

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033771.D
 Acq On : 23 May 2019 12:37
 Operator : SY/AP
 Sample : VL0523ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:53:18 AM

Quant Time: May 24 04:46:47 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	880626	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2067996	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2379299m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1835933	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1419994	7.651	ppbv	100
3) Chlorodifluoromethane	3.01	51	1064544	10.553	ppbv	98
4) Chloromethane	3.17	50	601072	10.418	ppbv	99
5) Vinyl Chloride	3.29	62	600390	10.216	ppbv	99
6) Bromomethane	3.51	94	389230	10.854	ppbv	99
7) Chloroethane	3.60	64	228676	10.949	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1580330	10.562	ppbv	99
9) Propene	3.03	41	449850	10.485	ppbv	98
10) Heptane	8.24	43	1285843	10.583	ppbv	99
11) Trichlorofluoromethane	4.00	101	1908935	10.777	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1278283	10.334	ppbv	99
13) Ethanol	3.64	45	89505	6.454	ppbv	100
14) Bromoethene	3.79	108	504833	11.102	ppbv	99
15) Acetone	3.90	43	1185151	9.700	ppbv	97
16) 1,3-Butadiene	3.36	39	546240	11.227	ppbv	98
17) tert-Butyl alcohol	4.35	59	1016796	10.292	ppbv	99
18) 1,1-Dichloroethene	4.35	96	557152	10.672	ppbv	94
19) Isopropyl Alcohol	4.02	45	762588	9.680	ppbv #	98
20) Methylene Chloride	4.41	84	472352	10.041	ppbv	97
21) Allyl Chloride	4.47	41	820289	10.763	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	573594	10.719	ppbv	95
23) Vinyl Acetate	5.15	43	1740210	10.802	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1239338	10.120	ppbv	99
25) Ethyl Acetate	5.76	43	2182106	10.167	ppbv	100
26) Hexane	5.78	57	954311	10.342	ppbv	98
27) Carbon Disulfide	4.62	76	1417550	11.198	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1565313	10.406	ppbv	99
29) Chloroform	5.85	83	1658208	9.756	ppbv	100
30) Cyclohexane	7.24	84	805562	10.384	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	971777	10.622	ppbv	99
32) 1,1,1-Trichloroethane	6.61	97	1703097	10.035	ppbv	100
34) 2-Butanone	5.32	43	1412806	11.022	ppbv	99
35) Carbon Tetrachloride	7.13	117	1841536	11.117	ppbv	99
36) Benzene	7.00	78	1956538	10.401	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1284086	10.582	ppbv	100
38) Trichloroethene	7.96	130	859824	12.318	ppbv	97
39) 1,2-Dichloropropane	7.73	63	763429	10.885	ppbv	99
40) 1,4-Dioxane	7.95	88	297630	10.145	ppbv #	99
41) Tetrahydrofuran	6.14	42	780911	10.873	ppbv	99
42) Bromodichloromethane	7.91	83	1892622	11.393	ppbv	94
43) Methyl Methacrylate	8.13	69	823612	11.897	ppbv	99

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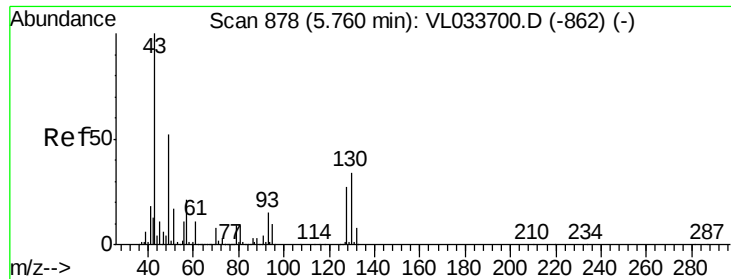
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3478239	10.940	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1087544	12.391	ppbv	95
46) cis-1,3-Dichloropropene	8.83	75	1220721	11.878	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	845439	10.611	ppbv	95
48) Dibromochloromethane	10.45	129	1580418	11.448	ppbv	99
49) Bromoform	13.20	173	1435787	12.360	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2194709	11.131	ppbv	99
51) 2-Hexanone	10.26	43	1793310	11.654	ppbv #	98
52) Tetrachloroethene	11.37	164	764254	11.557	ppbv	98
53) Toluene	9.94	91	2351082	11.587	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1342502	11.041	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.27	131	1058181	9.611	ppbv	99
57) Chlorobenzene	12.29	112	1849307	9.442	ppbv	99
58) Ethyl Benzene	12.86	91	3348699	10.628	ppbv	99
59) m/p-Xylene	13.15	91	5644875m	20.495	ppbv	
60) o-Xylene	13.84	91	2841057	10.232	ppbv	99
61) Styrene	13.68	104	2094122	11.203	ppbv	99
62) Isopropylbenzene	14.82	105	3725688	9.964	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	2005911	9.935	ppbv	100
64) n-propylbenzene	15.72	120	978326	10.115	ppbv	94
65) tert-Butylbenzene	16.90	119	3485007	10.208	ppbv	99
66) Benzyl Chloride	17.15	91	1805120	11.102	ppbv	100
67) sec-Butylbenzene	17.45	105	4862680	10.177	ppbv	99
69) p-Isopropyltoluene	17.81	119	4022135	10.184	ppbv	99
70) n-Butylbenzene	18.71	91	4143918	9.784	ppbv	100
71) 2-Chlorotoluene	15.61	91	2859573	10.308	ppbv	99
72) 4-Ethyltoluene	15.99	105	3322525	10.466	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	3196592	10.320	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	3336300	9.897	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1918564	9.288	ppbv	99
76) 1,4-Dichlorobenzene	17.30	146	1897294	9.664	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1853856	9.551	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	1139174	7.763	ppbv	99
79) Naphthalene	22.40	128	2753453	8.794	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	889440	7.476	ppbv	96
81) 1,2,4-Trichlorobenzene	22.12	180	1569402	8.560	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 49 Resp: 880626

Ion Ratio Lower Upper

49 100

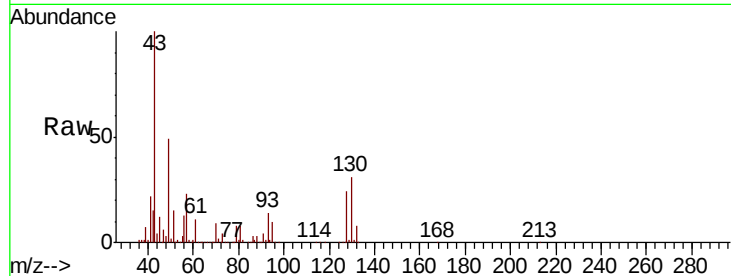
128 50.4 25.2 75.6

130 64.9 32.5 97.5

Manual Integrations
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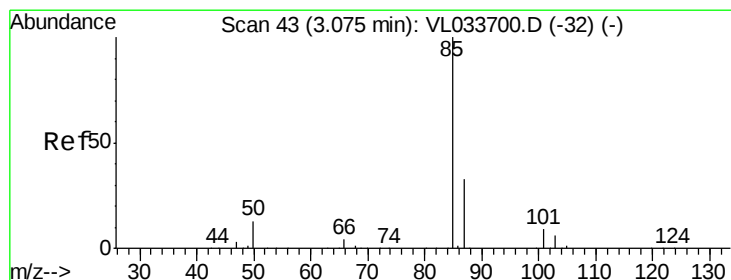
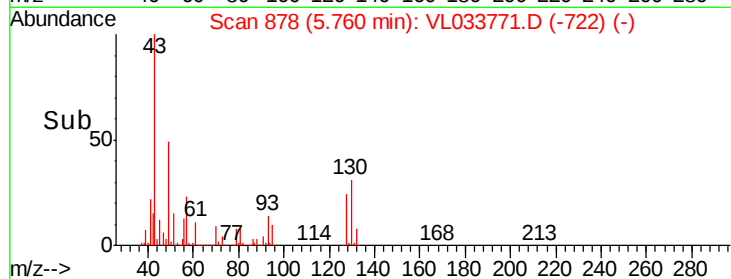
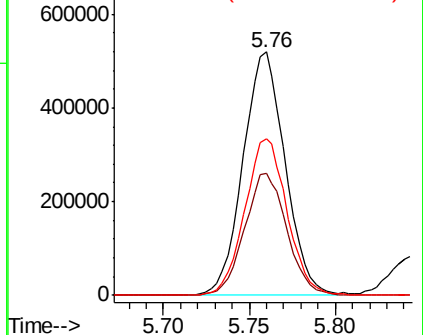
5/28/2019 2:53:18 AM



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: 7.651 ppbv

RT: 3.07 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033771.D

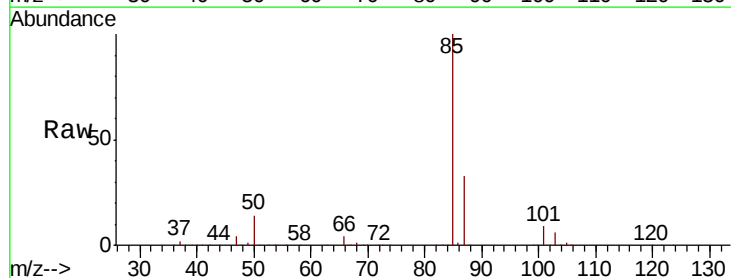
Acq: 23 May 2019 12:37

Tgt Ion: 85 Resp: 1419994

Ion Ratio Lower Upper

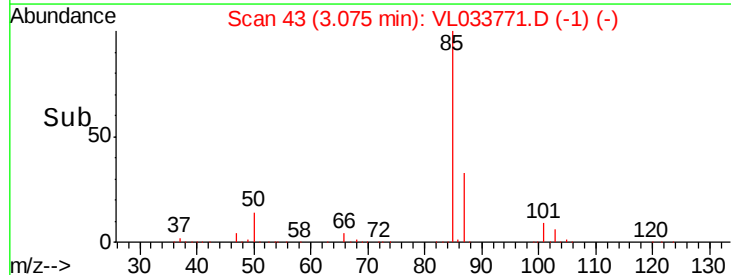
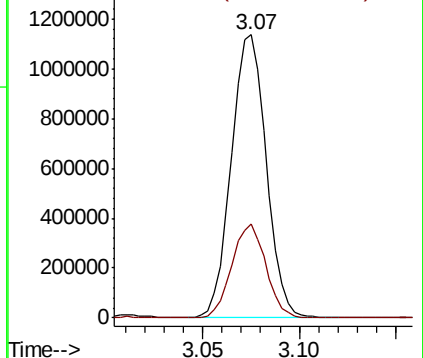
85 100

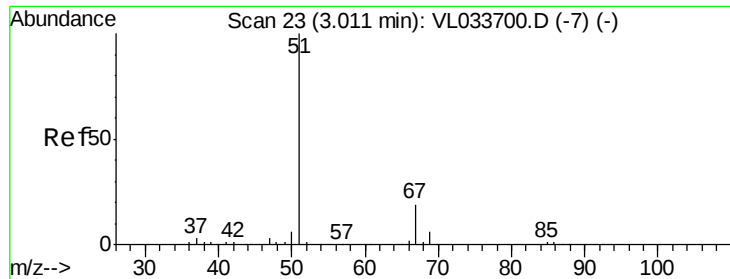
87 33.1 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.553 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Tot Ion: 51 Resp: 1064544

Ion Ratio Lower Upper

51 100

67 20.3 15.6 23.4

Instrument :

MSVOA_L

ClientSampleId :

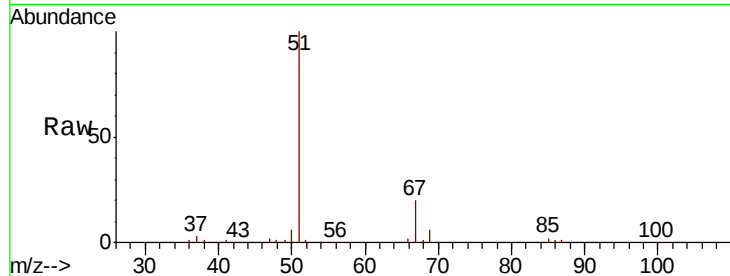
VL0523ABS01

Manual Integrations

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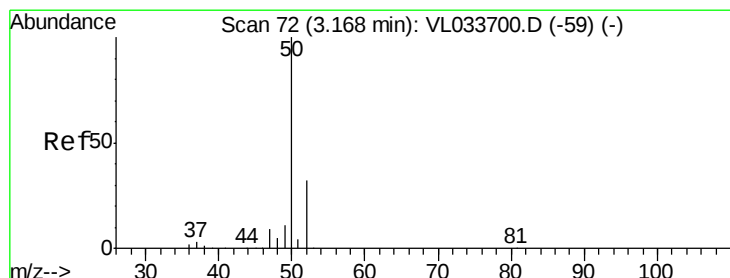
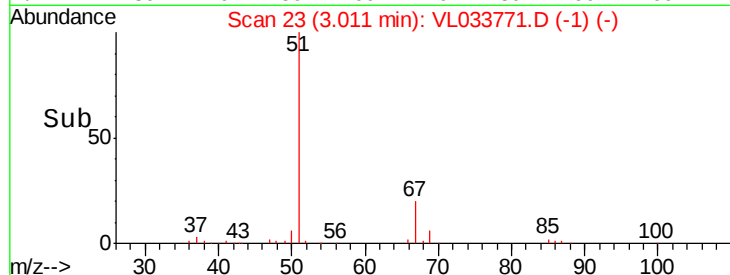
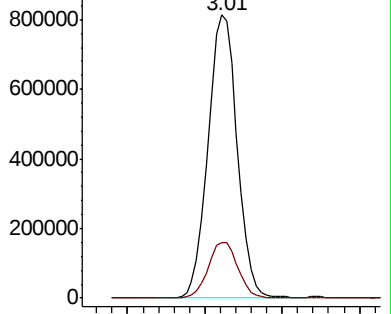
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.418 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033771.D

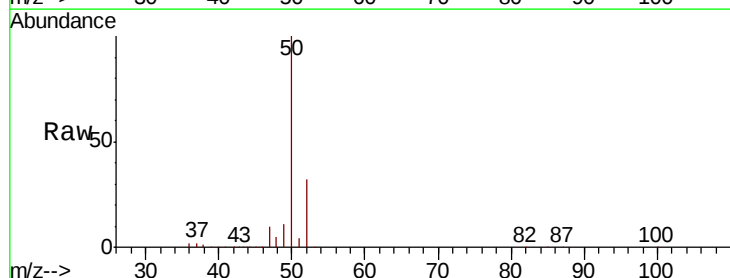
Acq: 23 May 2019 12:37

Tgt Ion: 50 Resp: 601072

Ion Ratio Lower Upper

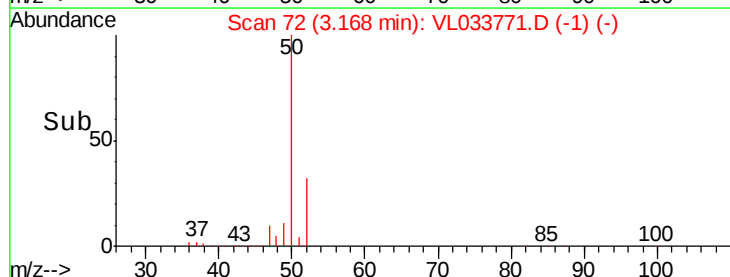
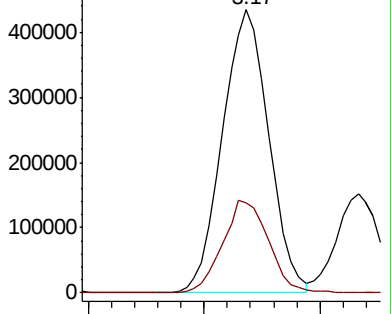
50 100

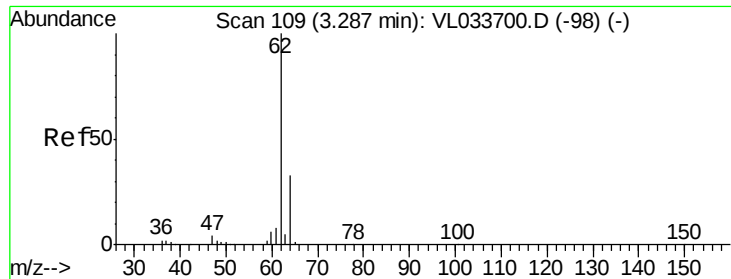
52 31.8 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.216 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 62 Resp: 600390

Ion Ratio Lower Upper

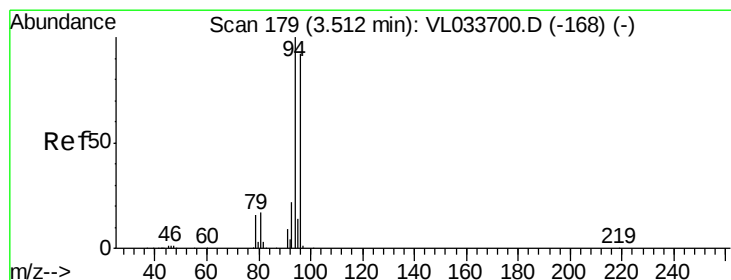
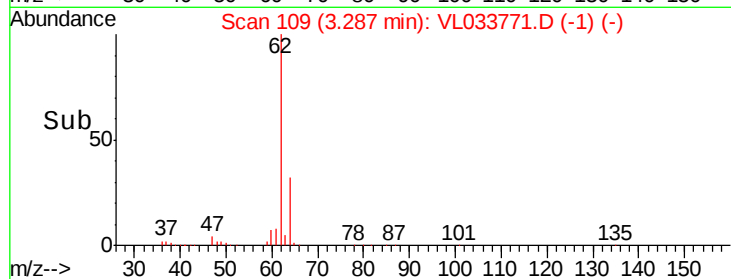
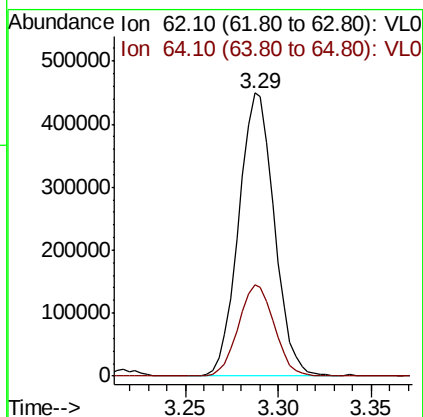
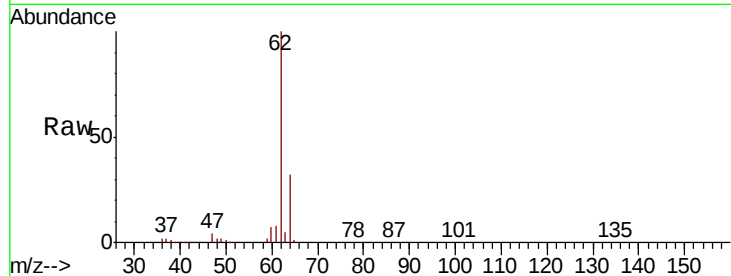
62 100

64 32.3 26.4 39.6

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#6

Bromomethane

Concen: 10.854 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033771.D

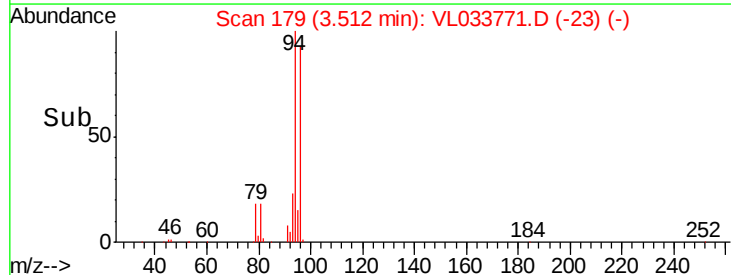
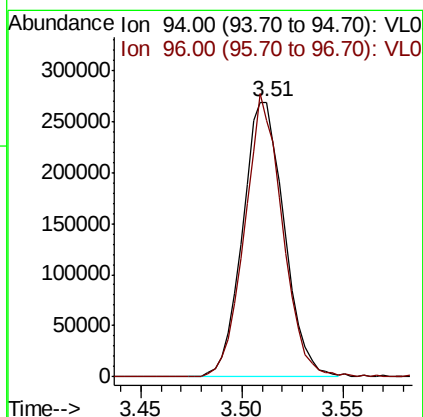
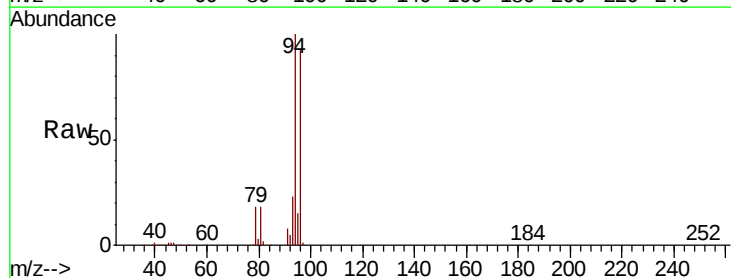
Acq: 23 May 2019 12:37

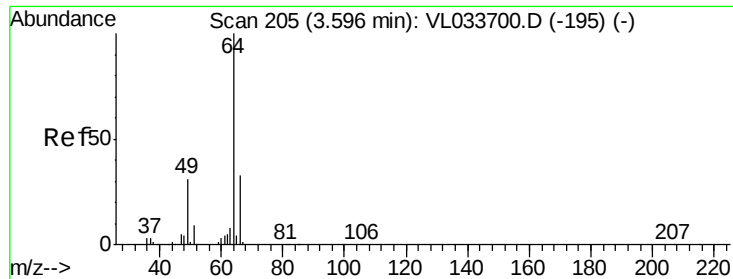
Tgt Ion: 94 Resp: 389230

Ion Ratio Lower Upper

94 100

96 93.2 73.6 110.4





#7

Chloroethane

Concen: 10.949 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 64 Resp: 228676

