbv		99
67) sec-Butylbenzene	17.46	105	6271349	7.833	ppbv		99
69) p-Isopropyltoluene	17.82	119	5241147	8.078	ppbv		99
70) n-Butylbenzene	18.72	91	5388213	9.027	ppbv		100
71) 2-Chlorotoluene	15.62	91	3871586	8.888	ppbv		100
72) 4-Ethyltoluene	16.01	105	4296371	9.167	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	4052852	8.857	ppbv		100
74) 1,2,4-Trimethylbenzene	16.93	105	4354388	8.428	ppbv		93
75) 1,3-Dichlorobenzene	17.17	146	2474997	8.135	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	2258251	7.954	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	2229567	7.847	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1457644	9.329	ppbv		99
79) Naphthalene	22.42	128	3219979	9.652	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	928649	13.029	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1586555	8.967	ppbv		99

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

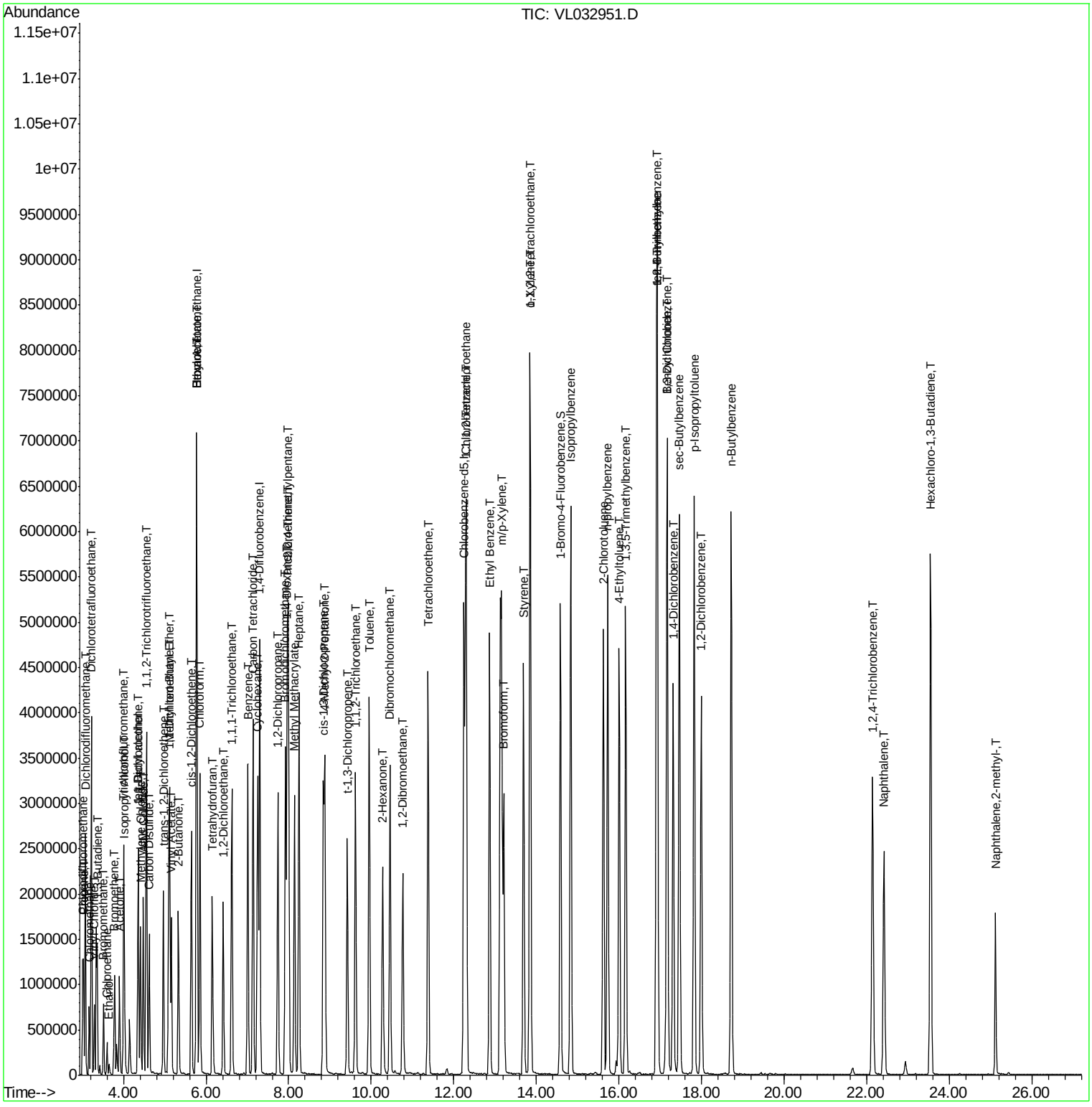
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

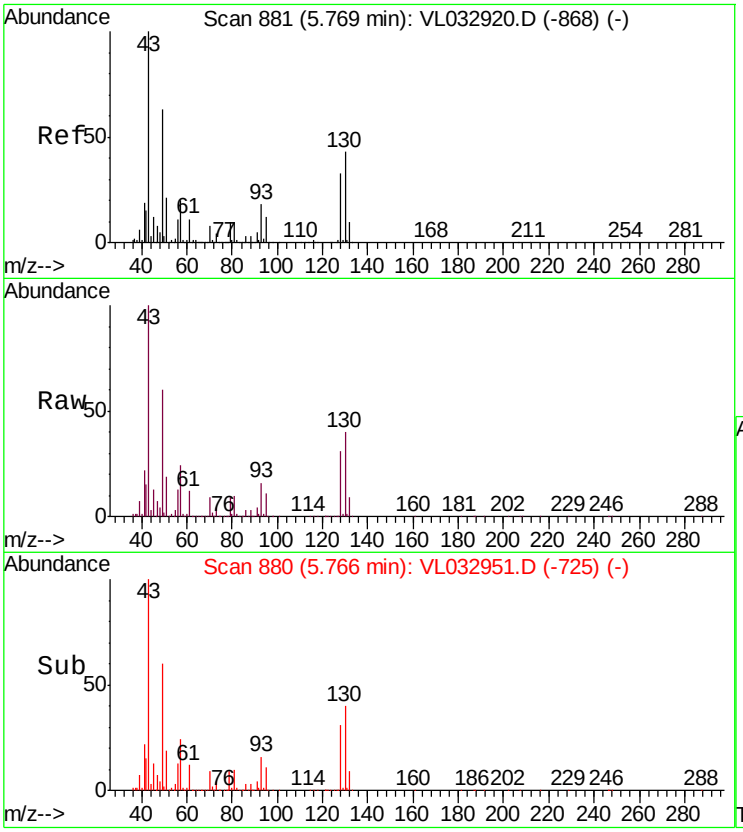
Quantitation Report (Not Reviewed)

Data File : VL032951.D
Acq On : 8 Dec 2018 2:24
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Dec 08 04:44:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration



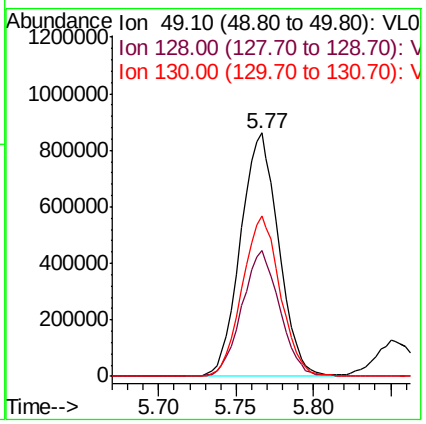


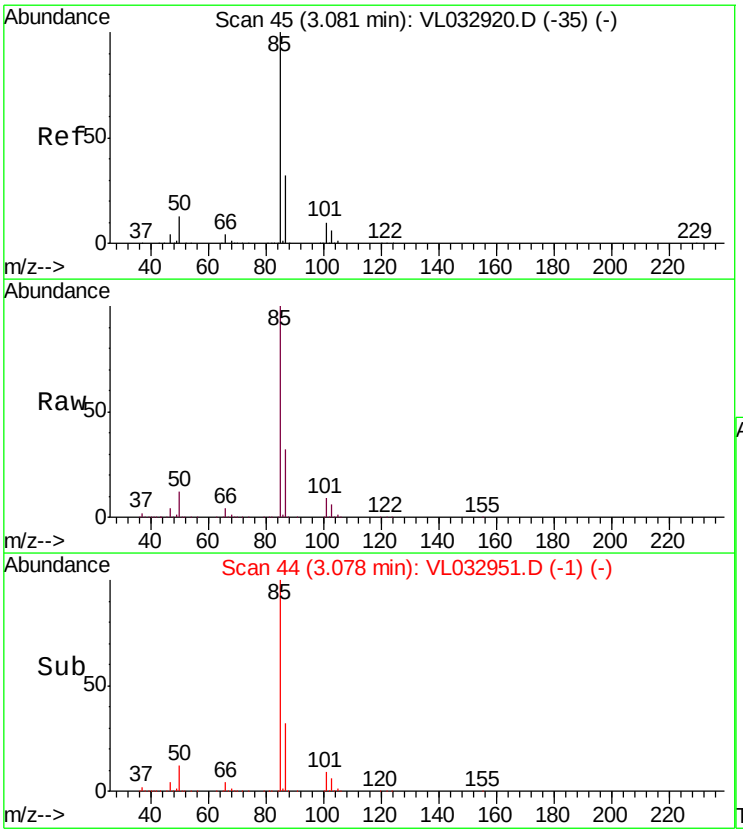
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 1478664

Ion	Ratio	Lower	Upper
49	100		
128	51.4	26.3	78.8
130	65.6	33.9	101.7

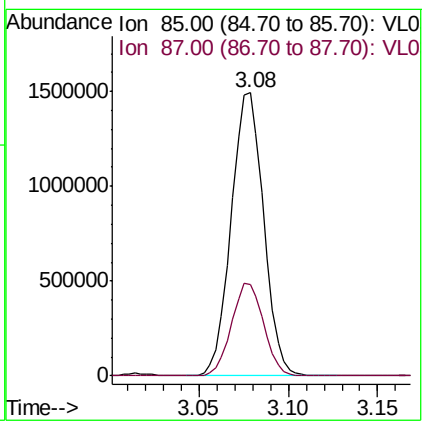


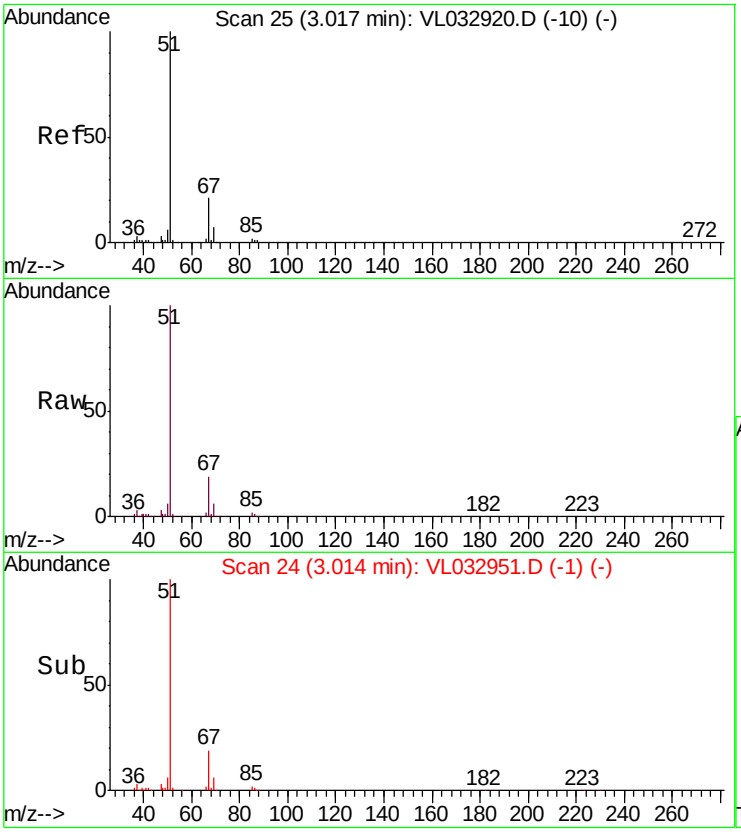


#2
Dichlorodifluoromethane
Concen: 9.563 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 85 Resp: 1887669

Ion	Ratio	Lower	Upper
85	100		
87	32.4	25.7	38.5



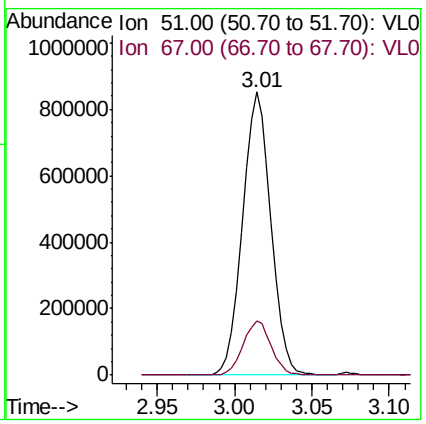


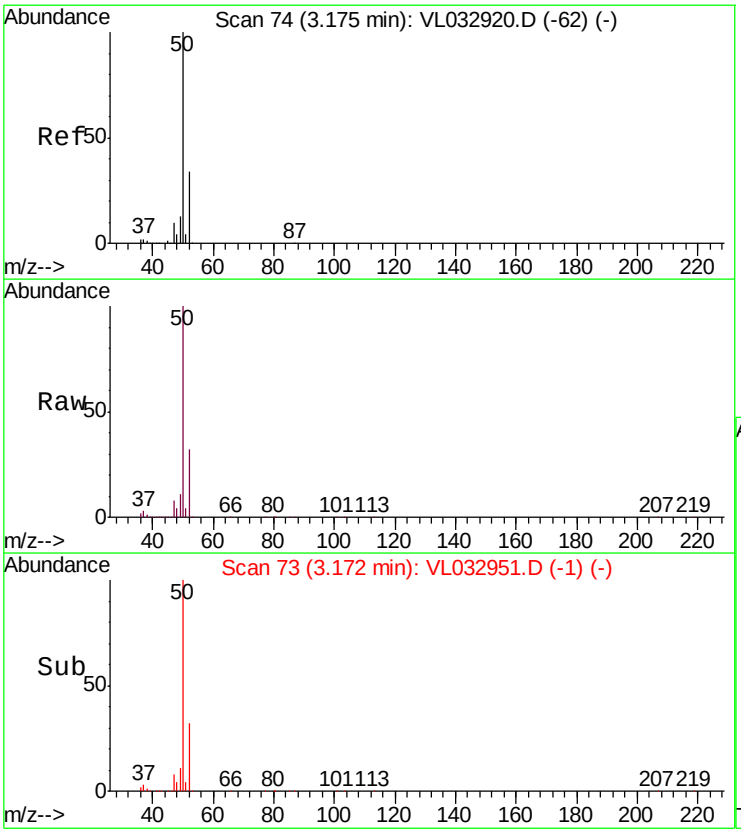
#3
Chlorodifluoromethane
Concen: 9.705 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 51 Resp: 1086809

Ion	Ratio	Lower	Upper
51	100		
67	19.2	16.8	25.2

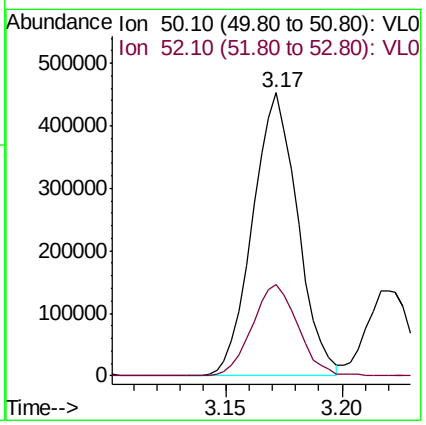


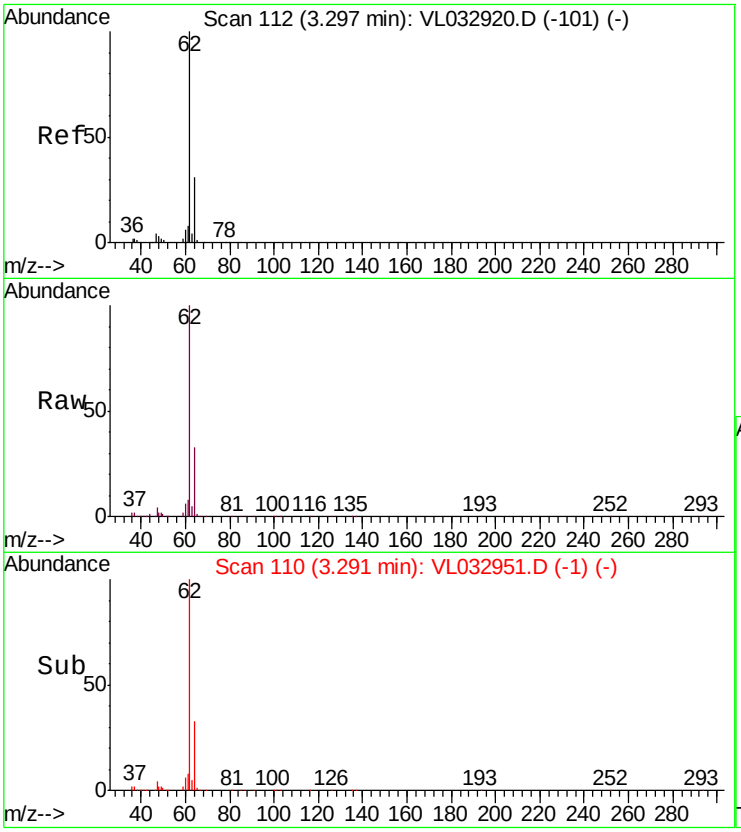


#4
Chloromethane
Concen: 9.384 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 50 Resp: 611775

Ion	Ratio	Lower	Upper
50	100		
52	32.4	27.3	40.9



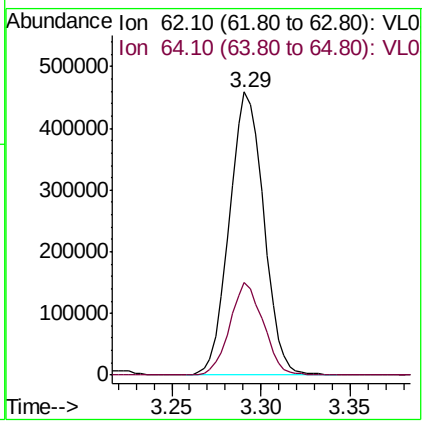


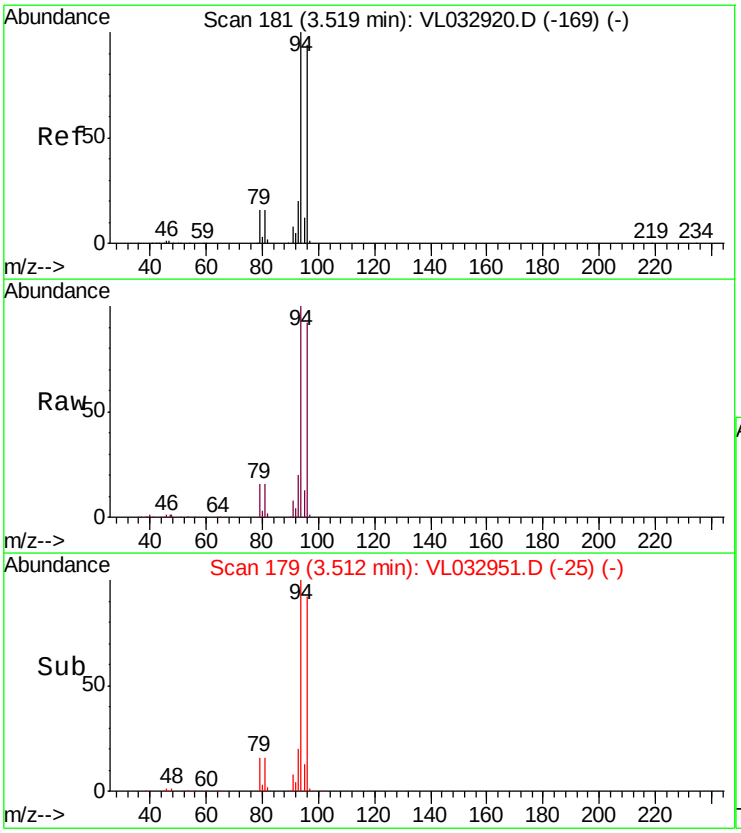
#5
Vinyl Chloride
Concen: 9.273 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 615129

Ion	Ratio	Lower	Upper
62	100		
64	32.7	24.8	37.2

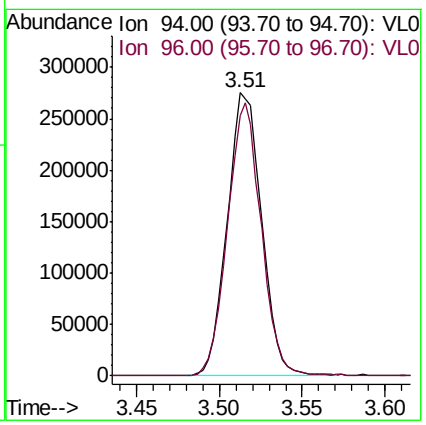


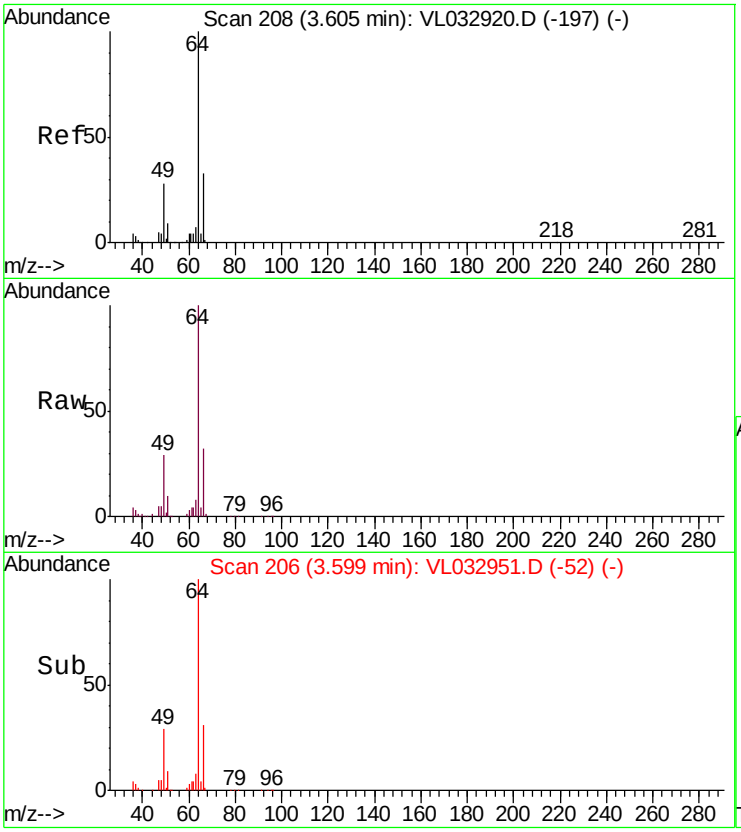


#6
Bromomethane
Concen: 9.596 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 94 Resp: 398157

Ion	Ratio	Lower	Upper
94	100		
96	92.1	75.5	113.3



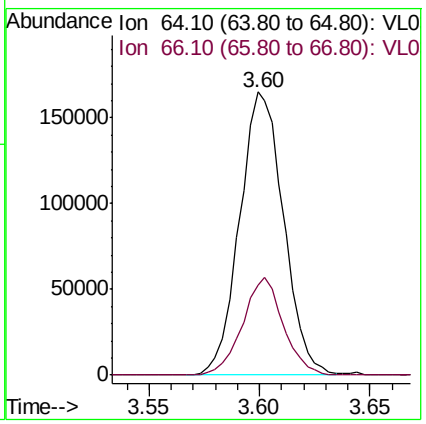


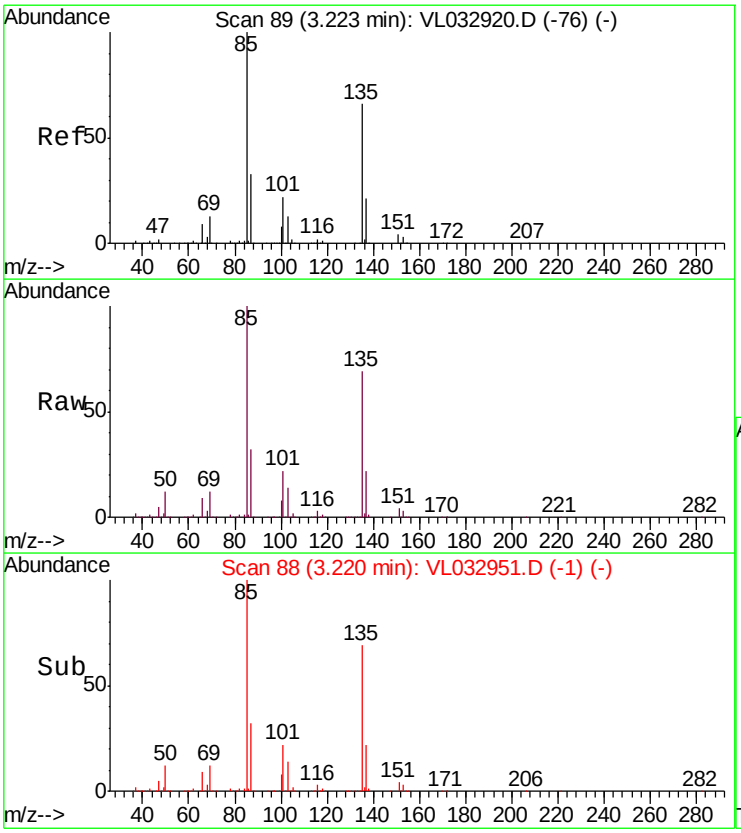
#7
Chloroethane
Concen: 9.626 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 228853

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.6	40.0

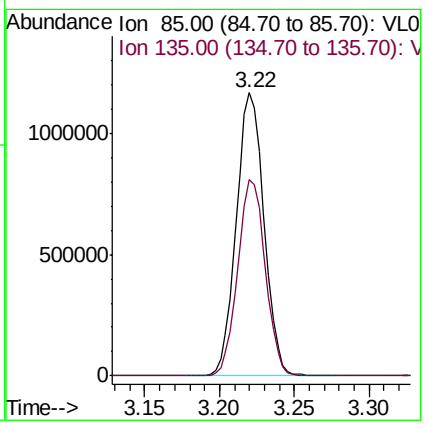


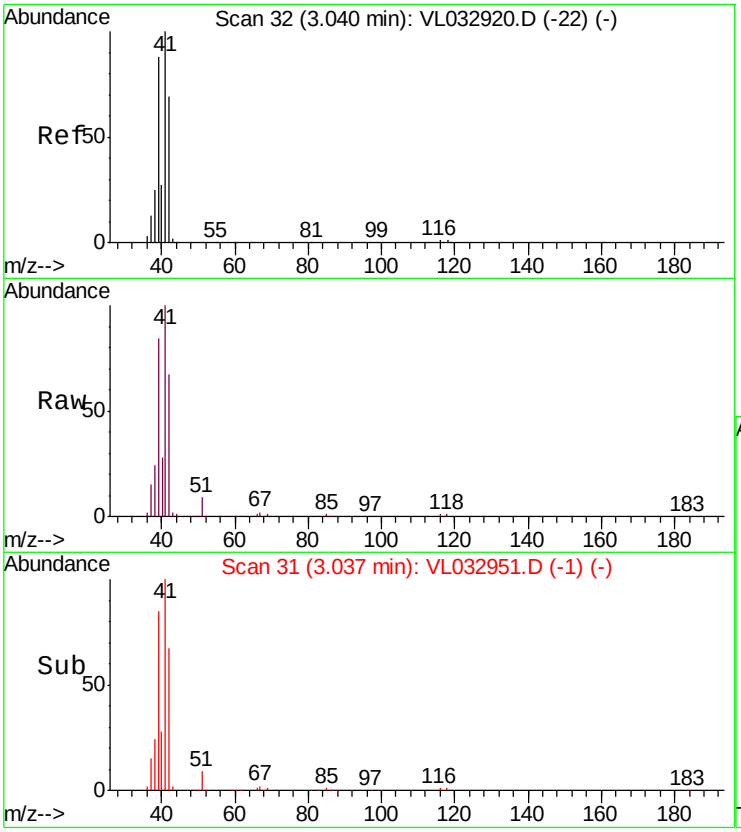


#8
Dichlorotetrafluoroethane
Concen: 9.170 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 85 Resp: 1504275

