Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
Data File : VL033172.D
Acq On : 6 Feb 2019 3:46
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
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2/20/2019 12:22:05 PM

Quant Time: Feb 20 05:53:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 2
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1104792	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2589140	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2636916	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2066402	10.05	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	108537	0.514	ppbv		94
3) Chlorodifluoromethane	3.01	51	64914	0.488	ppbv		99
4) Chloromethane	3.17	50	34503	0.491	ppbv		90
5) Vinyl Chloride	3.29	62	32772	0.446	ppbv		98
6) Bromomethane	3.52	94	18714	0.464	ppbv		86
7) Chloroethane	3.60	64	11151	0.465	ppbv		98
8) Dichlorotetrafluoroethane	3.22	85	84169	0.510	ppbv		99
9) Propene	3.04	41	32645	0.508	ppbv		98
10) Heptane	8.24	43	97279	0.500	ppbv		97
11) Trichlorofluoromethane	4.01	101	82606	0.483	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	59935	0.506	ppbv		97
13) Ethanol	3.66	45	14448m	0.674	ppbv		
14) Bromoethene	3.79	108	23986	0.469	ppbv		97
15) Acetone	3.91	43	64053	0.515	ppbv		98
16) 1,3-Butadiene	3.36	39	28359	0.480	ppbv		99
17) tert-Butyl alcohol	4.38	59	12088m	0.509	ppbv		
18) 1,1-Dichloroethene	4.35	96	26357	0.497	ppbv	#	87
19) Isopropyl Alcohol	4.04	45	47005	0.557	ppbv	#	99
20) Methylene Chloride	4.41	84	26836	0.542	ppbv	#	88
21) Allyl Chloride	4.48	41	37404	0.455	ppbv		90
22) trans-1,2-Dichloroethene	4.97	96	24398	0.474	ppbv		99
23) Vinyl Acetate	5.16	43	109431	0.507	ppbv	#	98
24) 1,1-Dichloroethane	5.09	63	79548	0.521	ppbv		99
25) Ethyl Acetate	5.78	43	151980	0.543	ppbv		99
26) Hexane	5.78	57	73535	0.560	ppbv		97
27) Carbon Disulfide	4.62	76	50060	0.416	ppbv	#	77
28) Methyl tert-Butyl Ether	5.12	73	89296	0.497	ppbv		98
29) Chloroform	5.85	83	105776	0.525	ppbv		99
30) Cyclohexane	7.25	84	56828	0.466	ppbv		94
31) cis-1,2-Dichloroethene	5.64	61	69916	0.532	ppbv		96
32) 1,1,1-Trichloroethane	6.62	97	95701	0.432	ppbv		94
34) 2-Butanone	5.34	43	98566	0.600	ppbv		99
35) Carbon Tetrachloride	7.14	117	92619	0.468	ppbv		97
36) Benzene	7.00	78	143752	0.548	ppbv		96
37) 1,2-Dichloroethane	6.41	62	80323	0.552	ppbv		99
38) Trichloroethene	7.96	130	54598m	0.486	ppbv		
39) 1,2-Dichloropropane	7.73	63	57526	0.555	ppbv		91
40) 1,4-Dioxane	8.00	88	21575m	0.573	ppbv		
41) Tetrahydrofuran	6.17	42	54191	0.533	ppbv		97
42) Bromodichloromethane	7.91	83	110059	0.522	ppbv	#	94
43) Methyl Methacrylate	8.15	69	55458m	0.526	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
Data File : VL033172.D
Acq On : 6 Feb 2019 3:46
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 05:53:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 2
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	249808	0.562	ppbv		98
45) t-1,3-Dichloropropene	9.42	75	49101m	0.420	ppbv		
46) cis-1,3-Dichloropropene	8.84	75	74276	0.498	ppbv	#	89
47) 1,1,2-Trichloroethane	9.62	97	61286m	0.570	ppbv		
48) Dibromochloromethane	10.45	129	81771	0.483	ppbv		98
49) Bromoform	13.20	173	68140	0.468	ppbv		100
50) 4-Methyl-2-Pentanone	8.89	43	141520m	0.537	ppbv		
51) 2-Hexanone	10.29	43	106820	0.514	ppbv	#	98
52) Tetrachloroethene	11.38	164	51762m	0.513	ppbv		
53) Toluene	9.95	91	169093	0.544	ppbv		100
54) 1,2-Dibromoethane	10.76	107	90691	0.538	ppbv		94
56) 1,1,1,2-Tetrachloroethane	12.28	131	65448	0.533	ppbv	#	1
57) Chlorobenzene	12.30	112	132803m	0.569	ppbv		
58) Ethyl Benzene	12.87	91	231932	0.536	ppbv		94
59) m/p-Xylene	13.15	91	394703m	1.096	ppbv		
60) o-Xylene	13.85	91	196625	0.560	ppbv		100
61) Styrene	13.69	104	136786	0.516	ppbv		97
62) Isopropylbenzene	14.83	105	272346	0.550	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	139182	0.507	ppbv		99
64) n-propylbenzene	15.72	120	67152	0.533	ppbv		91
65) tert-Butylbenzene	16.91	119	232843	0.540	ppbv		96
66) Benzyl Chloride	17.16	91	51813m	0.336	ppbv		
67) sec-Butylbenzene	17.46	105	331884	0.530	ppbv		98
69) p-Isopropyltoluene	17.82	119	279982	0.537	ppbv		98
70) n-Butylbenzene	18.72	91	298852	0.531	ppbv		97
71) 2-Chlorotoluene	15.62	91	210401m	0.540	ppbv		
72) 4-Ethyltoluene	16.00	105	211050	0.521	ppbv		98
73) 1,3,5-Trimethylbenzene	16.15	105	205948m	0.532	ppbv		
74) 1,2,4-Trimethylbenzene	16.93	105	219739	0.547	ppbv		93
75) 1,3-Dichlorobenzene	17.17	146	128222m	0.553	ppbv		
76) 1,4-Dichlorobenzene	17.31	146	122561	0.534	ppbv		95
77) 1,2-Dichlorobenzene	17.99	146	122888	0.537	ppbv		98
78) Hexachloro-1,3-Butadiene	23.55	225	61269	0.538	ppbv		98
79) Naphthalene	22.42	128	224760	0.521	ppbv	#	93
80) Naphthalene,2-methyl-	25.12	142	110407	0.506	ppbv		98
81) 1,2,4-Trichlorobenzene	22.14	180	121808	0.555	ppbv		98

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

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Data File : VL033172.D
Acq On : 6 Feb 2019 3:46
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 05:53:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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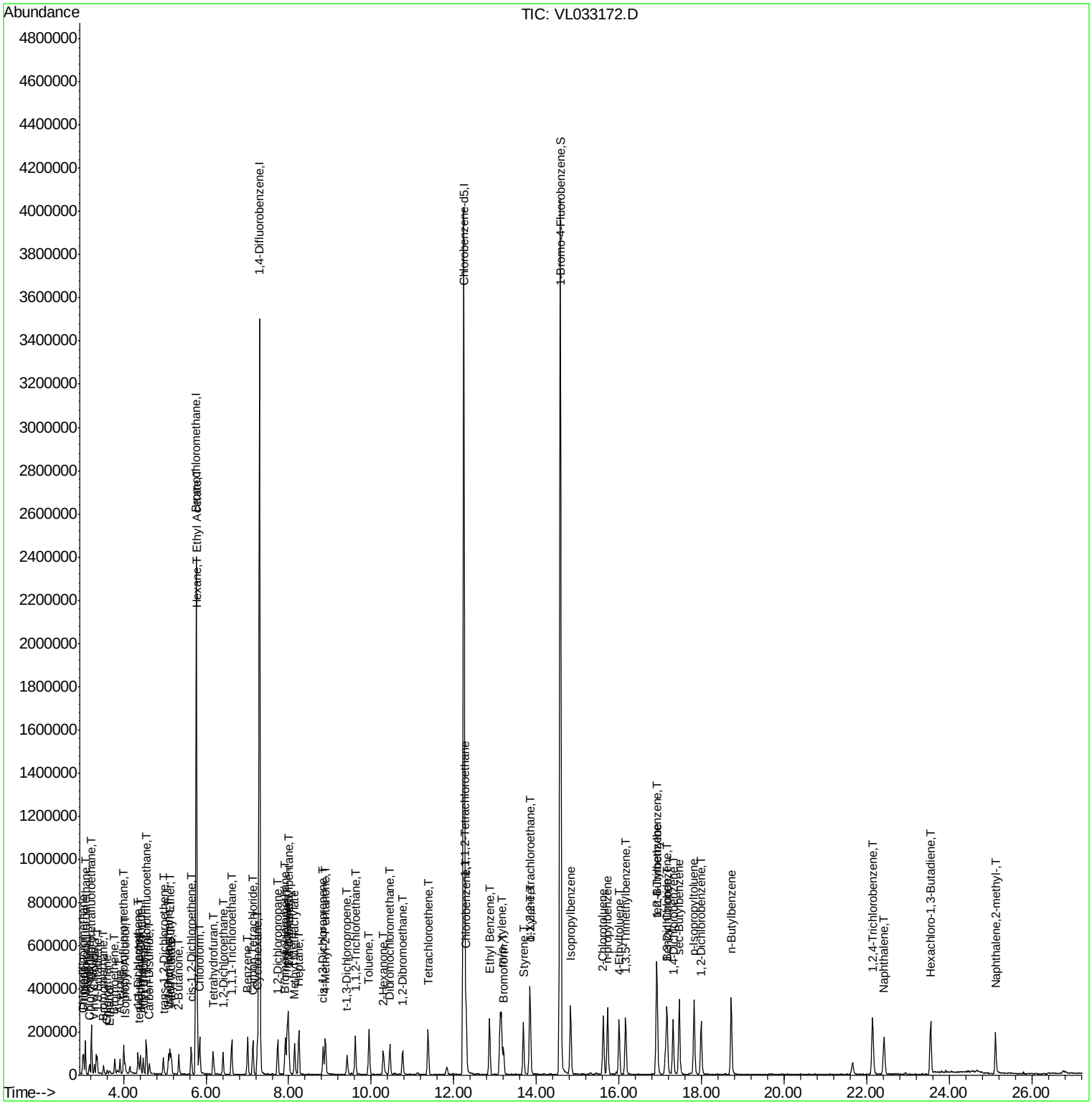
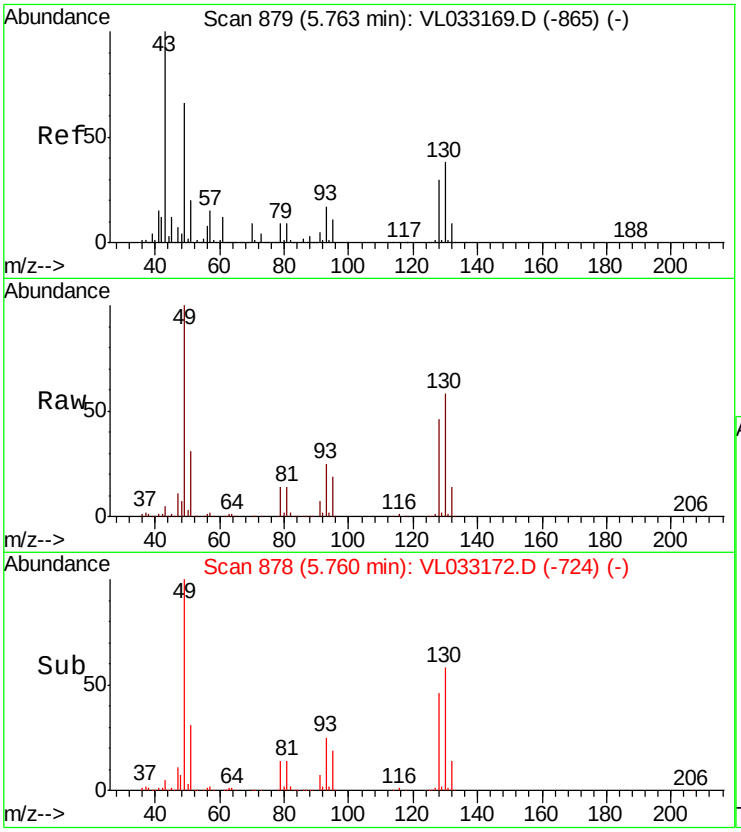
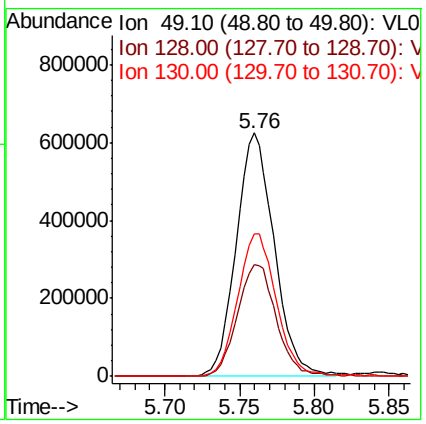




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 49 Resp: 1104792

Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.6	71.0
130	60.3	30.3	91.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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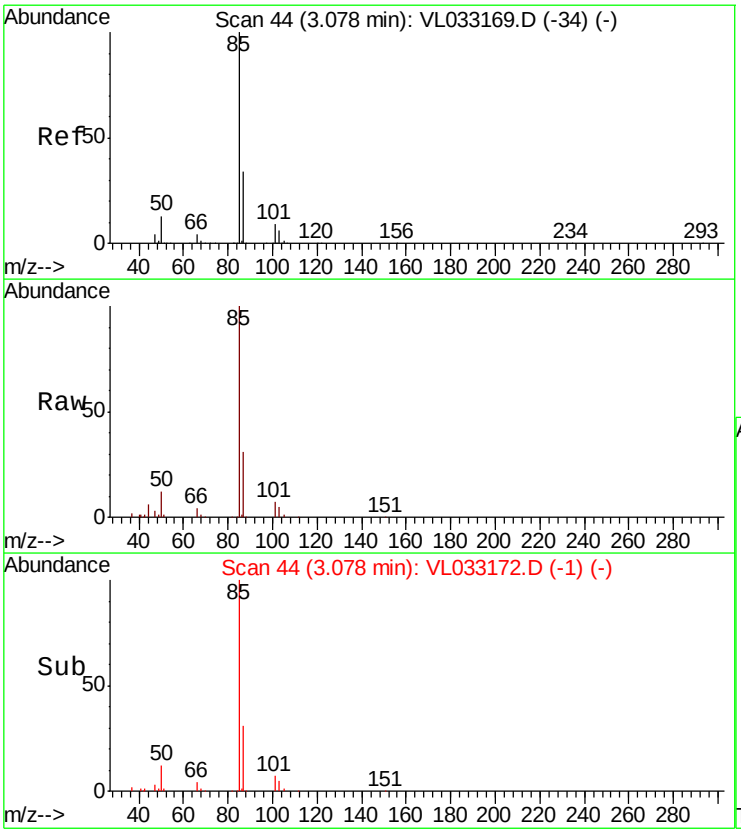
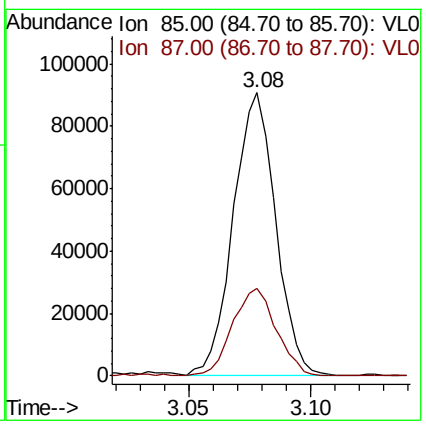
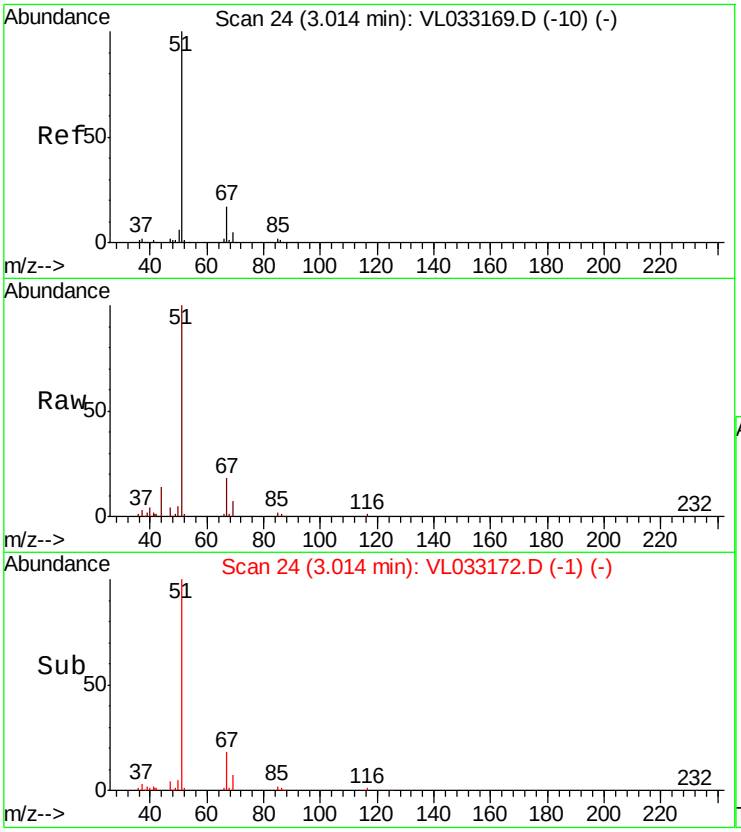


#2
Dichlorodifluoromethane
Concen: 0.514 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 85 Resp: 108537

Ion	Ratio	Lower	Upper
85	100		
87	30.9	27.4	41.2

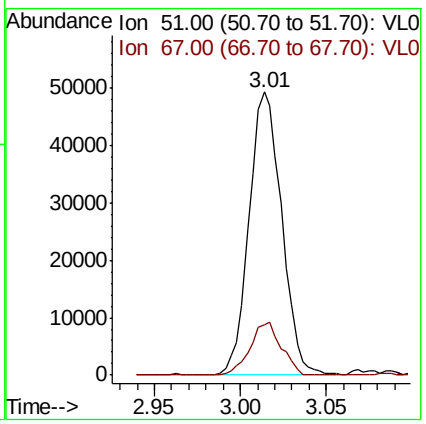




#3
Chlorodifluoromethane
Concen: 0.488 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 51 Resp: 64914

Ion	Ratio	Lower	Upper
51	100		
67	17.9	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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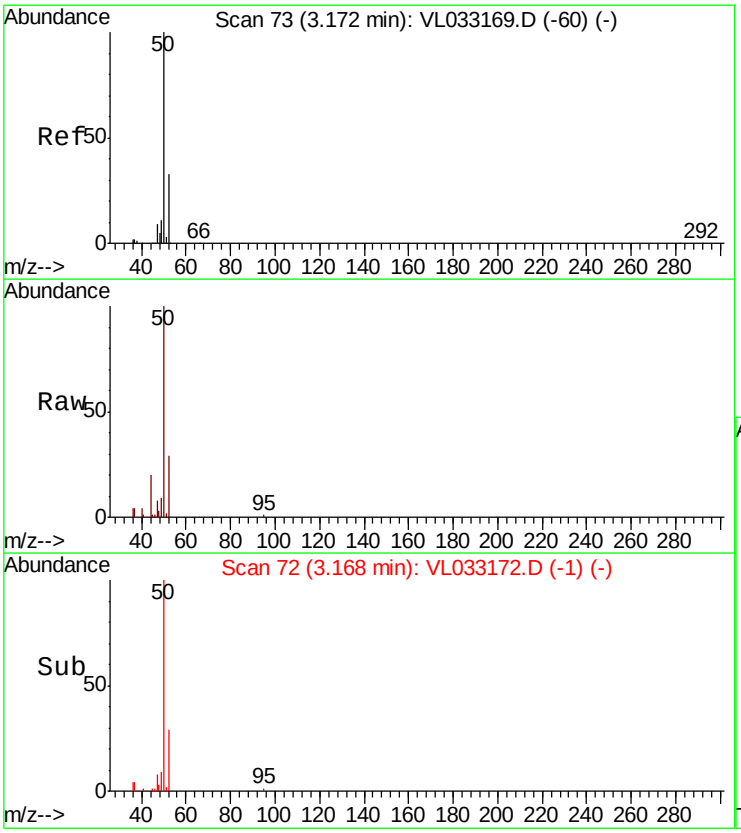
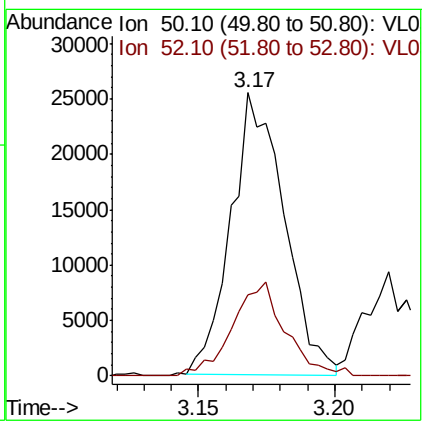
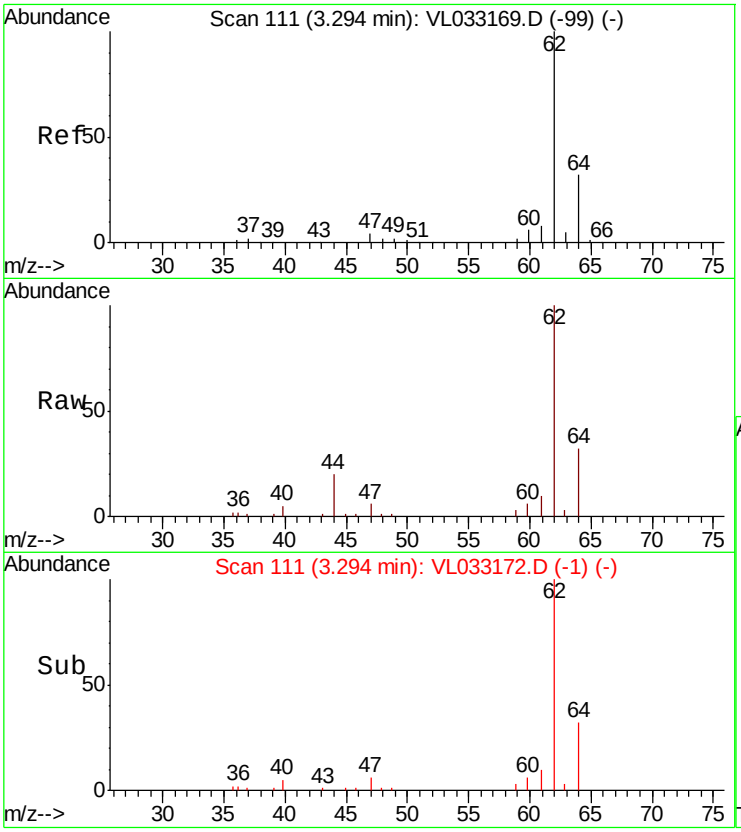


#4
Chloromethane
Concen: 0.491 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 50 Resp: 34503

Ion	Ratio	Lower	Upper
50	100		
52	27.6	26.5	39.7





#5
Vinyl Chloride
Concen: 0.446 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 62 Resp: 32772

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.6	38.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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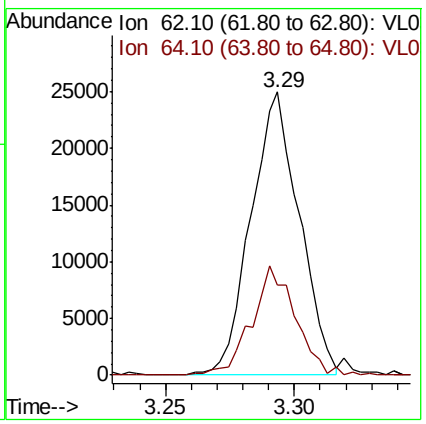
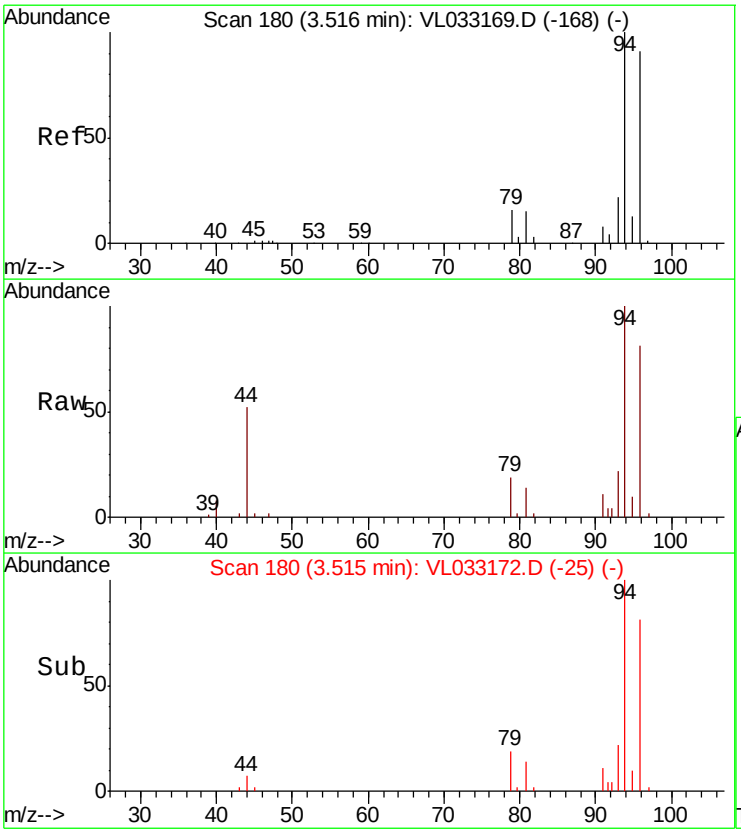
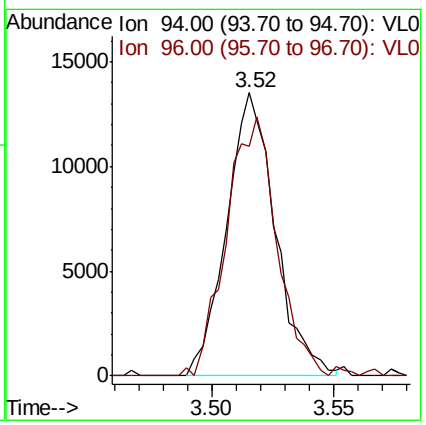


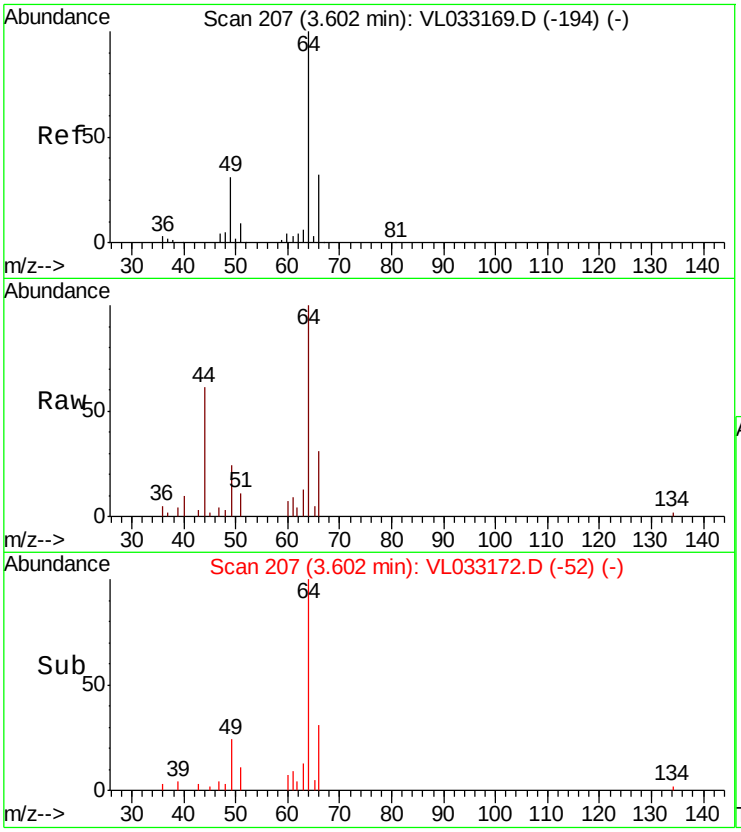


#6
Bromomethane
Concen: 0.464 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 94 Resp: 18714

Ion	Ratio	Lower	Upper
94	100		
96	78.5	73.2	109.8

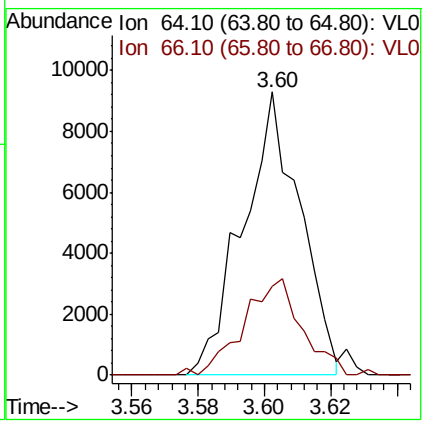




#7
Chloroethane
Concen: 0.465 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 64 Resp: 11151

