Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL053118\
Data File : VL032022.D
Acq On : 31 May 2018 20:04
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
MMDadoda
6/4/2018 10:55:09 AM

Quant Time: Jun 01 02:29:20 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 0
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.87	49	1401293	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.41	114	2704213	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.37	117	2761104	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.71	95	2141961	9.99	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.15	85	1822586	10.20	ppbv	96
3) Chlorodifluoromethane	3.08	51	1439674	10.93	ppbv	100
4) Chloromethane	3.24	50	840089	12.32	ppbv	96
5) Vinyl Chloride	3.37	62	922327	11.87	ppbv	98
6) Bromomethane	3.59	94	668285	13.17	ppbv	96
7) Chloroethane	3.68	64	407091	13.69	ppbv	99
8) Dichlorotetrafluoroethane	3.29	85	2213884	12.11	ppbv	99
9) Propene	3.11	41	628776	13.17	ppbv	96
10) Heptane	8.37	43	2280256	13.73	ppbv	99
11) Trichlorofluoromethane	4.09	101	2798813	12.32	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.65	101	2293821	14.20	ppbv	100
13) Ethanol	3.73	45	186063	10.41	ppbv	100
14) Bromoethene	3.87	108	746707	12.84	ppbv	98
15) Acetone	3.99	43	1864086	9.53	ppbv	100
16) 1,3-Butadiene	3.44	39	800695	12.64	ppbv	95
17) tert-Butyl alcohol	4.45	59	968123	11.84	ppbv	99
18) 1,1-Dichloroethene	4.44	96	1057017	15.01	ppbv	93
19) Isopropyl Alcohol	4.11	45	1250767	11.47	ppbv	100
20) Methylene Chloride	4.50	84	1007952	14.89	ppbv	97
21) Allyl Chloride	4.57	41	1651604	14.49	ppbv	99
22) trans-1,2-Dichloroethene	5.06	96	1104549	14.10	ppbv	98
23) Vinyl Acetate	5.26	43	3142584	13.81	ppbv	99
24) 1,1-Dichloroethane	5.19	63	2915977	13.59	ppbv	99
25) Ethyl Acetate	5.87	43	4494243	13.19	ppbv	100
26) Hexane	5.89	57	2152372	13.39	ppbv	99
27) Carbon Disulfide	4.72	76	2901881	15.70	ppbv	100
28) Methyl tert-Butyl Ether	5.22	73	2757091	13.96	ppbv	99
29) Chloroform	5.96	83	3380923	13.18	ppbv	96
30) Cyclohexane	7.36	84	1420669	13.39	ppbv	98
31) cis-1,2-Dichloroethene	5.75	61	2130535	14.45	ppbv	98
32) 1,1,1-Trichloroethane	6.74	97	2788634	11.97	ppbv	100
34) 2-Butanone	5.43	43	2971063	13.29	ppbv	100
35) Carbon Tetrachloride	7.25	117	2944849	13.59	ppbv	98
36) Benzene	7.13	78	3478186	13.69	ppbv	100
37) 1,2-Dichloroethane	6.53	62	2232767	12.43	ppbv	99
38) Trichloroethene	8.08	130	1388199	14.29	ppbv	97
39) 1,2-Dichloropropane	7.86	63	1249530	14.06	ppbv	97
40) 1,4-Dioxane	8.07	88	541645	13.59	ppbv	99
41) Tetrahydrofuran	6.26	42	1519545	15.75	ppbv	99
42) Bromodichloromethane	8.04	83	2975085	14.44	ppbv	100
43) Methyl Methacrylate	8.26	69	1281253	14.78	ppbv	98

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL053118\
Data File : VL032022.D
Acq On : 31 May 2018 20:04
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
MMDadoda
6/4/2018 10:55:09 AM

Quant Time: Jun 01 02:29:20 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 0
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.12	57	5740258	13.89	ppbv		100
45) t-1,3-Dichloropropene	9.54	75	1934766	16.80	ppbv		99
46) cis-1,3-Dichloropropene	8.96	75	2284464	16.09	ppbv		100
47) 1,1,2-Trichloroethane	9.75	97	1518160	14.41	ppbv		98
48) Dibromochloromethane	10.58	129	2597431	15.27	ppbv		99
49) Bromoform	13.34	173	2123573	15.92	ppbv		99
50) 4-Methyl-2-Pentanone	8.99	43	3106253	14.72	ppbv		100
51) 2-Hexanone	10.39	43	2892385	15.04	ppbv	#	100
52) Tetrachloroethene	11.50	164	1376619	14.55	ppbv		98
53) Toluene	10.08	91	4218374	15.31	ppbv		100
54) 1,2-Dibromoethane	10.89	107	2329347	14.85	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.41	131	1811478	14.24	ppbv	#	75
57) Chlorobenzene	12.44	112	3356618	13.89	ppbv		98
58) Ethyl Benzene	13.00	91	6013554	15.03	ppbv		99
59) m/p-Xylene	13.28	91	9894679m	28.93	ppbv		
60) o-Xylene	13.98	91	5061783	14.75	ppbv		100
61) Styrene	13.82	104	1206364	17.39	ppbv		99
62) Isopropylbenzene	14.96	105	6424283	14.71	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.97	83	3427066	14.12	ppbv		99
64) n-propylbenzene	15.85	120	1649477	15.02	ppbv		96
65) tert-Butylbenzene	17.04	119	5589554	14.38	ppbv		99
66) Benzyl Chloride	17.29	91	730059	20.14	ppbv		99
67) sec-Butylbenzene	17.59	105	8057212	14.89	ppbv		100
69) p-Isopropyltoluene	17.95	119	6602719	15.23	ppbv		99
70) n-Butylbenzene	18.84	91	6892533	15.39	ppbv		99
71) 2-Chlorotoluene	15.75	91	4931045	15.37	ppbv		100
72) 4-Ethyltoluene	16.13	105	5395178	15.48	ppbv		100
73) 1,3,5-Trimethylbenzene	16.29	105	4920901	15.37	ppbv		98
74) 1,2,4-Trimethylbenzene	17.06	105	5158391	14.50	ppbv		96
75) 1,3-Dichlorobenzene	17.30	146	3295229	14.90	ppbv		100
76) 1,4-Dichlorobenzene	17.44	146	3353261	15.34	ppbv		100
77) 1,2-Dichlorobenzene	18.12	146	3281938	14.89	ppbv		100
78) Hexachloro-1,3-Butadiene	23.67	225	1167586	12.95	ppbv		99
79) Naphthalene	22.56	128	4288772	17.56	ppbv		98
80) Naphthalene,2-methyl-	25.21	142	1272281	19.76	ppbv		99
81) 1,2,4-Trichlorobenzene	22.29	180	2182646	16.13	ppbv		98

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

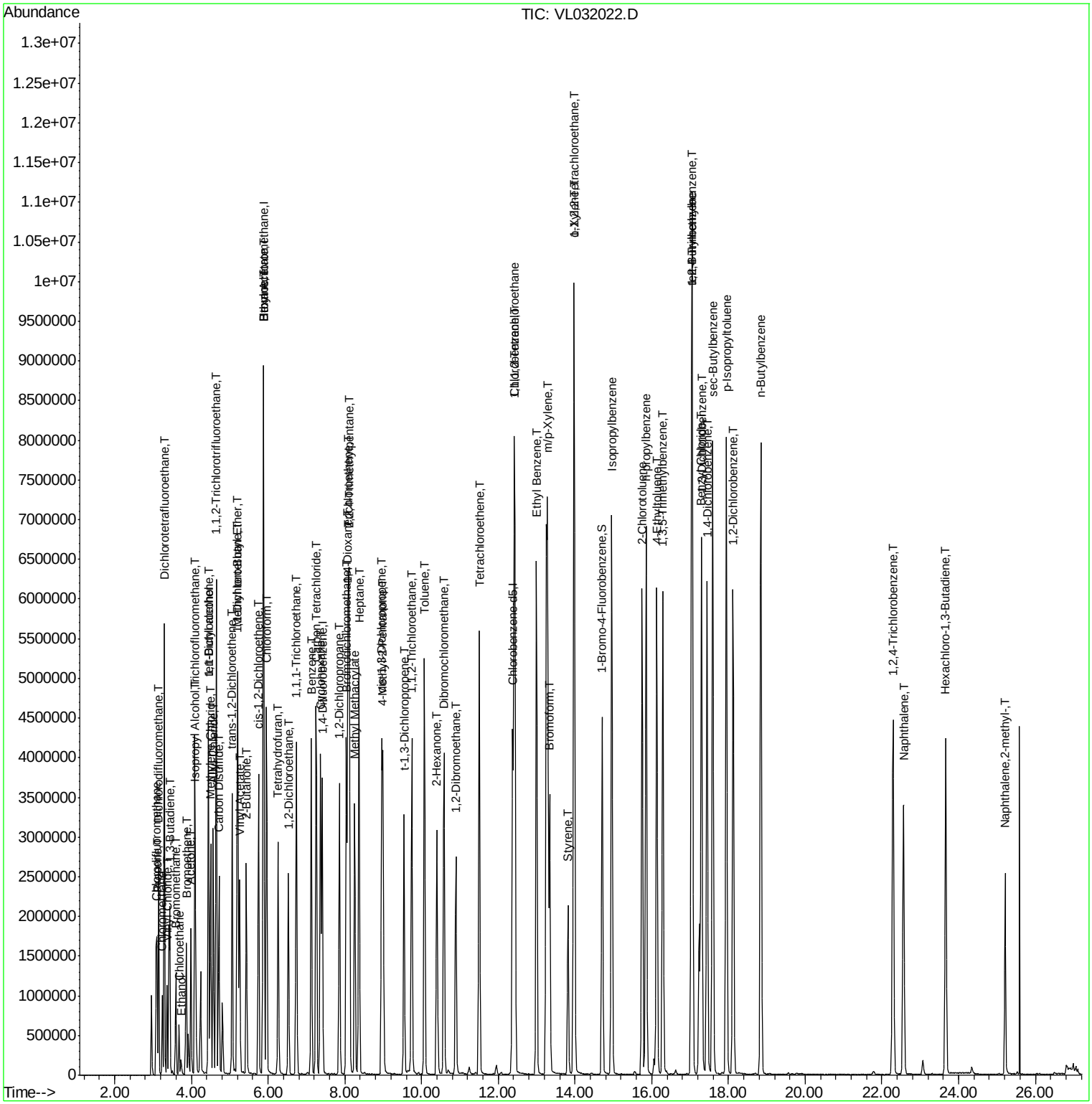
Quantitation Report (QT Reviewed)

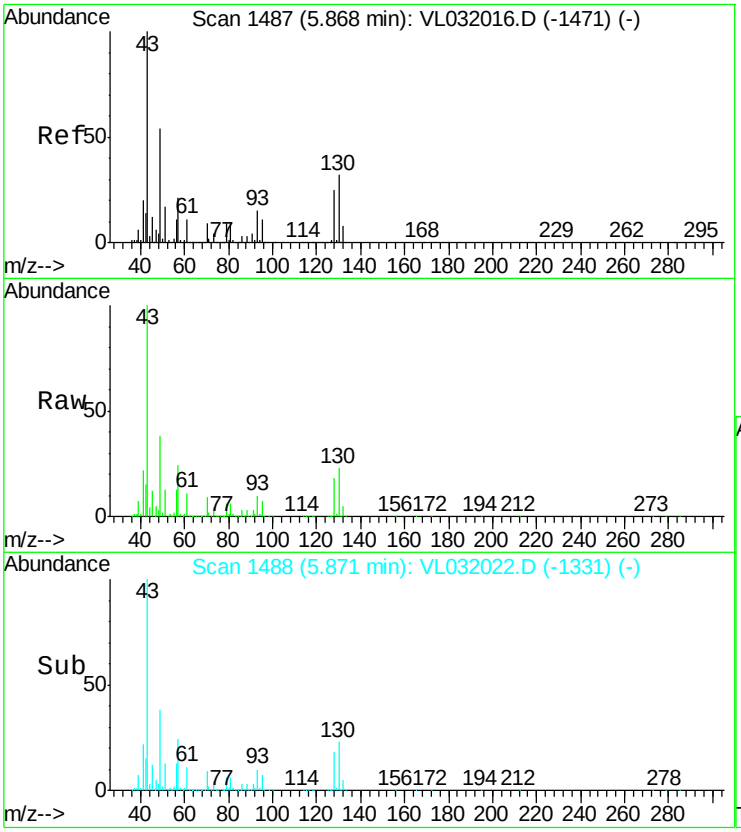
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL053118\
Data File : VL032022.D
Acq On : 31 May 2018 20:04
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 01 02:29:20 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
MMDadoda
6/4/2018 10:55:09 AM

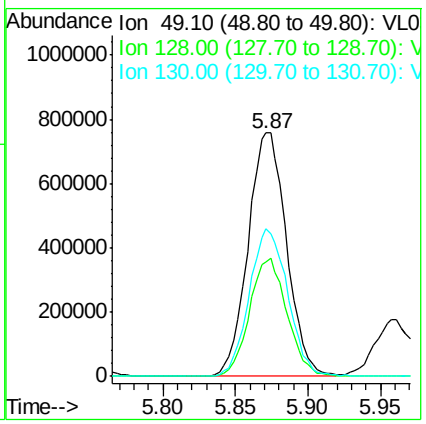




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.87 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

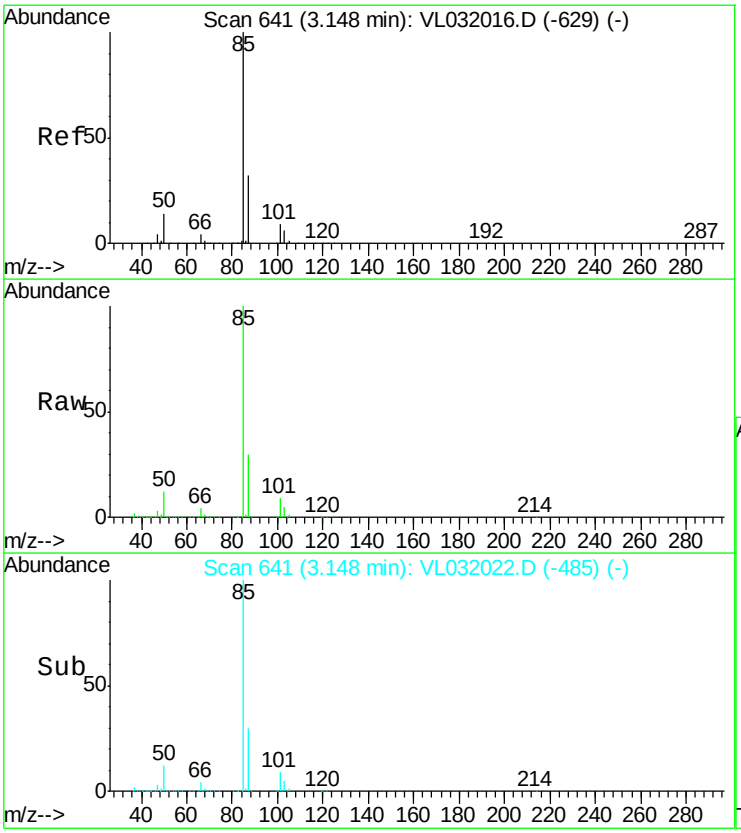
Tgt Ion: 49 Resp: 1401293

Ion	Ratio	Lower	Upper
49	100		
128	47.5	24.1	72.3
130	61.0	30.9	92.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

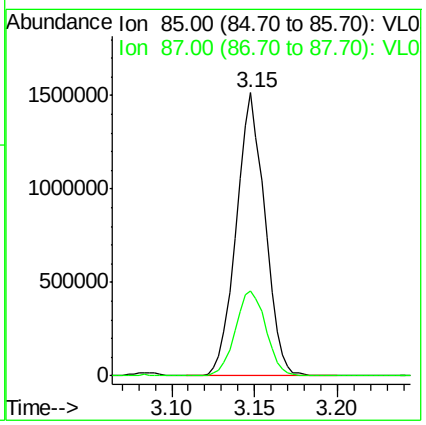
Manual Integrations APPROVED
MMDadoda
6/4/2018 10:55:09 AM

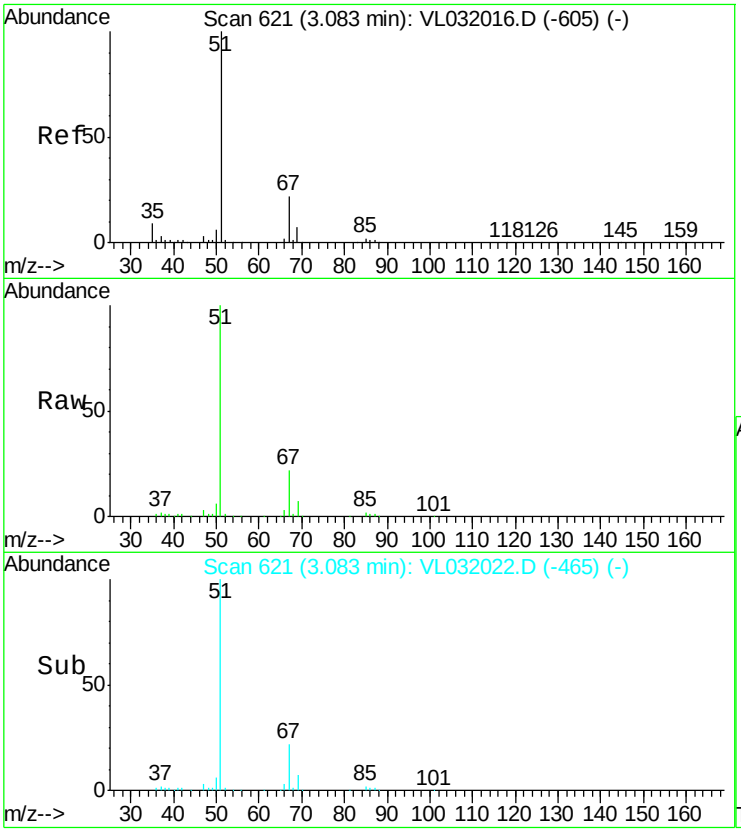


#2
Dichlorodifluoromethane
Concen: 10.20 ppbv
RT: 3.15 min Scan# 641
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 85 Resp: 1822586

Ion	Ratio	Lower	Upper
85	100		
87	29.8	25.5	38.3

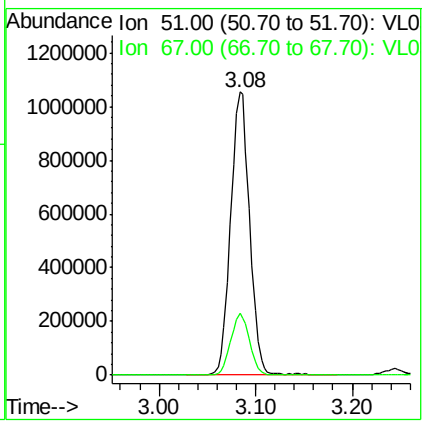




#3
Chlorodifluoromethane
Concen: 10.93 ppbv
RT: 3.08 min Scan# 621
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 51 Resp: 1439674

Ion	Ratio	Lower	Upper
51	100		
67	21.6	17.2	25.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
MMDadoda
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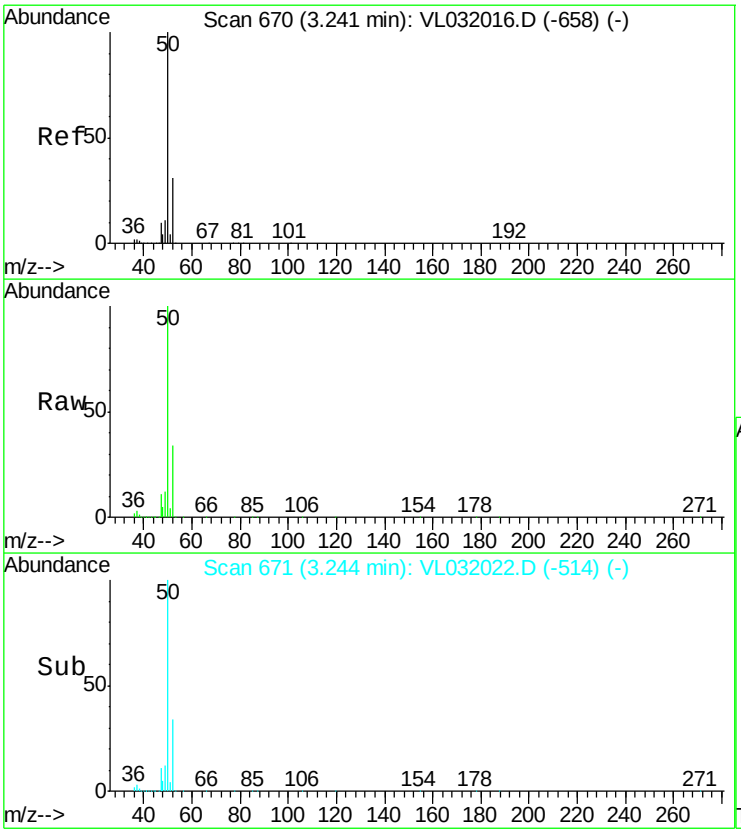
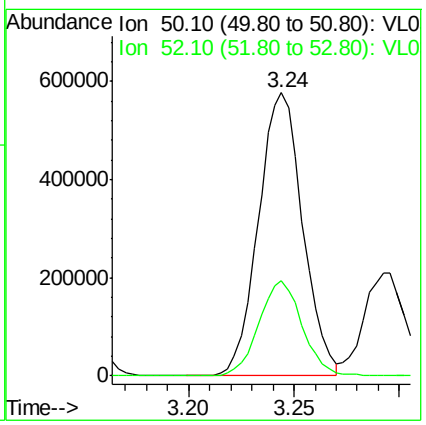
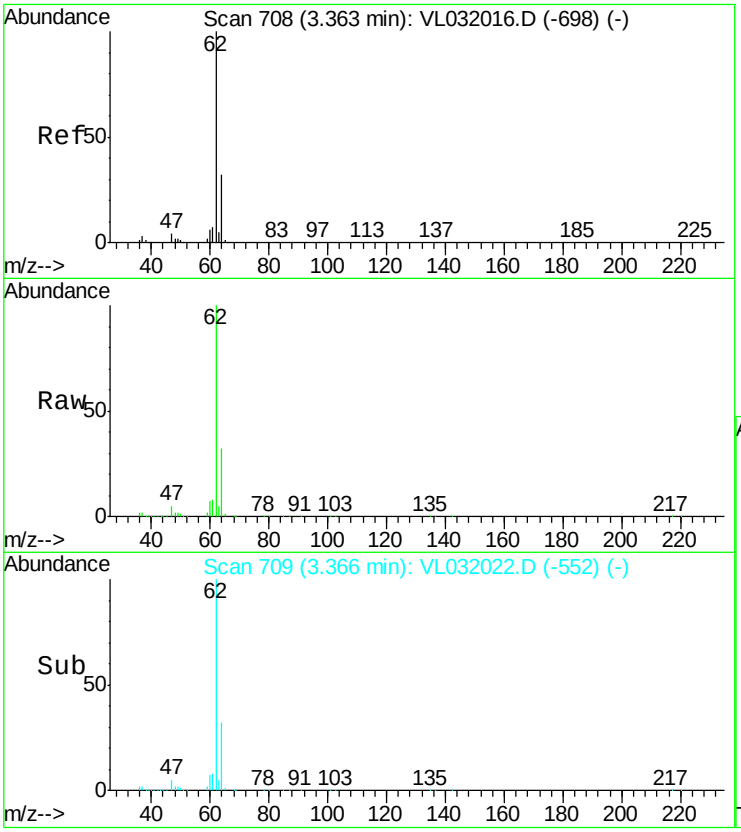


#4
Chloromethane
Concen: 12.32 ppbv
RT: 3.24 min Scan# 671
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 50 Resp: 840089

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.0	37.6

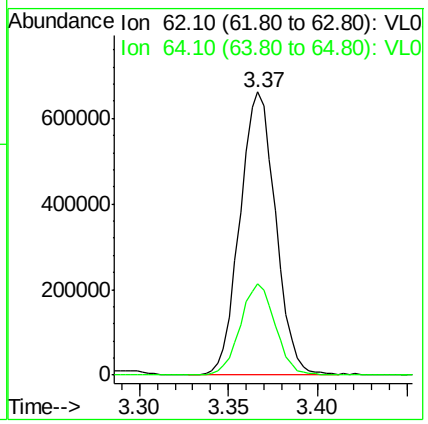




#5
Vinyl Chloride
Concen: 11.87 ppbv
RT: 3.37 min Scan# 709
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 62 Resp: 922327

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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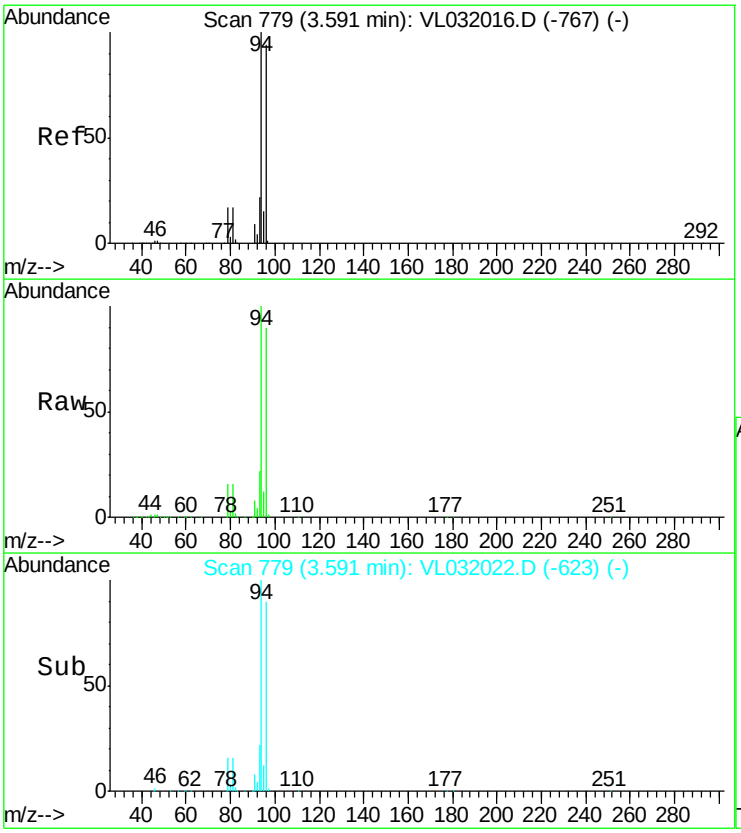
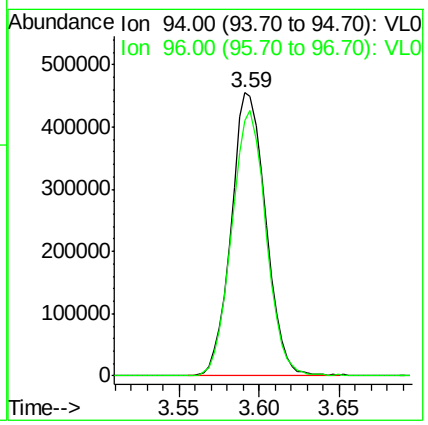
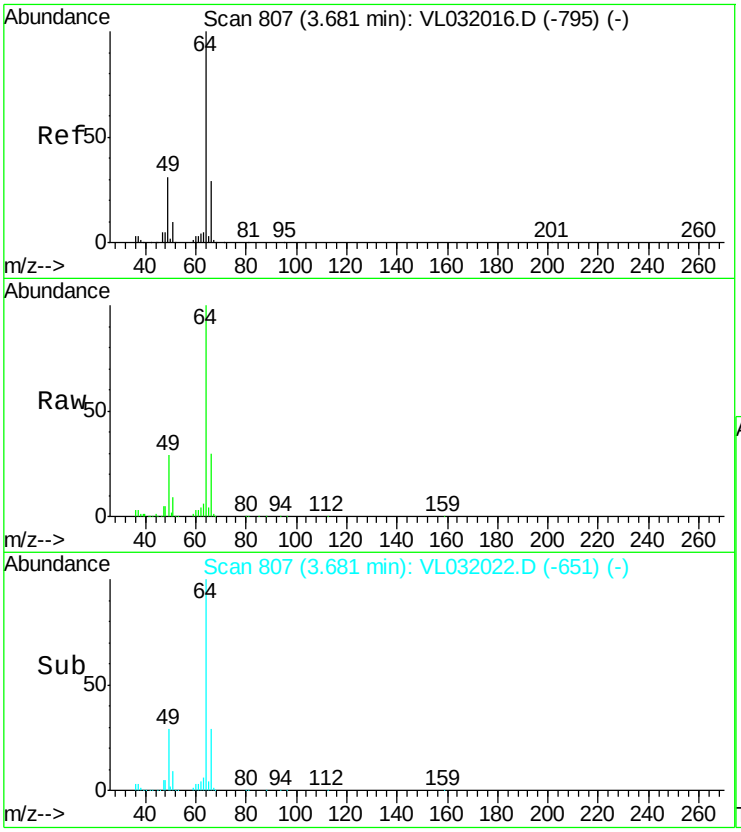


#6
Bromomethane
Concen: 13.17 ppbv
RT: 3.59 min Scan# 779
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 94 Resp: 668285

Ion	Ratio	Lower	Upper
94	100		
96	90.0	75.1	112.7

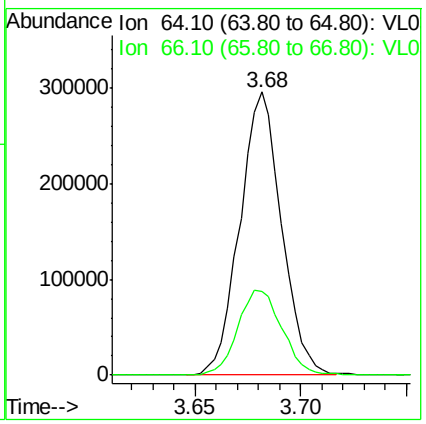




#7
Chloroethane
Concen: 13.69 ppbv
RT: 3.68 min Scan# 807
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 64 Resp: 407091