Ion Ratio Lower Upper

64 100

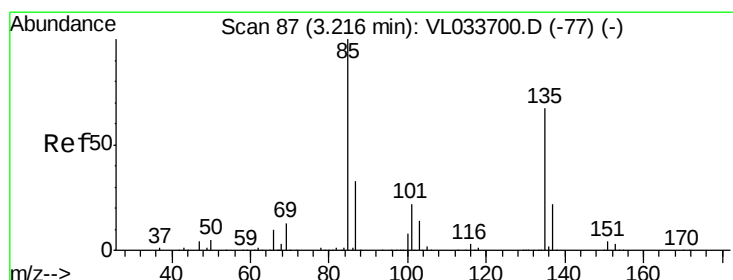
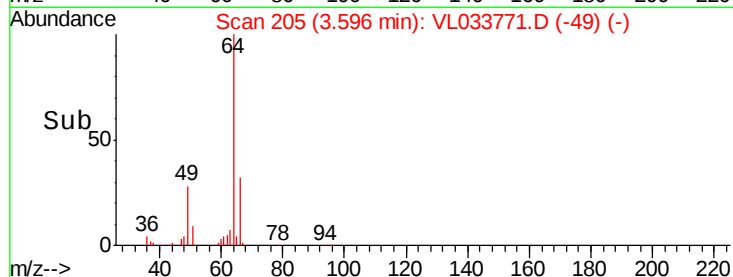
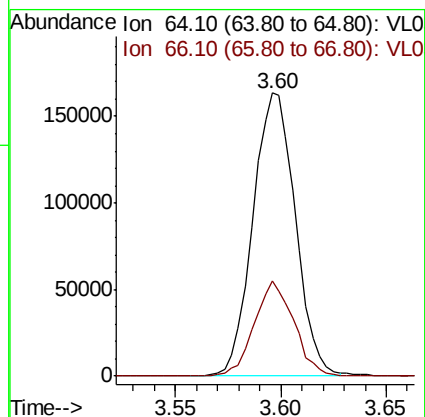
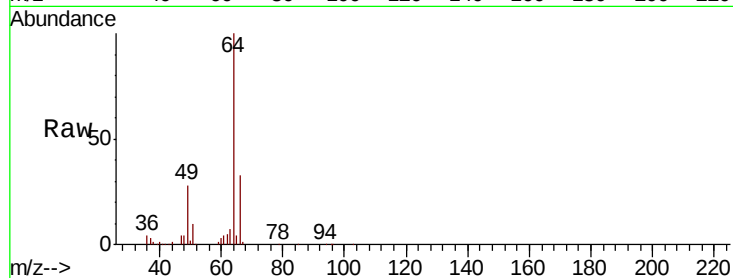
66 33.5 26.6 40.0

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.562 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033771.D

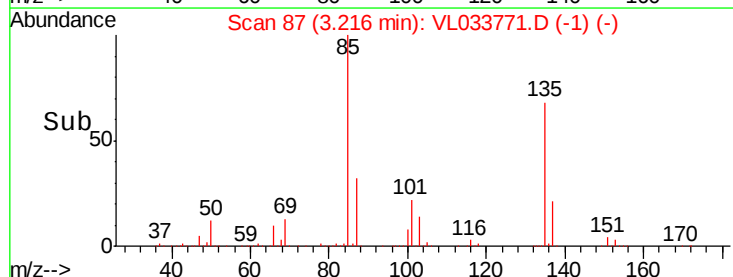
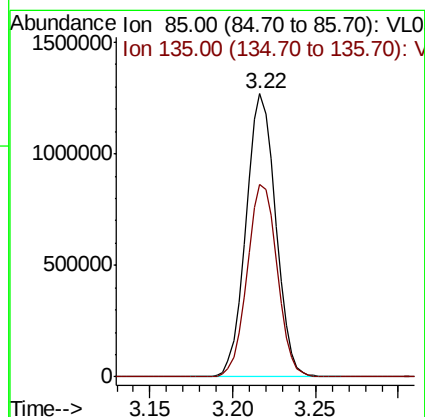
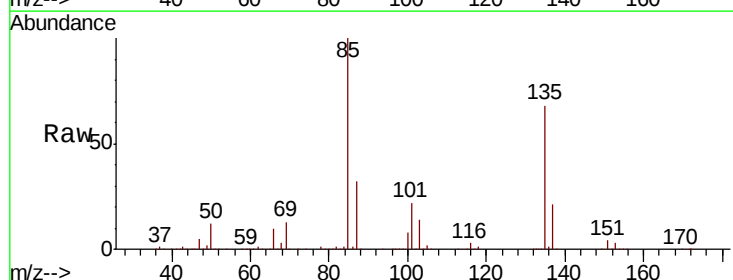
Acq: 23 May 2019 12:37

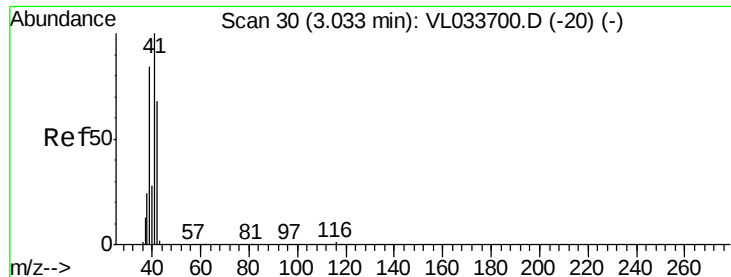
Tgt Ion: 85 Resp: 1580330

Ion Ratio Lower Upper

85 100

135 69.0 54.5 81.7





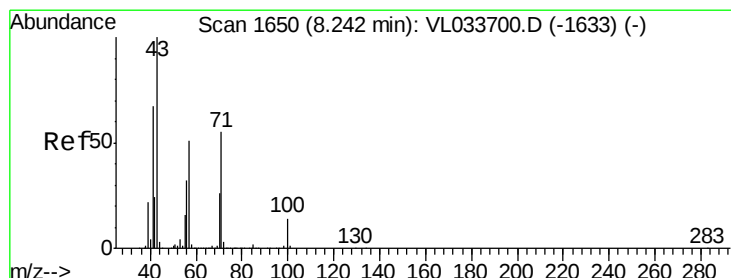
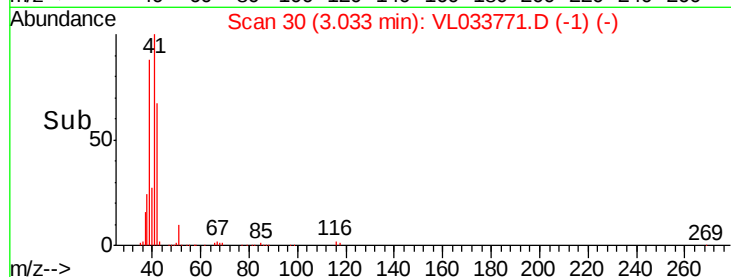
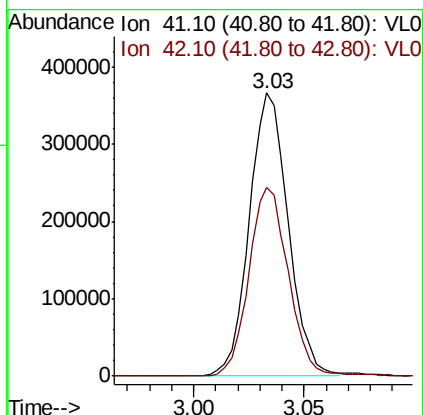
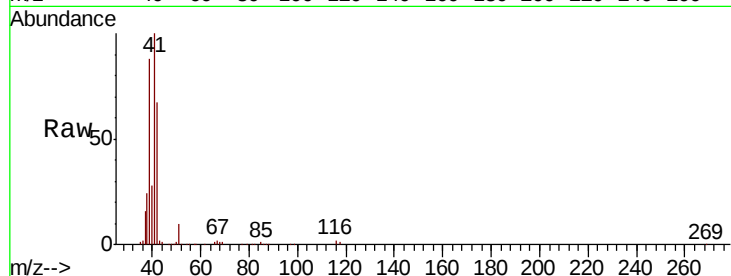
#9
 Propene
 Concen: 10.485 ppbv
 RT: 3.03 min Scan# 30
 Delta R.T. 0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Tot Ion	41	Resp	449850
Ion Ratio	Lower	Upper	
41	100		
42	68.2	56.1	84.1

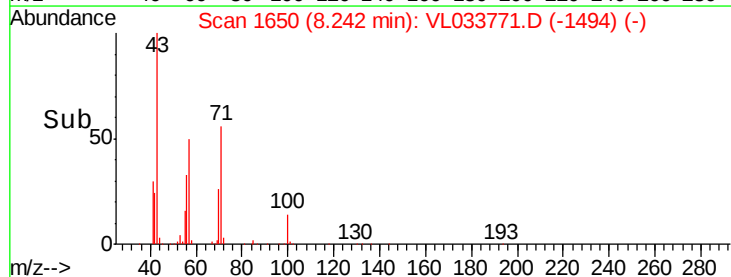
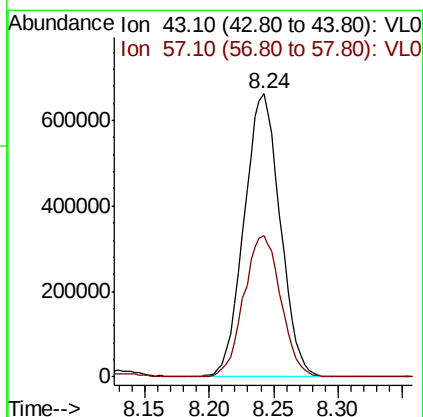
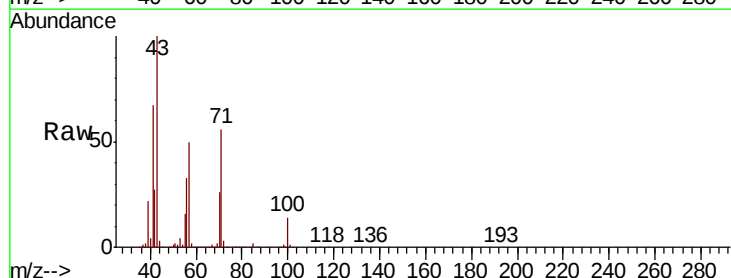
Manual Integrations
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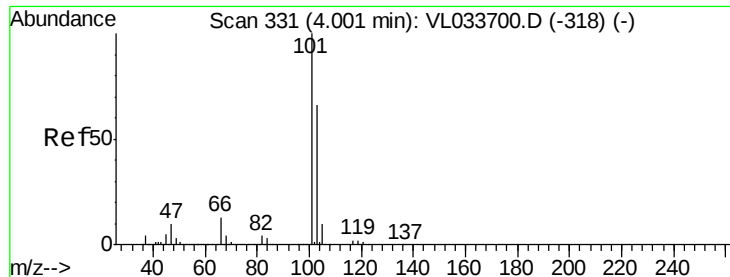
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#10
 Heptane
 Concen: 10.583 ppbv
 RT: 8.24 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: VL033771.D
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Tgt Ion	43	Resp	1285843
Ion Ratio	Lower	Upper	
43	100		
57	51.3	41.4	62.0





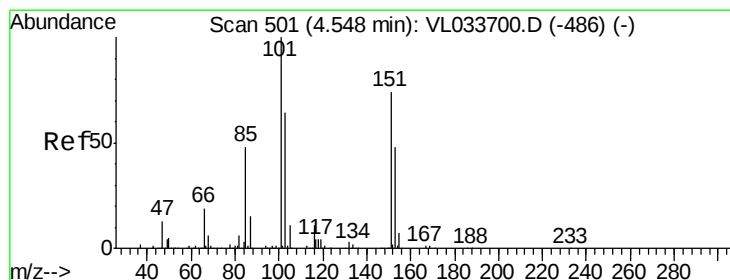
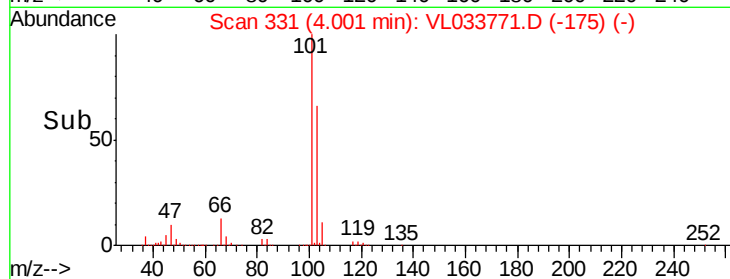
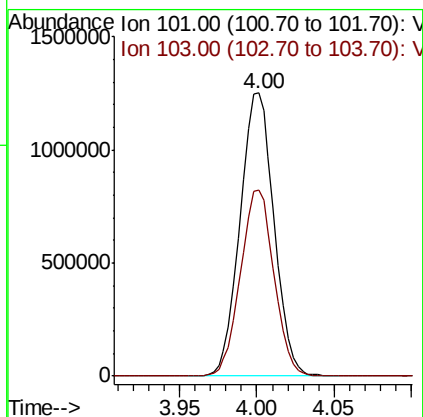
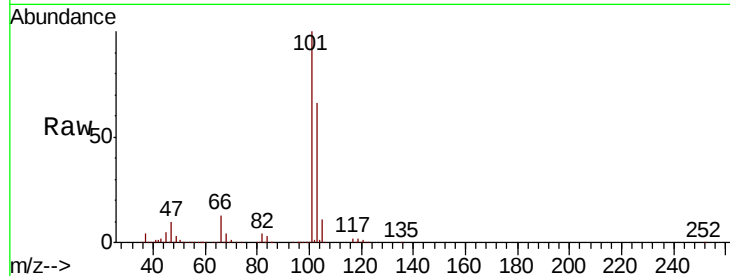
#11
 Trichlorofluoromethane
 Concen: 10.777 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Tot Ion:101 Resp: 1908935
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 78.8

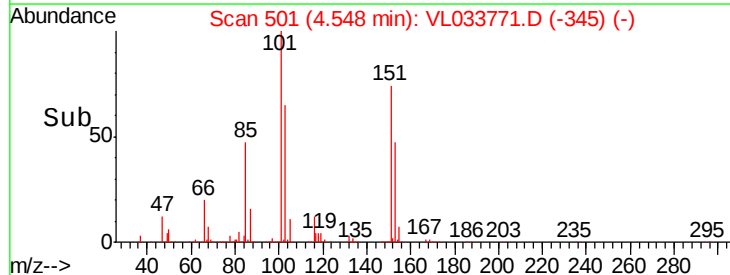
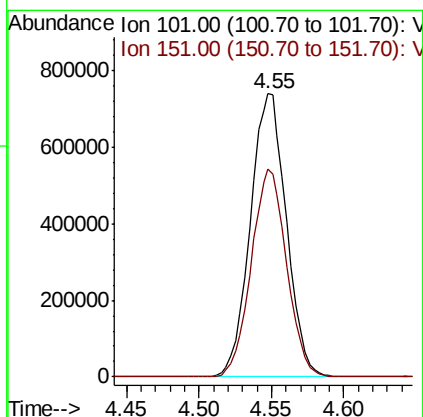
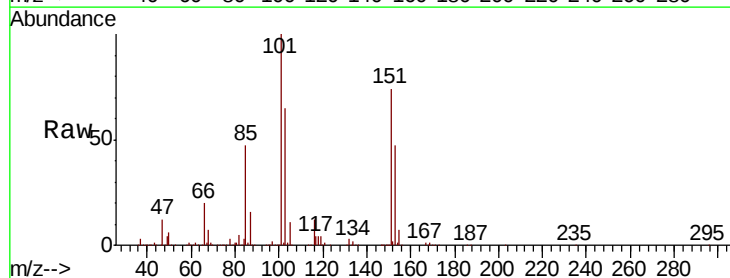
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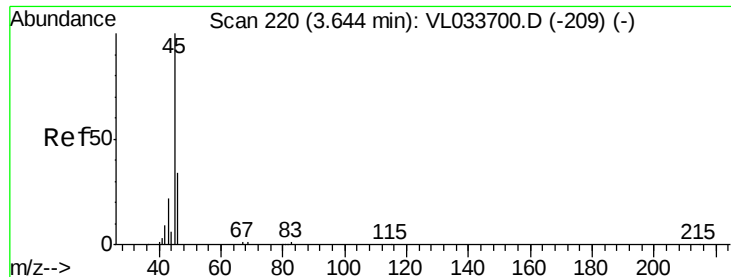
MMDadoda
 5/28/2019 2:53:18 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.334 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Tgt Ion:101 Resp: 1278283
 Ion Ratio Lower Upper
 101 100
 151 72.0 58.2 87.4





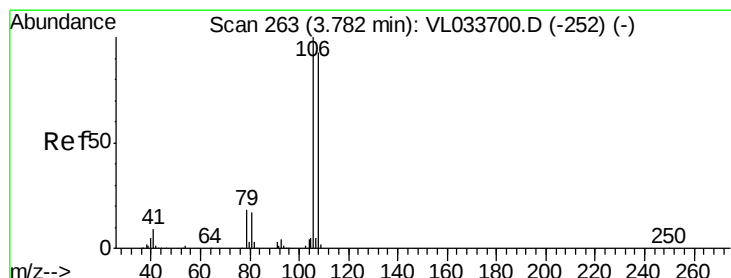
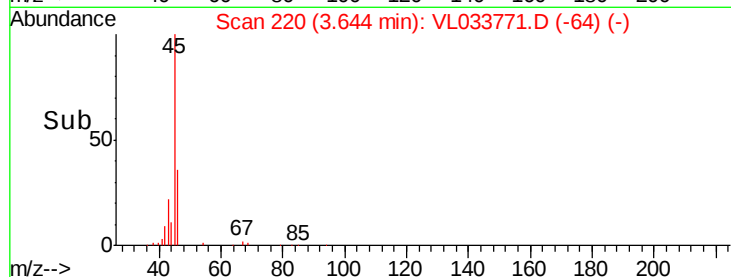
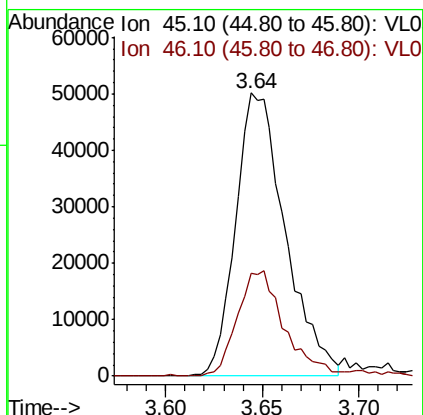
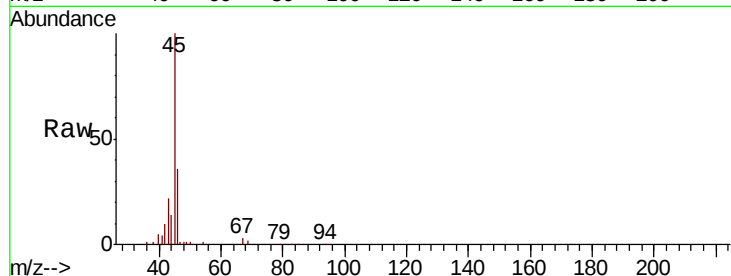
#13
Ethanol
Concen: 6.454 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tot Ion	45	46	Ratio	Lower	Upper
Resp:	89505				
Ion	45	46	100	36.8	59.0

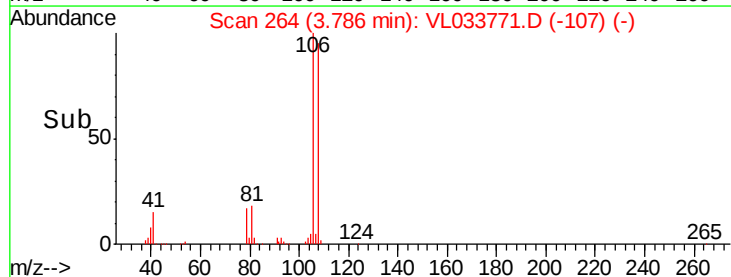
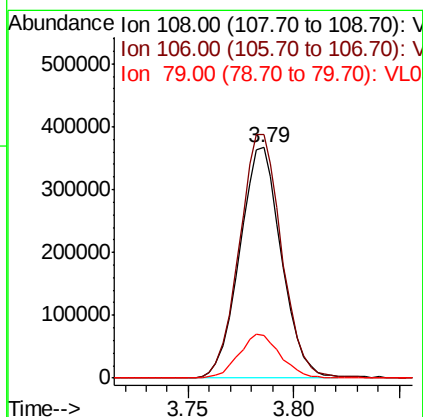
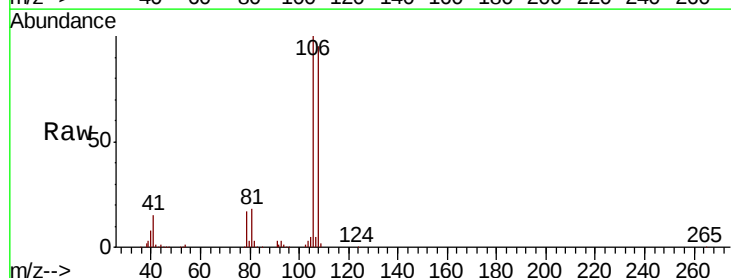
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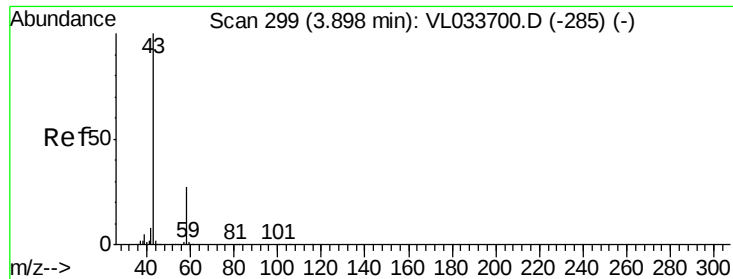
MMDadoda
5/28/2019 2:53:18 AM



