

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL032997.D
 Acq On : 17 Dec 2018 13:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 1:56:37 PM

Quant Time: Dec 18 01:22:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1225073	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3020926	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3440726m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2524319	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1713526	10.478	ppbv	99
3) Chlorodifluoromethane	3.02	51	946021	10.196	ppbv	98
4) Chloromethane	3.17	50	518687	9.603	ppbv	98
5) Vinyl Chloride	3.29	62	536806	9.767	ppbv	99
6) Bromomethane	3.52	94	351339	10.221	ppbv	97
7) Chloroethane	3.61	64	205105	10.413	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1350555	9.937	ppbv	97
9) Propene	3.04	41	400596	10.920	ppbv	97
10) Heptane	8.25	43	1305111	9.470	ppbv	100
11) Trichlorofluoromethane	4.01	101	1515441	9.835	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1075359	8.180	ppbv	100
13) Ethanol	3.65	45	91594	7.251	ppbv	96
14) Bromoethene	3.79	108	471200	10.796	ppbv	99
15) Acetone	3.91	43	971669	9.241	ppbv	98
16) 1,3-Butadiene	3.37	39	444139	10.646	ppbv	97
17) tert-Butyl alcohol	4.36	59	259214	9.682	ppbv #	82
18) 1,1-Dichloroethene	4.36	96	502522	9.760	ppbv	97
19) Isopropyl Alcohol	4.03	45	684165	10.361	ppbv	100
20) Methylene Chloride	4.41	84	423891	8.248	ppbv	99
21) Allyl Chloride	4.48	41	769985	8.985	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	639318	10.005	ppbv	100
23) Vinyl Acetate	5.16	43	2031062	11.408	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1524151	9.845	ppbv	99
25) Ethyl Acetate	5.78	43	2469377	9.941	ppbv	100
26) Hexane	5.79	57	1135052	9.897	ppbv	98
27) Carbon Disulfide	4.62	76	1499356	10.457	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	1914688	11.117	ppbv	100
29) Chloroform	5.86	83	1901703	9.294	ppbv	100
30) Cyclohexane	7.26	84	964901	10.151	ppbv	100
31) cis-1,2-Dichloroethene	5.65	61	1179329	11.206	ppbv	98
32) 1,1,1-Trichloroethane	6.63	97	1971143	9.104	ppbv	99
34) 2-Butanone	5.34	43	1549183	11.773	ppbv	100
35) Carbon Tetrachloride	7.14	117	2139869	9.012	ppbv	100
36) Benzene	7.01	78	2294201	10.325	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1452593	9.602	ppbv	98
38) Trichloroethene	7.97	130	944622	10.215	ppbv	99
39) 1,2-Dichloropropane	7.75	63	820836	9.741	ppbv	96
40) 1,4-Dioxane	7.97	88	283724	9.141	ppbv #	98
41) Tetrahydrofuran	6.16	42	892257	10.903	ppbv	99
42) Bromodichloromethane	7.93	83	1961690	9.359	ppbv	100
43) Methyl Methacrylate	8.15	69	866950	10.530	ppbv	99

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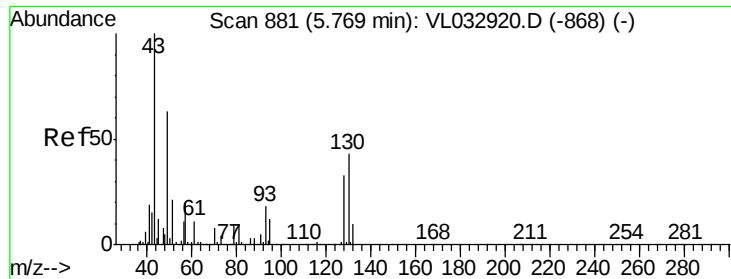
Manual Integrations
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Quant Time: Dec 18 01:22:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3689058	9.781	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1239018	12.274	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1422446	11.513	ppbv	99
47) 1,1,2-Trichloroethane	9.63	97	938853m	10.122	ppbv	
48) Dibromochloromethane	10.46	129	1760089	10.115	ppbv	99
49) Bromoform	13.21	173	1801762	12.590	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2140030	10.170	ppbv	99
51) 2-Hexanone	10.28	43	1618823	11.344	ppbv #	98
52) Tetrachloroethene	11.38	164	924996	11.445	ppbv	98
53) Toluene	9.96	91	2621760	11.125	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1453911	10.034	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1457963	9.505	ppbv	97
57) Chlorobenzene	12.31	112	2406510	9.684	ppbv	97
58) Ethyl Benzene	12.88	91	4200586	11.444	ppbv	99
59) m/p-Xylene	13.14	91	7064826m	21.230	ppbv	
60) o-Xylene	13.86	91	3305086	9.835	ppbv	99
61) Styrene	13.70	104	2496526	11.168	ppbv	99
62) Isopropylbenzene	14.84	105	5131267	10.944	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2255323	8.643	ppbv	100
64) n-propylbenzene	15.74	120	1257455	10.326	ppbv	94
65) tert-Butylbenzene	16.92	119	4427422	10.186	ppbv	99
66) Benzyl Chloride	17.17	91	2638505	10.952	ppbv	99
67) sec-Butylbenzene	17.47	105	6178363	9.641	ppbv	100
69) p-Isopropyltoluene	17.83	119	5157753	9.931	ppbv	100
70) n-Butylbenzene	18.73	91	4560260	9.544	ppbv	99
71) 2-Chlorotoluene	15.63	91	3587889	10.290	ppbv	99
72) 4-Ethyltoluene	16.01	105	3964634	10.567	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	3859772	10.538	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	3965968	9.590	ppbv	97
75) 1,3-Dichlorobenzene	17.18	146	2254052	9.255	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2189794	9.636	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2235299	9.828	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1274614	10.190	ppbv	99
79) Naphthalene	22.43	128	2818987	10.557	ppbv	98
80) Naphthalene, 2-methyl-	25.13	142	714610	12.525	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1398532	9.875	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1225073

Ion Ratio Lower Upper

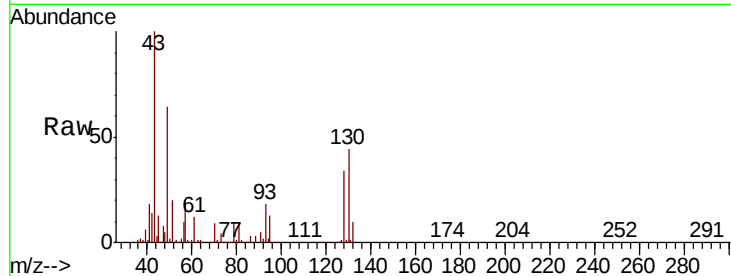
49 100

128 53.1 26.3 78.8

130 68.4 33.9 101.7

Manual Integrations
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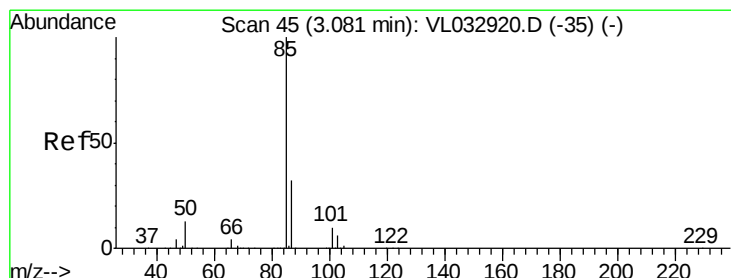
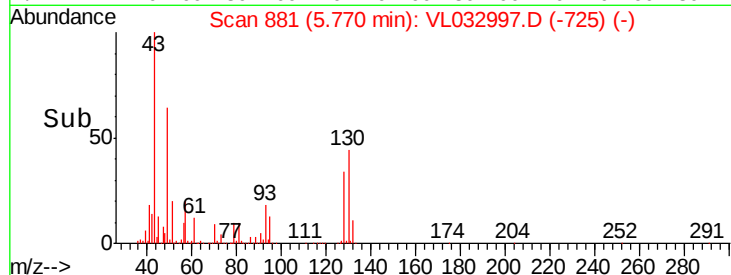
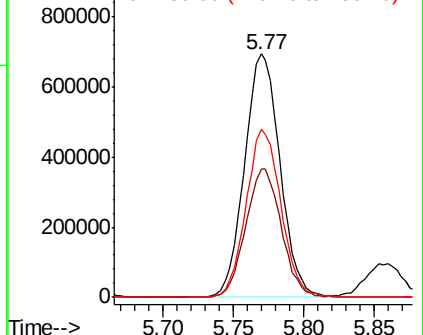
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.478 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL032997.D

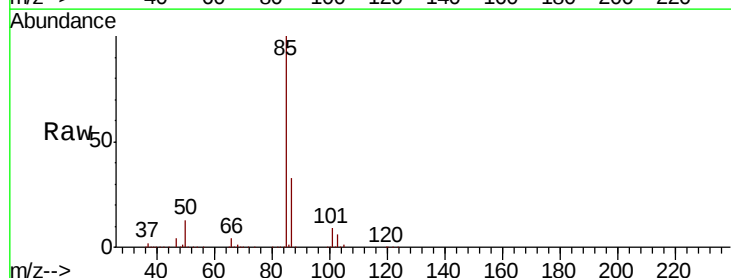
Acq: 17 Dec 2018 13:01

Tgt Ion: 85 Resp: 1713526

Ion Ratio Lower Upper

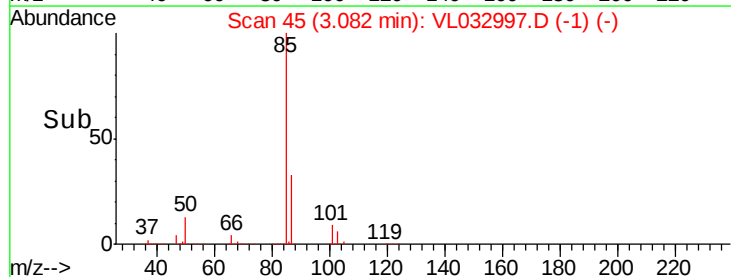
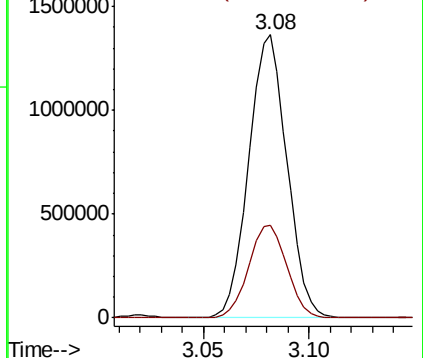
85 100

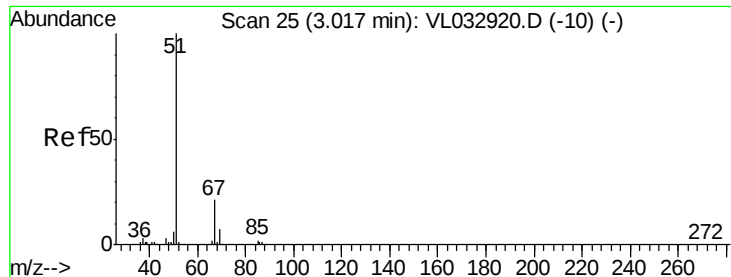
87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.196 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 946021

Ion Ratio Lower Upper

51 100

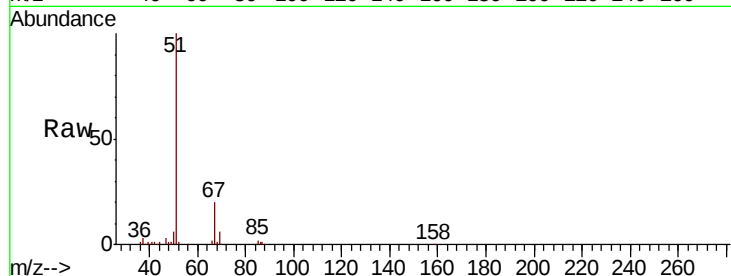
67 20.0 16.8 25.2

Manual Integrations

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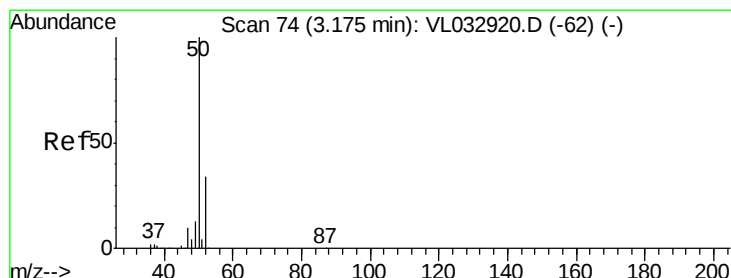
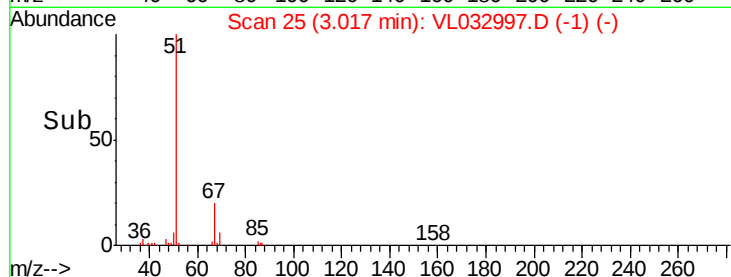
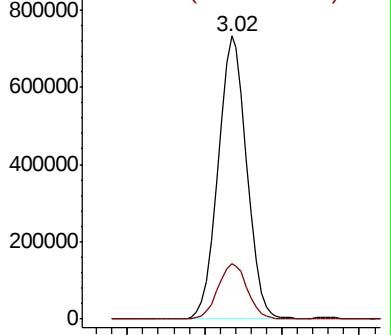
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.603 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032997.D

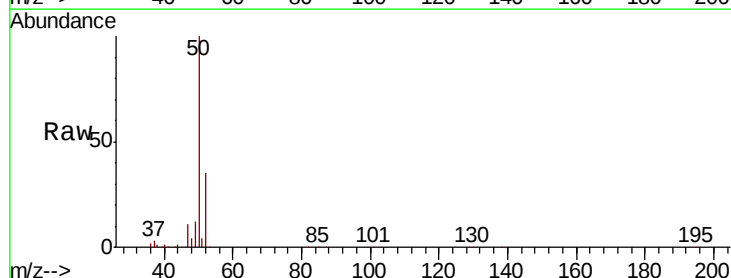
Acq: 17 Dec 2018 13:01

Tgt Ion: 50 Resp: 518687

Ion Ratio Lower Upper

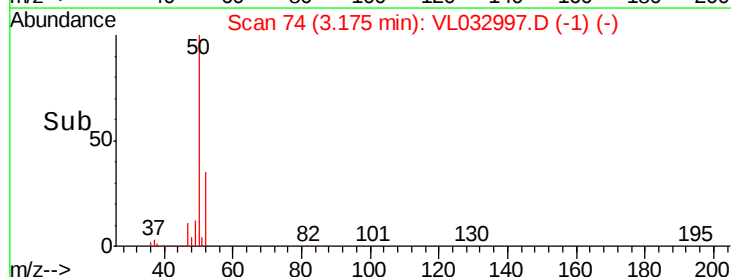
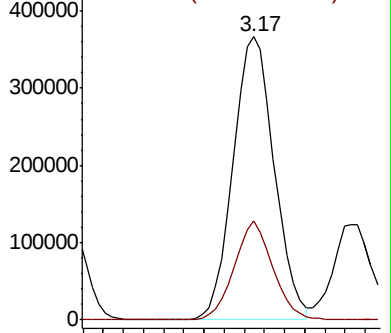
50 100

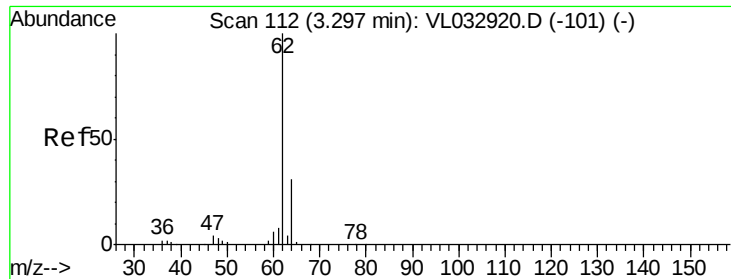
52 35.2 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.767 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 536806

Ion Ratio Lower Upper

62 100

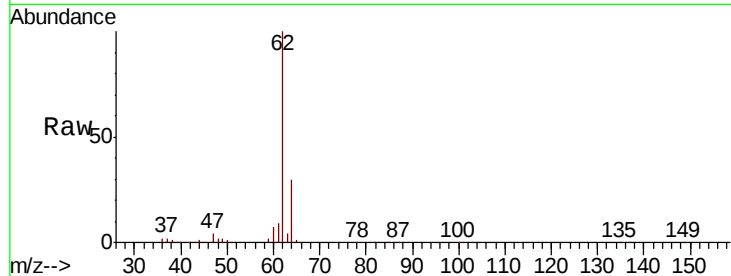
64 30.4 24.8 37.2

Manual Integrations

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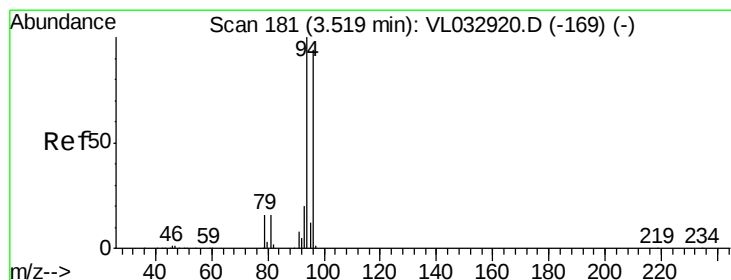
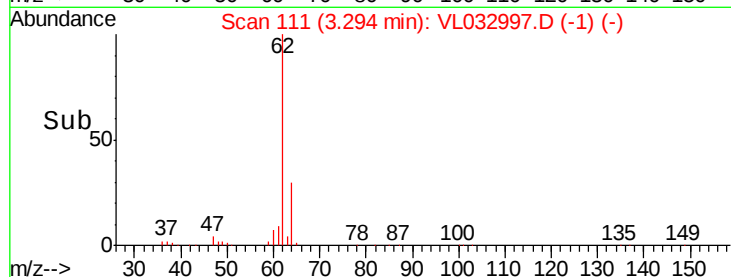
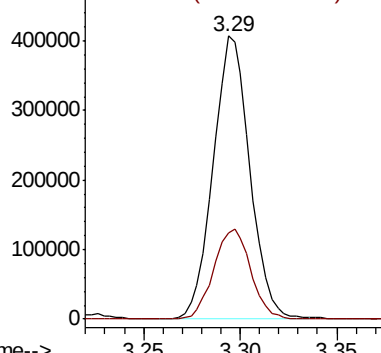
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.221 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032997.D

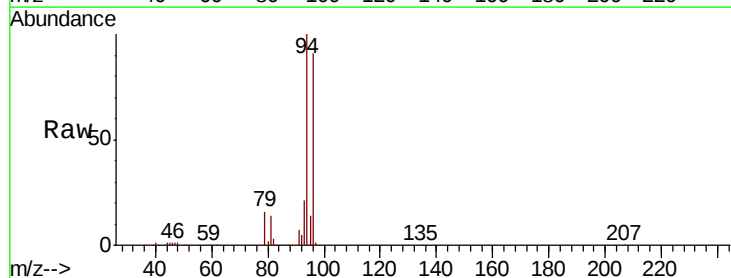
Acq: 17 Dec 2018 13:01

Tgt Ion: 94 Resp: 351339

Ion Ratio Lower Upper

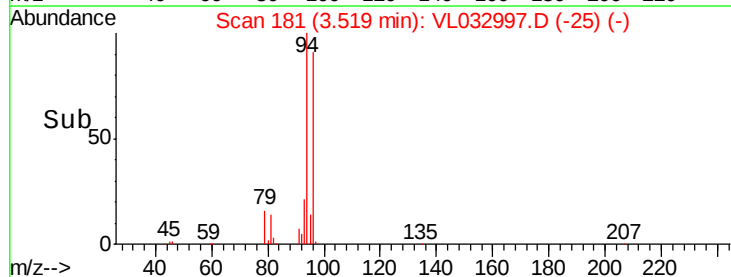
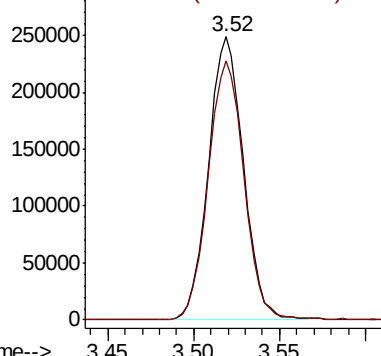
94 100

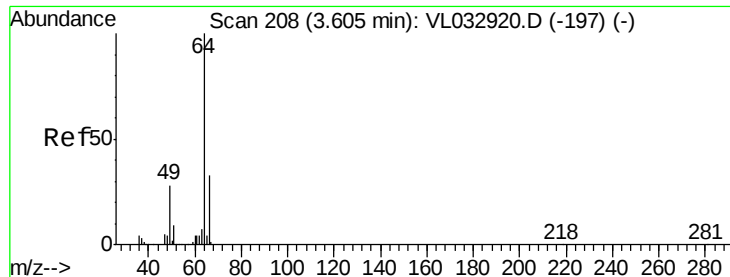
96 91.3 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.413 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 205105

Ion Ratio Lower Upper

64 100

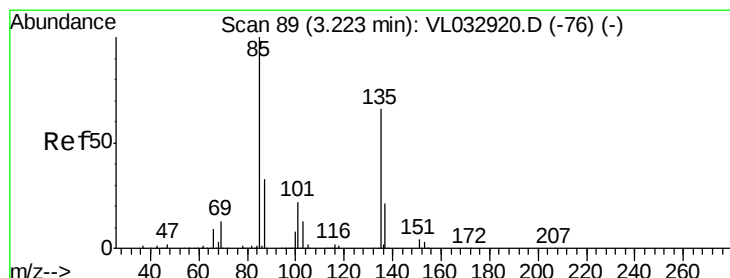
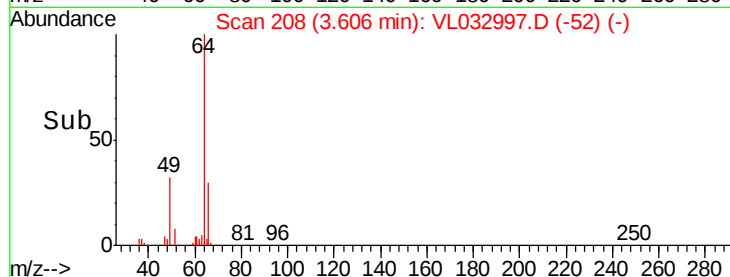
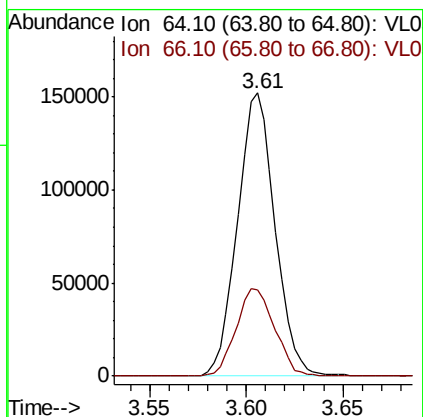
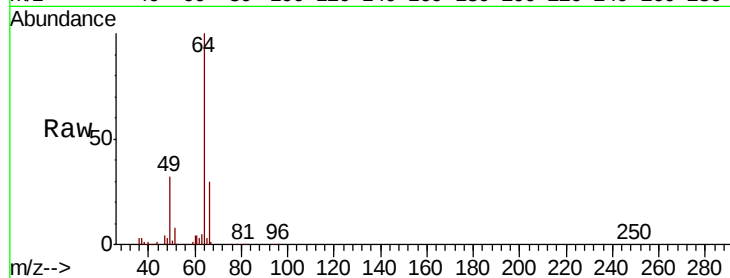
66 30.4 26.6 40.0

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.937 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL032997.D

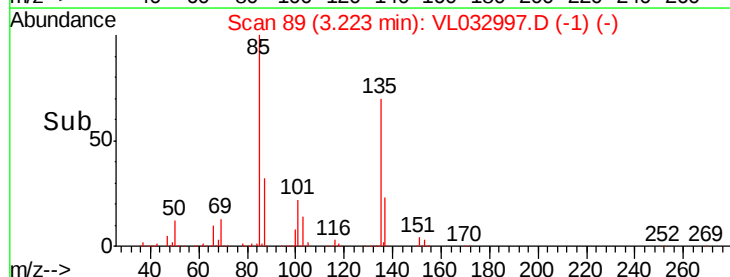
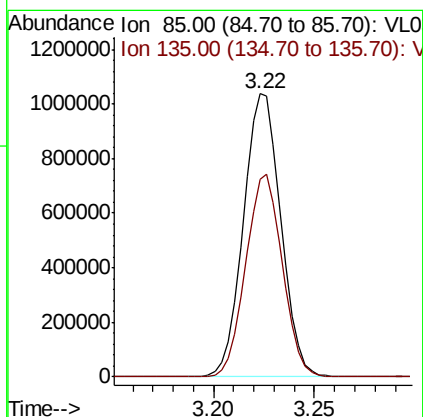
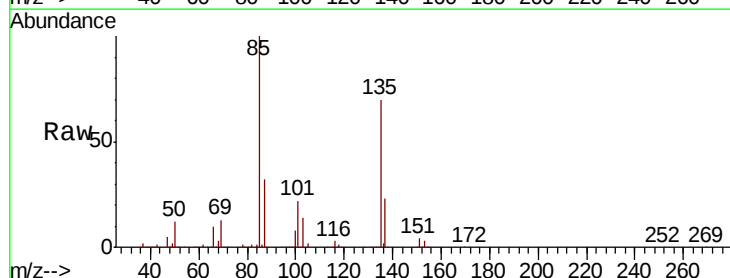
Acq: 17 Dec 2018 13:01

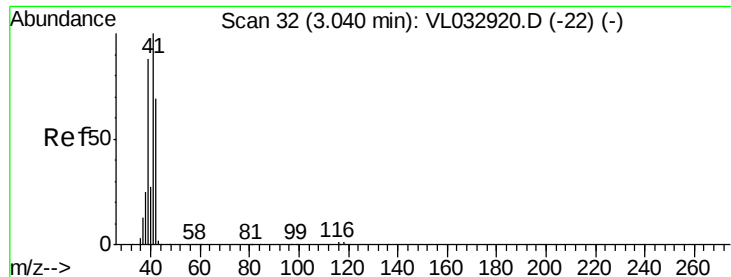
Tgt Ion: 85 Resp: 1350555

Ion Ratio Lower Upper

85 100

135 70.2 54.5 81.7





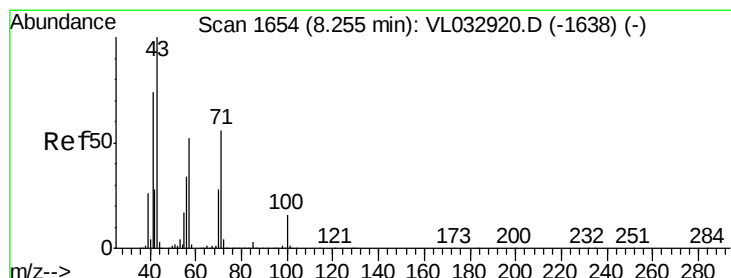
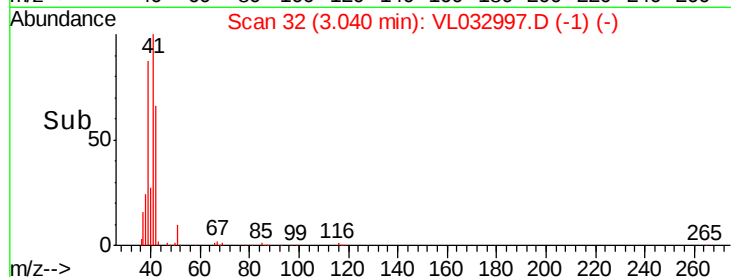
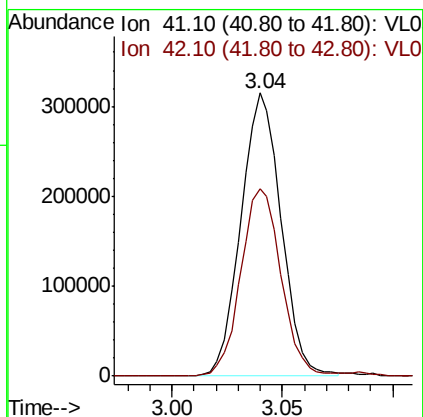
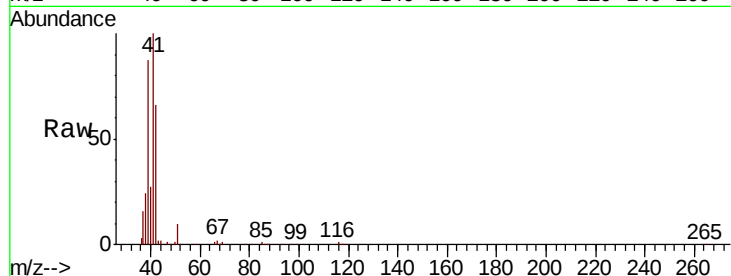
#9
 Propene
 Concen: 10.920 ppbv
 RT: 3.04 min Scan# 32
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 400596
 Ion Ratio Lower Upper
 41 100
 42 67.6 56.2 84.2