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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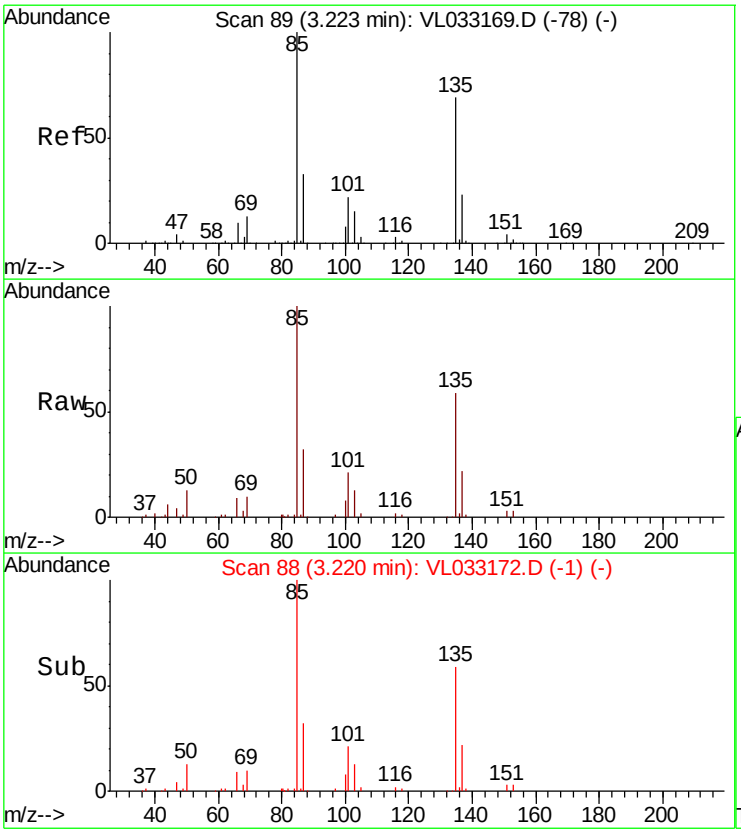
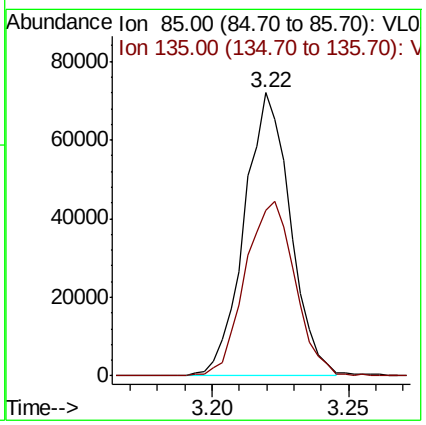
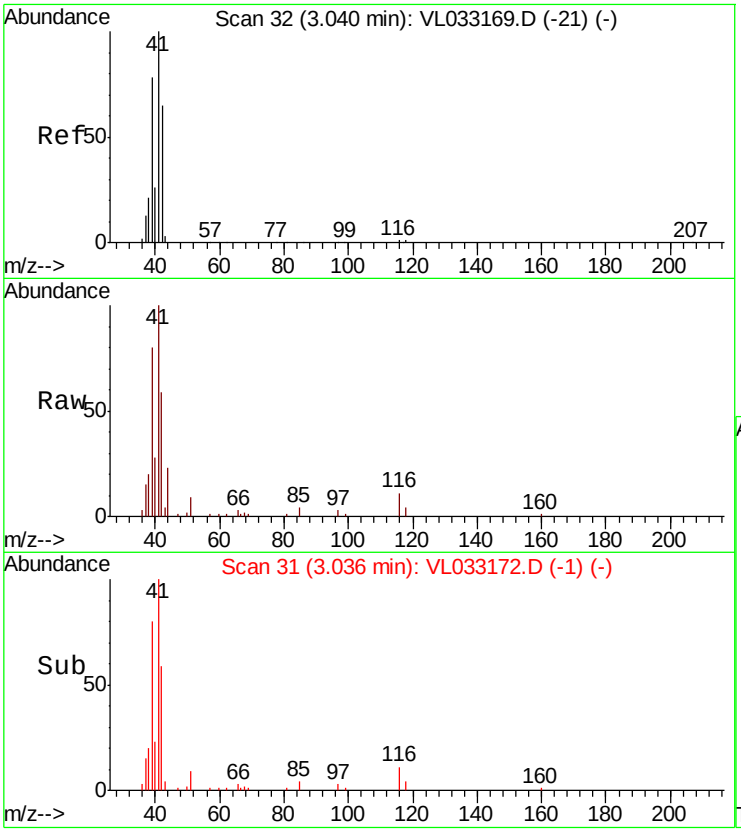


#8
Dichlorotetrafluoroethane
Concen: 0.510 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 85 Resp: 84169

Ion	Ratio	Lower	Upper
85	100		
135	66.8	54.3	81.5





#9
Propene
Concen: 0.508 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 41 Resp: 32645

Ion	Ratio	Lower	Upper
41	100		
42	70.6	55.0	82.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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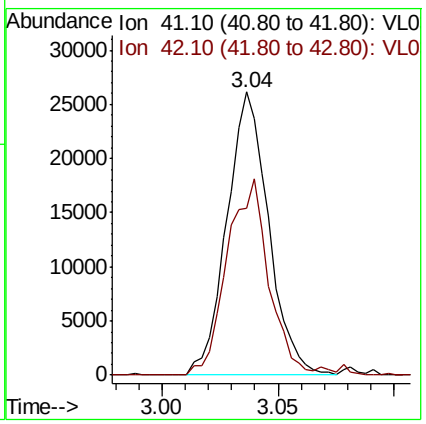
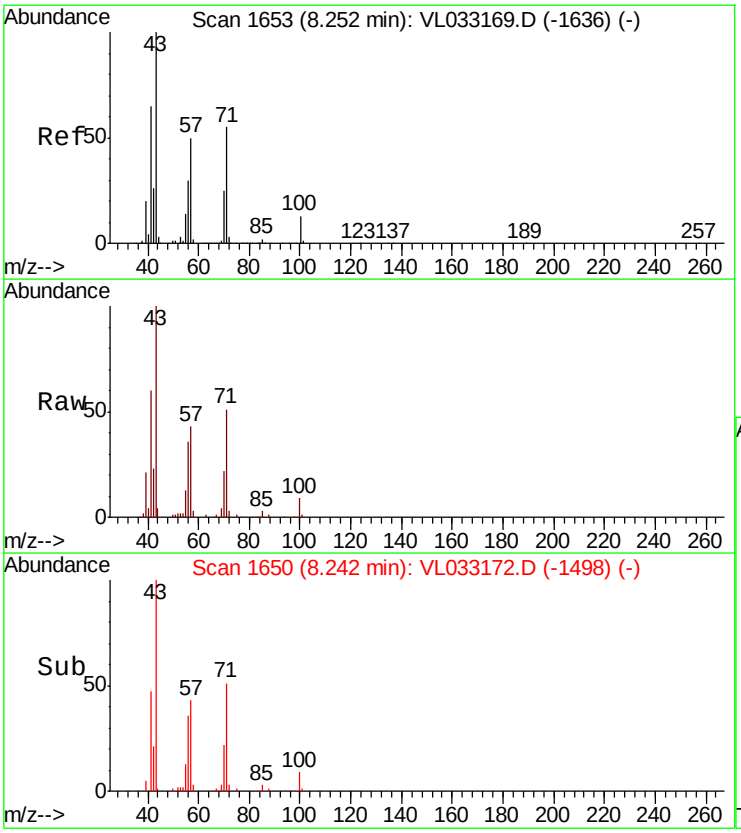
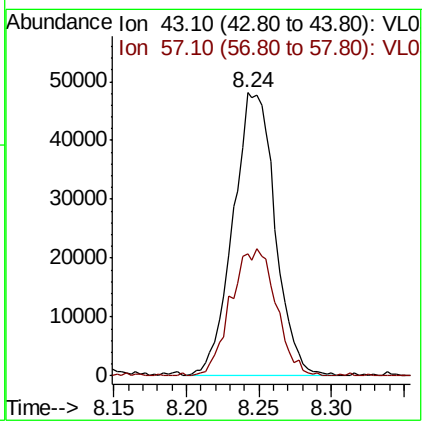


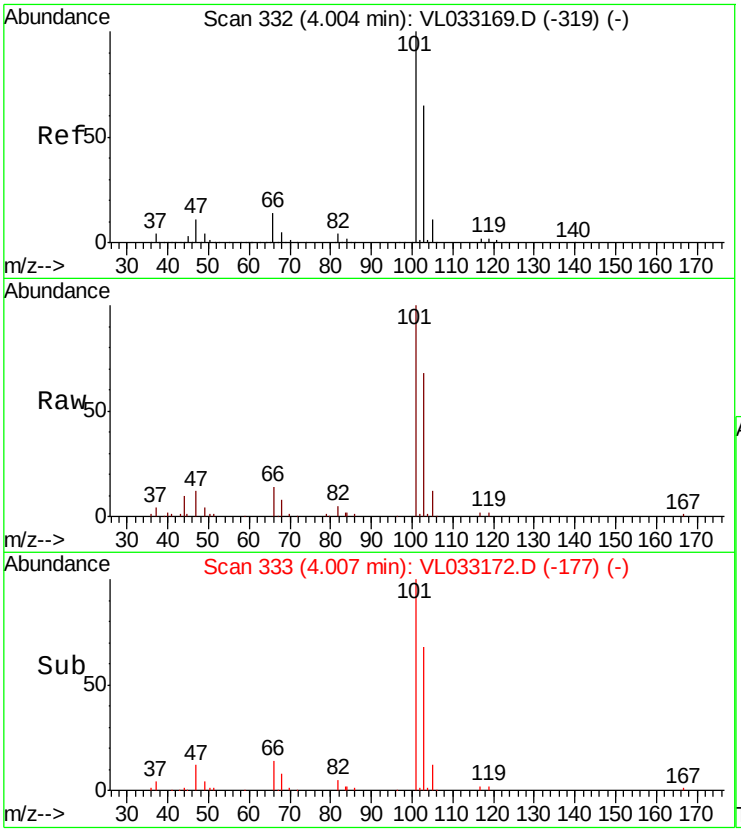


#10
Heptane
Concen: 0.500 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 43 Resp: 97279

Ion	Ratio	Lower	Upper
43	100		
57	47.7	39.5	59.3





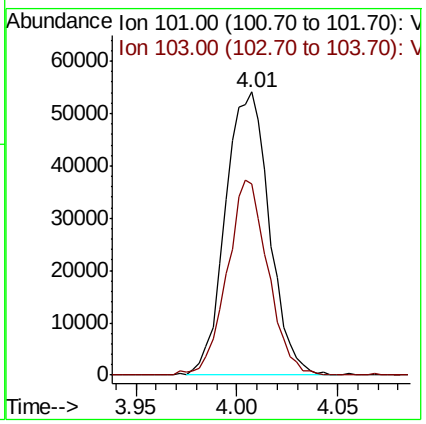
#11
Trichlorofluoromethane
Concen: 0.483 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

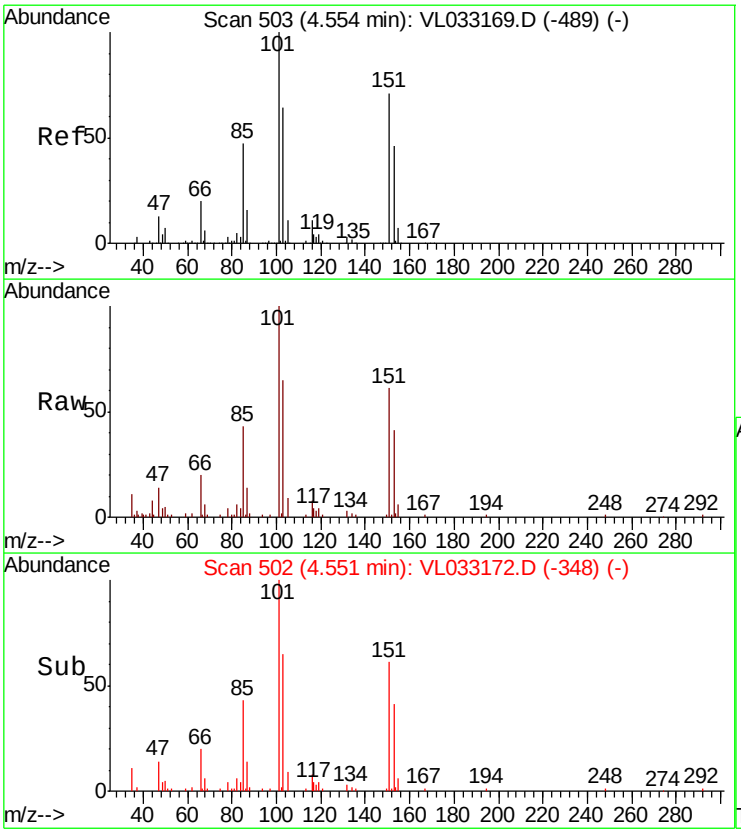
Tgt Ion:101 Resp: 82606

Ion	Ratio	Lower	Upper
101	100		
103	67.5	51.7	77.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
2/20/2019 12:22:05 PM

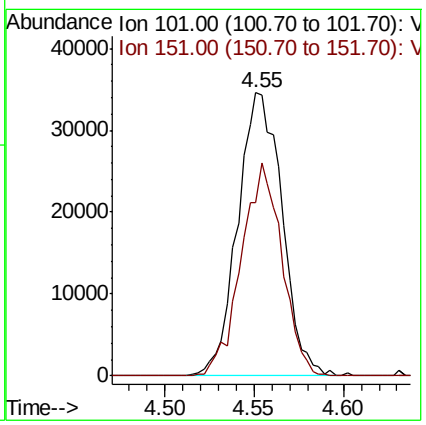


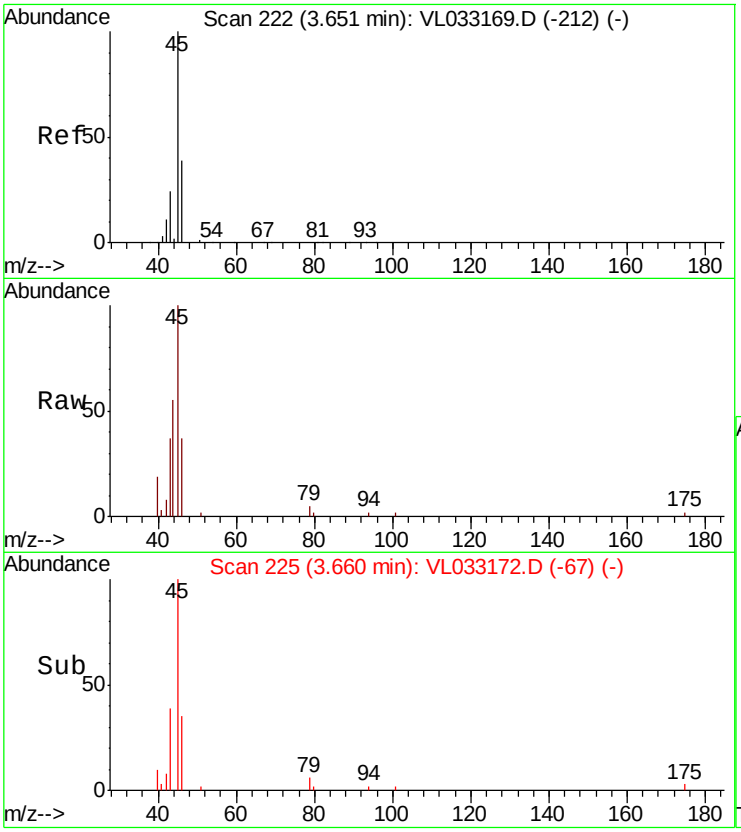


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.506 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:101 Resp: 59935

Ion	Ratio	Lower	Upper
101	100		
151	69.1	57.4	86.0

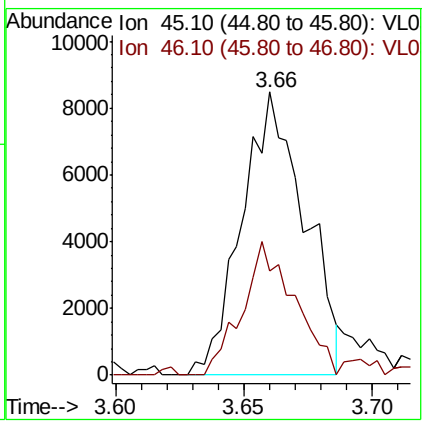




#13
Ethanol
Concen: 0.674 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 45 Resp: 14448

Ion	Ratio	Lower	Upper
45	100		
46	45.0	15.0	60.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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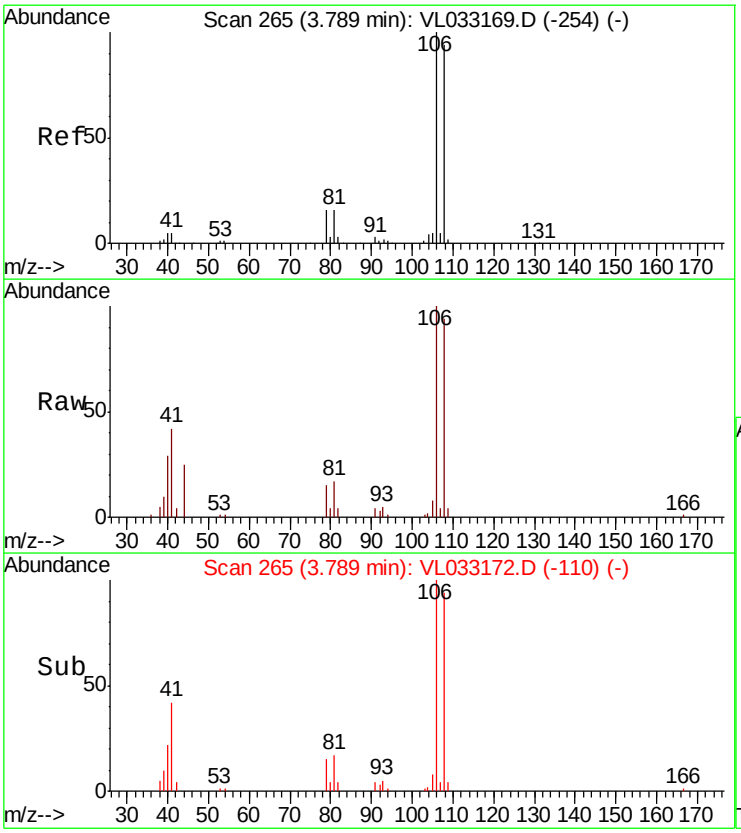
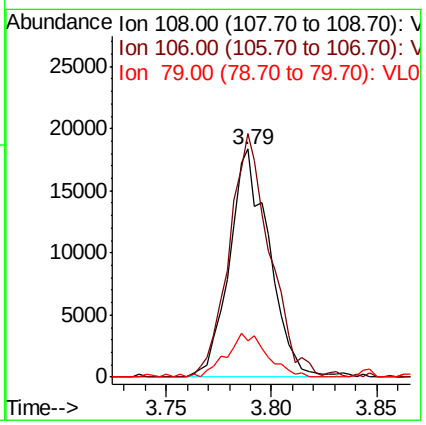
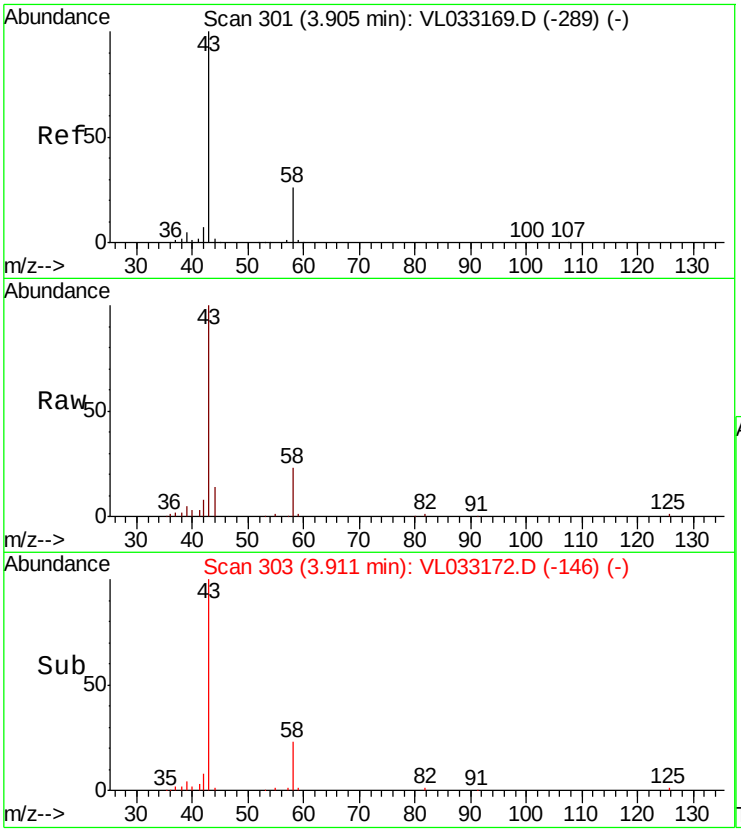


#14
Bromoethene
Concen: 0.469 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:108 Resp: 23986

Ion	Ratio	Lower	Upper
108	100		
106	109.8	86.0	129.0
79	20.1	14.5	21.7

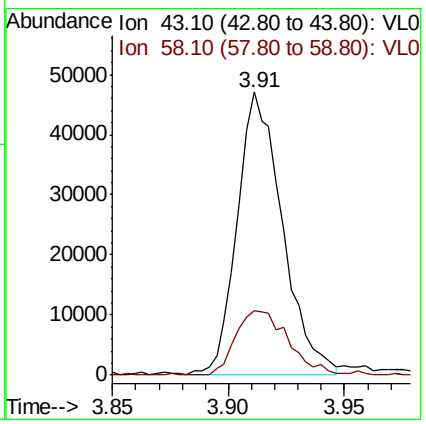




#15
Acetone
Concen: 0.515 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 43 Resp: 64053

Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.1	31.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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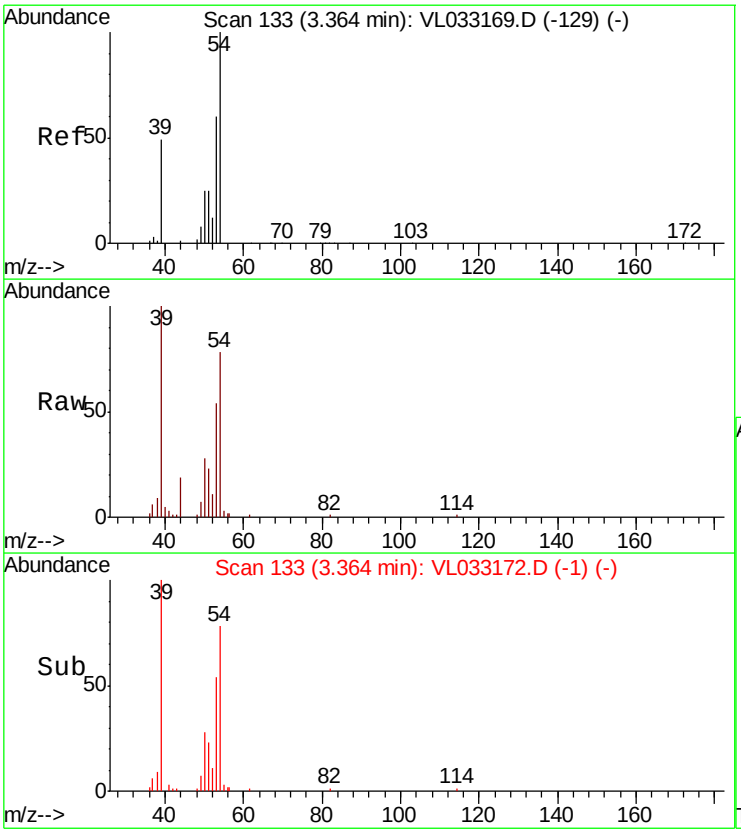
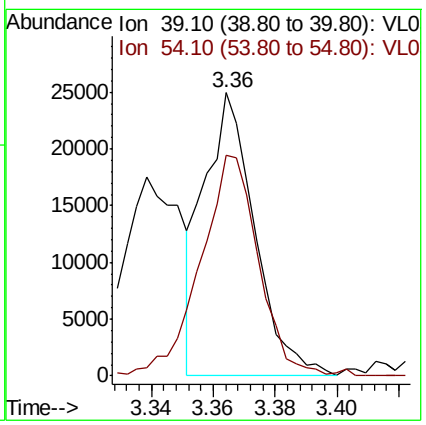
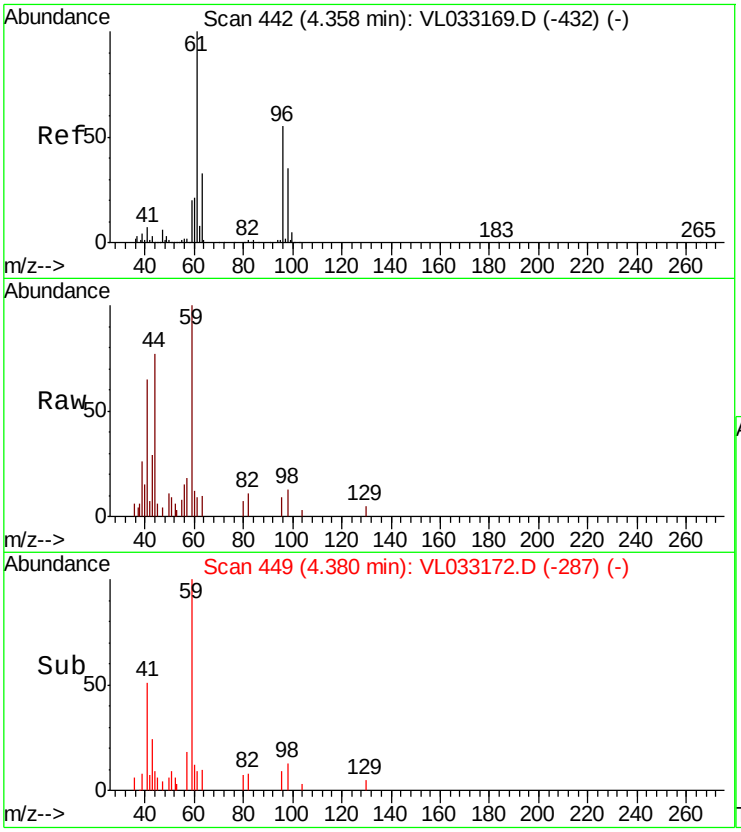


#16
1,3-Butadiene
Concen: 0.480 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 39 Resp: 28359

Ion	Ratio	Lower	Upper
39	100		
54	90.3	71.3	106.9





#17
tert-Butyl alcohol
Concen: 0.509 ppbv m
RT: 4.38 min Scan# 449
Delta R.T. 0.02 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 59 Resp: 12088

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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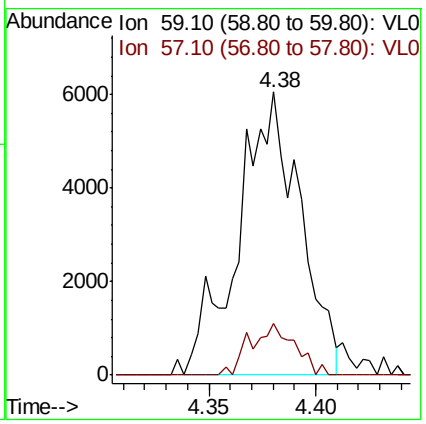
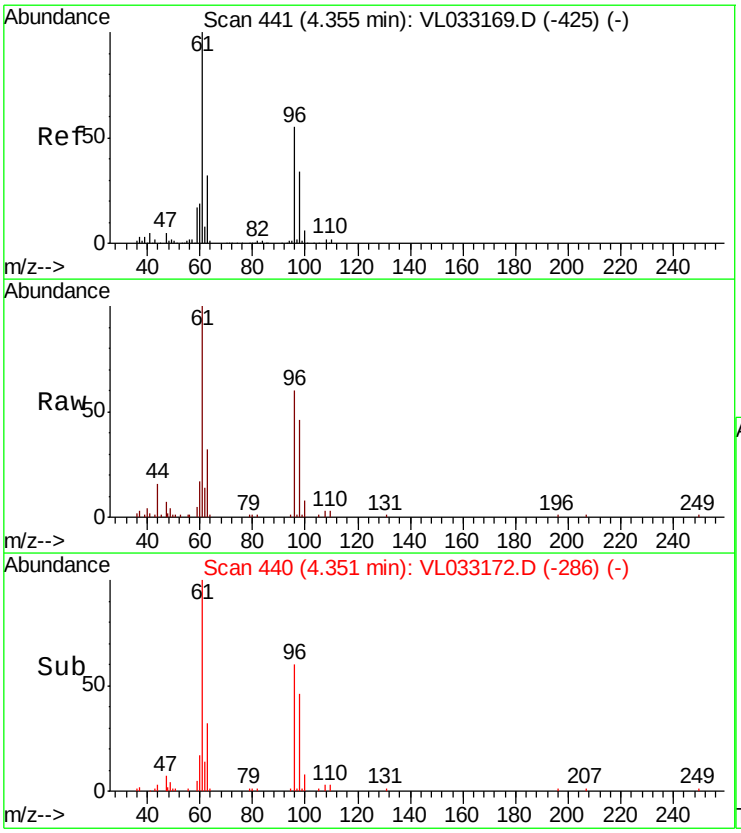
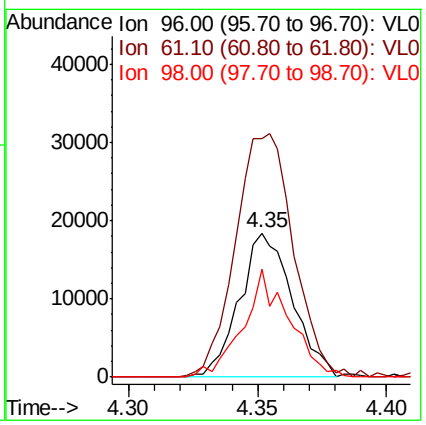


