

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110718\
 Data File : VL032712.D
 Acq On : 7 Nov 2018 10:45
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 12:29:59 PM

Quant Time: Nov 07 13:46:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 2018
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1624542	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4045735	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4275360m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2954854	9.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	2060265	12.447	ppbv	98
3) Chlorodifluoromethane	3.02	51	1210963	9.532	ppbv	100
4) Chloromethane	3.18	50	689060	9.705	ppbv	100
5) Vinyl Chloride	3.30	62	716539	9.317	ppbv	97
6) Bromomethane	3.53	94	441535	9.208	ppbv	91
7) Chloroethane	3.61	64	254911	9.002	ppbv	96
8) Dichlorotetrafluoroethane	3.23	85	1634627	9.370	ppbv	92
9) Propene	3.05	41	537107	10.273	ppbv	100
10) Heptane	8.26	43	2077707	10.312	ppbv	99
11) Trichlorofluoromethane	4.01	101	1810480	8.374	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1578706	8.781	ppbv	91
13) Ethanol	3.66	45	138480	9.267	ppbv	98
14) Bromoethene	3.80	108	570462	9.388	ppbv	99
15) Acetone	3.91	43	1210057	8.066	ppbv	99
16) 1,3-Butadiene	3.37	39	634412	11.496	ppbv #	76
17) tert-Butyl alcohol	4.37	59	549060	12.445	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	860556	10.895	ppbv	96
19) Isopropyl Alcohol	4.04	45	909579	8.514	ppbv #	97
20) Methylene Chloride	4.42	84	722962	9.494	ppbv	93
21) Allyl Chloride	4.49	41	1404332	11.402	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	829466	10.238	ppbv	90
23) Vinyl Acetate	5.17	43	2883839	10.849	ppbv	98
24) 1,1-Dichloroethane	5.11	63	2074549	9.942	ppbv	99
25) Ethyl Acetate	5.78	43	3464957	10.035	ppbv	99
26) Hexane	5.80	57	1607288	9.838	ppbv	98
27) Carbon Disulfide	4.63	76	2124181	10.718	ppbv	98
28) Methyl tert-Butyl Ether	5.13	73	2606152	11.099	ppbv	100
29) Chloroform	5.86	83	2651313	10.159	ppbv	98
30) Cyclohexane	7.26	84	1433200	11.082	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1605855	10.600	ppbv	99
32) 1,1,1-Trichloroethane	6.64	97	2655528	10.013	ppbv	98
34) 2-Butanone	5.34	43	2244808	10.350	ppbv	100
35) Carbon Tetrachloride	7.15	117	2838967	9.887	ppbv	99
36) Benzene	7.02	78	3393288	10.329	ppbv	100
37) 1,2-Dichloroethane	6.43	62	2023724	10.043	ppbv	98
38) Trichloroethene	7.98	130	1316589	10.826	ppbv	98
39) 1,2-Dichloropropane	7.75	63	1296714	10.221	ppbv	99
40) 1,4-Dioxane	7.97	88	464161	10.713	ppbv #	100
41) Tetrahydrofuran	6.16	42	1364693	11.292	ppbv	99
42) Bromodichloromethane	7.93	83	2854033	10.109	ppbv	100
43) Methyl Methacrylate	8.15	69	1351083	11.221	ppbv	96

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 VSTDCCC010

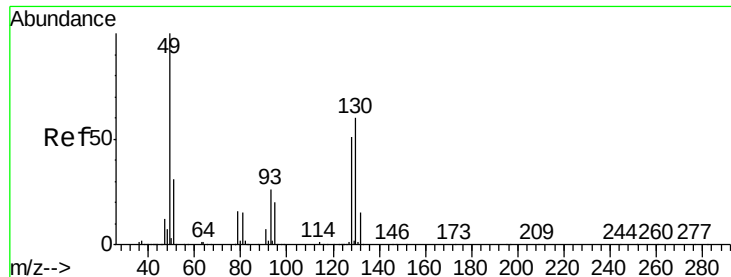
Manual Integrations
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Quant Time: Nov 07 13:46:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5630956	10.040	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1951975	12.111	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	2297523	12.477	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1481683	9.884	ppbv	98
48) Dibromochloromethane	10.47	129	2439159	9.762	ppbv	100
49) Bromoform	13.22	173	2042650	10.403	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	3532717	10.995	ppbv	99
51) 2-Hexanone	10.29	43	2518160	10.543	ppbv #	98
52) Tetrachloroethene	11.39	164	1176634	10.273	ppbv	94
53) Toluene	9.96	91	3923361	10.418	ppbv	99
54) 1,2-Dibromoethane	10.78	107	2099581	10.305	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.30	131	1756693	9.397	ppbv	100
57) Chlorobenzene	12.32	112	2935250	9.335	ppbv	92
58) Ethyl Benzene	12.88	91	5252595	10.575	ppbv	99
59) m/p-Xylene	13.16	91	8690869m	19.649	ppbv	
60) o-Xylene	13.87	91	4153776	9.736	ppbv	100
61) Styrene	13.70	104	3180047	11.117	ppbv	97
62) Isopropylbenzene	14.84	105	5838404	9.669	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2780886	8.319	ppbv	98
64) n-propylbenzene	15.74	120	1486940	9.909	ppbv	94
65) tert-Butylbenzene	16.93	119	5271949	10.252	ppbv	97
66) Benzyl Chloride	17.17	91	3105912	11.697	ppbv	99
67) sec-Butylbenzene	17.47	105	6912870	9.452	ppbv	99
69) p-Isopropyltoluene	17.83	119	5621547	9.699	ppbv	99
70) n-Butylbenzene	18.73	91	6107689	10.236	ppbv	99
71) 2-Chlorotoluene	15.63	91	4375574	10.196	ppbv	99
72) 4-Ethyltoluene	16.02	105	4712490	10.370	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4393026	9.925	ppbv	96
74) 1,2,4-Trimethylbenzene	16.94	105	4756178	10.062	ppbv	94
75) 1,3-Dichlorobenzene	17.18	146	2669107	9.820	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2633918	10.501	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2361266	9.170	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1545336	12.701	ppbv	100
79) Naphthalene	22.43	128	3712881	12.638	ppbv	100
80) Naphthalene, 2-methyl-	25.13	142	1368241	19.153	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1771133	11.641	ppbv	100

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



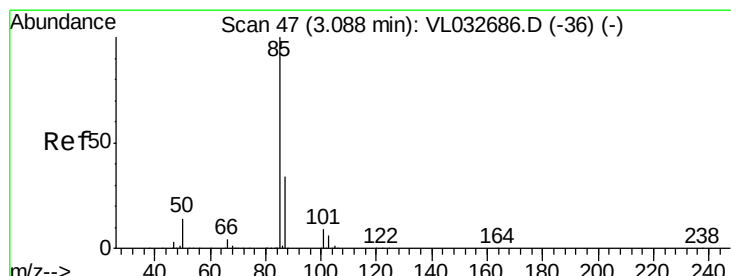
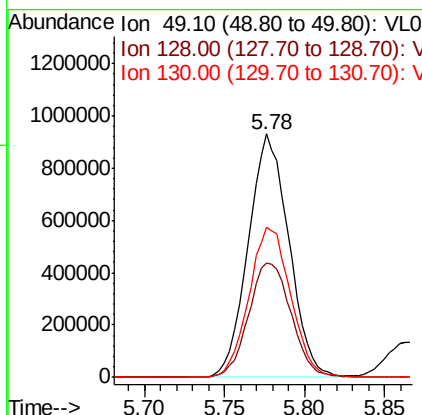
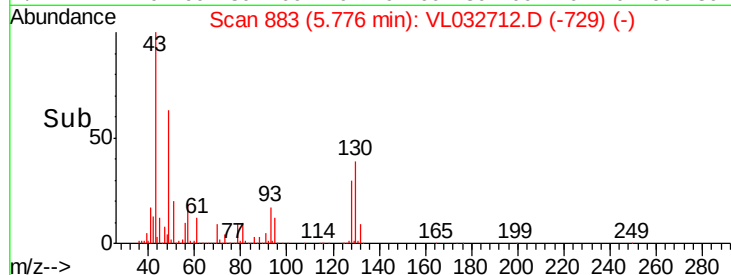
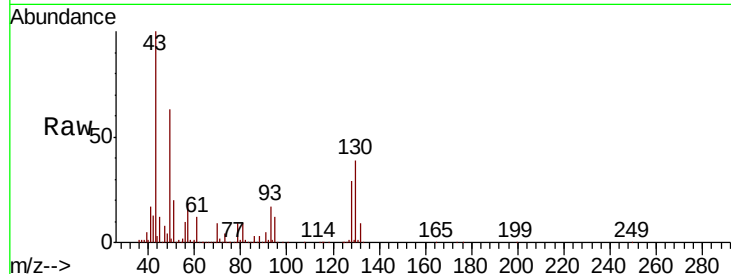
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.78 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	49	Resp:	1624542
Ion	Ratio	Lower	Upper
49	100		
128	49.4	22.3	66.8
130	63.6	28.4	85.3

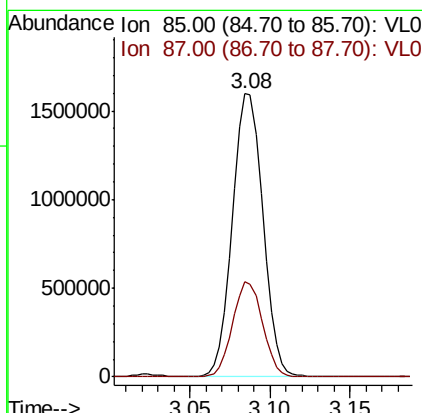
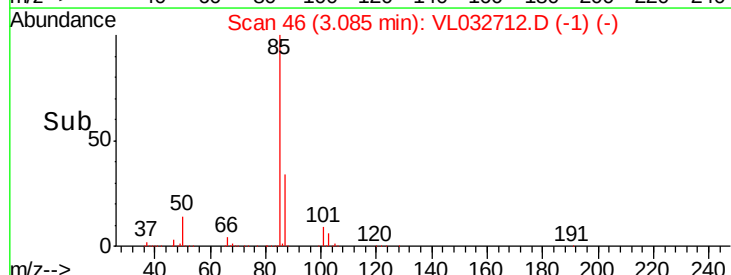
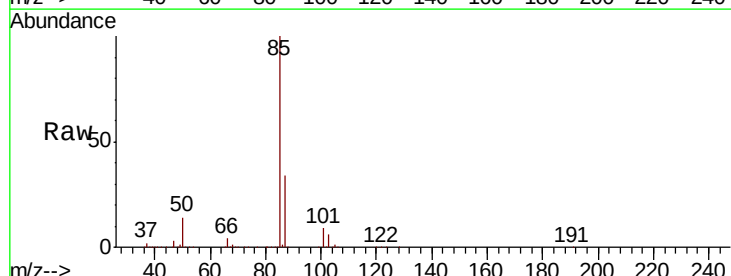
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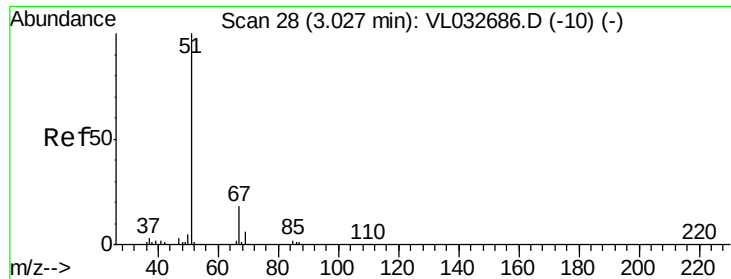
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#2
 Dichlorodifluoromethane
 Concen: 12.447 ppbv
 RT: 3.08 min Scan# 46
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion:	85	Resp:	2060265
Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.2	39.2





#3

Chlorodifluoromethane

Concen: 9.532 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tot Ion: 51 Resp: 1210963

Ion Ratio Lower Upper

51 100

67 18.9 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

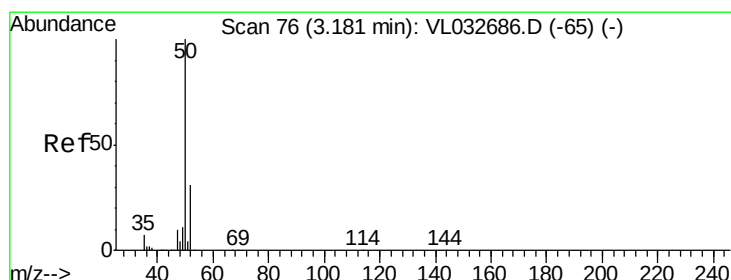
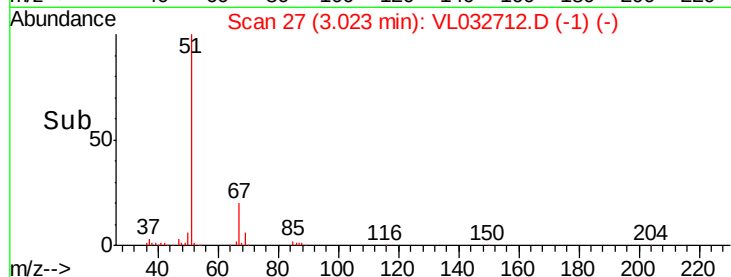
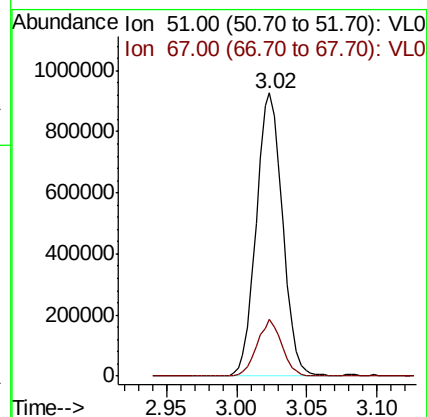
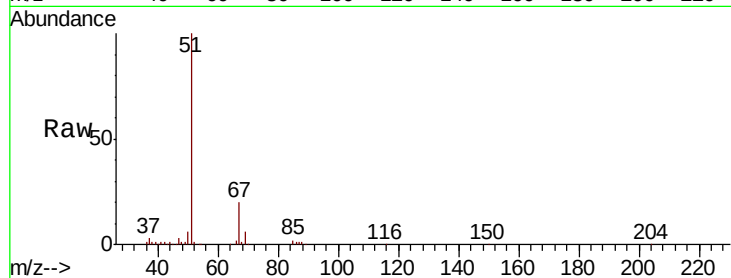
VSTDCCC010

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#4

Chloromethane

Concen: 9.705 ppbv

RT: 3.18 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL032712.D

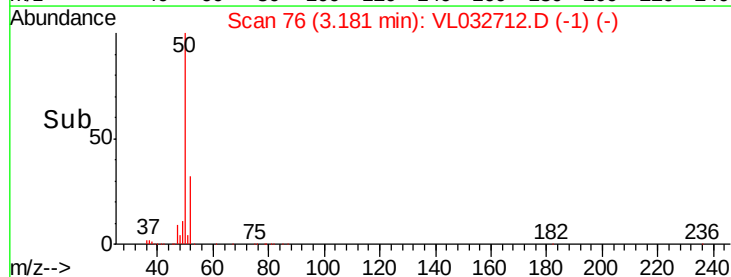
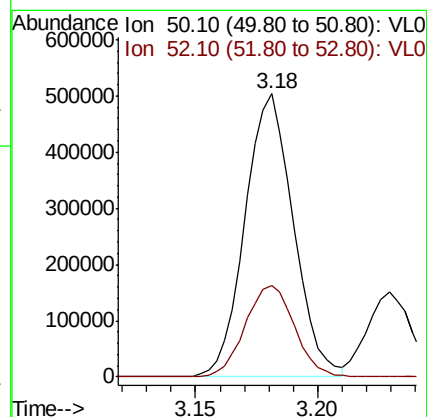
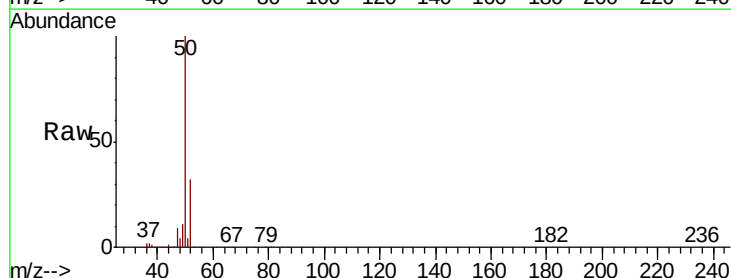
Acq: 7 Nov 2018 10:45

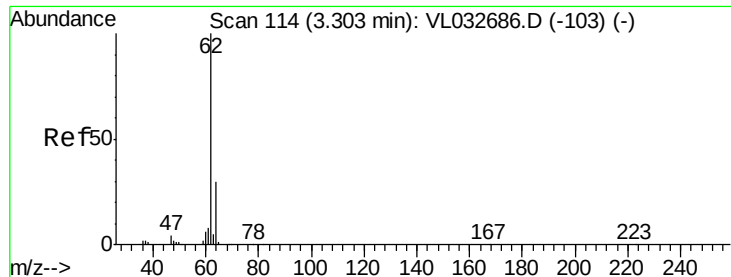
Tgt Ion: 50 Resp: 689060

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9





#5

Vinyl Chloride

Concen: 9.317 ppbv

RT: 3.30 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 716539

Ion Ratio Lower Upper

62 100

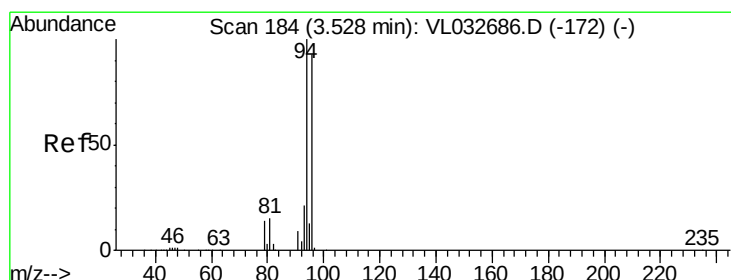
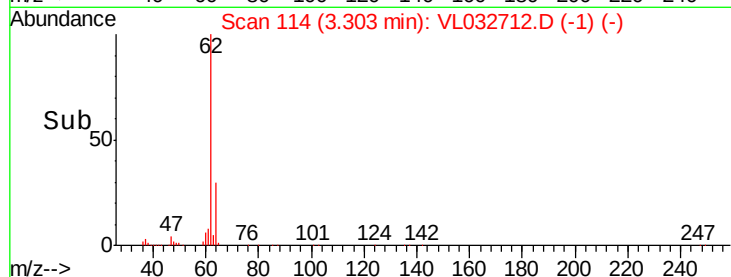
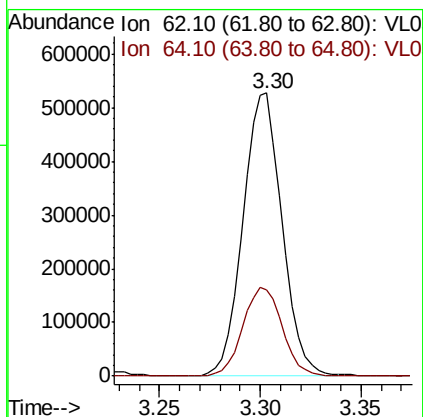
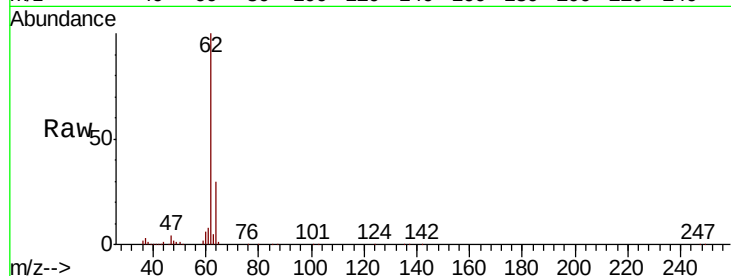
64 30.5 25.5 38.3

Manual Integrations

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#6

Bromomethane

Concen: 9.208 ppbv

RT: 3.53 min Scan# 183

Delta R.T. 0.00 min

Lab File: VL032712.D

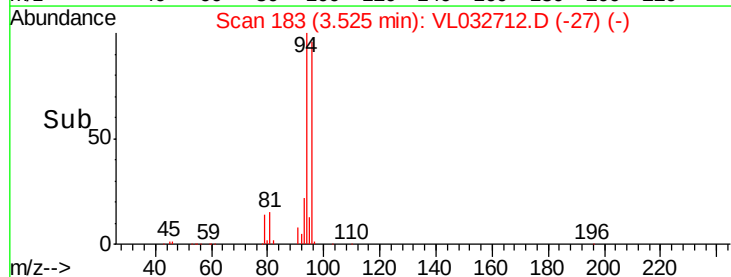
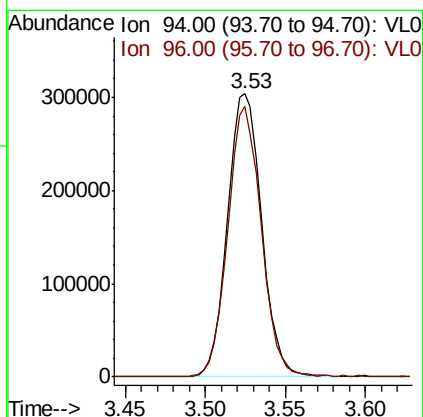
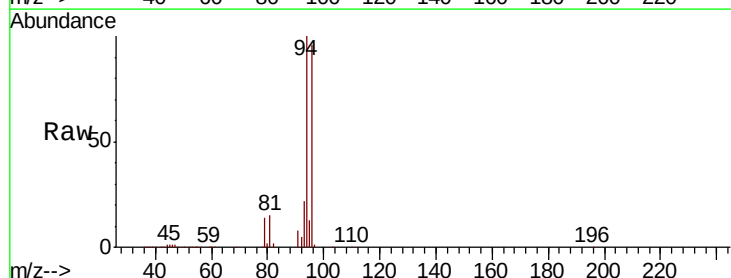
Acq: 7 Nov 2018 10:45

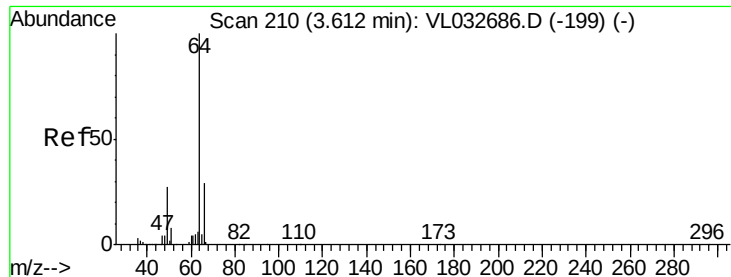
Tgt Ion: 94 Resp: 441535

Ion Ratio Lower Upper

94 100

96 95.6 69.8 104.8





#7

Chloroethane

Concen: 9.002 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 254911

Ion Ratio Lower Upper

64 100

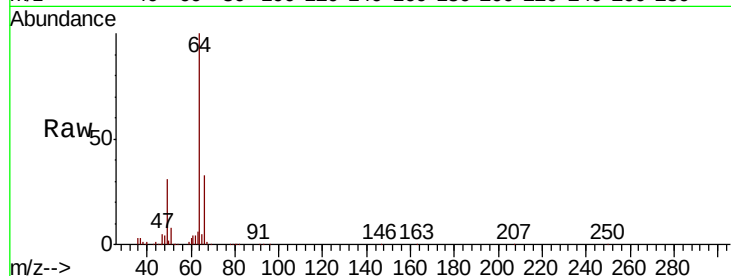
66 32.6 24.4 36.6

Manual Integrations

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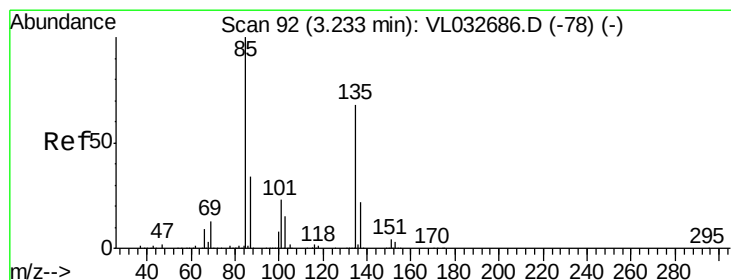
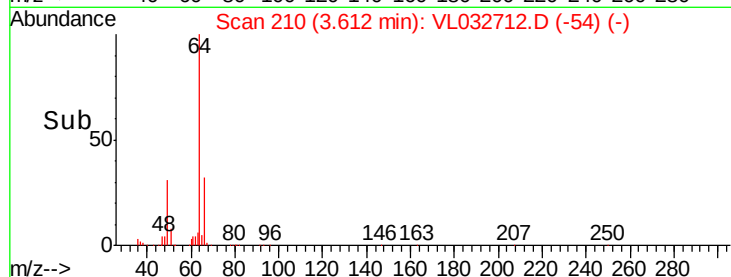
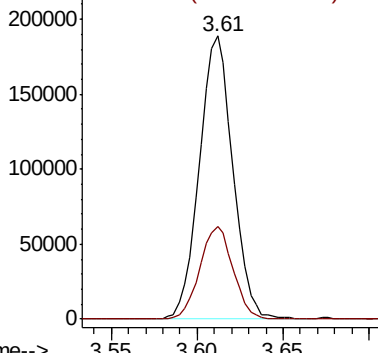
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.370 ppbv

RT: 3.23 min Scan# 91

Delta R.T. -0.00 min

Lab File: VL032712.D

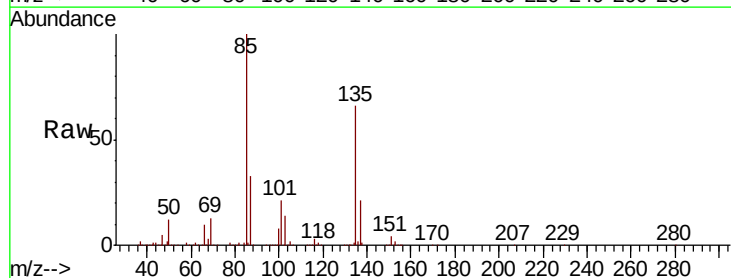
Acq: 7 Nov 2018 10:45

Tgt Ion: 85 Resp: 1634627

Ion Ratio Lower Upper

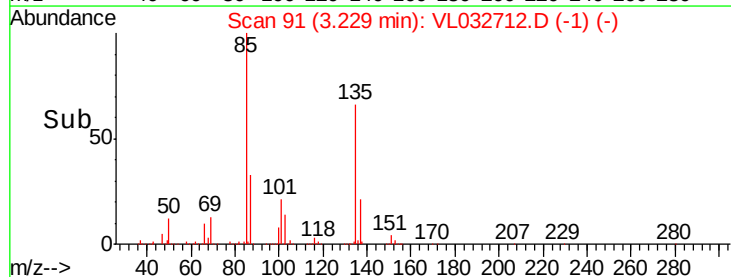
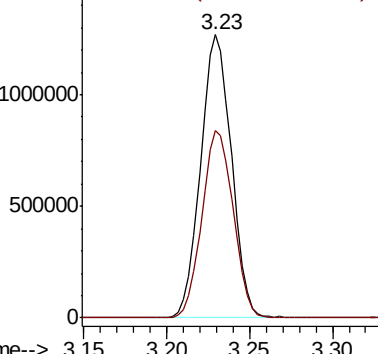
85 100

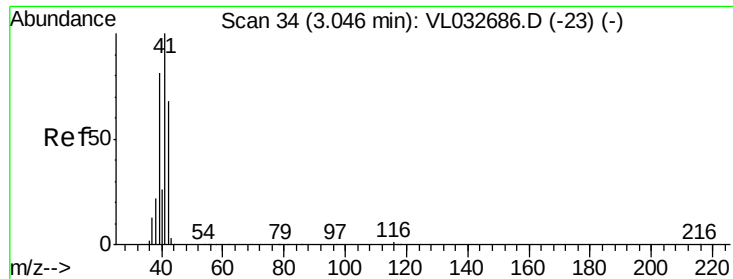
135 67.4 49.0 73.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





