

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033796.D
 Acq On : 24 May 2019 9:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:54:03 AM

Quant Time: May 24 10:12:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	831050	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2153286	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2272709m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1690471	9.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1235722	7.056	ppbv 100
3) Chlorodifluoromethane	3.01	51	1070459	11.245	ppbv 98
4) Chloromethane	3.17	50	646599	11.876	ppbv 99
5) Vinyl Chloride	3.29	62	642949	11.592	ppbv 98
6) Bromomethane	3.51	94	405325	11.977	ppbv 96
7) Chloroethane	3.60	64	235259	11.936	ppbv 98
8) Dichlorotetrafluoroethane	3.22	85	1536696	10.883	ppbv 96
9) Propene	3.03	41	522938	12.915	ppbv 98
10) Heptane	8.24	43	1283677	11.196	ppbv 100
11) Trichlorofluoromethane	4.00	101	1712008	10.242	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1196907	10.254	ppbv 98
13) Ethanol	3.65	45	113921	8.705	ppbv 97
14) Bromoethene	3.78	108	523953	12.210	ppbv 99
15) Acetone	3.90	43	1103242	9.568	ppbv 99
16) 1,3-Butadiene	3.36	39	561174	12.222	ppbv 99
17) tert-Butyl alcohol	4.35	59	1191862	12.783	ppbv 100
18) 1,1-Dichloroethene	4.35	96	541999	11.001	ppbv 96
19) Isopropyl Alcohol	4.02	45	895427	12.044	ppbv 99
20) Methylene Chloride	4.40	84	450462	10.147	ppbv 97
21) Allyl Chloride	4.47	41	810375	11.268	ppbv 98
22) trans-1,2-Dichloroethene	4.96	96	546891	10.829	ppbv 93
23) Vinyl Acetate	5.15	43	1884149	12.393	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1284305	11.113	ppbv 98
25) Ethyl Acetate	5.76	43	2184383	10.784	ppbv 99
26) Hexane	5.77	57	967703	11.113	ppbv 99
27) Carbon Disulfide	4.62	76	1349626	11.297	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1774742	12.502	ppbv 100
29) Chloroform	5.84	83	1631042	10.169	ppbv 99
30) Cyclohexane	7.24	84	862406	11.780	ppbv 96
31) cis-1,2-Dichloroethene	5.63	61	1014466	11.750	ppbv 94
32) 1,1,1-Trichloroethane	6.62	97	1640837	10.245	ppbv 98
34) 2-Butanone	5.32	43	1472381	11.032	ppbv 97
35) Carbon Tetrachloride	7.13	117	1715206	9.944	ppbv 99
36) Benzene	7.00	78	2122788	10.837	ppbv 97
37) 1,2-Dichloroethane	6.41	62	1203882	9.528	ppbv 98
38) Trichloroethene	7.96	130	832846	11.459	ppbv 99
39) 1,2-Dichloropropane	7.73	63	792037	10.846	ppbv 92
40) 1,4-Dioxane	7.95	88	336899	11.028	ppbv # 93
41) Tetrahydrofuran	6.14	42	850359	11.371	ppbv 98
42) Bromodichloromethane	7.91	83	1753970	10.140	ppbv 97
43) Methyl Methacrylate	8.13	69	855557	11.869	ppbv 96

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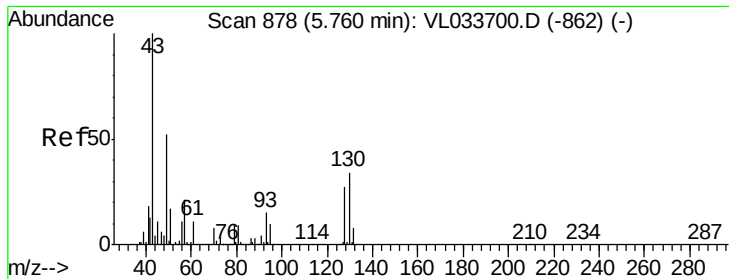
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3356895	10.140	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1120450	12.261	ppbv	97
46) cis-1,3-Dichloropropene	8.83	75	1278413	11.947	ppbv	94
47) 1,1,2-Trichloroethane	9.61	97	874980	10.547	ppbv	99
48) Dibromochloromethane	10.44	129	1494995	10.400	ppbv	99
49) Bromoform	13.20	173	1397438	11.554	ppbv	100
50) 4-Methyl-2-Pentanone	8.86	43	2200535	10.719	ppbv	98
51) 2-Hexanone	10.26	43	1798377	11.224	ppbv #	99
52) Tetrachloroethene	11.37	164	802923	11.661	ppbv	98
53) Toluene	9.94	91	2449379	11.594	ppbv	99
54) 1,2-Dibromoethane	10.75	107	1389399	10.974	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1045056	9.937	ppbv	98
57) Chlorobenzene	12.29	112	1852846	9.904	ppbv	98
58) Ethyl Benzene	12.86	91	3354316	11.145	ppbv	98
59) m/p-Xylene	13.15	91	5476648m	20.817	ppbv	
60) o-Xylene	13.84	91	2709301	10.216	ppbv	98
61) Styrene	13.68	104	2151549	12.050	ppbv	98
62) Isopropylbenzene	14.82	105	3697311	10.352	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1890031	9.800	ppbv	99
64) n-propylbenzene	15.72	120	984764	10.659	ppbv	97
65) tert-Butylbenzene	16.90	119	3395286	10.412	ppbv	98
66) Benzyl Chloride	17.15	91	1801570	11.600	ppbv	99
67) sec-Butylbenzene	17.45	105	4748913	10.405	ppbv	100
69) p-Isopropyltoluene	17.81	119	3916735	10.383	ppbv	99
70) n-Butylbenzene	18.71	91	3973957	9.823	ppbv	100
71) 2-Chlorotoluene	15.61	91	2790858	10.532	ppbv	99
72) 4-Ethyltoluene	16.00	105	3304023	10.896	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	3065570	10.361	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	3192690	9.916	ppbv	97
75) 1,3-Dichlorobenzene	17.16	146	1878081	9.518	ppbv	99
76) 1,4-Dichlorobenzene	17.30	146	1873669	9.991	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1805785	9.740	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1296640	9.250	ppbv	99
79) Naphthalene	22.41	128	2799105	9.359	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1315443	11.576	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	1530695	8.741	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

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MSVOA_L

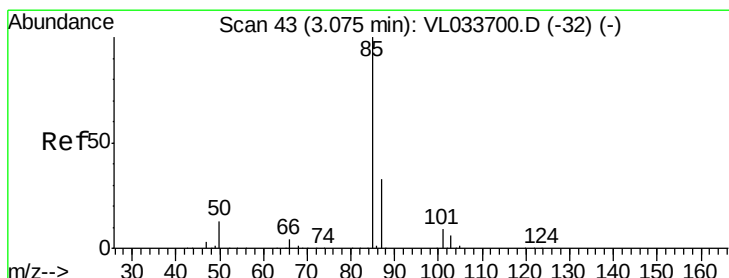
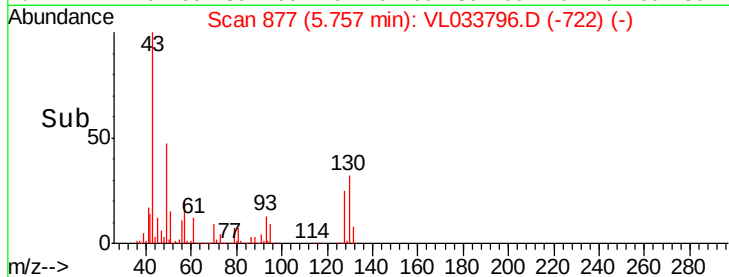
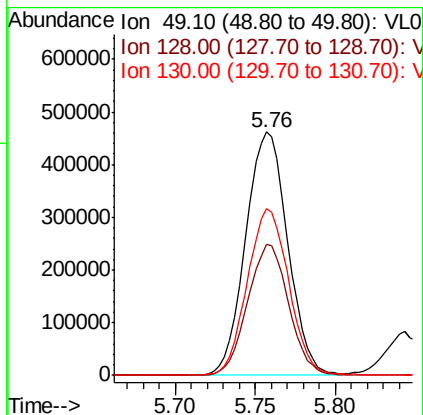
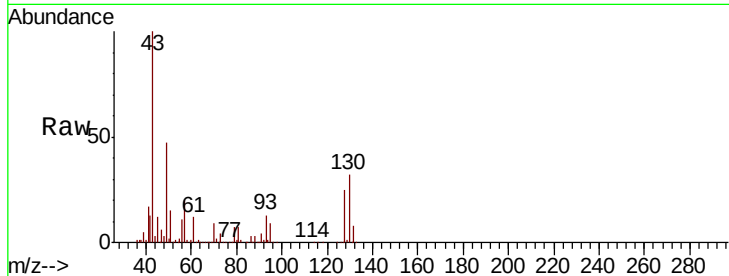
ClientSampleId :

VSTDCCC010EC

Tot Ion:	49	Resp:	831050
Ion	Ratio	Lower	Upper
49	100		
128	52.6	25.2	75.6
130	68.1	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 7.056 ppbv

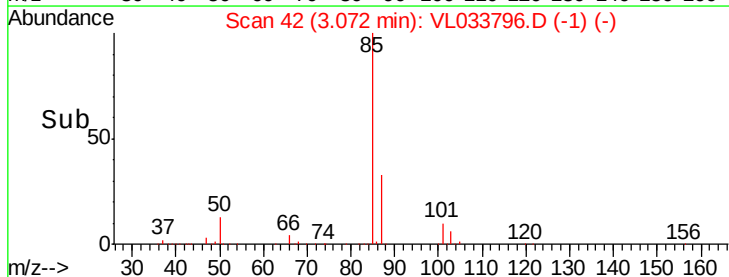
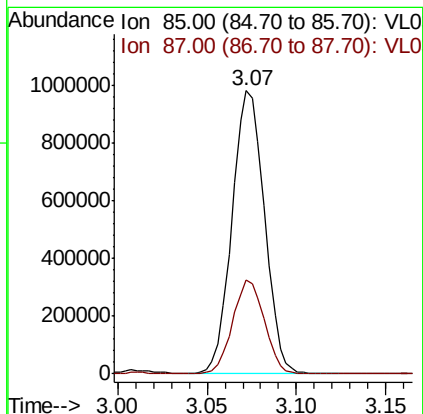
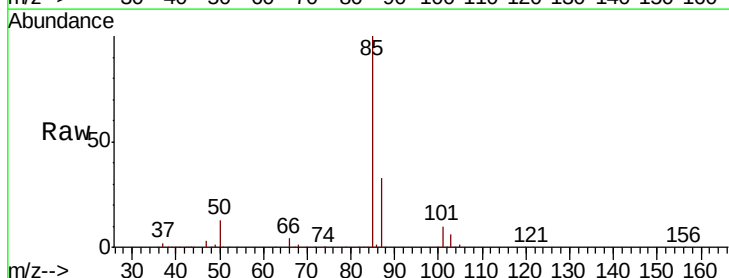
RT: 3.07 min Scan# 42

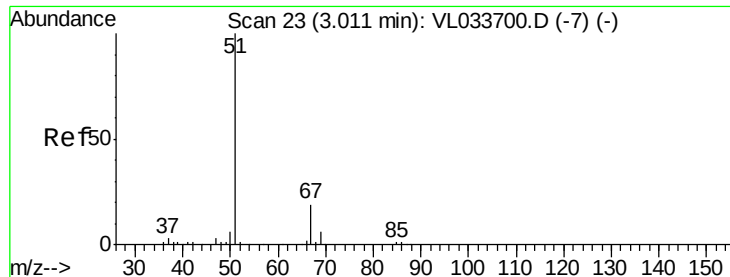
Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion:	85	Resp:	1235722
Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.3	39.5





#3

Chlorodifluoromethane

Concen: 11.245 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1070459

Ion Ratio Lower Upper

51 100

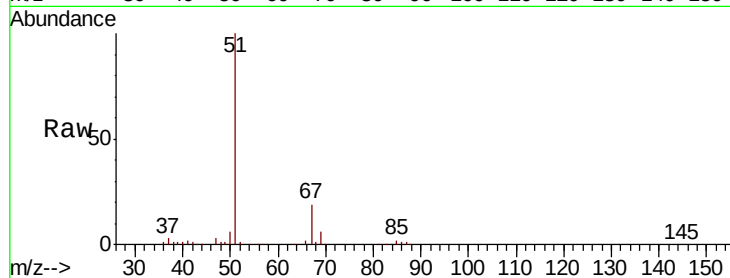
67 18.6 15.6 23.4

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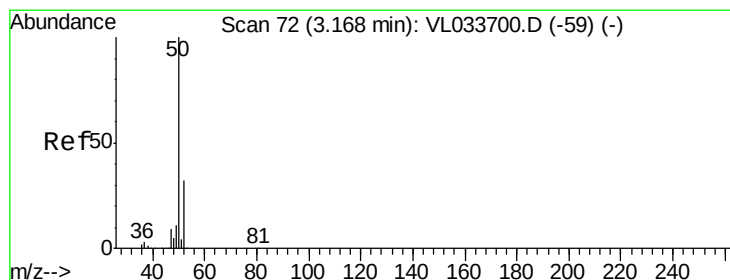
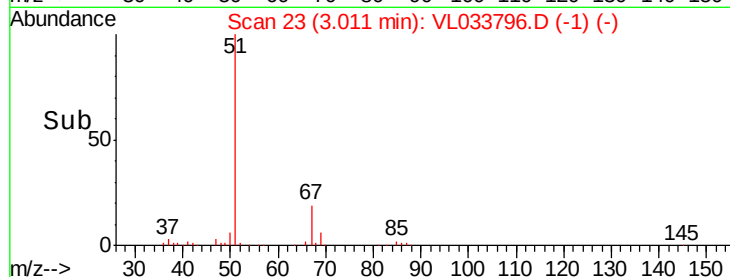
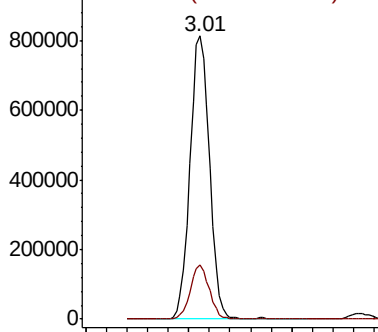
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5/28/2019 2:54:03 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.876 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033796.D

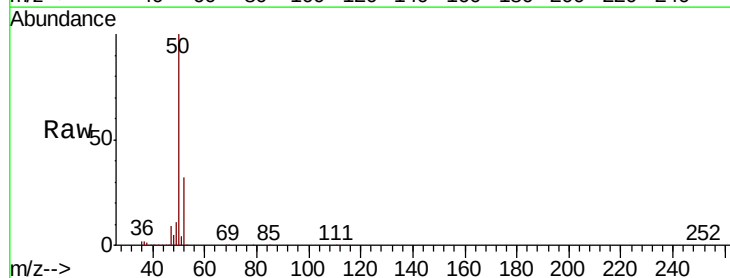
Acq: 24 May 2019 9:28

Tgt Ion: 50 Resp: 646599

Ion Ratio Lower Upper

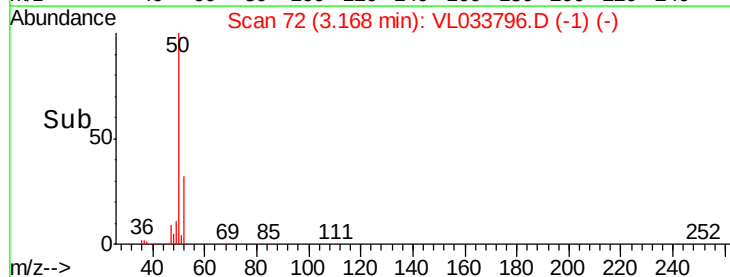
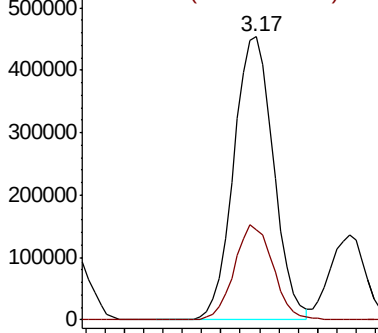
50 100

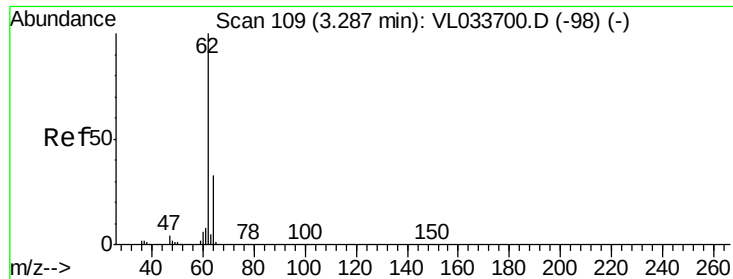
52 31.6 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.592 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010EC

Tot Ion: 62 Resp: 642949

Ion Ratio Lower Upper

62 100

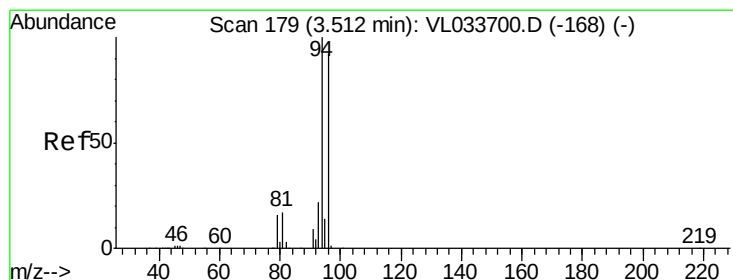
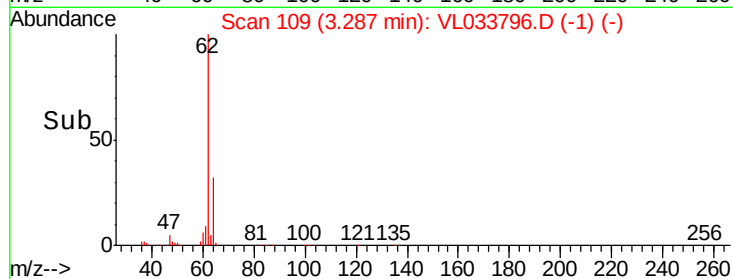
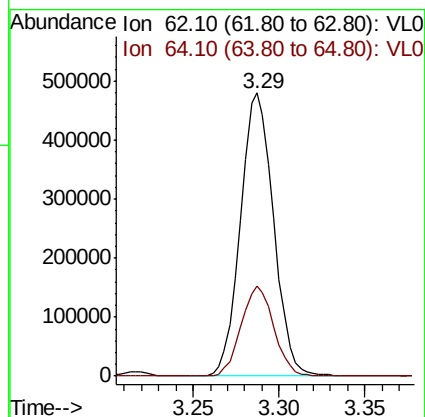
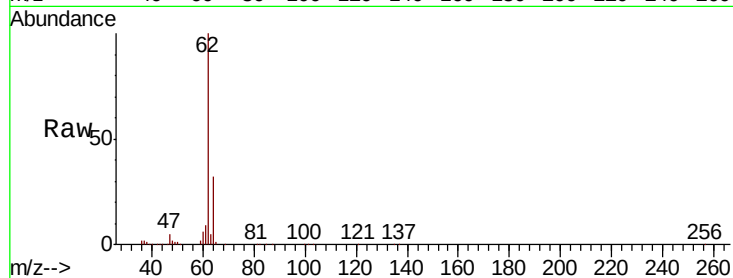
64 31.8 26.4 39.6

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#6

Bromomethane

Concen: 11.977 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033796.D

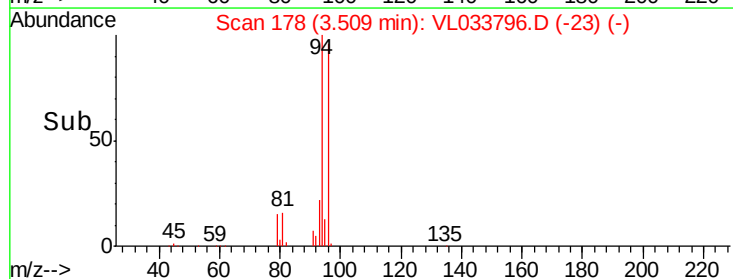
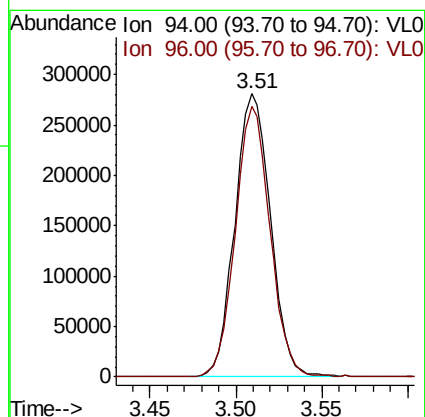
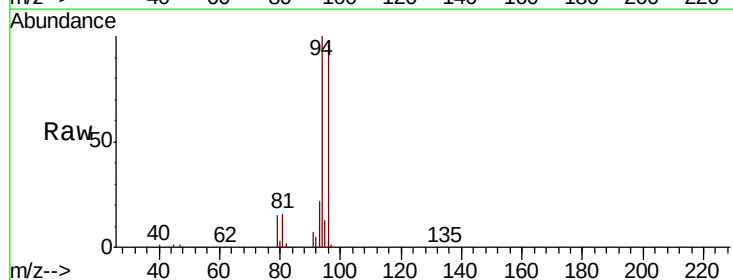
Acq: 24 May 2019 9:28

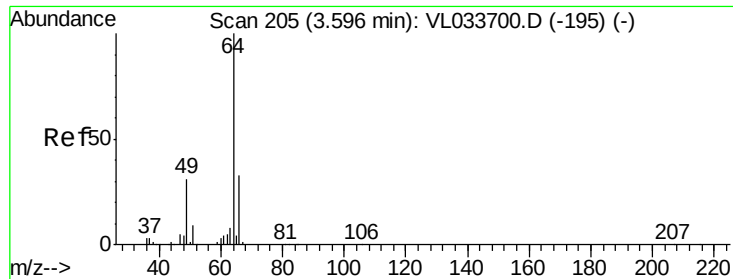
Tgt Ion: 94 Resp: 405325

Ion Ratio Lower Upper

94 100

96 95.6 73.6 110.4





#7

Chloroethane

Concen: 11.936 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 235259

Ion Ratio Lower Upper

64 100

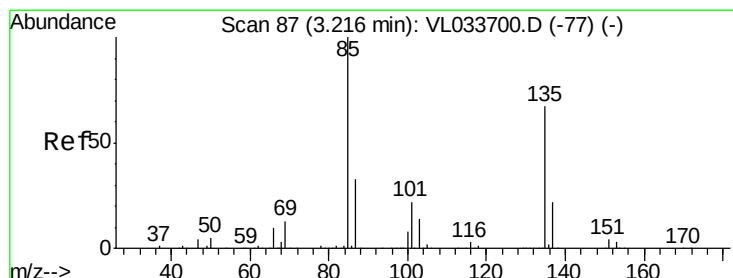
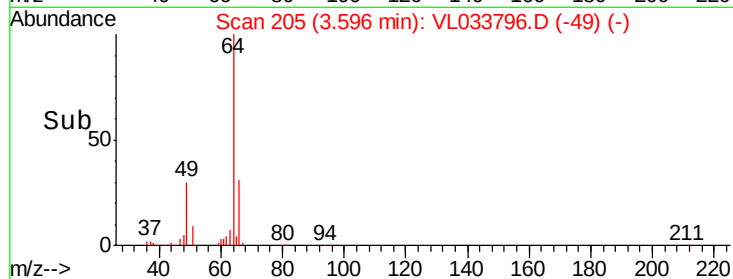
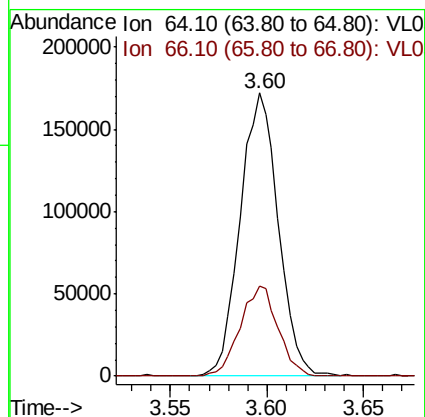
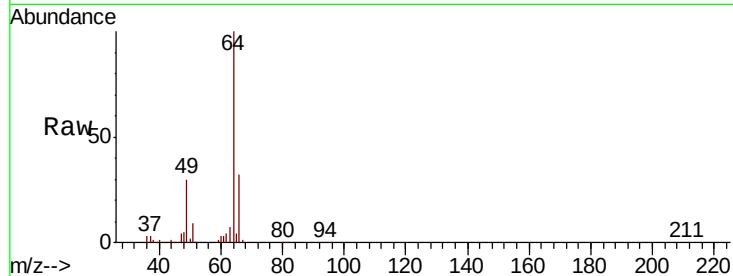
66 31.9 26.6 40.0

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.883 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033796.D

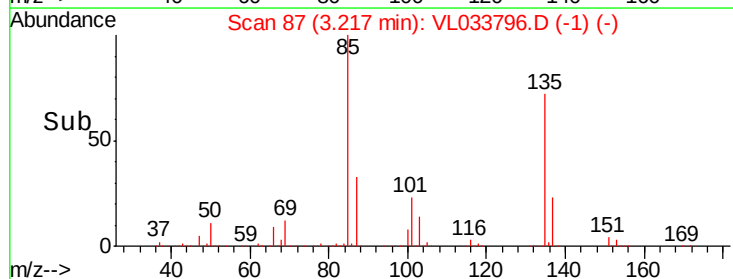
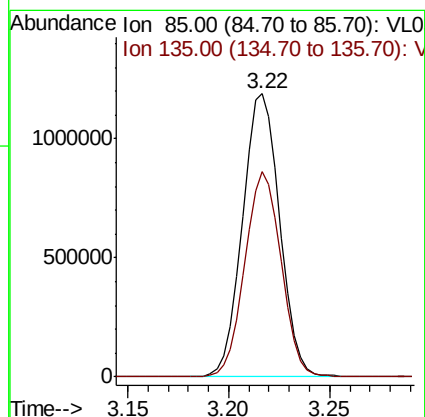
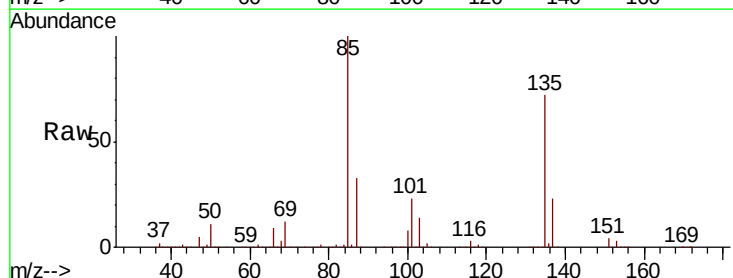
Acq: 24 May 2019 9:28