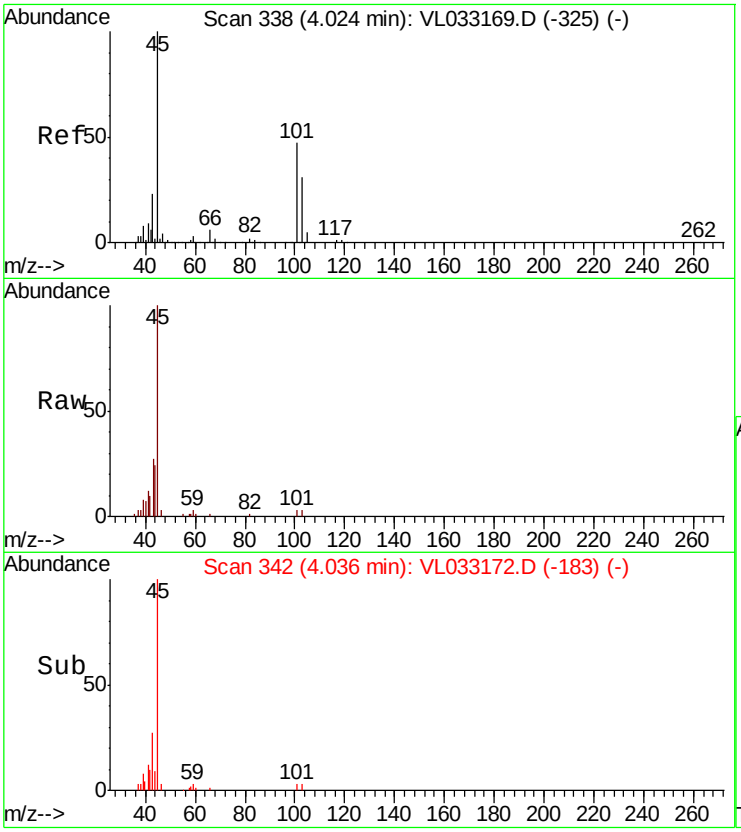


#18
1,1-Dichloroethene
Concen: 0.497 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 96 Resp: 26357

Ion	Ratio	Lower	Upper
96	100		
61	164.2	145.0	217.6
98	75.4	50.0	75.0#





#19
Isopropyl Alcohol
Concen: 0.557 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 45 Resp: 47005

Ion	Ratio	Lower	Upper
45	100		
58	1.5	1.5	2.3#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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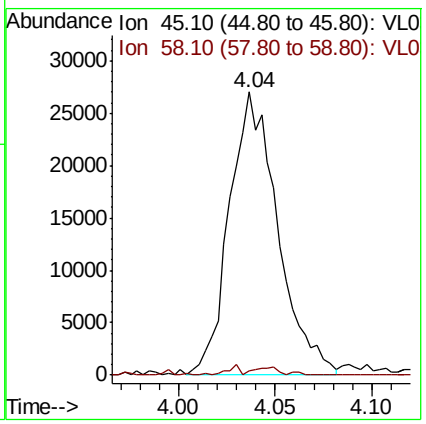
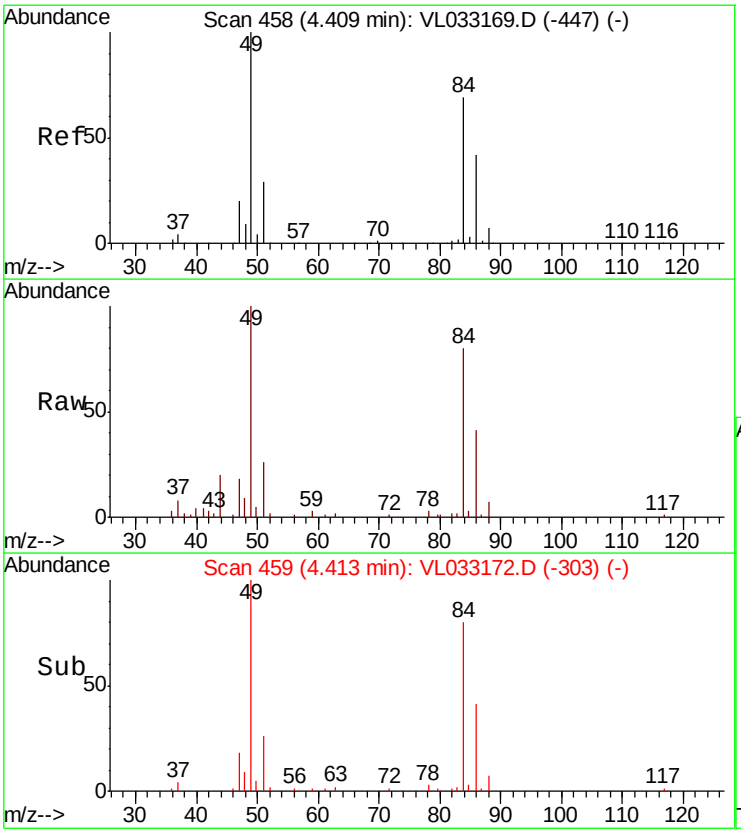
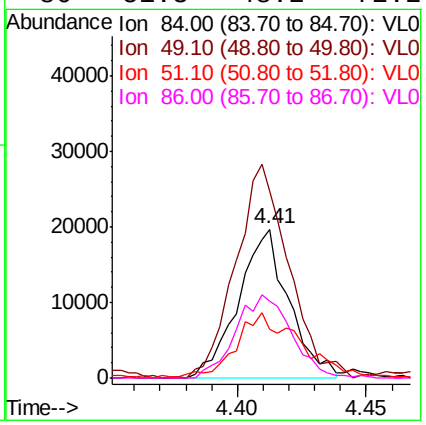


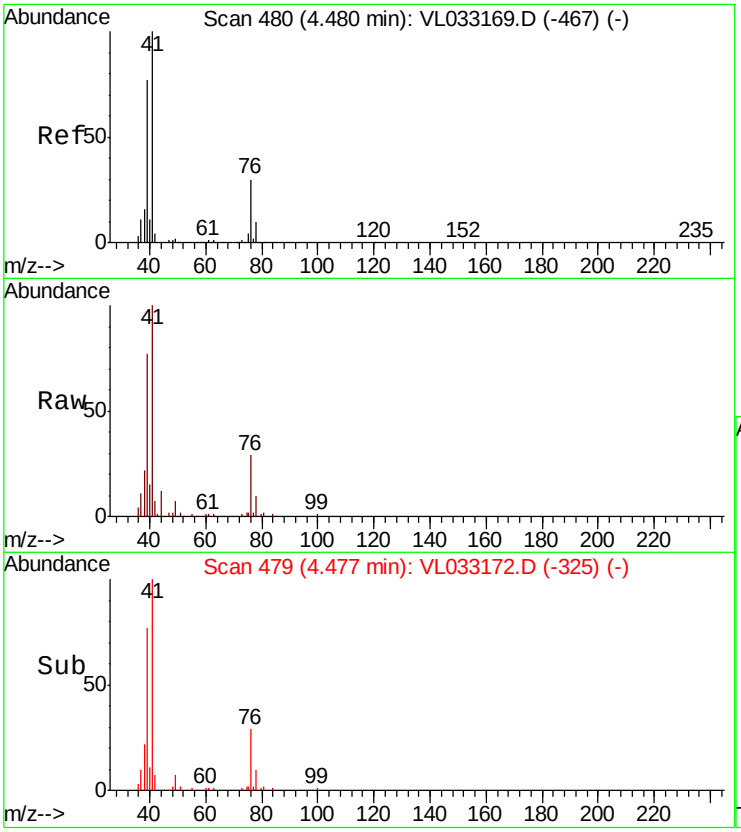


#20
Methylene Chloride
Concen: 0.542 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 84 Resp: 26836

Ion	Ratio	Lower	Upper
84	100		
49	131.7	115.8	173.8
51	29.9	33.0	49.6#
86	51.3	48.2	72.2

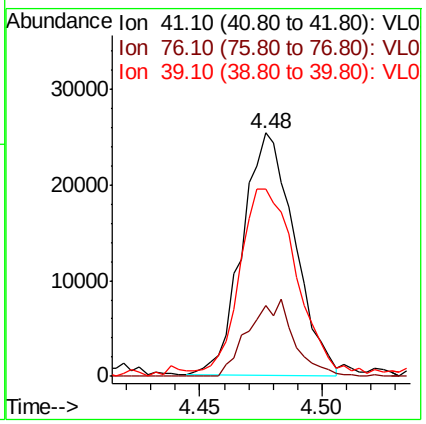




#21
Allyl Chloride
Concen: 0.455 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 41 Resp: 37404

Ion	Ratio	Lower	Upper
41	100		
76	27.7	24.5	36.7
39	90.2	64.1	96.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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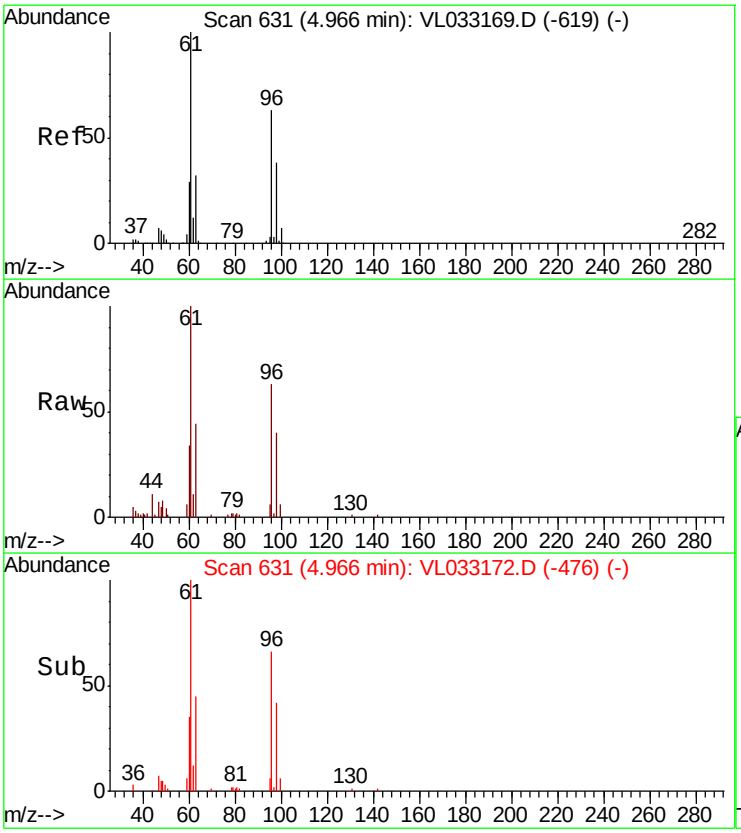
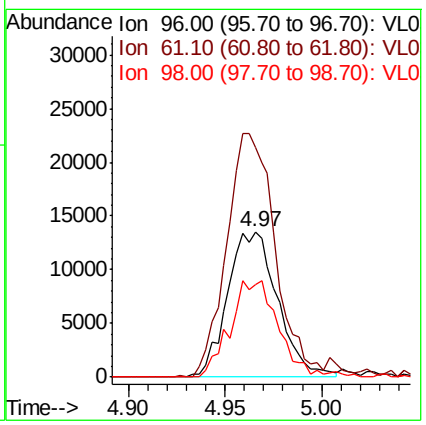
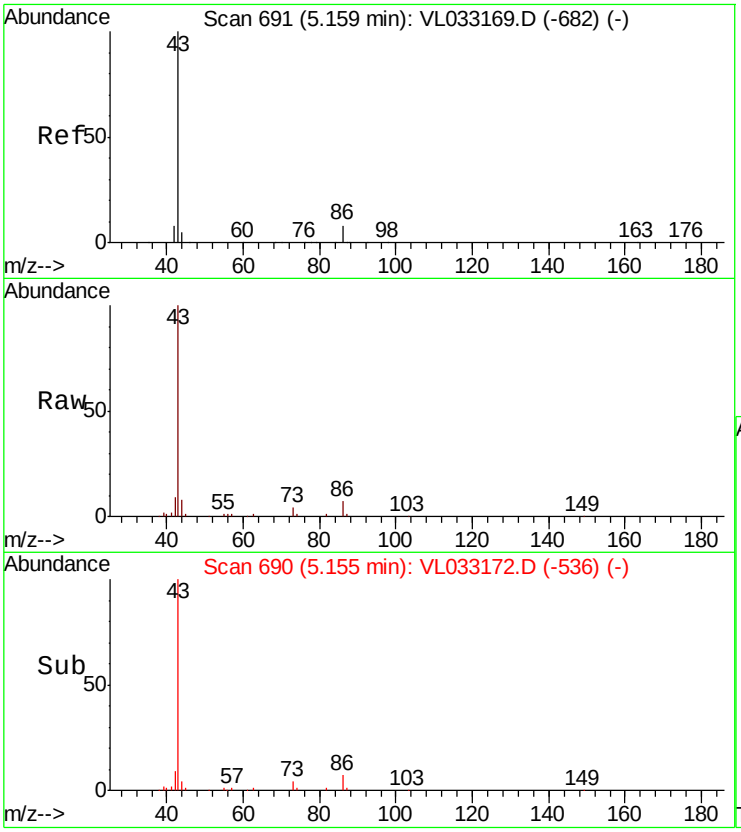


#22
trans-1,2-Dichloroethene
Concen: 0.474 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 96 Resp: 24398

Ion	Ratio	Lower	Upper
96	100		
61	157.7	126.4	189.6
98	63.3	48.4	72.6

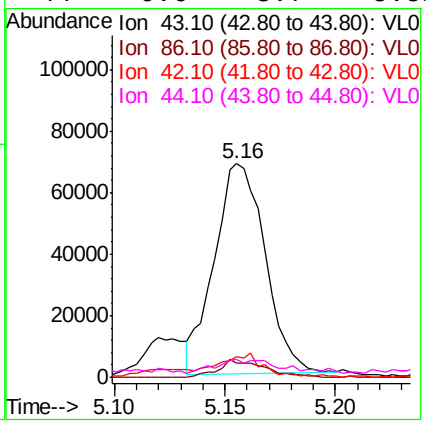




#23
Vinyl Acetate
Concen: 0.507 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 43 Resp: 109431

Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.8	8.8
42	8.7	7.4	11.0
44	6.6	3.7	5.5#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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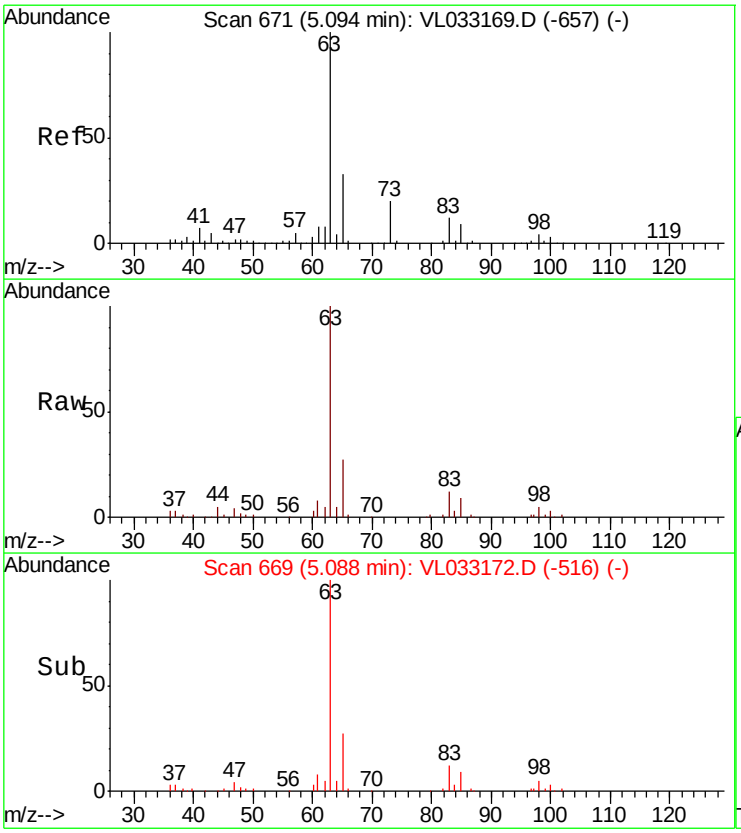
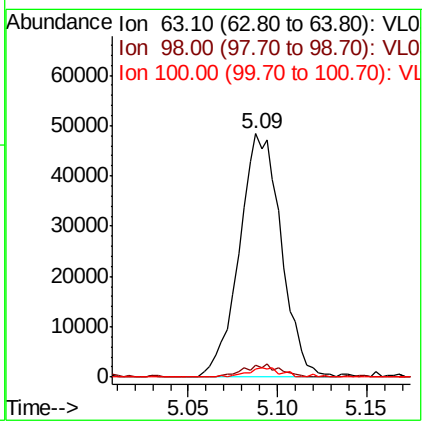
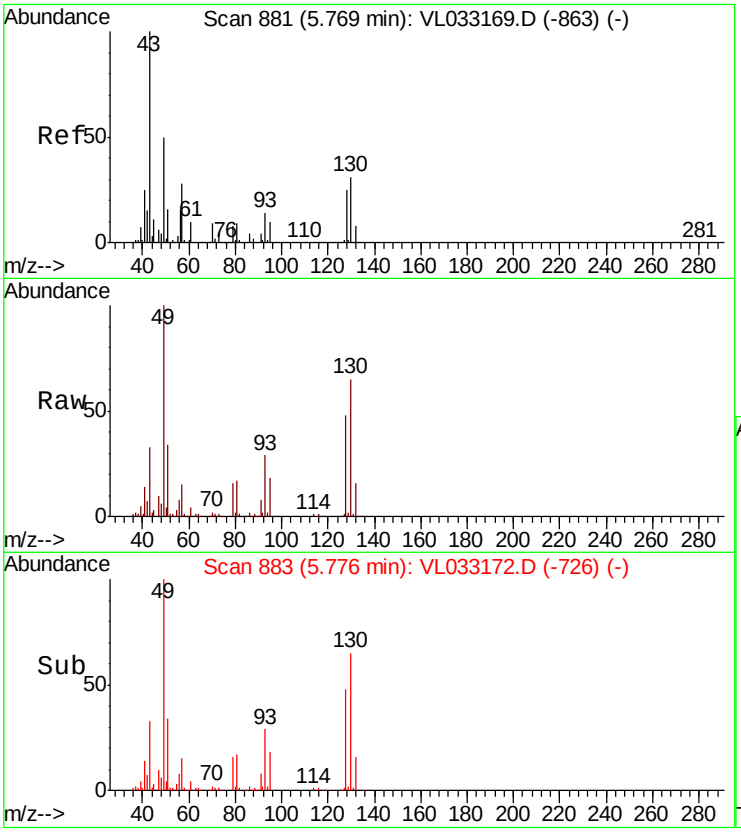


#24
1,1-Dichloroethane
Concen: 0.521 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 63 Resp: 79548

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	3.2	1.4	4.2

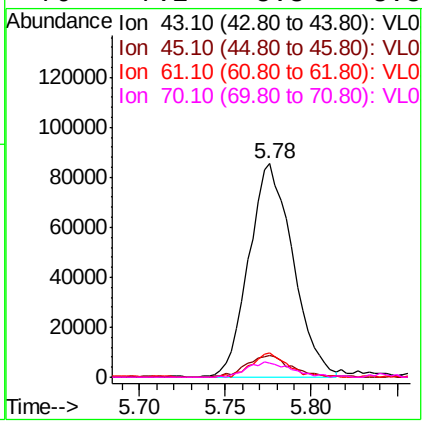




#25
Ethyl Acetate
Concen: 0.543 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 43 Resp: 151980

Ion	Ratio	Lower	Upper
43	100		
45	10.5	7.9	11.9
61	9.8	7.5	11.3
70	7.2	5.8	8.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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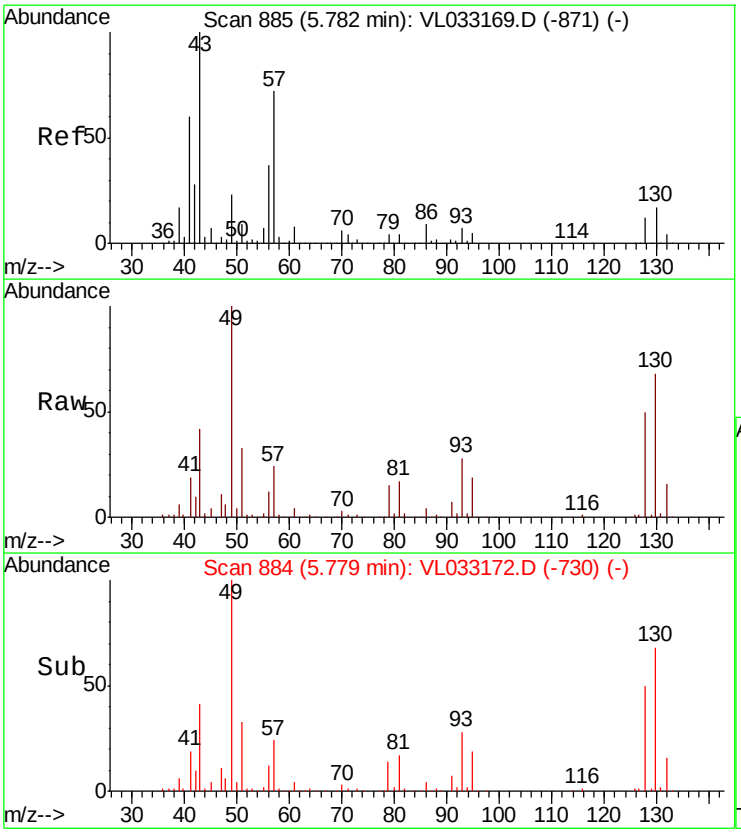
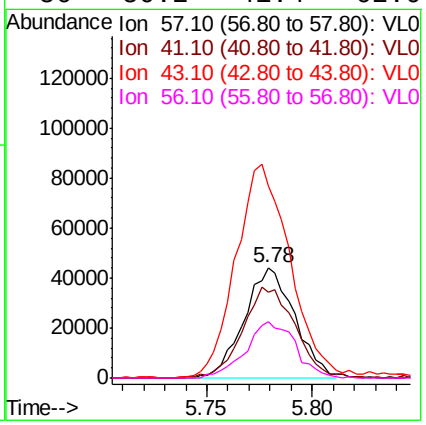
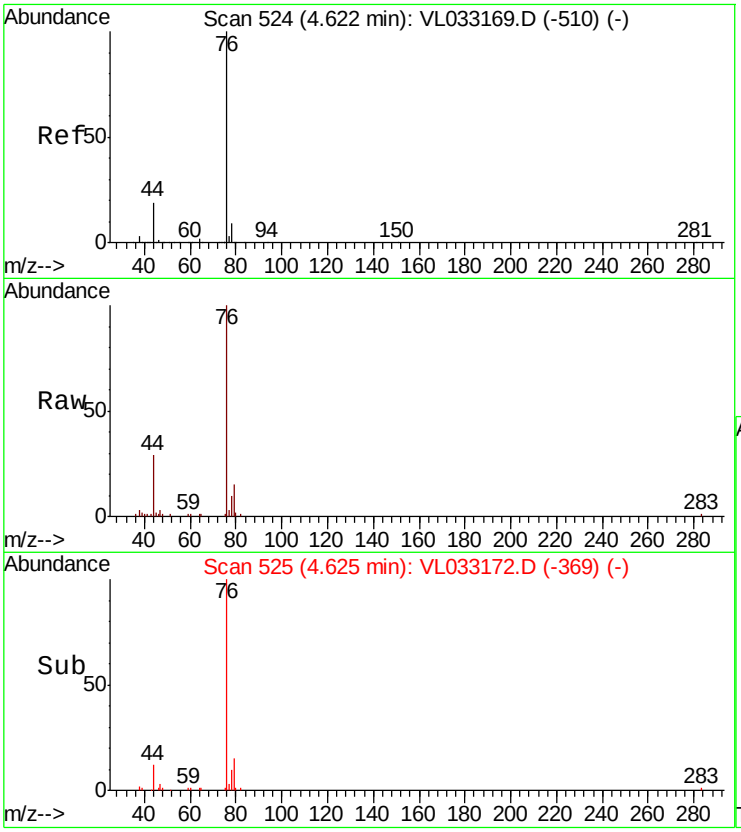


#26
Hexane
Concen: 0.560 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 57 Resp: 73535

Ion	Ratio	Lower	Upper
57	100		
41	85.9	69.4	104.2
43	215.0	176.7	265.1
56	50.2	41.4	62.0





#27
Carbon Disulfide
Concen: 0.416 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 76 Resp: 50060

Ion	Ratio	Lower	Upper
76	100		
44	33.3	15.0	22.4#
78	11.1	7.4	11.0#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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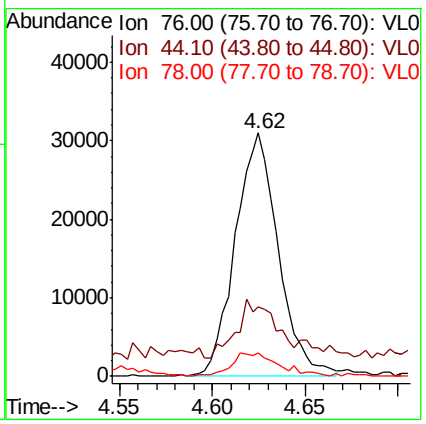
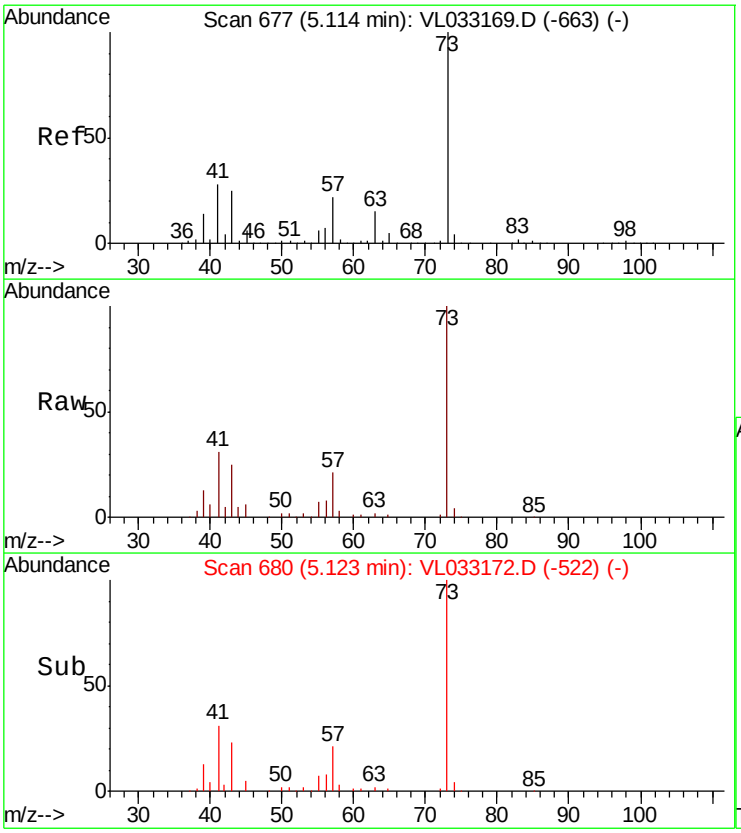
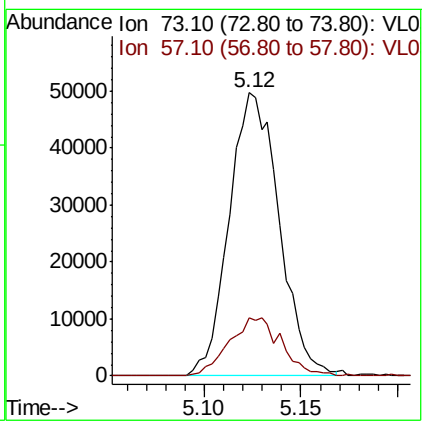