Ion	Ratio	Lower	Upper
64	100		
66	29.6	23.4	35.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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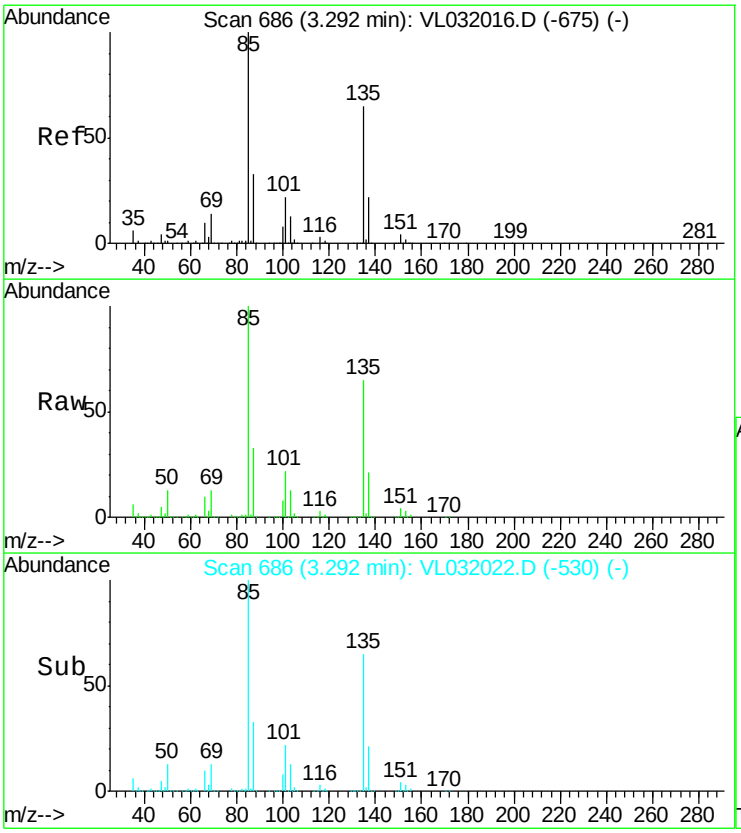
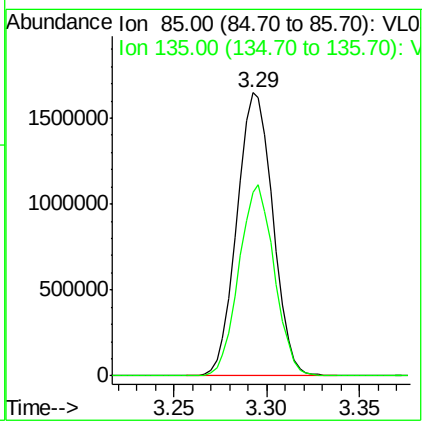
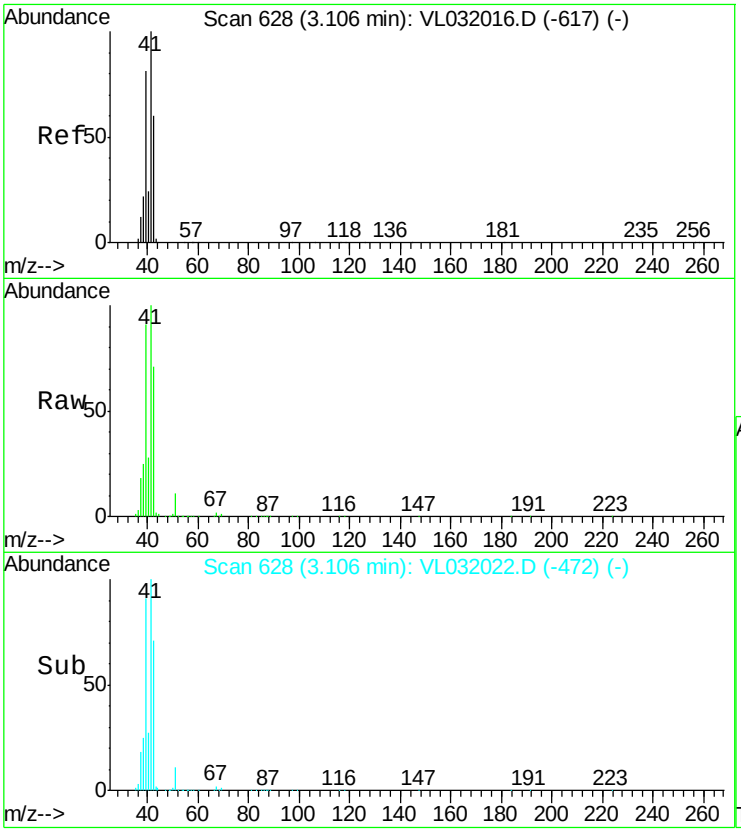


#8
Dichlorotetrafluoroethane
Concen: 12.11 ppbv
RT: 3.29 min Scan# 686
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 85 Resp: 2213884

Ion	Ratio	Lower	Upper
85	100		
135	66.7	52.6	79.0

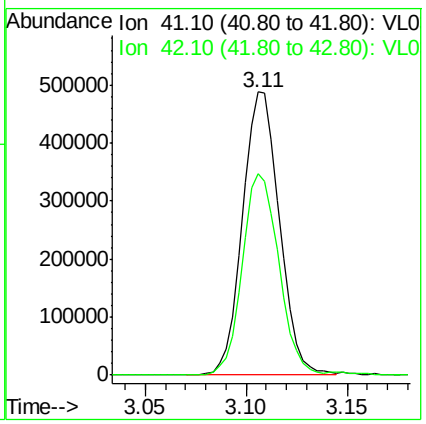




#9
Propene
Concen: 13.17 ppbv
RT: 3.11 min Scan# 628
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 41 Resp: 628776

Ion	Ratio	Lower	Upper
41	100		
42	71.0	54.4	81.6



Instrument :
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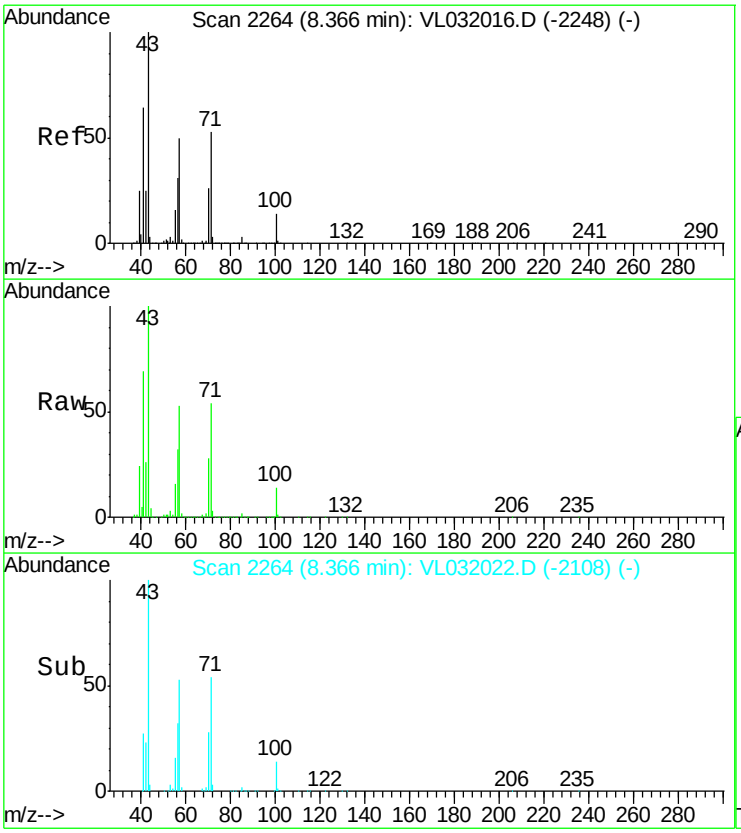
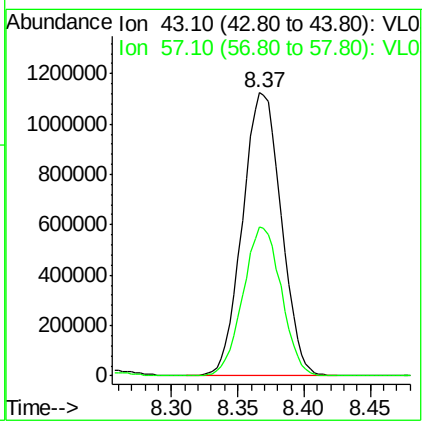
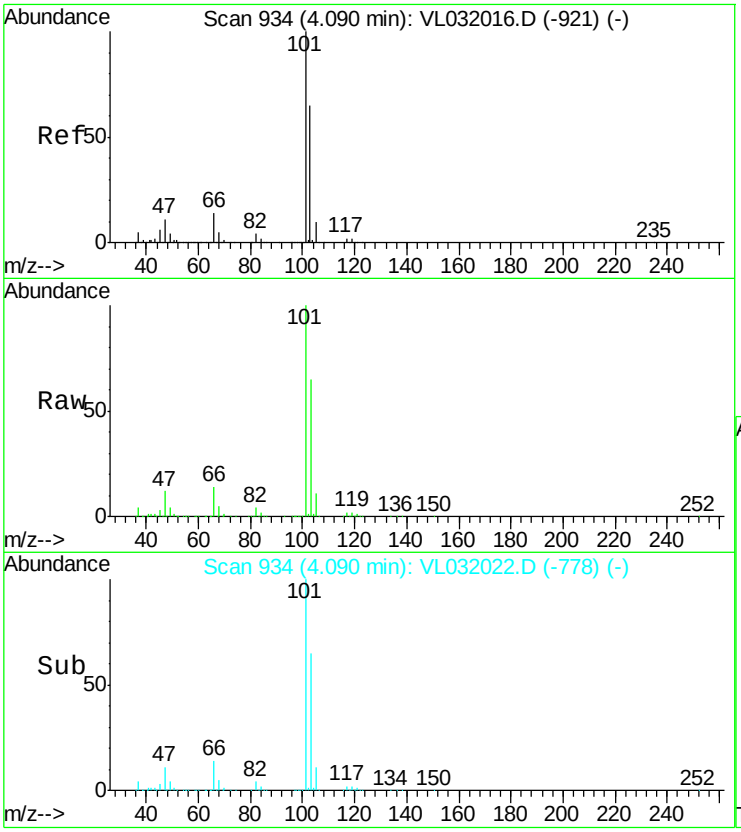


#10
Heptane
Concen: 13.73 ppbv
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 43 Resp: 2280256

Ion	Ratio	Lower	Upper
43	100		
57	52.5	41.7	62.5

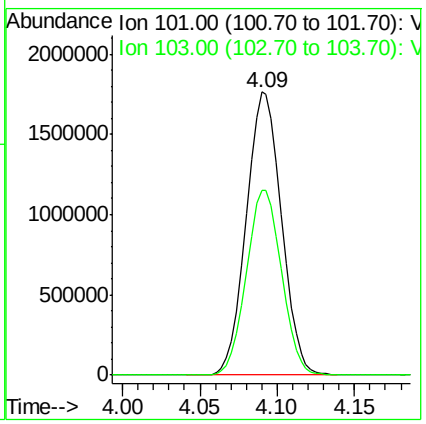




#11
Trichlorofluoromethane
Concen: 12.32 ppbv
RT: 4.09 min Scan# 934
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:101 Resp: 2798813

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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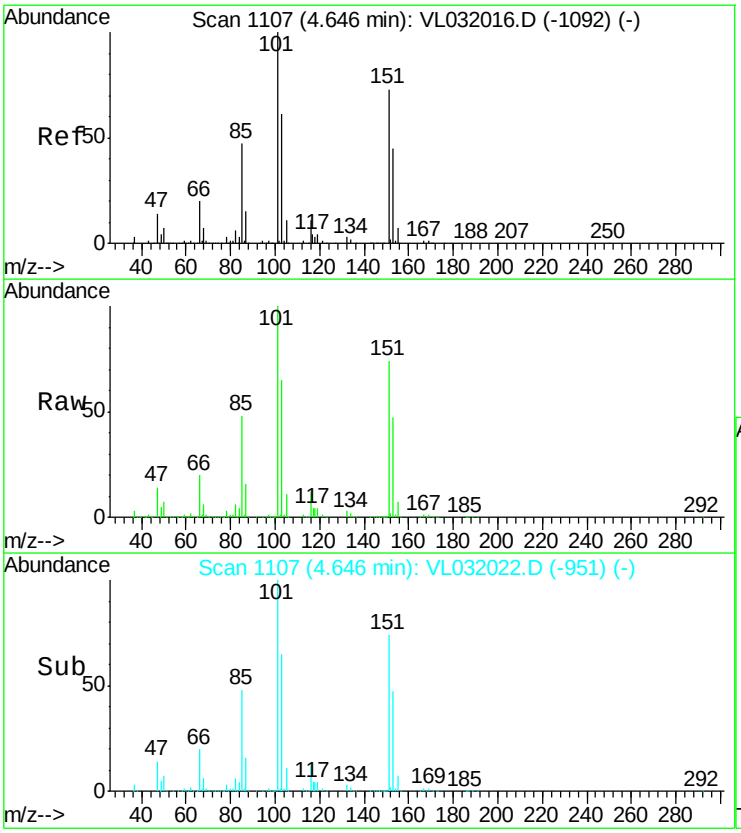
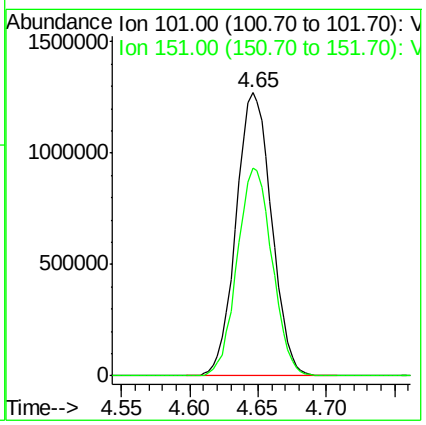
6/4/2018 10:55:09 AM

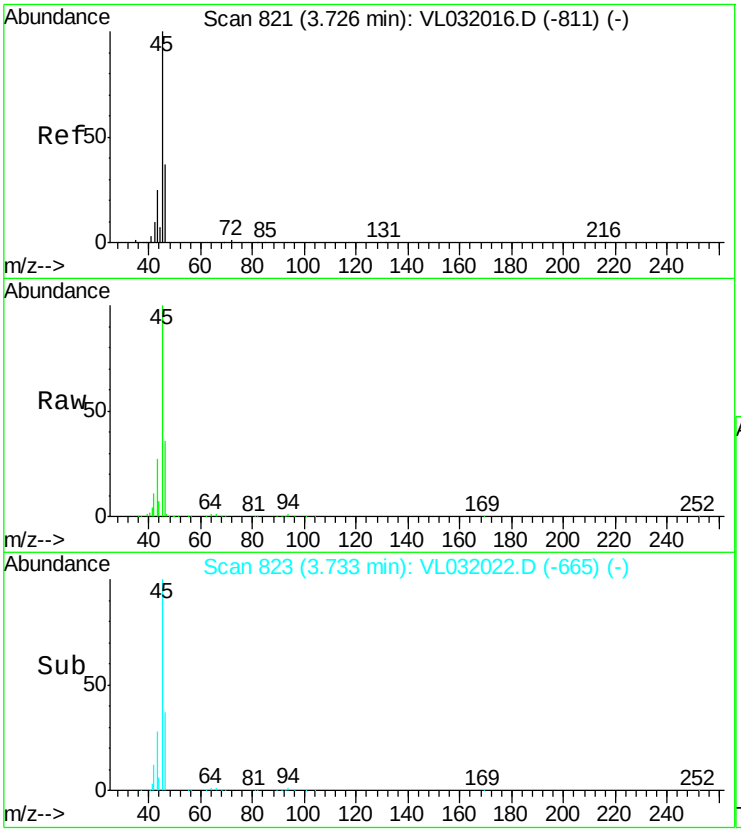


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.20 ppbv
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:101 Resp: 2293821

Ion	Ratio	Lower	Upper
101	100		
151	72.7	58.2	87.4

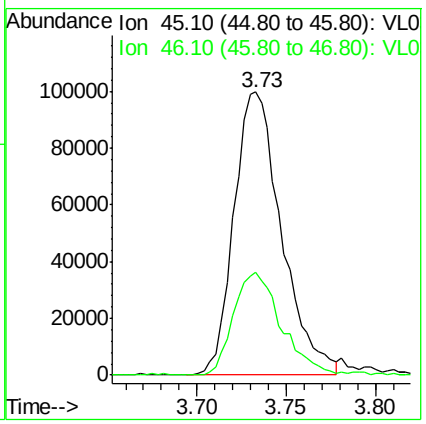




#13
Ethanol
Concen: 10.41 ppbv
RT: 3.73 min Scan# 823
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 45 Resp: 186063

Ion	Ratio	Lower	Upper
45	100		
46	37.3	14.9	59.5



Instrument :
MSVOA_L
ClientSampleId :
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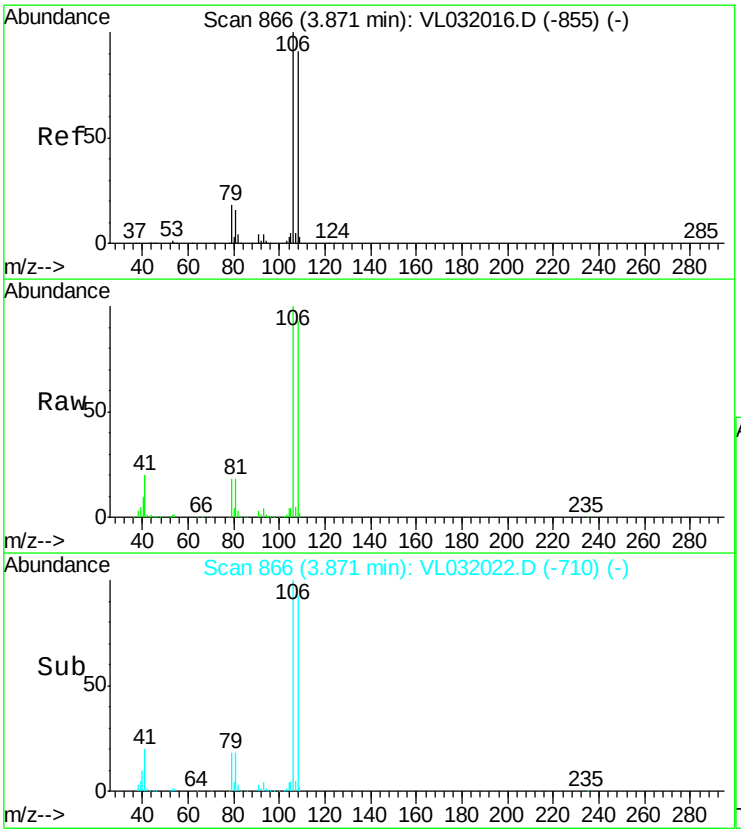
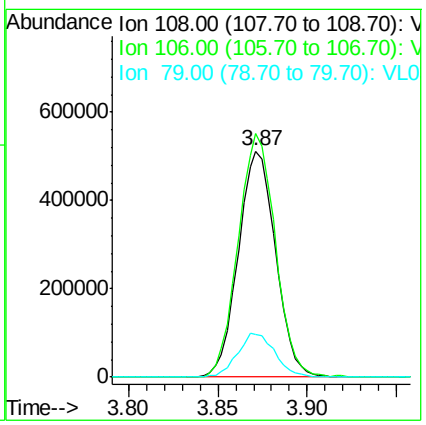
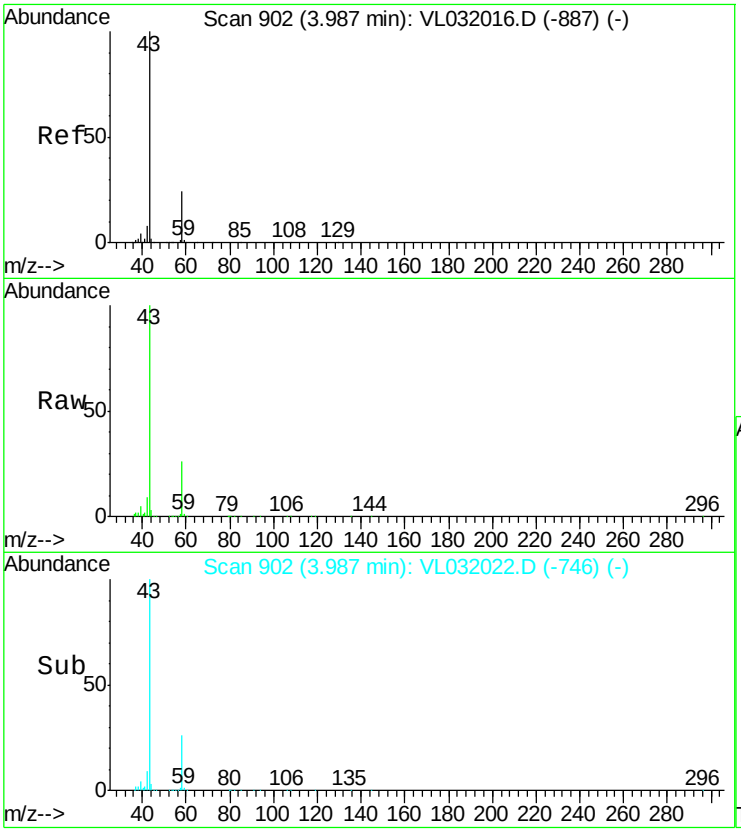


#14
Bromoethene
Concen: 12.84 ppbv
RT: 3.87 min Scan# 866
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:108 Resp: 746707

Ion	Ratio	Lower	Upper
108	100		
106	108.1	85.1	127.7
79	19.8	15.2	22.8

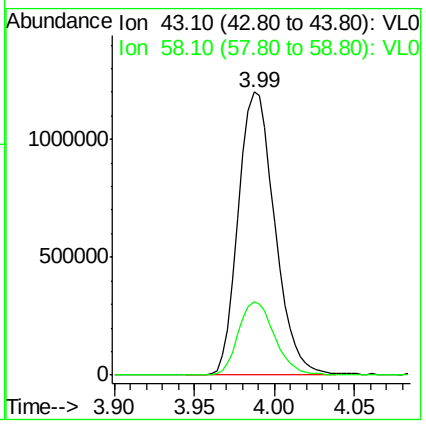




#15
Acetone
Concen: 9.53 ppbv
RT: 3.99 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 43 Resp: 1864086

Ion	Ratio	Lower	Upper
43	100		
58	25.8	20.7	31.1



Instrument :
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ClientSampleId :
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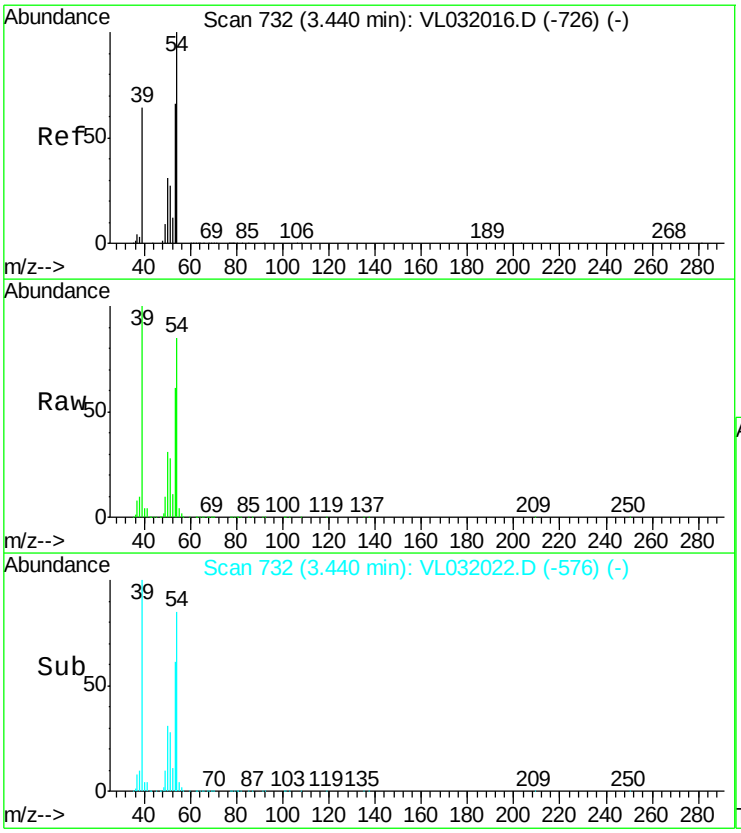
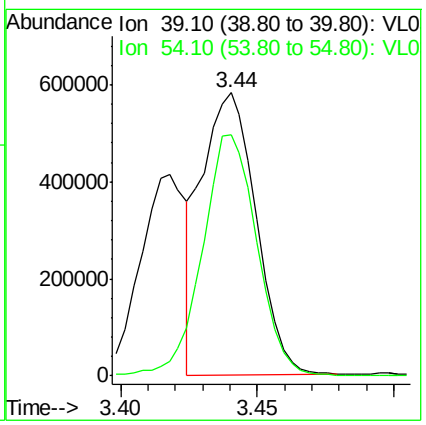
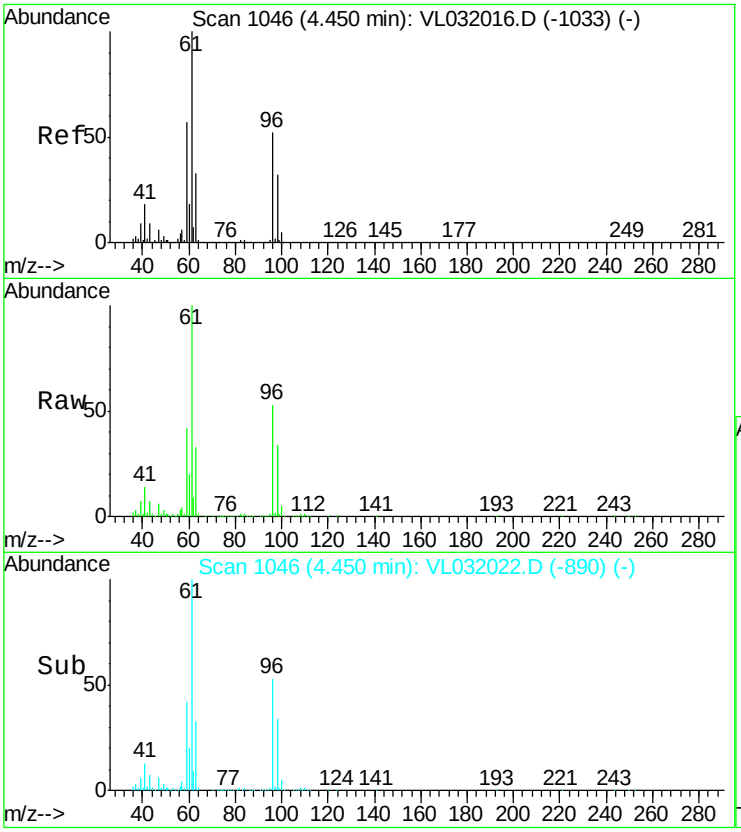


#16
1,3-Butadiene
Concen: 12.64 ppbv
RT: 3.44 min Scan# 732
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 39 Resp: 800695

Ion	Ratio	Lower	Upper
39	100		
54	86.6	65.7	98.5

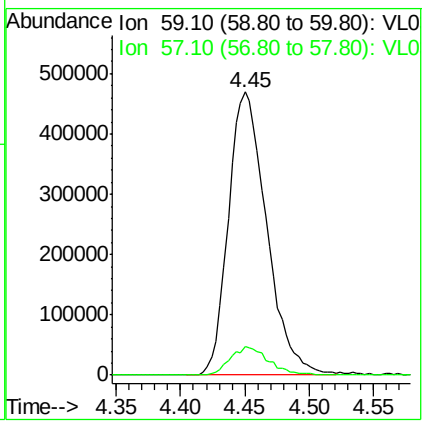




#17
tert-Butyl alcohol
Concen: 11.84 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 59 Resp: 968123