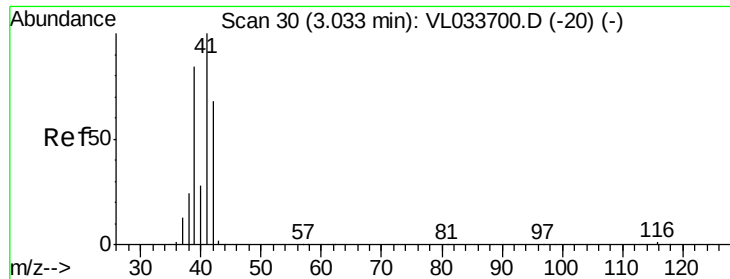
Tgt Ion: 85 Resp: 1536696

Ion Ratio Lower Upper

85 100

135 71.1 54.5 81.7





#9

Propene

Concen: 12.915 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 522938

Ion Ratio Lower Upper

41 100

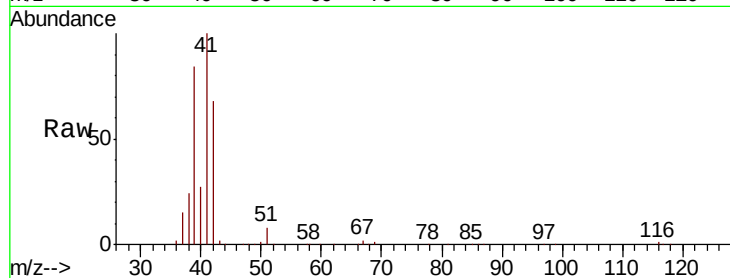
42 68.1 56.1 84.1

Manual Integrations

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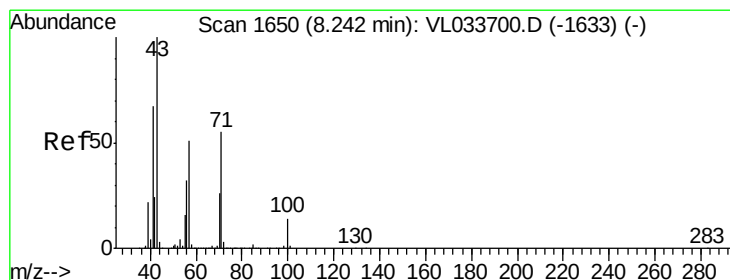
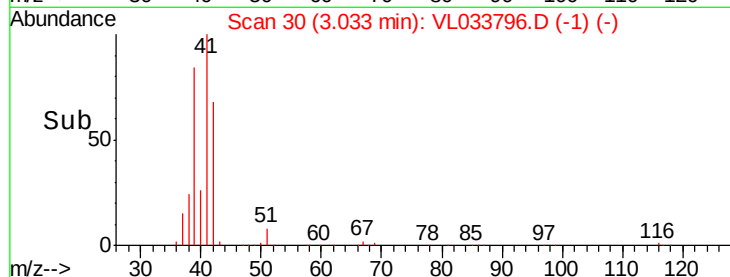
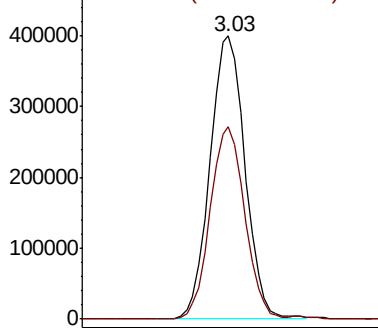
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.196 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033796.D

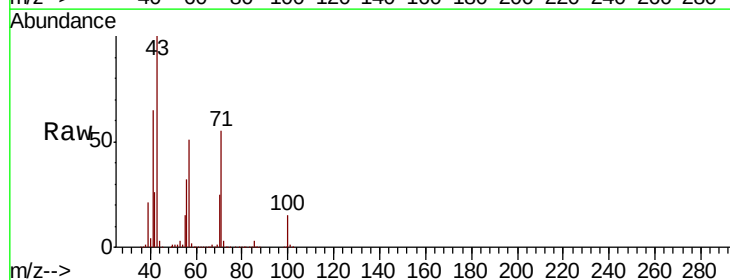
Acq: 24 May 2019 9:28

Tgt Ion: 43 Resp: 1283677

Ion Ratio Lower Upper

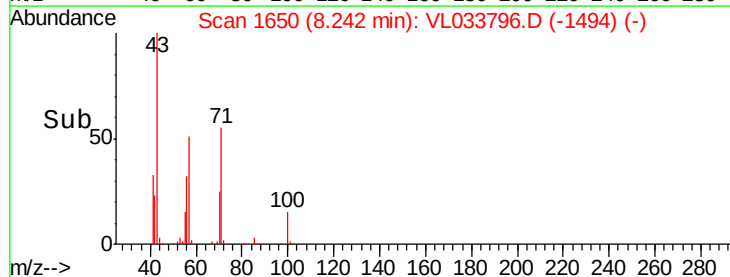
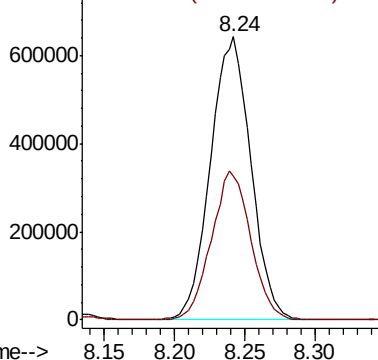
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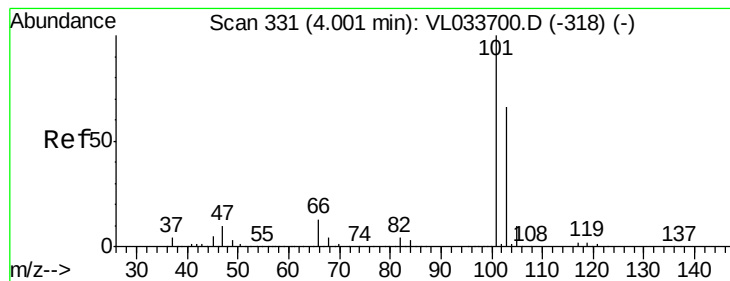
57 51.5 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.242 ppbv

RT: 4.00 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

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Tot Ion:101 Resp: 1712008

Ion Ratio Lower Upper

101 100

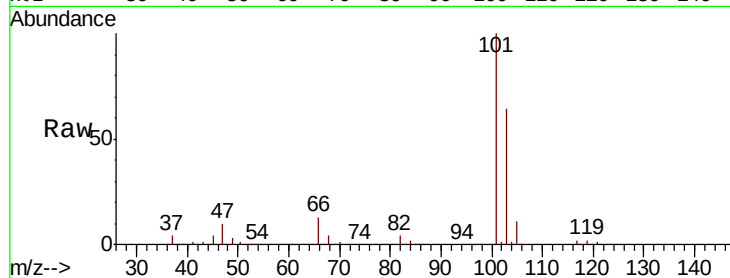
103 64.3 52.6 78.8

Manual Integrations

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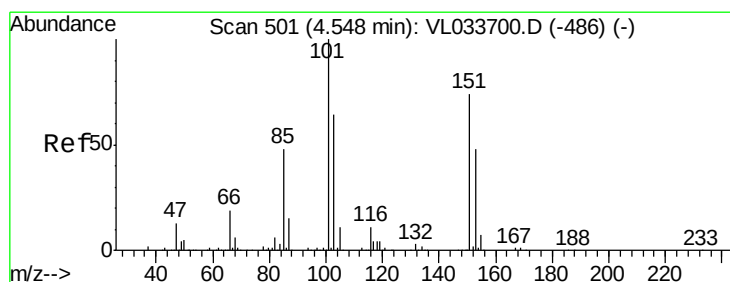
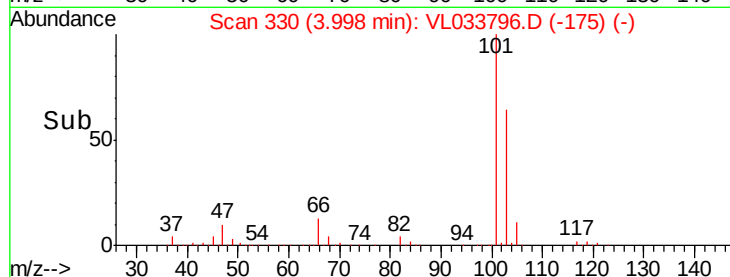
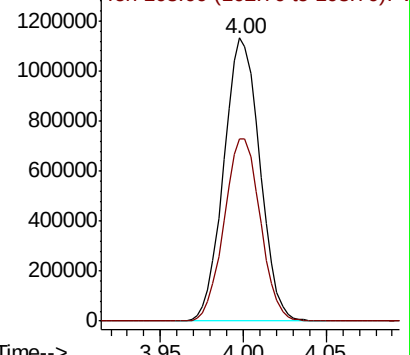
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.254 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033796.D

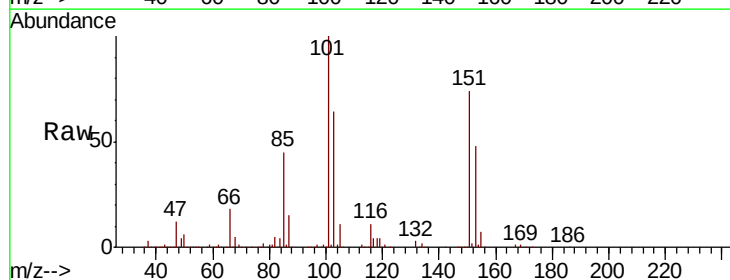
Acq: 24 May 2019 9:28

Tgt Ion:101 Resp: 1196907

Ion Ratio Lower Upper

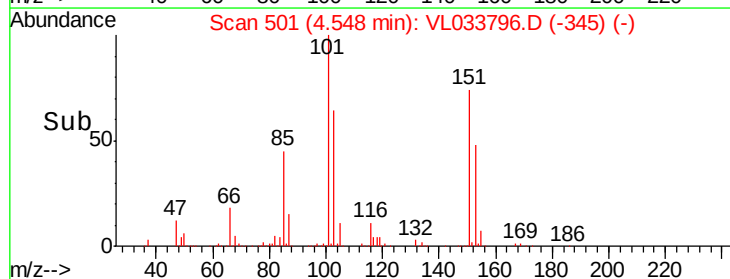
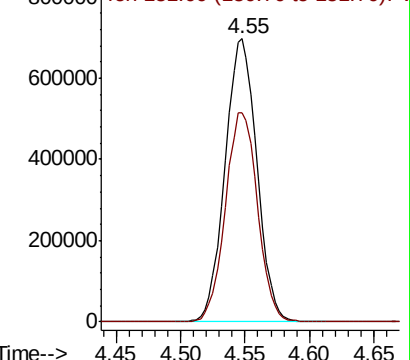
101 100

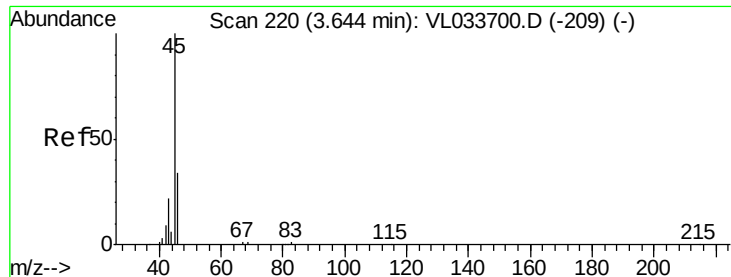
151 74.8 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





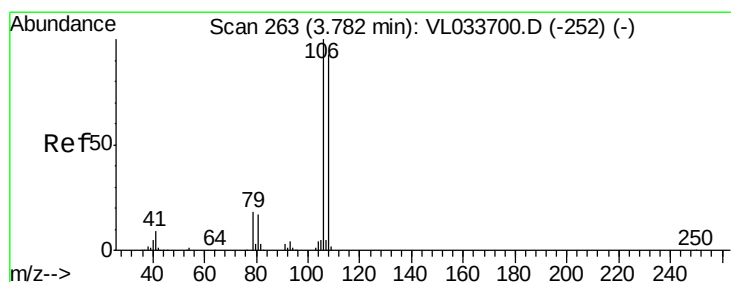
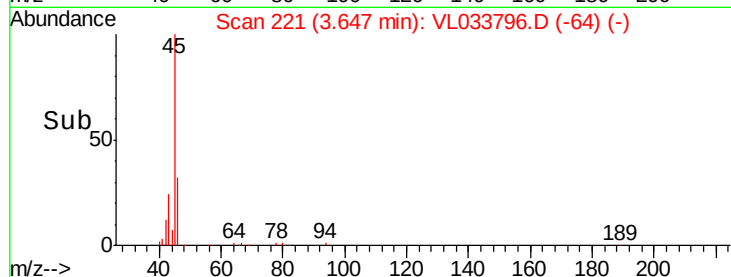
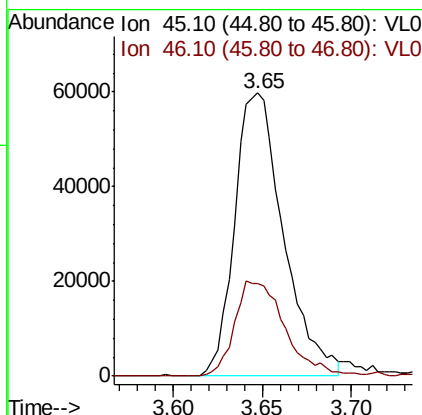
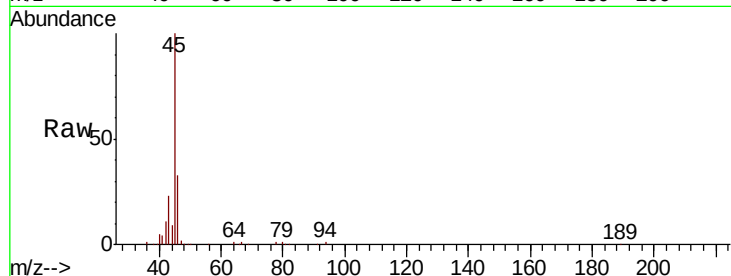
#13
Ethanol
Concen: 8.705 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.3	14.8	59.0

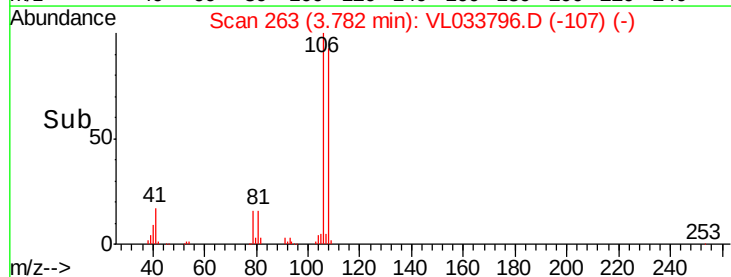
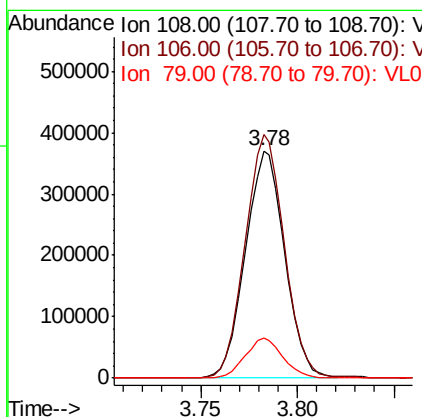
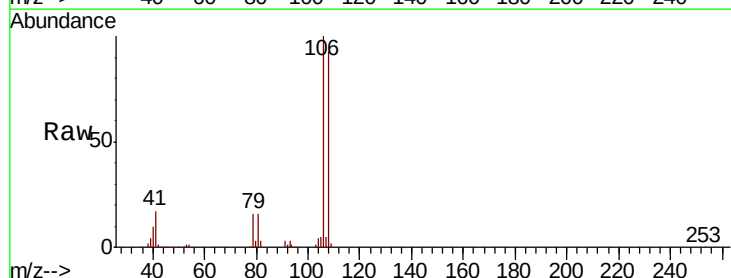
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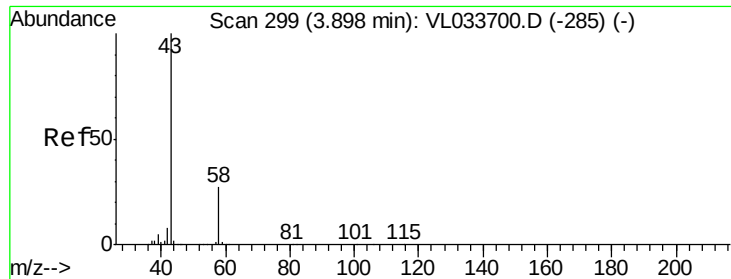
MMDadoda
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#14
Bromoethene
Concen: 12.210 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.4	86.5	129.7
79	17.4	15.1	22.7





#15

Acetone

Concen: 9.568 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1103242

Ion Ratio Lower Upper

43 100

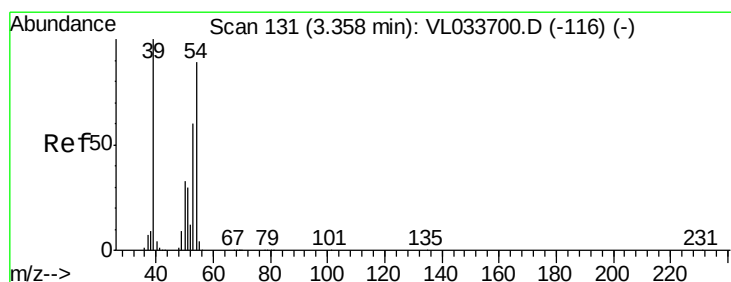
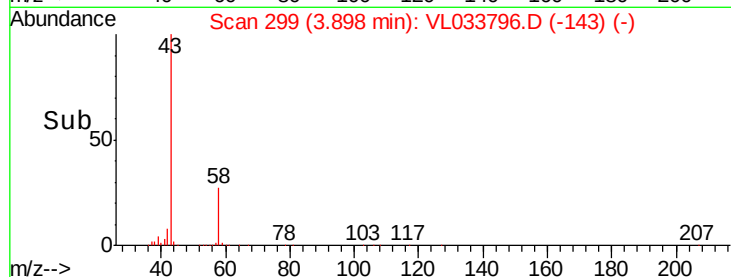
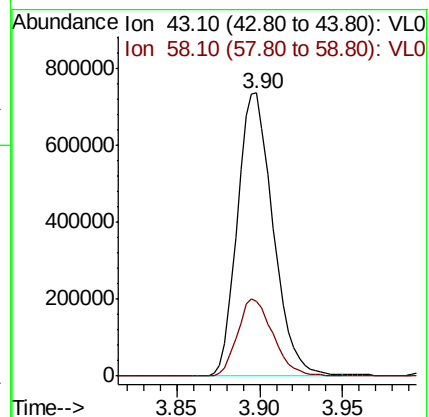
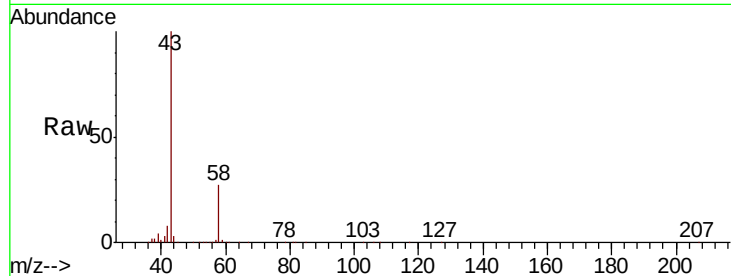
58 27.2 21.3 31.9

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#16

1,3-Butadiene

Concen: 12.222 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033796.D

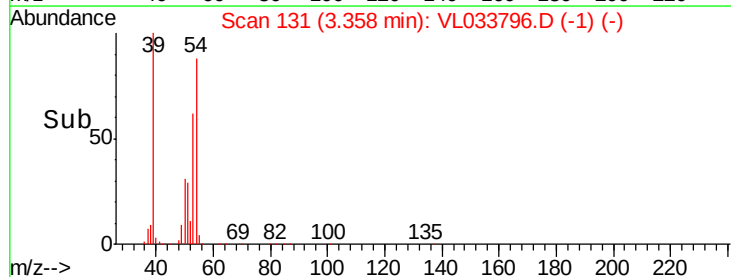
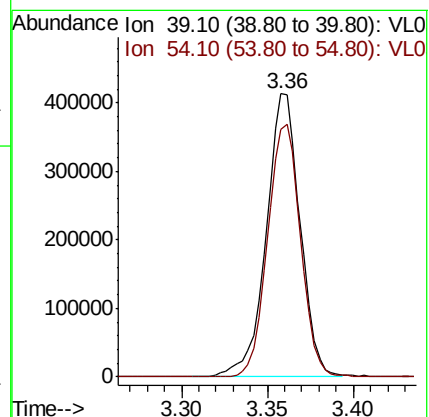
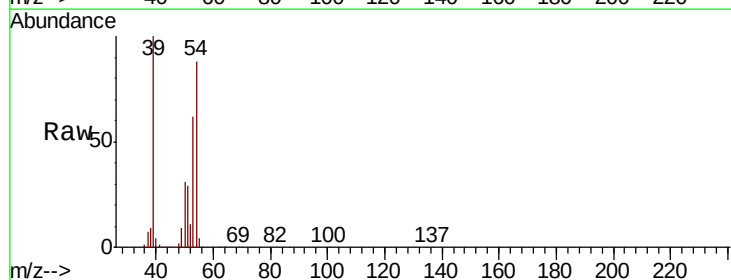
Acq: 24 May 2019 9:28

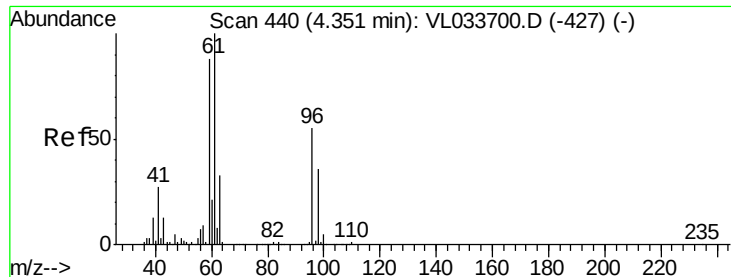
Tgt Ion: 39 Resp: 561174

Ion Ratio Lower Upper

39 100

54 87.3 69.0 103.6





#17

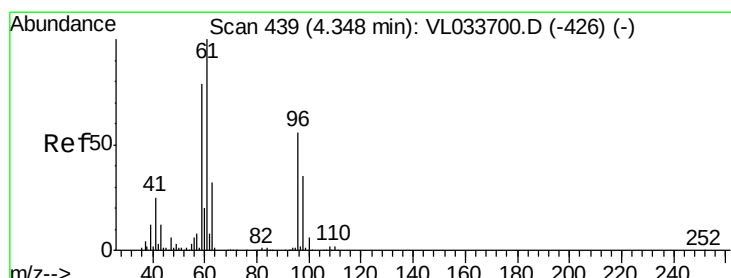
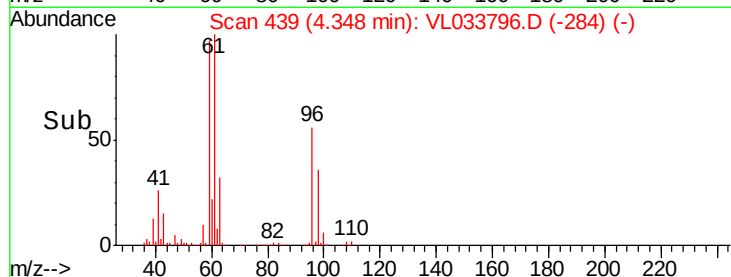
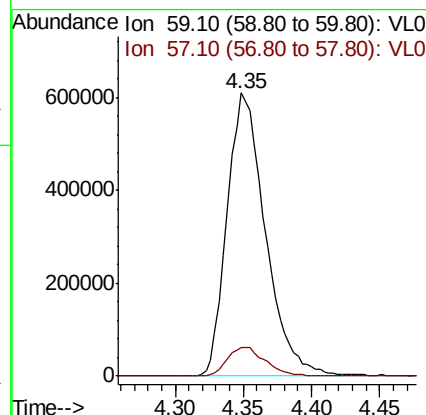
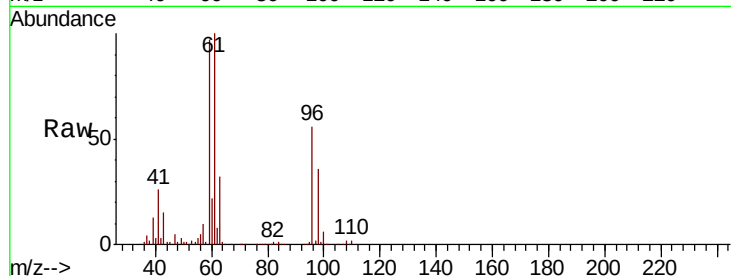
tert-Butyl alcohol
 Concen: 12.783 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1191862
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

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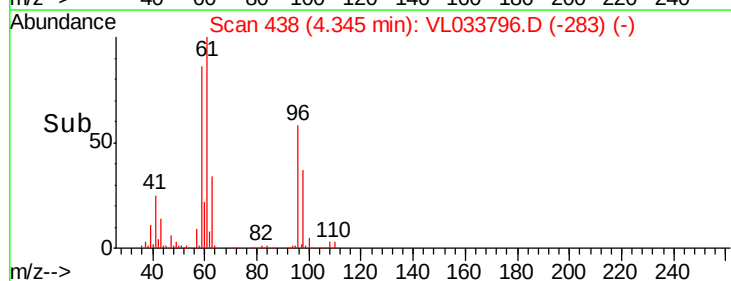
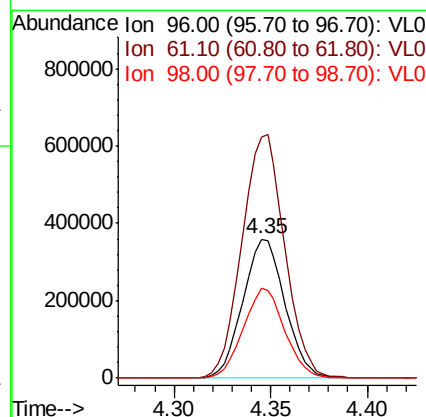
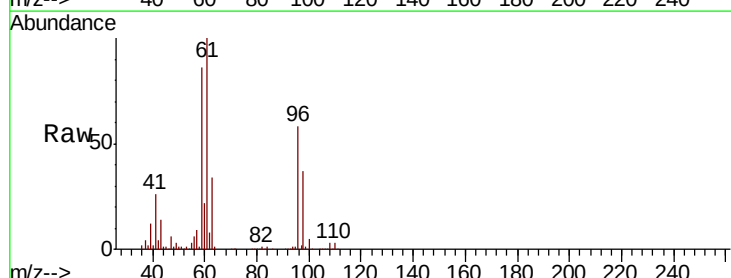
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 5/28/2019 2:54:03 AM

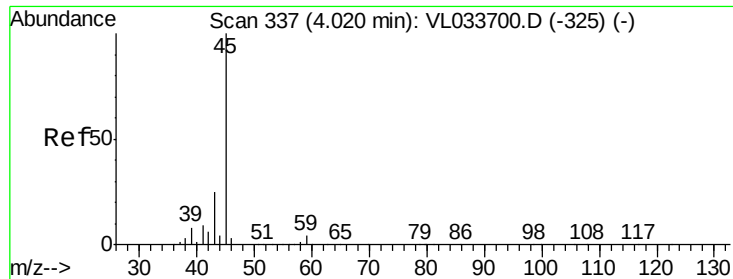


#18

1,1-Dichloroethene
 Concen: 11.001 ppbv
 RT: 4.35 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion: 96 Resp: 541999
 Ion Ratio Lower Upper
 96 100
 61 173.0 143.1 214.7
 98 64.6 49.5 74.3





