

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032686.D
 Acq On : 24 Oct 2018 14:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 3:39:32 PM

Quant Time: Oct 25 05:14:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 2018
 QLast Update : Fri Oct 19 01:25:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1506534	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3831087	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3697315m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2870609	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	1908907	12.436	ppbv	98
3) Chlorodifluoromethane	3.03	51	1133560	9.621	ppbv	99
4) Chloromethane	3.18	50	654672	9.943	ppbv	98
5) Vinyl Chloride	3.30	62	658015	9.227	ppbv	97
6) Bromomethane	3.53	94	426722	9.597	ppbv	94
7) Chloroethane	3.61	64	258277	9.835	ppbv	98
8) Dichlorotetrafluoroethane	3.23	85	1539042	9.513	ppbv	92
9) Propene	3.05	41	514669	10.615	ppbv	100
10) Heptane	8.26	43	1997141	10.689	ppbv	99
11) Trichlorofluoromethane	4.02	101	1710944	8.534	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1558748	9.349	ppbv	92
13) Ethanol	3.66	45	127456	9.197	ppbv	98
14) Bromoethene	3.80	108	545357	9.678	ppbv	100
15) Acetone	3.91	43	1142028	8.209	ppbv	99
16) 1,3-Butadiene	3.37	39	563128	11.004	ppbv	80
17) tert-Butyl alcohol	4.37	59	453996	11.096	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	788181	10.760	ppbv	95
19) Isopropyl Alcohol	4.04	45	816847	8.245	ppbv #	98
20) Methylene Chloride	4.42	84	672777	9.527	ppbv	97
21) Allyl Chloride	4.49	41	1269289	11.112	ppbv	100
22) trans-1,2-Dichloroethene	4.98	96	750919	9.995	ppbv	88
23) Vinyl Acetate	5.17	43	2561540	10.391	ppbv	99
24) 1,1-Dichloroethane	5.11	63	1869448	9.660	ppbv	99
25) Ethyl Acetate	5.79	43	3161166	9.872	ppbv	100
26) Hexane	5.80	57	1502290	9.915	ppbv	98
27) Carbon Disulfide	4.63	76	1715150	9.332	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	2313635	10.625	ppbv	100
29) Chloroform	5.87	83	2409409	9.956	ppbv	100
30) Cyclohexane	7.26	84	1335124	11.133	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1480366	10.538	ppbv	99
32) 1,1,1-Trichloroethane	6.64	97	2391767	9.725	ppbv	98
34) 2-Butanone	5.34	43	2101279	10.232	ppbv	100
35) Carbon Tetrachloride	7.15	117	2580855	9.492	ppbv	100
36) Benzene	7.02	78	3195975	10.273	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1816258	9.518	ppbv	97
38) Trichloroethene	7.98	130	1221691	10.608	ppbv	97
39) 1,2-Dichloropropane	7.75	63	1208709	10.061	ppbv	98
40) 1,4-Dioxane	7.98	88	426001	10.383	ppbv #	99
41) Tetrahydrofuran	6.16	42	1265130	11.055	ppbv	99
42) Bromodichloromethane	7.94	83	2608031	9.755	ppbv	99
43) Methyl Methacrylate	8.16	69	1272514	11.161	ppbv	97

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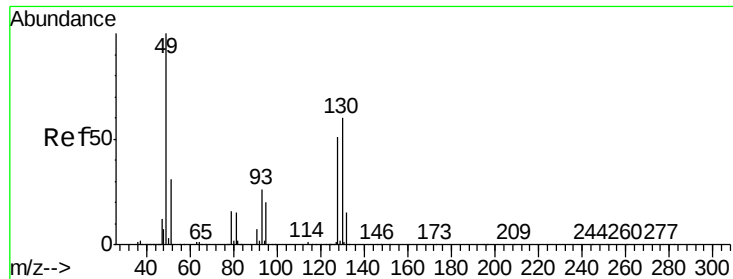
Manual Integrations
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 10/26/2018 3:39:32 PM

Quant Time: Oct 25 05:14:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Oct 19 01:25:37 2018
 QLast Update : Fri Oct 19 01:25:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5356444	10.086	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1811386	11.869	ppbv	99
46) cis-1,3-Dichloropropene	8.86	75	1992268	11.425	ppbv	99
47) 1,1,2-Trichloroethane	9.64	97	1421443	10.013	ppbv	98
48) Dibromochloromethane	10.47	129	2256782	9.538	ppbv	99
49) Bromoform	13.22	173	1943113	10.450	ppbv	100
50) 4-Methyl-2-Pentanone	8.89	43	3372143	11.083	ppbv	99
51) 2-Hexanone	10.29	43	2366455	10.463	ppbv #	98
52) Tetrachloroethene	11.39	164	1097955	10.123	ppbv	96
53) Toluene	9.97	91	3986403	11.178	ppbv	99
54) 1,2-Dibromoethane	10.78	107	1995823	10.344	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1617903	10.007	ppbv	99
57) Chlorobenzene	12.32	112	2757732	10.142	ppbv	94
58) Ethyl Benzene	12.88	91	4907271	11.425	ppbv	99
59) m/p-Xylene	13.17	91	8169101m	21.357	ppbv	
60) o-Xylene	13.87	91	3925282	10.639	ppbv	99
61) Styrene	13.70	104	3042051	12.297	ppbv	98
62) Isopropylbenzene	14.85	105	5559642	10.647	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2755672	9.532	ppbv	99
64) n-propylbenzene	15.74	120	1414472	10.899	ppbv	95
65) tert-Butylbenzene	16.93	119	4776219	10.740	ppbv	95
66) Benzyl Chloride	17.17	91	2822333	12.291	ppbv	99
67) sec-Butylbenzene	17.48	105	6747055	10.667	ppbv	99
69) p-Isopropyltoluene	17.84	119	5478389	10.930	ppbv	98
70) n-Butylbenzene	18.73	91	5621513	10.894	ppbv	99
71) 2-Chlorotoluene	15.64	91	4101871	11.053	ppbv	98
72) 4-Ethyltoluene	16.02	105	4504910	11.464	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	4249721	11.103	ppbv	99
74) 1,2,4-Trimethylbenzene	16.95	105	4313108	10.552	ppbv	93
75) 1,3-Dichlorobenzene	17.19	146	2387209	10.156	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2334519	10.763	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2300430	10.330	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	1410948	13.410	ppbv	100
79) Naphthalene	22.43	128	3653055	14.379	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	1212932	19.633	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1823333	13.857	ppbv	99

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



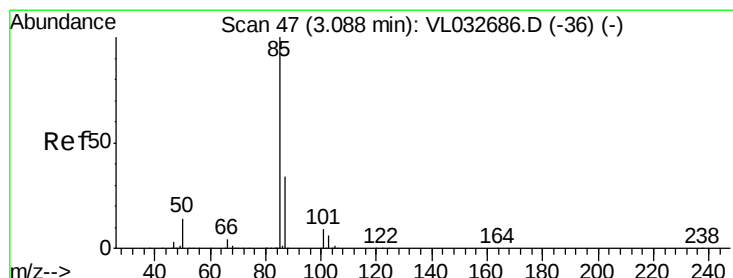
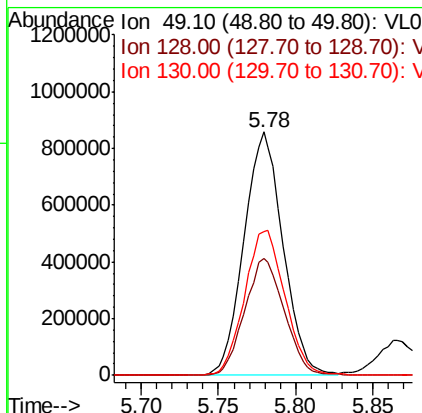
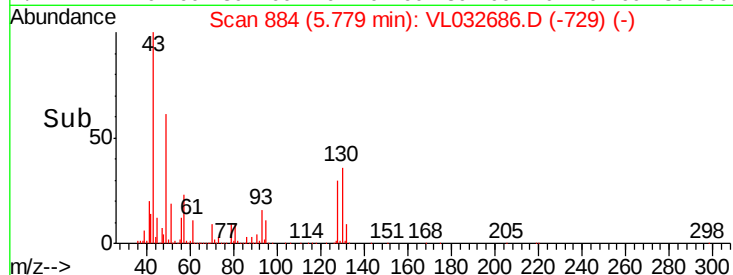
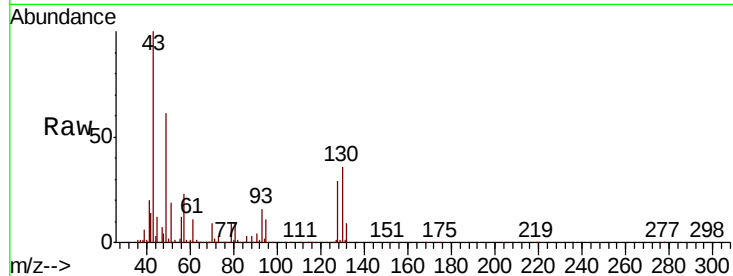
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.78 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
49	100		
128	49.1	22.3	66.8
130	62.2	28.4	85.3

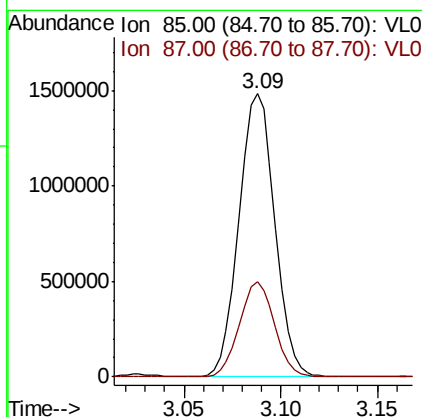
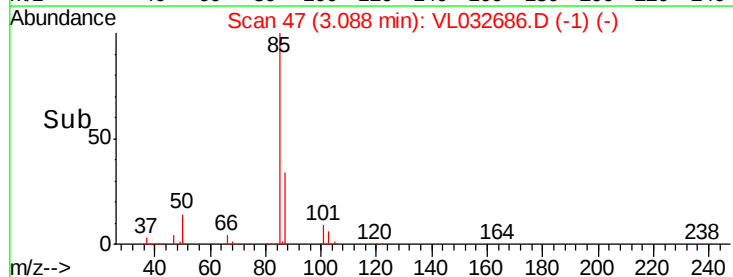
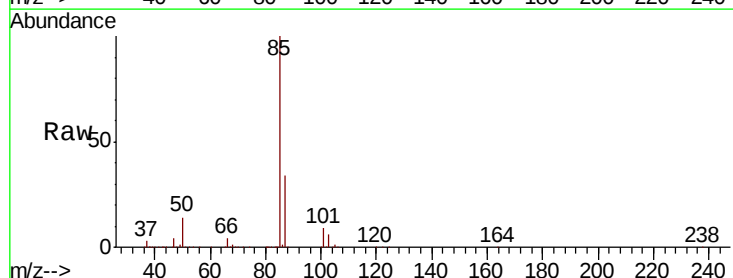
Manual Integrations
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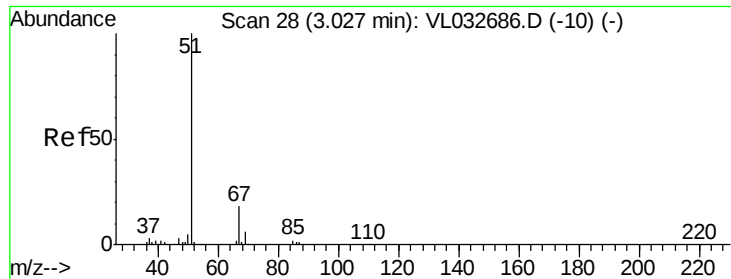
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#2
 Dichlorodifluoromethane
 Concen: 12.436 ppbv
 RT: 3.09 min Scan# 47
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.2	39.2





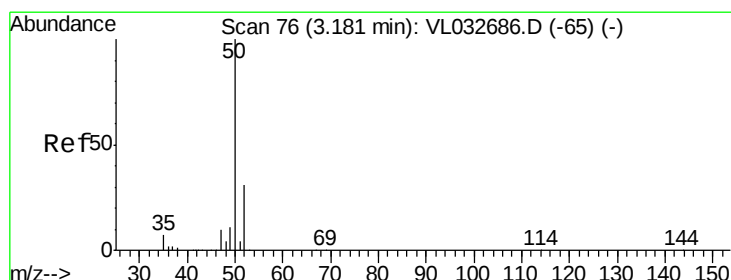
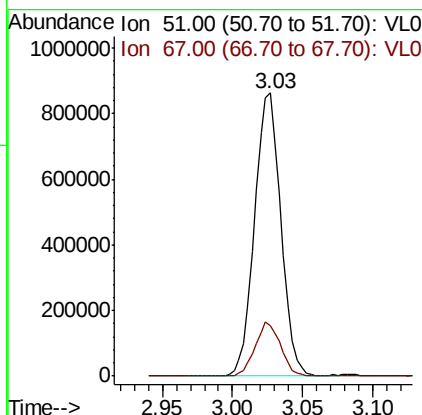
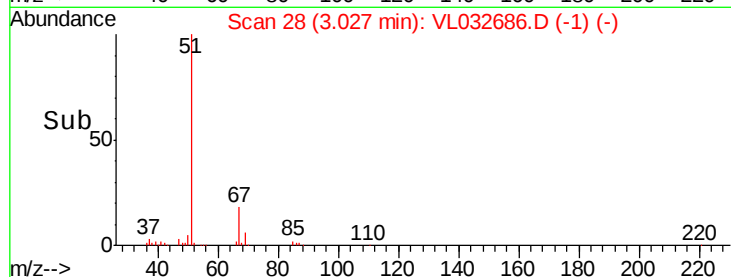
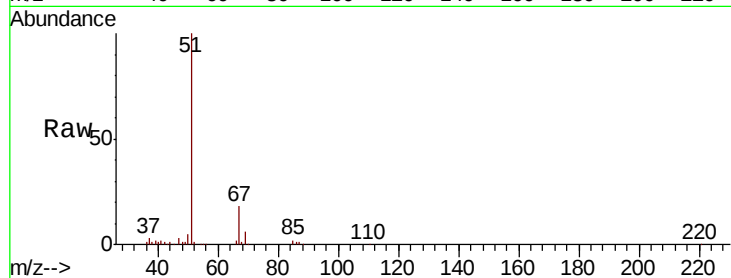
#3
Chlorodifluoromethane
Concen: 9.621 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1133560
Ion Ratio Lower Upper
51 100
67 18.4 15.2 22.8

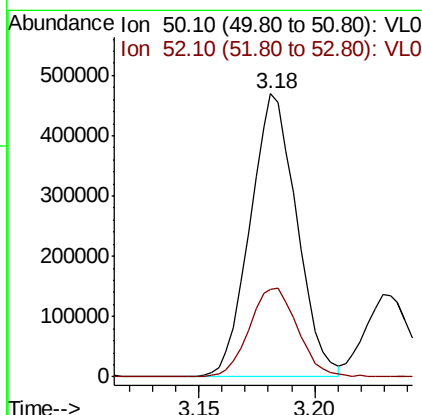
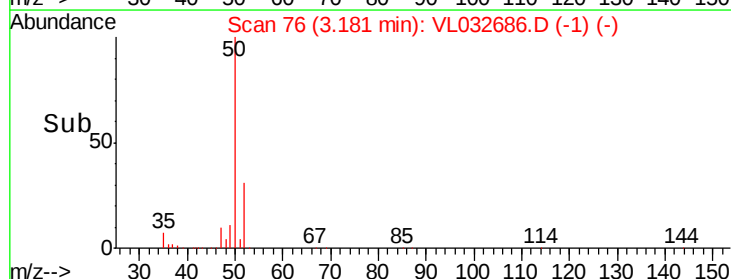
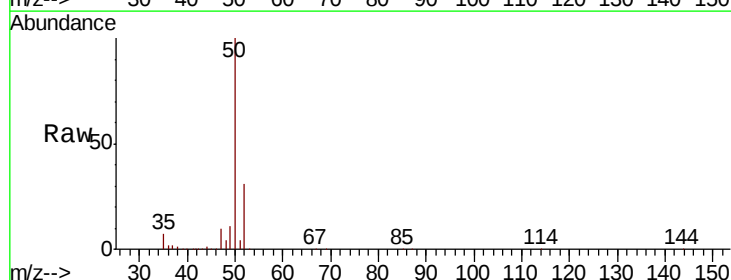
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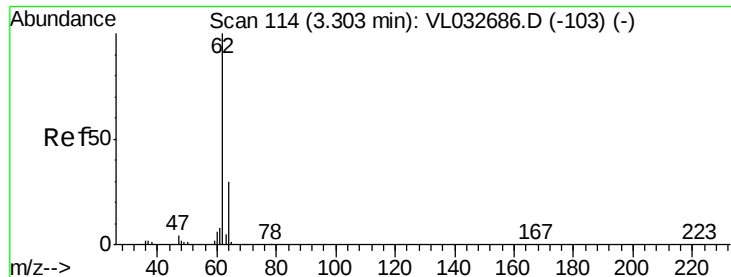
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#4
Chloromethane
Concen: 9.943 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 50 Resp: 654672
Ion Ratio Lower Upper
50 100
52 31.0 25.9 38.9





#5

Vinyl Chloride

Concen: 9.227 ppbv

RT: 3.30 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 658015

Ion Ratio Lower Upper

62 100

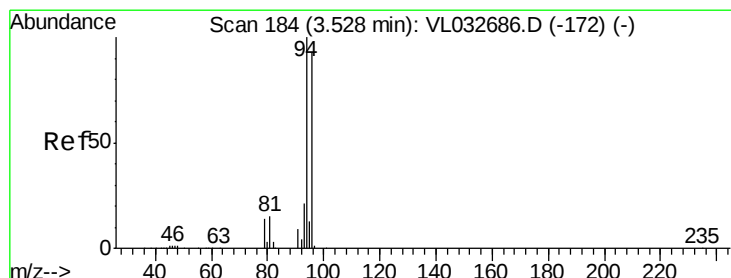
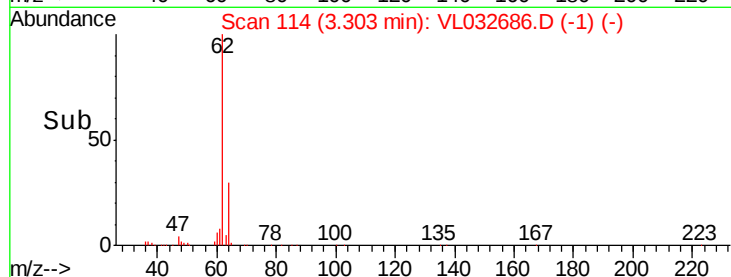
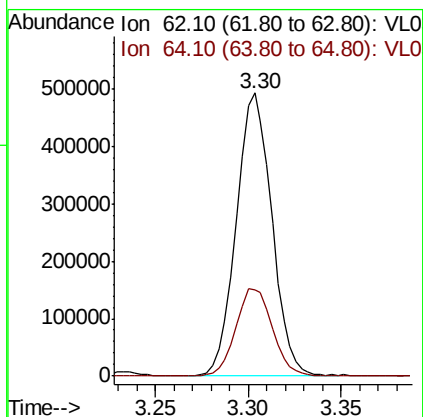
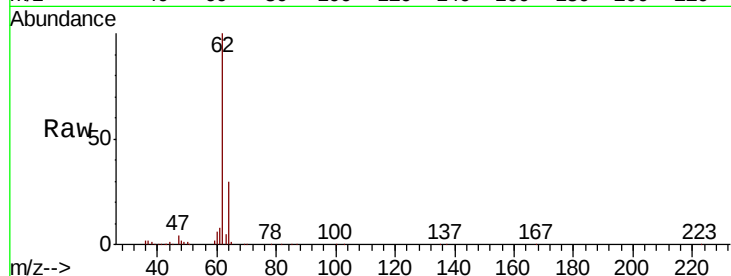
64 30.5 25.5 38.3

Manual Integrations

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#6

Bromomethane

Concen: 9.597 ppbv

RT: 3.53 min Scan# 184

Delta R.T. 0.01 min

Lab File: VL032686.D

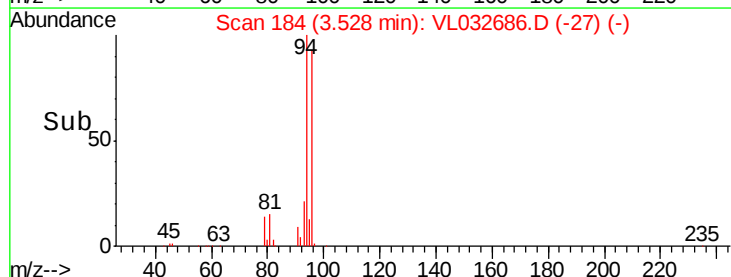
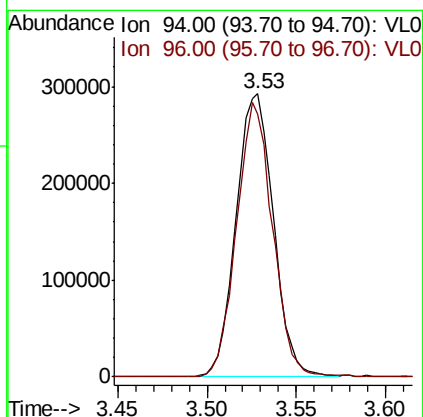
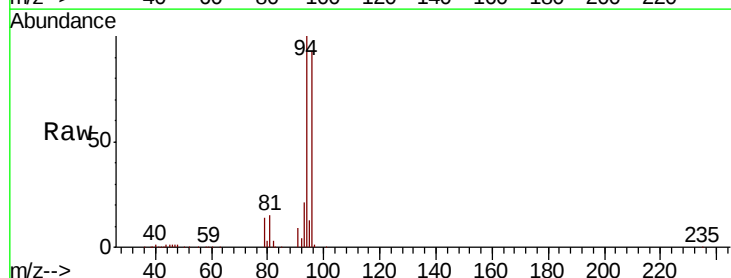
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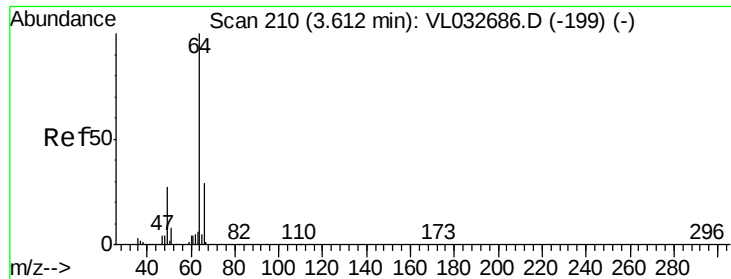
Tgt Ion: 94 Resp: 426722

Ion Ratio Lower Upper

94 100

96 92.7 69.8 104.8





#7

Chloroethane

Concen: 9.835 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 258277

Ion Ratio Lower Upper

64 100

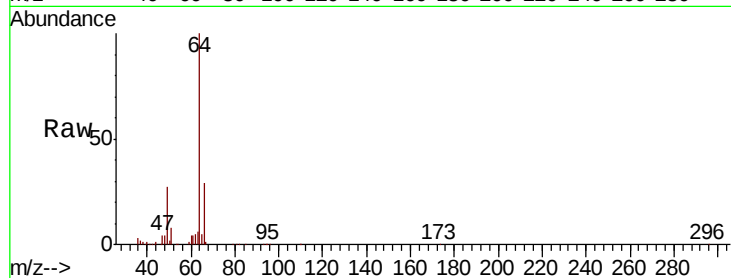
66 29.5 24.4 36.6

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.61

200000

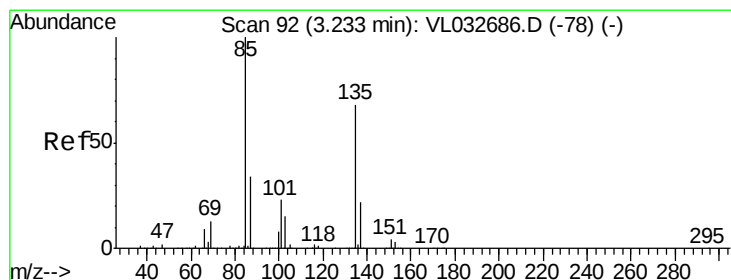
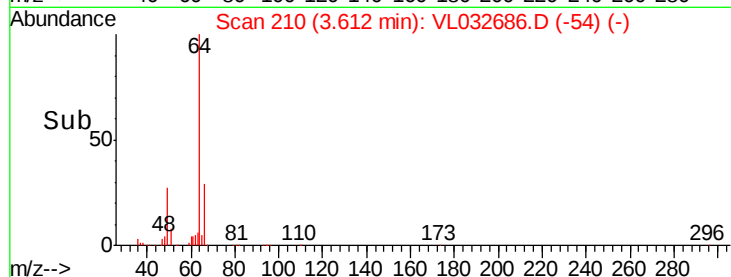
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.513 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032686.D

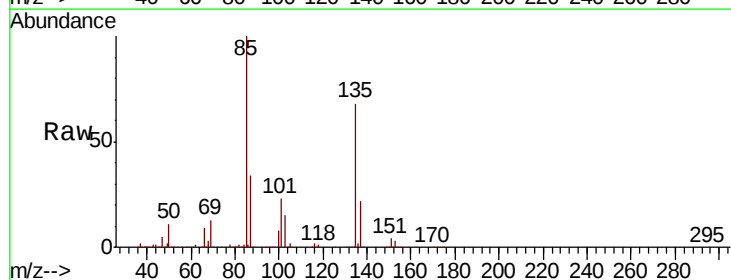
Acq: 24 Oct 2018 14:02

Tgt Ion: 85 Resp: 1539042

Ion Ratio Lower Upper

85 100

135 67.0 49.0 73.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

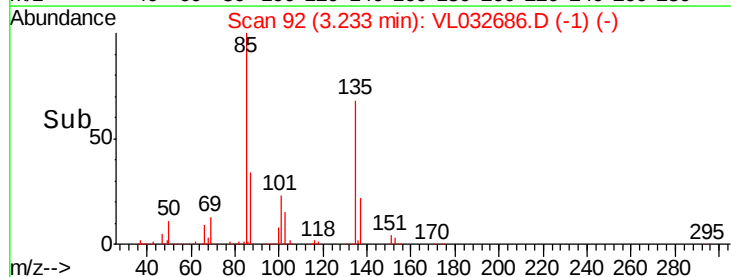
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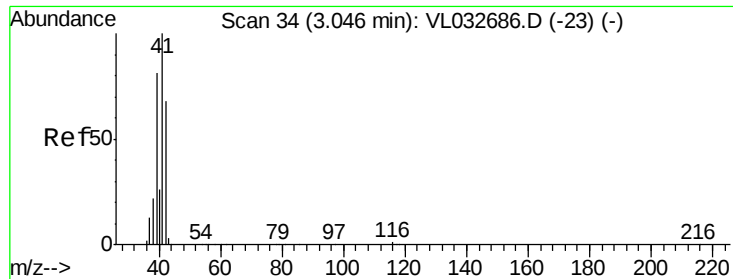
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Time-->