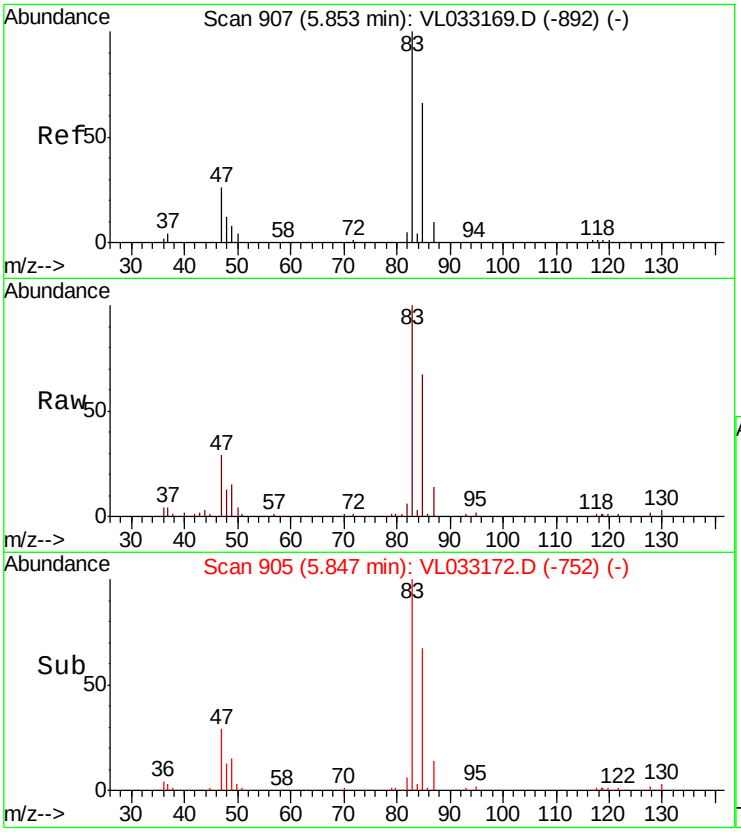


#28
Methyl tert-Butyl Ether
Concen: 0.497 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 73 Resp: 89296

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.9	26.9

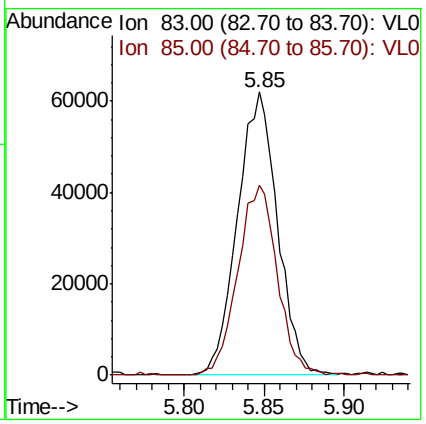




#29
Chloroform
Concen: 0.525 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 83 Resp: 105776

Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	78.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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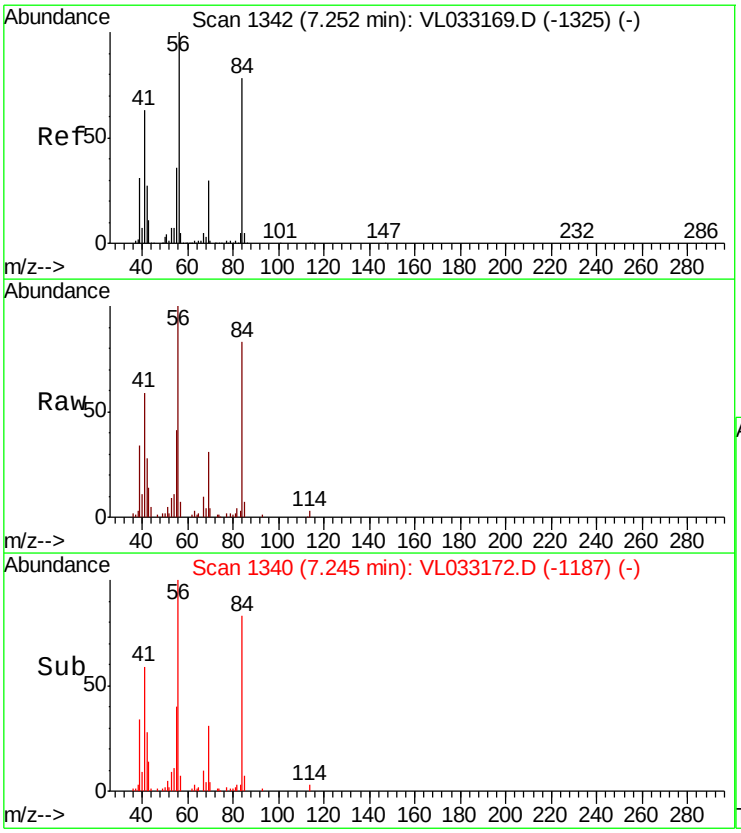
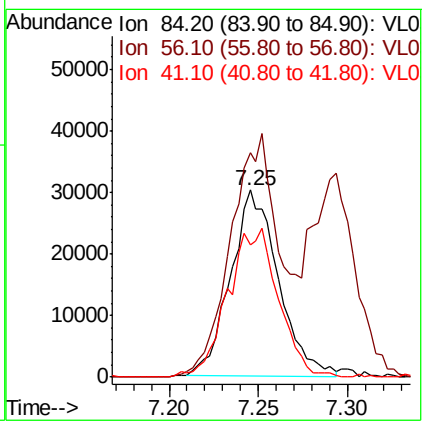
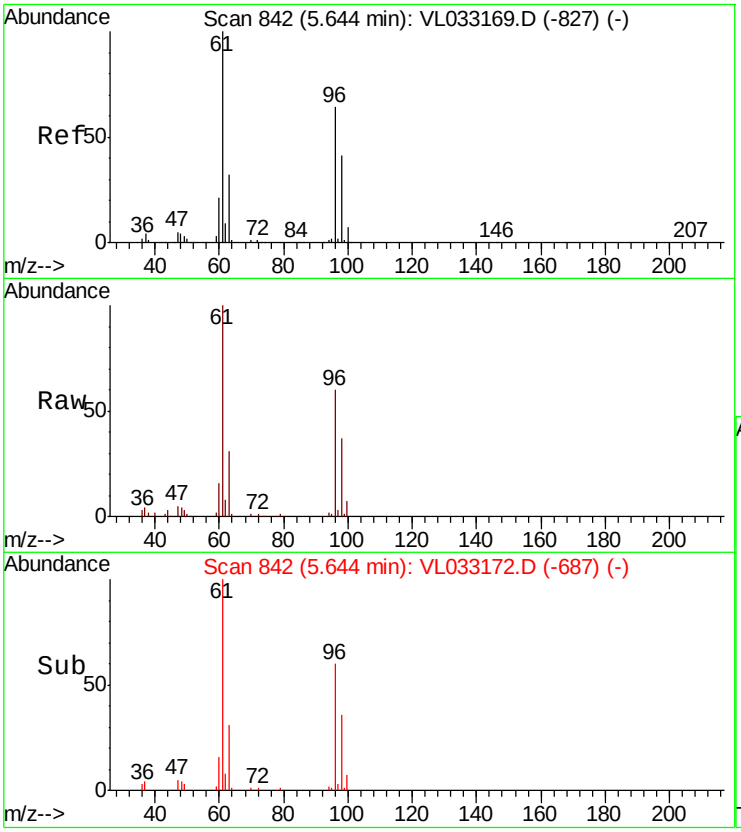


#30
Cyclohexane
Concen: 0.466 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 84 Resp: 56828

Ion	Ratio	Lower	Upper
84	100		
56	126.2	109.5	164.3
41	84.2	66.6	100.0

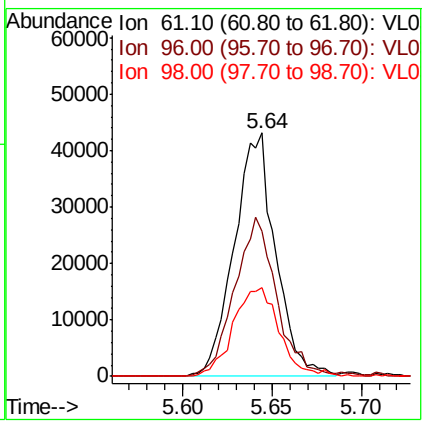




#31
cis-1,2-Dichloroethene
Concen: 0.532 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 61 Resp: 69916

Ion	Ratio	Lower	Upper
61	100		
96	62.2	51.2	76.8
98	36.7	32.8	49.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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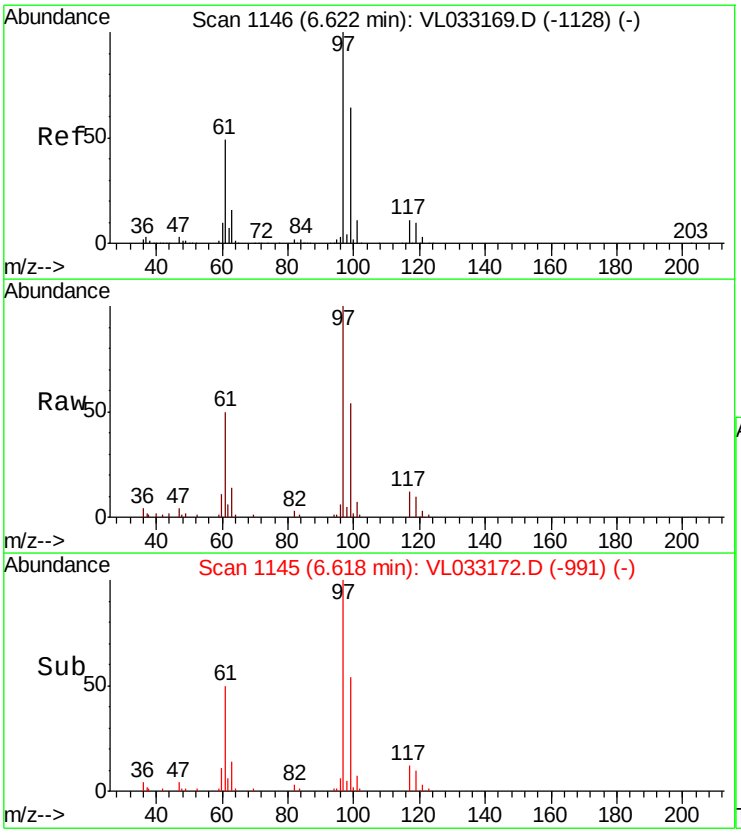
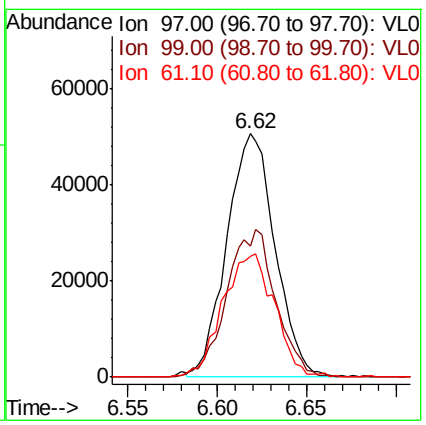
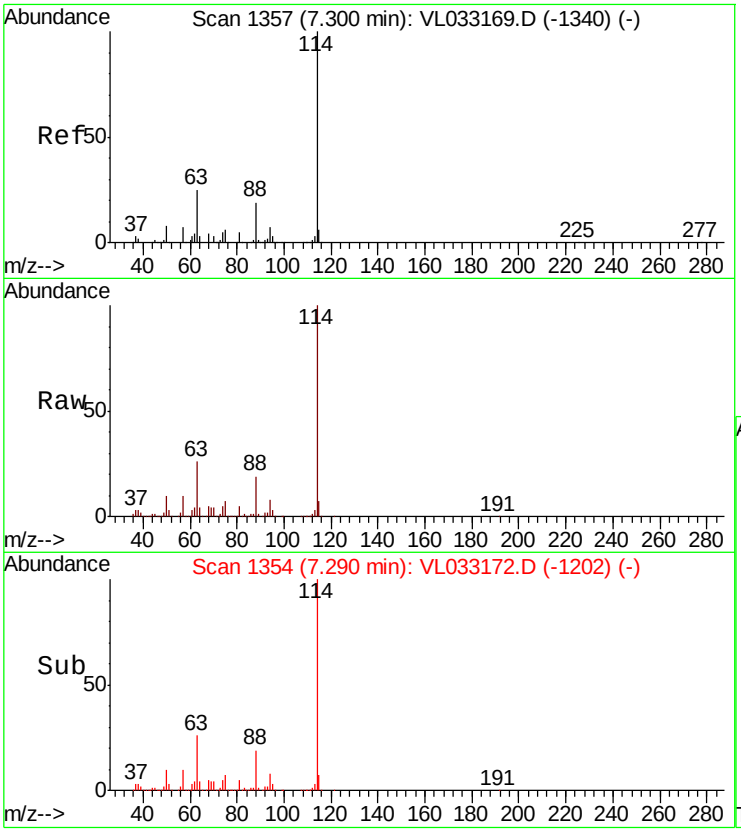


#32
1,1,1-Trichloroethane
Concen: 0.432 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 97 Resp: 95701

Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.4	77.2
61	54.4	38.8	58.2

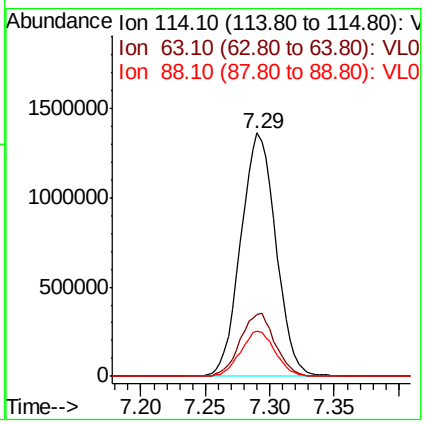




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:114 Resp: 2589140

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.8	31.2
88	18.3	14.6	22.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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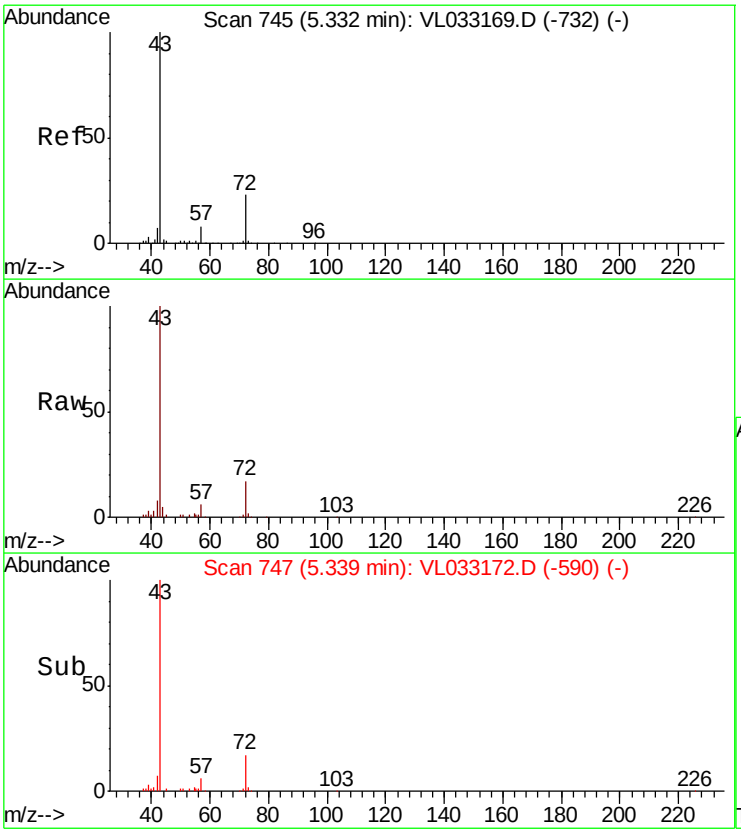
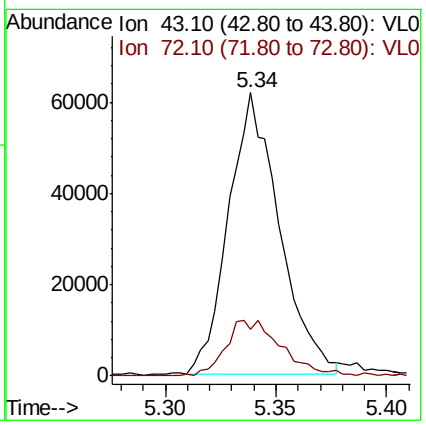
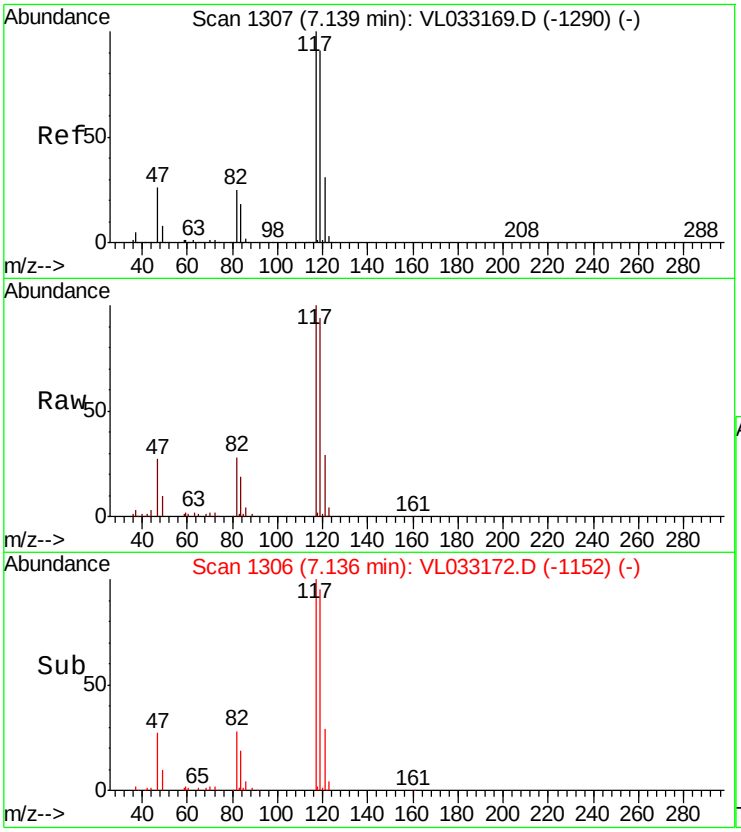


#34
2-Butanone
Concen: 0.600 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 43 Resp: 98566

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.8	26.6

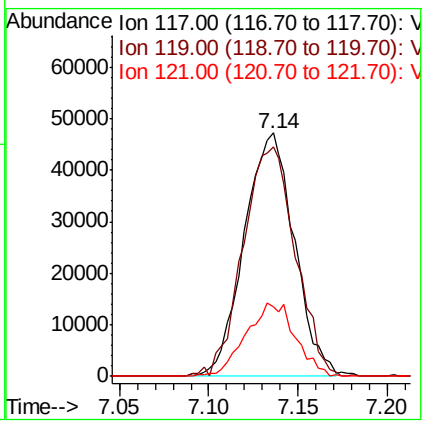




#35
Carbon Tetrachloride
Concen: 0.468 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:117 Resp: 92619

Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.0	109.6
121	29.1	25.1	37.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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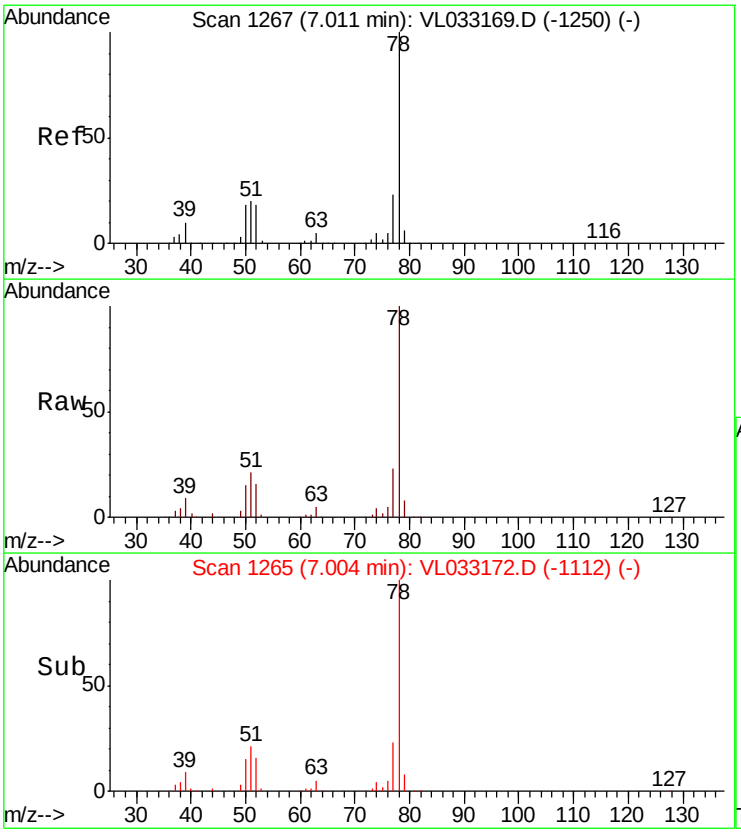
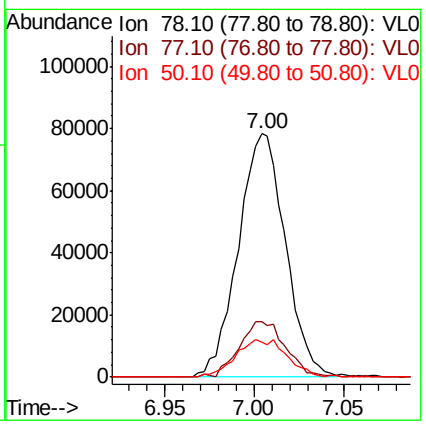
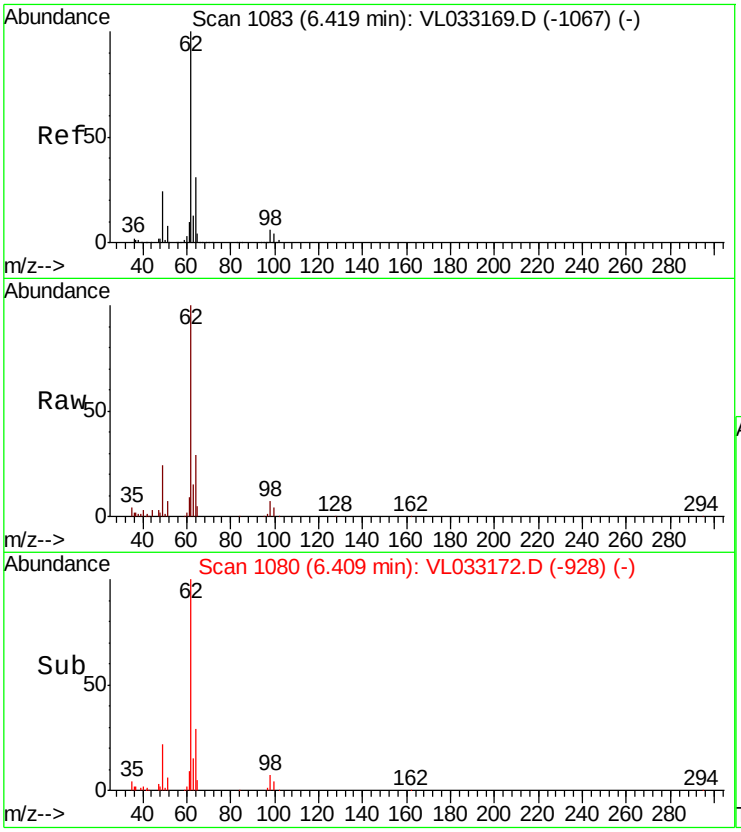


#36
Benzene
Concen: 0.548 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 78 Resp: 143752

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.0	27.0
50	14.6	14.2	21.2

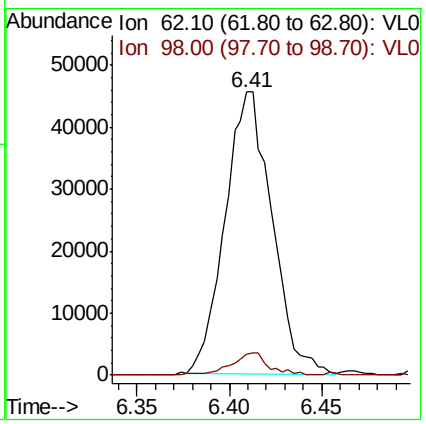




#37
1,2-Dichloroethane
Concen: 0.552 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 62 Resp: 80323

Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.7	7.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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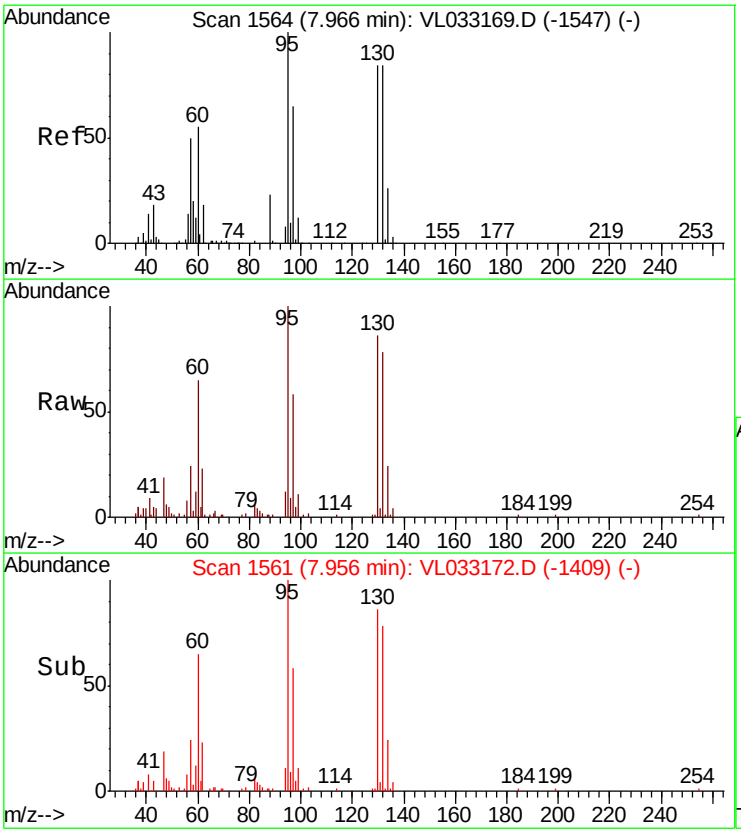
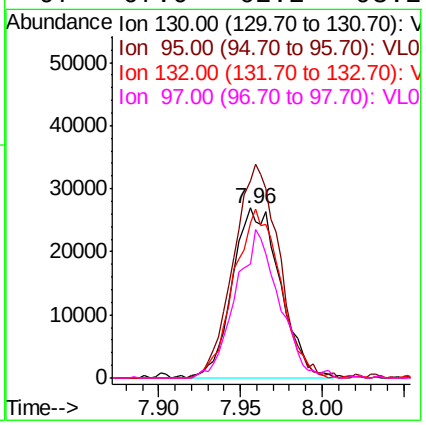
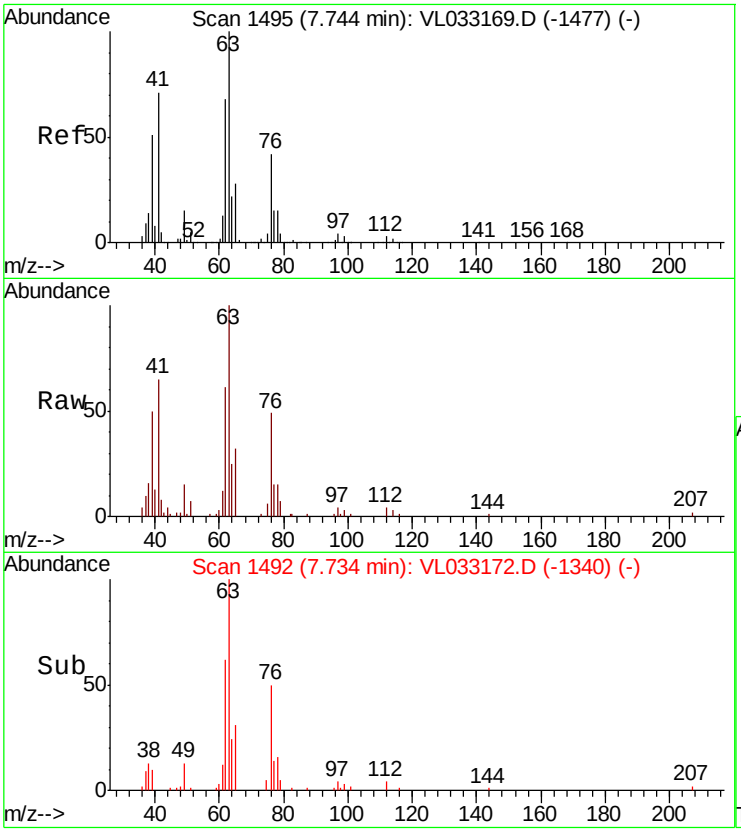


#38
Trichloroethene
Concen: 0.486 ppbv m
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:130 Resp: 54598

Ion	Ratio	Lower	Upper
130	100		
95	116.2	95.5	143.3
132	90.7	80.0	120.0
97	67.0	62.2	93.2

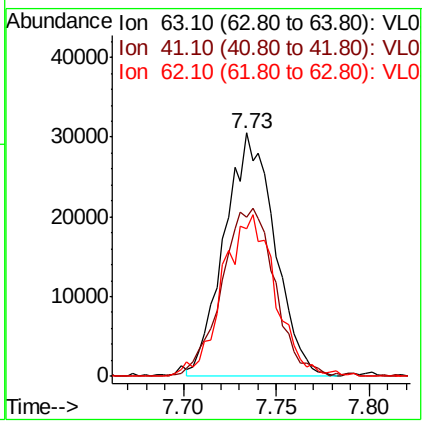




#39
1,2-Dichloropropane
Concen: 0.555 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 63 Resp: 57526