#19

Isopropyl Alcohol

Concen: 12.044 ppbv

RT: 4.02 min Scan# 336

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 895427

Ion Ratio Lower Upper

45 100

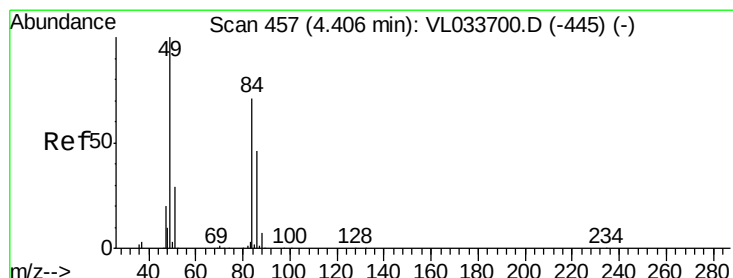
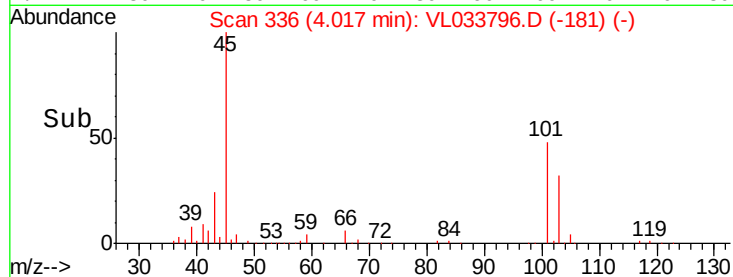
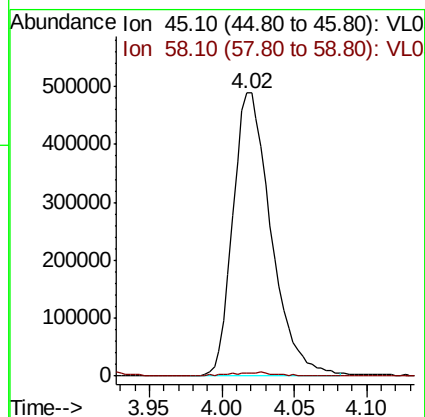
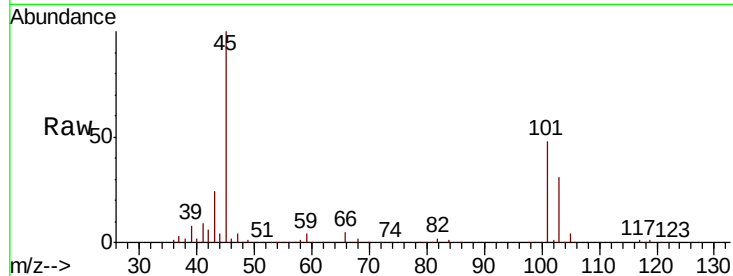
58 1.8 1.6 2.4

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#20

Methylene Chloride

Concen: 10.147 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion: 84 Resp: 450462

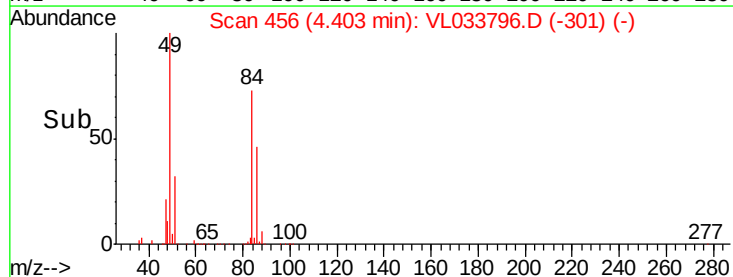
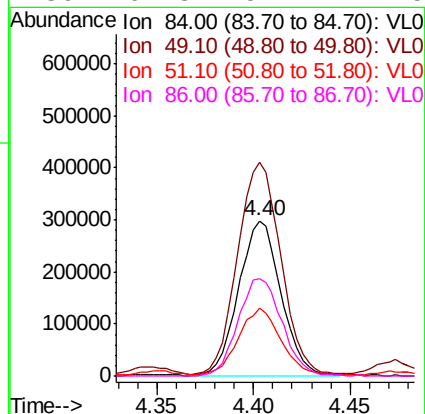
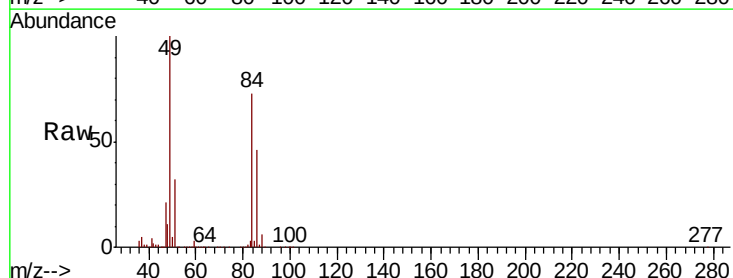
Ion Ratio Lower Upper

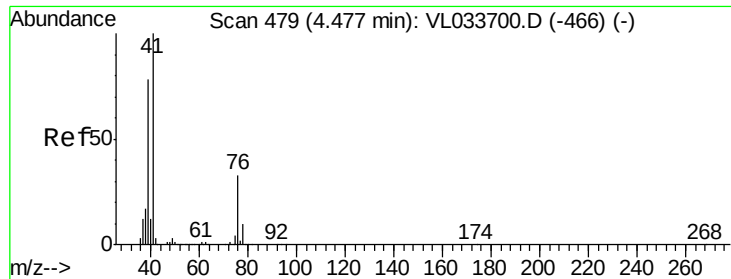
84 100

49 136.5 112.8 169.2

51 42.5 33.4 50.0

86 62.8 51.7 77.5





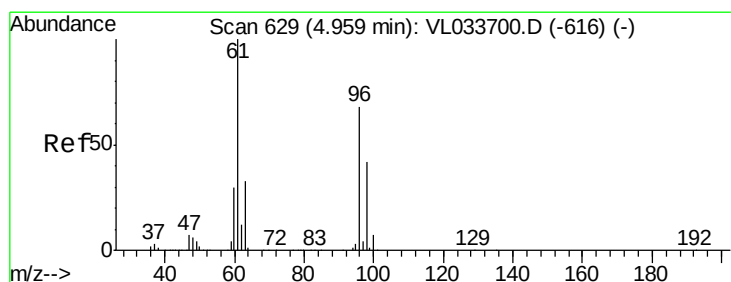
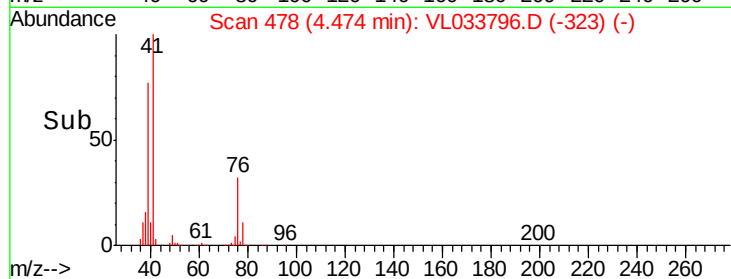
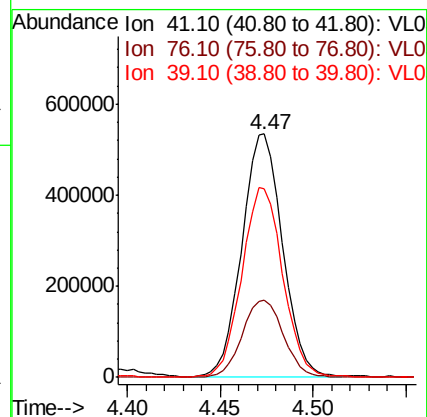
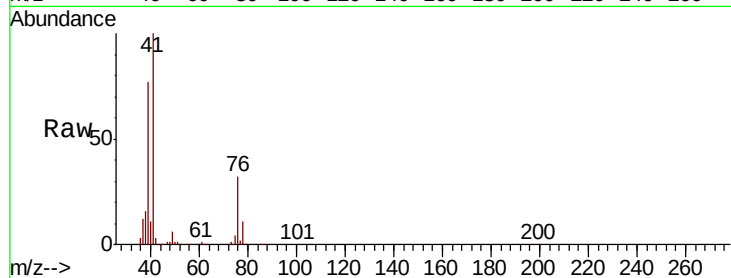
#21
Allvl Chloride
Concen: 11.268 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.3	25.9	38.9
39	78.8	64.6	97.0

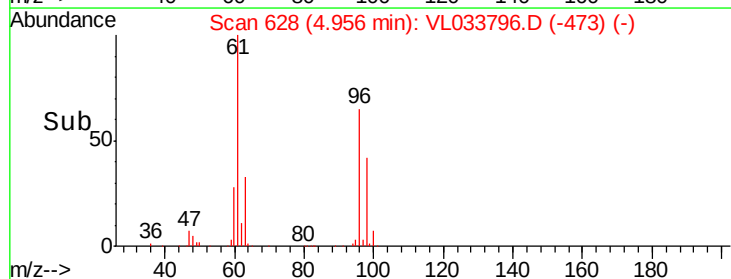
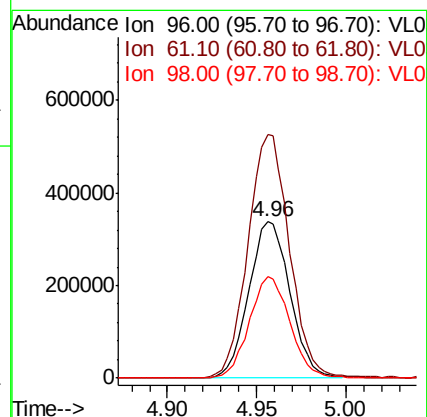
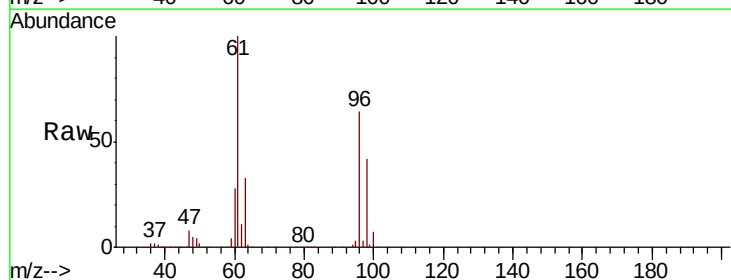
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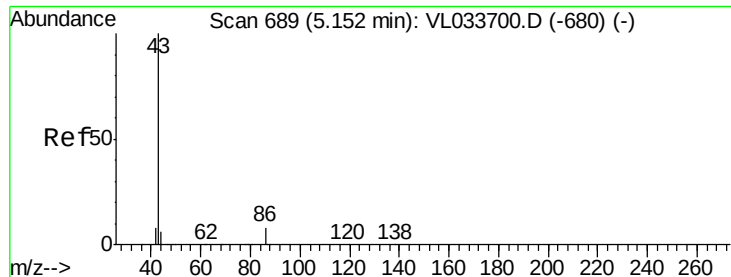
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#22
trans-1,2-Dichloroethene
Concen: 10.829 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	116.8	175.2
98	65.3	49.4	74.0





#23

Vinyl Acetate

Concen: 12.393 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1884149

Ion Ratio Lower Upper

43 100

86 7.9 6.0 9.0

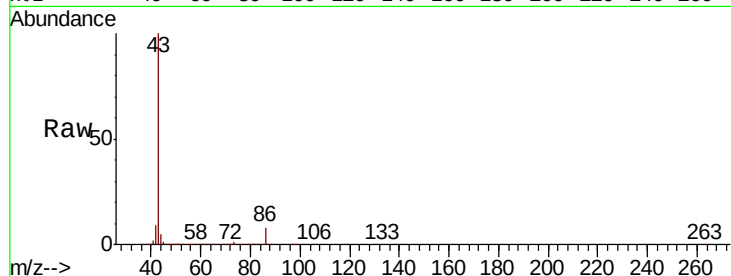
42 9.5 7.5 11.3

44 5.0 4.4 6.6

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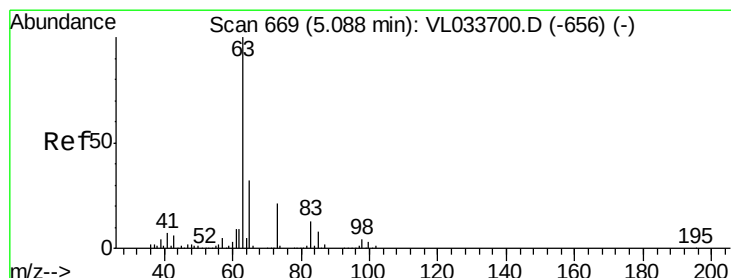
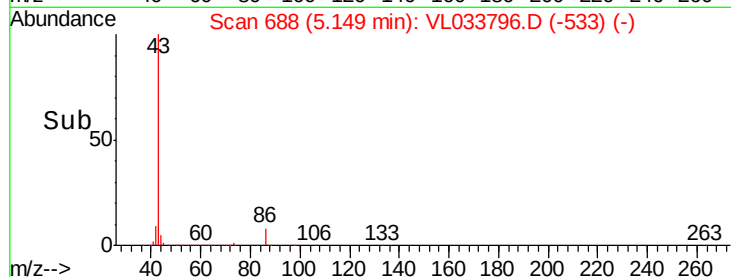
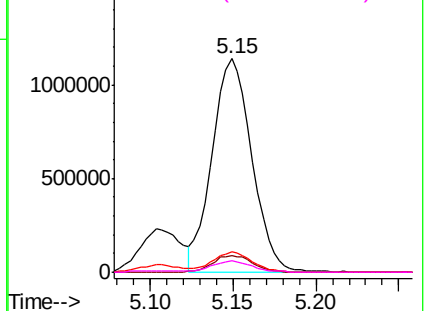


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.113 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

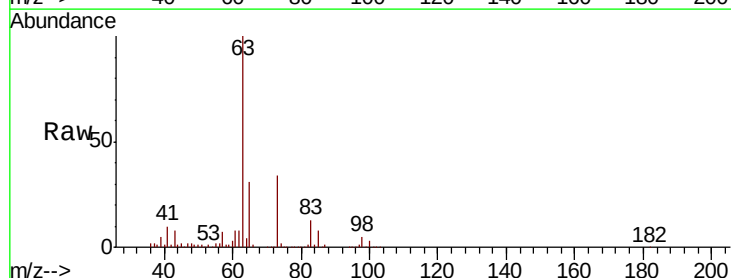
Tgt Ion: 63 Resp: 1284305

Ion Ratio Lower Upper

63 100

98 4.7 1.8 5.5

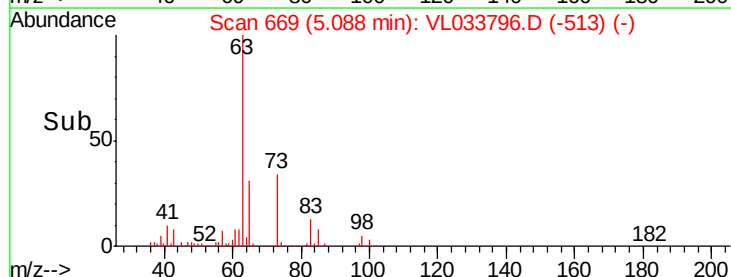
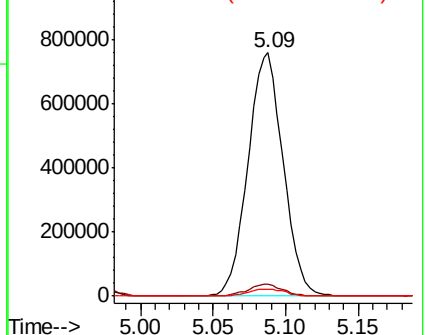
100 2.7 1.4 4.2

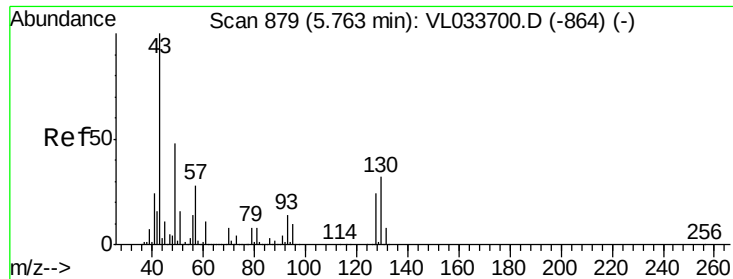


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





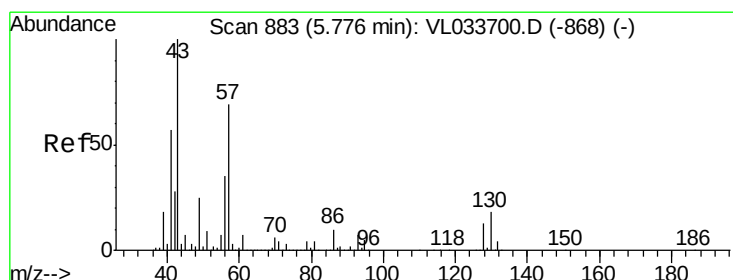
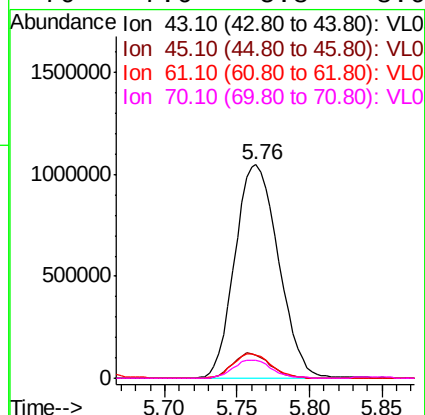
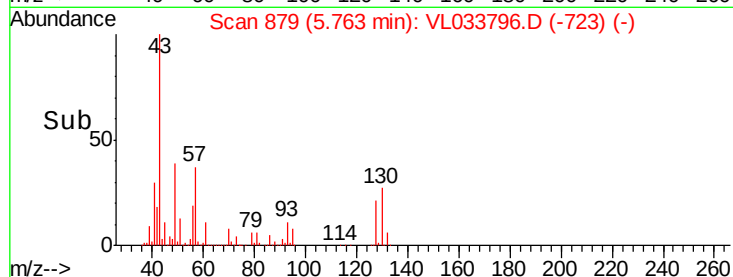
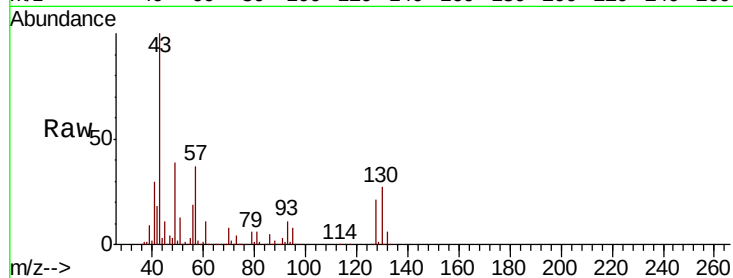
#25
Ethyl Acetate
Concen: 10.784 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	7.9	11.9	
61	10.1	7.7	11.5	
70	7.6	5.8	8.6	

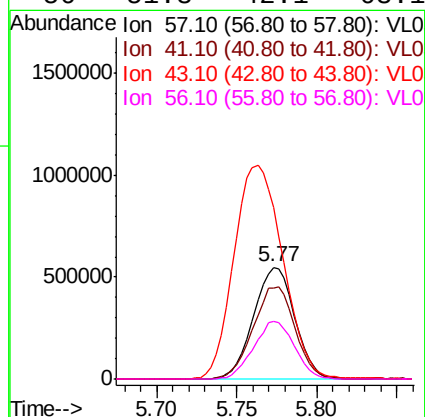
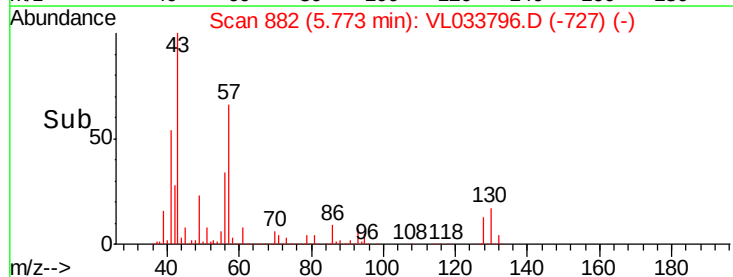
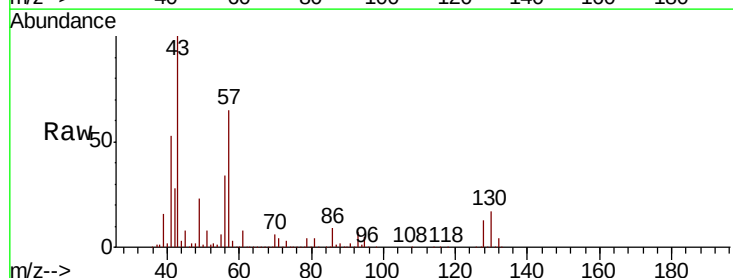
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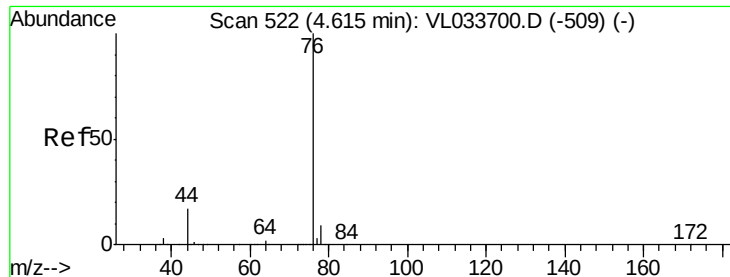
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#26
Hexane
Concen: 11.113 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	84.3	69.8	104.6	
43	227.2	181.8	272.6	
56	51.3	42.1	63.1	





#27

Carbon Disulfide

Concen: 11.297 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1349626

Ion Ratio Lower Upper

76 100

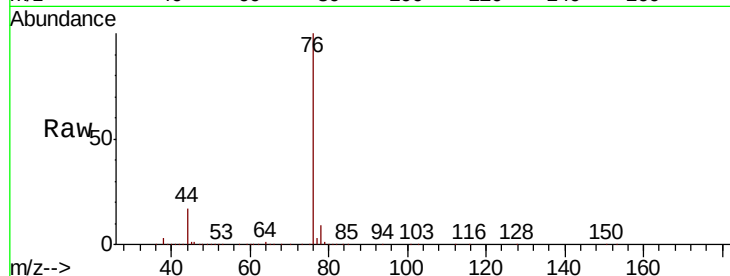
44 17.6 13.8 20.8

78 9.2 7.4 11.0

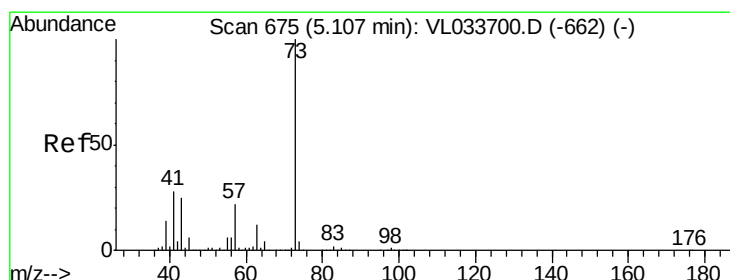
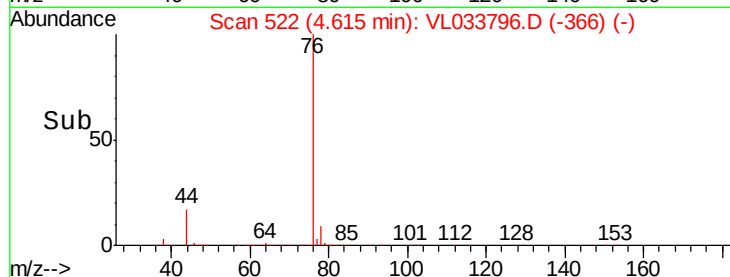
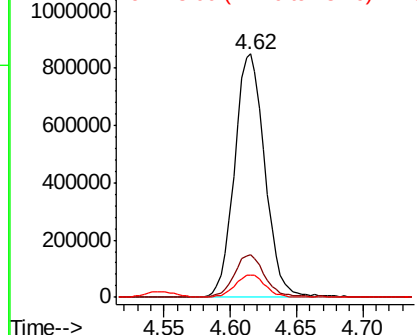
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 12.502 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033796.D

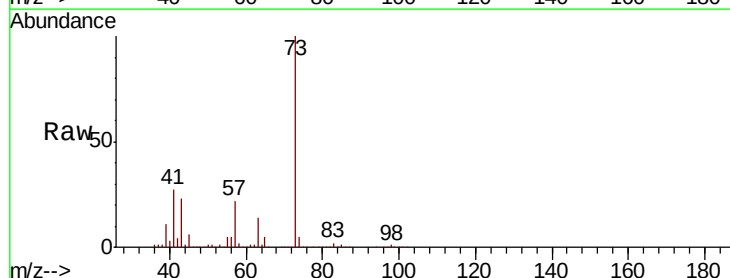
Acq: 24 May 2019 9:28

Tgt Ion: 73 Resp: 1774742

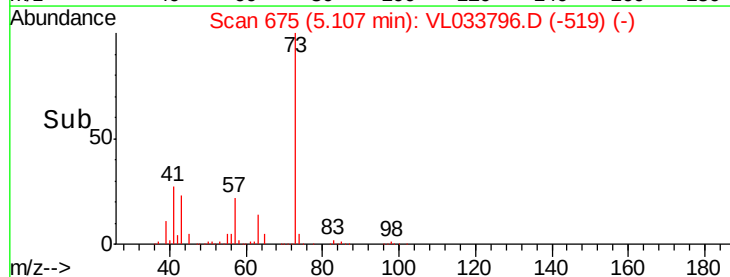
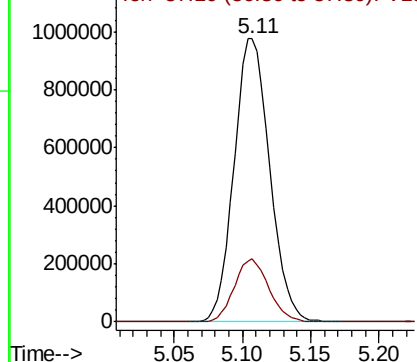
Ion Ratio Lower Upper

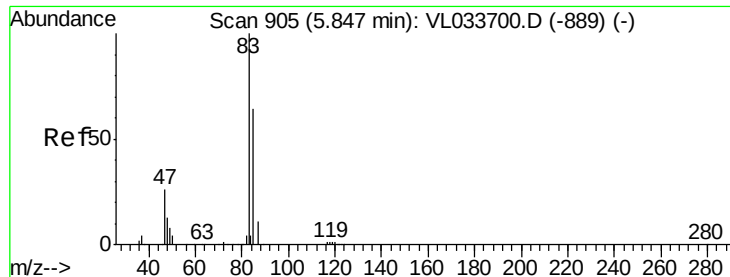
73 100

57 21.8 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





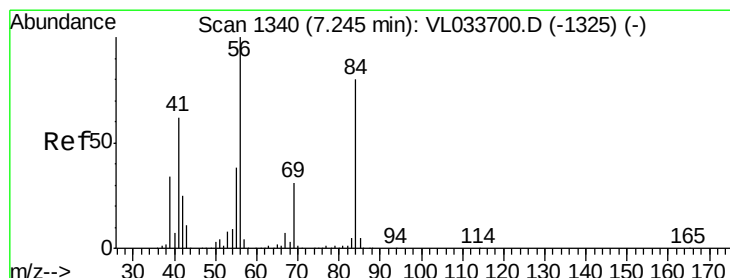
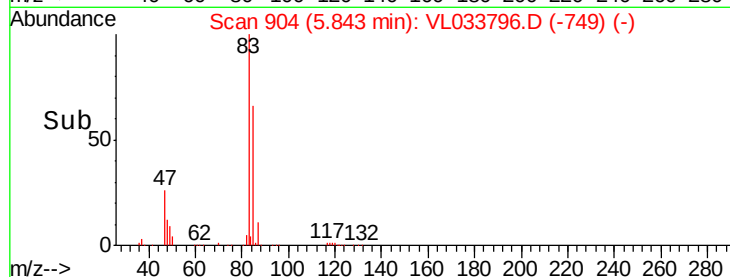
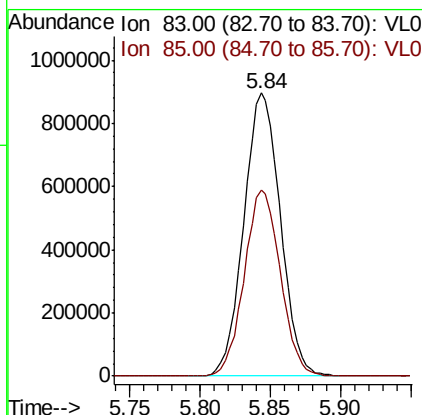
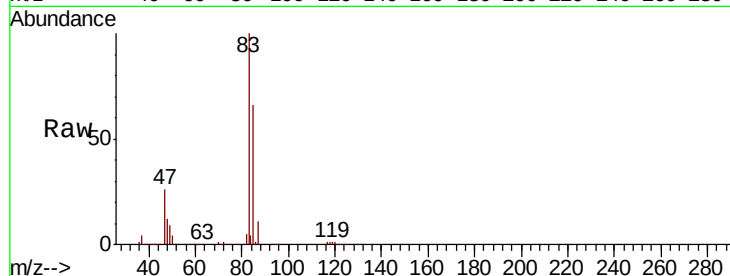
#29
Chloroform
Concen: 10.169 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1631042
Ion Ratio Lower Upper
83 100
85 65.4 51.5 77.3