#9

Propene

Concen: 10.615 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 514669

Ion Ratio Lower Upper

41 100

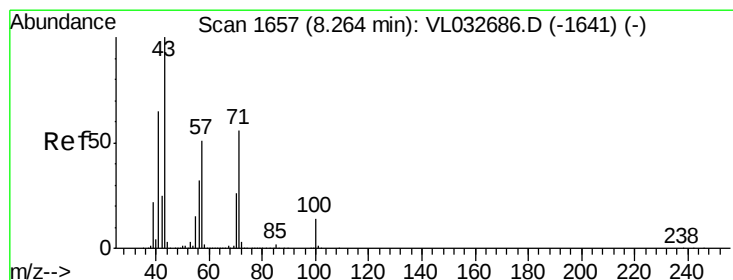
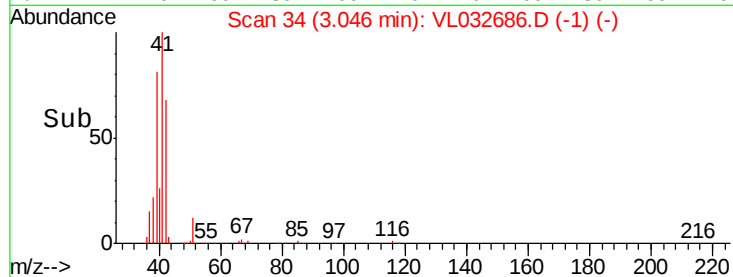
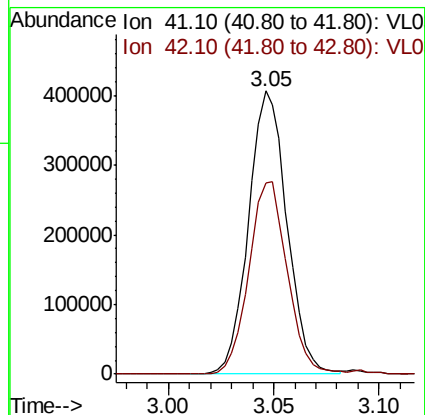
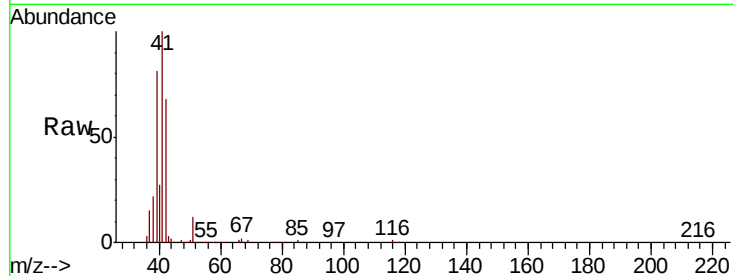
42 69.0 55.4 83.0

Manual Integrations

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#10

Heptane

Concen: 10.689 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL032686.D

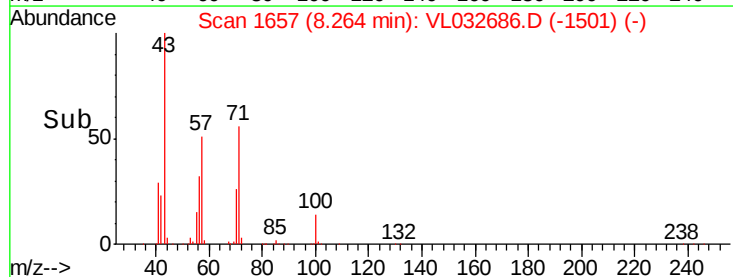
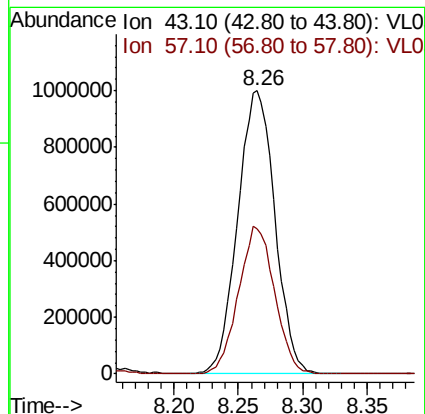
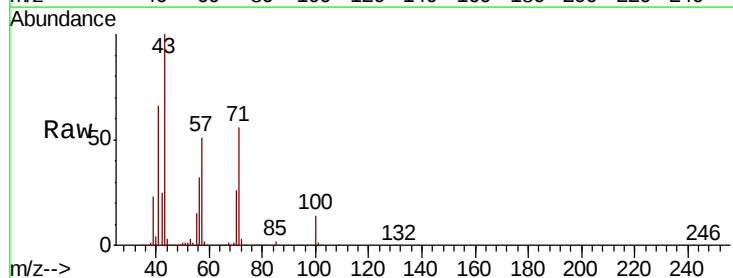
Acq: 24 Oct 2018 14:02

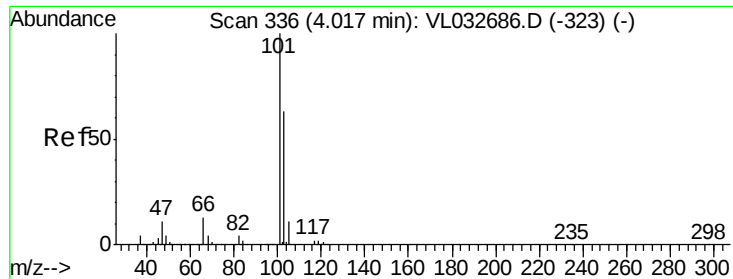
Tgt Ion: 43 Resp: 1997141

Ion Ratio Lower Upper

43 100

57 51.0 41.5 62.3





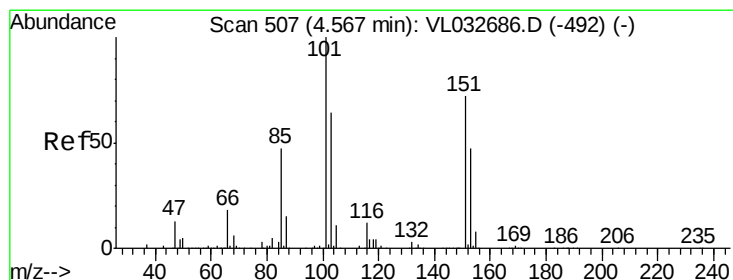
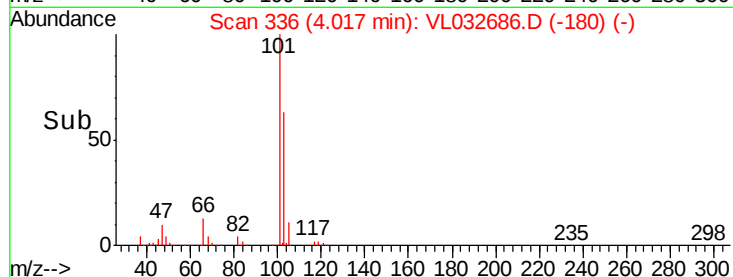
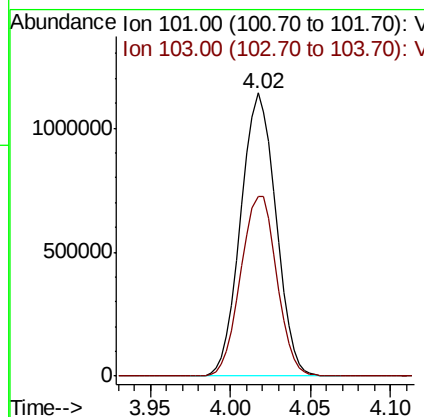
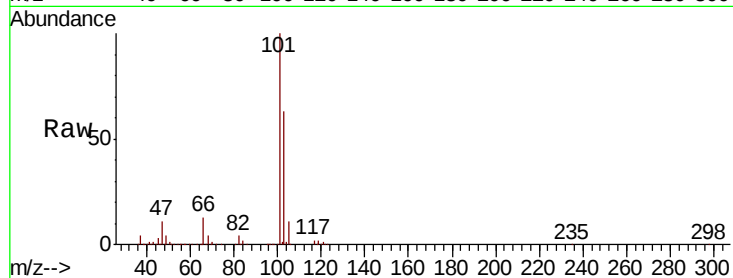
#11
 Trichlorofluoromethane
 Concen: 8.534 ppbv
 RT: 4.02 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 1710944
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.4 77.2

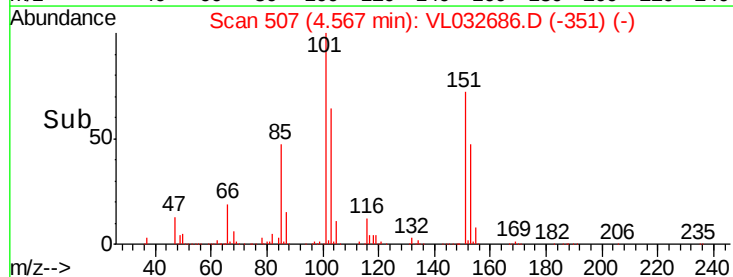
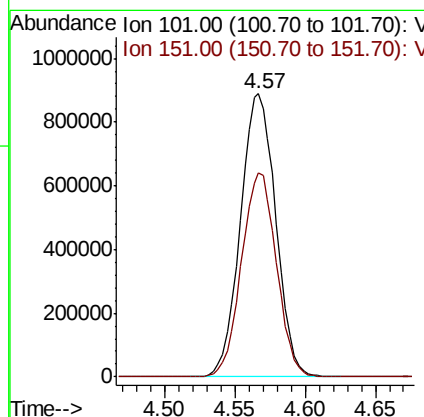
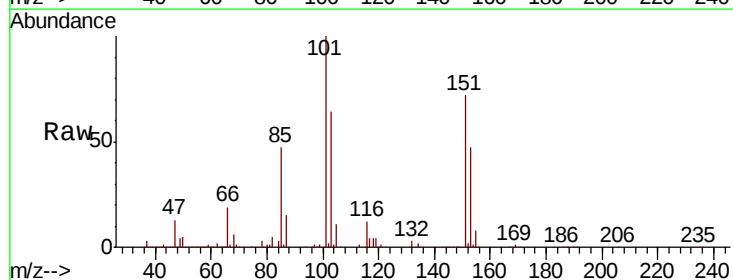
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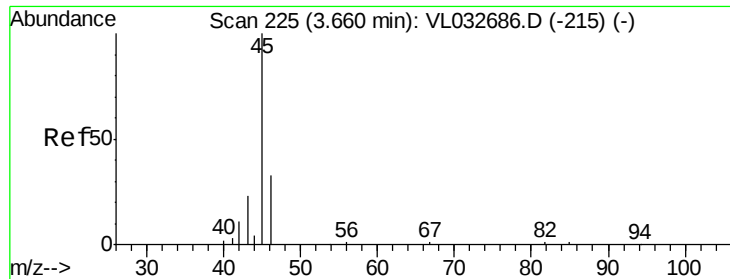
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.349 ppbv
 RT: 4.57 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion:101 Resp: 1558748
 Ion Ratio Lower Upper
 101 100
 151 71.5 52.3 78.5





#13

Ethanol

Concen: 9.197 ppbv

RT: 3.66 min Scan# 225

Delta R.T. -0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 127456

Ion Ratio Lower Upper

45 100

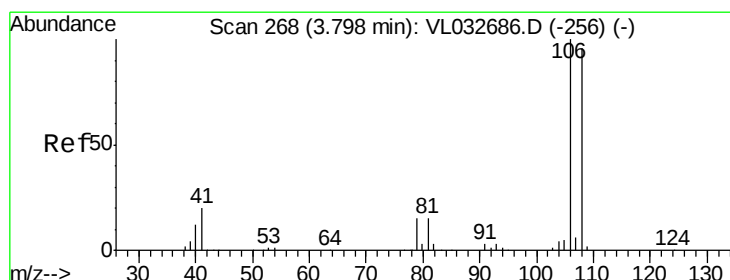
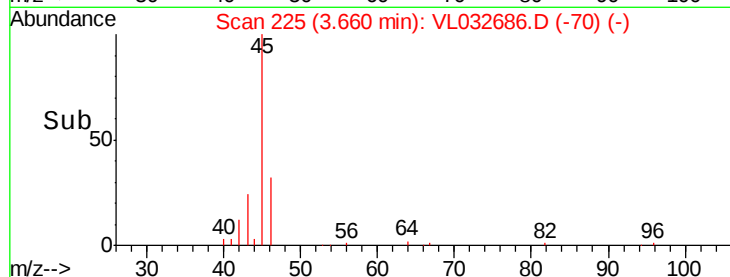
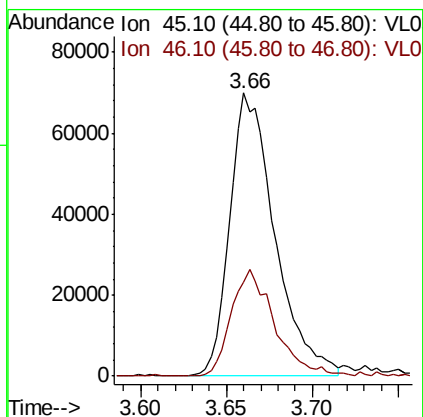
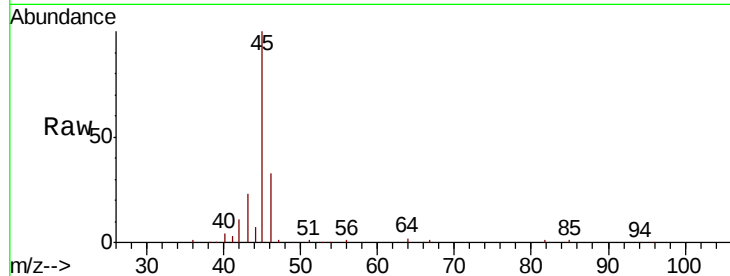
46 37.1 15.4 61.8

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#14

Bromoethene

Concen: 9.678 ppbv

RT: 3.80 min Scan# 268

Delta R.T. -0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

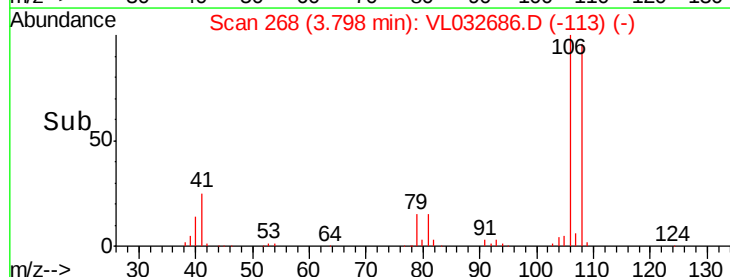
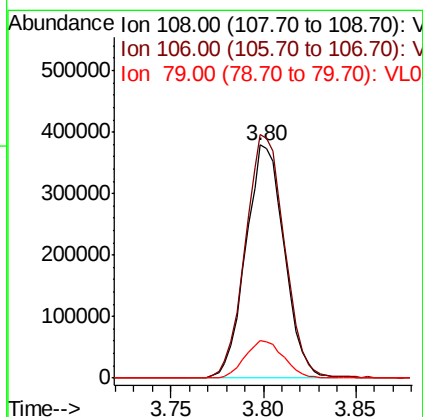
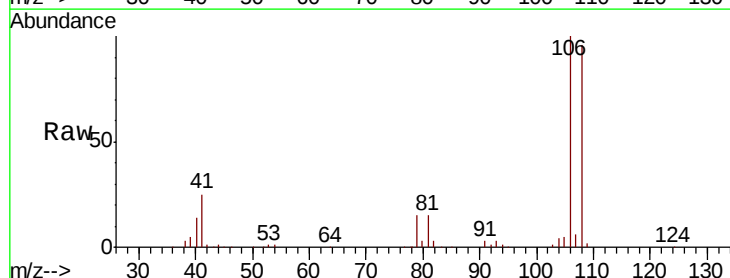
Tgt Ion: 108 Resp: 545357

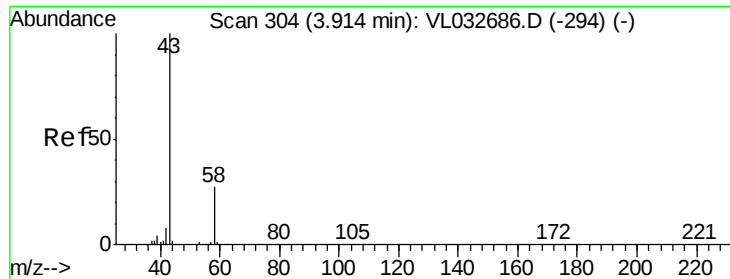
Ion Ratio Lower Upper

108 100

106 106.5 85.0 127.4

79 16.5 13.7 20.5





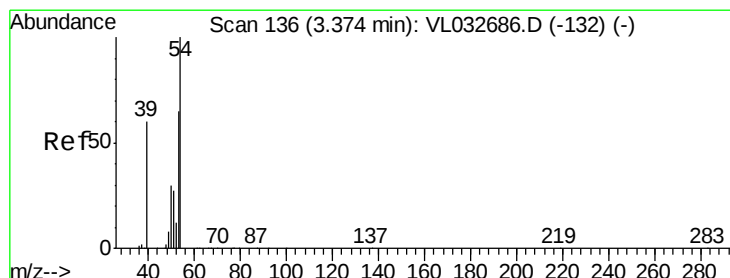
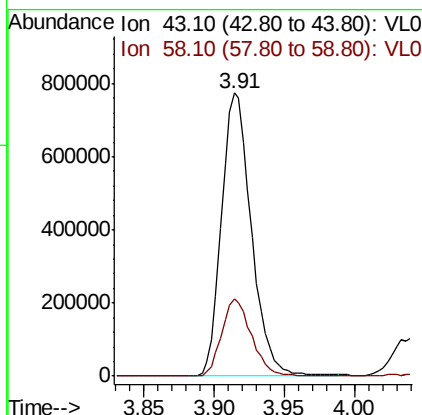
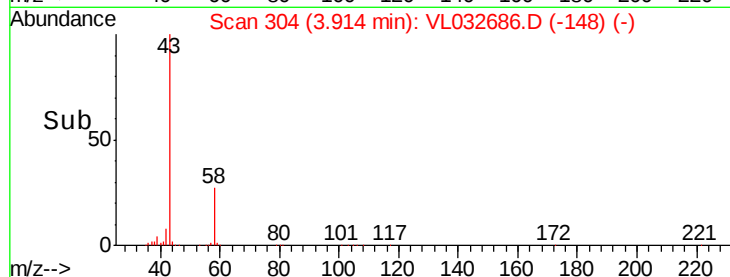
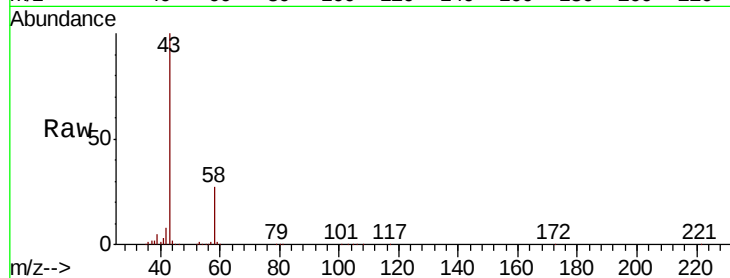
#15
Acetone
Concen: 8.209 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1142028
Ion Ratio Lower Upper
43 100
58 27.3 22.1 33.1

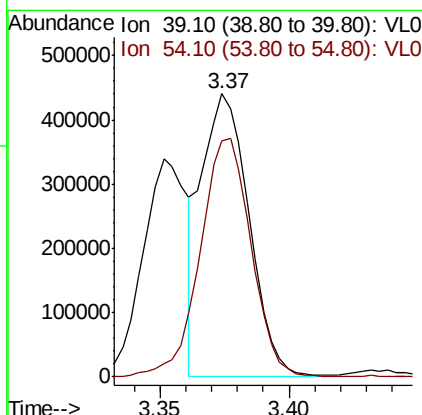
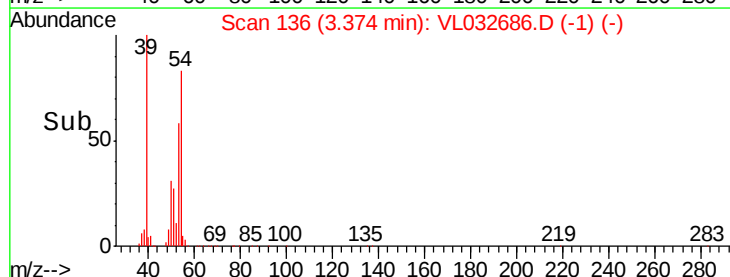
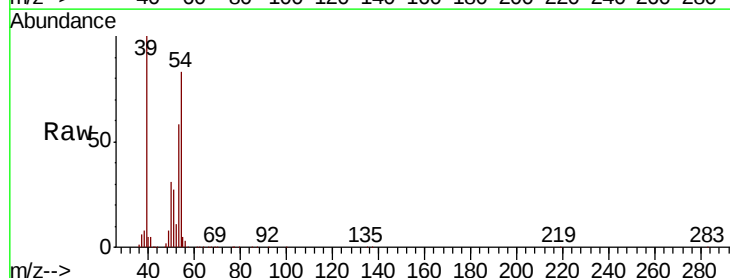
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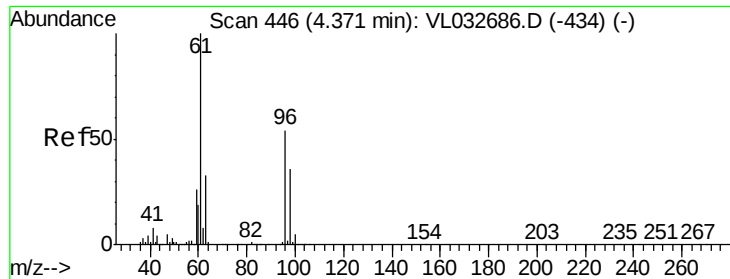
MMDadoda
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#16
1,3-Butadiene
Concen: 11.004 ppbv
RT: 3.37 min Scan# 136
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 39 Resp: 563128
Ion Ratio Lower Upper
39 100
54 91.1 90.4 135.6





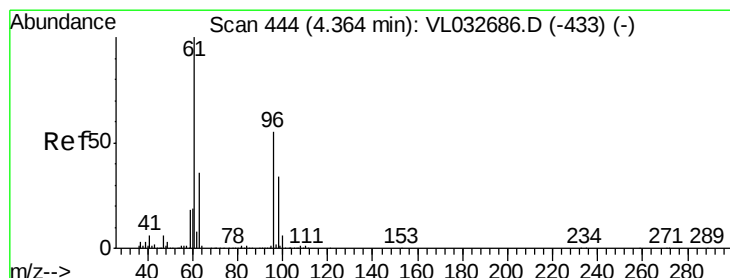
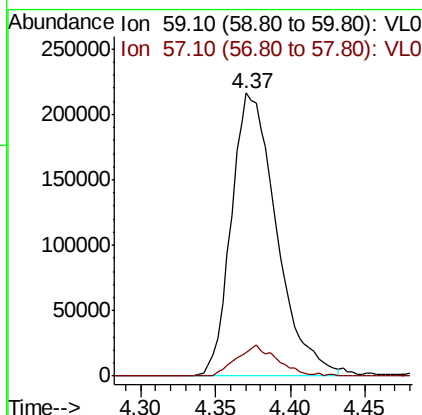
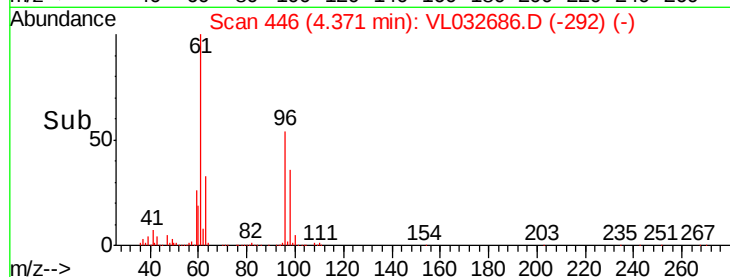
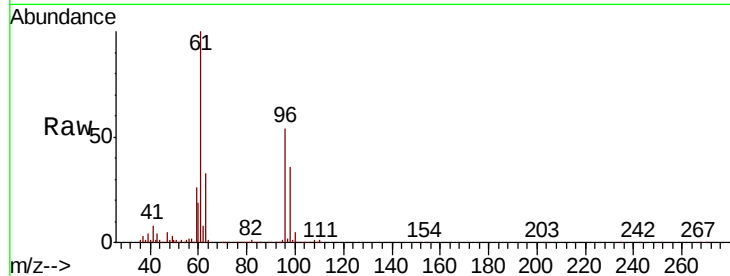
#17
tert-Butyl alcohol
Concen: 11.096 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 453996
Ion Ratio Lower Upper
59 100
57 10.3 0.0 0.0#

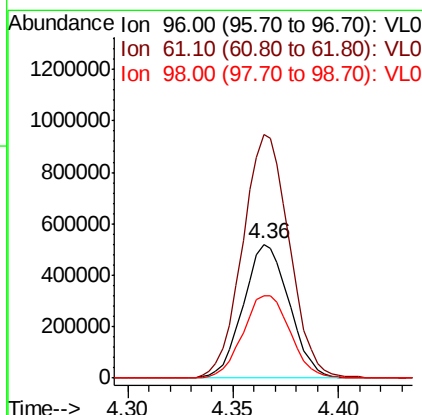
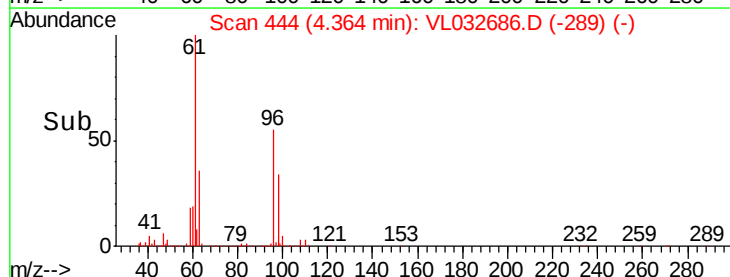
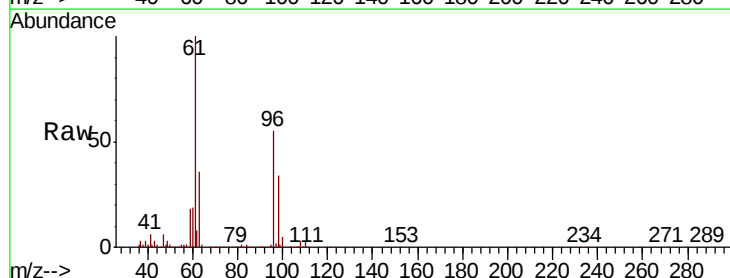
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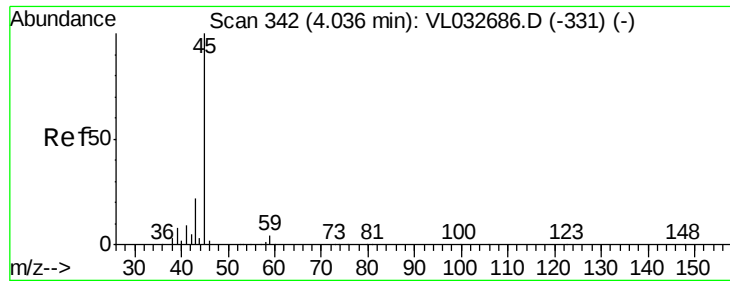
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#18
1,1-Dichloroethene
Concen: 10.760 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 96 Resp: 788181
Ion Ratio Lower Upper
96 100
61 181.7 151.6 227.4
98 61.0 50.6 75.8





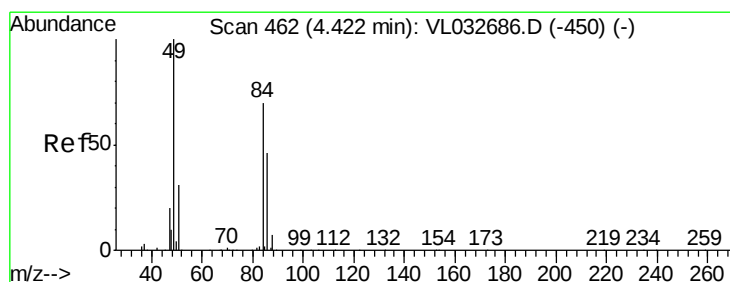
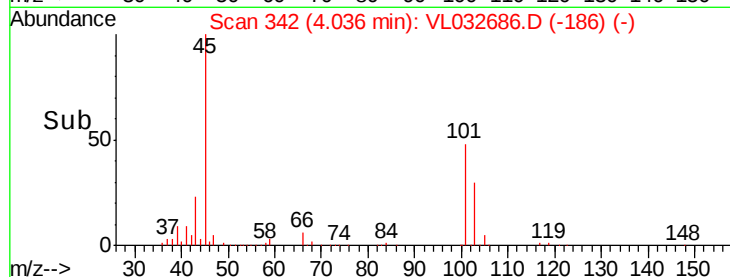
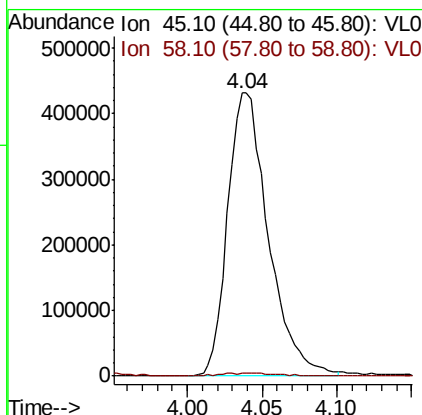
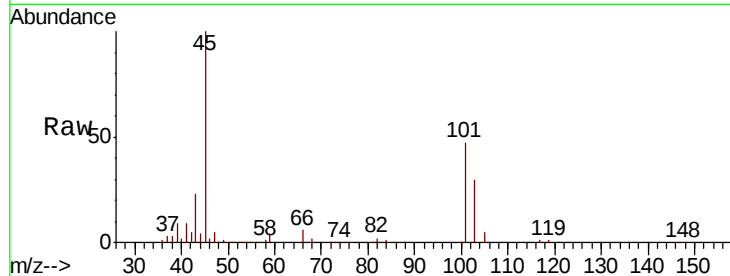
#19
Isopropyl Alcohol
Concen: 8.245 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 816847
Ion Ratio Lower Upper
45 100
58 1.7 2.0 3.0#