Ion	Ratio	Lower	Upper
63	100		
41	64.4	56.4	84.6
62	58.5	54.2	81.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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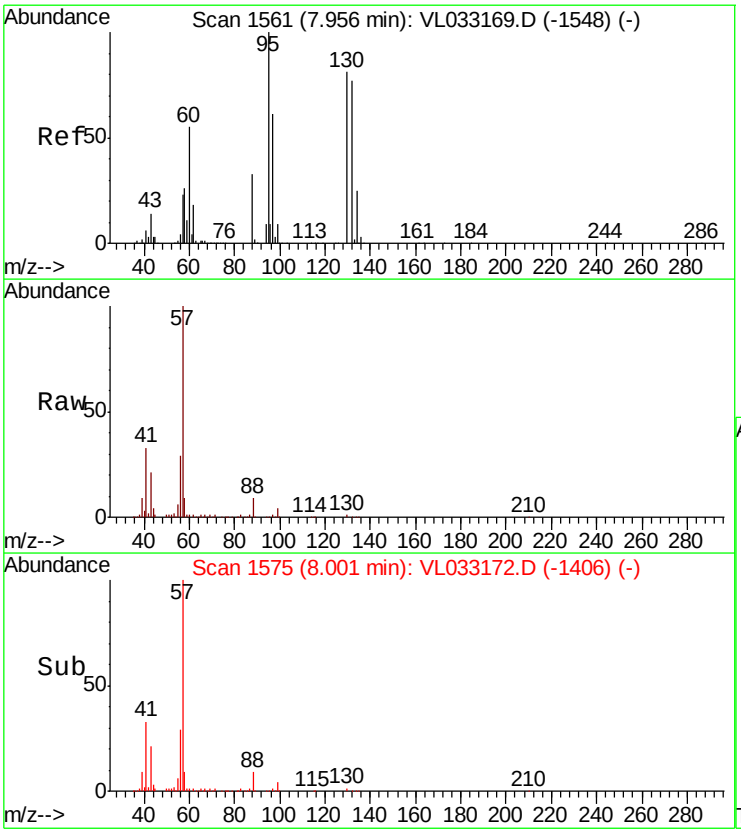
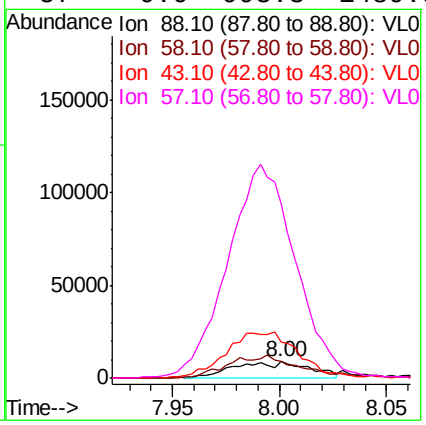
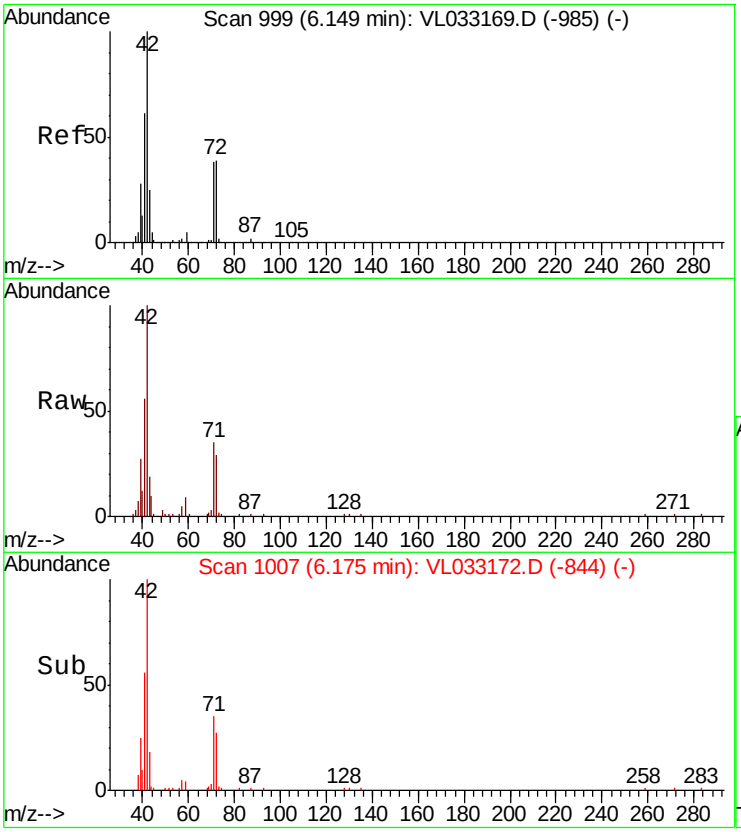


#40
1,4-Dioxane
Concen: 0.573 ppbv m
RT: 8.00 min Scan# 1575
Delta R.T. 0.04 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 88 Resp: 21575

Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.4	159.6#
43	0.0	219.6	329.4#
57	0.0	993.3	1489.9#

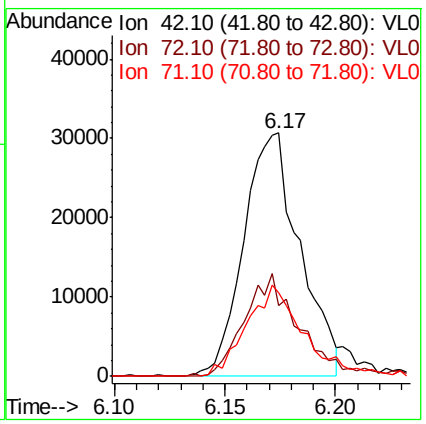




#41
Tetrahydrofuran
Concen: 0.533 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. 0.03 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 42 Resp: 54191

Ion	Ratio	Lower	Upper
42	100		
72	42.1	31.4	47.2
71	39.0	30.2	45.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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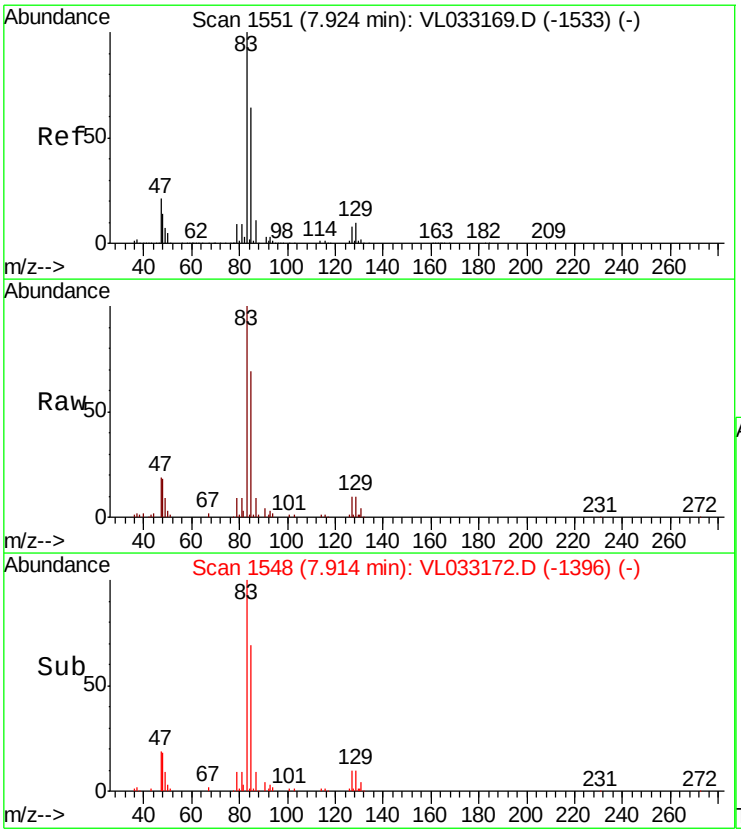
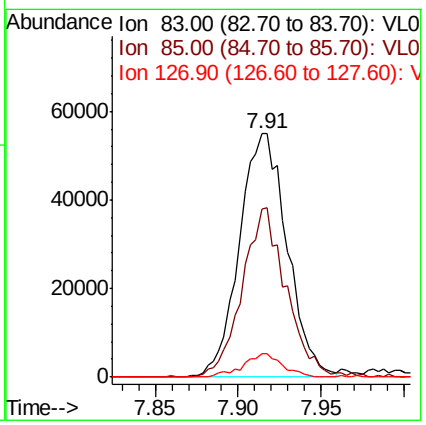
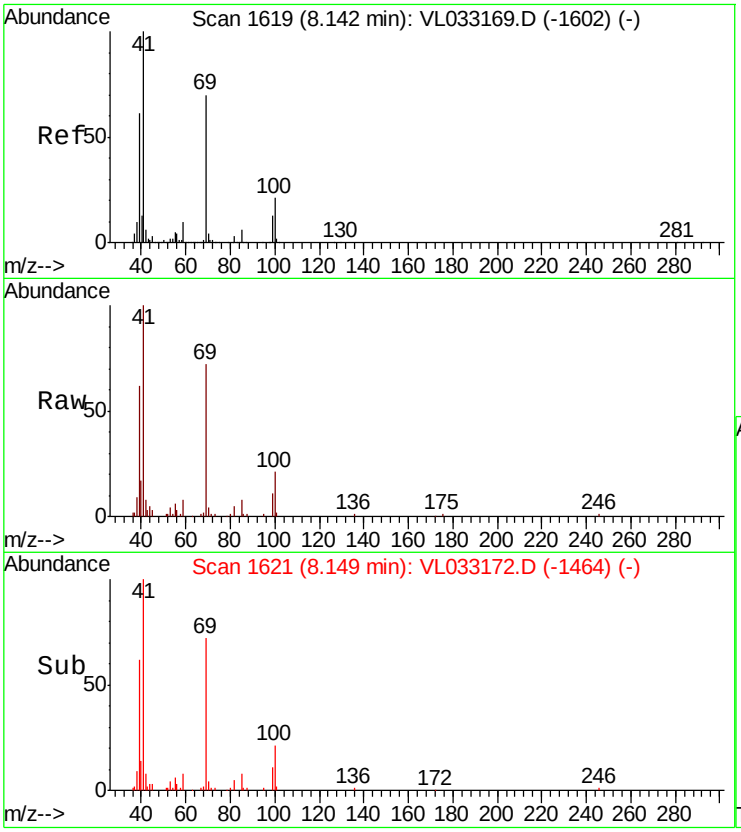


#42
Bromodichloromethane
Concen: 0.522 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 83 Resp: 110059

Ion	Ratio	Lower	Upper
83	100		
85	68.8	51.1	76.7
127	9.7	6.4	9.6#

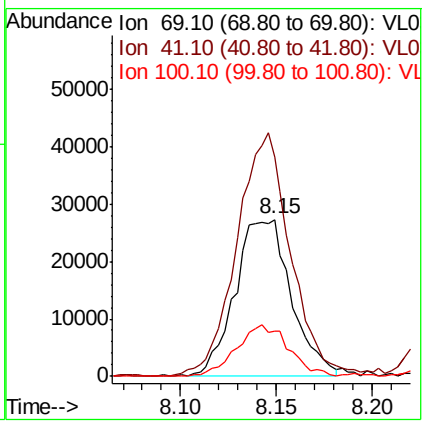




#43
Methyl Methacrylate
Concen: 0.526 ppbv m
RT: 8.15 min Scan# 1621
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 69 Resp: 55458

Ion	Ratio	Lower	Upper
69	100		
41	149.4	117.1	175.7
100	31.4	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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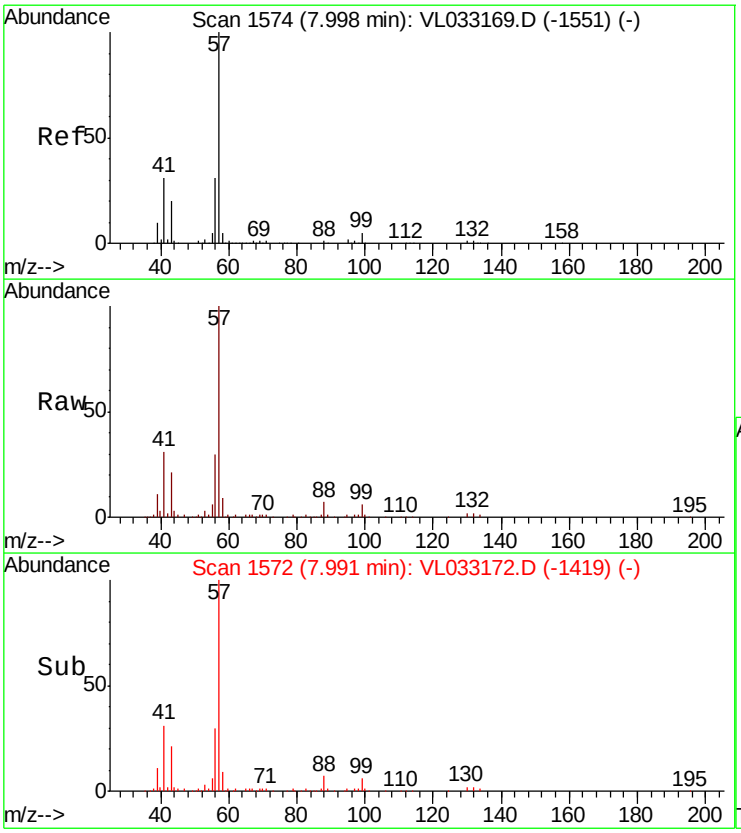
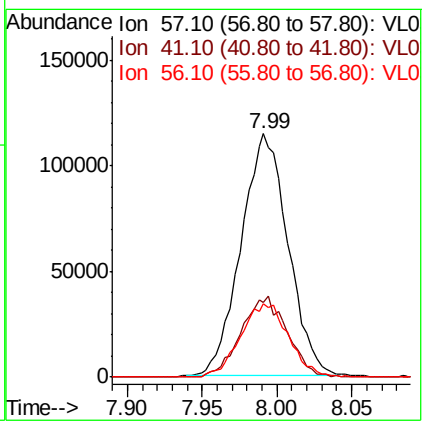
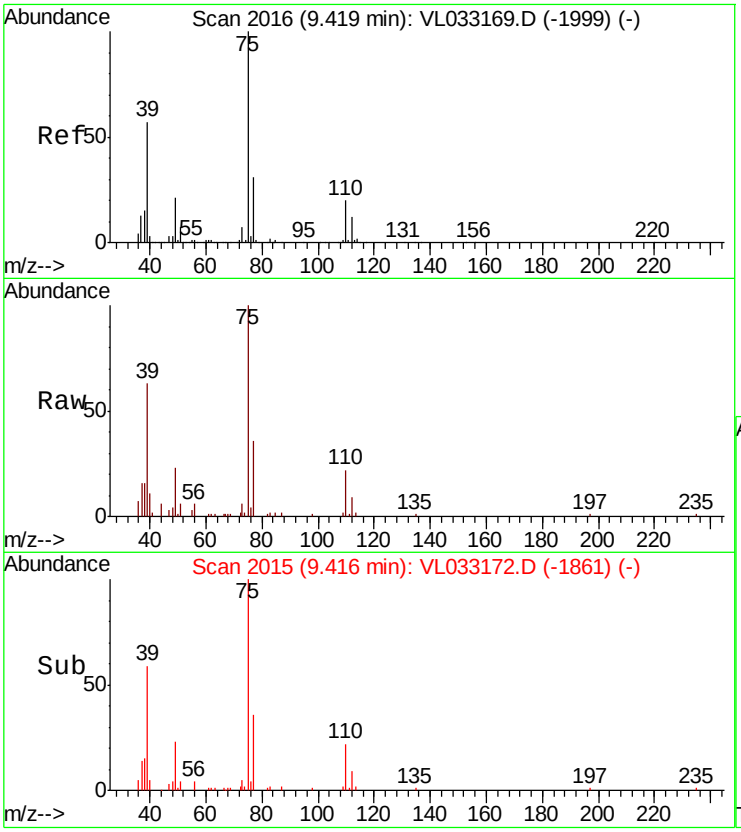


#44
2,2,4-Trimethylpentane
Concen: 0.562 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 57 Resp: 249808

Ion	Ratio	Lower	Upper
57	100		
41	33.2	25.2	37.8
56	31.3	24.5	36.7





#45
t-1,3-Dichloropropene
Concen: 0.420 ppbv m
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 75 Resp: 49101

Ion	Ratio	Lower	Upper
75	100		
77	36.0	25.0	37.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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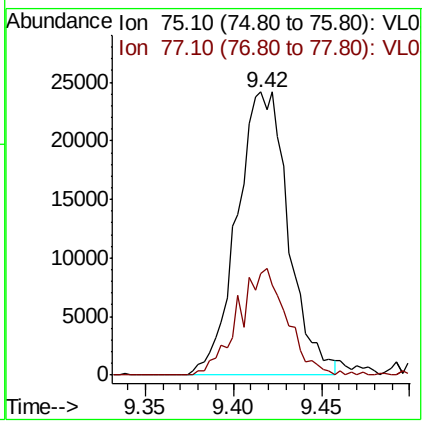
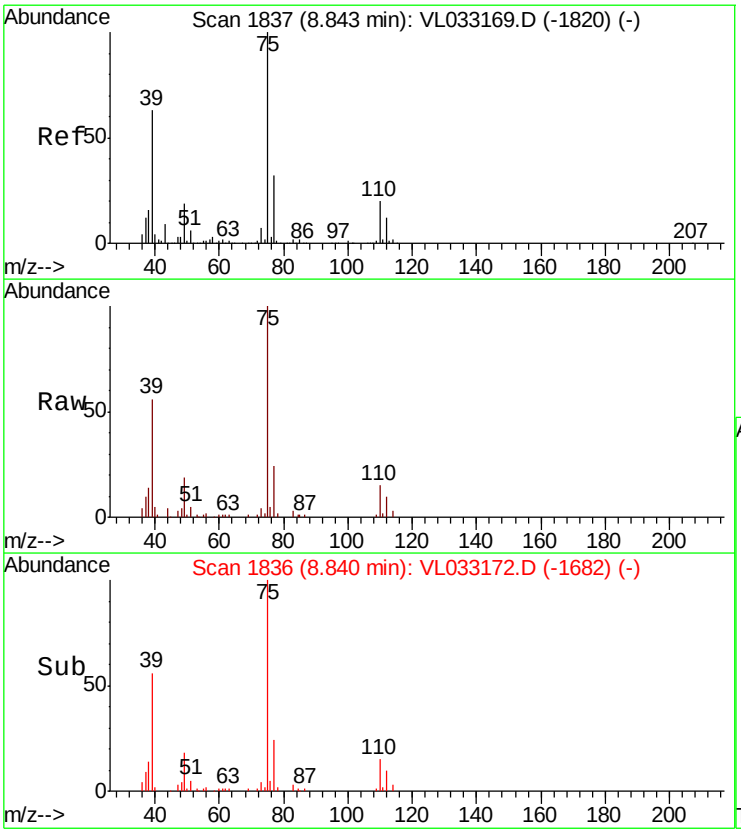
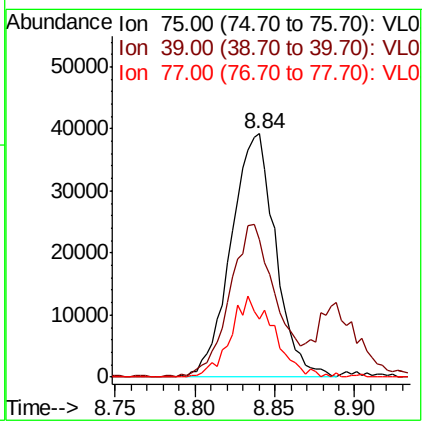


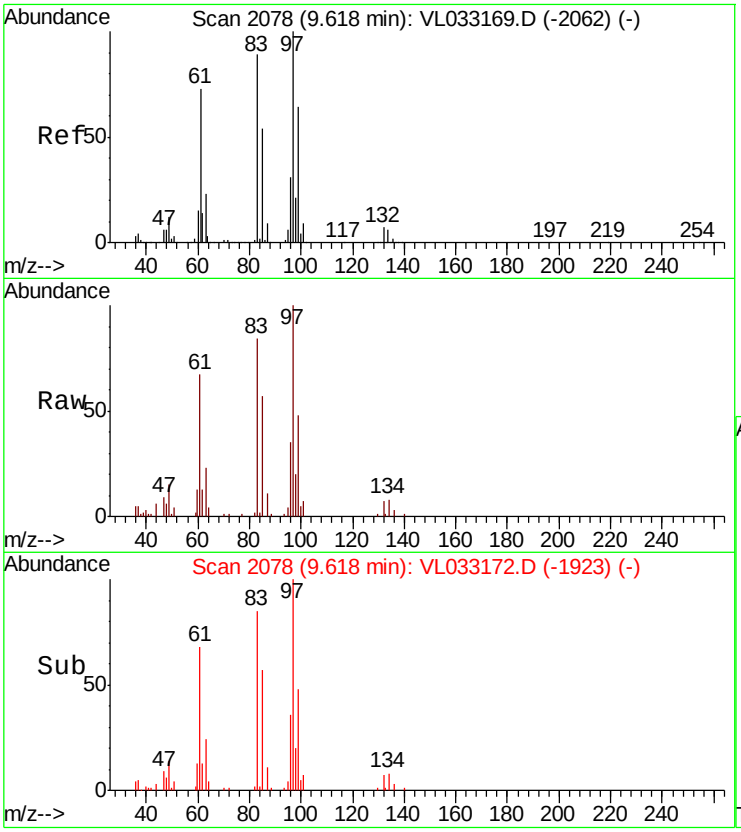


#46
cis-1,3-Dichloropropene
Concen: 0.498 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 75 Resp: 74276

Ion	Ratio	Lower	Upper
75	100		
39	55.5	50.1	75.1
77	23.7	25.4	38.2#

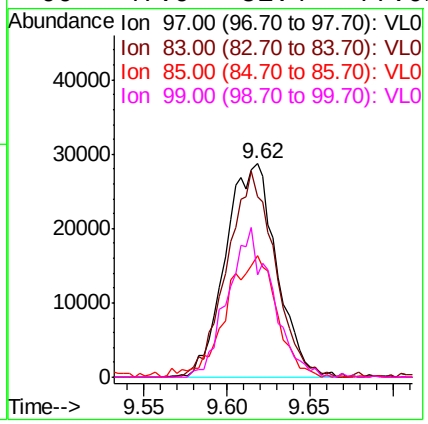




#47
1,1,2-Trichloroethane
Concen: 0.570 ppbv m
RT: 9.62 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 97 Resp: 61286

Ion	Ratio	Lower	Upper
97	100		
83	84.5	71.4	107.2
85	56.7	43.5	65.3
99	47.9	51.4	77.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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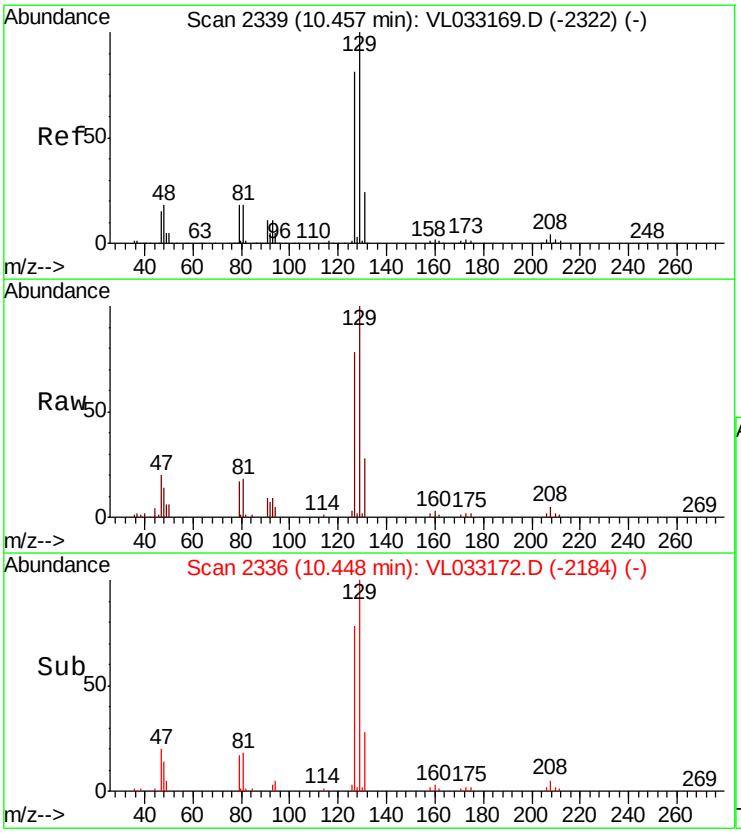
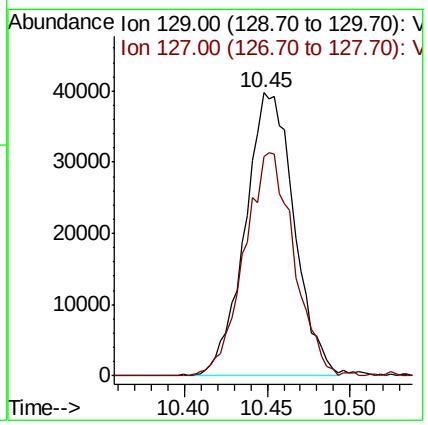
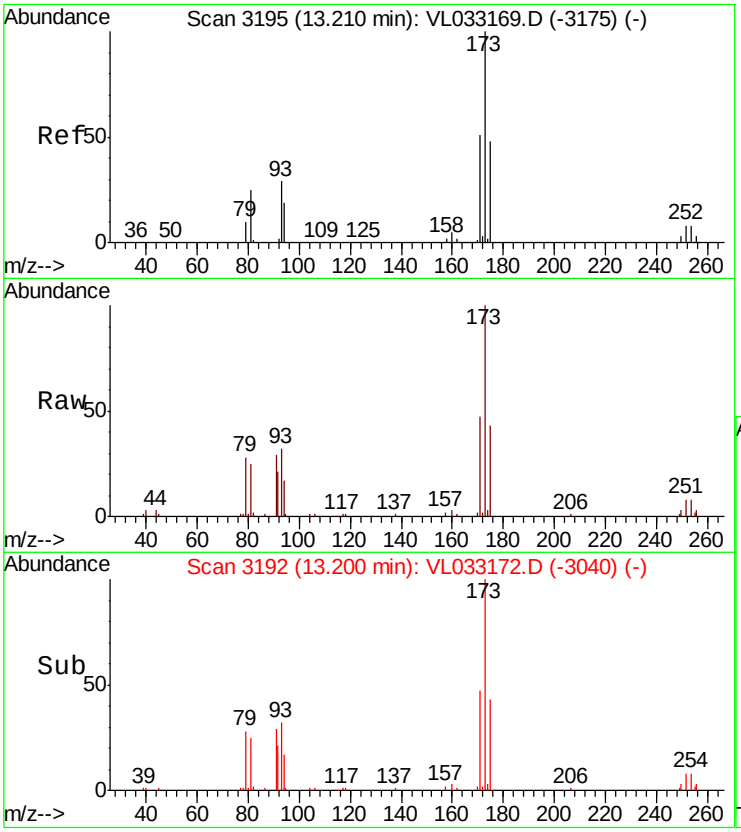


#48
Dibromochloromethane
Concen: 0.483 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:129 Resp: 81771

Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.1	117.3

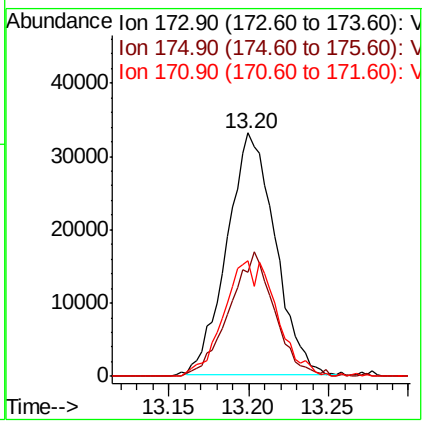




#49
Bromoform
Concen: 0.468 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:173 Resp: 68140

Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	58.0
171	51.9	41.6	62.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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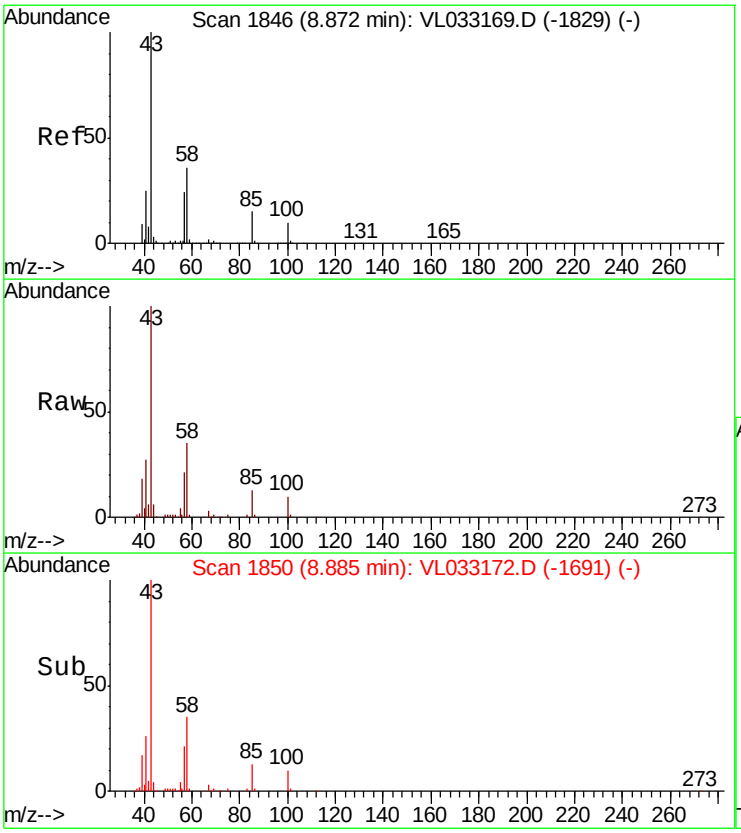
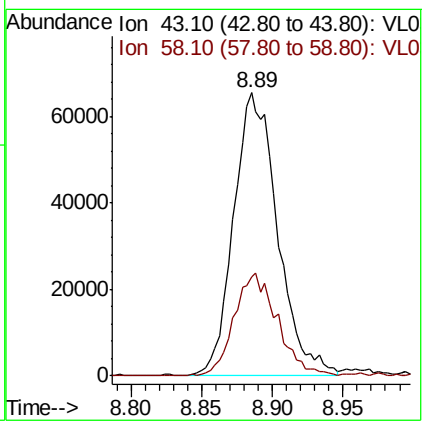
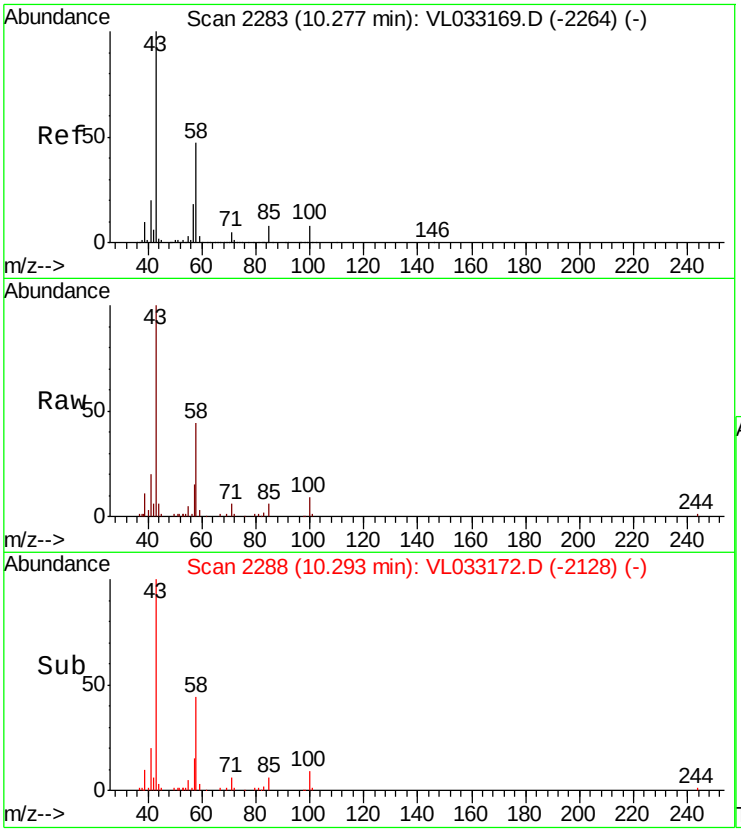


#50
4-Methyl-2-Pentanone
Concen: 0.537 ppbv m
RT: 8.89 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 43 Resp: 141520

Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.0	43.6

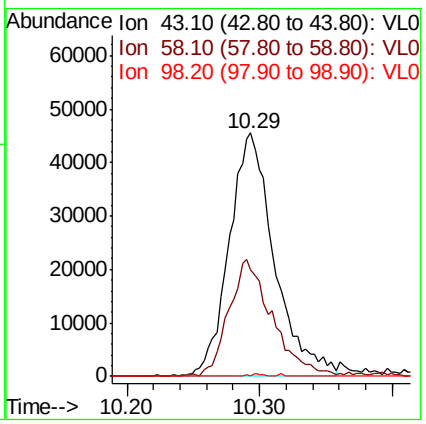




#51
2-Hexanone
Concen: 0.514 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. 0.02 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 43 Resp: 106820

Ion	Ratio	Lower	Upper
43	100		
58	47.1	39.0	58.6
98	0.4	0.1	0.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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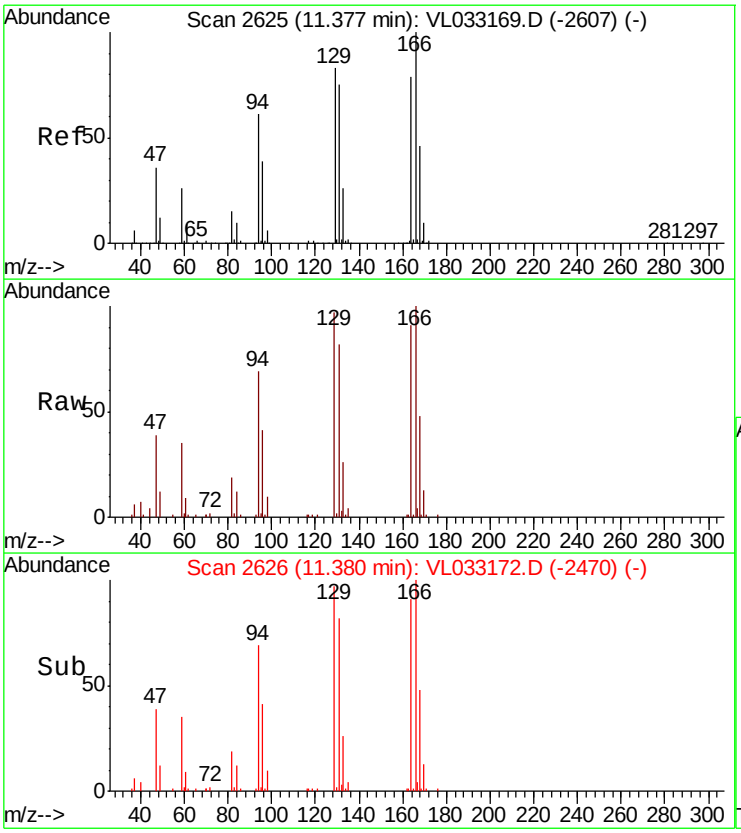
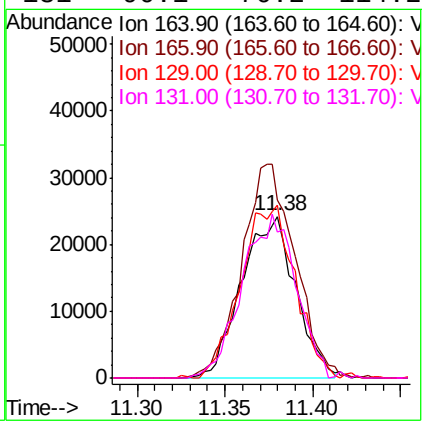
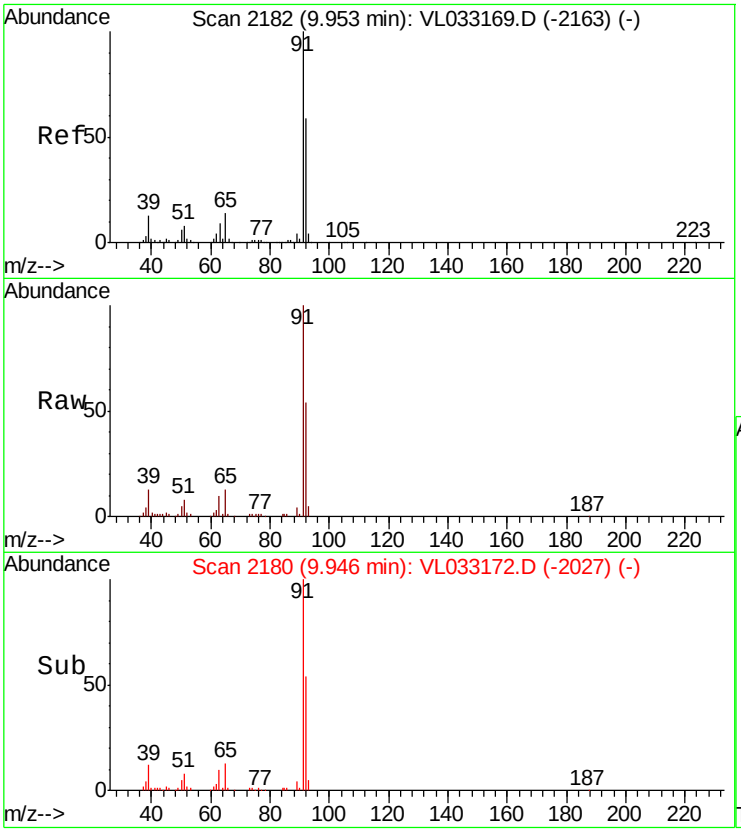


#52
Tetrachloroethene
Concen: 0.513 ppbv m
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:164 Resp: 51762

Ion	Ratio	Lower	Upper
164	100		
166	110.3	100.9	151.3
129	107.0	83.9	125.9
131	90.1	76.2	114.2

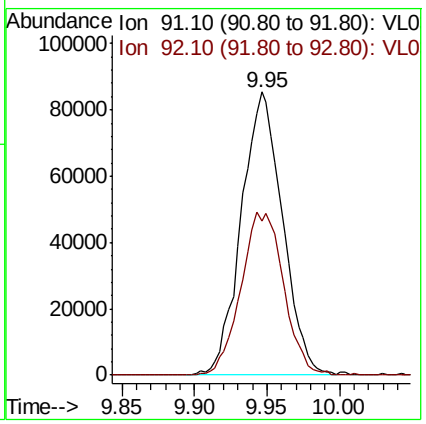




#53
Toluene
Concen: 0.544 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 169093

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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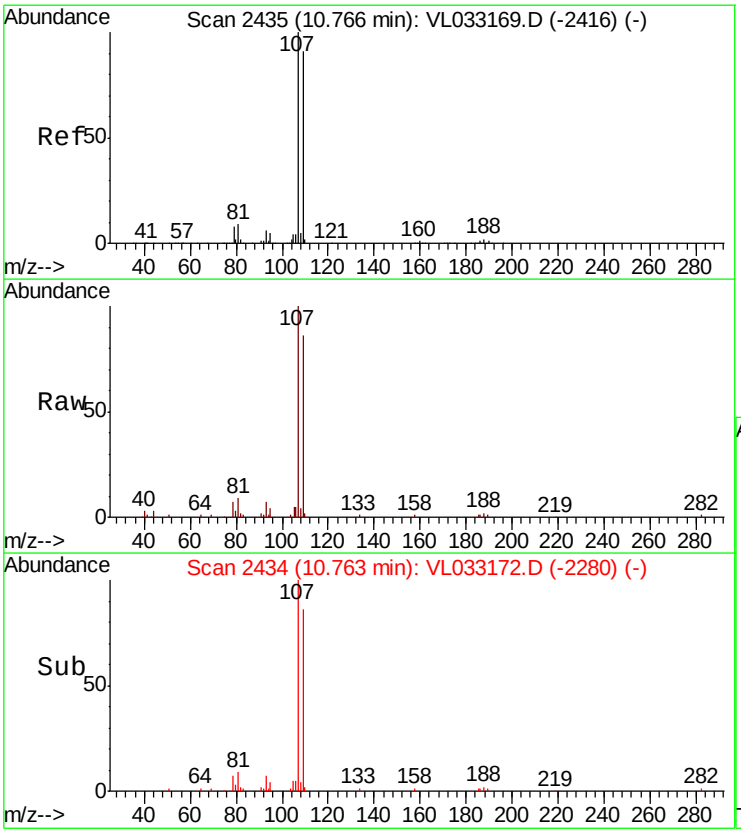
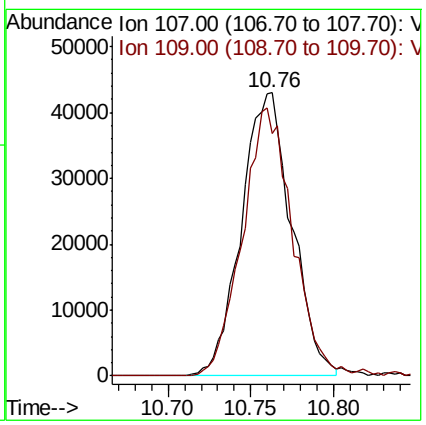
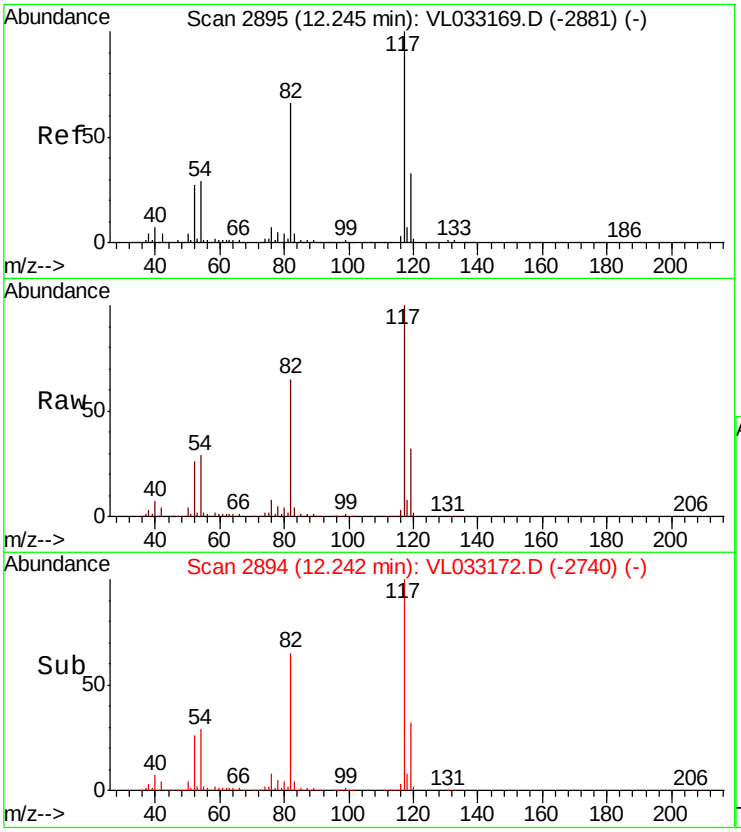


#54
1,2-Dibromoethane
Concen: 0.538 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:107 Resp: 90691

Ion	Ratio	Lower	Upper
107	100		
109	85.5	73.2	109.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:117 Resp: 2636916

Ion	Ratio	Lower	Upper
117	100		
82	64.9	53.8	80.8
119	33.1	46.9	70.3#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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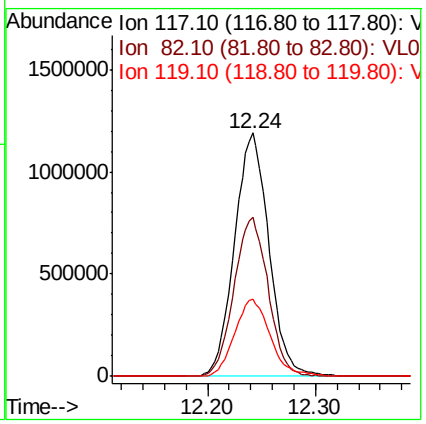
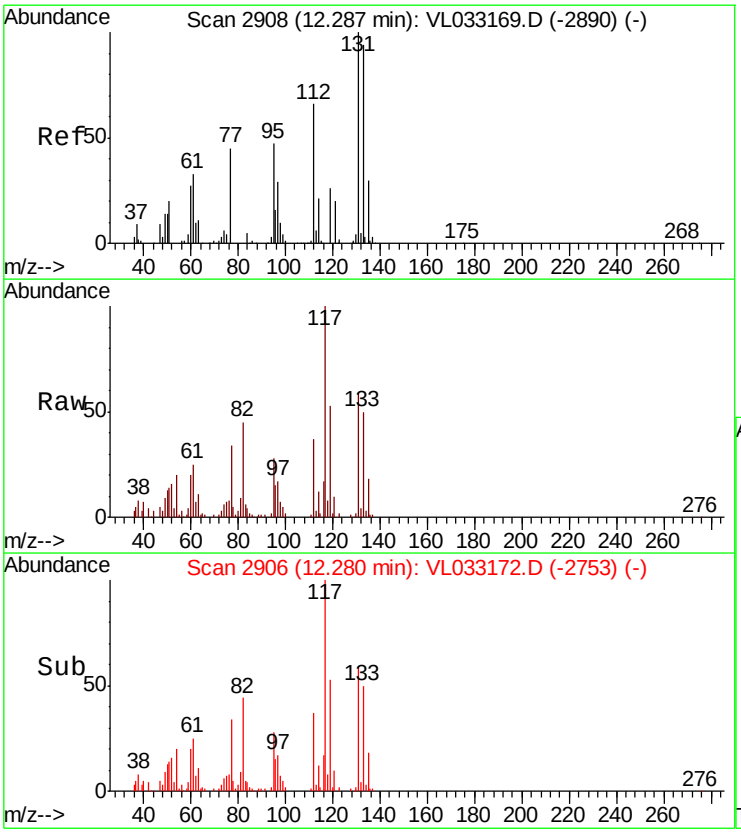
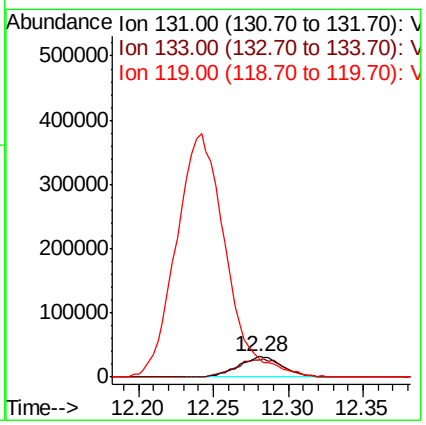


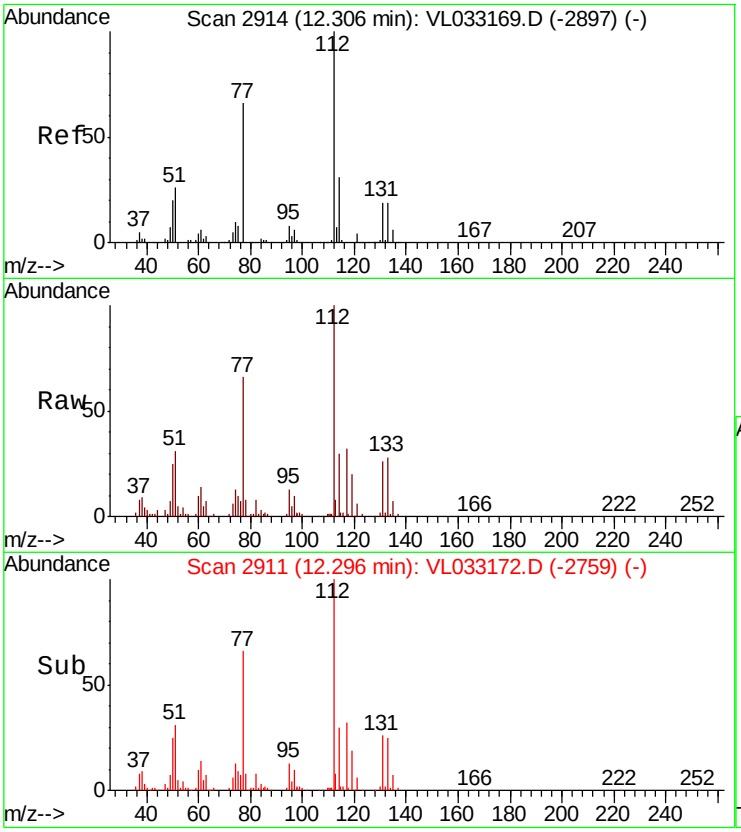


#56
1,1,1,2-Tetrachloroethane
Concen: 0.533 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:131 Resp: 65448

Ion	Ratio	Lower	Upper
131	100		
133	96.4	75.8	113.6
119	1334.0	48.1	72.1#

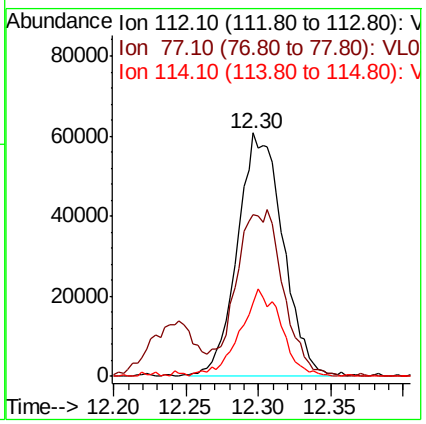




#57
Chlorobenzene
Concen: 0.569 ppbv m
RT: 12.30 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:112 Resp: 132803

Ion	Ratio	Lower	Upper
112	100		
77	66.2	54.0	81.0
114	30.2	27.9	34.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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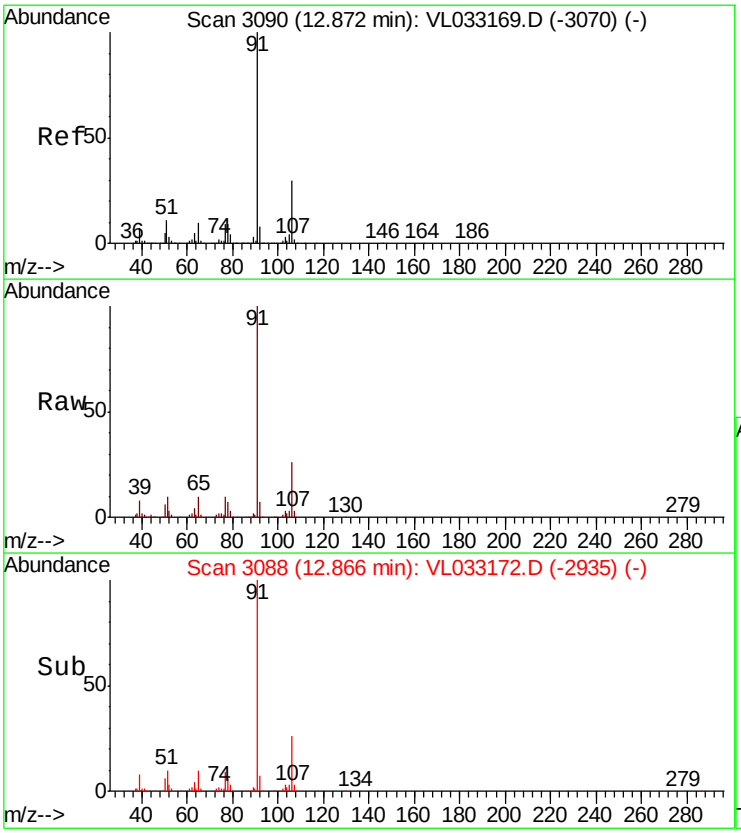
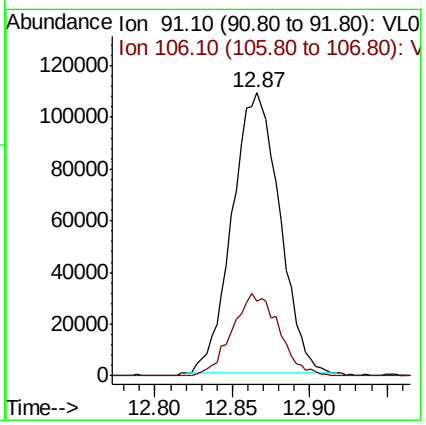
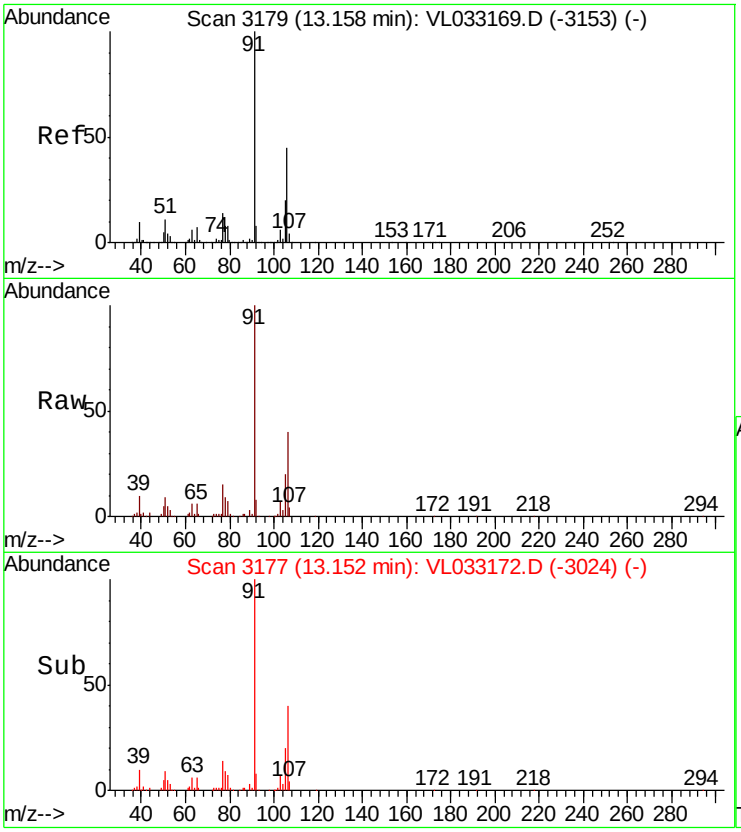


#58
Ethyl Benzene
Concen: 0.536 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 231932

Ion	Ratio	Lower	Upper
91	100		
106	26.7	23.8	35.8





#59
m/p-Xylene
Concen: 1.096 ppbv m
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 394703

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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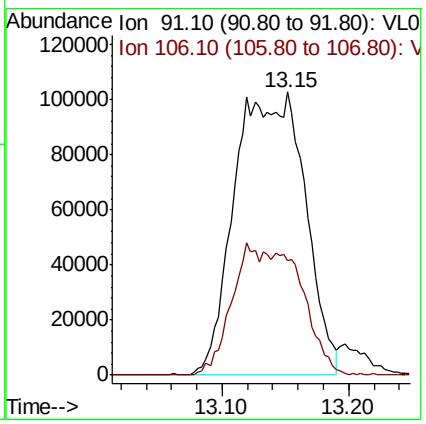
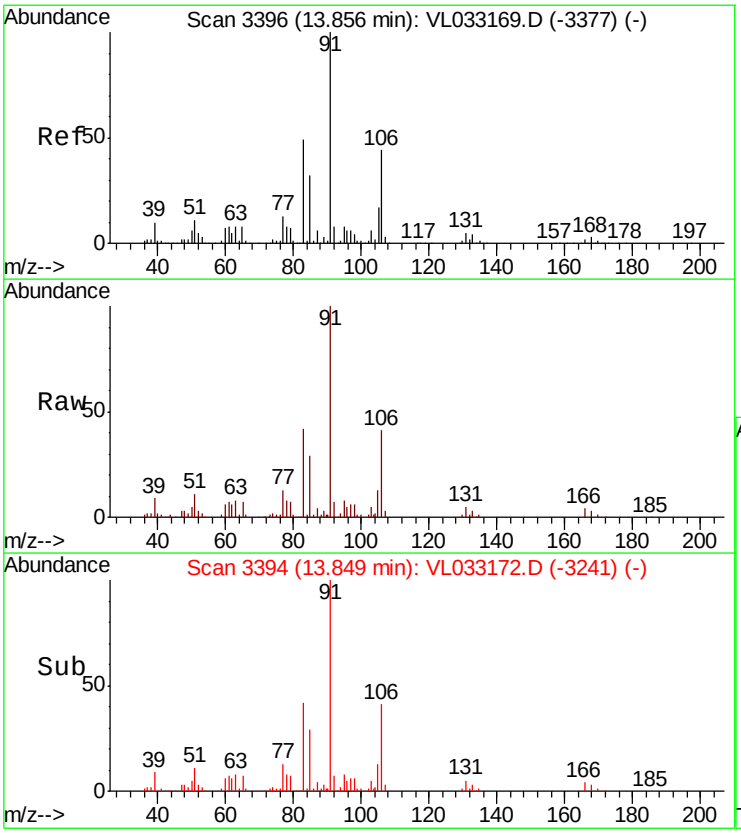
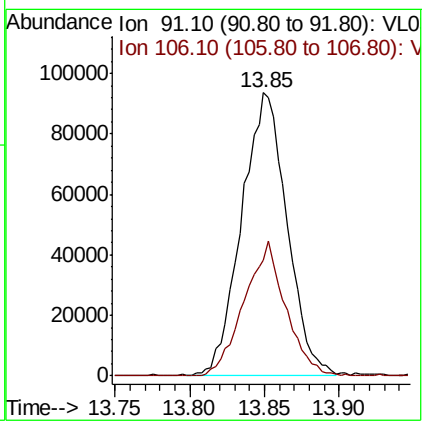