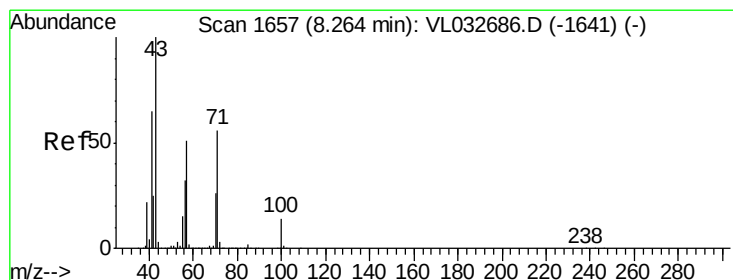
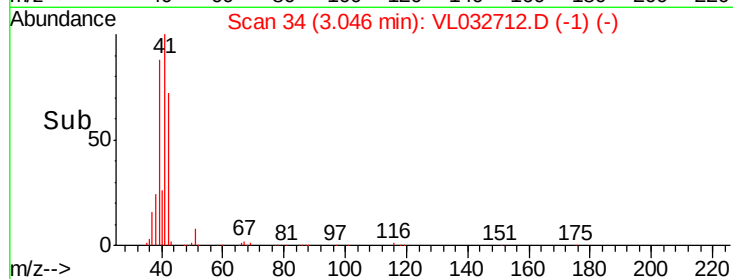
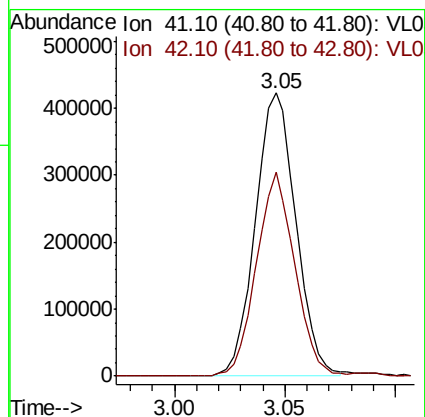
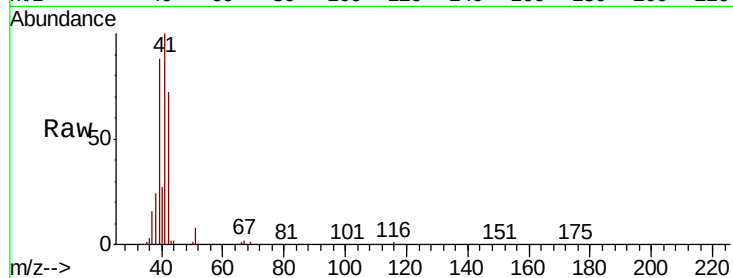
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 Propene
 Concen: 10.273 ppbv
 RT: 3.05 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 537107
 Ion Ratio Lower Upper
 41 100
 42 69.5 55.4 83.0

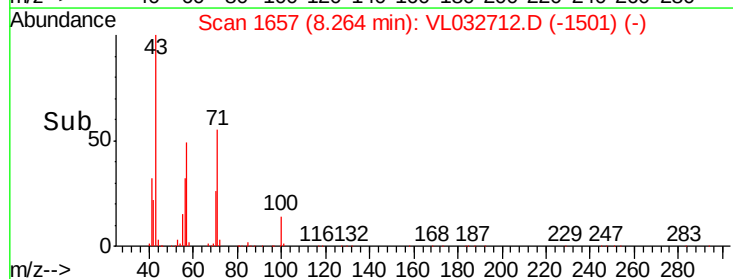
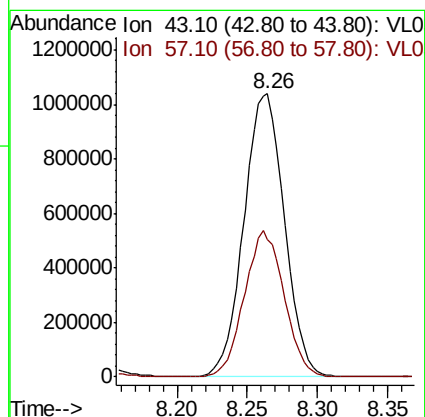
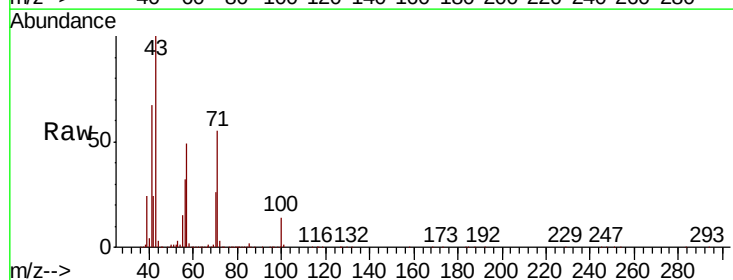
Manual Integrations
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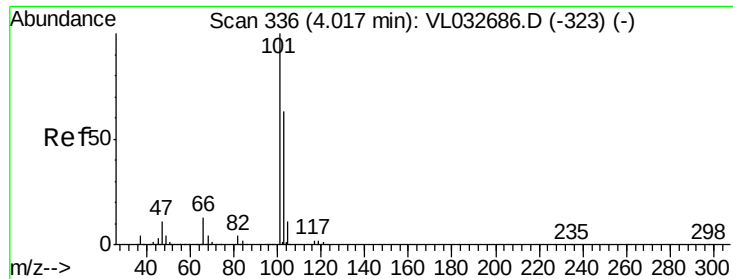
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#10
 Heptane
 Concen: 10.312 ppbv
 RT: 8.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion: 43 Resp: 2077707
 Ion Ratio Lower Upper
 43 100
 57 50.9 41.5 62.3





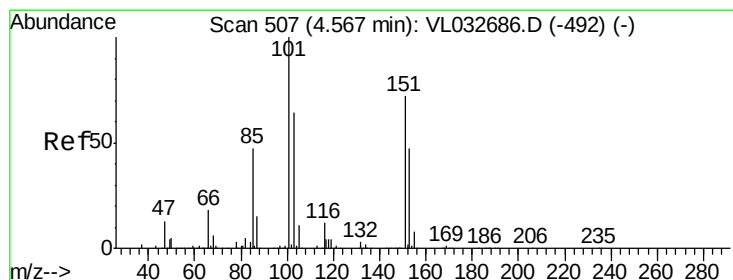
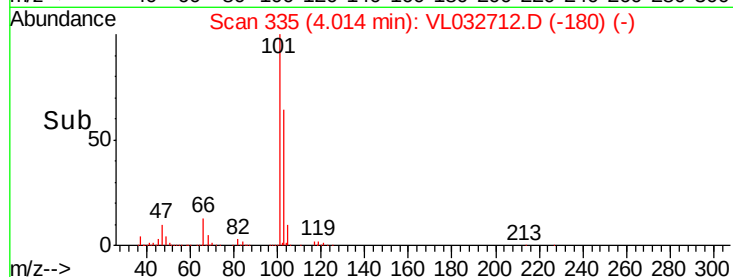
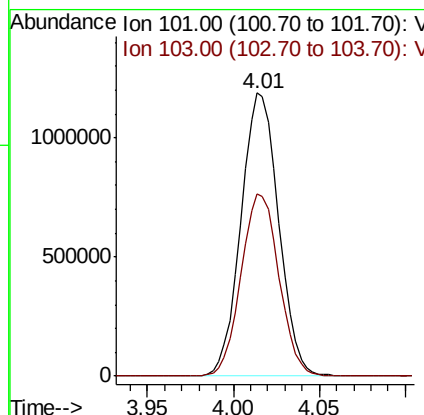
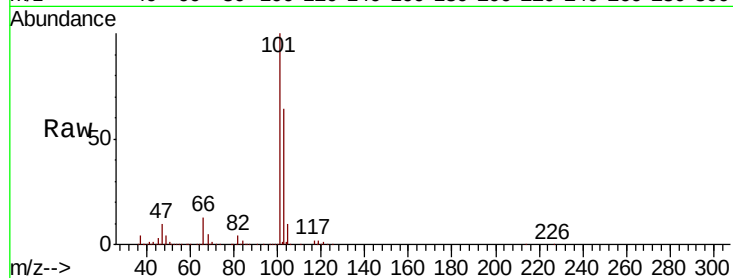
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 Trichlorofluoromethane
 Concen: 8.374 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1810480
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2

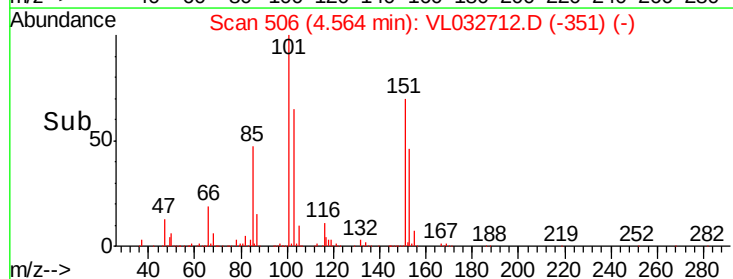
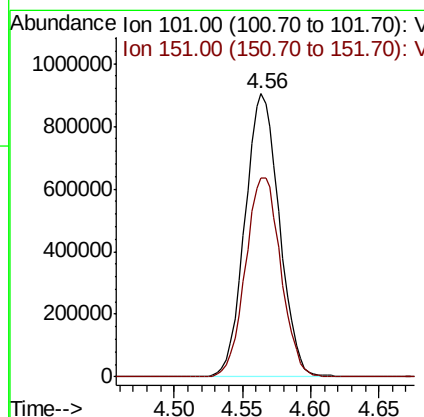
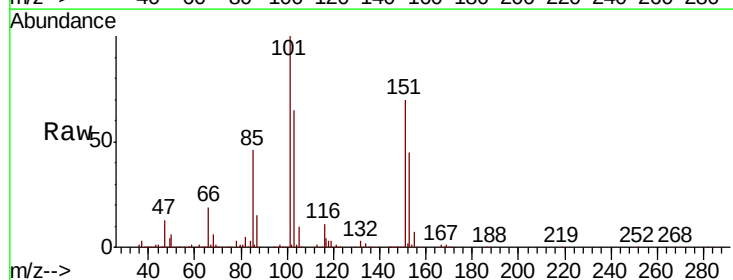
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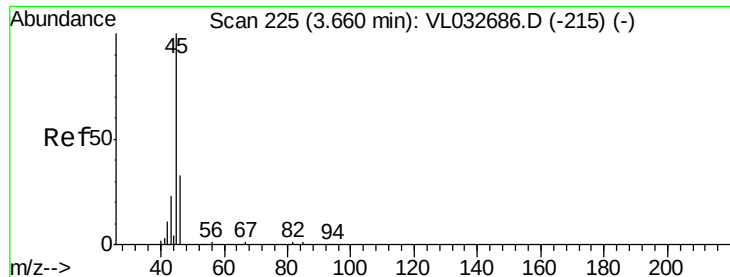
MMDadoda
 11/12/2018 12:29:59 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.781 ppbv
 RT: 4.56 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion:101 Resp: 1578706
 Ion Ratio Lower Upper
 101 100
 151 72.4 52.3 78.5





#13

Ethanol

Concen: 9.267 ppbv

RT: 3.66 min Scan# 225

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 138480

Ion Ratio Lower Upper

45 100

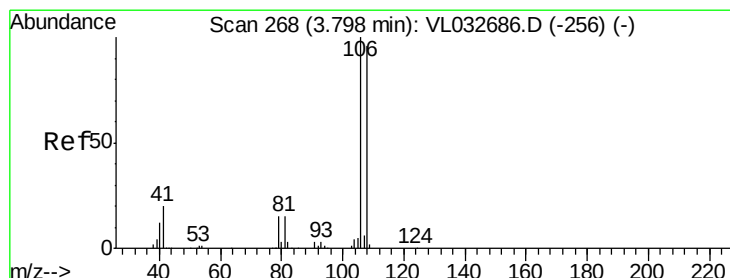
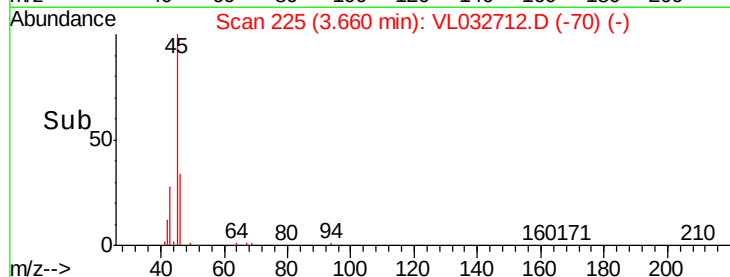
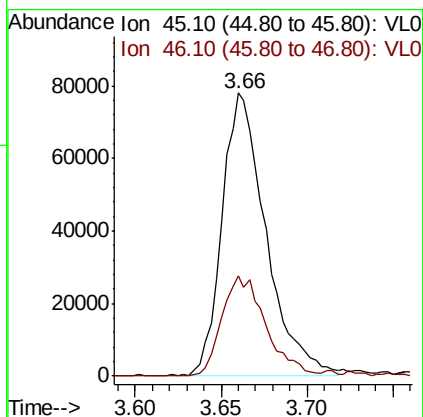
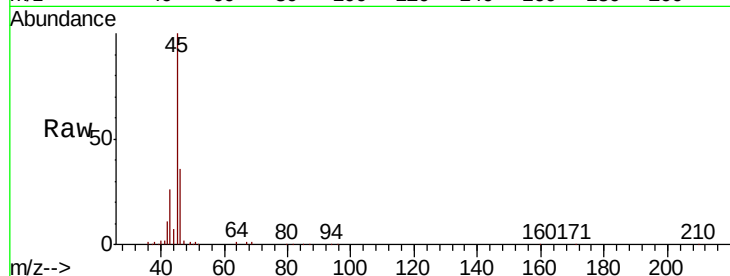
46 37.3 15.4 61.8

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#14

Bromoethene

Concen: 9.388 ppbv

RT: 3.80 min Scan# 268

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

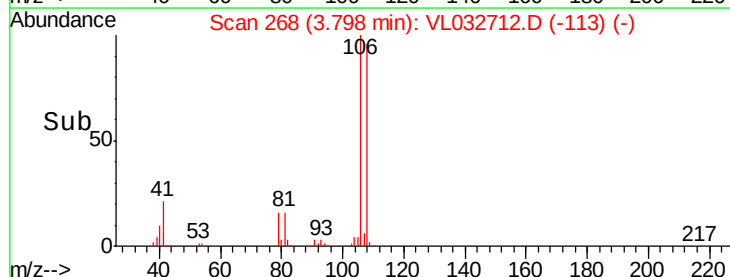
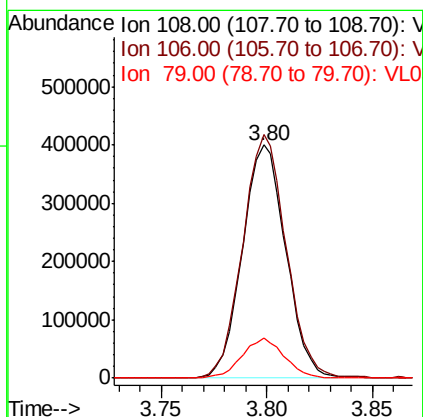
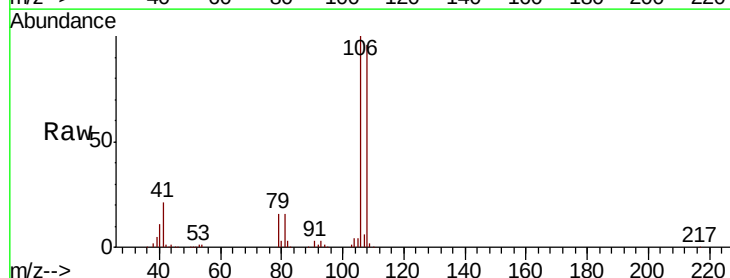
Tgt Ion: 108 Resp: 570462

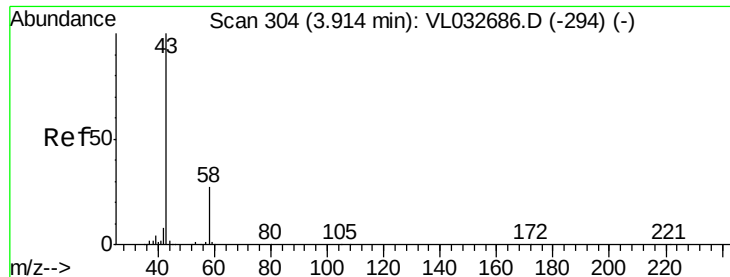
Ion Ratio Lower Upper

108 100

106 105.4 85.0 127.4

79 17.0 13.7 20.5





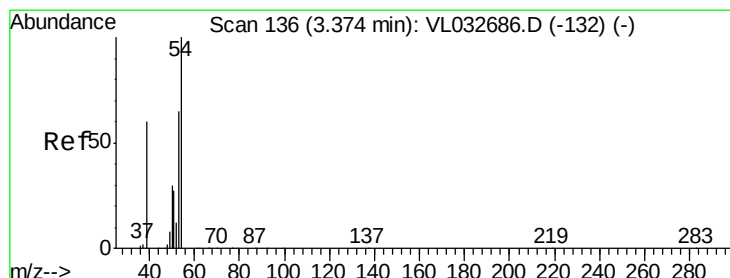
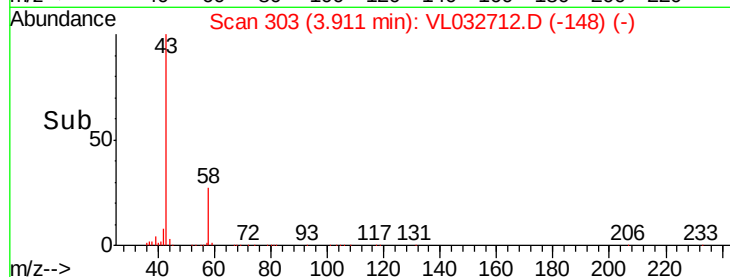
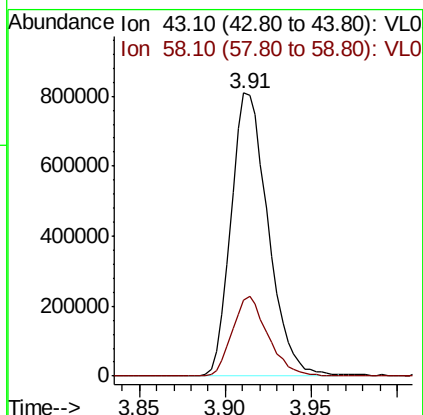
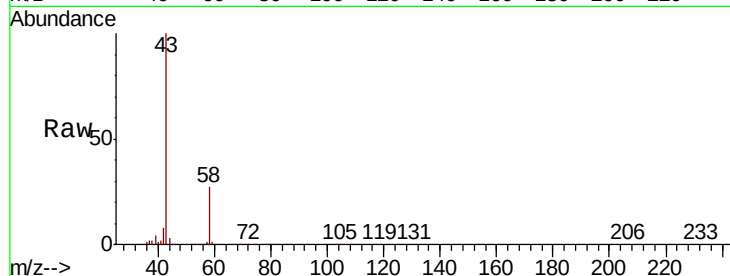
#15
Acetone
Concen: 8.066 ppbv
RT: 3.91 min Scan# 303
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1210057
Ion Ratio Lower Upper
43 100
58 27.2 22.1 33.1

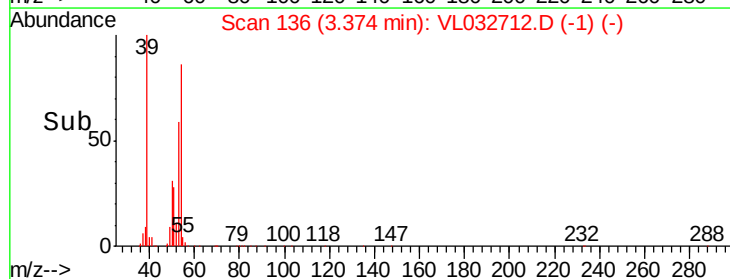
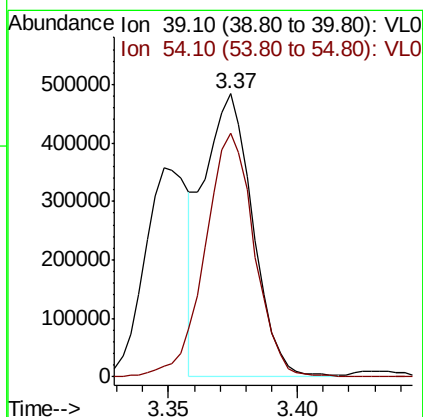
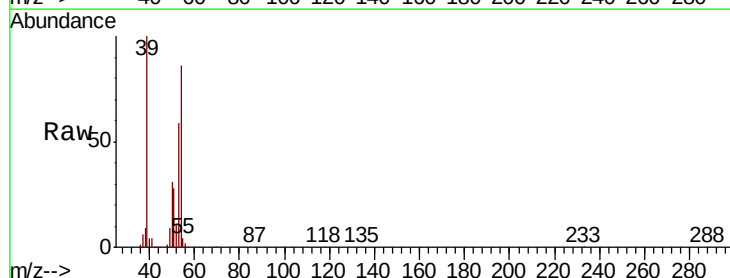
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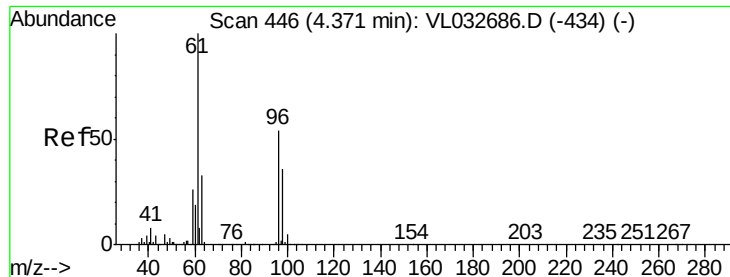
MMDadoda
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#16
1,3-Butadiene
Concen: 11.496 ppbv
RT: 3.37 min Scan# 136
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion: 39 Resp: 634412
Ion Ratio Lower Upper
39 100
54 87.5 90.4 135.6#





#17

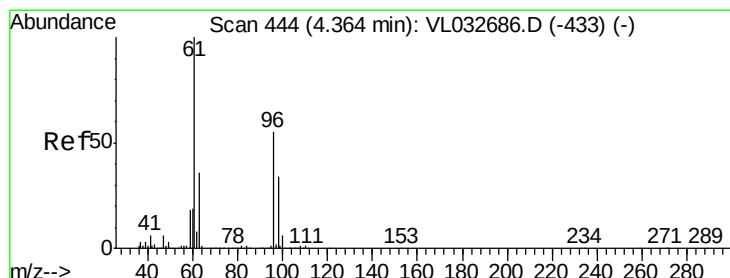
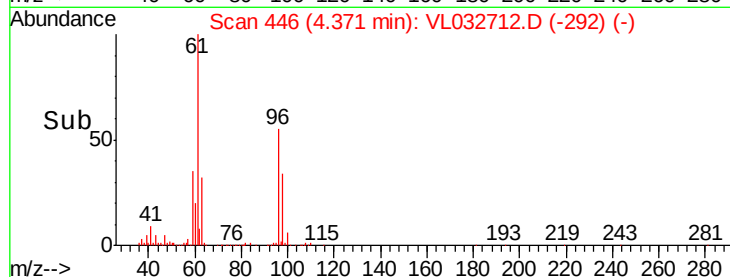
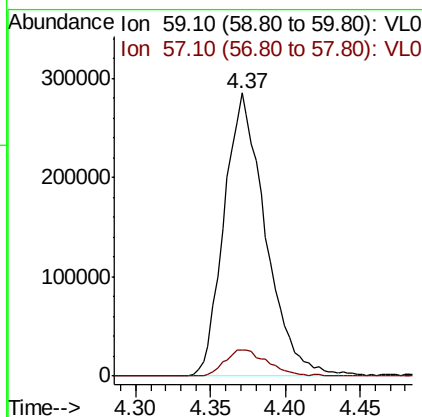
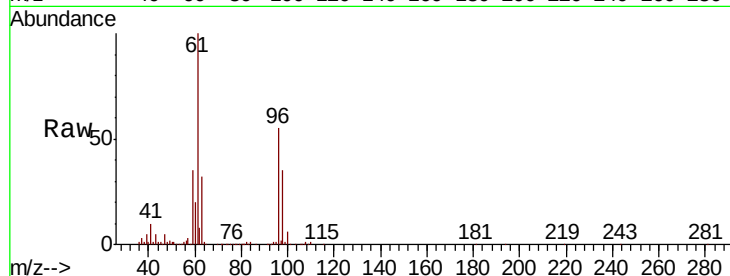
tert-Butyl alcohol
Concen: 12.445 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	0.0	0.0#

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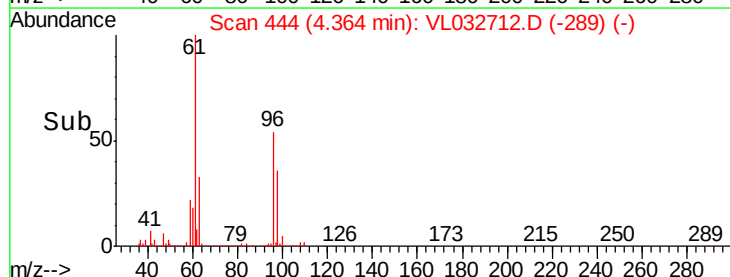
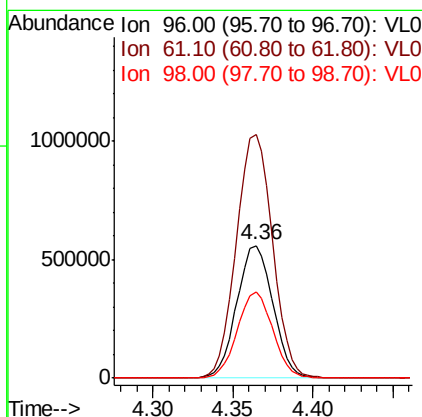
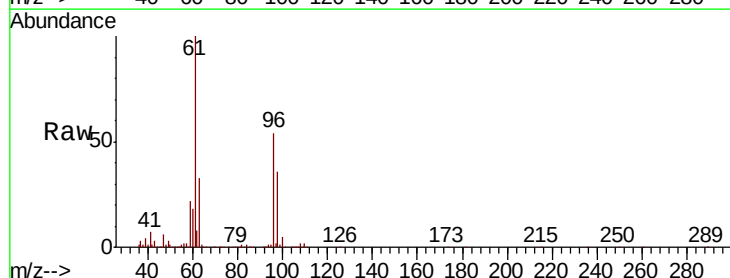
MMDadoda
11/12/2018 12:29:59 PM

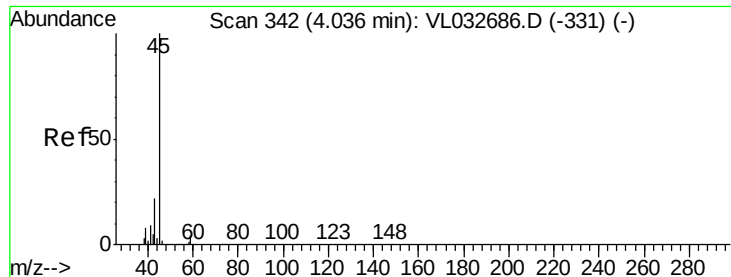


#18

1,1-Dichloroethene
Concen: 10.895 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.9	151.6	227.4
98	65.4	50.6	75.8