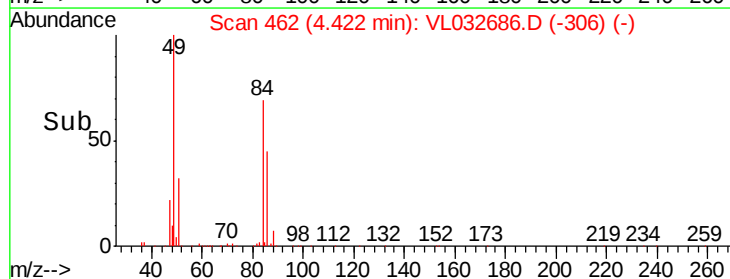
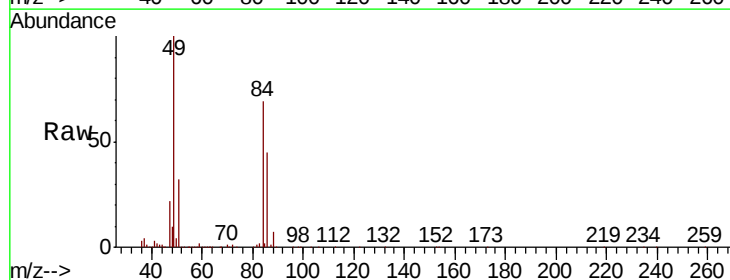
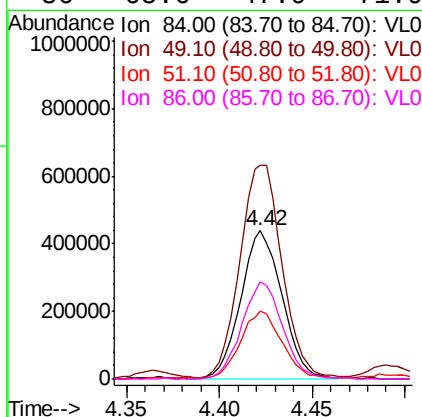
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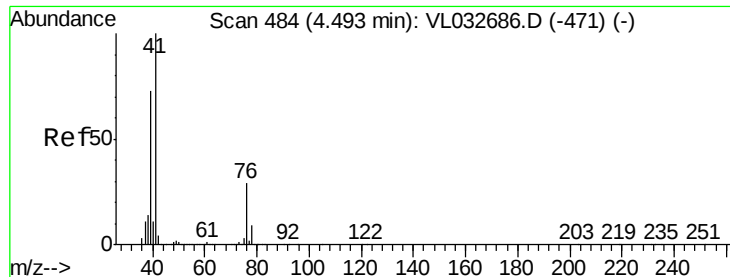
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#20
Methylene Chloride
Concen: 9.527 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 84 Resp: 672777
Ion Ratio Lower Upper
84 100
49 143.2 113.5 170.3
51 45.0 34.8 52.2
86 65.6 47.9 71.9





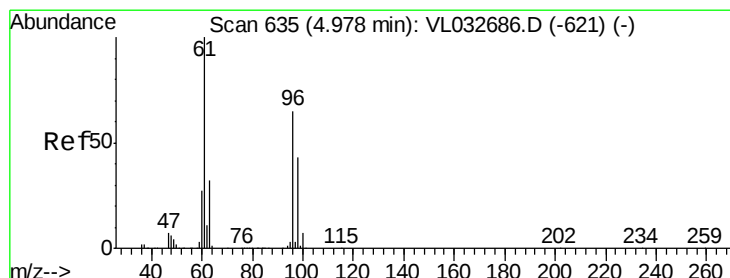
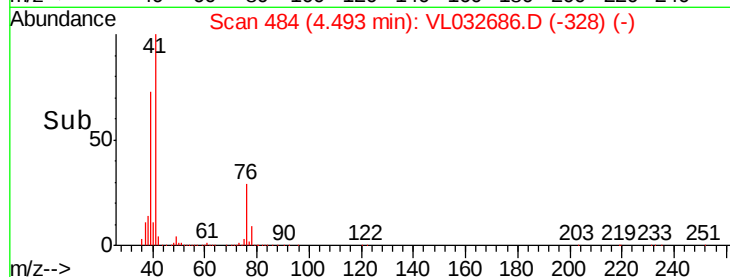
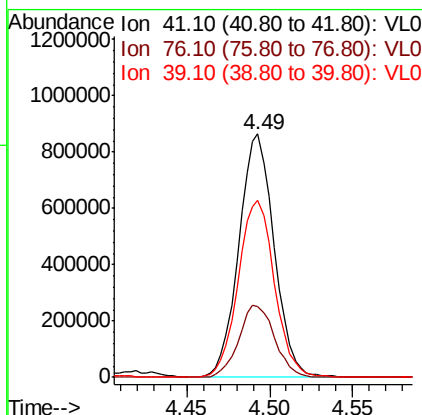
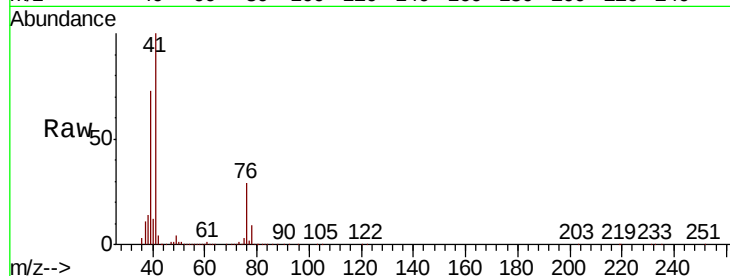
#21
 Allyl Chloride
 Concen: 11.112 ppbv
 RT: 4.49 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 1269289
 Ion Ratio Lower Upper
 41 100
 76 30.6 24.3 36.5
 39 75.0 60.3 90.5

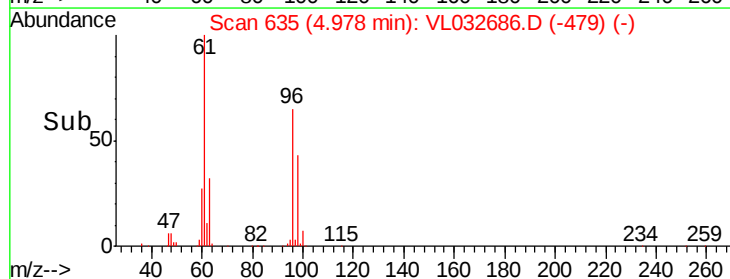
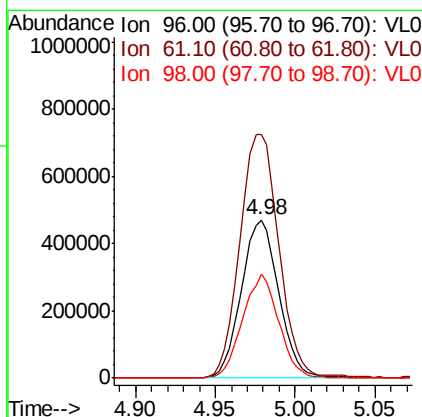
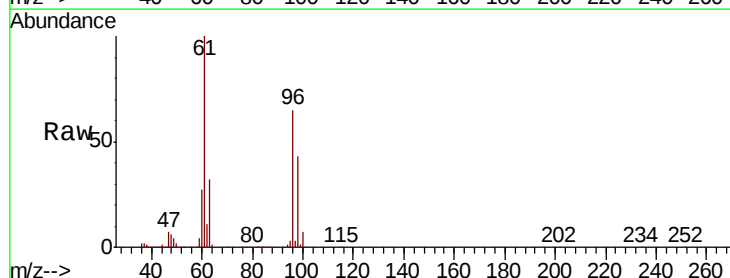
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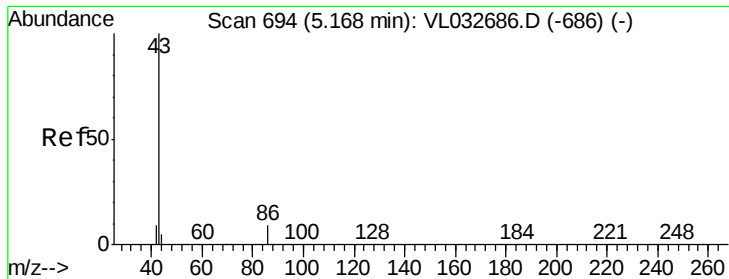
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#22
 trans-1,2-Dichloroethene
 Concen: 9.995 ppbv
 RT: 4.98 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion: 96 Resp: 750919
 Ion Ratio Lower Upper
 96 100
 61 153.5 140.4 210.6
 98 66.1 55.0 82.6





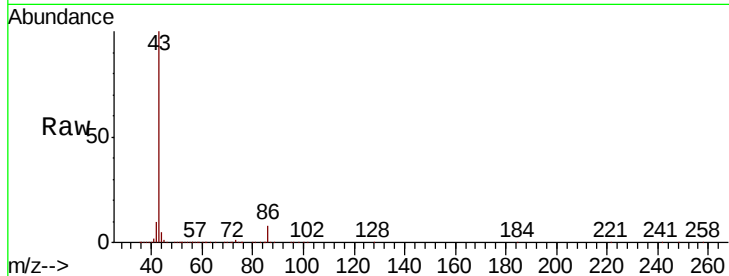
#23
 Vinyl Acetate
 Concen: 10.391 ppbv
 RT: 5.17 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

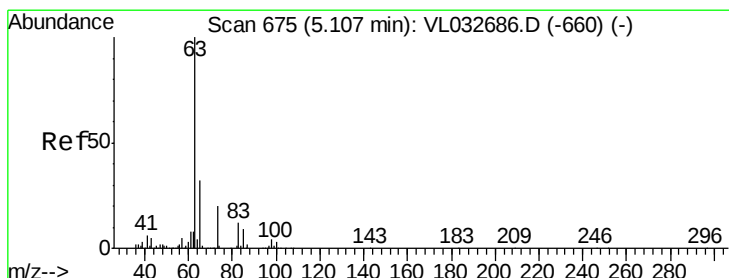
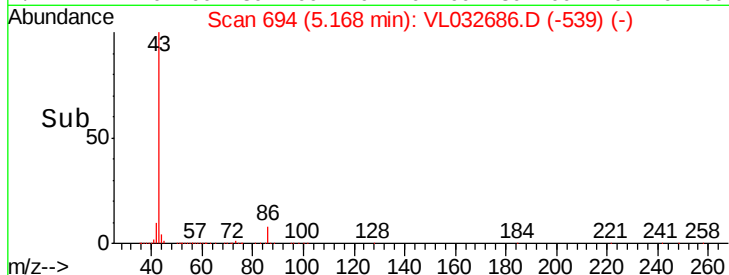
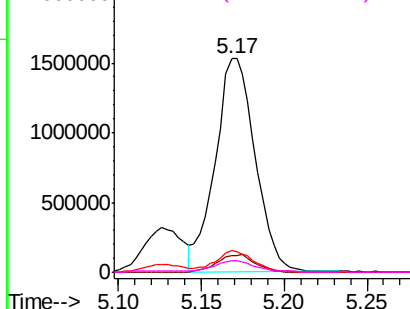
Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.1	9.1
42	9.8	7.4	11.2
44	4.9	4.2	6.2

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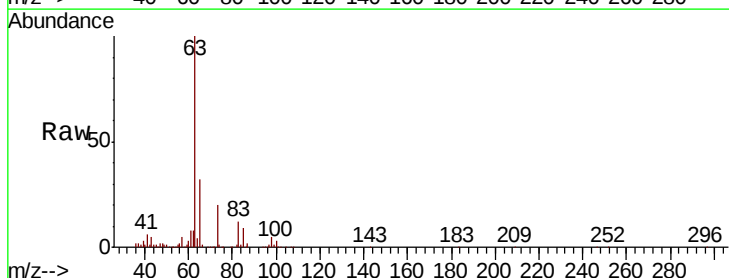


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

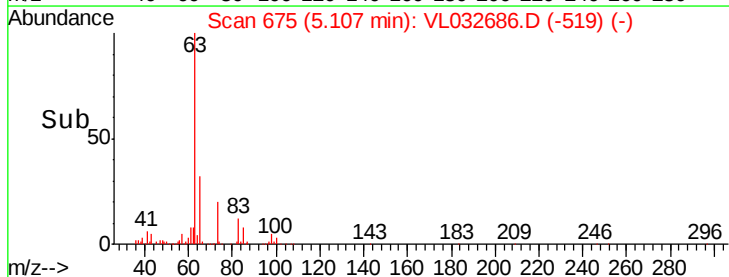
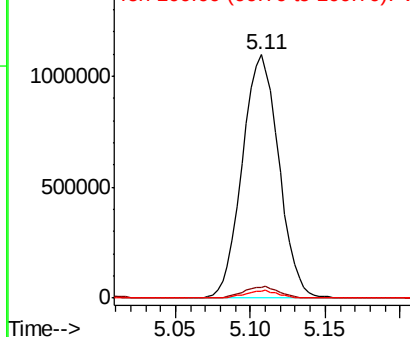


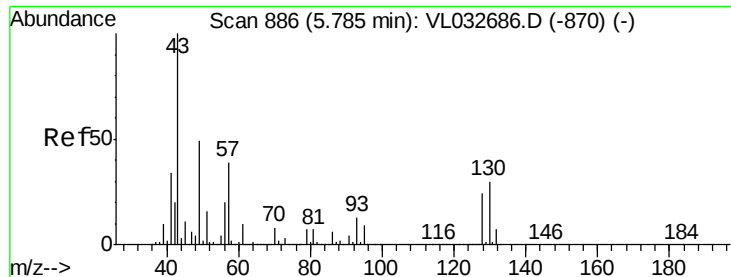
#24
 1,1-Dichloroethane
 Concen: 9.660 ppbv
 RT: 5.11 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.3
100	3.1	1.2	3.6



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





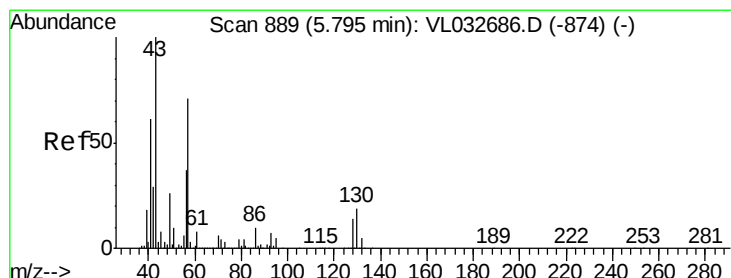
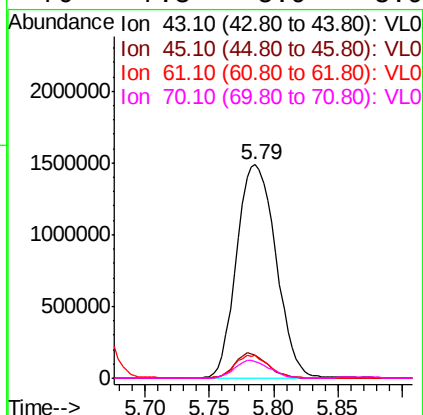
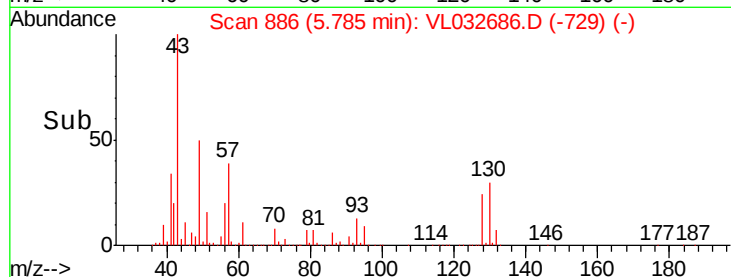
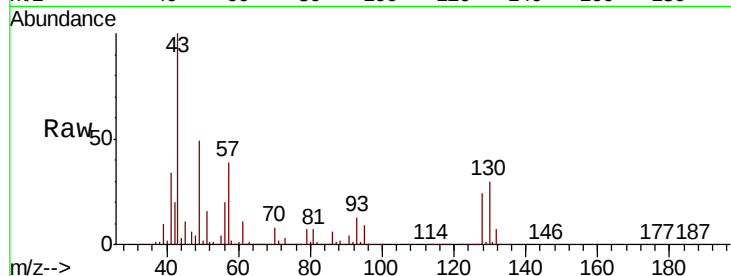
#25
Ethyl Acetate
Concen: 9.872 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	8.0	12.0	
61	9.6	8.0	12.0	
70	7.3	5.9	8.9	

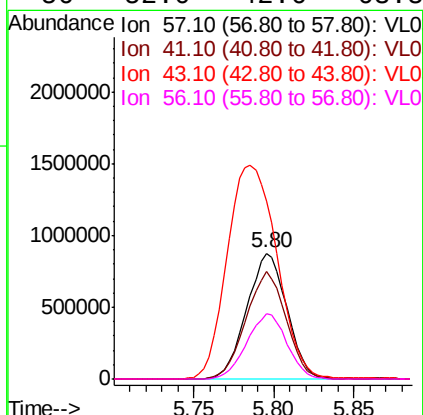
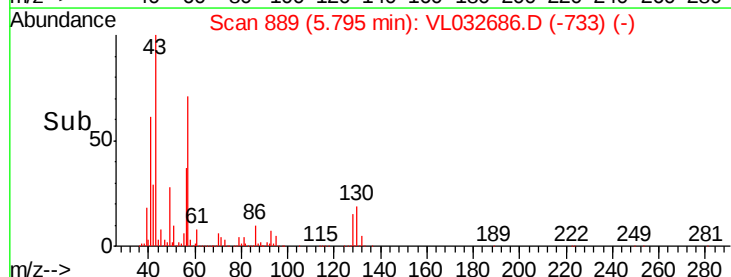
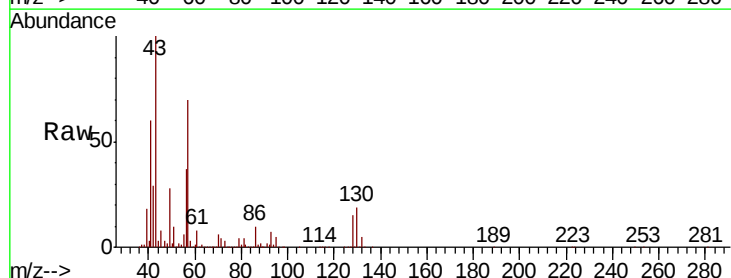
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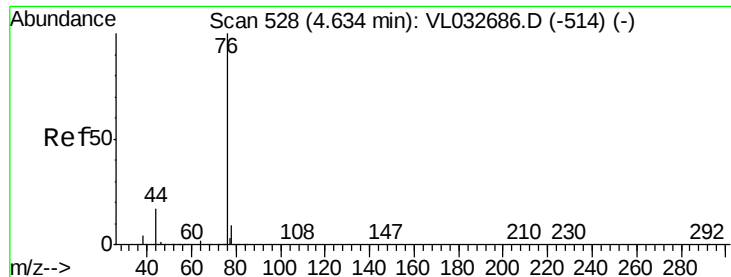
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#26
Hexane
Concen: 9.915 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	85.5	67.4	101.0	
43	211.5	171.9	257.9	
56	52.0	42.6	63.8	





#27

Carbon Disulfide

Concen: 9.332 ppbv

RT: 4.63 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 1715150

Ion Ratio Lower Upper

76 100

44 17.0 13.7 20.5

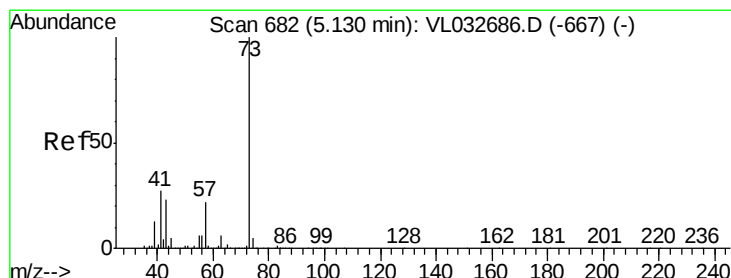
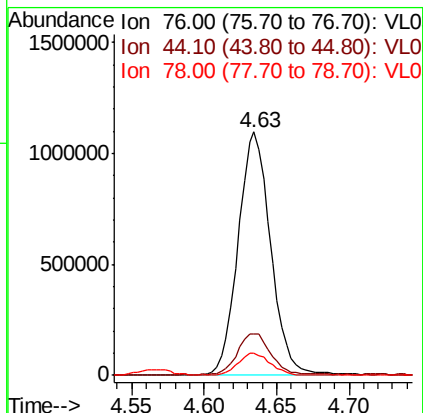
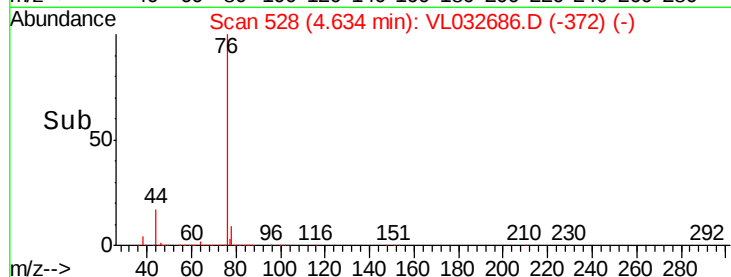
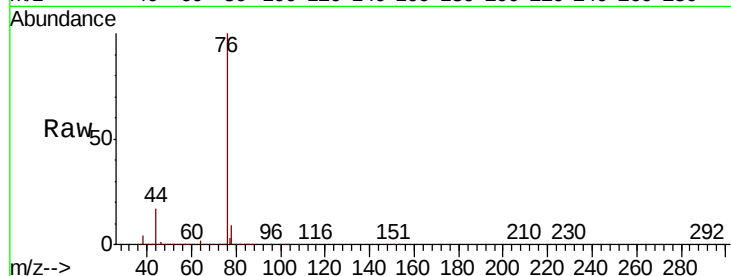
78 9.2 7.4 11.2

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.625 ppbv

RT: 5.13 min Scan# 682

Delta R.T. 0.00 min

Lab File: VL032686.D

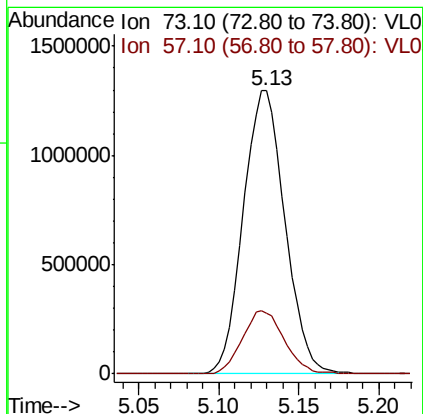
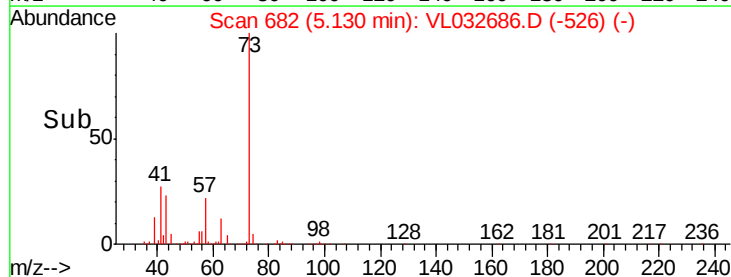
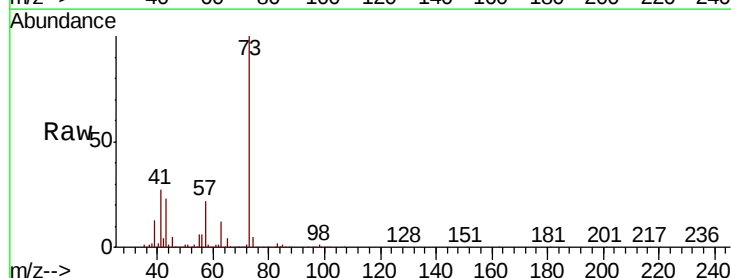
Acq: 24 Oct 2018 14:02

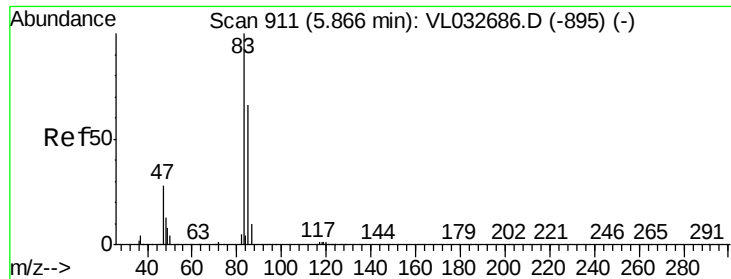
Tgt Ion: 73 Resp: 2313635

Ion Ratio Lower Upper

73 100

57 22.6 18.0 27.0





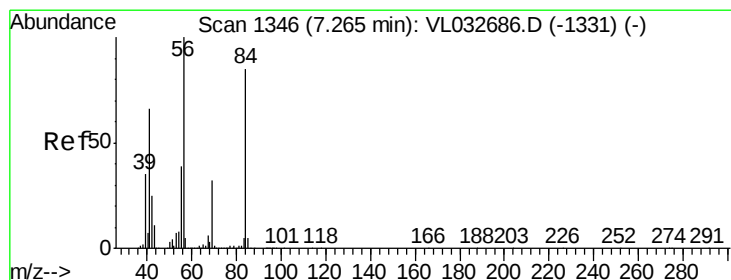
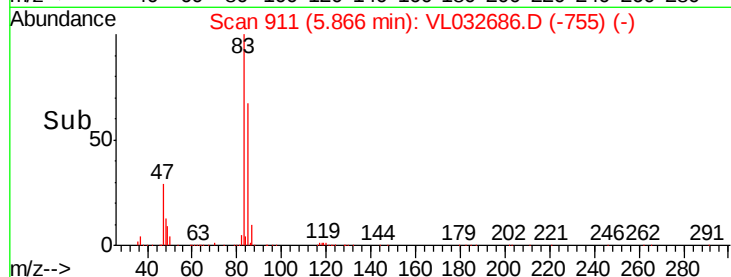
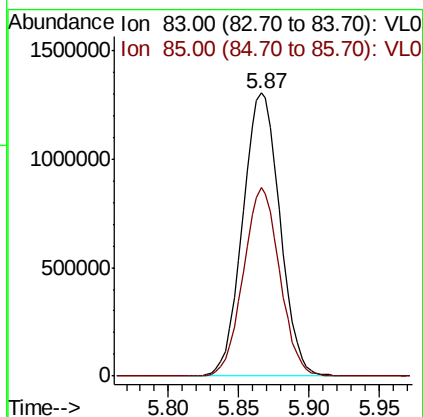
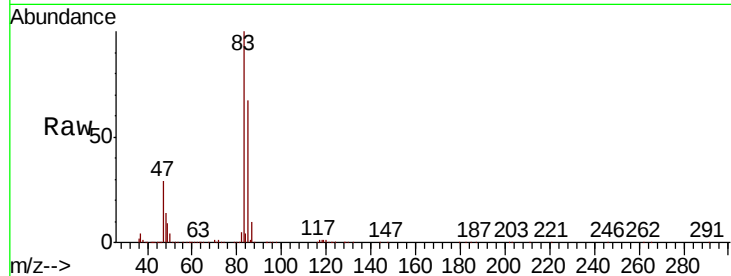
#29
Chloroform
Concen: 9.956 ppbv
RT: 5.87 min Scan# 911
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2409409
Ion Ratio Lower Upper
83 100
85 66.5 53.0 79.6