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
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ClientSampleId :
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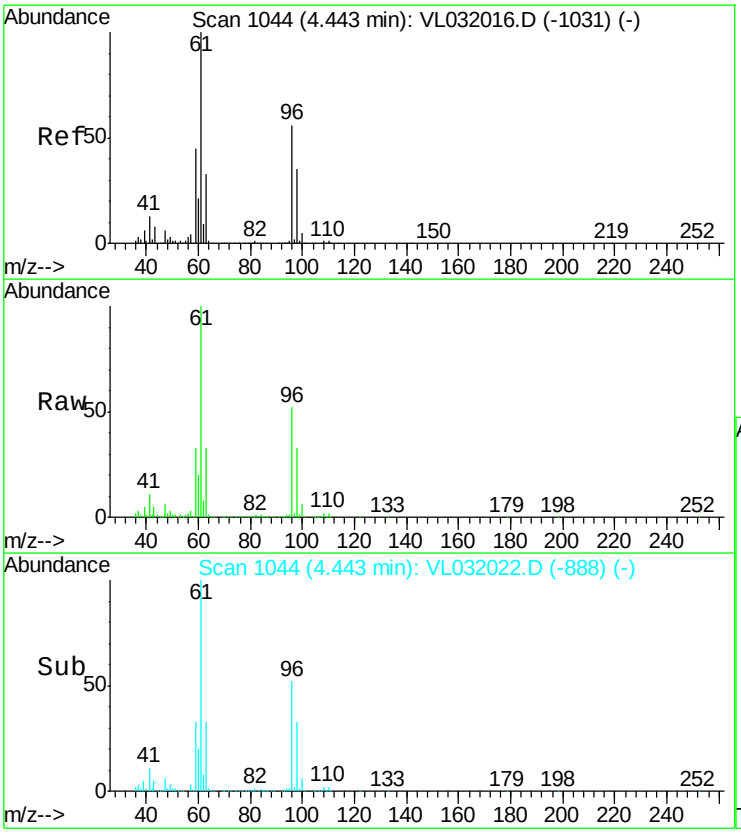
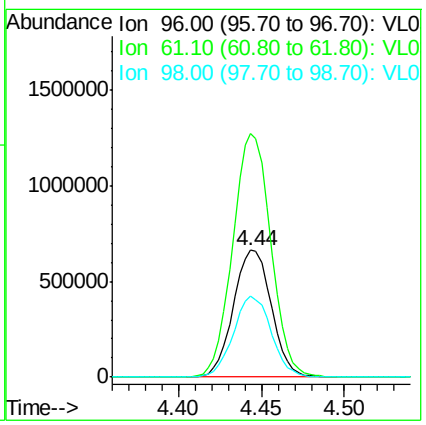
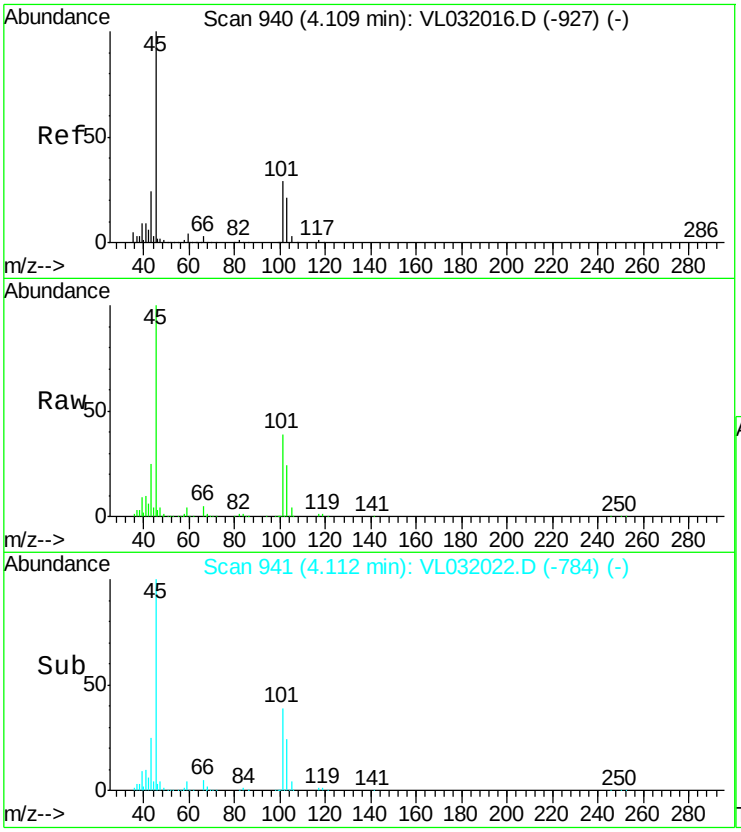


#18
1,1-Dichloroethene
Concen: 15.01 ppbv
RT: 4.44 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 96 Resp: 1057017

Ion	Ratio	Lower	Upper
96	100		
61	192.3	143.5	215.3
98	64.2	50.0	75.0

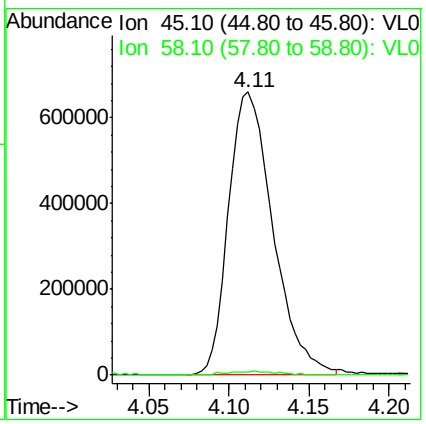




#19
Isopropyl Alcohol
Concen: 11.47 ppbv
RT: 4.11 min Scan# 941
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 45 Resp: 1250767

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.5	2.3



Instrument :
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ClientSampleId :
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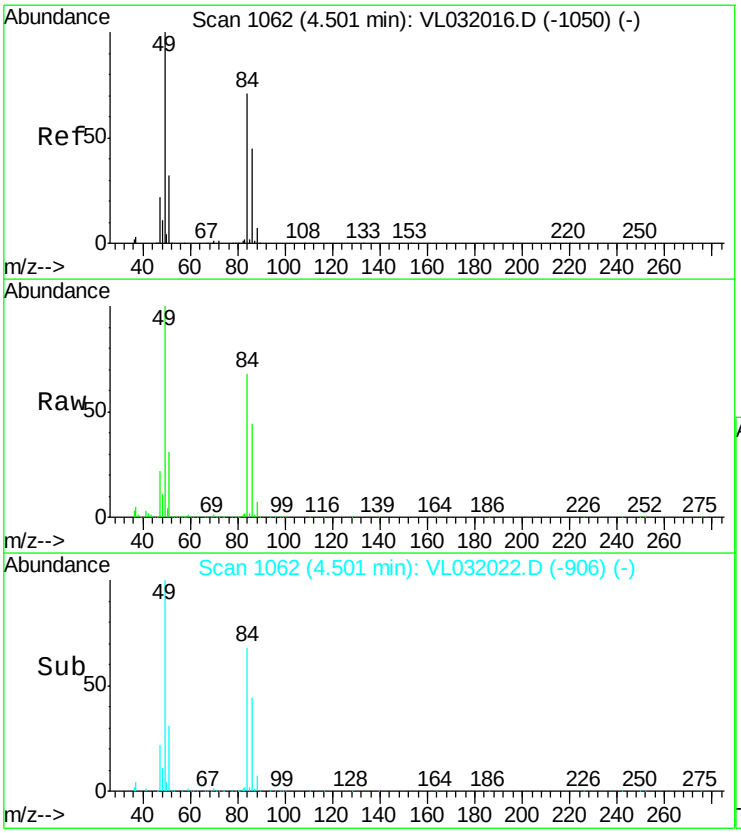
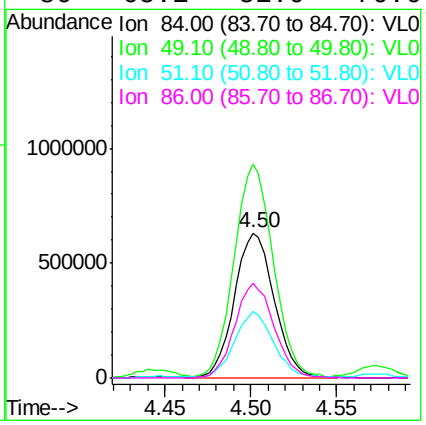
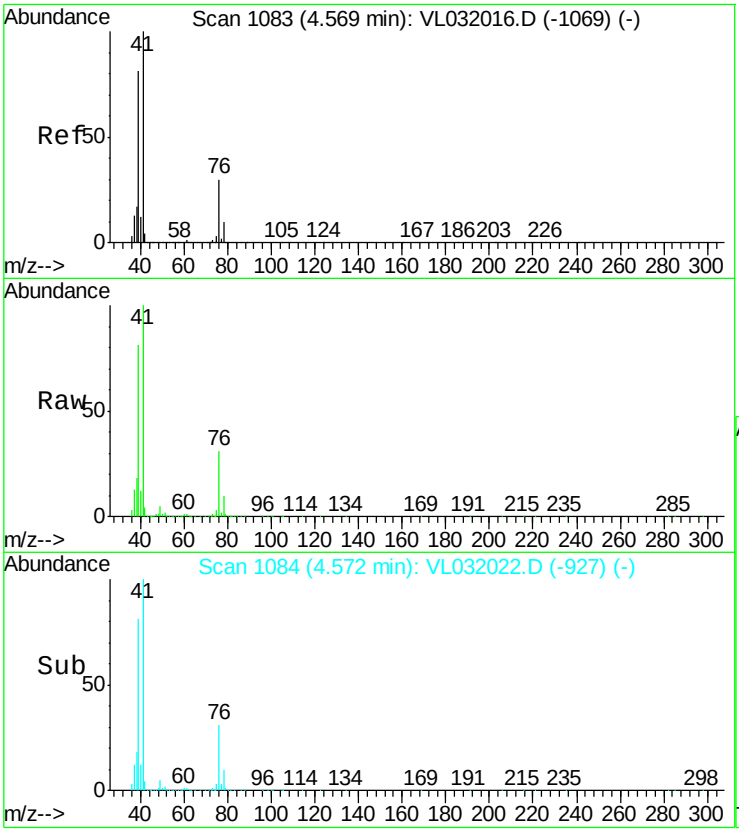


#20
Methylene Chloride
Concen: 14.89 ppbv
RT: 4.50 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 84 Resp: 1007952

Ion	Ratio	Lower	Upper
84	100		
49	146.6	113.0	169.4
51	44.9	36.4	54.6
86	65.1	51.0	76.6

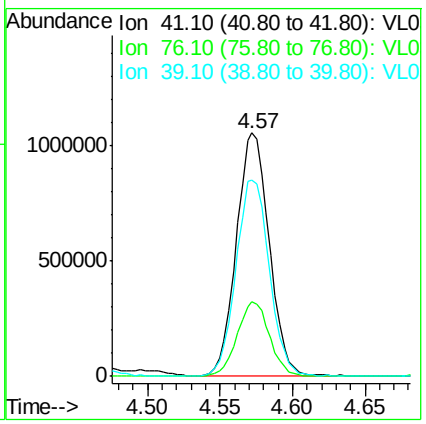




#21
Allvl Chloride
Concen: 14.49 ppbv
RT: 4.57 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 41 Resp: 1651604

Ion	Ratio	Lower	Upper
41	100		
76	30.4	23.9	35.9
39	83.2	65.9	98.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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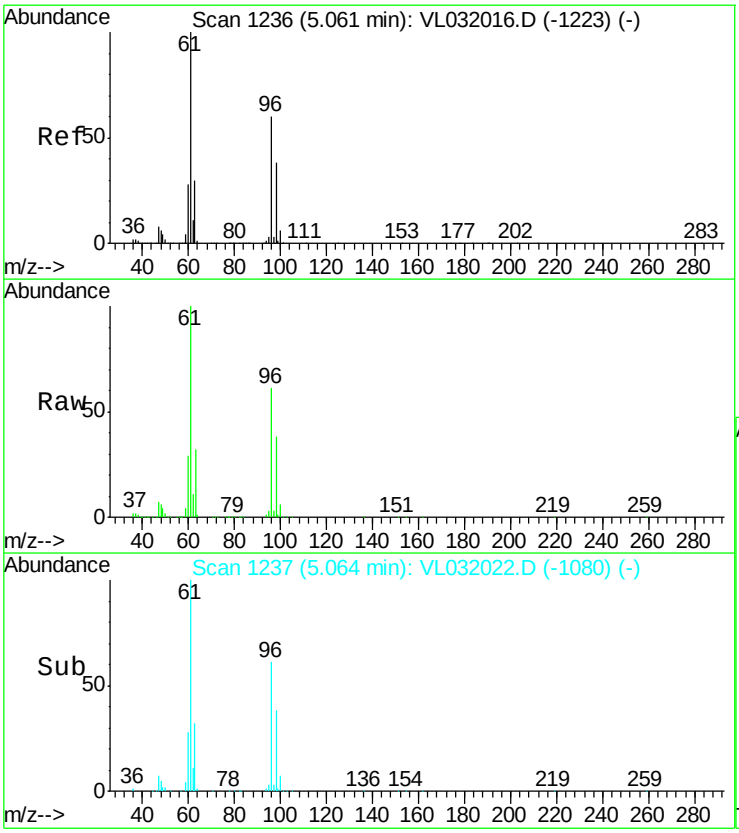
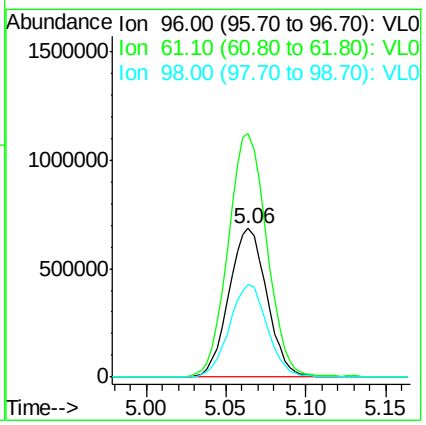
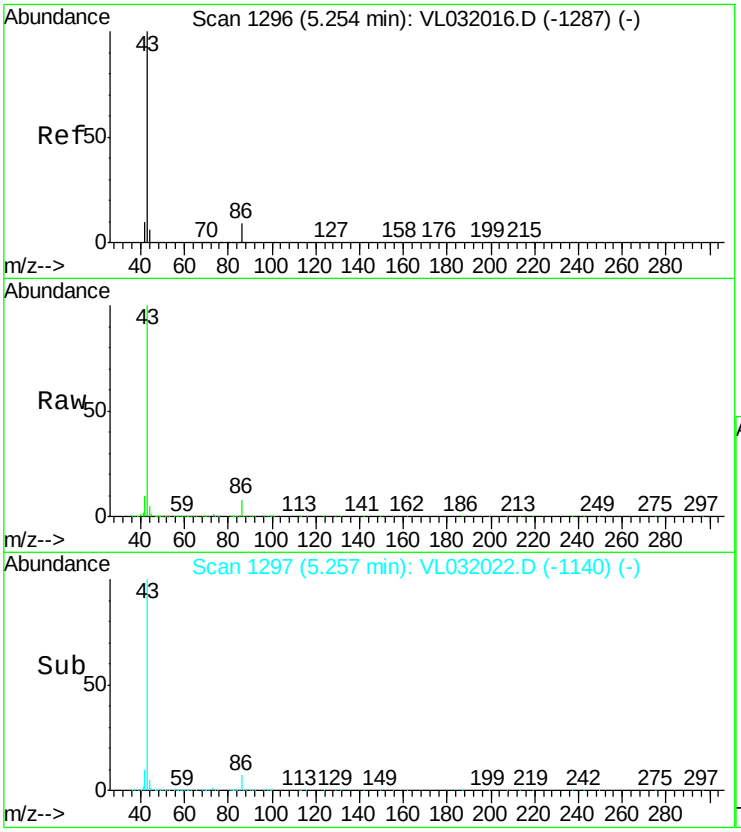


#22
trans-1,2-Dichloroethene
Concen: 14.10 ppbv
RT: 5.06 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 96 Resp: 1104549

Ion	Ratio	Lower	Upper
96	100		
61	163.9	133.3	199.9
98	62.5	51.0	76.4

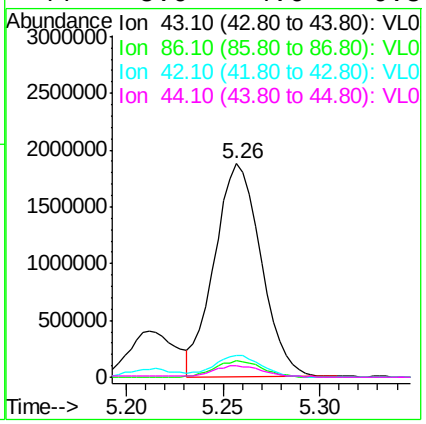




#23
Vinyl Acetate
Concen: 13.81 ppbv
RT: 5.26 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 43 Resp: 3142584

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.2	9.4
42	10.4	8.7	13.1
44	5.0	4.6	6.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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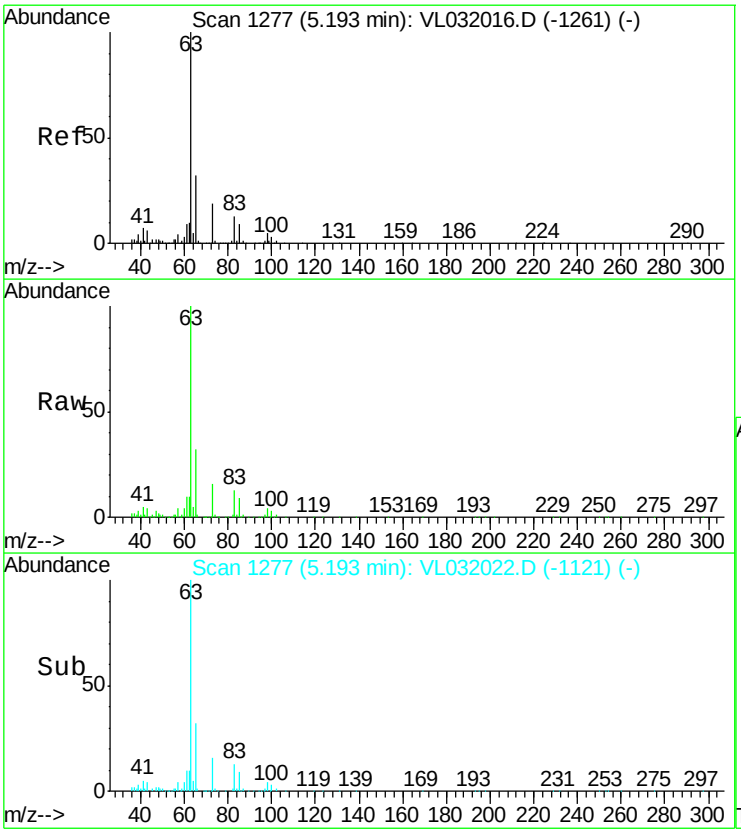
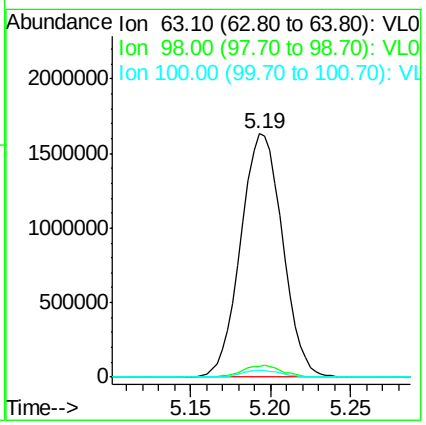
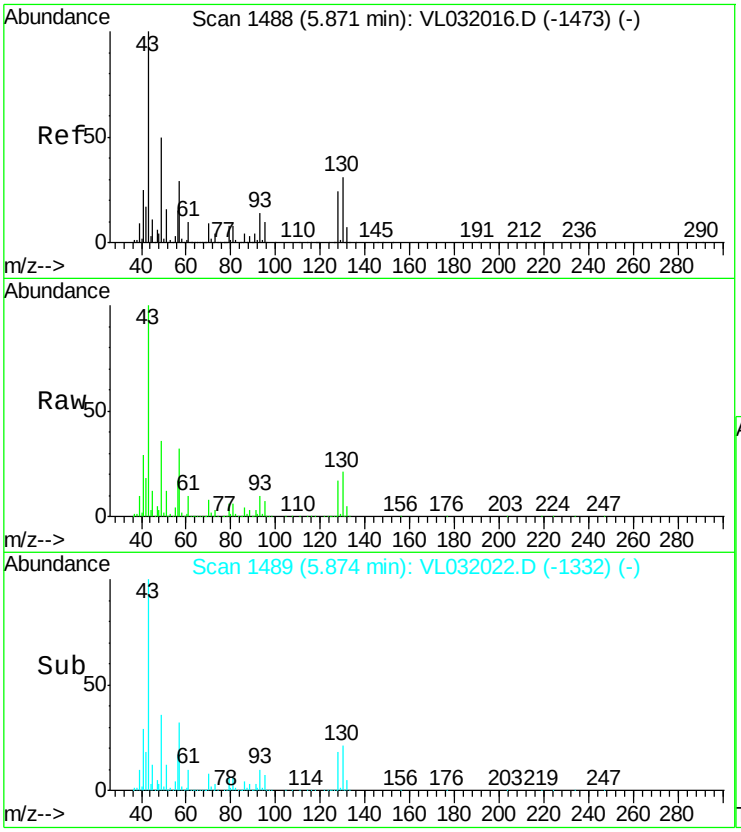


#24
1,1-Dichloroethane
Concen: 13.59 ppbv
RT: 5.19 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 63 Resp: 2915977

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.1
100	2.6	1.5	4.5

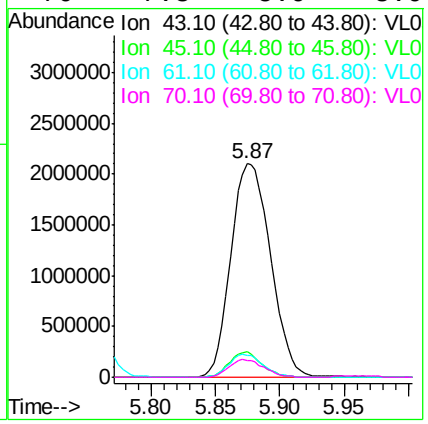




#25
Ethyl Acetate
Concen: 13.19 ppbv
RT: 5.87 min Scan# 1489
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 43 Resp: 4494243

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.3	7.4	11.2
70	7.3	5.9	8.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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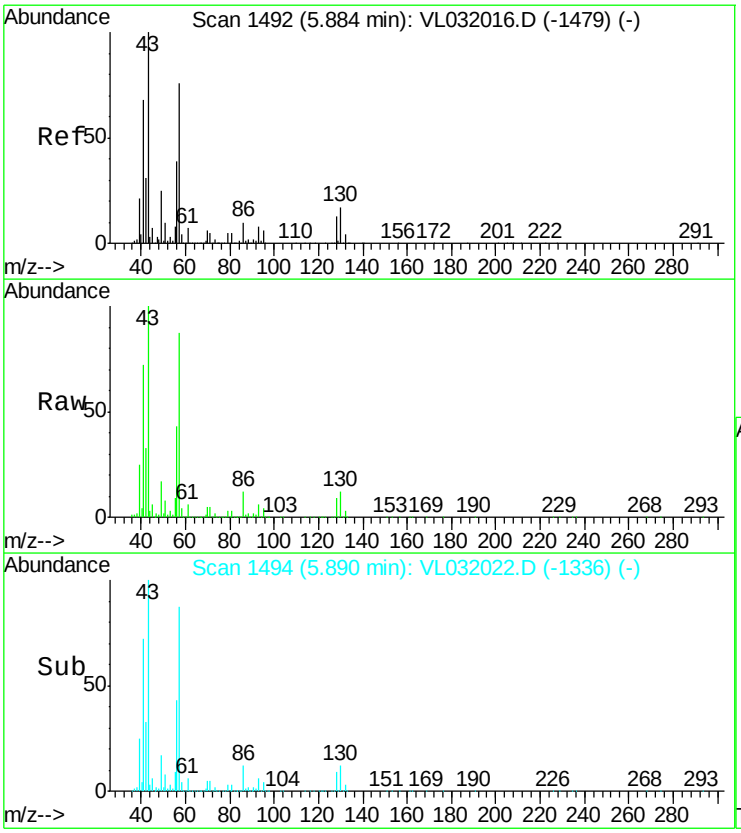
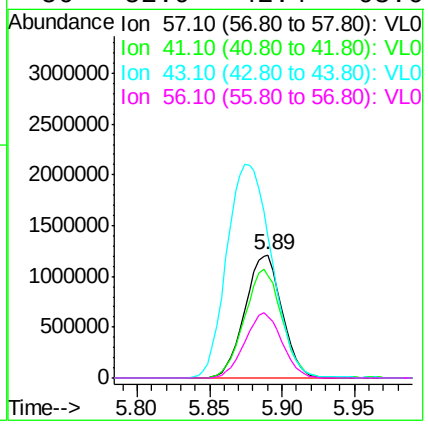
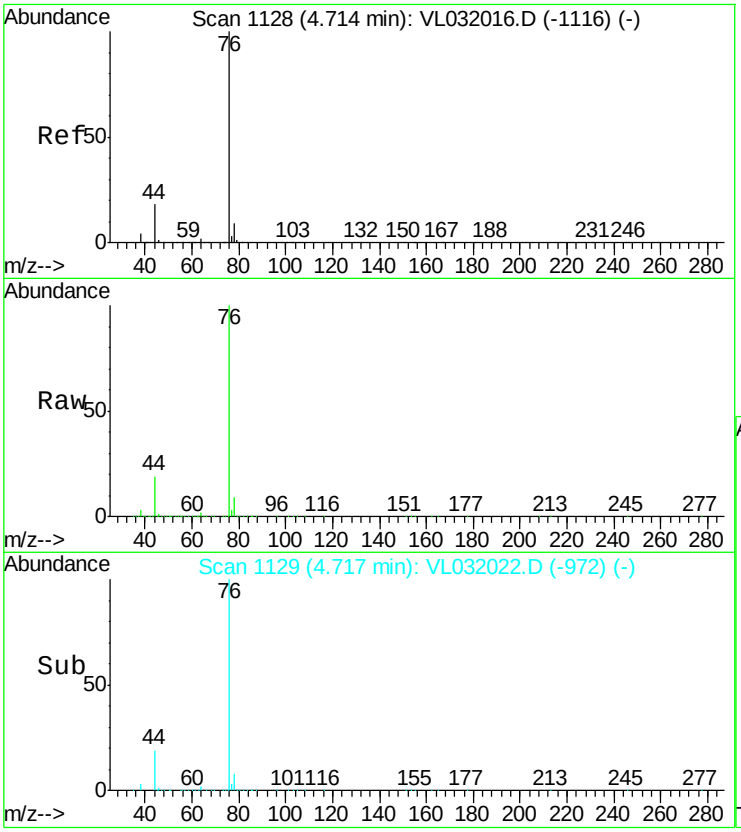


#26
Hexane
Concen: 13.39 ppbv
RT: 5.89 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 57 Resp: 2152372

Ion	Ratio	Lower	Upper
57	100		
41	89.9	71.4	107.2
43	209.4	168.6	252.8
56	52.9	42.4	63.6

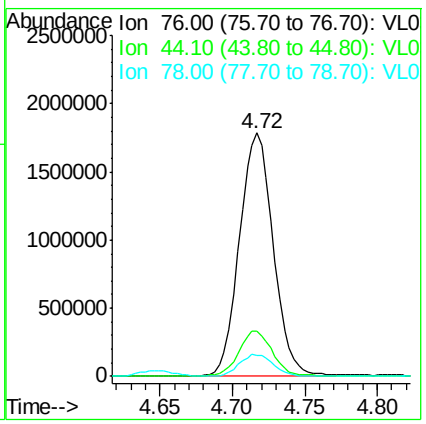




#27
Carbon Disulfide
Concen: 15.70 ppbv
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 76 Resp: 2901881

Ion	Ratio	Lower	Upper
76	100		
44	18.6	14.9	22.3
78	9.1	7.6	11.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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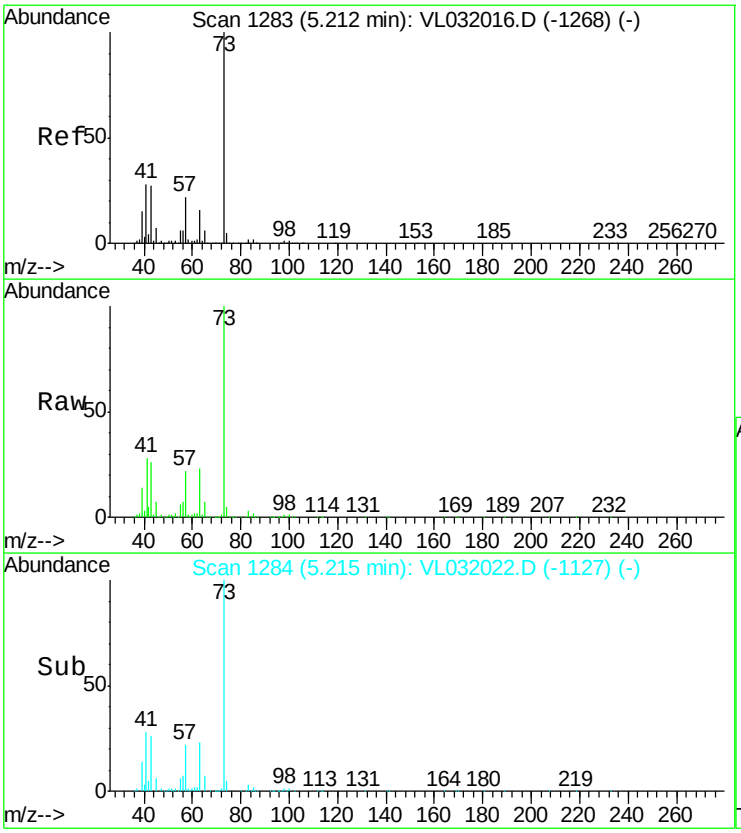
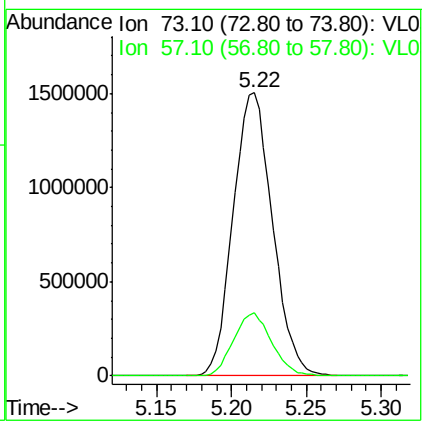
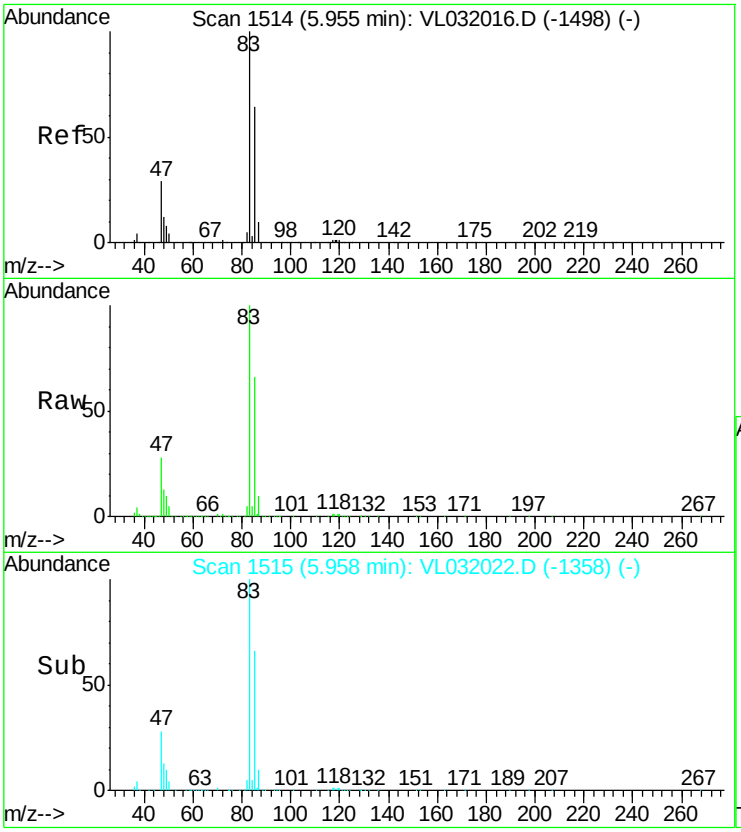