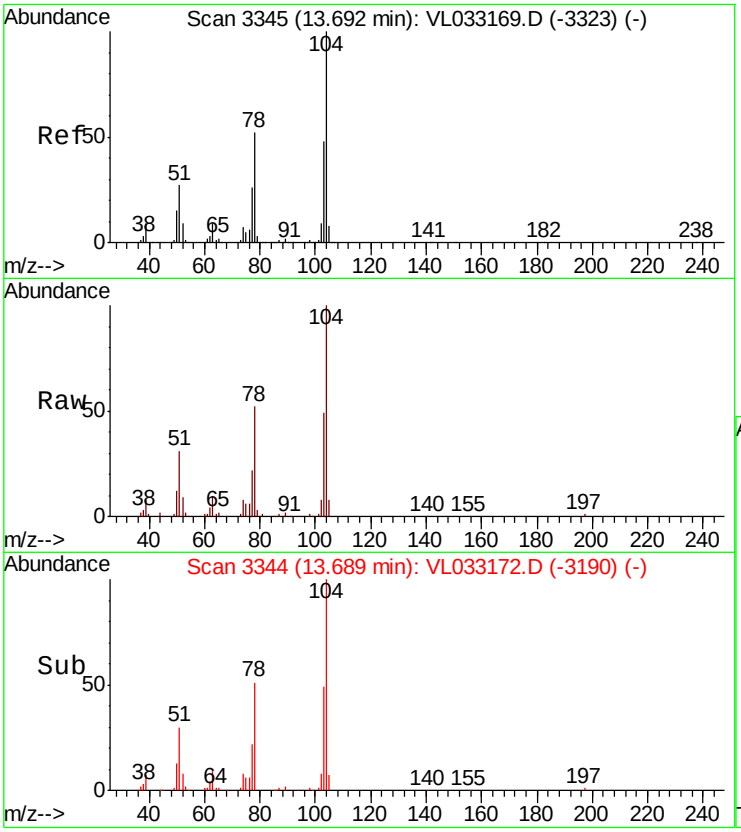


#60
o-Xylene
Concen: 0.560 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 196625

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.8	65.3





#61
Styrene
Concen: 0.516 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:104 Resp: 136786

Ion	Ratio	Lower	Upper
104	100		
78	56.0	41.9	62.9
103	47.2	37.9	56.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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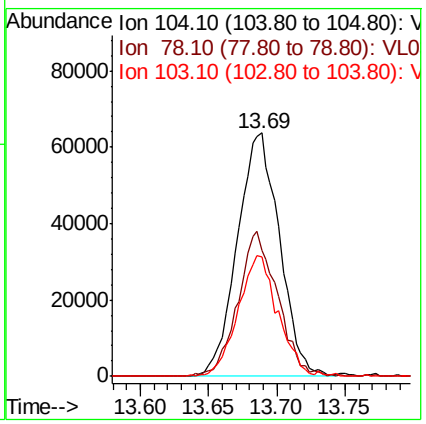
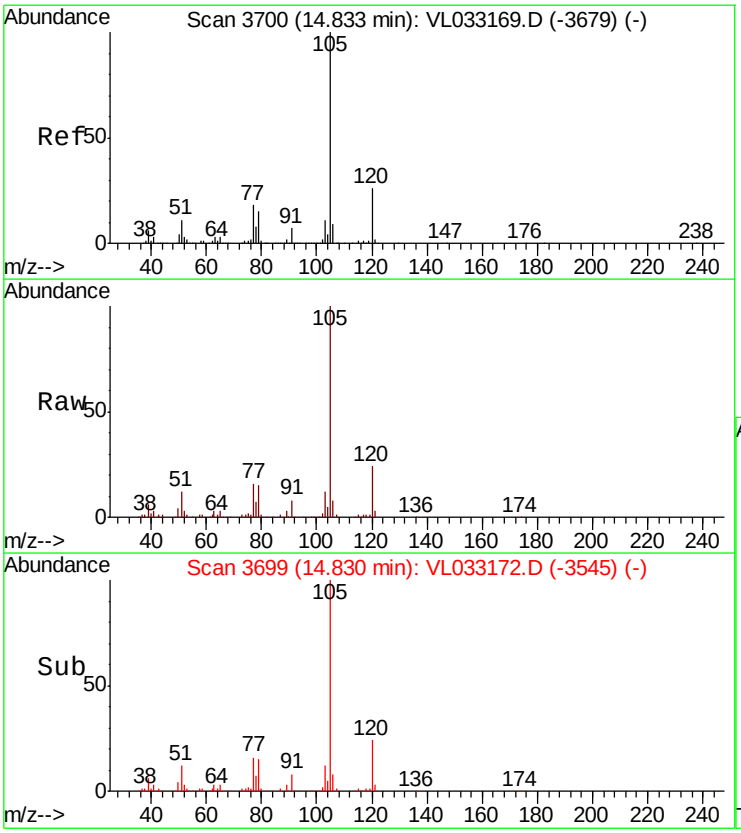
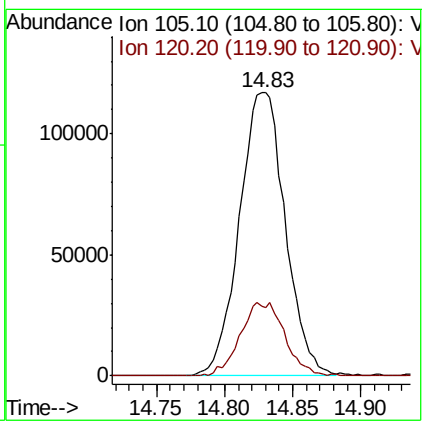


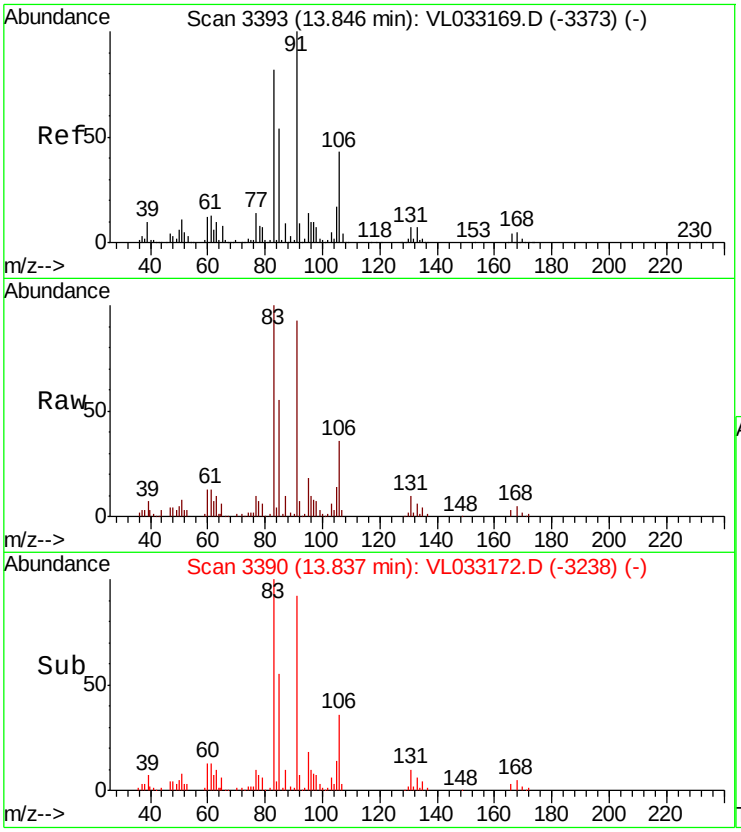


#62
Isopropylbenzene
Concen: 0.550 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:105 Resp: 272346

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.3	30.5

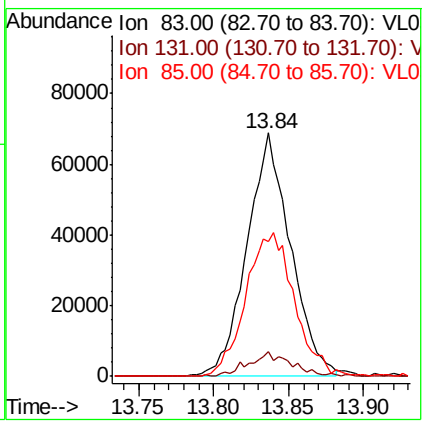




#63
1,1,2,2-Tetrachloroethane
Concen: 0.507 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 83 Resp: 139182

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	66.6	32.8	98.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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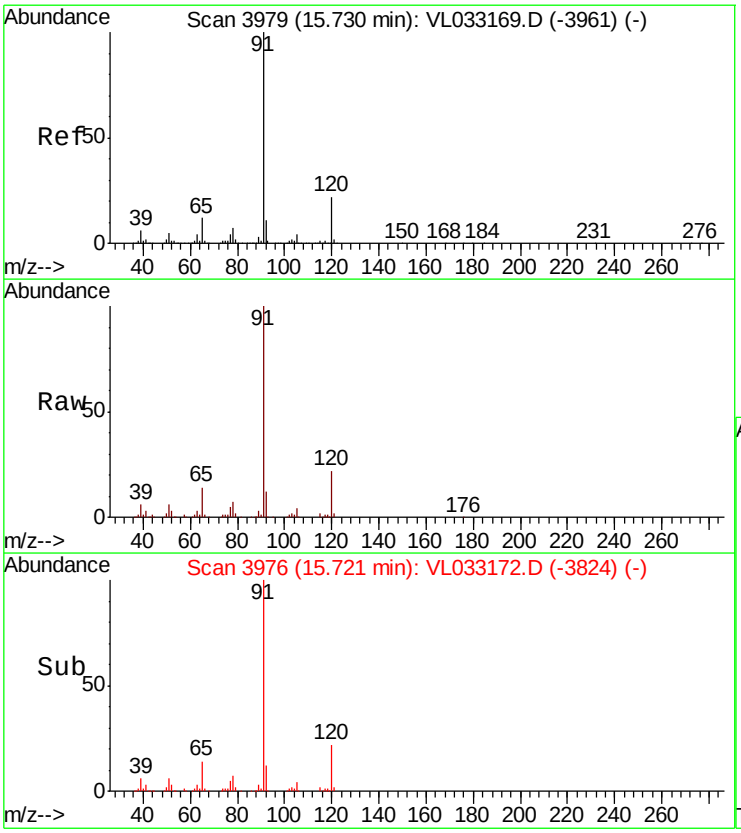
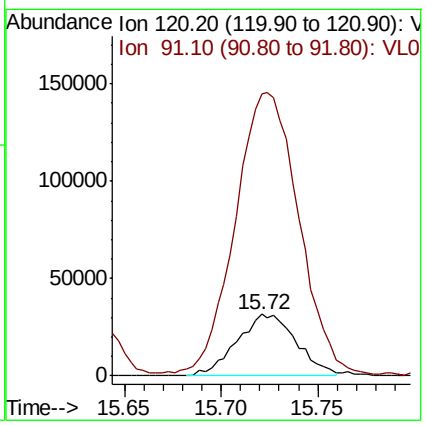
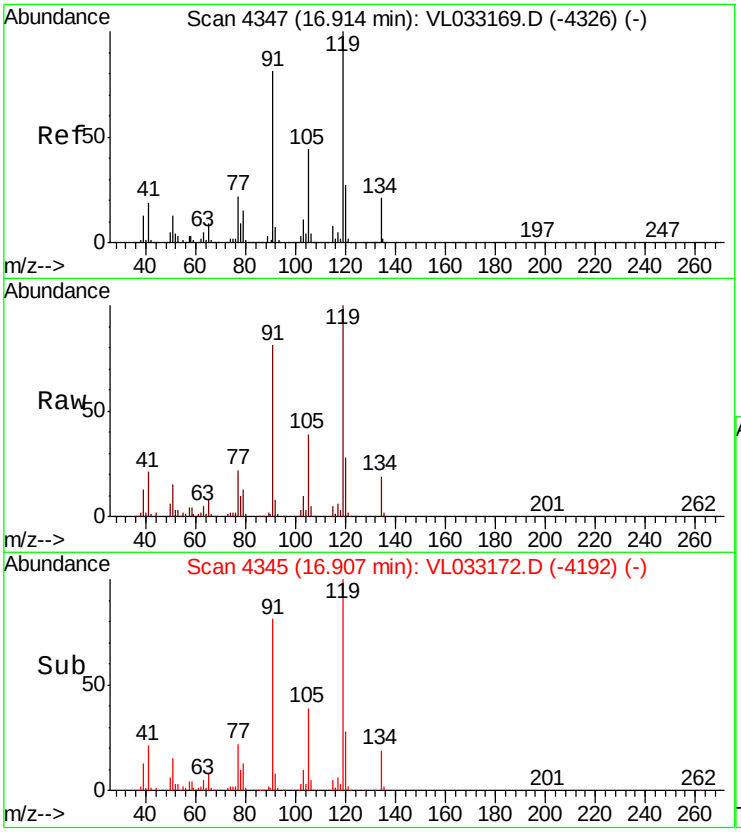


#64
n-propylbenzene
Concen: 0.533 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:120 Resp: 67152

Ion	Ratio	Lower	Upper
120	100		
91	503.3	383.9	575.9

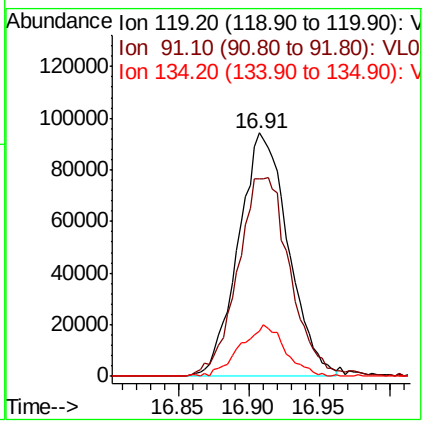




#65
tert-Butylbenzene
Concen: 0.540 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:119 Resp: 232843

Ion	Ratio	Lower	Upper
119	100		
91	86.1	65.6	98.4
134	19.4	15.8	23.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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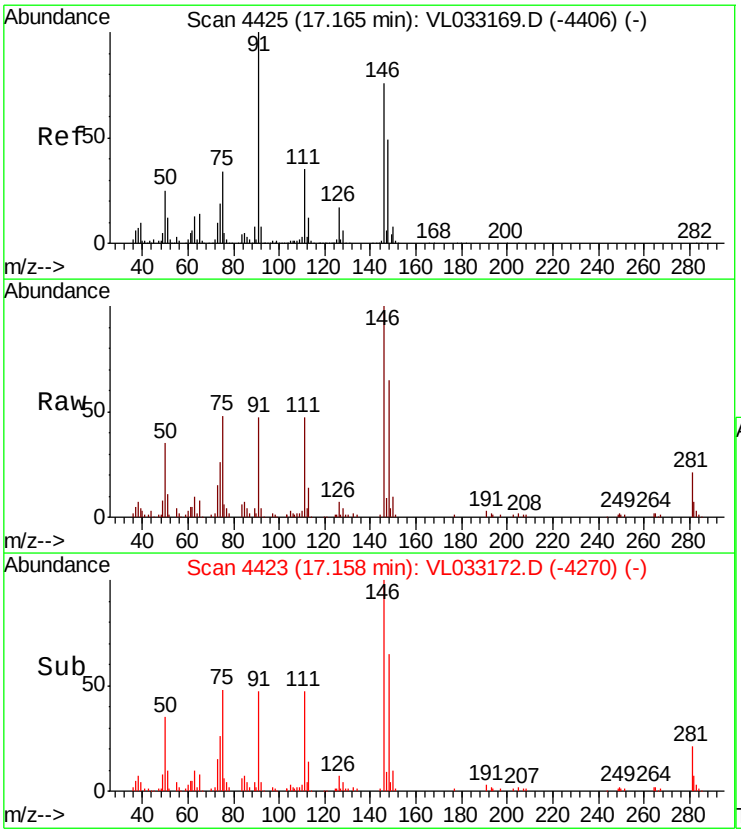
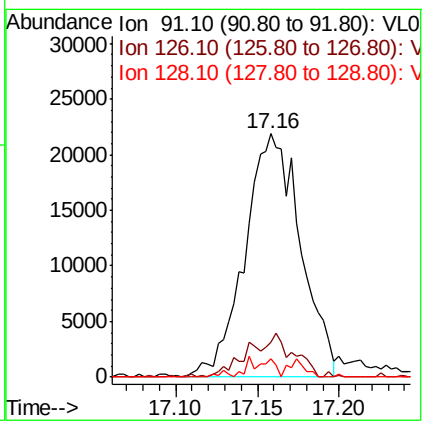
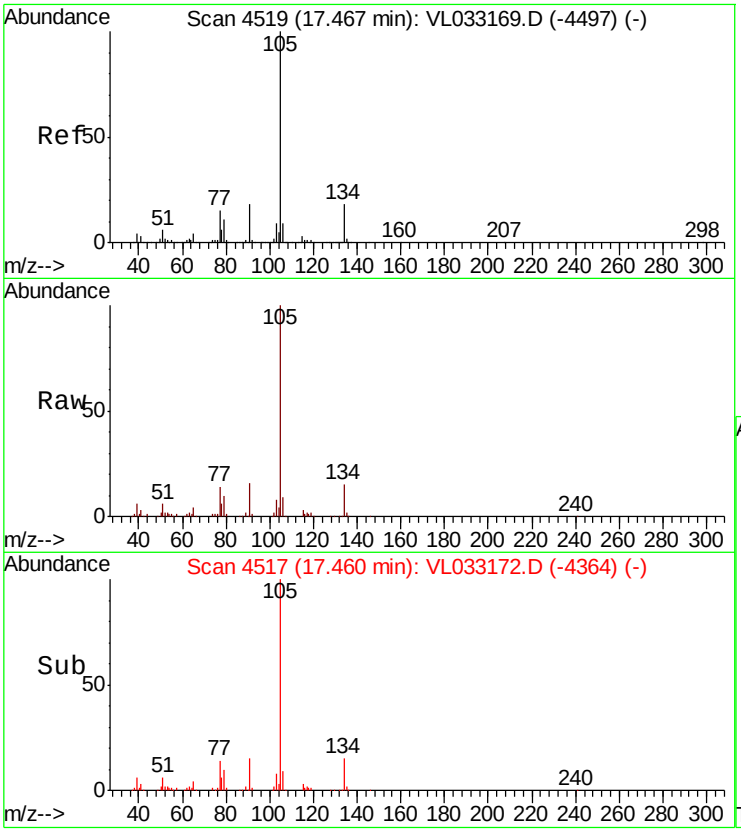


#66
Benzyl Chloride
Concen: 0.336 ppbv m
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 51813

Ion	Ratio	Lower	Upper
91	100		
126	14.7	13.8	20.6
128	5.9	4.5	6.7





#67
sec-Butylbenzene
Concen: 0.530 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:105 Resp: 331884

Ion	Ratio	Lower	Upper
105	100		
134	17.4	14.6	22.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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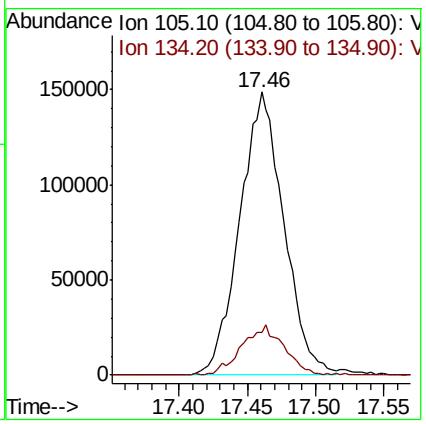
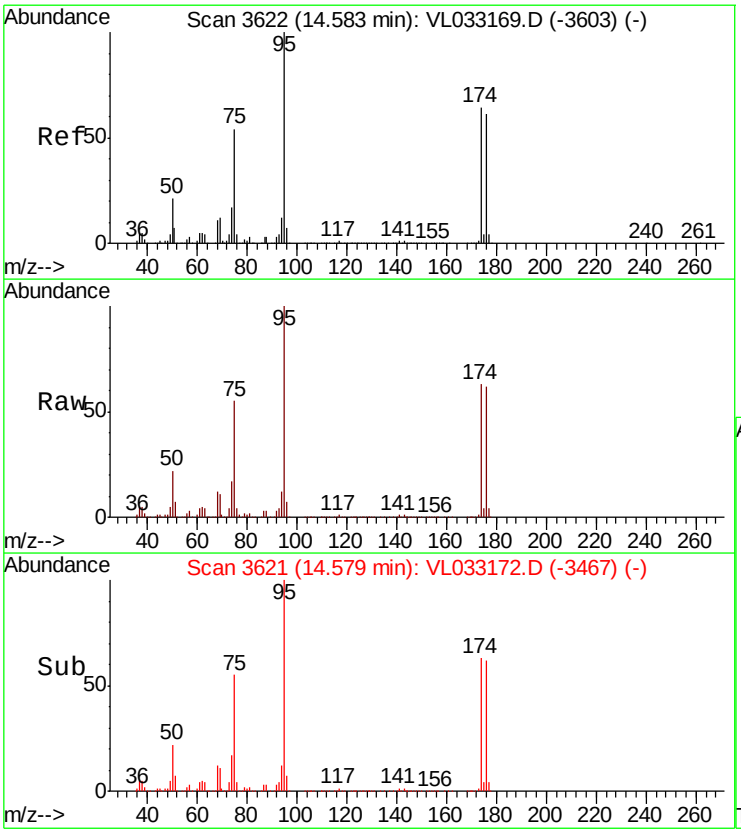
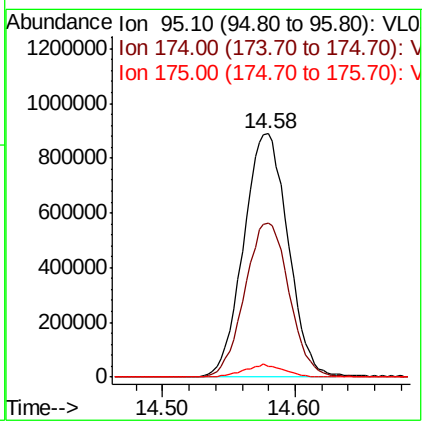


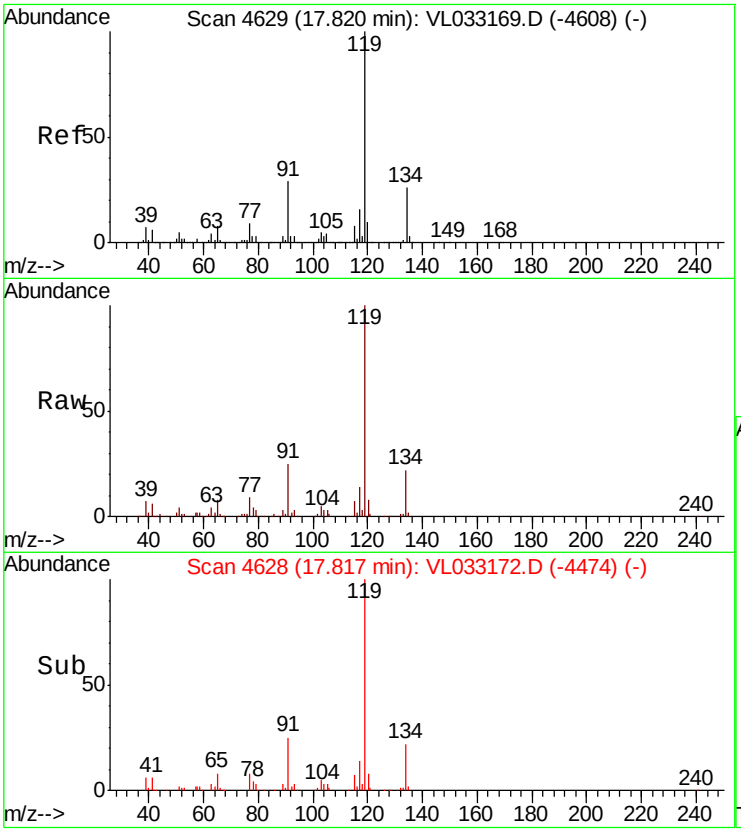


#68
1-Bromo-4-Fluorobenzene
Concen: 10.054 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 95 Resp: 2066402

Ion	Ratio	Lower	Upper
95	100		
174	63.6	51.1	76.7
175	4.7	3.8	5.6

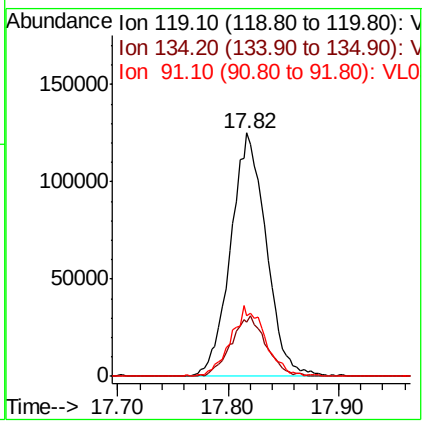




#69
p-Isopropyltoluene
Concen: 0.537 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:119 Resp: 279982

Ion	Ratio	Lower	Upper
119	100		
134	24.4	20.4	30.6
91	28.1	23.4	35.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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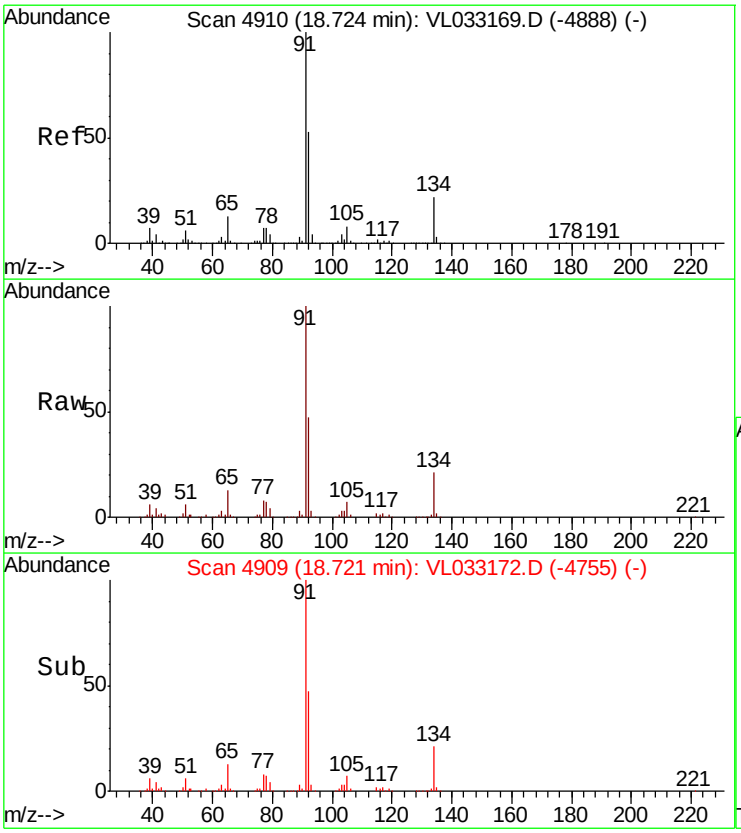
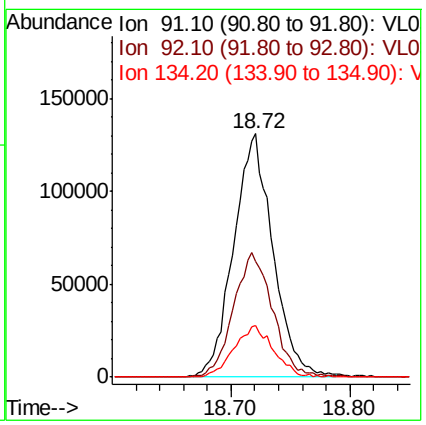
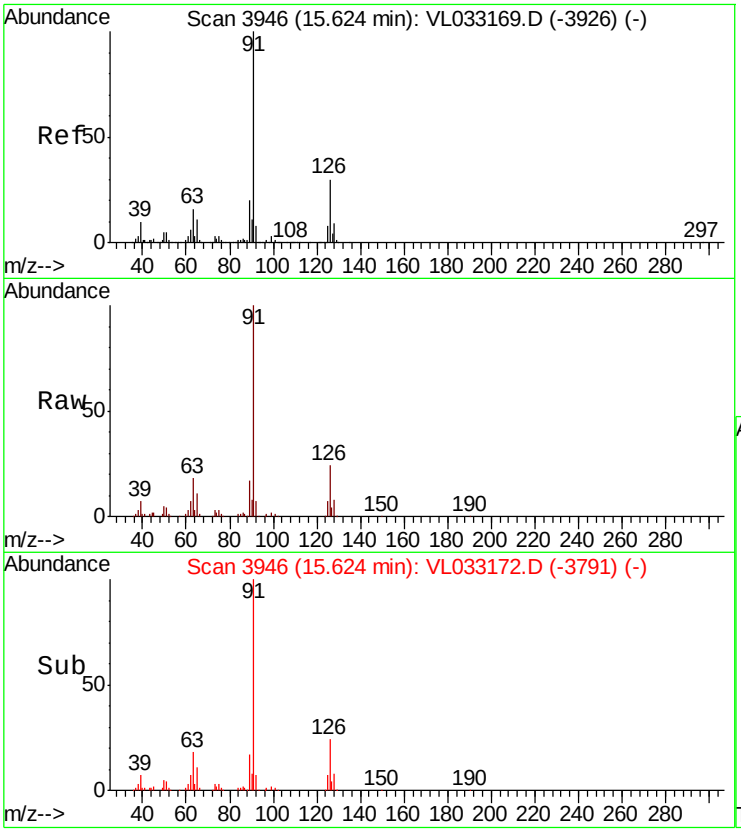