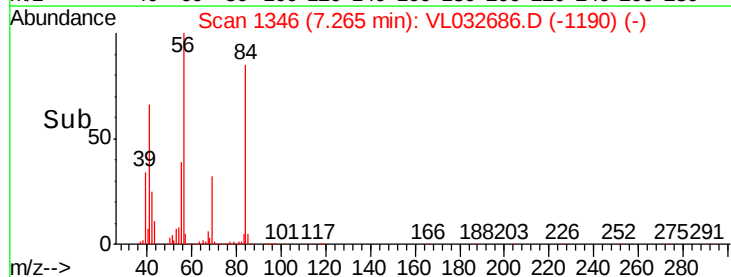
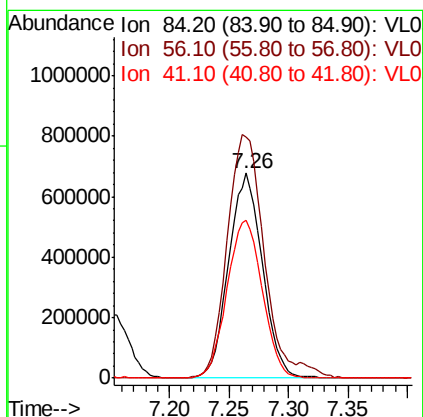
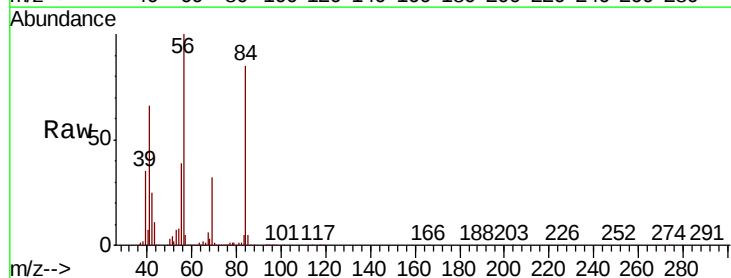
Manual Integrations
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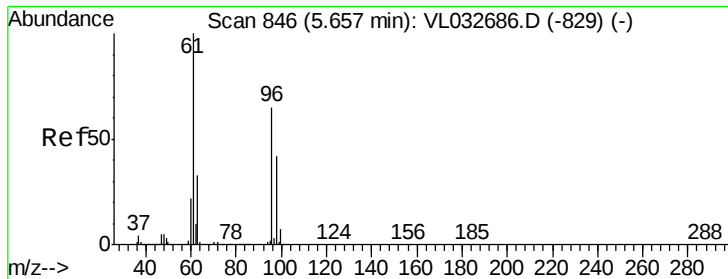
MMDadoda
10/26/2018 3:39:32 PM



#30
Cyclohexane
Concen: 11.133 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 84 Resp: 1335124
Ion Ratio Lower Upper
84 100
56 131.1 108.3 162.5
41 80.3 64.8 97.2





#31

cis-1,2-Dichloroethene

Concen: 10.538 ppbv

RT: 5.66 min Scan# 846

Delta R.T. -0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 61 Resp: 1480366

Ion Ratio Lower Upper

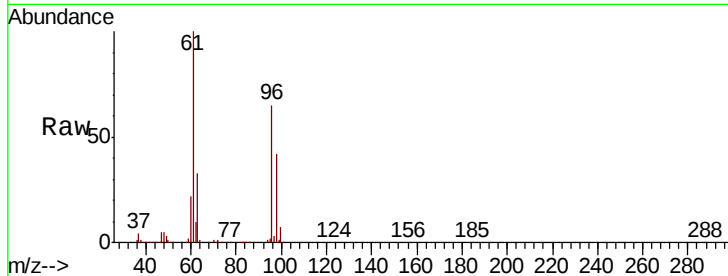
61 100

96 65.3 51.8 77.6

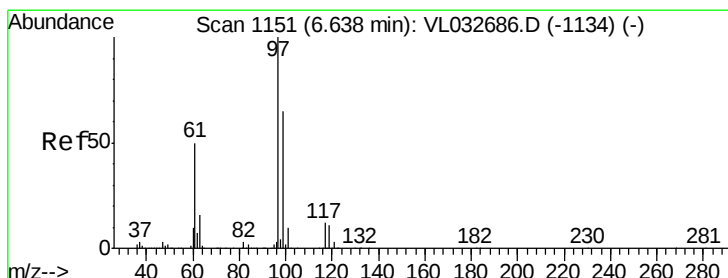
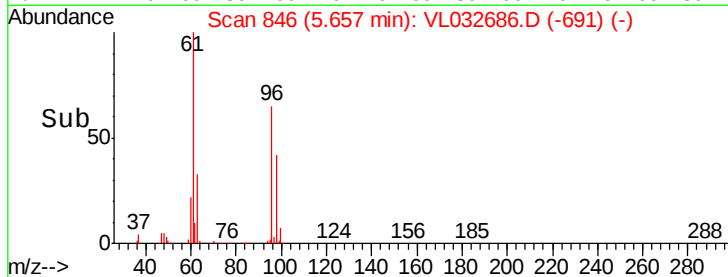
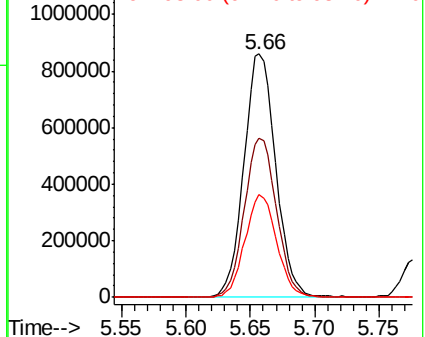
98 42.3 33.8 50.6

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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.725 ppbv

RT: 6.64 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

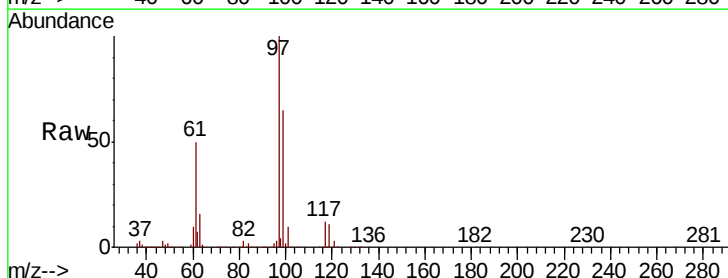
Tgt Ion: 97 Resp: 2391767

Ion Ratio Lower Upper

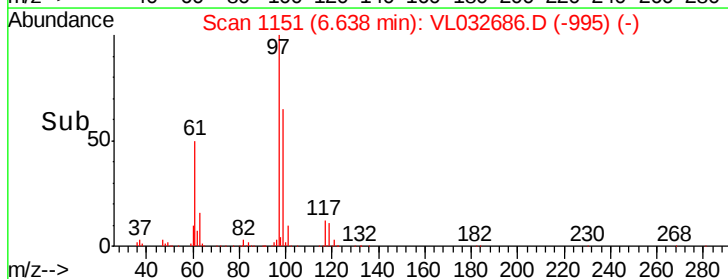
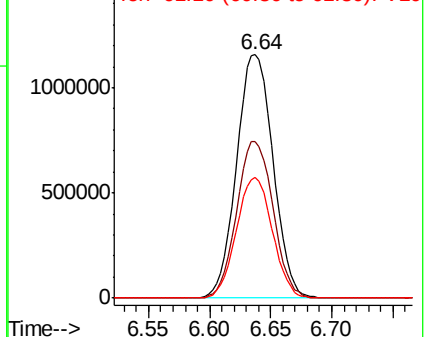
97 100

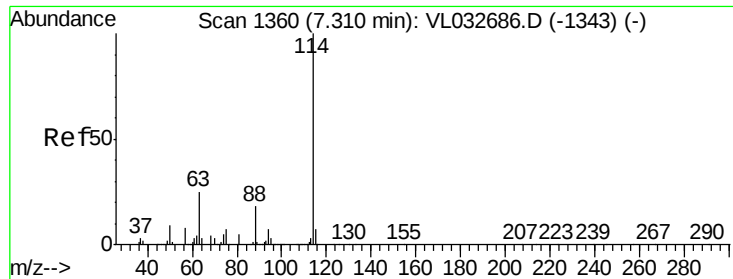
99 64.1 52.0 78.0

61 49.2 40.7 61.1



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





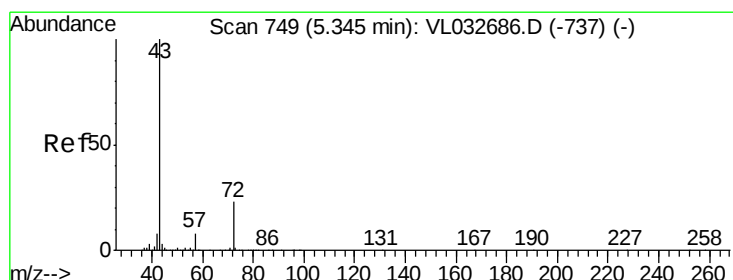
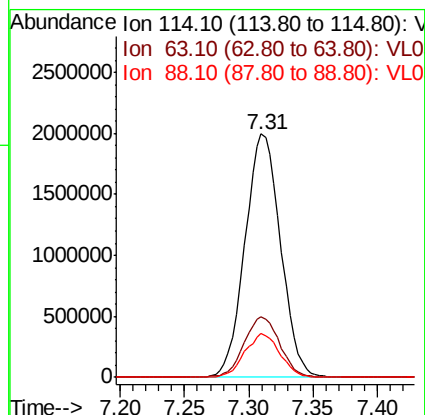
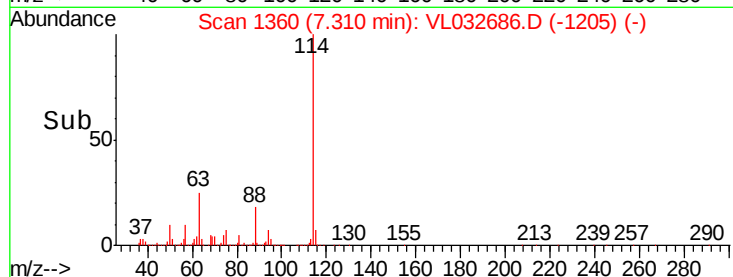
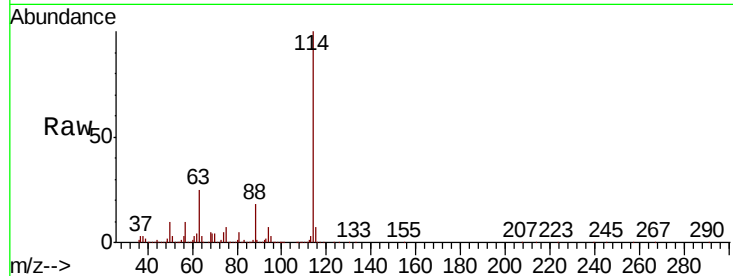
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 3831087
 Ion Ratio Lower Upper
 114 100
 63 25.1 21.7 32.5
 88 17.7 14.9 22.3

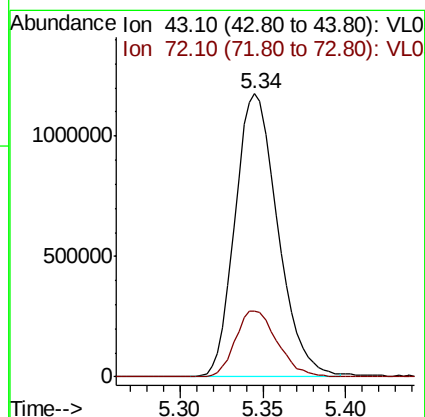
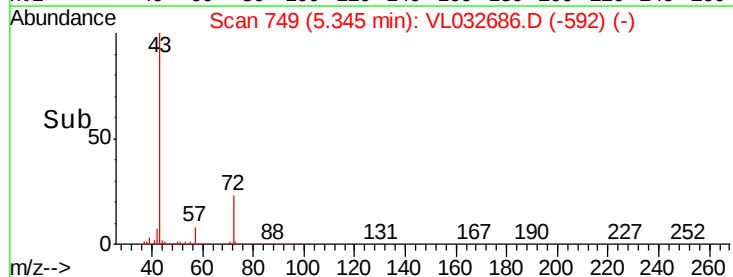
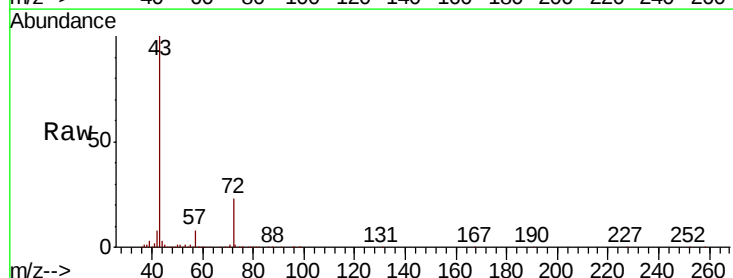
Manual Integrations
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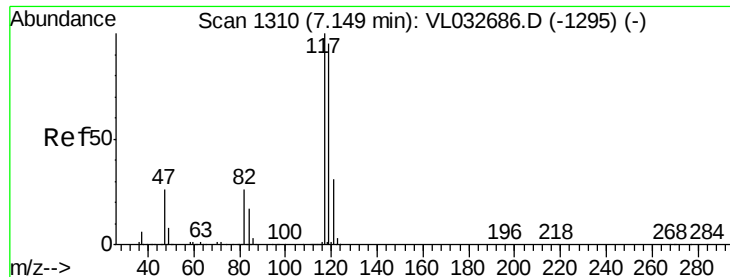
MMDadoda
 10/26/2018 3:39:32 PM



#34
 2-Butanone
 Concen: 10.232 ppbv
 RT: 5.34 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion: 43 Resp: 2101279
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.6 27.8





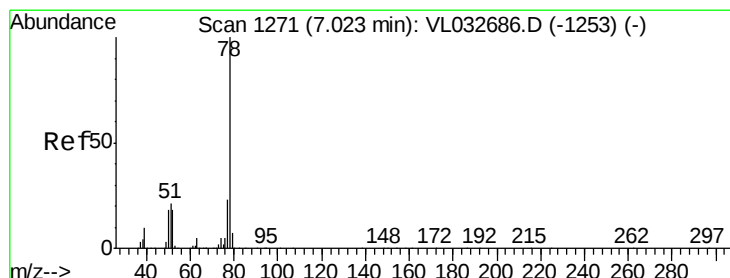
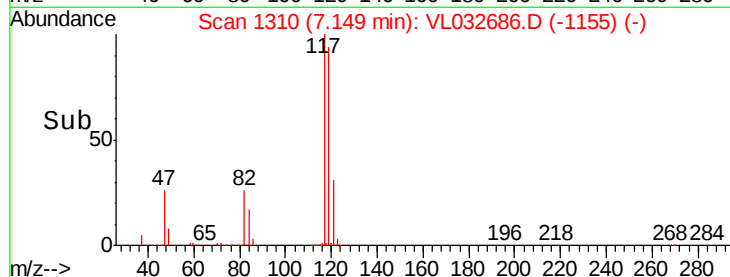
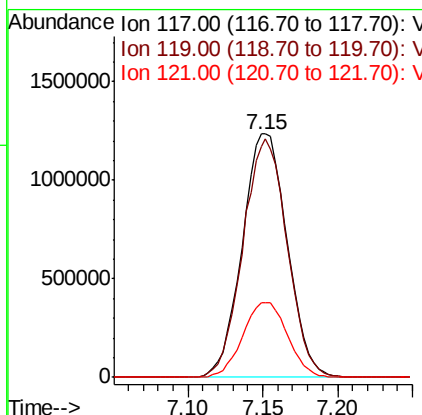
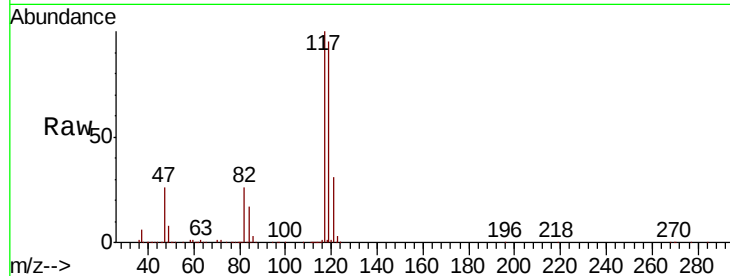
#35
Carbon Tetrachloride
Concen: 9.492 ppbv
RT: 7.15 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.7	113.5
121	30.8	24.7	37.1

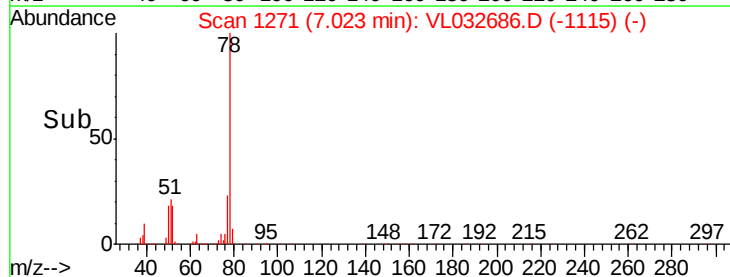
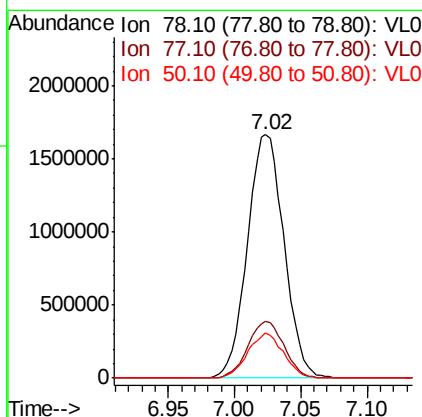
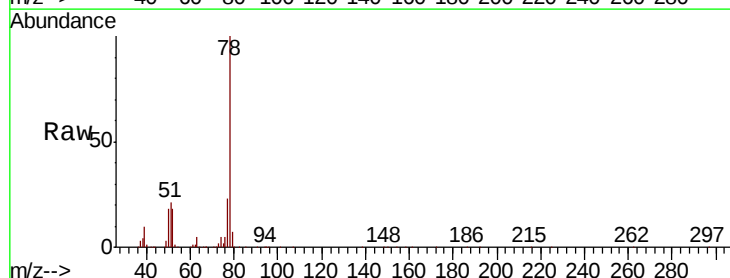
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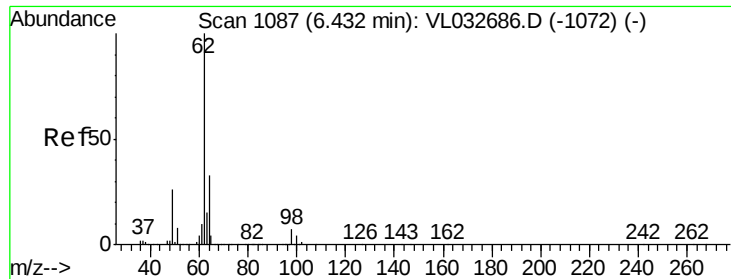
MMDadoda
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#36
Benzene
Concen: 10.273 ppbv
RT: 7.02 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.1	27.1
50	18.5	15.1	22.7





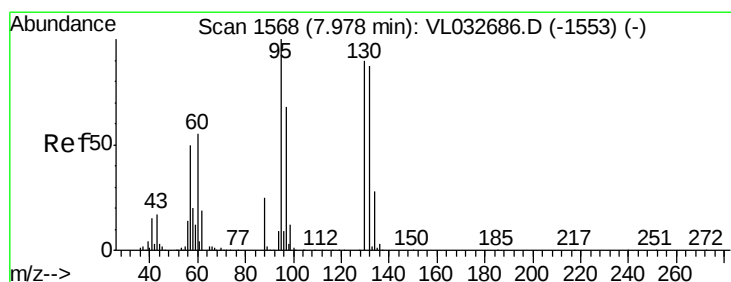
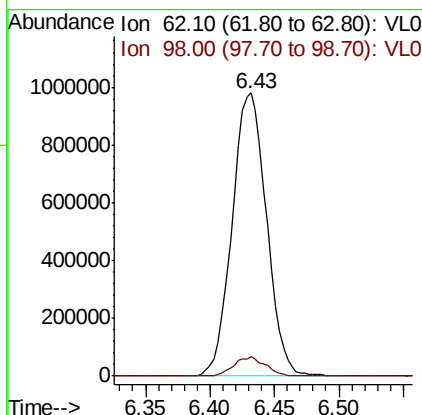
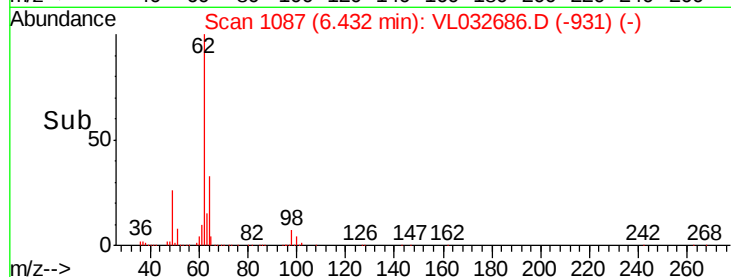
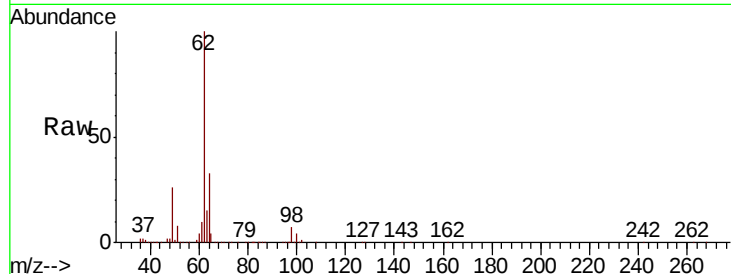
#37
 1,2-Dichloroethane
 Concen: 9.518 ppbv
 RT: 6.43 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1816258
 Ion Ratio Lower Upper
 62 100
 98 6.4 4.4 6.6

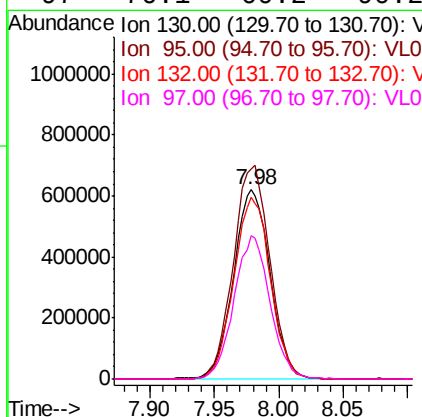
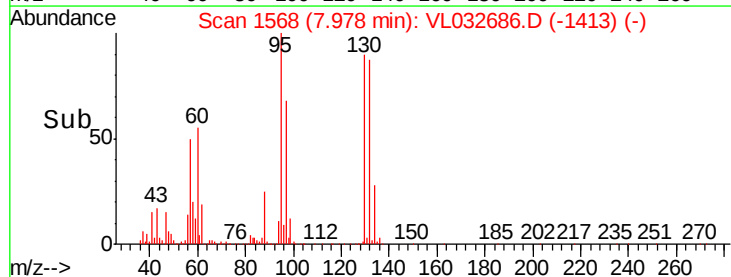
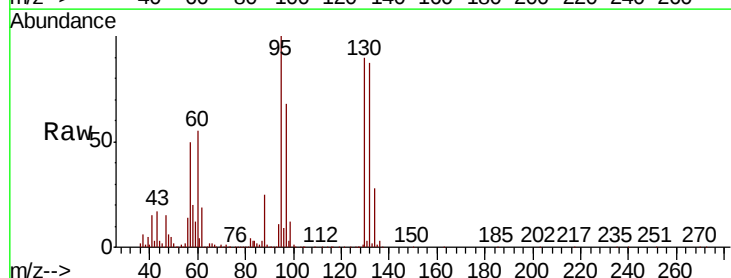
Manual Integrations
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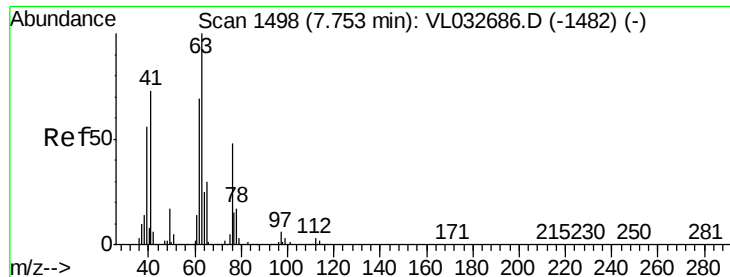
MMDadoda
 10/26/2018 3:39:32 PM



#38
 Trichloroethene
 Concen: 10.608 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion: 130 Resp: 1221691
 Ion Ratio Lower Upper
 130 100
 95 111.1 93.4 140.0
 132 96.3 76.5 114.7
 97 76.1 60.2 90.2





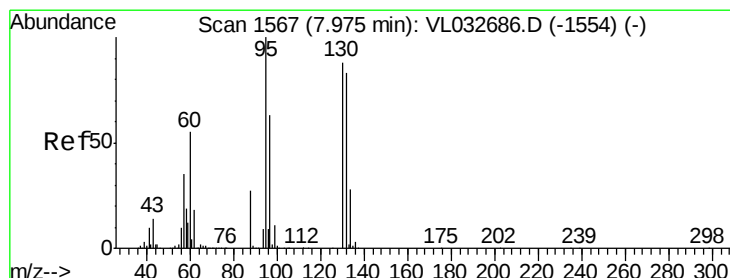
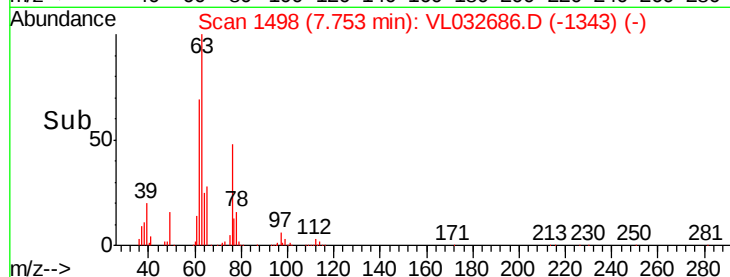
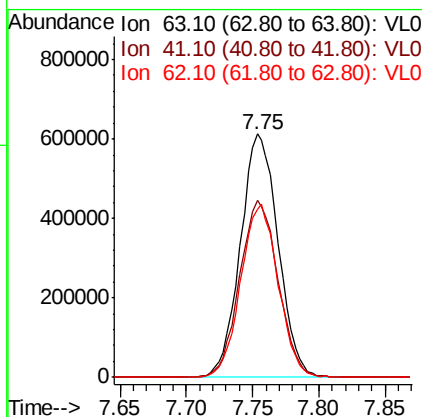
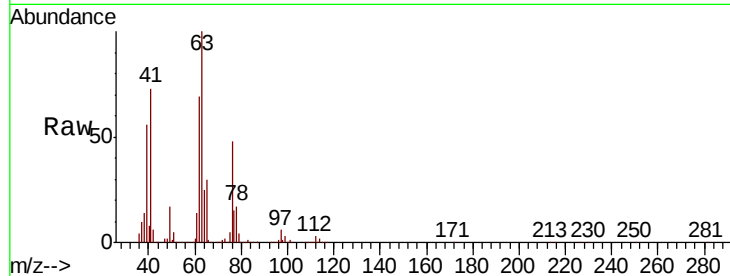
#39
 1,2-Dichloropropane
 Concen: 10.061 ppbv
 RT: 7.75 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 63 Resp: 1208709
 Ion Ratio Lower Upper
 63 100
 41 73.0 56.2 84.4
 62 68.9 54.4 81.6