#14
Bromoethene
Concen: 11.102 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion	108	106	79	Ratio	Lower	Upper
Resp:	504833					
Ion	108	106	79	100	107.5	129.7
					86.5	22.7
					15.1	





#15

Acetone

Concen: 9.700 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 43 Resp: 1185151

Ion Ratio Lower Upper

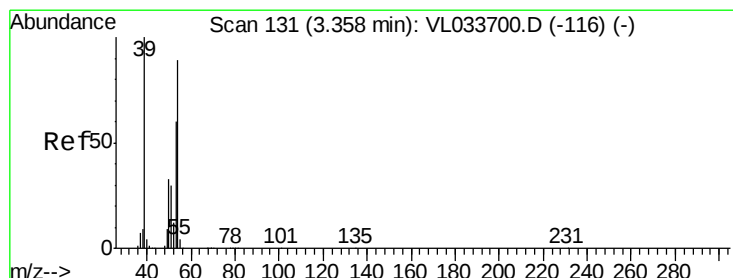
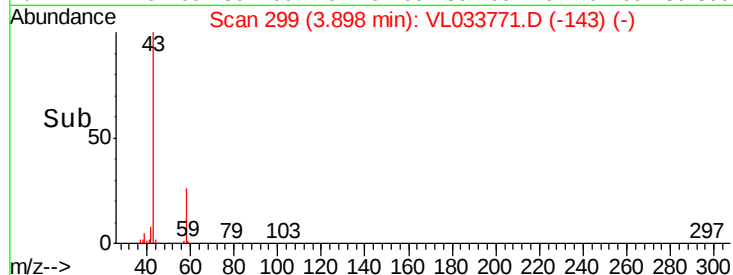
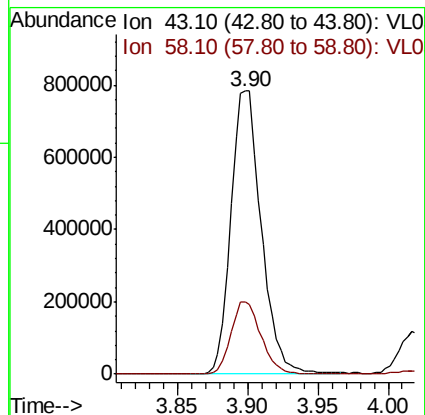
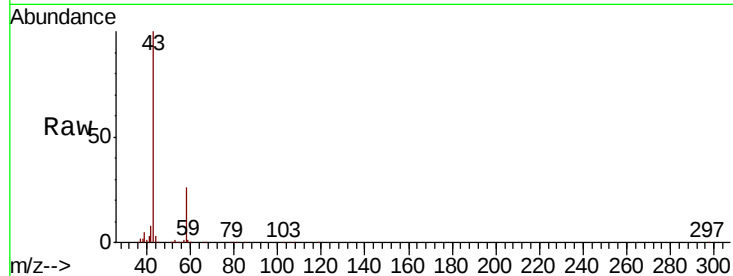
43 100

58 25.3 21.3 31.9

Manual Integrations
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#16

1,3-Butadiene

Concen: 11.227 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL033771.D

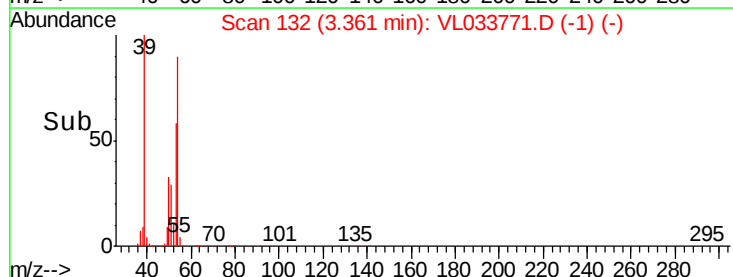
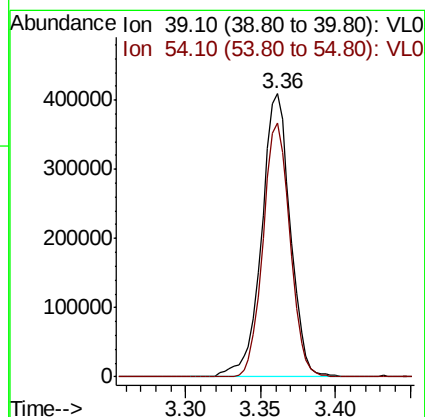
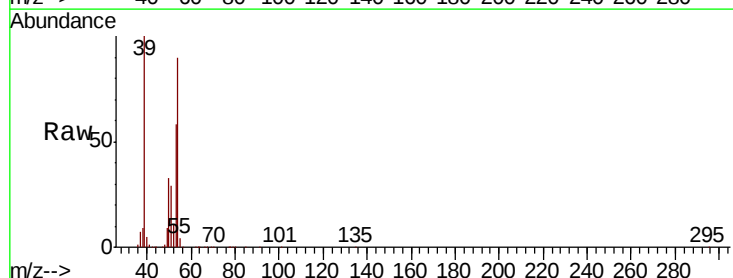
Acq: 23 May 2019 12:37

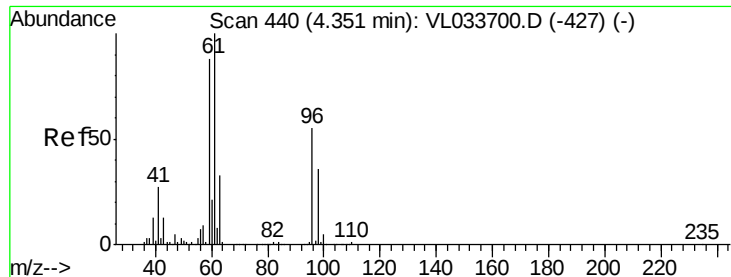
Tgt Ion: 39 Resp: 546240

Ion Ratio Lower Upper

39 100

54 84.8 69.0 103.6





#17

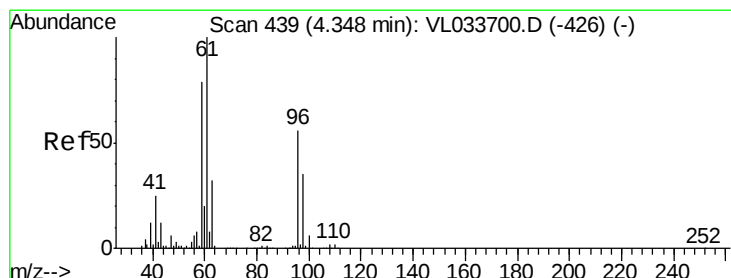
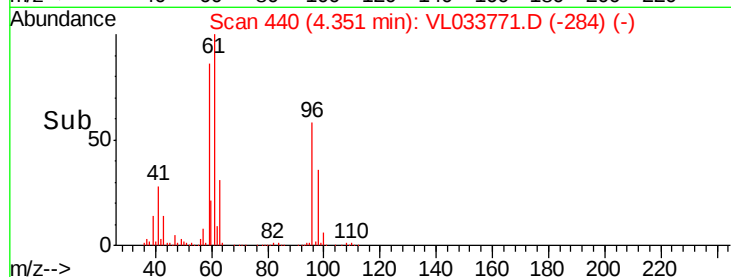
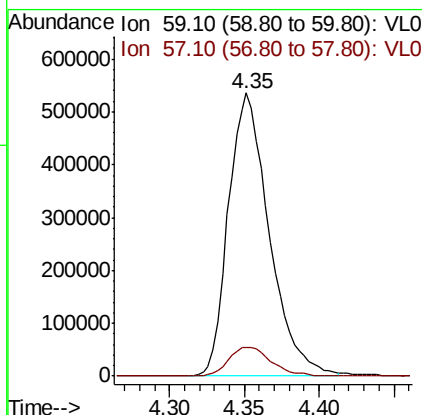
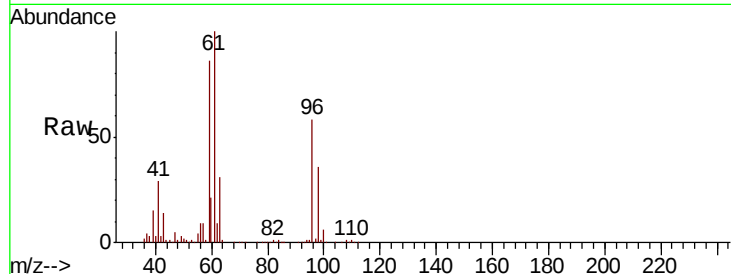
tert-Butyl alcohol
 Concen: 10.292 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Tot Ion: 59 Resp: 1016796
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6

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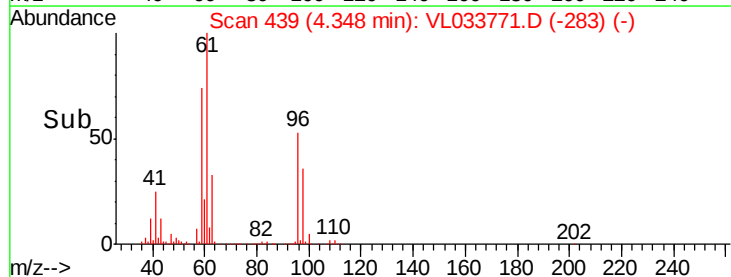
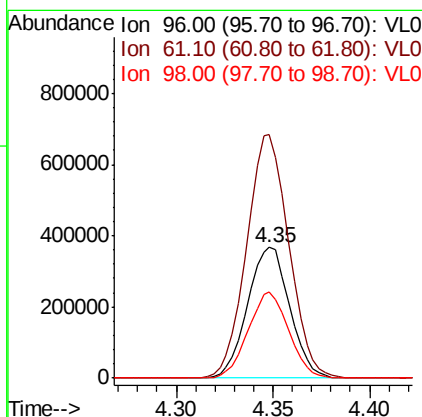
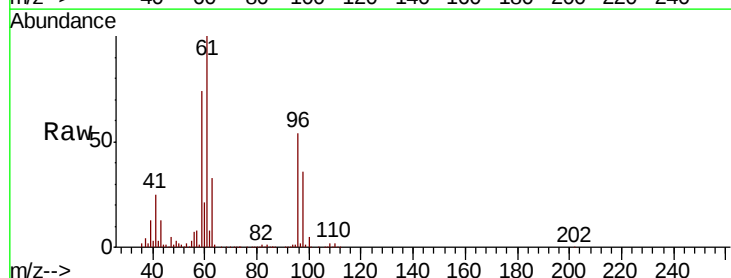
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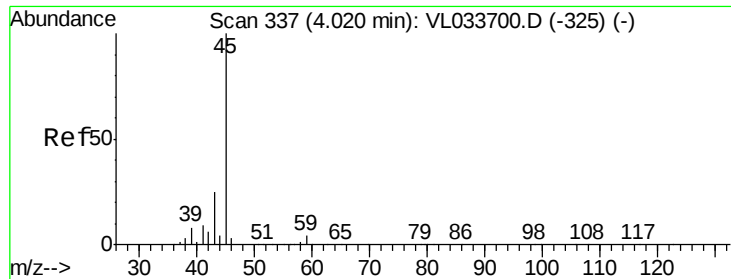


#18

1,1-Dichloroethene
 Concen: 10.672 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Tgt Ion: 96 Resp: 557152
 Ion Ratio Lower Upper
 96 100
 61 186.6 143.1 214.7
 98 66.5 49.5 74.3





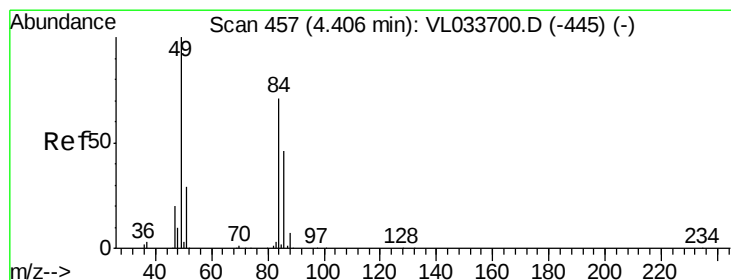
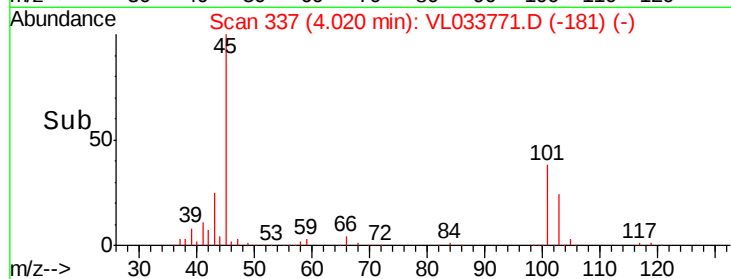
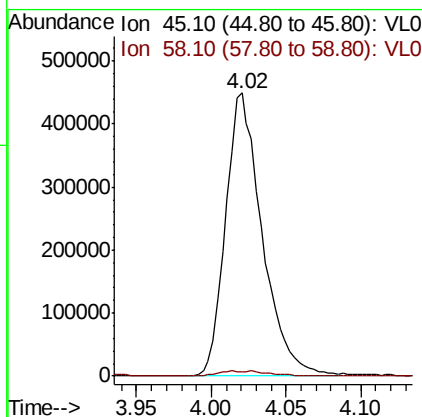
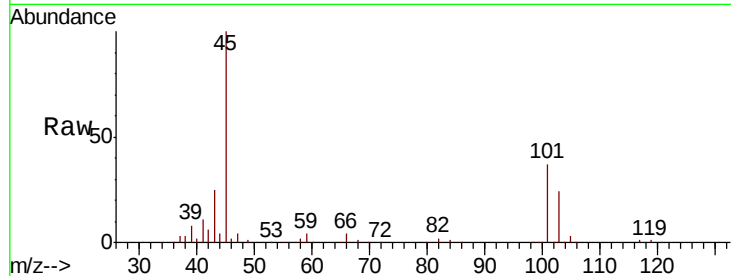
#19
Isopropyl Alcohol
Concen: 9.680 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tot Ion: 45 Resp: 762588
Ion Ratio Lower Upper
45 100
58 2.8 1.6 2.4#

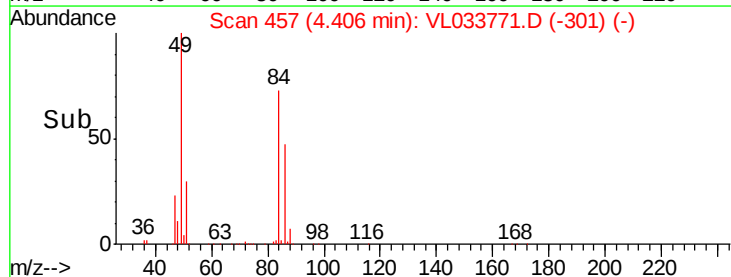
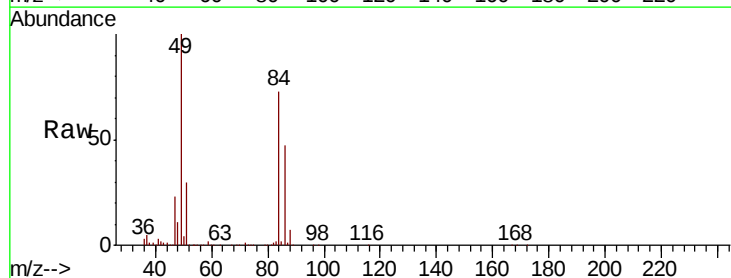
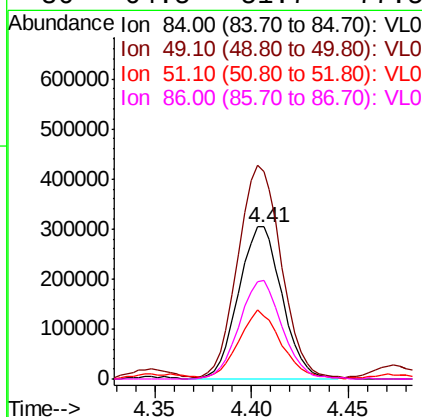
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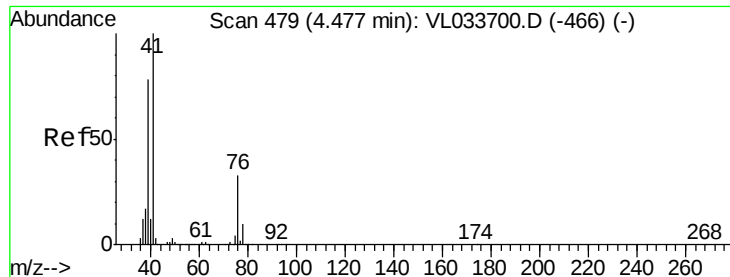
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#20
Methylene Chloride
Concen: 10.041 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 84 Resp: 472352
Ion Ratio Lower Upper
84 100
49 135.8 112.8 169.2
51 40.9 33.4 50.0
86 64.5 51.7 77.5





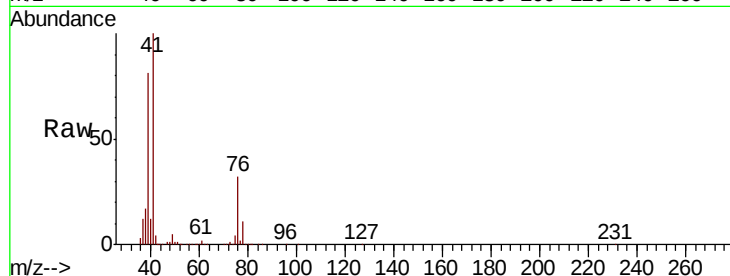
#21
Allvl Chloride
Concen: 10.763 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

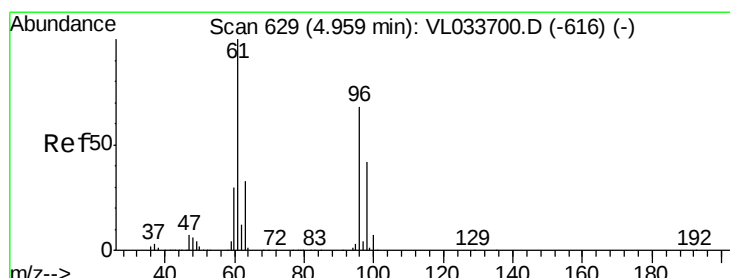
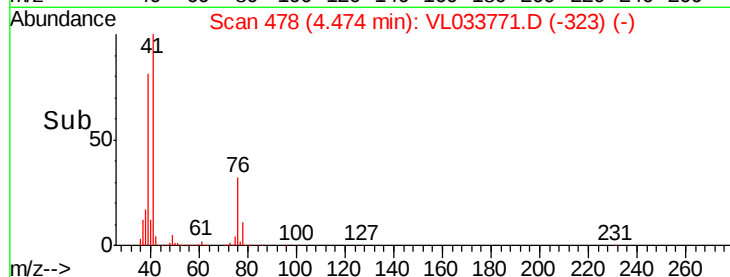
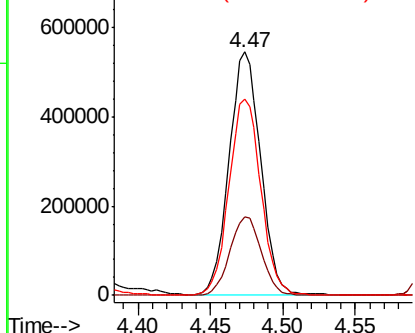
Tot Ion	Ratio	Lower	Upper
41	100		
76	32.3	25.9	38.9
39	81.5	64.6	97.0

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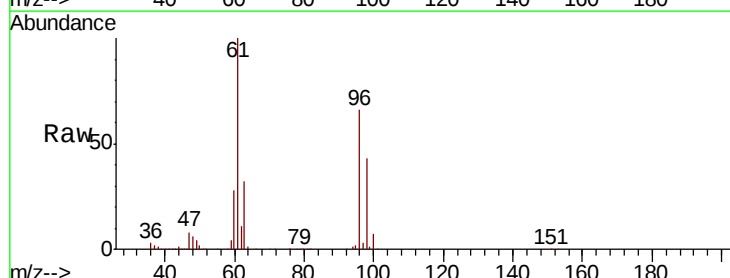


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

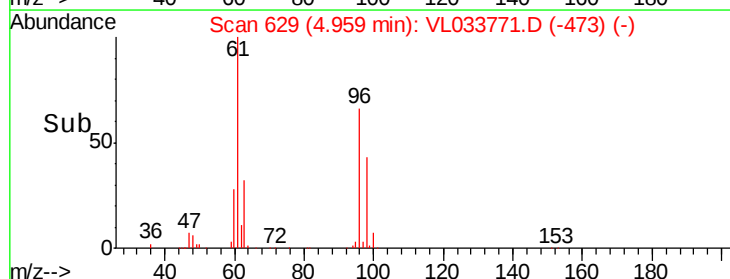
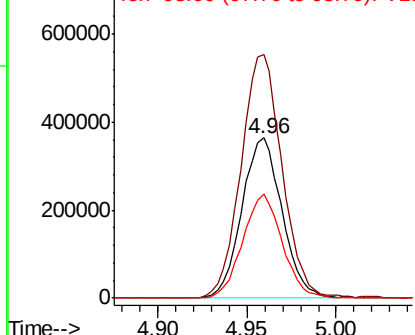