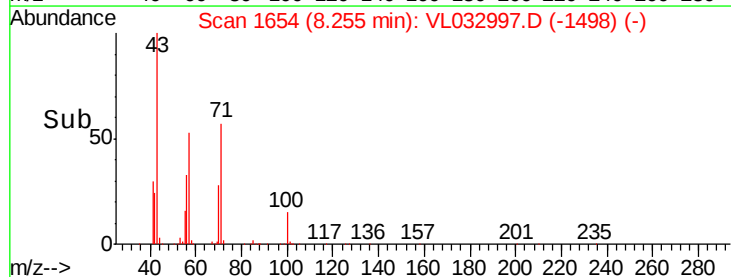
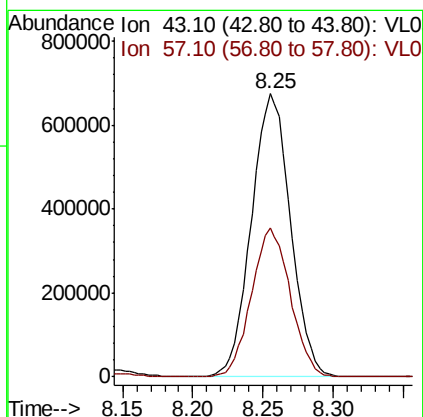
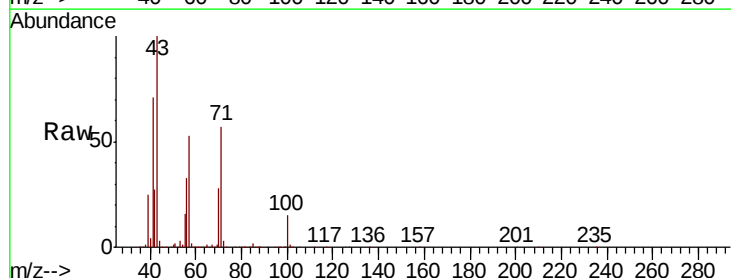
Manual Integrations
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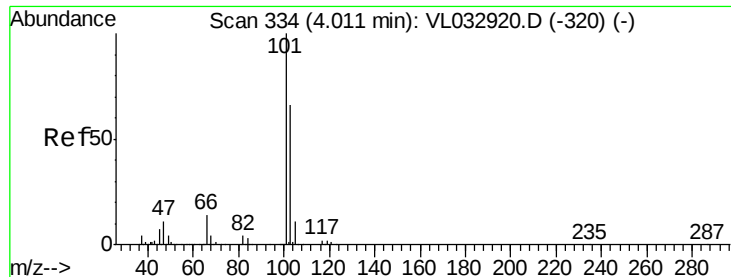
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#10
 Heptane
 Concen: 9.470 ppbv
 RT: 8.25 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Tgt Ion: 43 Resp: 1305111
 Ion Ratio Lower Upper
 43 100
 57 52.5 41.8 62.6





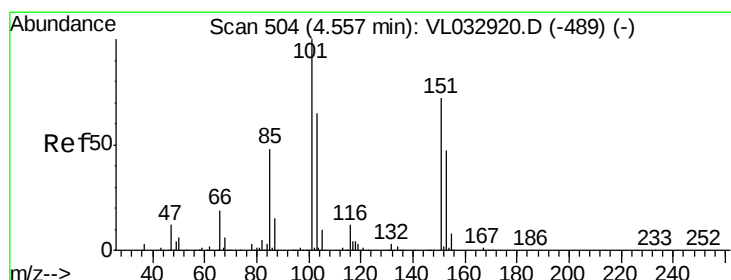
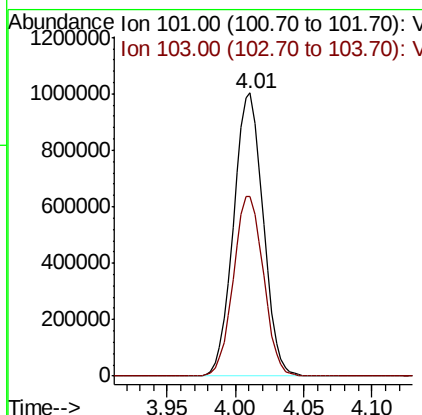
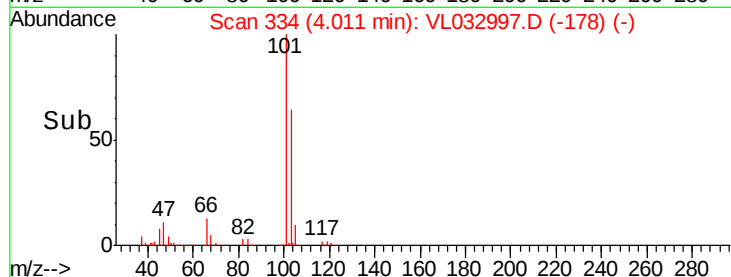
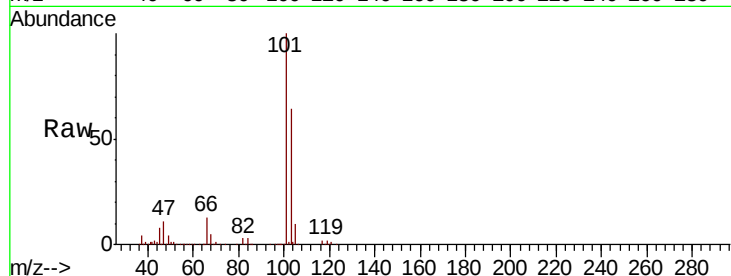
#11
 Trichlorofluoromethane
 Concen: 9.835 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1515441
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.7 79.1

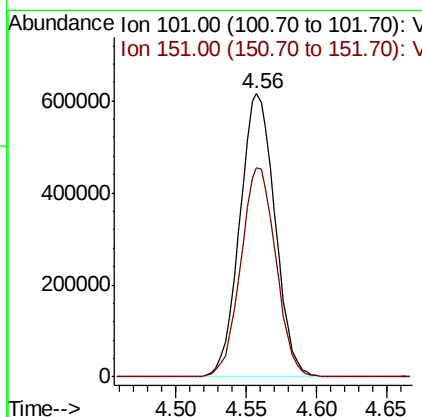
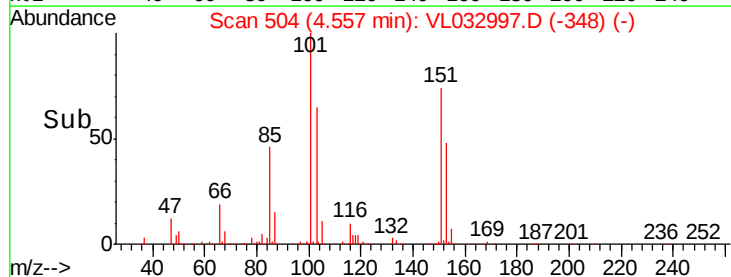
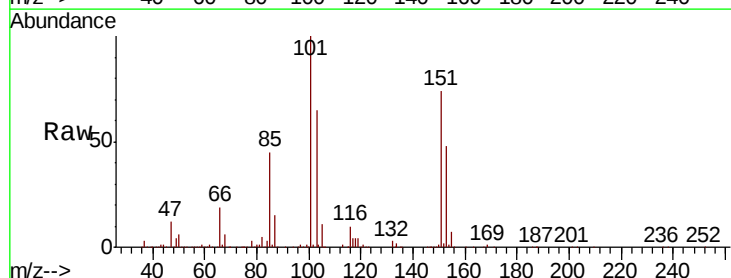
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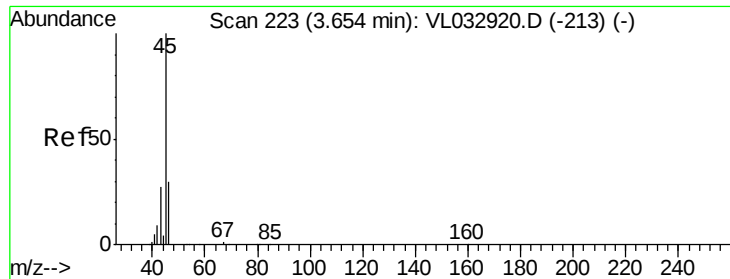
MMDadoda
 12/19/2018 1:56:37 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.180 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Tgt Ion:101 Resp: 1075359
 Ion Ratio Lower Upper
 101 100
 151 74.1 59.3 88.9





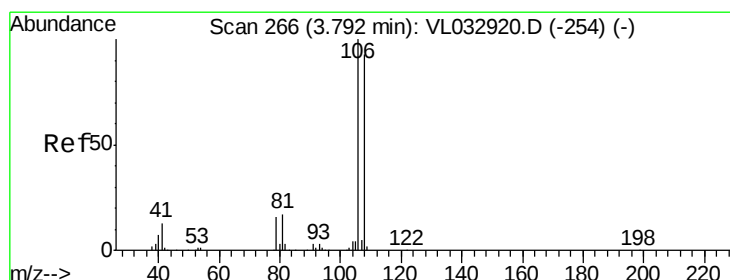
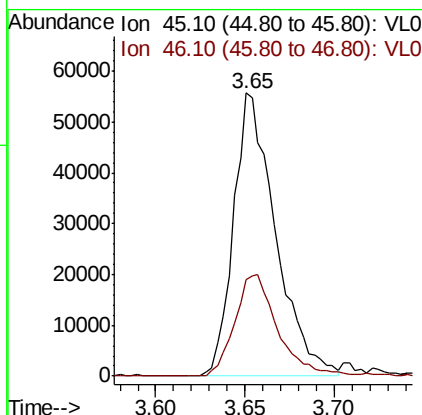
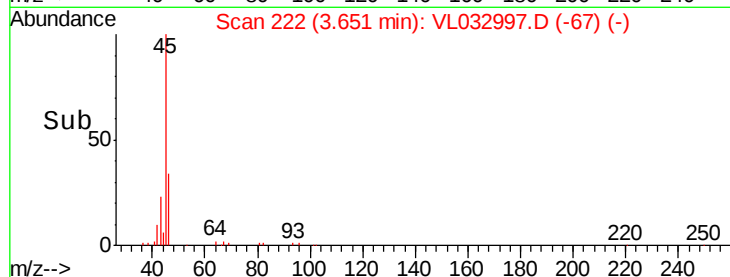
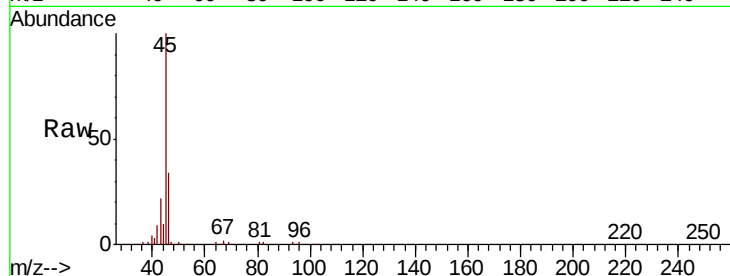
#13
Ethanol
Concen: 7.251 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 91594
Ion Ratio Lower Upper
45 100
46 37.2 13.8 55.4

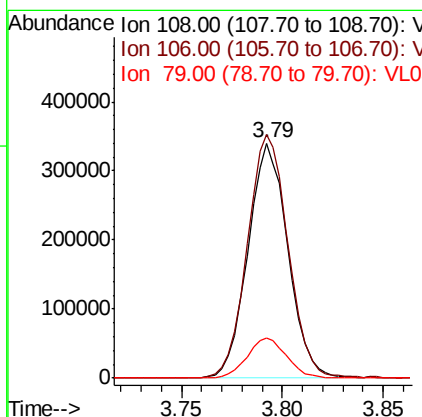
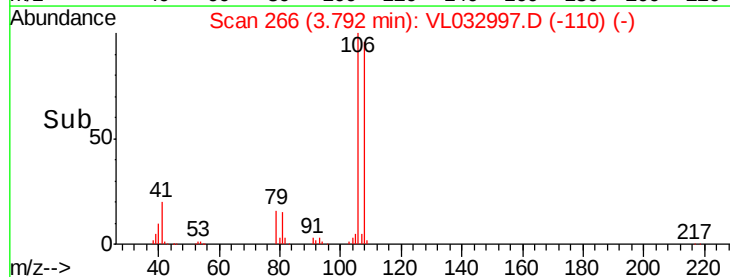
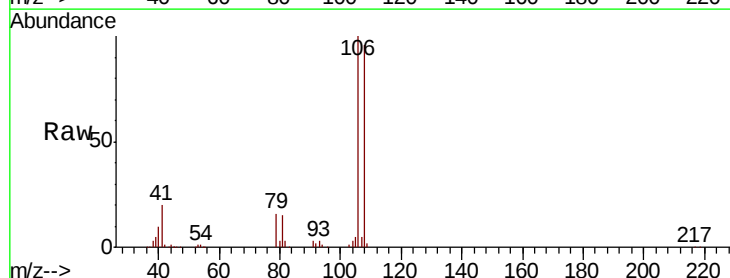
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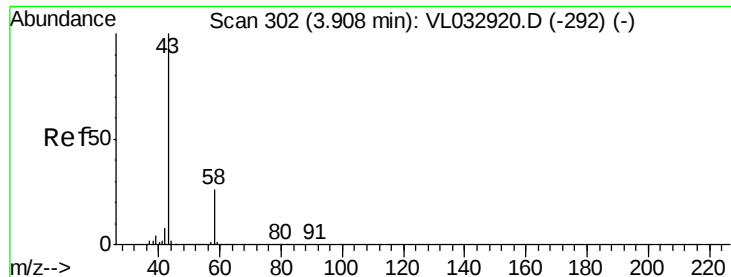
MMDadoda
12/19/2018 1:56:37 PM



#14
Bromoethene
Concen: 10.796 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion: 108 Resp: 471200
Ion Ratio Lower Upper
108 100
106 106.2 85.4 128.2
79 17.2 14.6 21.8





#15

Acetone

Concen: 9.241 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 971669

Ion Ratio Lower Upper

43 100

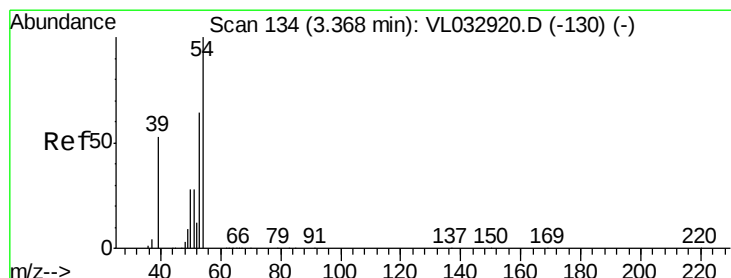
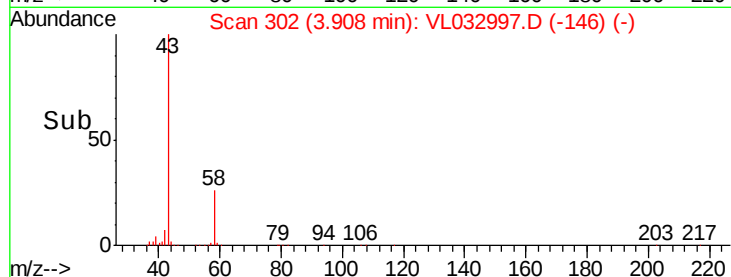
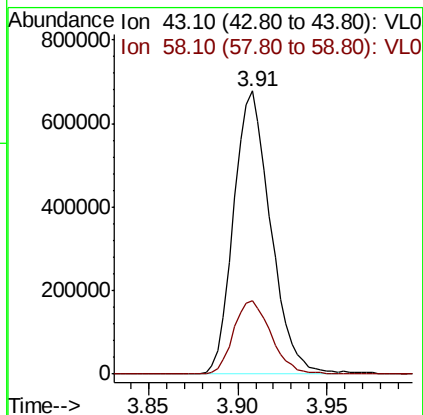
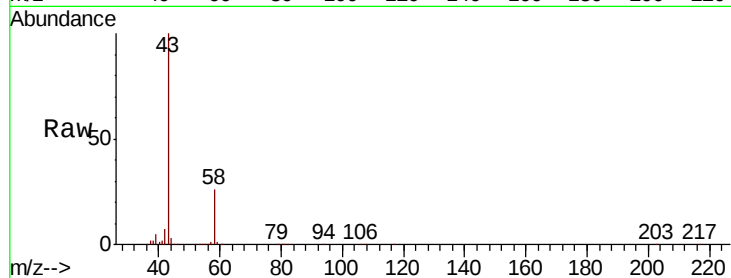
58 26.6 20.6 30.8

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.646 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL032997.D

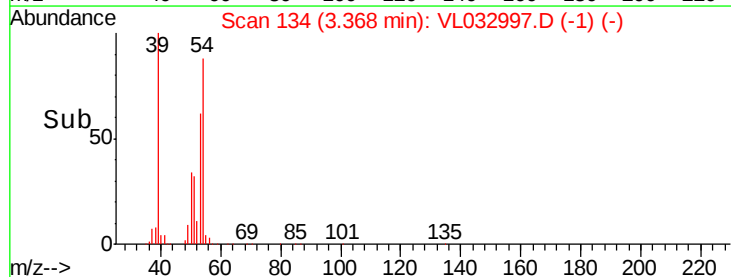
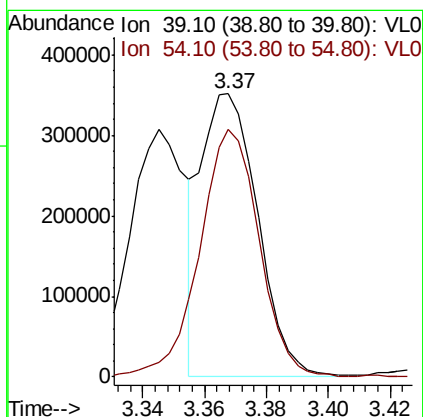
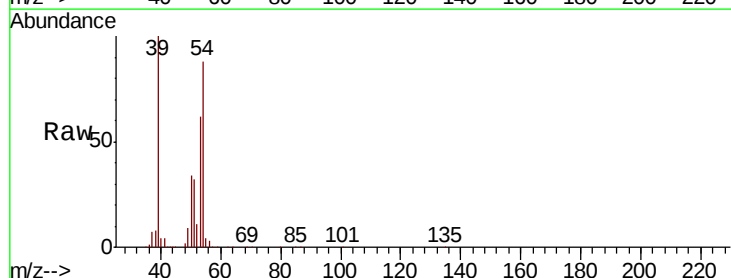
Acq: 17 Dec 2018 13:01

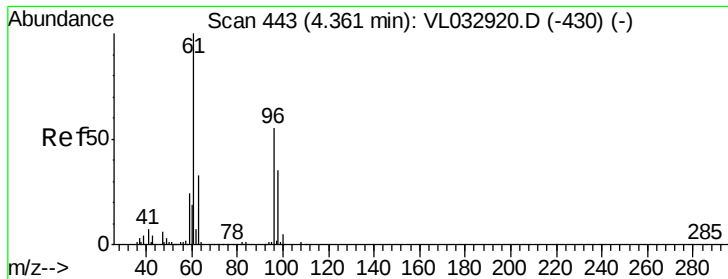
Tgt Ion: 39 Resp: 444139

Ion Ratio Lower Upper

39 100

54 93.7 72.7 109.1





#17

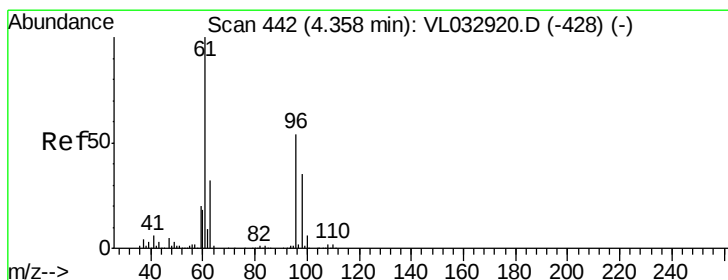
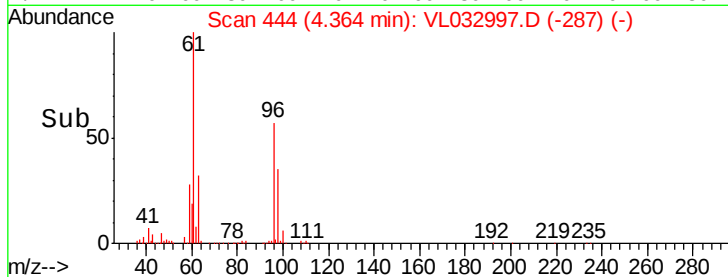
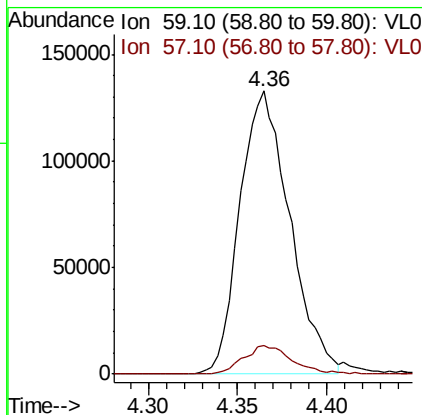
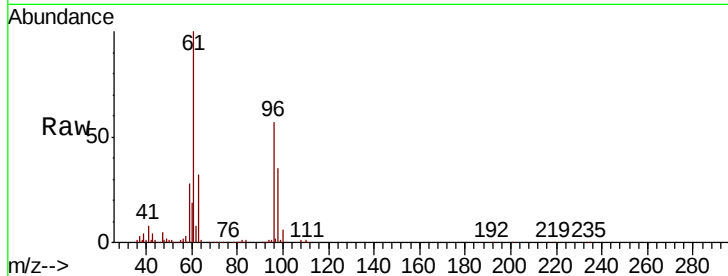
tert-Butyl alcohol
Concen: 9.682 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	59	Ratio	100	Resp	259214
Ion	59	100		Lower	Upper
	57	9.9		0.6	1.0#

Manual Integrations
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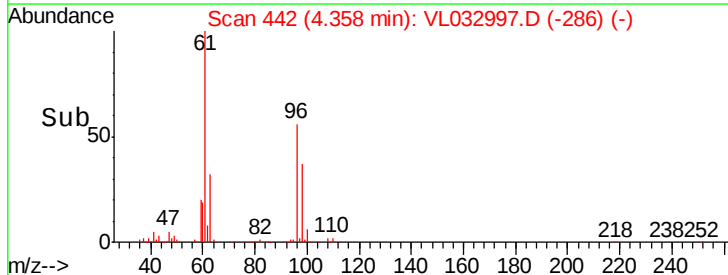
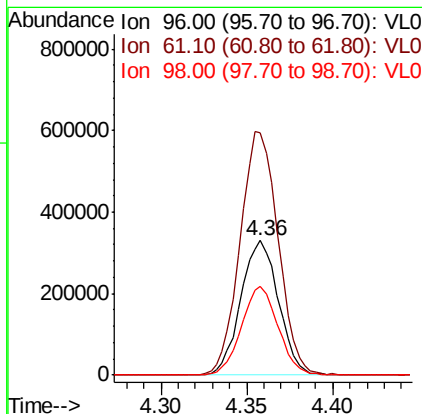
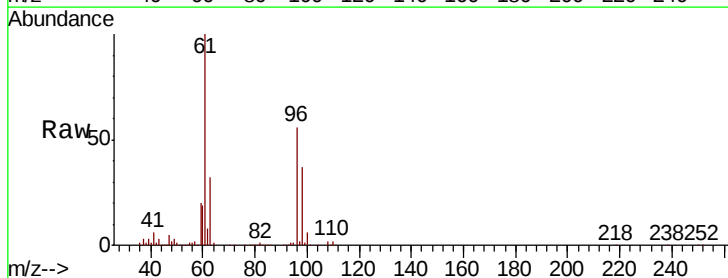
MMDadoda
12/19/2018 1:56:37 PM

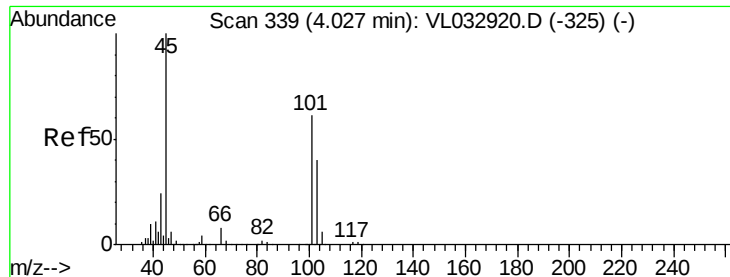


#18

1,1-Dichloroethene
Concen: 9.760 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion	96	Ratio	100	Resp	502522
Ion	96	100		Lower	Upper
	61	180.1		147.0	220.4
	98	66.3		50.7	76.1





#19

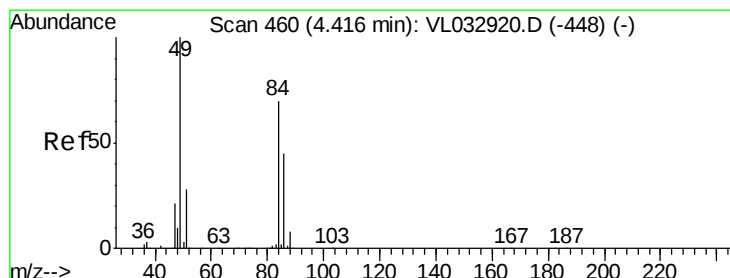
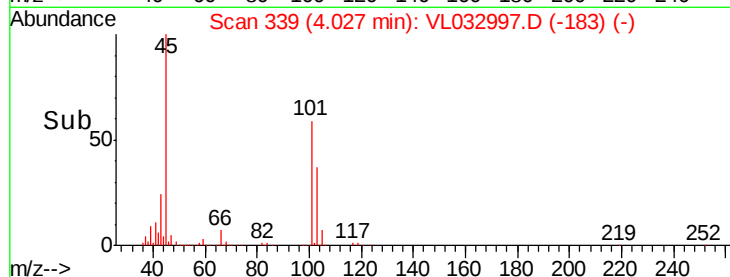
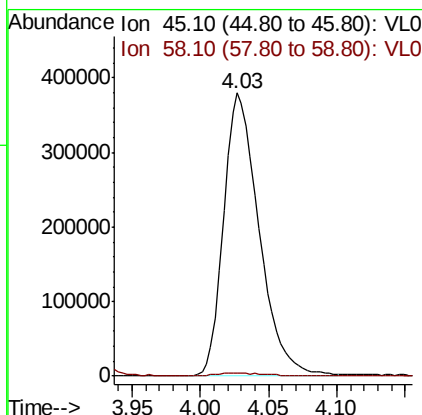
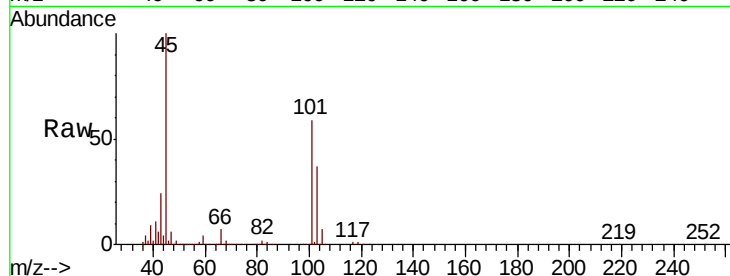
Isopropyl Alcohol
 Concen: 10.361 ppbv
 RT: 4.03 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 45 Resp: 684165
 Ion Ratio Lower Upper
 45 100
 58 1.7 1.4 2.2