#28
Methyl tert-Butyl Ether
Concen: 13.96 ppbv
RT: 5.22 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 73 Resp: 2757091

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.8	26.8

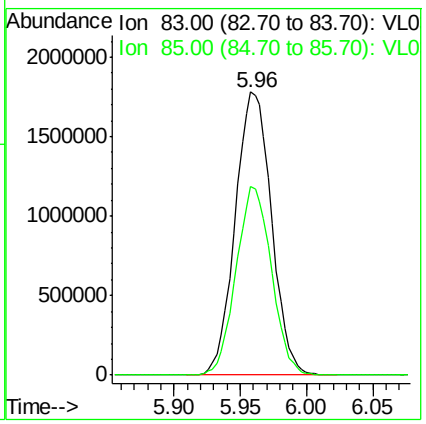




#29
Chloroform
Concen: 13.18 ppbv
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 83 Resp: 3380923

Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.9	76.3



Instrument :
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ClientSampleId :
VSTDICC015

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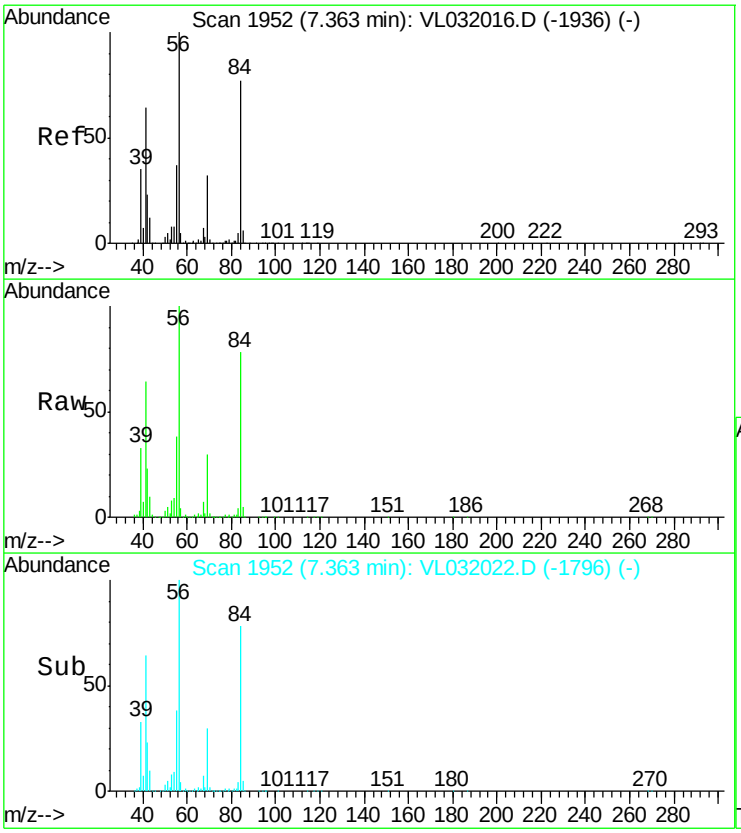
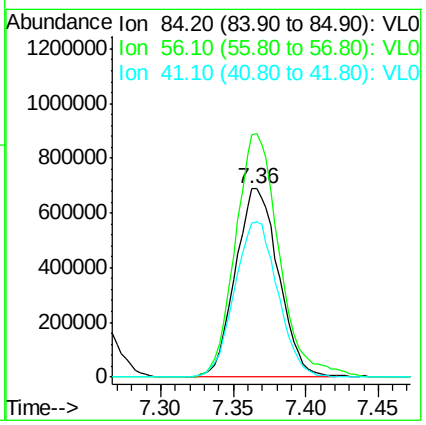
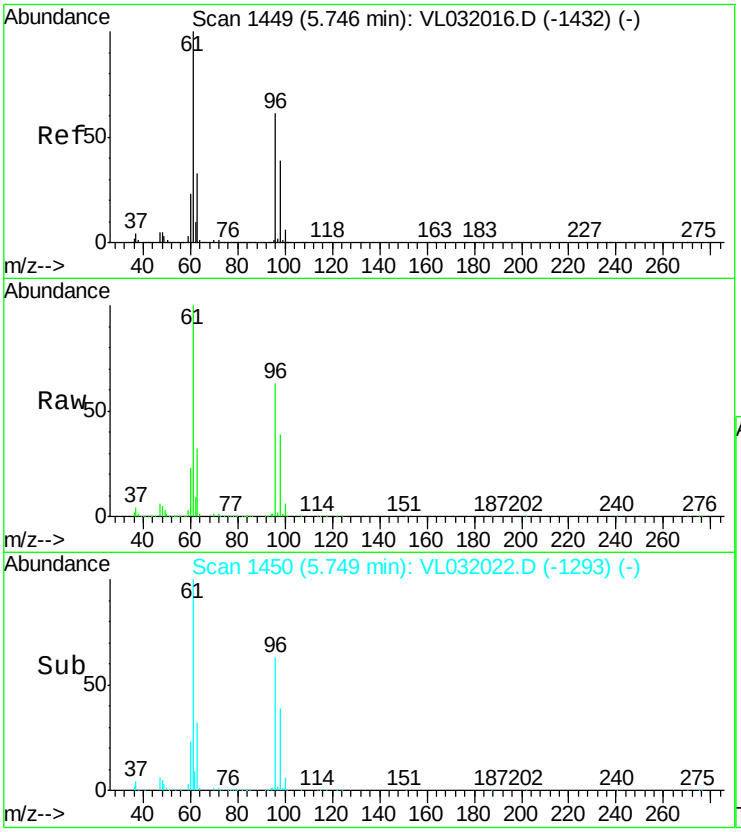


#30
Cyclohexane
Concen: 13.39 ppbv
RT: 7.36 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 84 Resp: 1420669

Ion	Ratio	Lower	Upper
84	100		
56	131.8	108.6	162.8
41	82.7	66.8	100.2

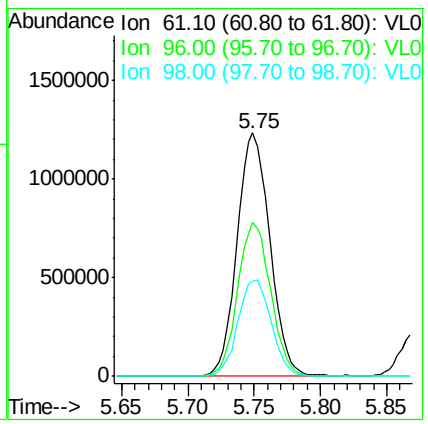




#31
cis-1,2-Dichloroethene
Concen: 14.45 ppbv
RT: 5.75 min Scan# 1450
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 61 Resp: 2130535

Ion	Ratio	Lower	Upper
61	100		
96	63.3	49.0	73.6
98	39.0	31.2	46.8



Instrument :
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ClientSampleId :
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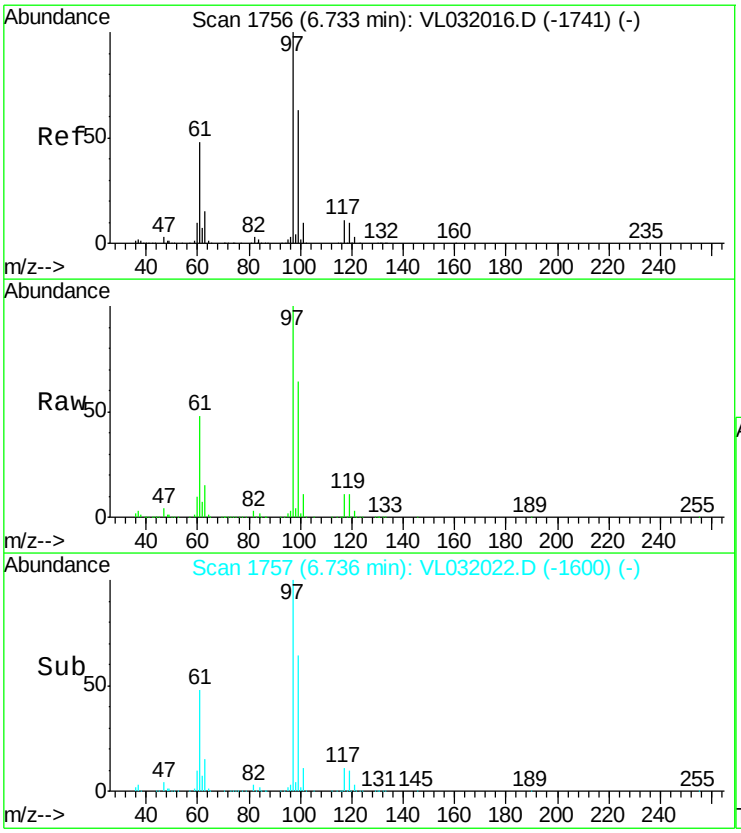
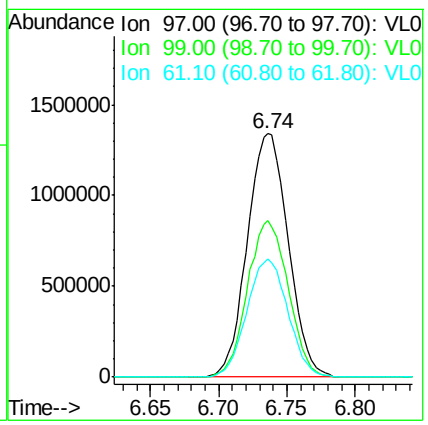
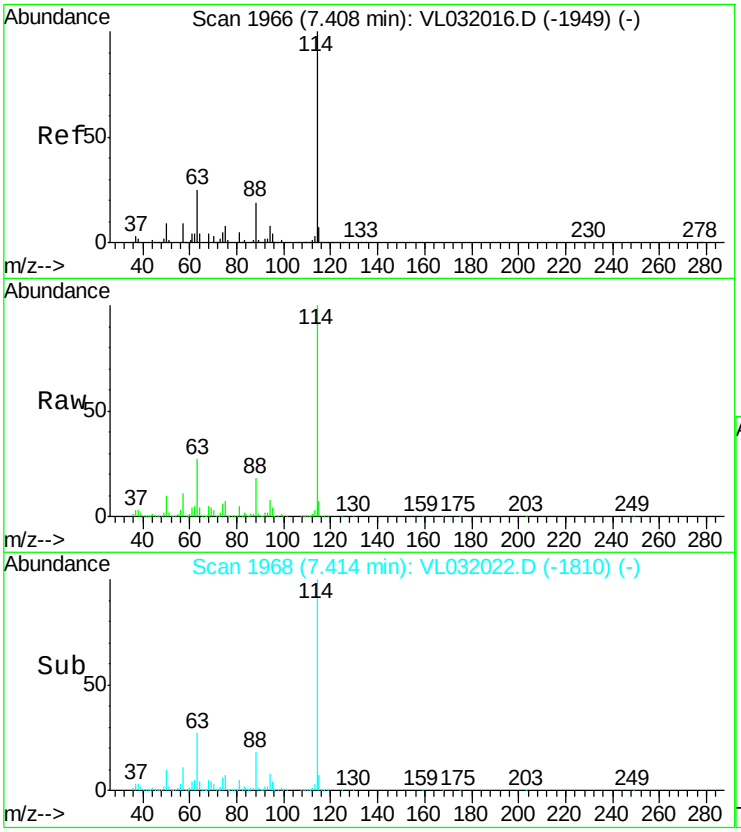


#32
1,1,1-Trichloroethane
Concen: 11.97 ppbv
RT: 6.74 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 97 Resp: 2788634

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	48.8	39.4	59.2

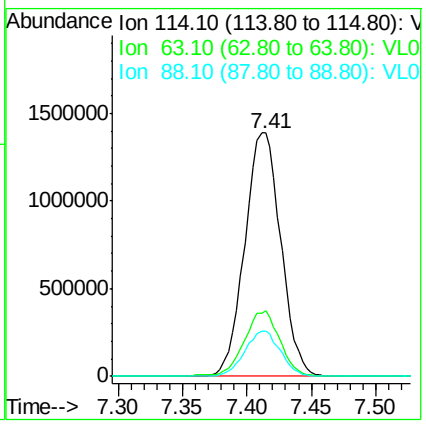




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.41 min Scan# 1968
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:114 Resp: 2704213

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.1	31.7
88	18.3	14.8	22.2



Instrument :
MSVOA_L
ClientSampleId :
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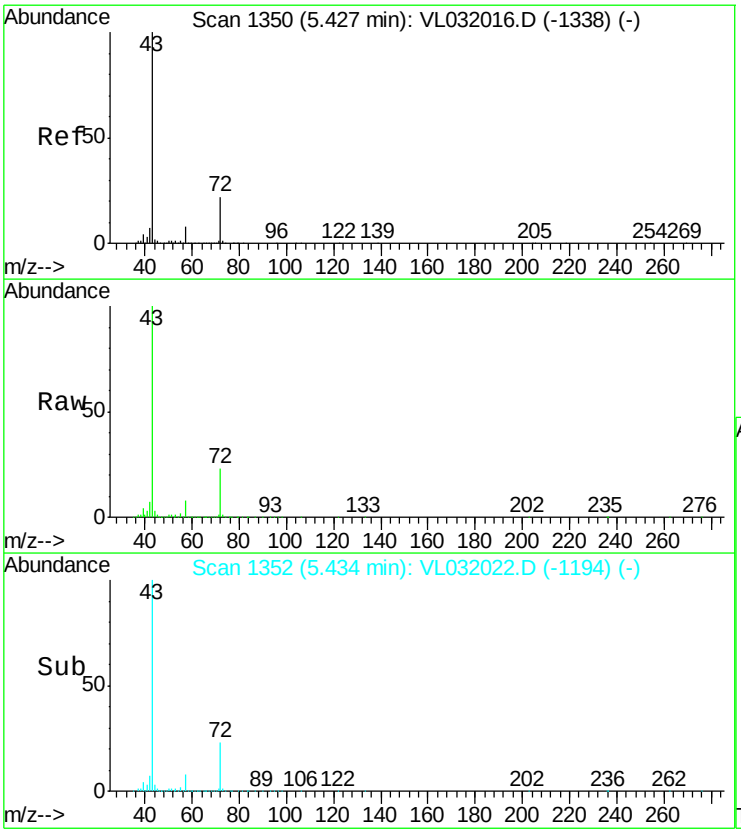
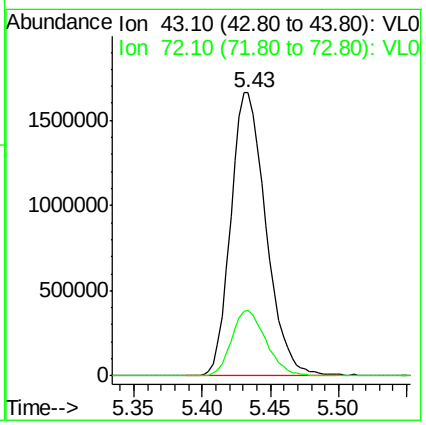
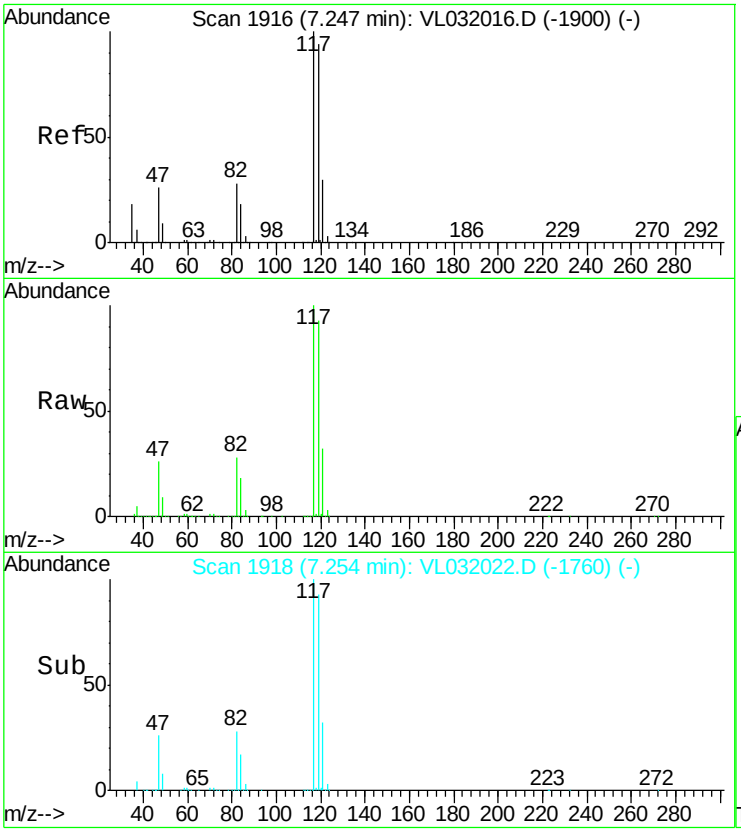


#34
2-Butanone
Concen: 13.29 ppbv
RT: 5.43 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 43 Resp: 2971063

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.6	27.8

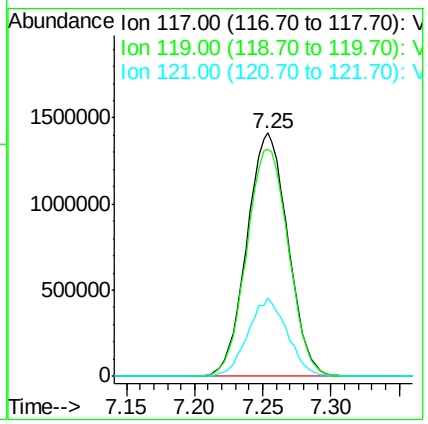




#35
Carbon Tetrachloride
Concen: 13.59 ppbv
RT: 7.25 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:117 Resp: 2944849

Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.3	112.9
121	32.2	24.1	36.1



Instrument :
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ClientSampleId :
VSTDICC015

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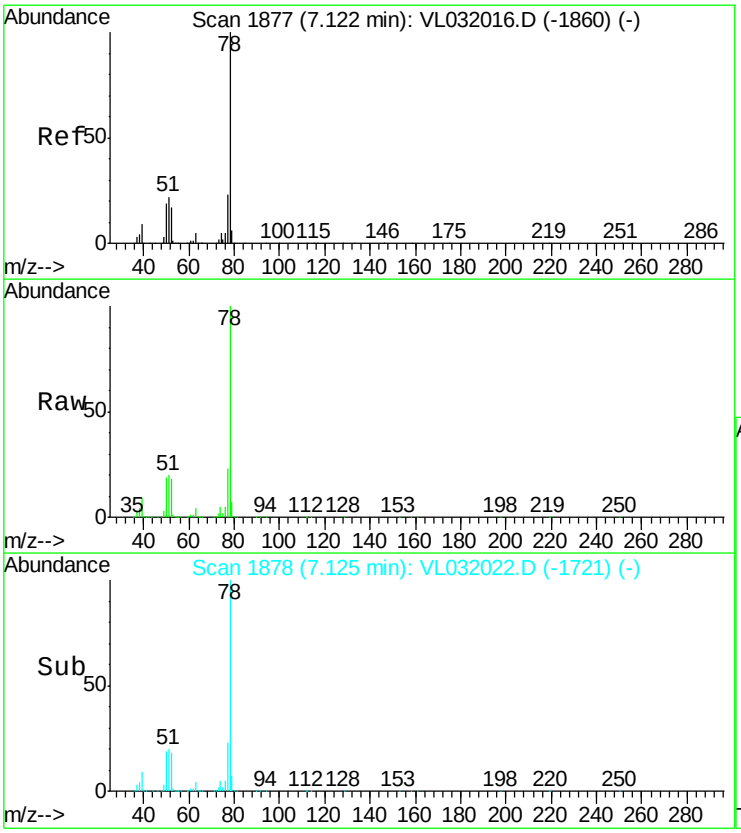
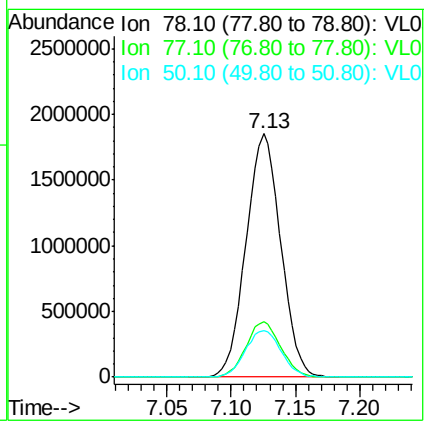
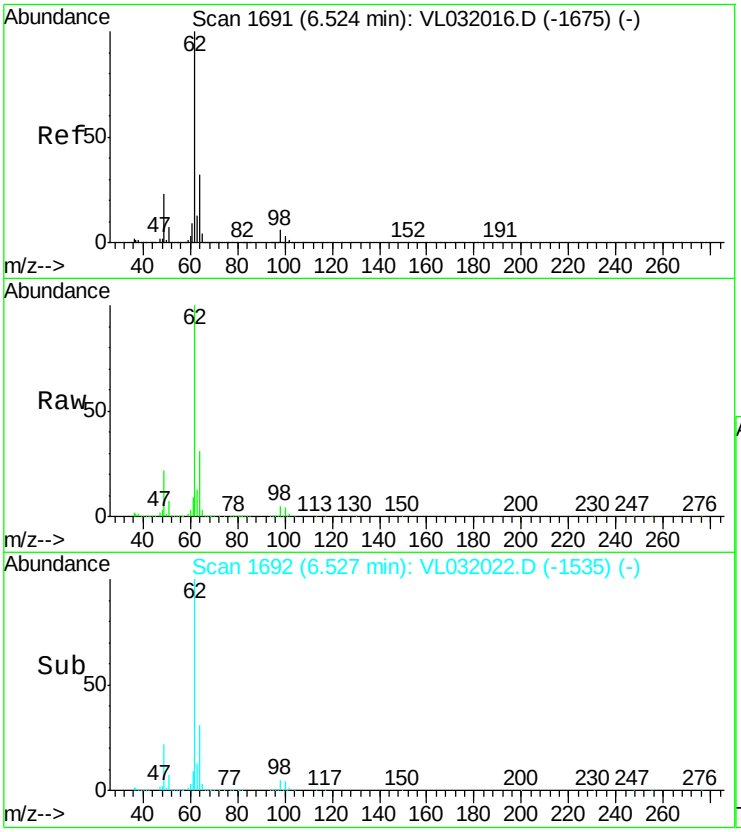


#36
Benzene
Concen: 13.69 ppbv
RT: 7.13 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 78 Resp: 3478186

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.1	27.1
50	18.8	14.9	22.3

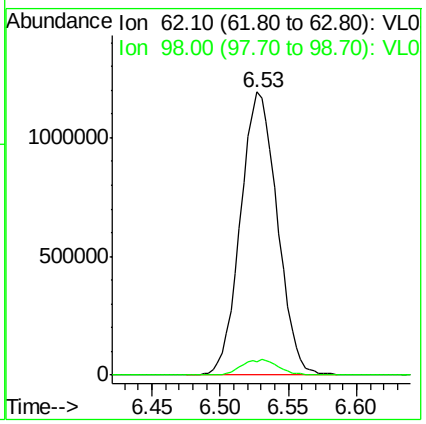




#37
1,2-Dichloroethane
Concen: 12.43 ppbv
RT: 6.53 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 62 Resp: 2232767

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.2	6.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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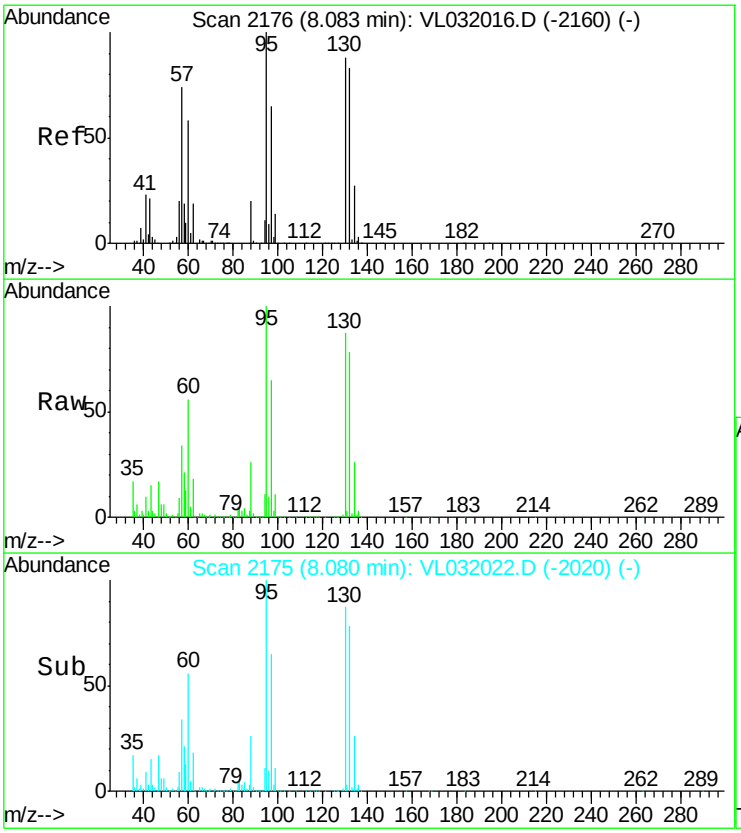
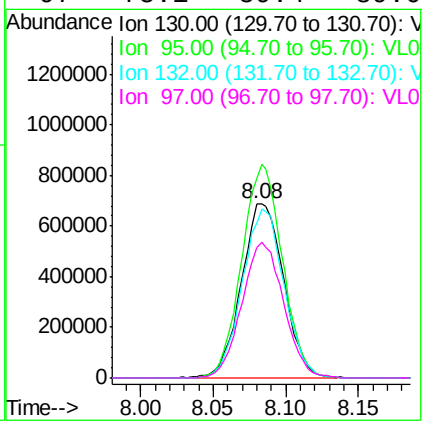
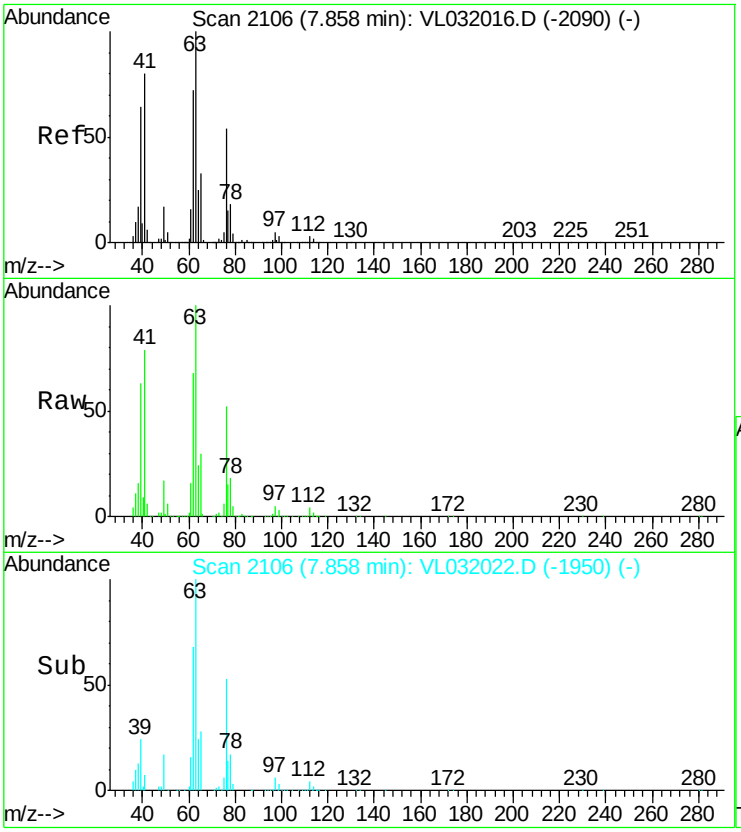


#38
Trichloroethene
Concen: 14.29 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:130 Resp: 1388199

Ion	Ratio	Lower	Upper
130	100		
95	115.2	90.7	136.1
132	89.2	75.6	113.4
97	75.1	59.4	89.0