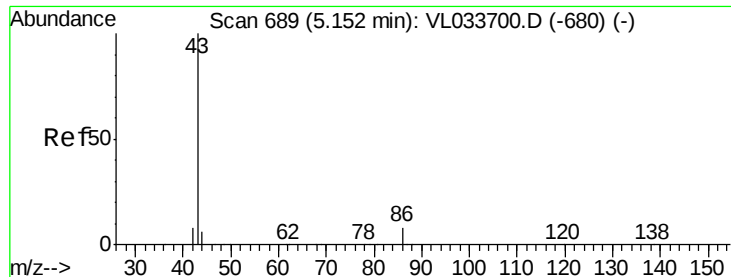
#22
trans-1,2-Dichloroethene
Concen: 10.719 ppbv
RT: 4.96 min Scan# 629
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.2	116.8	175.2
98	64.8	49.4	74.0



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





#23

Vinyl Acetate

Concen: 10.802 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 43 Resp: 1740210

Ion Ratio Lower Upper

43 100

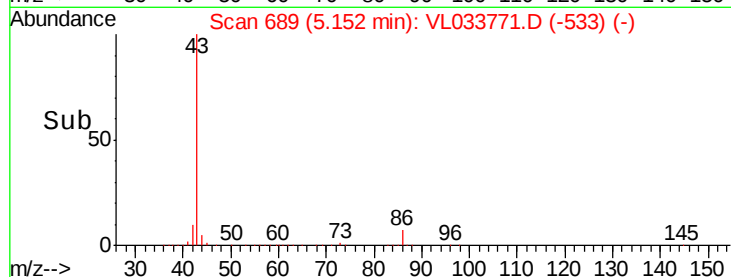
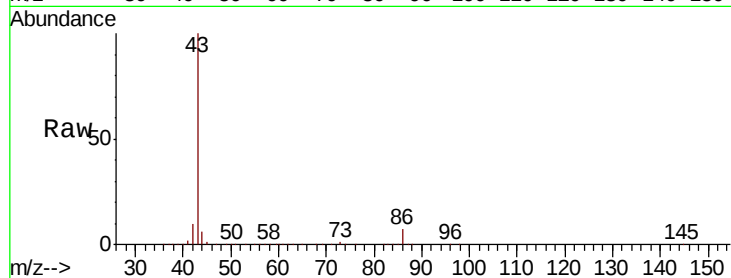
86 7.3 6.0 9.0

42 10.0 7.5 11.3

44 5.4 4.4 6.6

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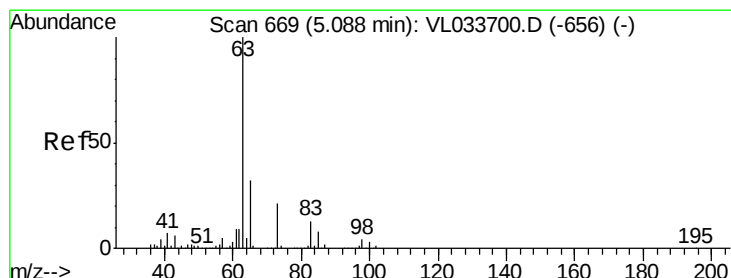
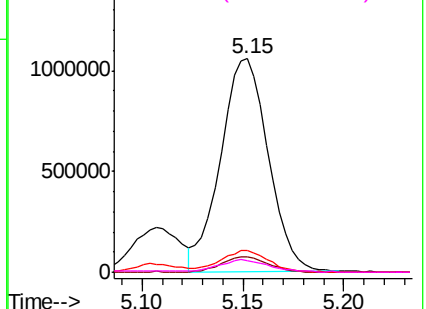


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.120 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

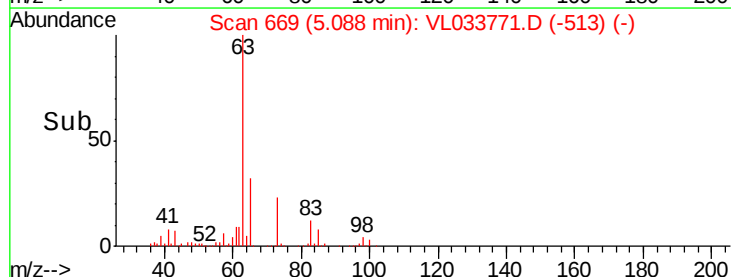
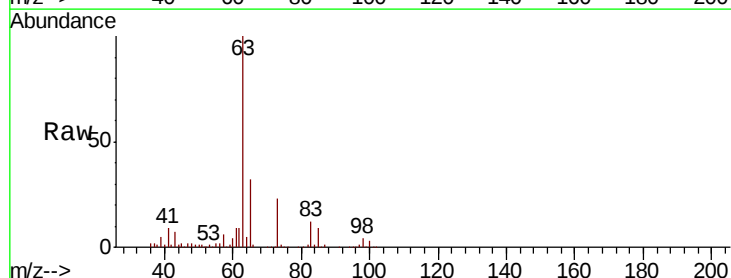
Tgt Ion: 63 Resp: 1239338

Ion Ratio Lower Upper

63 100

98 4.3 1.8 5.5

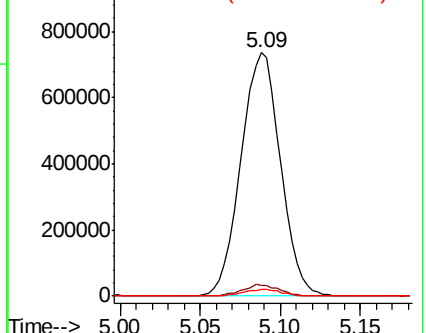
100 2.6 1.4 4.2

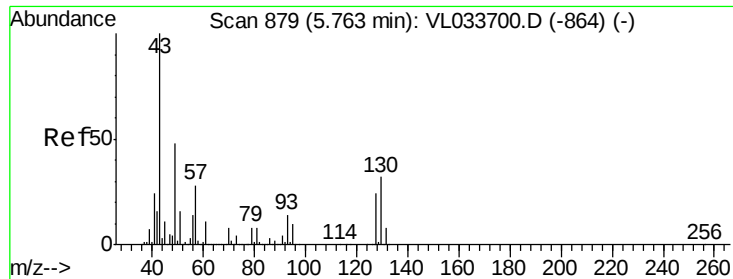


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





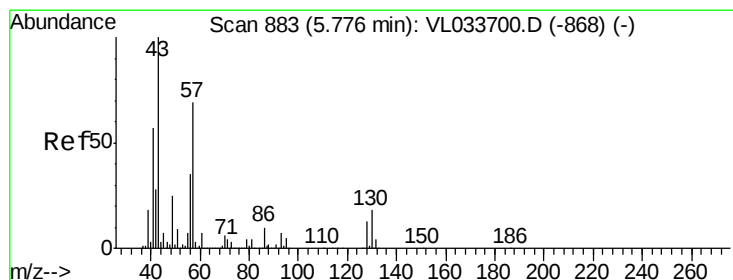
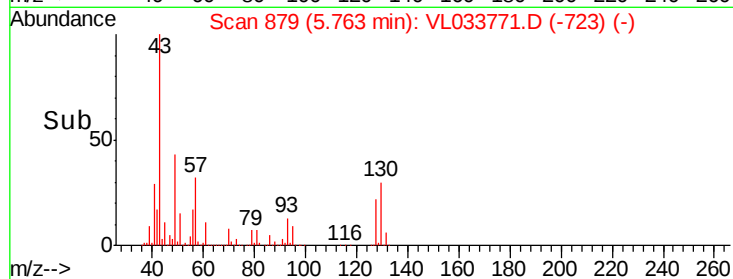
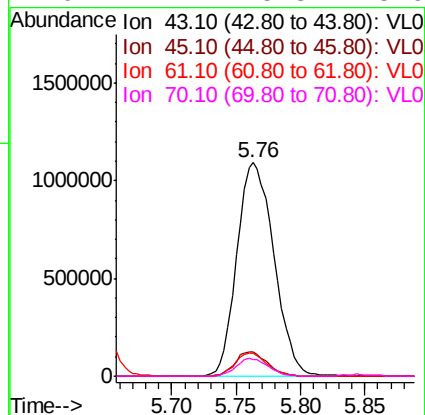
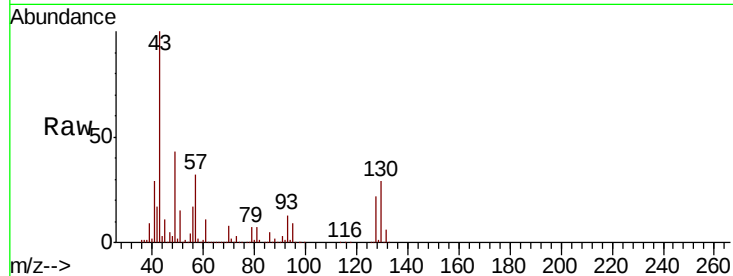
#25
Ethyl Acetate
Concen: 10.167 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	7.9	11.9	
61	9.5	7.7	11.5	
70	7.2	5.8	8.6	

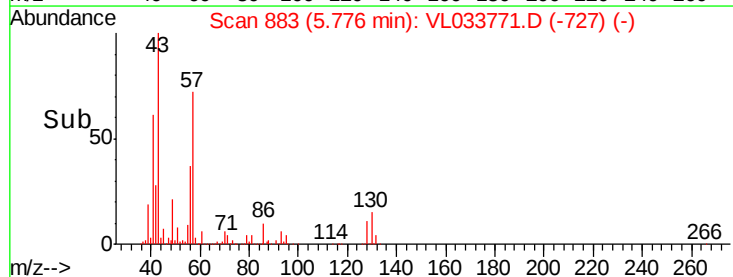
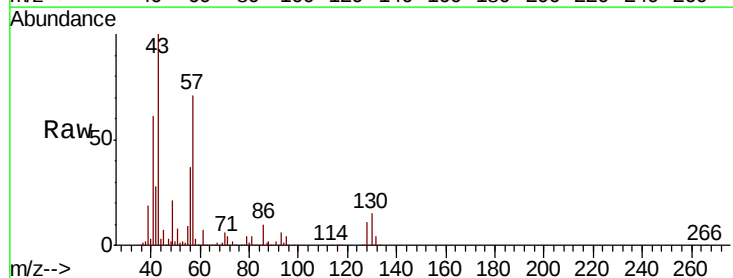
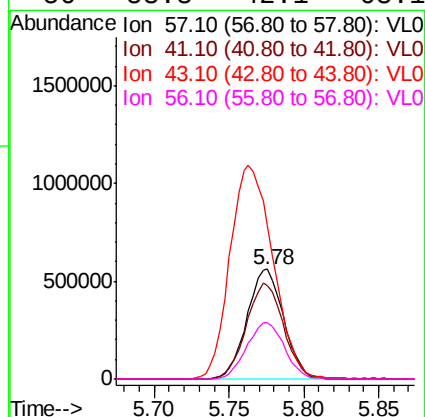
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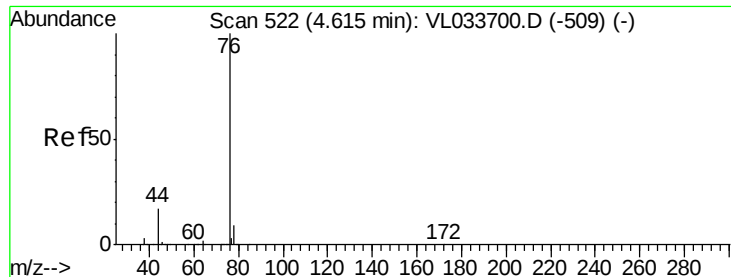
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#26
Hexane
Concen: 10.342 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	89.5	69.8	104.6	
43	230.2	181.8	272.6	
56	53.3	42.1	63.1	





#27

Carbon Disulfide

Concen: 11.198 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 76 Resp: 1417550

Ion Ratio Lower Upper

76 100

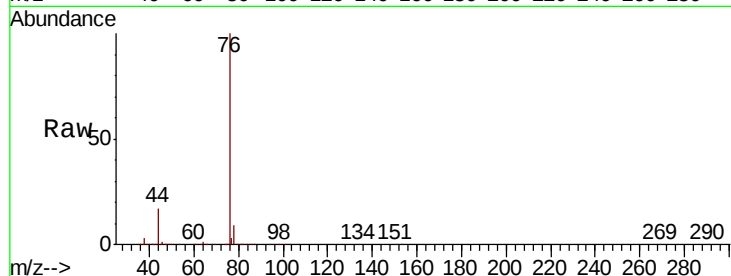
44 17.6 13.8 20.8

78 9.3 7.4 11.0

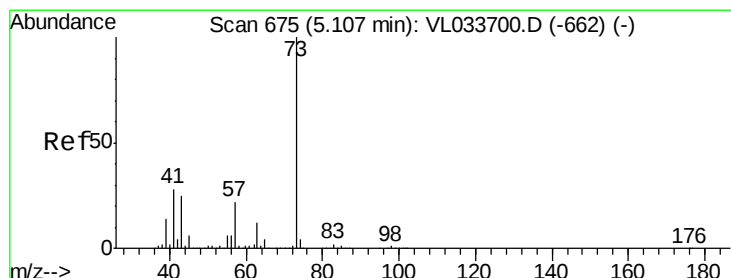
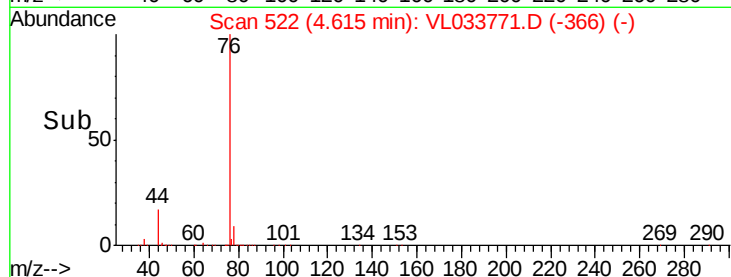
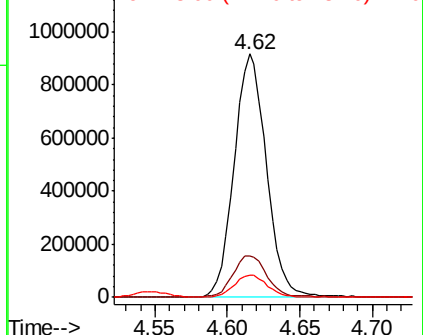
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.406 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033771.D

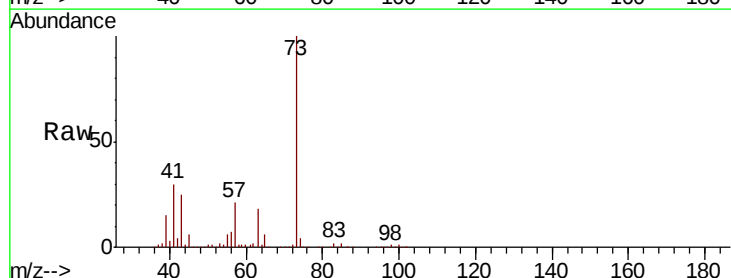
Acq: 23 May 2019 12:37

Tgt Ion: 73 Resp: 1565313

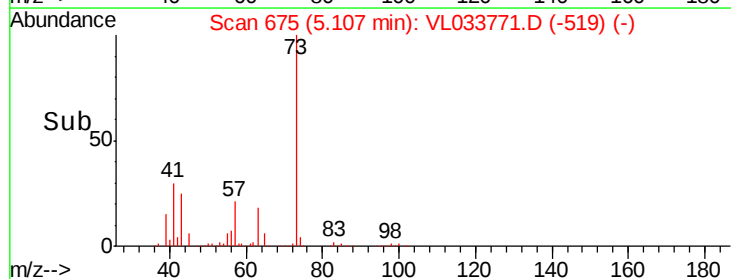
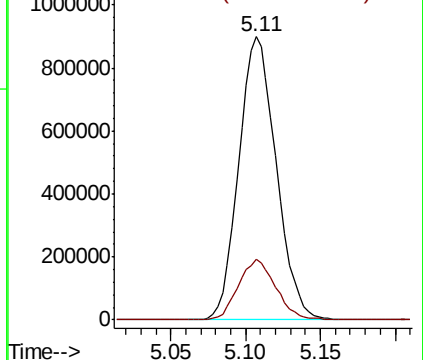
Ion Ratio Lower Upper

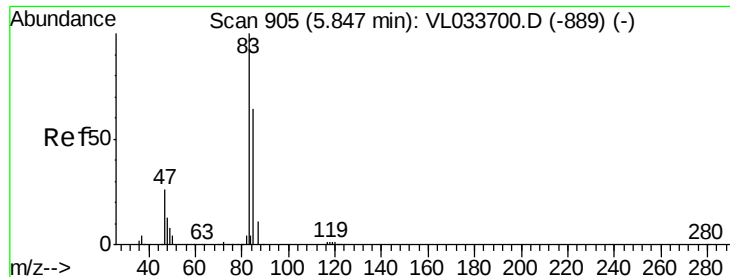
73 100

57 21.5 17.4 26.2



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





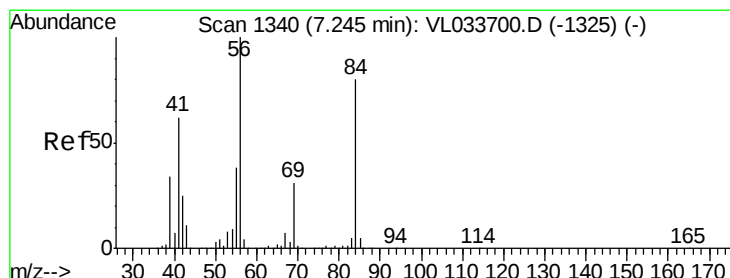
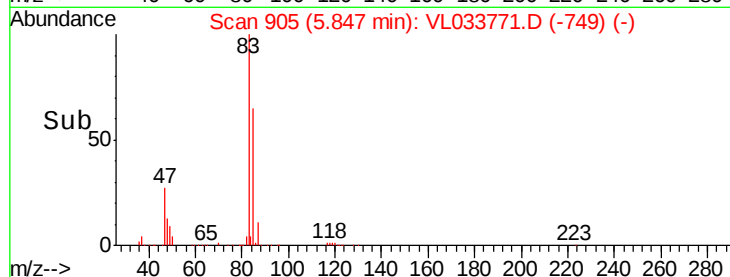
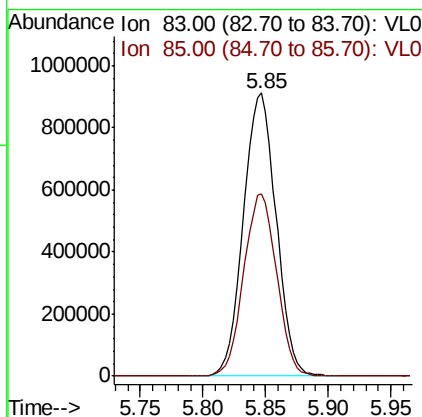
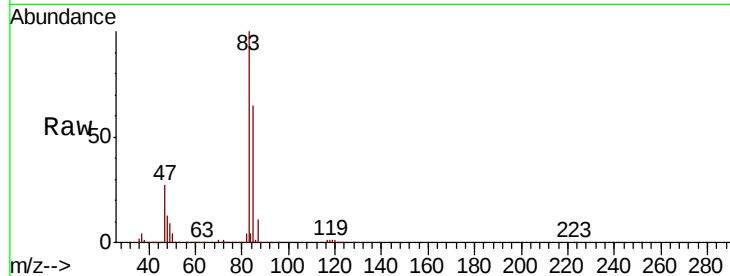
#29
Chloroform
Concen: 9.756 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tot Ion: 83 Resp: 1658208
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3

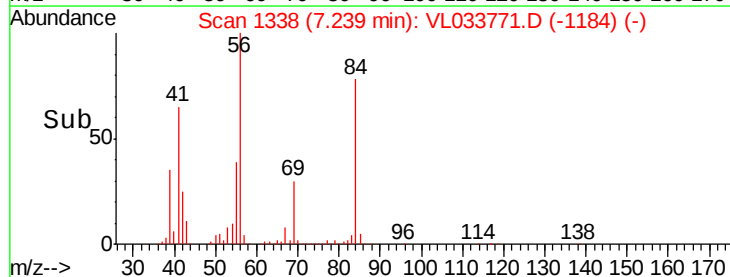
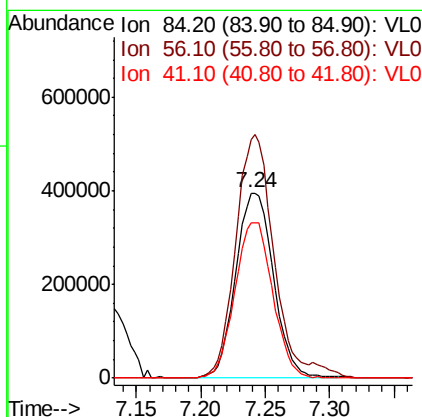
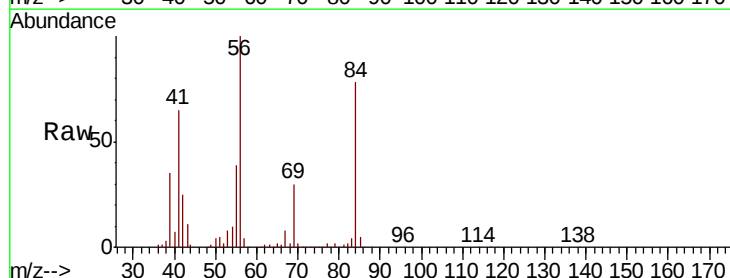
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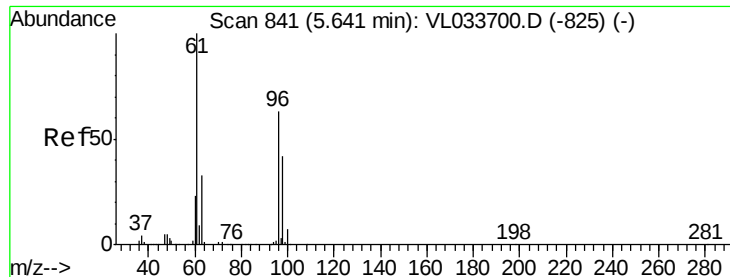
MMDadoda
5/28/2019 2:53:18 AM