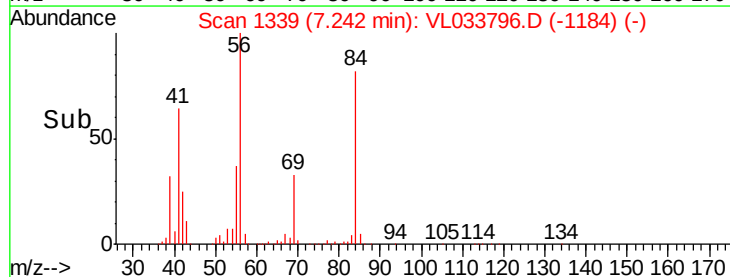
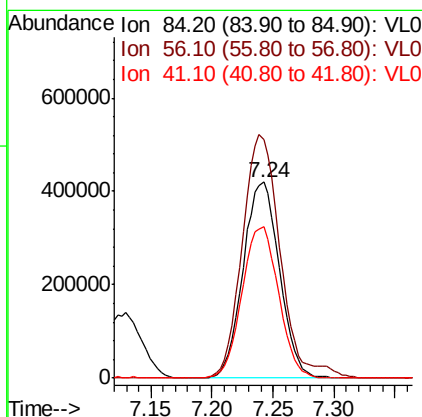
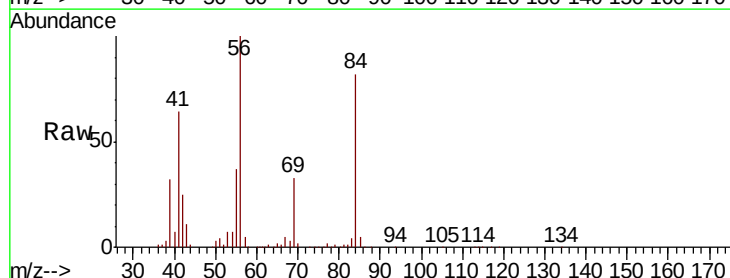
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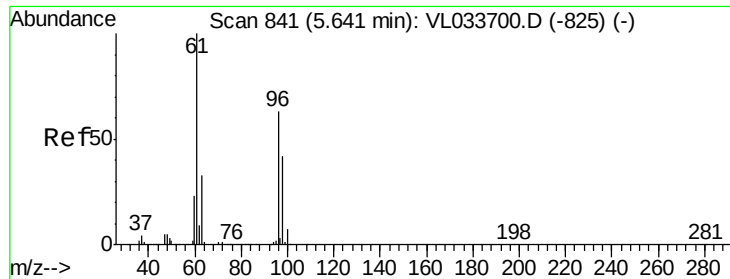
MMDadoda
5/28/2019 2:54:03 AM



#30
Cyclohexane
Concen: 11.780 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion: 84 Resp: 862406
Ion Ratio Lower Upper
84 100
56 129.9 107.7 161.5
41 77.9 66.0 99.0





#31

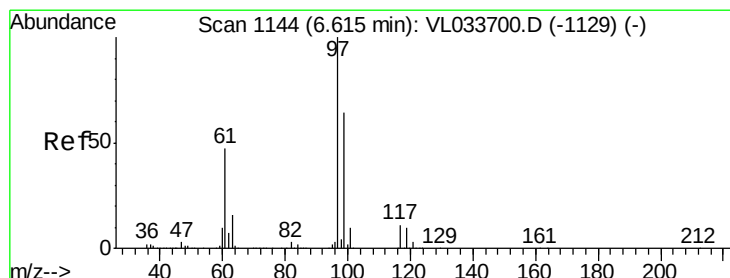
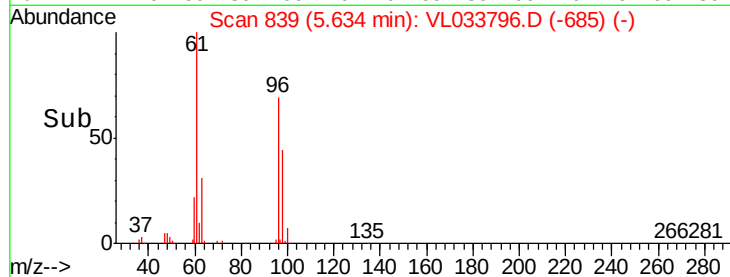
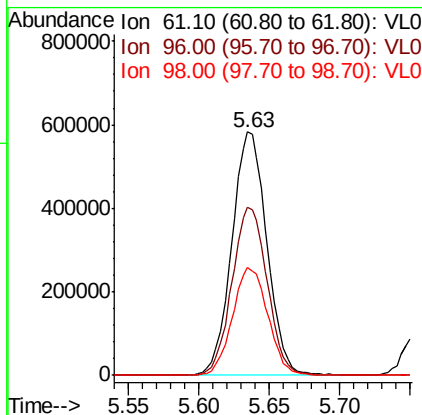
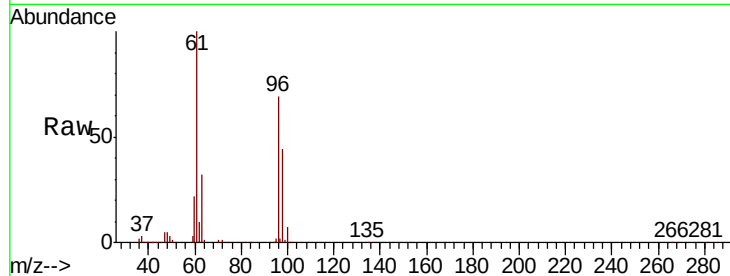
cis-1,2-Dichloroethene
 Concen: 11.750 ppbv
 RT: 5.63 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.2	50.8	76.2
98	44.1	33.3	49.9

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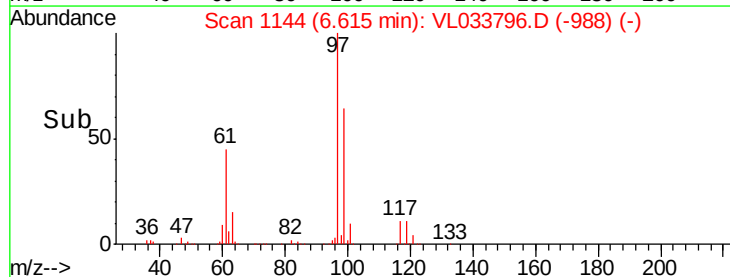
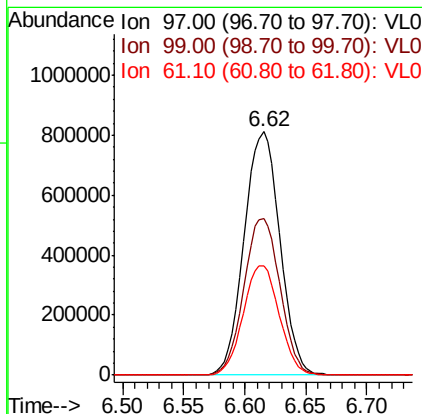
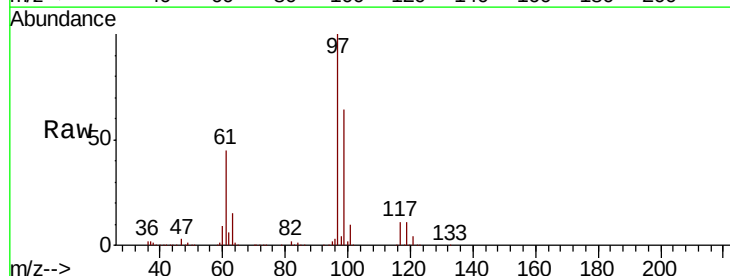
MMDadoda
 5/28/2019 2:54:03 AM

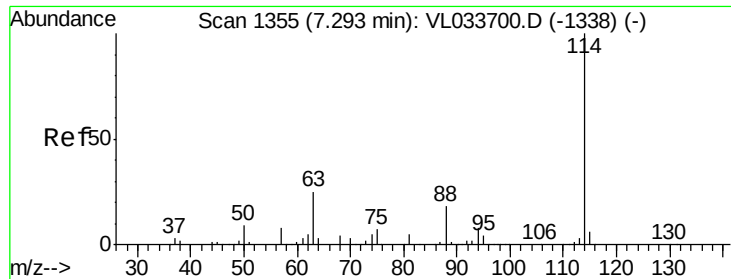


#32

1,1,1-Trichloroethane
 Concen: 10.245 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.5	77.3
61	45.5	37.8	56.8





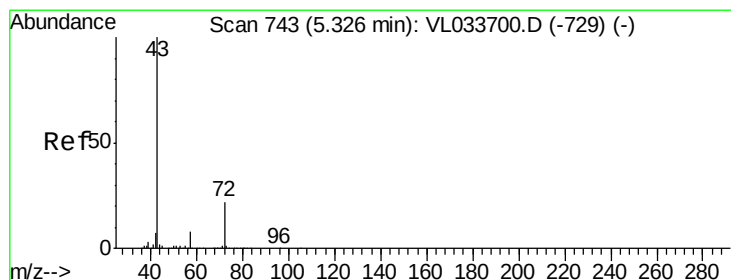
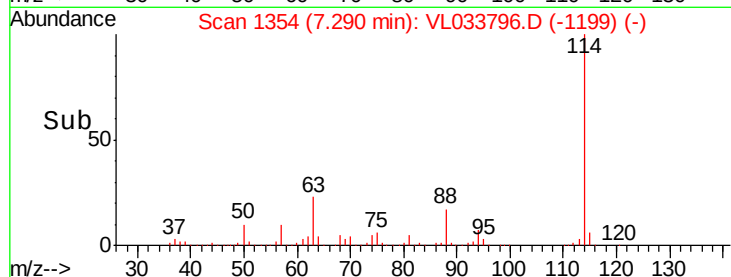
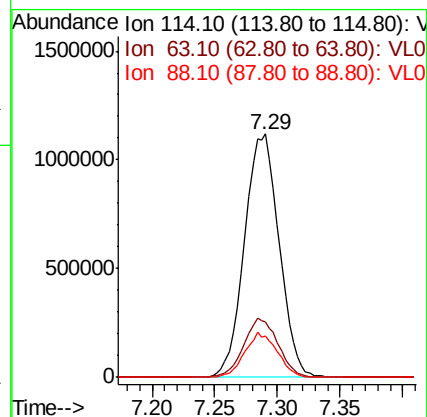
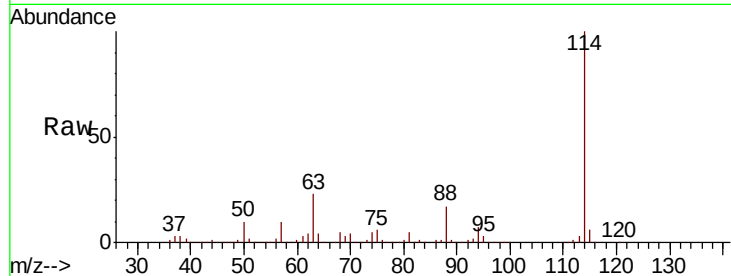
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	20.9	31.3
88	17.3	14.3	21.5

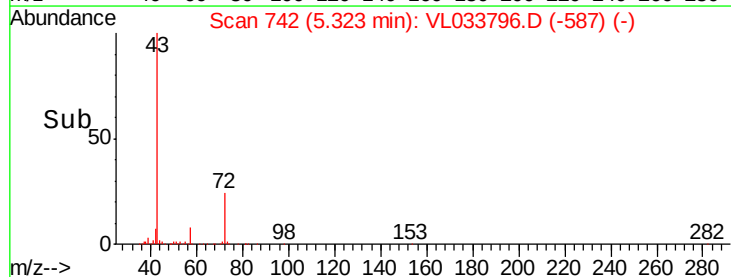
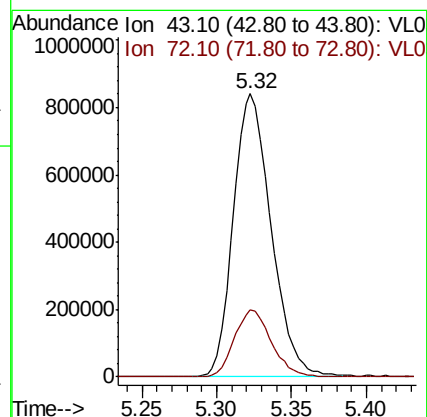
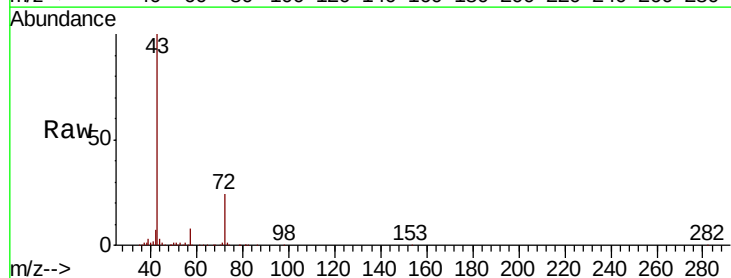
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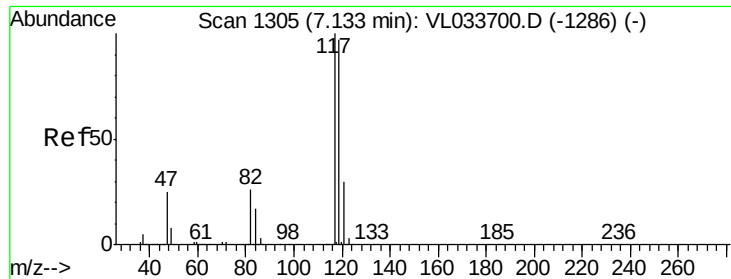
MMDadoda
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#34
 2-Butanone
 Concen: 11.032 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.5	17.8	26.6





#35

Carbon Tetrachloride

Concen: 9.944 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1715206

Ion Ratio Lower Upper

117 100

119 96.0 77.2 115.8

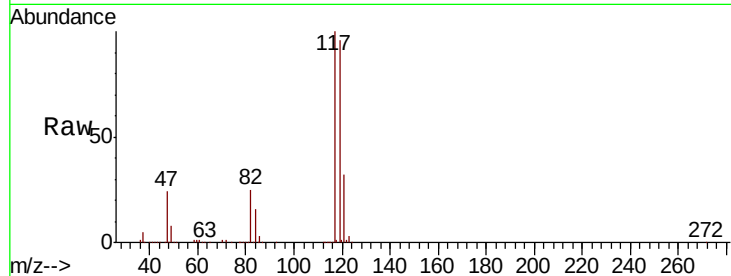
121 32.0 24.1 36.1

Manual Integrations

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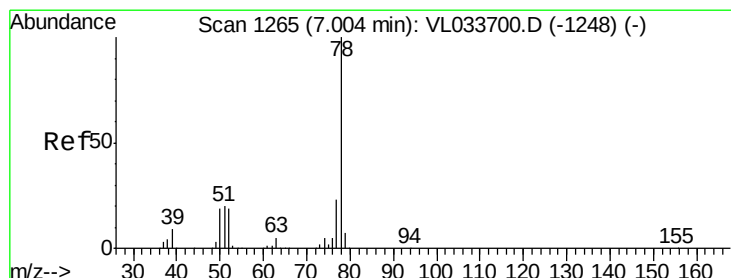
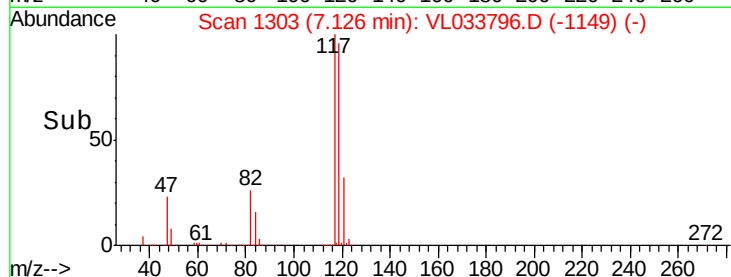
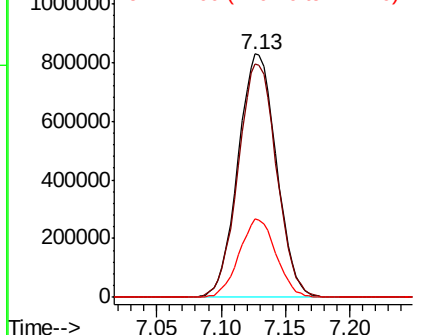
5/28/2019 2:54:03 AM



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: 10.837 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

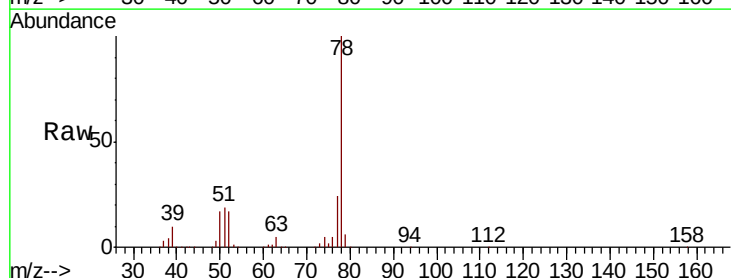
Tgt Ion: 78 Resp: 2122788

Ion Ratio Lower Upper

78 100

77 23.5 18.4 27.6

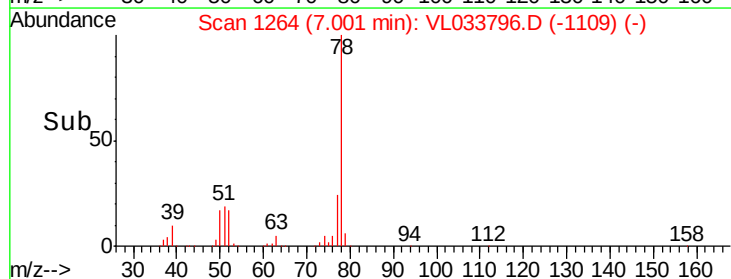
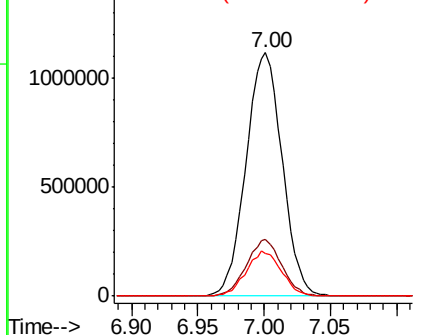
50 17.5 15.5 23.3

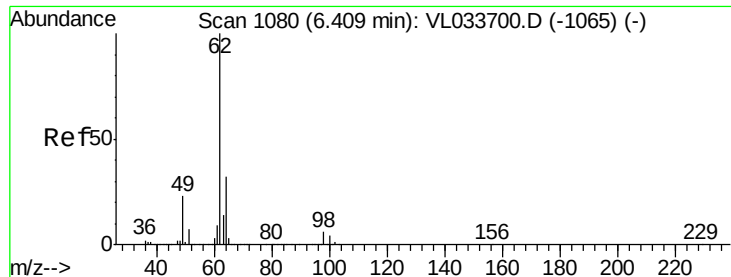


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





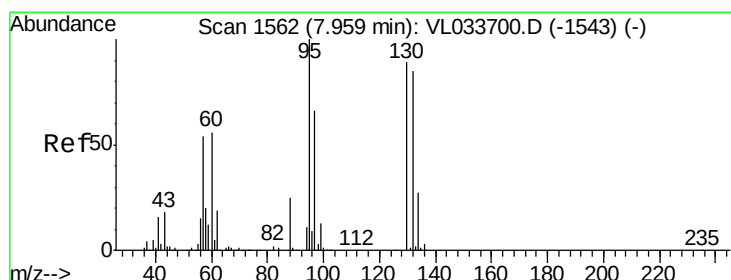
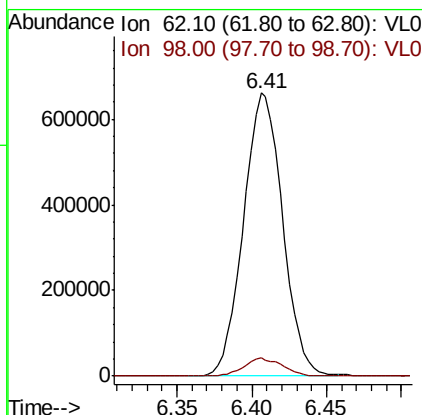
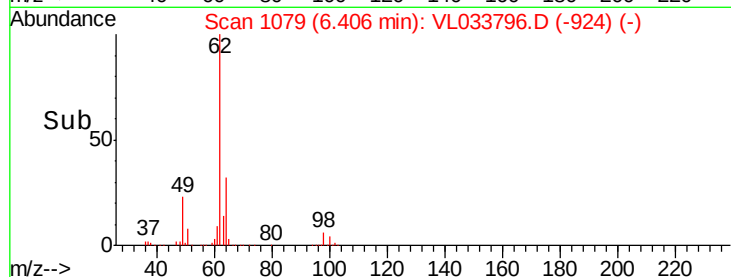
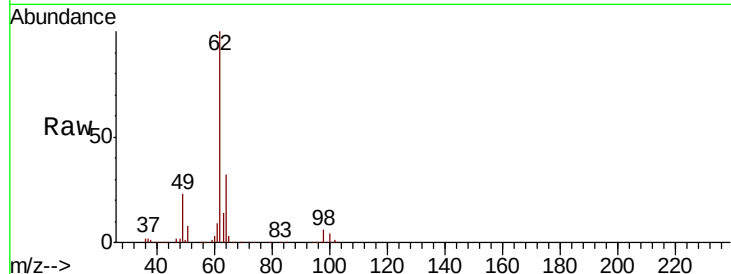
#37
1,2-Dichloroethane
Concen: 9.528 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1203882
Ion Ratio Lower Upper
62 100
98 6.3 4.5 6.7

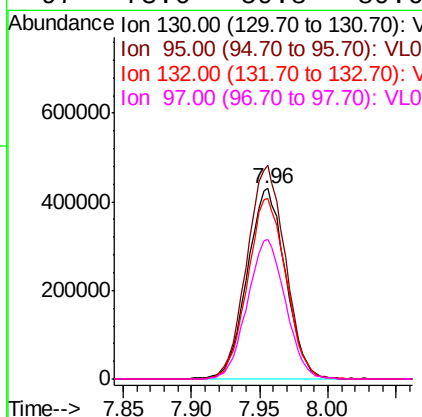
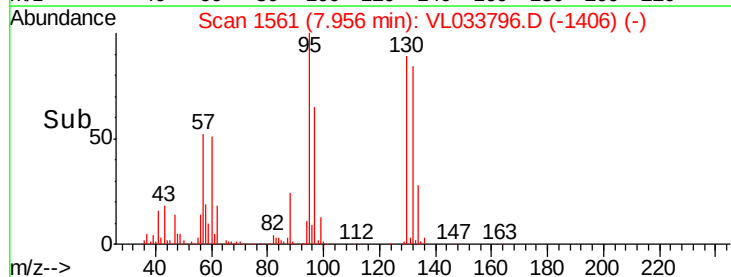
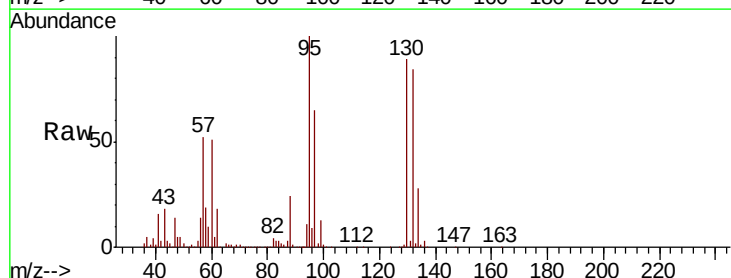
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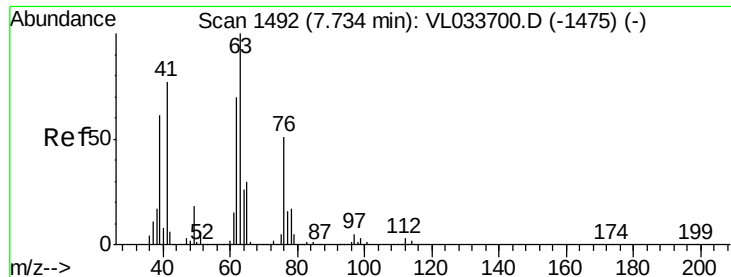
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#38
Trichloroethene
Concen: 11.459 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion:130 Resp: 832846
Ion Ratio Lower Upper
130 100
95 112.6 90.2 135.4
132 94.9 76.4 114.6
97 73.6 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.846 ppbv

RT: 7.73 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

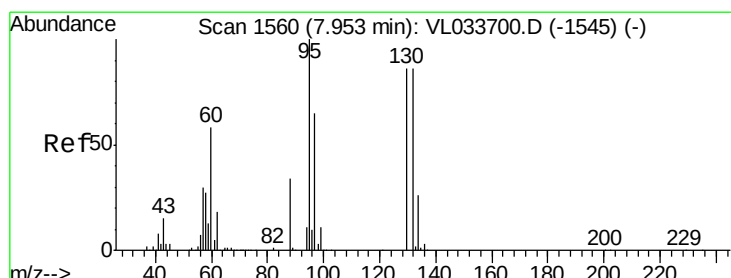
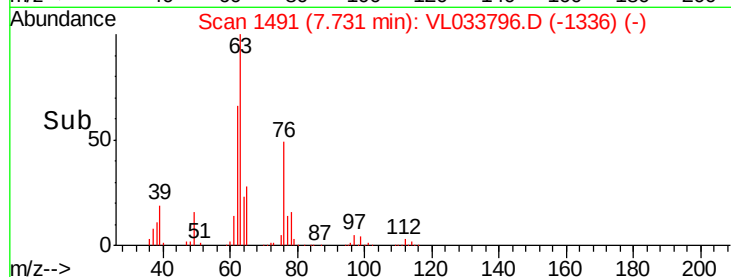
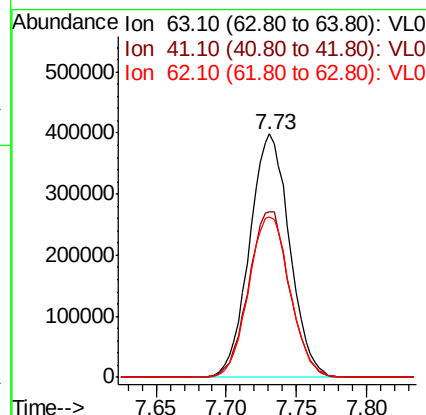
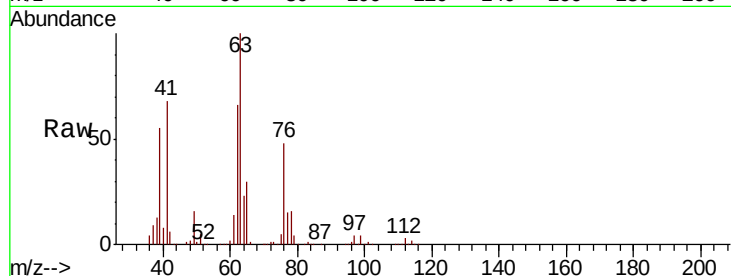
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	792037
Ion	Ratio	Lower	Upper
63	100		
41	67.7	61.5	92.3
62	66.0	56.2	84.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 11.028 ppbv