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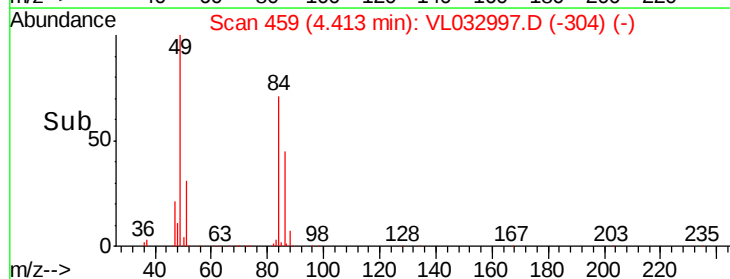
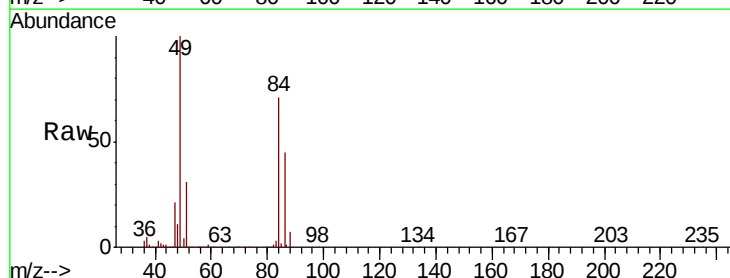
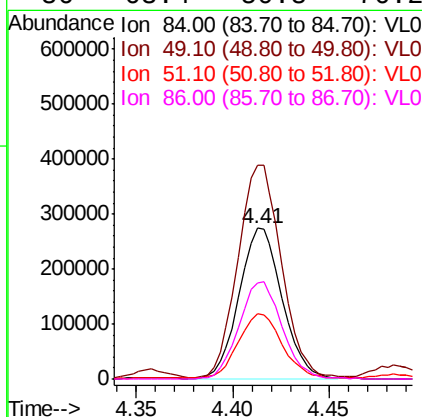
MMDadoda
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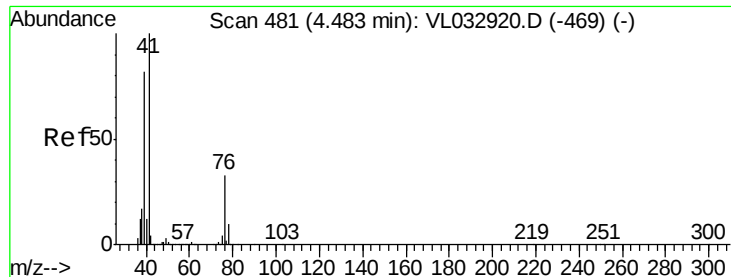


#20

Methylene Chloride
 Concen: 8.248 ppbv
 RT: 4.41 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Tgt Ion: 84 Resp: 423891
 Ion Ratio Lower Upper
 84 100
 49 141.2 113.8 170.8
 51 43.0 31.8 47.8
 86 63.4 50.8 76.2





#21

Allvl Chloride

Concen: 8.985 ppbv

RT: 4.48 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

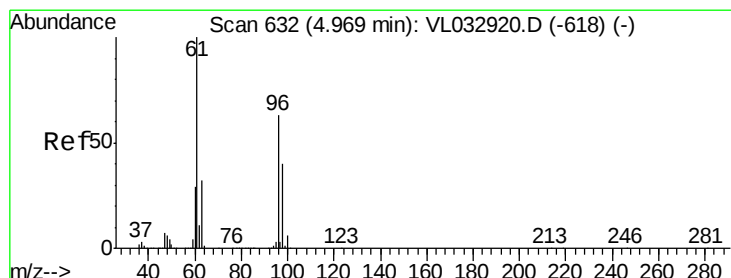
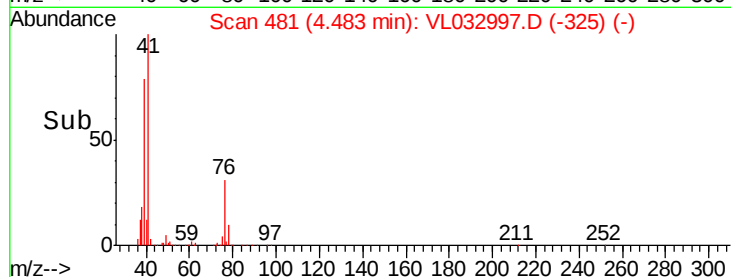
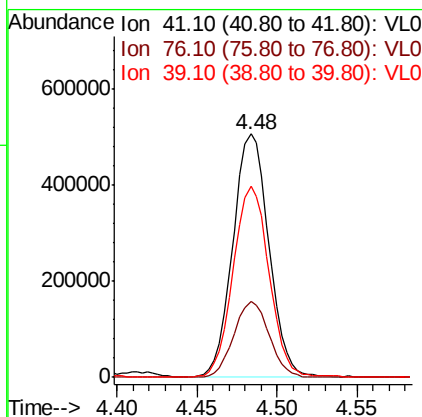
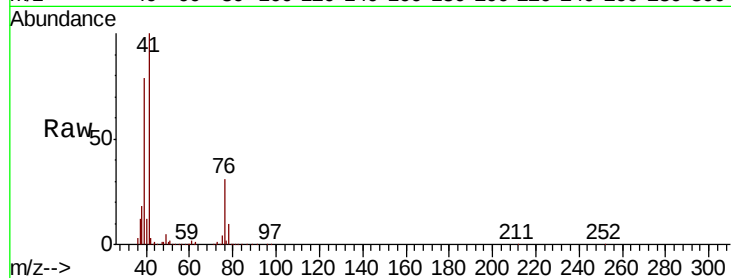
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	769985
Ion Ratio	Lower	Upper	
41	100		
76	30.9	25.2	37.8
39	78.8	65.2	97.8

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#22

trans-1,2-Dichloroethene

Concen: 10.005 ppbv

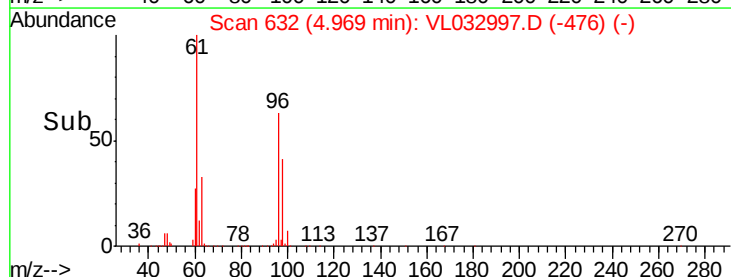
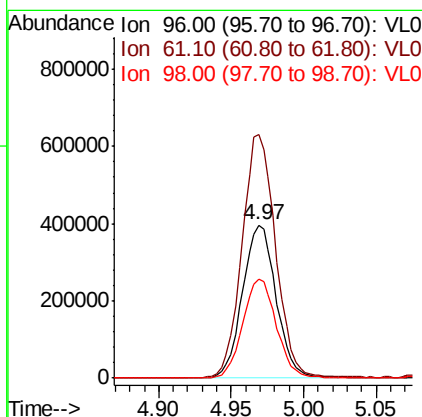
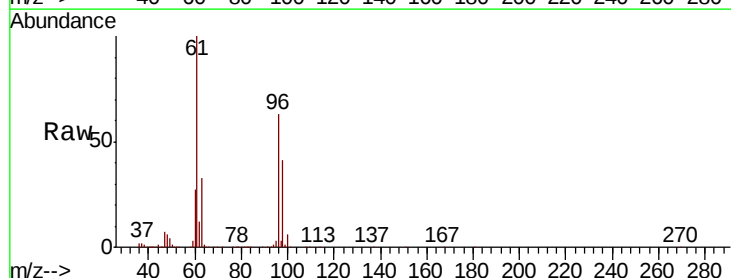
RT: 4.97 min Scan# 632

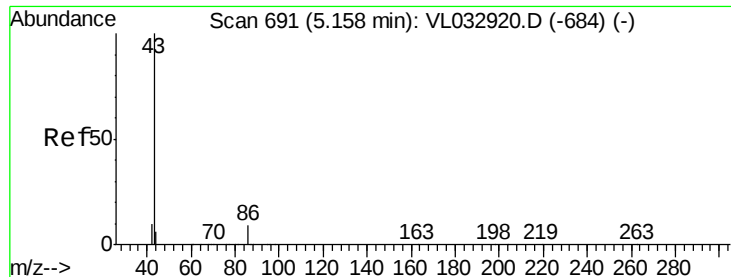
Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Tgt Ion:	96	Resp:	639318
Ion Ratio	Lower	Upper	
96	100		
61	158.9	127.1	190.7
98	64.9	51.3	76.9





#23

Vinyl Acetate

Concen: 11.408 ppbv

RT: 5.16 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2031062

Ion Ratio Lower Upper

43 100

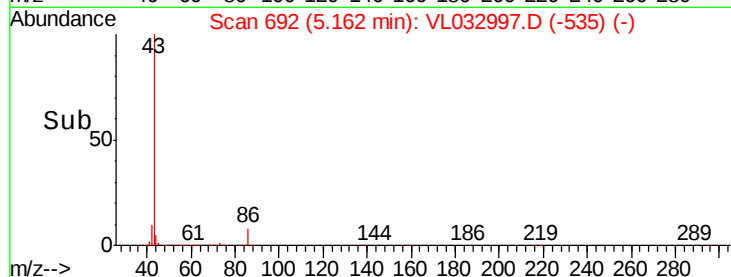
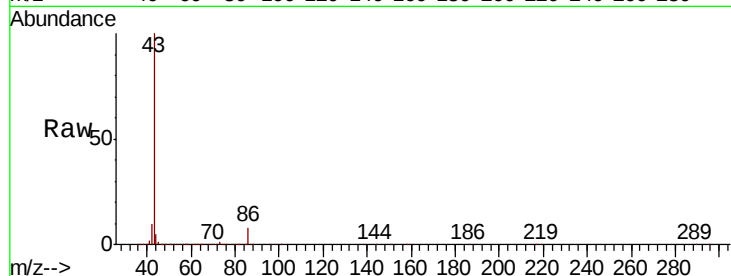
86 8.0 6.6 9.8

42 10.1 8.3 12.5

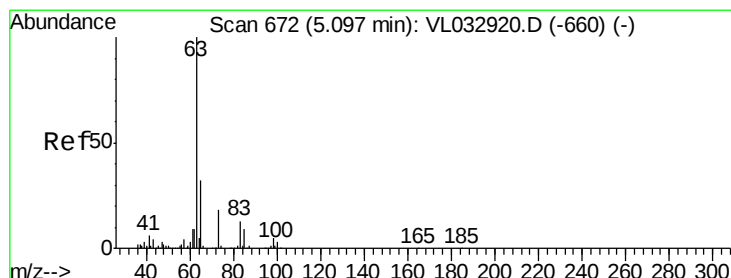
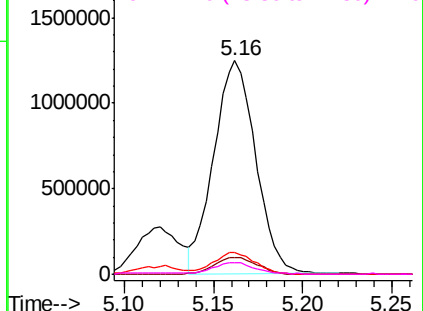
44 5.3 4.2 6.4

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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: 9.845 ppbv

RT: 5.10 min Scan# 672

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

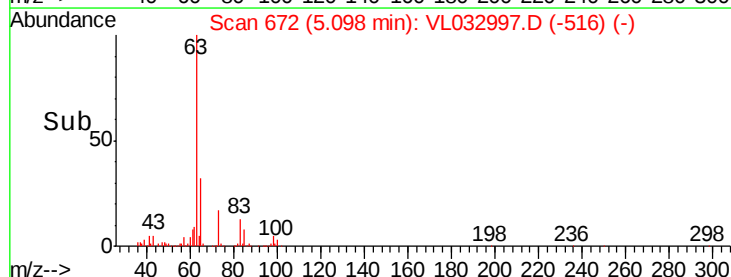
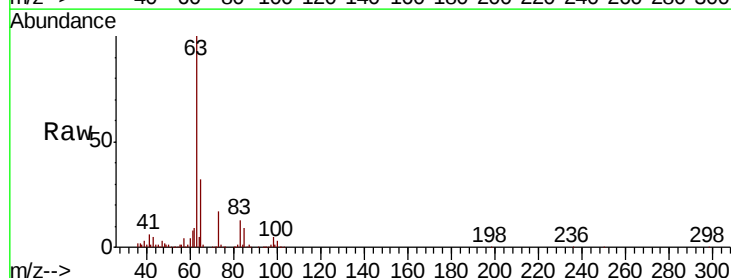
Tgt Ion: 63 Resp: 1524151

Ion Ratio Lower Upper

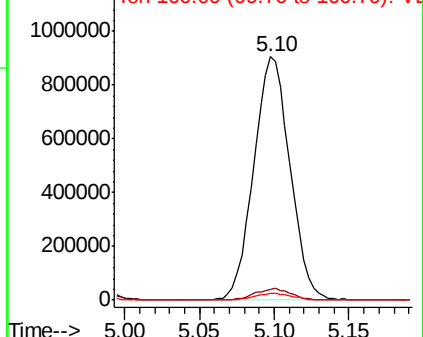
63 100

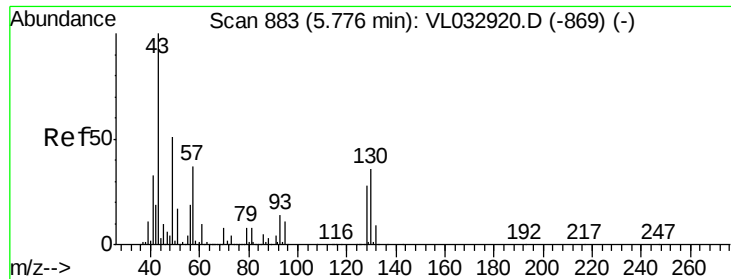
98 4.5 2.5 7.5

100 3.1 1.4 4.2



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





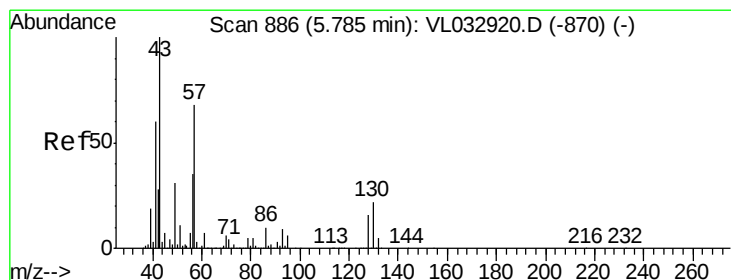
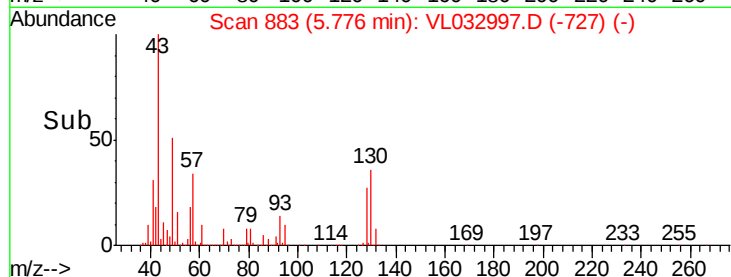
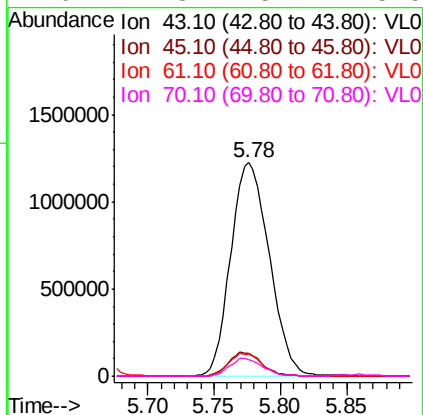
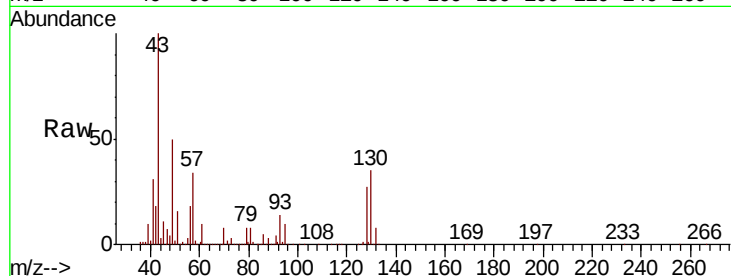
#25
Ethyl Acetate
Concen: 9.941 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.4	7.4	11.2
70	7.3	5.7	8.5

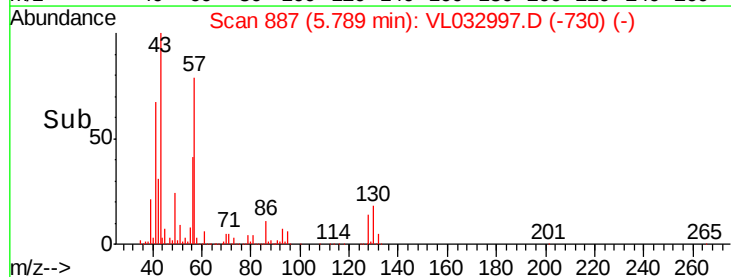
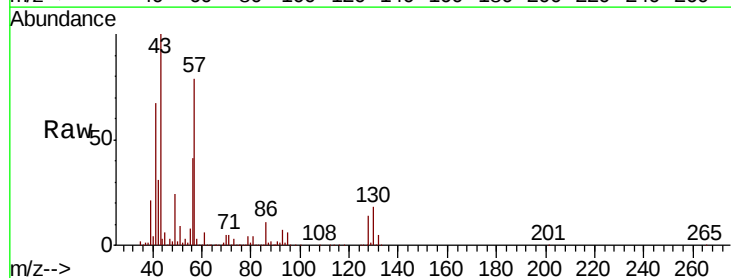
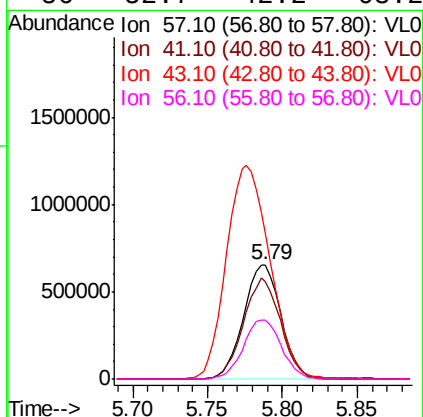
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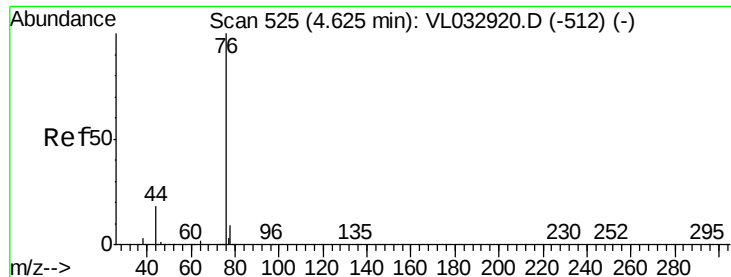
MMDadoda
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#26
Hexane
Concen: 9.897 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
57	100		
41	87.8	72.2	108.2
43	218.4	171.9	257.9
56	52.7	42.2	63.2





#27

Carbon Disulfide

Concen: 10.457 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1499356

Ion Ratio Lower Upper

76 100

44 18.1 14.7 22.1

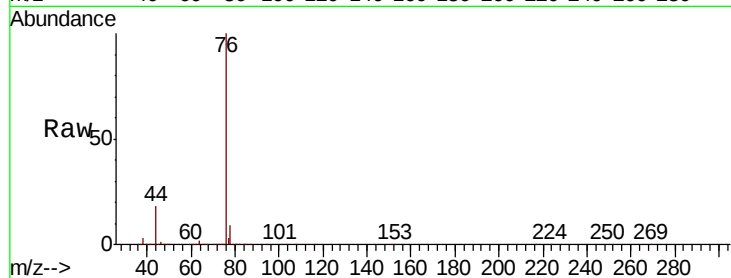
78 9.1 7.4 11.2

Manual Integrations

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MMDadoda

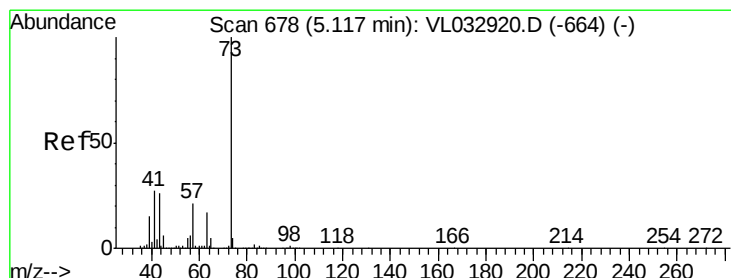
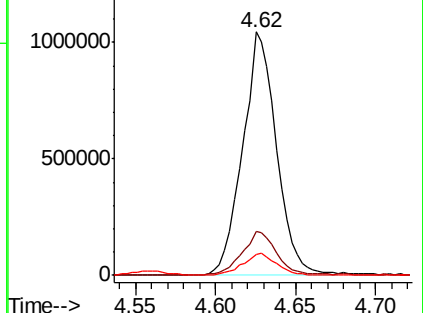
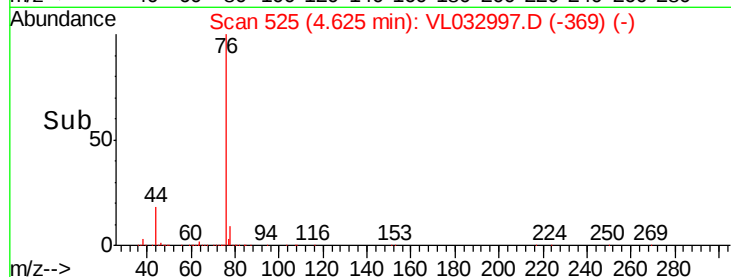
12/19/2018 1:56:37 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.117 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL032997.D

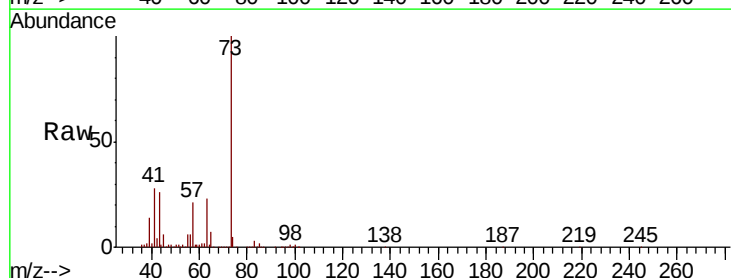
Acq: 17 Dec 2018 13:01

Tgt Ion: 73 Resp: 1914688

Ion Ratio Lower Upper

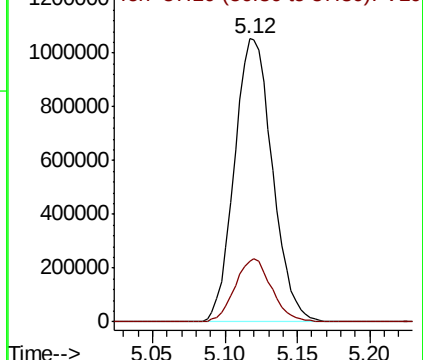
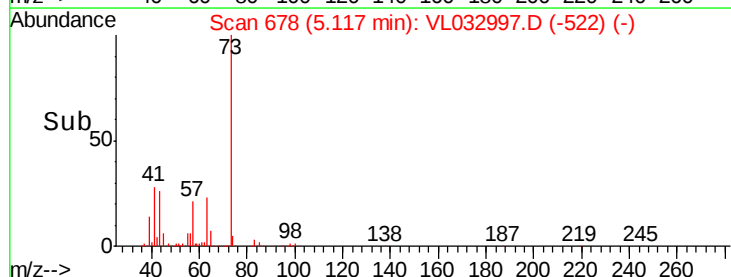
73 100

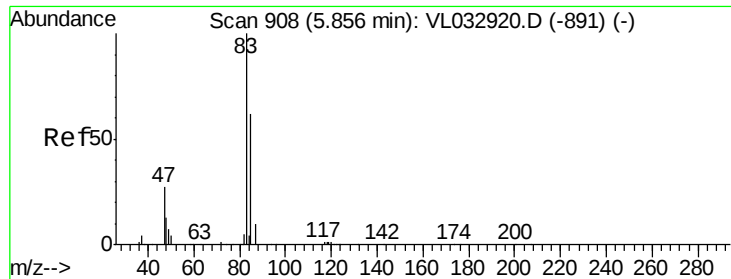
57 21.8 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





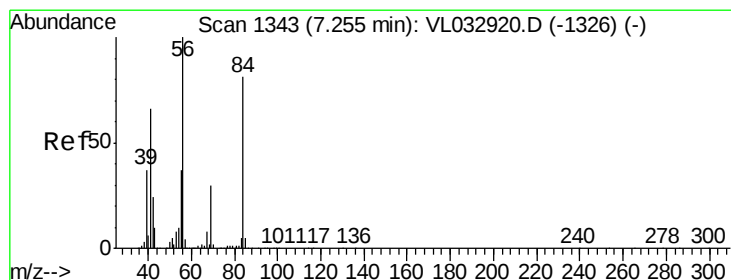
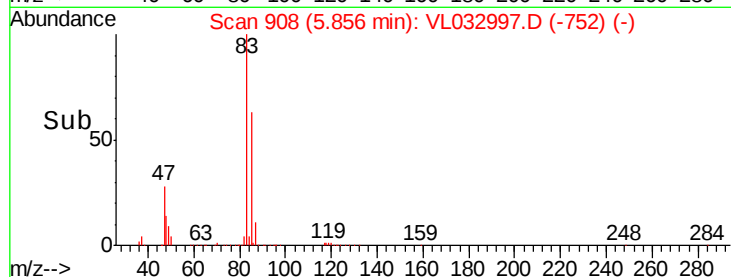
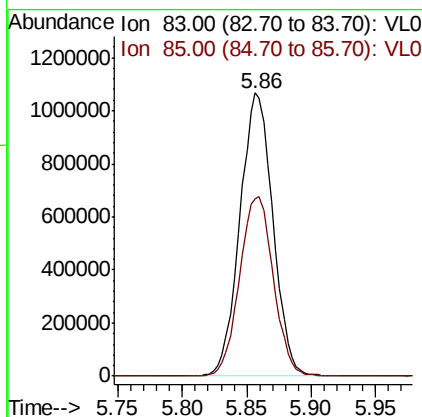
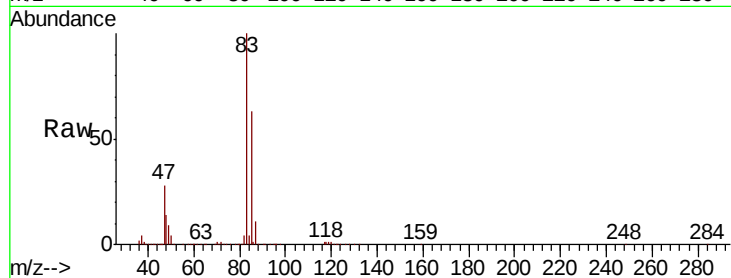
#29
Chloroform
Concen: 9.294 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1901703
Ion Ratio Lower Upper
83 100
85 62.5 49.8 74.8