Ion	Ratio	Lower	Upper
85	100		
135	69.5	54.5	81.7



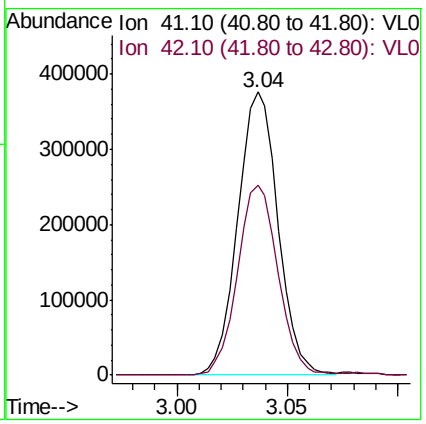


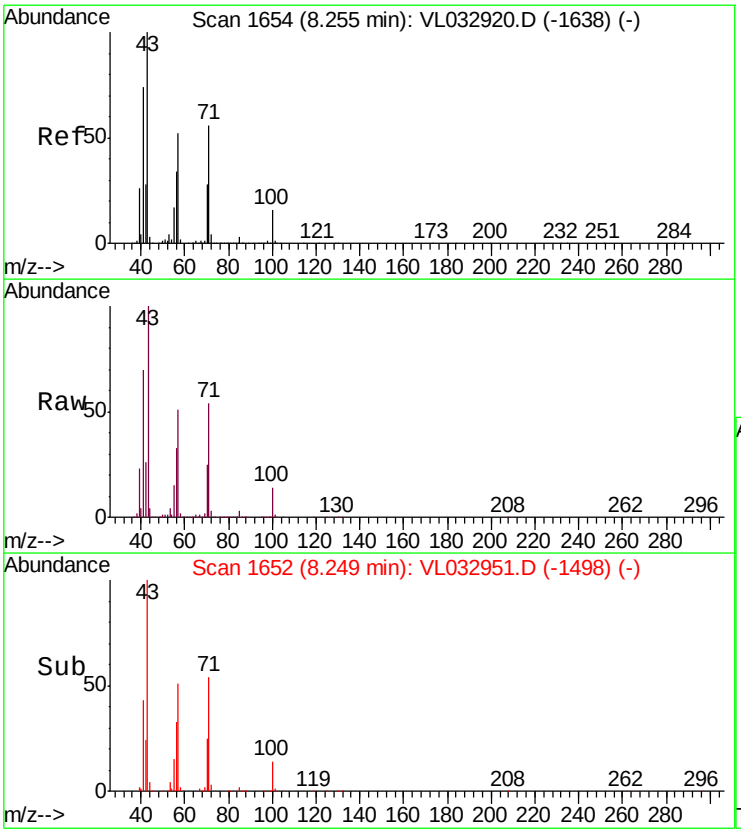
#9
Propene
Concen: 10.812 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 478774

Ion	Ratio	Lower	Upper
41	100		
42	68.5	56.2	84.2

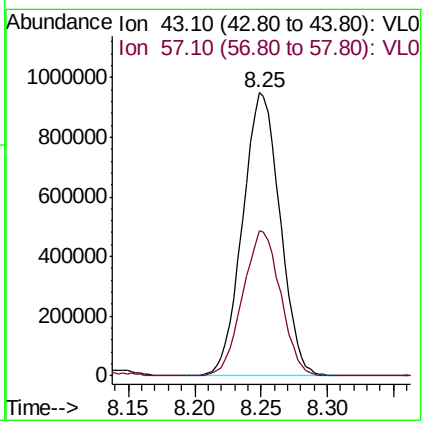


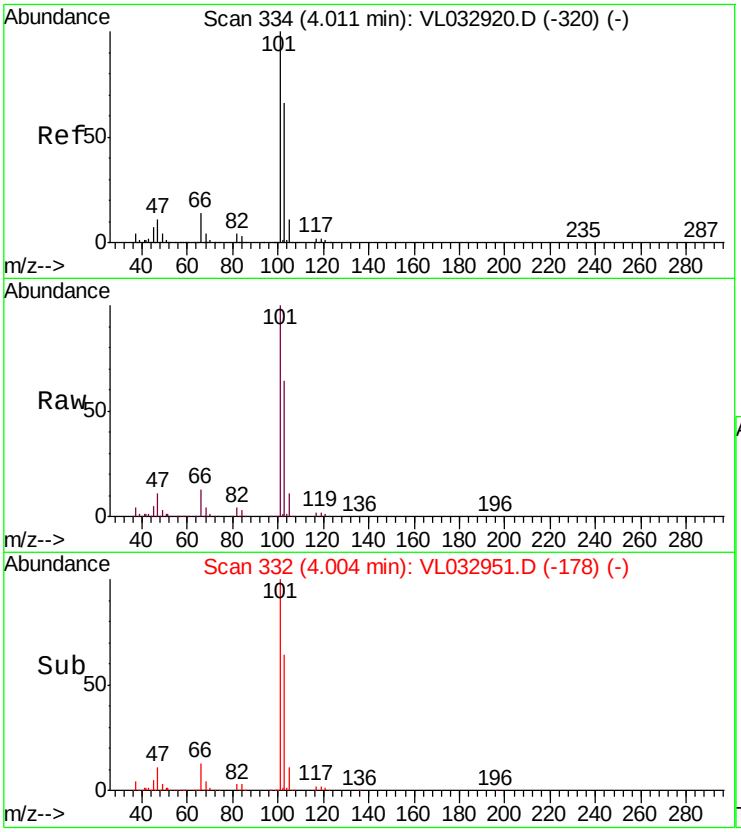


#10
Heptane
Concen: 11.151 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 43 Resp: 1854770

Ion	Ratio	Lower	Upper
43	100		
57	51.8	41.8	62.6



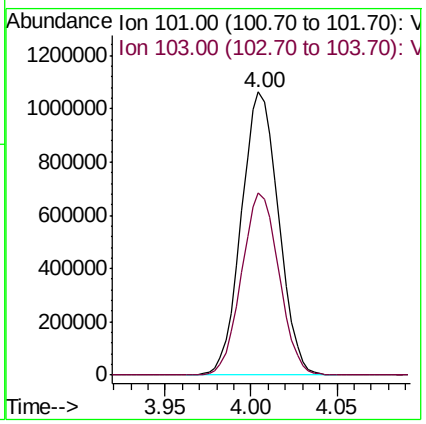


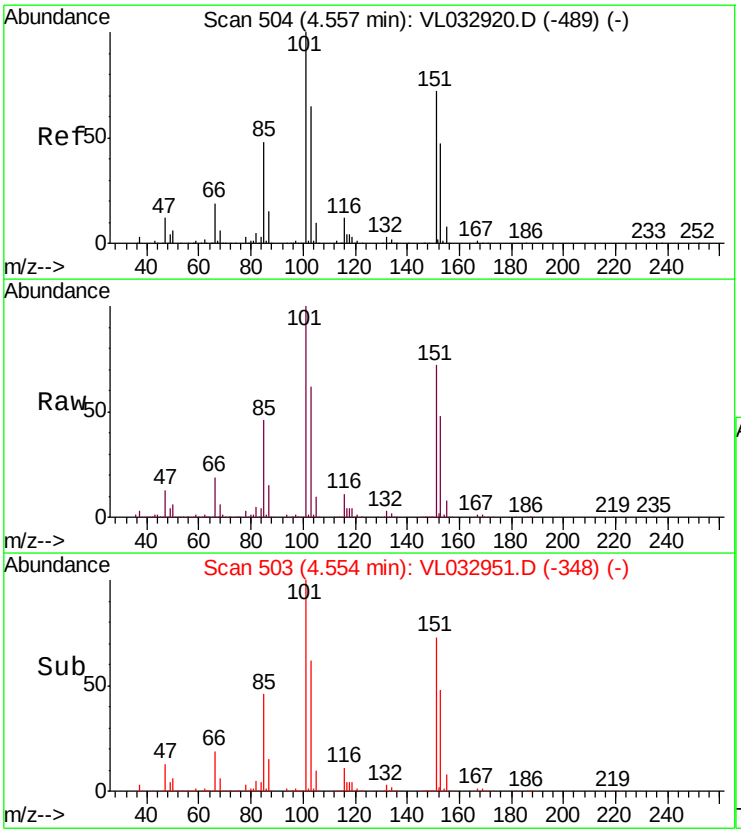
#11
Trichlorofluoromethane
Concen: 8.606 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1600583

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.7	79.1

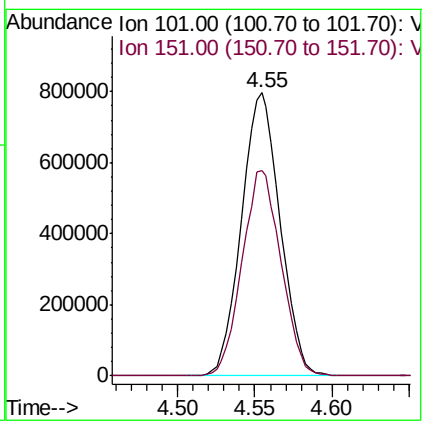


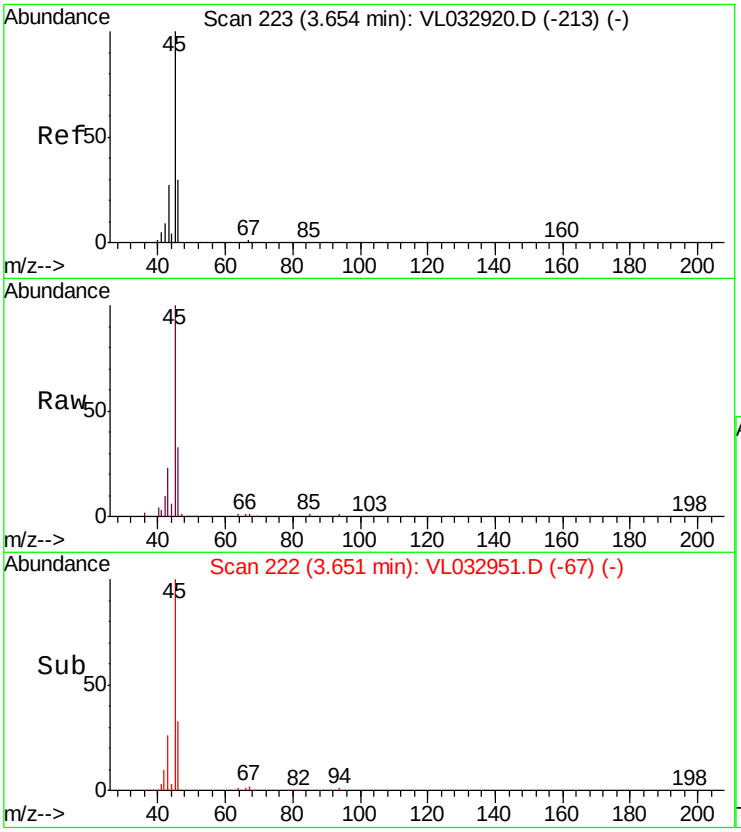


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.726 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:101 Resp: 1384607

Ion	Ratio	Lower	Upper
101	100		
151	73.5	59.3	88.9



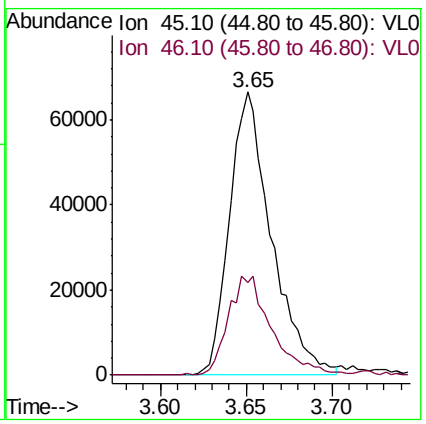


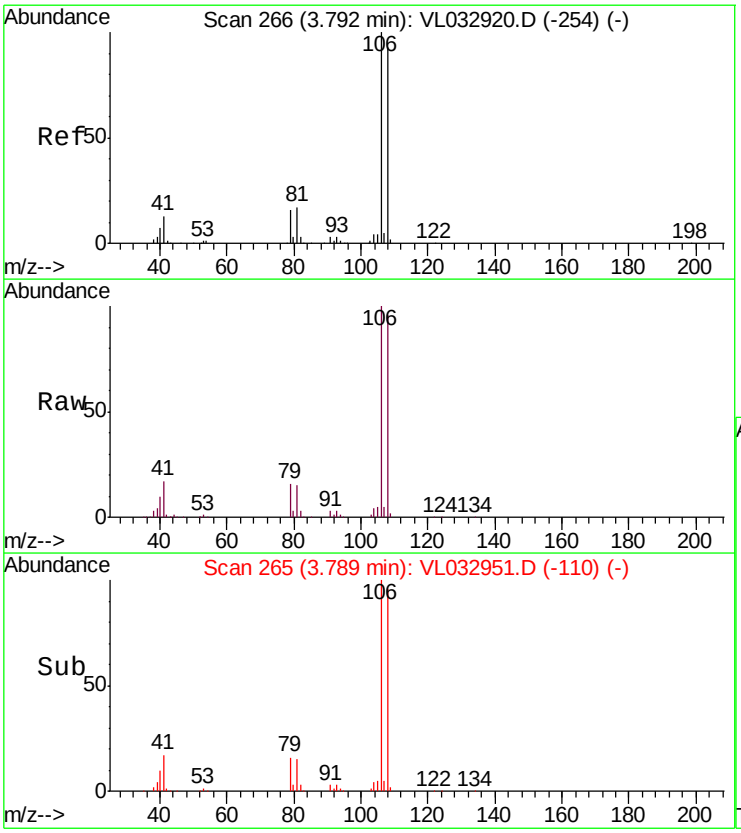
#13
Ethanol
Concen: 7.399 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 112810

Ion	Ratio	Lower	Upper
45	100		
46	36.1	13.8	55.4

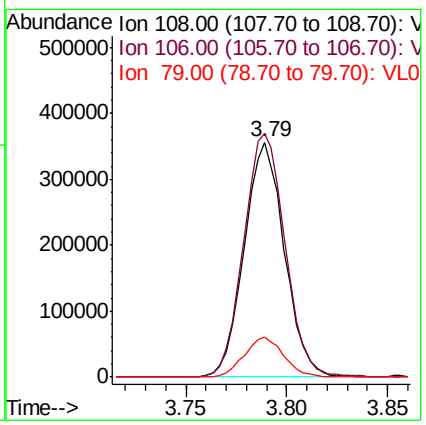


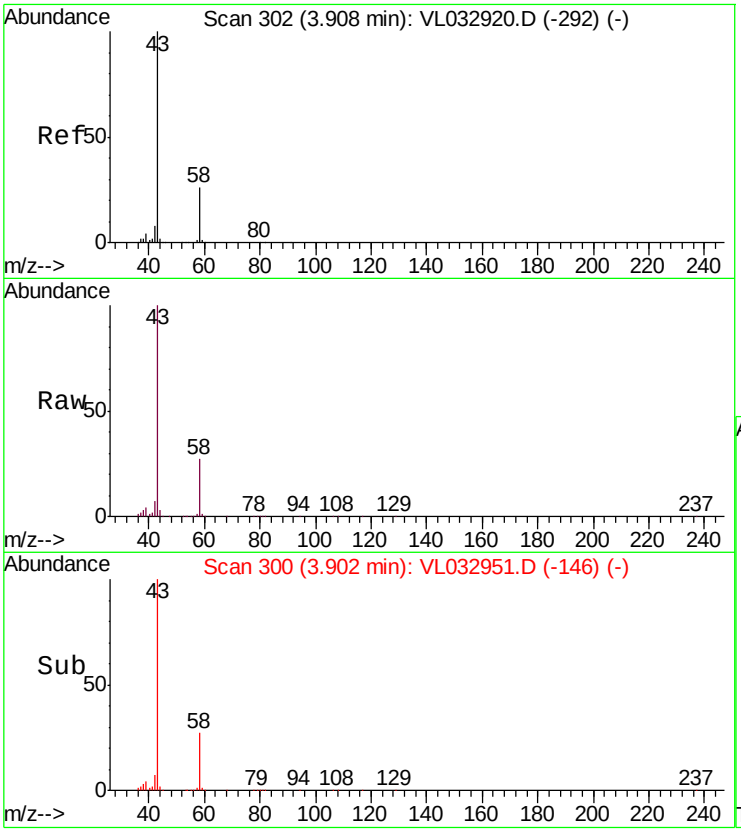


#14
Bromoethene
Concen: 9.444 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:108 Resp: 497531

Ion	Ratio	Lower	Upper
108	100		
106	107.2	85.4	128.2
79	17.1	14.6	21.8



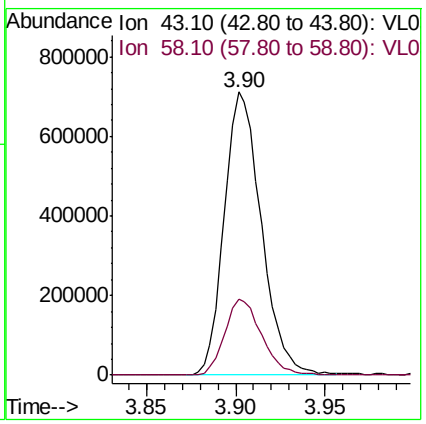


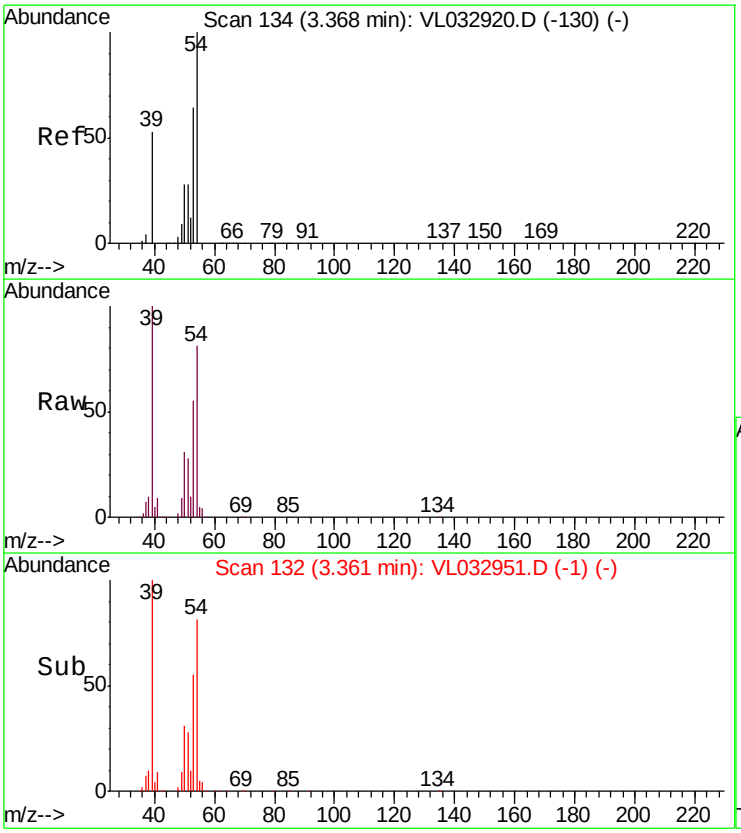
#15
Acetone
Concen: 8.101 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1028225

Ion	Ratio	Lower	Upper
43	100		
58	26.8	20.6	30.8

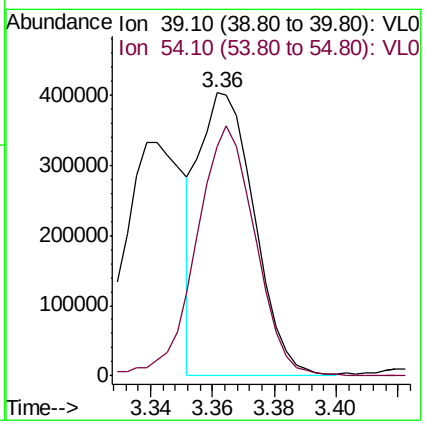


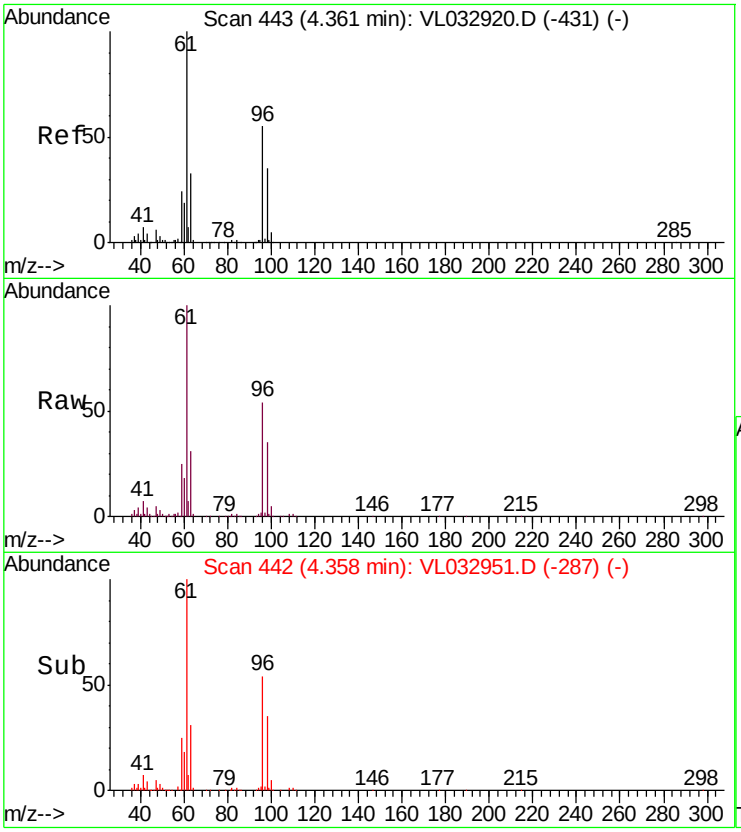


#16
1,3-Butadiene
Concen: 9.960 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 39 Resp: 501508

Ion	Ratio	Lower	Upper
39	100		
54	94.7	72.7	109.1



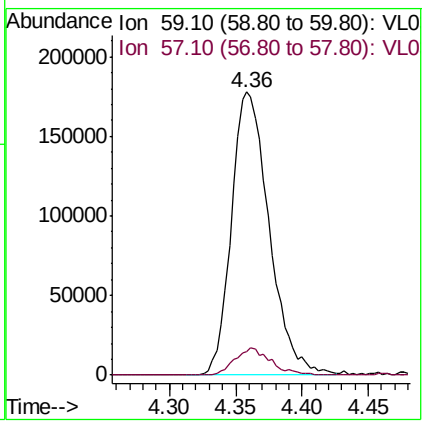


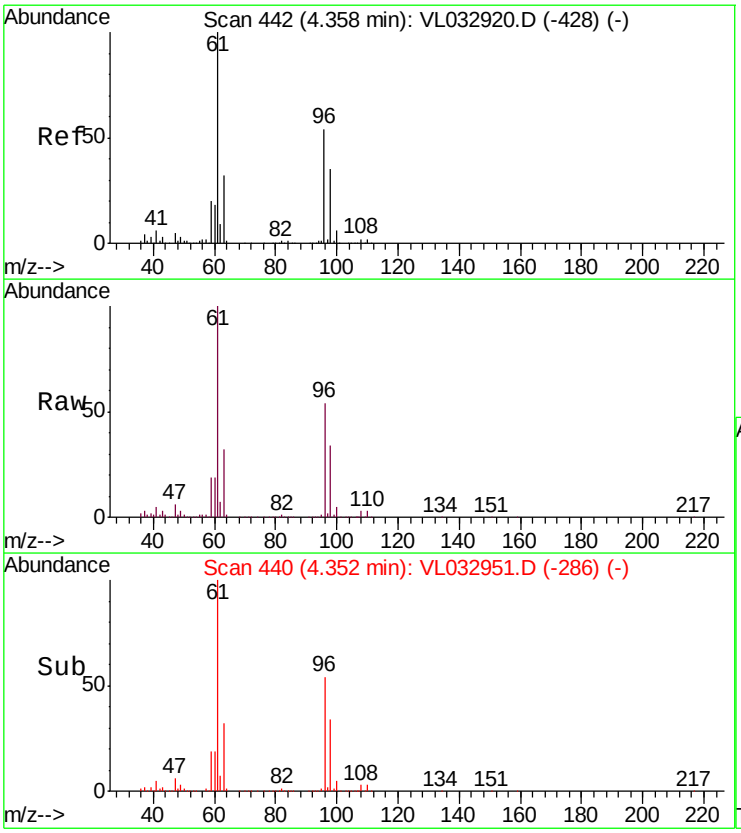
#17
tert-Butyl alcohol
Concen: 10.892 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 351968

Ion	Ratio	Lower	Upper
59	100		
57	9.2	0.6	1.0#

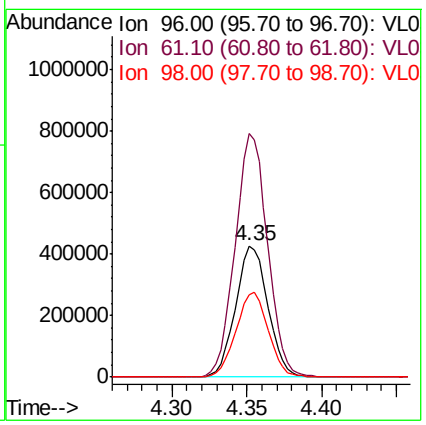


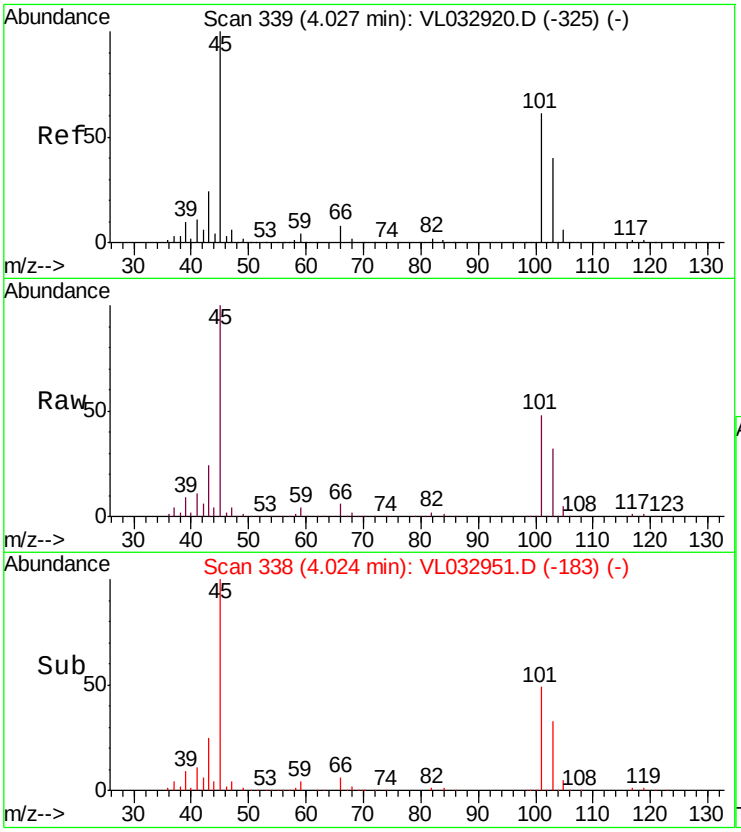


#18
1,1-Dichloroethene
Concen: 10.355 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 96 Resp: 643490