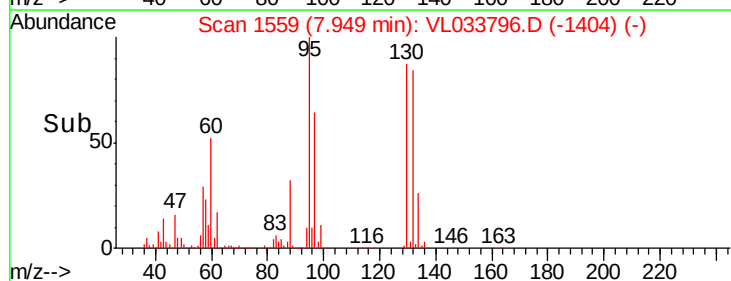
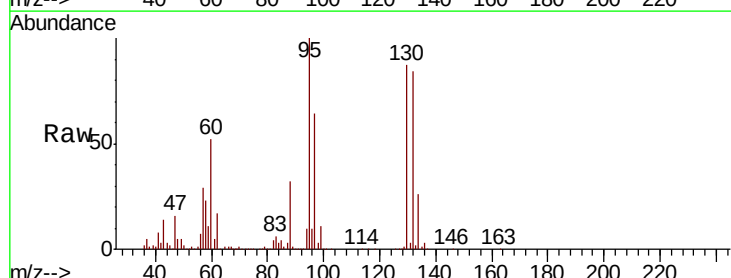
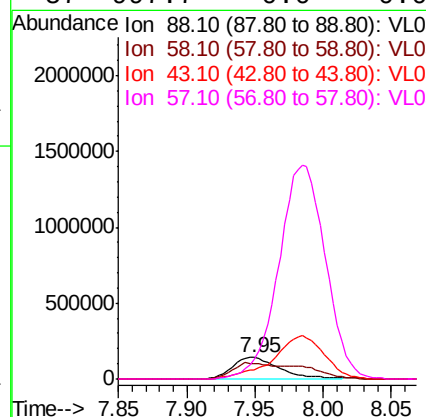
RT: 7.95 min Scan# 1559

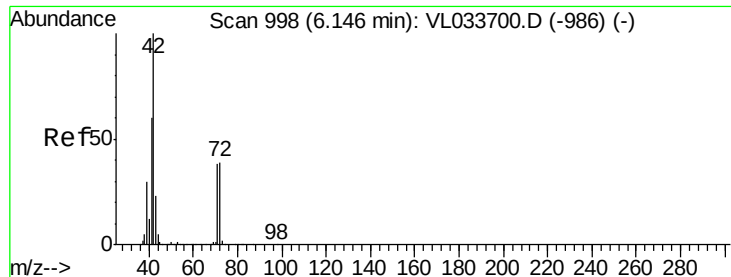
Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion:	88	Resp:	336899
Ion	Ratio	Lower	Upper
88	100		
58	118.8	101.8	152.6
43	219.2	0.0	0.0#
57	997.7	0.0	0.0#





#41

Tetrahydrofuran

Concen: 11.371 ppbv

RT: 6.14 min Scan# 996

Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

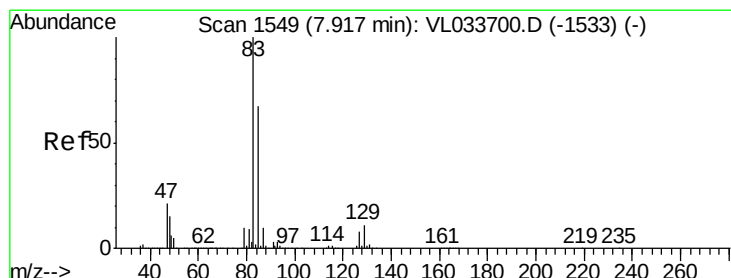
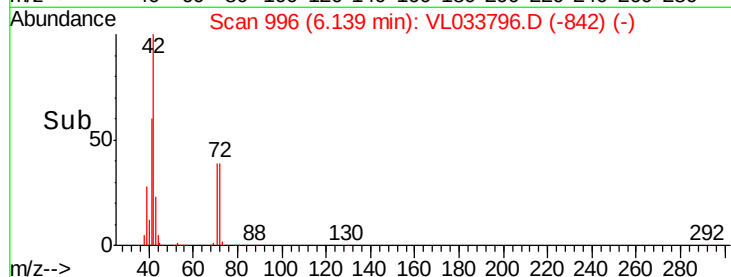
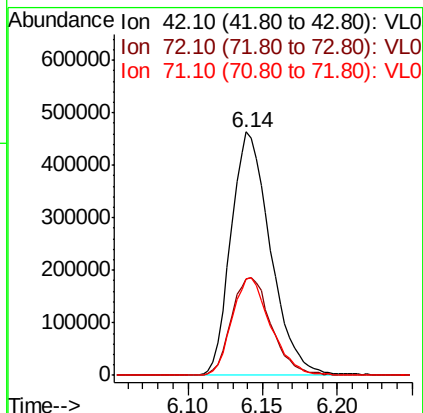
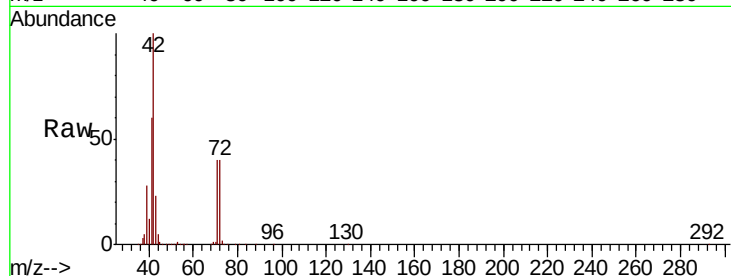
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	850359
Ion Ratio		Lower	Upper
42	100		
72	40.8	32.0	48.0
71	39.6	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.140 ppbv

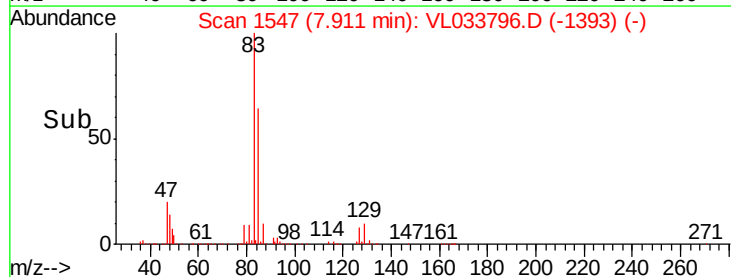
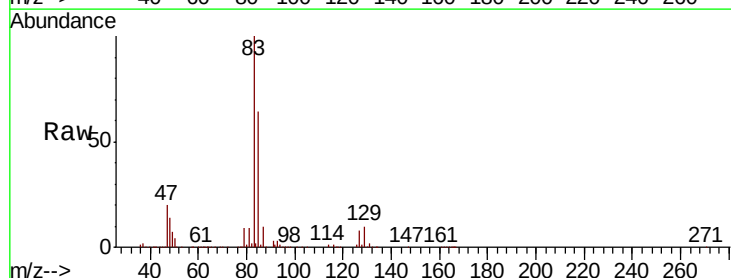
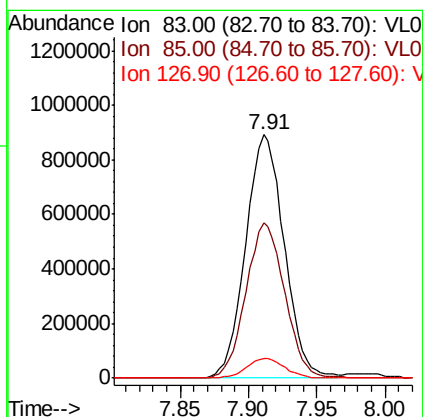
RT: 7.91 min Scan# 1547

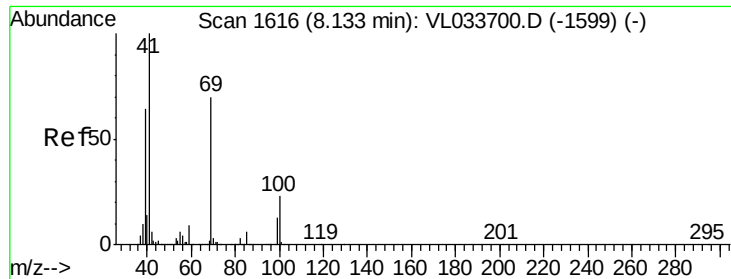
Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion:	83	Resp:	1753970
Ion Ratio		Lower	Upper
83	100		
85	64.0	53.3	79.9
127	7.9	6.5	9.7





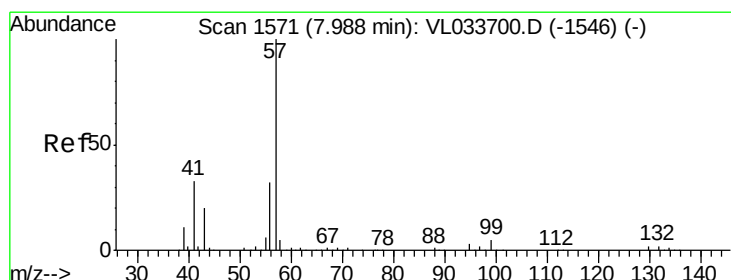
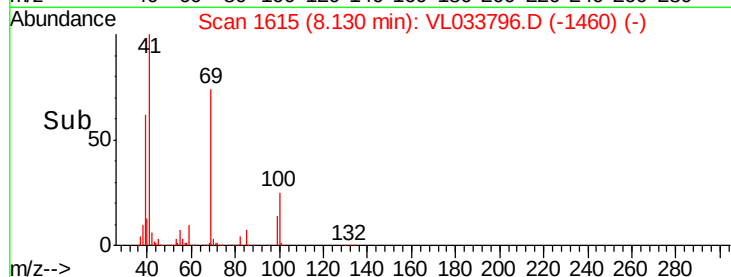
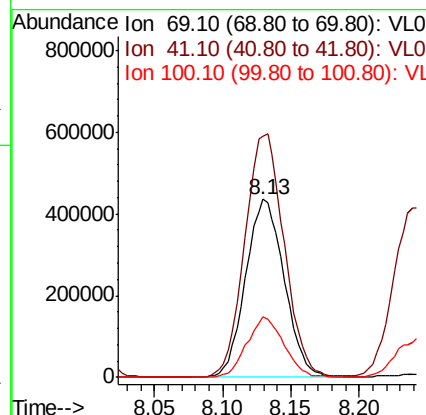
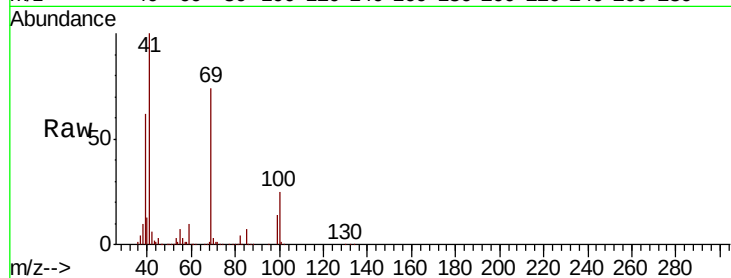
#43
Methyl Methacrylate
Concen: 11.869 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	139.4	116.3	174.5
100	32.6	25.3	37.9

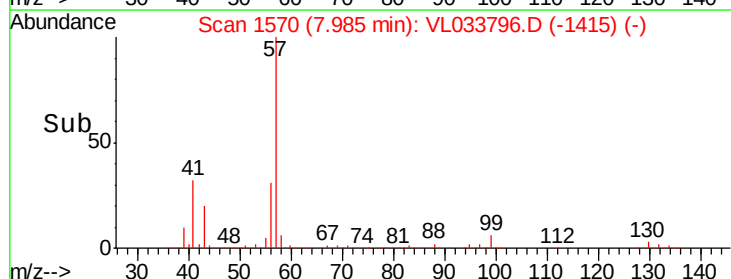
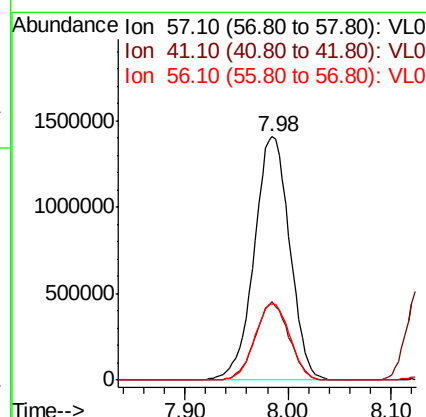
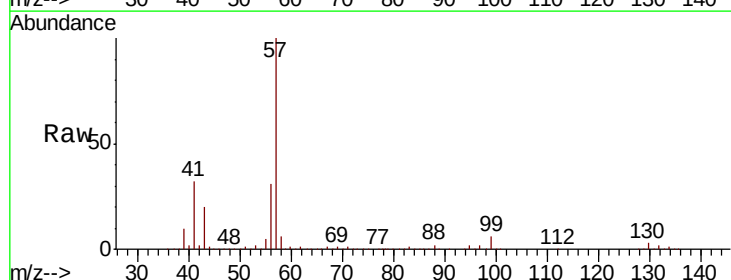
Manual Integrations
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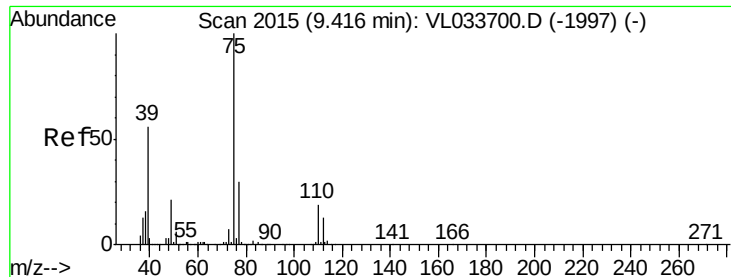
MMDadoda
5/28/2019 2:54:03 AM



#44
2,2,4-Trimethylpentane
Concen: 10.140 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.8	25.4	38.0
56	31.0	24.7	37.1





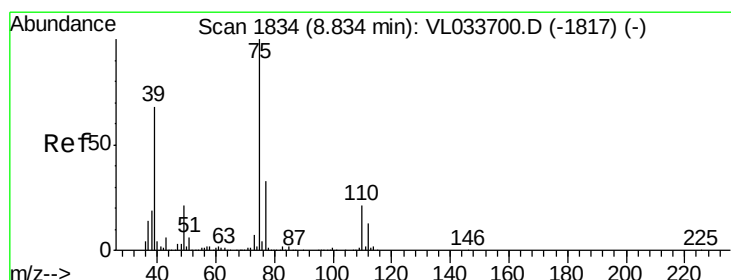
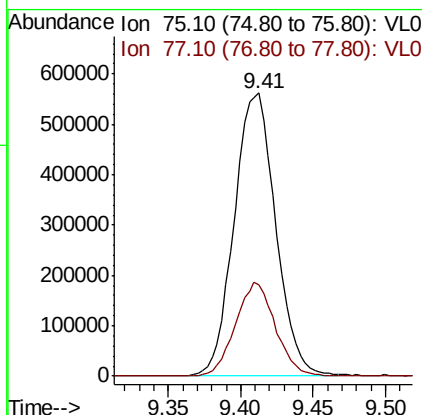
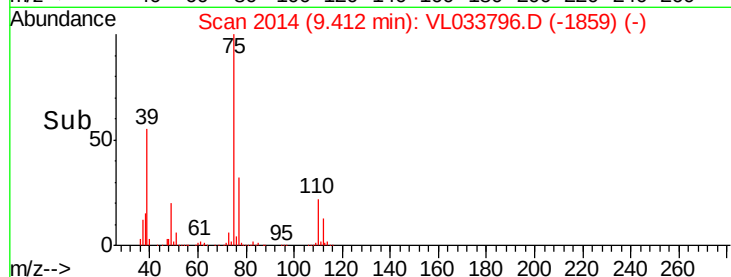
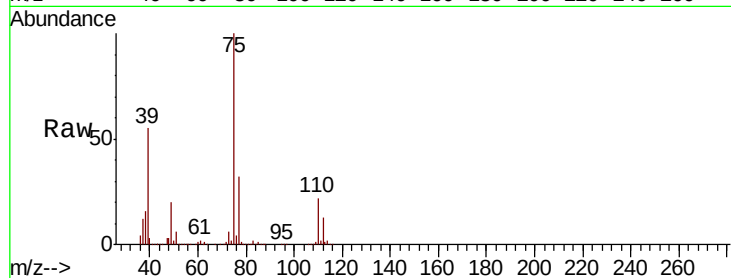
#45
t-1,3-Dichloropropene
Concen: 12.261 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1120450
Ion Ratio Lower Upper
75 100
77 32.3 24.4 36.6

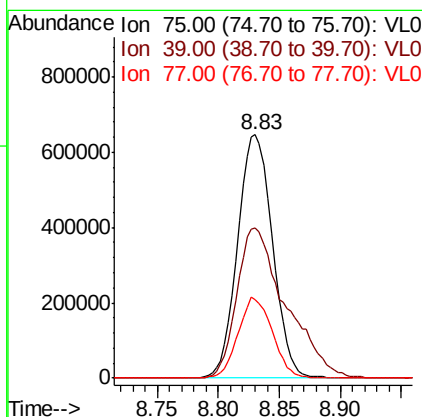
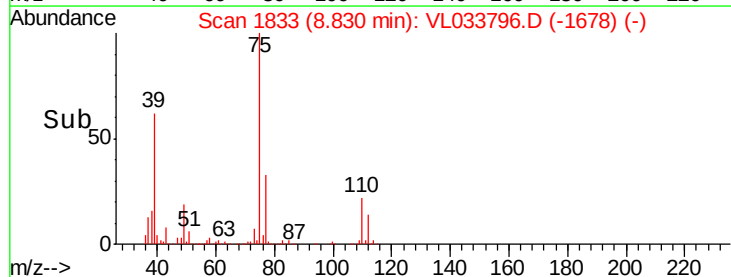
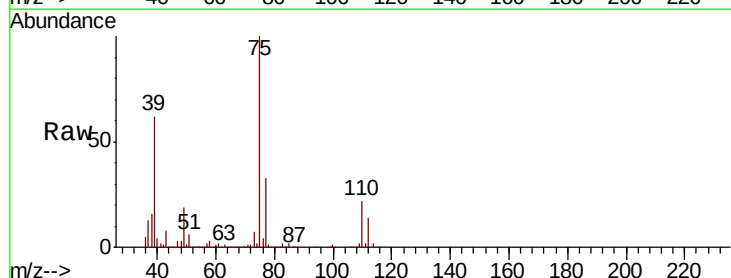
Manual Integrations
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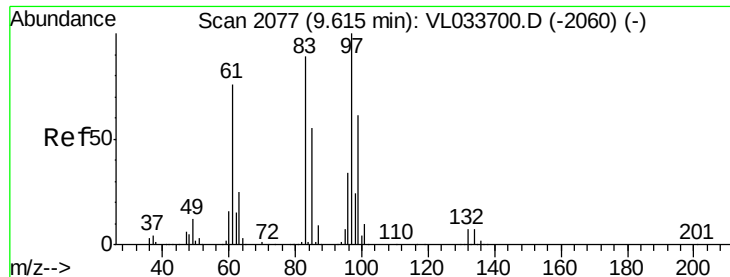
MMDadoda
5/28/2019 2:54:03 AM



#46
cis-1,3-Dichloropropene
Concen: 11.947 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion: 75 Resp: 1278413
Ion Ratio Lower Upper
75 100
39 61.5 54.4 81.6
77 32.5 26.6 39.8





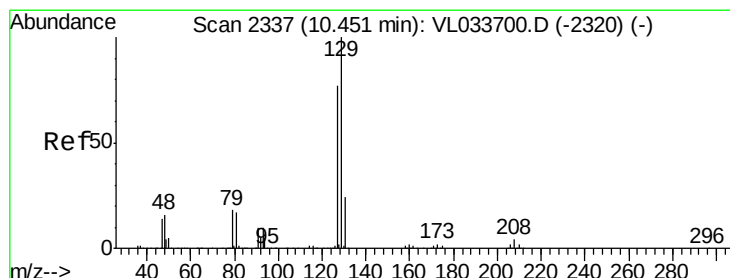
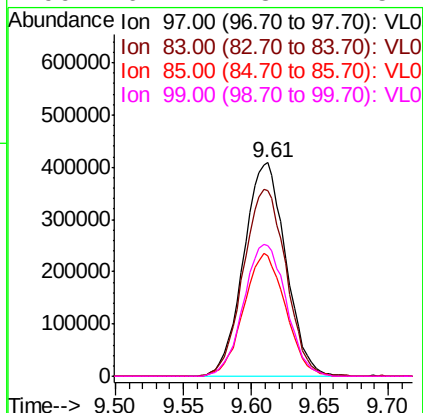
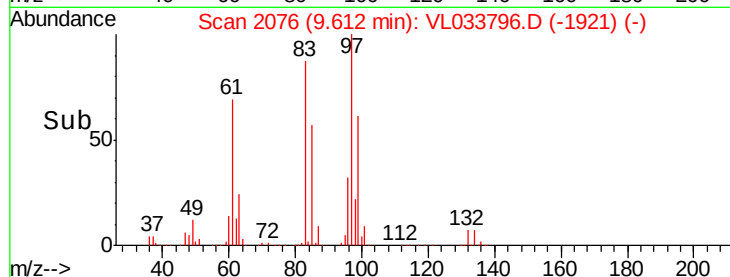
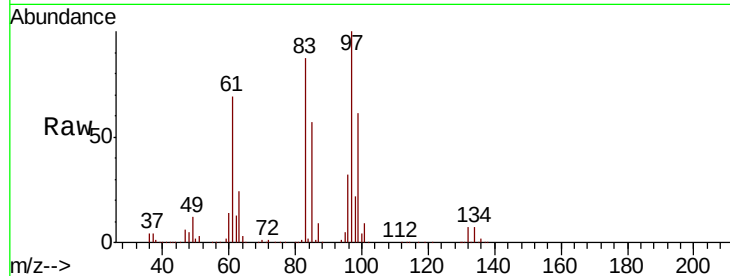
#47
 1,1,2-Trichloroethane
 Concen: 10.547 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.0	70.8	106.2	
85	56.4	43.7	65.5	
99	61.2	48.7	73.1	

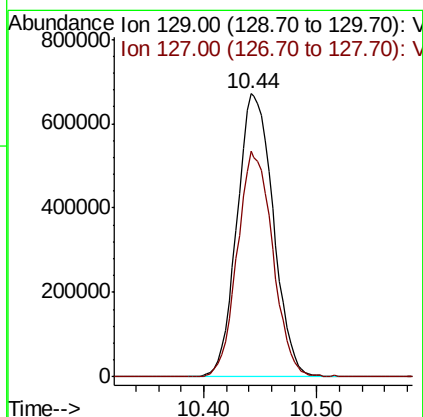
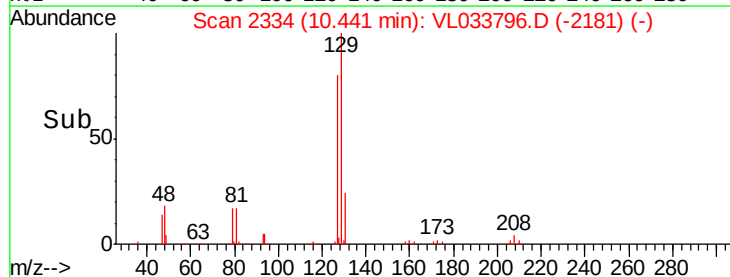
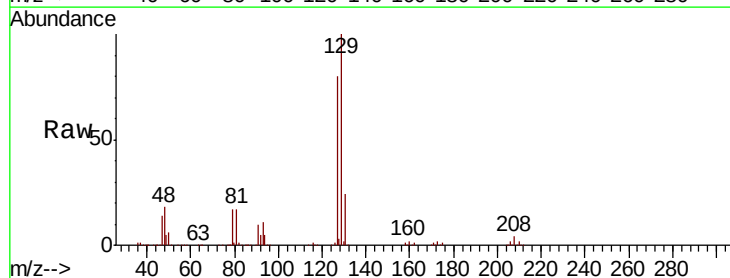
Manual Integrations
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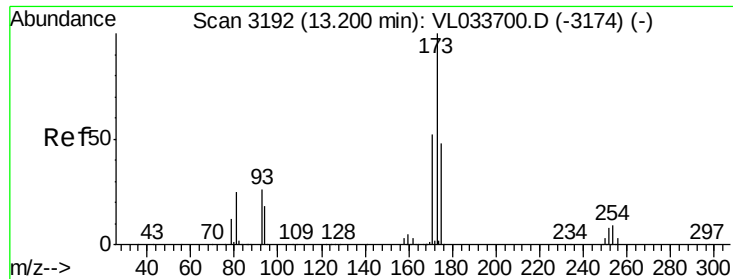
MMDadoda
 5/28/2019 2:54:03 AM



#48
 Dibromochloromethane
 Concen: 10.400 ppbv
 RT: 10.44 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.9	38.6	116.0	





#49

Bromoform

Concen: 11.554 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1397438

Ion Ratio Lower Upper

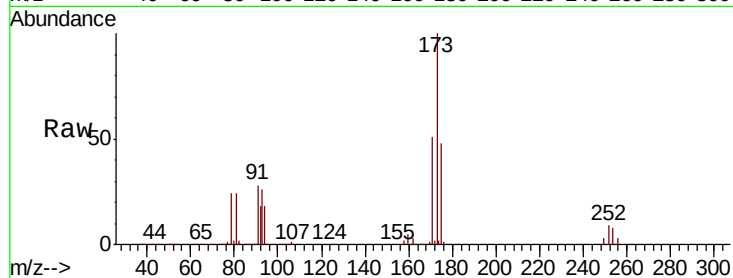
173 100

175 48.6 38.6 58.0

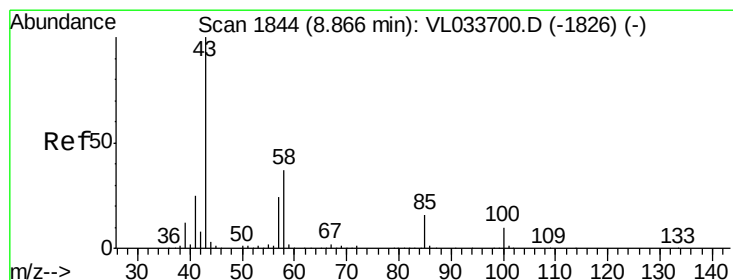
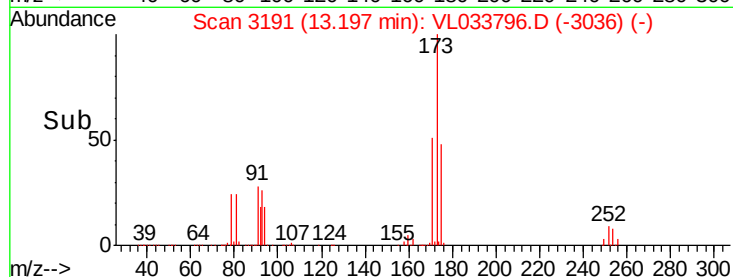
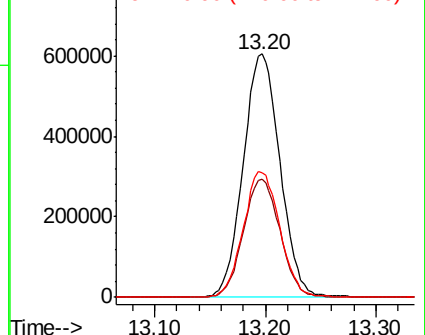
171 51.7 41.5 62.3

Manual Integrations
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5/28/2019 2:54:03 AM