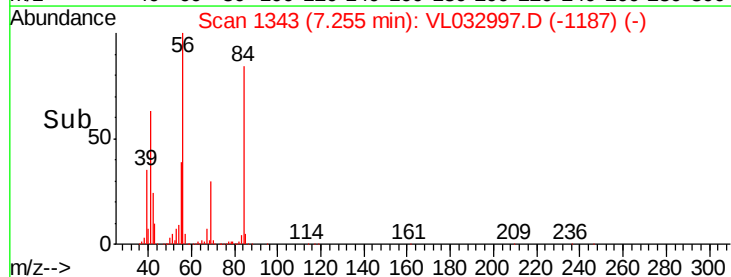
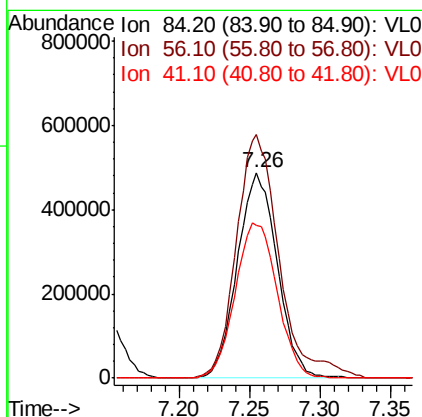
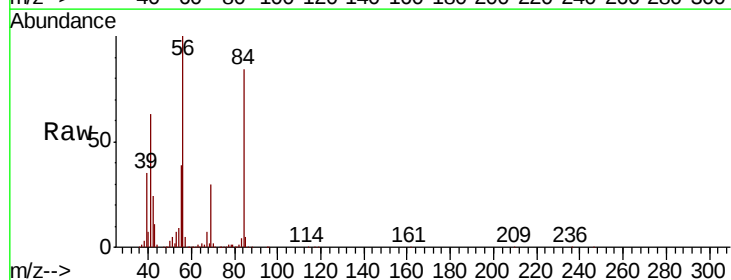
Manual Integrations
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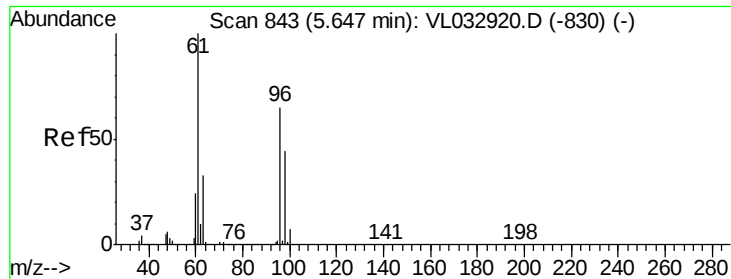
MMDadoda
12/19/2018 1:56:37 PM



#30
Cyclohexane
Concen: 10.151 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion: 84 Resp: 964901
Ion Ratio Lower Upper
84 100
56 127.9 102.5 153.7
41 79.8 64.1 96.1





#31

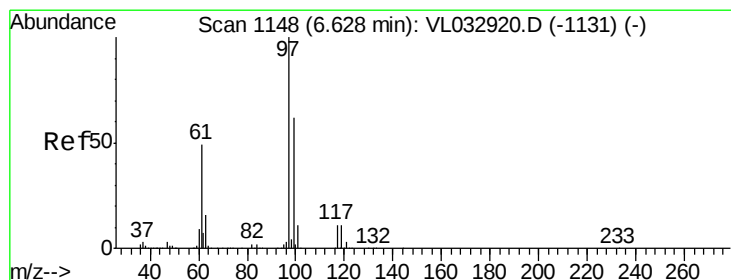
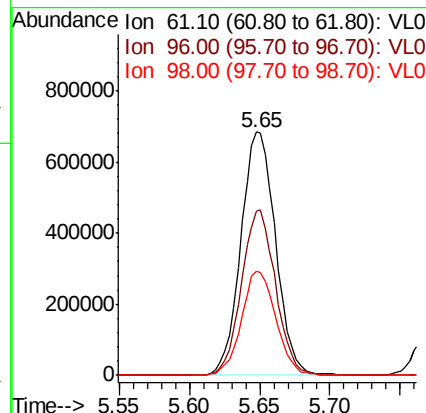
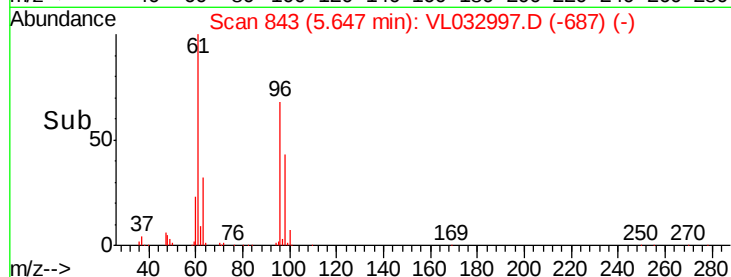
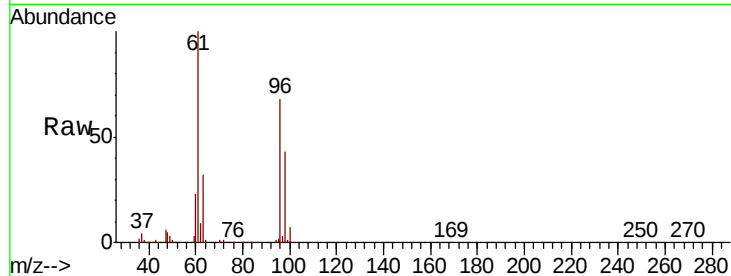
cis-1,2-Dichloroethene
Concen: 11.206 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.6	51.9	77.9
98	43.0	35.0	52.4

Manual Integrations
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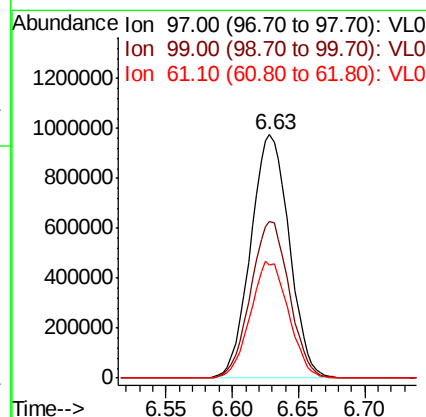
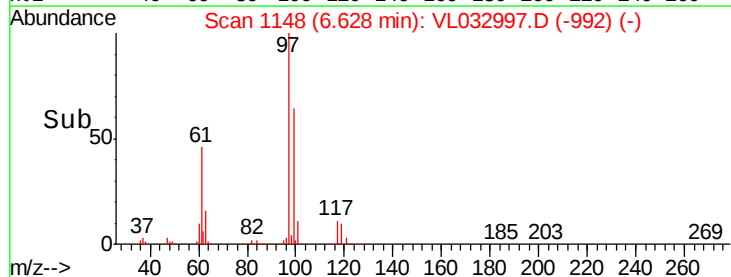
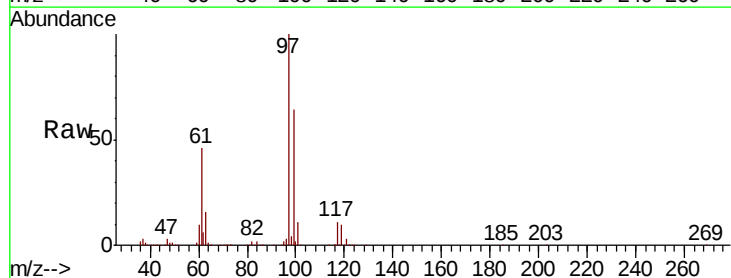
MMDadoda
12/19/2018 1:56:37 PM

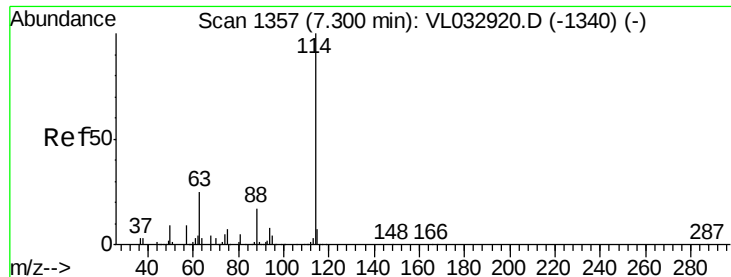


#32

1,1,1-Trichloroethane
Concen: 9.104 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	47.6	39.3	58.9





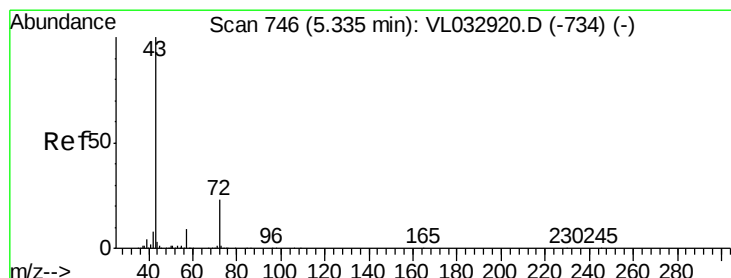
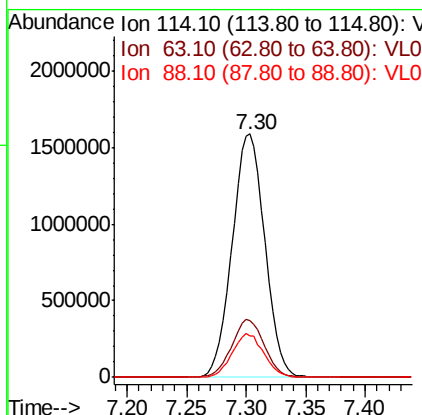
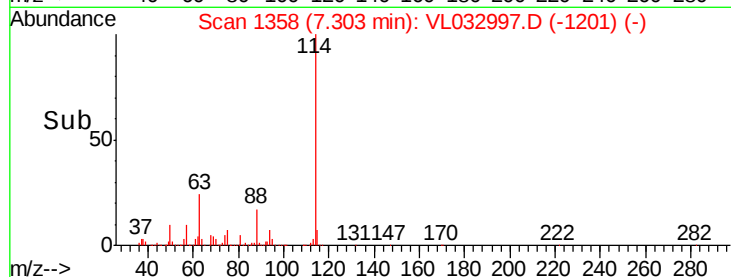
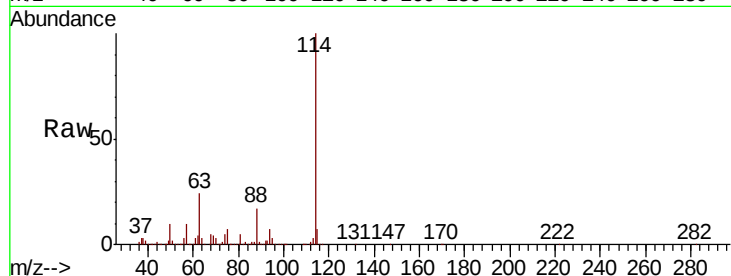
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	20.1	30.1
88	17.3	14.2	21.4

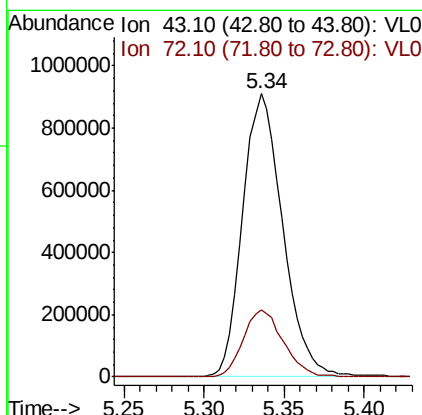
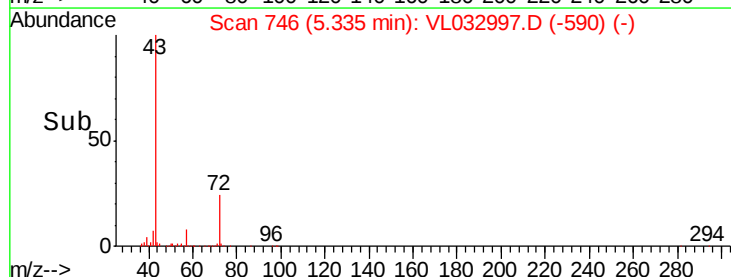
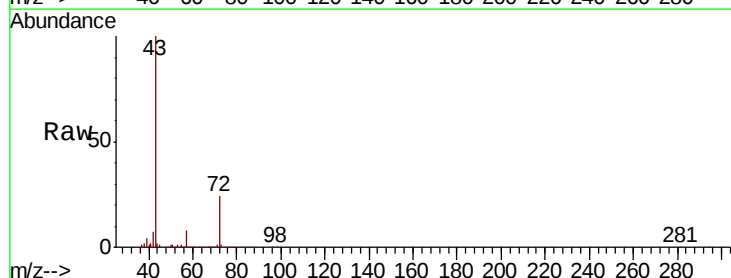
Manual Integrations
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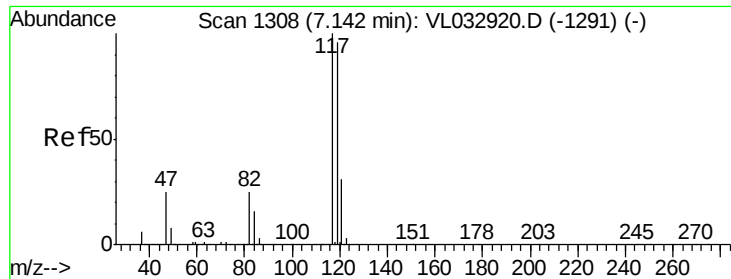
MMDadoda
 12/19/2018 1:56:37 PM



#34
 2-Butanone
 Concen: 11.773 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.8	28.2





#35

Carbon Tetrachloride

Concen: 9.012 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

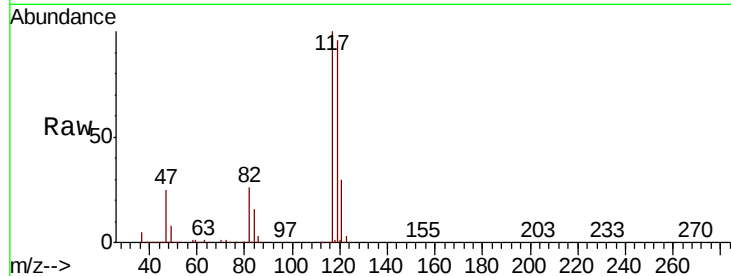
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
121	30.2	24.5	36.7

Manual Integrations
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12/19/2018 1:56:37 PM

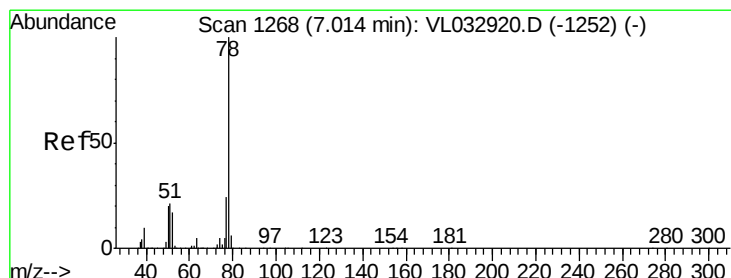
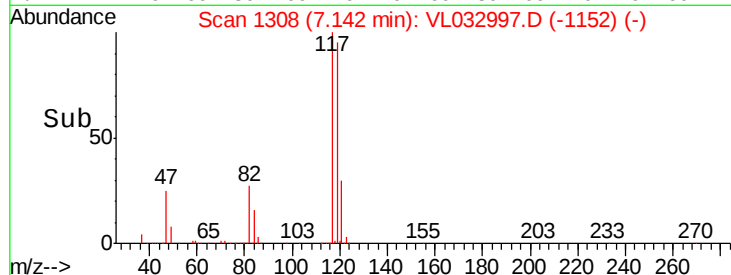
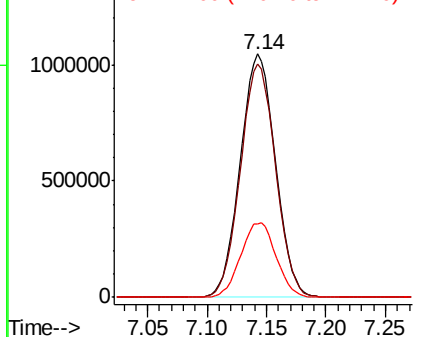


Abundance

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: 10.325 ppbv

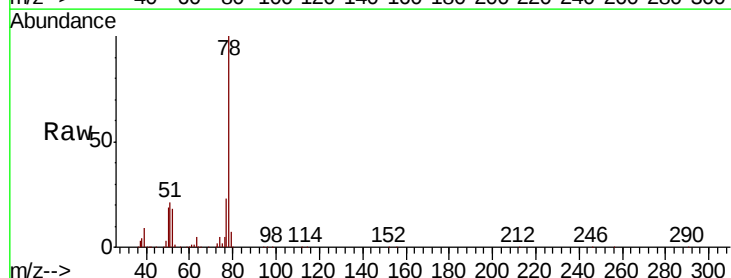
RT: 7.01 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3
50	18.5	16.1	24.1

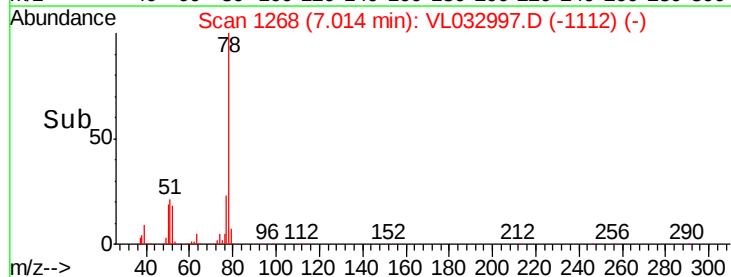
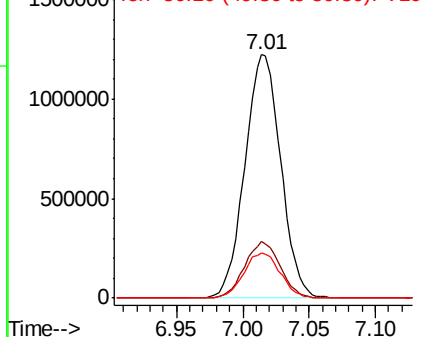


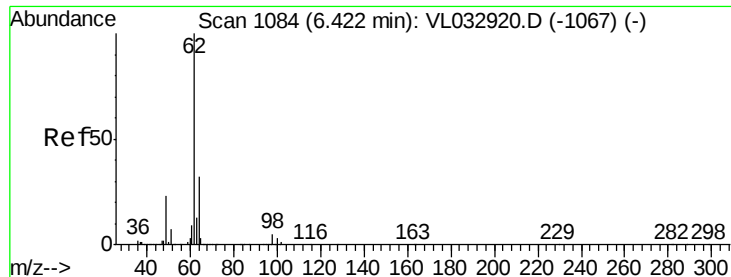
Abundance

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: 9.602 ppbv

RT: 6.42 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1452593

Ion Ratio Lower Upper

62 100

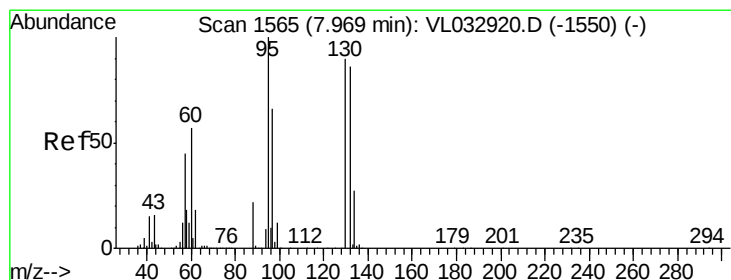
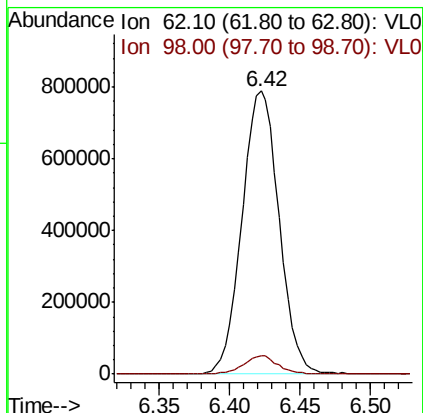
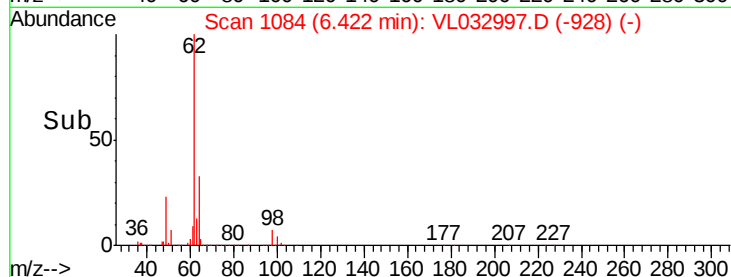
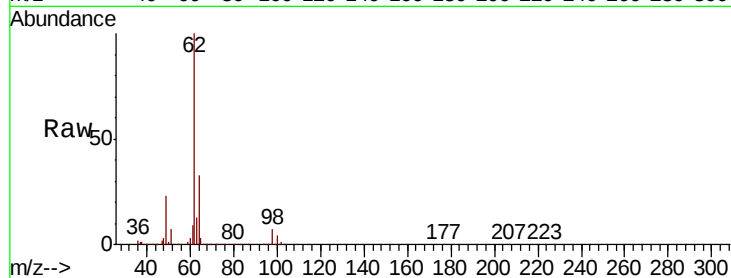
98 6.0 4.3 6.5

Manual Integrations

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#38

Trichloroethene

Concen: 10.215 ppbv

RT: 7.97 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Tgt Ion:130 Resp: 944622

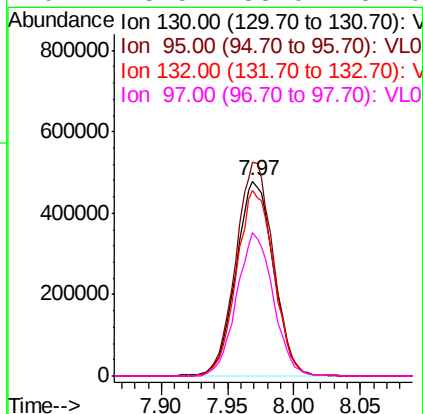
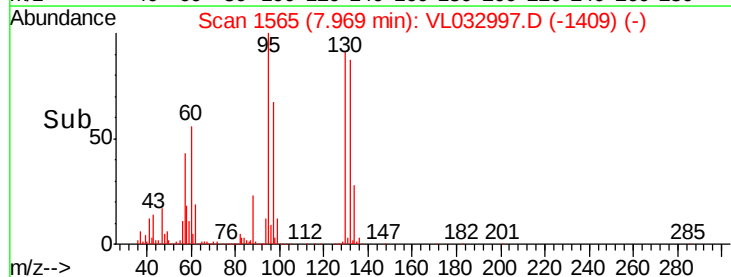
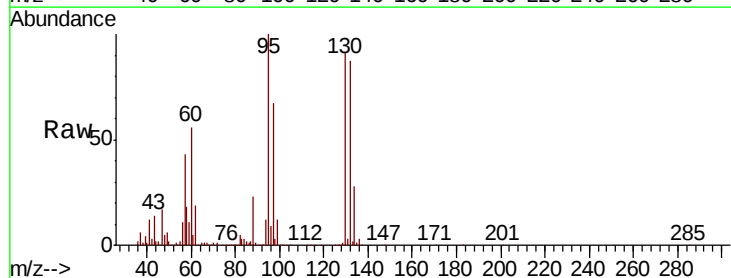
Ion Ratio Lower Upper

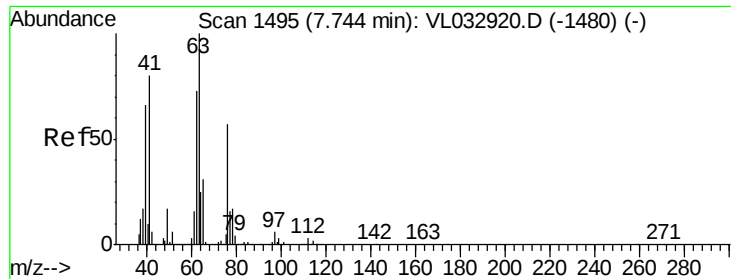
130 100

95 109.4 88.6 132.8

132 95.0 76.1 114.1

97 73.5 58.0 87.0





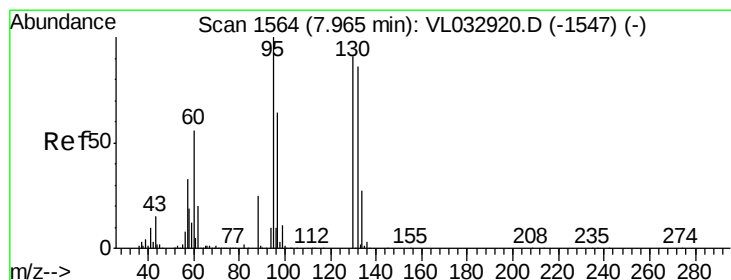
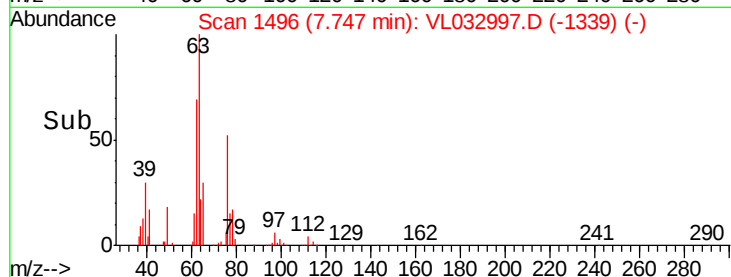
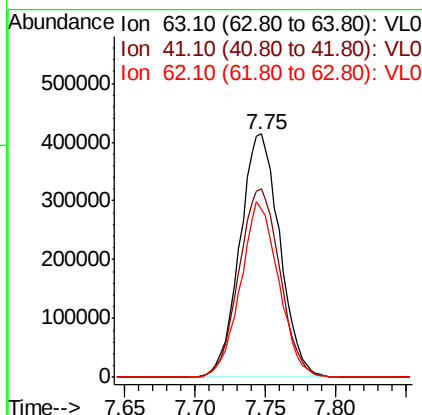
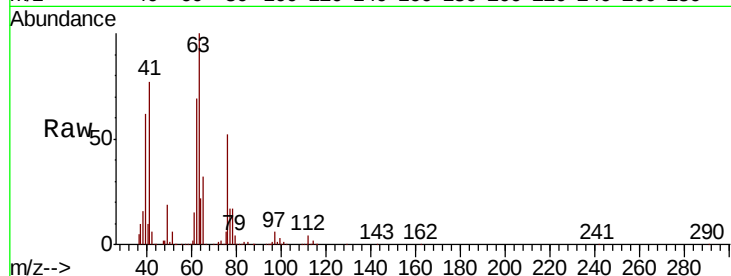
#39
 1,2-Dichloropropane
 Concen: 9.741 ppbv
 RT: 7.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.3	63.9	95.9
62	68.9	58.8	88.2