Ion	Ratio	Lower	Upper
96	100		
61	185.6	147.0	220.4
98	62.6	50.7	76.1



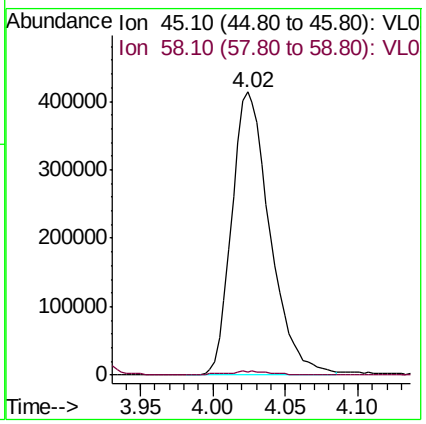


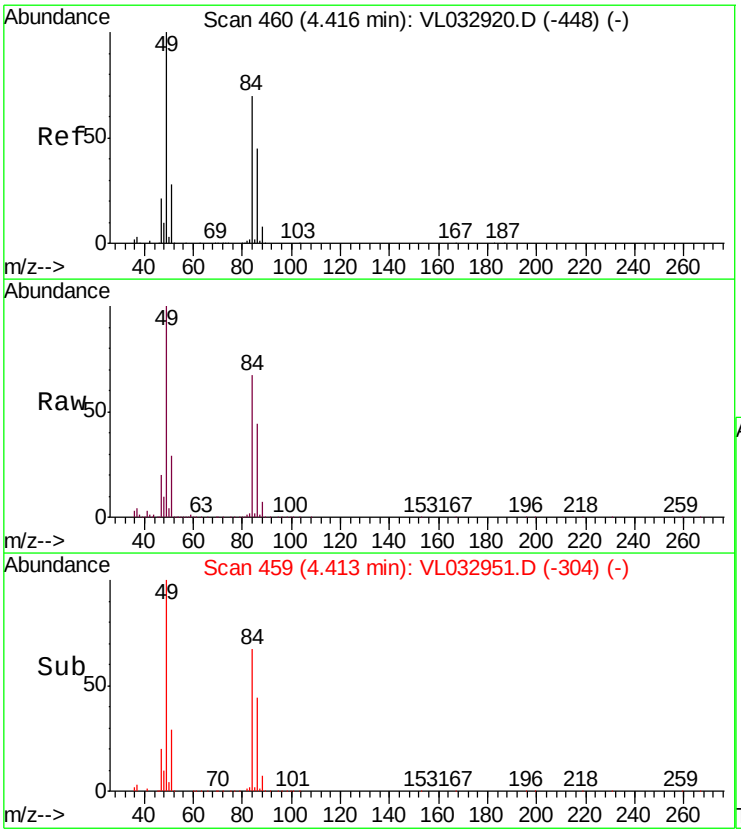
#19
Isopropyl Alcohol
Concen: 9.461 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 754080

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.4	2.2

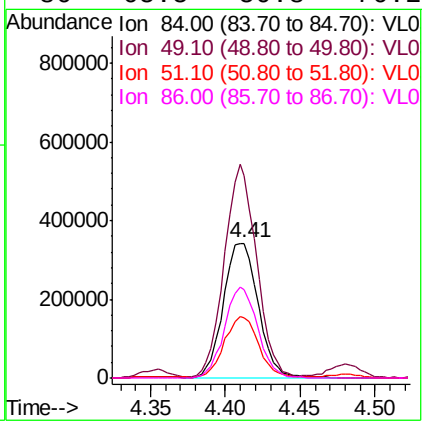


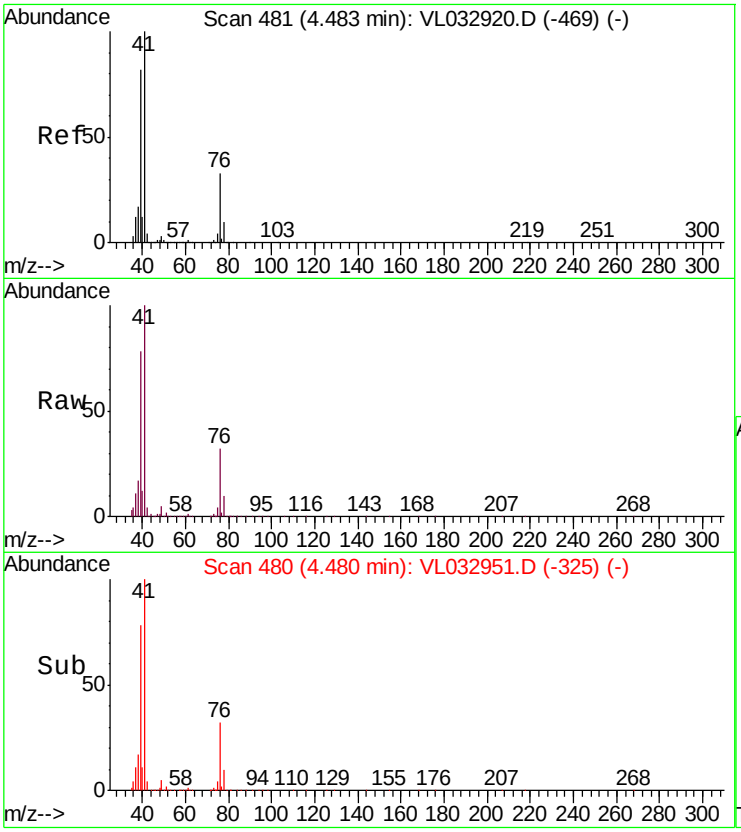


#20
Methylene Chloride
Concen: 8.888 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 84 Resp: 551314

Ion	Ratio	Lower	Upper
84	100		
49	149.3	113.8	170.8
51	43.7	31.8	47.8
86	65.5	50.8	76.2



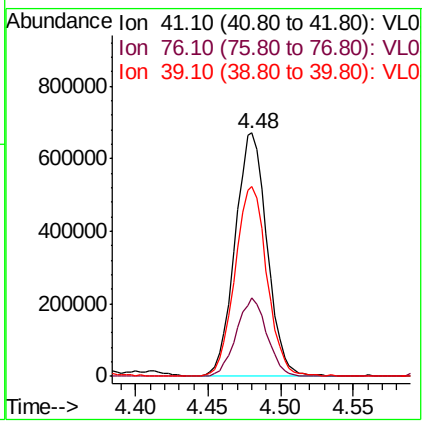


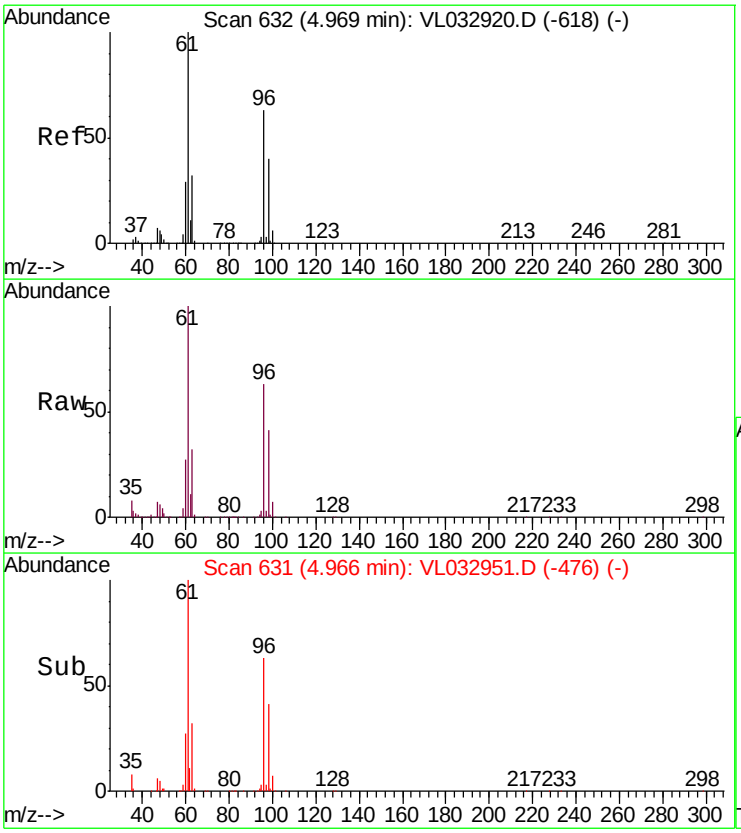
#21
Allyl Chloride
Concen: 9.913 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 1025331

Ion	Ratio	Lower	Upper
41	100		
76	31.0	25.2	37.8
39	78.3	65.2	97.8

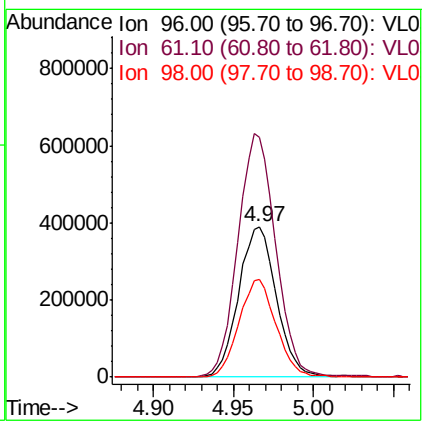


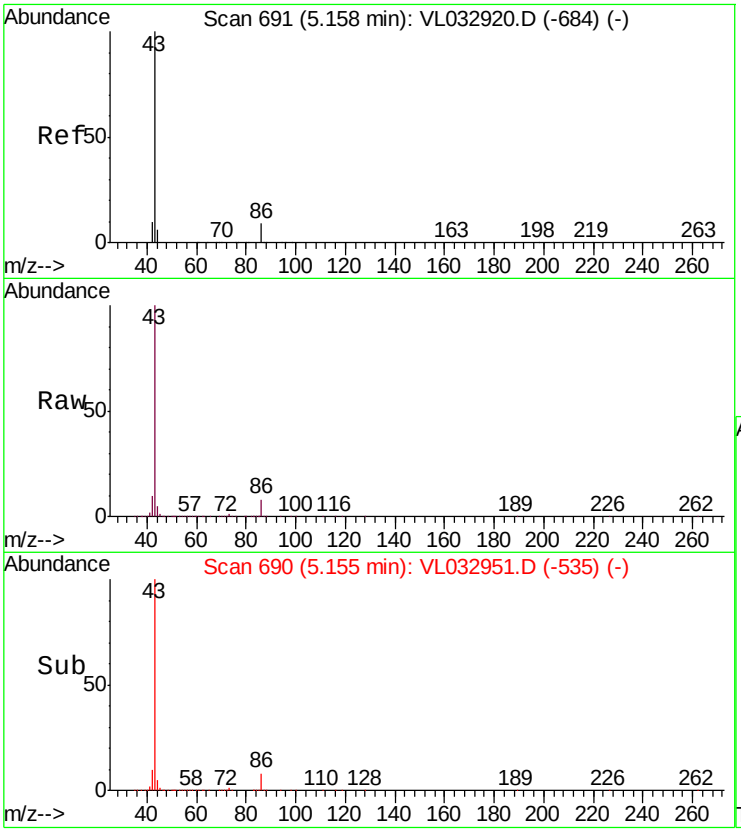


#22
trans-1,2-Dichloroethene
Concen: 8.140 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 96 Resp: 627753

Ion	Ratio	Lower	Upper
96	100		
61	159.6	127.1	190.7
98	64.8	51.3	76.9



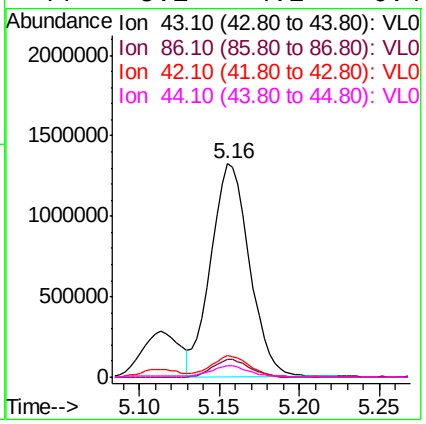


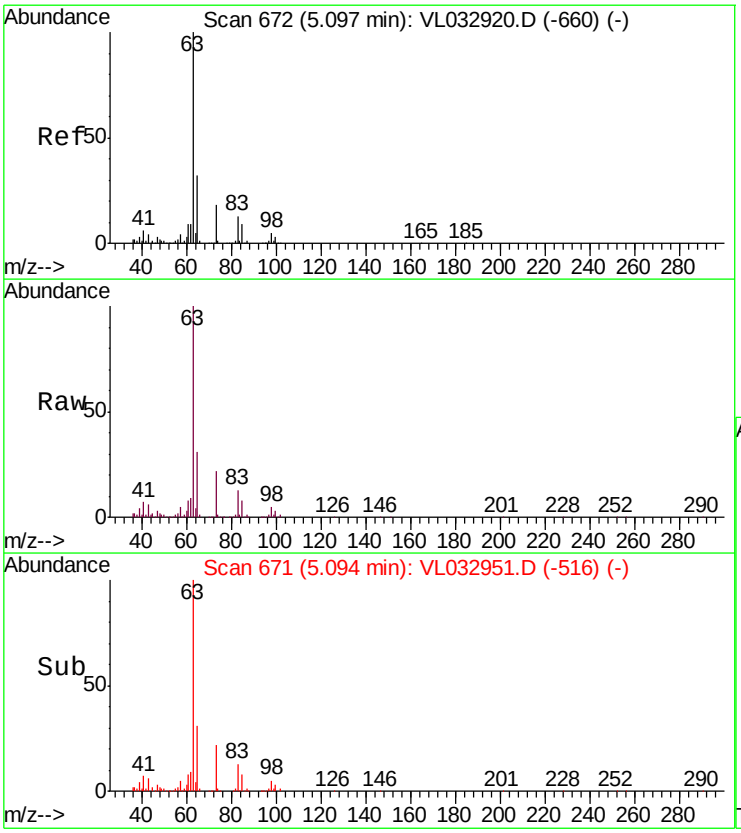
#23
Vinyl Acetate
Concen: 10.289 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2210892

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	9.8
42	10.0	8.3	12.5
44	5.1	4.2	6.4

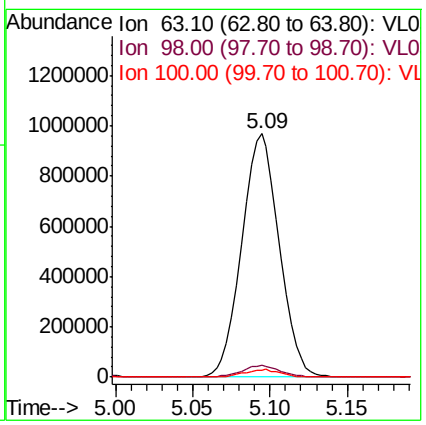


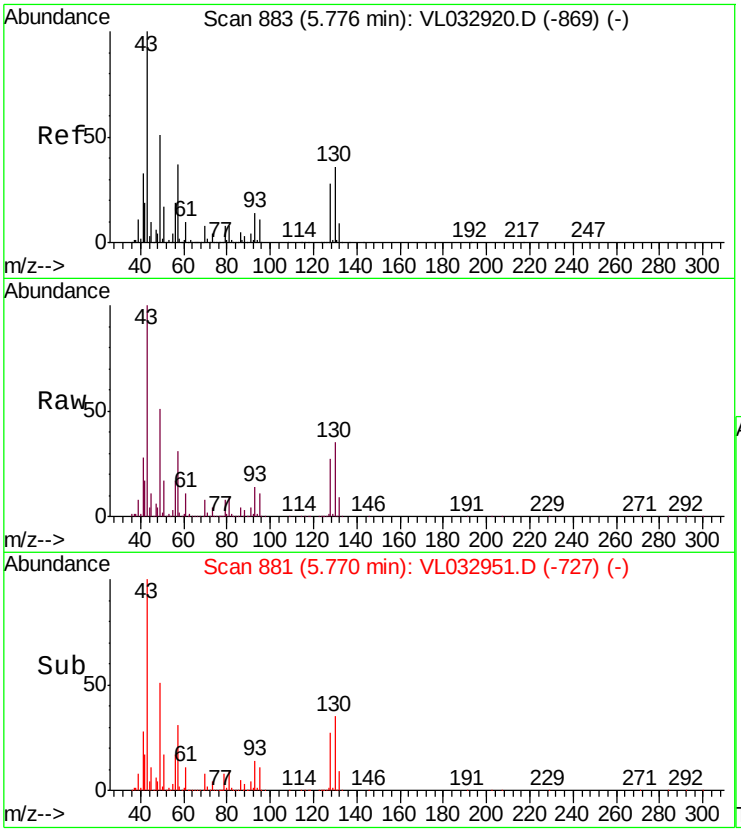


#24
1,1-Dichloroethane
Concen: 8.746 ppbv
RT: 5.09 min Scan# 671
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 63 Resp: 1634251

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.5	7.5
100	2.9	1.4	4.2



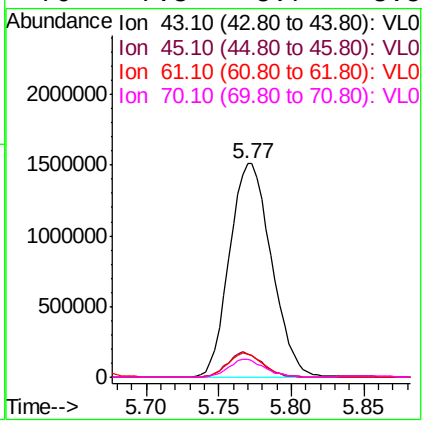


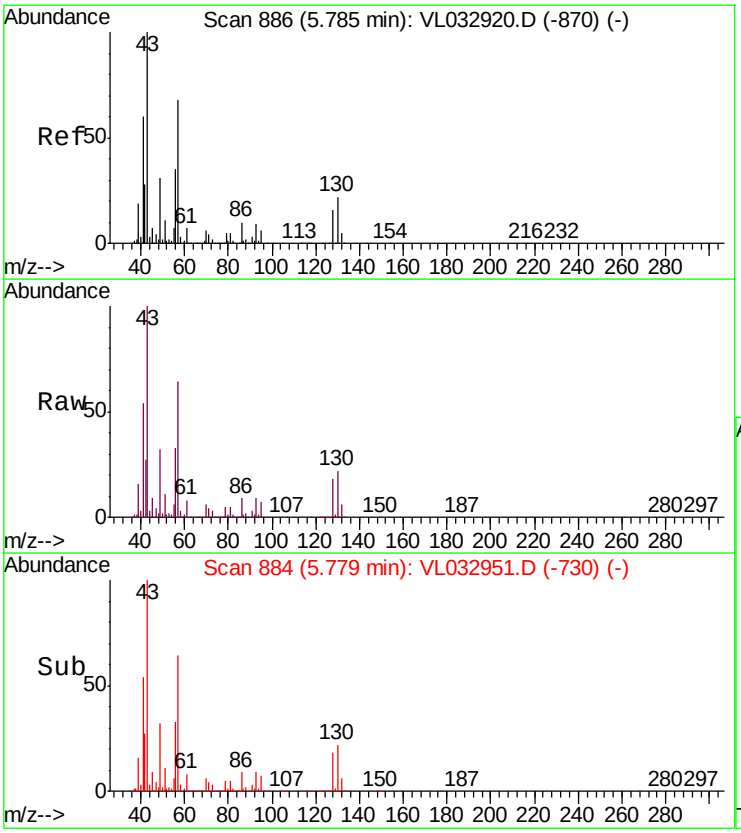
#25
Ethyl Acetate
Concen: 10.125 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 3035681

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	9.6	7.4	11.2
70	7.3	5.7	8.5

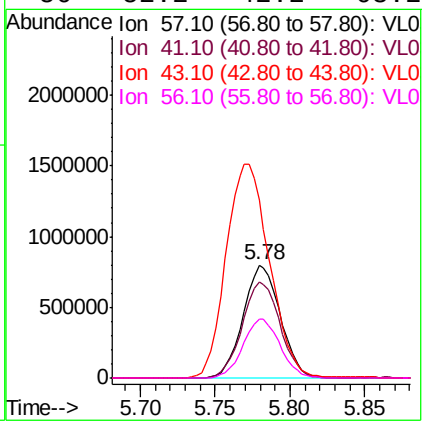


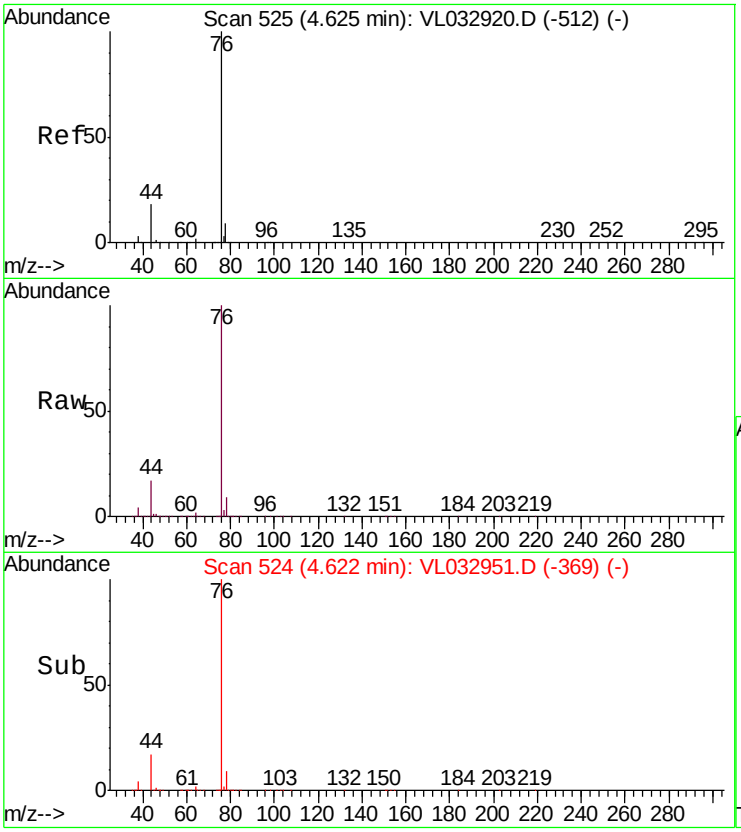


#26
Hexane
Concen: 9.926 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 57 Resp: 1373924

Ion	Ratio	Lower	Upper
57	100		
41	87.3	72.2	108.2
43	222.0	171.9	257.9
56	52.2	42.2	63.2



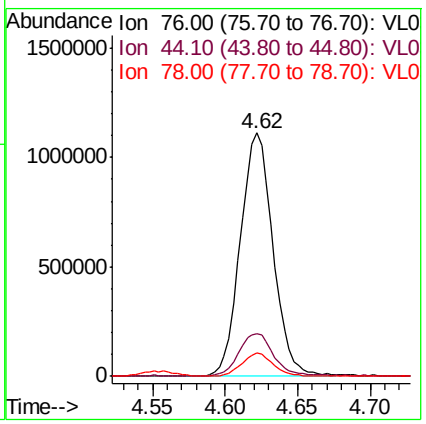


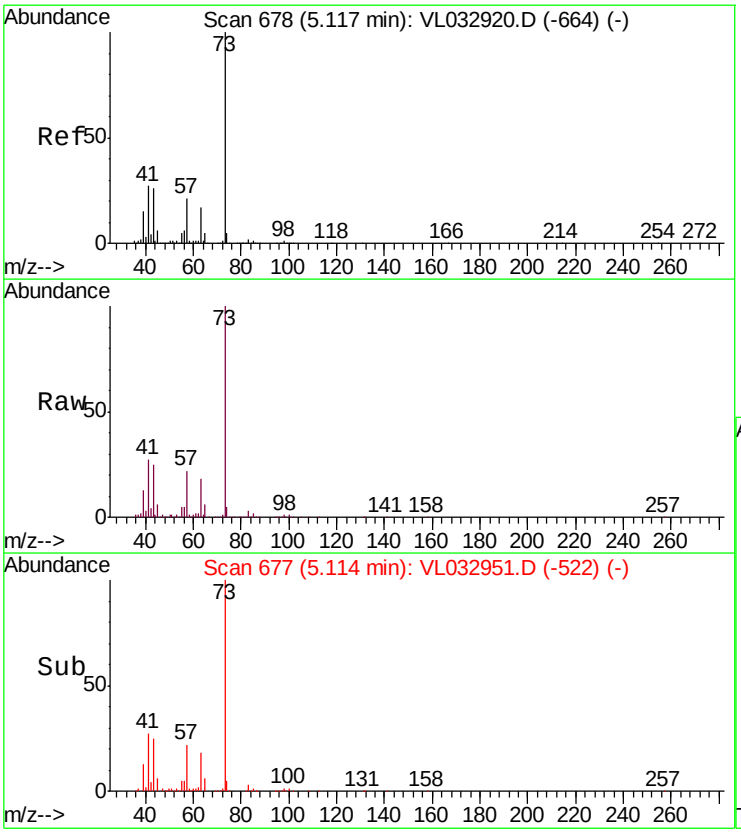
#27
Carbon Disulfide
Concen: 10.088 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1746010

Ion	Ratio	Lower	Upper
76	100		
44	18.1	14.7	22.1
78	9.3	7.4	11.2

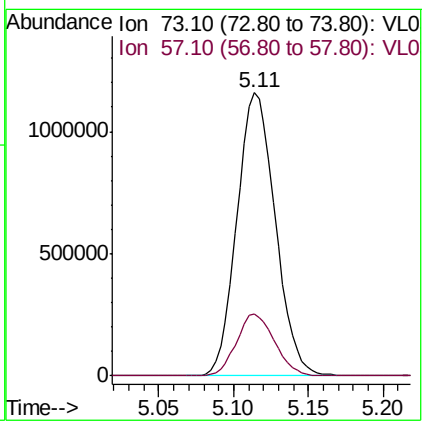


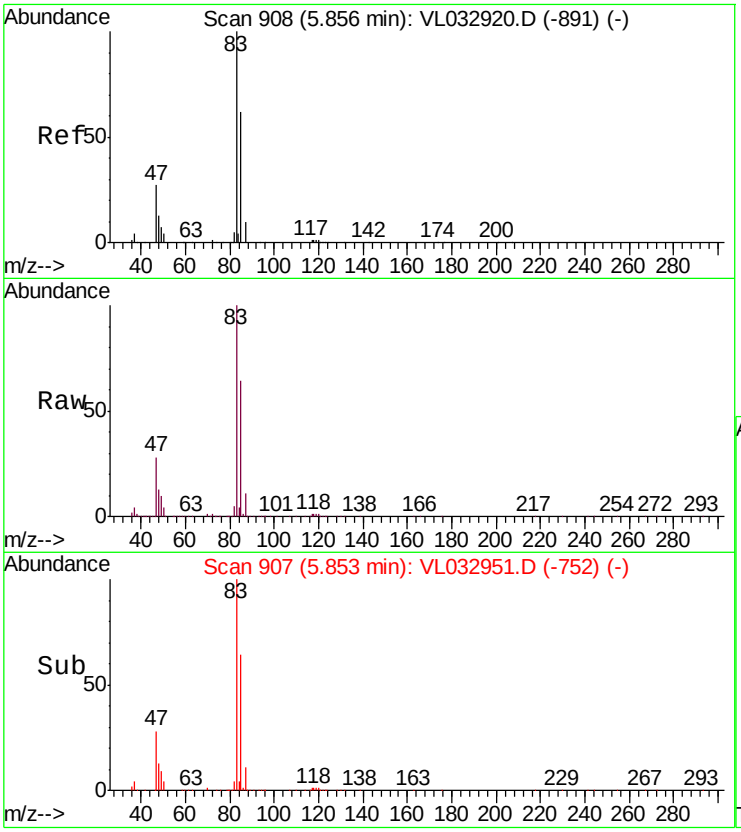


#28
Methyl tert-Butyl Ether
Concen: 9.954 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 73 Resp: 2069251

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0



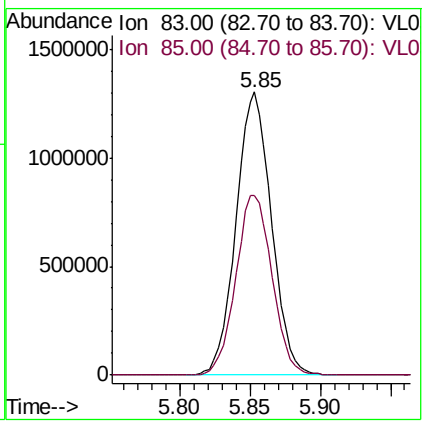


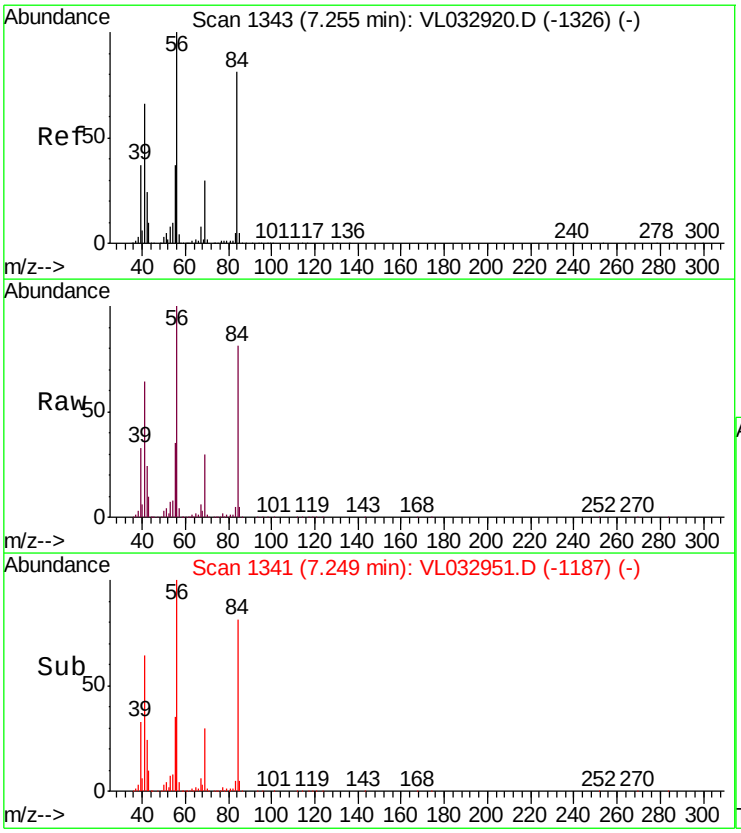
#29
Chloroform
Concen: 9.279 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2291640

Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.8	74.8

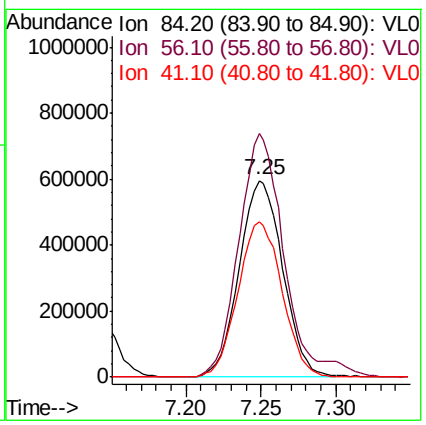


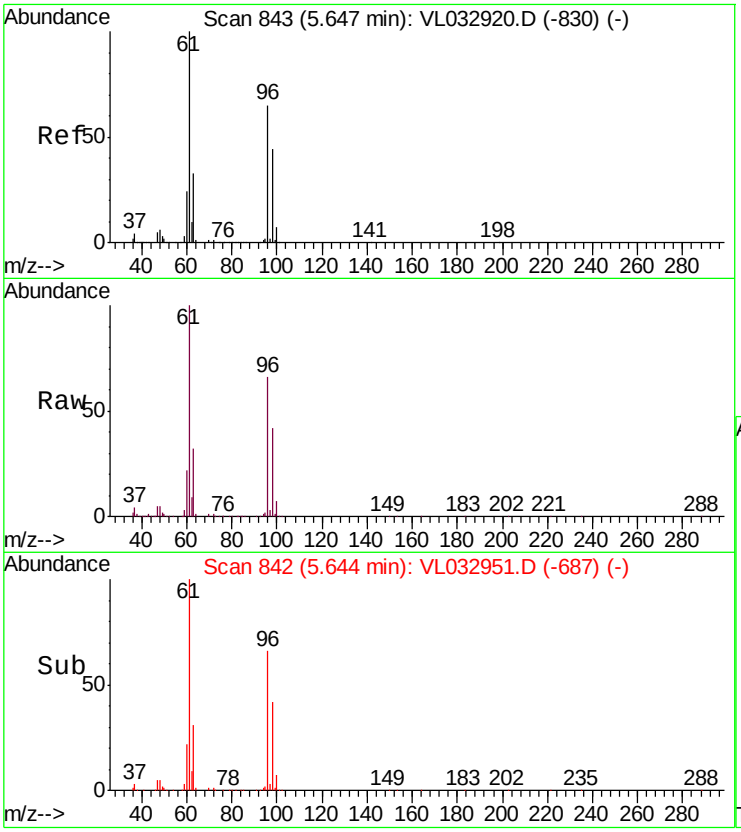


#30
Cyclohexane
Concen: 10.498 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 84 Resp: 1204405

Ion	Ratio	Lower	Upper
84	100		
56	129.4	102.5	153.7
41	80.5	64.1	96.1



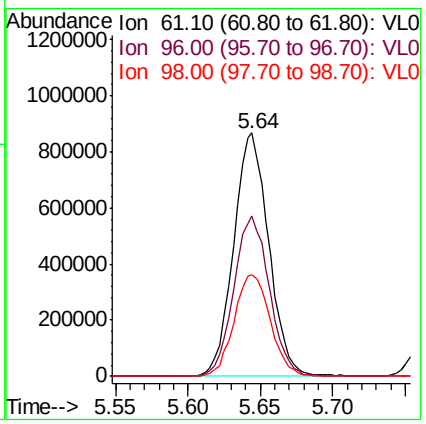


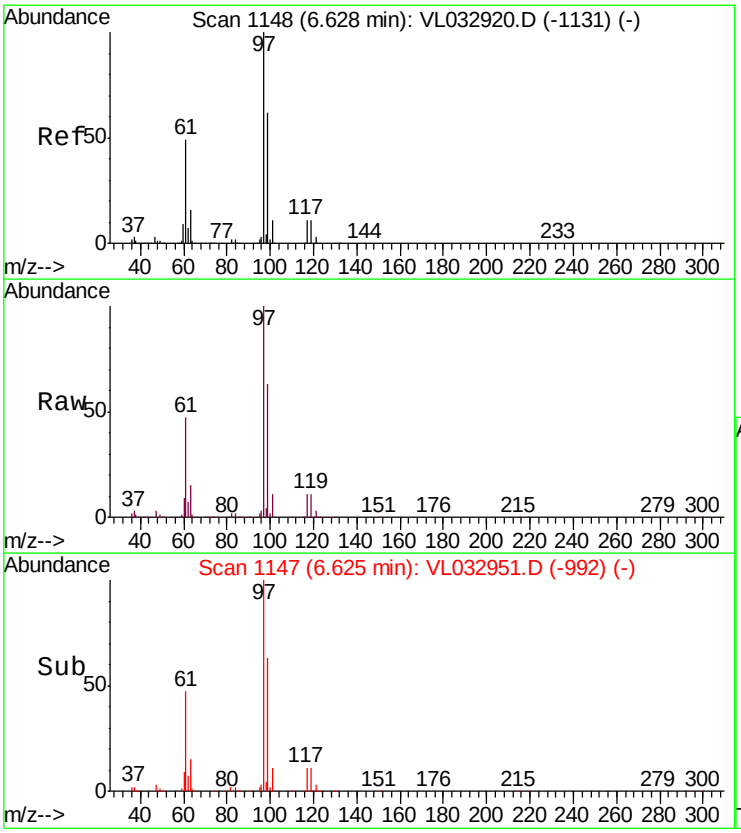
#31
cis-1,2-Dichloroethene
Concen: 11.449 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1454237

Ion	Ratio	Lower	Upper
61	100		
96	66.0	51.9	77.9
98	41.8	35.0	52.4

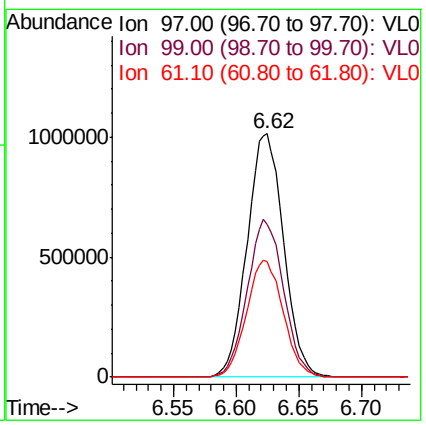


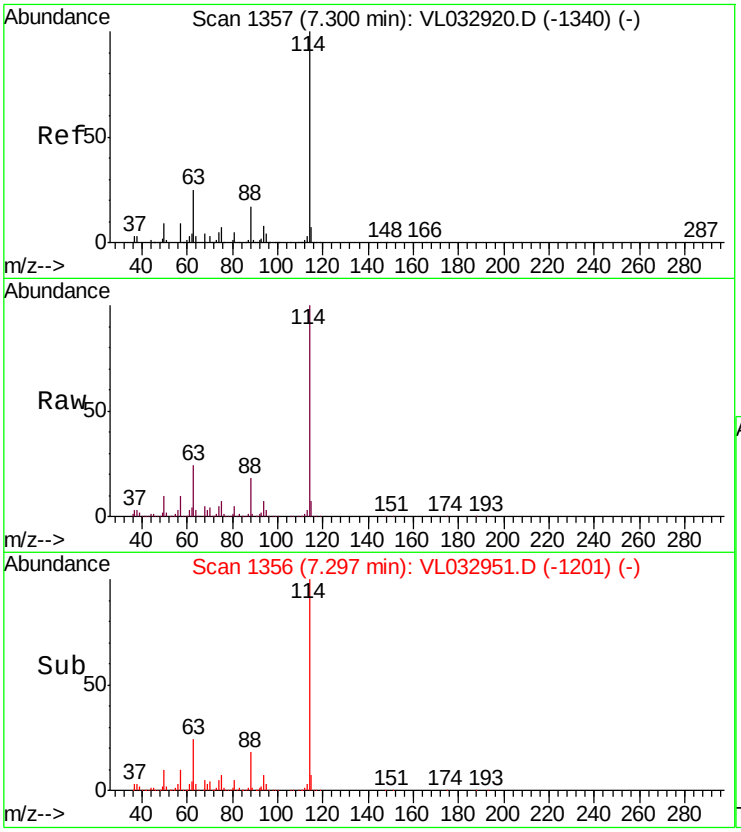


#32
1,1,1-Trichloroethane
Concen: 7.879 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 97 Resp: 2058986

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.1	76.7
61	48.3	39.3	58.9



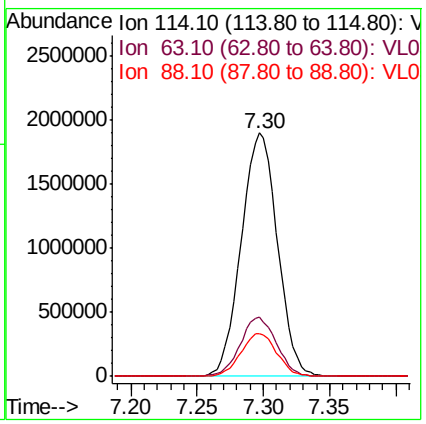


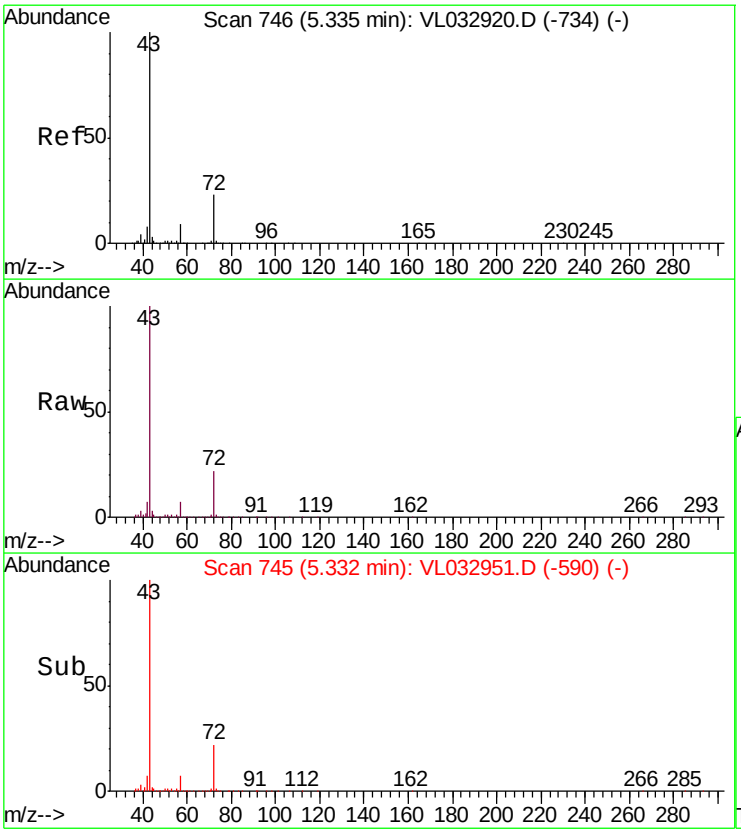
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 3612441

Ion	Ratio	Lower	Upper
114	100		
63	24.4	20.1	30.1
88	17.4	14.2	21.4

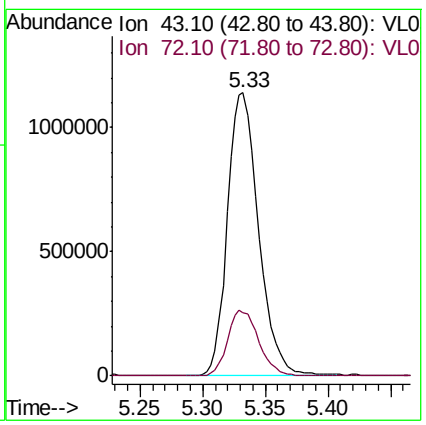


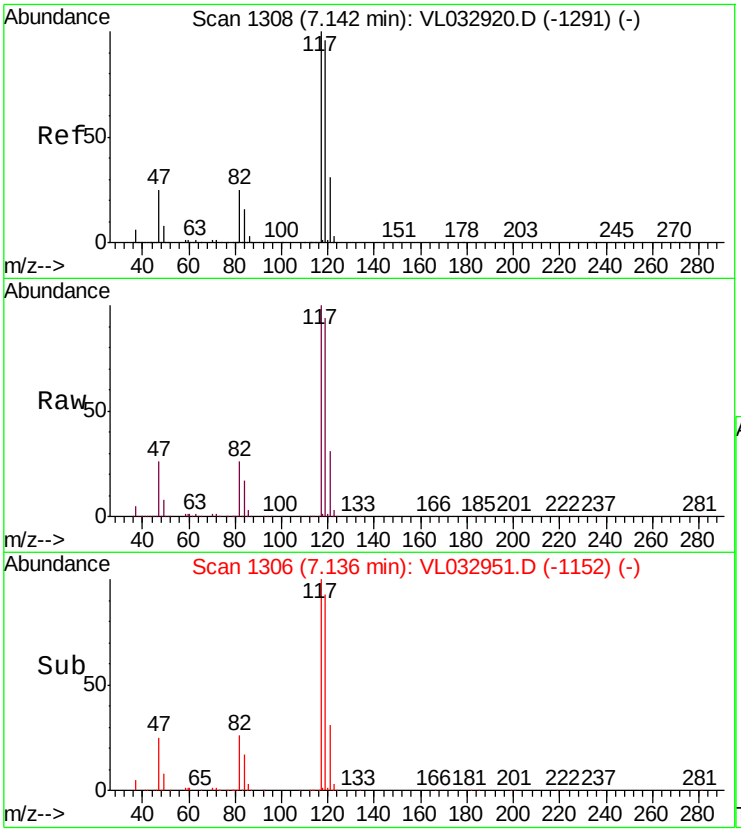


#34
2-Butanone
Concen: 12.451 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 43 Resp: 1959167

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.8	28.2



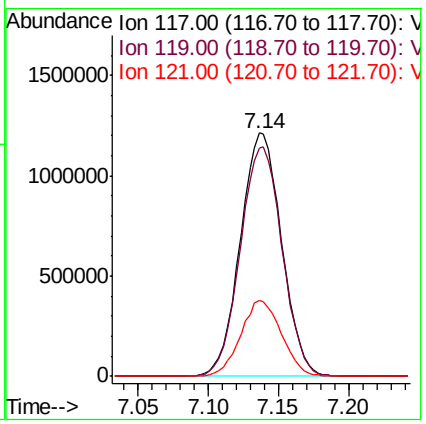


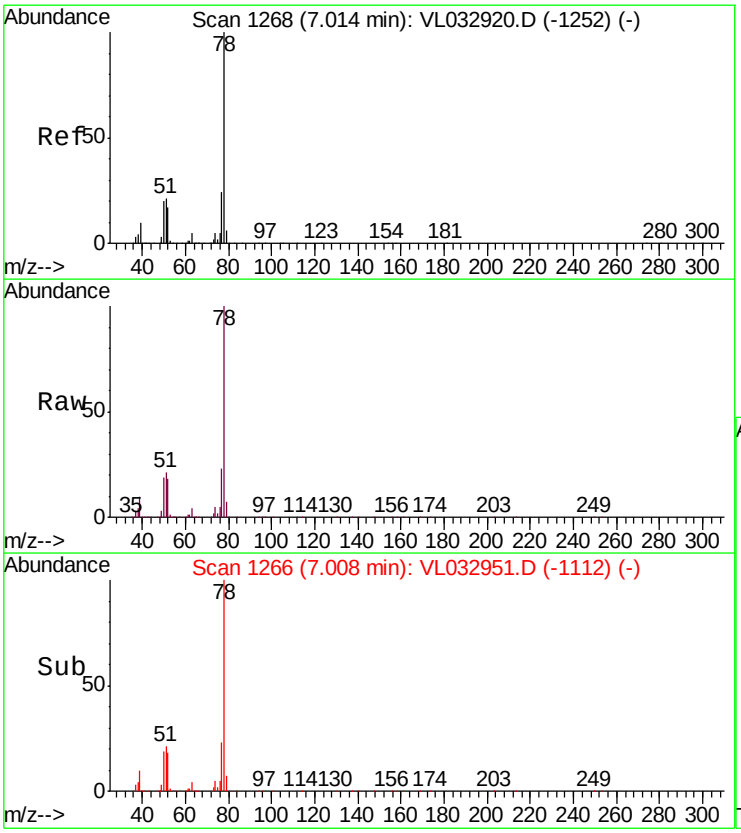
#35
Carbon Tetrachloride
Concen: 8.754 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 2485736

Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.5	114.7
121	31.0	24.5	36.7

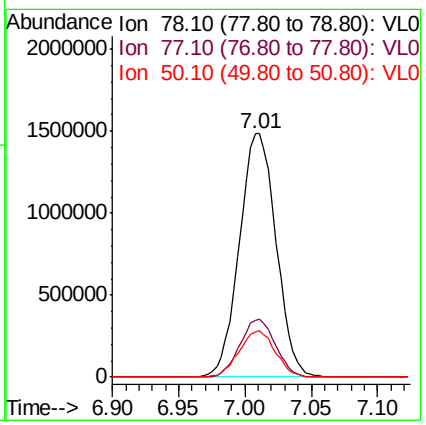


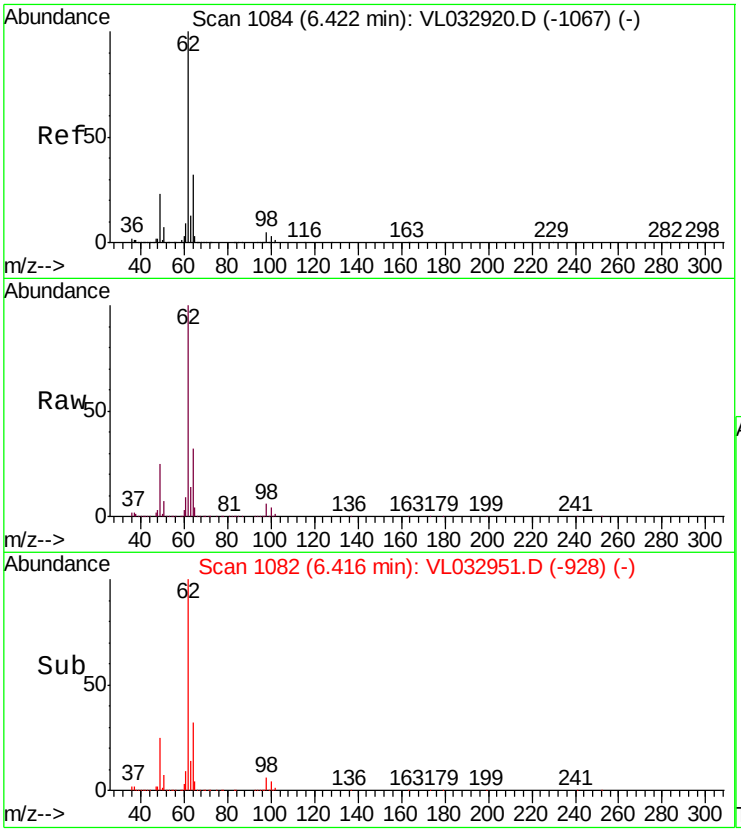


#36
Benzene
Concen: 10.774 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 78 Resp: 2862539

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3
50	18.6	16.1	24.1



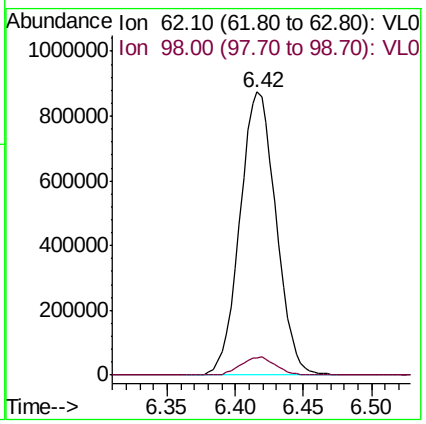


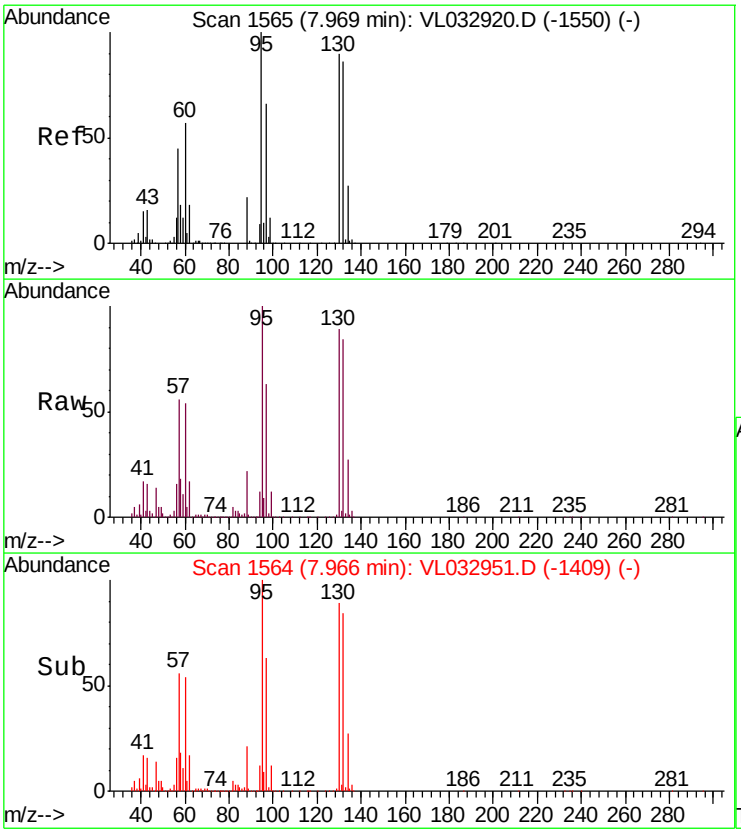
#37
1,2-Dichloroethane
Concen: 8.889 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1607945

Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.3	6.5

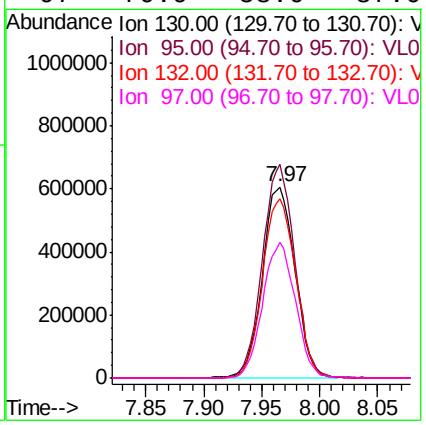


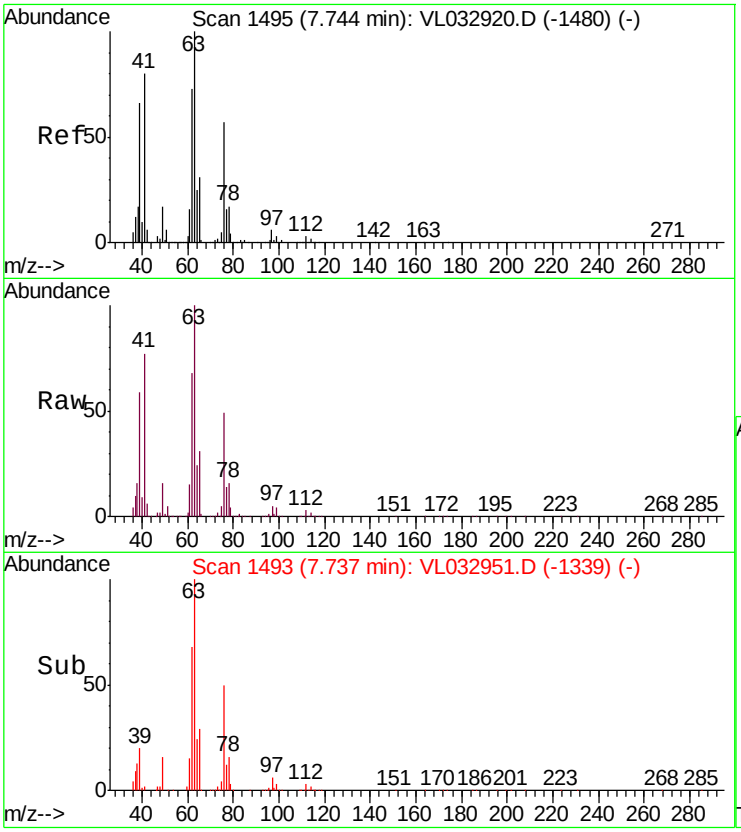


#38
Trichloroethene
Concen: 10.770 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:130 Resp: 1190895

Ion	Ratio	Lower	Upper
130	100		
95	111.7	88.6	132.8
132	93.8	76.1	114.1
97	70.9	58.0	87.0



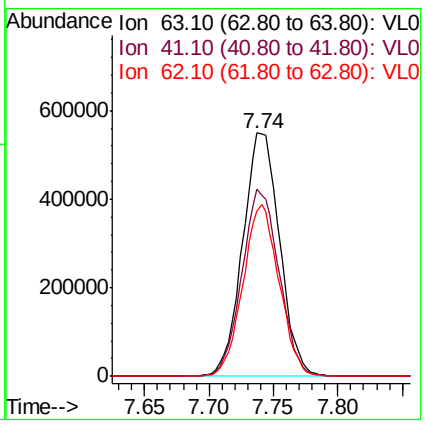


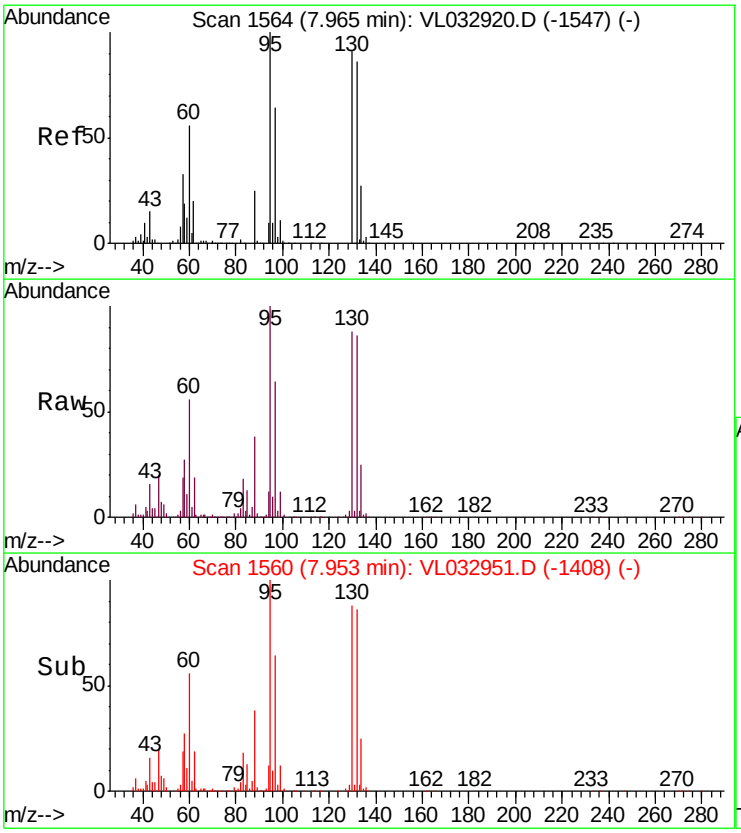
#39
1,2-Dichloropropane
Concen: 10.878 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 1096187