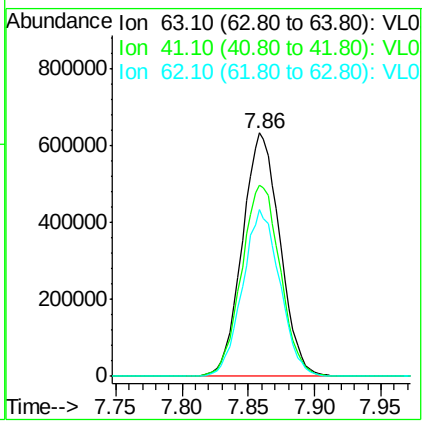




#39
1,2-Dichloropropane
Concen: 14.06 ppbv
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 63 Resp: 1249530

Ion	Ratio	Lower	Upper
63	100		
41	78.6	64.0	96.0
62	68.3	57.6	86.4



Instrument :
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ClientSampleId :
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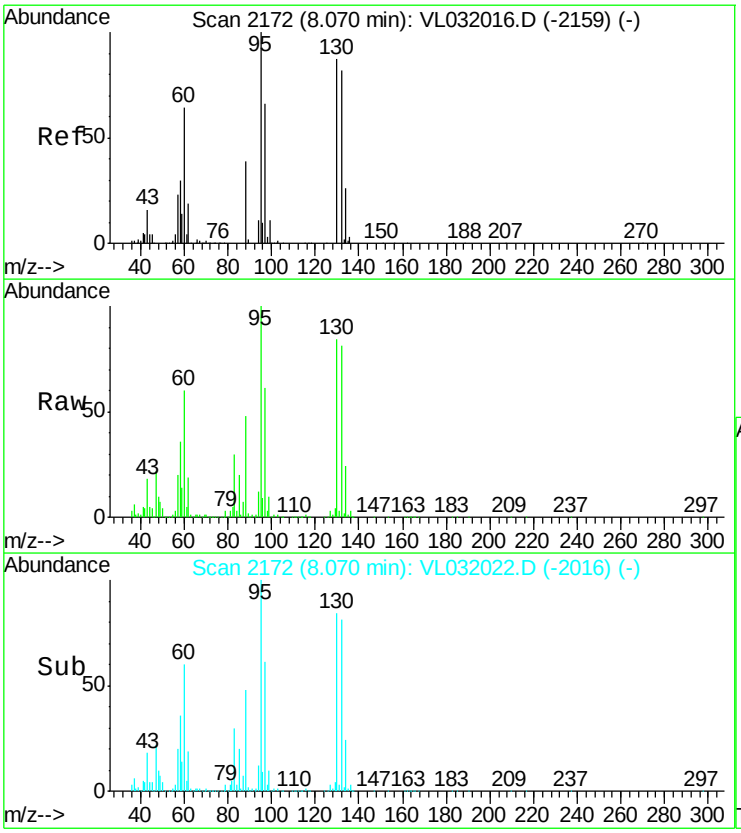
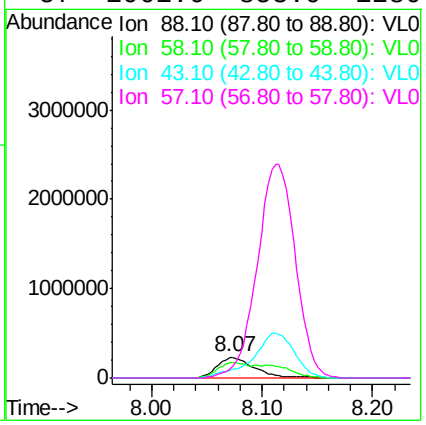
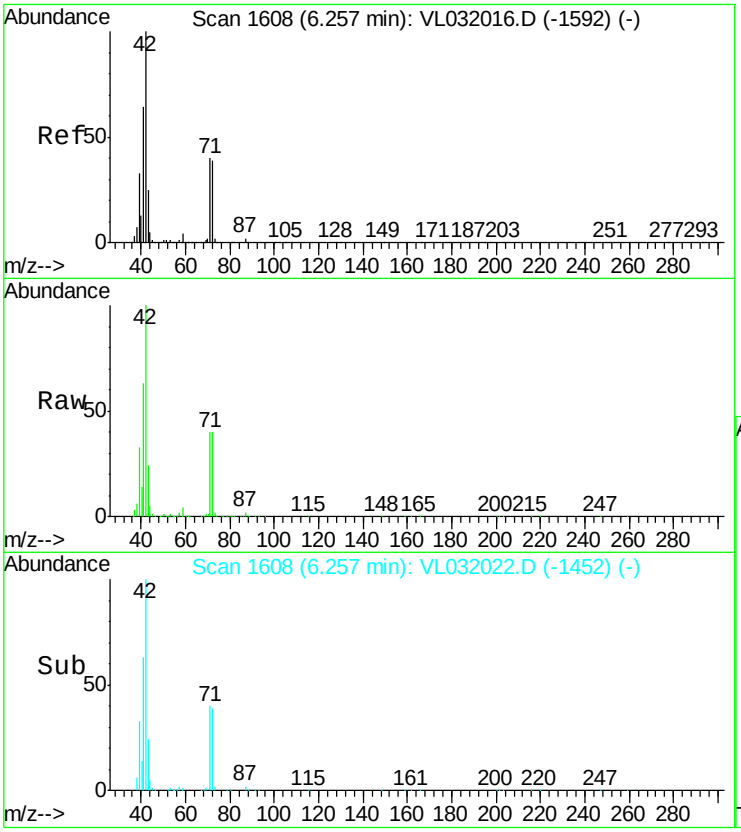


#40
1,4-Dioxane
Concen: 13.59 ppbv
RT: 8.07 min Scan# 2172
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 88 Resp: 541645

Ion	Ratio	Lower	Upper
88	100		
58	123.1	100.5	150.7
43	241.9	193.8	290.6
57	1061.0	853.9	1280.9

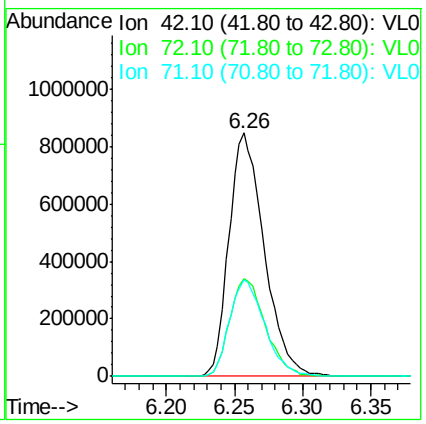




#41
Tetrahydrofuran
Concen: 15.75 ppbv
RT: 6.26 min Scan# 1608
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 42 Resp: 1519545

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.3	48.5
71	39.9	32.3	48.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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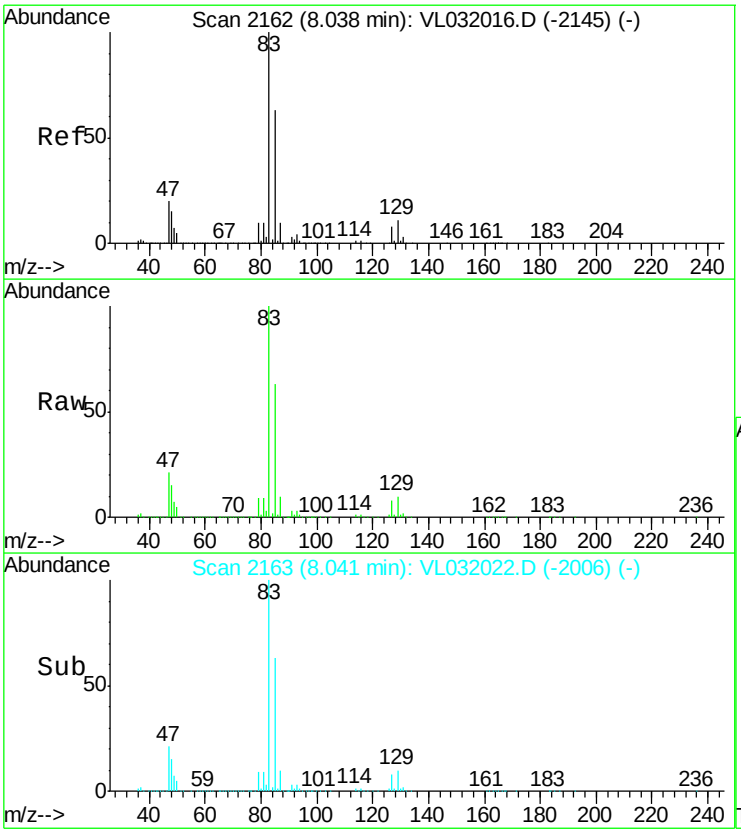
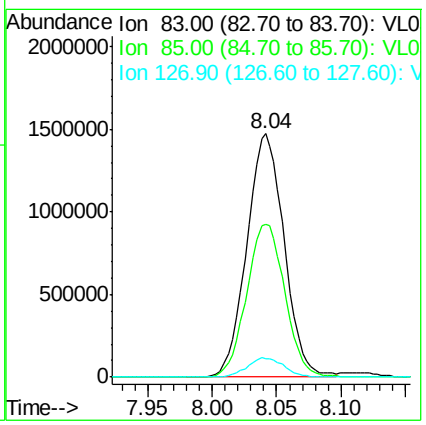
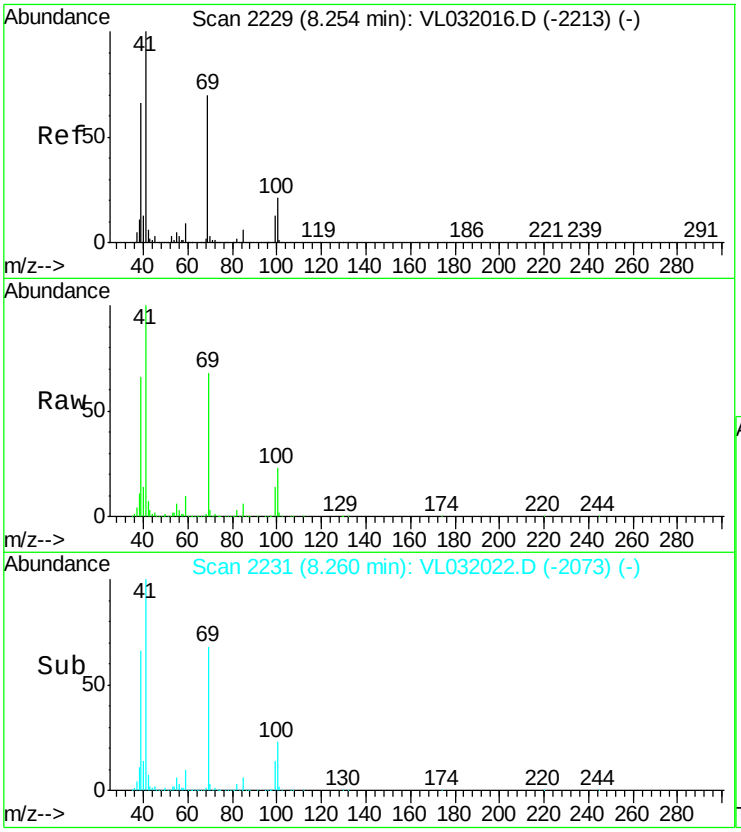


#42
Bromodichloromethane
Concen: 14.44 ppbv
RT: 8.04 min Scan# 2163
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 83 Resp: 2975085

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.3	75.5
127	7.6	6.6	9.8

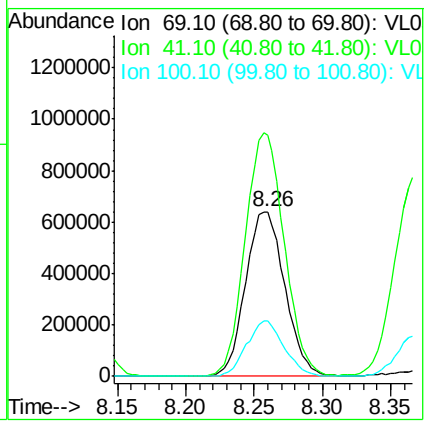




#43
Methyl Methacrylate
Concen: 14.78 ppbv
RT: 8.26 min Scan# 2231
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 69 Resp: 1281253

Ion	Ratio	Lower	Upper
69	100		
41	146.5	115.5	173.3
100	32.2	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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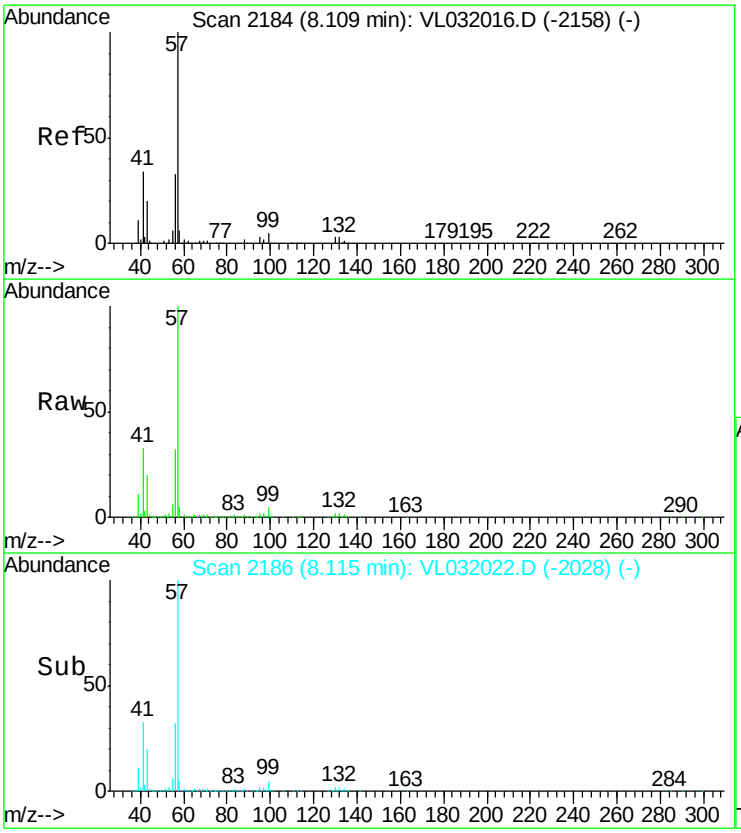
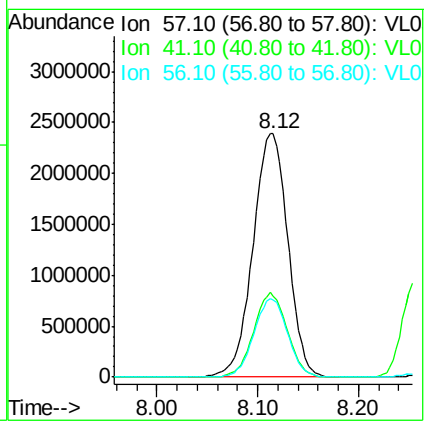
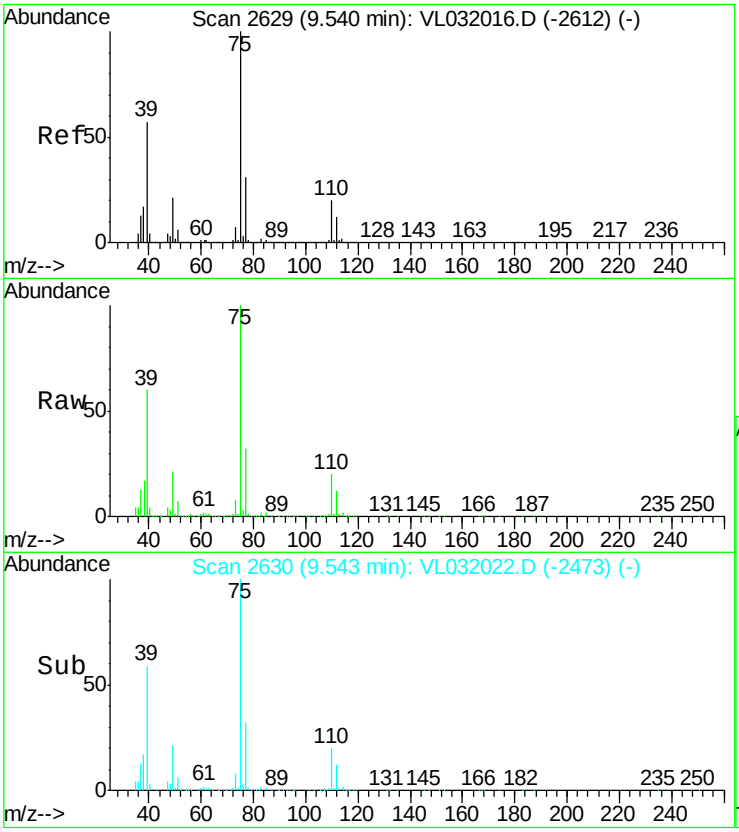


#44
2,2,4-Trimethylpentane
Concen: 13.89 ppbv
RT: 8.12 min Scan# 2186
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 57 Resp: 5740258

Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.6	40.0
56	31.1	24.9	37.3

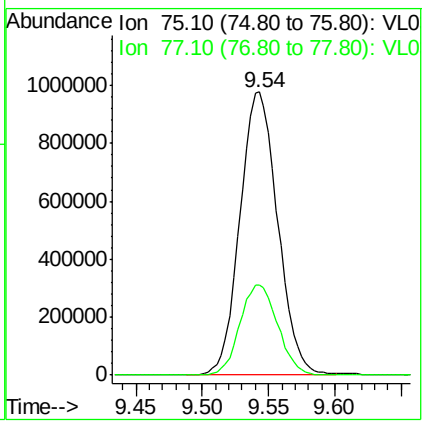




#45
t-1,3-Dichloropropene
Concen: 16.80 ppbv
RT: 9.54 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 75 Resp: 1934766

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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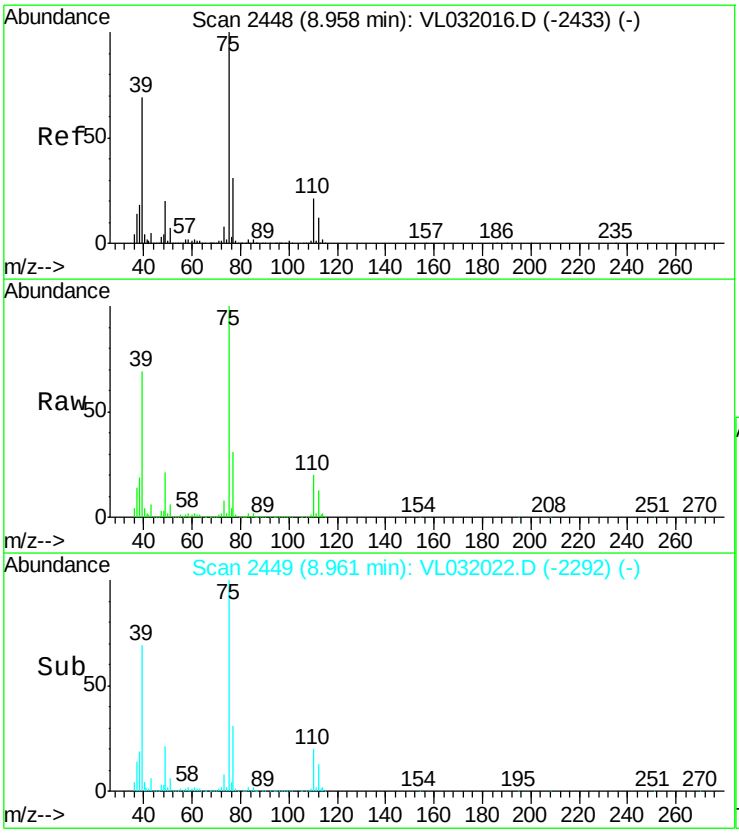
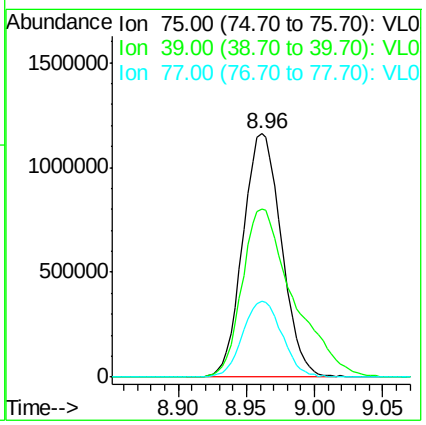
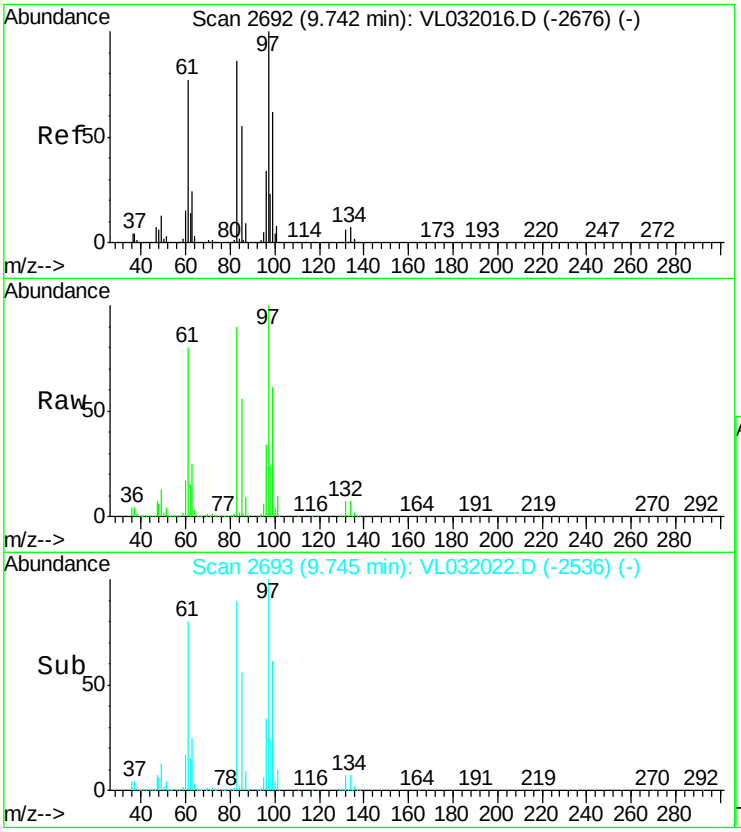


#46
cis-1,3-Dichloropropene
Concen: 16.09 ppbv
RT: 8.96 min Scan# 2449
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 75 Resp: 2284464

Ion	Ratio	Lower	Upper
75	100		
39	69.2	55.0	82.6
77	31.2	25.0	37.6

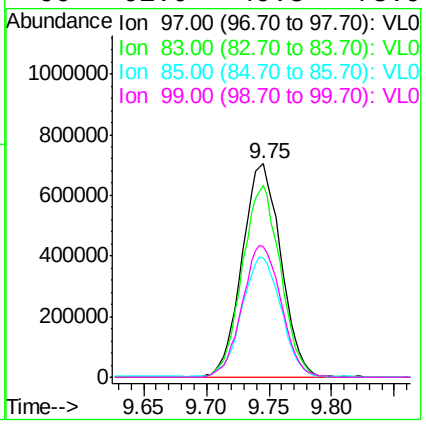




#47
1,1,2-Trichloroethane
Concen: 14.41 ppbv
RT: 9.75 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 97 Resp: 1518160

Ion	Ratio	Lower	Upper
97	100		
83	89.9	69.1	103.7
85	55.9	44.5	66.7
99	61.0	49.3	73.9



Instrument :
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ClientSampleId :
VSTDICC015

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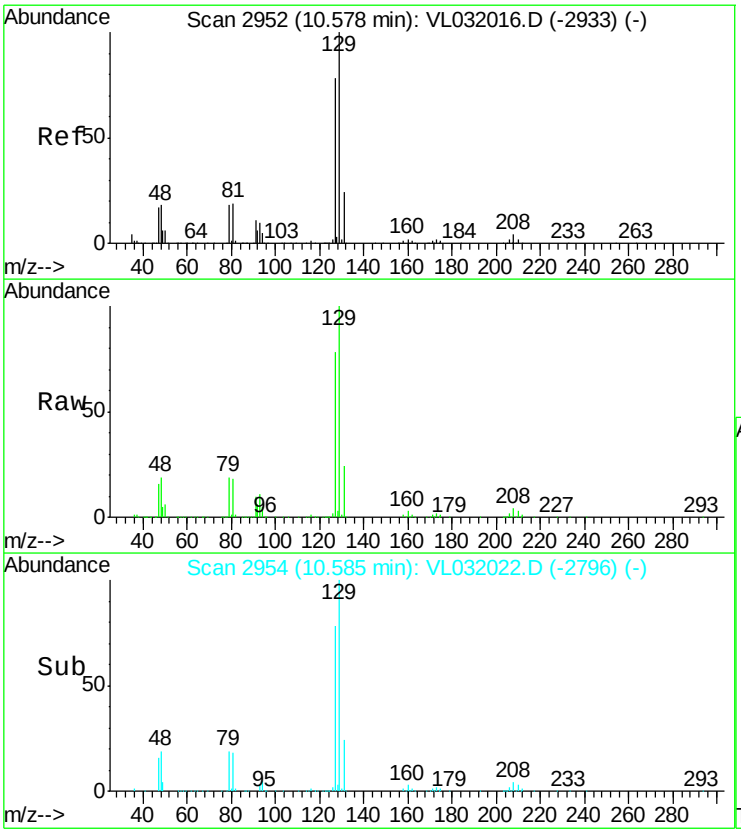
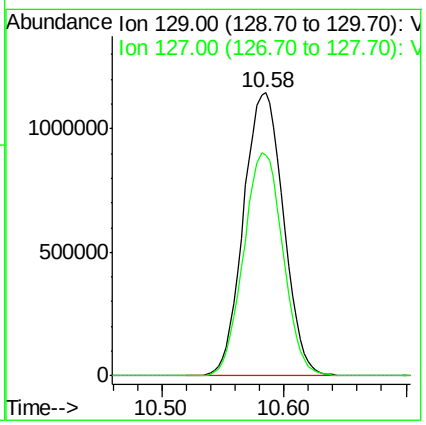
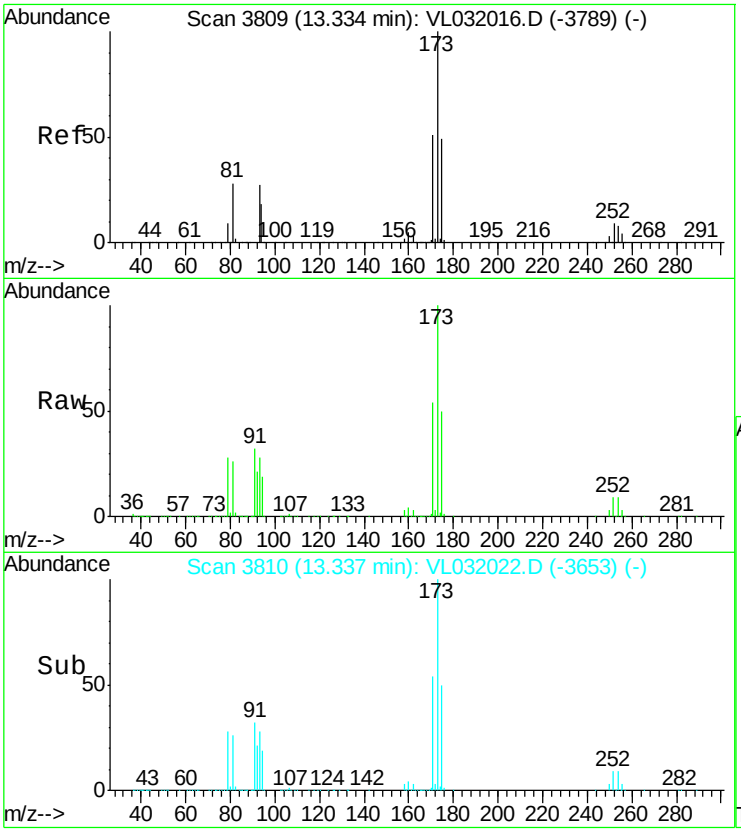


#48
Dibromochloromethane
Concen: 15.27 ppbv
RT: 10.58 min Scan# 2954
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:129 Resp: 2597431

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.3	117.9

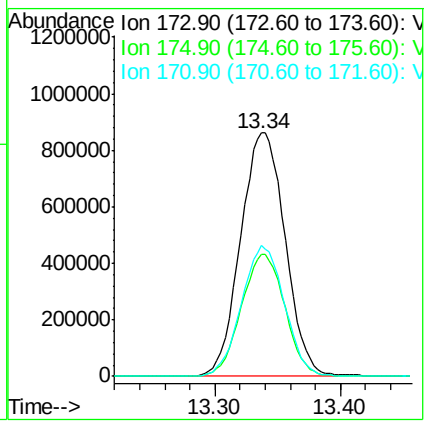




#49
Bromoform
Concen: 15.92 ppbv
RT: 13.34 min Scan# 3810
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:173 Resp: 2123573