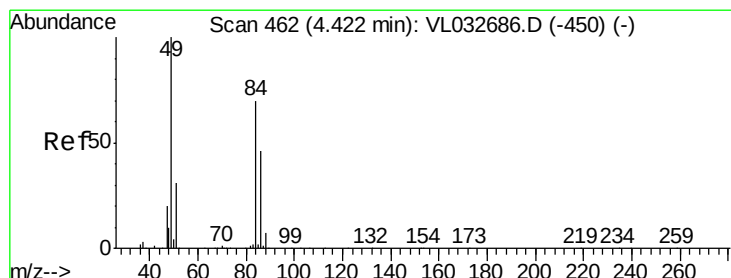
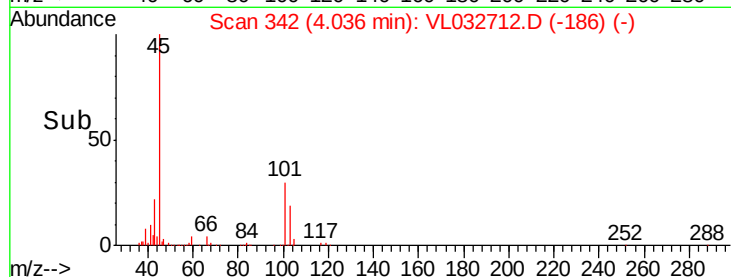
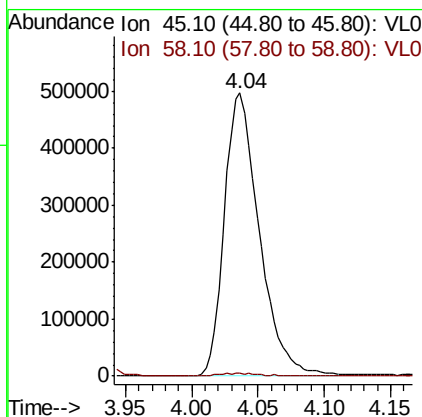
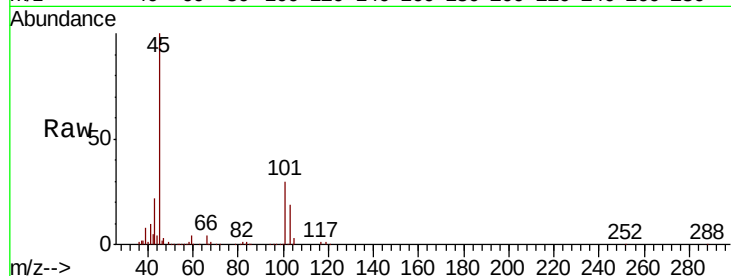
#19
Isopropyl Alcohol
Concen: 8.514 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 909579
Ion Ratio Lower Upper
45 100
58 1.4 2.0 3.0#

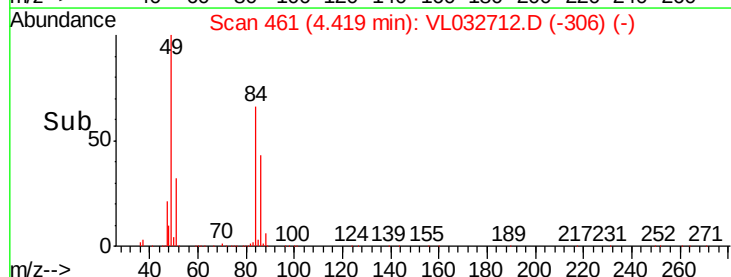
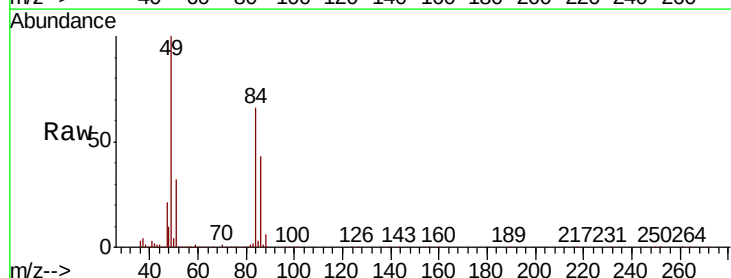
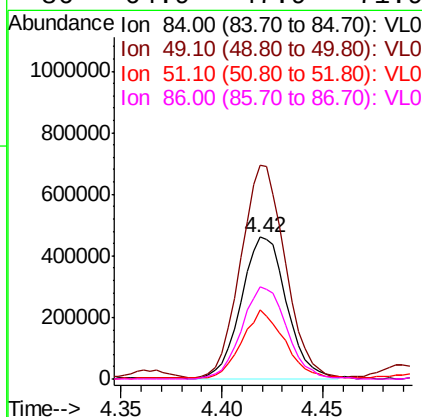
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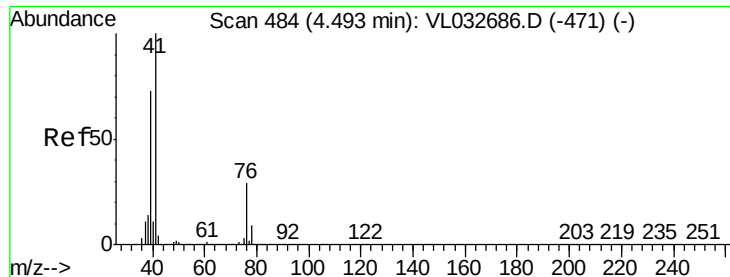
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#20
Methylene Chloride
Concen: 9.494 ppbv
RT: 4.42 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion: 84 Resp: 722962
Ion Ratio Lower Upper
84 100
49 150.1 113.5 170.3
51 48.0 34.8 52.2
86 64.9 47.9 71.9





#21

Allvl Chloride

Concen: 11.402 ppbv

RT: 4.49 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

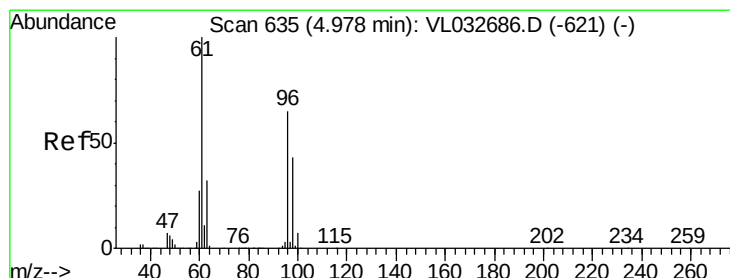
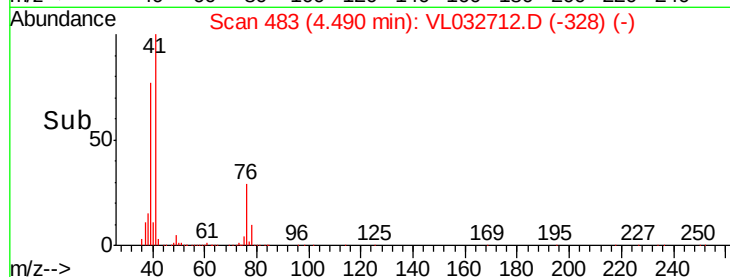
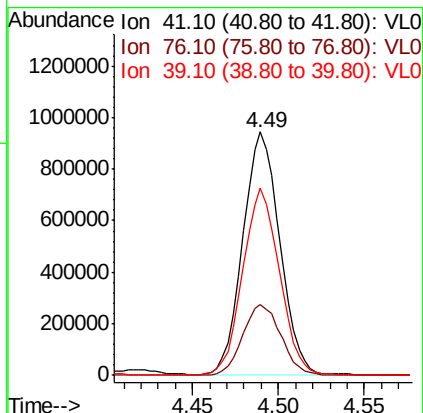
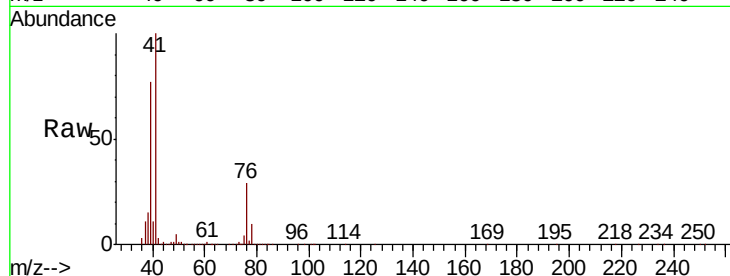
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	1404332
Ion	Ratio	Lower	Upper
41	100		
76	30.1	24.3	36.5
39	76.6	60.3	90.5

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 10.238 ppbv

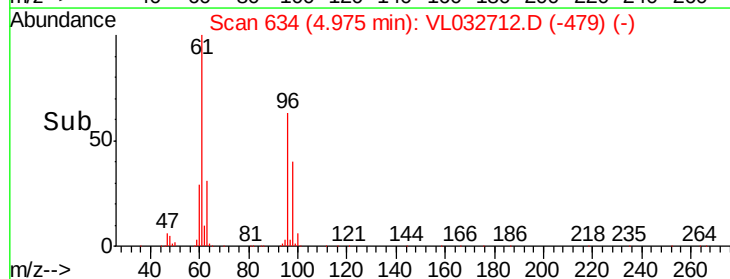
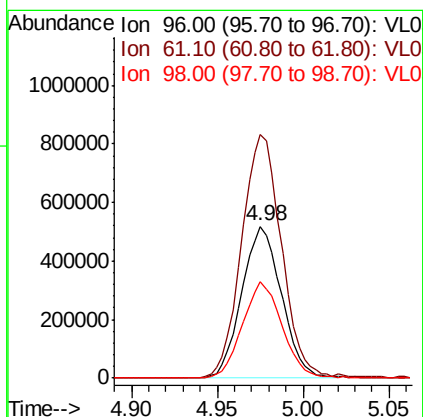
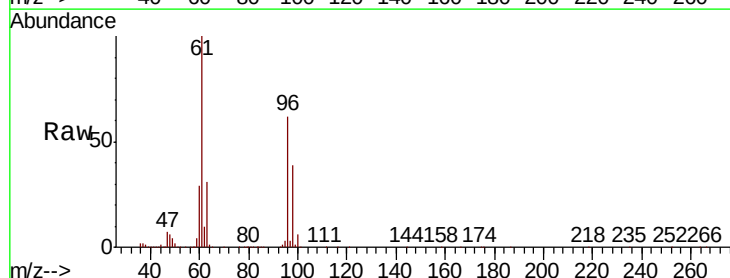
RT: 4.98 min Scan# 634

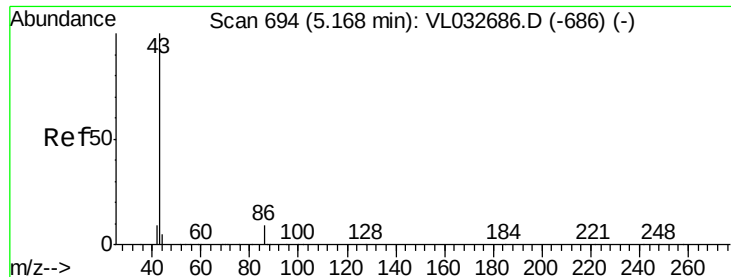
Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion:	96	Resp:	829466
Ion	Ratio	Lower	Upper
96	100		
61	160.5	140.4	210.6
98	63.3	55.0	82.6





#23

Vinyl Acetate

Concen: 10.849 ppbv

RT: 5.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2883839

Ion Ratio Lower Upper

43 100

86 8.6 6.1 9.1

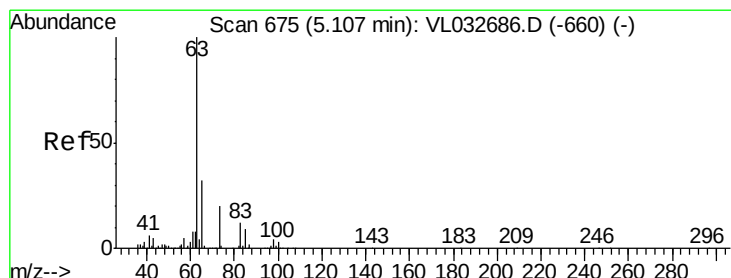
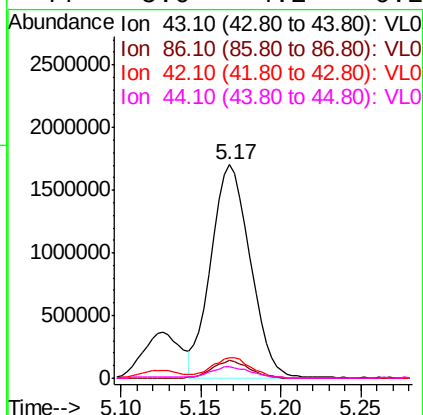
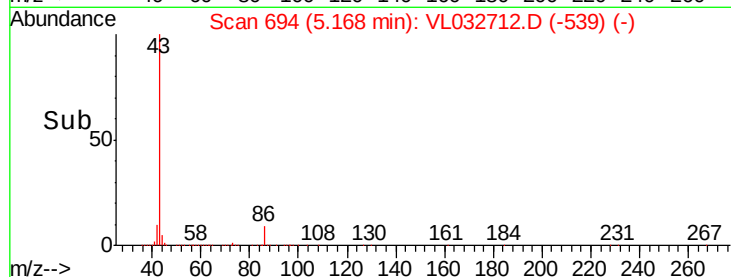
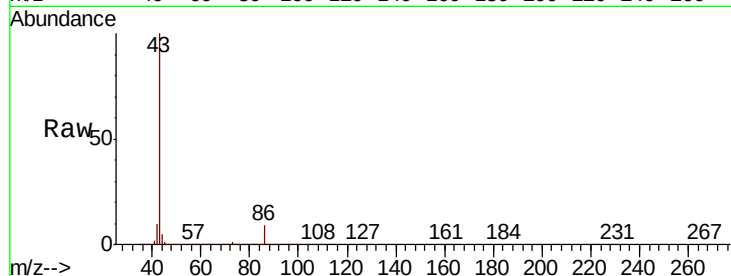
42 9.8 7.4 11.2

44 5.0 4.2 6.2

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#24

1,1-Dichloroethane

Concen: 9.942 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

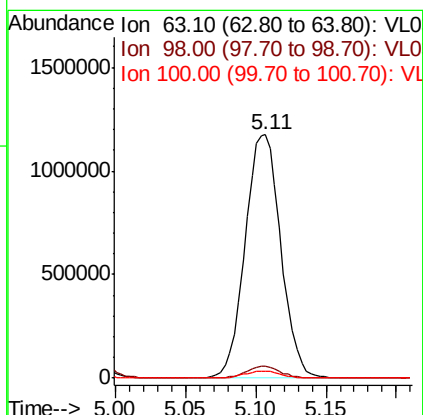
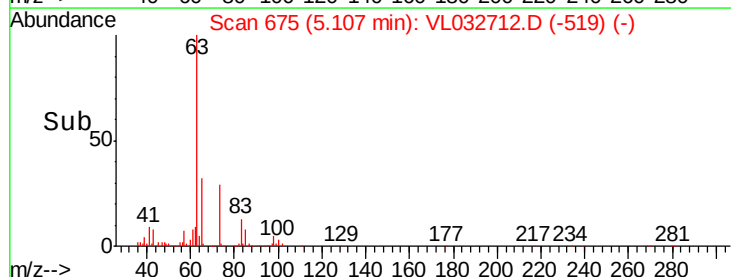
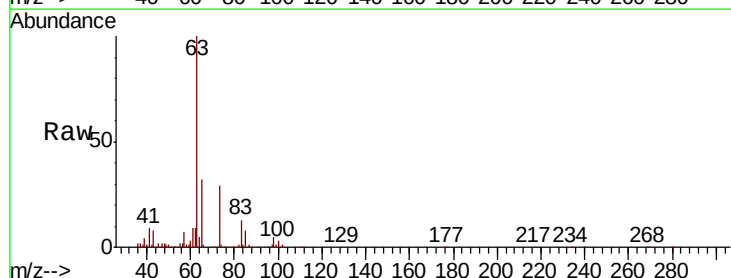
Tgt Ion: 63 Resp: 2074549

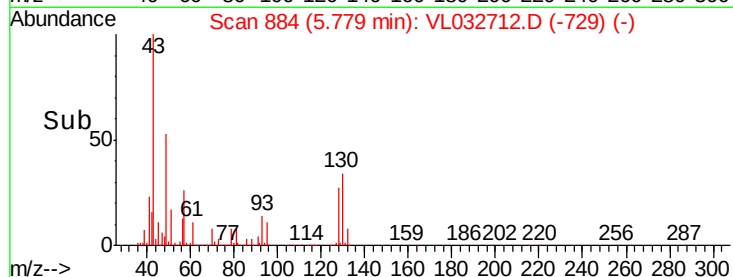
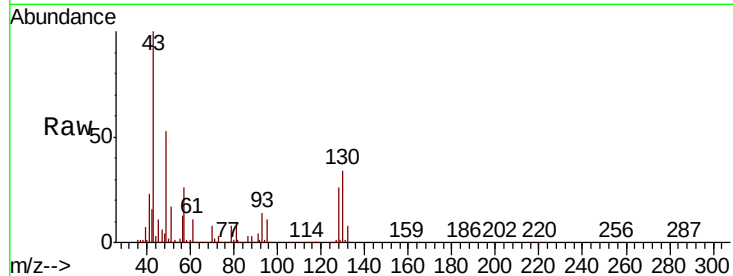
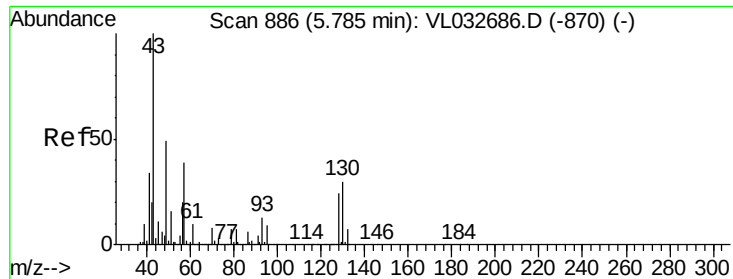
Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.3

100 2.8 1.2 3.6





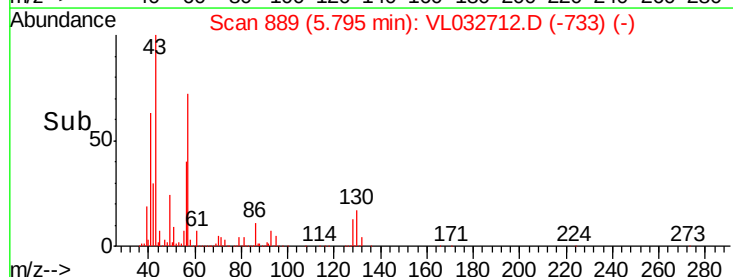
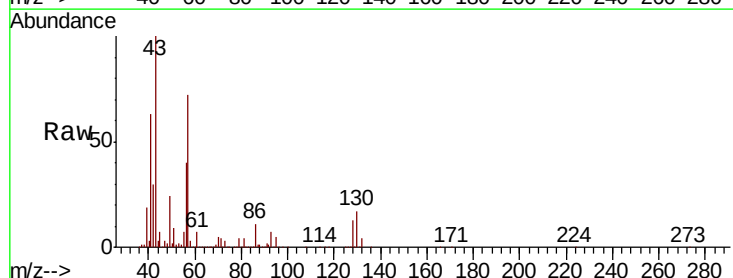
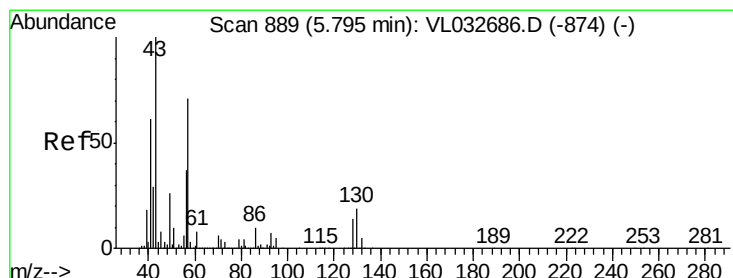
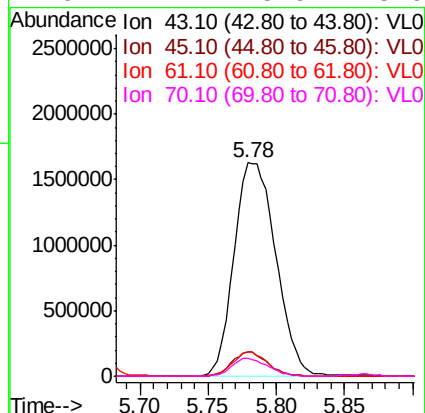
#25
Ethyl Acetate
Concen: 10.035 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
45	45	9.8	8.0	12.0
61	61	9.7	8.0	12.0
70	70	7.2	5.9	8.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

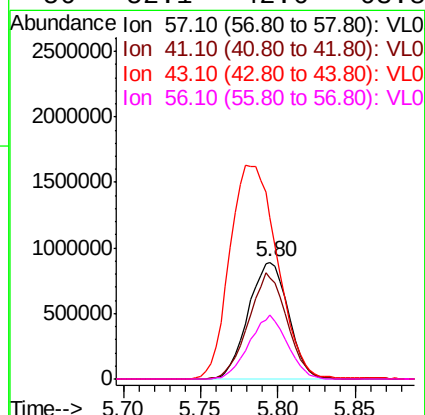
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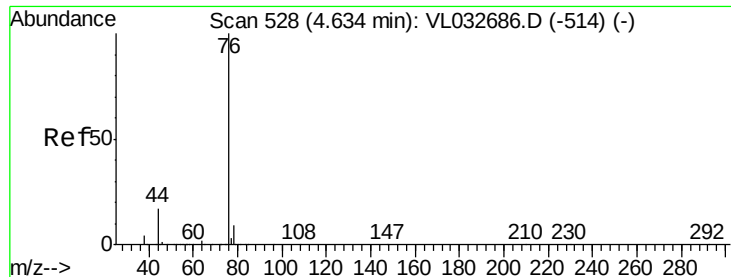
MMDadoda
11/12/2018 12:29:59 PM



#26
Hexane
Concen: 9.838 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion	Ion	Ratio	Lower	Upper
57	57	100		
41	41	86.9	67.4	101.0
43	43	217.0	171.9	257.9
56	56	52.1	42.6	63.8





#27

Carbon Disulfide

Concen: 10.718 ppbv

RT: 4.63 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL032712.D

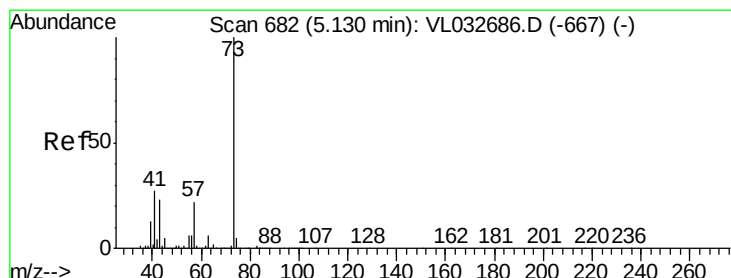
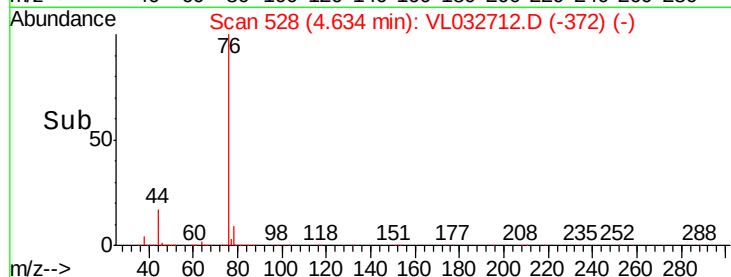
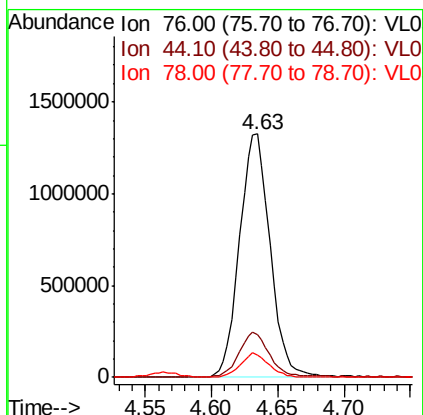
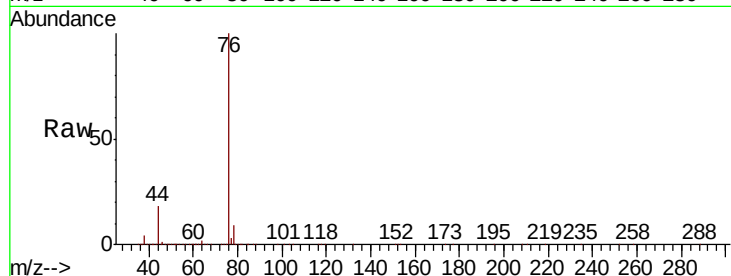
Acq: 7 Nov 2018 10:45

Tot Ion:	76	Resp:	2124181
Ion	Ratio	Lower	Upper
76	100		
44	18.2	13.7	20.5
78	9.2	7.4	11.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 11.099 ppbv

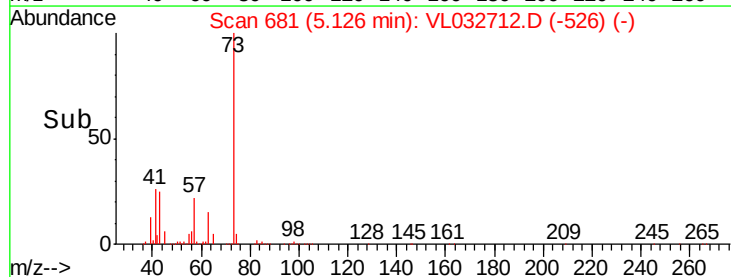
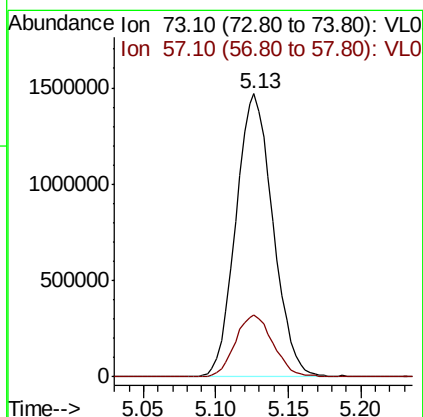
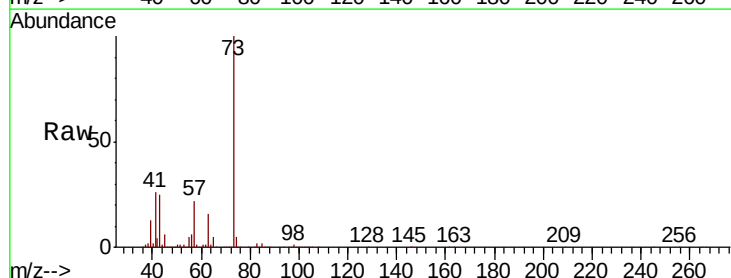
RT: 5.13 min Scan# 681

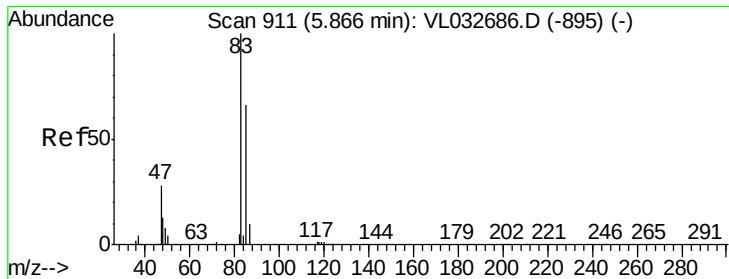
Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion:	73	Resp:	2606152
Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.0	27.0