Ion	Ratio	Lower	Upper
63	100		
41	77.0	63.9	95.9
62	68.0	58.8	88.2

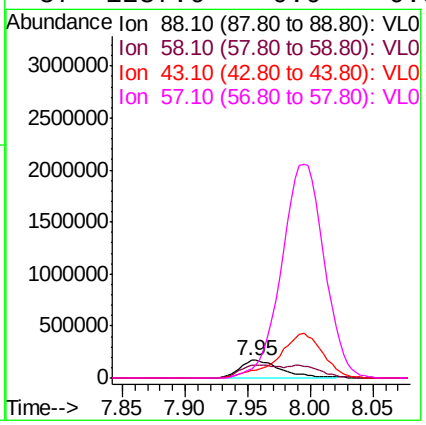


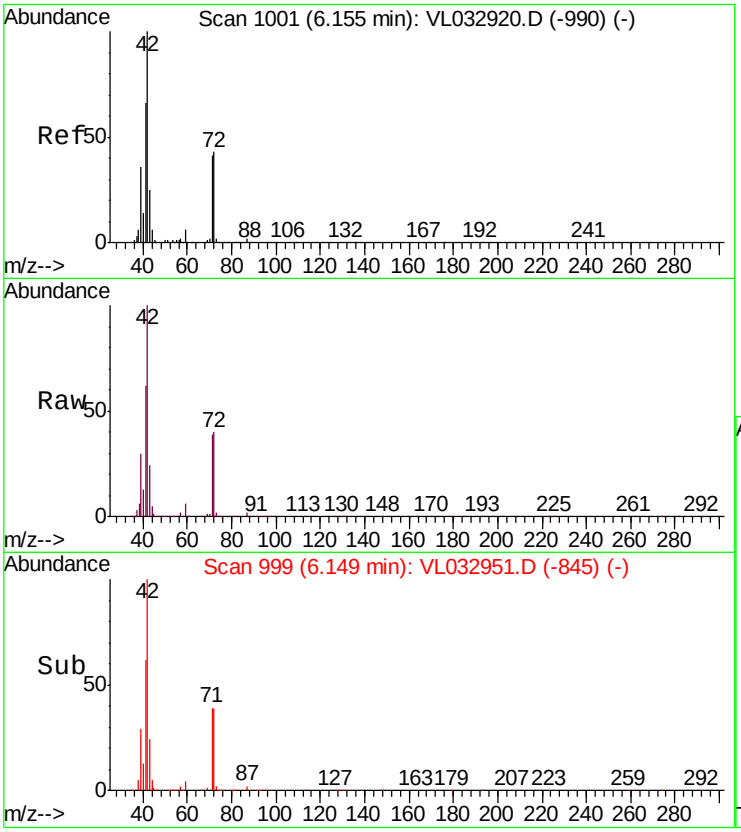


#40
1,4-Dioxane
Concen: 10.620 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 88 Resp: 394197

Ion	Ratio	Lower	Upper
88	100		
58	128.1	107.4	161.2
43	270.1	0.0	0.0#
57	1237.6	0.0	0.0#



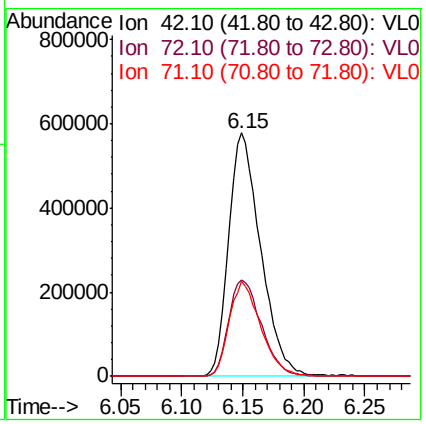


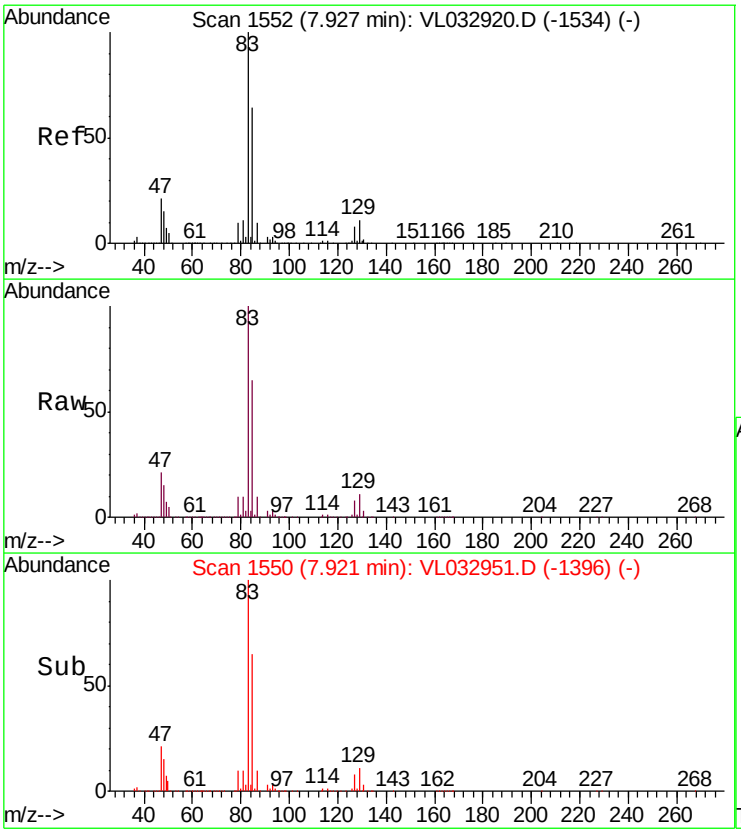
#41
Tetrahydrofuran
Concen: 10.815 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 1058366

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.9	49.3
71	38.3	32.0	48.0

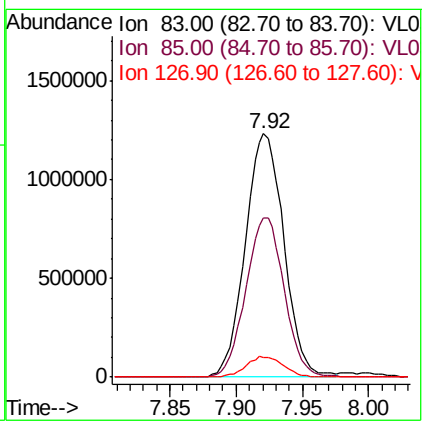


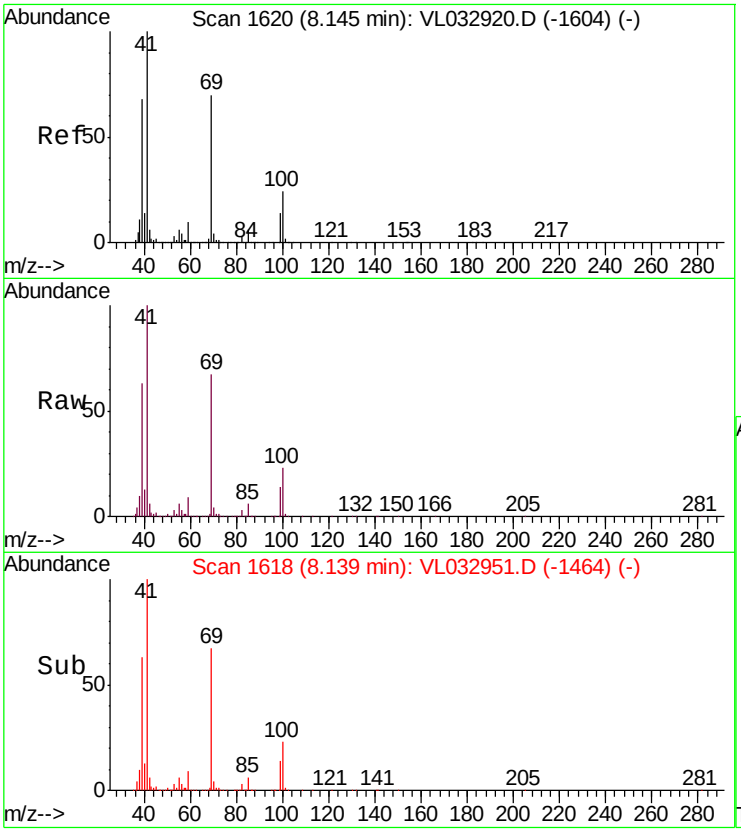


#42
Bromodichloromethane
Concen: 9.915 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 83 Resp: 2485061

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3
127	8.2	6.7	10.1



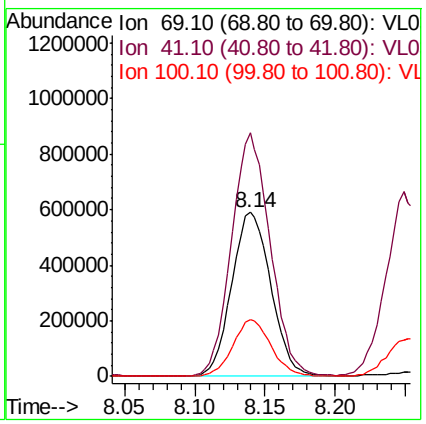


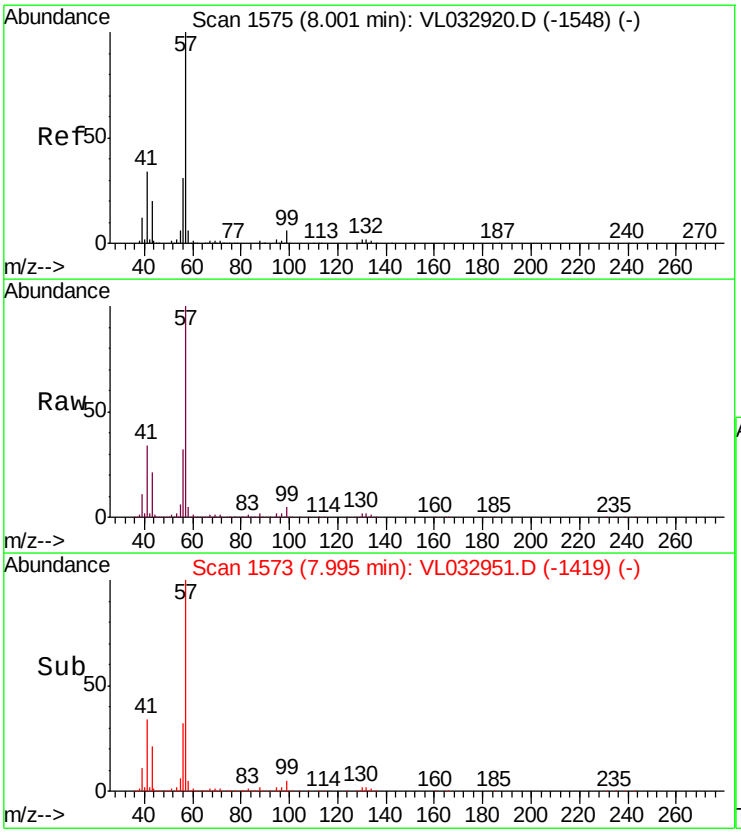
#43
Methyl Methacrylate
Concen: 11.712 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1153064

Ion	Ratio	Lower	Upper
69	100		
41	146.0	116.6	175.0
100	33.5	26.5	39.7

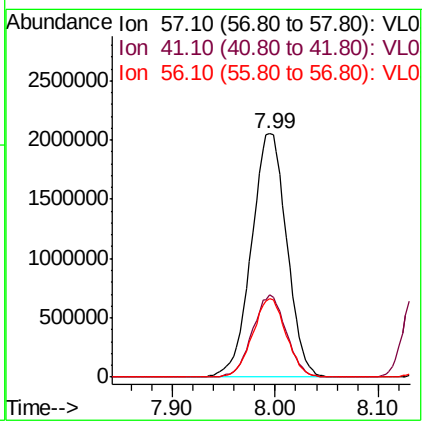


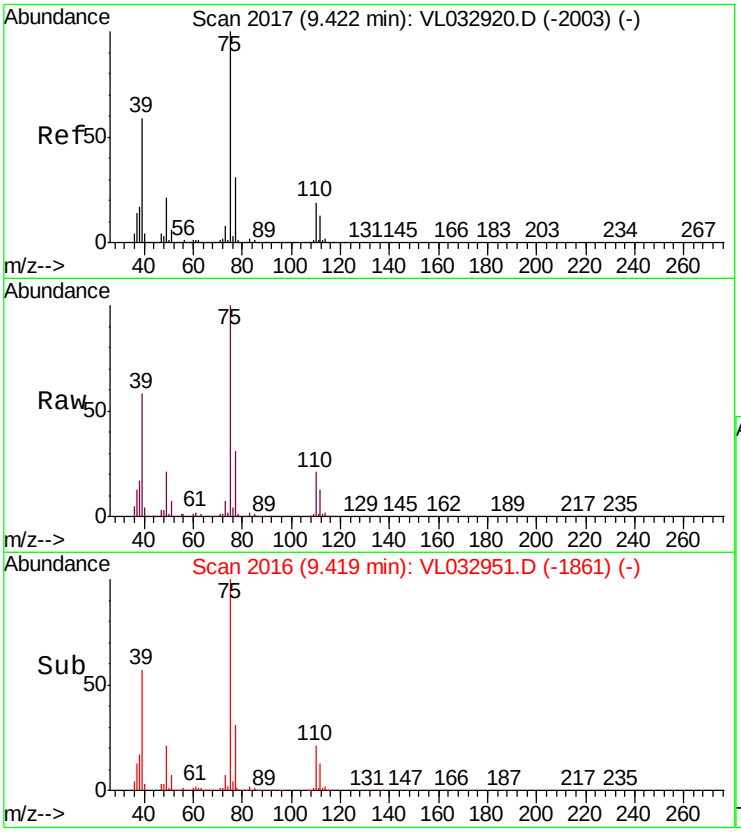


#44
2,2,4-Trimethylpentane
Concen: 10.804 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 57 Resp: 4872598

Ion	Ratio	Lower	Upper
57	100		
41	32.3	27.0	40.4
56	30.7	24.6	37.0



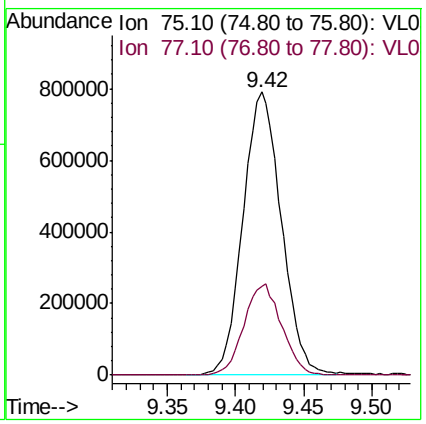


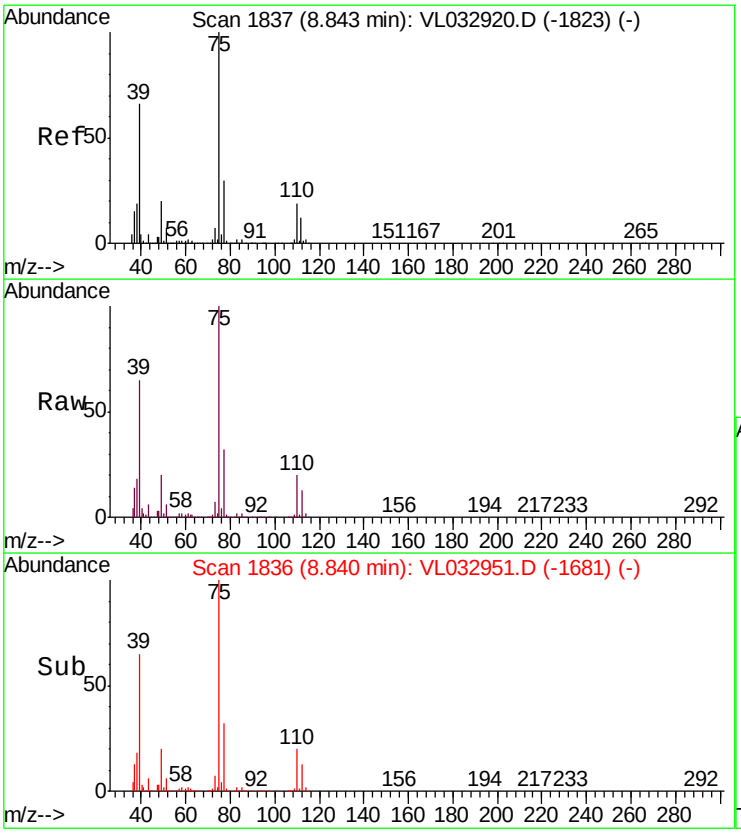
#45
t-1,3-Dichloropropene
Concen: 12.795 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1544538

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2

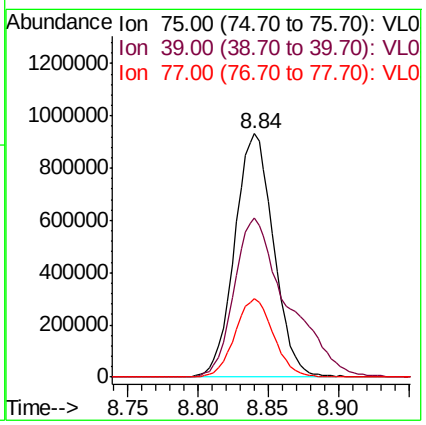


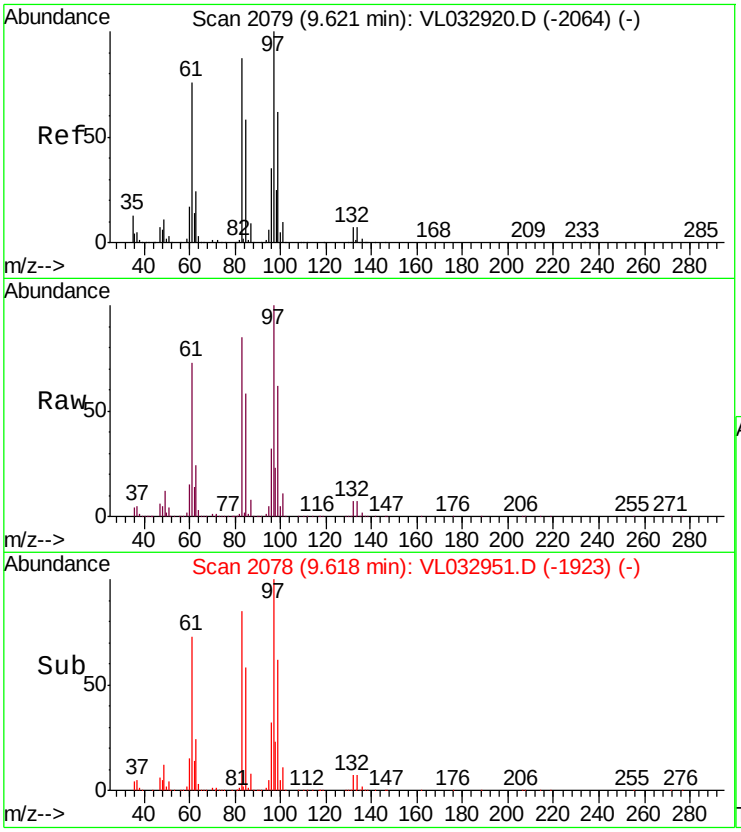


#46
cis-1,3-Dichloropropene
Concen: 12.141 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 75 Resp: 1793867

Ion	Ratio	Lower	Upper
75	100		
39	65.3	52.8	79.2
77	32.1	24.3	36.5



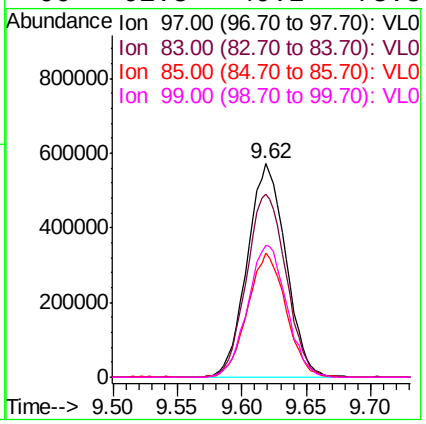


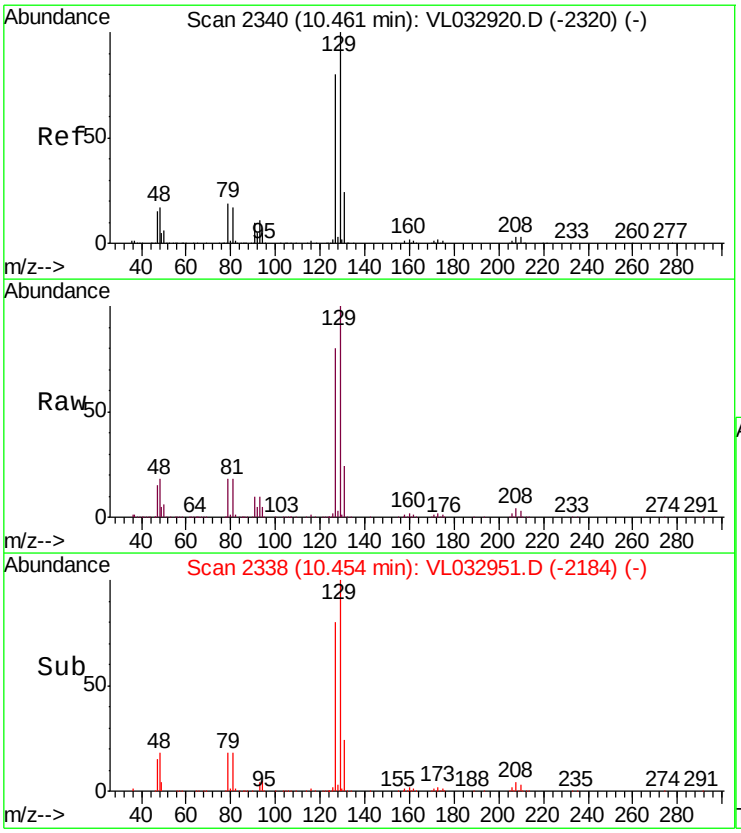
#47
1,1,2-Trichloroethane
Concen: 10.777 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 1195334

Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.8	104.8
85	57.8	46.7	70.1
99	61.8	49.2	73.8

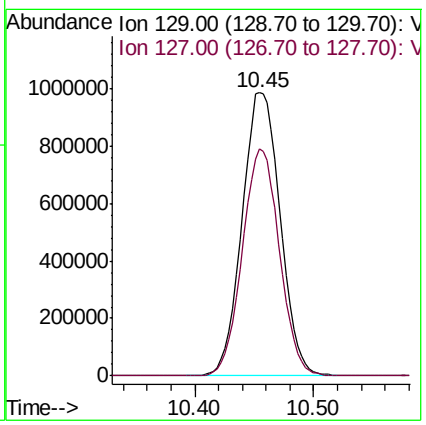


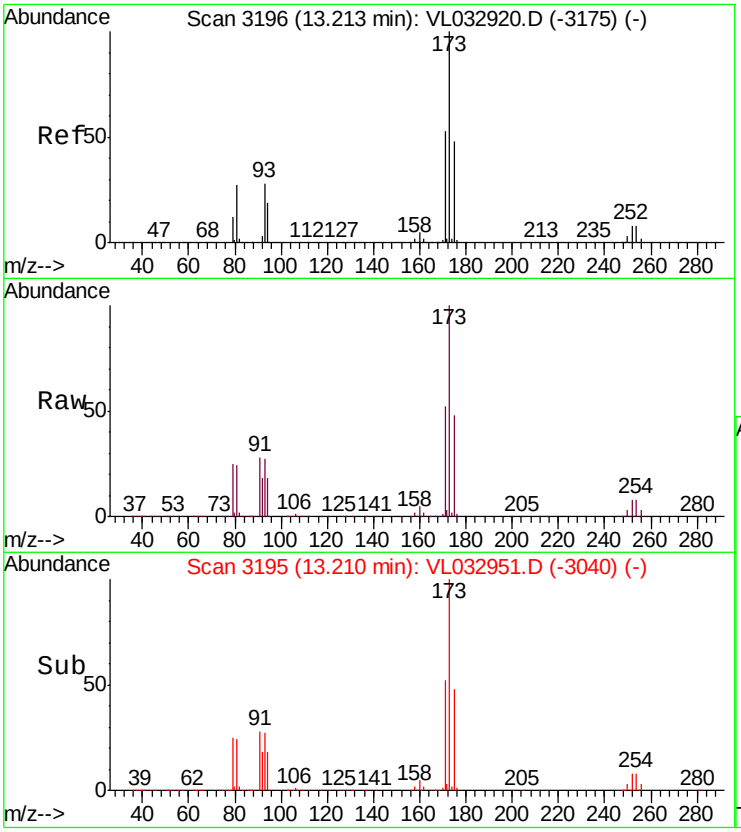


#48
Dibromochloromethane
Concen: 10.503 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:129 Resp: 2185447

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.3	117.8



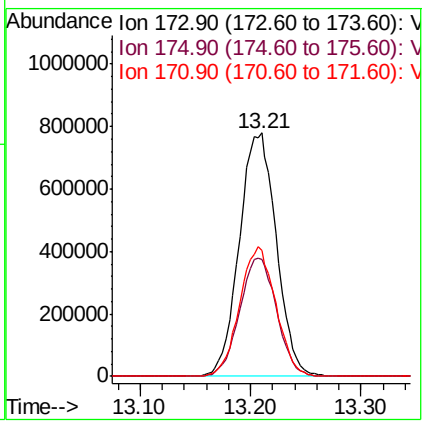


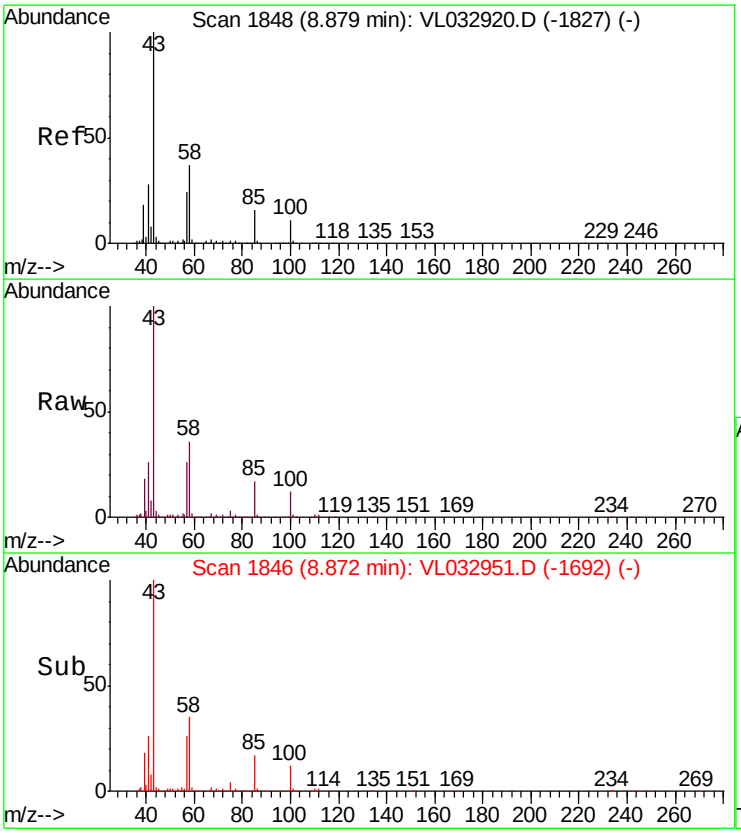
#49
Bromoform
Concen: 10.606 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1814978