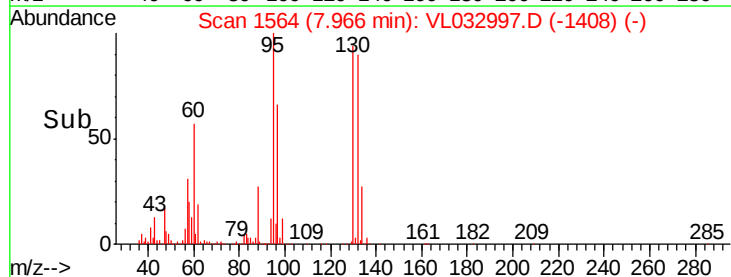
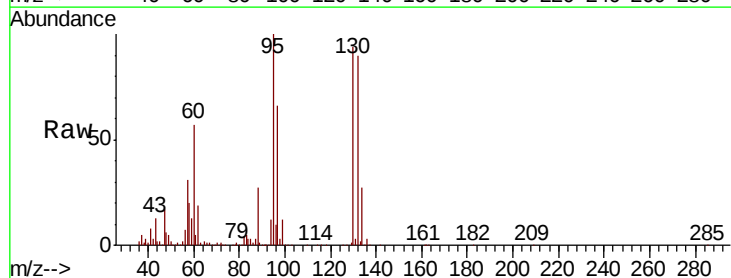
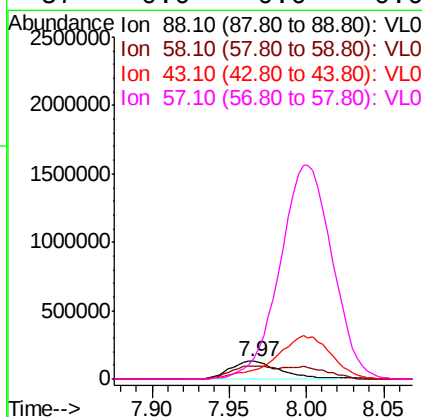
Manual Integrations
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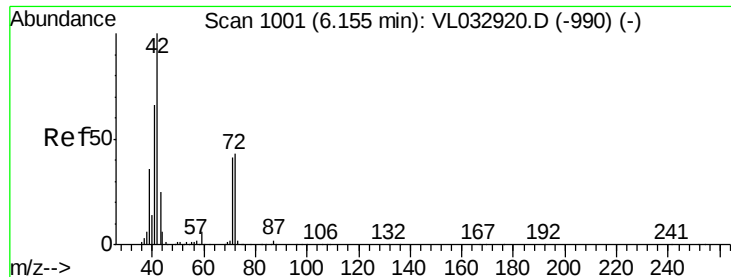
MMDadoda
 12/19/2018 1:56:37 PM



#40
 1,4-Dioxane
 Concen: 9.141 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.9	107.4	161.2
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.903 ppbv

RT: 6.16 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

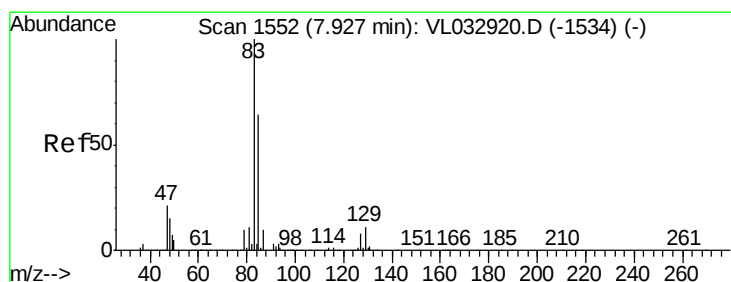
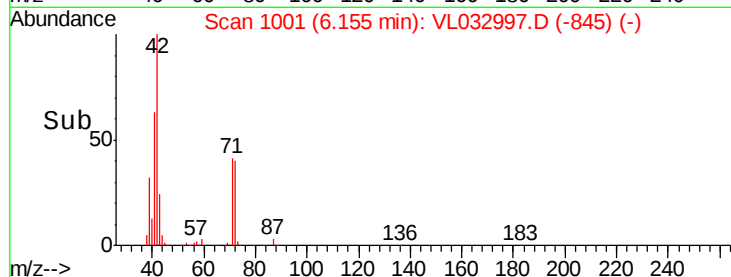
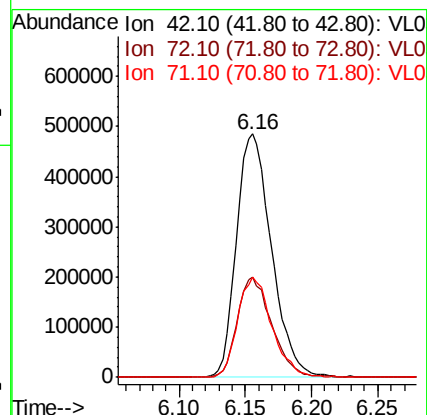
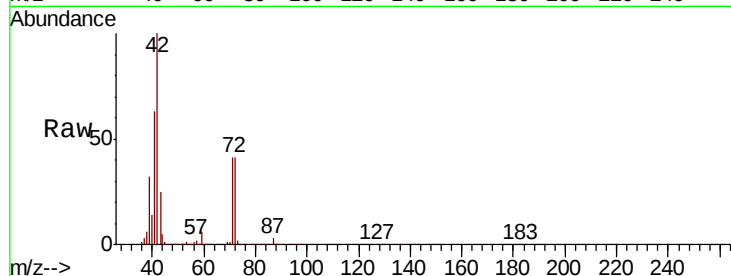
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	892257
Ion Ratio		Lower	Upper
42	100		
72	40.6	32.9	49.3
71	40.4	32.0	48.0

Manual Integrations
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MMDadoda
12/19/2018 1:56:37 PM



#42

Bromodichloromethane

Concen: 9.359 ppbv

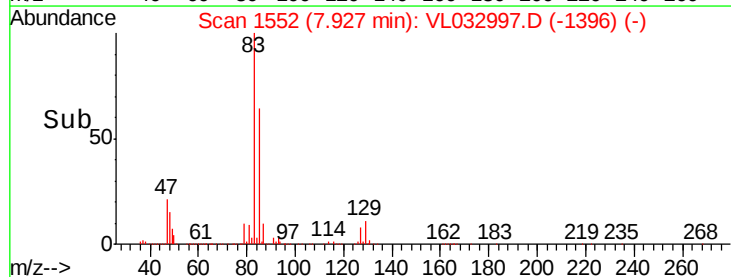
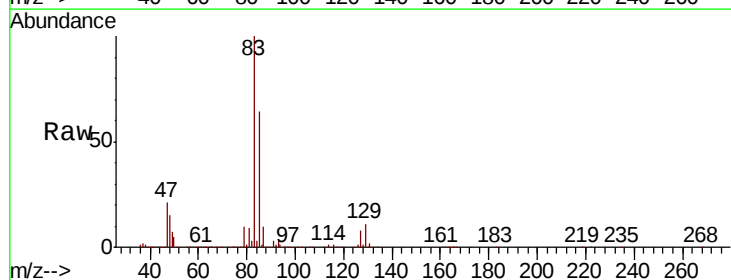
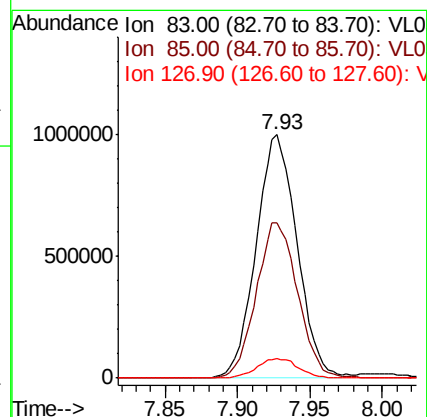
RT: 7.93 min Scan# 1552

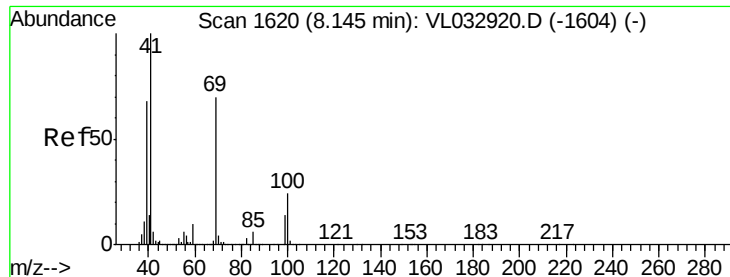
Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Tgt Ion:	83	Resp:	1961690
Ion Ratio		Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.1	6.7	10.1





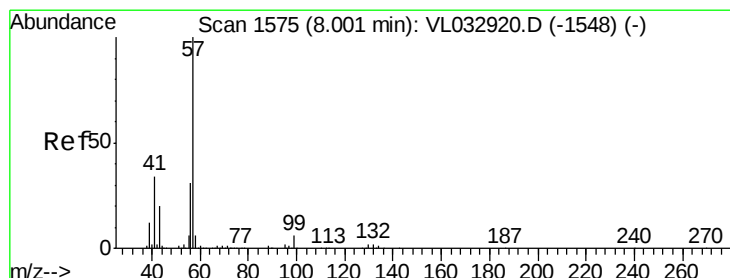
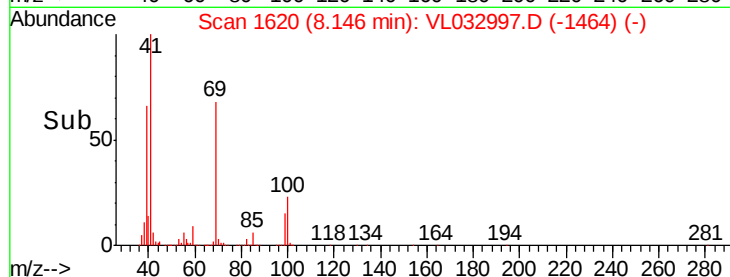
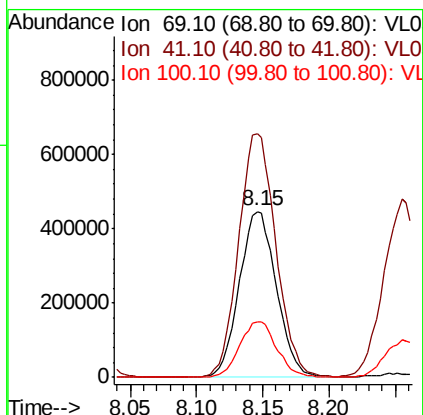
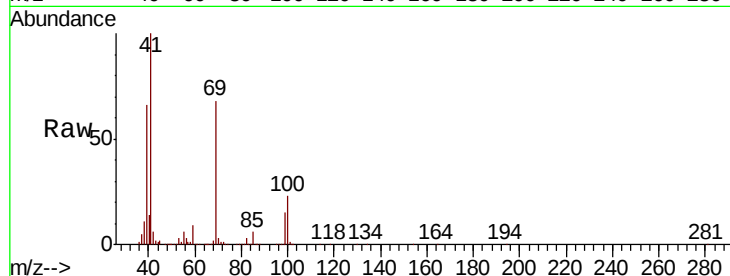
#43
Methvl Methacrvlate
Concen: 10.530 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	147.2	116.6	175.0
100	33.4	26.5	39.7

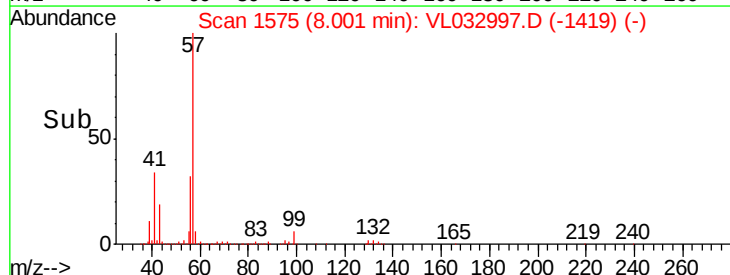
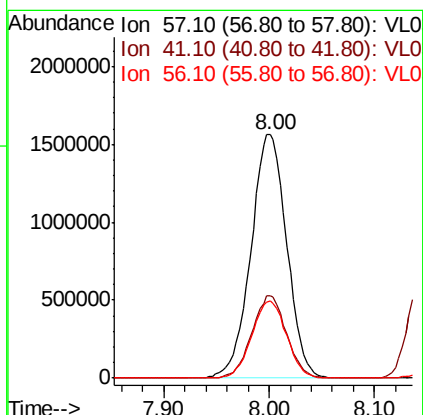
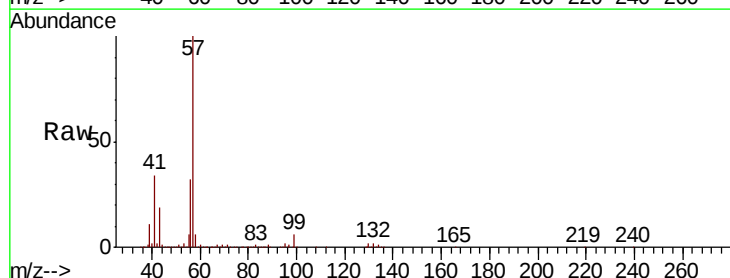
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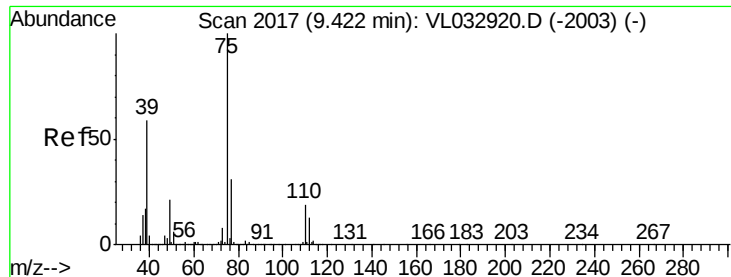
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.781 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.7	27.0	40.4
56	30.7	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 12.274 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1239018

Ion Ratio Lower Upper

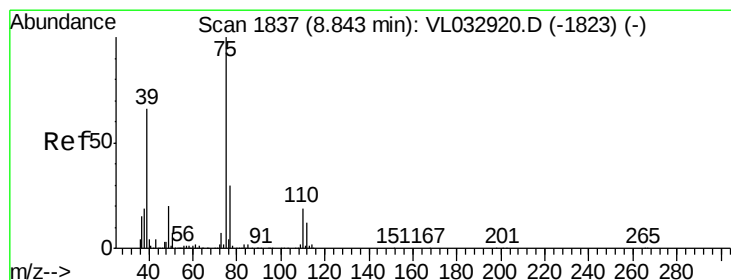
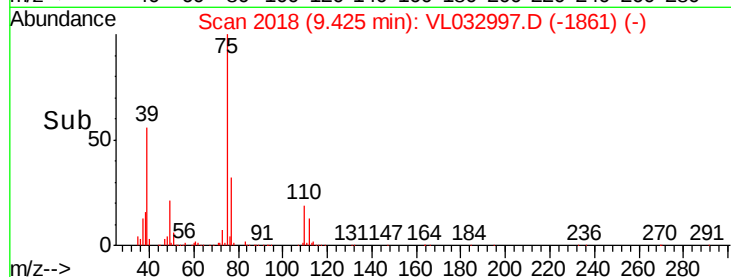
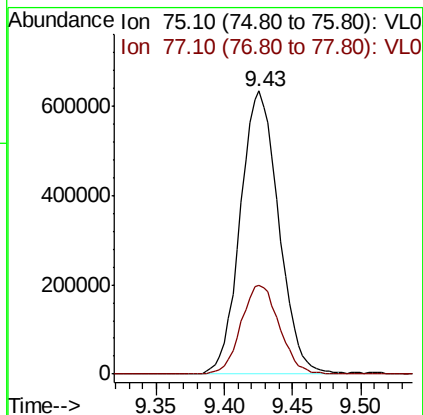
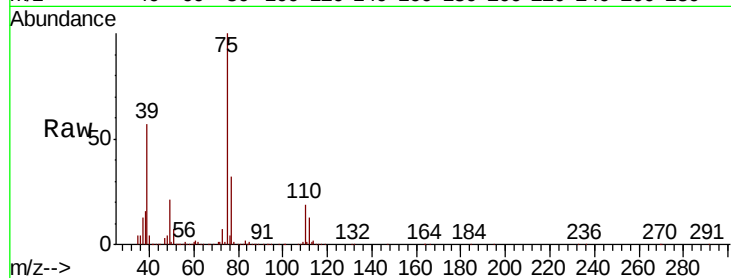
75 100

77 31.6 24.8 37.2

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#46

cis-1,3-Dichloropropene

Concen: 11.513 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

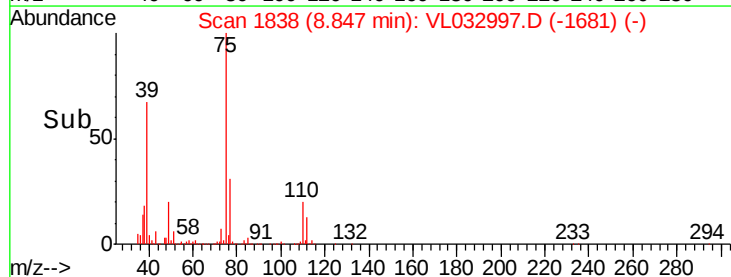
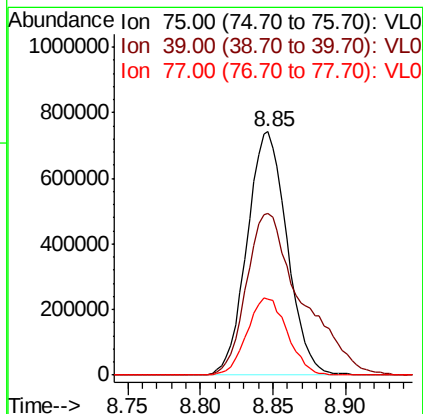
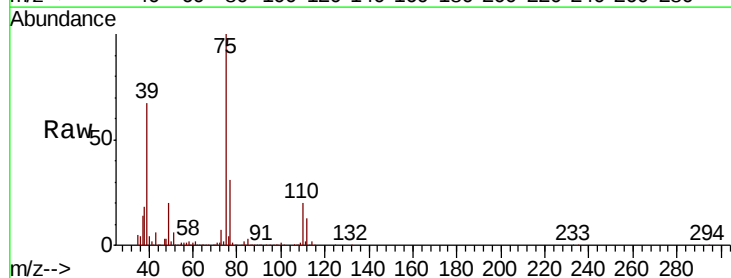
Tgt Ion: 75 Resp: 1422446

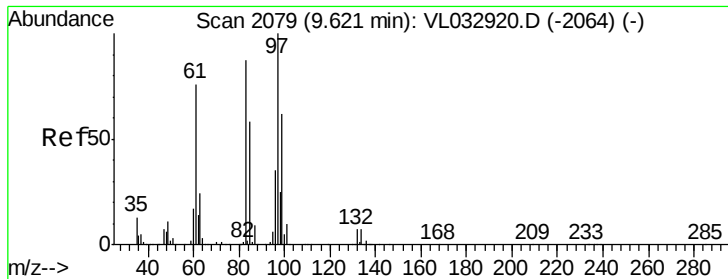
Ion Ratio Lower Upper

75 100

39 66.6 52.8 79.2

77 31.2 24.3 36.5





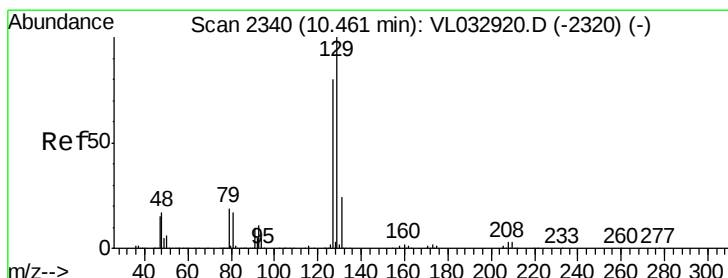
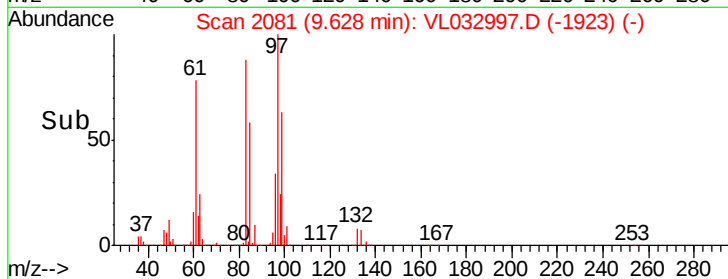
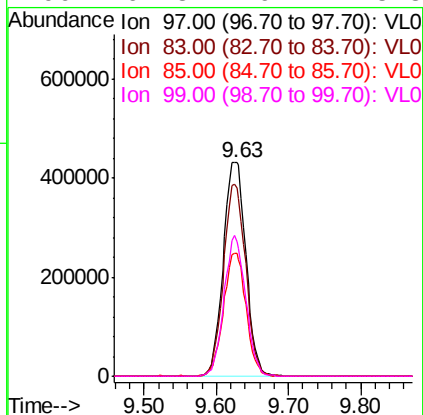
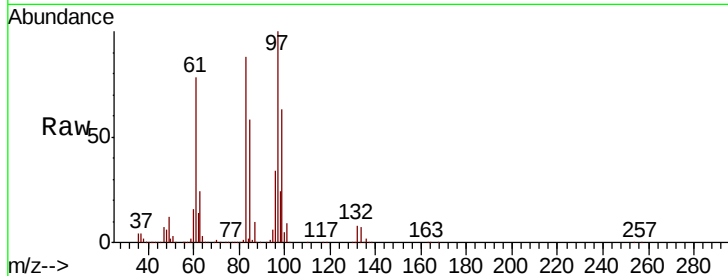
#47
 1,1,2-Trichloroethane
 Concen: 10.122 ppbv m
 RT: 9.63 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.8	104.8
85	57.8	46.7	70.1
99	62.8	49.2	73.8

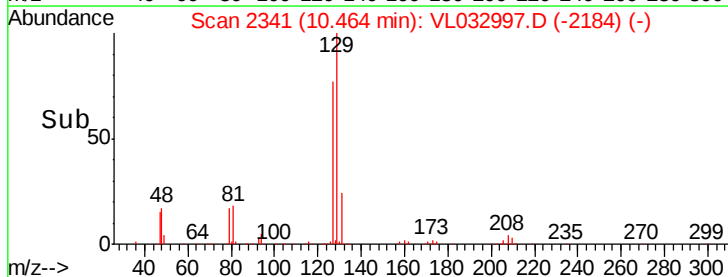
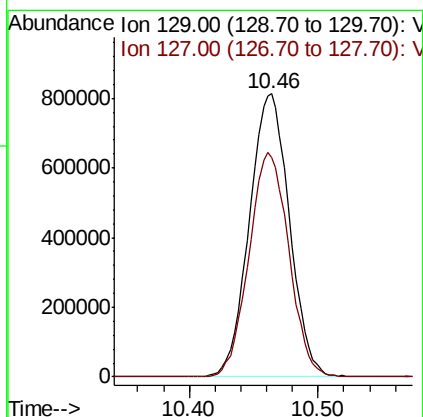
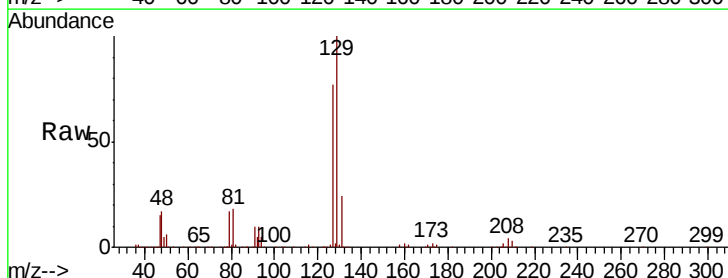
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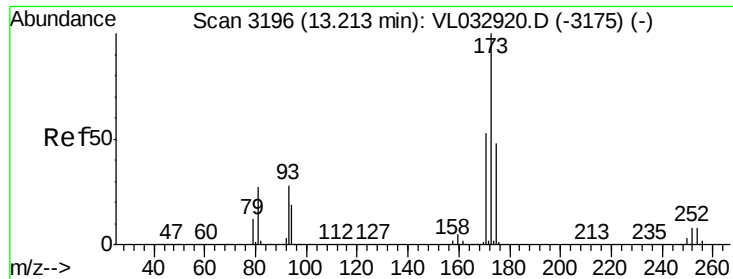
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.115 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.3	117.8





#49

Bromoform

Concen: 12.590 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1801762

Ion Ratio Lower Upper

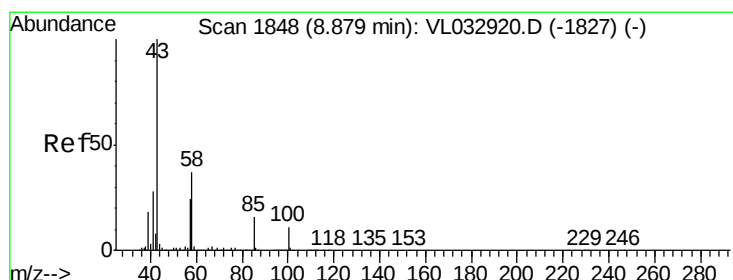
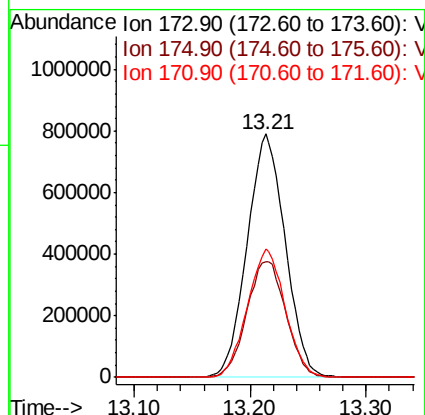
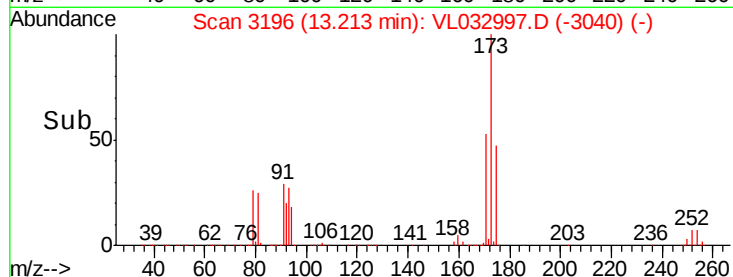
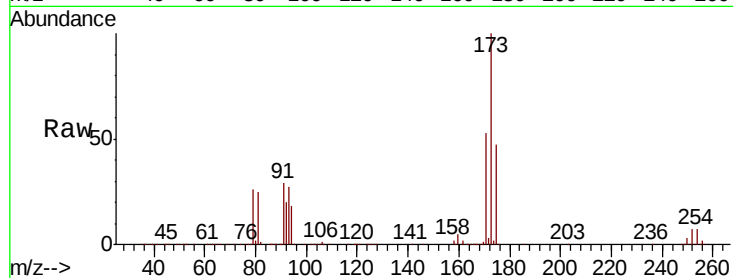
173 100

175 49.0 39.0 58.4

171 52.0 41.5 62.3

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 10.170 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL032997.D

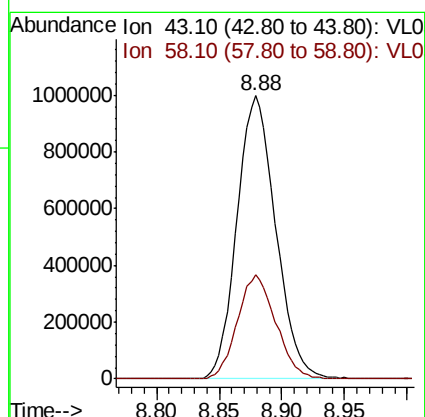
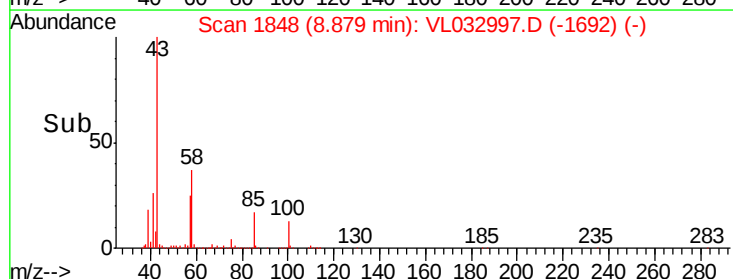
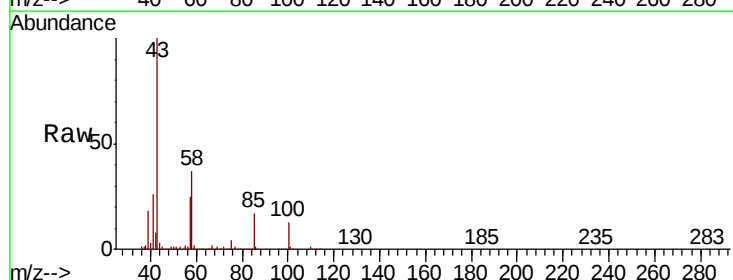
Acq: 17 Dec 2018 13:01