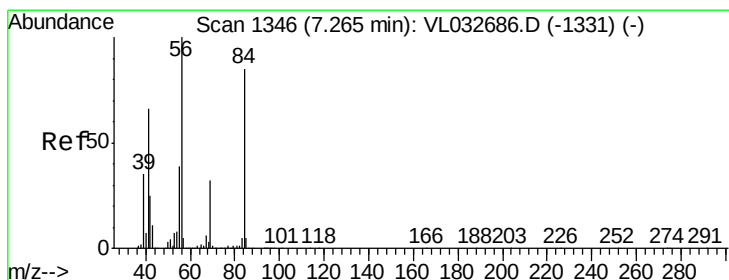
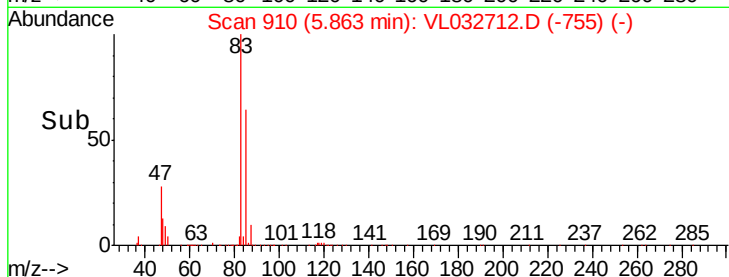
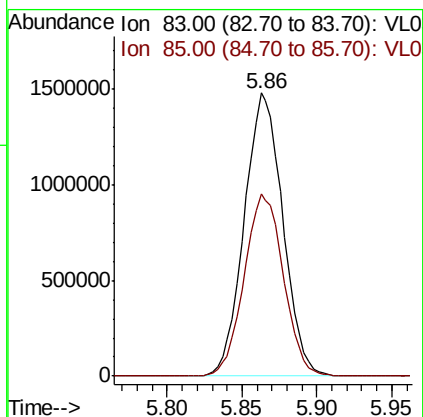
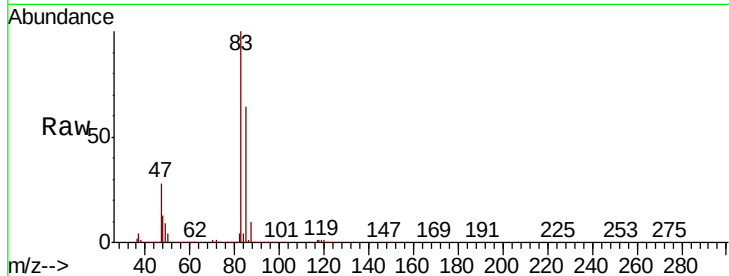
#29
Chloroform
Concen: 10.159 ppbv
RT: 5.86 min Scan# 910
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2651313
Ion Ratio Lower Upper
83 100
85 64.4 53.0 79.6

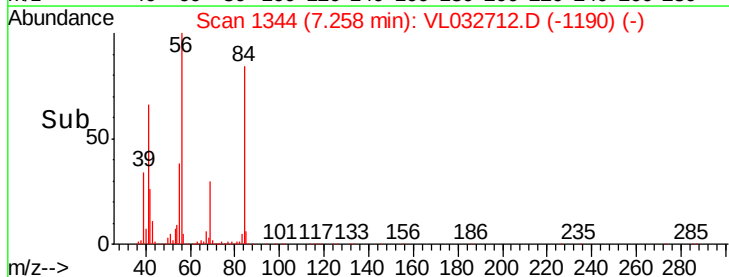
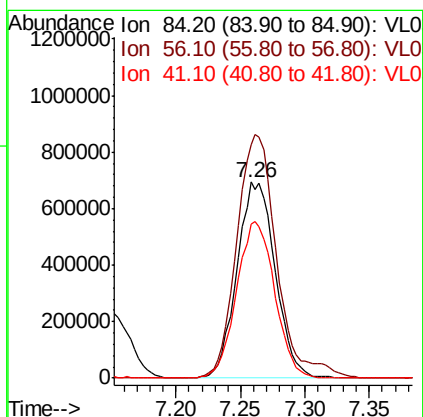
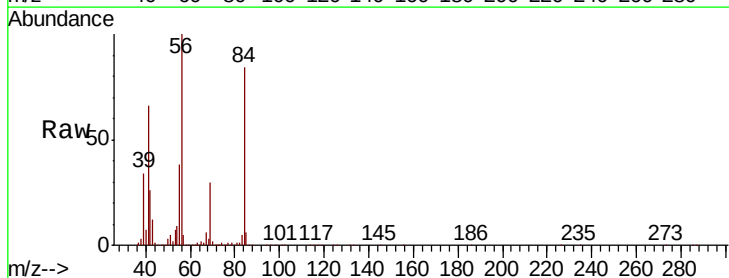
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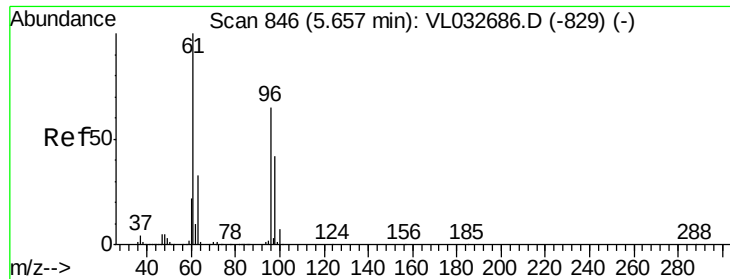
MMDadoda
11/12/2018 12:29:59 PM



#30
Cyclohexane
Concen: 11.082 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion: 84 Resp: 1433200
Ion Ratio Lower Upper
84 100
56 130.1 108.3 162.5
41 79.7 64.8 97.2





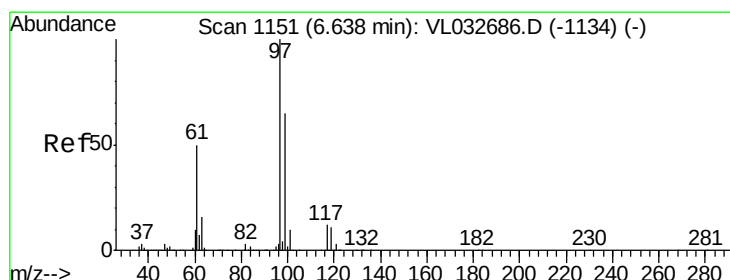
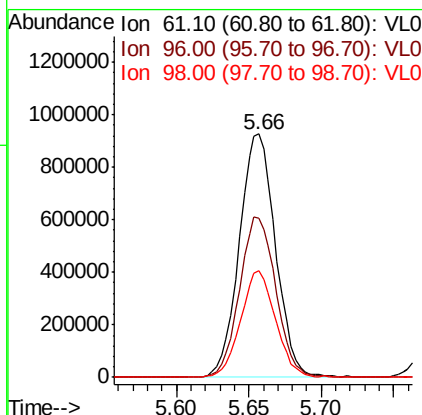
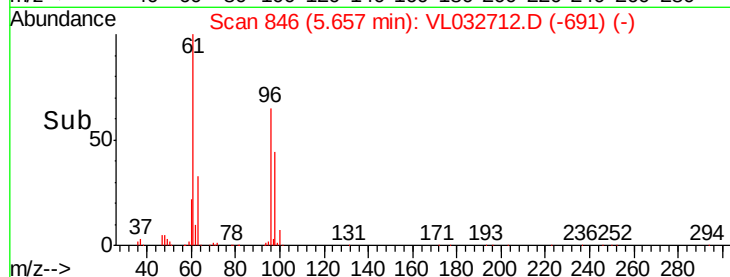
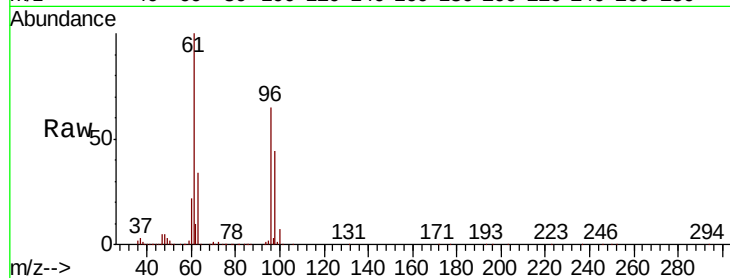
#31
 cis-1,2-Dichloroethene
 Concen: 10.600 ppbv
 RT: 5.66 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.2	51.8	77.6
98	43.6	33.8	50.6

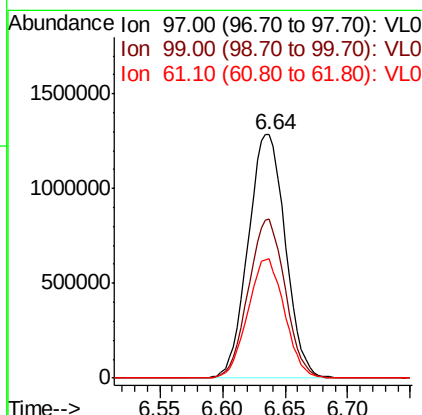
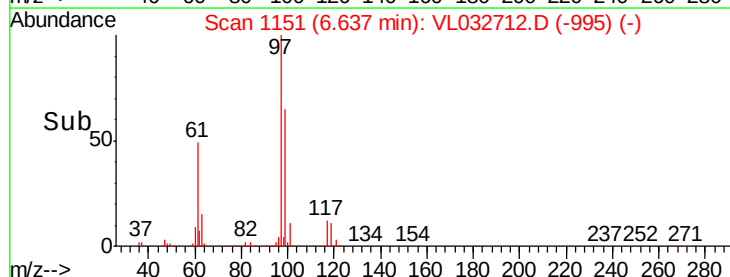
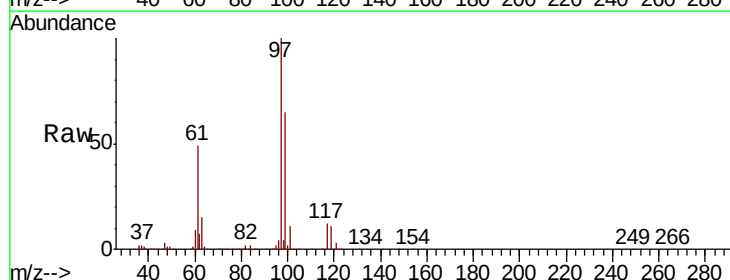
Manual Integrations
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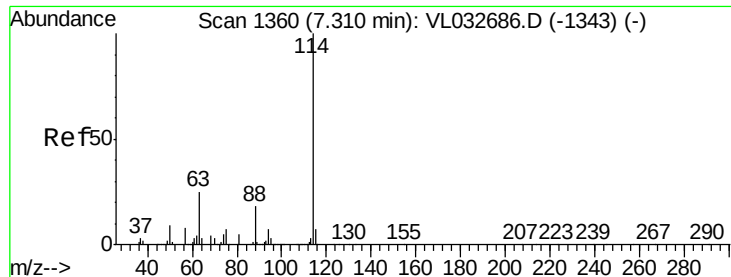
MMDadoda
 11/12/2018 12:29:59 PM



#32
 1,1,1-Trichloroethane
 Concen: 10.013 ppbv
 RT: 6.64 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.0	78.0
61	48.6	40.7	61.1





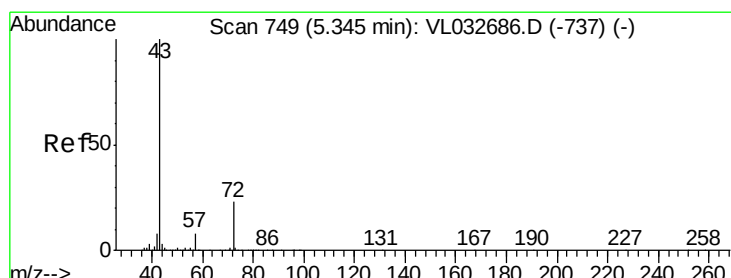
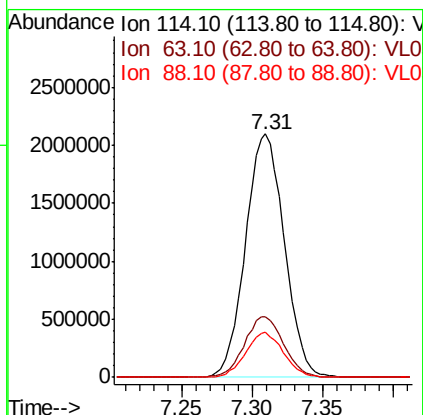
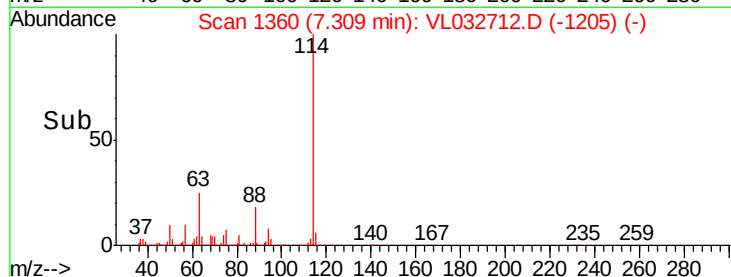
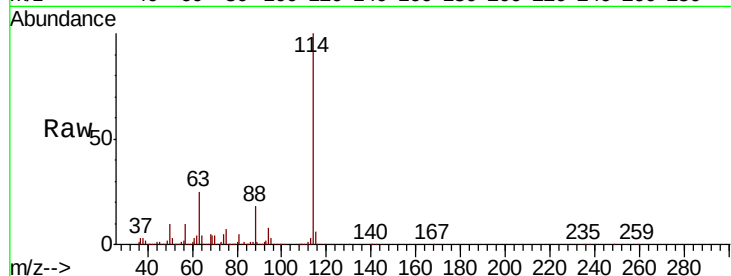
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4045735
 Ion Ratio Lower Upper
 114 100
 63 25.4 21.7 32.5
 88 17.9 14.9 22.3

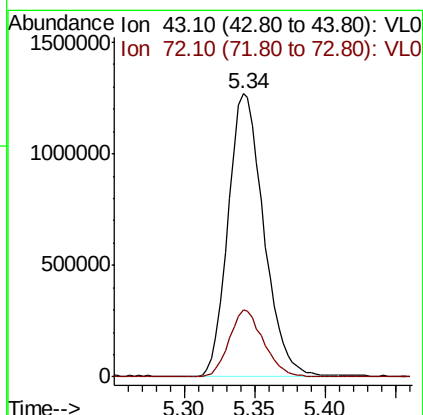
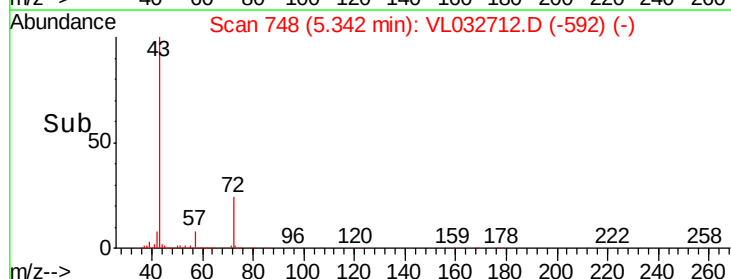
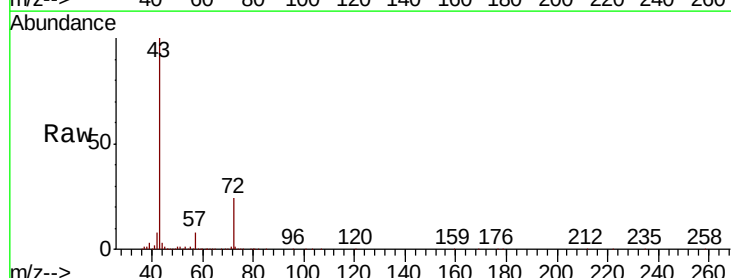
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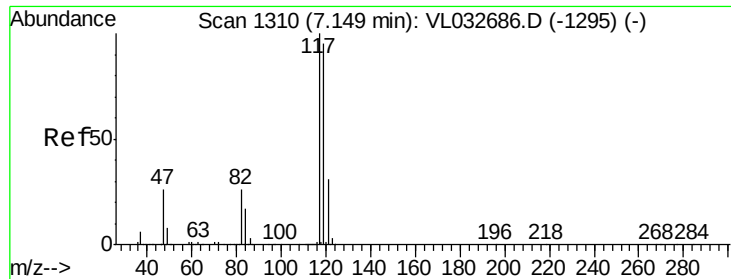
MMDadoda
 11/12/2018 12:29:59 PM



#34
 2-Butanone
 Concen: 10.350 ppbv
 RT: 5.34 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion: 43 Resp: 2244808
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.6 27.8





#35

Carbon Tetrachloride

Concen: 9.887 ppbv

RT: 7.15 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2838967

Ion Ratio Lower Upper

117 100

119 95.4 75.7 113.5

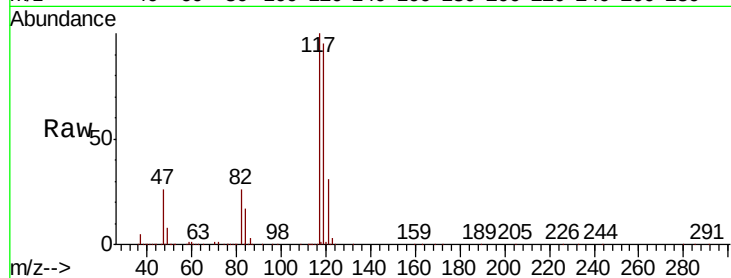
121 31.2 24.7 37.1

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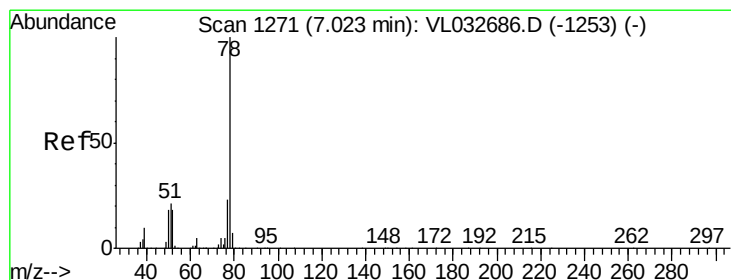
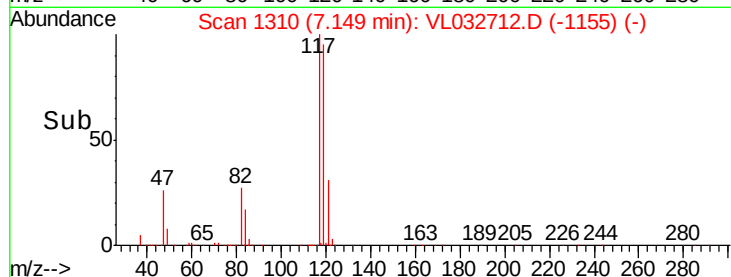
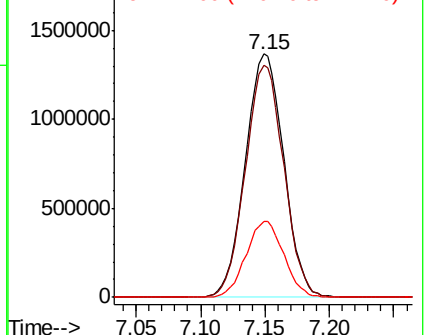


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.329 ppbv

RT: 7.02 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

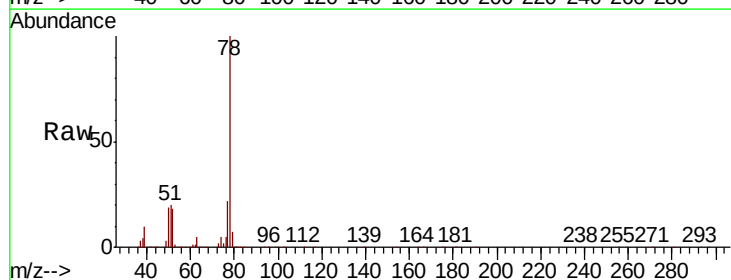
Tgt Ion: 78 Resp: 3393288

Ion Ratio Lower Upper

78 100

77 22.4 18.1 27.1

50 18.7 15.1 22.7

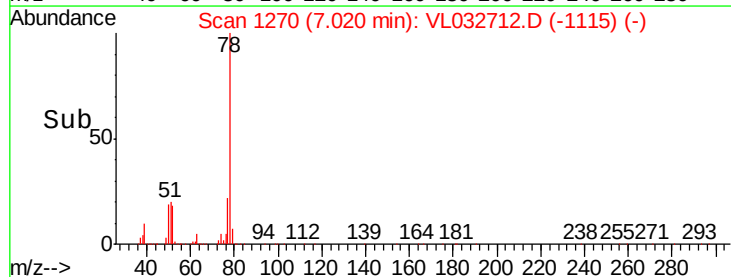
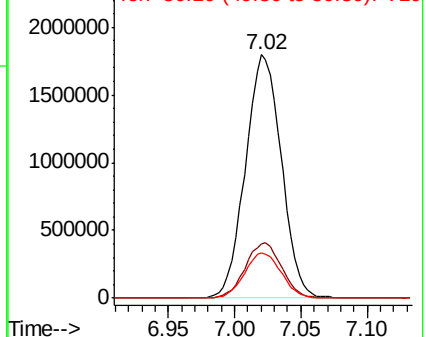


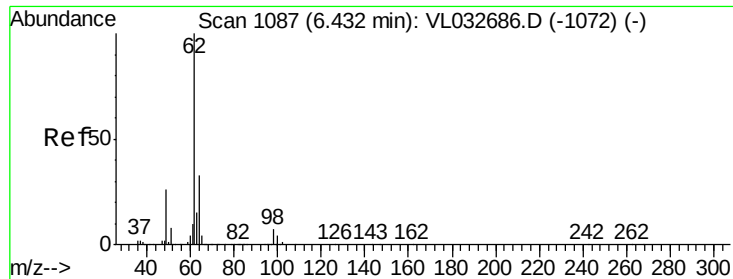
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.043 ppbv

RT: 6.43 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 2023724

Ion Ratio Lower Upper

62 100

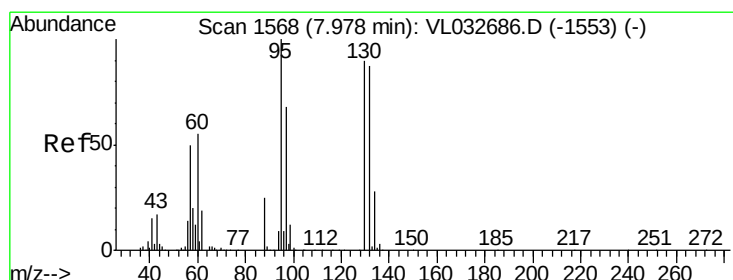
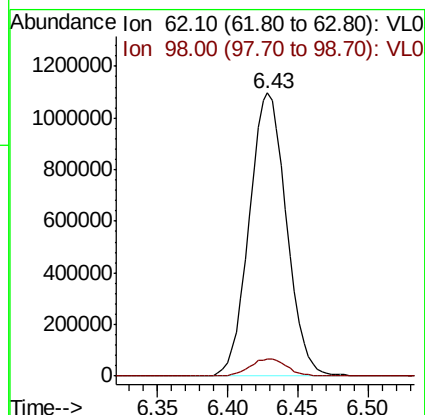
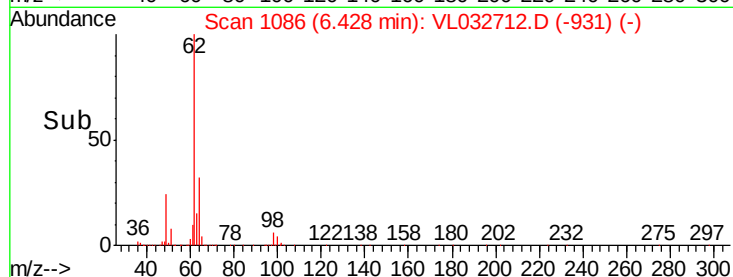
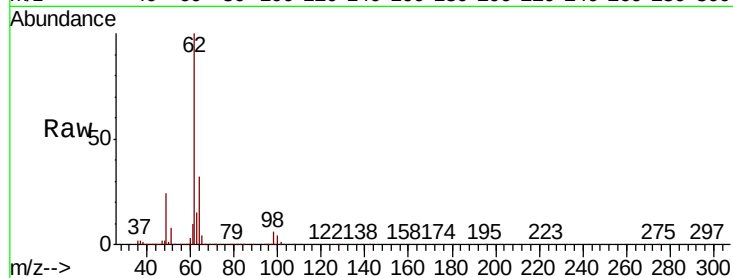
98 6.2 4.4 6.6

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#38

Trichloroethene

Concen: 10.826 ppbv

RT: 7.98 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion:130 Resp: 1316589

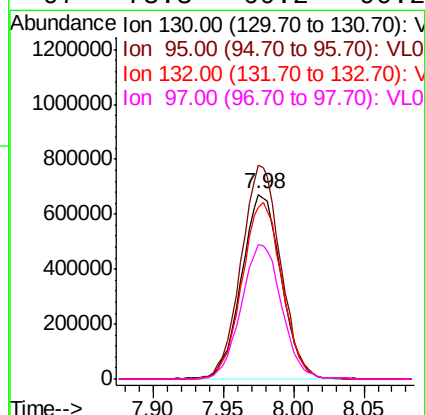
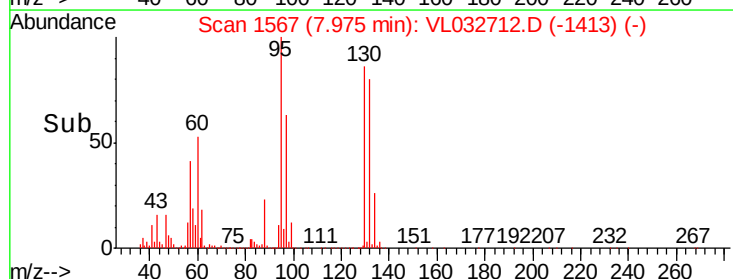
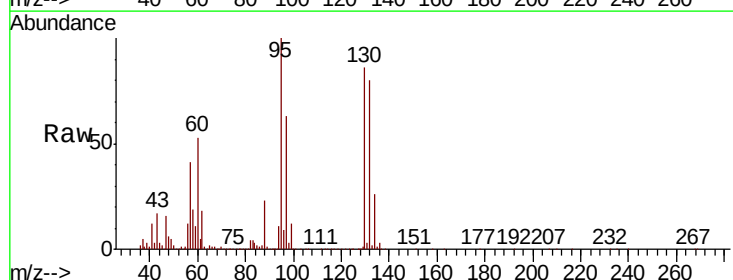
Ion Ratio Lower Upper

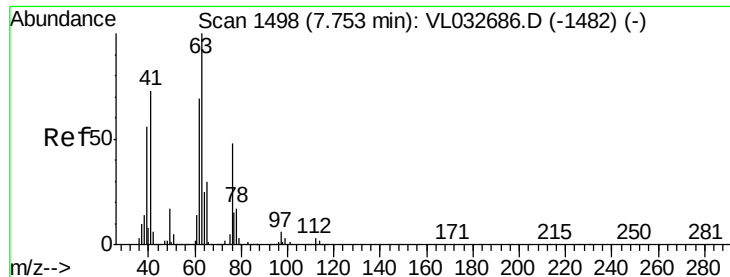
130 100

95 115.9 93.4 140.0

132 93.0 76.5 114.7

97 73.3 60.2 90.2





#39

1,2-Dichloropropane

Concen: 10.221 ppbv

RT: 7.75 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1296714

Ion Ratio Lower Upper

63 100

41 71.7 56.2 84.4

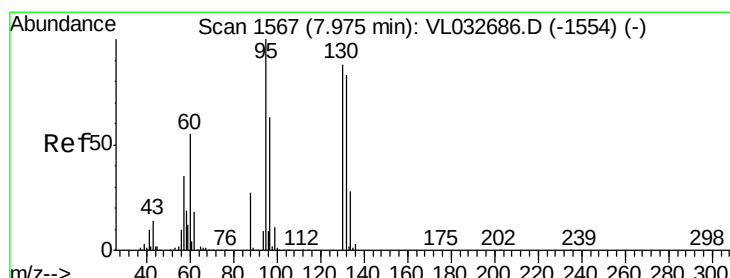
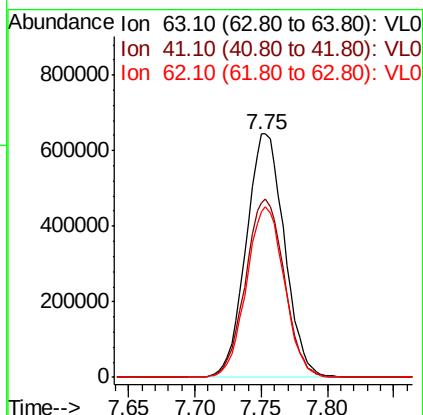
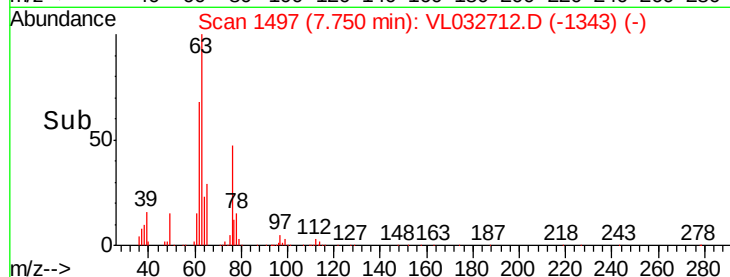
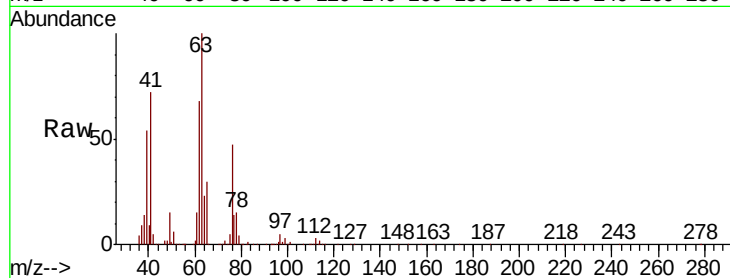
62 68.1 54.4 81.6