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.4
171	51.9	41.5	62.3

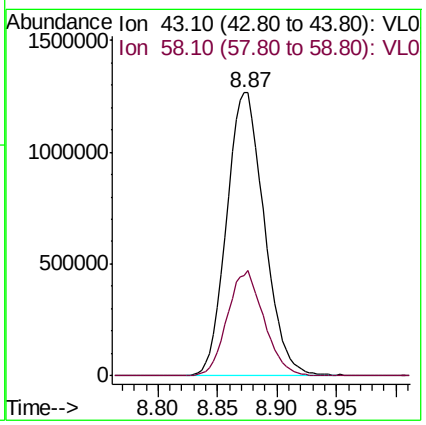


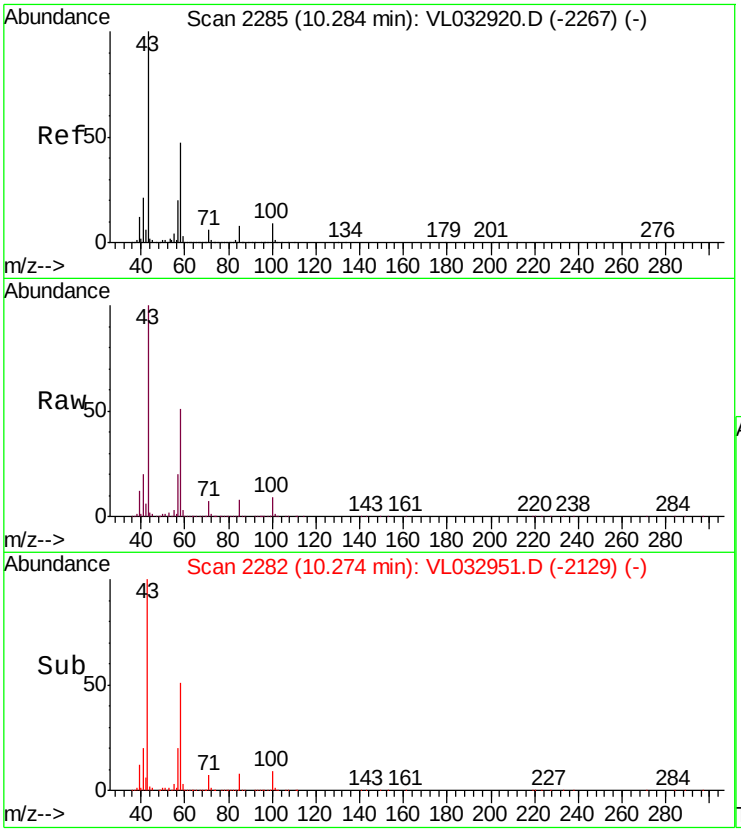


#50
4-Methyl-2-Pentanone
Concen: 11.025 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 43 Resp: 2774105

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.0	43.4



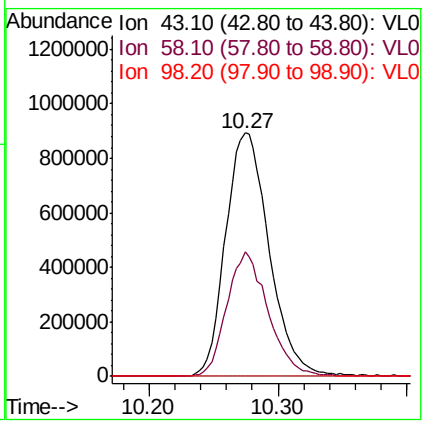


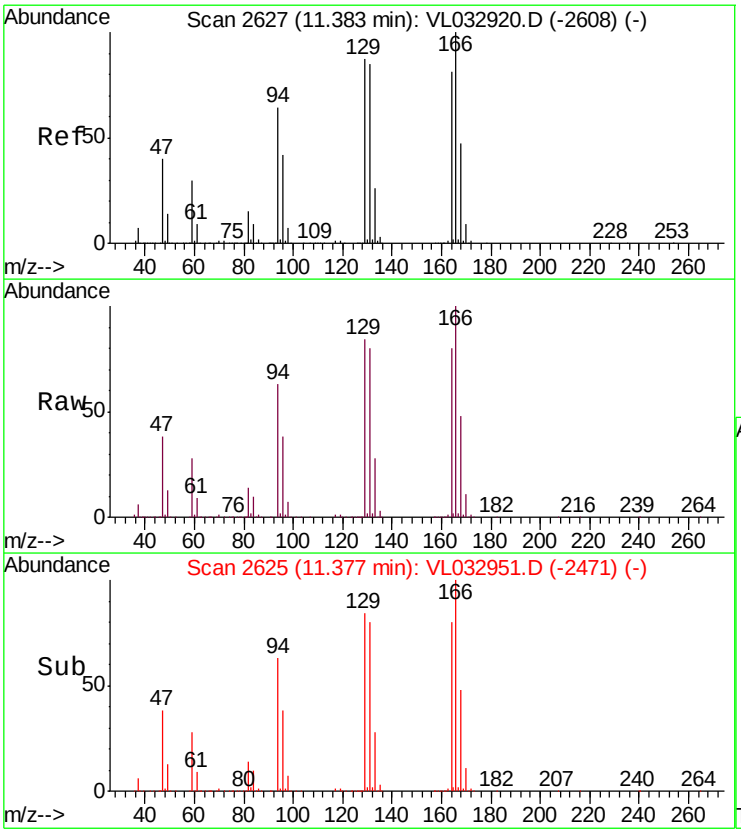
#51
2-Hexanone
Concen: 12.206 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2082892

Ion	Ratio	Lower	Upper
43	100		
58	48.9	38.1	57.1
98	0.3	0.4	0.6#

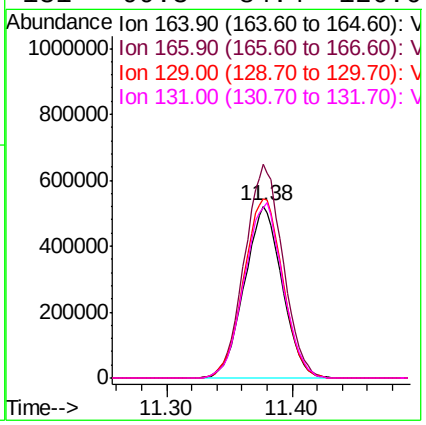


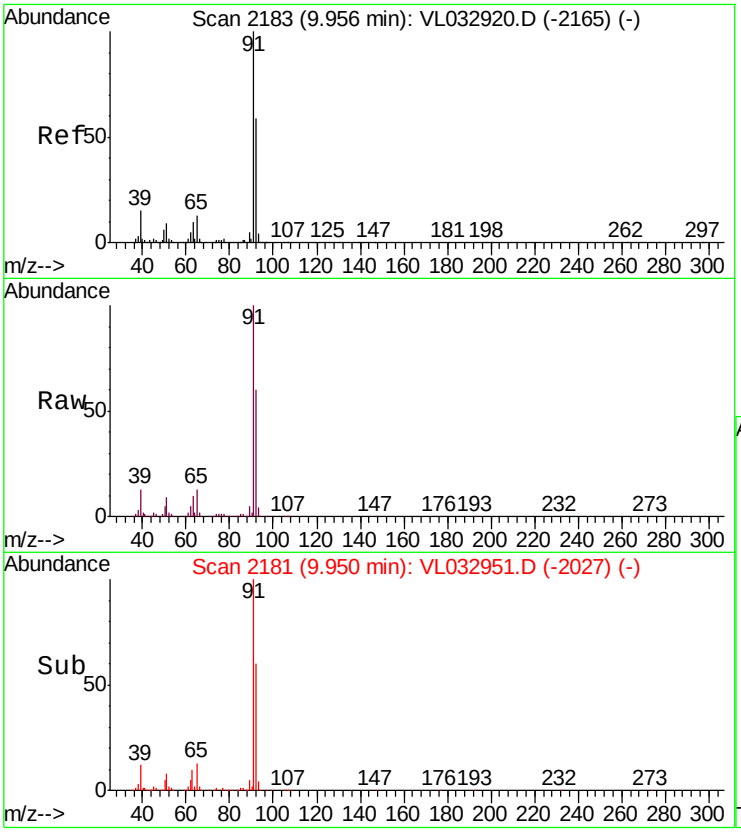


#52
Tetrachloroethene
Concen: 11.232 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:164 Resp: 1085582

Ion	Ratio	Lower	Upper
164	100		
166	124.2	98.8	148.2
129	104.2	85.5	128.3
131	99.3	84.4	126.6



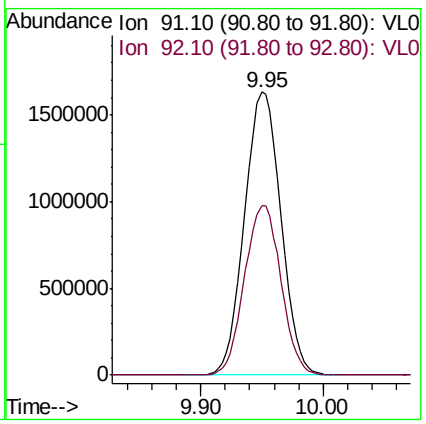


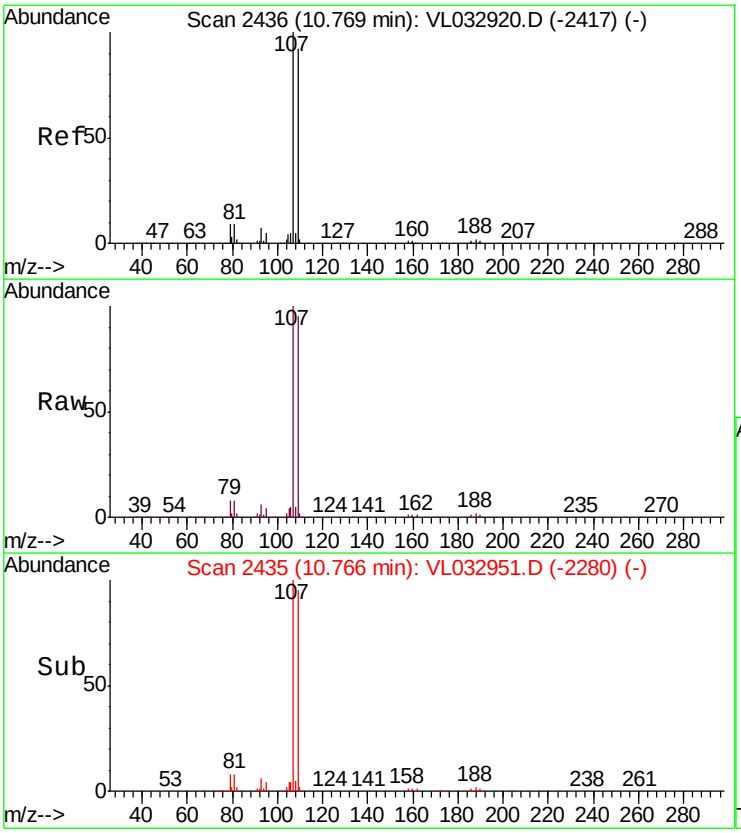
#53
Toluene
Concen: 11.958 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3369856

Ion	Ratio	Lower	Upper
91	100		
92	60.0	47.4	71.0

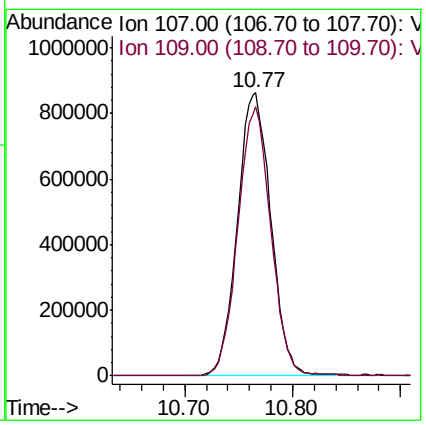


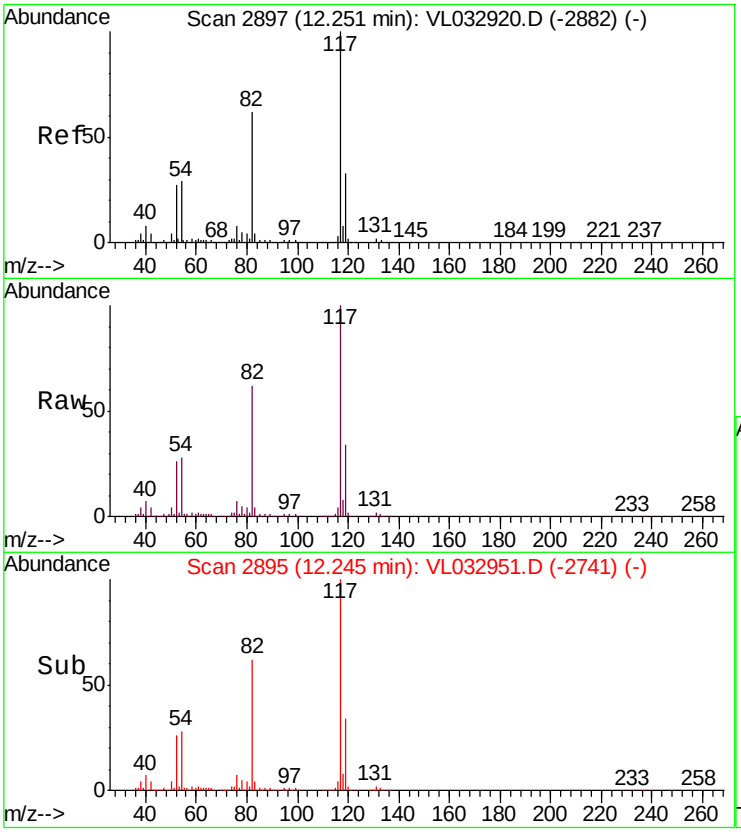


#54
1,2-Dibromoethane
Concen: 10.745 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:107 Resp: 1861833

Ion	Ratio	Lower	Upper
107	100		
109	95.0	73.4	110.2



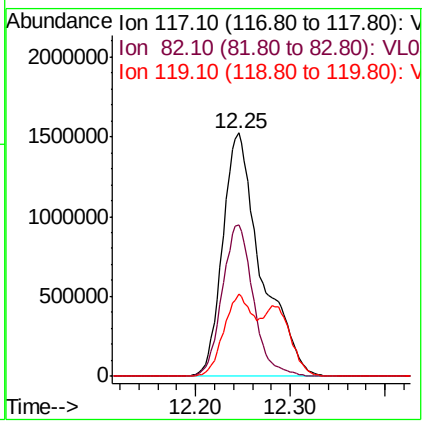


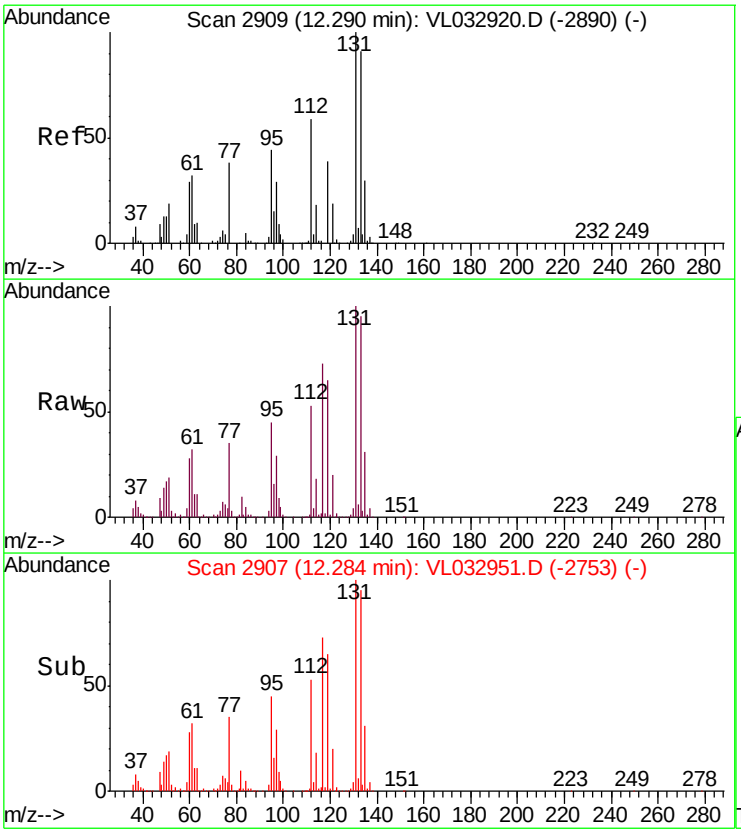
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 4298371

Ion	Ratio	Lower	Upper
117	100		
82	50.6	47.8	71.8
119	26.9	43.1	64.7#

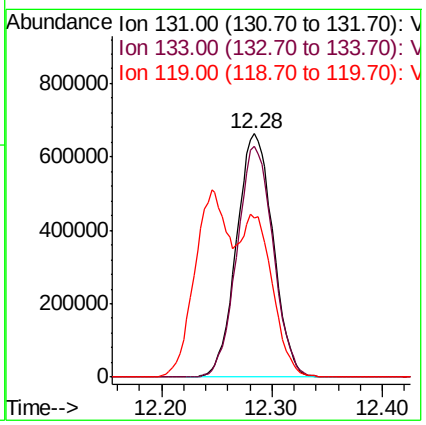


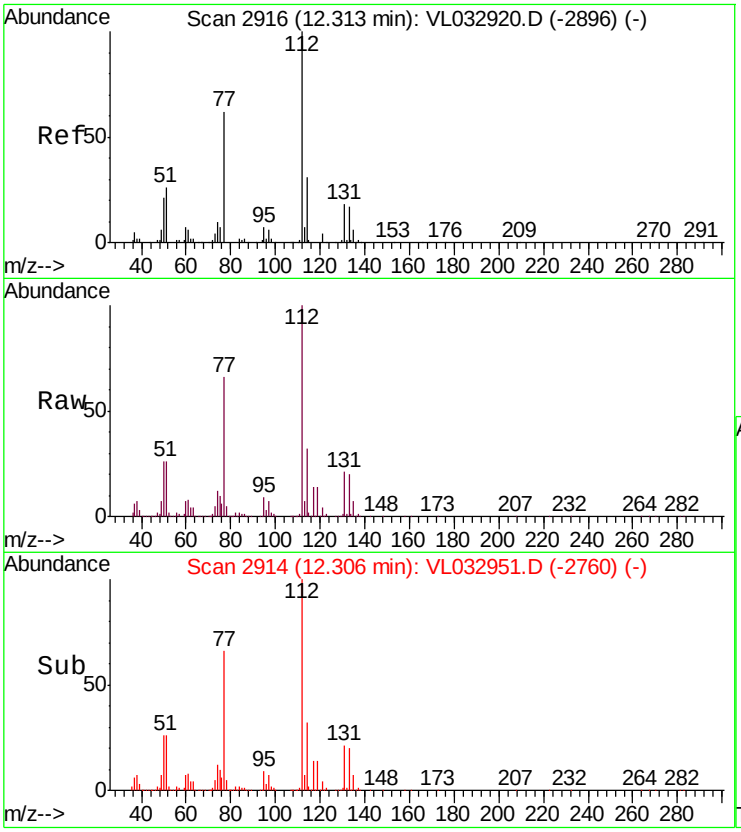


#56
1,1,1,2-Tetrachloroethane
Concen: 7.927 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:131 Resp: 1519021

Ion	Ratio	Lower	Upper
131	100		
133	94.1	75.1	112.7
119	57.2	47.5	71.3



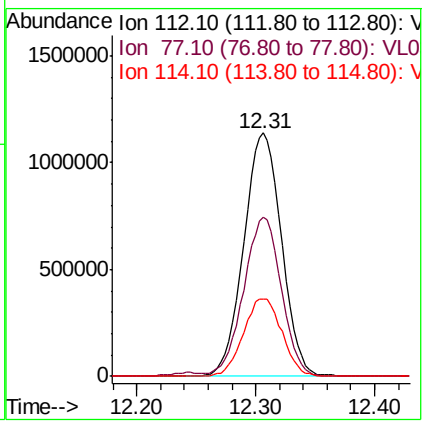


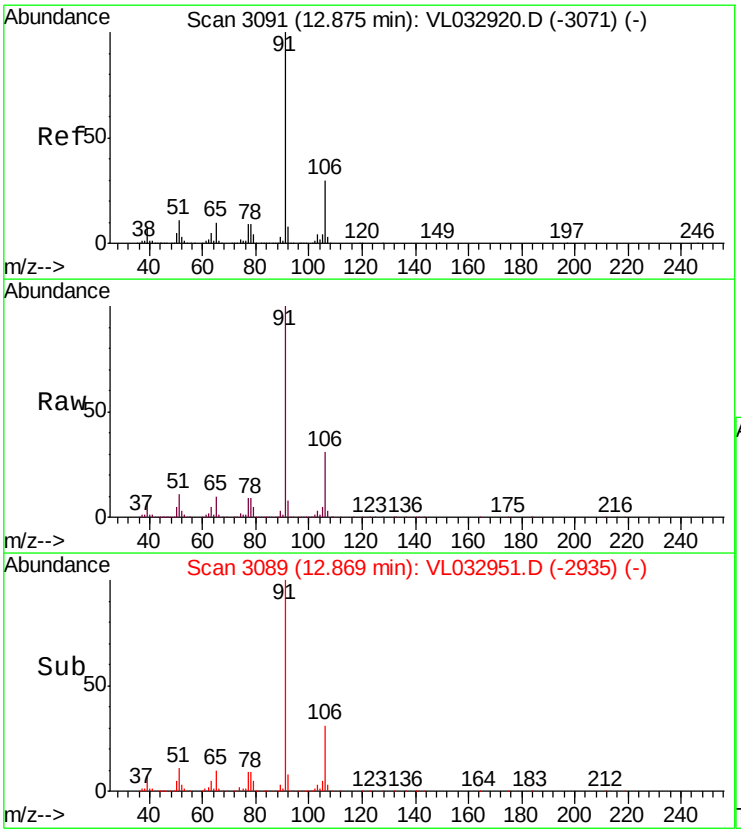
#57
Chlorobenzene
Concen: 8.053 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 2500126

Ion	Ratio	Lower	Upper
112	100		
77	65.4	51.1	76.7
114	31.5	28.4	34.7

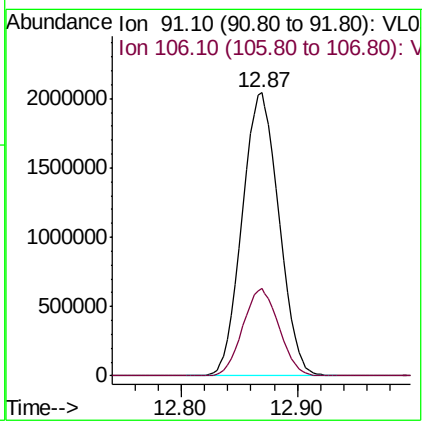


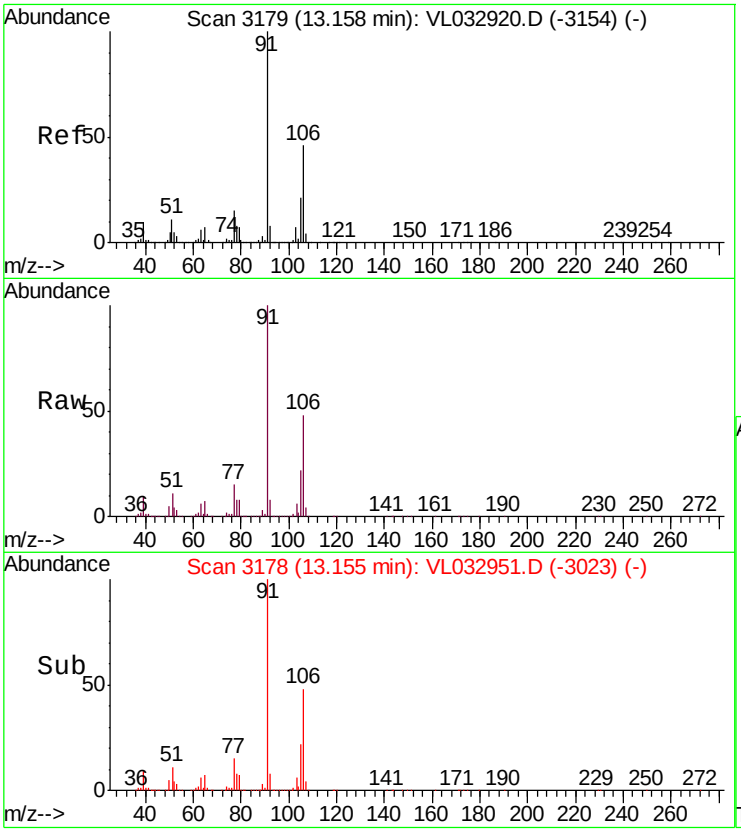


#58
Ethyl Benzene
Concen: 9.824 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 91 Resp: 4504854

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.9	35.9



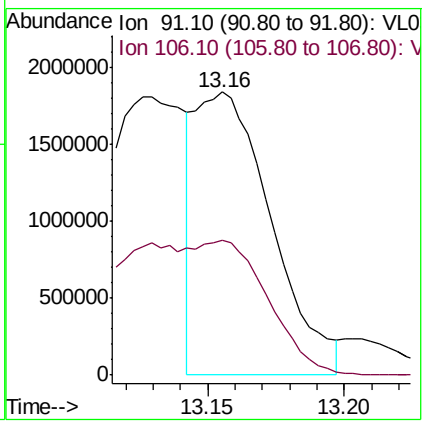


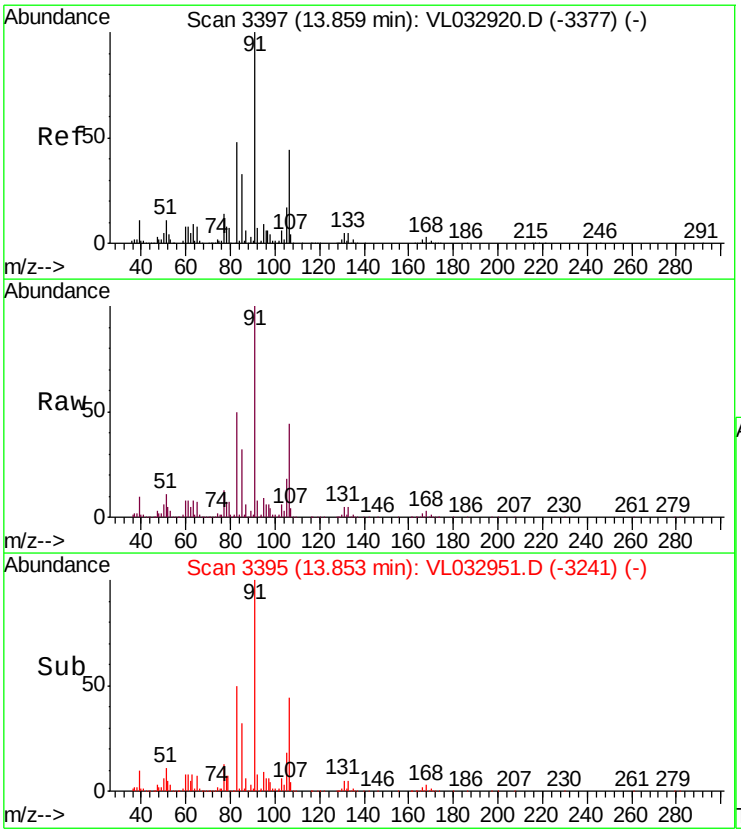
#59
m/p-Xylene
Concen: 8.484 ppbv
RT: 13.16 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 3526801

Ion	Ratio	Lower	Upper
91	100		
106	97.6	0.0	0.0#

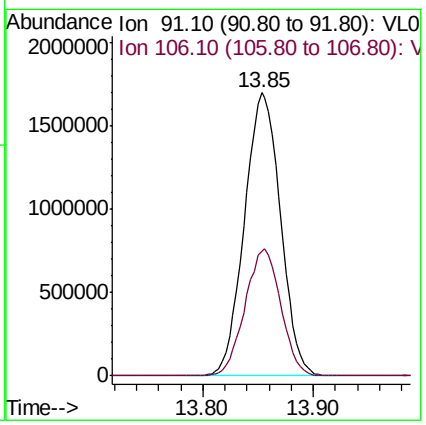


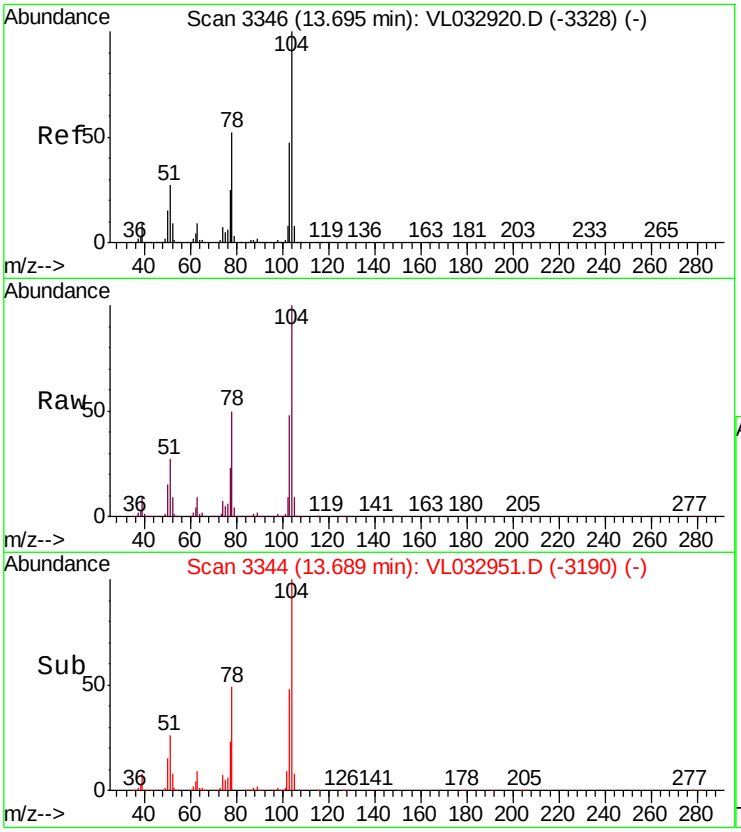


#60
o-Xylene
Concen: 9.181 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 91 Resp: 3854463