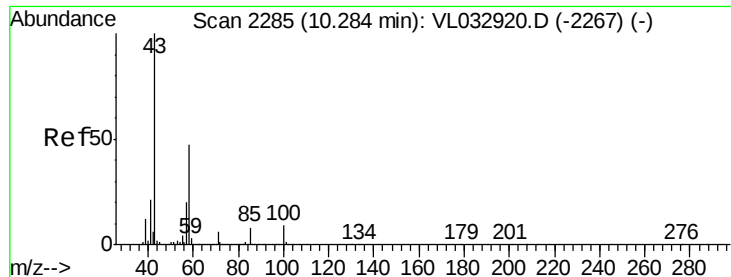
Tgt Ion: 43 Resp: 2140030

Ion Ratio Lower Upper

43 100

58 36.5 29.0 43.4





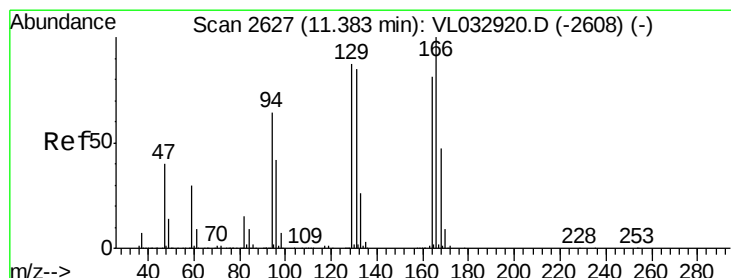
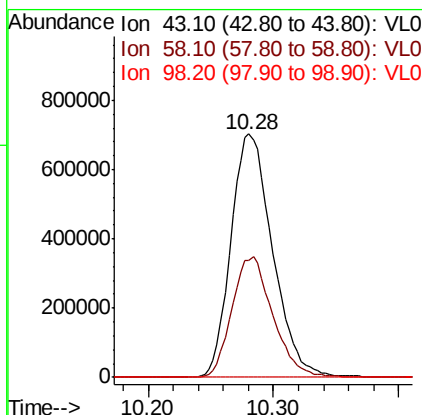
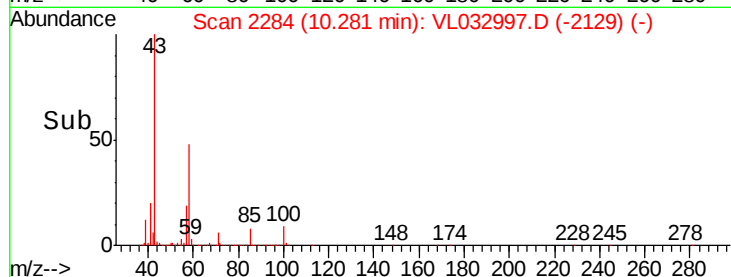
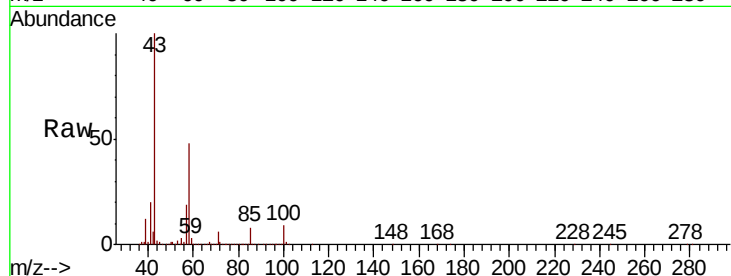
#51
2-Hexanone
Concen: 11.344 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1618823
Ion Ratio Lower Upper
43 100
58 48.9 38.1 57.1
98 0.4 0.4 0.6#

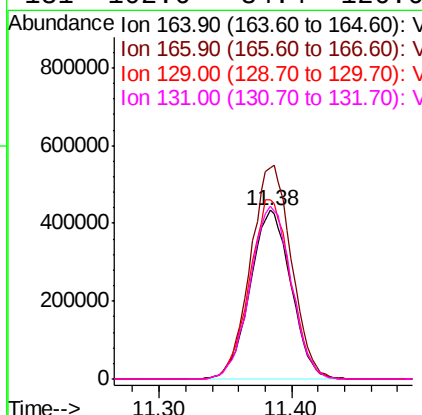
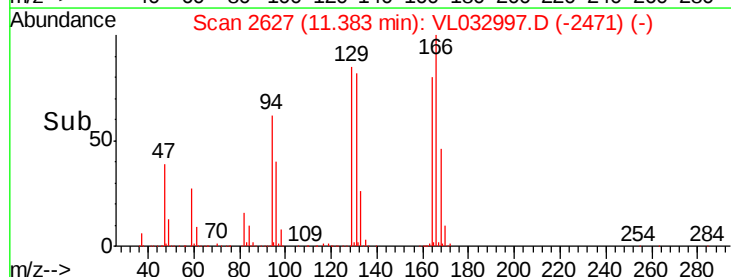
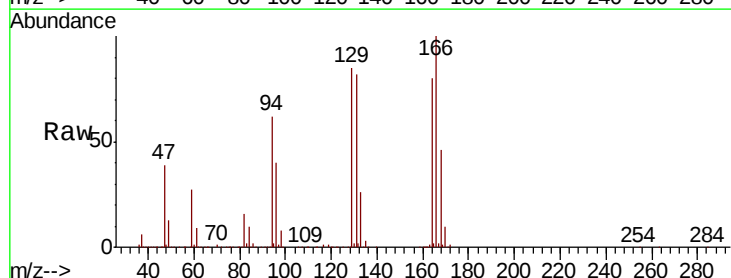
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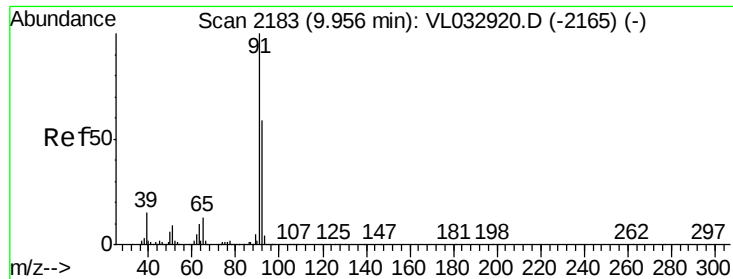
MMDadoda
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#52
Tetrachloroethene
Concen: 11.445 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion: 164 Resp: 924996
Ion Ratio Lower Upper
164 100
166 125.2 98.8 148.2
129 106.5 85.5 128.3
131 102.6 84.4 126.6





#53

Toluene

Concen: 11.125 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2621760

Ion Ratio Lower Upper

91 100

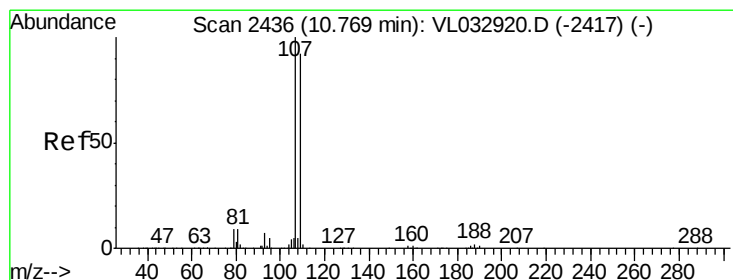
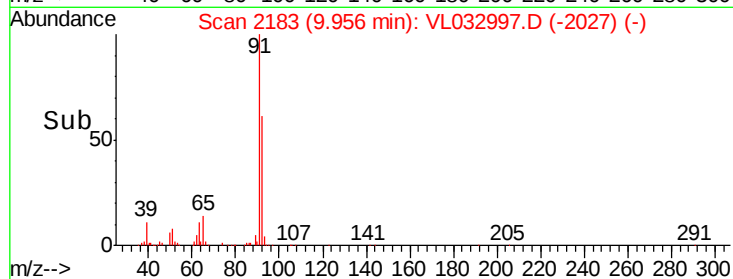
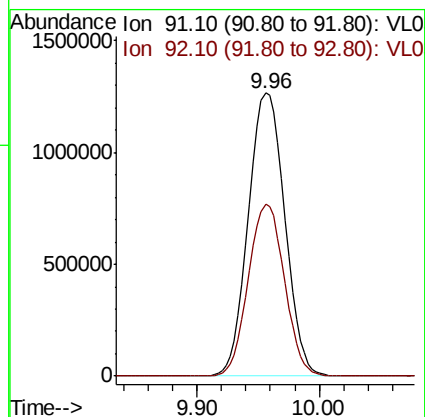
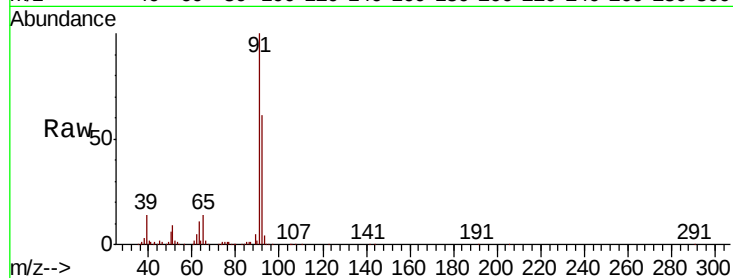
92 60.1 47.4 71.0

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#54

1,2-Dibromoethane

Concen: 10.034 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL032997.D

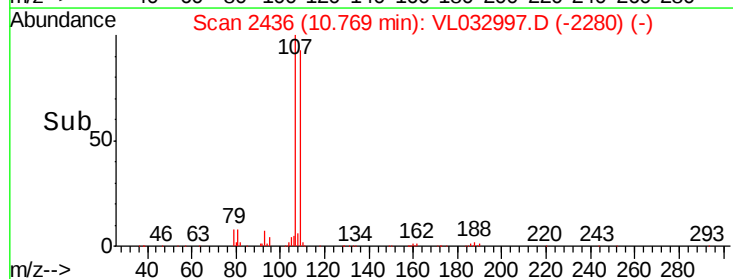
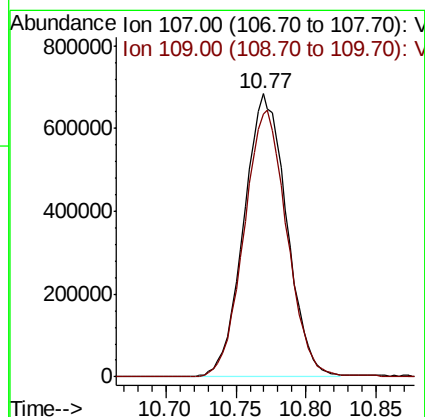
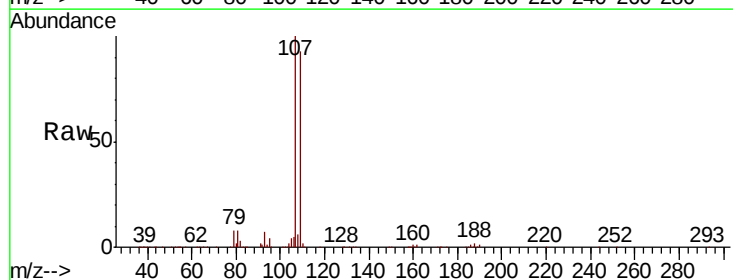
Acq: 17 Dec 2018 13:01

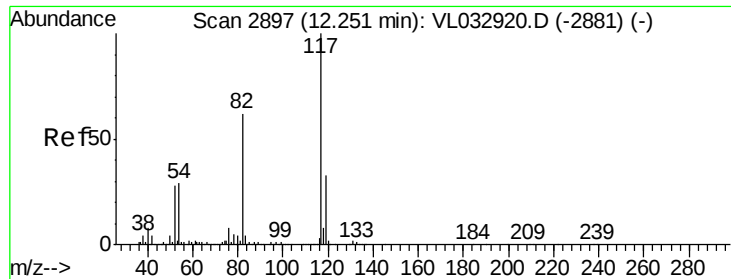
Tgt Ion:107 Resp: 1453911

Ion Ratio Lower Upper

107 100

109 92.6 73.4 110.2





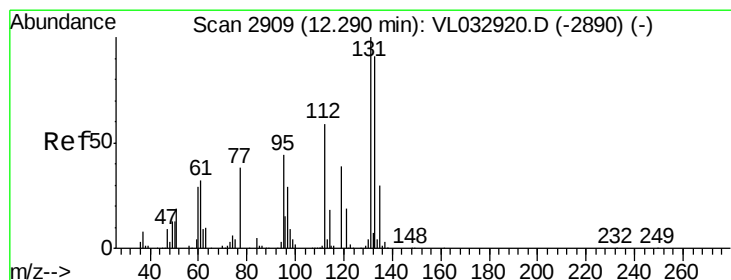
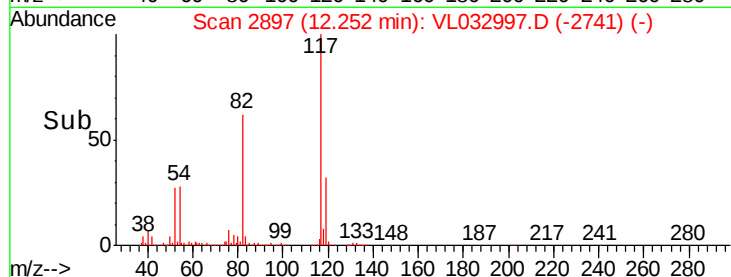
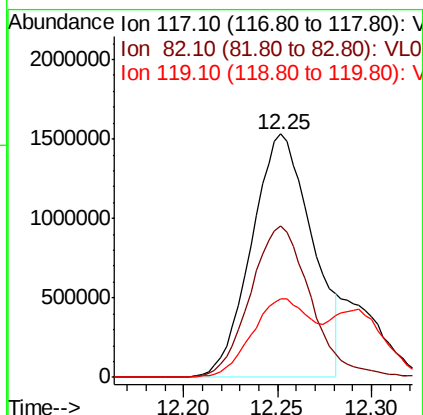
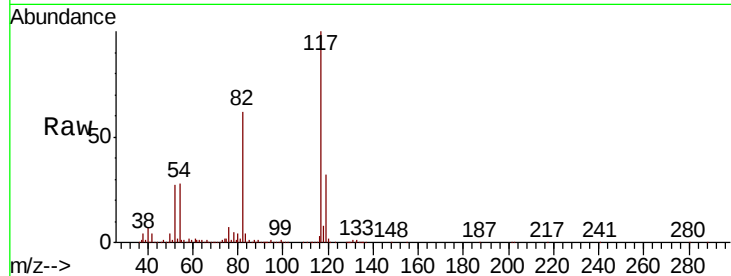
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3440726
Ion Ratio Lower Upper
117 100
82 62.3 47.8 71.8
119 34.5 43.1 64.7#

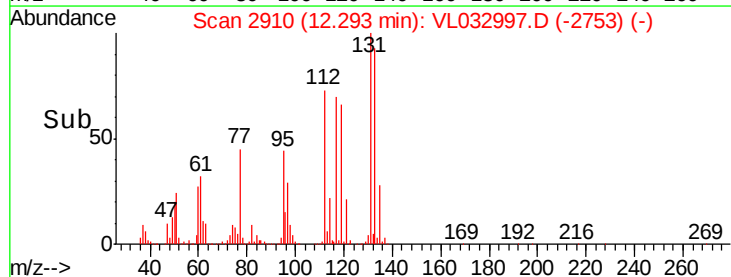
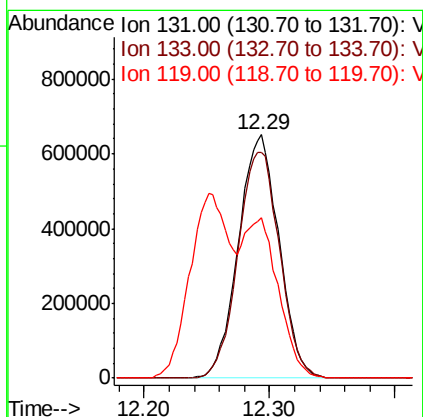
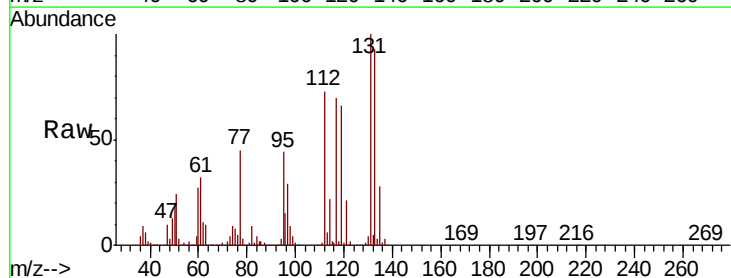
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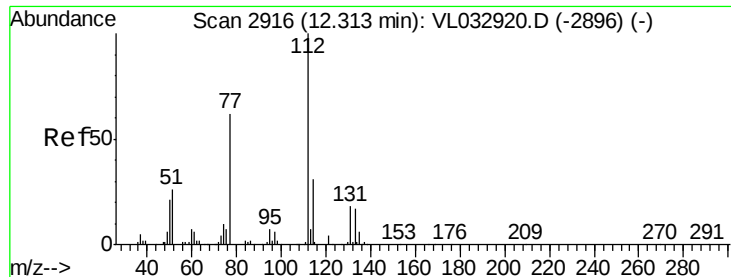
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.505 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion:131 Resp: 1457963
Ion Ratio Lower Upper
131 100
133 95.8 75.1 112.7
119 62.3 47.5 71.3





#57

Chlorobenzene

Concen: 9.684 ppbv

RT: 12.31 min Scan# 2916

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 2406510

Ion Ratio Lower Upper

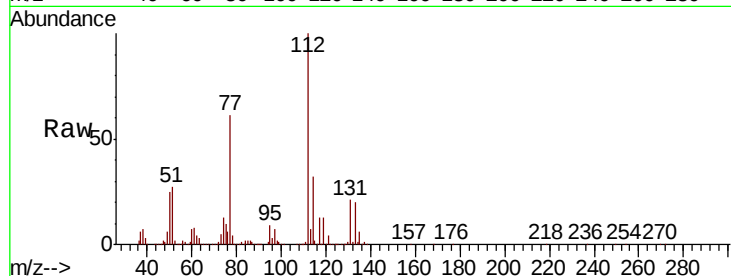
112 100

77 61.0 51.1 76.7

114 32.4 28.4 34.7

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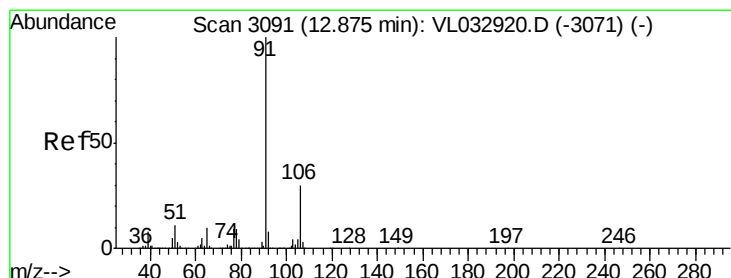
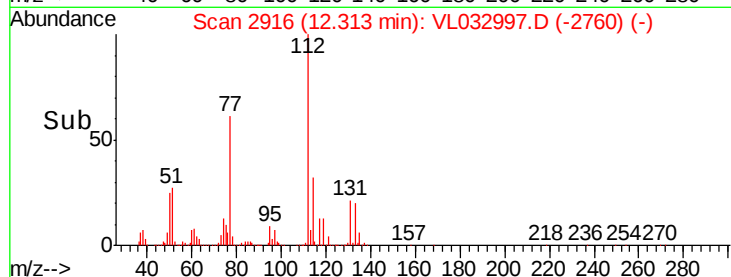
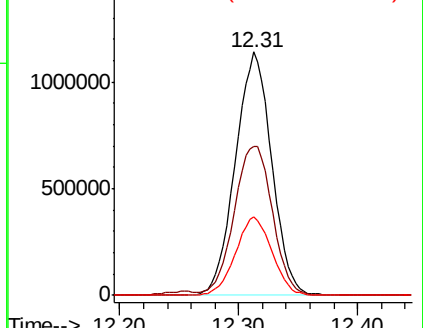
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.444 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. 0.00 min

Lab File: VL032997.D

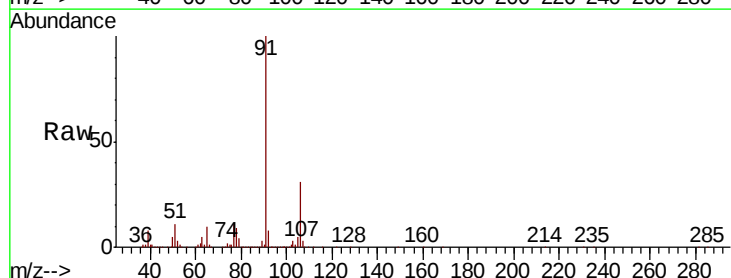
Acq: 17 Dec 2018 13:01

Tgt Ion: 91 Resp: 4200586

Ion Ratio Lower Upper

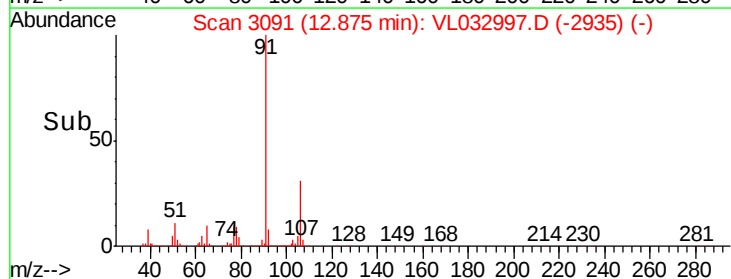
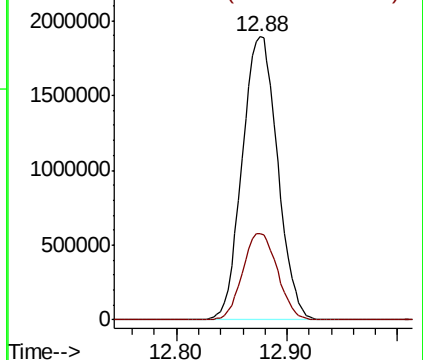
91 100

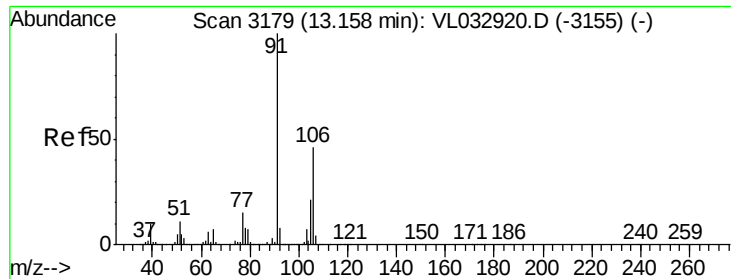
106 30.7 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 21.230 ppbv m

RT: 13.14 min Scan# 3172

Delta R.T. -0.02 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 7064826

Ion Ratio Lower Upper

91 100

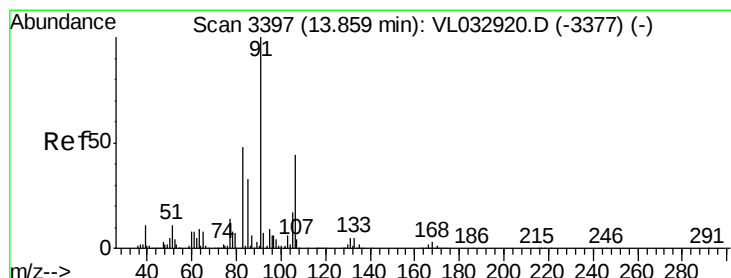
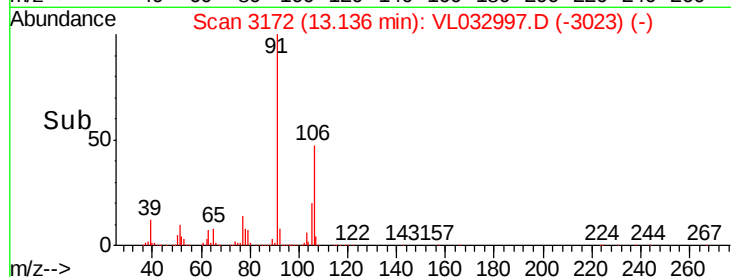
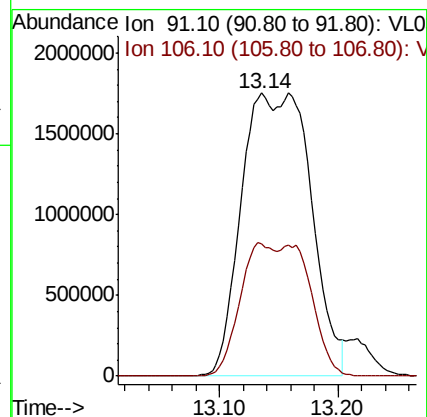
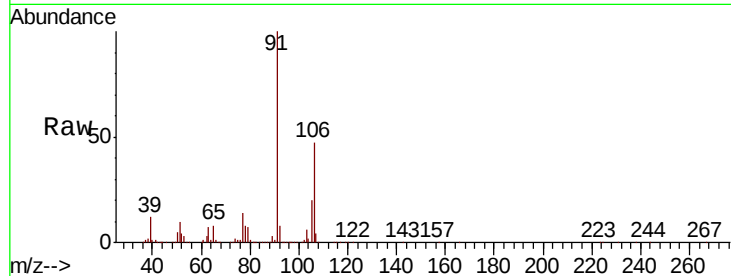
106 0.0 0.0 0.0

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#60

o-Xylene

Concen: 9.835 ppbv

RT: 13.86 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VL032997.D

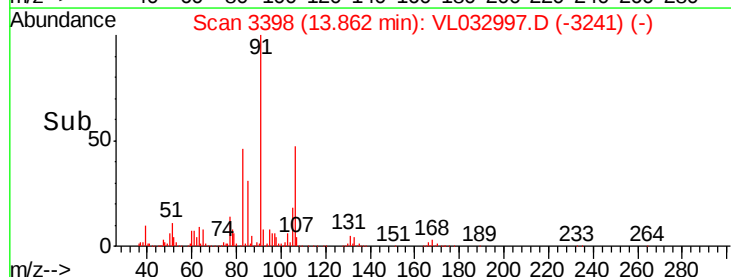
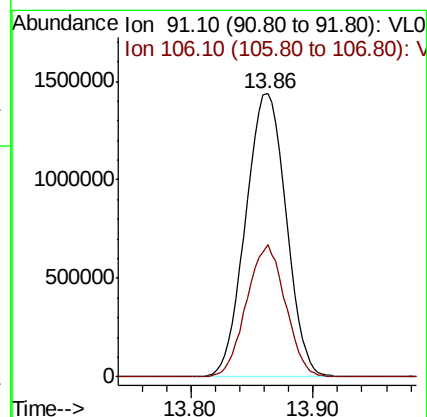
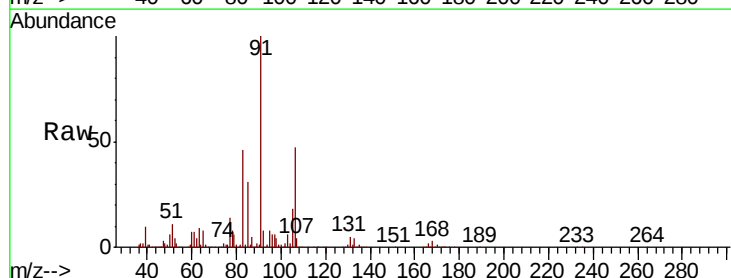
Acq: 17 Dec 2018 13:01