#30
Cyclohexane
Concen: 10.384 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 84 Resp: 805562
Ion Ratio Lower Upper
84 100
56 134.3 107.7 161.5
41 84.1 66.0 99.0





#31

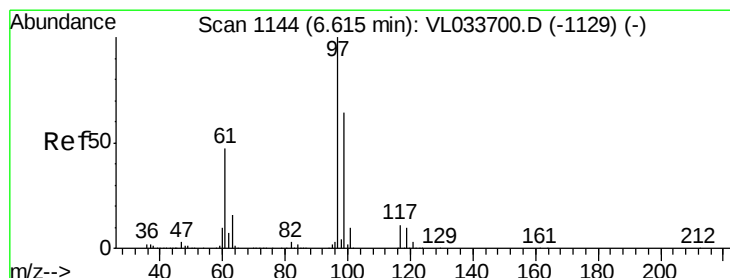
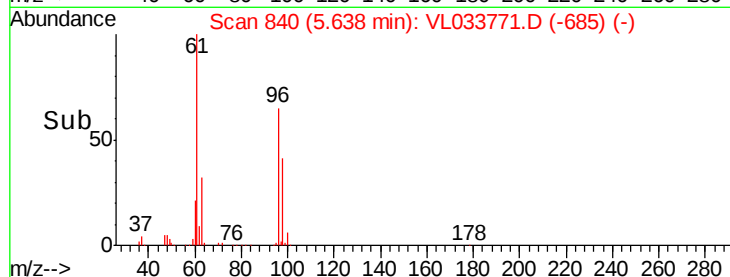
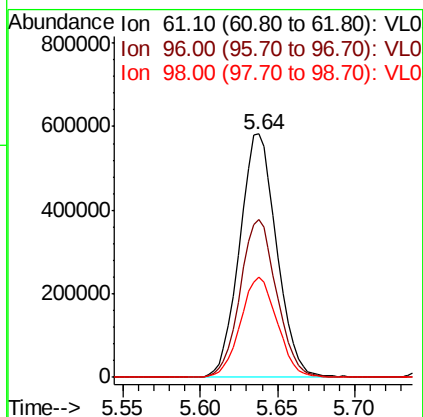
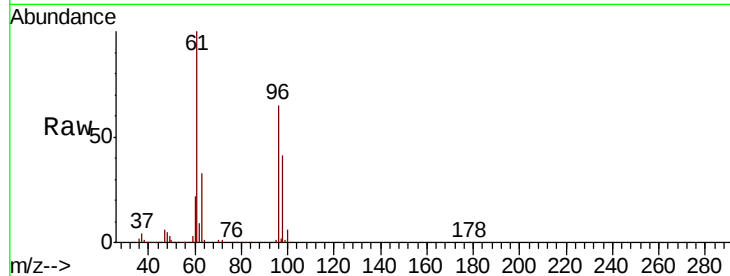
cis-1,2-Dichloroethene
 Concen: 10.622 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.9	50.8	76.2
98	41.2	33.3	49.9

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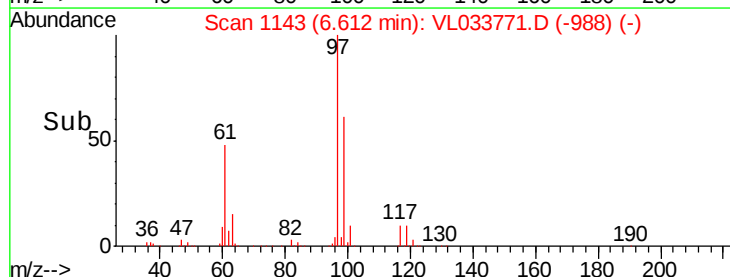
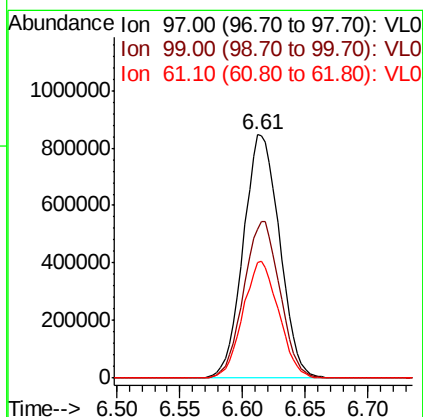
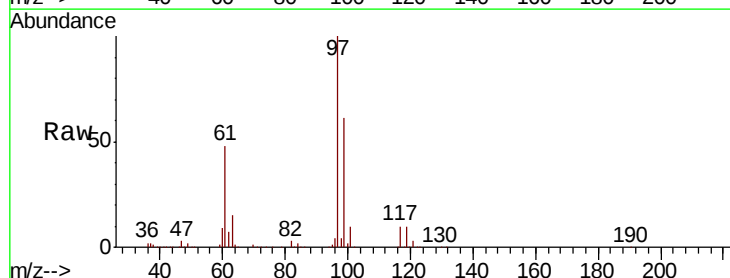
MMDadoda
 5/28/2019 2:53:18 AM

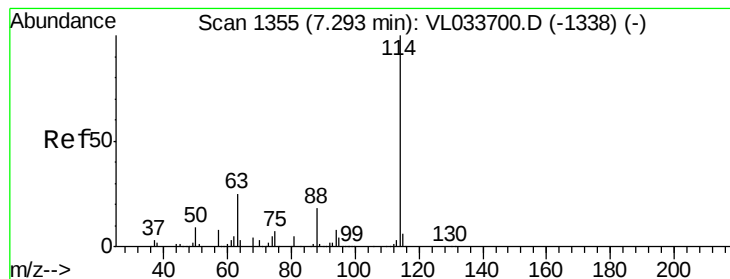


#32

1,1,1-Trichloroethane
 Concen: 10.035 ppbv
 RT: 6.61 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	47.6	37.8	56.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion:114 Resp: 2067996

Ion Ratio Lower Upper

114 100

63 26.9 20.9 31.3

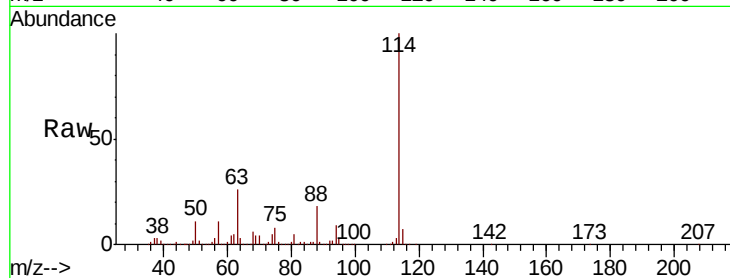
88 18.0 14.3 21.5

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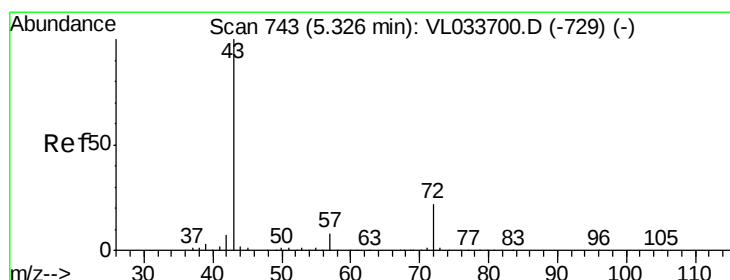
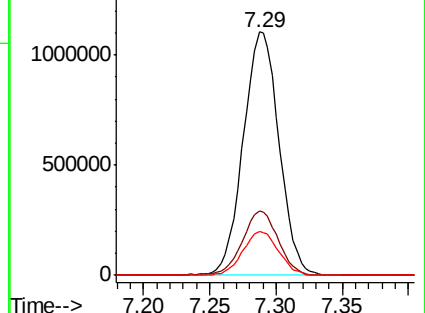
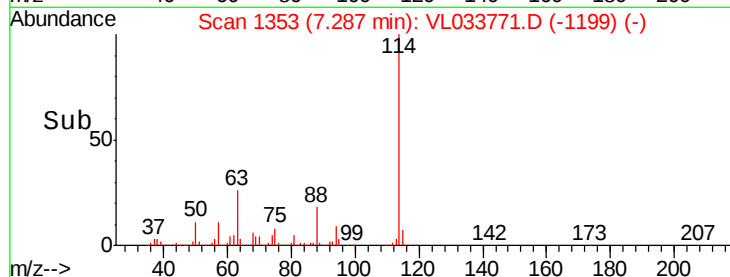
5/28/2019 2:53:18 AM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 11.022 ppbv

RT: 5.32 min Scan# 742

Delta R.T. -0.00 min

Lab File: VL033771.D

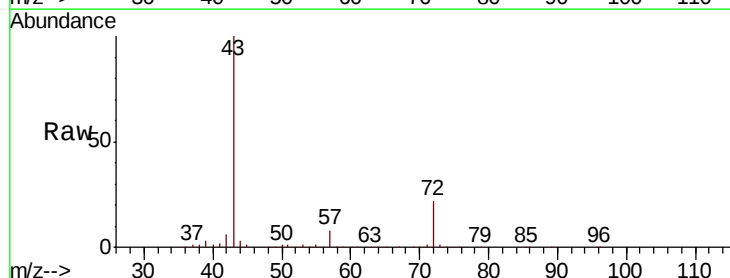
Acq: 23 May 2019 12:37

Tgt Ion: 43 Resp: 1412806

Ion Ratio Lower Upper

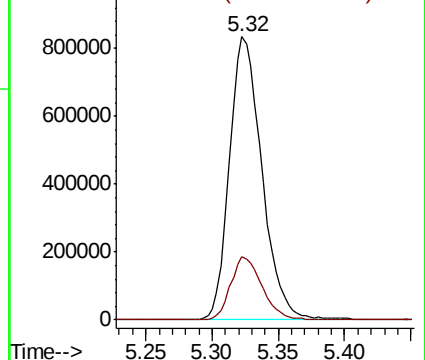
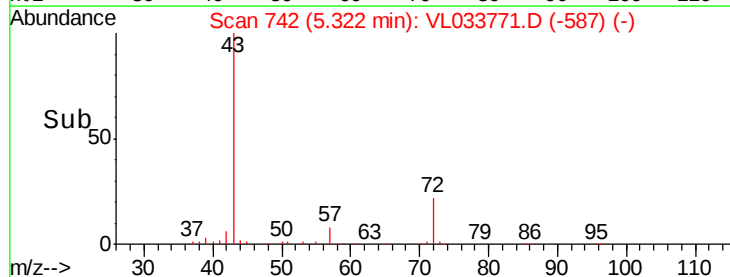
43 100

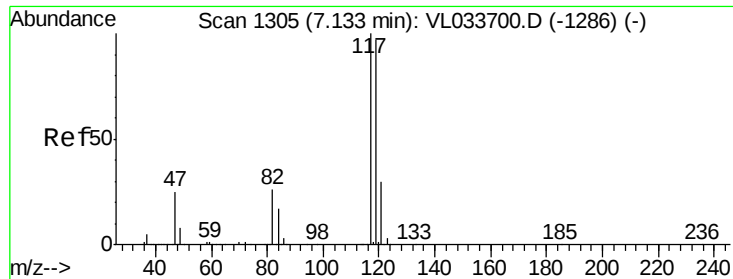
72 21.7 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.117 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion:117 Resp: 1841536

Ion Ratio Lower Upper

117 100

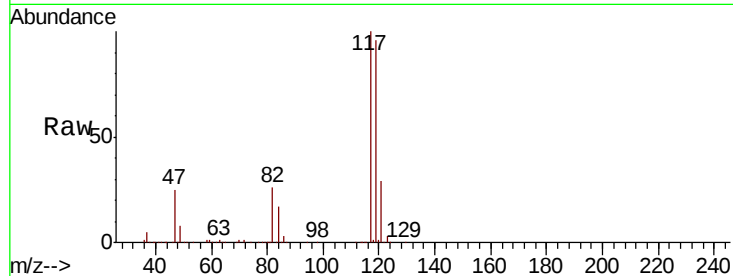
119 95.7 77.2 115.8

121 29.4 24.1 36.1

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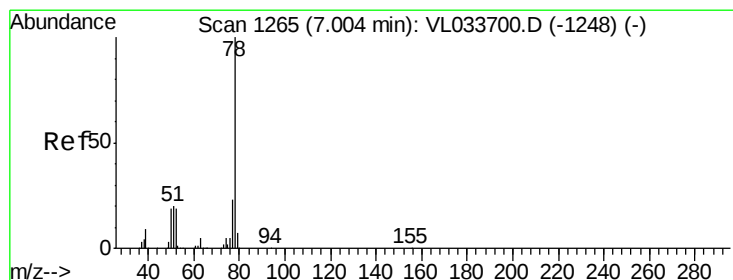
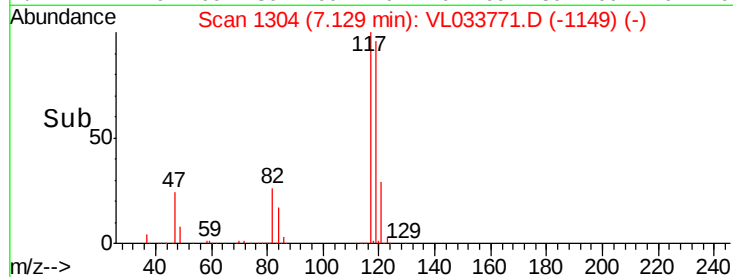
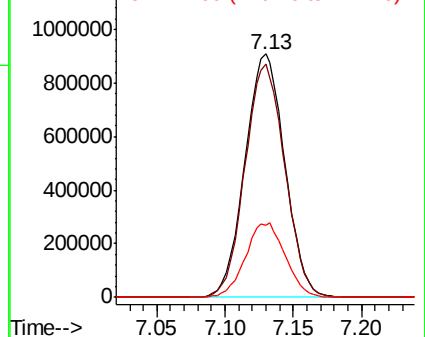


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.401 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

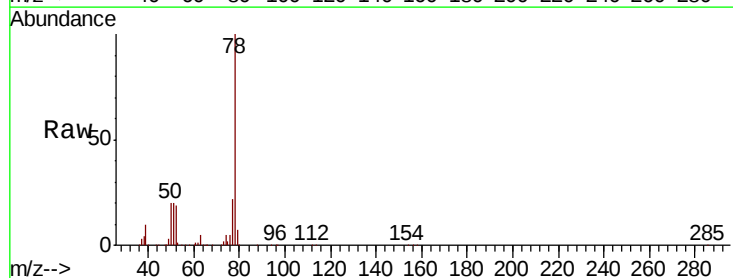
Tgt Ion: 78 Resp: 1956538

Ion Ratio Lower Upper

78 100

77 22.2 18.4 27.6

50 19.9 15.5 23.3

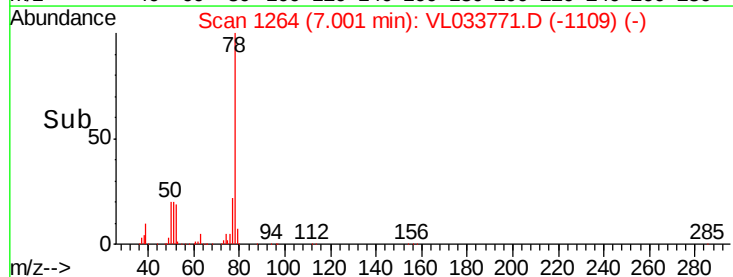
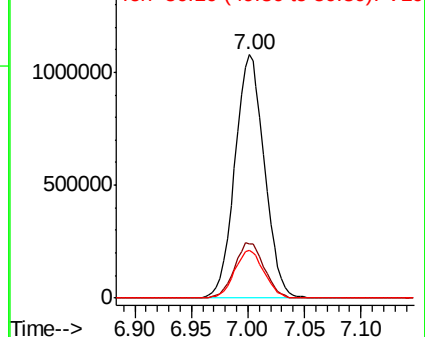


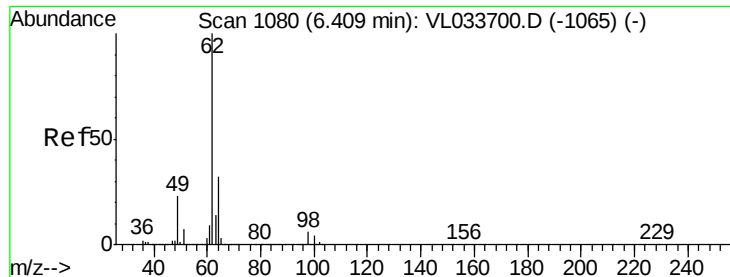
Abundance

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





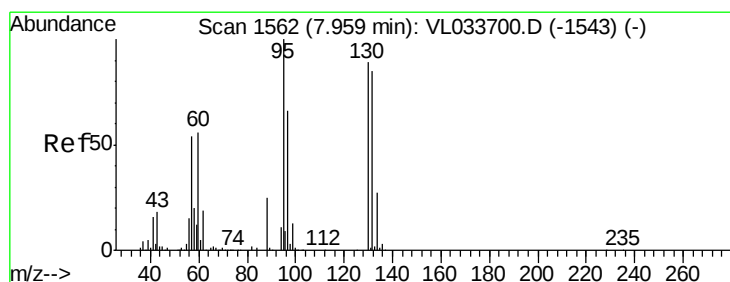
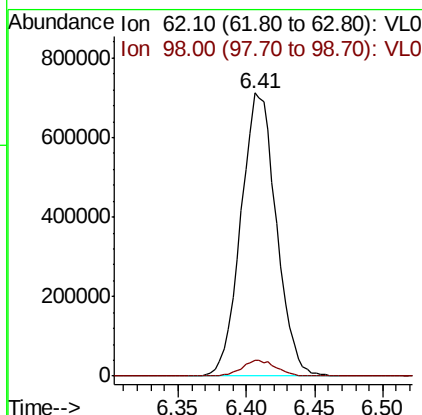
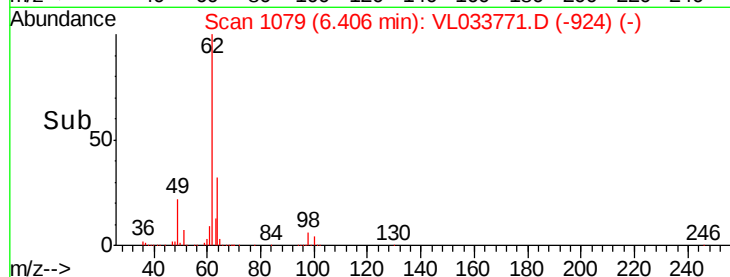
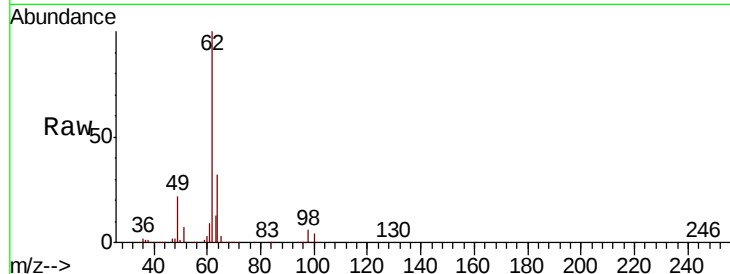
#37
 1,2-Dichloroethane
 Concen: 10.582 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Tot Ion: 62 Resp: 1284086
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7

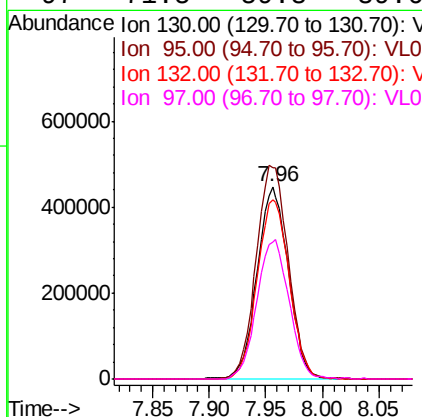
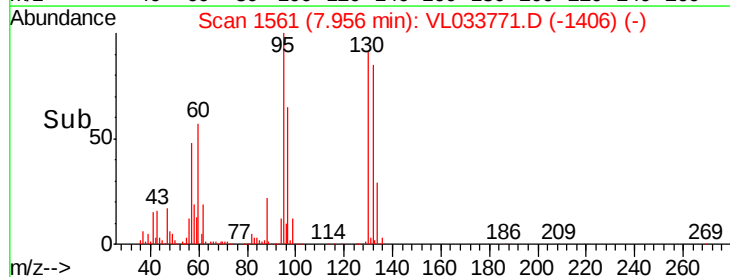
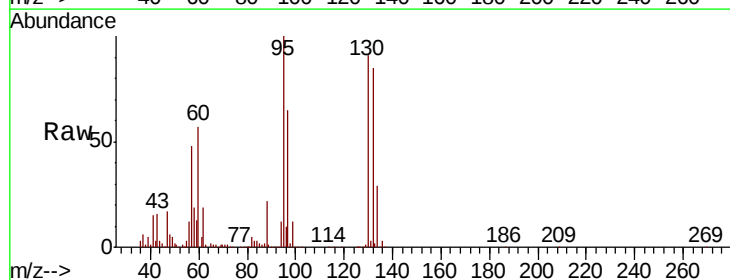
Manual Integrations
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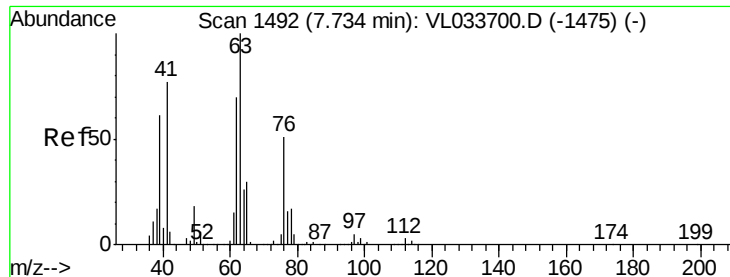
MMDadoda
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#38
 Trichloroethene
 Concen: 12.318 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Tgt Ion:130 Resp: 859824
 Ion Ratio Lower Upper
 130 100
 95 109.9 90.2 135.4
 132 93.3 76.4 114.6
 97 71.5 59.8 89.6