Ion	Ratio	Lower	Upper
91	100		
106	44.5	21.9	65.8



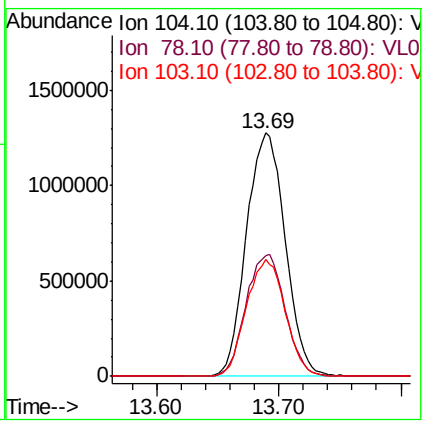


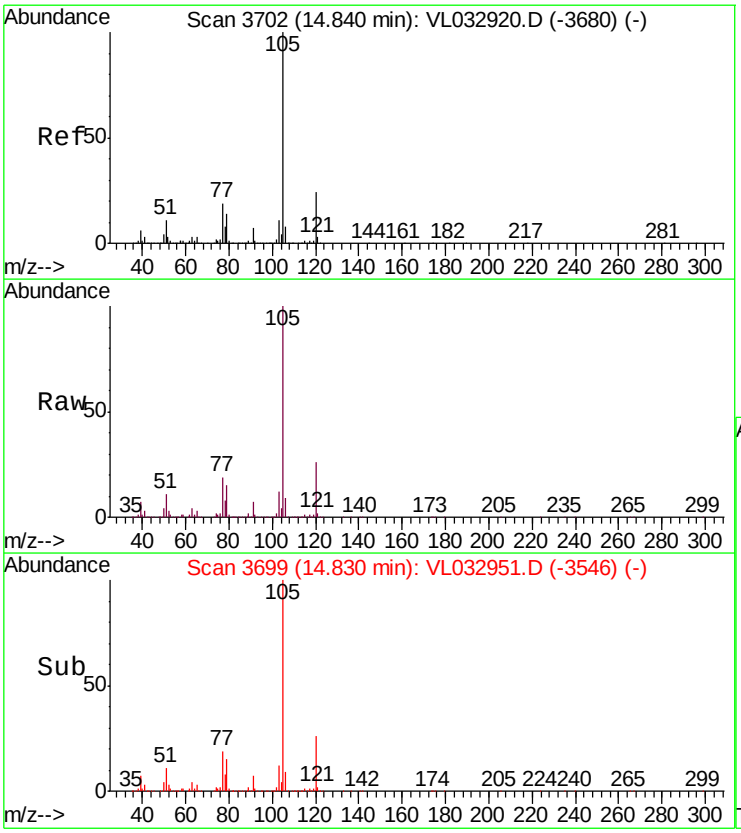
#61
Styrene
Concen: 10.044 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:104 Resp: 2804894

Ion	Ratio	Lower	Upper
104	100		
78	50.6	42.0	63.0
103	48.1	38.3	57.5

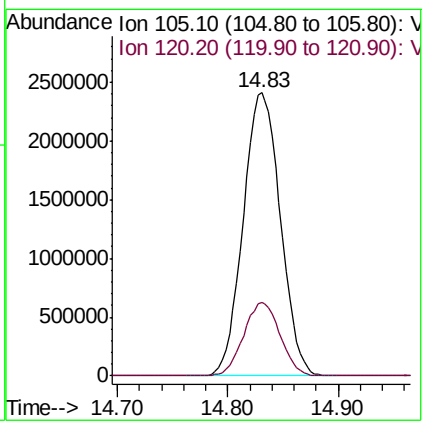


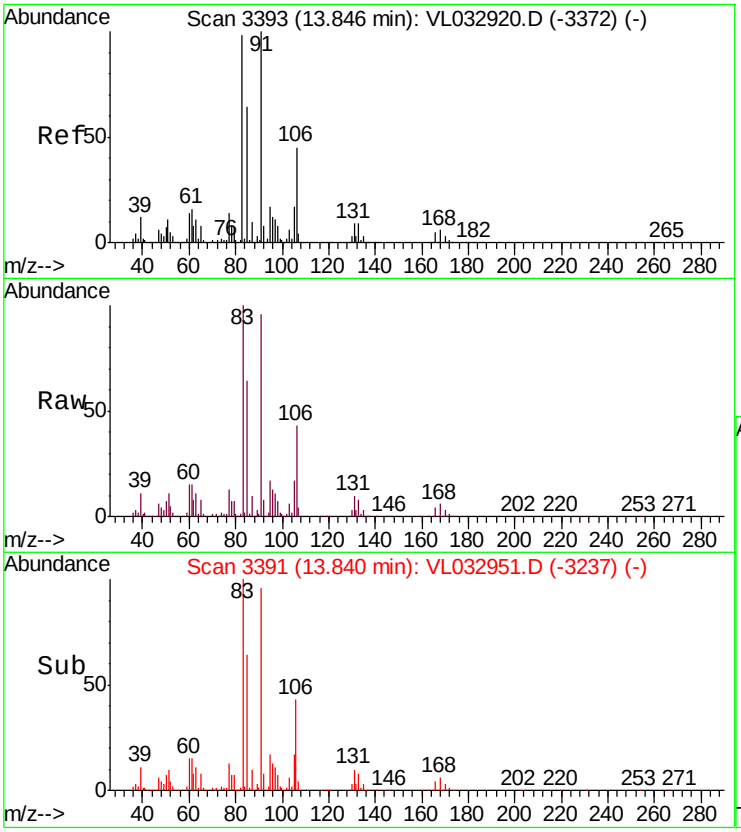


#62
Isopropylbenzene
Concen: 9.614 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:105 Resp: 5631040

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.3	30.5



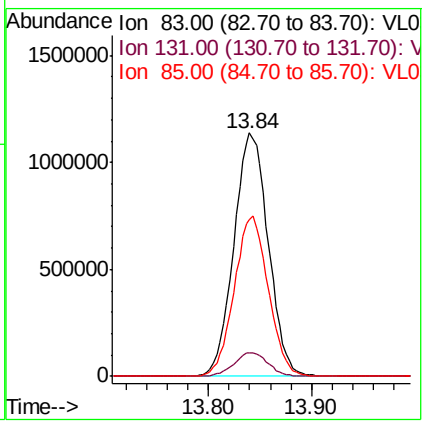


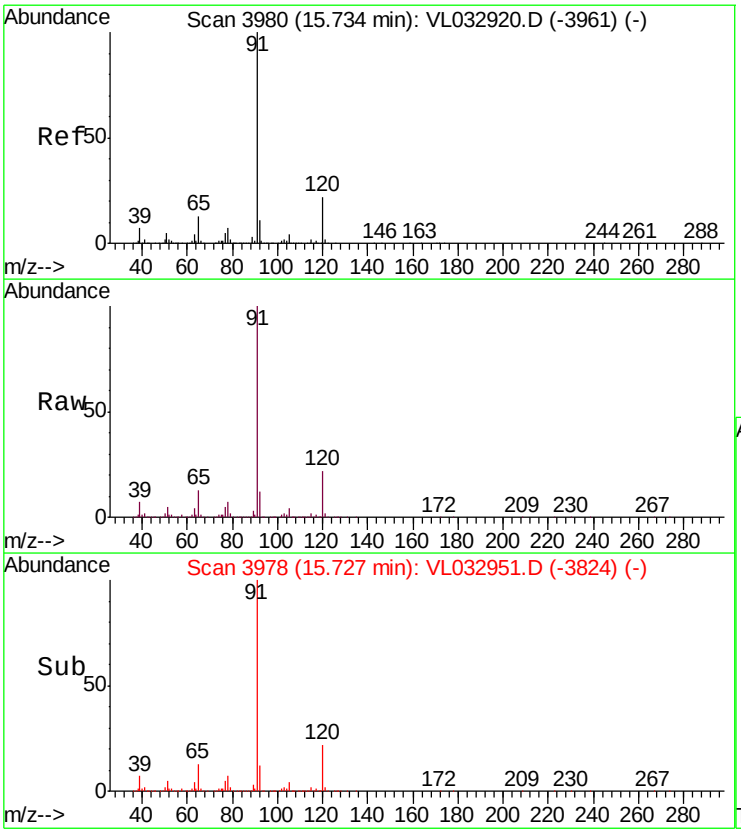
#63
1,1,2,2-Tetrachloroethane
Concen: 8.108 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2643002

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	65.2	32.9	98.6

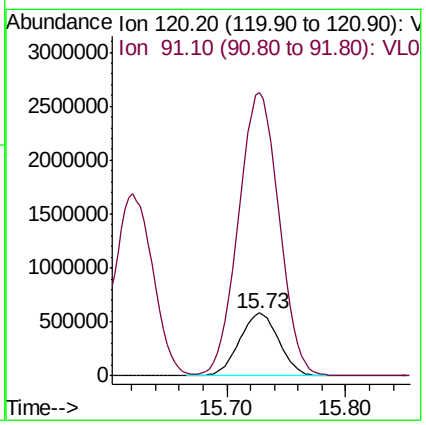


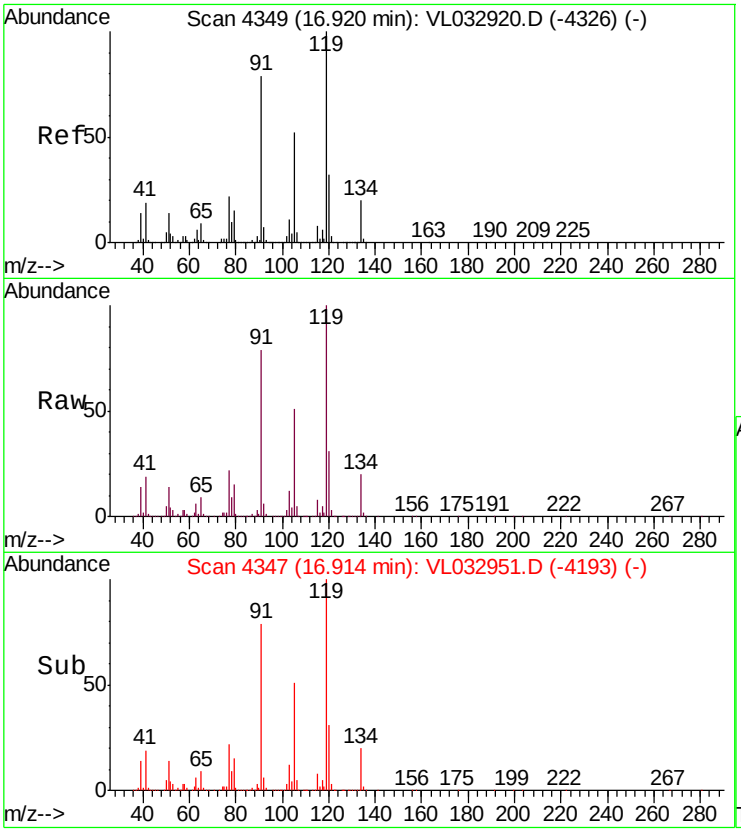


#64
n-propylbenzene
Concen: 8.766 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:120 Resp: 1333689

Ion	Ratio	Lower	Upper
120	100		
91	467.9	380.4	570.6



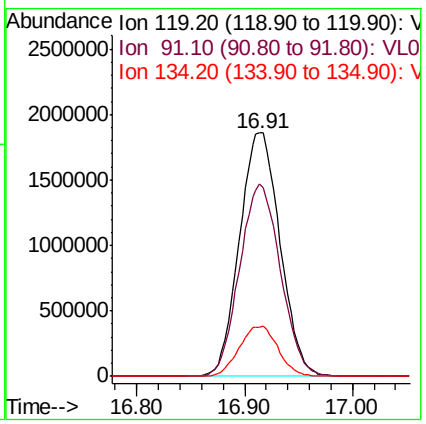


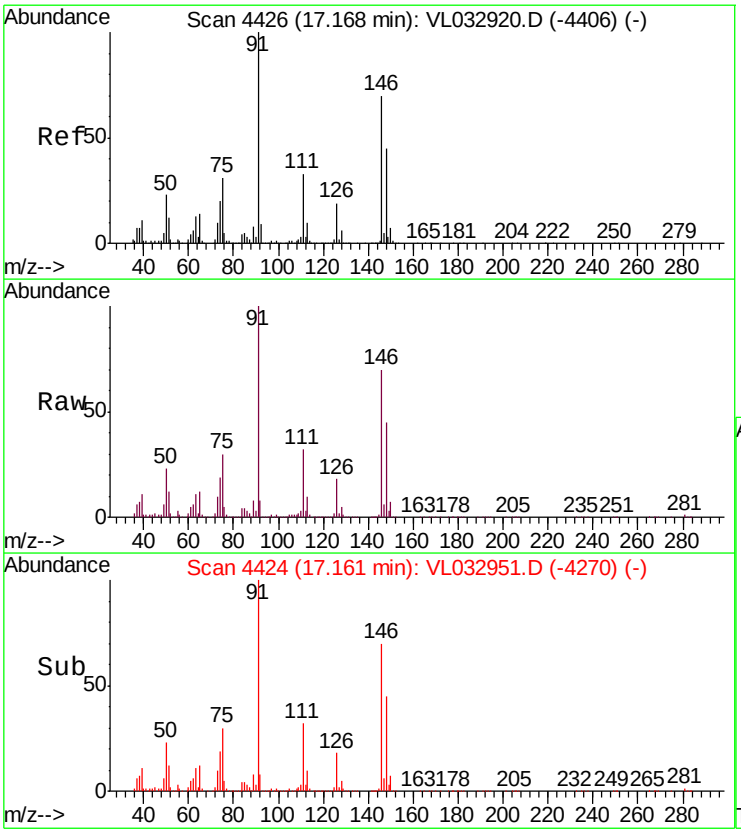
#65
tert-Butylbenzene
Concen: 8.947 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 4858212

Ion	Ratio	Lower	Upper
119	100		
91	79.6	64.5	96.7
134	19.7	15.7	23.5

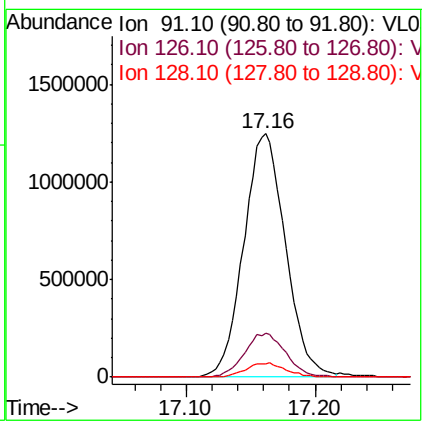


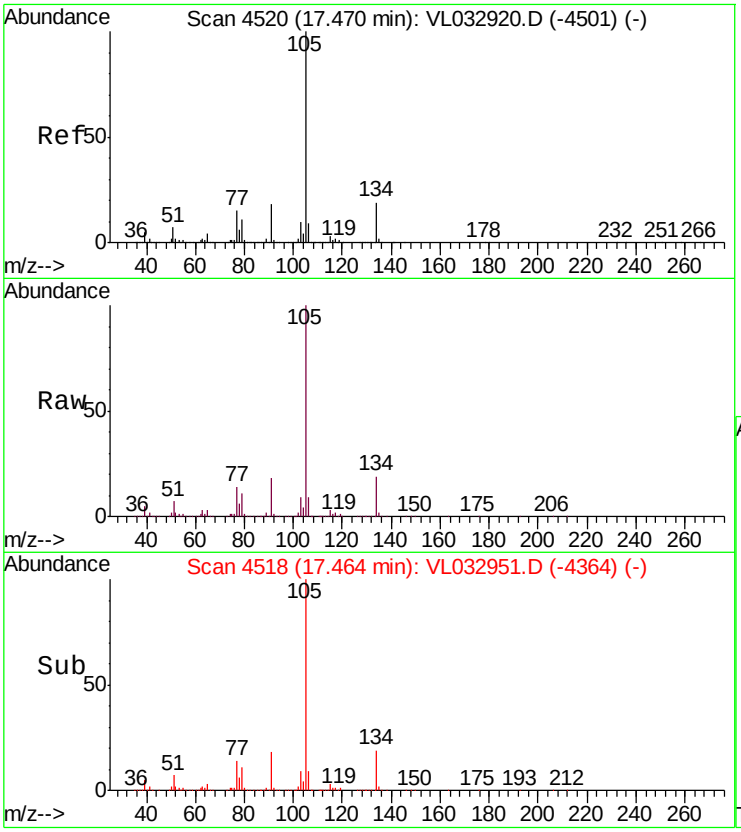


#66
Benzyl Chloride
Concen: 9.324 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 91 Resp: 2806149

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.1	21.1
128	5.7	4.5	6.7



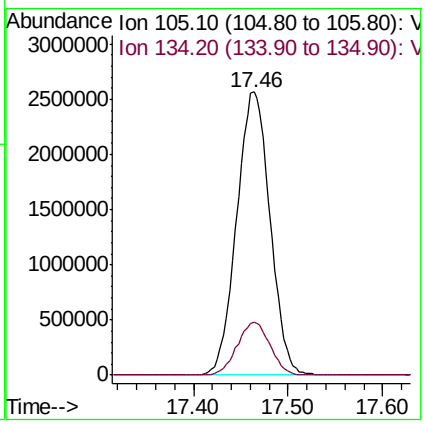


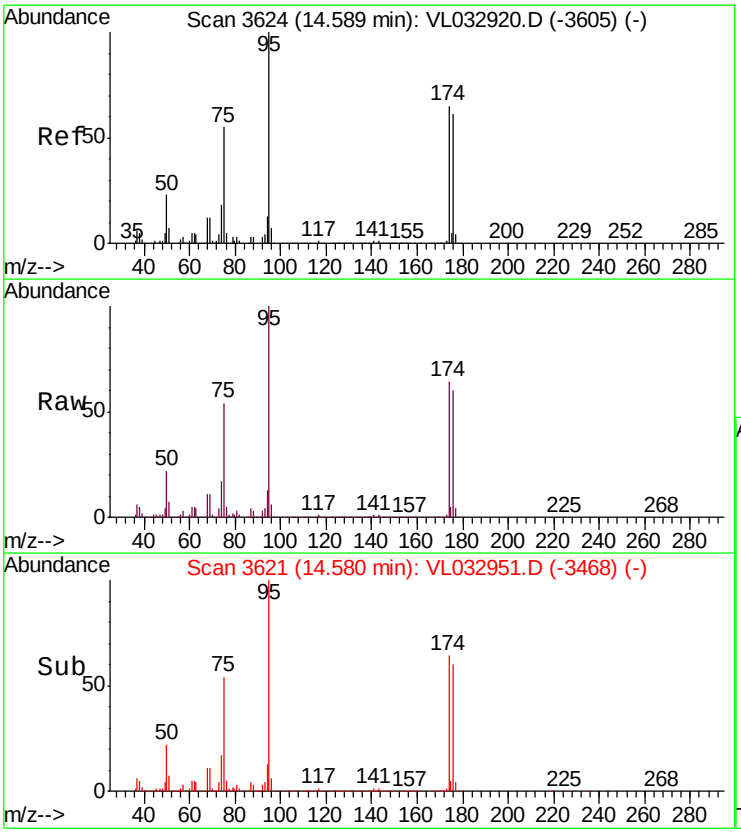
#67
sec-Butylbenzene
Concen: 7.833 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 6271349

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.6	21.8

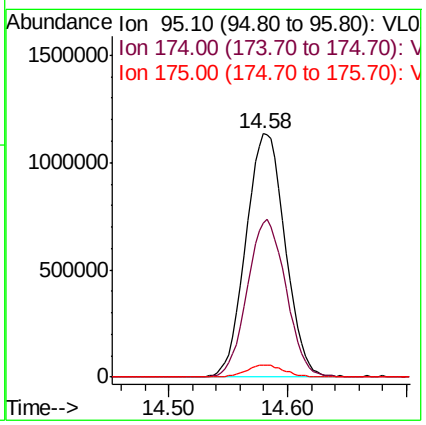


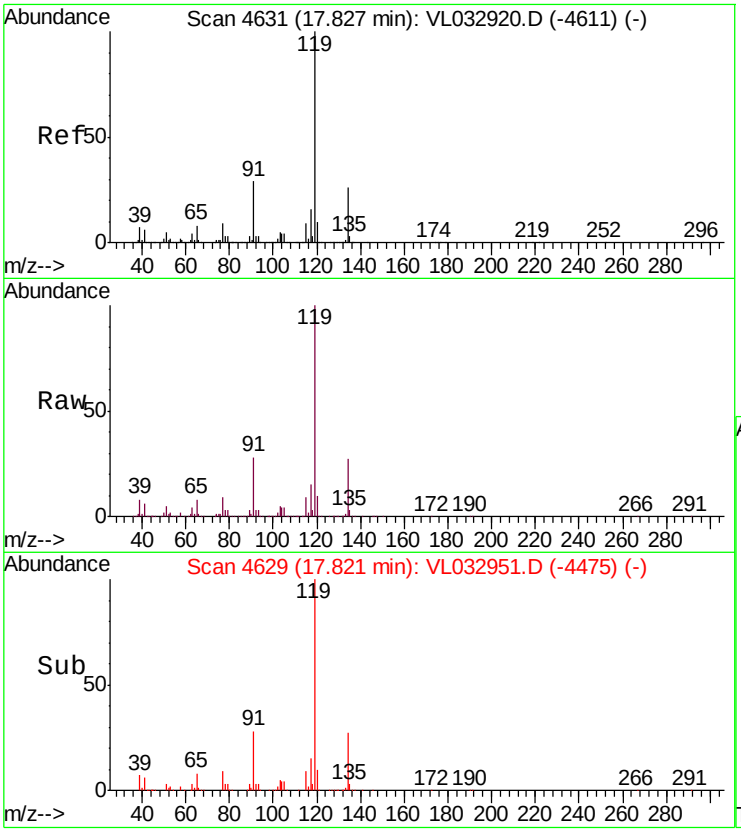


#68
1-Bromo-4-Fluorobenzene
Concen: 8.153 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 95 Resp: 2589078

Ion	Ratio	Lower	Upper
95	100		
174	64.2	51.4	77.0
175	4.8	3.8	5.6



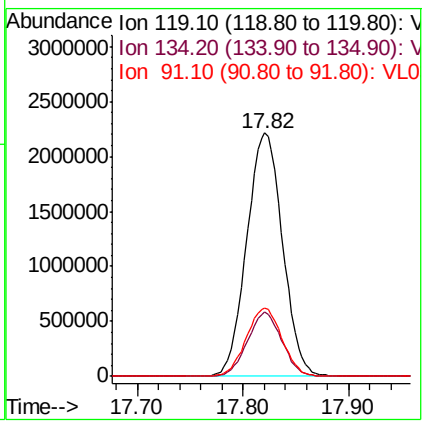


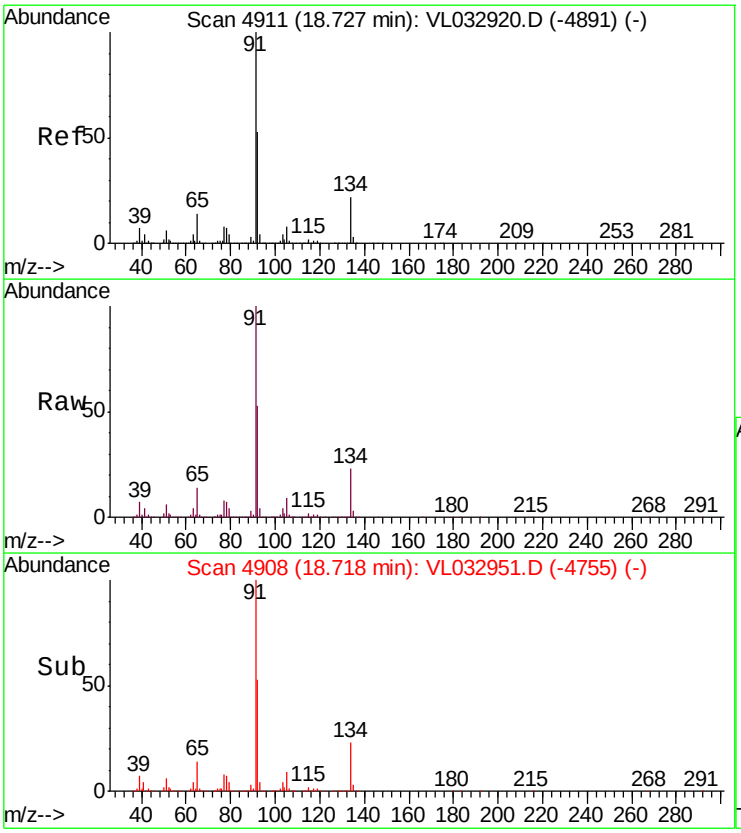
#69
p-Isopropyltoluene
Concen: 8.078 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 5241147

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.2
91	28.1	22.9	34.3

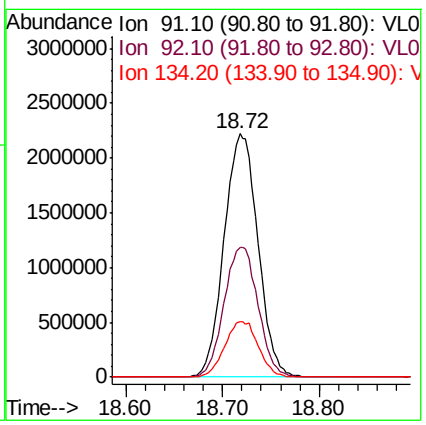


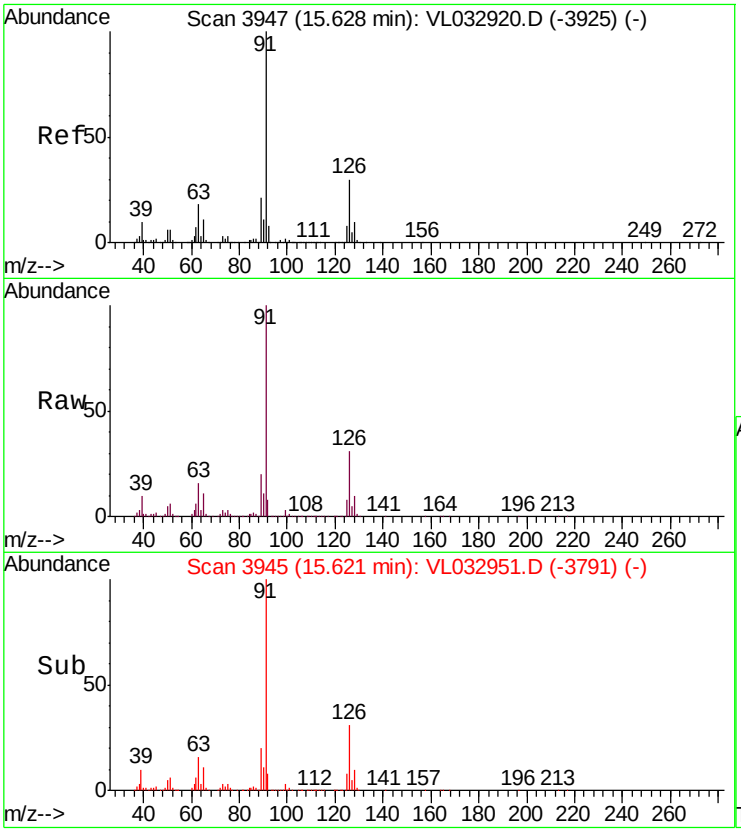


#70
n-Butylbenzene
Concen: 9.027 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion: 91 Resp: 5388213