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



#50

4-Methyl-2-Pentanone

Concen: 10.719 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL033796.D

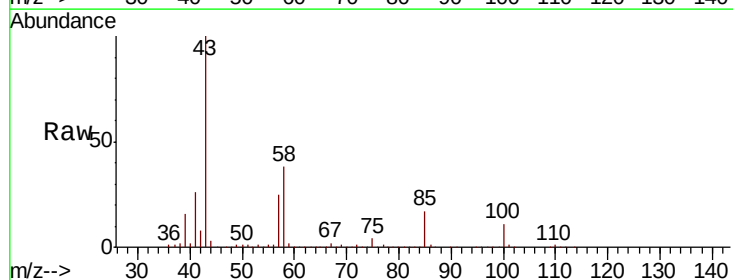
Acq: 24 May 2019 9:28

Tgt Ion: 43 Resp: 2200535

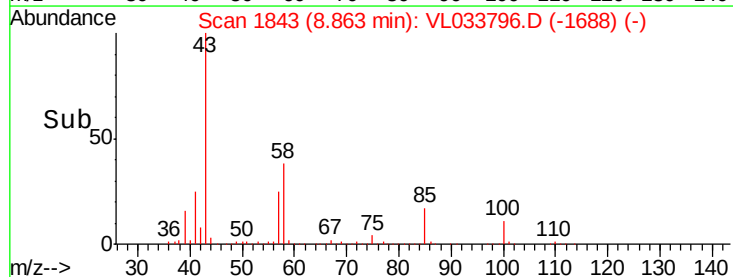
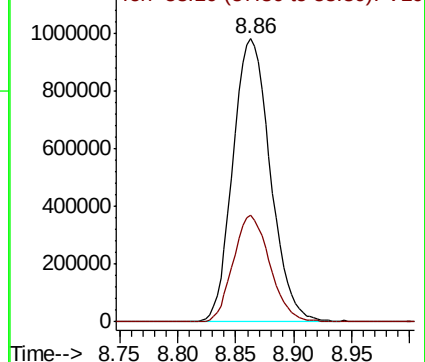
Ion Ratio Lower Upper

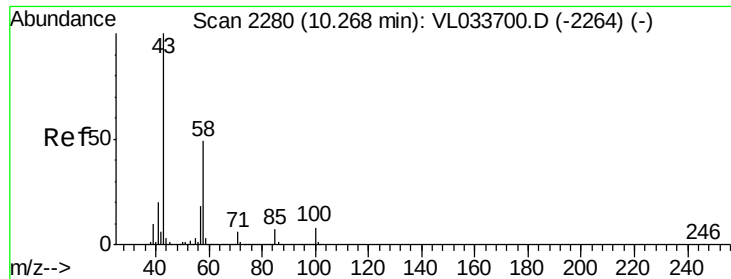
43 100

58 36.8 28.6 43.0



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





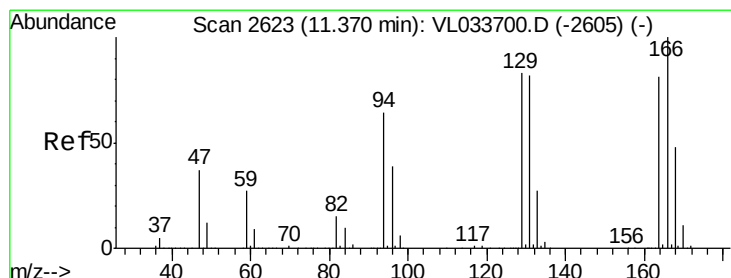
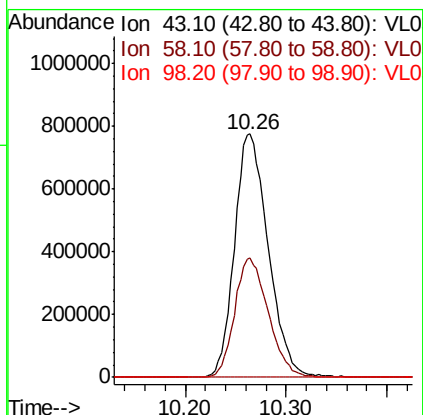
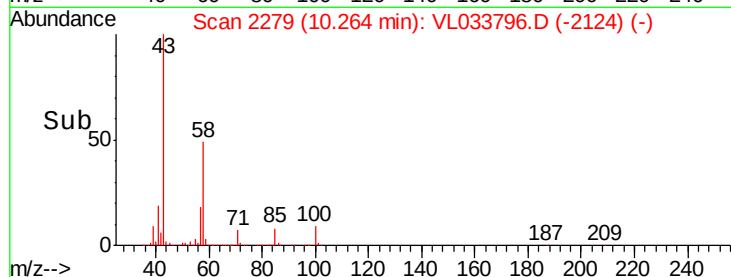
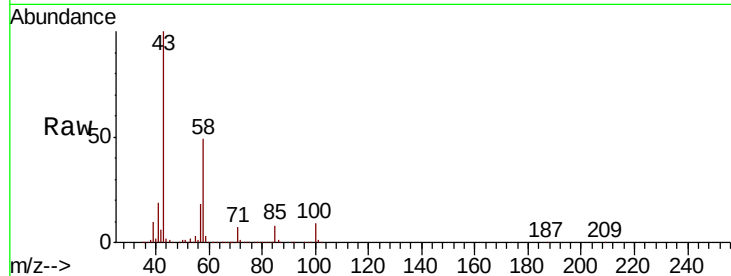
#51
2-Hexanone
Concen: 11.224 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	38.7	58.1
98	0.1	0.2	0.4#

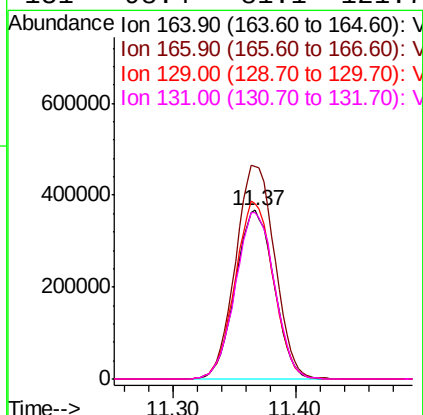
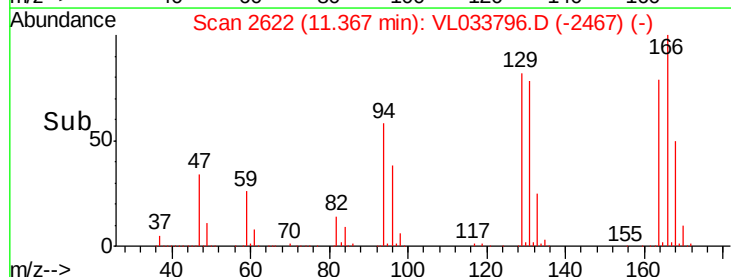
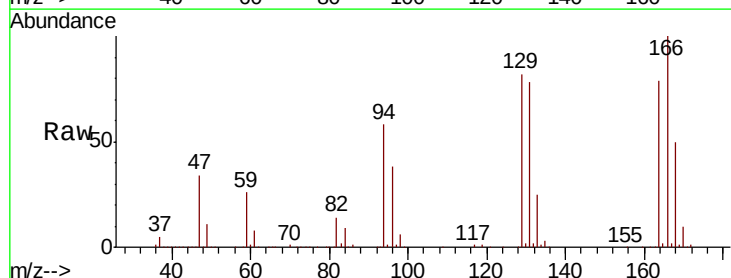
Manual Integrations
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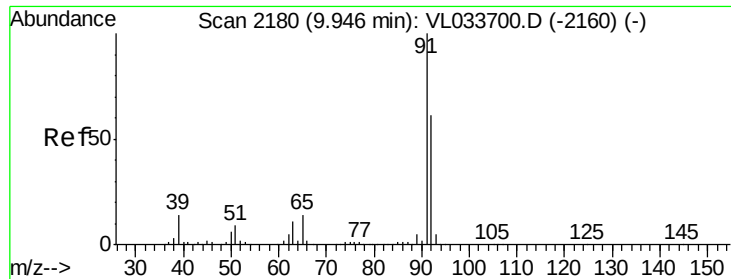
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#52
Tetrachloroethene
Concen: 11.661 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	98.9	148.3
129	103.9	81.8	122.6
131	98.4	81.1	121.7





#53

Toluene

Concen: 11.594 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2449379

Ion Ratio Lower Upper

91 100

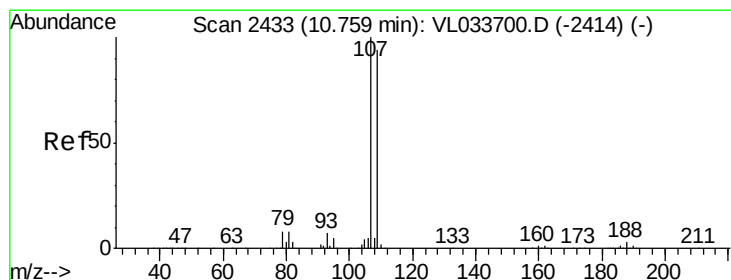
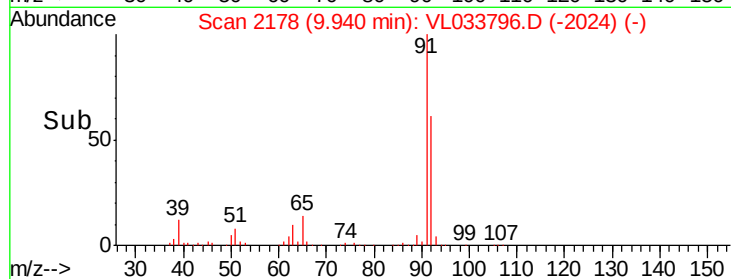
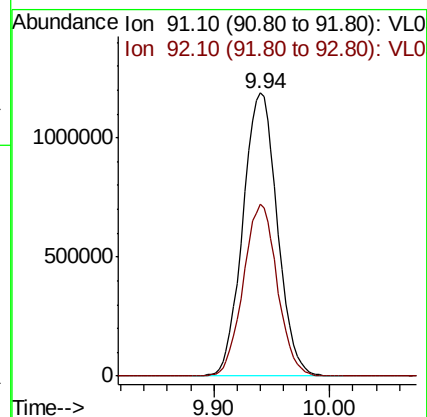
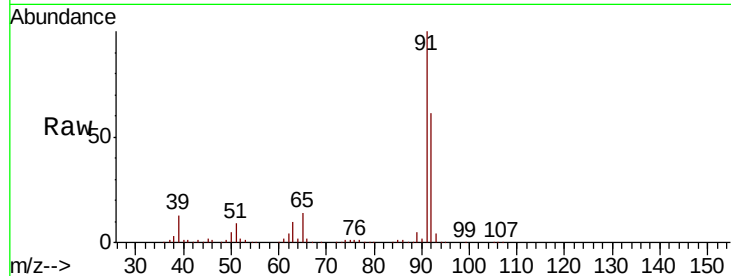
92 59.9 47.6 71.4

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.974 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033796.D

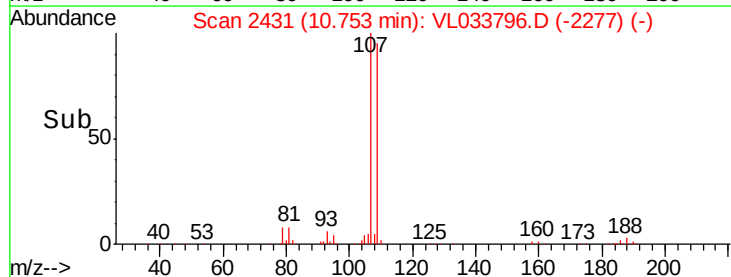
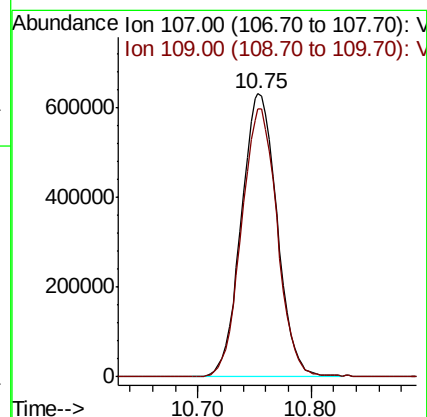
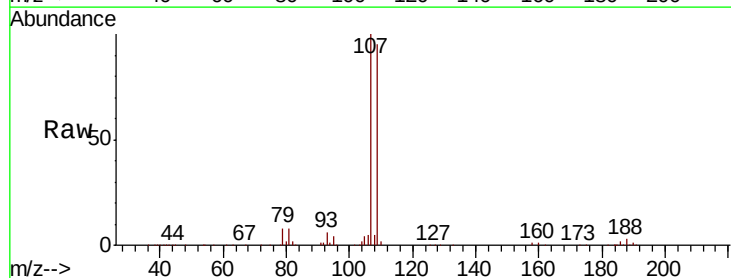
Acq: 24 May 2019 9:28

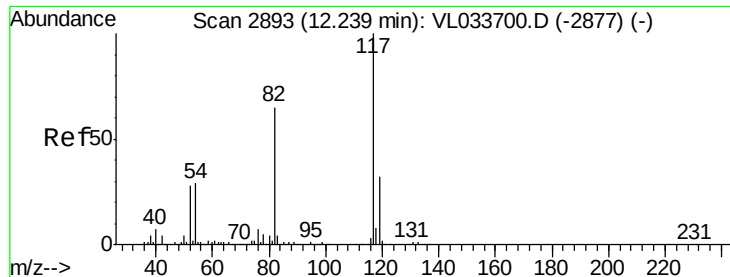
Tgt Ion: 107 Resp: 1389399

Ion Ratio Lower Upper

107 100

109 94.9 75.2 112.8





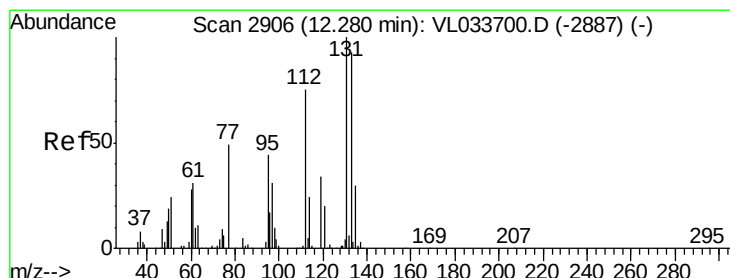
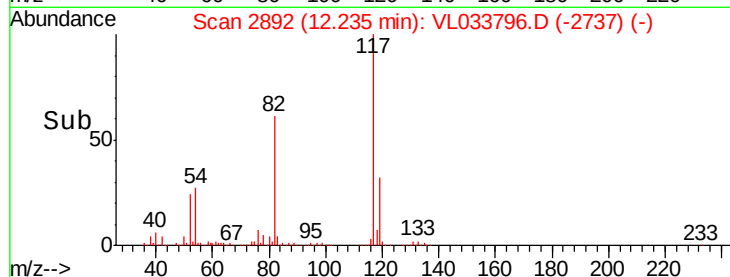
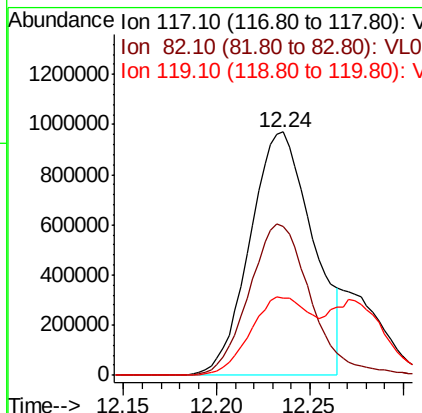
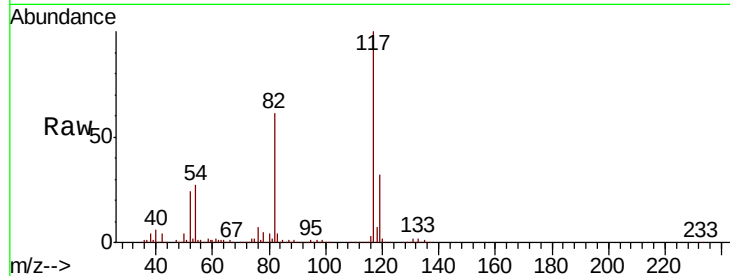
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2272709
Ion Ratio Lower Upper
117 100
82 61.5 49.4 74.0
119 31.2 24.9 37.3

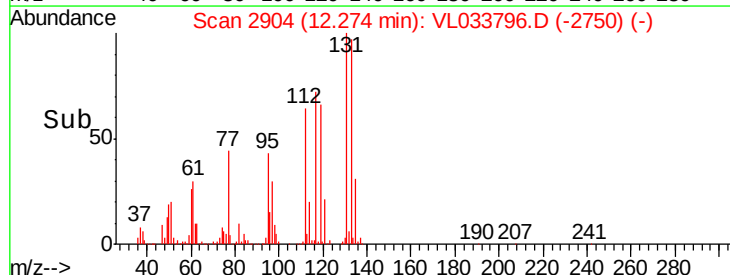
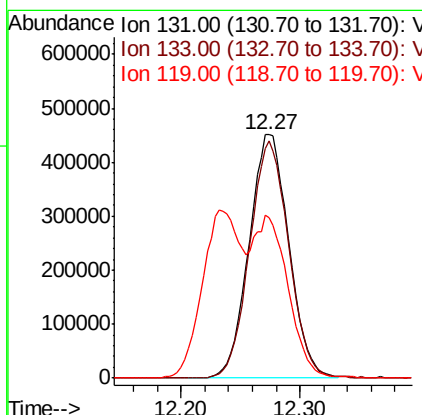
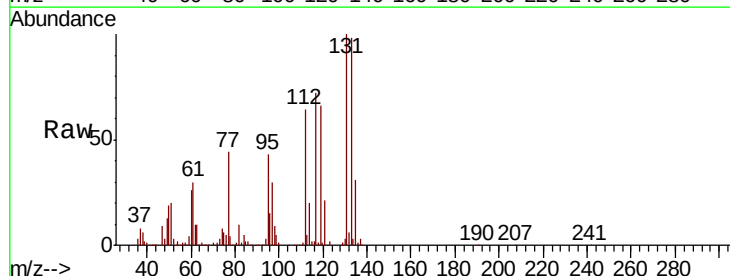
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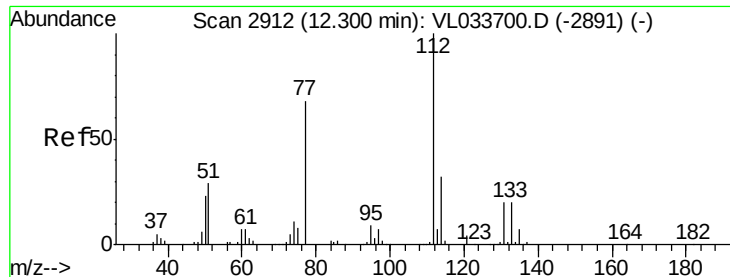
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.937 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion:131 Resp: 1045056
Ion Ratio Lower Upper
131 100
133 95.8 76.6 114.8
119 64.5 49.0 73.4





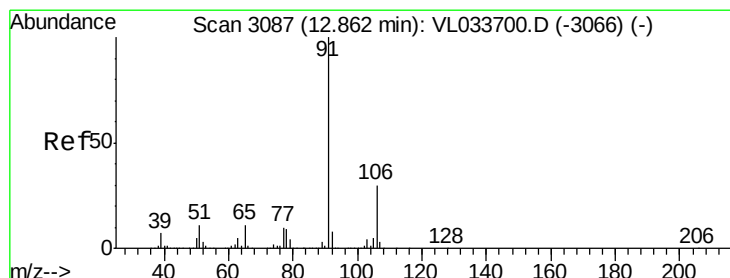
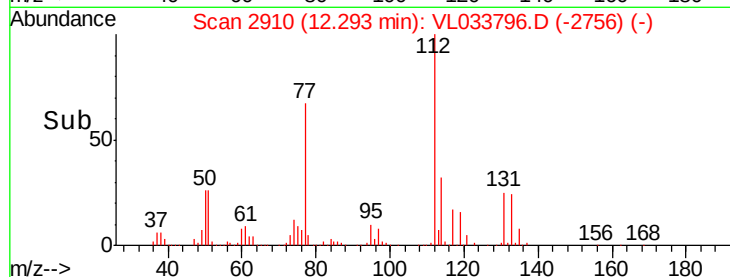
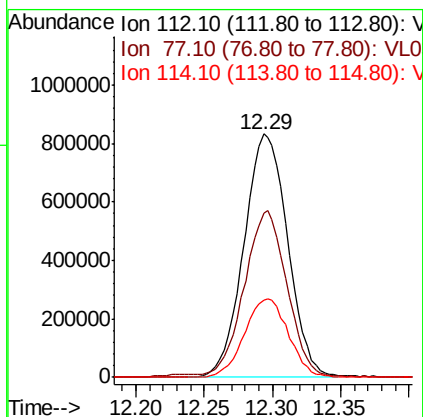
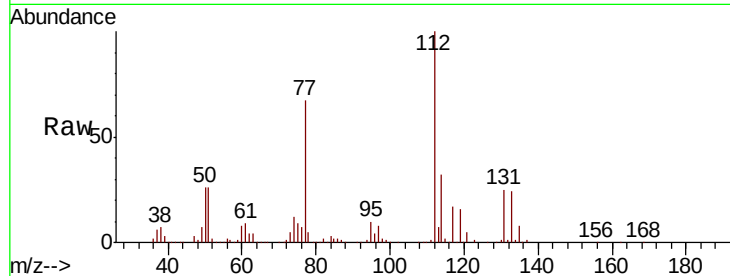
#57
Chlorobenzene
Concen: 9.904 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.9	55.4	83.0
114	31.7	29.3	35.8

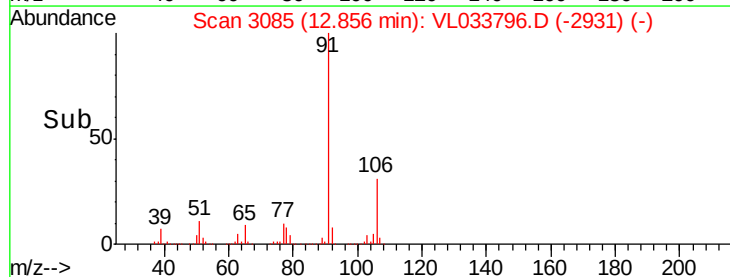
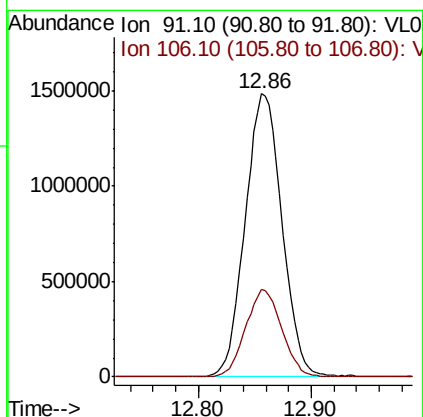
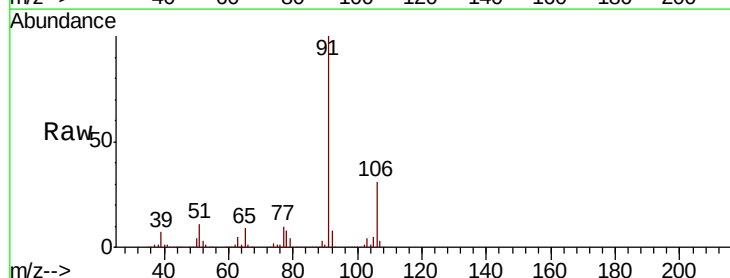
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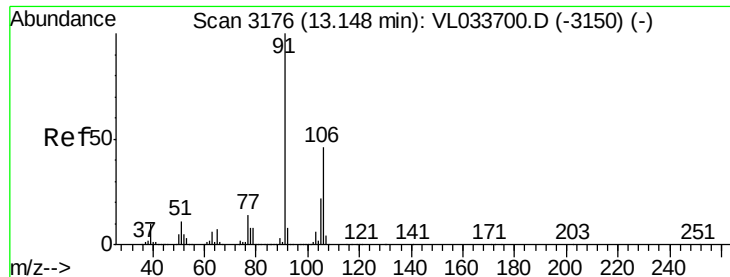
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#58
Ethyl Benzene
Concen: 11.145 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.9	35.9





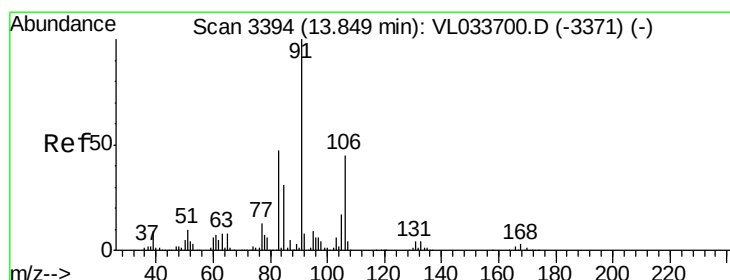
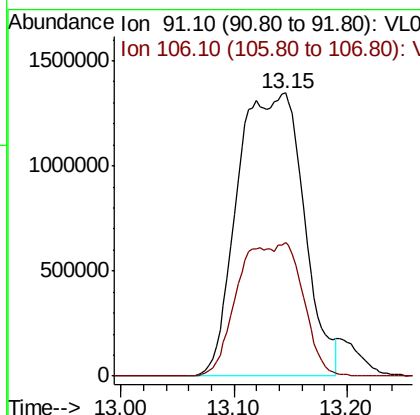
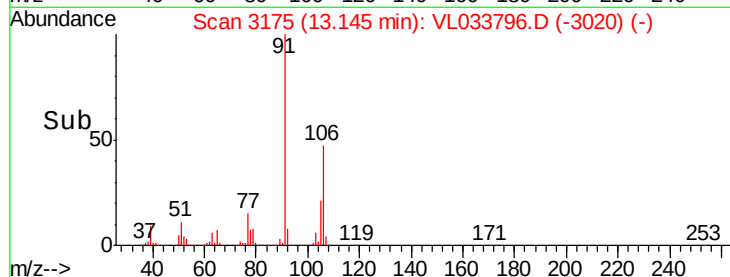
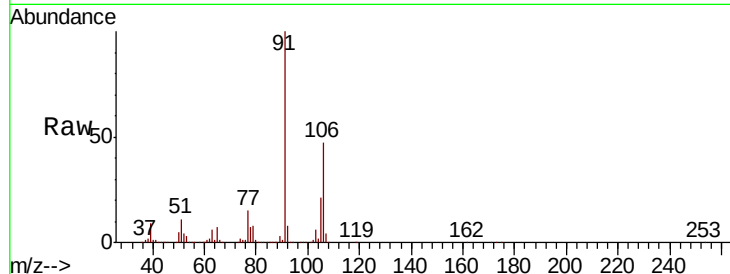
#59
m/p-Xylene
Concen: 20.817 ppbv m
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5476648
Ion Ratio Lower Upper
91 100
106 46.1 35.8 53.6

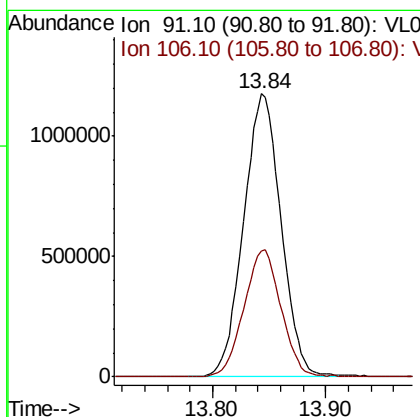
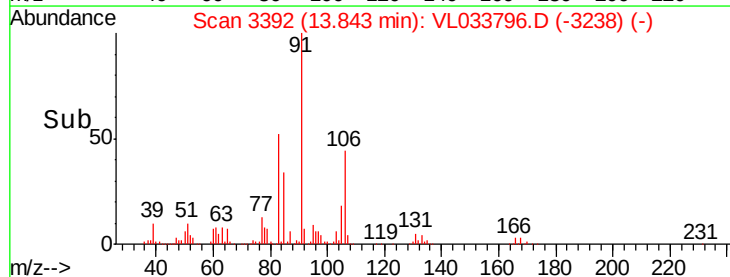
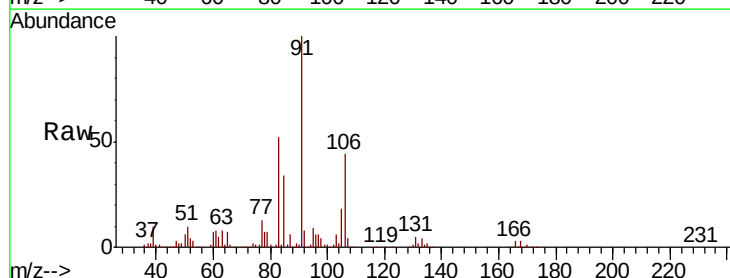
Manual Integrations
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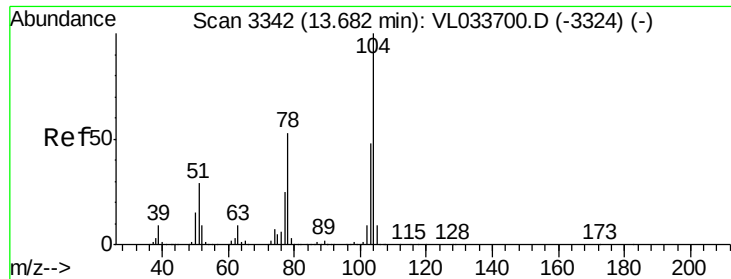
MMDadoda
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#60
o-Xylene
Concen: 10.216 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion: 91 Resp: 2709301
Ion Ratio Lower Upper
91 100
106 44.7 21.6 64.8