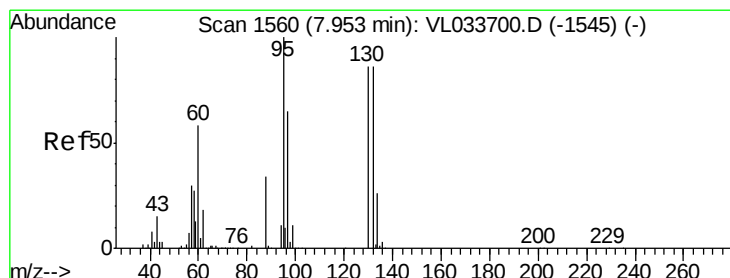
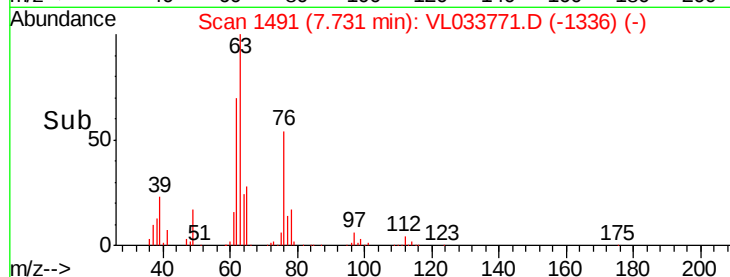
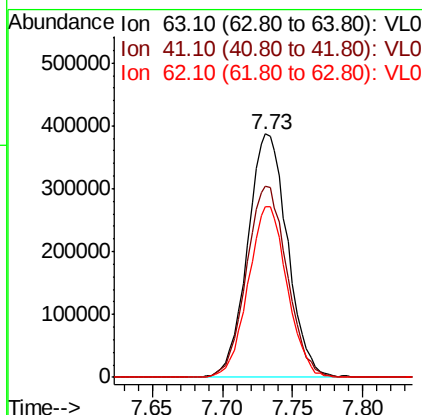
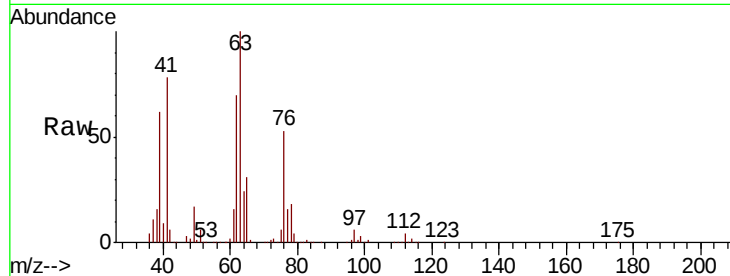
#39
 1,2-Dichloropropane
 Concen: 10.885 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Tot Ion:	63	Resp:	763429
Ion	Ratio	Lower	Upper
63	100		
41	78.3	61.5	92.3
62	69.9	56.2	84.4

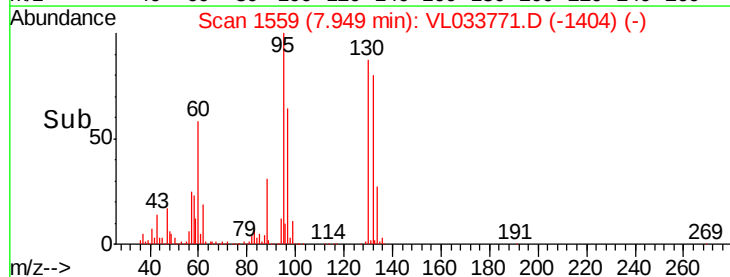
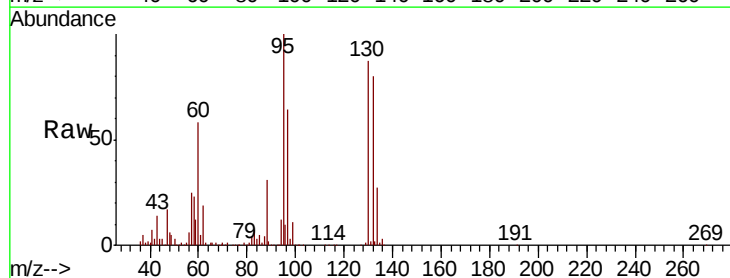
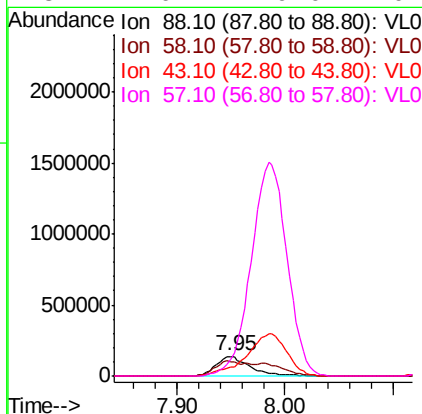
Manual Integrations
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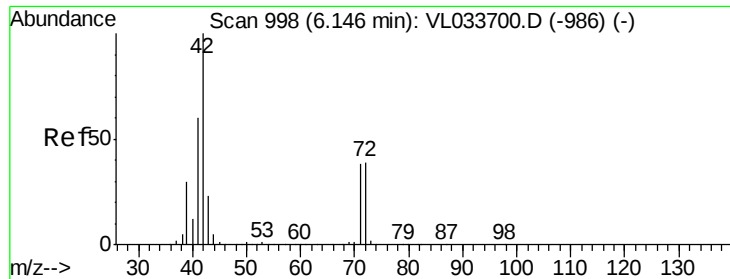
MMDadoda
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#40
 1,4-Dioxane
 Concen: 10.145 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Tgt Ion:	88	Resp:	297630
Ion	Ratio	Lower	Upper
88	100		
58	128.5	101.8	152.6
43	258.4	0.0	0.0#
57	1170.1	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.873 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

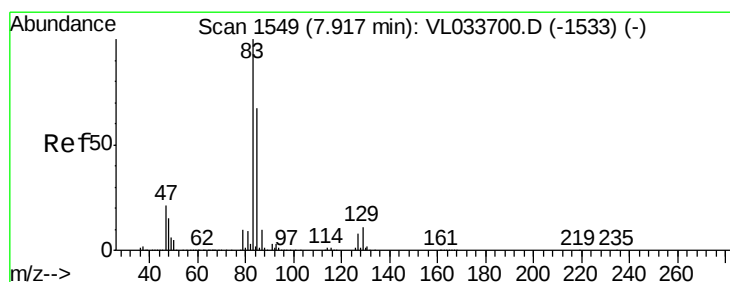
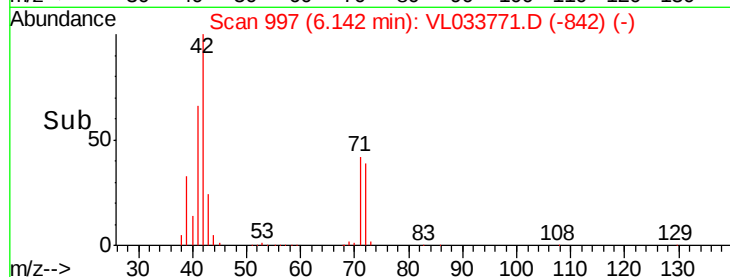
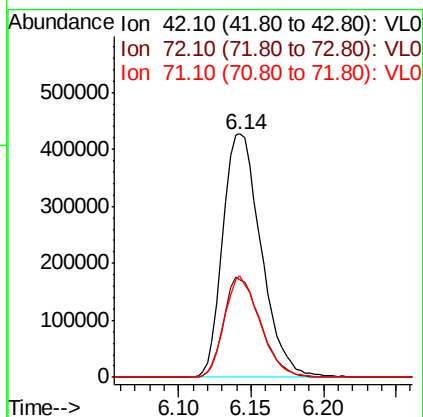
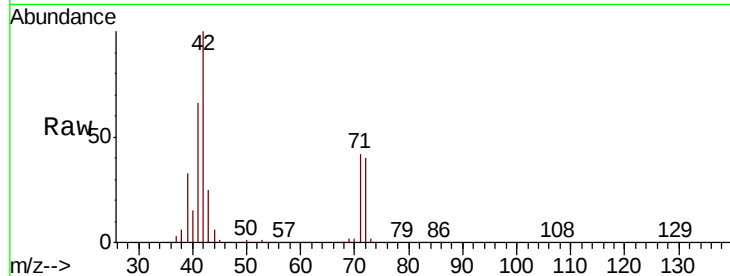
ClientSampleId :

VL0523ABS01

Tot Ion:	42	Resp:	780911
Ion Ratio	Lower	Upper	
42	100		
72	39.8	32.0	48.0
71	39.1	30.4	45.6

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#42

Bromodichloromethane

Concen: 11.393 ppbv

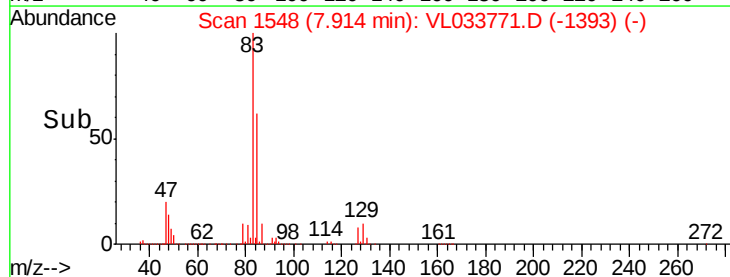
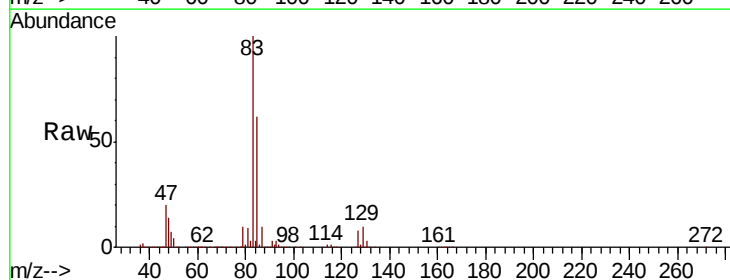
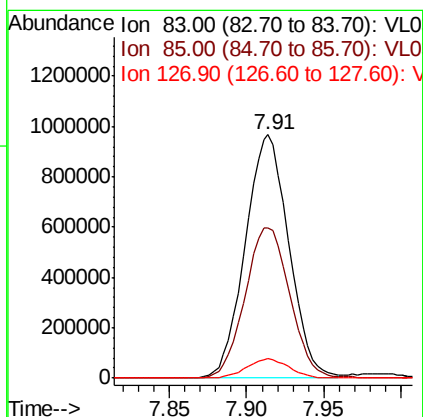
RT: 7.91 min Scan# 1548

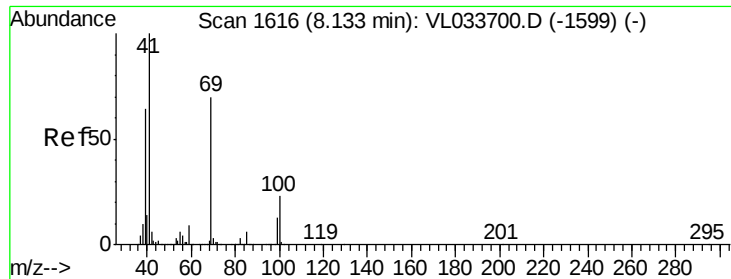
Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Tgt Ion:	83	Resp:	1892622
Ion Ratio	Lower	Upper	
83	100		
85	61.6	53.3	79.9
127	8.1	6.5	9.7





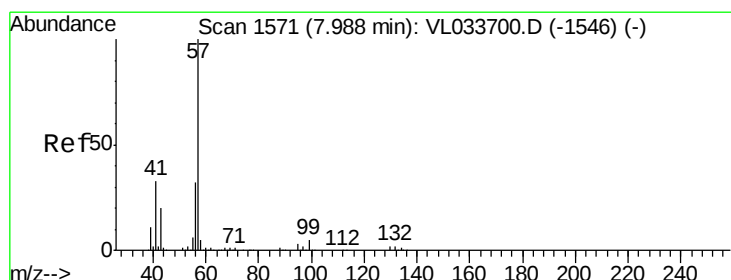
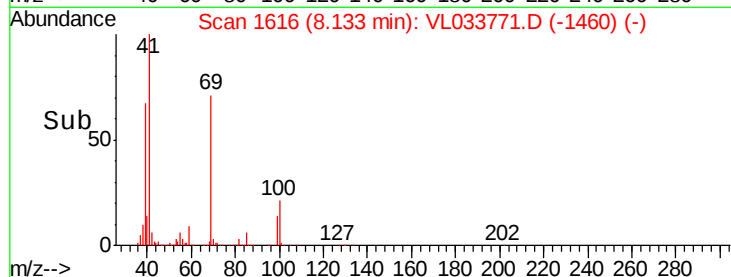
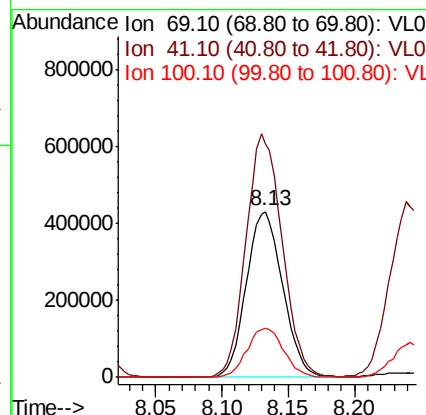
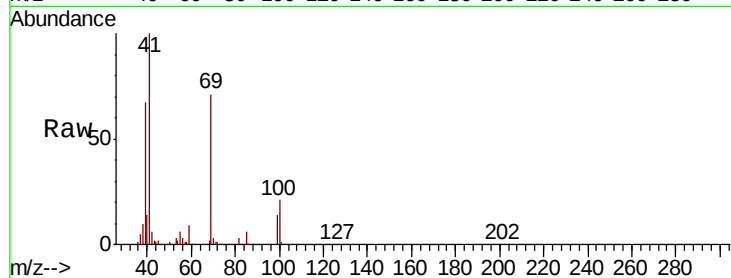
#43
Methvl Methacrvlate
Concen: 11.897 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	145.7	116.3	174.5	
100	29.9	25.3	37.9	

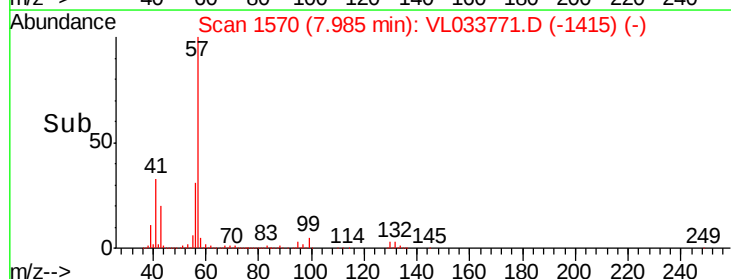
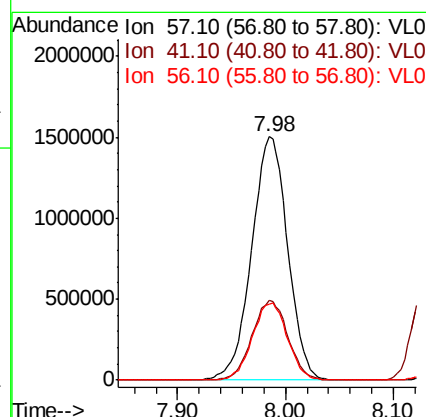
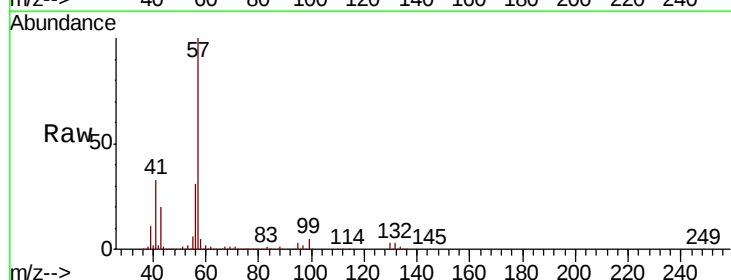
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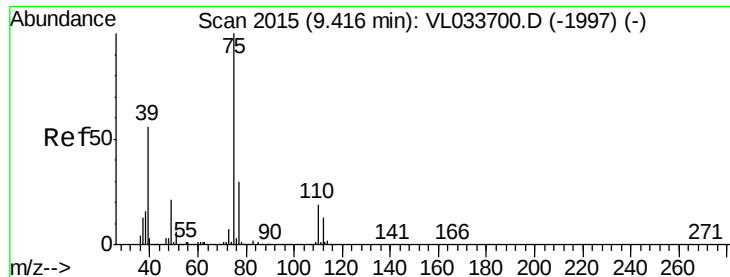
MMDadoda
5/28/2019 2:53:18 AM



#44
2,2,4-Trimethylpentane
Concen: 10.940 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.7	25.4	38.0	
56	31.0	24.7	37.1	





#45

t-1,3-Dichloropropene

Concen: 12.391 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 75 Resp: 1087544

Ion Ratio Lower Upper

75 100

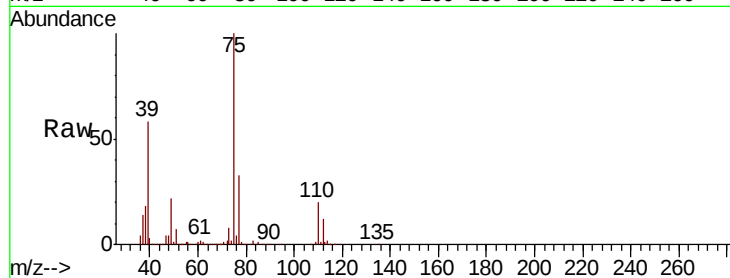
77 33.2 24.4 36.6

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.41

600000

500000

400000

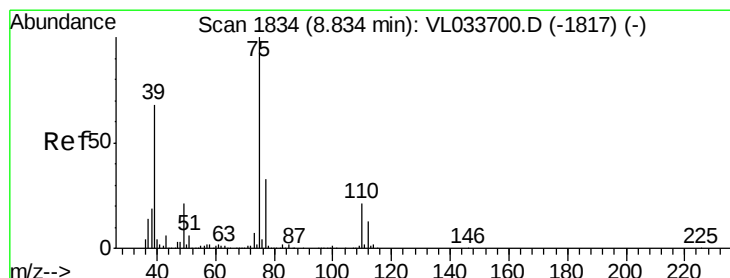
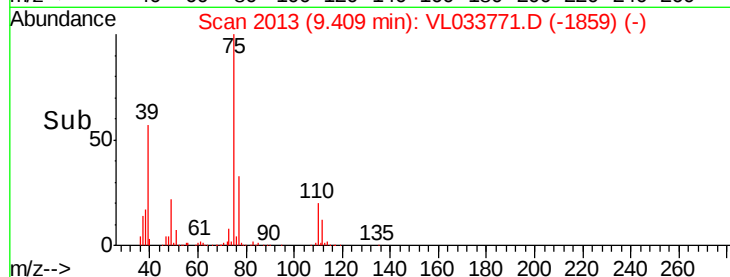
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.878 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

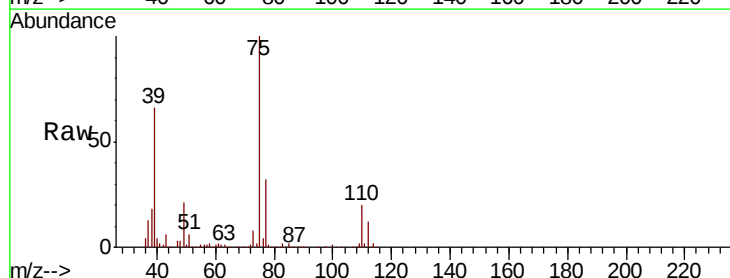
Tgt Ion: 75 Resp: 1220721

Ion Ratio Lower Upper

75 100

39 66.4 54.4 81.6

77 32.2 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.83

800000

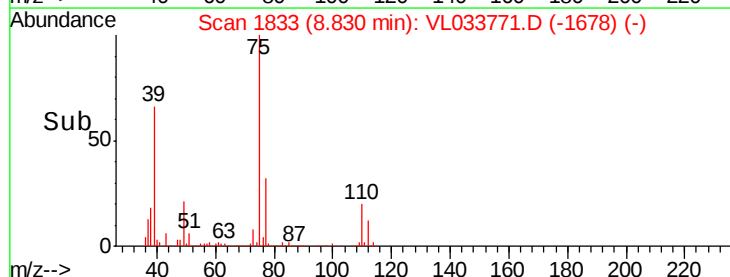
600000

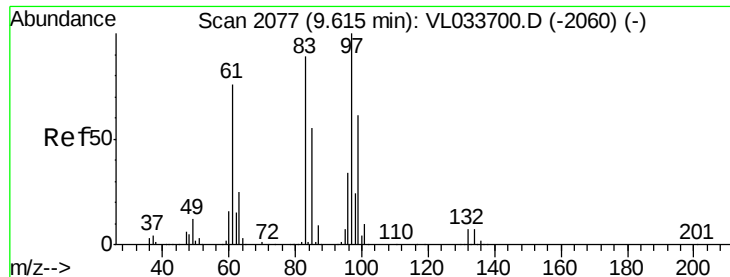
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.611 ppbv