Ion	Ratio	Lower	Upper
91	100		
92	53.8	42.7	64.1
134	22.6	18.0	27.0



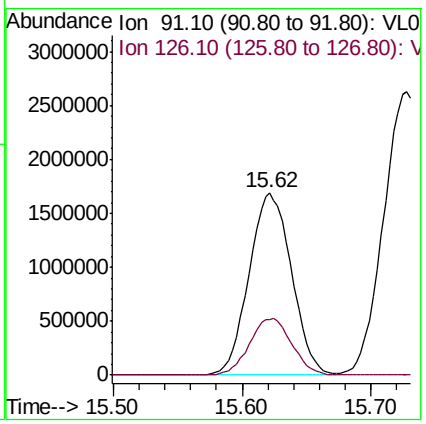


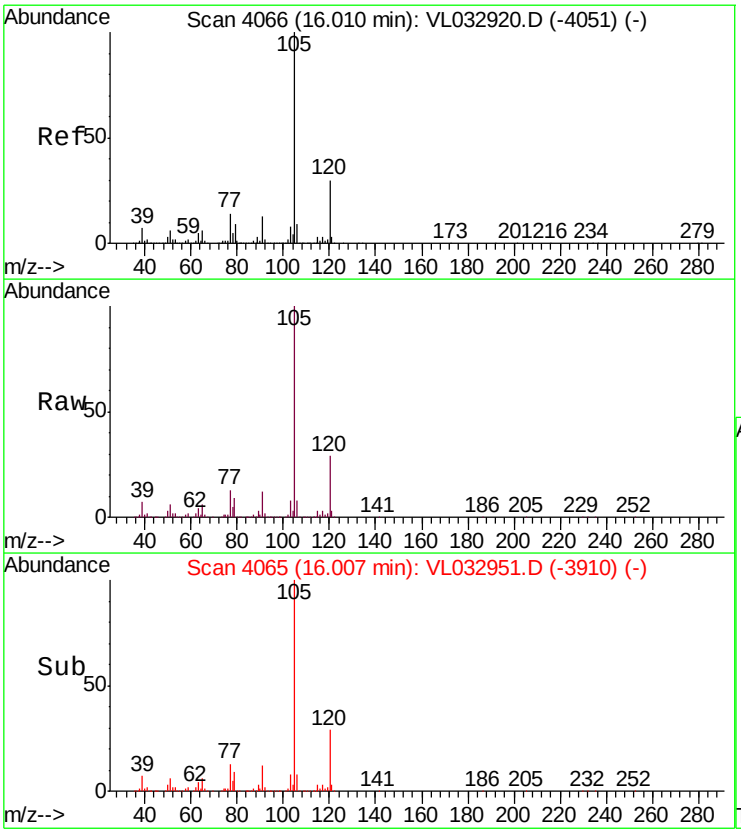
#71
2-Chlorotoluene
Concen: 8.888 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 3871586

Ion	Ratio	Lower	Upper
91	100		
126	31.0	12.3	49.3

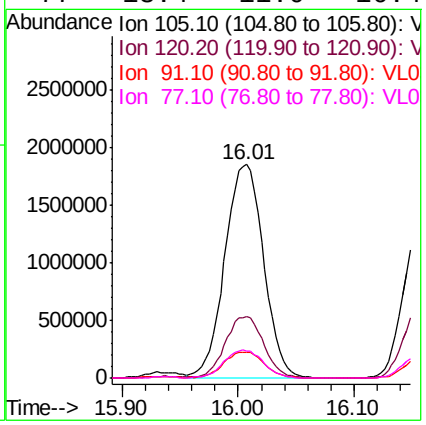


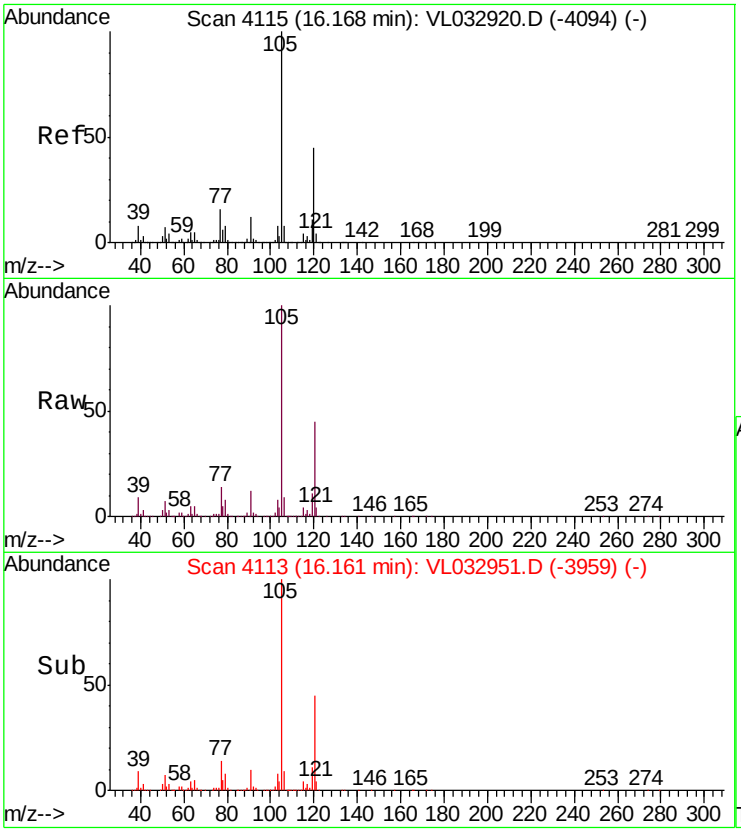


#72
4-Ethyltoluene
Concen: 9.167 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:105 Resp: 4296371

Ion	Ratio	Lower	Upper
105	100		
120	28.6	23.0	34.4
91	12.6	10.4	15.6
77	13.4	11.0	16.4



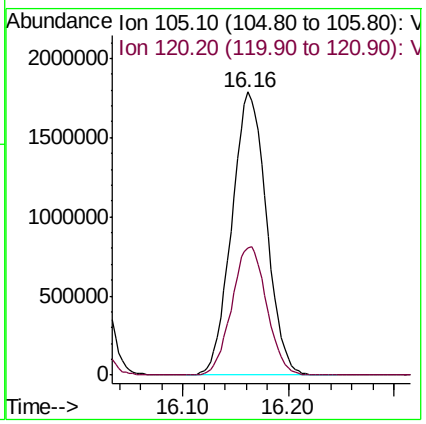


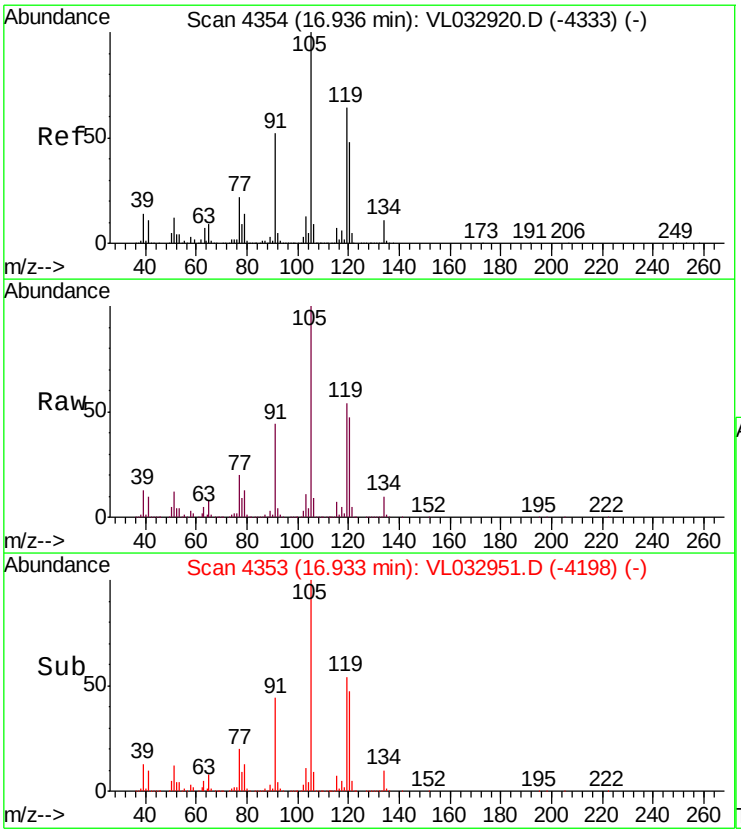
#73
1,3,5-Trimethylbenzene
Concen: 8.857 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 4052852

Ion	Ratio	Lower	Upper
105	100		
120	44.8	36.0	54.0

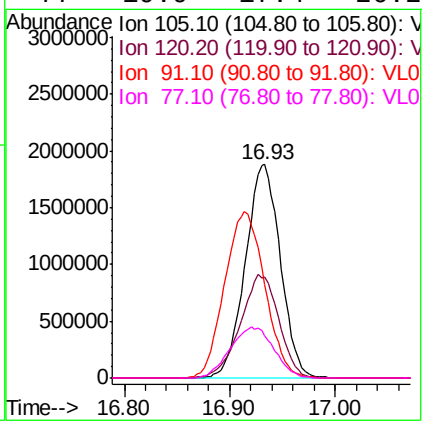


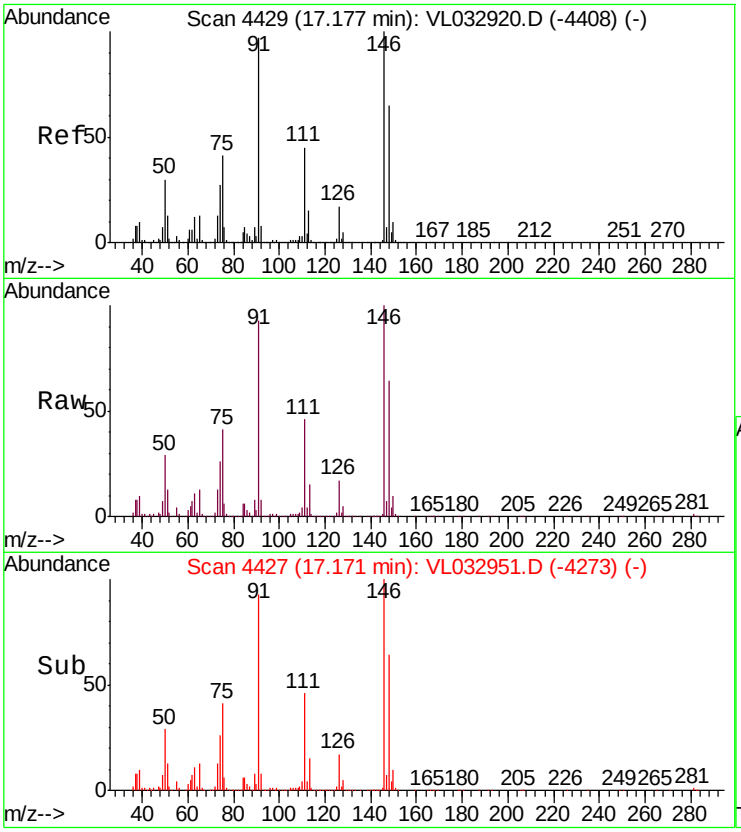


#74
1,2,4-Trimethylbenzene
Concen: 8.428 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:105 Resp: 4354388

Ion	Ratio	Lower	Upper
105	100		
120	47.1	38.6	58.0
91	43.5	41.7	62.5
77	19.9	17.4	26.2



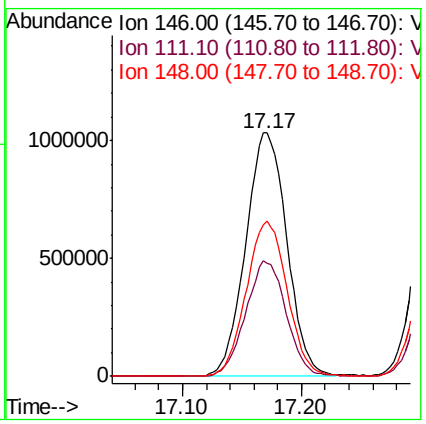


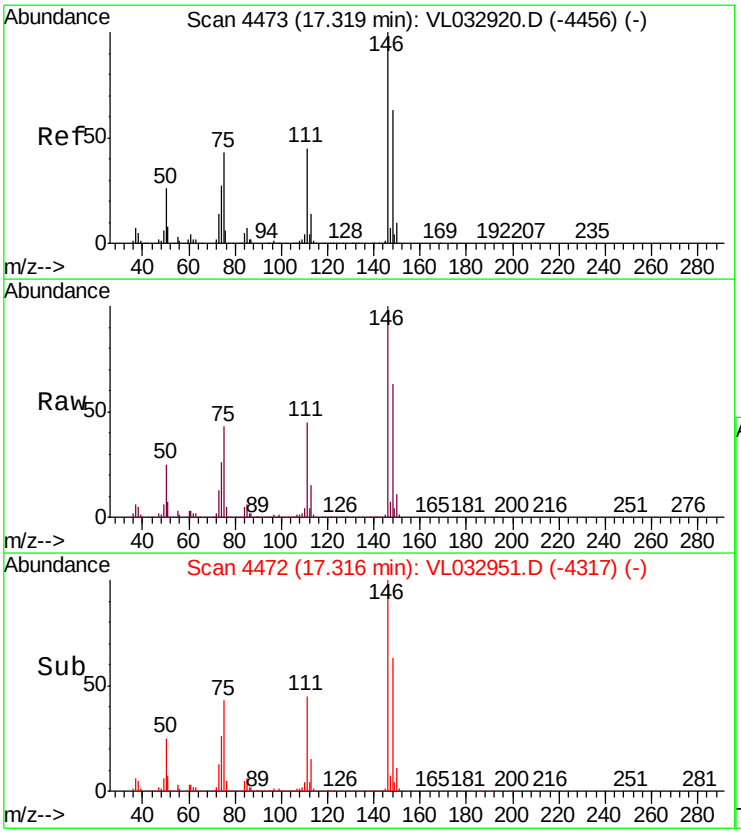
#75
1,3-Dichlorobenzene
Concen: 8.135 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 2474997

Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.6	70.8
148	63.5	32.1	96.3

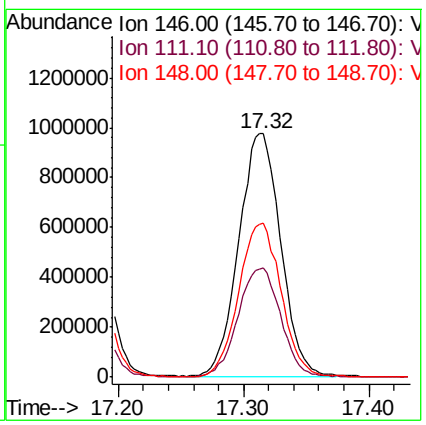


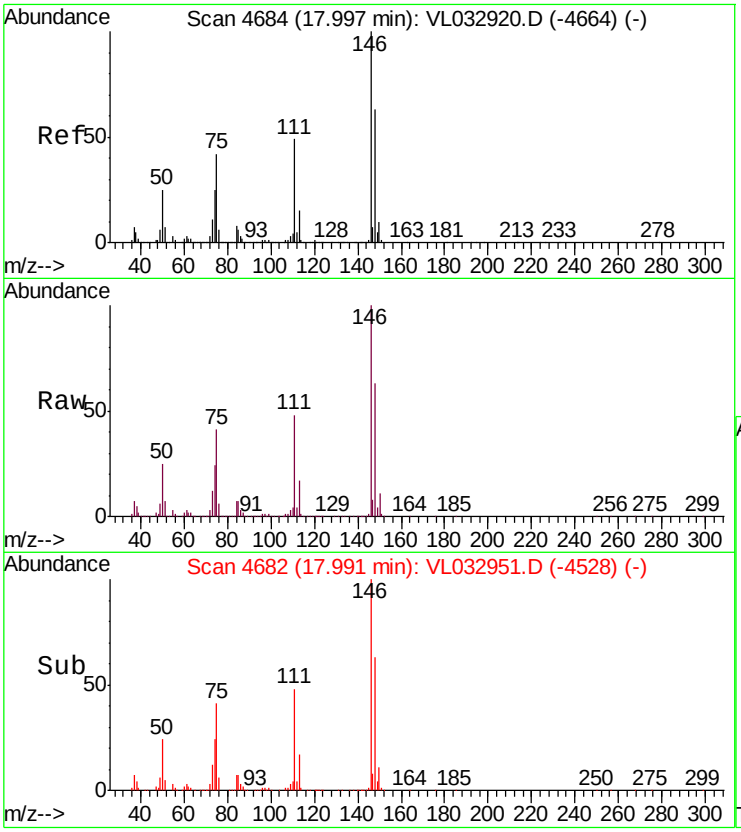


#76
1,4-Dichlorobenzene
Concen: 7.954 ppbv
RT: 17.32 min Scan# 4472
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:146 Resp: 2258251

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.8	68.4
148	64.5	32.0	96.2



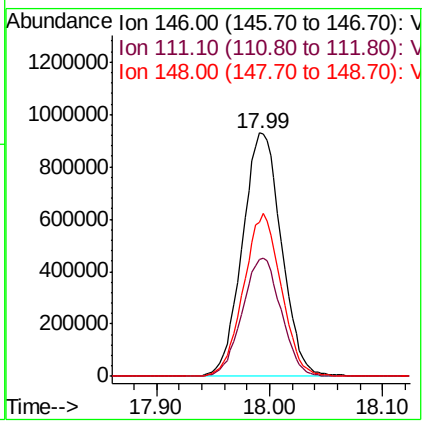


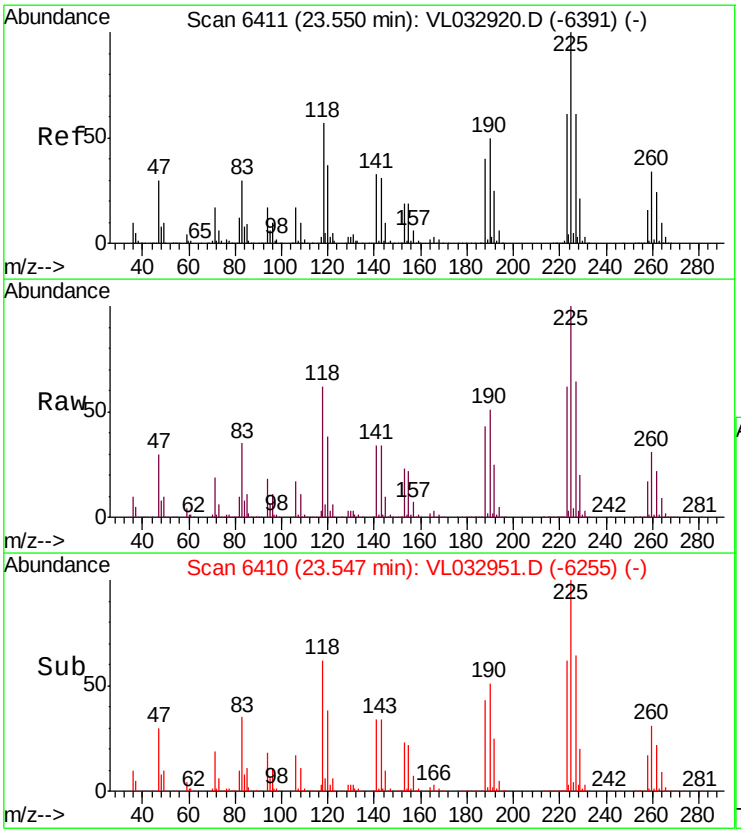
#77
1,2-Dichlorobenzene
Concen: 7.847 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 2229567

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.3	72.9
148	64.6	32.0	96.2

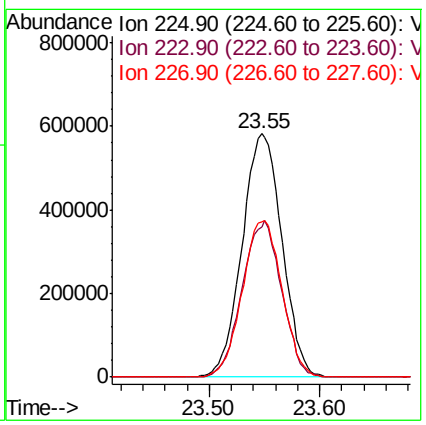


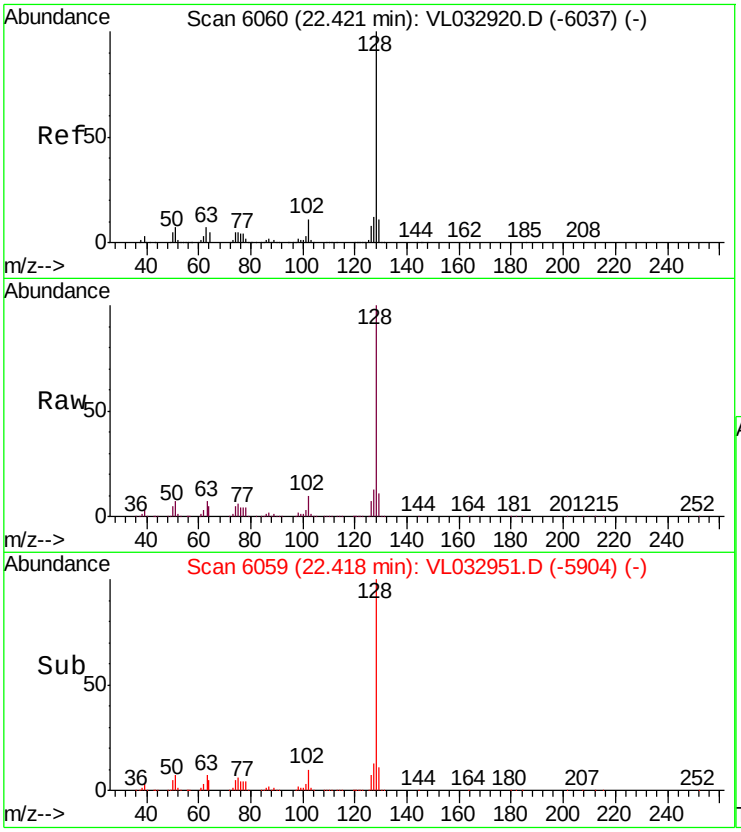


#78
Hexachloro-1,3-Butadiene
Concen: 9.329 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:225 Resp: 1457644

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	75.8
227	64.1	50.4	75.6



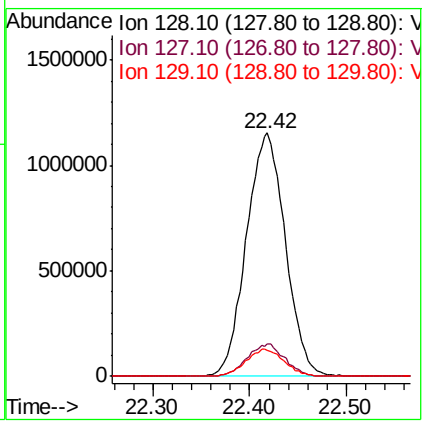


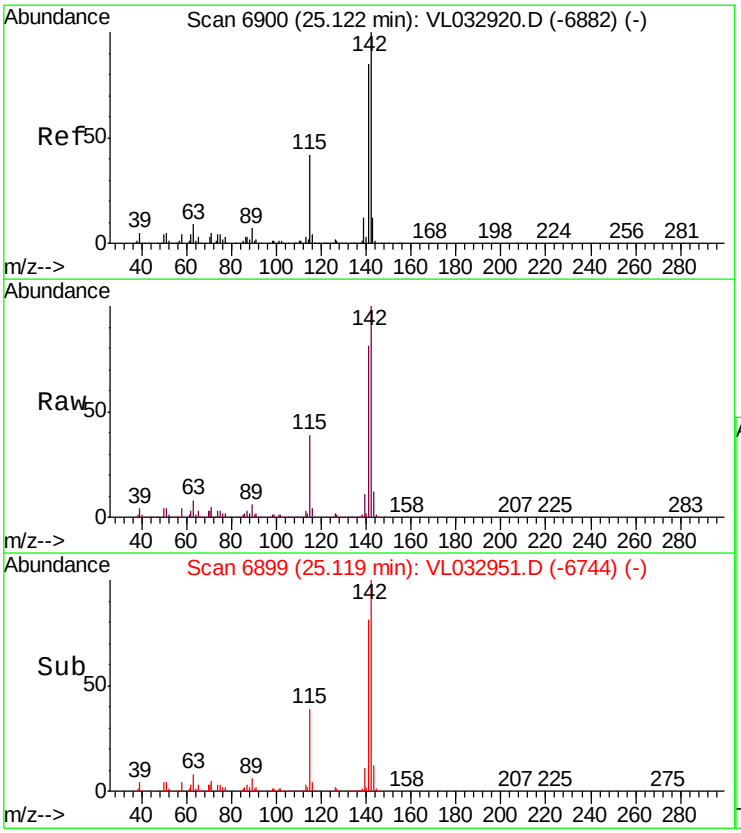
#79
Naphthalene
Concen: 9.652 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3219979

Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.9	14.9
129	10.8	8.6	13.0

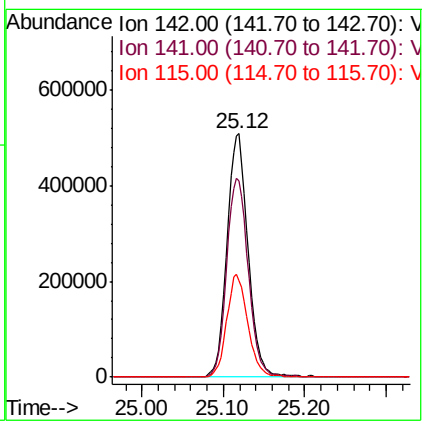


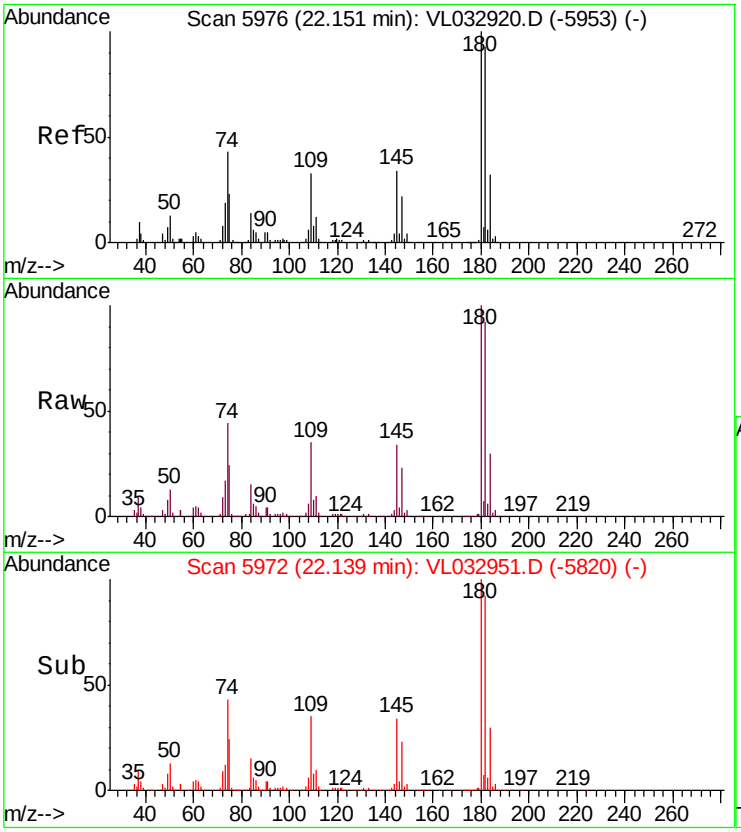


#80
Naphthalene,2-methyl-
Concen: 13.029 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Tgt Ion:142 Resp: 928649

Ion	Ratio	Lower	Upper
142	100		
141	84.3	68.2	102.2
115	42.3	35.1	52.7





#81
1,2,4-Trichlorobenzene
Concen: 8.967 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.01 min
Lab File: VL032951.D
Acq: 8 Dec 2018 2:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1586555

Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.0	115.6
184	30.6	24.3	36.5