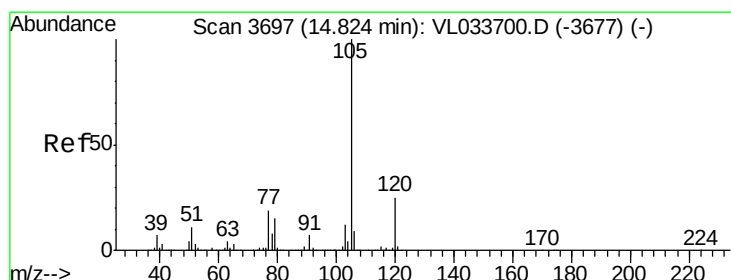
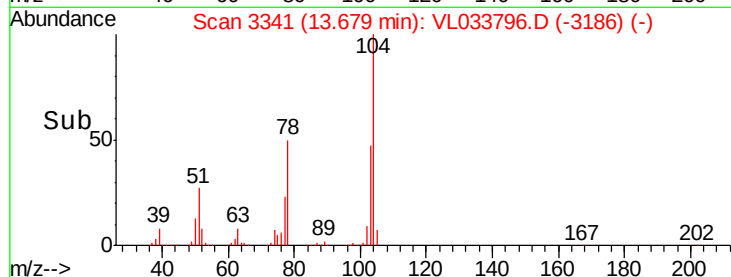
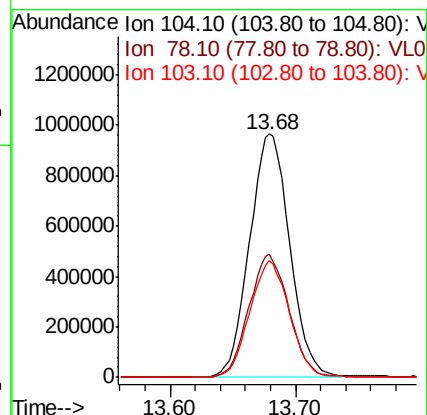
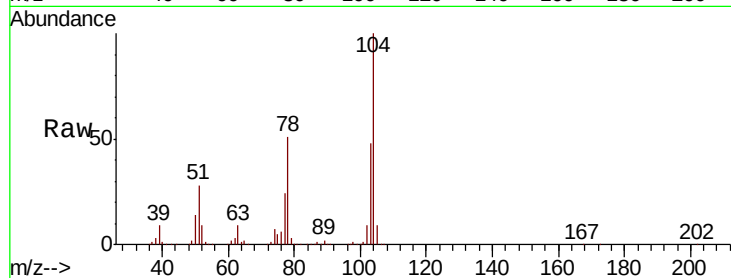
#61
Stvrene
Concen: 12.050 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.8	42.6	64.0
103	47.5	37.8	56.6

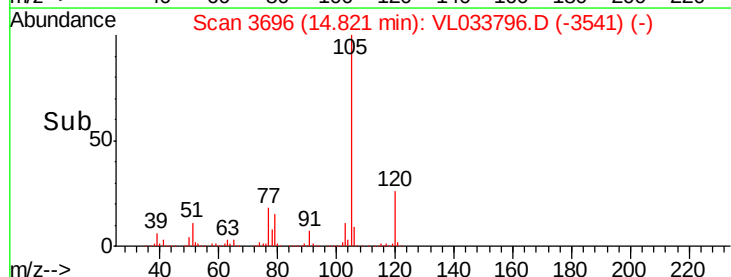
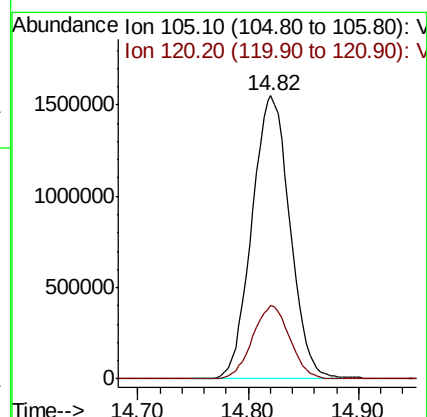
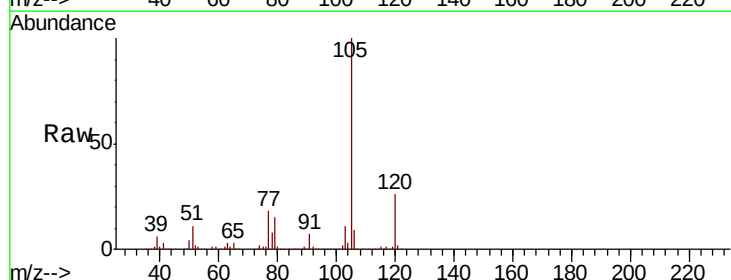
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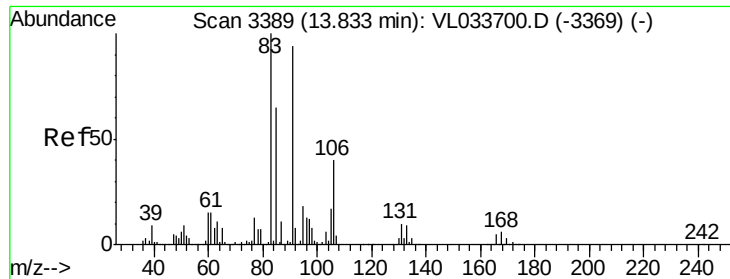
MMDadoda
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#62
Isopropylbenzene
Concen: 10.352 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.1	30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 9.800 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1890031

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

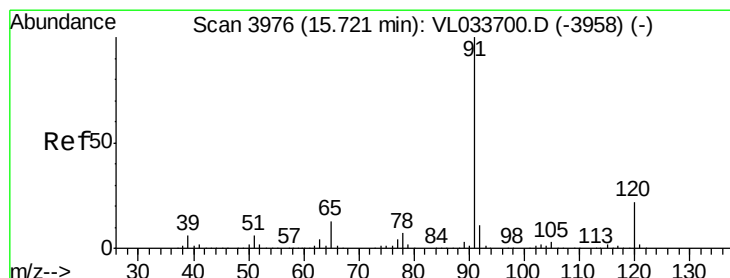
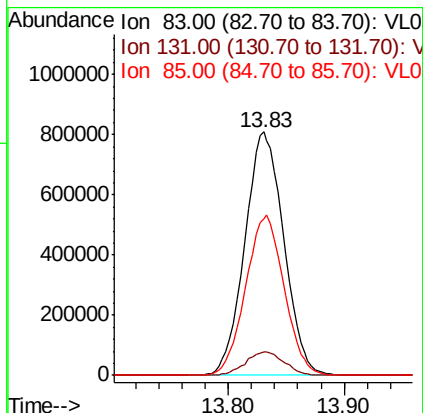
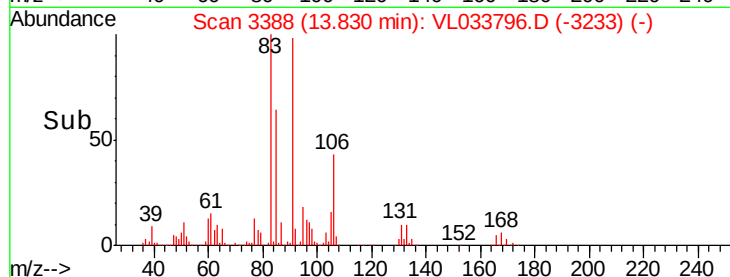
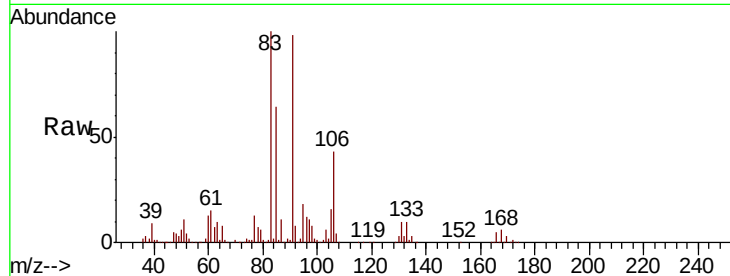
85 65.2 32.3 96.9

Manual Integrations

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MMDadoda

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#64

n-propylbenzene

Concen: 10.659 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033796.D

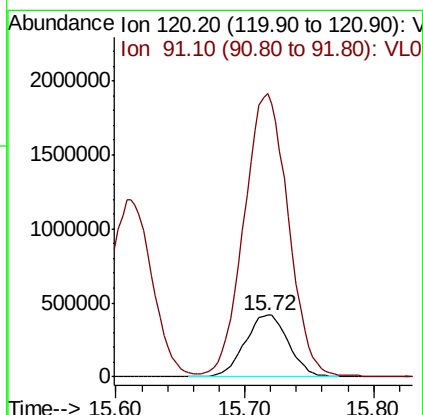
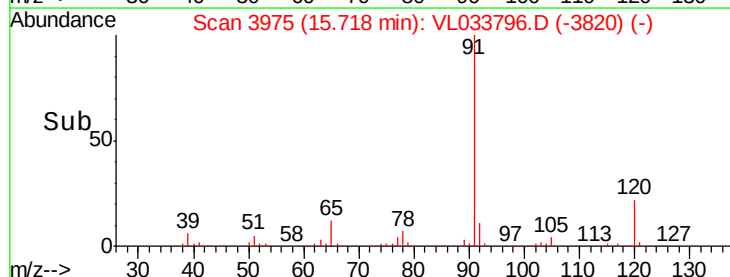
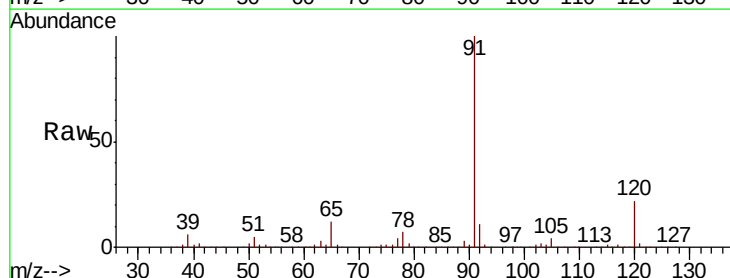
Acq: 24 May 2019 9:28

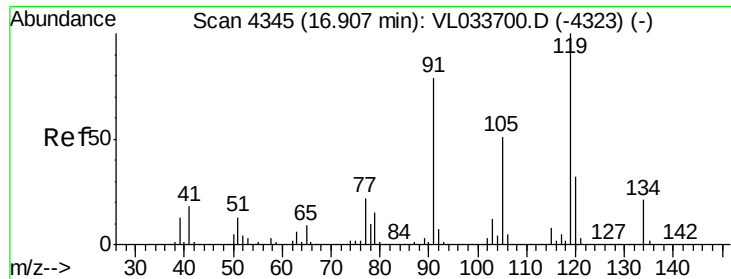
Tgt Ion: 120 Resp: 984764

Ion Ratio Lower Upper

120 100

91 466.6 379.1 568.7





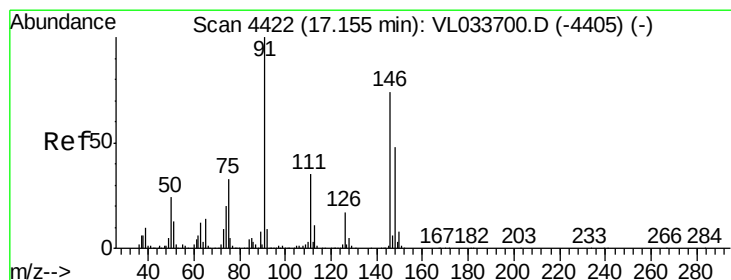
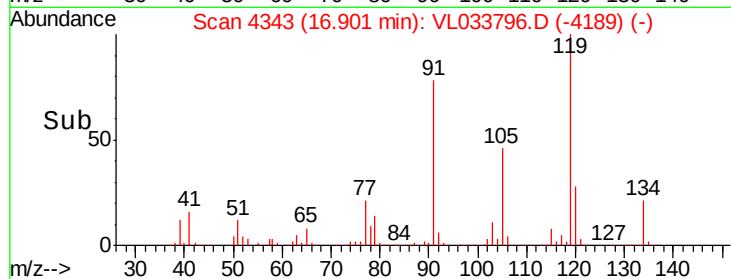
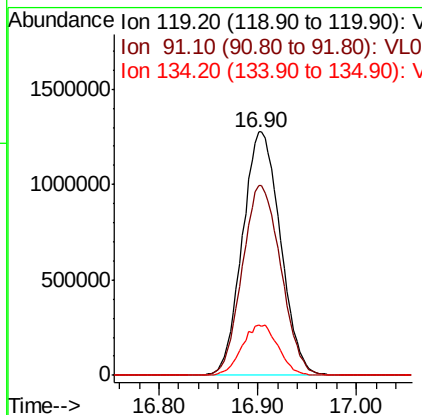
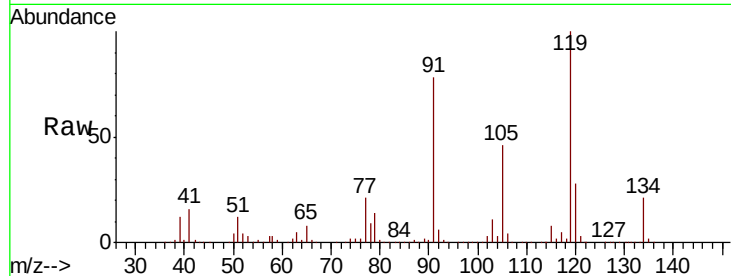
#65
 tert-Butylbenzene
 Concen: 10.412 ppbv
 RT: 16.90 min Scan# 4343
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 3395286
 Ion Ratio Lower Upper
 119 100
 91 79.5 65.3 97.9
 134 19.7 15.7 23.5

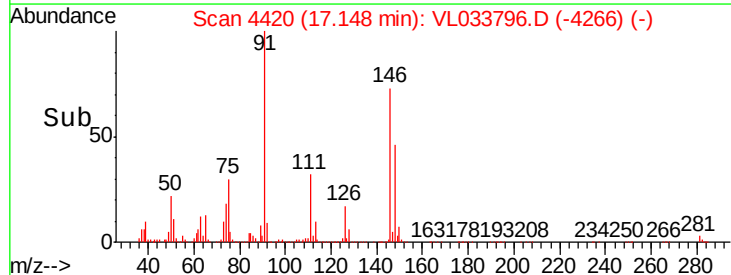
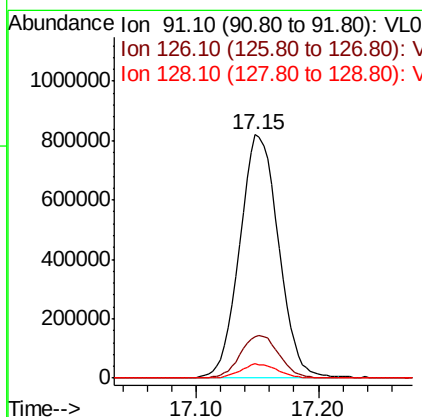
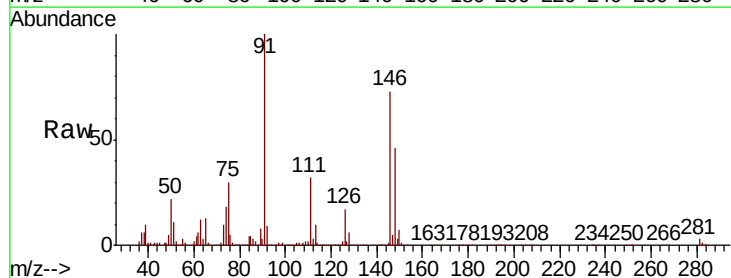
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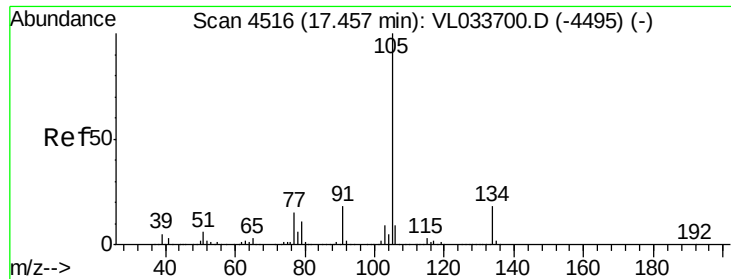
MMDadoda
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#66
 Benzyl Chloride
 Concen: 11.600 ppbv
 RT: 17.15 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion: 91 Resp: 1801570
 Ion Ratio Lower Upper
 91 100
 126 17.6 13.5 20.3
 128 5.7 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.405 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4748913

Ion Ratio Lower Upper

105 100

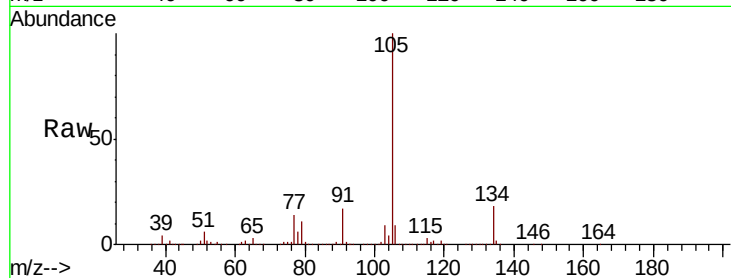
134 18.3 14.6 22.0

Manual Integrations

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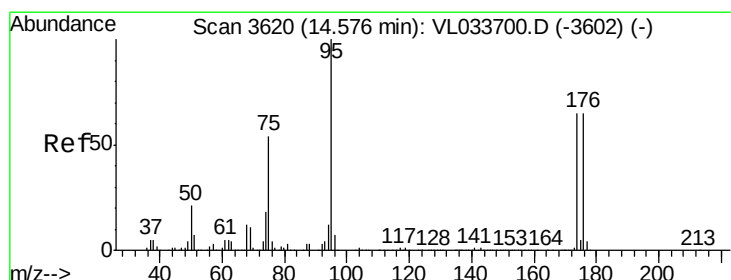
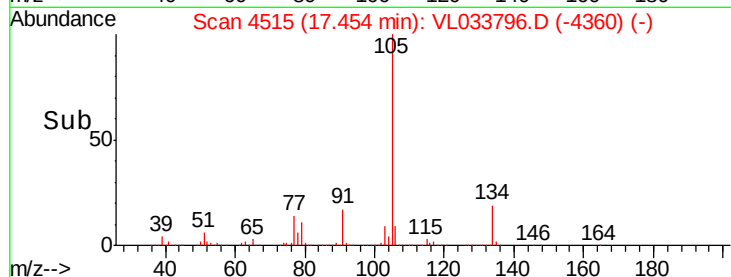
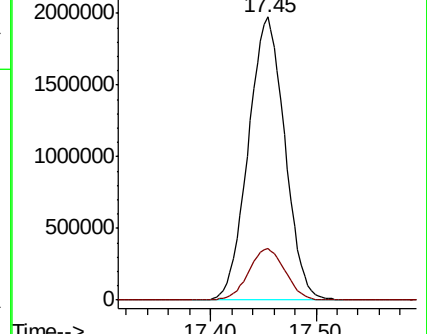
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.175 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

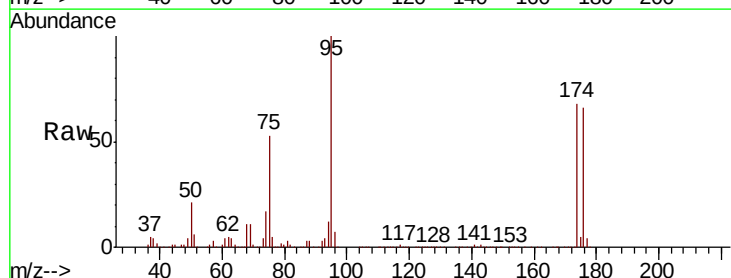
Tgt Ion: 95 Resp: 1690471

Ion Ratio Lower Upper

95 100

174 69.9 53.9 80.9

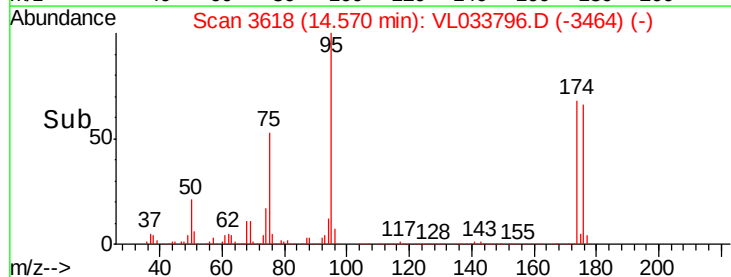
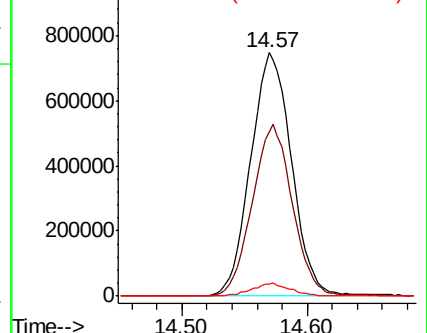
175 5.1 3.8 5.8

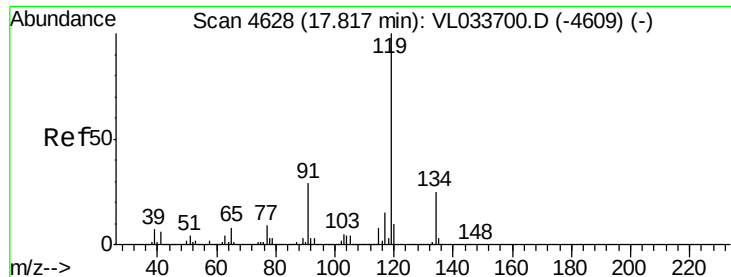


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





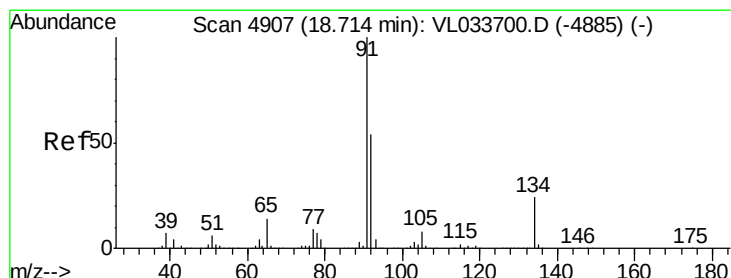
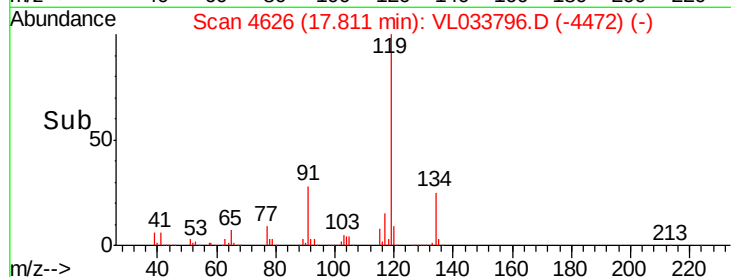
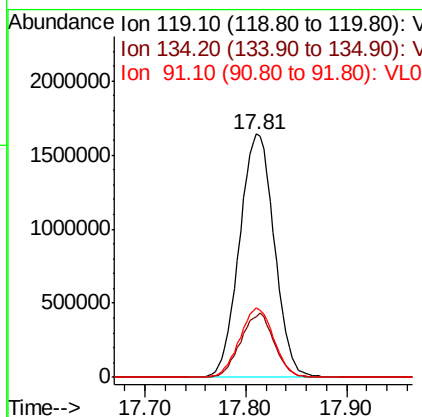
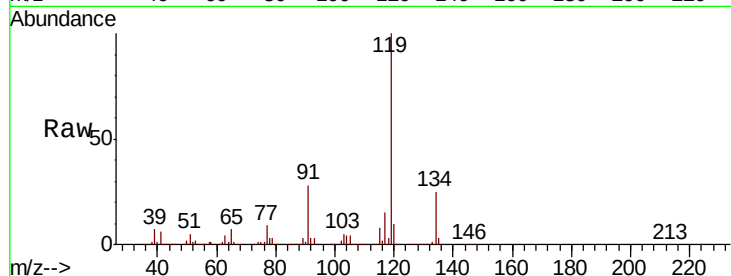
#69
 p-Isopropyltoluene
 Concen: 10.383 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	28.0	23.1	34.7

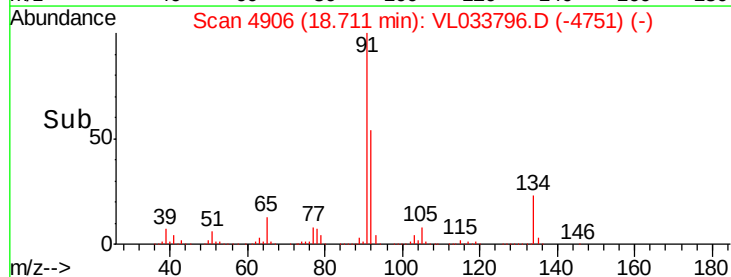
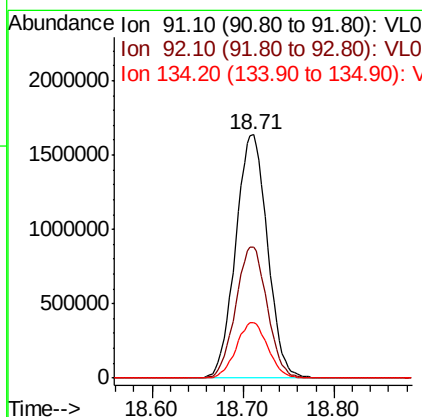
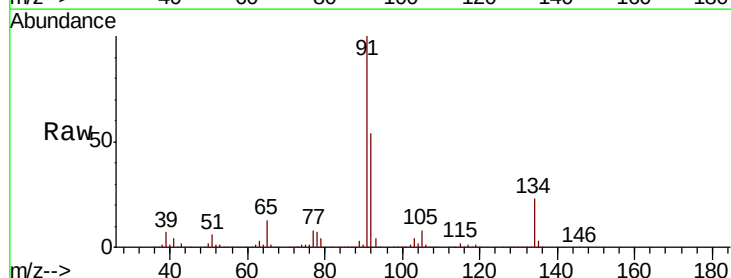
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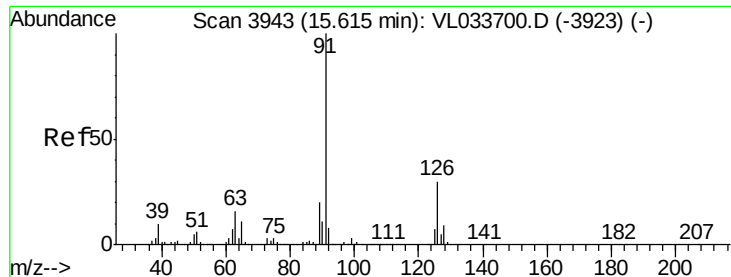
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#70
 n-Butylbenzene
 Concen: 9.823 ppbv
 RT: 18.71 min Scan# 4906
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.6	63.8
134	22.6	18.1	27.1