RT: 9.61 min Scan# 2076

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 97 Resp: 845439

Ion Ratio Lower Upper

97 100

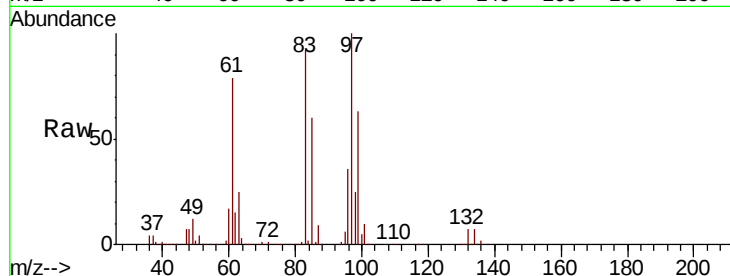
83 92.2 70.8 106.2

85 59.8 43.7 65.5

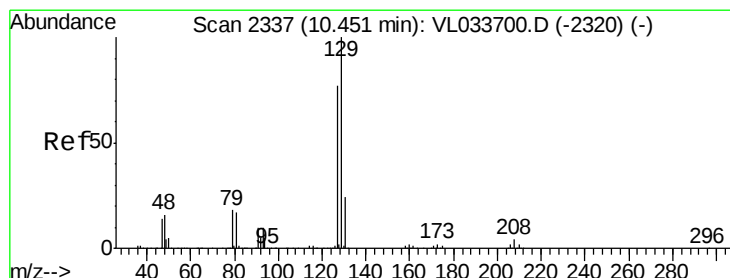
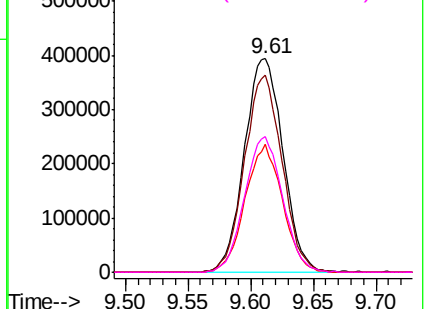
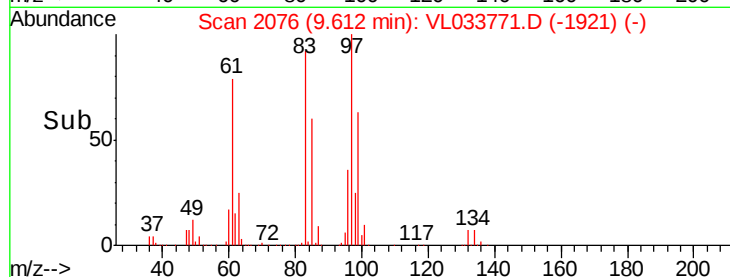
99 63.4 48.7 73.1

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.448 ppbv

RT: 10.45 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VL033771.D

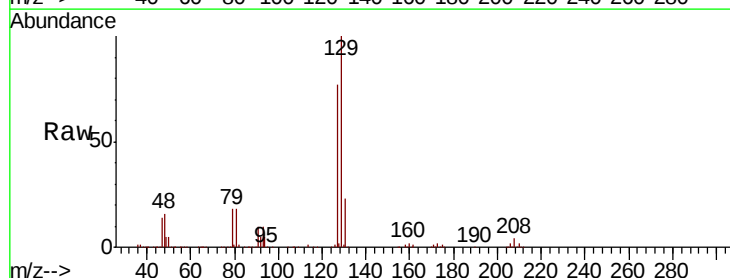
Acq: 23 May 2019 12:37

Tgt Ion: 129 Resp: 1580418

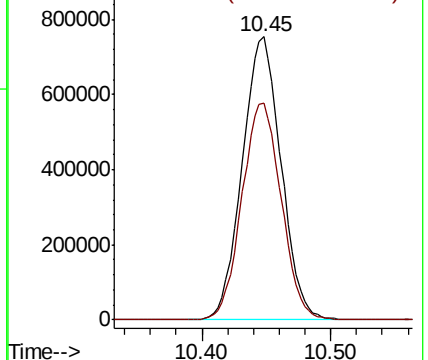
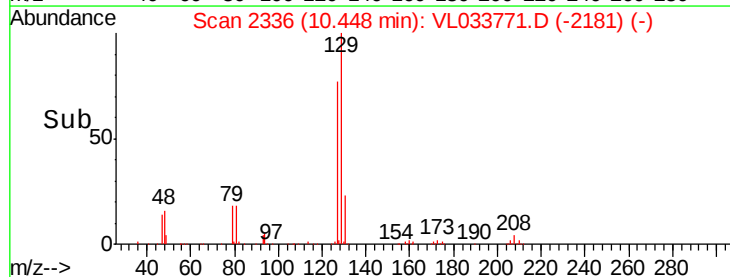
Ion Ratio Lower Upper

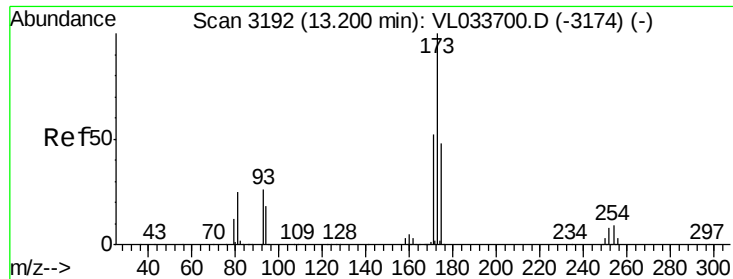
129 100

127 77.8 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.360 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion:173 Resp: 1435787

Ion Ratio Lower Upper

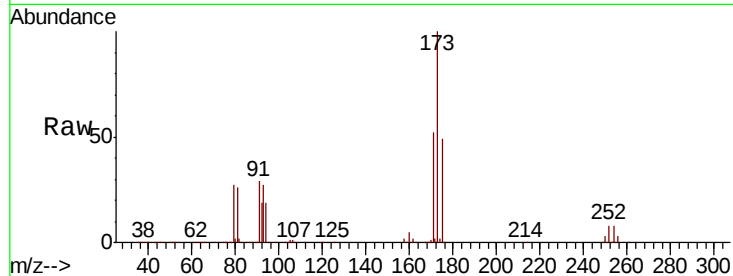
173 100

175 48.9 38.6 58.0

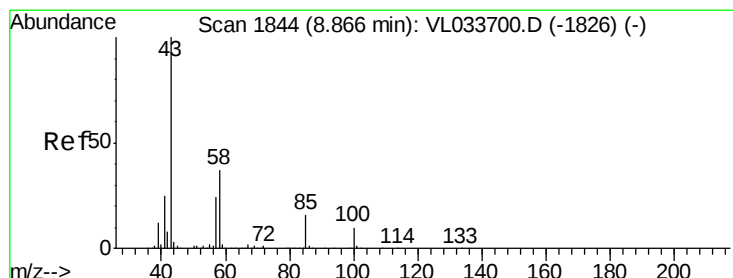
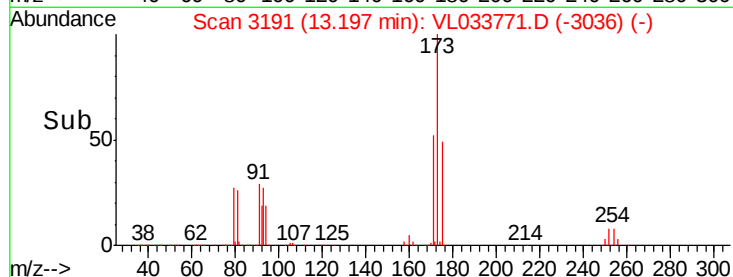
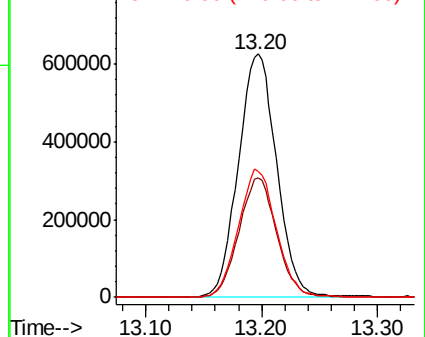
171 52.4 41.5 62.3

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



#50

4-Methyl-2-Pentanone

Concen: 11.131 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL033771.D

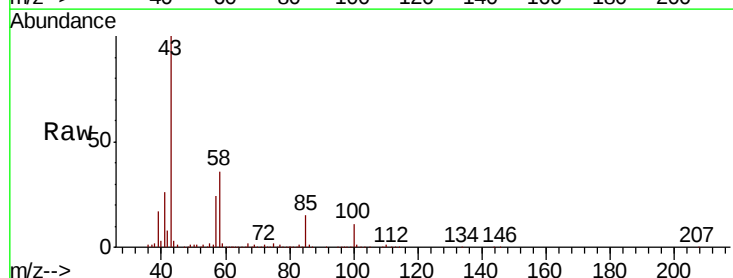
Acq: 23 May 2019 12:37

Tgt Ion: 43 Resp: 2194709

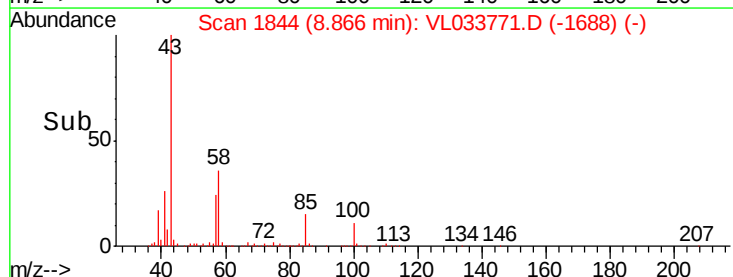
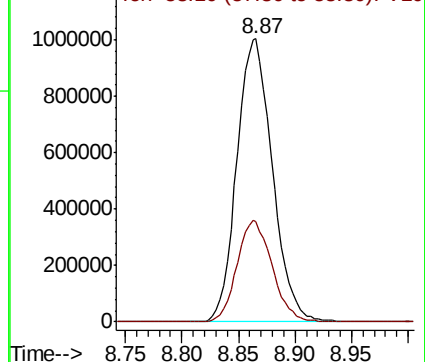
Ion Ratio Lower Upper

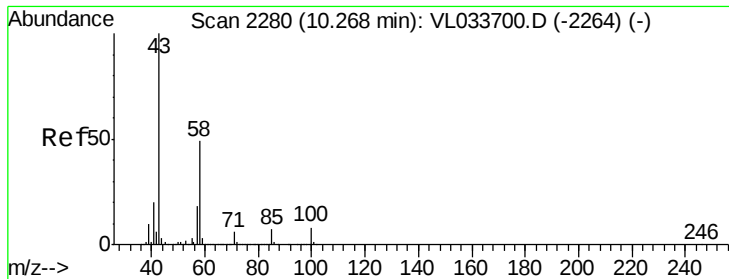
43 100

58 35.4 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: 11.654 ppbv

RT: 10.26 min Scan# 2278

Delta R.T. -0.01 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 43 Resp: 1793310

Ion Ratio Lower Upper

43 100

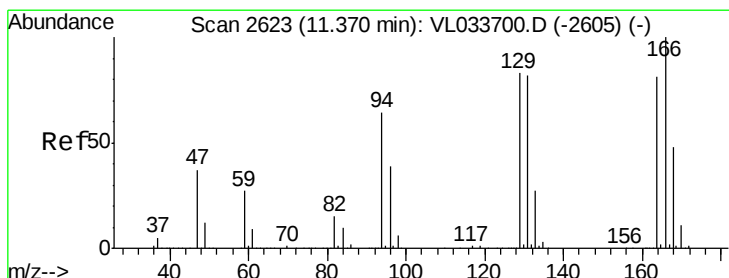
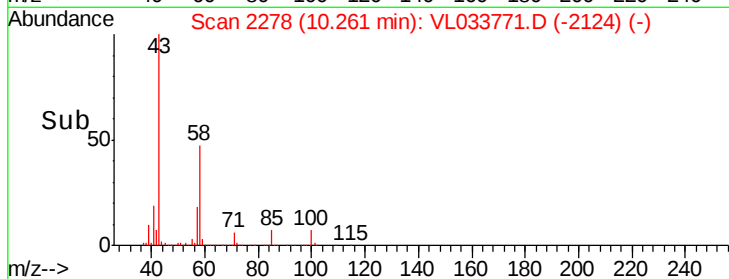
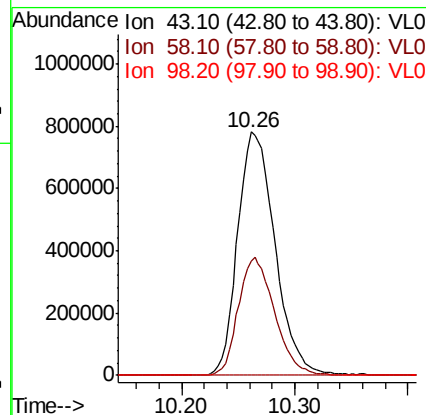
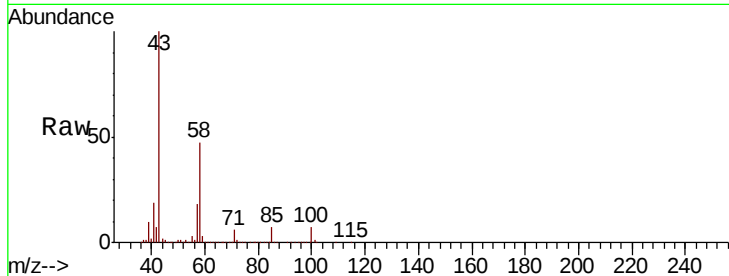
58 47.3 38.7 58.1

98 0.5 0.2 0.4#

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#52

Tetrachloroethene

Concen: 11.557 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Tgt Ion: 164 Resp: 764254

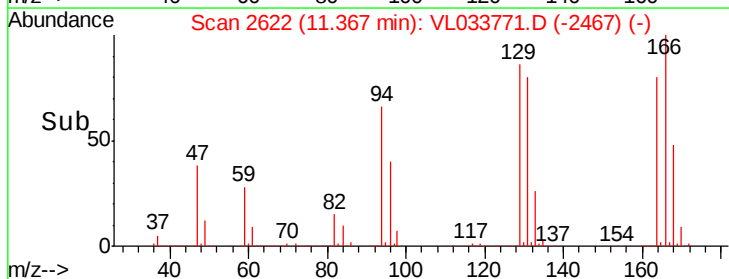
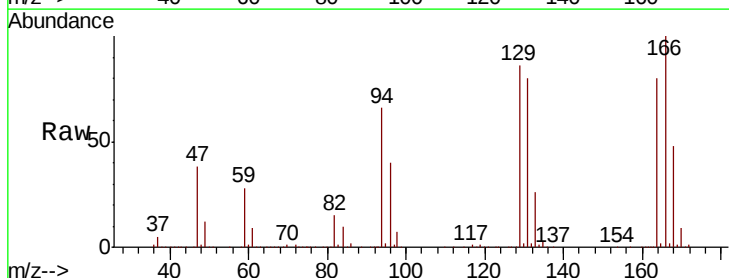
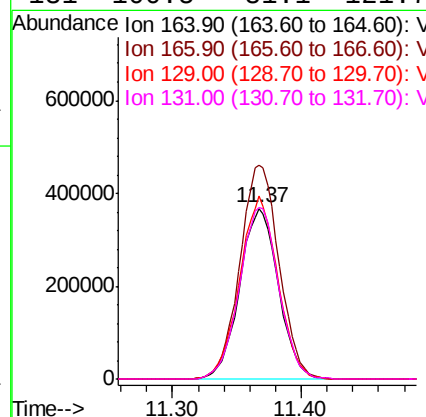
Ion Ratio Lower Upper

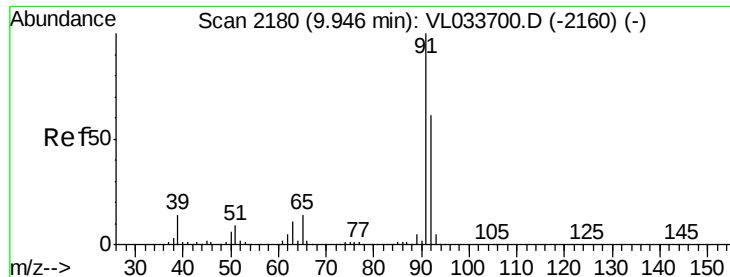
164 100

166 125.3 98.9 148.3

129 107.4 81.8 122.6

131 100.5 81.1 121.7





#53

Toluene

Concen: 11.587 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 91 Resp: 2351082

Ion Ratio Lower Upper

91 100

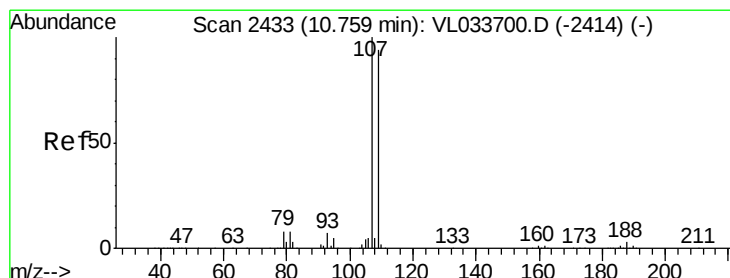
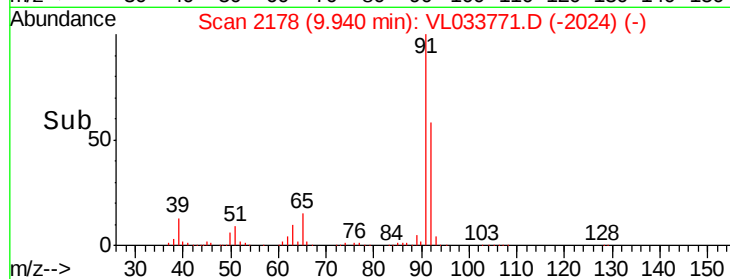
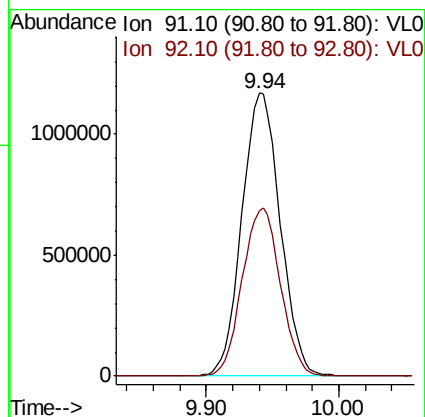
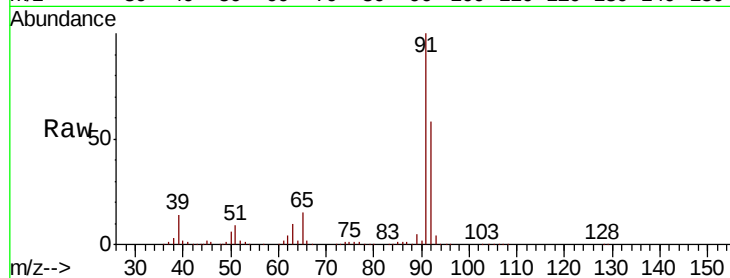
92 59.3 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 11.041 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033771.D

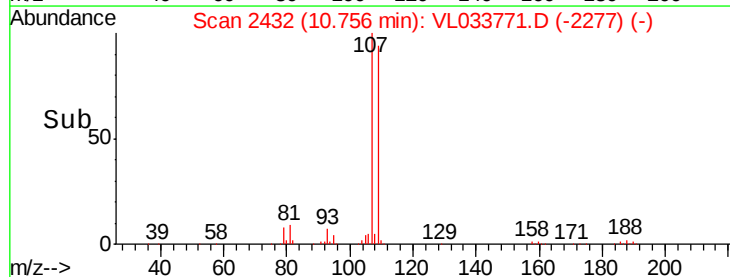
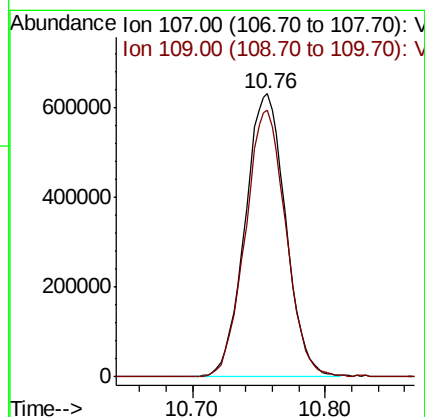
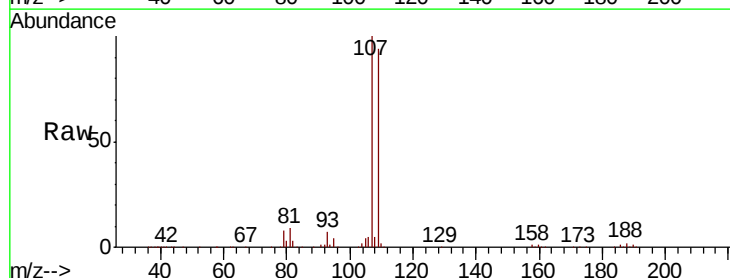
Acq: 23 May 2019 12:37