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.8	59.8
171	52.1	41.7	62.5



Instrument :
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ClientSampleId :
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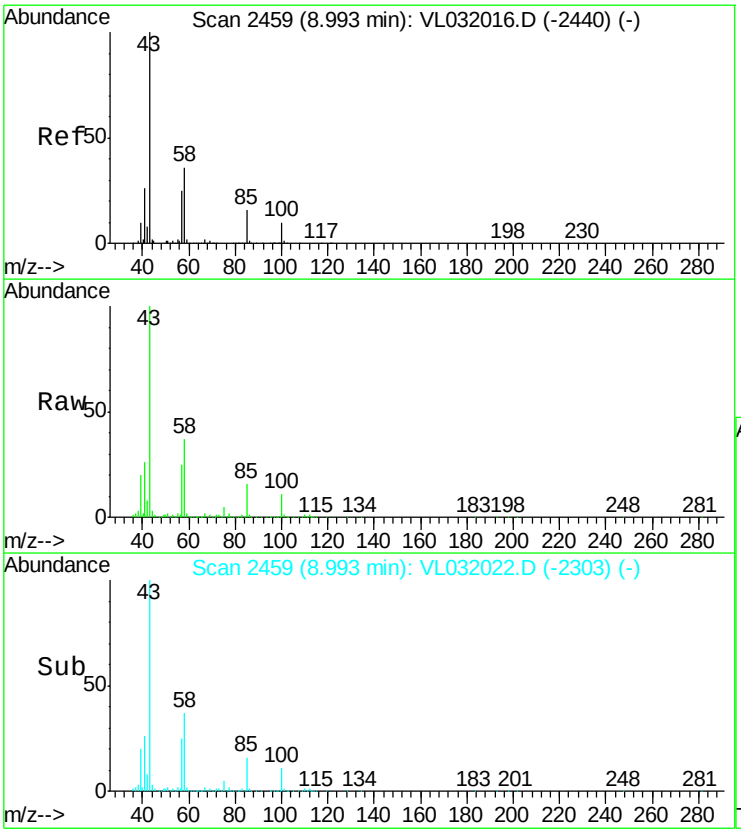
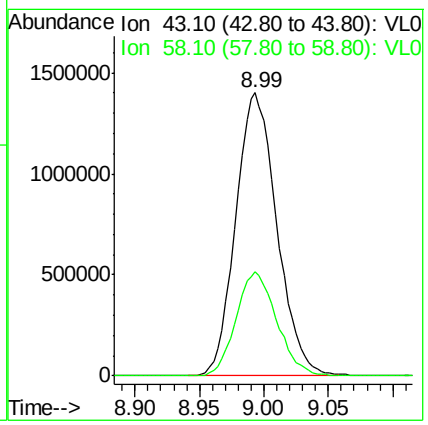
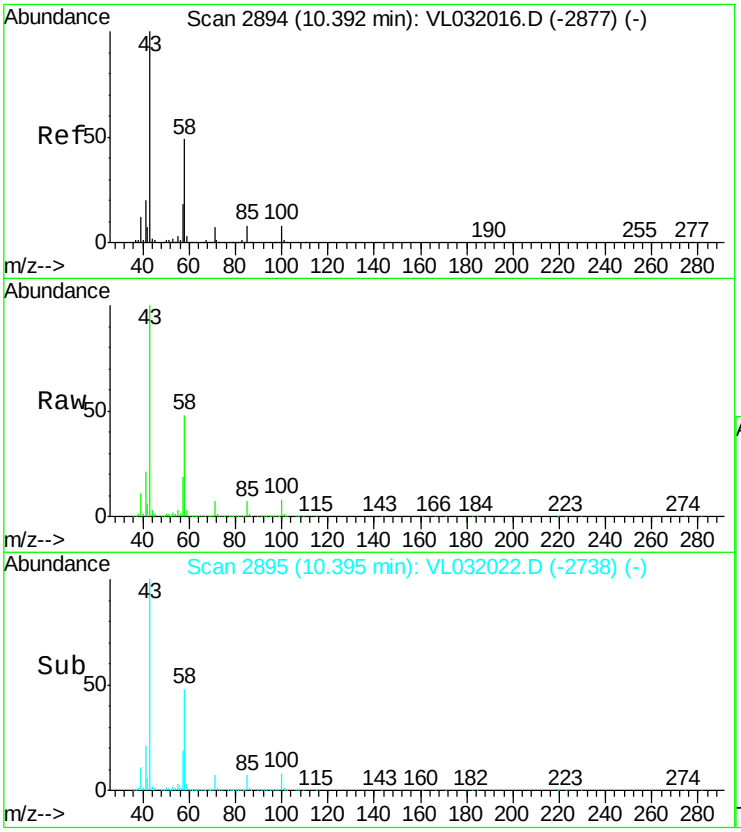


#50
4-Methyl-2-Pentanone
Concen: 14.72 ppbv
RT: 8.99 min Scan# 2459
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 43 Resp: 3106253

Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.1	43.7

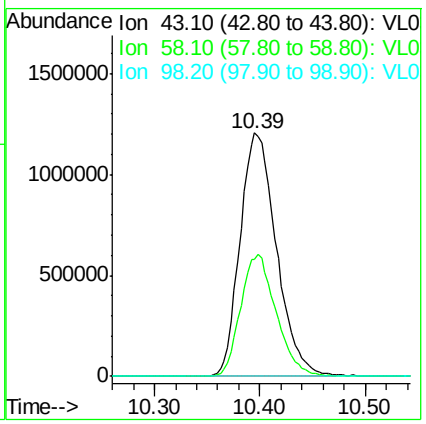




#51
2-Hexanone
Concen: 15.04 ppbv
RT: 10.39 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 43 Resp: 2892385

Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.0	58.6
98	0.2	0.4	0.6#



Instrument :
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ClientSampleId :
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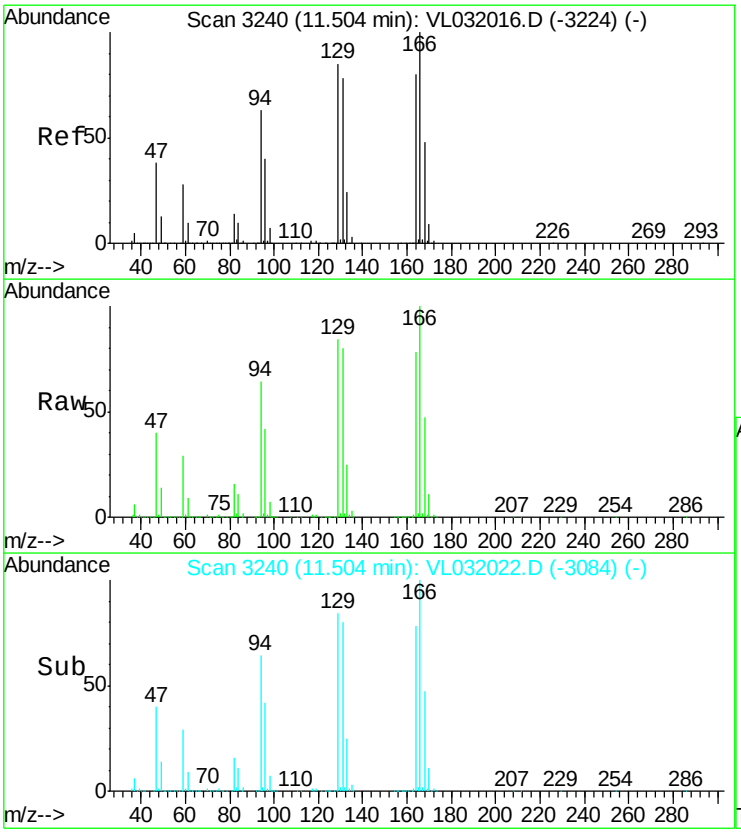
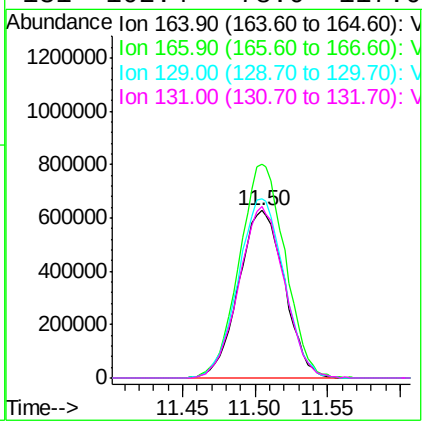
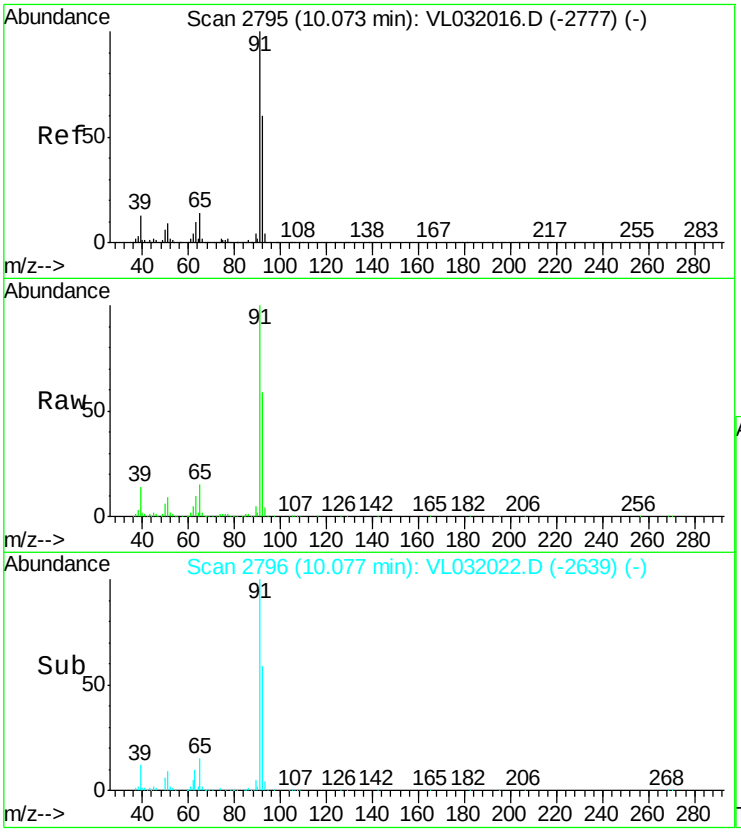


#52
Tetrachloroethene
Concen: 14.55 ppbv
RT: 11.50 min Scan# 3240
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:164 Resp: 1376619

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.2	150.2
129	107.2	85.4	128.0
131	102.4	78.0	117.0





#53
Toluene
Concen: 15.31 ppbv
RT: 10.08 min Scan# 2796
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 91 Resp: 4218374

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.2	72.2

Instrument :
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ClientSampleId :
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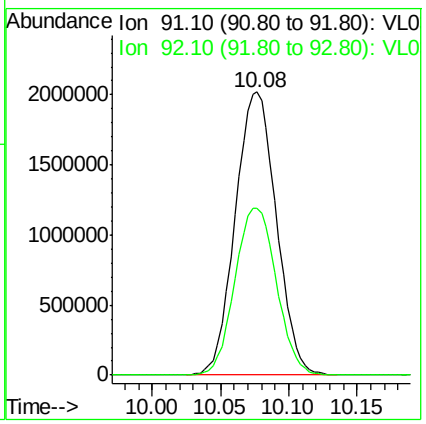
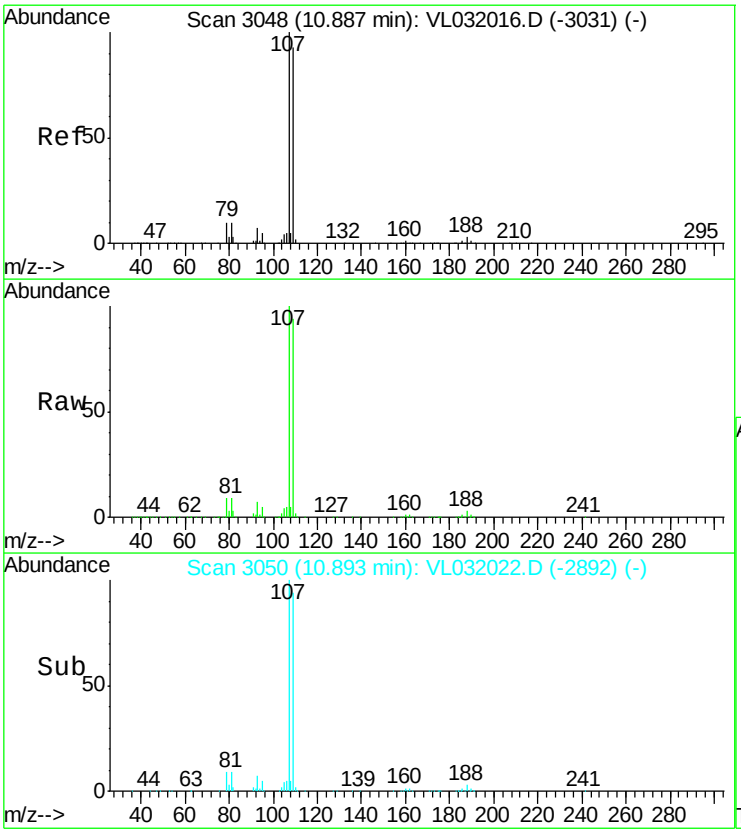
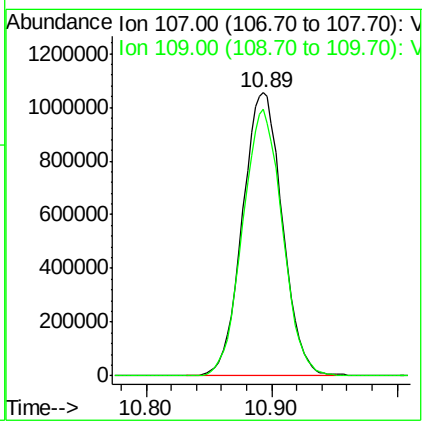


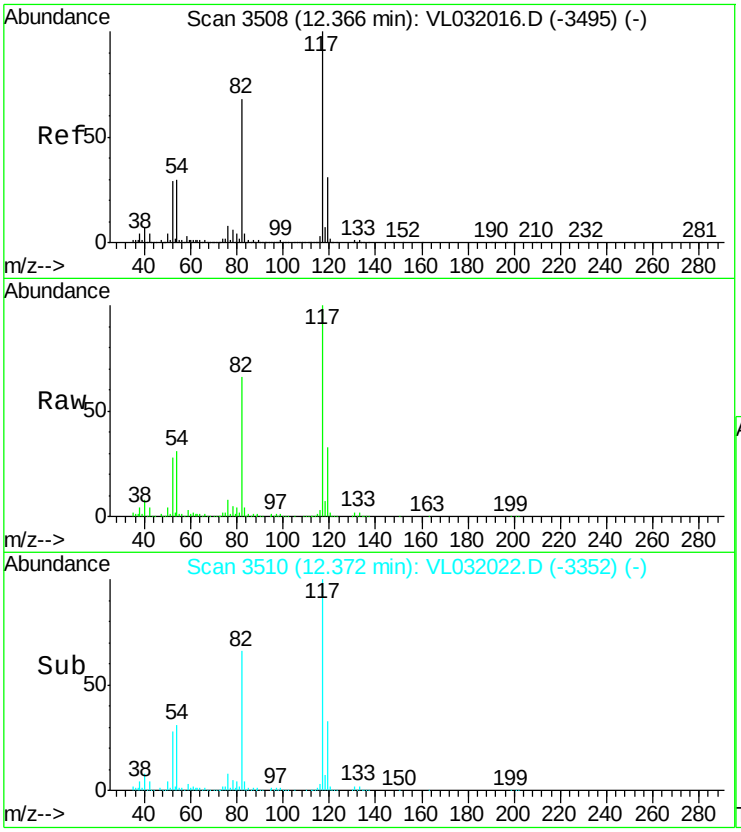


#54
1,2-Dibromoethane
Concen: 14.85 ppbv
RT: 10.89 min Scan# 3050
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:107 Resp: 2329347

Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.6	111.8

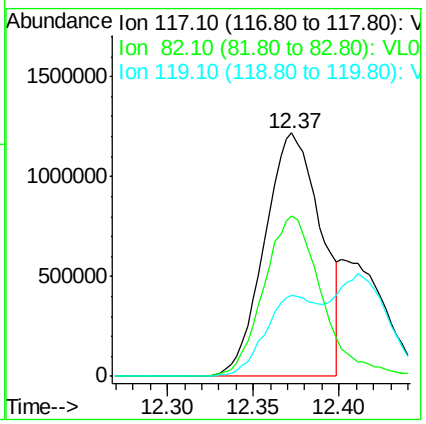




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:117 Resp: 2761104

Ion	Ratio	Lower	Upper
117	100		
82	68.2	52.7	79.1
119	0.0	25.5	38.3#



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ClientSampleId :
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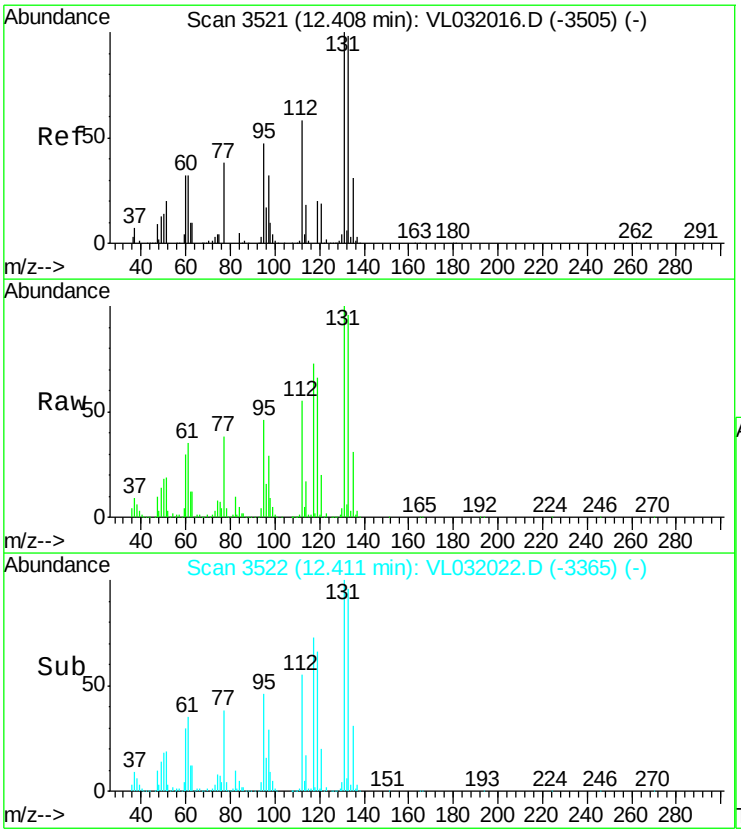
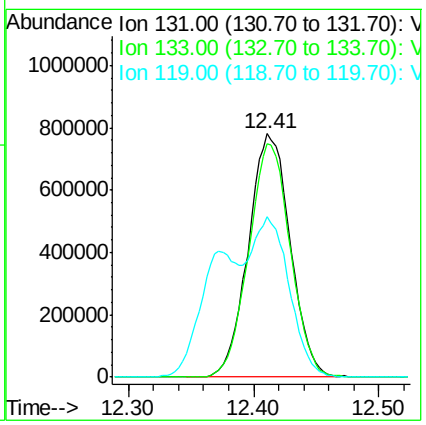
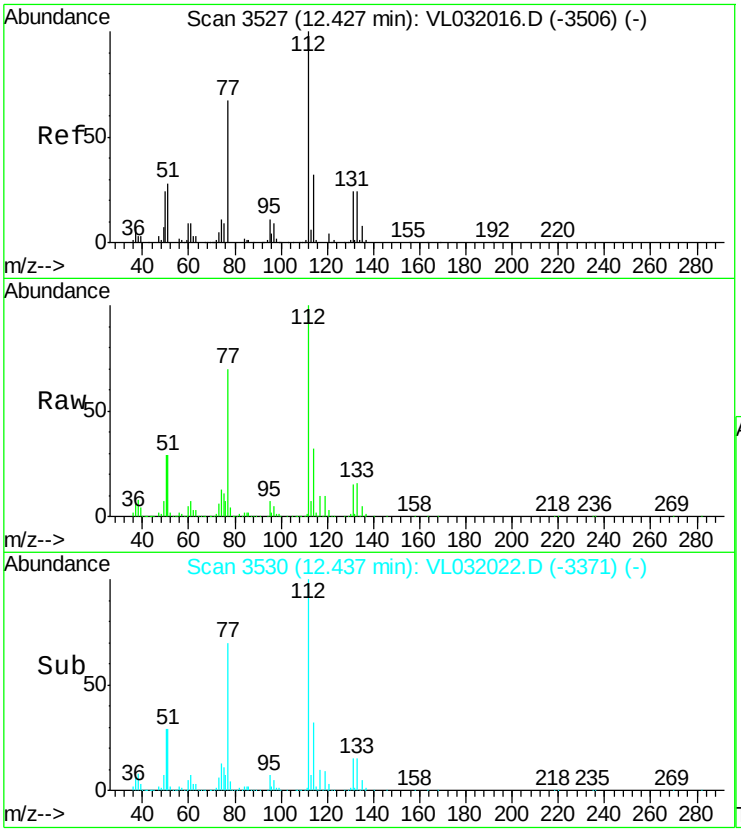


#56
1,1,1,2-Tetrachloroethane
Concen: 14.24 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:131 Resp: 1811478

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.7	115.1
119	110.6	49.2	73.8#

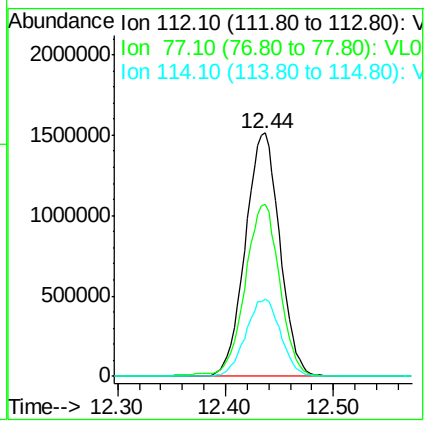




#57
Chlorobenzene
Concen: 13.89 ppbv
RT: 12.44 min Scan# 3530
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:112 Resp: 3356618

Ion	Ratio	Lower	Upper
112	100		
77	70.3	54.3	81.5
114	31.9	28.6	35.0



Instrument :
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ClientSampleId :
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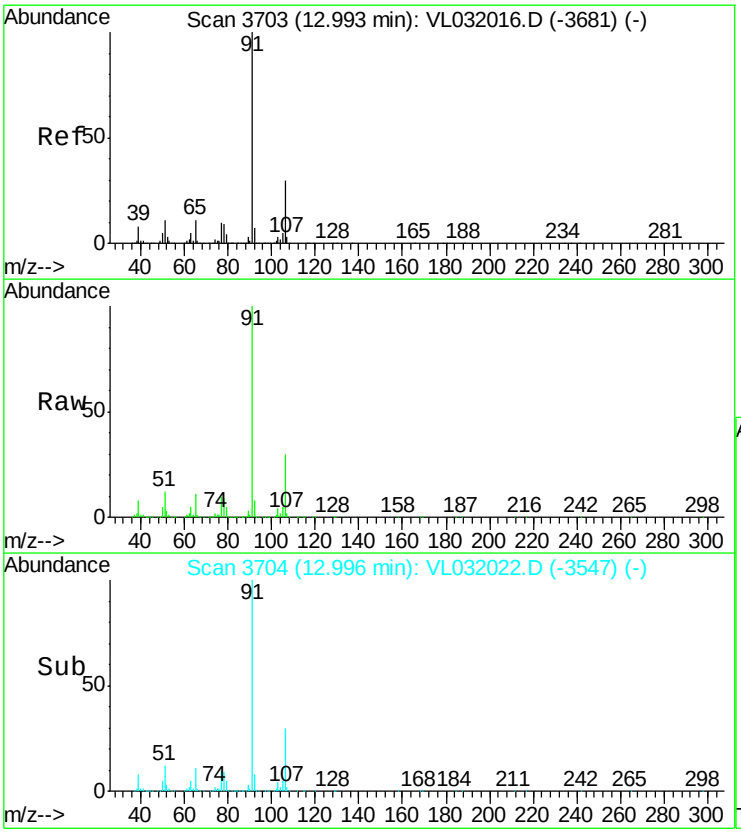
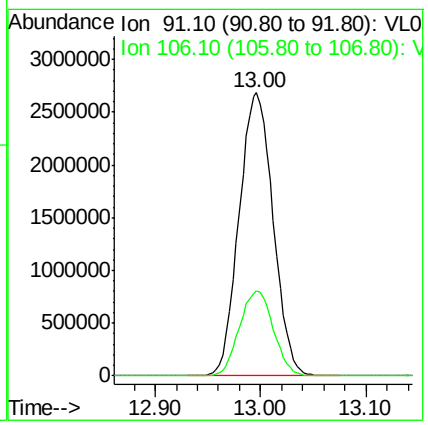
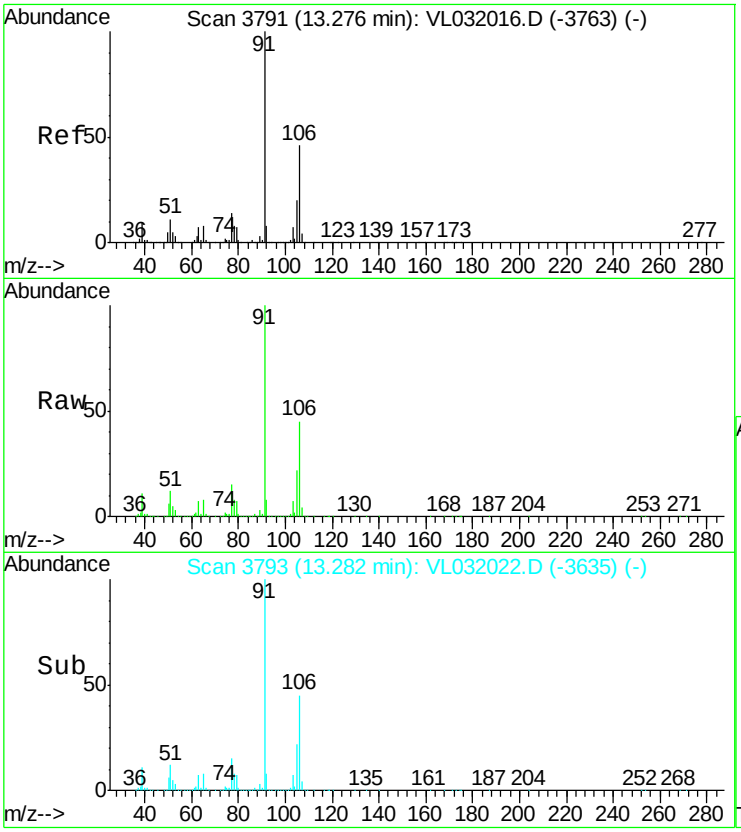


#58
Ethyl Benzene
Concen: 15.03 ppbv
RT: 13.00 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 91 Resp: 6013554

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.2





#59
m/p-Xylene
Concen: 28.93 ppbv m
RT: 13.28 min Scan# 3793
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 91 Resp: 9894679

Ion	Ratio	Lower	Upper
91	100		
106	45.3	35.7	53.5

Instrument :
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ClientSampleId :
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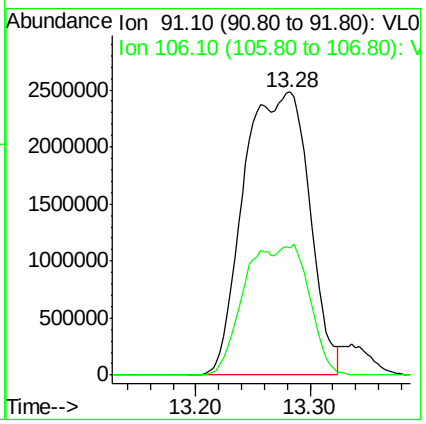
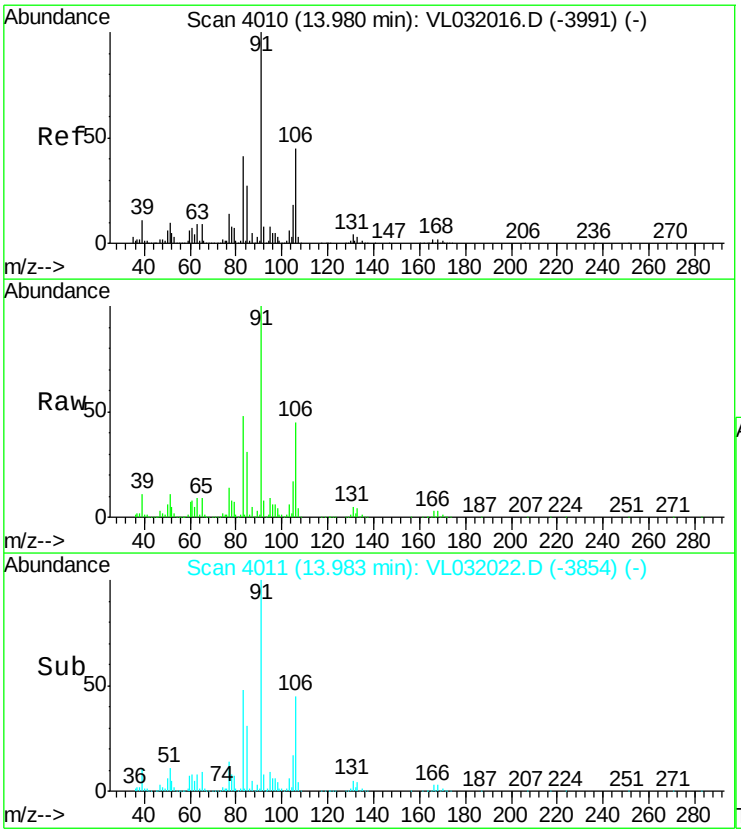
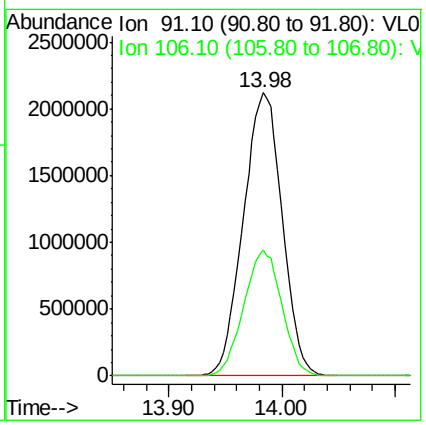