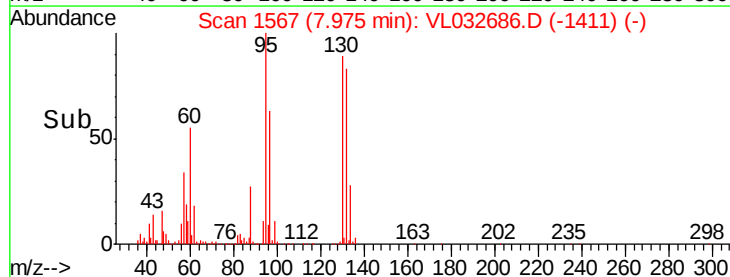
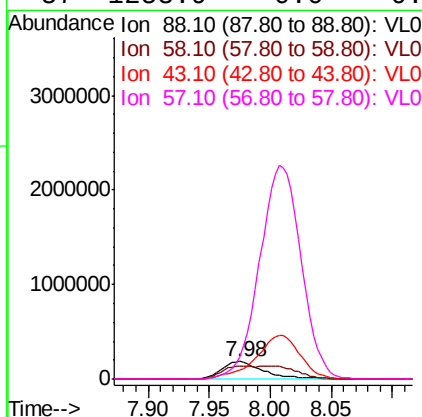
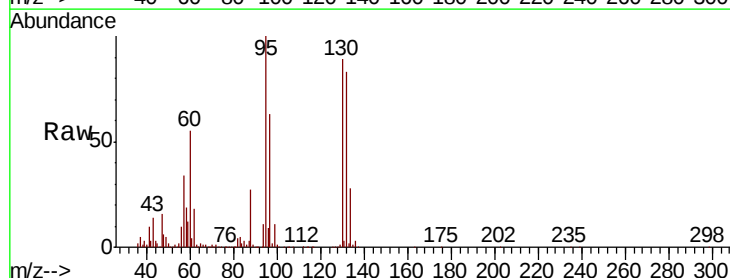
Manual Integrations
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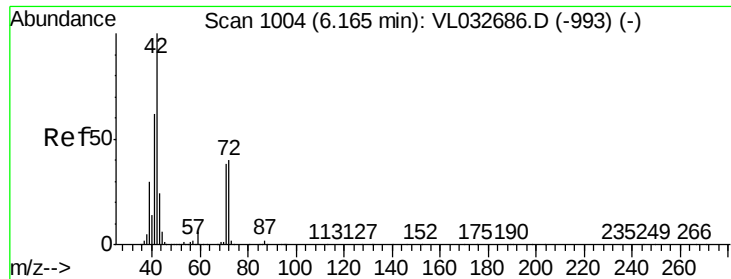
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#40
 1,4-Dioxane
 Concen: 10.383 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion: 88 Resp: 426001
 Ion Ratio Lower Upper
 88 100
 58 130.7 104.0 156.0
 43 274.4 0.0 0.0#
 57 1258.9 0.0 0.0#





#41

Tetrahydrofuran

Concen: 11.055 ppbv

RT: 6.16 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

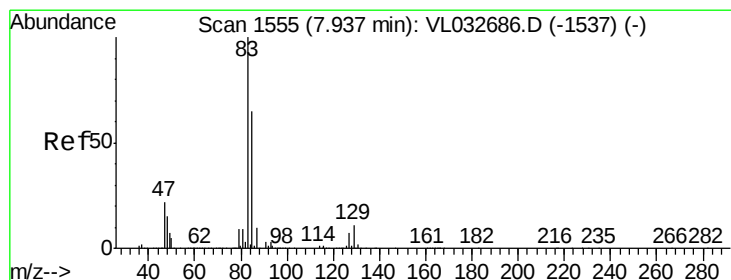
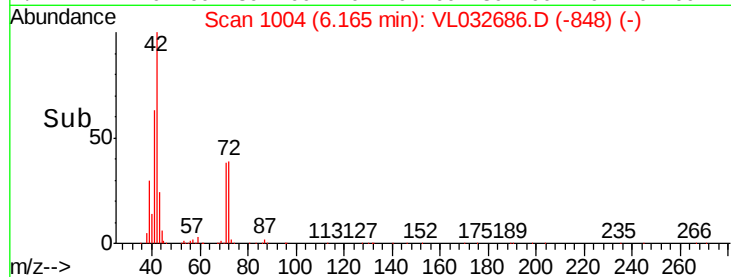
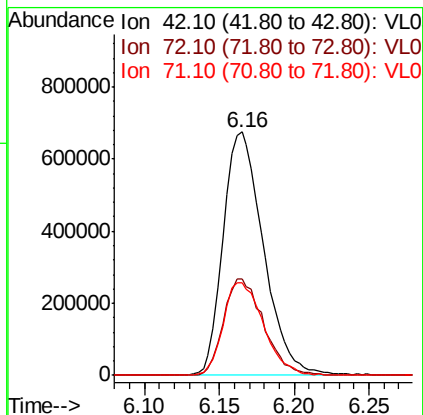
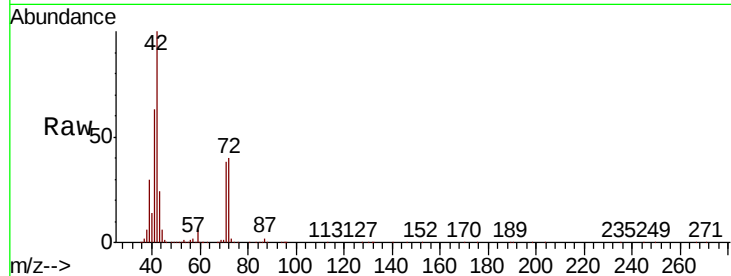
ClientSampleId :

VSTDCCC010

Tgt Ion:	42	Resp:	1265130
Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.4	48.6
71	38.5	31.3	46.9

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.755 ppbv

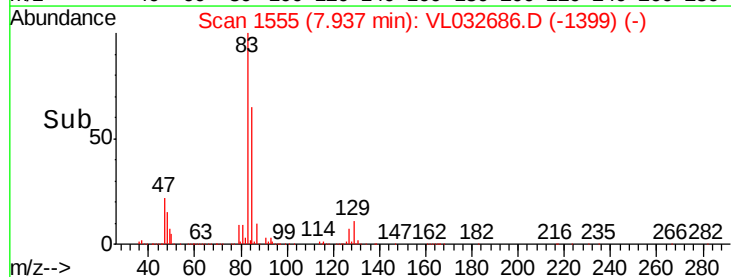
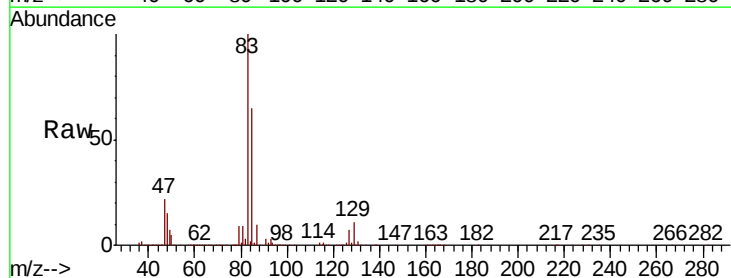
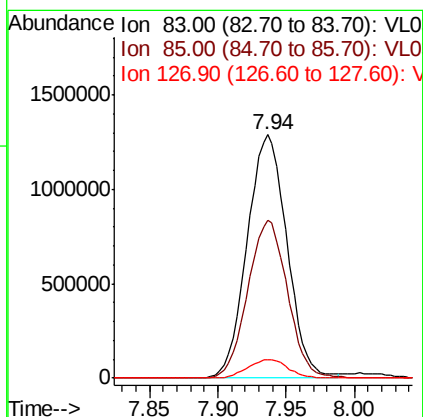
RT: 7.94 min Scan# 1555

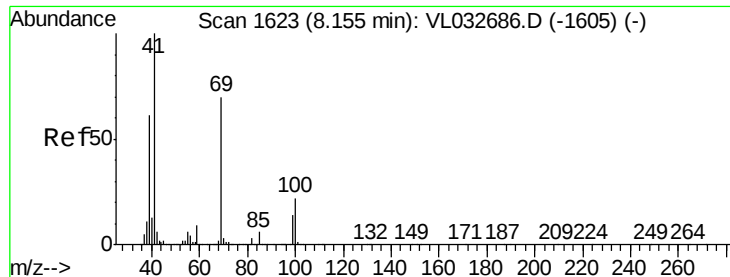
Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Tgt Ion:	83	Resp:	2608031
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6
127	7.3	6.1	9.1





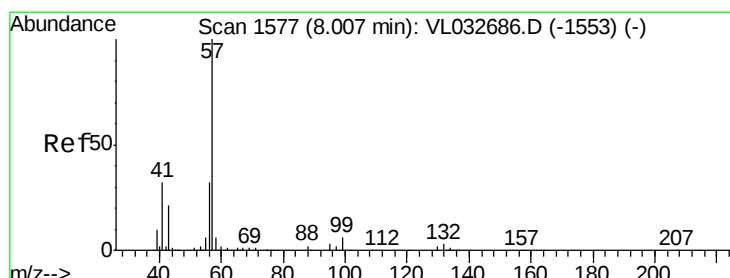
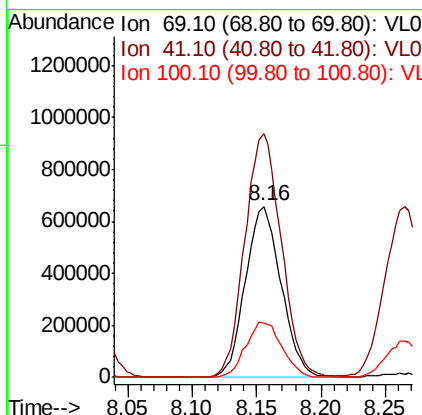
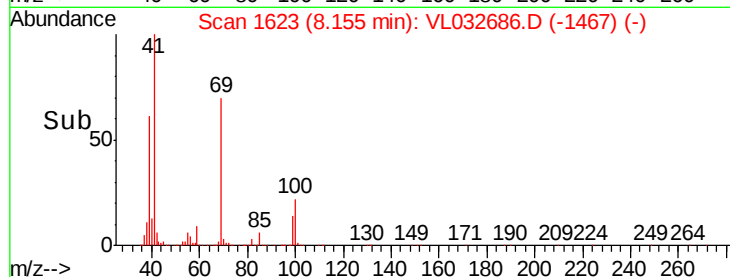
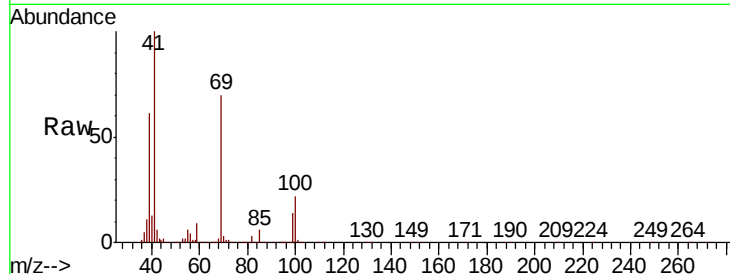
#43
Methyl Methacrylate
Concen: 11.161 ppbv
RT: 8.16 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1272514
Ion Ratio Lower Upper
69 100
41 145.1 113.2 169.8
100 32.8 24.4 36.6

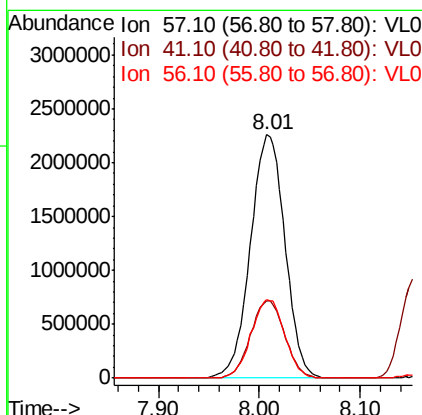
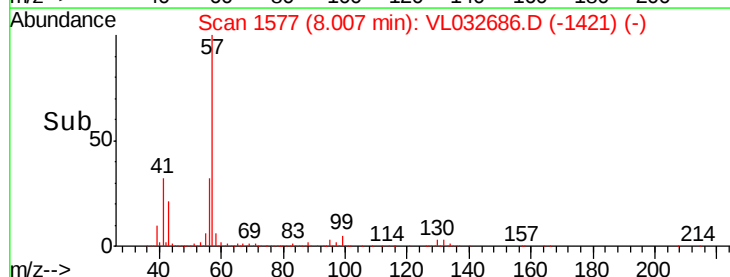
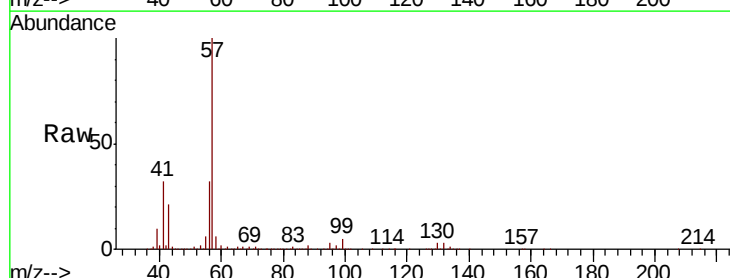
Manual Integrations
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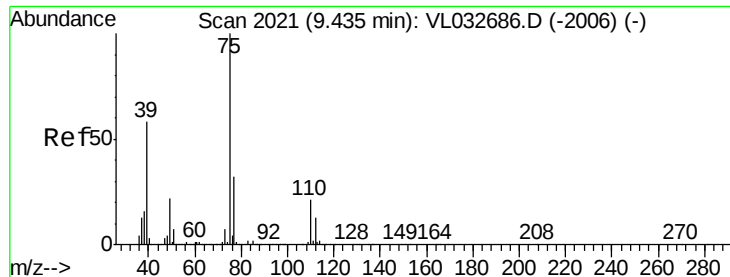
MMDadoda
10/26/2018 3:39:32 PM



#44
2,2,4-Trimethylpentane
Concen: 10.086 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 57 Resp: 5356444
Ion Ratio Lower Upper
57 100
41 31.6 24.7 37.1
56 31.3 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 11.869 ppbv

RT: 9.43 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 1811386

Ion Ratio Lower Upper

75 100

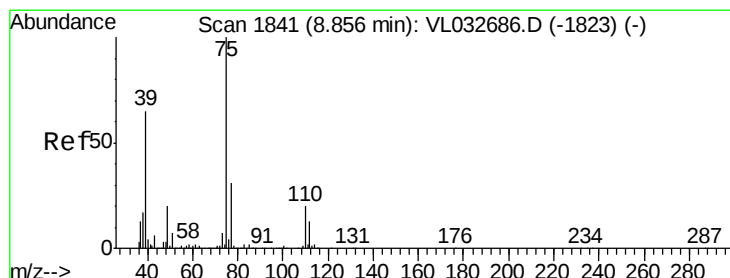
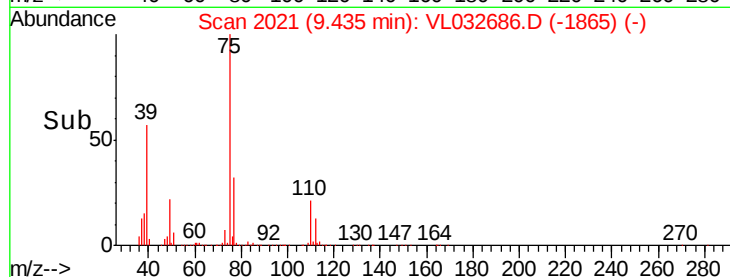
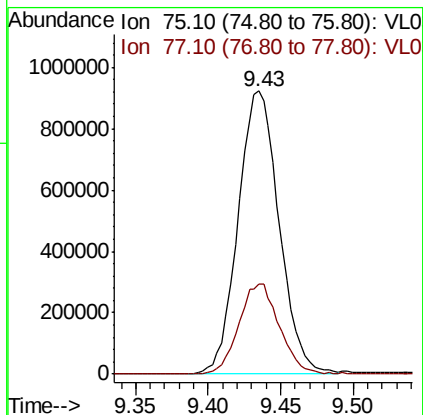
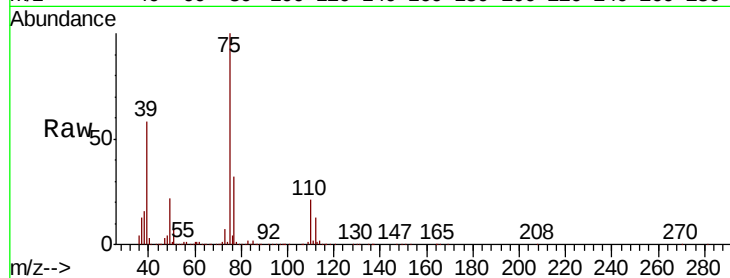
77 32.0 25.3 37.9

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#46

cis-1,3-Dichloropropene

Concen: 11.425 ppbv

RT: 8.86 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

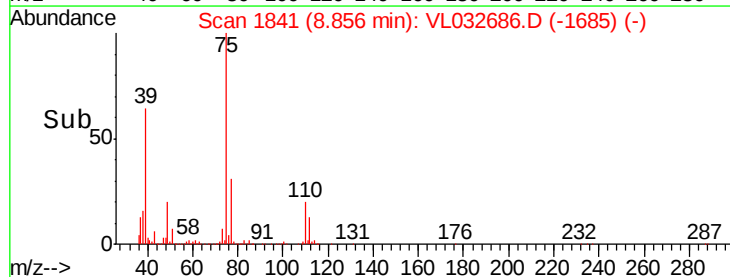
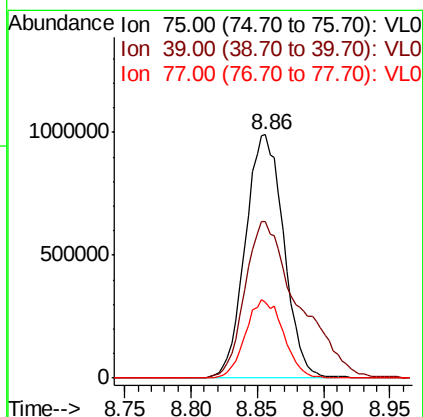
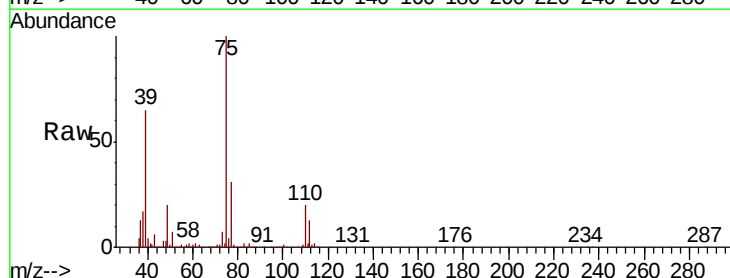
Tgt Ion: 75 Resp: 1992268

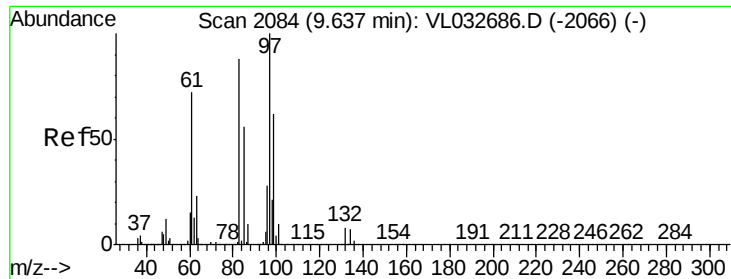
Ion Ratio Lower Upper

75 100

39 64.5 50.9 76.3

77 31.4 25.8 38.6





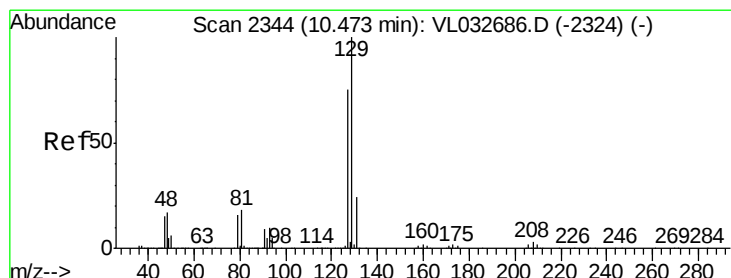
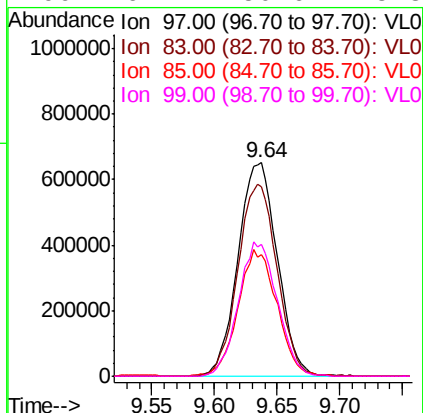
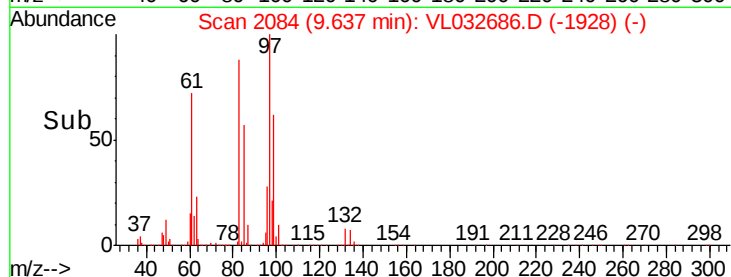
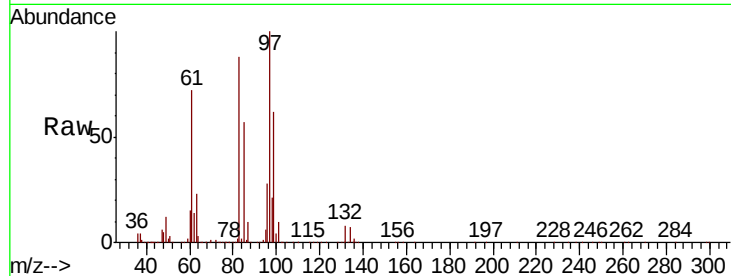
#47
 1,1,2-Trichloroethane
 Concen: 10.013 ppbv
 RT: 9.64 min Scan# 2084
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.4	73.5	110.3
85	56.6	45.8	68.6
99	61.7	50.6	75.8

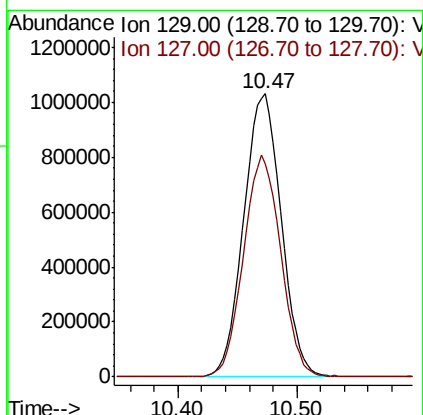
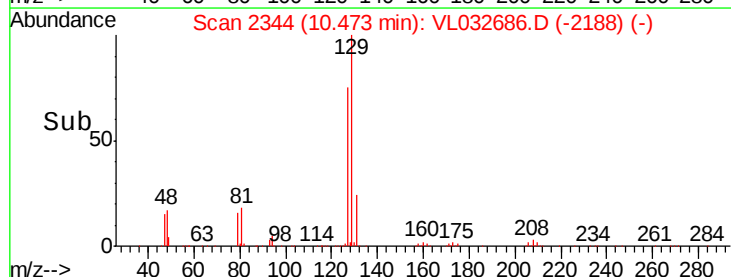
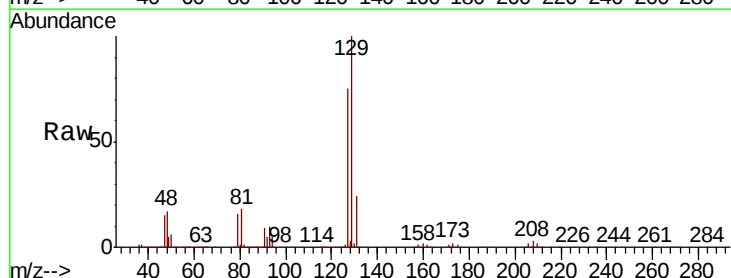
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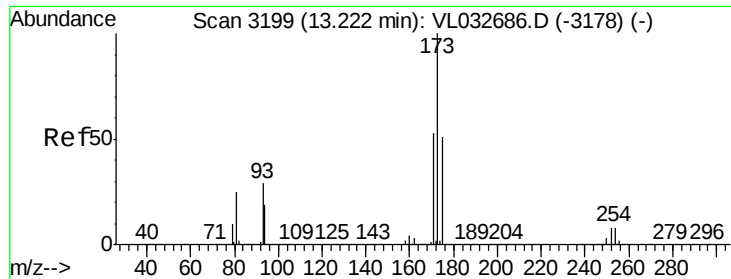
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#48
 Dibromochloromethane
 Concen: 9.538 ppbv
 RT: 10.47 min Scan# 2344
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.5





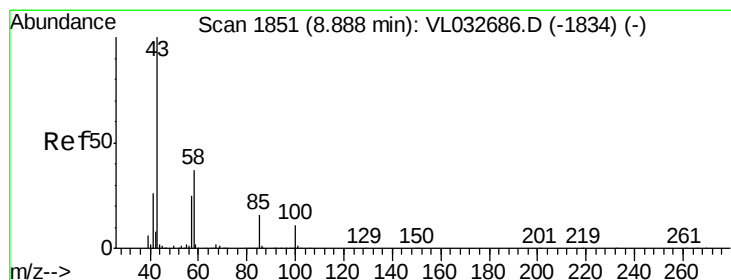
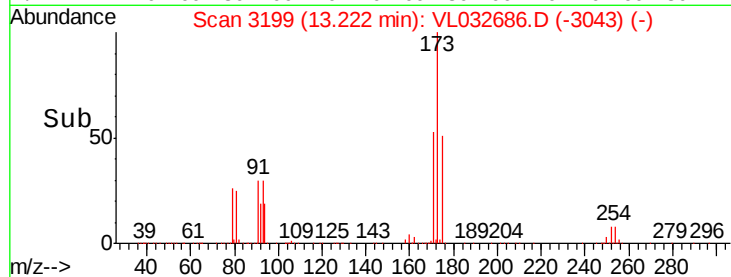
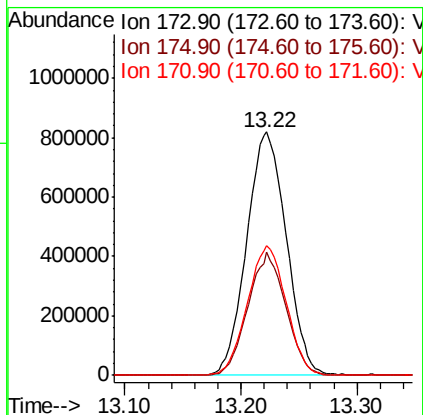
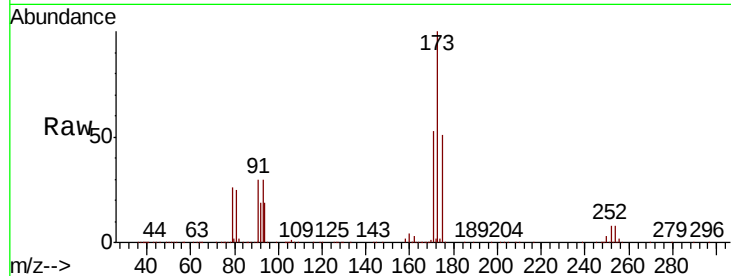
#49
Bromoform
Concen: 10.450 ppbv
RT: 13.22 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1943113
Ion Ratio Lower Upper
173 100
175 48.5 39.0 58.4
171 52.3 42.2 63.2