#71

2-Chlorotoluene

Concen: 10.532 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2790858

Ion Ratio Lower Upper

91 100

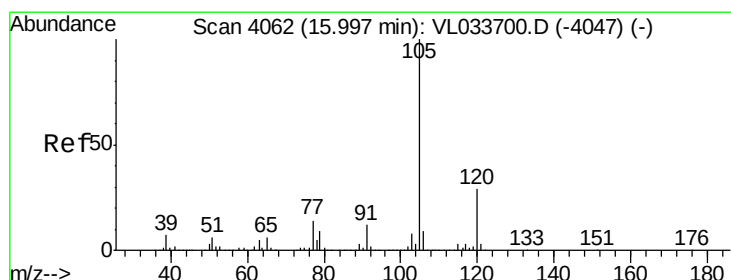
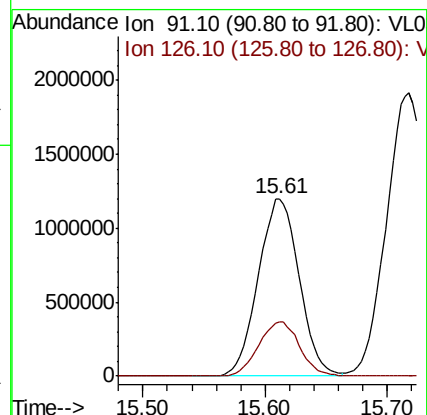
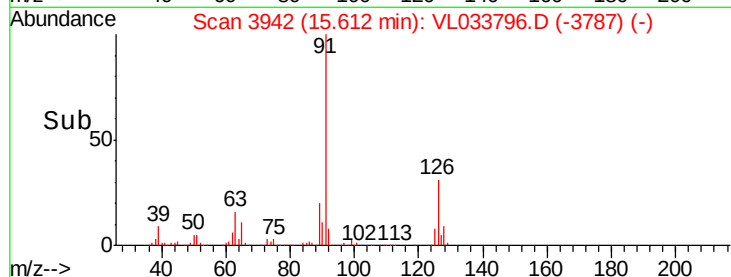
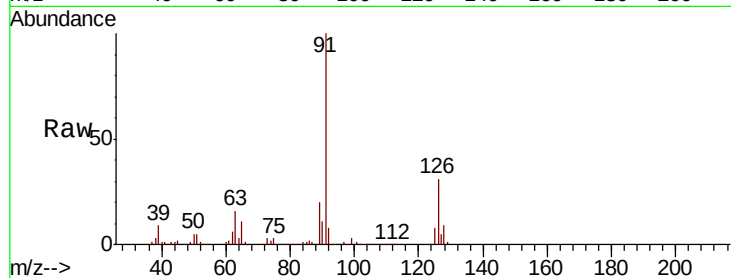
126 30.7 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.896 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion:105 Resp: 3304023

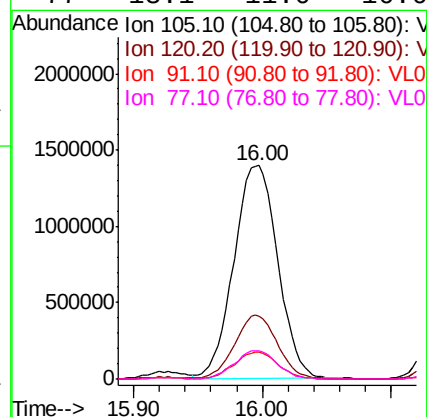
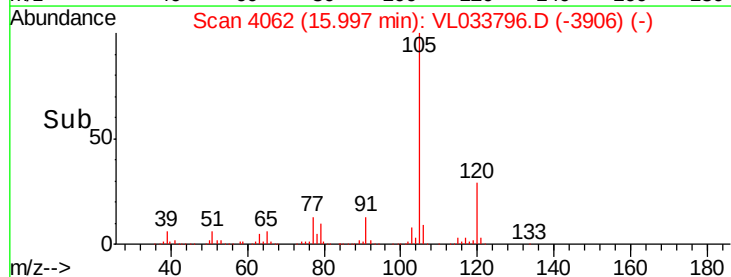
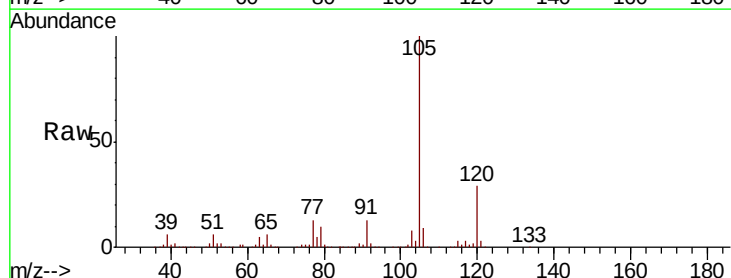
Ion Ratio Lower Upper

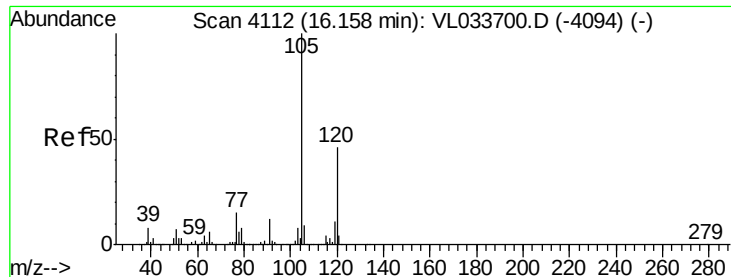
105 100

120 29.3 23.1 34.7

91 12.5 10.4 15.6

77 13.1 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 10.361 ppbv

RT: 16.15 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3065570

Ion Ratio Lower Upper

105 100

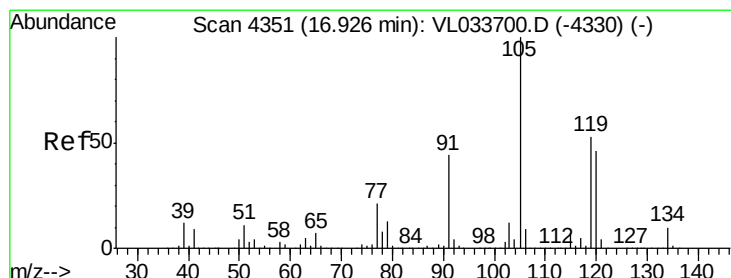
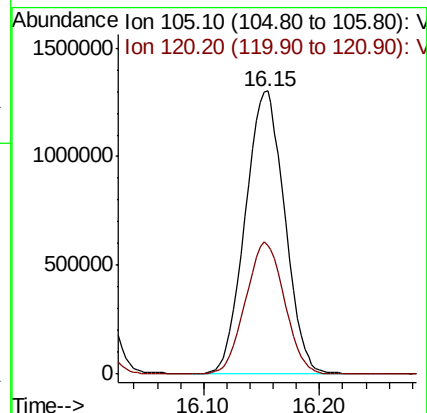
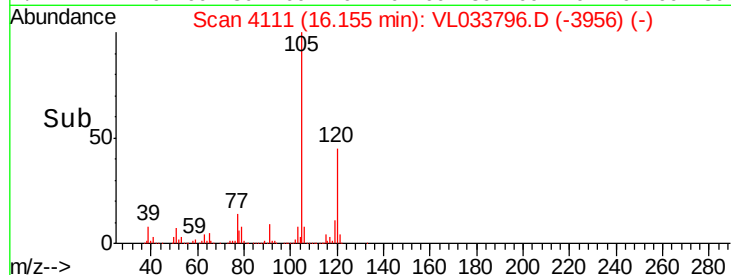
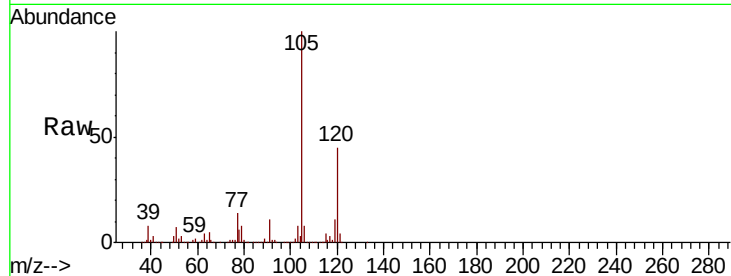
120 45.3 37.0 55.4

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 9.916 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion:105 Resp: 3192690

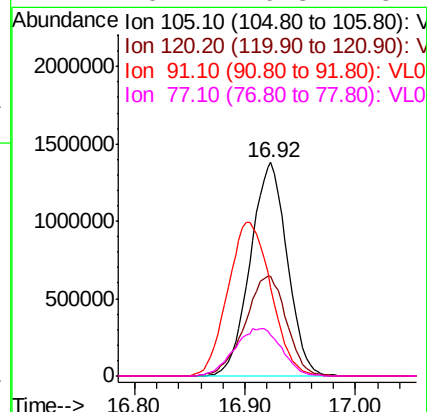
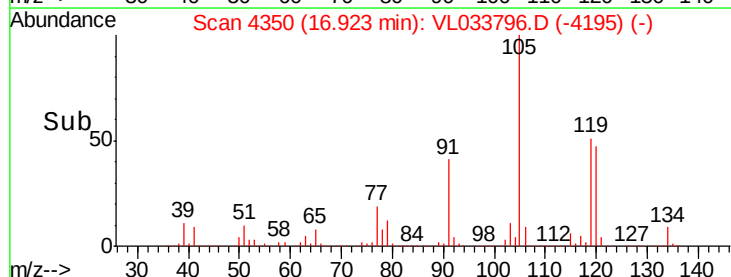
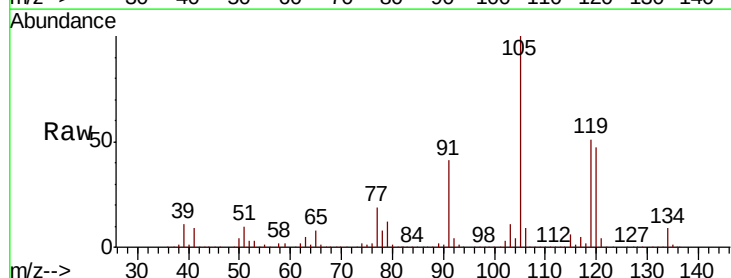
Ion Ratio Lower Upper

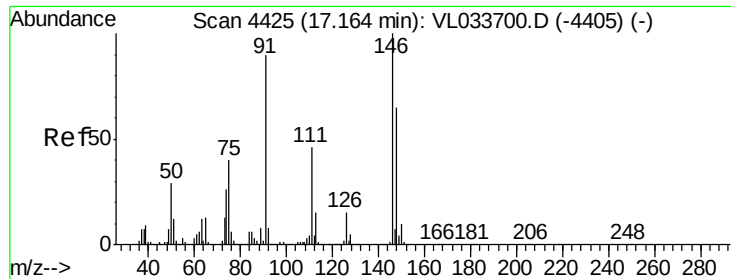
105 100

120 46.9 36.8 55.2

91 41.0 35.4 53.0

77 19.4 16.8 25.2





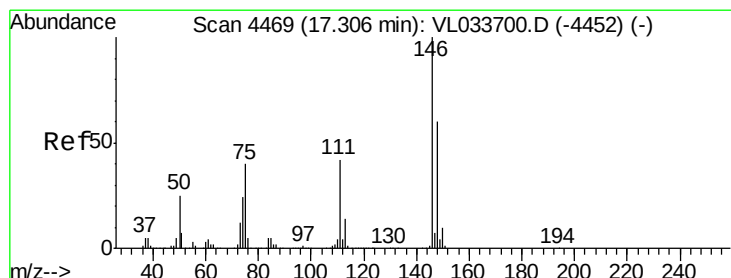
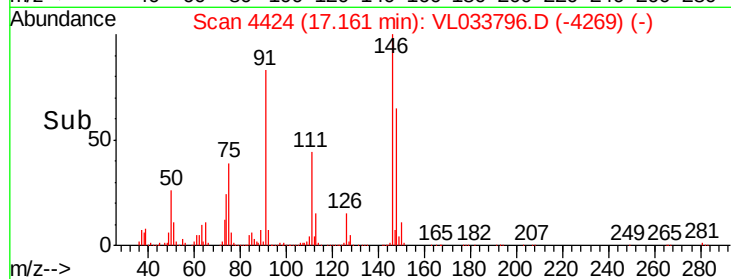
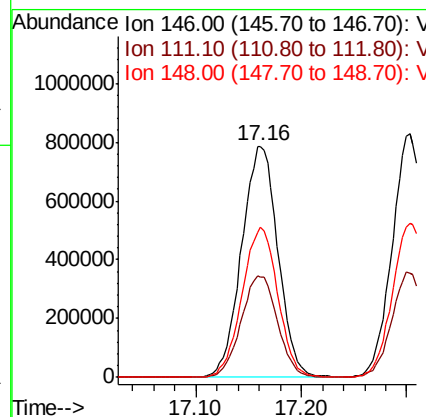
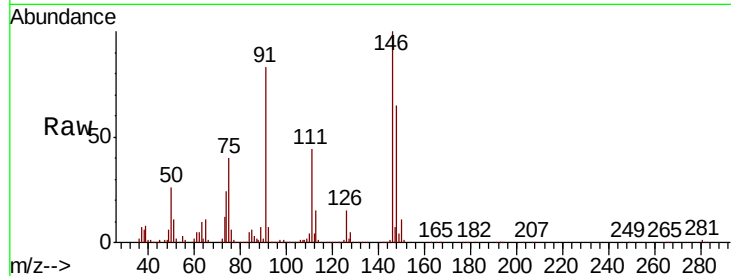
#75
 1,3-Dichlorobenzene
 Concen: 9.518 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.9	68.8
148	64.1	32.0	96.2

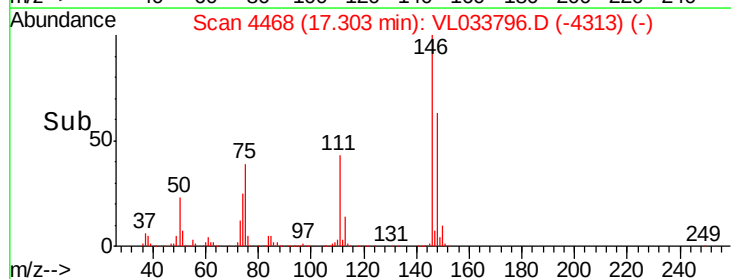
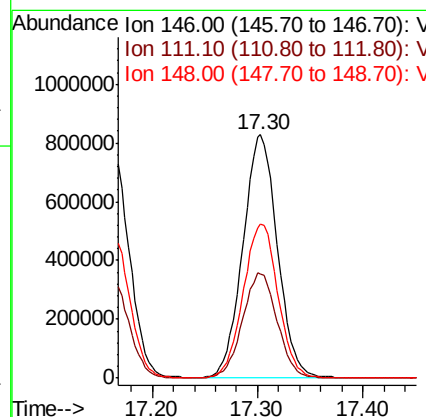
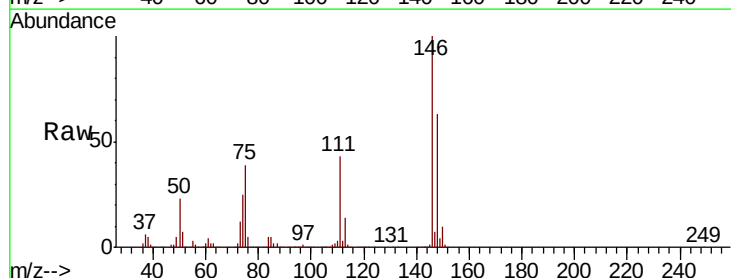
Manual Integrations
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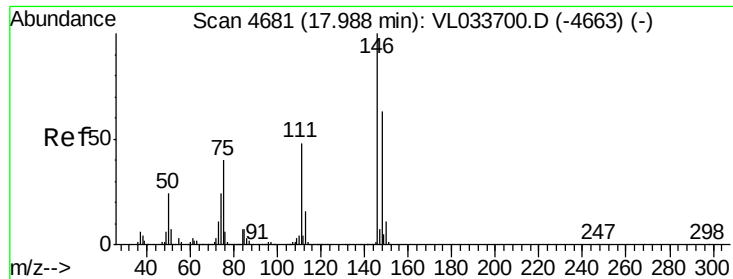
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#76
 1,4-Dichlorobenzene
 Concen: 9.991 ppbv
 RT: 17.30 min Scan# 4468
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	64.8	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 9.740 ppbv

RT: 17.98 min Scan# 4680

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

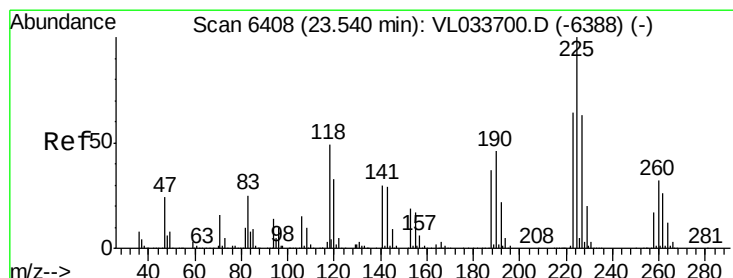
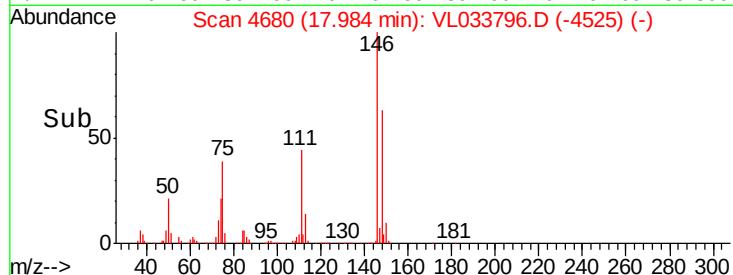
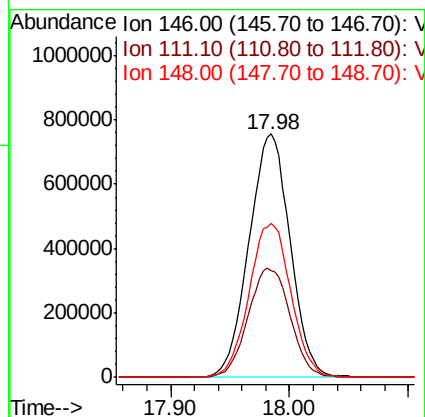
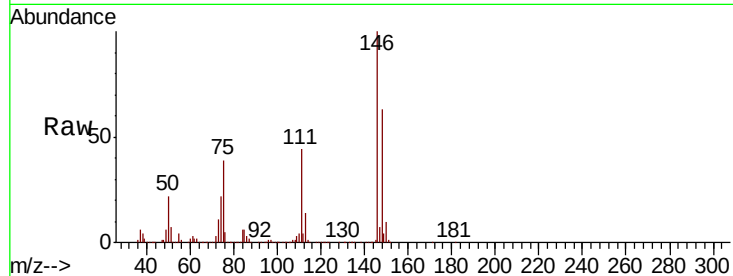
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	1805785
Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.5	70.5
148	64.6	32.1	96.3

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 9.250 ppbv

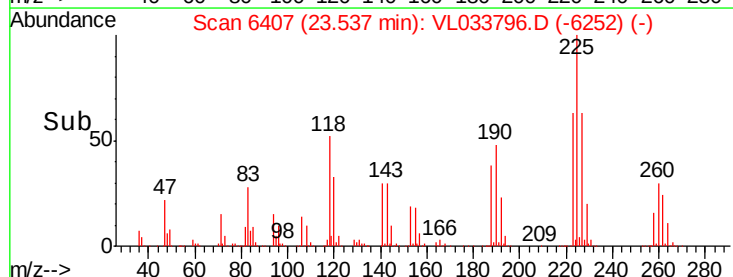
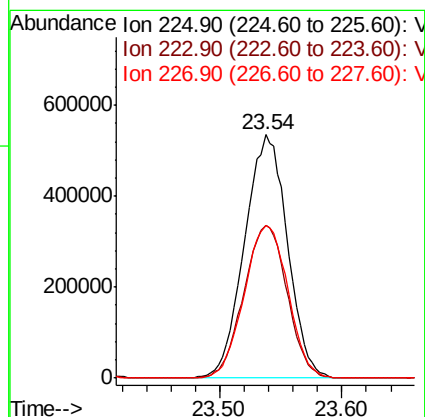
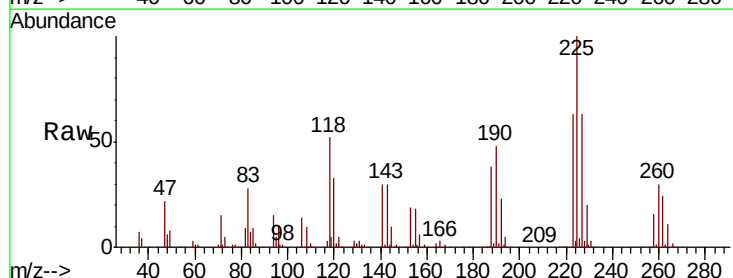
RT: 23.54 min Scan# 6407

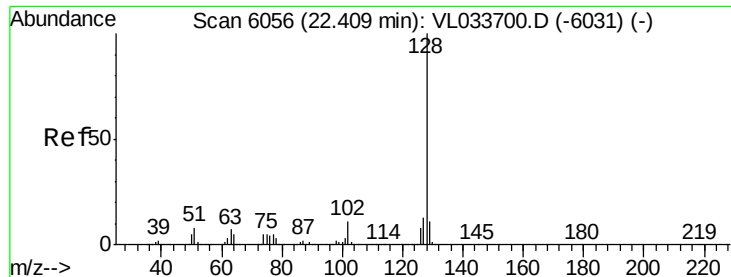
Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion:	225	Resp:	1296640
Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.2	75.4
227	64.2	50.7	76.1





#79

Naphthalene

Concen: 9.359 ppbv

RT: 22.41 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

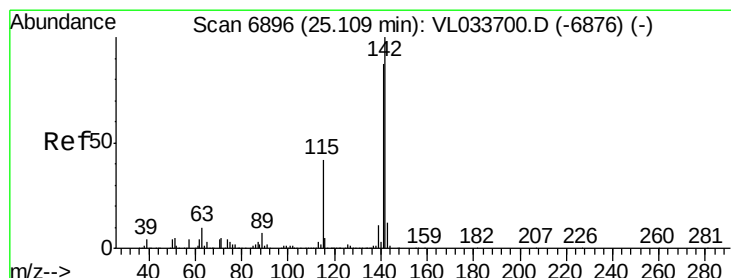
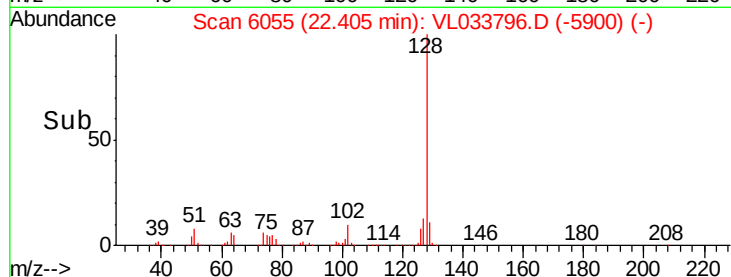
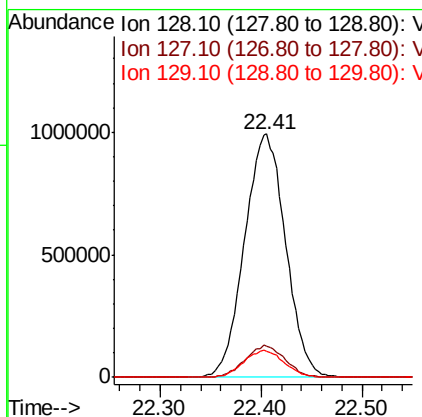
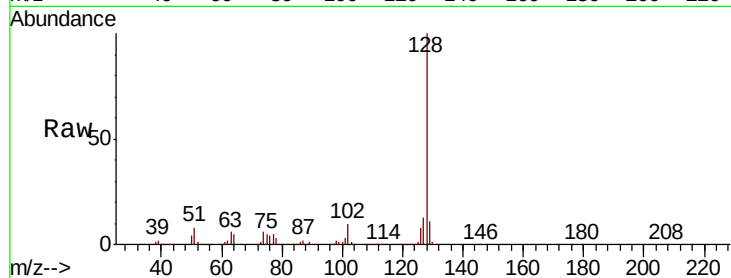
ClientSampleId :

VSTDCCC010EC

Tot Ion:	128	Resp:	2799105
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.5	8.9	13.3

Manual Integrations
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#80

Naphthalene, 2-methyl-

Concen: 11.576 ppbv

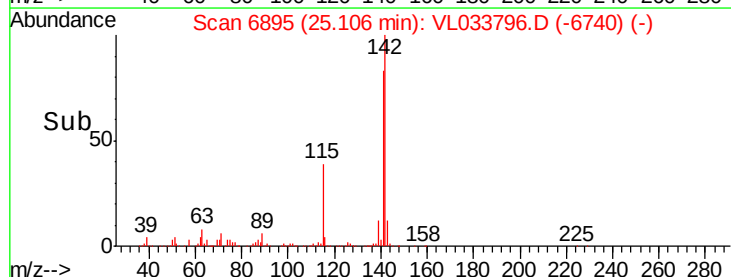
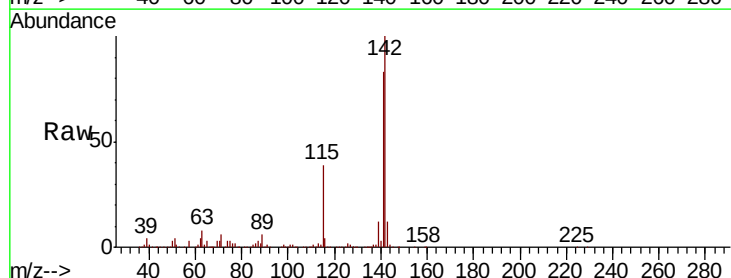
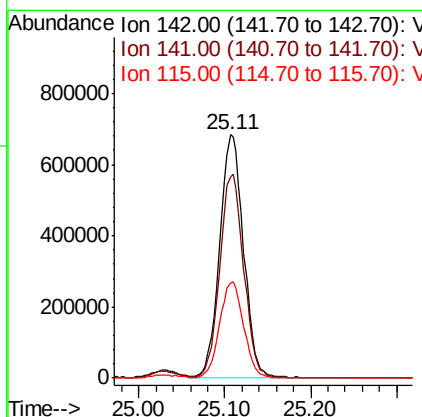
RT: 25.11 min Scan# 6895

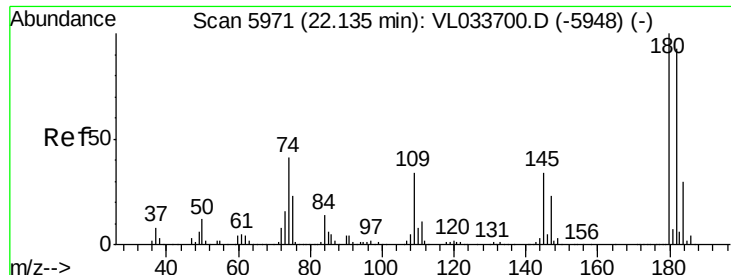
Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion:	142	Resp:	1315443
Ion	Ratio	Lower	Upper
142	100		
141	83.4	67.2	100.8
115	39.6	34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.741 ppbv
 RT: 22.13 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
184	30.7	24.6	37.0

Manual Integrations
 APPROVED

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 5/28/2019 2:54:03 AM