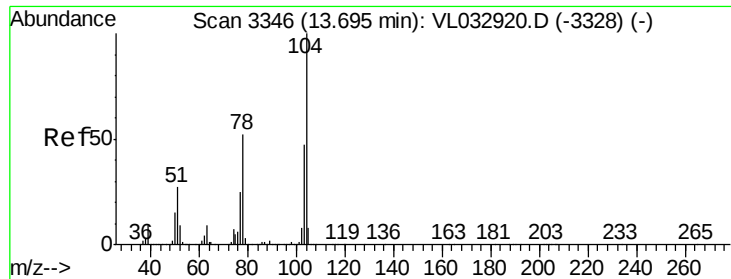
Tgt Ion: 91 Resp: 3305086

Ion Ratio Lower Upper

91 100

106 44.7 21.9 65.8





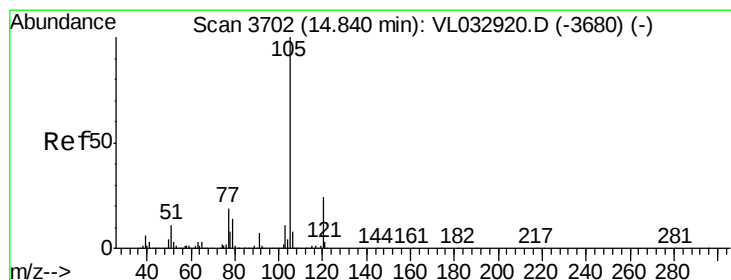
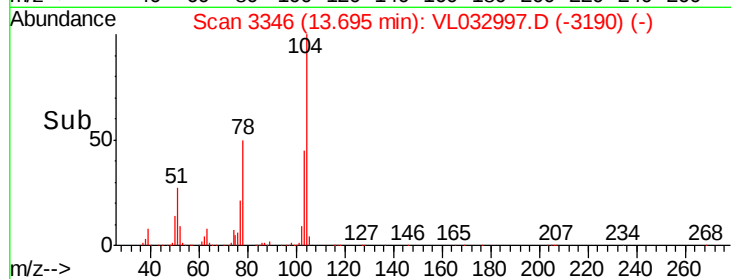
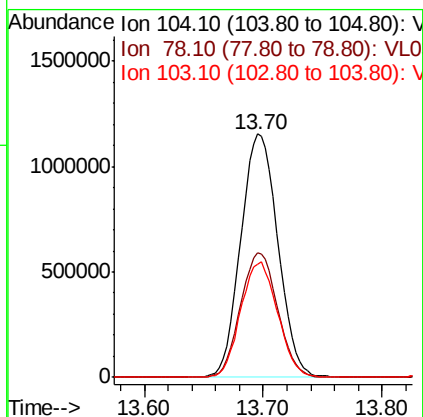
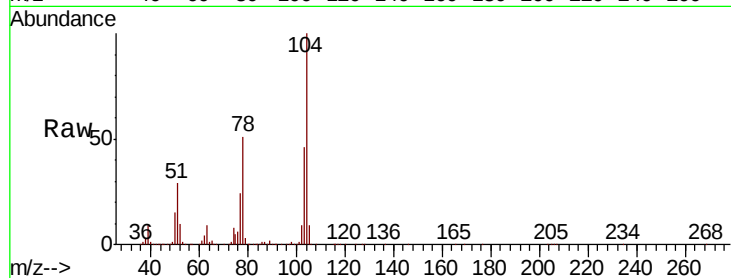
#61
Stvrene
Concen: 11.168 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.0	63.0
103	47.2	38.3	57.5

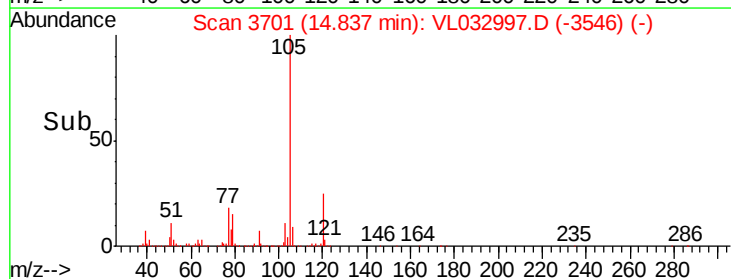
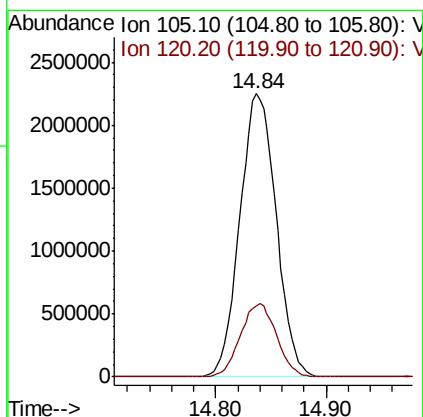
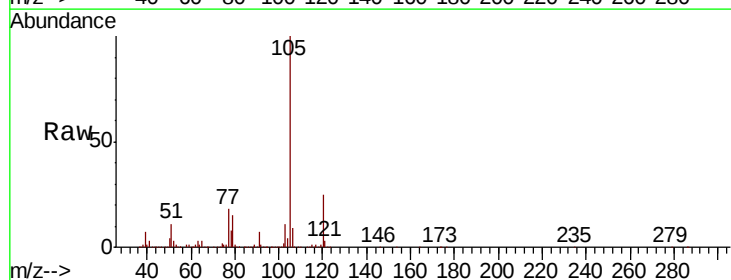
Manual Integrations
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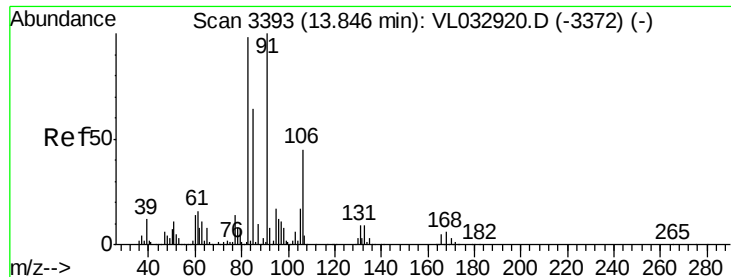
MMDadoda
12/19/2018 1:56:37 PM



#62
Isopropylbenzene
Concen: 10.944 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. -0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.3	30.5





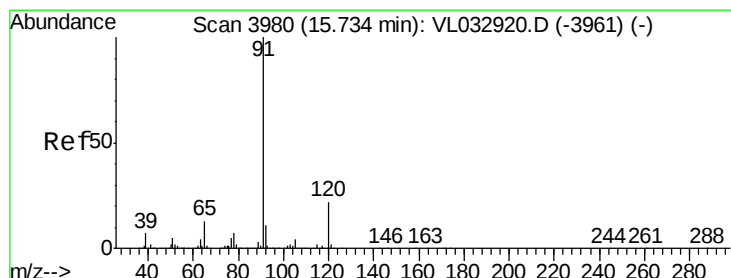
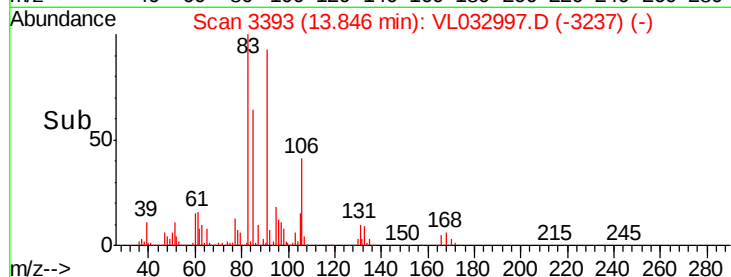
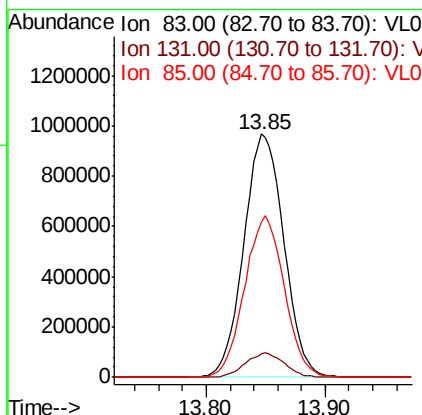
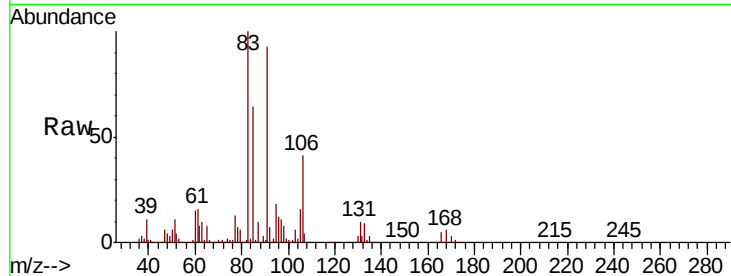
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.643 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 2255323
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.9 14.6
 85 65.8 32.9 98.6

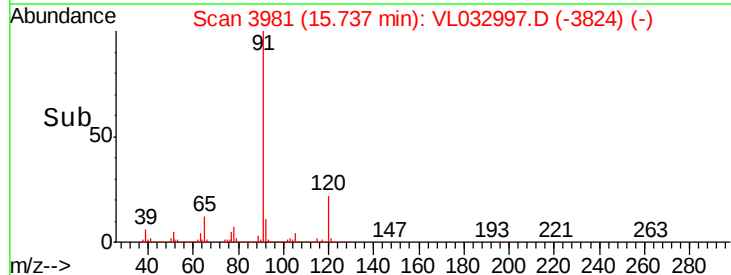
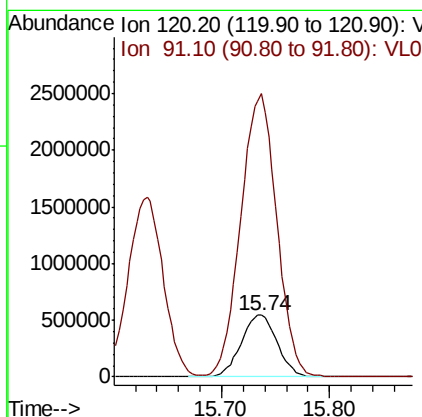
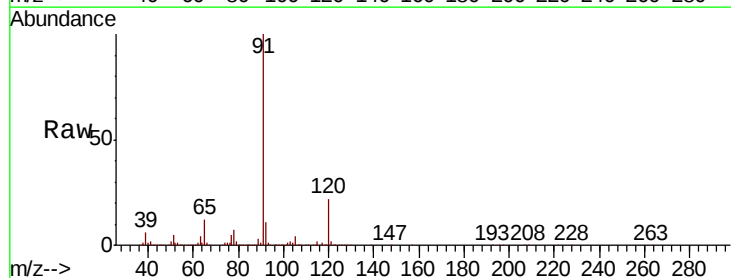
Manual Integrations
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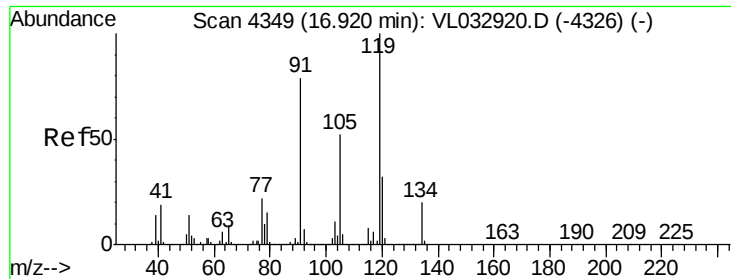
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.326 ppbv
 RT: 15.74 min Scan# 3981
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Tgt Ion: 120 Resp: 1257455
 Ion Ratio Lower Upper
 120 100
 91 460.4 380.4 570.6





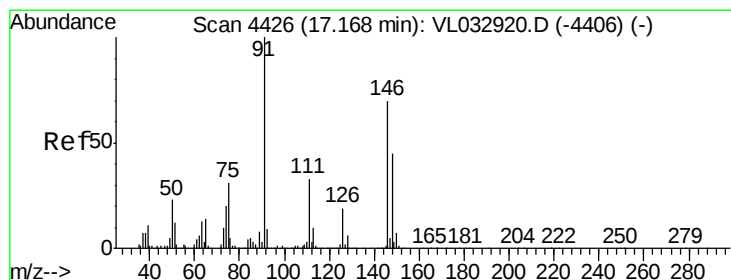
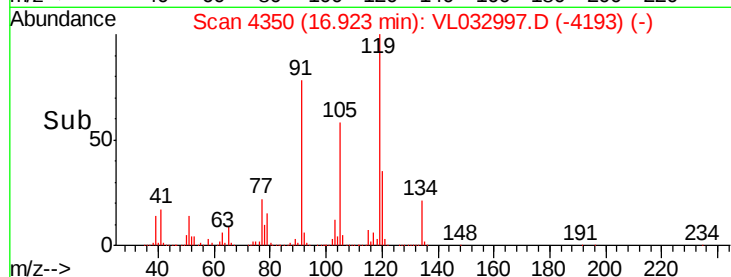
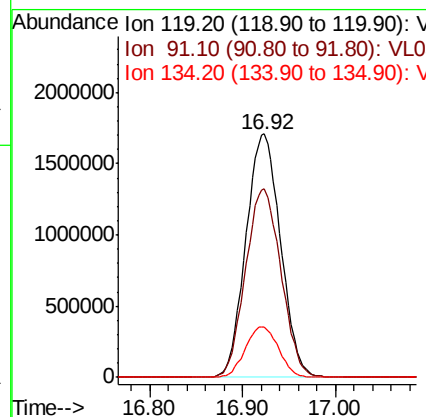
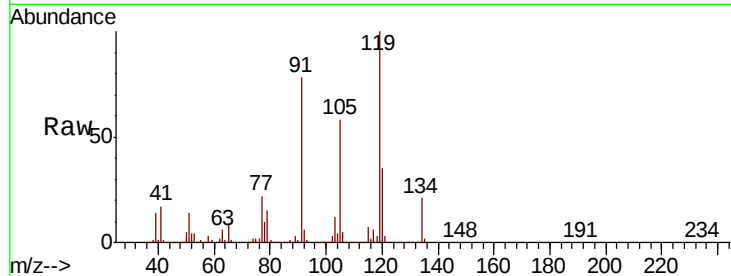
#65
tert-Butylbenzene
Concen: 10.186 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 4427422
Ion Ratio Lower Upper
119 100
91 79.6 64.5 96.7
134 19.9 15.7 23.5

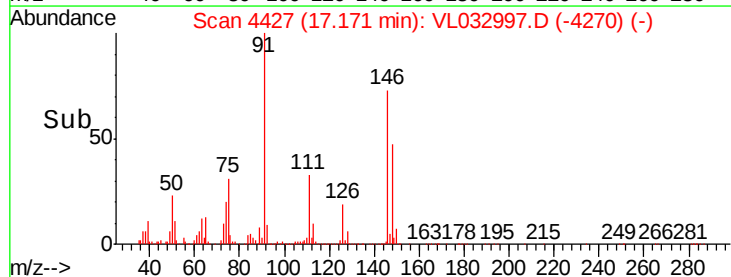
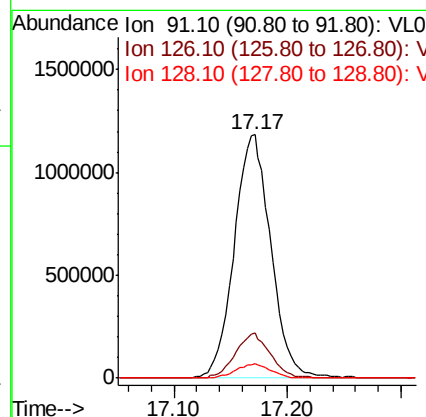
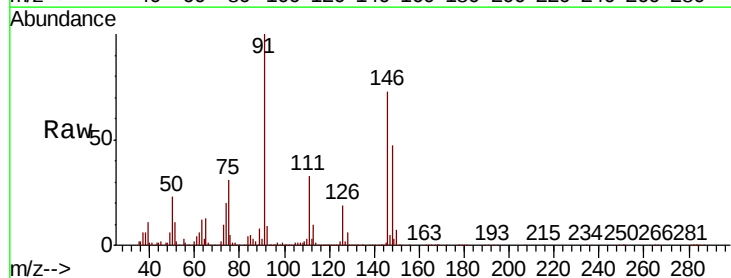
Manual Integrations
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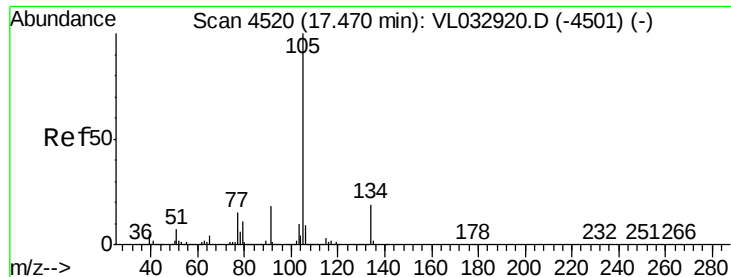
MMDadoda
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#66
Benzyl Chloride
Concen: 10.952 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion: 91 Resp: 2638505
Ion Ratio Lower Upper
91 100
126 17.9 14.1 21.1
128 5.7 4.5 6.7





#67

sec-Butylbenzene

Concen: 9.641 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6178363

Ion Ratio Lower Upper

105 100

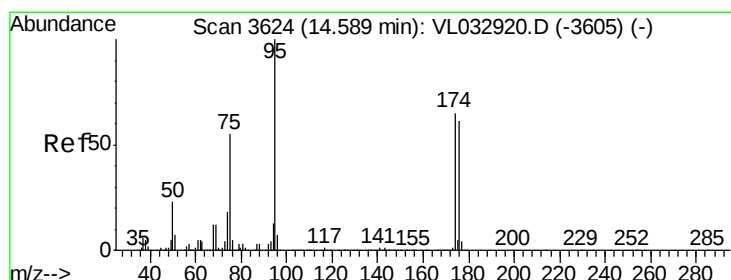
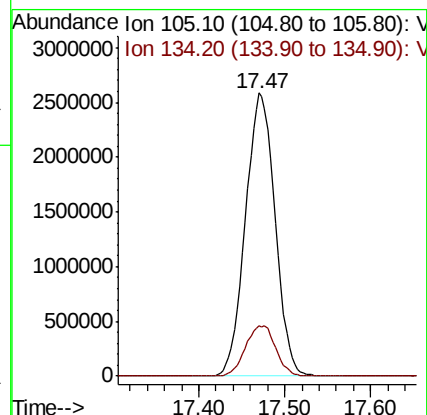
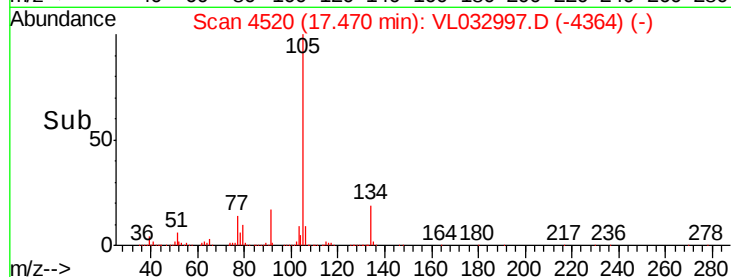
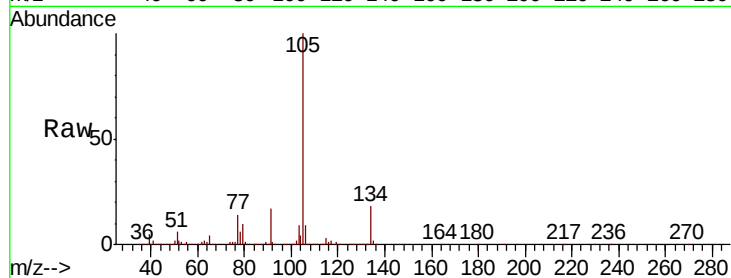
134 18.2 14.6 21.8

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.931 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

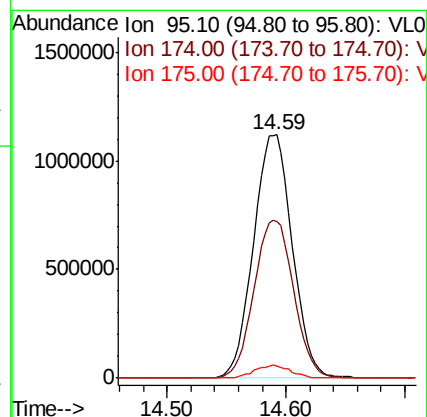
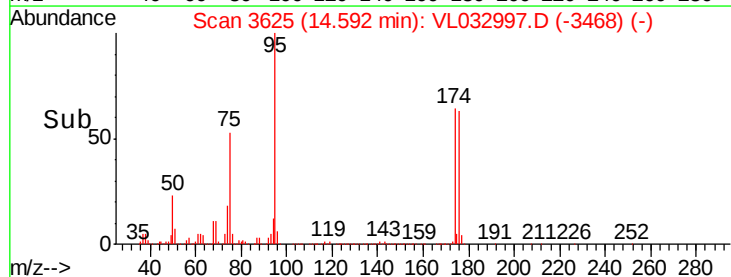
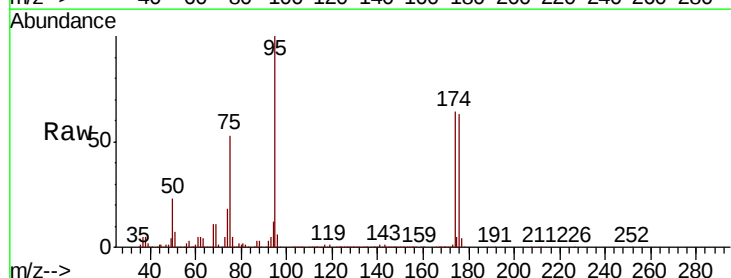
Tgt Ion: 95 Resp: 2524319

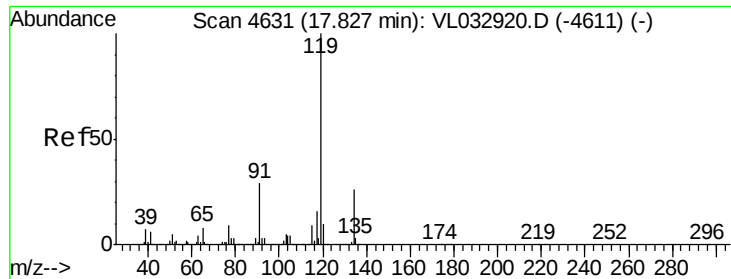
Ion Ratio Lower Upper

95 100

174 66.6 51.4 77.0

175 4.9 3.8 5.6





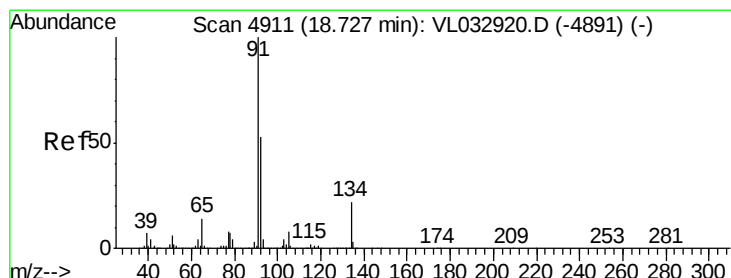
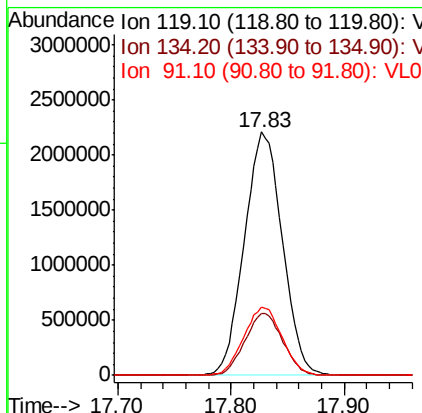
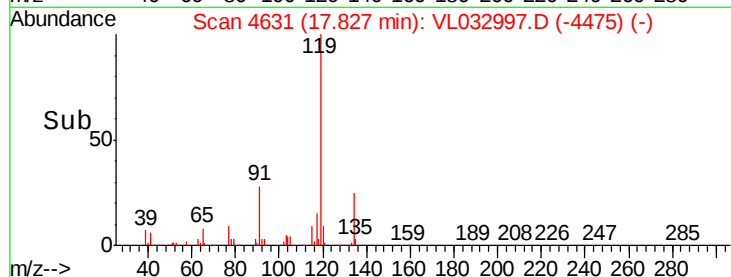
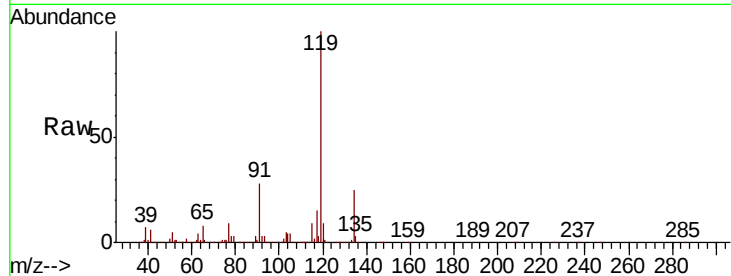
#69
p-Isopropyltoluene
Concen: 9.931 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.2
91	28.4	22.9	34.3

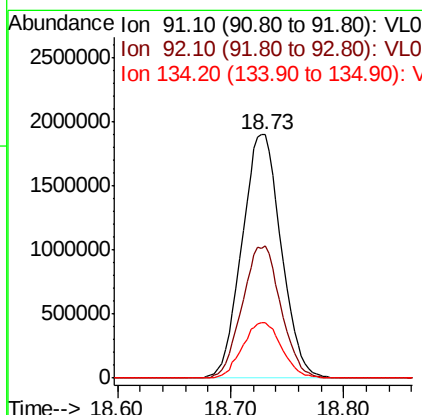
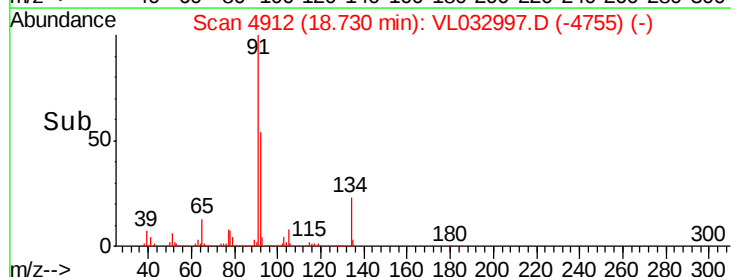
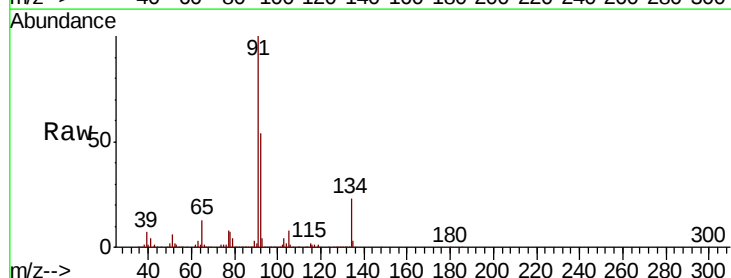
Manual Integrations
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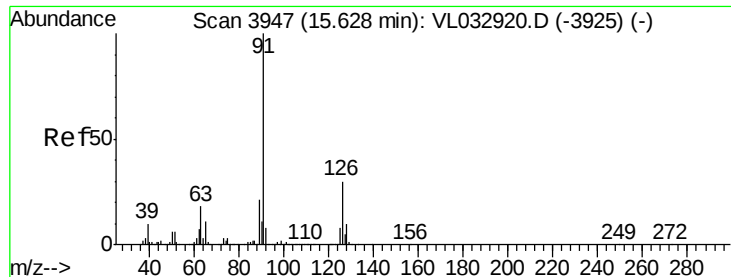
MMDadoda
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#70
n-Butylbenzene
Concen: 9.544 ppbv
RT: 18.73 min Scan# 4912
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	42.7	64.1
134	22.9	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.290 ppbv