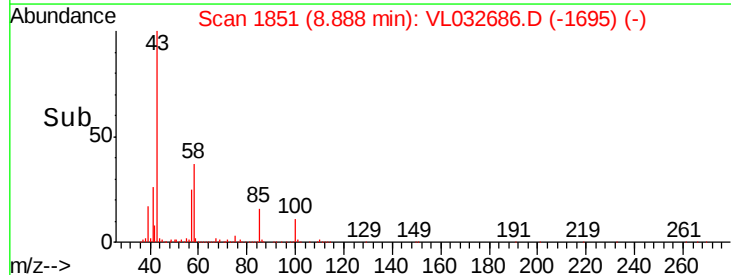
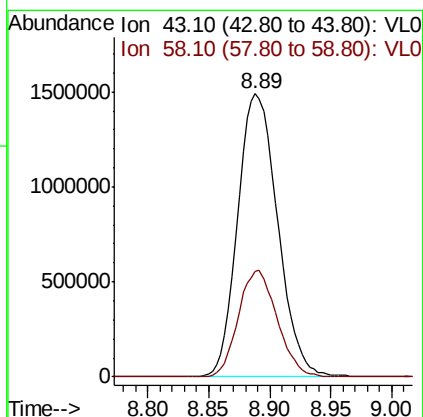
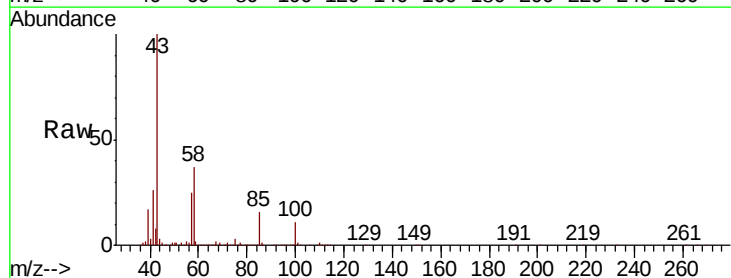
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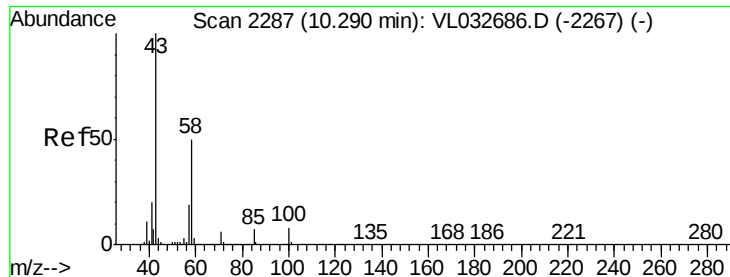
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.083 ppbv
RT: 8.89 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 43 Resp: 3372143
Ion Ratio Lower Upper
43 100
58 36.5 29.7 44.5





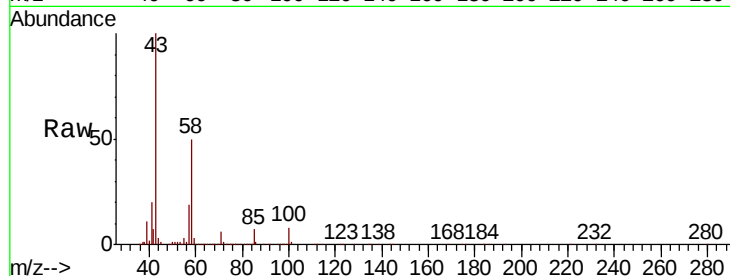
#51
2-Hexanone
Concen: 10.463 ppbv
RT: 10.29 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.1	40.4	60.6
98	0.4	0.4	0.6

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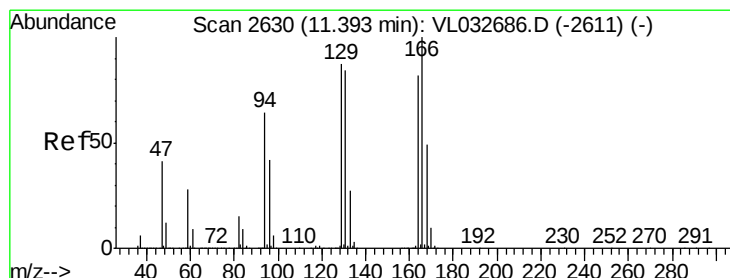
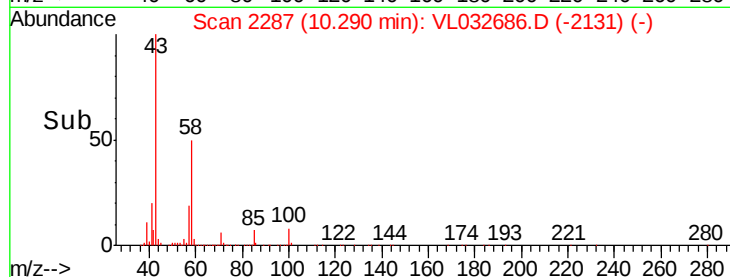
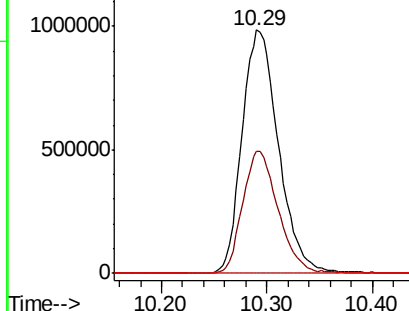


Abundance

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: 10.123 ppbv
RT: 11.39 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	100.5	150.7
129	106.7	90.0	135.0
131	102.9	86.6	129.8

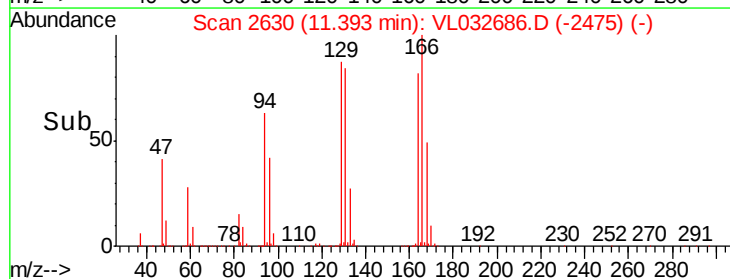
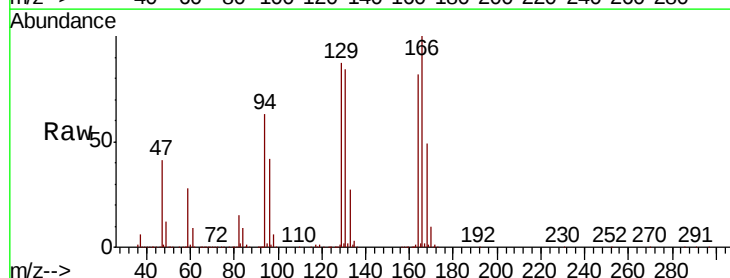
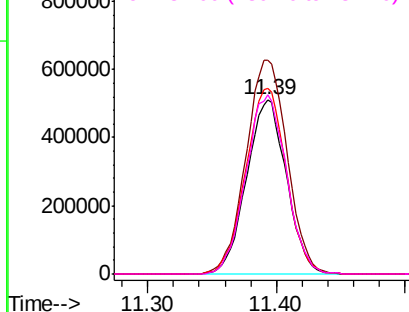
Abundance

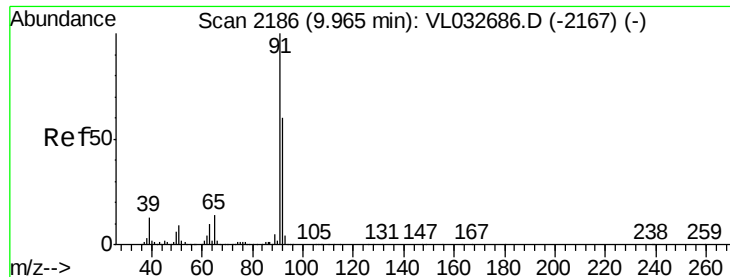
Ion 163.90 (163.60 to 164.60): V

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: 11.178 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 3986403

Ion Ratio Lower Upper

91 100

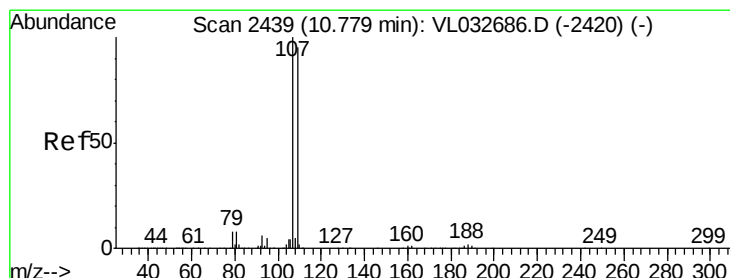
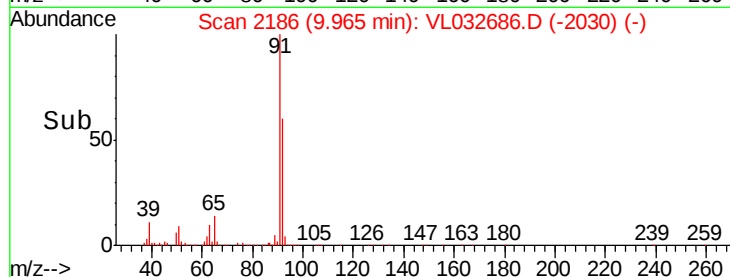
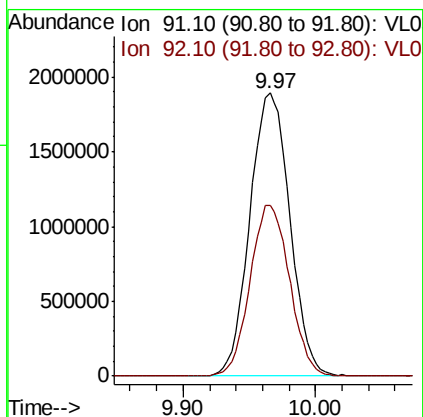
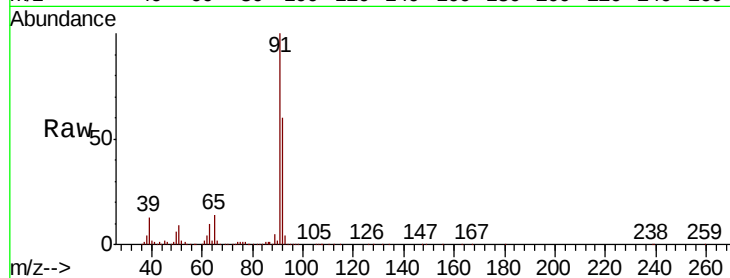
92 59.7 48.4 72.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.344 ppbv

RT: 10.78 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL032686.D

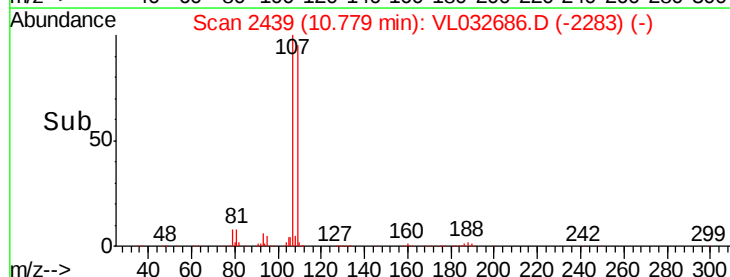
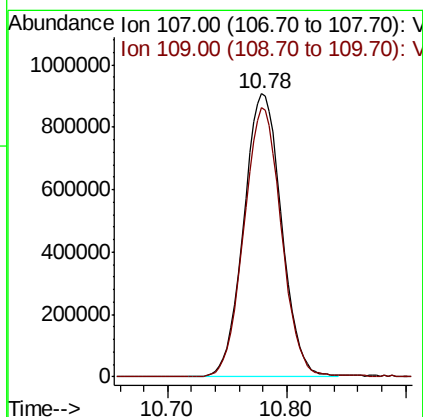
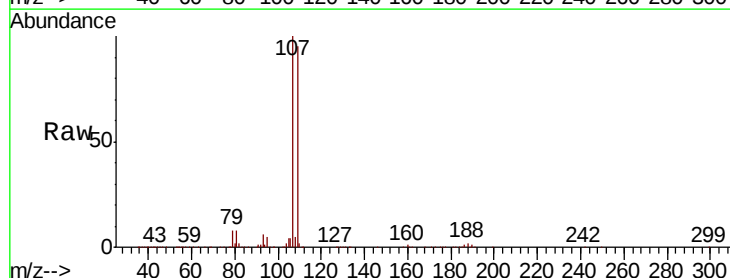
Acq: 24 Oct 2018 14:02

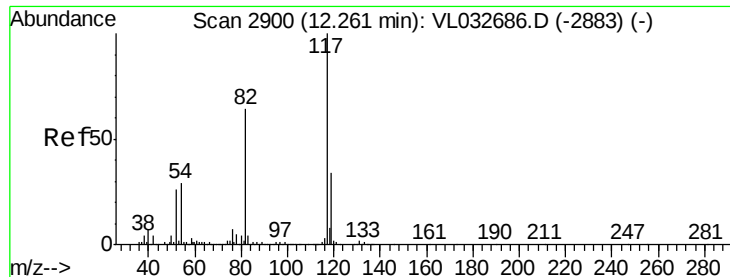
Tgt Ion: 107 Resp: 1995823

Ion Ratio Lower Upper

107 100

109 95.2 75.3 112.9





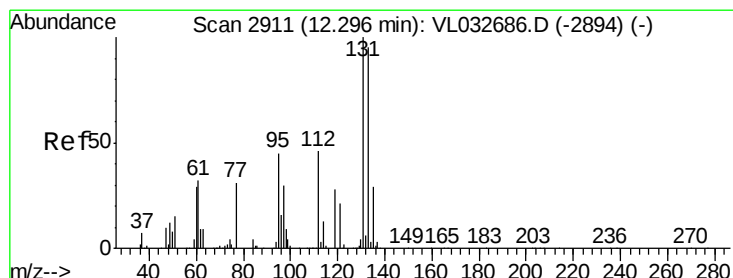
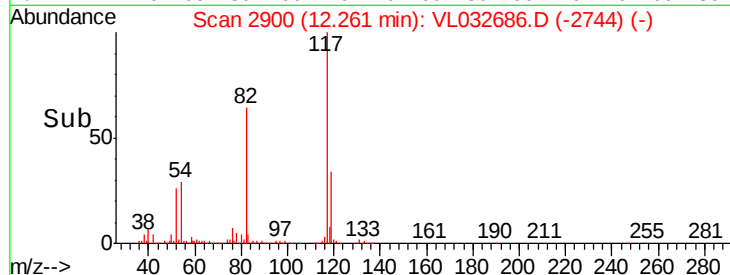
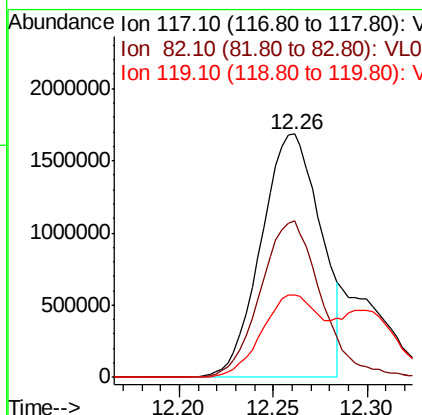
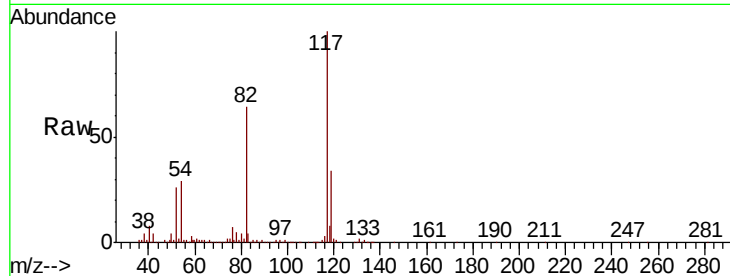
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.26 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 3697315
Ion Ratio Lower Upper
117 100
82 66.4 52.7 79.1
119 61.1 26.7 40.1#

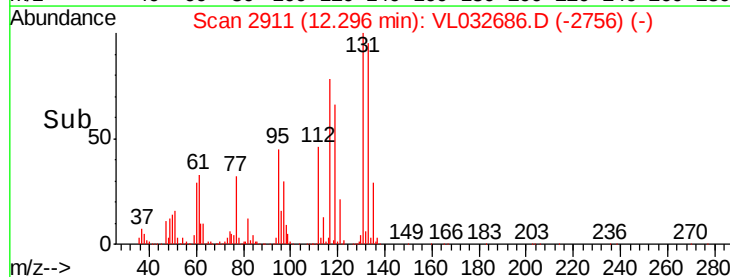
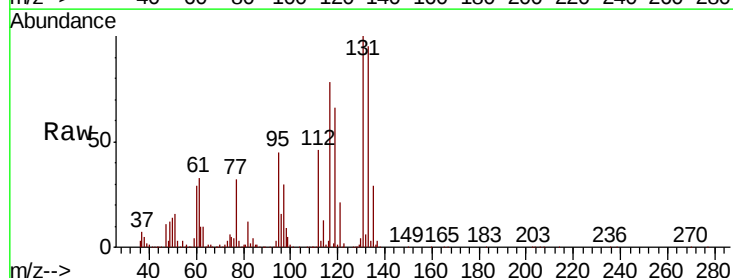
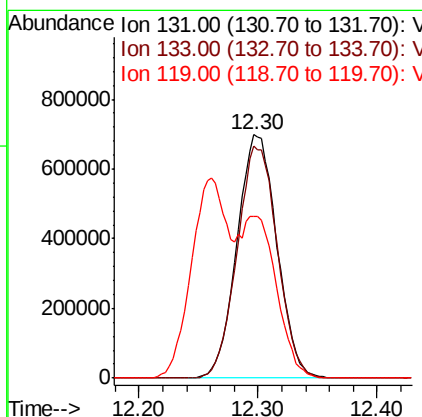
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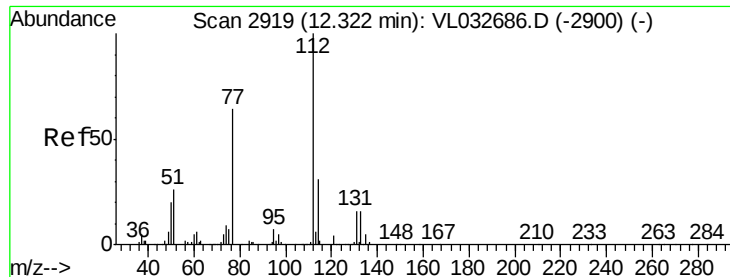
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.007 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:131 Resp: 1617903
Ion Ratio Lower Upper
131 100
133 96.3 75.4 113.2
119 61.5 49.1 73.7





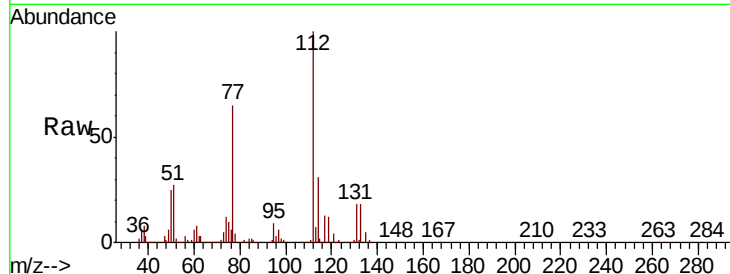
#57
Chlorobenzene
Concen: 10.142 ppbv
RT: 12.32 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

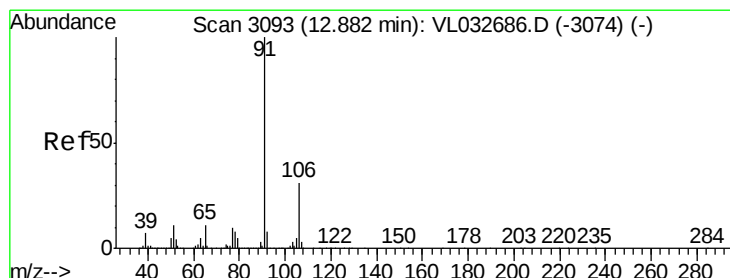
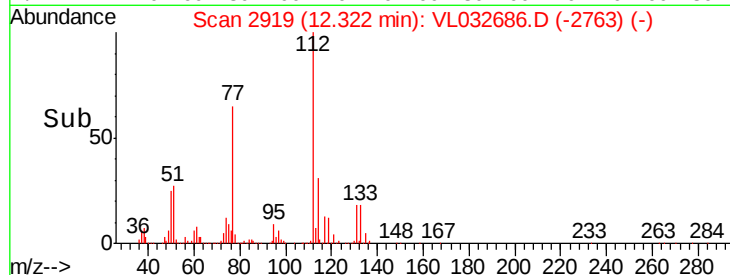
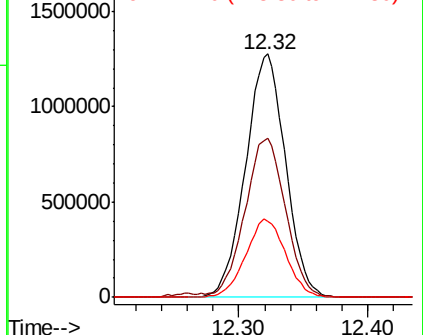
Tgt Ion: 112 Resp: 2757732
Ion Ratio Lower Upper
112 100
77 65.1 56.8 85.2
114 31.1 30.3 37.1

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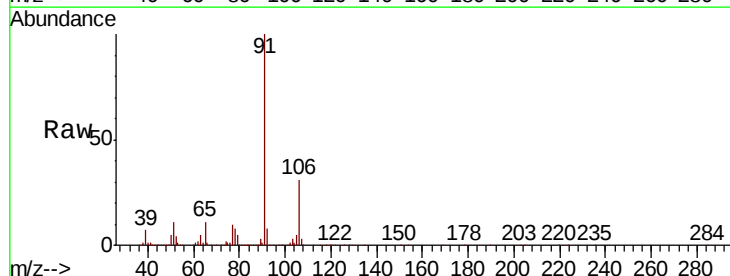


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

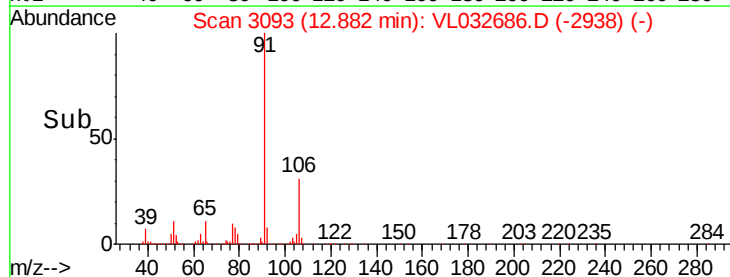
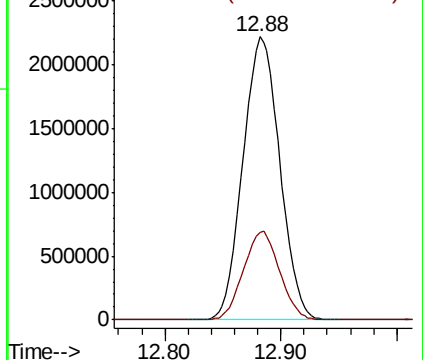


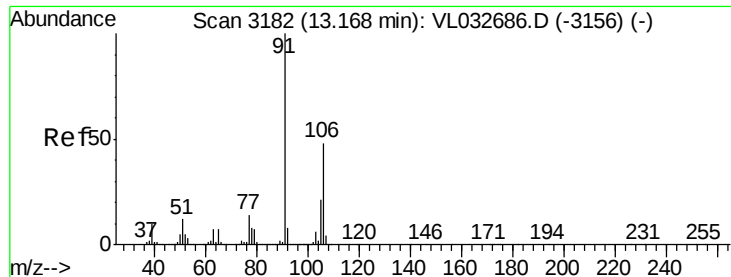
#58
Ethyl Benzene
Concen: 11.425 ppbv
RT: 12.88 min Scan# 3093
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 91 Resp: 4907271
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





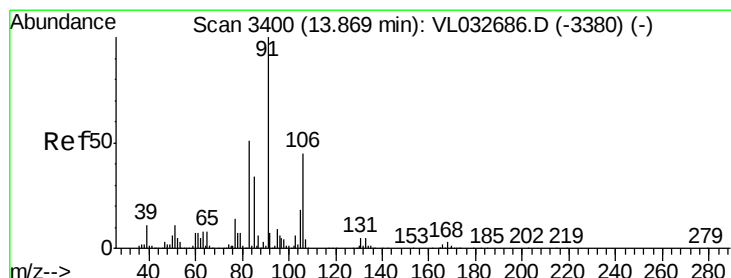
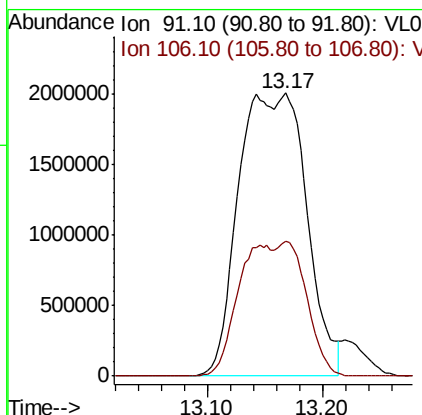
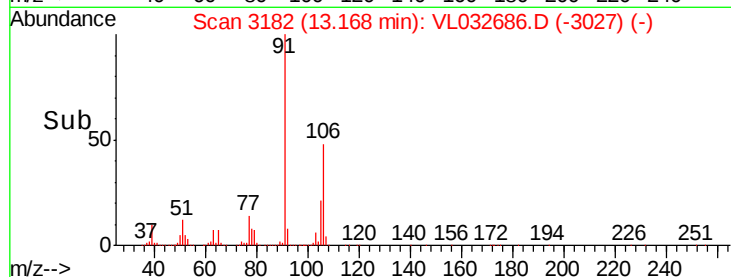
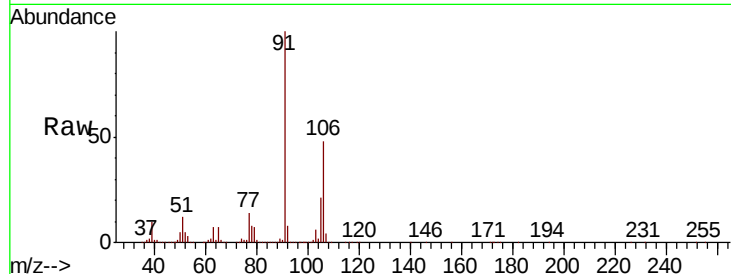
#59
m/p-Xylene
Concen: 21.357 ppbv m
RT: 13.17 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 8169101
Ion Ratio Lower Upper
91 100
106 46.2 35.9 53.9

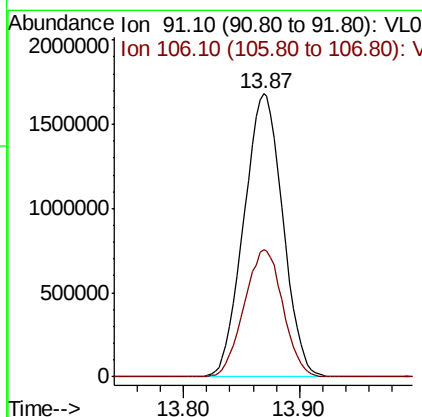
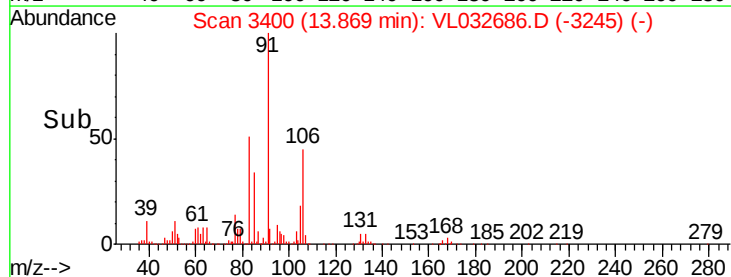
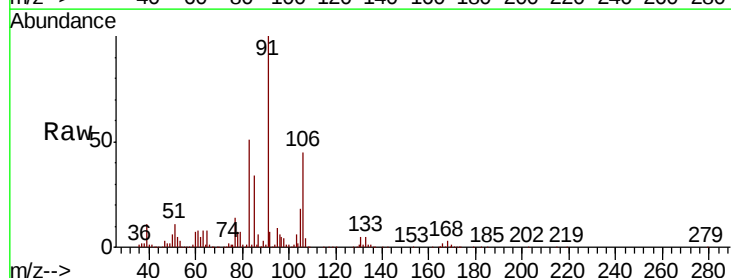
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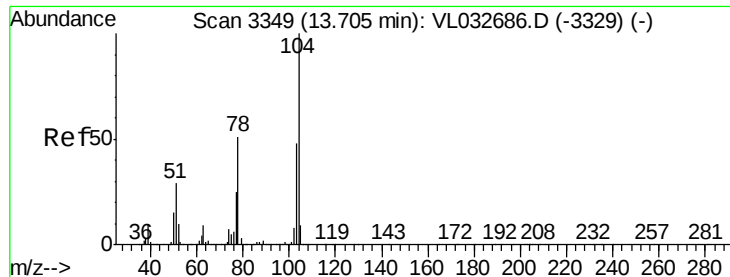
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#60
o-Xylene
Concen: 10.639 ppbv
RT: 13.87 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 91 Resp: 3925282
Ion Ratio Lower Upper
91 100
106 44.9 22.1 66.1