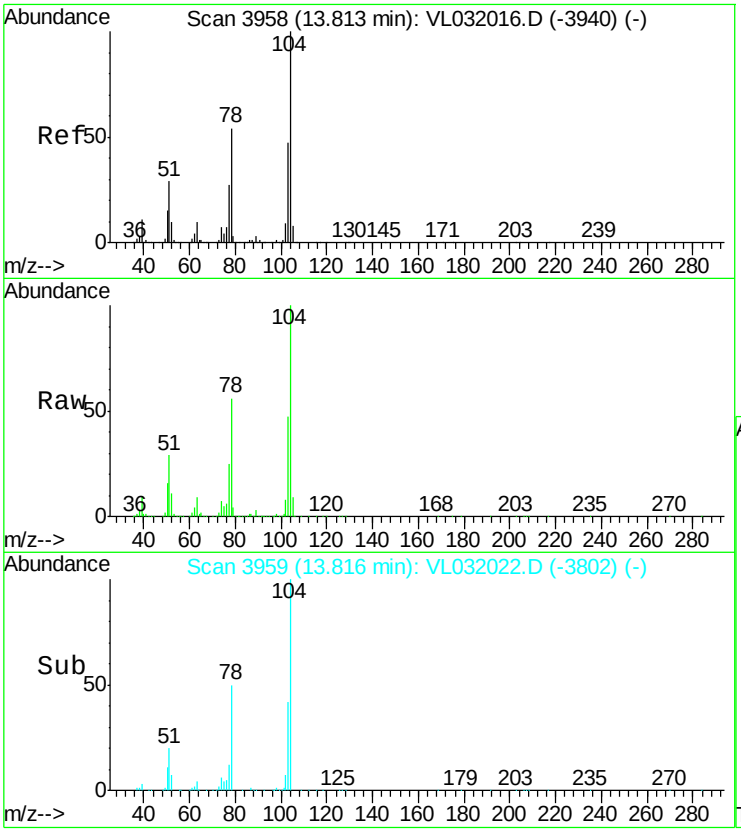


#60
o-Xylene
Concen: 14.75 ppbv
RT: 13.98 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 91 Resp: 5061783

Ion	Ratio	Lower	Upper
91	100		
106	43.7	21.9	65.5

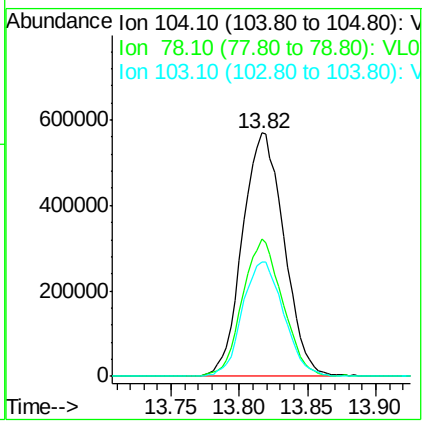




#61
Stvrene
Concen: 17.39 ppbv
RT: 13.82 min Scan# 3959
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:104 Resp: 1206364

Ion	Ratio	Lower	Upper
104	100		
78	54.6	43.0	64.4
103	46.8	37.4	56.2



Instrument :
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ClientSampleId :
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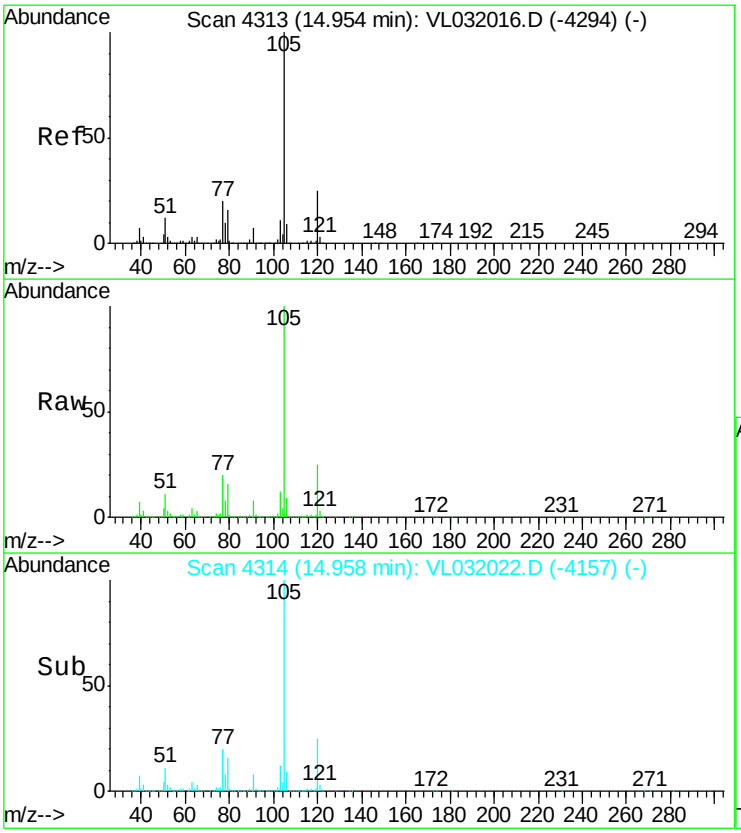
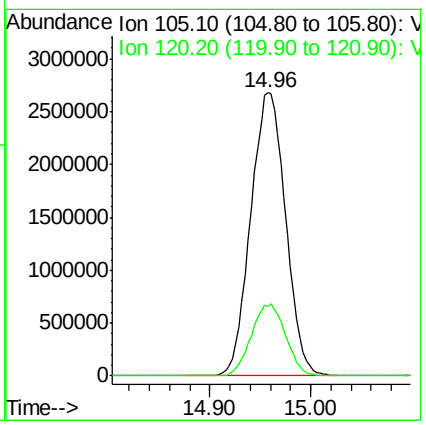
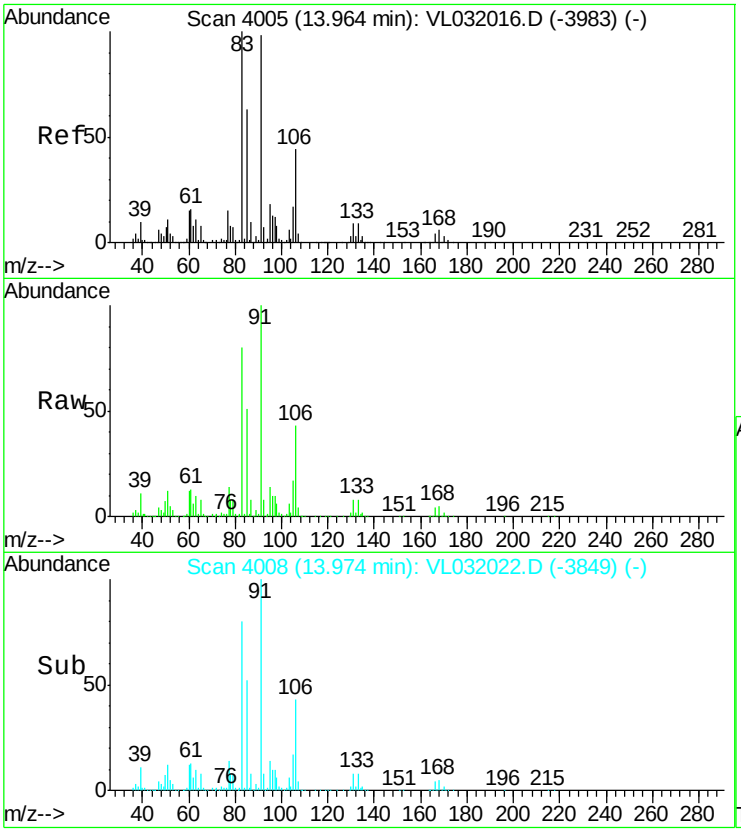


#62
Isopropylbenzene
Concen: 14.71 ppbv
RT: 14.96 min Scan# 4314
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:105 Resp: 6424283

Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.8	29.8

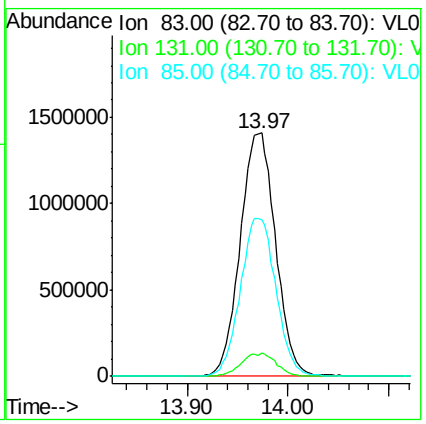




#63
1,1,2,2-Tetrachloroethane
Concen: 14.12 ppbv
RT: 13.97 min Scan# 4008
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 83 Resp: 3427066

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.0
85	65.6	32.2	96.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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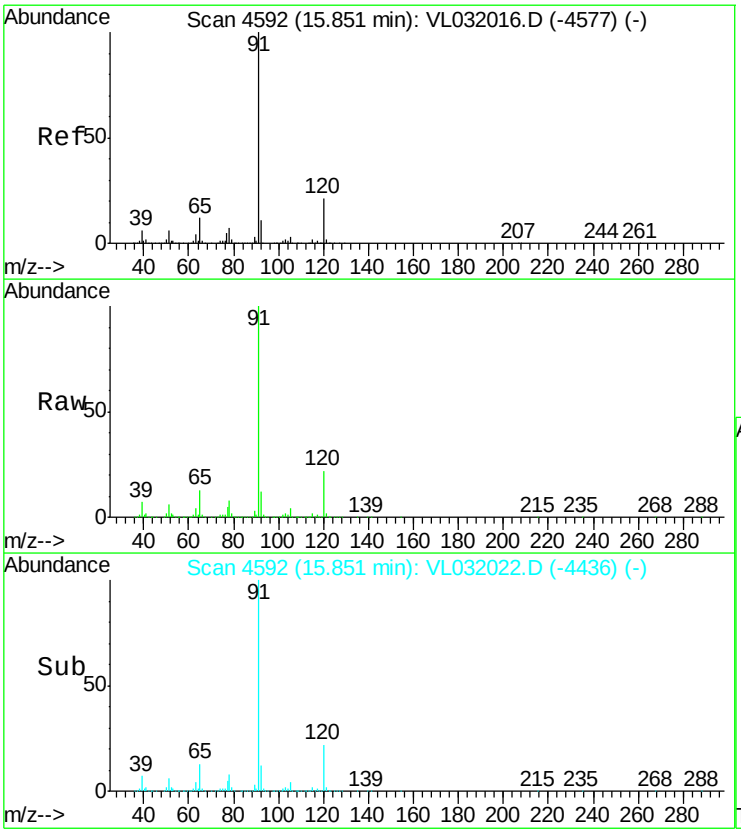
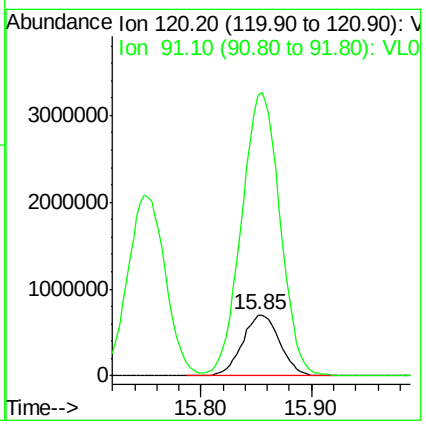
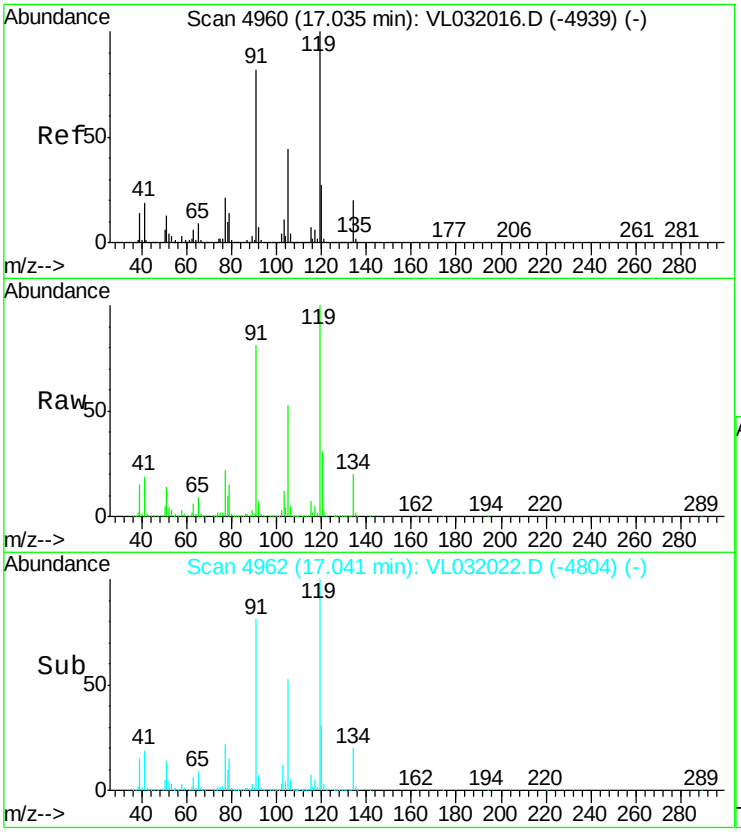


#64
n-propylbenzene
Concen: 15.02 ppbv
RT: 15.85 min Scan# 4592
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:120 Resp: 1649477

Ion	Ratio	Lower	Upper
120	100		
91	479.1	391.1	586.7

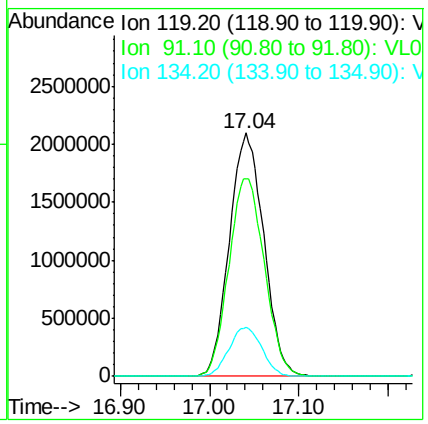




#65
tert-Butylbenzene
Concen: 14.38 ppbv
RT: 17.04 min Scan# 4962
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:119 Resp: 5589554

Ion	Ratio	Lower	Upper
119	100		
91	84.3	68.2	102.4
134	19.5	15.6	23.4



Instrument :
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ClientSampleId :
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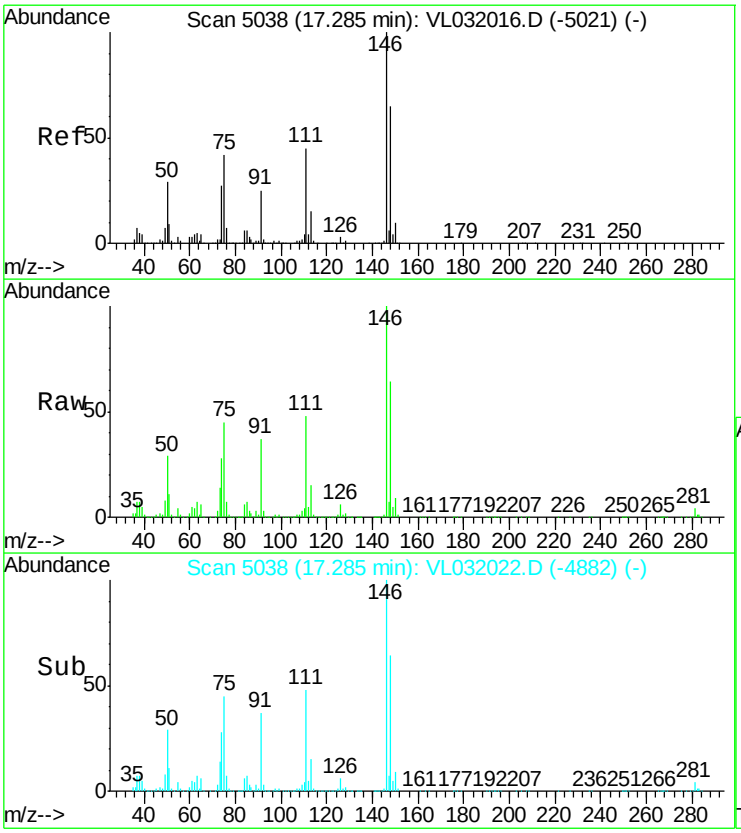
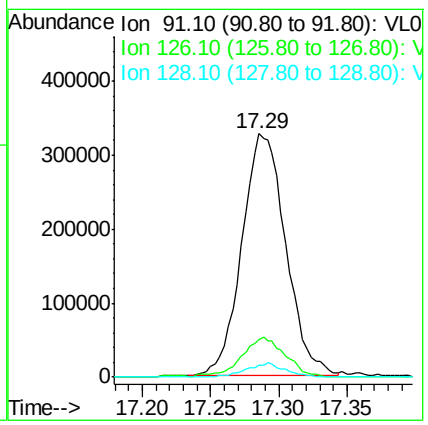
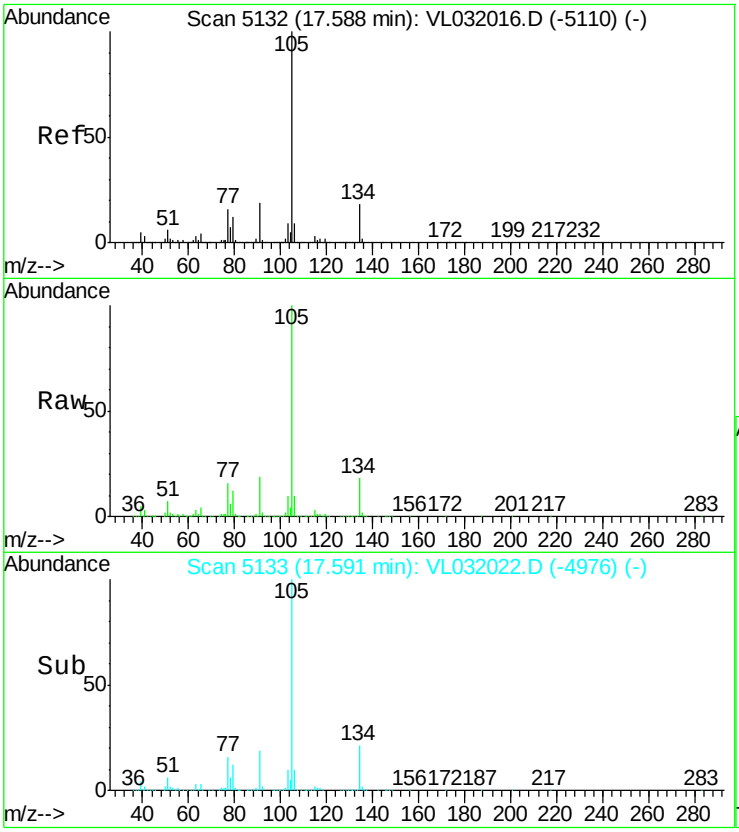


#66
Benzyl Chloride
Concen: 20.14 ppbv
RT: 17.29 min Scan# 5038
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 91 Resp: 730059

Ion	Ratio	Lower	Upper
91	100		
126	17.1	14.2	21.2
128	5.2	4.5	6.7





#67
sec-Butylbenzene
Concen: 14.89 ppbv
RT: 17.59 min Scan# 5133
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:105 Resp: 8057212

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.4	21.6

Instrument :
MSVOA_L
ClientSampleId :
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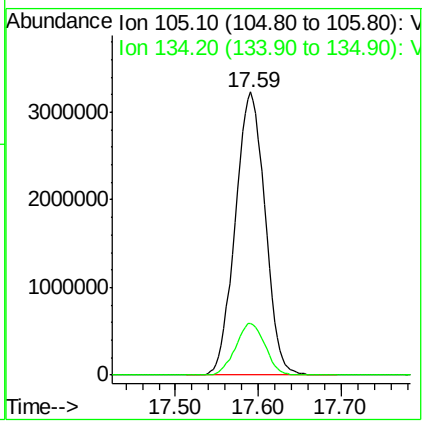
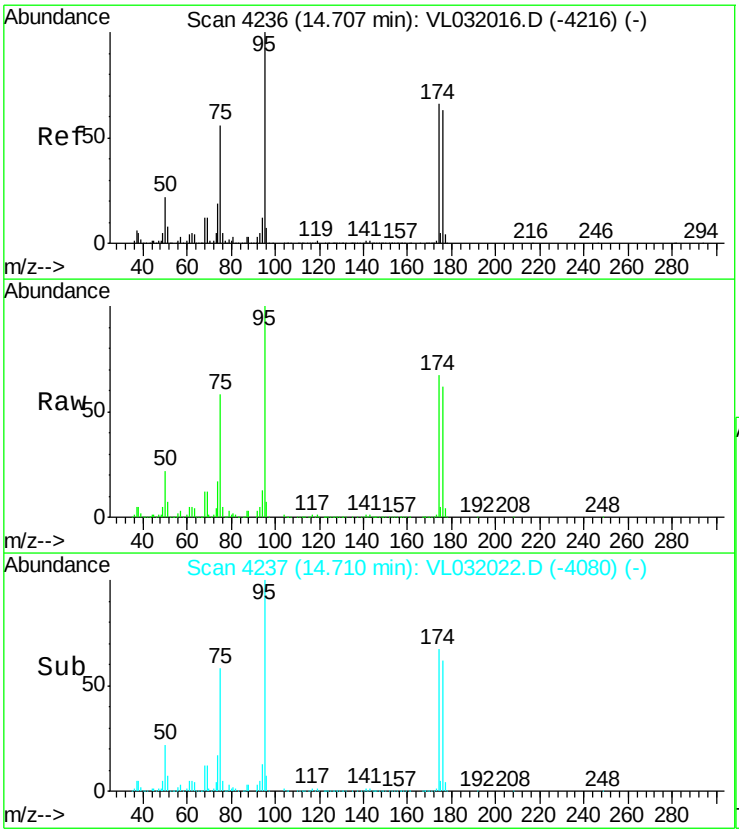
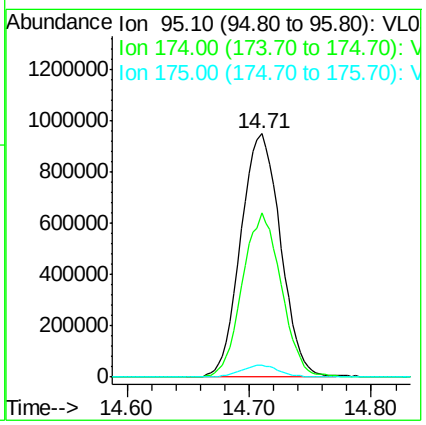


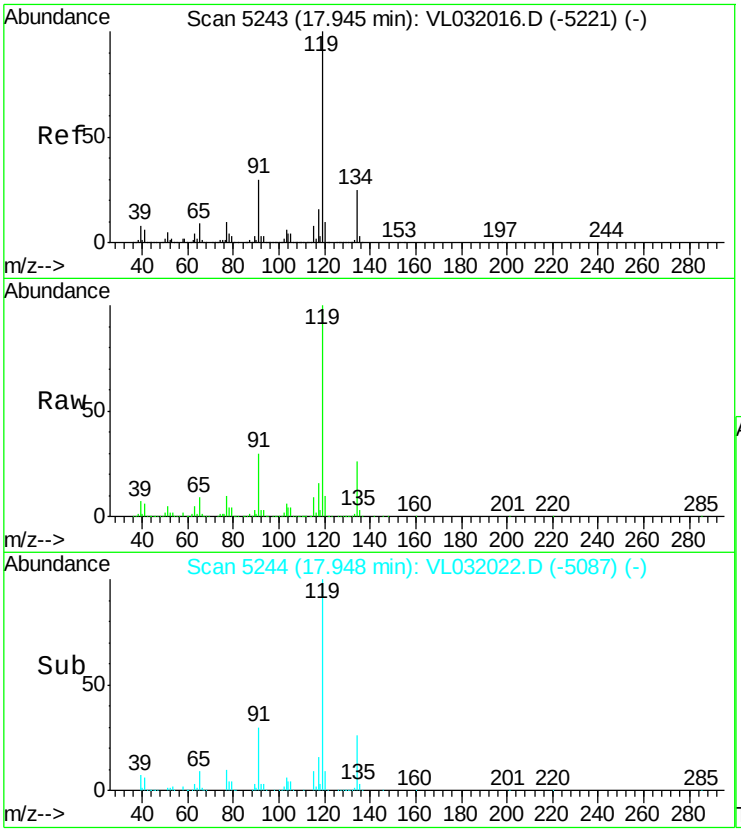


#68
1-Bromo-4-Fluorobenzene
Concen: 9.99 ppbv
RT: 14.71 min Scan# 4237
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 95 Resp: 2141961

Ion	Ratio	Lower	Upper
95	100		
174	66.1	53.2	79.8
175	4.7	3.7	5.5

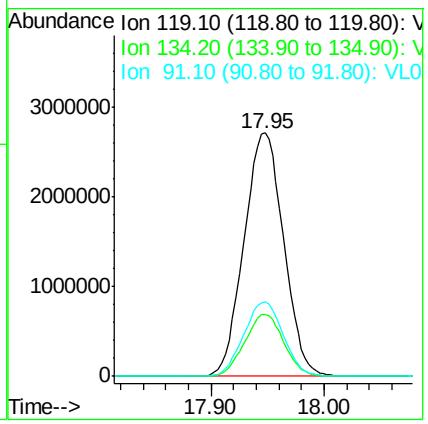




#69
p-Isopropyltoluene
Concen: 15.23 ppbv
RT: 17.95 min Scan# 5244
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:119 Resp: 6602719

Ion	Ratio	Lower	Upper
119	100		
134	25.2	19.9	29.9
91	30.5	24.1	36.1



Instrument :
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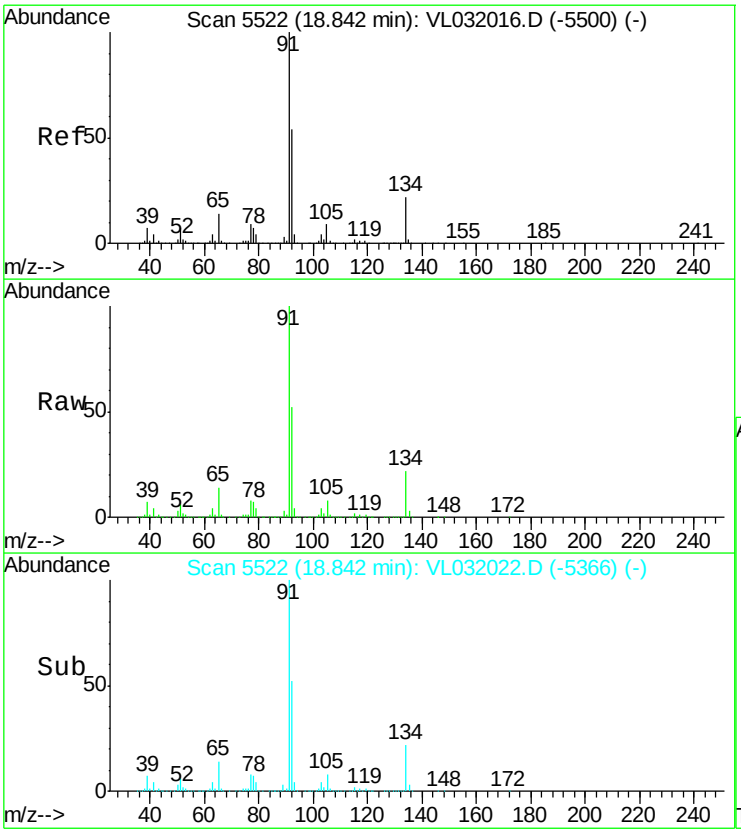
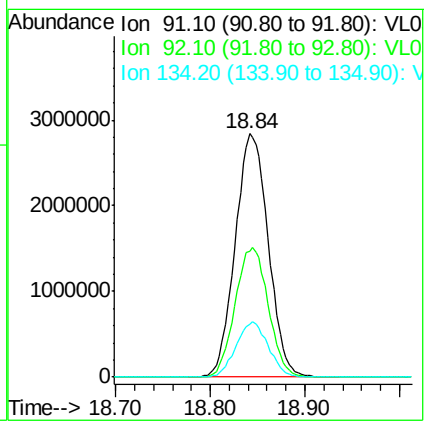
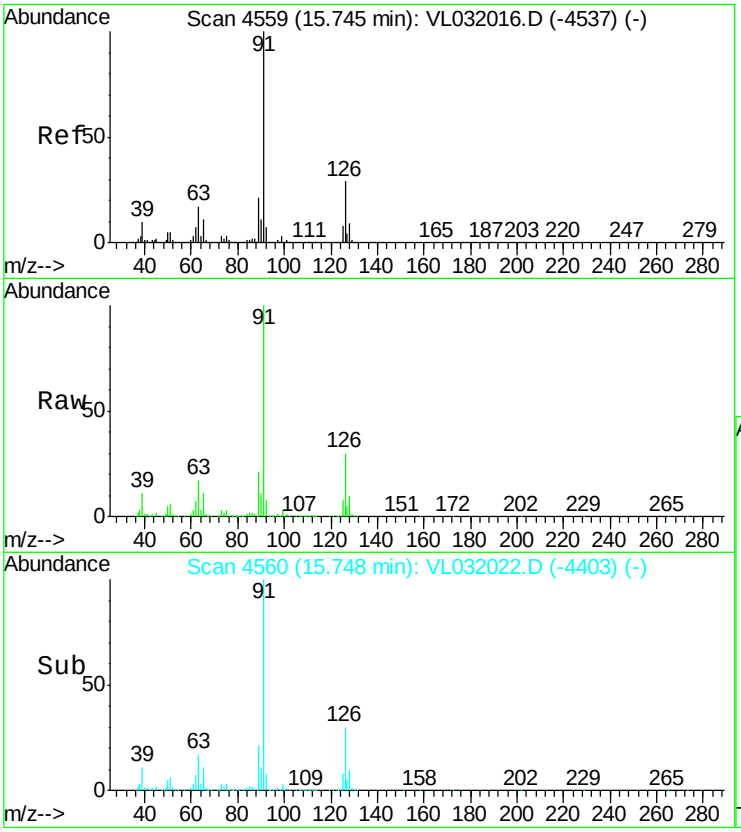