RT: 15.63 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3587889

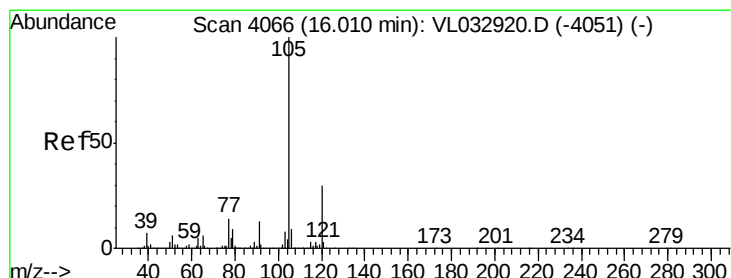
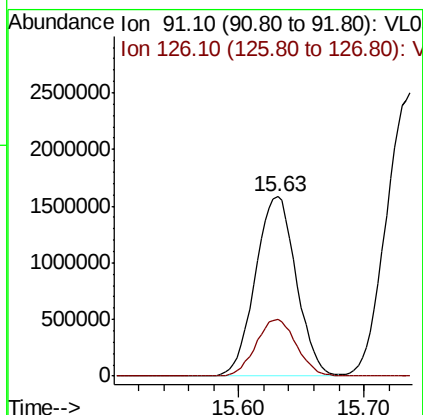
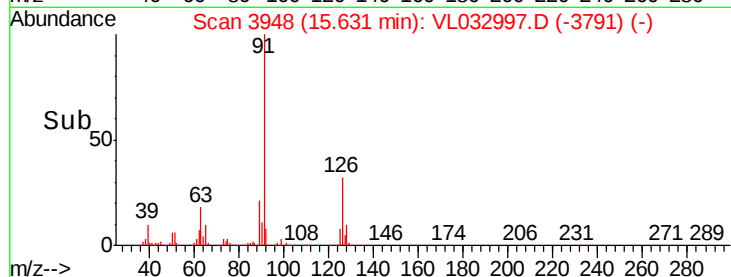
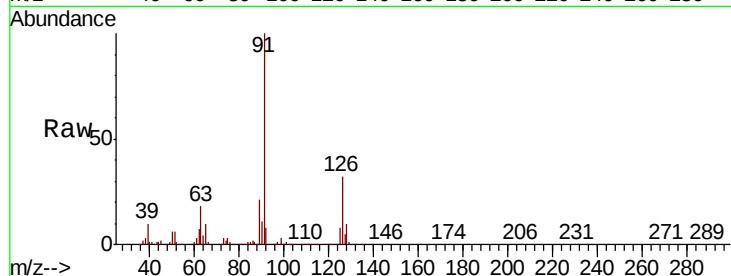
Ion Ratio Lower Upper

91 100

126 31.3 12.3 49.3

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.567 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Tgt Ion:105 Resp: 3964634

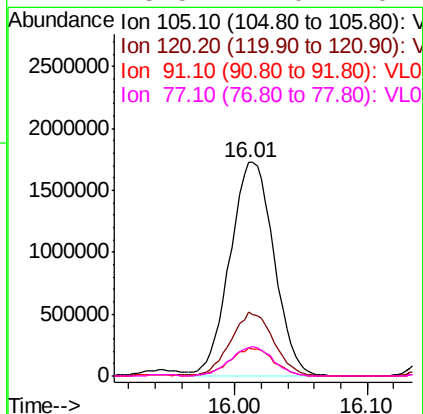
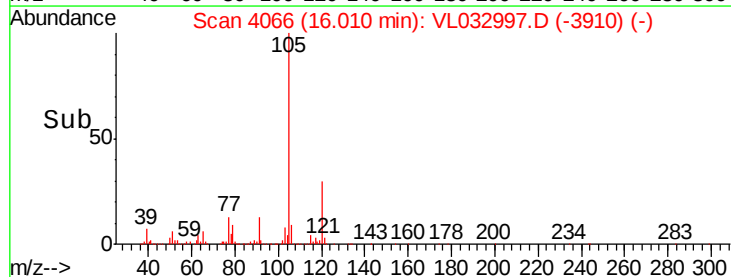
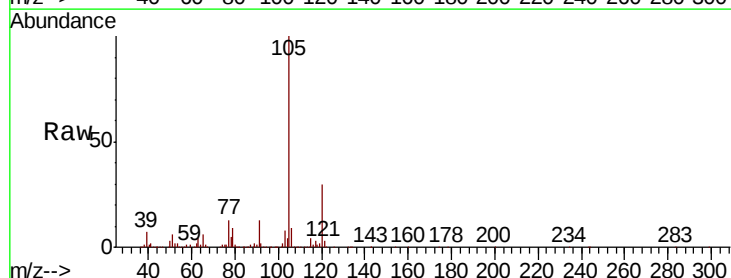
Ion Ratio Lower Upper

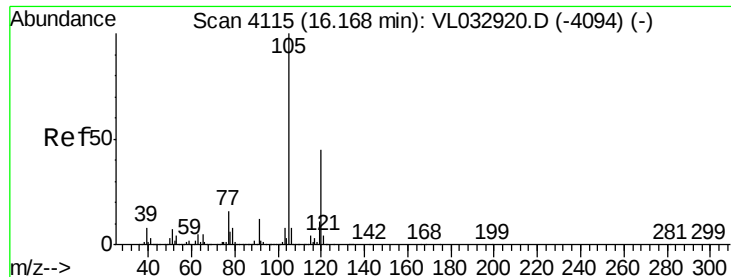
105 100

120 29.1 23.0 34.4

91 12.9 10.4 15.6

77 13.5 11.0 16.4





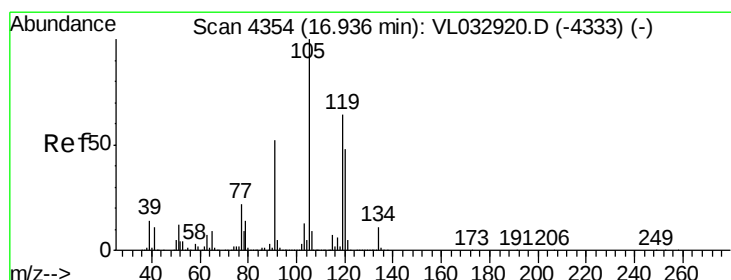
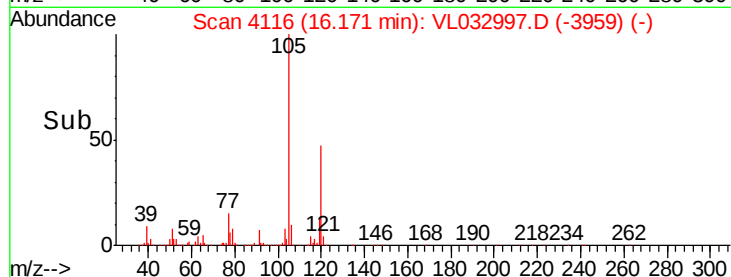
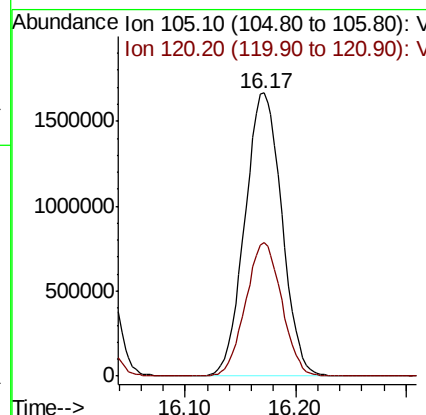
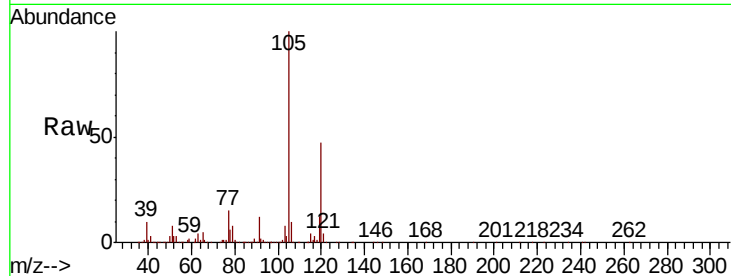
#73
 1,3,5-Trimethylbenzene
 Concen: 10.538 ppbv
 RT: 16.17 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 3859772
 Ion Ratio Lower Upper
 105 100
 120 47.0 36.0 54.0

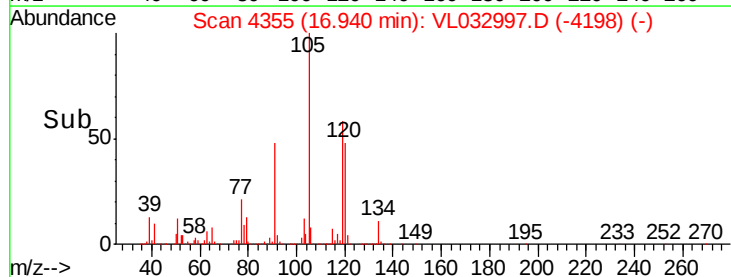
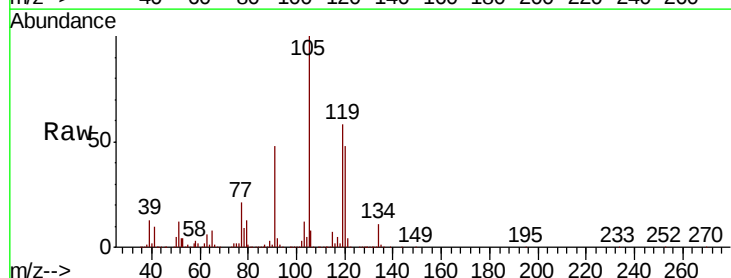
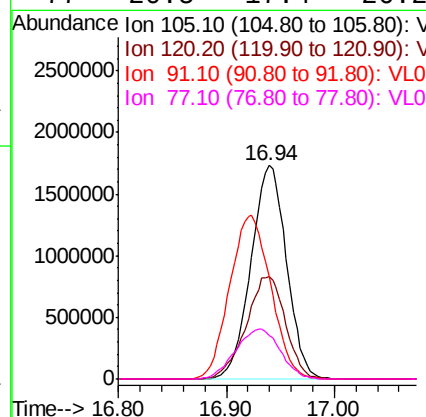
Manual Integrations
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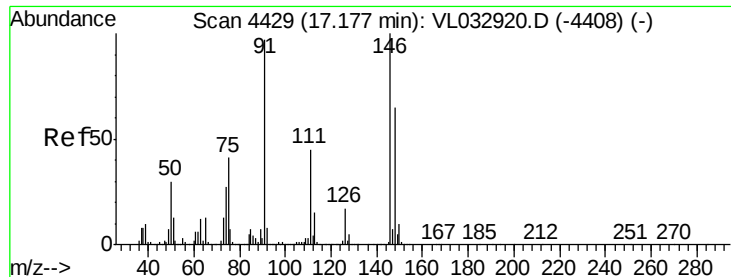
MMDadoda
 12/19/2018 1:56:37 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.590 ppbv
 RT: 16.94 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Tgt Ion:105 Resp: 3965968
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.6 58.0
 91 47.8 41.7 62.5
 77 20.5 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 9.255 ppbv

RT: 17.18 min Scan# 4430

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2254052

Ion Ratio Lower Upper

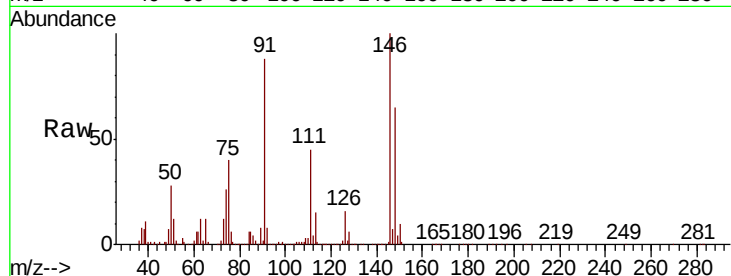
146 100

111 46.5 23.6 70.8

148 63.9 32.1 96.3

Manual Integrations
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MMDadoda
12/19/2018 1:56:37 PM

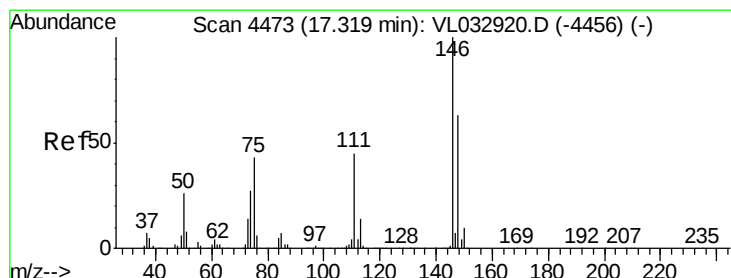
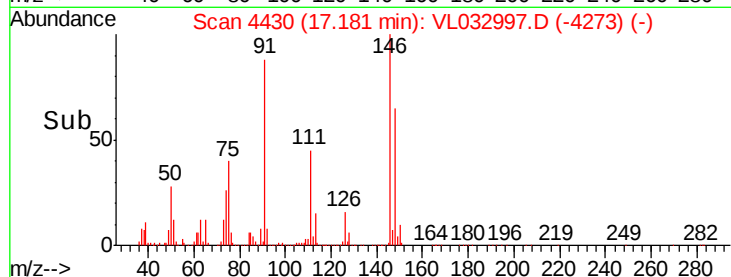
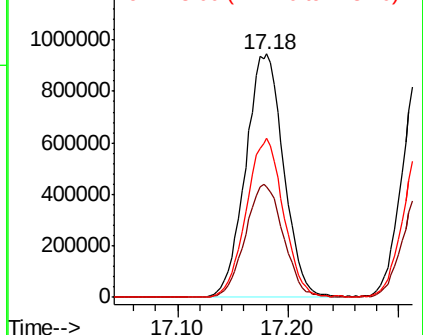


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.636 ppbv

RT: 17.32 min Scan# 4474

Delta R.T. 0.00 min

Lab File: VL032997.D

Acq: 17 Dec 2018 13:01

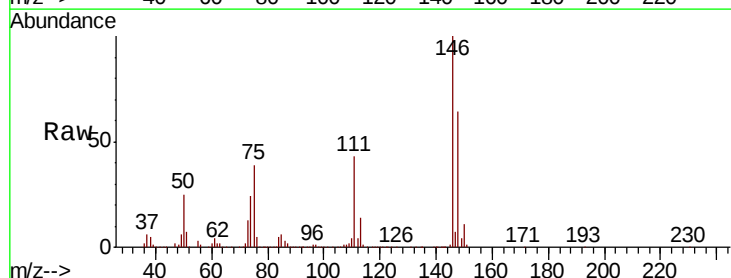
Tgt Ion:146 Resp: 2189794

Ion Ratio Lower Upper

146 100

111 45.0 22.8 68.4

148 64.3 32.0 96.2

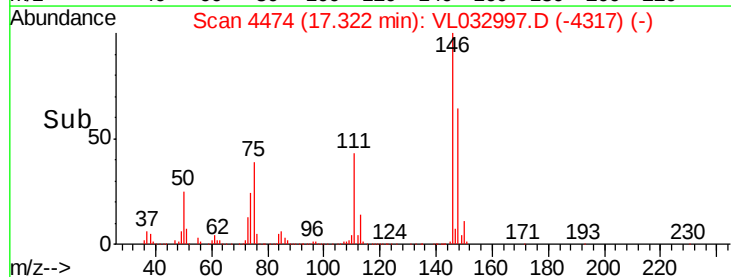
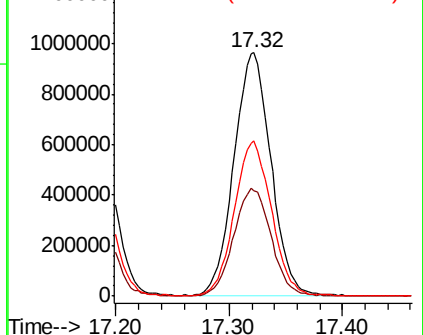


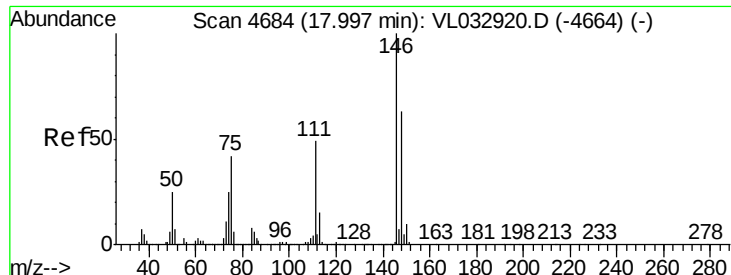
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





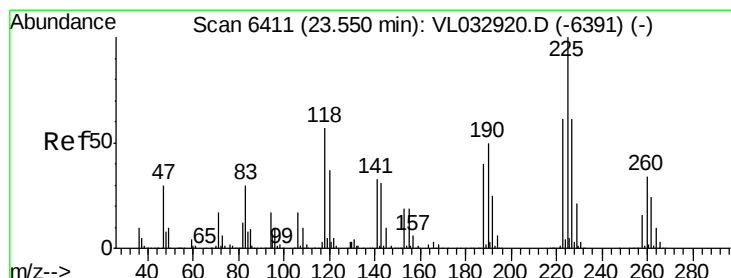
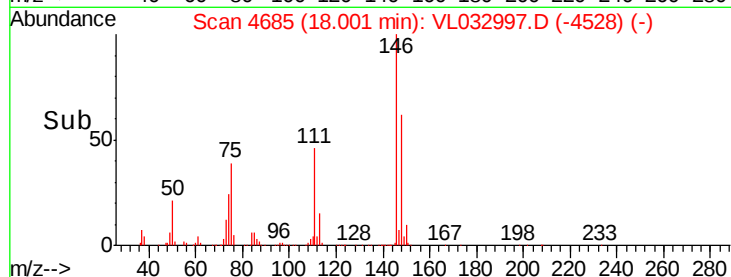
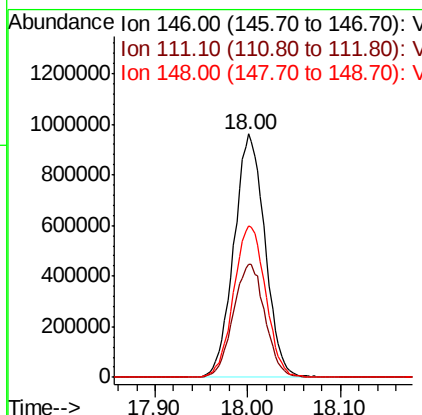
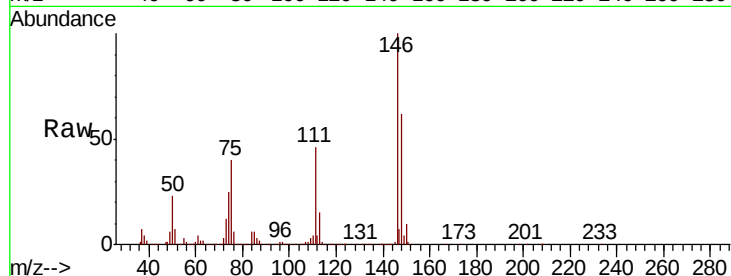
#77
 1,2-Dichlorobenzene
 Concen: 9.828 ppbv
 RT: 18.00 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.6	24.3	72.9
148	64.1	32.0	96.2

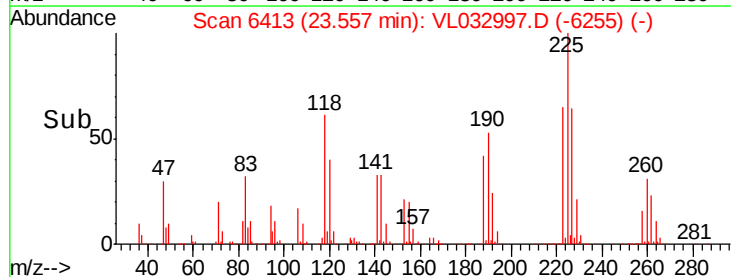
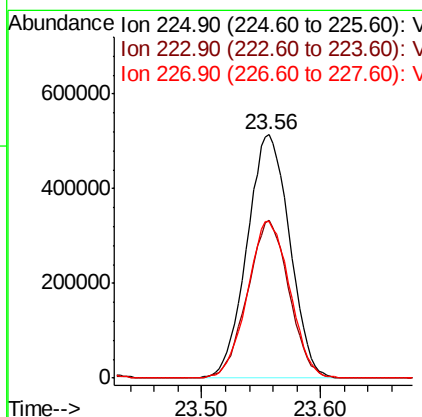
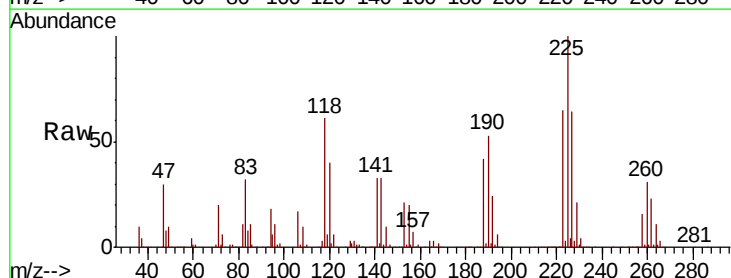
Manual Integrations
 APPROVED

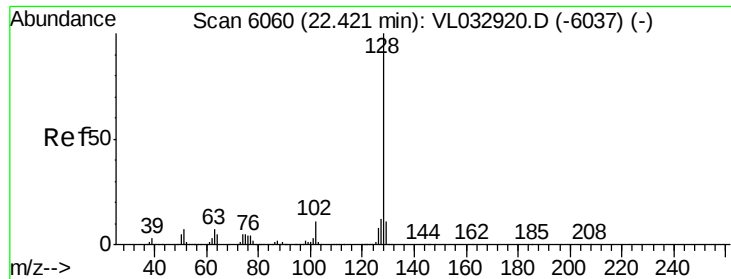
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 10.190 ppbv
 RT: 23.56 min Scan# 6413
 Delta R.T. 0.01 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	64.1	50.4	75.6





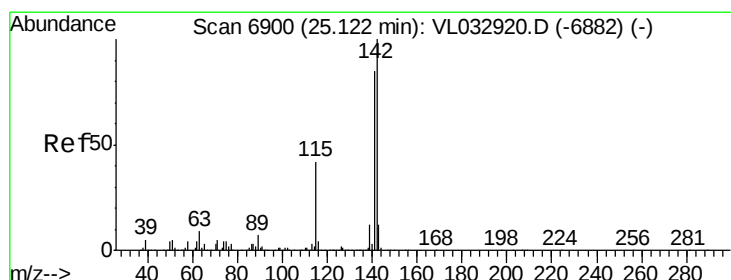
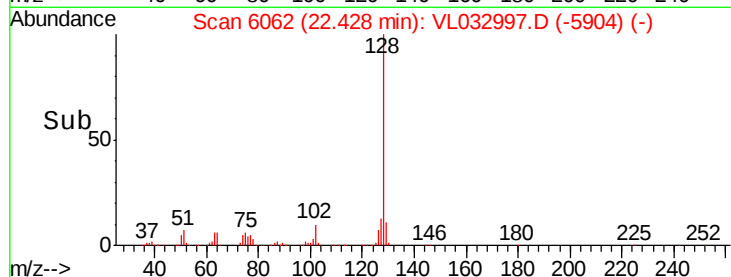
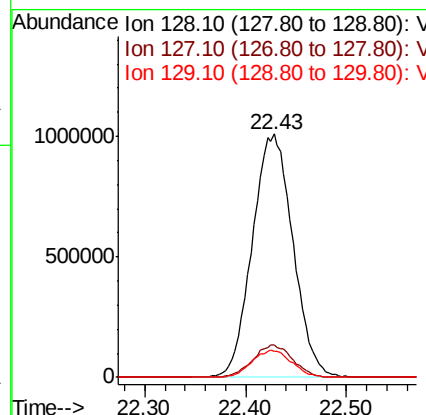
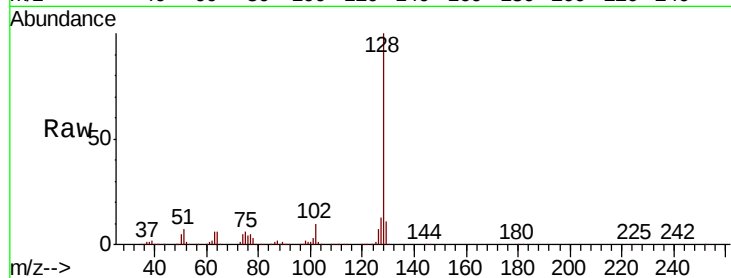
#79
Naphthalene
Concen: 10.557 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.9	14.9
129	10.5	8.6	13.0

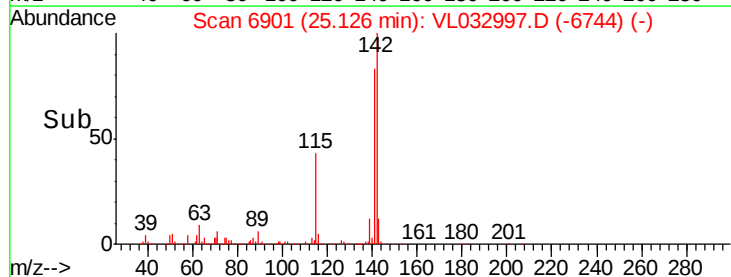
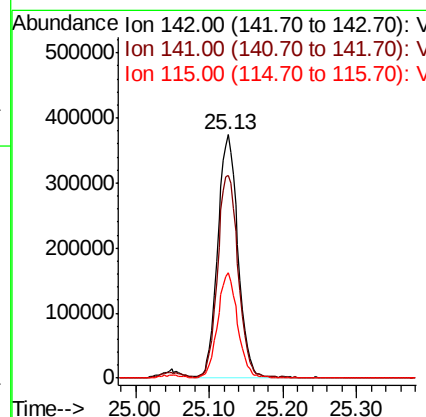
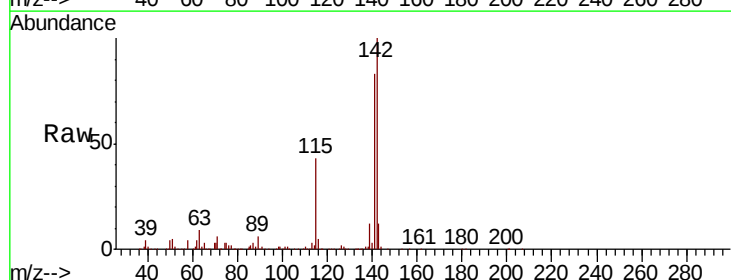
Manual Integrations
APPROVED

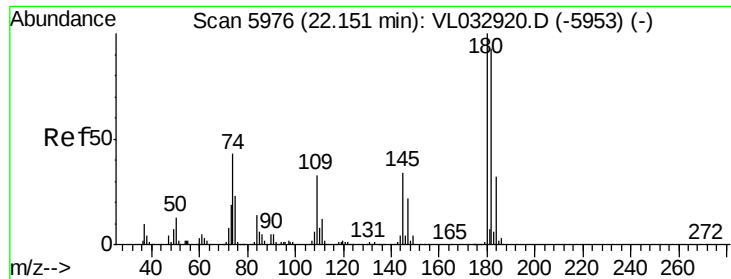
MMDadoda
12/19/2018 1:56:37 PM



#80
Naphthalene, 2-methyl-
Concen: 12.525 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.00 min
Lab File: VL032997.D
Acq: 17 Dec 2018 13:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.2	102.2
115	42.8	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.875 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL032997.D
 Acq: 17 Dec 2018 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.0	115.6
184	30.5	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 1:56:37 PM