#70
n-Butylbenzene
Concen: 0.531 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 298852

Ion	Ratio	Lower	Upper
91	100		
92	51.3	43.0	64.4
134	21.3	17.5	26.3





#71
2-Chlorotoluene
Concen: 0.540 ppbv m
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion: 91 Resp: 210401

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.8	47.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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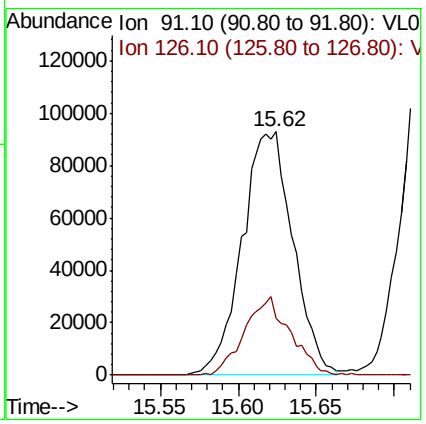
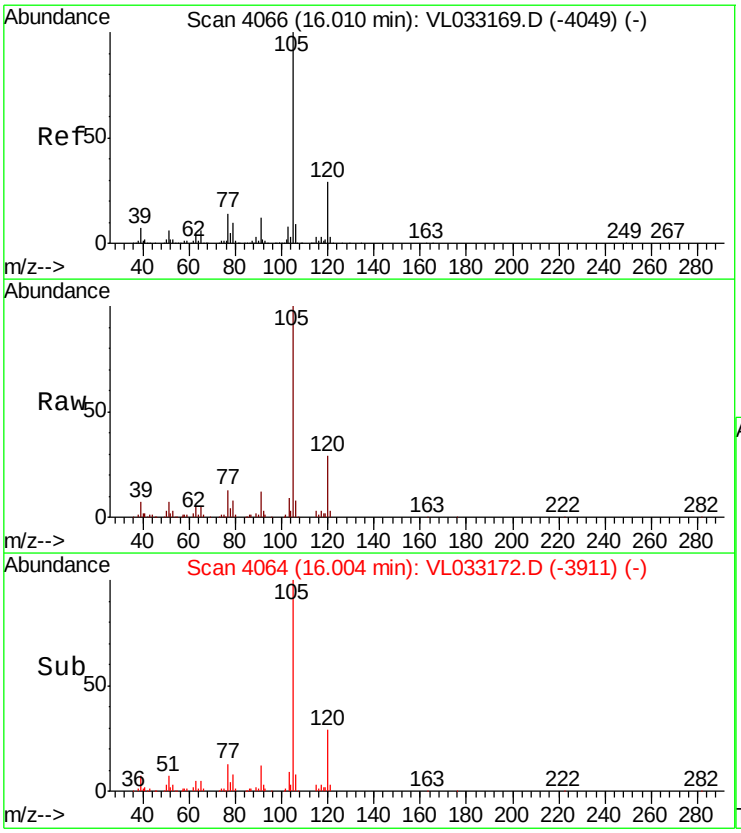
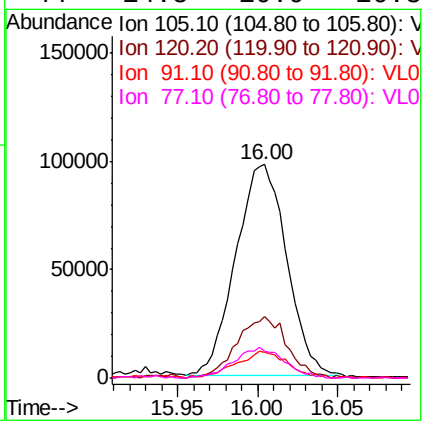


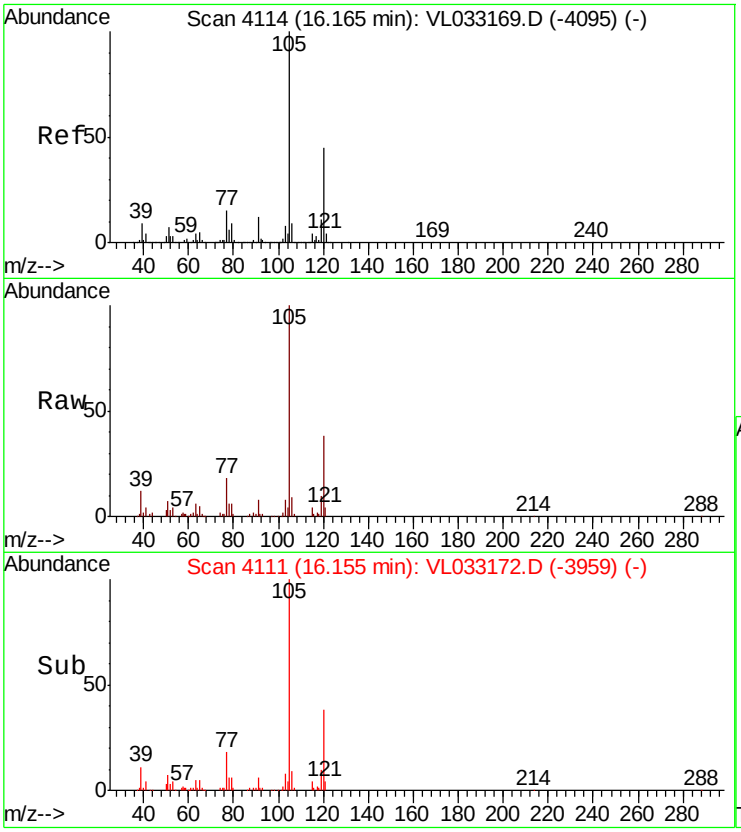


#72
4-Ethyltoluene
Concen: 0.521 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:105 Resp: 211050

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.1	34.7
91	13.7	9.8	14.6
77	14.5	10.9	16.3

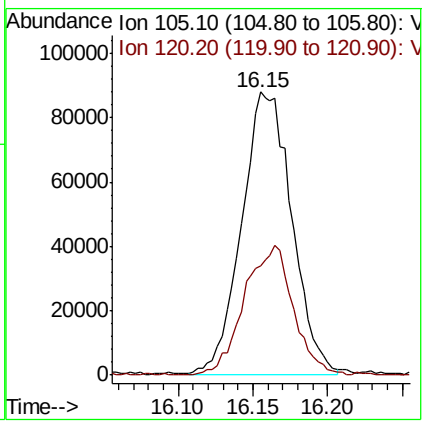




#73
1,3,5-Trimethylbenzene
Concen: 0.532 ppbv m
RT: 16.15 min Scan# 4111
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:105 Resp: 205948

Ion	Ratio	Lower	Upper
105	100		
120	38.4	36.2	54.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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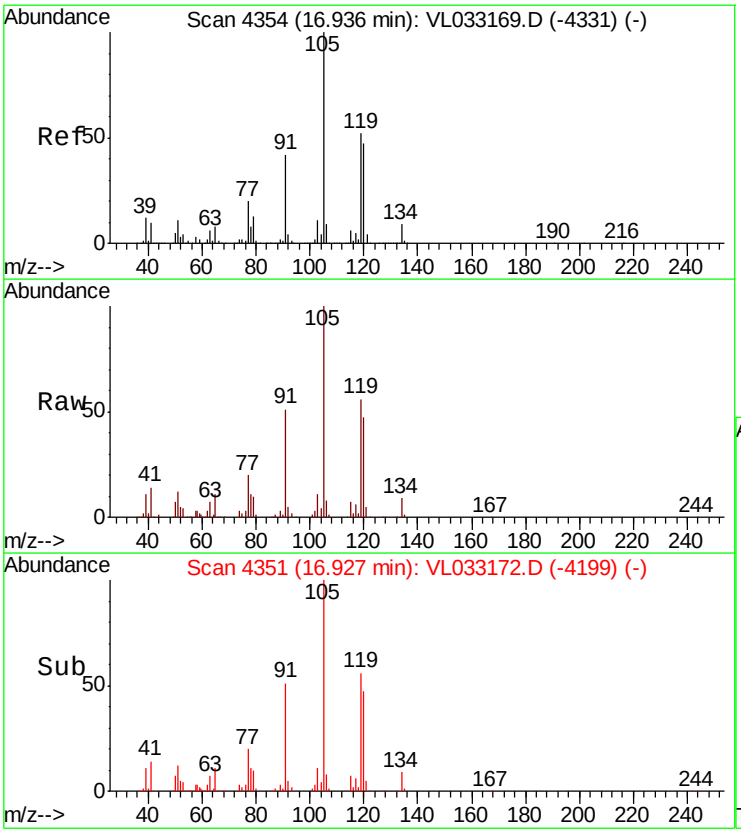
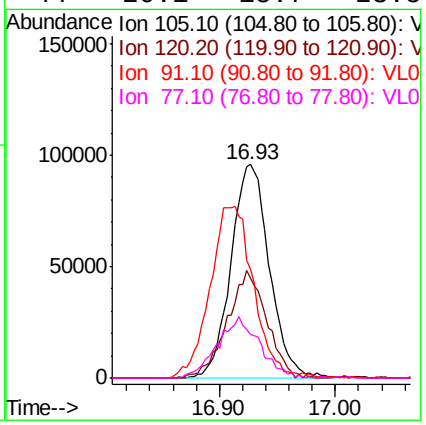
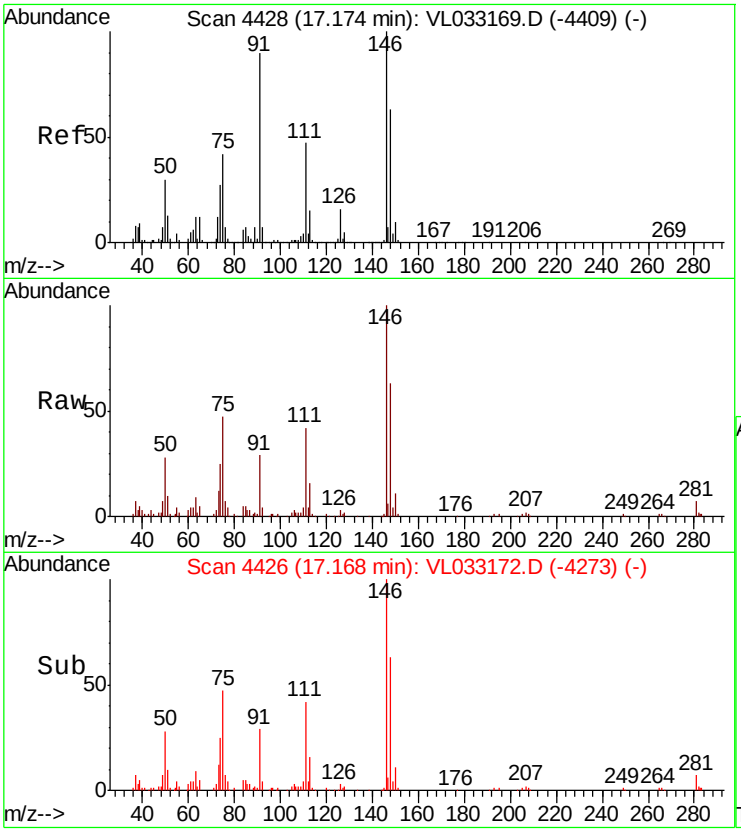


#74
1,2,4-Trimethylbenzene
Concen: 0.547 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:105 Resp: 219739

Ion	Ratio	Lower	Upper
105	100		
120	50.8	37.9	56.9
91	50.3	34.0	51.0
77	20.1	15.7	23.5

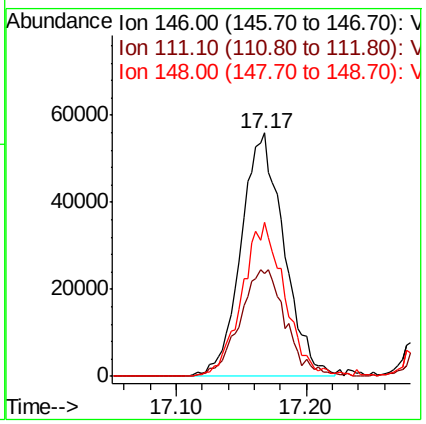




#75
1,3-Dichlorobenzene
Concen: 0.553 ppbv m
RT: 17.17 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:146 Resp: 128222

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.2	69.6
148	63.0	31.8	95.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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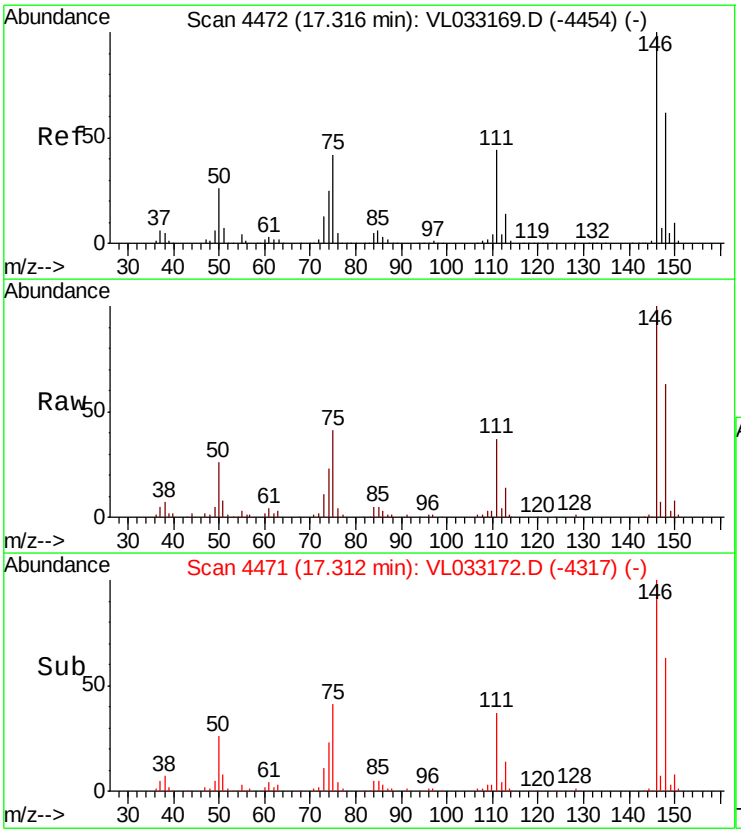
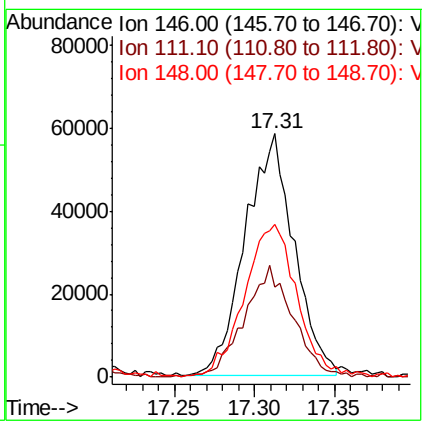
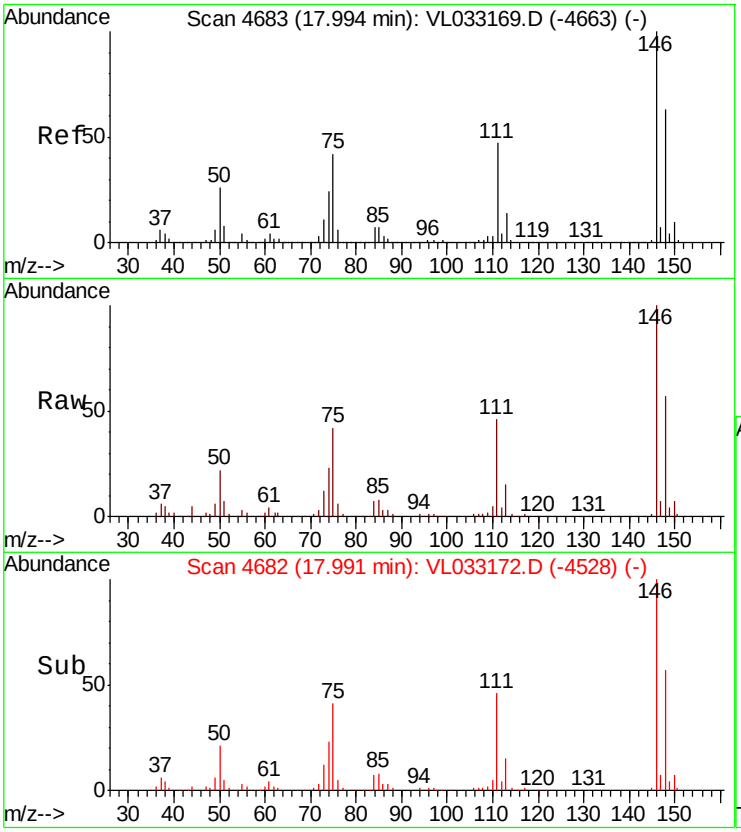


#76
1,4-Dichlorobenzene
Concen: 0.534 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:146 Resp: 122561

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.3	66.9
148	69.1	32.0	96.0

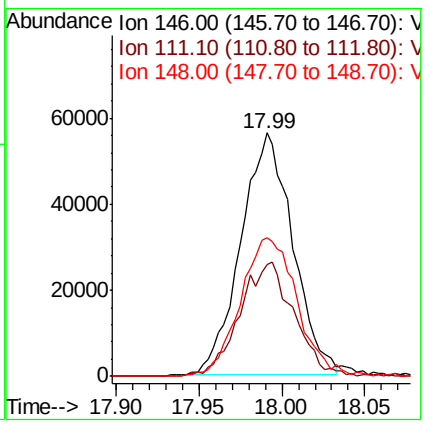




#77
1,2-Dichlorobenzene
Concen: 0.537 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:146 Resp: 122888

Ion	Ratio	Lower	Upper
146	100		
111	49.9	23.5	70.6
148	62.9	31.9	95.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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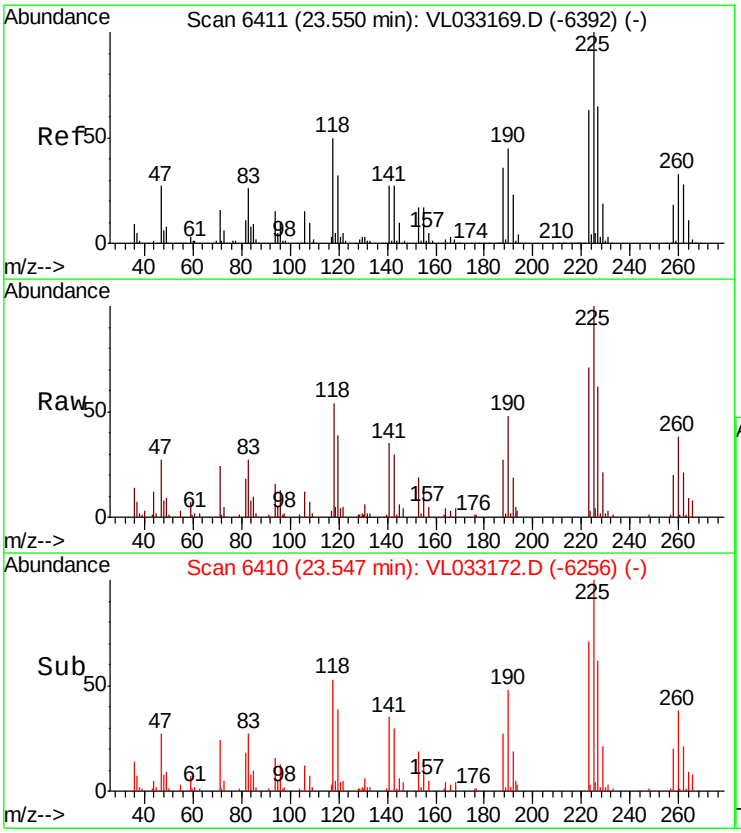
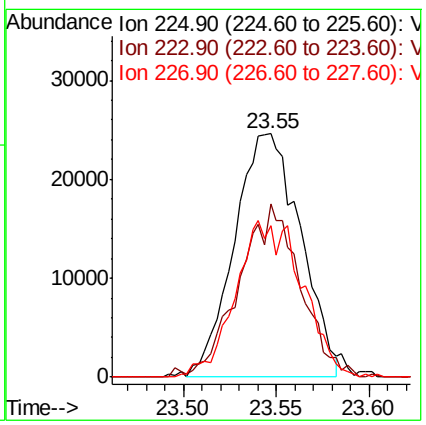
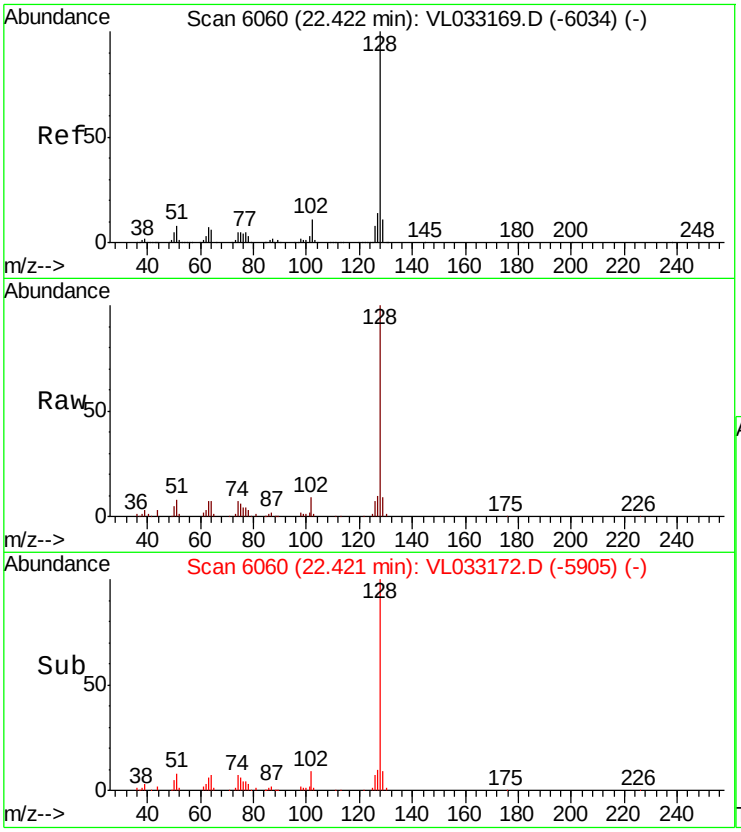


#78
Hexachloro-1,3-Butadiene
Concen: 0.538 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:225 Resp: 61269

Ion	Ratio	Lower	Upper
225	100		
223	66.1	50.6	75.8
227	64.8	51.4	77.2

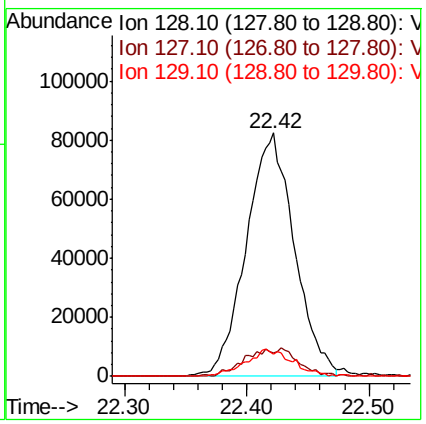




#79
Naphthalene
Concen: 0.521 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:128 Resp: 224760

Ion	Ratio	Lower	Upper
128	100		
127	9.6	11.0	16.4#
129	9.2	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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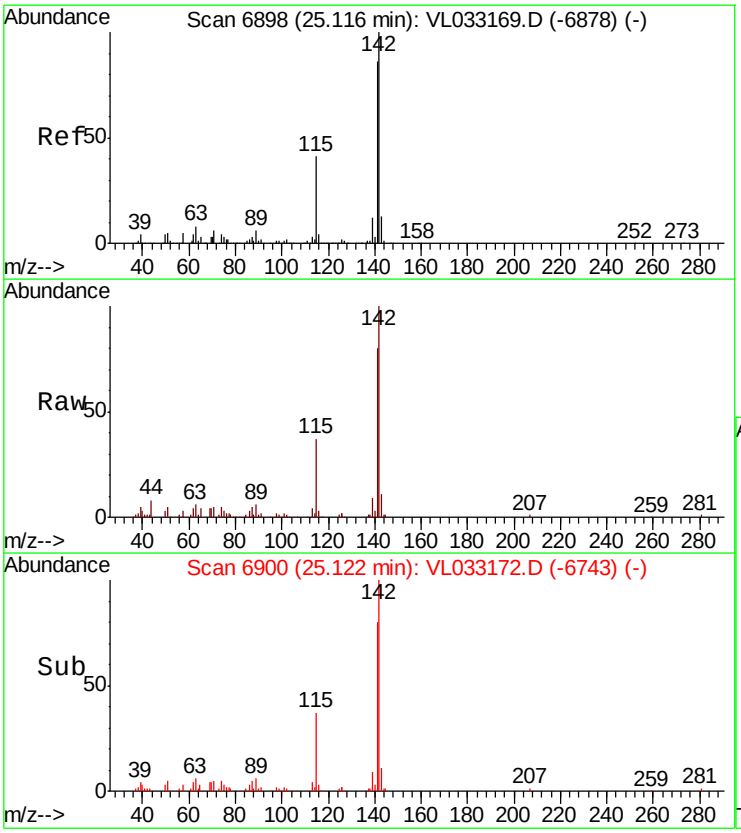
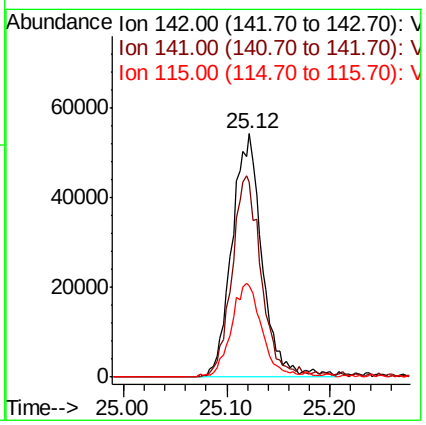
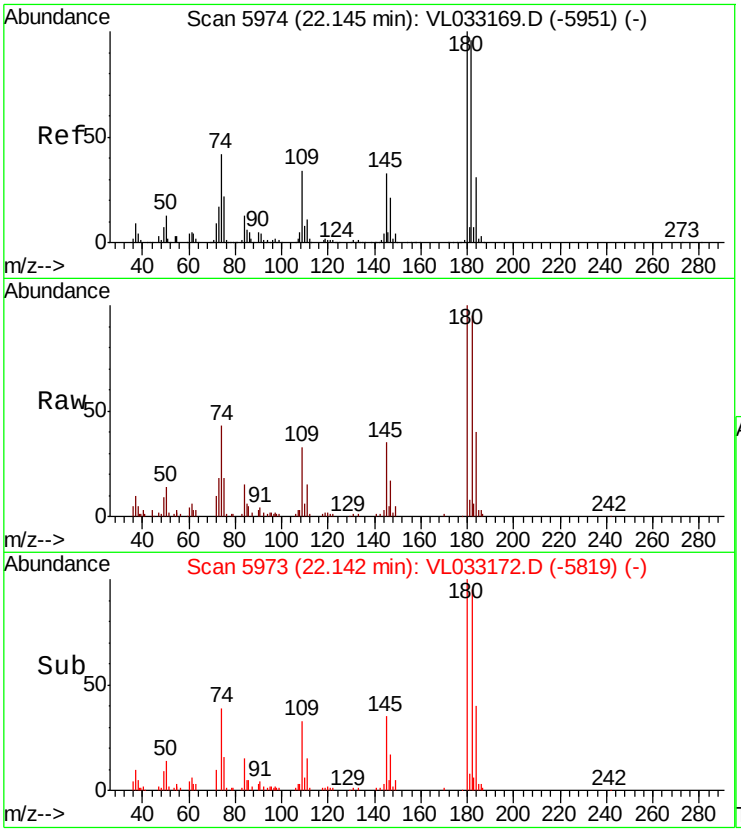


#80
Naphthalene,2-methyl-
Concen: 0.506 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:142 Resp: 110407

Ion	Ratio	Lower	Upper
142	100		
141	82.5	67.7	101.5
115	40.3	32.7	49.1

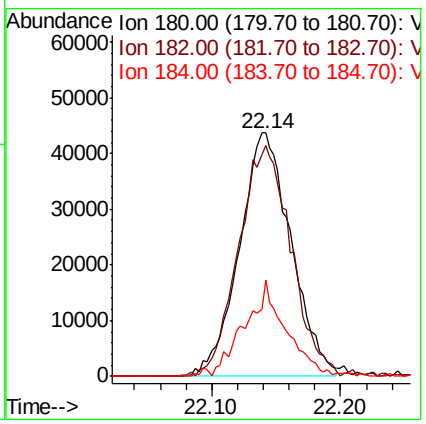




#81
1,2,4-Trichlorobenzene
Concen: 0.555 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. -0.00 min
Lab File: VL033172.D
Acq: 6 Feb 2019 3:46

Tgt Ion:180 Resp: 121808

Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.8
184	31.8	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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