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#40

1,4-Dioxane

Concen: 10.713 ppbv

RT: 7.97 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion: 88 Resp: 464161

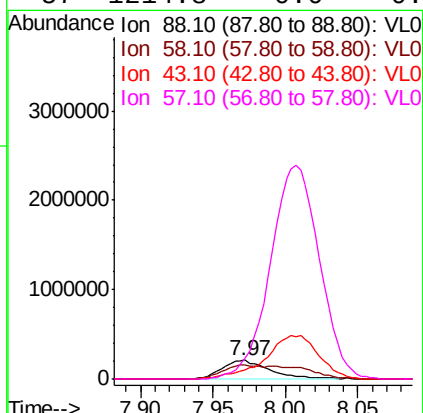
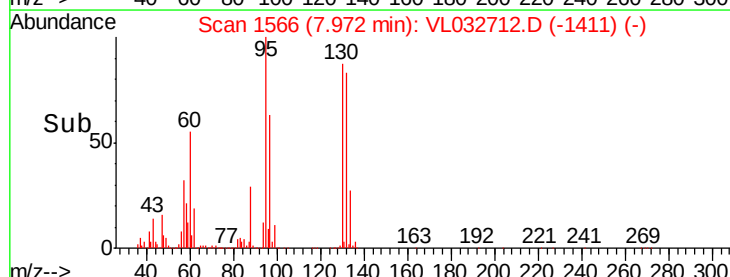
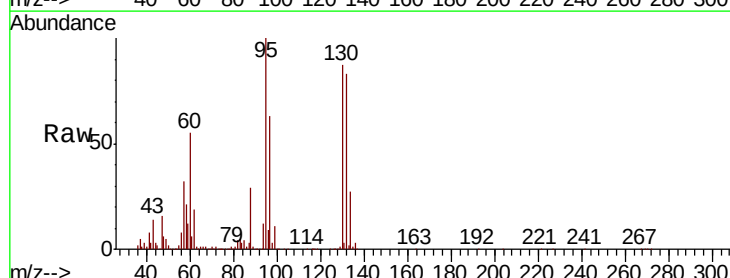
Ion Ratio Lower Upper

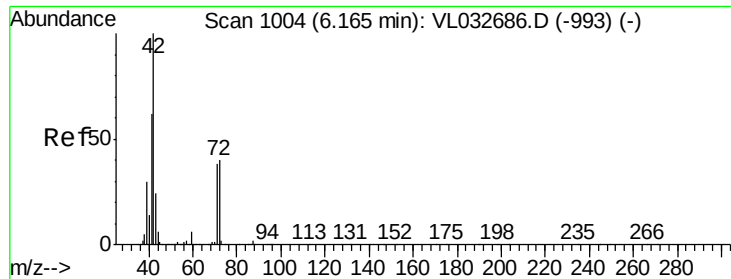
88 100

58 130.3 104.0 156.0

43 271.4 0.0 0.0#

57 1214.8 0.0 0.0#





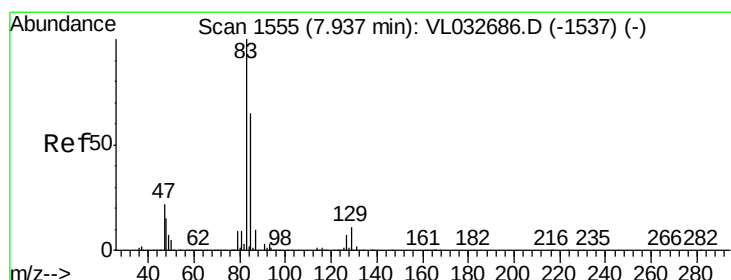
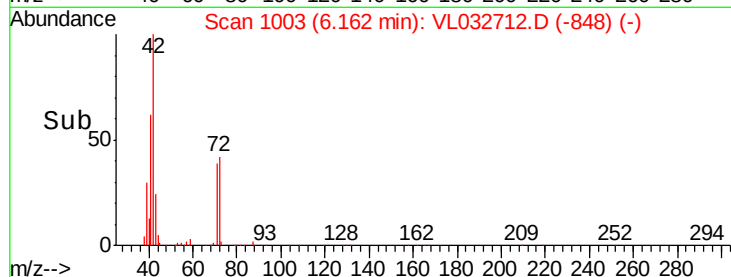
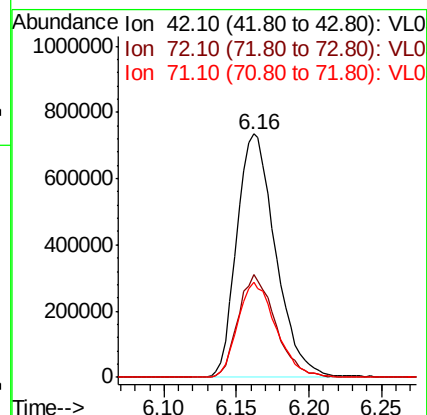
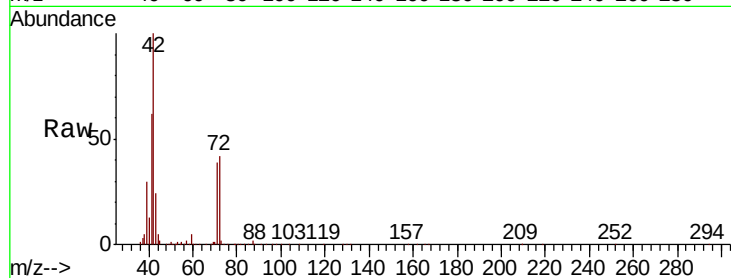
#41
Tetrahydrofuran
Concen: 11.292 ppbv
RT: 6.16 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.4	48.6
71	38.7	31.3	46.9

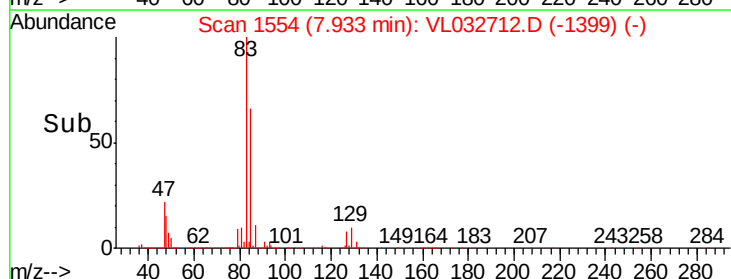
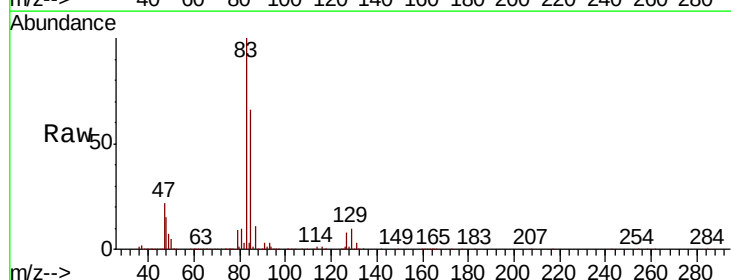
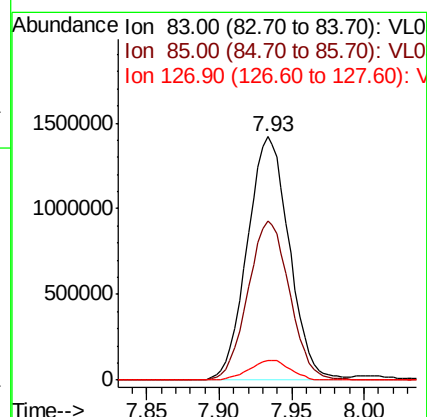
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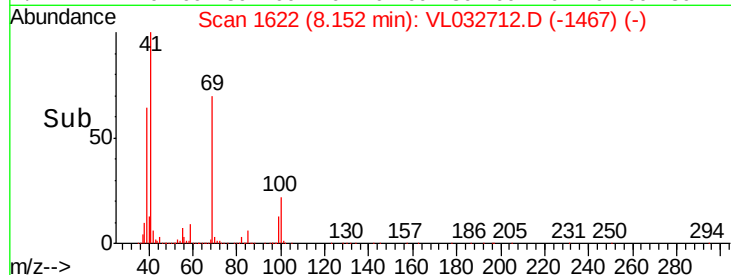
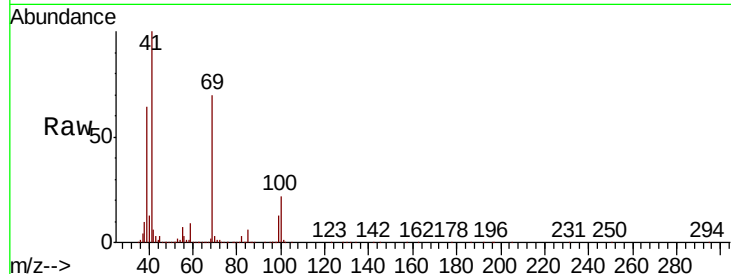
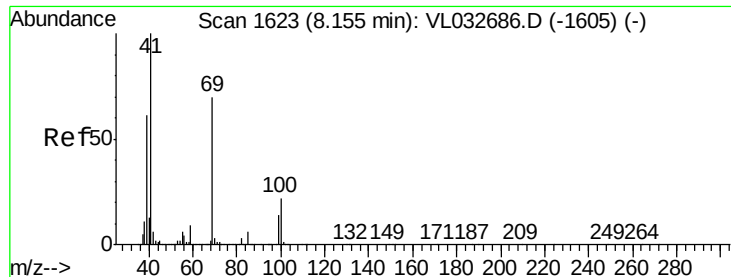
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#42
Bromodichloromethane
Concen: 10.109 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.4	78.6
127	7.9	6.1	9.1





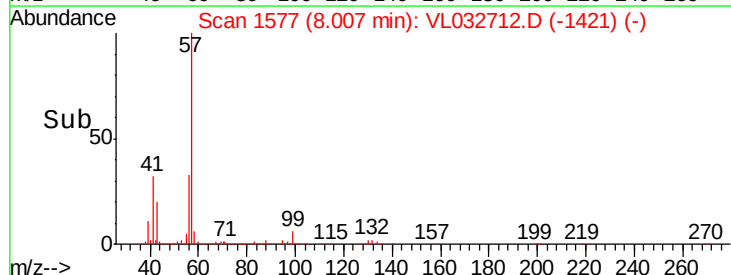
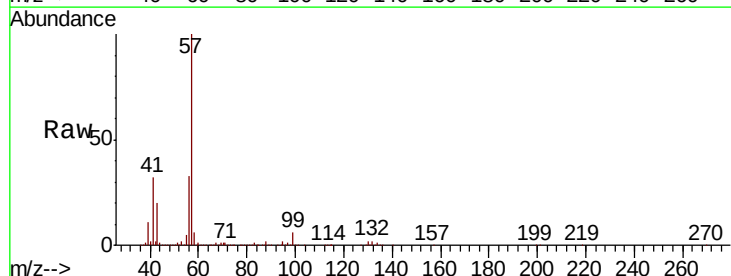
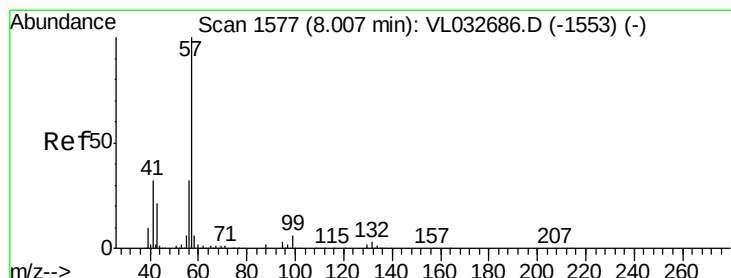
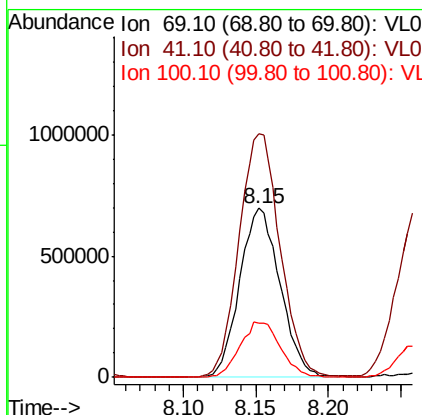
#43
Methyl Methacrylate
Concen: 11.221 ppbv
RT: 8.15 min Scan# 1622
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tot Ion: 69 Resp: 1351083
Ion Ratio Lower Upper
69 100
41 146.9 113.2 169.8
100 33.1 24.4 36.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

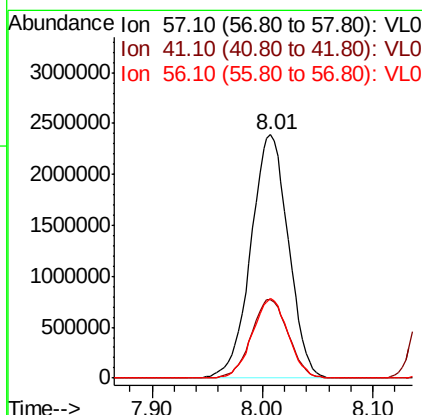
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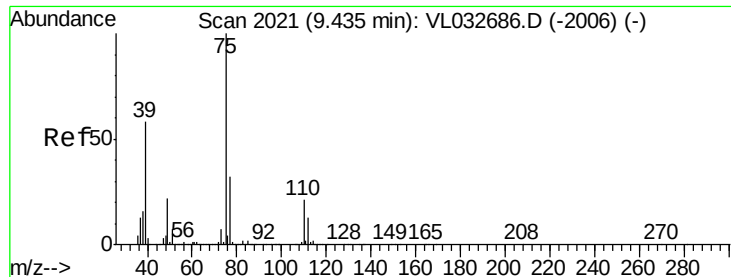
MMDadoda
11/12/2018 12:29:59 PM



#44
2,2,4-Trimethylpentane
Concen: 10.040 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion: 57 Resp: 5630956
Ion Ratio Lower Upper
57 100
41 31.9 24.7 37.1
56 31.2 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 12.111 ppbv

RT: 9.43 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1951975

Ion Ratio Lower Upper

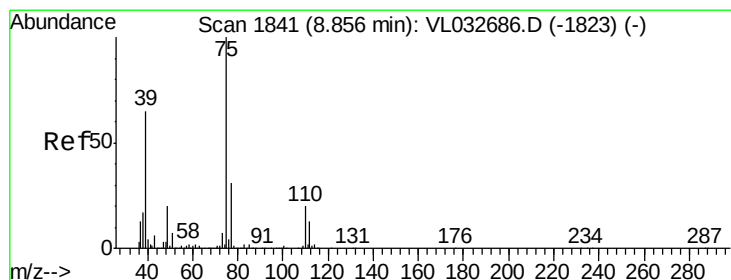
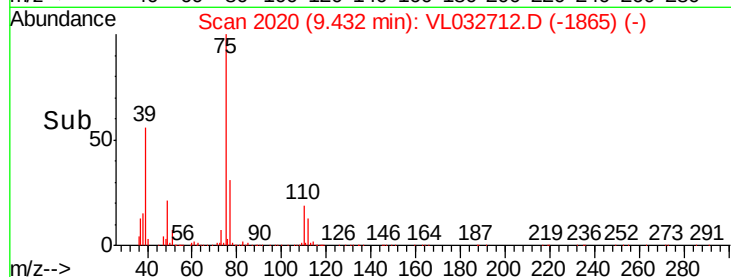
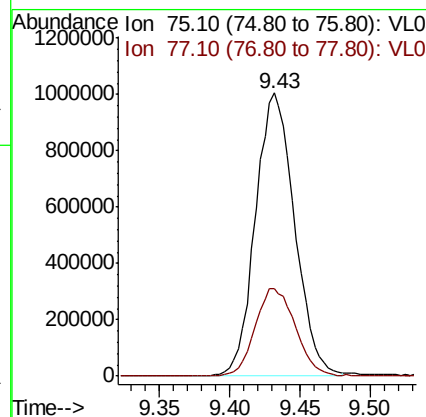
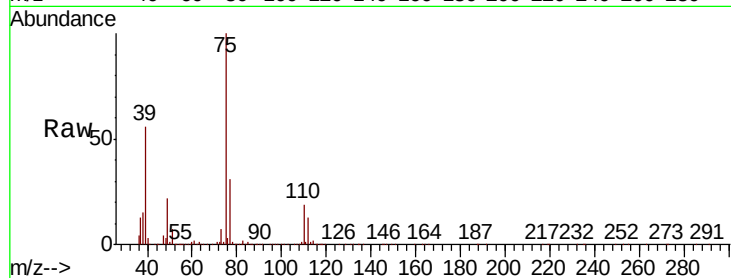
75 100

77 31.0 25.3 37.9

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#46

cis-1,3-Dichloropropene

Concen: 12.477 ppbv

RT: 8.85 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

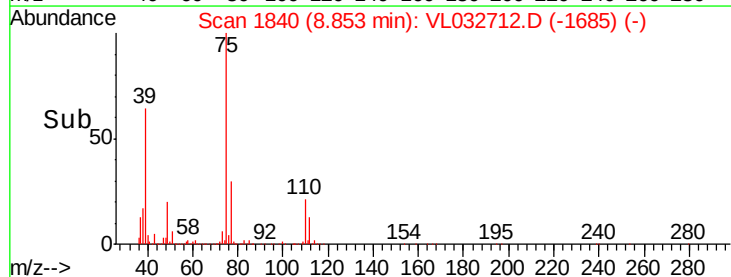
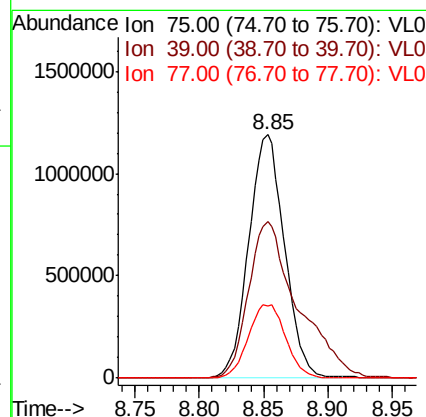
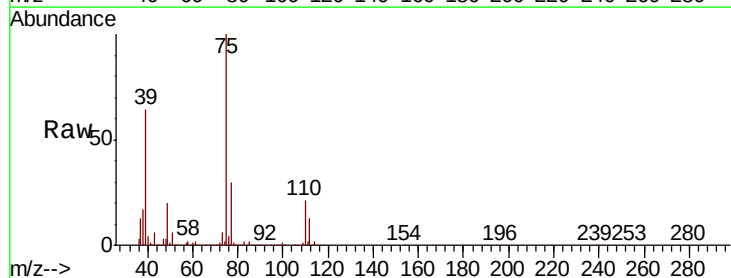
Tgt Ion: 75 Resp: 2297523

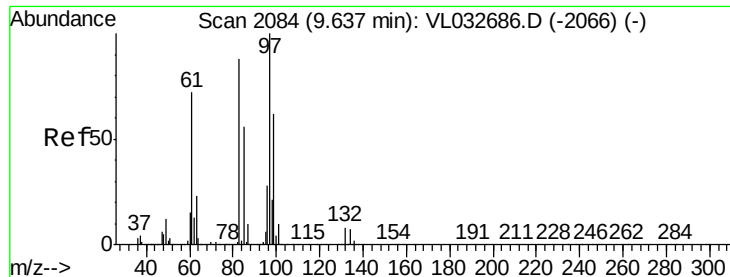
Ion Ratio Lower Upper

75 100

39 64.3 50.9 76.3

77 29.7 25.8 38.6





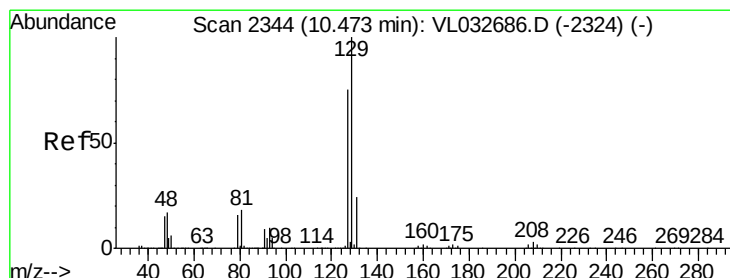
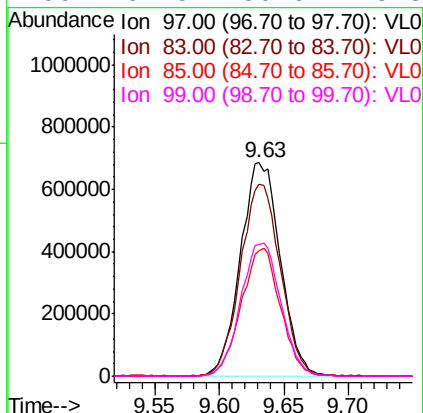
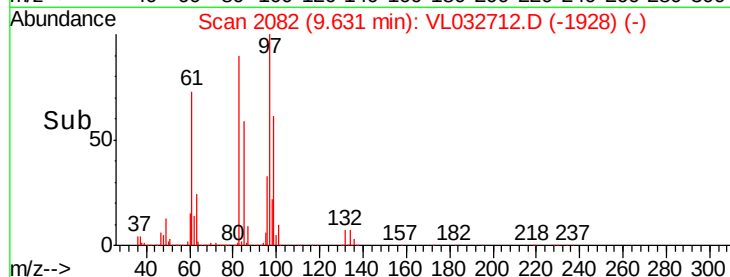
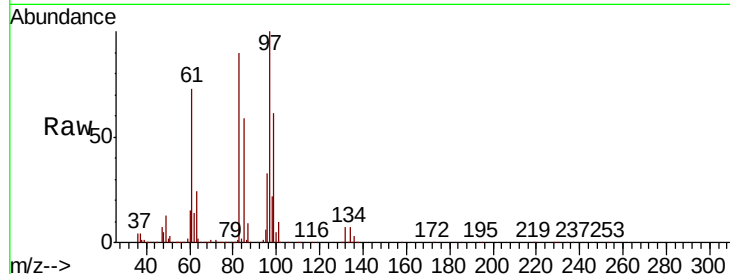
#47
 1,1,2-Trichloroethane
 Concen: 9.884 ppbv
 RT: 9.63 min Scan# 2082
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.9	73.5	110.3	
85	58.5	45.8	68.6	
99	61.5	50.6	75.8	

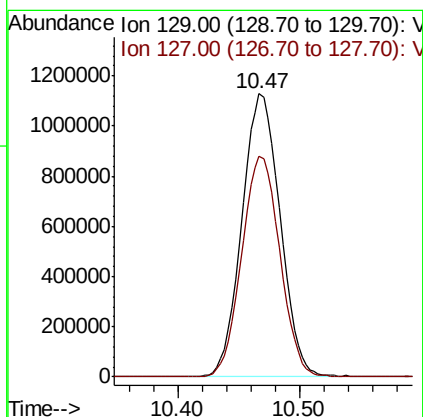
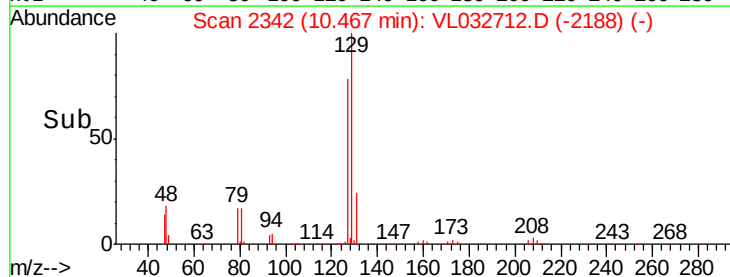
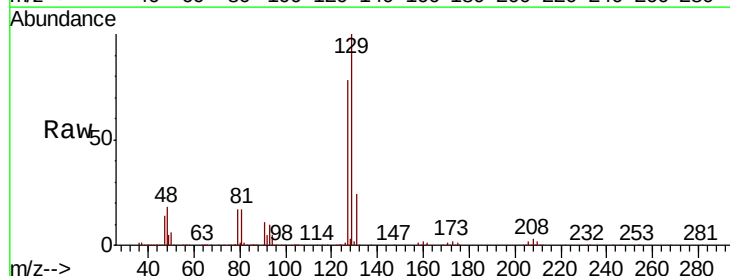
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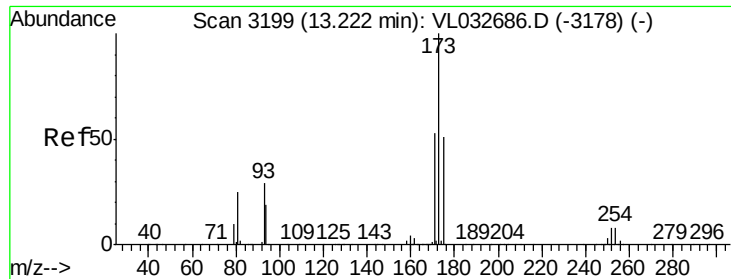
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#48
 Dibromochloromethane
 Concen: 9.762 ppbv
 RT: 10.47 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.2	39.1	117.5	





#49

Bromoform

Concen: 10.403 ppbv

RT: 13.22 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2042650

Ion Ratio Lower Upper

173 100

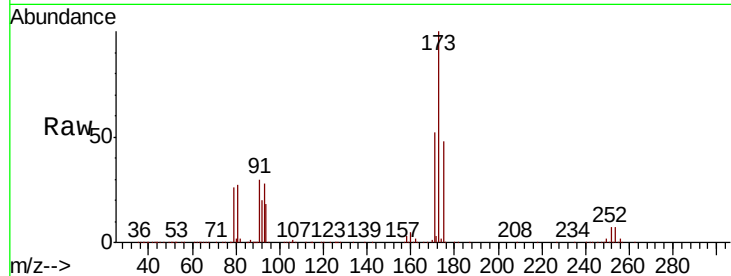
175 48.6 39.0 58.4

171 52.2 42.2 63.2

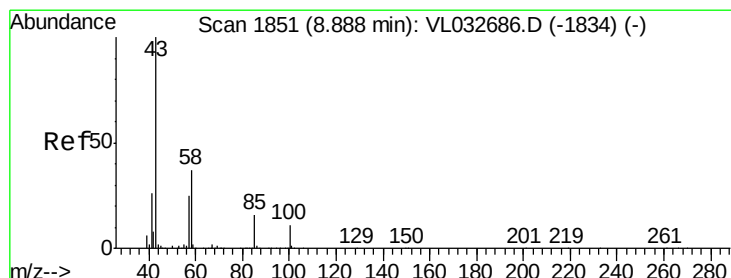
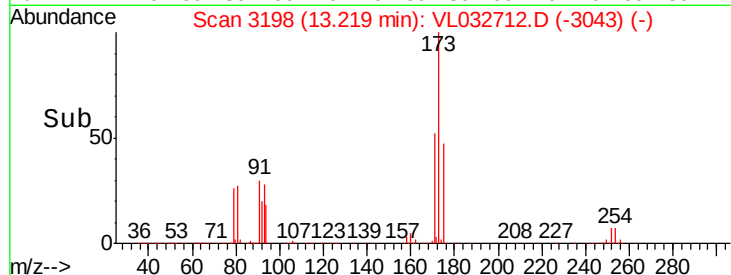
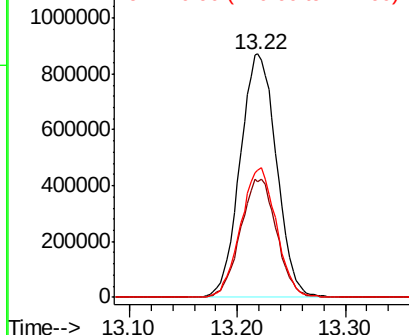
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.995 ppbv