#70
n-Butylbenzene
Concen: 15.39 ppbv
RT: 18.84 min Scan# 5522
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 91 Resp: 6892533

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.5	63.7
134	22.1	17.4	26.2





#71
2-Chlorotoluene
Concen: 15.37 ppbv
RT: 15.75 min Scan# 4560
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion: 91 Resp: 4931045

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.7	46.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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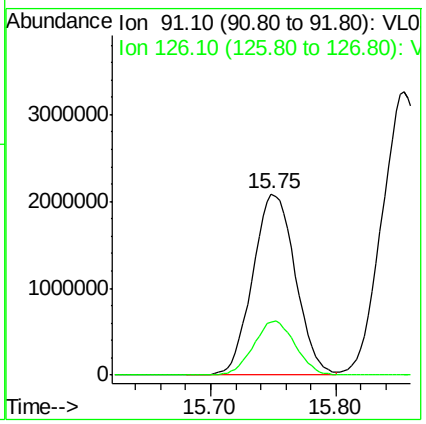
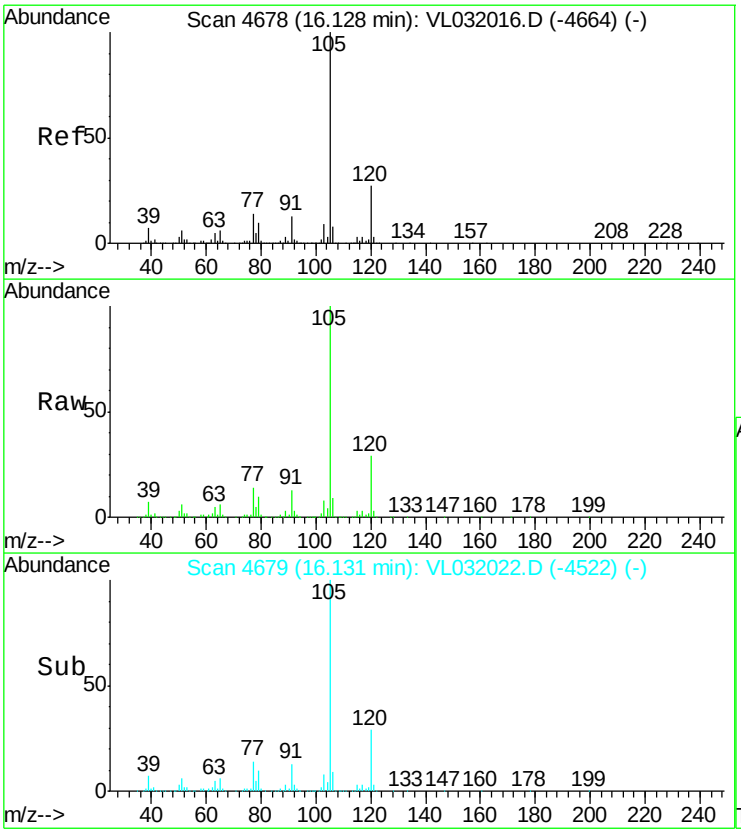
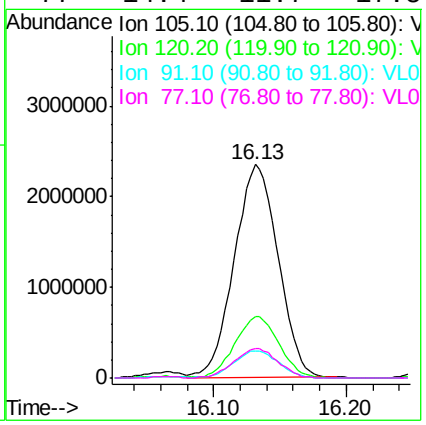


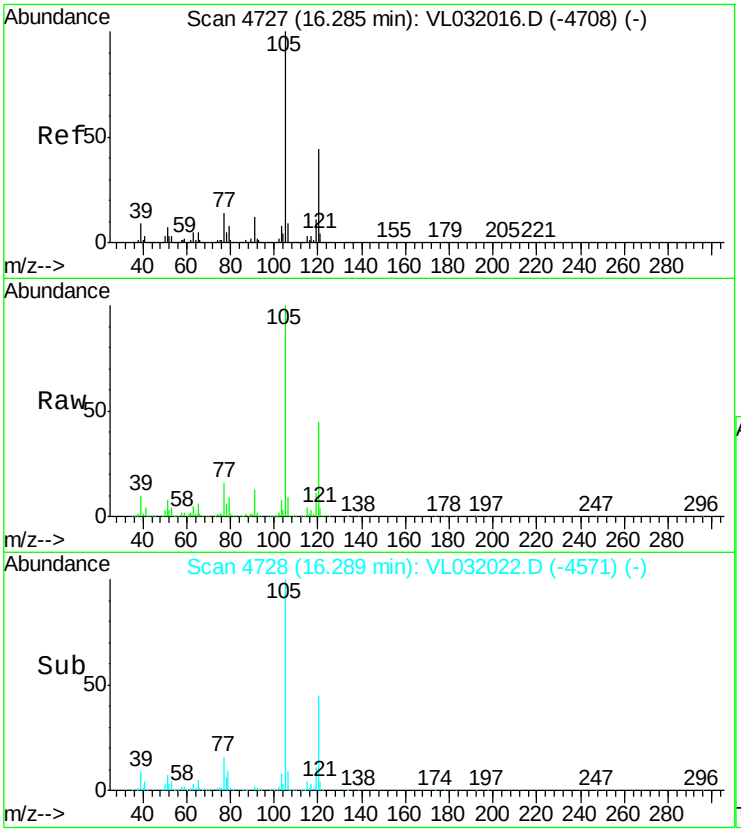


#72
4-Ethyltoluene
Concen: 15.48 ppbv
RT: 16.13 min Scan# 4679
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:105 Resp: 5395178

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.4	35.0
91	13.2	10.7	16.1
77	14.4	11.7	17.5

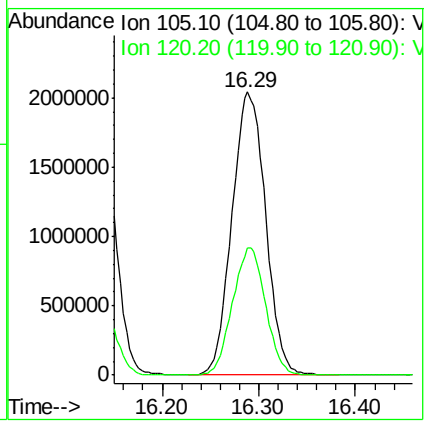




#73
1,3,5-Trimethylbenzene
Concen: 15.37 ppbv
RT: 16.29 min Scan# 4728
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:105 Resp: 4920901

Ion	Ratio	Lower	Upper
105	100		
120	45.2	35.0	52.4



Instrument :
MSVOA_L
ClientSampleId :
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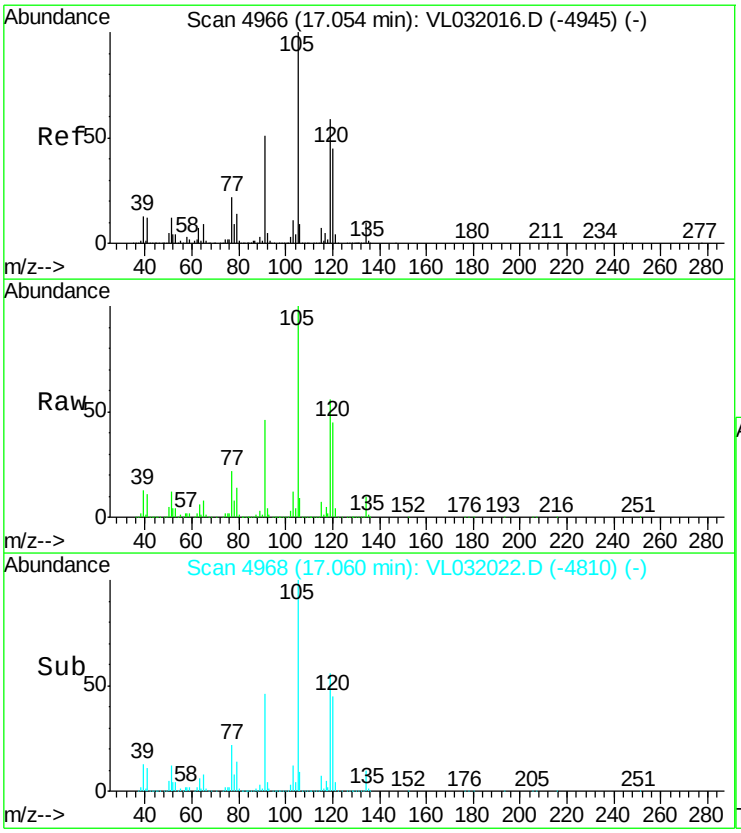
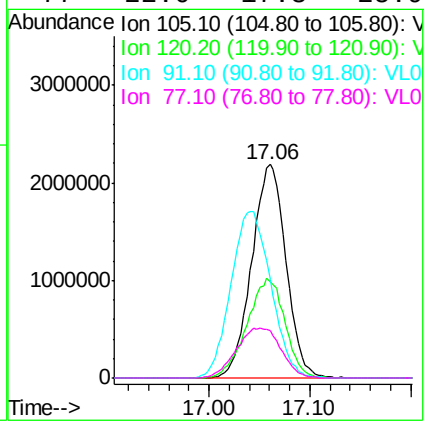
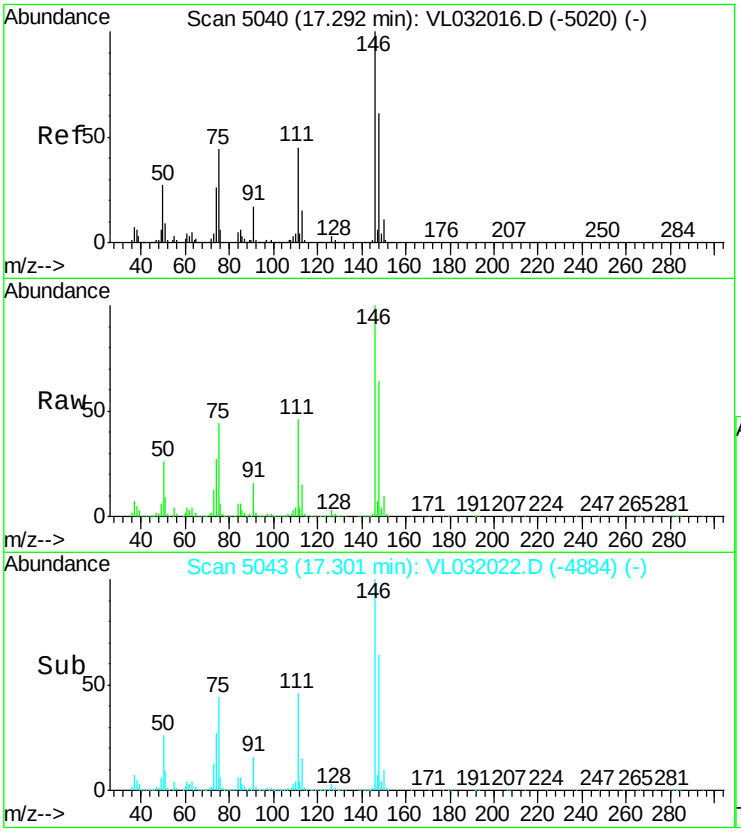


#74
1,2,4-Trimethylbenzene
Concen: 14.50 ppbv
RT: 17.06 min Scan# 4968
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:105 Resp: 5158391

Ion	Ratio	Lower	Upper
105	100		
120	45.1	36.0	54.0
91	46.1	41.4	62.0
77	22.0	17.3	25.9

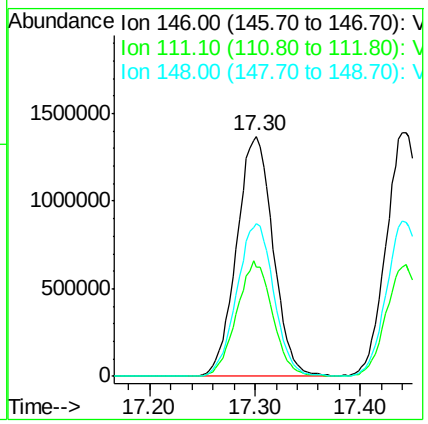




#75
1,3-Dichlorobenzene
Concen: 14.90 ppbv
RT: 17.30 min Scan# 5043
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:146 Resp: 3295229

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.7	71.1
148	64.6	32.1	96.5



Instrument :
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ClientSampleId :
VSTDICC015

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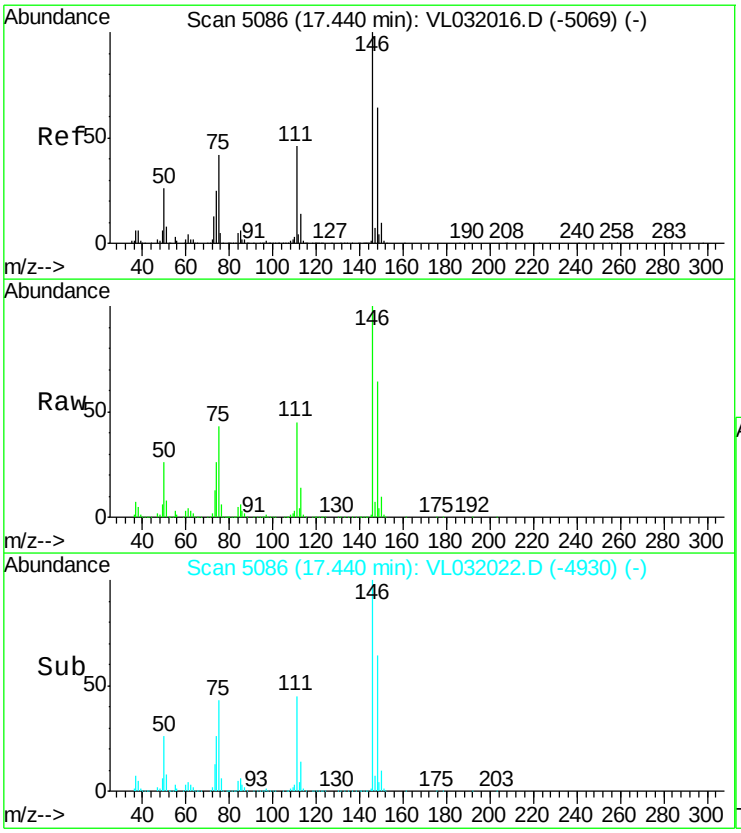
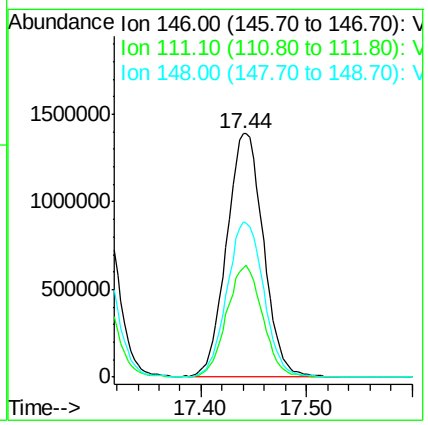
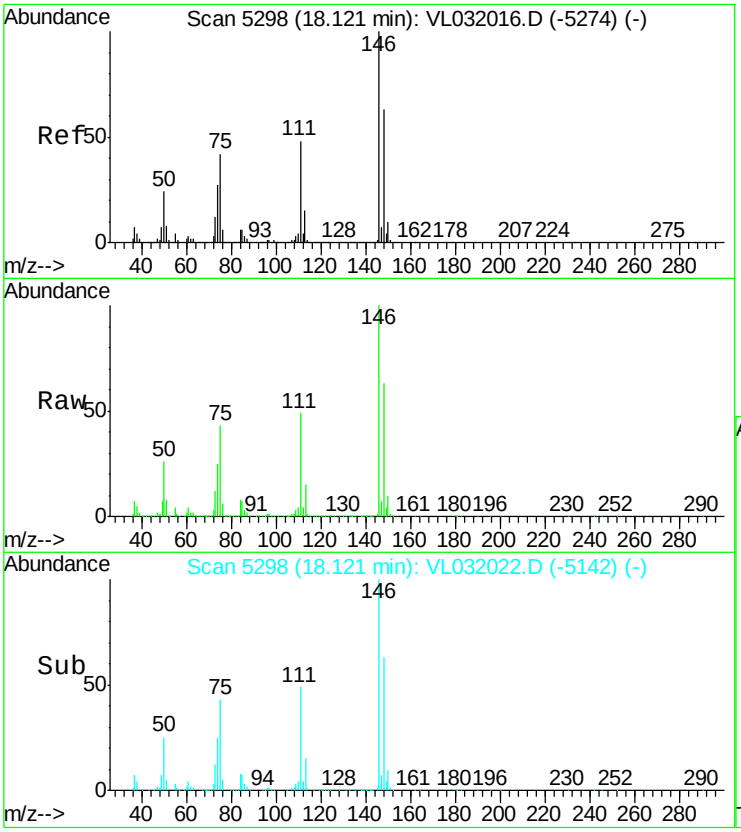


#76
1,4-Dichlorobenzene
Concen: 15.34 ppbv
RT: 17.44 min Scan# 5086
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:146 Resp: 3353261

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.4	67.0
148	63.9	32.1	96.3

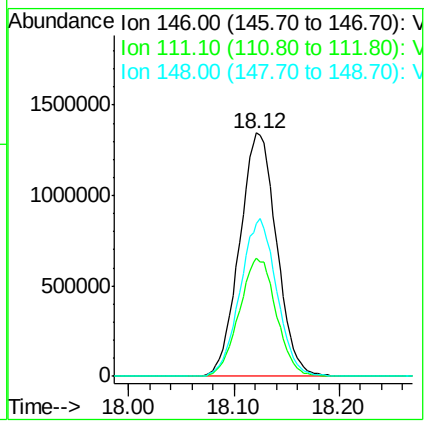




#77
1,2-Dichlorobenzene
Concen: 14.89 ppbv
RT: 18.12 min Scan# 5298
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:146 Resp: 3281938

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.2	72.6
148	64.3	32.0	96.2



Instrument :
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ClientSampleId :
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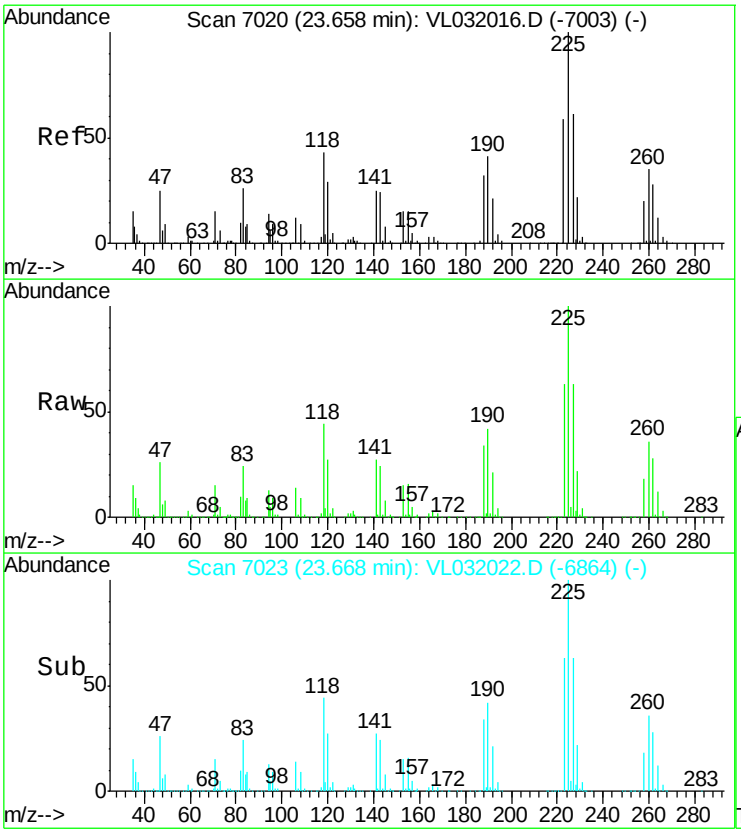
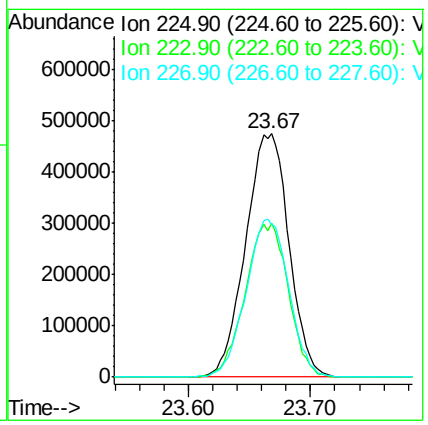
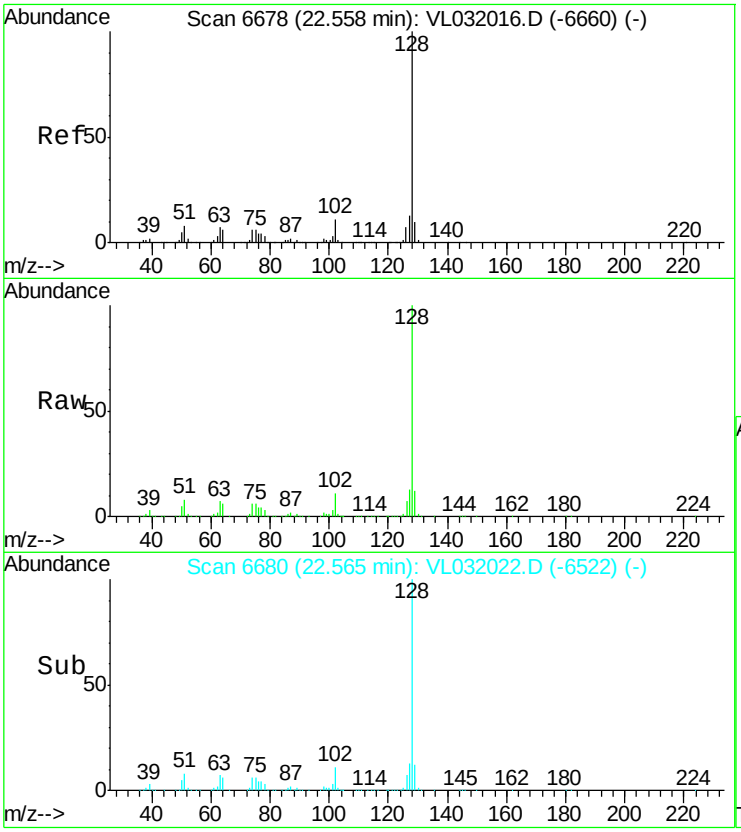


#78
Hexachloro-1,3-Butadiene
Concen: 12.95 ppbv
RT: 23.67 min Scan# 7023
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:225 Resp: 1167586

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.4	74.2
227	63.9	51.2	76.8

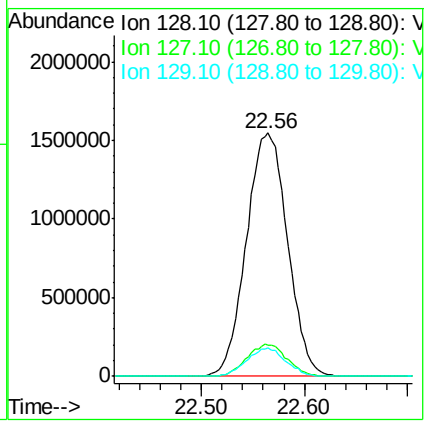




#79
Naphthalene
Concen: 17.56 ppbv
RT: 22.56 min Scan# 6680
Delta R.T. 0.01 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:128 Resp: 4288772

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.7	8.2	12.2



Instrument :
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ClientSampleId :
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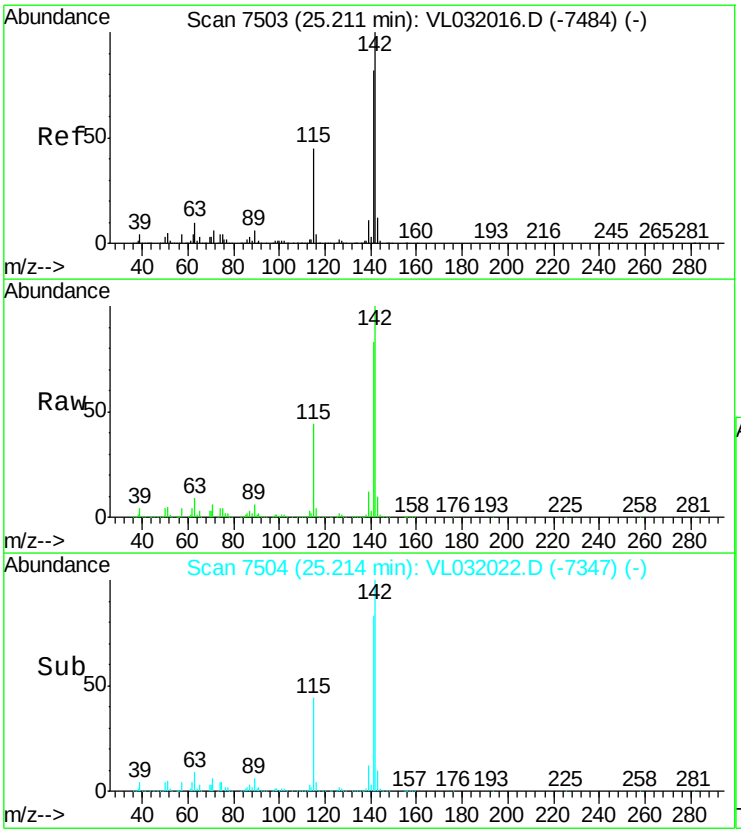
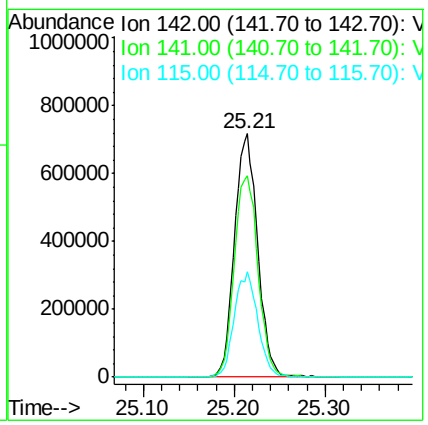
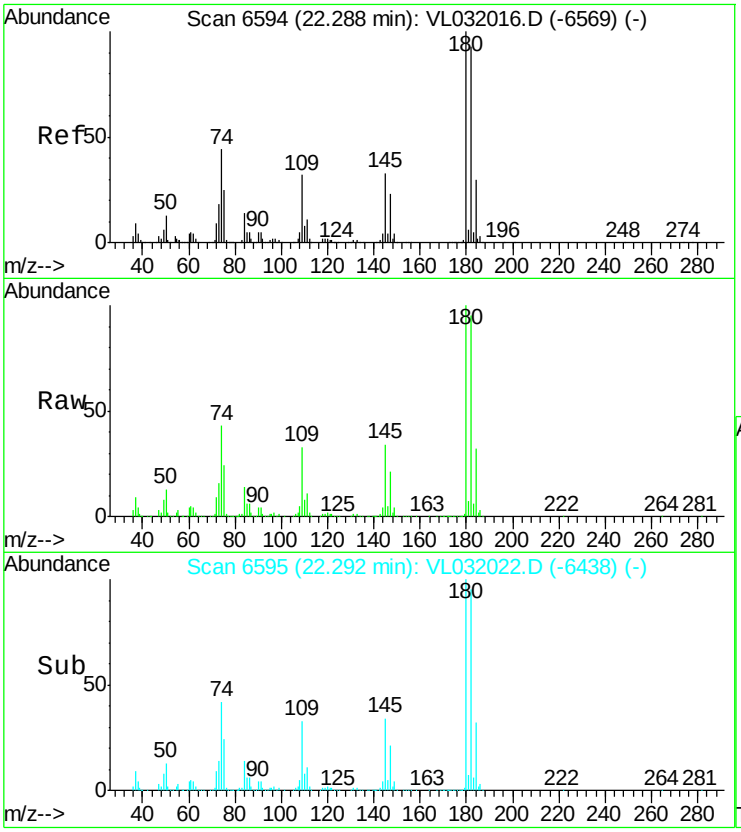


#80
Naphthalene,2-methyl-
Concen: 19.76 ppbv
RT: 25.21 min Scan# 7504
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:142 Resp: 1272281

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.4	101.2
115	43.8	35.3	52.9

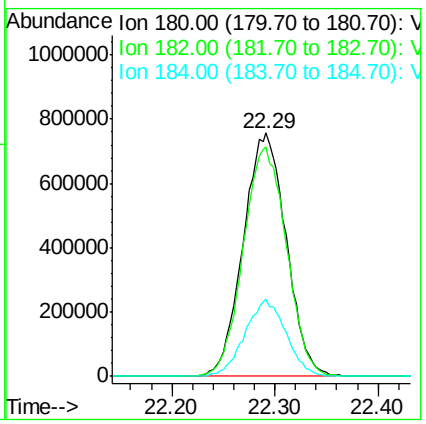




#81
1,2,4-Trichlorobenzene
Concen: 16.13 ppbv
RT: 22.29 min Scan# 6595
Delta R.T. 0.00 min
Lab File: VL032022.D
Acq: 31 May 2018 20:04

Tgt Ion:180 Resp: 2182646

Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.8	116.6
184	30.4	24.9	37.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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