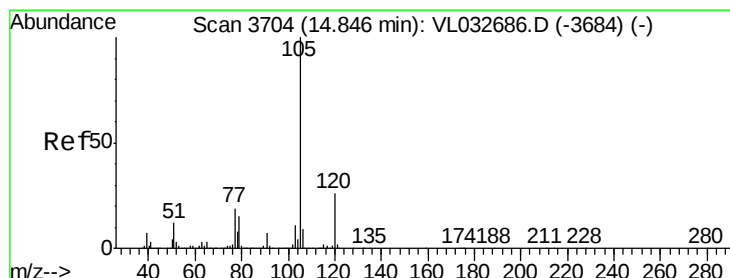
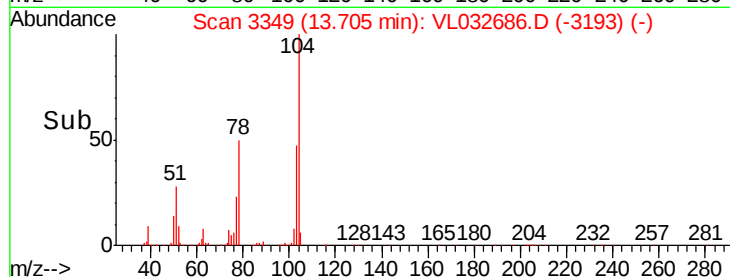
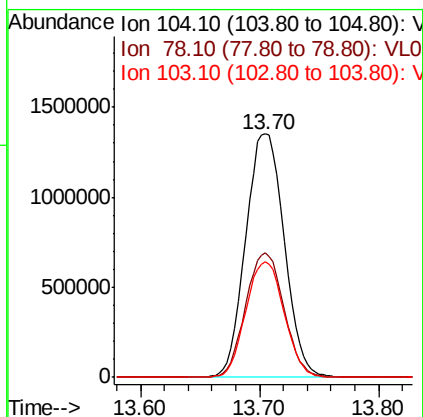
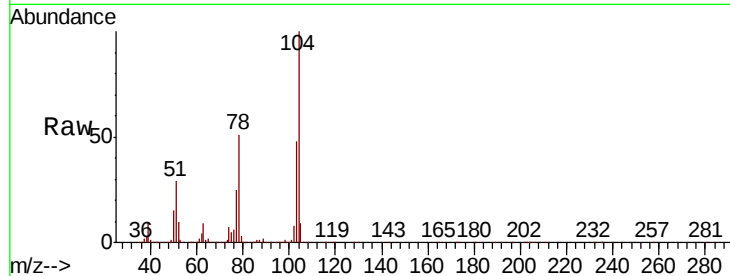
#61
Styrene
Concen: 12.297 ppbv
RT: 13.70 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.8	42.8	64.2
103	47.3	37.4	56.0

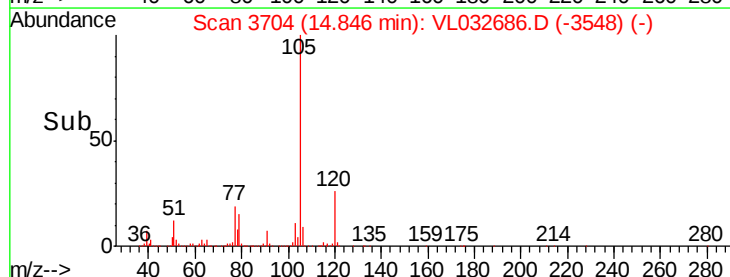
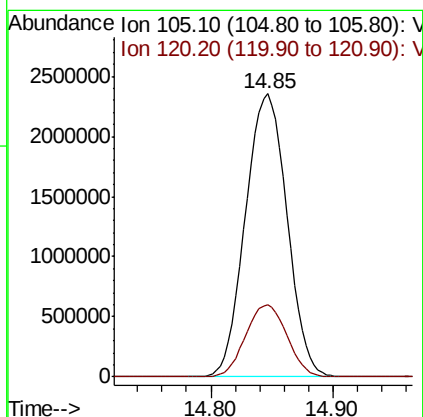
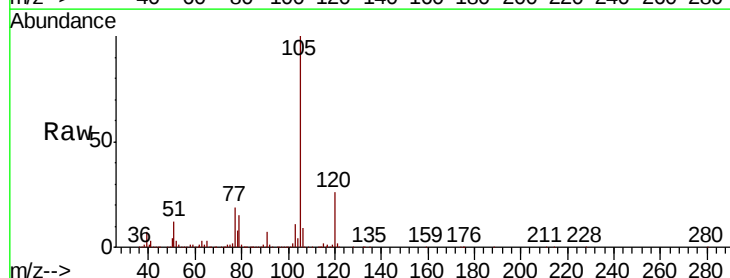
Manual Integrations
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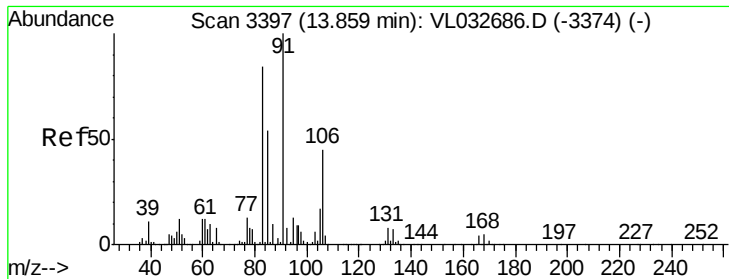
MMDadoda
10/26/2018 3:39:32 PM



#62
Isopropylbenzene
Concen: 10.647 ppbv
RT: 14.85 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.5	30.7





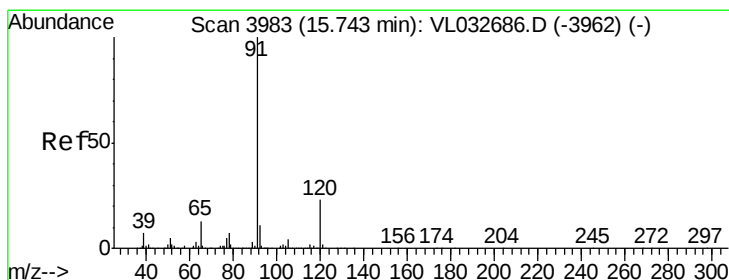
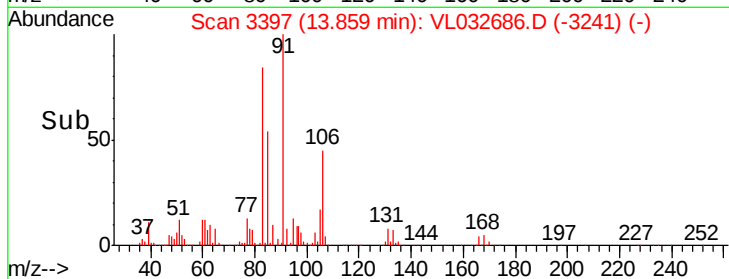
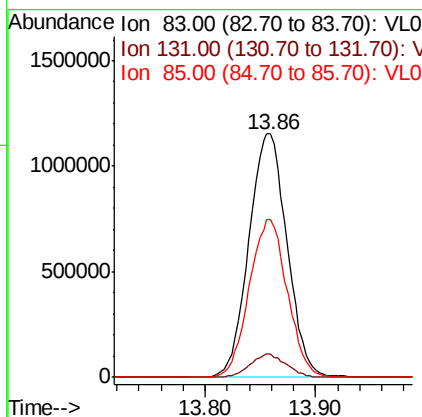
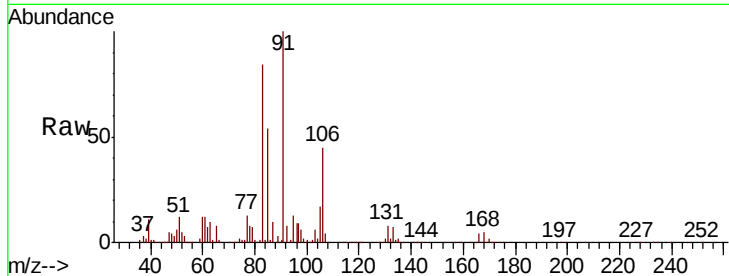
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.532 ppbv
 RT: 13.86 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 83 Resp: 2755672
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.3 12.9
 85 65.0 32.3 96.9

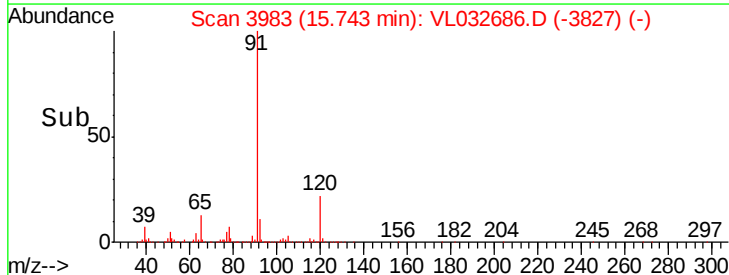
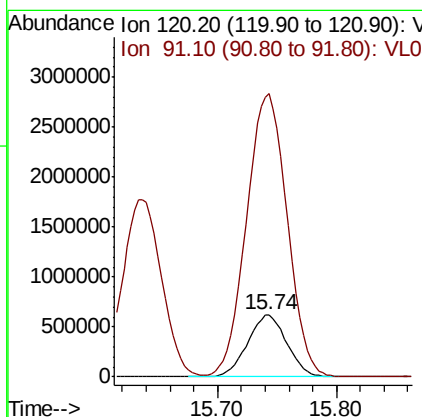
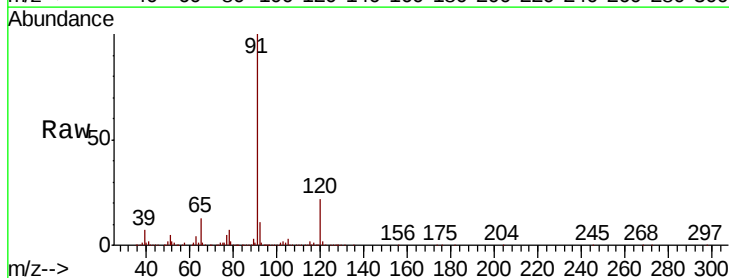
Manual Integrations
 APPROVED

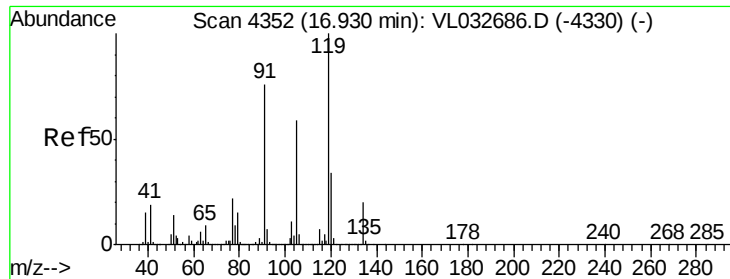
MMDadoda
 10/26/2018 3:39:32 PM



#64
 n-propylbenzene
 Concen: 10.899 ppbv
 RT: 15.74 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion: 120 Resp: 1414472
 Ion Ratio Lower Upper
 120 100
 91 475.1 390.2 585.2





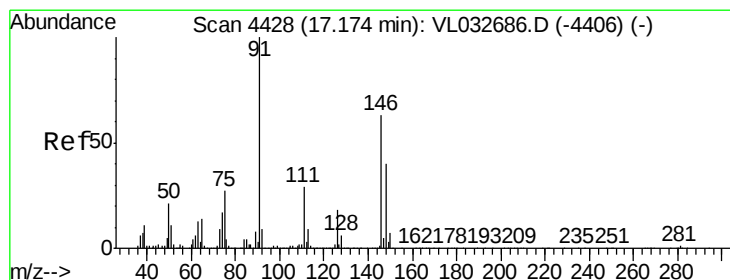
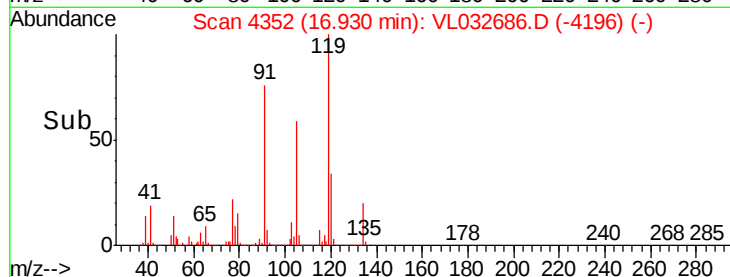
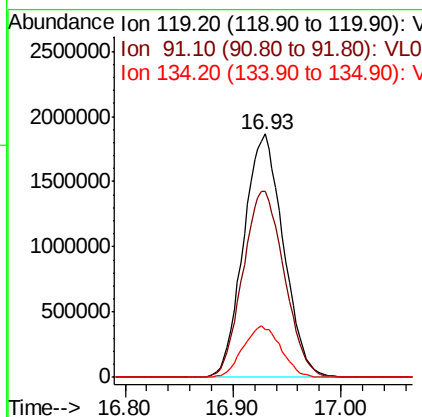
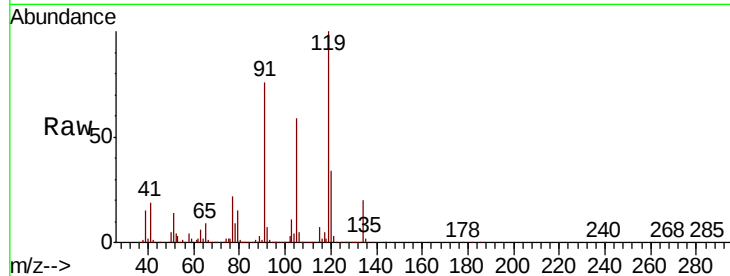
#65
 tert-Butylbenzene
 Concen: 10.740 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 119 Resp: 4776219
 Ion Ratio Lower Upper
 119 100
 91 79.7 67.8 101.8
 134 20.2 15.8 23.8

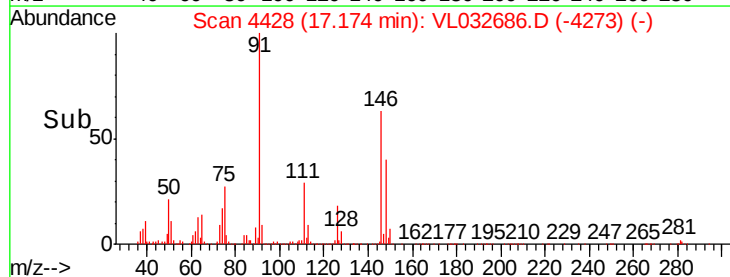
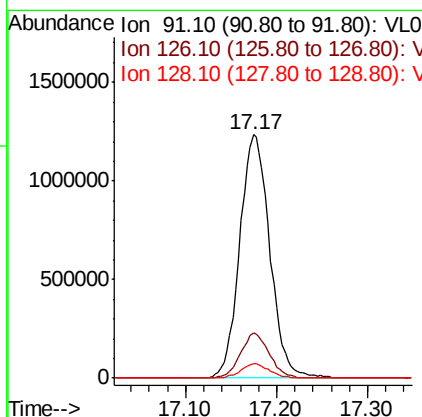
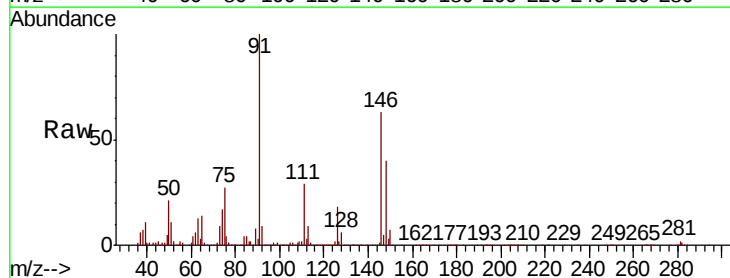
Manual Integrations
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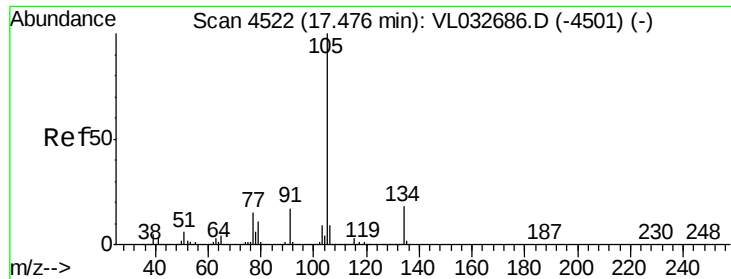
MMDadoda
 10/26/2018 3:39:32 PM



#66
 Benzyl Chloride
 Concen: 12.291 ppbv
 RT: 17.17 min Scan# 4428
 Delta R.T. -0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion: 91 Resp: 2822333
 Ion Ratio Lower Upper
 91 100
 126 17.9 13.9 20.9
 128 5.7 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.667 ppbv

RT: 17.48 min Scan# 4522

Delta R.T. -0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 105 Resp: 6747055

Ion Ratio Lower Upper

105 100

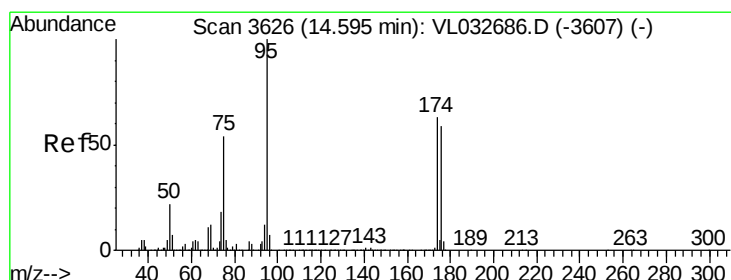
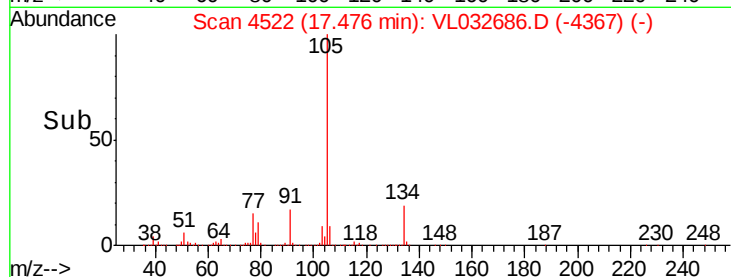
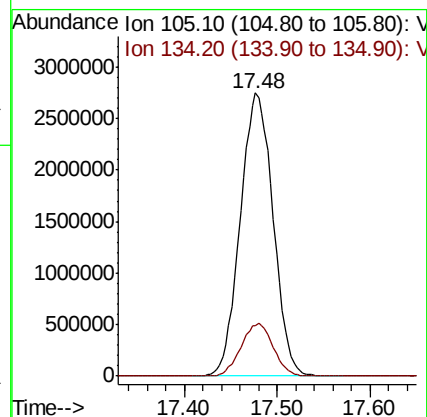
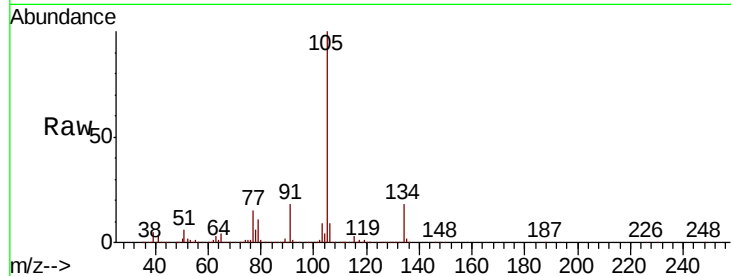
134 18.2 14.2 21.2

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.427 ppbv

RT: 14.60 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

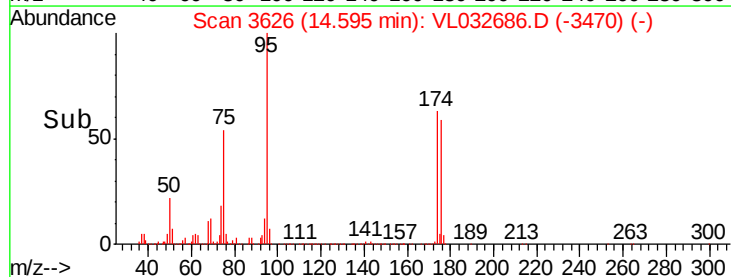
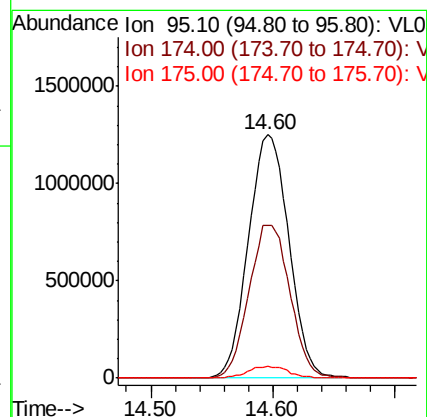
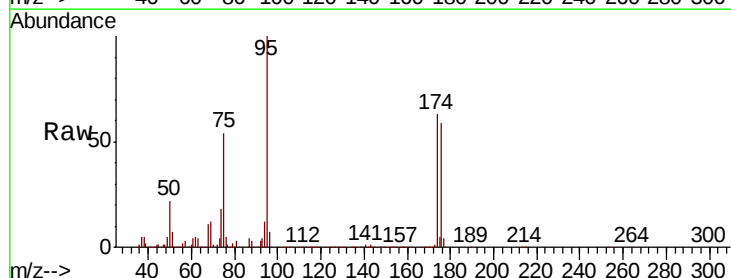
Tgt Ion: 95 Resp: 2870609

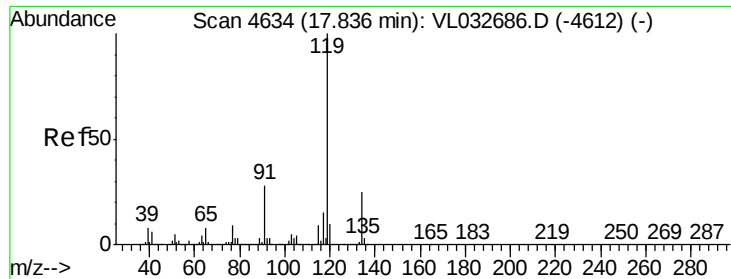
Ion Ratio Lower Upper

95 100

174 64.0 46.0 69.0

175 4.8 3.4 5.0





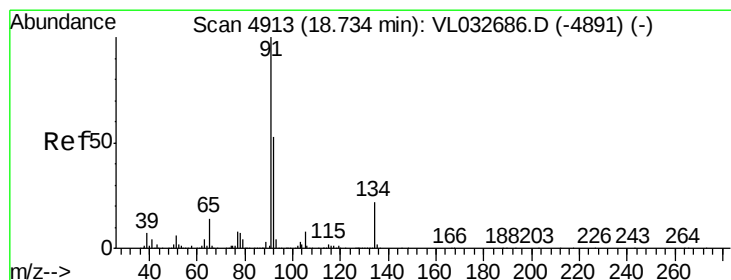
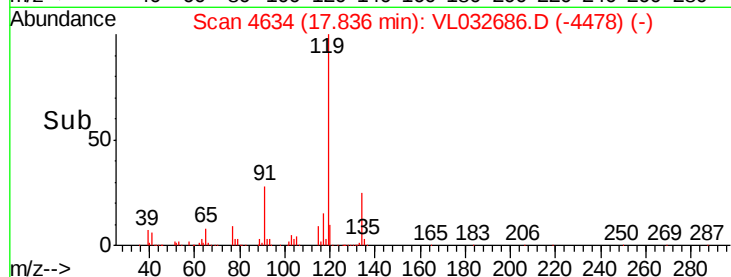
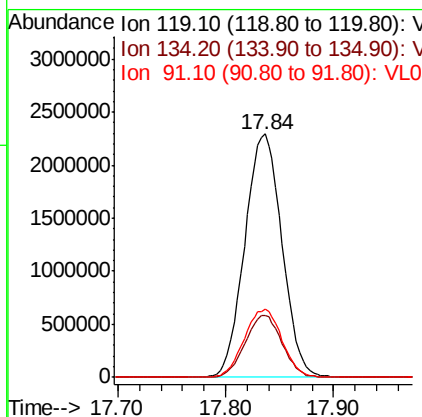
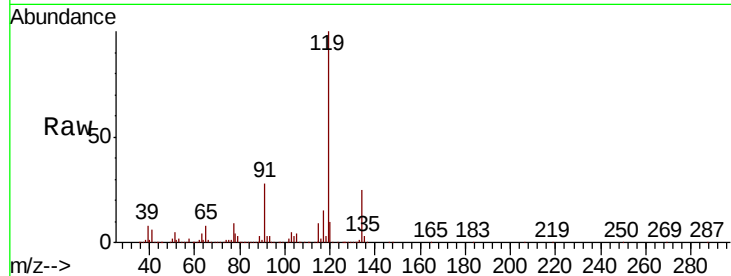
#69
 p-Isopropyltoluene
 Concen: 10.930 ppbv
 RT: 17.84 min Scan# 4634
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.2
91	28.5	24.0	36.0

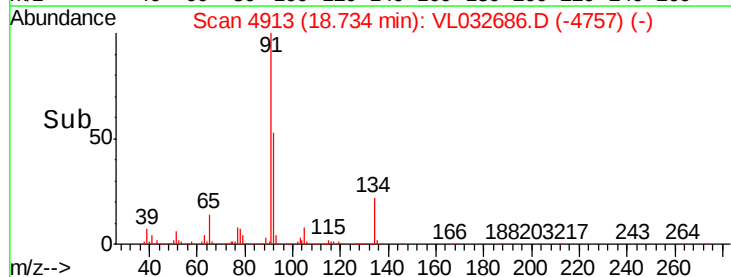
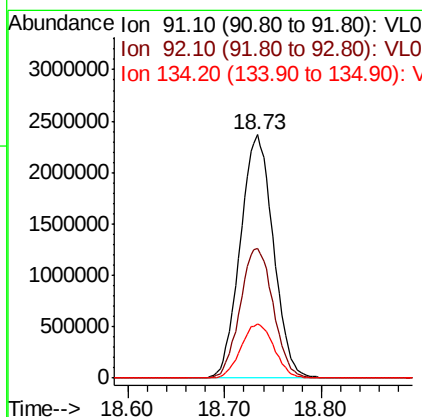
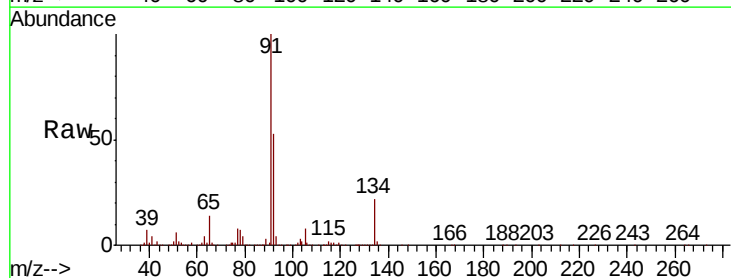
Manual Integrations
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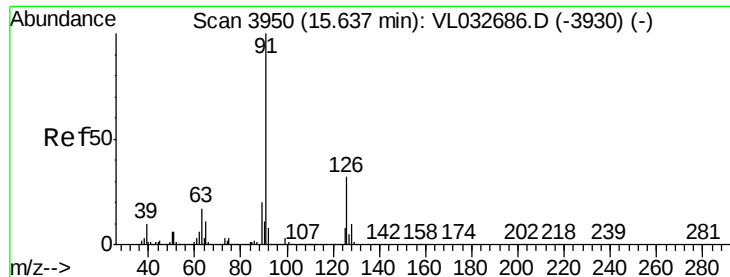
MMDadoda
 10/26/2018 3:39:32 PM