RT: 8.88 min Scan# 1850

Delta R.T. -0.00 min

Lab File: VL032712.D

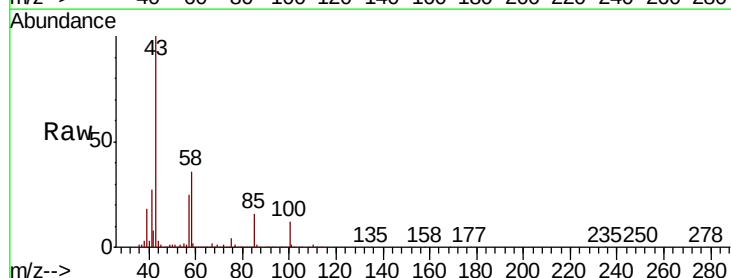
Acq: 7 Nov 2018 10:45

Tgt Ion: 43 Resp: 3532717

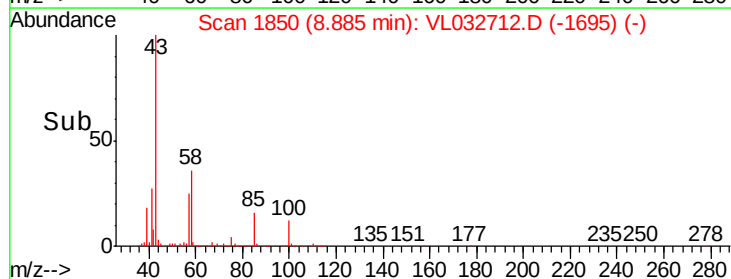
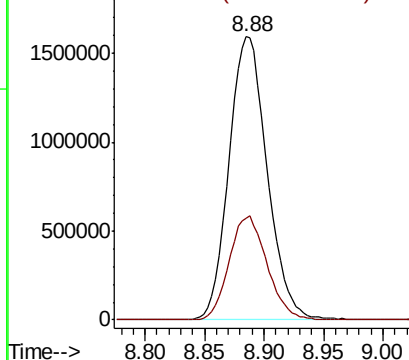
Ion Ratio Lower Upper

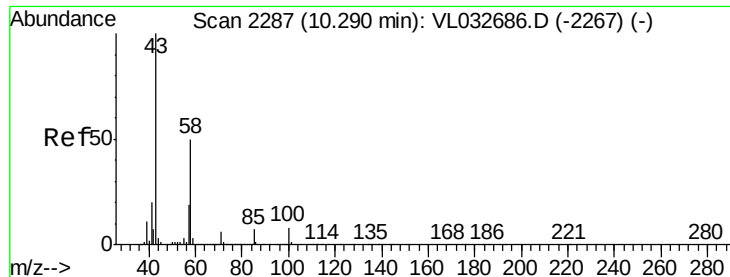
43 100

58 36.6 29.7 44.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.543 ppbv

RT: 10.29 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2518160

Ion Ratio Lower Upper

43 100

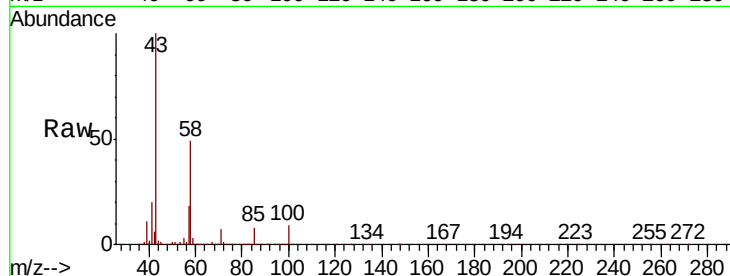
58 48.9 40.4 60.6

98 0.2 0.4 0.6#

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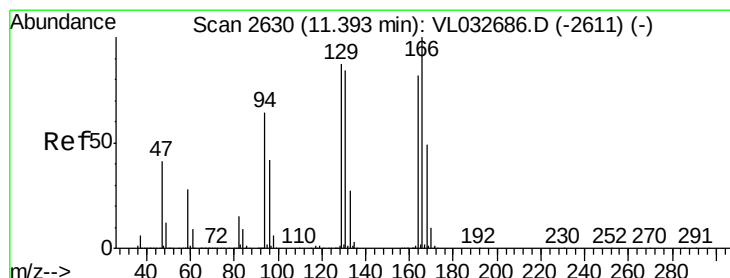
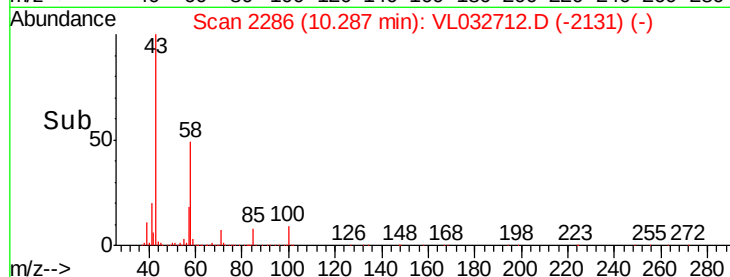
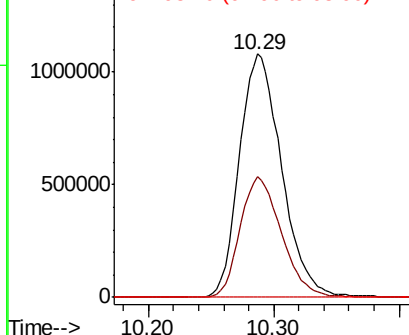


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.273 ppbv

RT: 11.39 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion: 164 Resp: 1176634

Ion Ratio Lower Upper

164 100

166 121.8 100.5 150.7

129 105.2 90.0 135.0

131 100.0 86.6 129.8

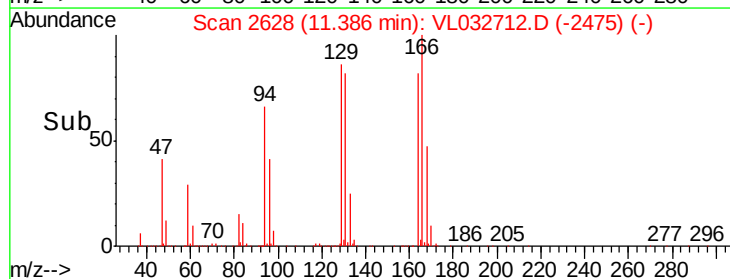
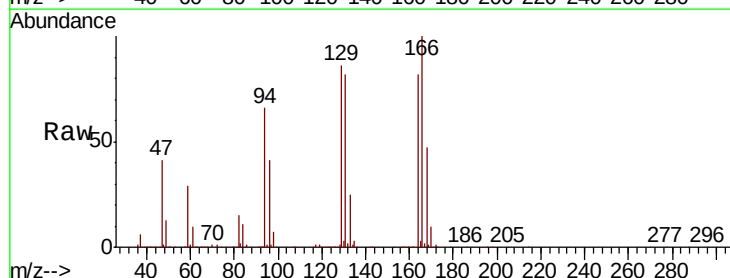
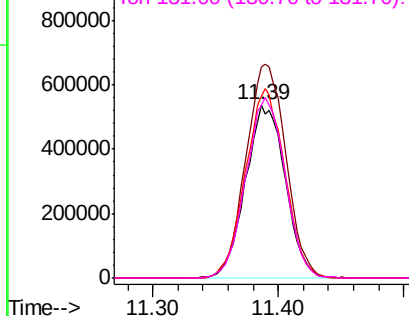
Abundance

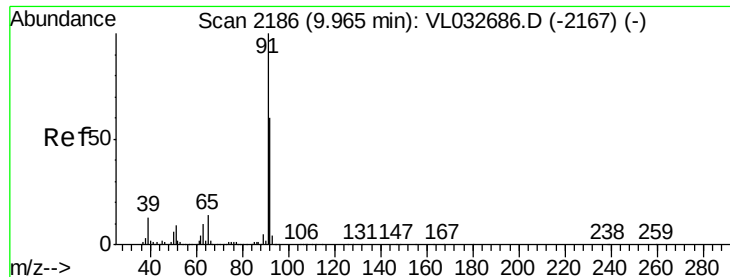
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.418 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3923361

Ion Ratio Lower Upper

91 100

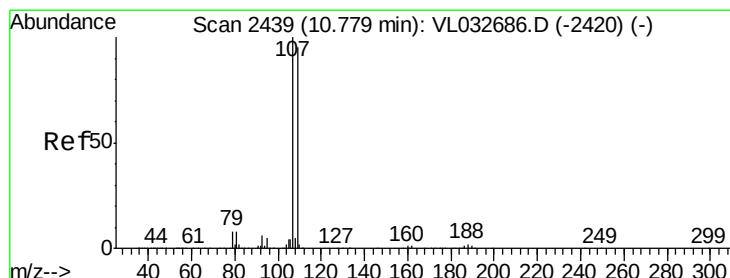
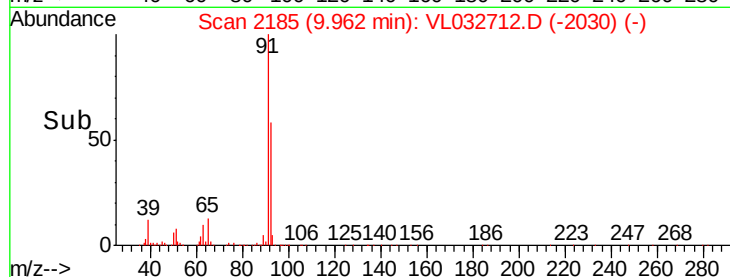
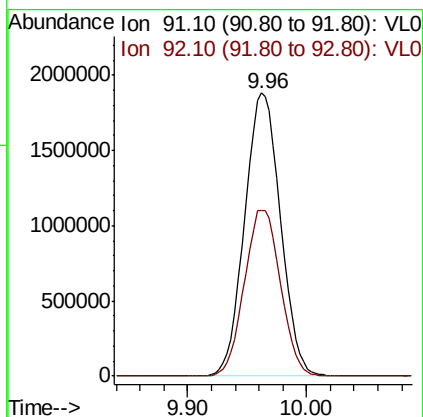
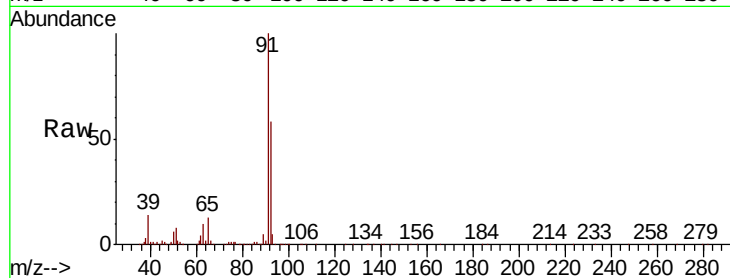
92 59.4 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 10.305 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL032712.D

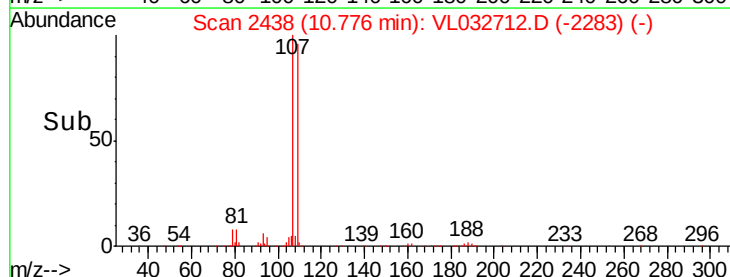
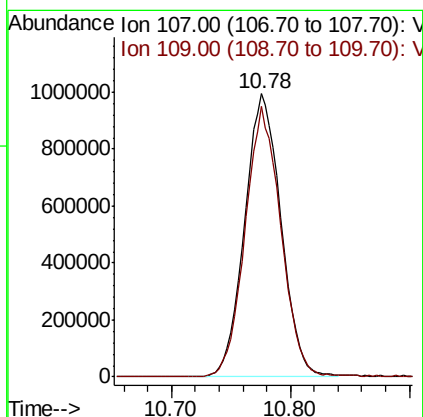
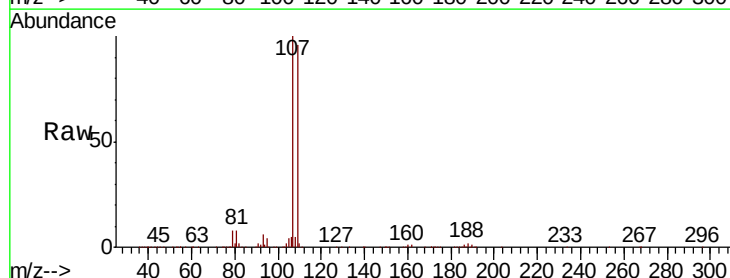
Acq: 7 Nov 2018 10:45

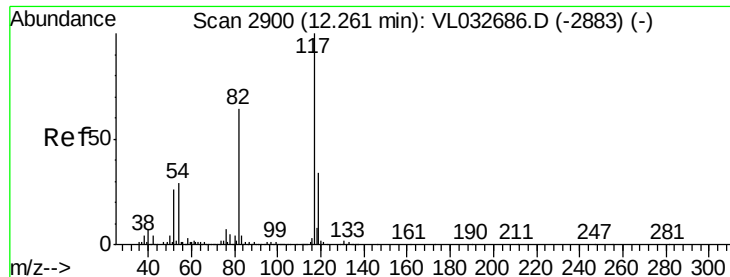
Tgt Ion: 107 Resp: 2099581

Ion Ratio Lower Upper

107 100

109 95.7 75.3 112.9





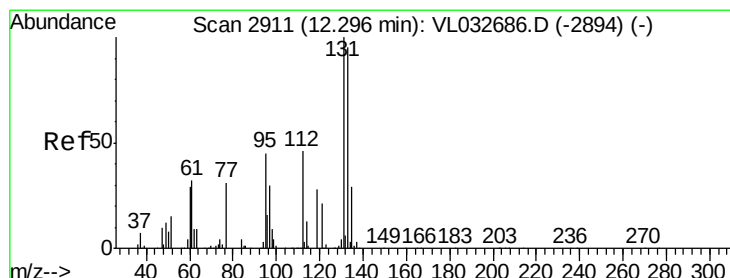
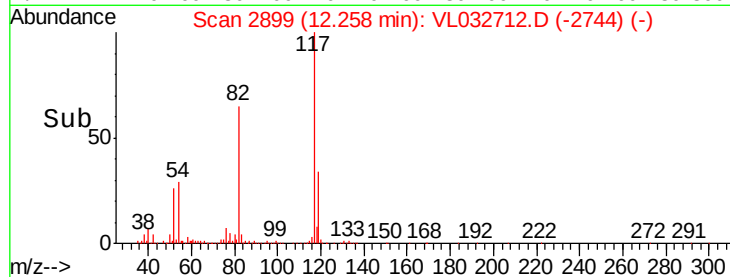
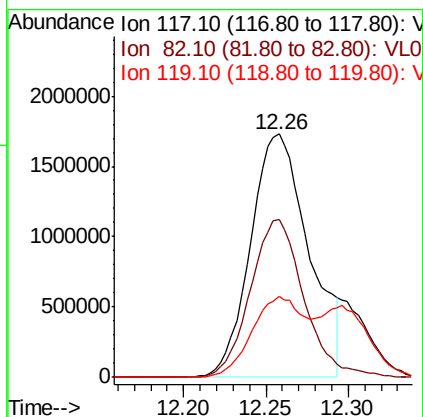
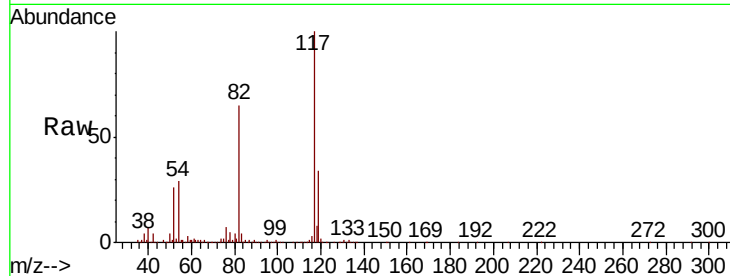
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.26 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4275360
Ion Ratio Lower Upper
117 100
82 59.6 52.7 79.1
119 29.5 26.7 40.1

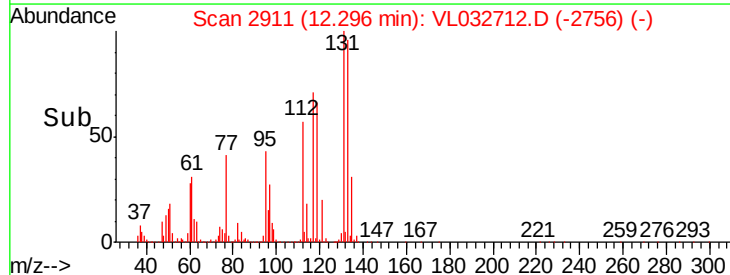
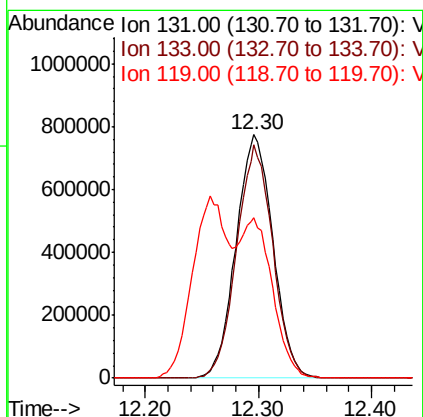
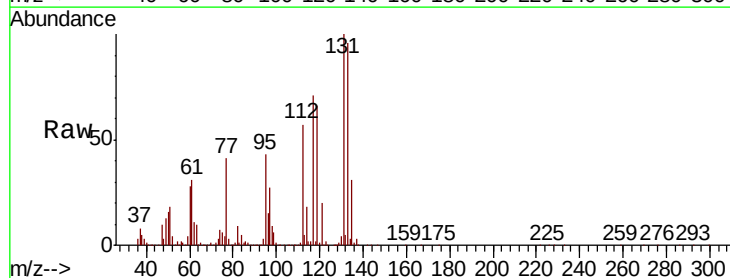
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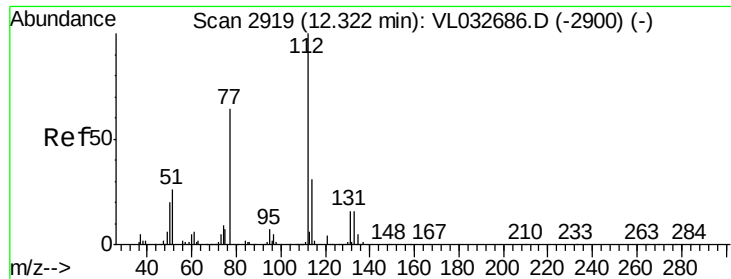
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.397 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion:131 Resp: 1756693
Ion Ratio Lower Upper
131 100
133 93.8 75.4 113.2
119 61.1 49.1 73.7





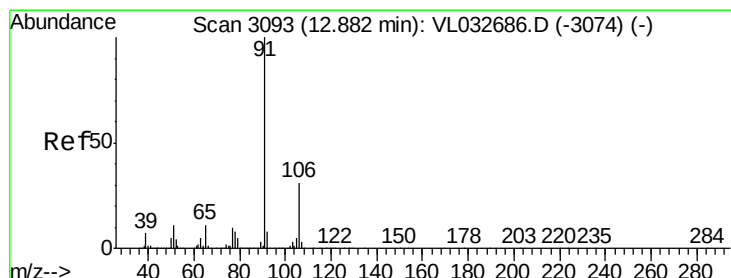
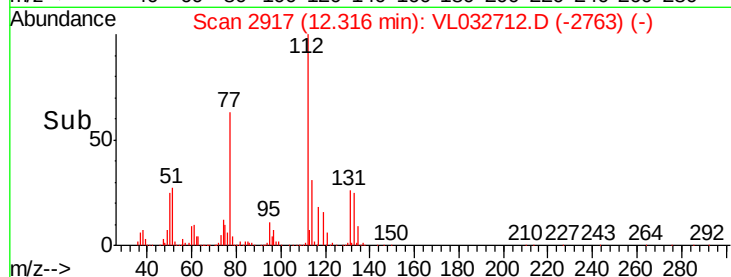
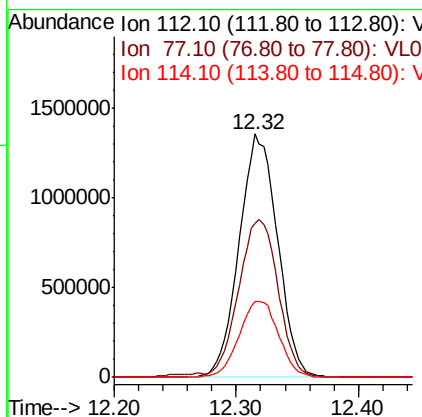
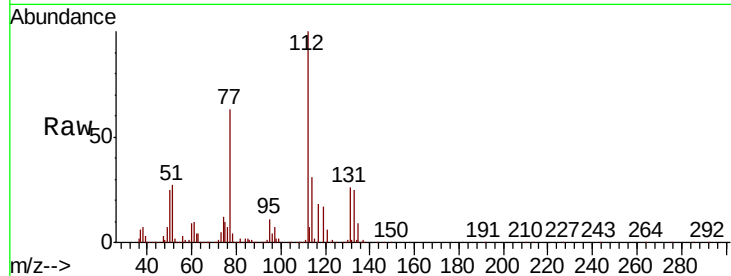
#57
Chlorobenzene
Concen: 9.335 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.0	56.8	85.2
114	31.0	30.3	37.1

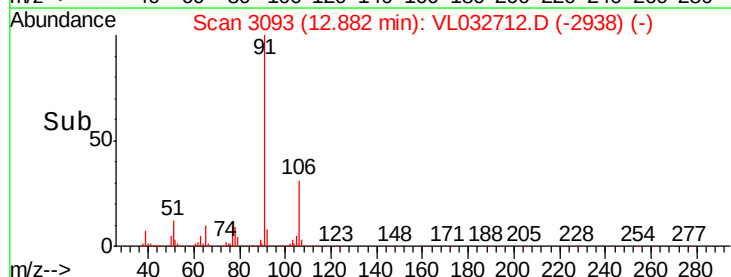
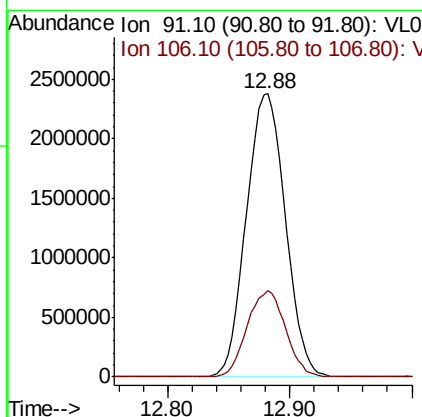
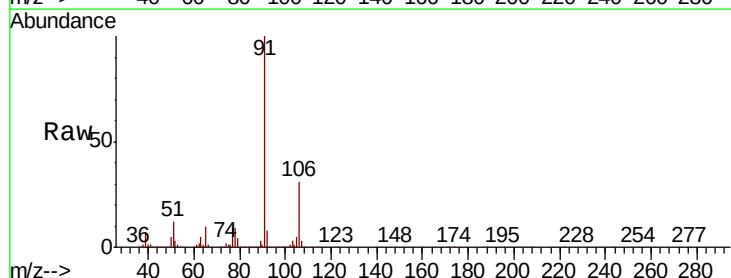
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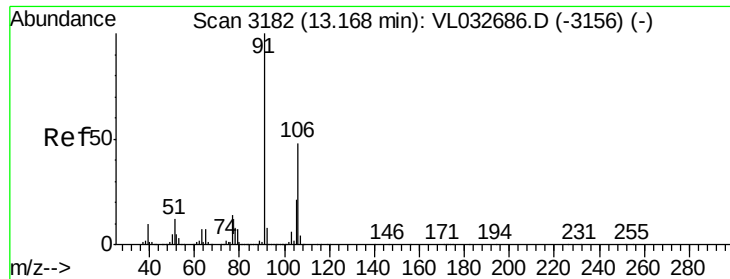
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#58
Ethyl Benzene
Concen: 10.575 ppbv
RT: 12.88 min Scan# 3093
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.2





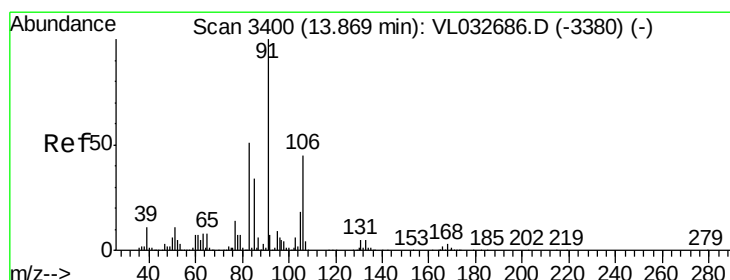
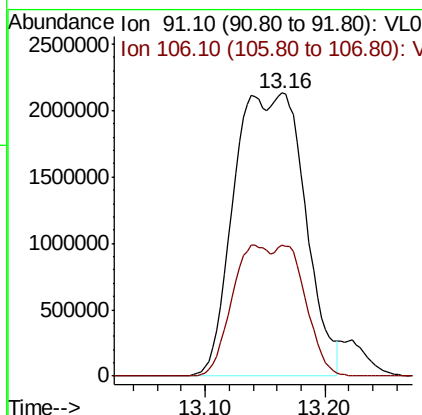
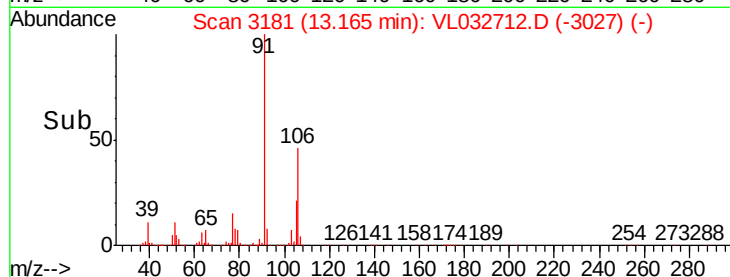
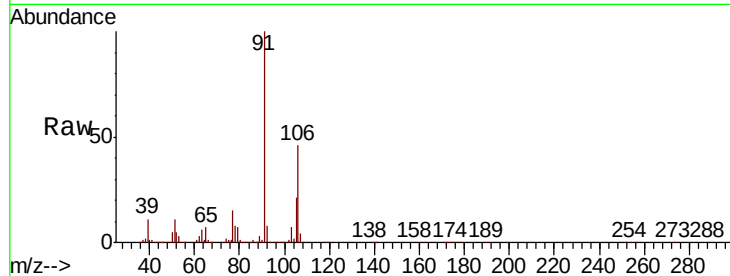
#59
m/p-Xylene
Concen: 19.649 ppbv m
RT: 13.16 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8690869
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#

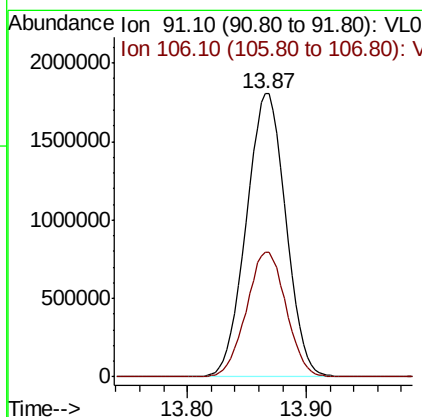
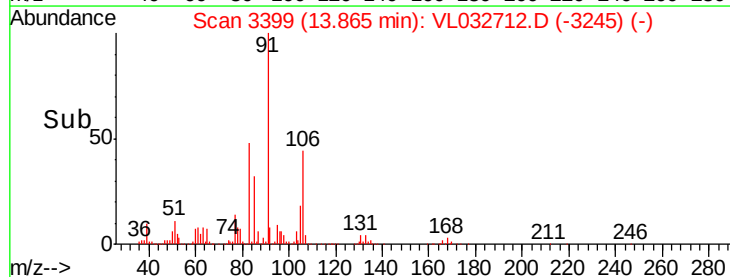
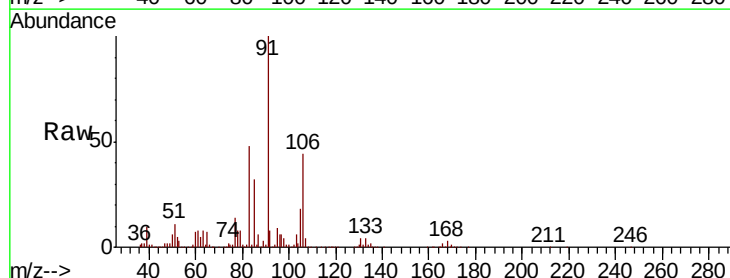
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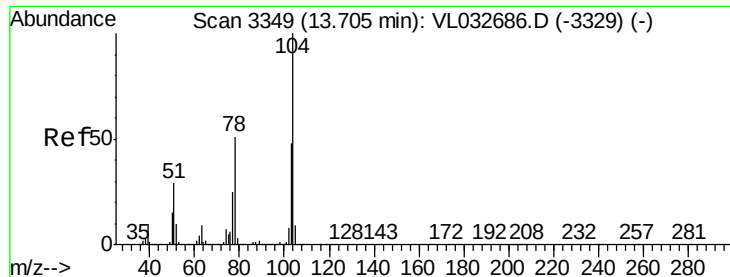
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#60
o-Xylene
Concen: 9.736 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion: 91 Resp: 4153776
Ion Ratio Lower Upper
91 100
106 44.2 22.1 66.1





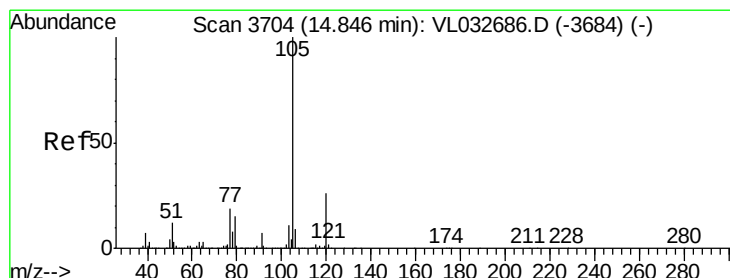
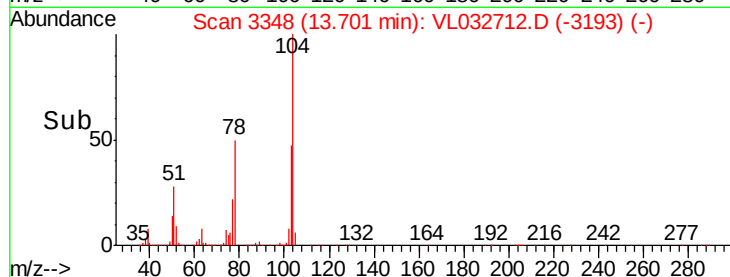
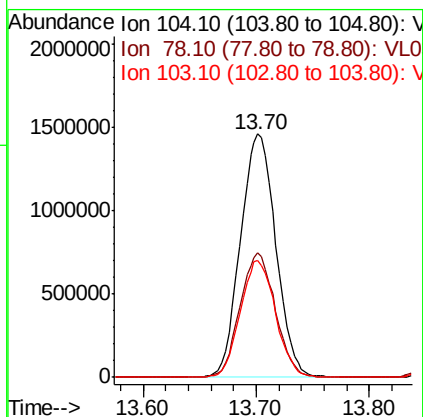
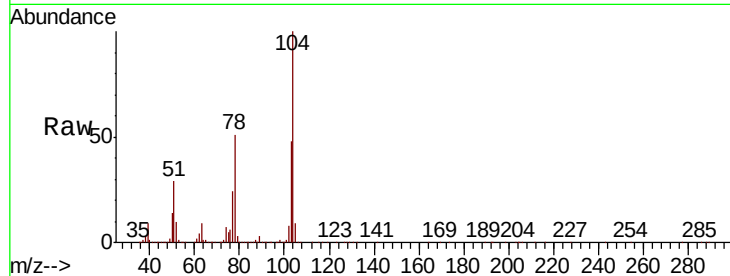
#61
Stvrene
Concen: 11.117 ppbv
RT: 13.70 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.8	64.2
103	47.8	37.4	56.0

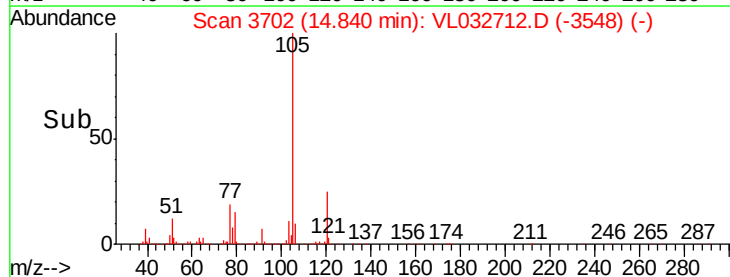
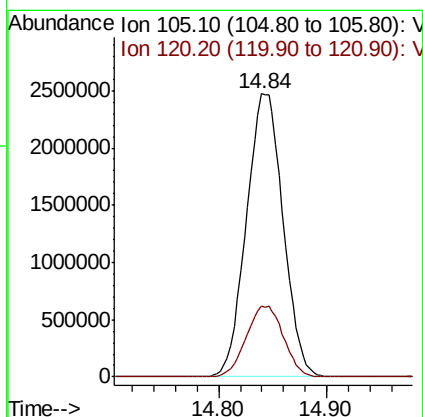
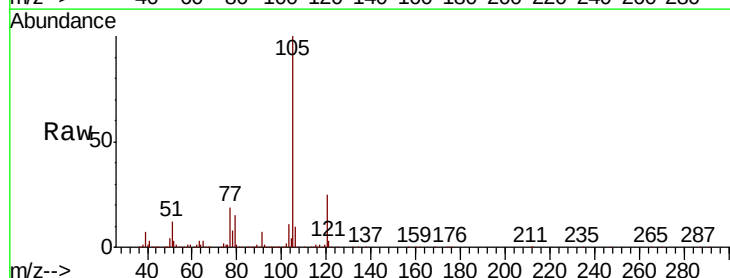
Manual Integrations
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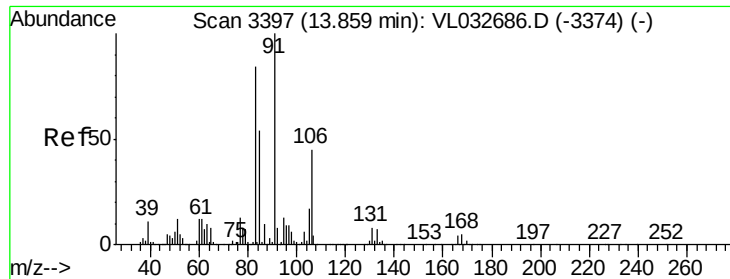
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#62
Isopropylbenzene
Concen: 9.669 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.5	30.7





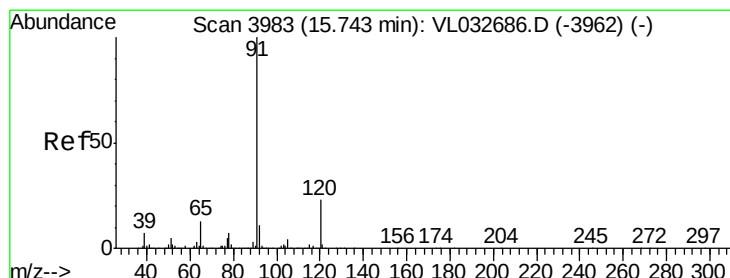
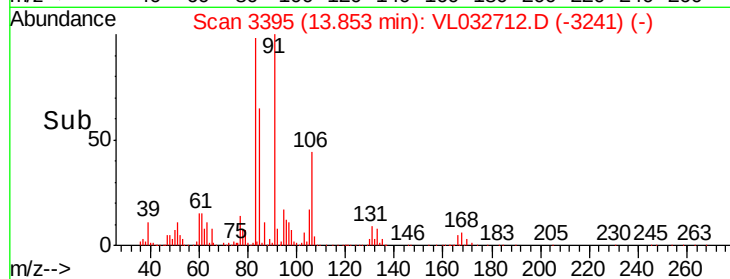
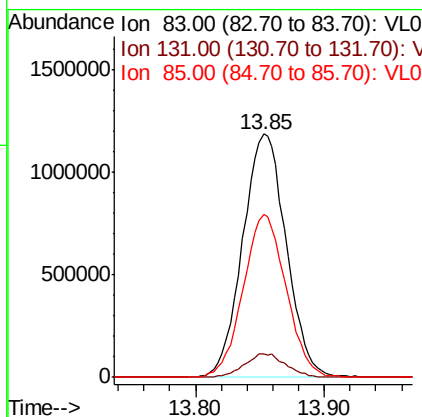
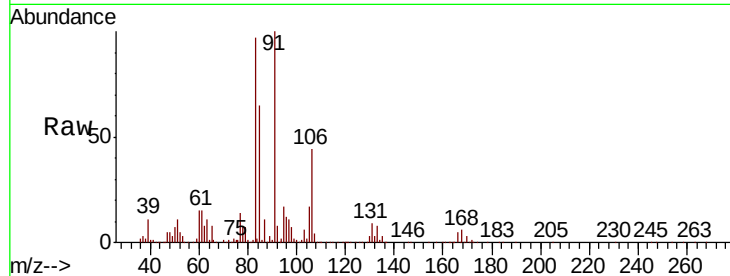
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.319 ppbv
 RT: 13.85 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2780886
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.3	12.9
85	66.3	32.3	96.9

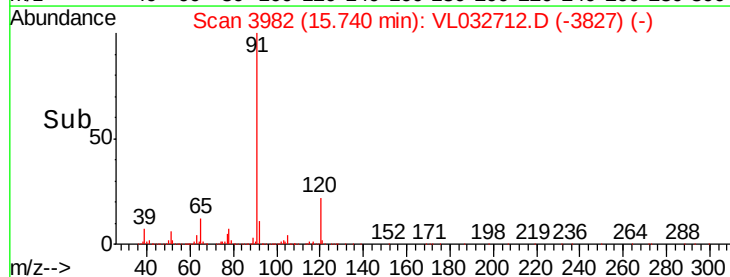
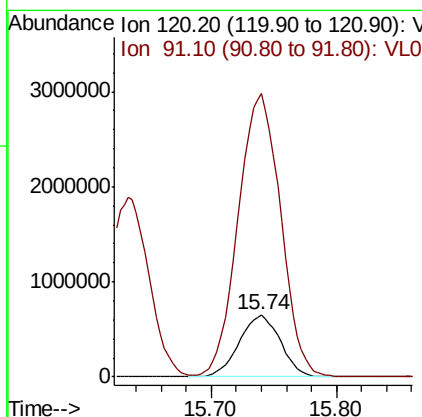
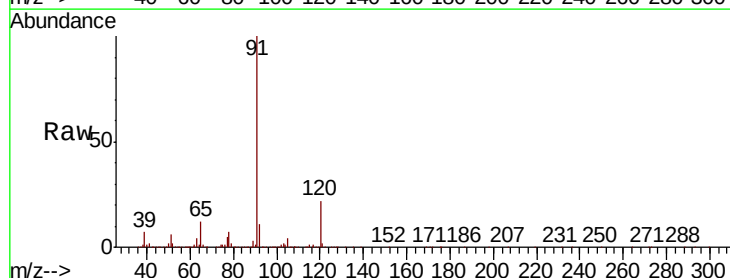
Manual Integrations
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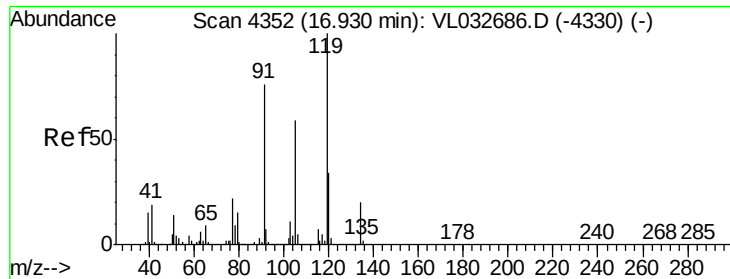
MMDadoda
 11/12/2018 12:29:59 PM



#64
 n-propylbenzene
 Concen: 9.909 ppbv
 RT: 15.74 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion	120	Resp	1486940
Ion Ratio	Lower	Upper	
120	100		
91	471.8	390.2	585.2





#65

tert-Butylbenzene

Concen: 10.252 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 5271949

Ion Ratio Lower Upper

119 100

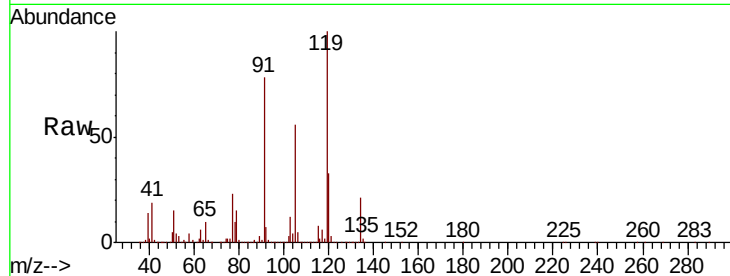
91 81.0 67.8 101.8

134 20.0 15.8 23.8

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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

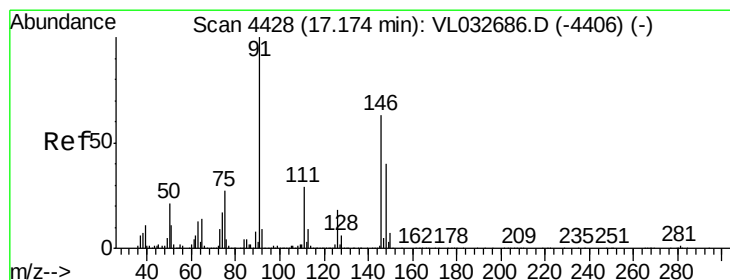
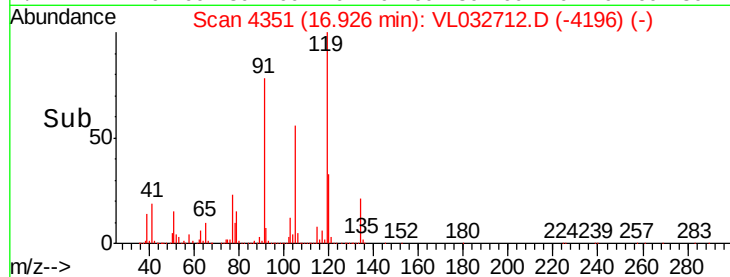
1000000

500000

0

16.80 16.90 17.00

Time-->



#66

Benzyl Chloride

Concen: 11.697 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

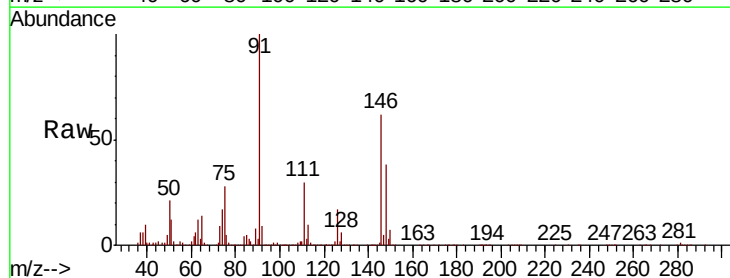
Tgt Ion: 91 Resp: 3105912

Ion Ratio Lower Upper

91 100

126 18.0 13.9 20.9

128 5.9 4.3 6.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

1500000

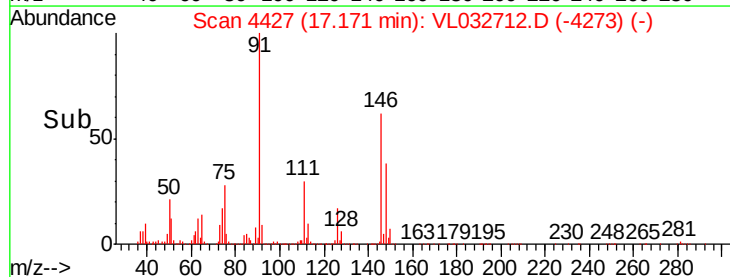
1000000

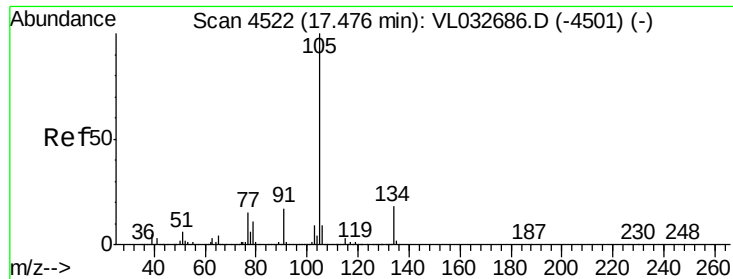
500000

0

17.10 17.20

Time-->





#67

sec-Butylbenzene

Concen: 9.452 ppbv

RT: 17.47 min Scan# 4521

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 6912870

Ion Ratio Lower Upper

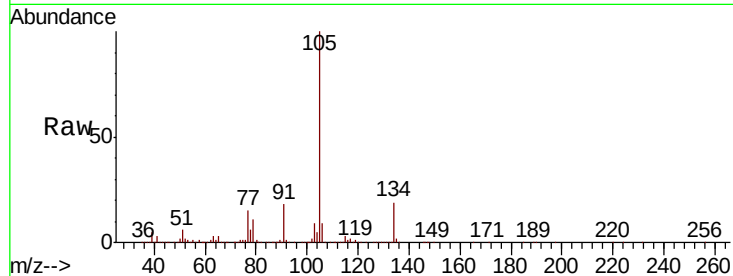
105 100

134 18.2 14.2 21.2

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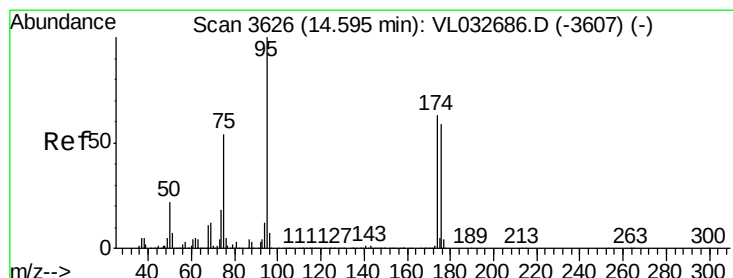
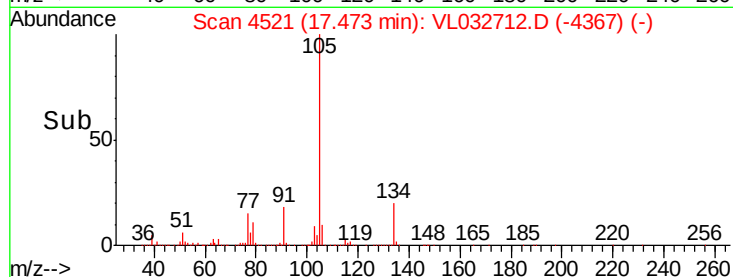
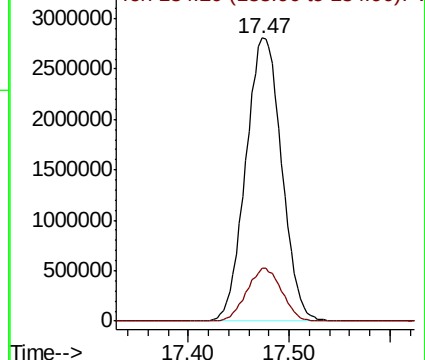
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.282 ppbv

RT: 14.60 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

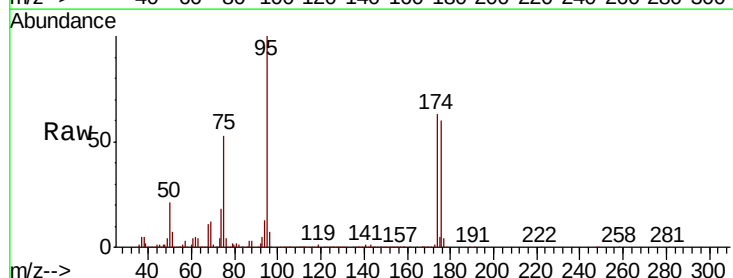
Tgt Ion: 95 Resp: 2954854

Ion Ratio Lower Upper

95 100

174 63.5 46.0 69.0

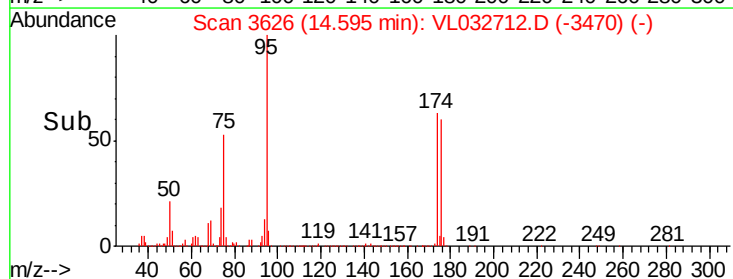
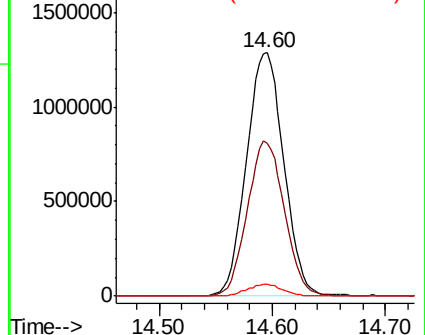
175 4.6 3.4 5.0

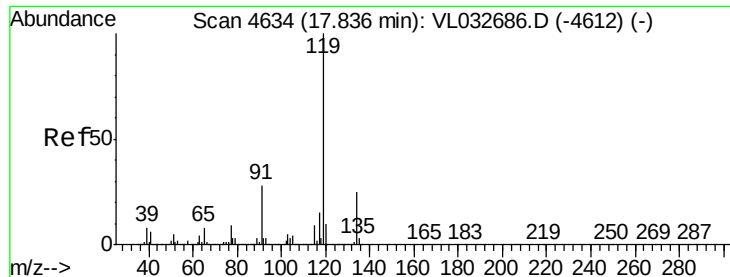


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





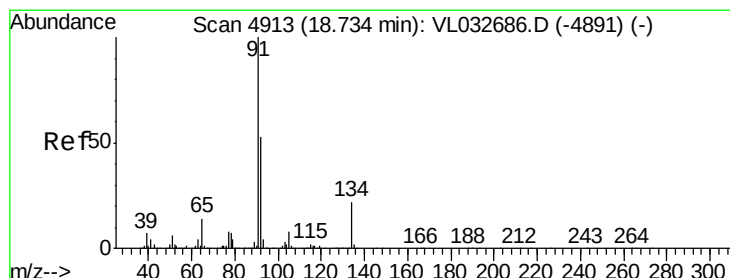
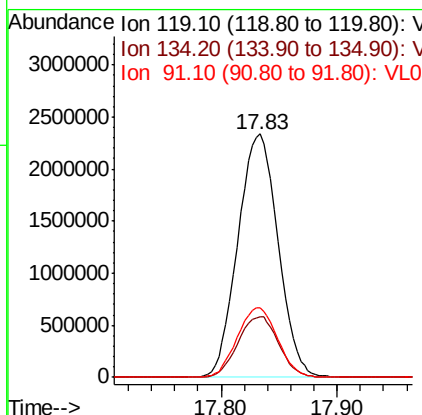
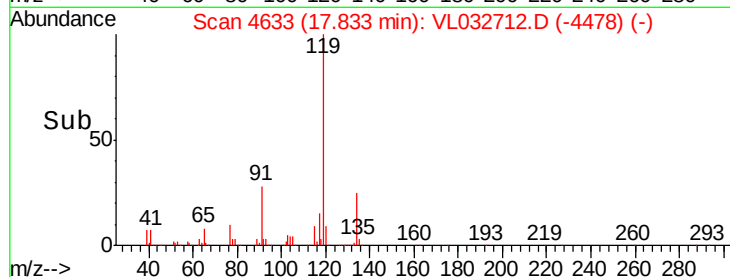
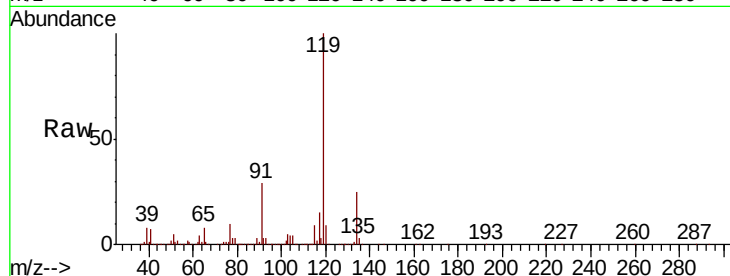
#69
p-Isopropyltoluene
Concen: 9.699 ppbv
RT: 17.83 min Scan# 4633
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	28.6	24.0	36.0

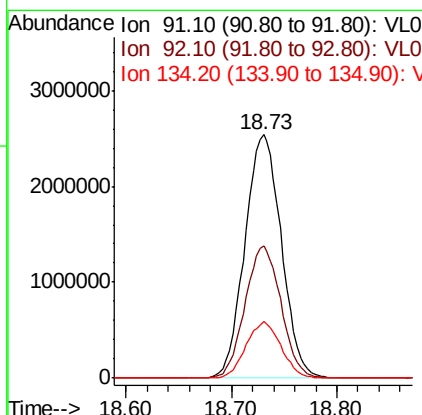
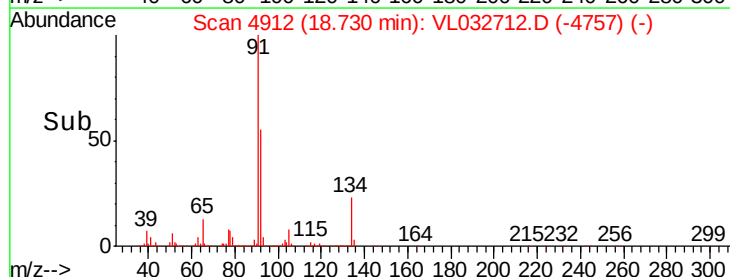
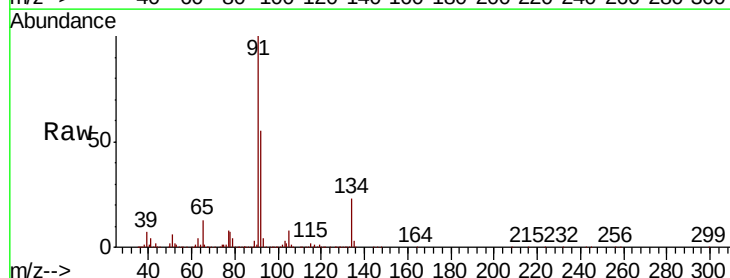
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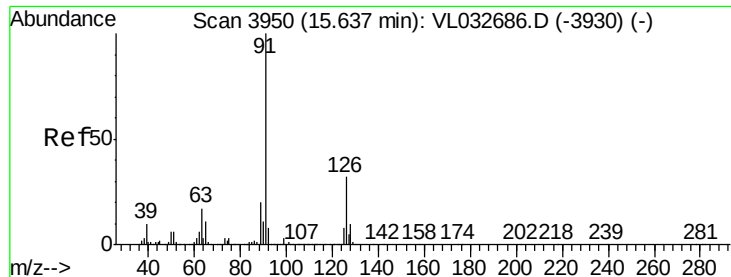
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#70
n-Butylbenzene
Concen: 10.236 ppbv
RT: 18.73 min Scan# 4912
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.0	64.4
134	22.3	17.0	25.6