#70
 n-Butylbenzene
 Concen: 10.894 ppbv
 RT: 18.73 min Scan# 4913
 Delta R.T. 0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.0	64.4
134	22.3	17.0	25.6





#71

2-Chlorotoluene

Concen: 11.053 ppbv

RT: 15.64 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 4101871

Ion Ratio Lower Upper

91 100

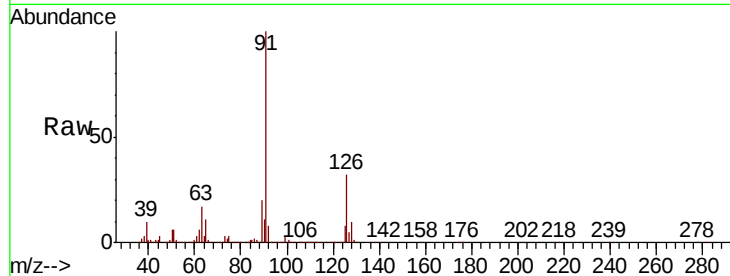
126 30.9 11.8 47.4

Manual Integrations

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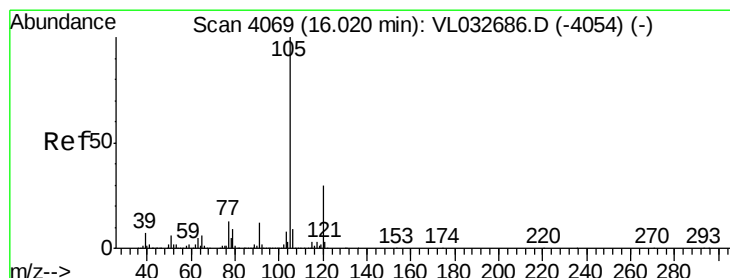
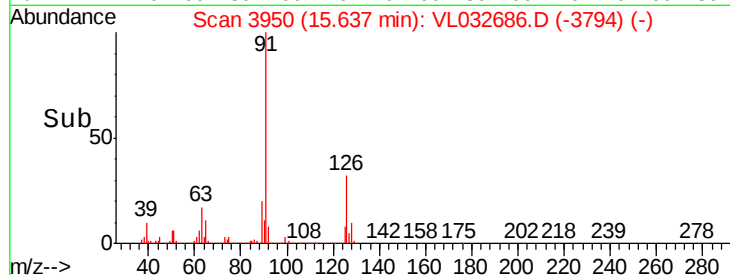
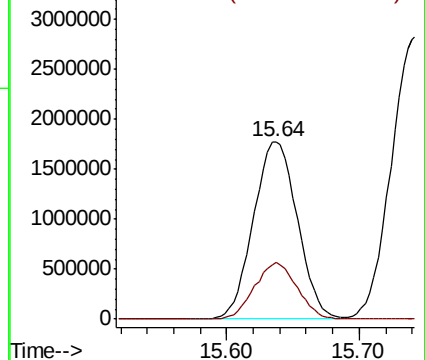
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.464 ppbv

RT: 16.02 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Tgt Ion: 105 Resp: 4504910

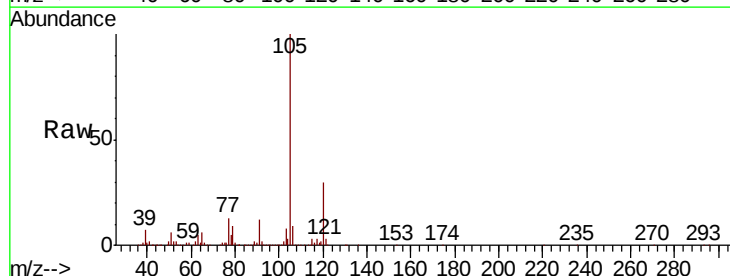
Ion Ratio Lower Upper

105 100

120 29.2 23.7 35.5

91 12.6 10.4 15.6

77 13.9 11.4 17.2

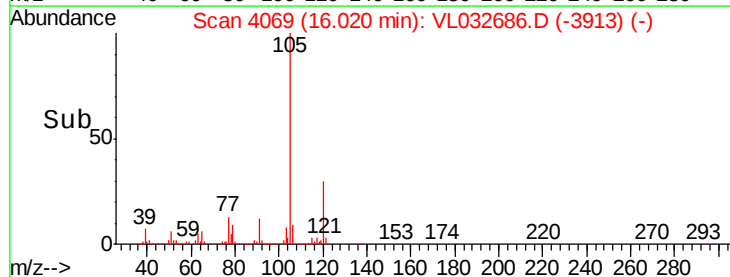
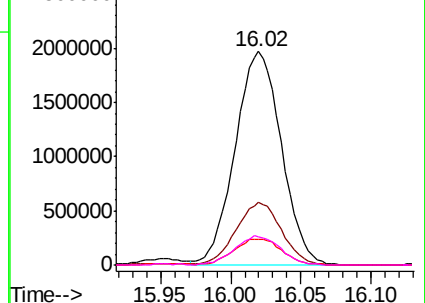


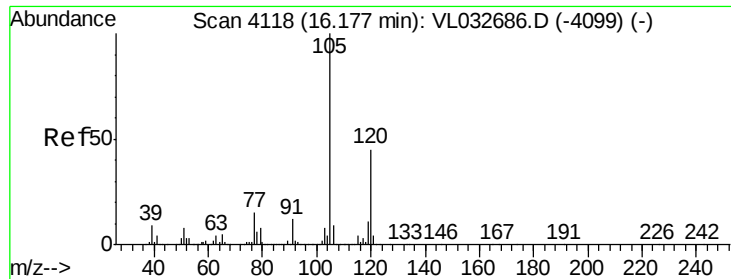
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





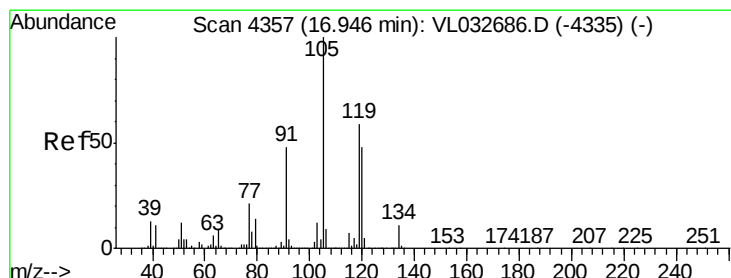
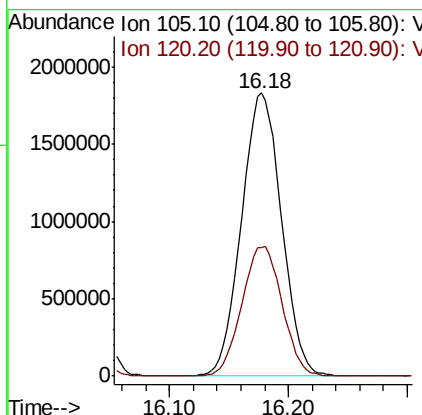
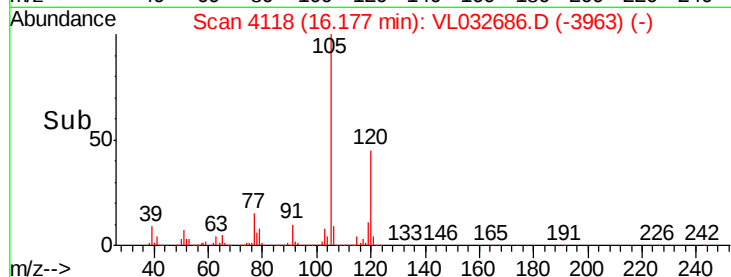
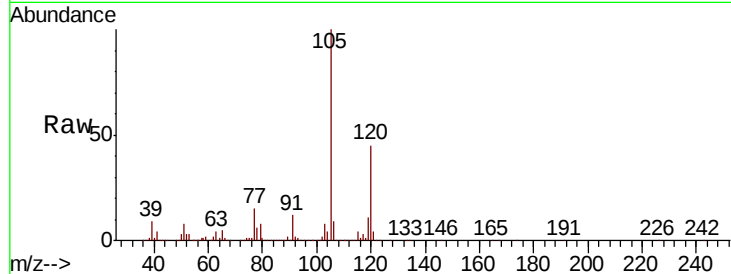
#73
 1,3,5-Trimethylbenzene
 Concen: 11.103 ppbv
 RT: 16.18 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 4249721
 Ion Ratio Lower Upper
 105 100
 120 45.3 35.4 53.2

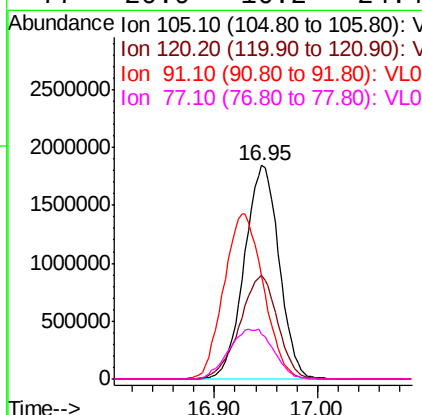
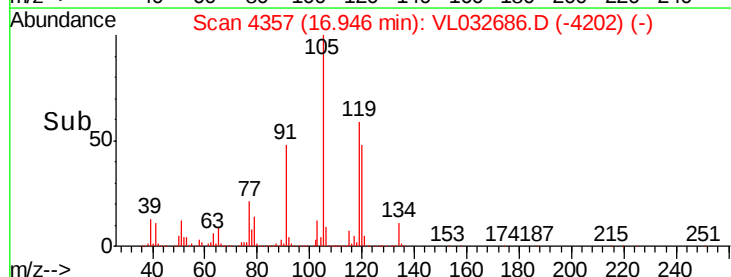
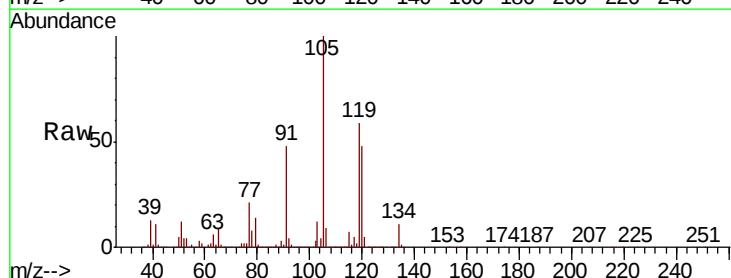
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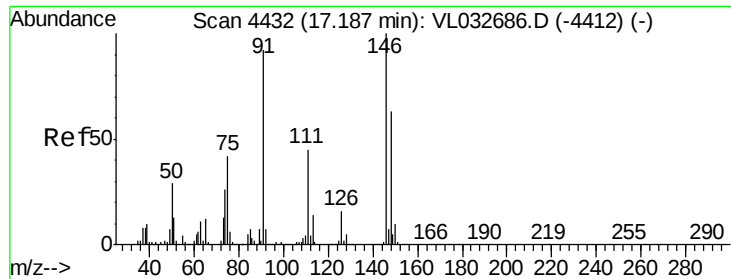
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 10/26/2018 3:39:32 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.552 ppbv
 RT: 16.95 min Scan# 4357
 Delta R.T. -0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion:105 Resp: 4313108
 Ion Ratio Lower Upper
 105 100
 120 48.3 35.8 53.8
 91 48.2 33.2 49.8
 77 20.9 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 10.156 ppbv

RT: 17.19 min Scan# 4432

Delta R.T. 0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 2387209

Ion Ratio Lower Upper

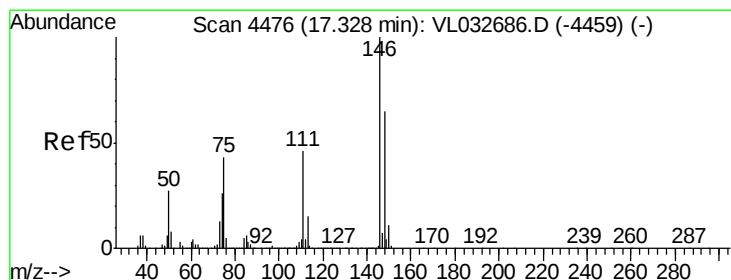
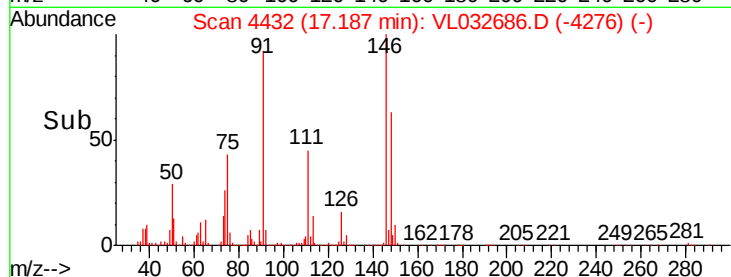
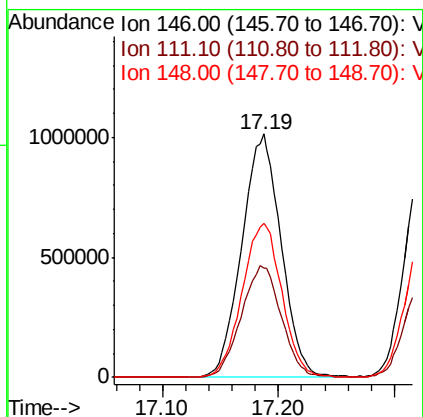
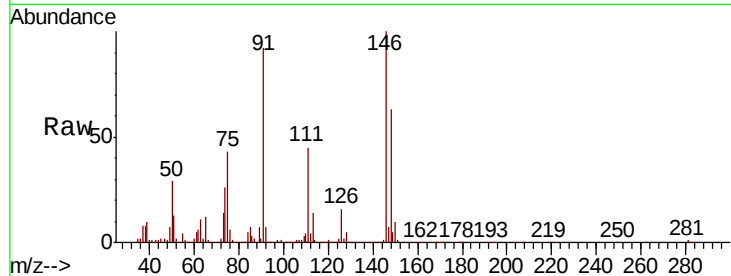
146 100

111 46.8 24.4 73.2

148 64.1 31.9 95.9

Manual Integrations
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MMDadoda
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#76

1,4-Dichlorobenzene

Concen: 10.763 ppbv

RT: 17.33 min Scan# 4476

Delta R.T. -0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

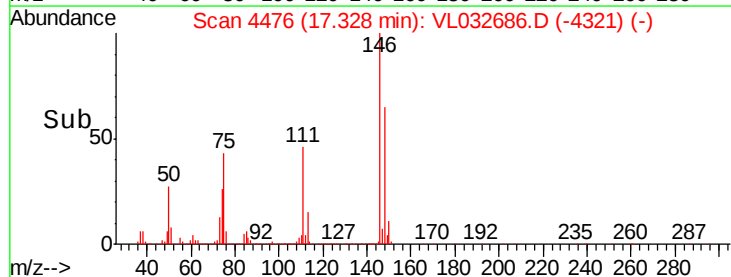
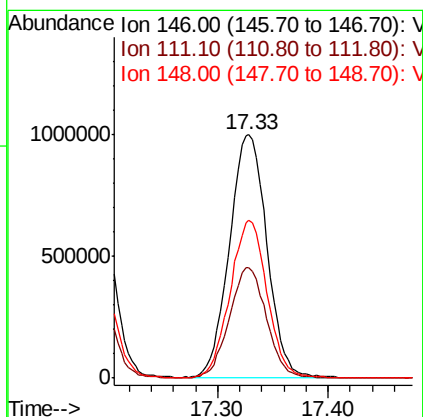
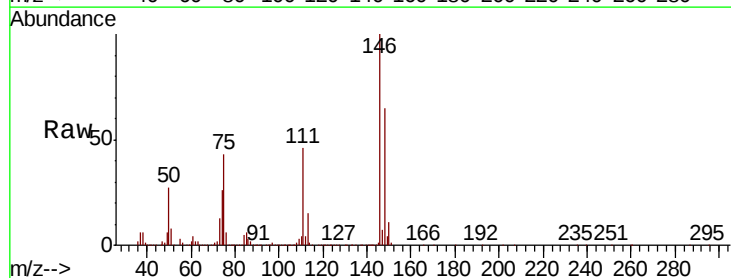
Tgt Ion:146 Resp: 2334519

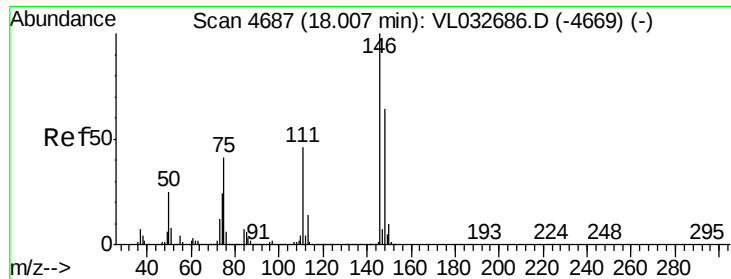
Ion Ratio Lower Upper

146 100

111 45.4 23.7 71.1

148 65.1 32.1 96.3





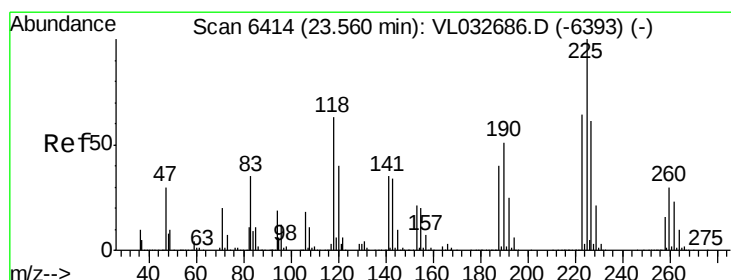
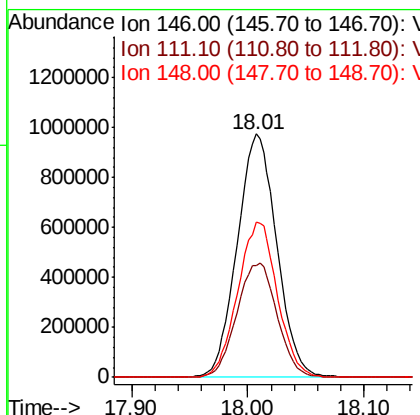
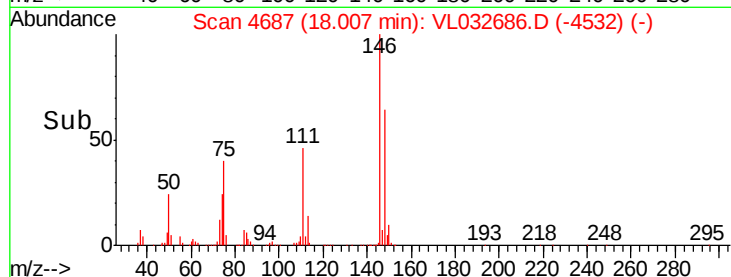
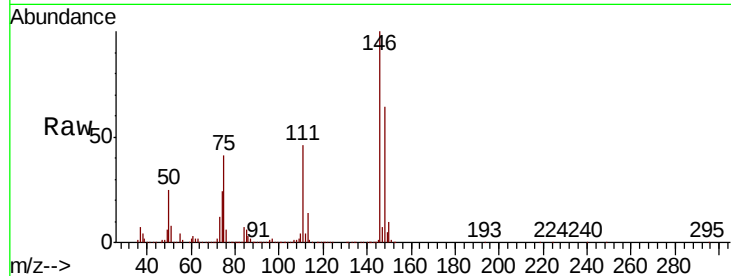
#77
 1,2-Dichlorobenzene
 Concen: 10.330 ppbv
 RT: 18.01 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 2300430
 Ion Ratio Lower Upper
 146 100
 111 48.2 25.3 75.8
 148 64.2 31.9 95.9

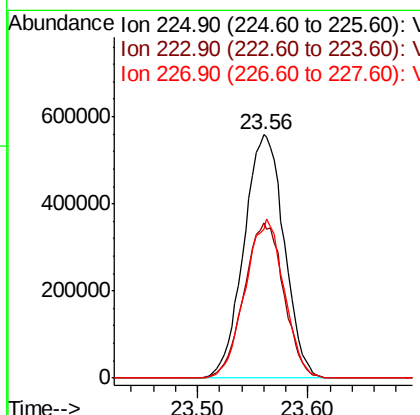
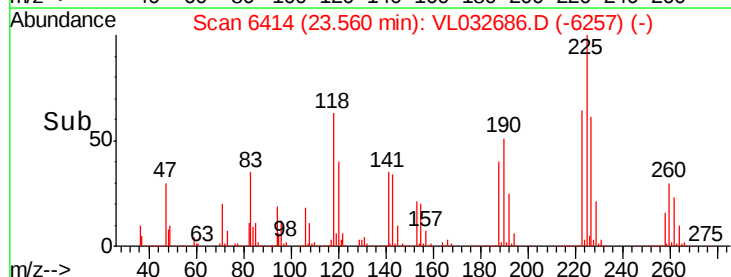
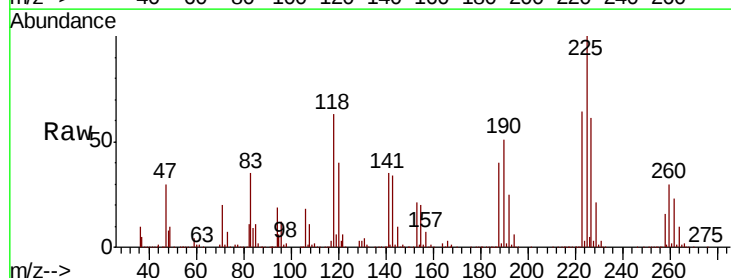
Manual Integrations
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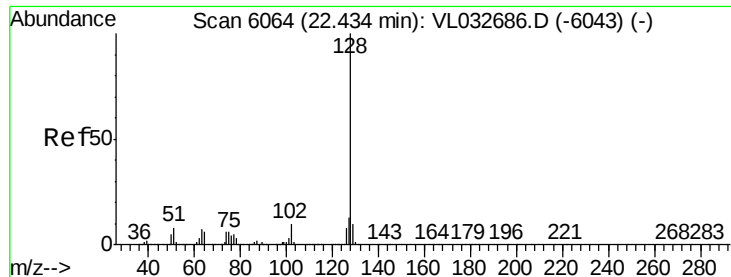
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 13.410 ppbv
 RT: 23.56 min Scan# 6414
 Delta R.T. 0.01 min
 Lab File: VL032686.D
 Acq: 24 Oct 2018 14:02

Tgt Ion:225 Resp: 1410948
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.7 76.1
 227 63.2 50.7 76.1





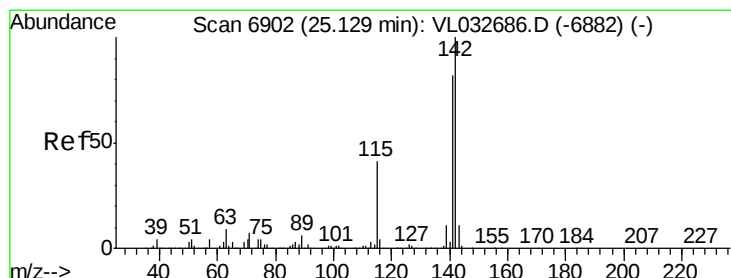
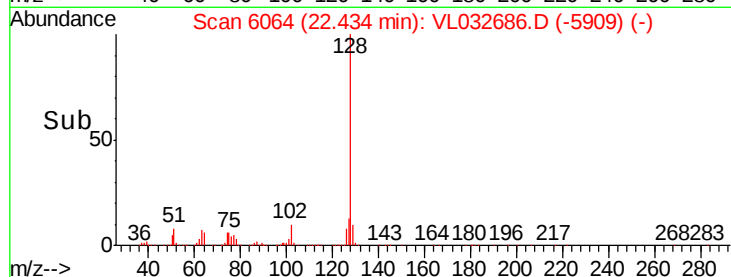
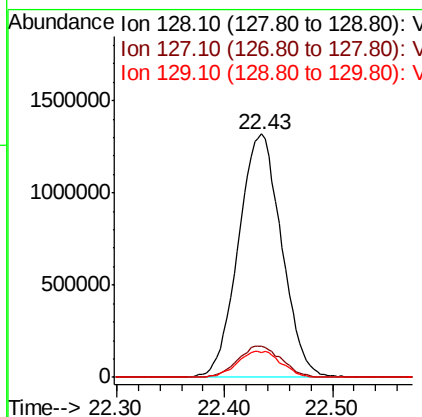
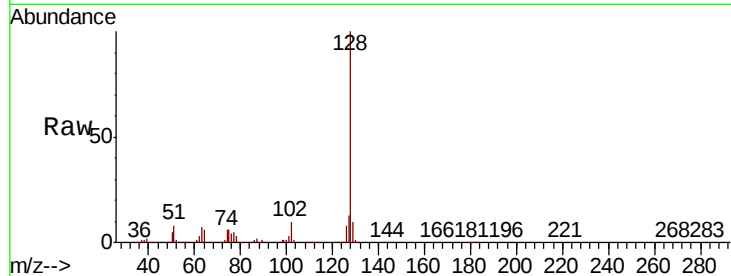
#79
Naphthalene
Concen: 14.379 ppbv
RT: 22.43 min Scan# 6064
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.3	8.6	13.0

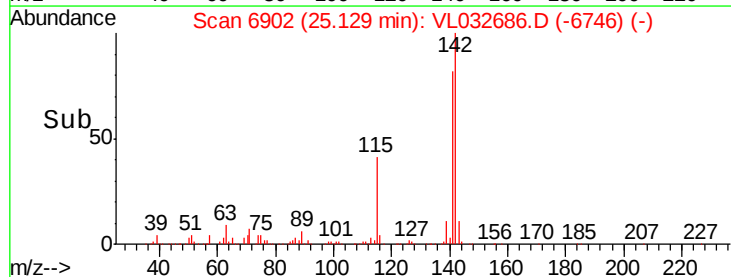
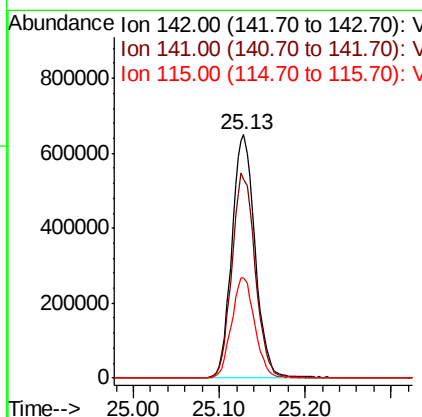
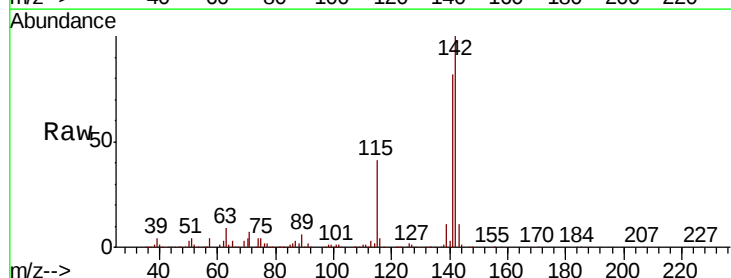
Manual Integrations
APPROVED

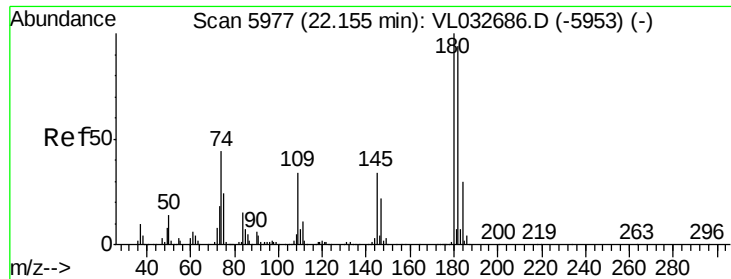
MMDadoda
10/26/2018 3:39:32 PM



#80
Naphthalene, 2-methyl-
Concen: 19.633 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.3	67.5	101.3
115	41.4	33.5	50.3





#81

1,2,4-Trichlorobenzene

Concen: 13.857 ppbv

RT: 22.15 min Scan# 5977

Delta R.T. -0.00 min

Lab File: VL032686.D

Acq: 24 Oct 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 1823333

Ion Ratio Lower Upper

180 100

182 94.5 76.5 114.7

184 29.9 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

10/26/2018 3:39:32 PM