#71

2-Chlorotoluene

Concen: 10.196 ppbv

RT: 15.63 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4375574

Ion Ratio Lower Upper

91 100

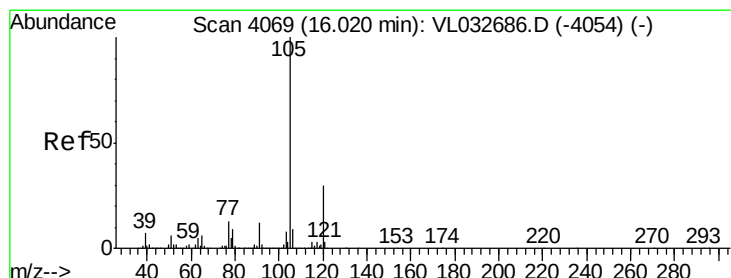
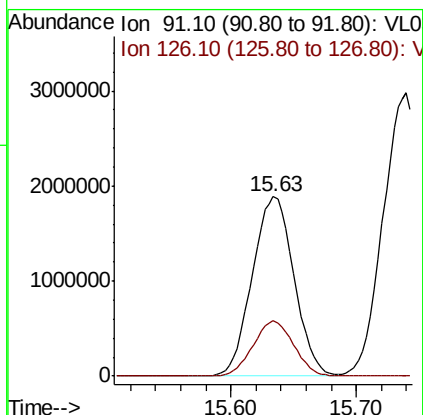
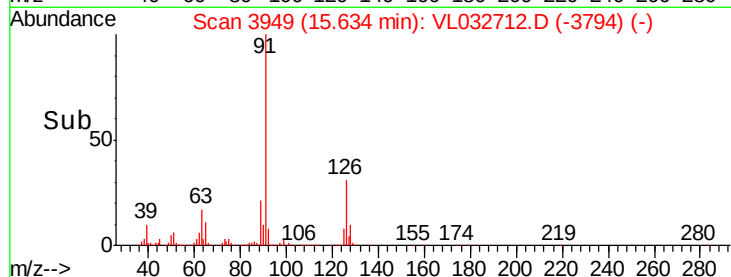
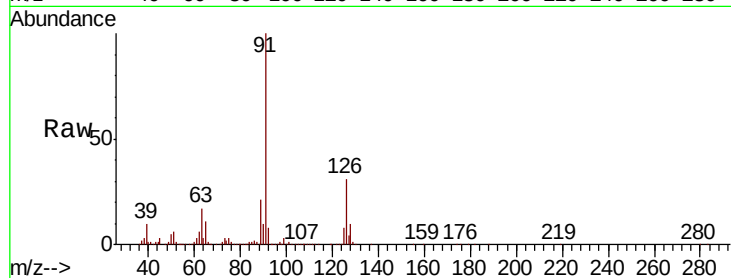
126 30.0 11.8 47.4

Manual Integrations

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#72

4-Ethyltoluene

Concen: 10.370 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion: 105 Resp: 4712490

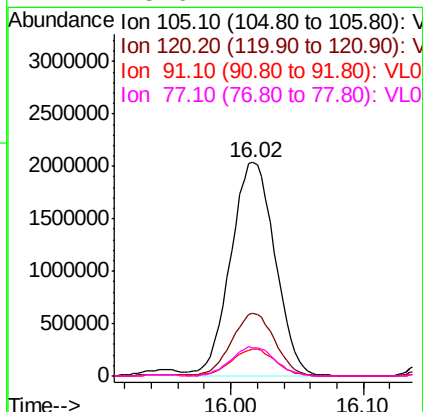
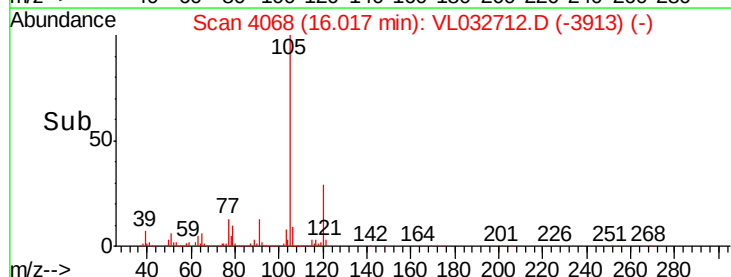
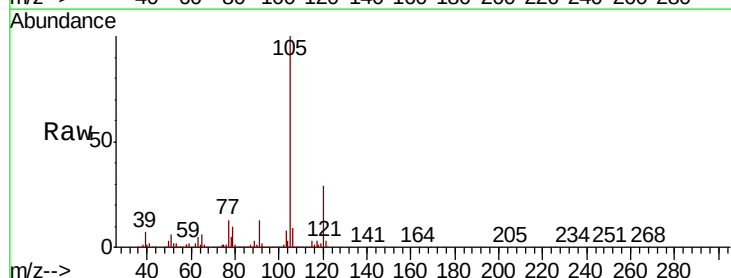
Ion Ratio Lower Upper

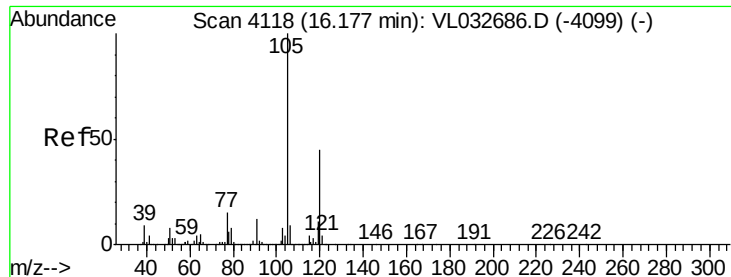
105 100

120 29.0 23.7 35.5

91 12.6 10.4 15.6

77 13.6 11.4 17.2





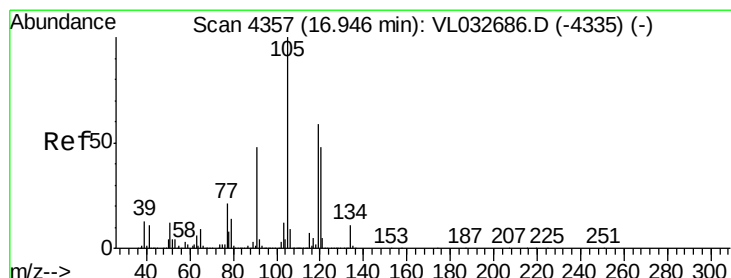
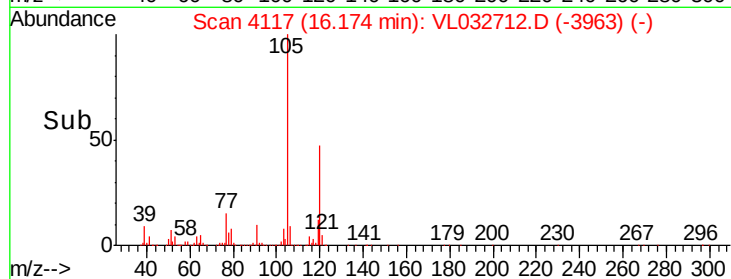
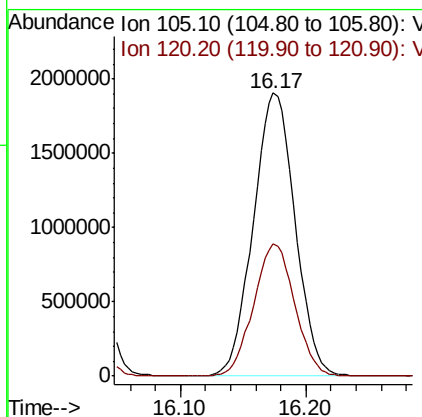
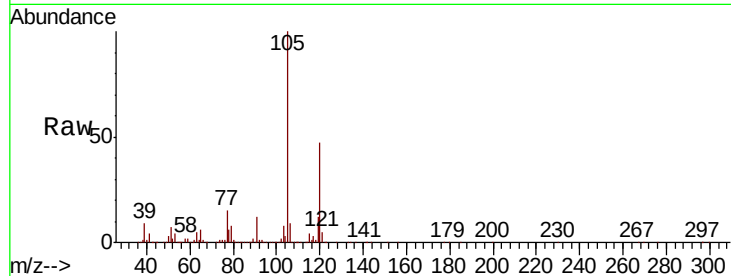
#73
 1,3,5-Trimethylbenzene
 Concen: 9.925 ppbv
 RT: 16.17 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4393026
 Ion Ratio Lower Upper
 105 100
 120 46.9 35.4 53.2

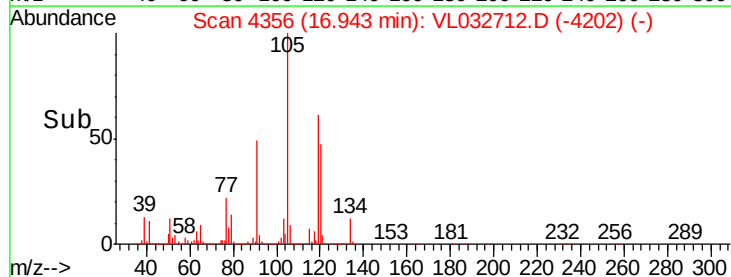
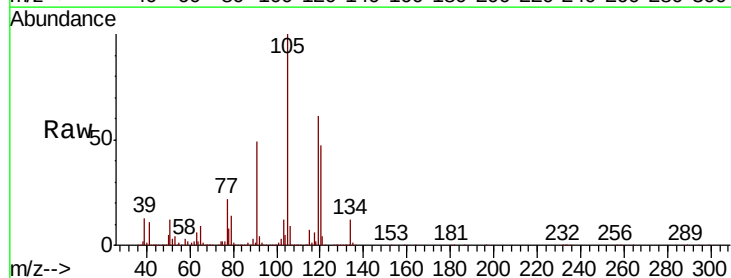
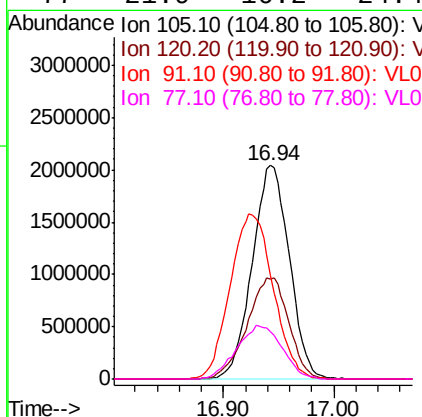
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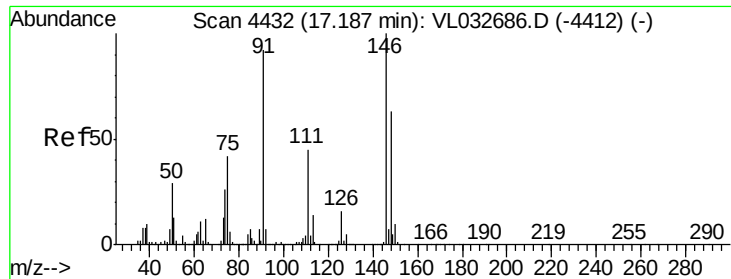
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 11/12/2018 12:29:59 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.062 ppbv
 RT: 16.94 min Scan# 4356
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion:105 Resp: 4756178
 Ion Ratio Lower Upper
 105 100
 120 46.8 35.8 53.8
 91 48.6 33.2 49.8
 77 21.9 16.2 24.4





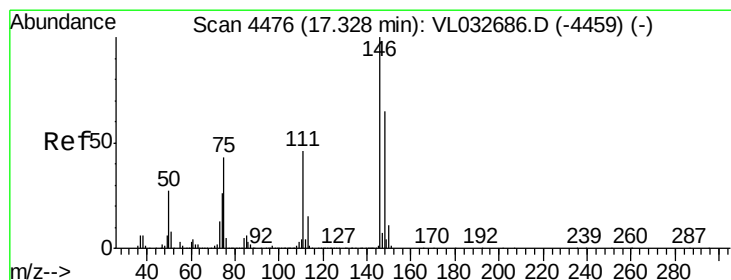
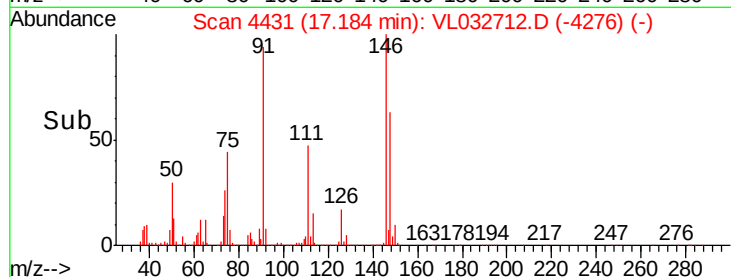
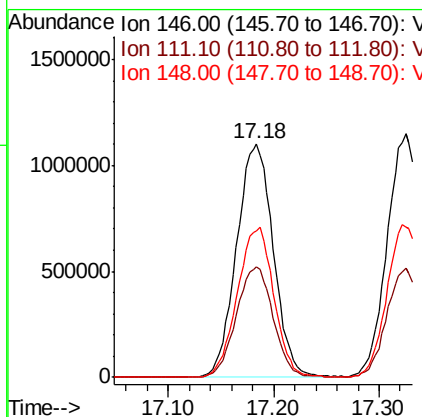
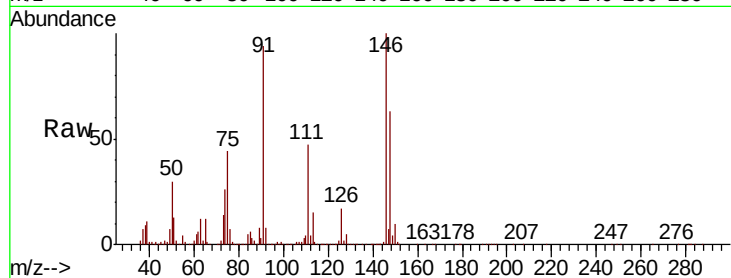
#75
 1,3-Dichlorobenzene
 Concen: 9.820 ppbv
 RT: 17.18 min Scan# 4431
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.4	73.2
148	63.9	31.9	95.9

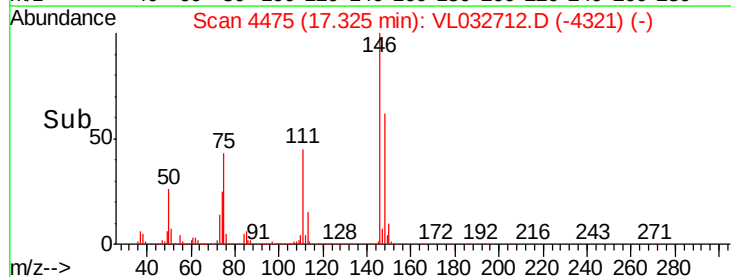
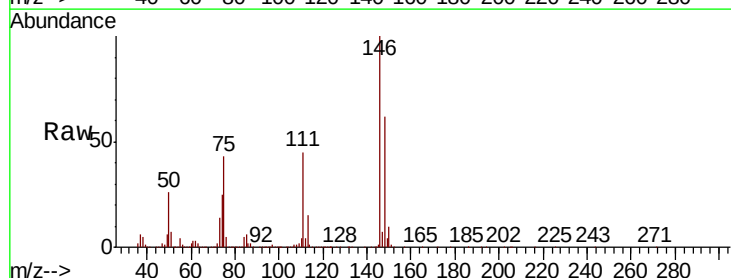
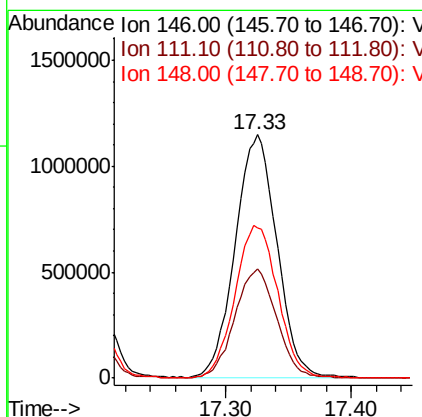
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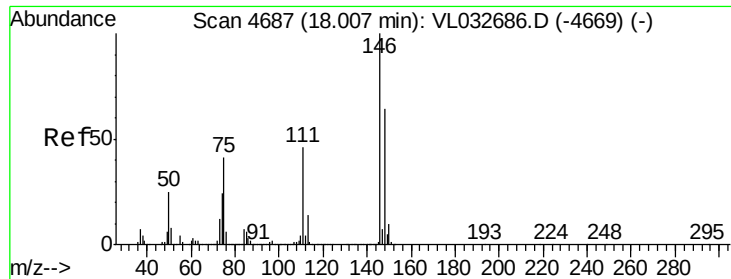
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#76
 1,4-Dichlorobenzene
 Concen: 10.501 ppbv
 RT: 17.33 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.7	71.1
148	64.8	32.1	96.3





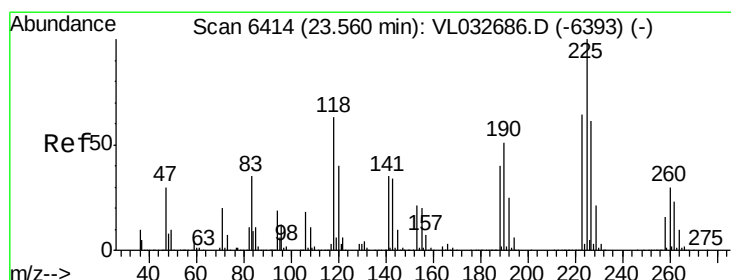
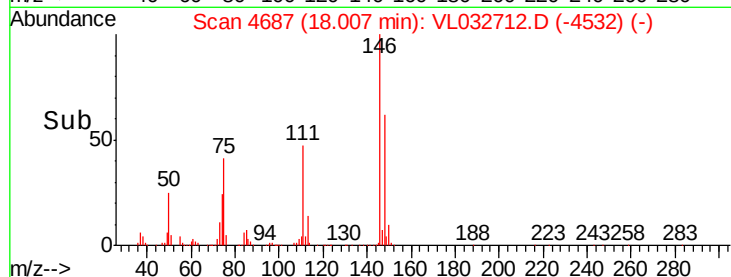
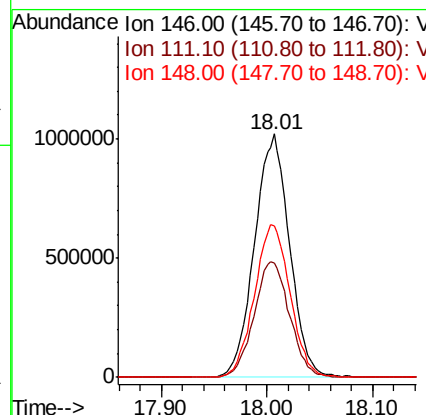
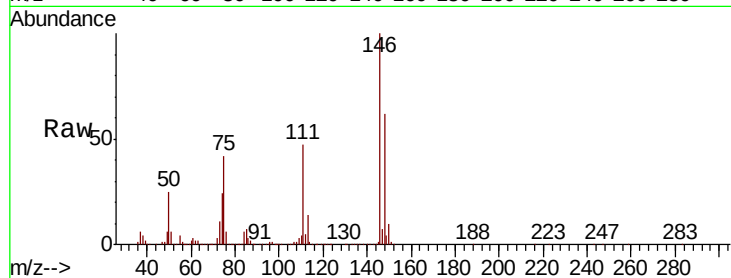
#77
 1,2-Dichlorobenzene
 Concen: 9.170 ppbv
 RT: 18.01 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	25.3	75.8
148	63.9	31.9	95.9

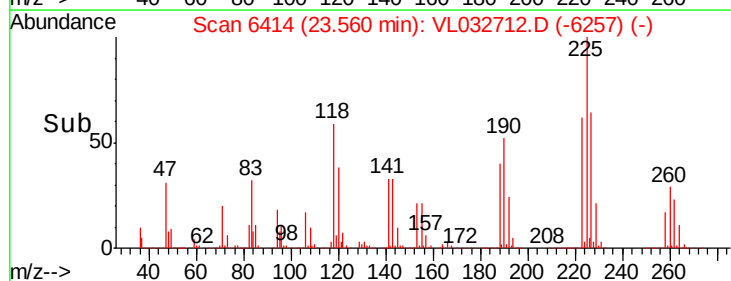
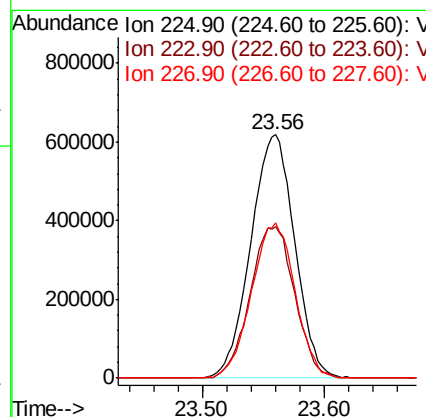
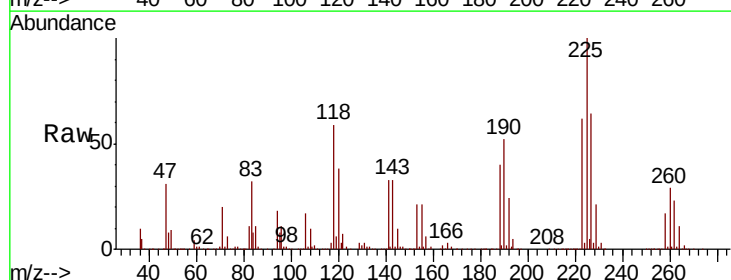
Manual Integrations
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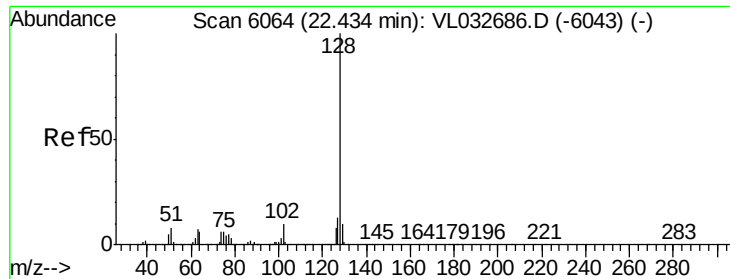
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#78
 Hexachloro-1,3-Butadiene
 Concen: 12.701 ppbv
 RT: 23.56 min Scan# 6414
 Delta R.T. 0.01 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.7	76.1
227	63.0	50.7	76.1





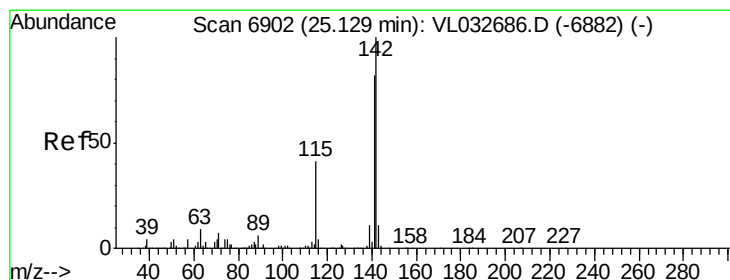
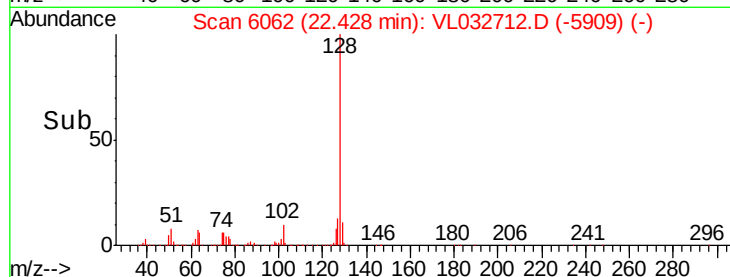
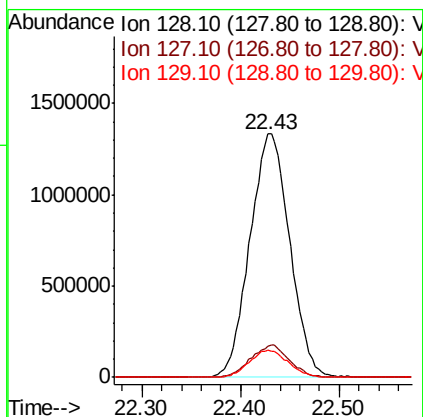
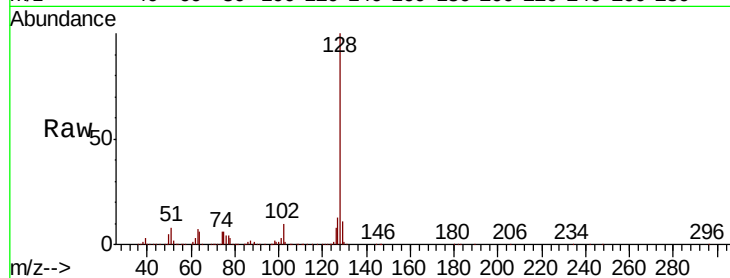
#79
Naphthalene
Concen: 12.638 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. -0.01 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	13.0

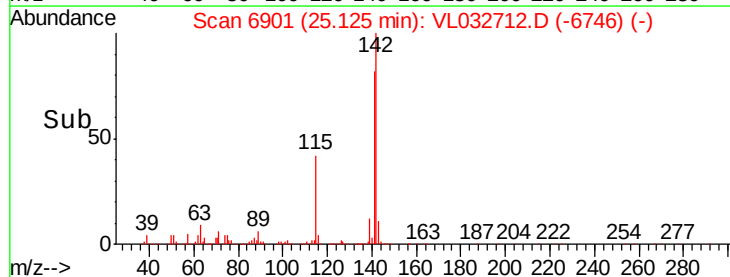
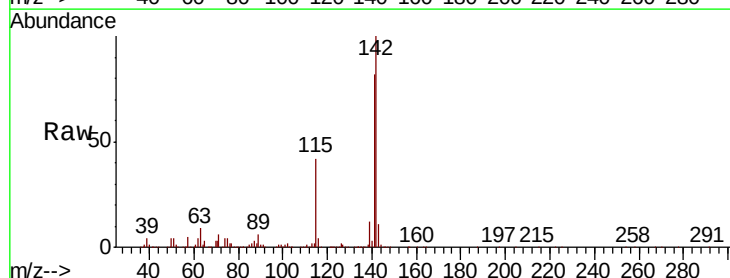
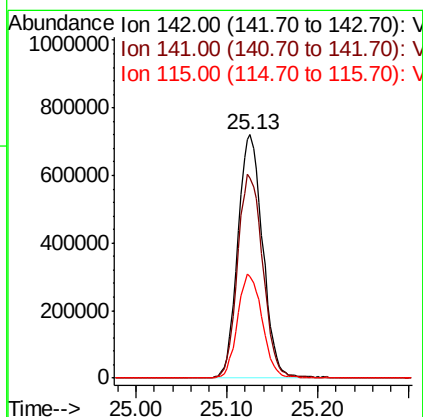
Manual Integrations
APPROVED

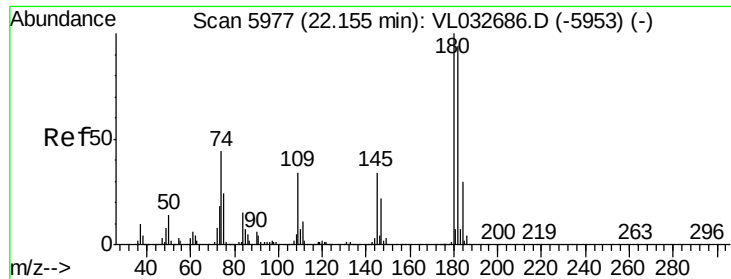
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11/12/2018 12:29:59 PM



#80
Naphthalene, 2-methyl-
Concen: 19.153 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	67.5	101.3
115	42.6	33.5	50.3





#81
 1,2,4-Trichlorobenzene
 Concen: 11.641 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.5	114.7
184	30.4	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 12:29:59 PM