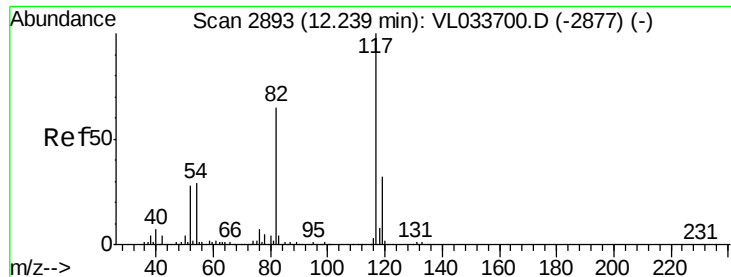
Tgt Ion:107 Resp: 1342502

Ion Ratio Lower Upper

107 100

109 94.3 75.2 112.8





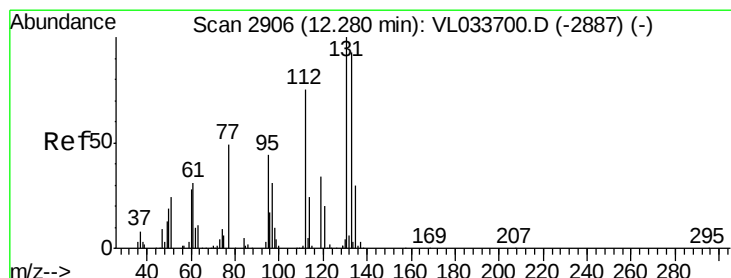
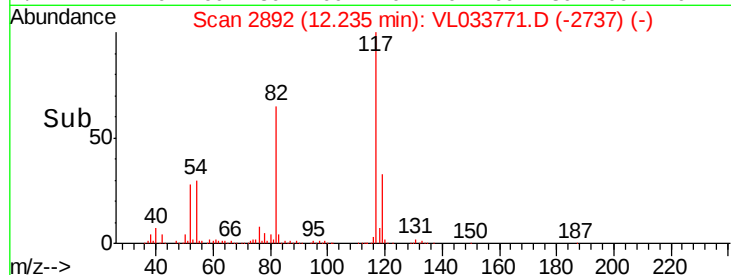
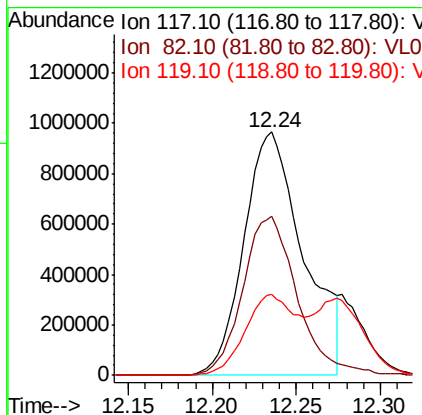
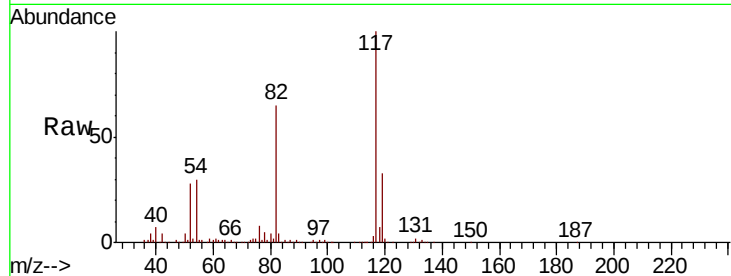
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.4	74.0
119	30.6	24.9	37.3

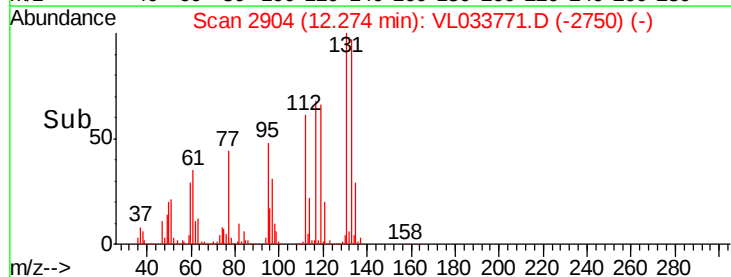
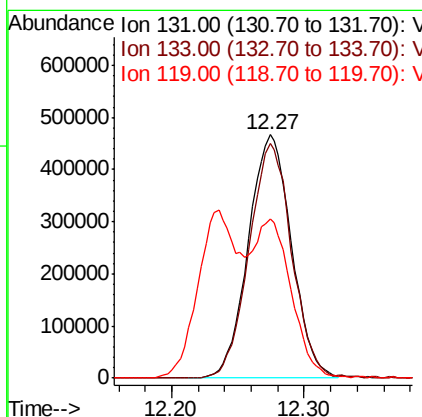
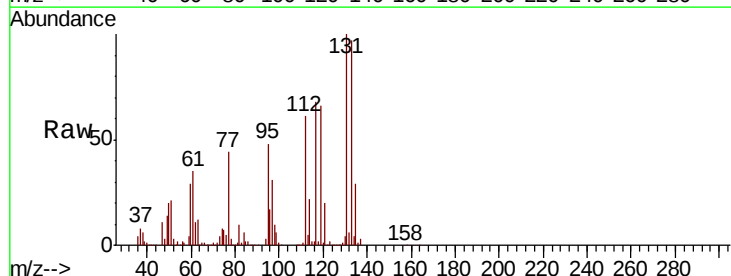
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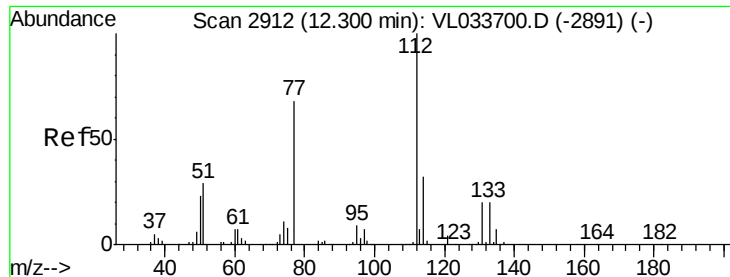
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.611 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.6	114.8
119	63.8	49.0	73.4





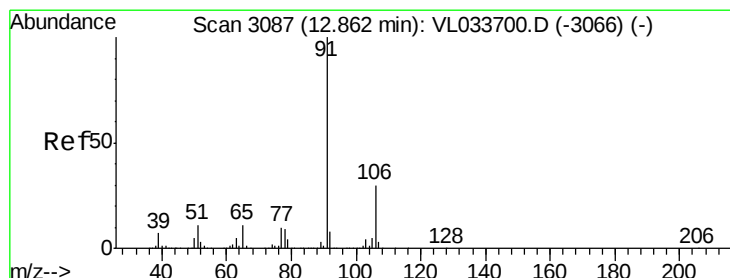
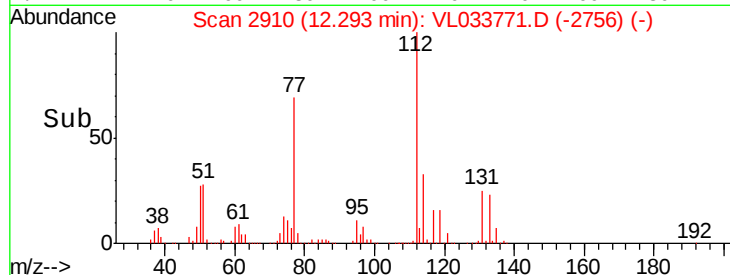
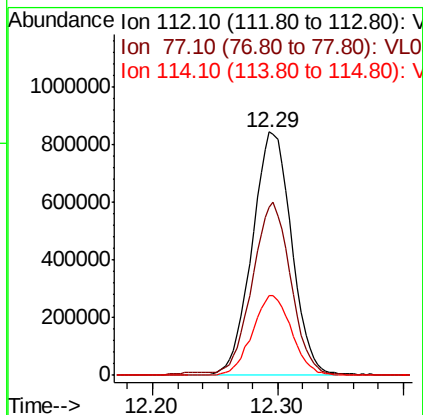
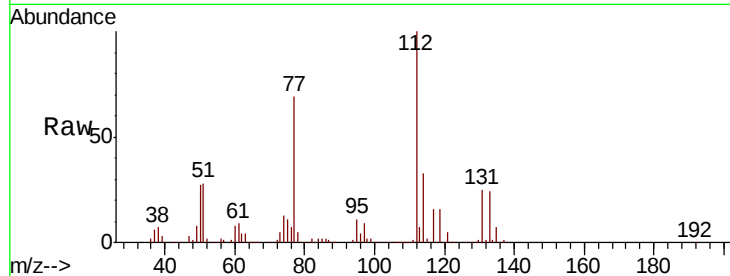
#57
Chlorobenzene
Concen: 9.442 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.6	55.4	83.0
114	32.9	29.3	35.8

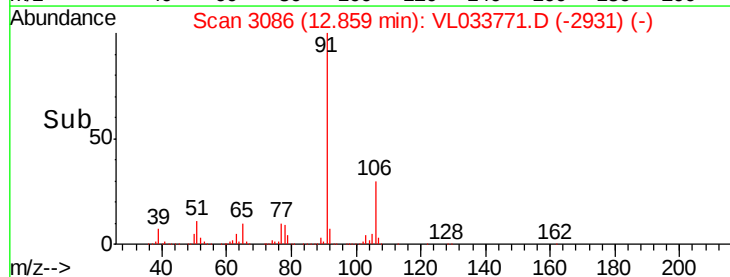
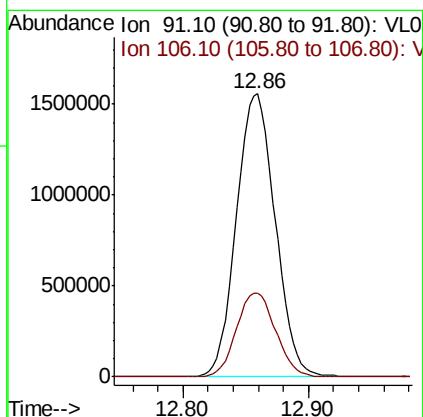
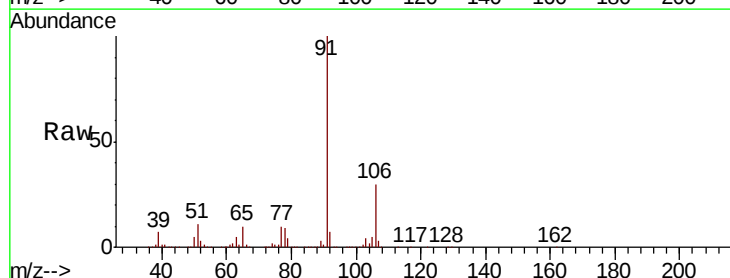
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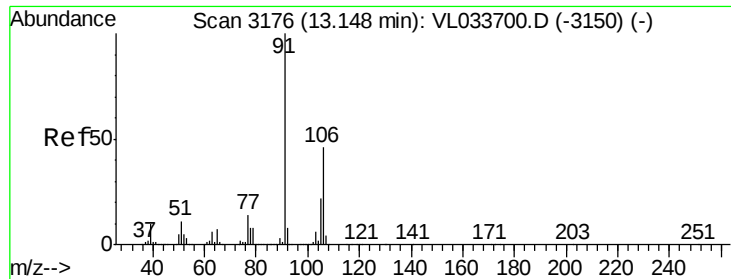
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#58
Ethyl Benzene
Concen: 10.628 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9





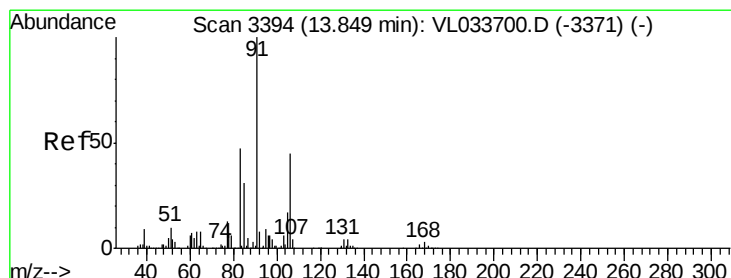
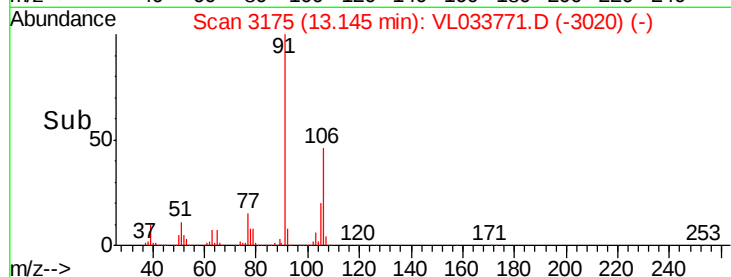
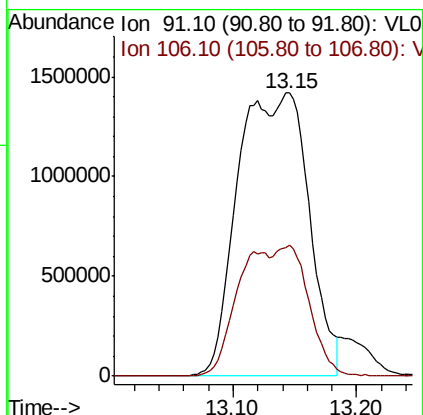
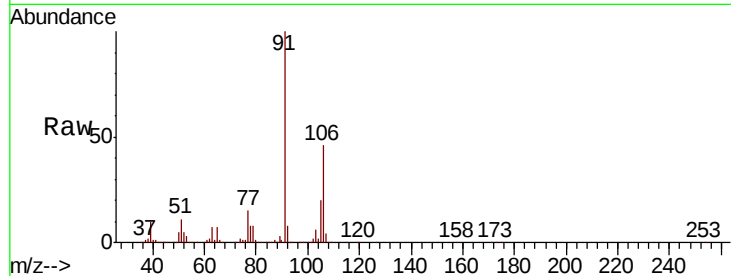
#59
m/p-Xylene
Concen: 20.495 ppbv m
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tot Ion: 91 Resp: 5644875
Ion Ratio Lower Upper
91 100
106 45.0 35.8 53.6

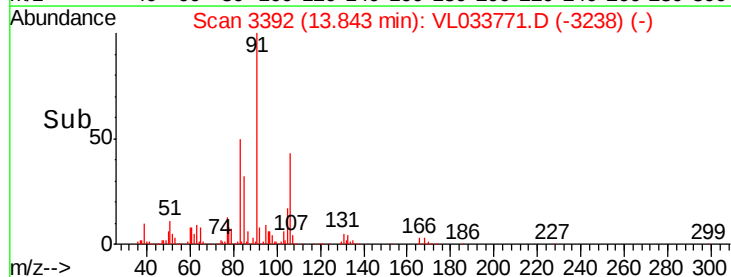
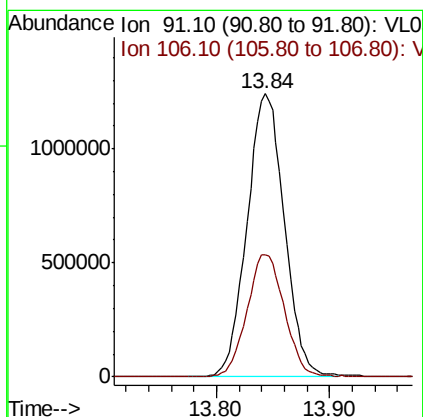
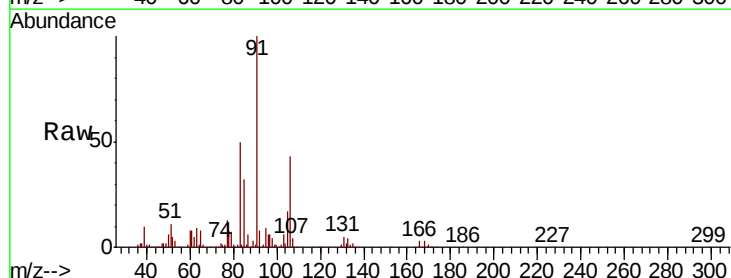
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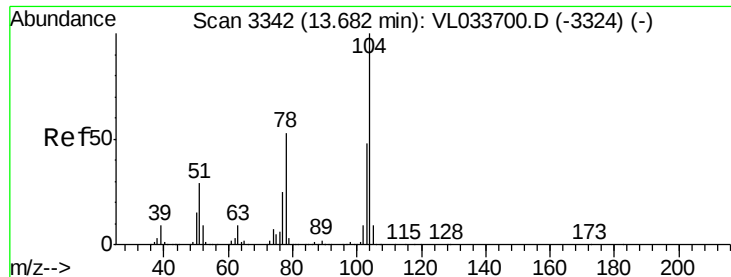
MMDadoda
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#60
o-Xylene
Concen: 10.232 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 91 Resp: 2841057
Ion Ratio Lower Upper
91 100
106 43.6 21.6 64.8





#61

Stvrene

Concen: 11.203 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion:104 Resp: 2094122

Ion Ratio Lower Upper

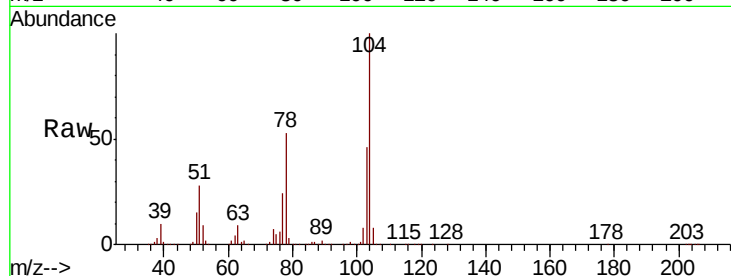
104 100

78 54.2 42.6 64.0

103 47.5 37.8 56.6

Manual Integrations
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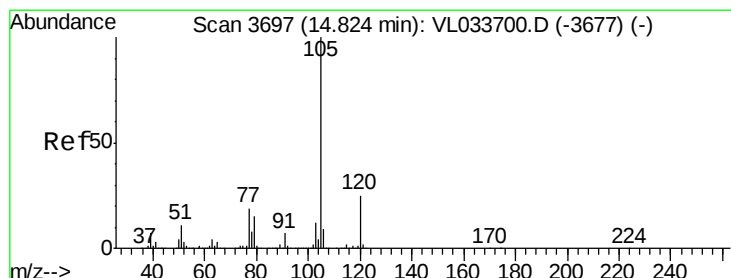
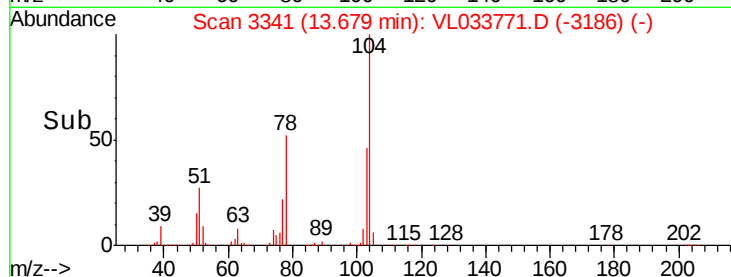
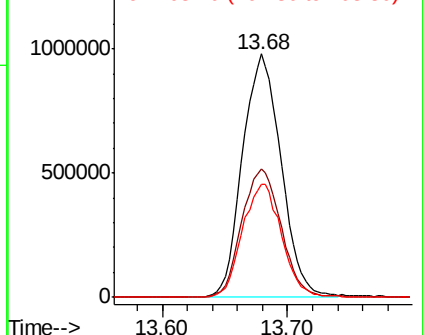
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.964 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033771.D

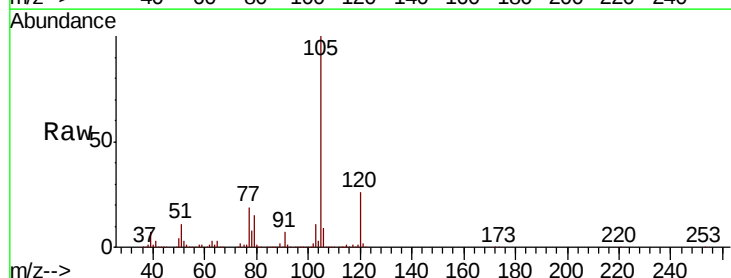
Acq: 23 May 2019 12:37

Tgt Ion:105 Resp: 3725688

Ion Ratio Lower Upper

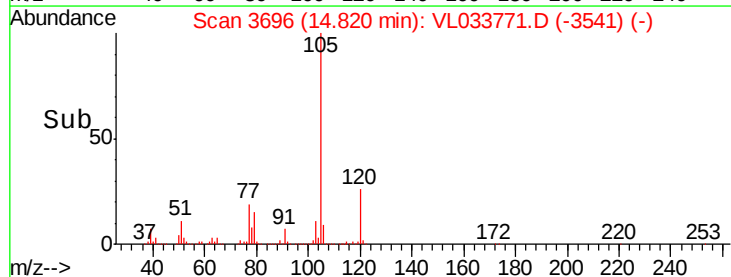
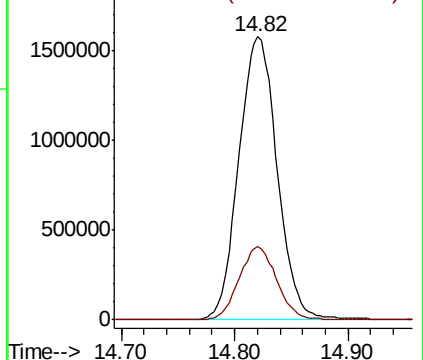
105 100

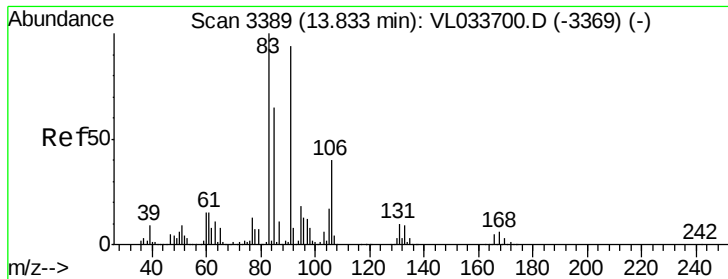
120 25.5 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.935 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 83 Resp: 2005911

Ion Ratio Lower Upper

83 100

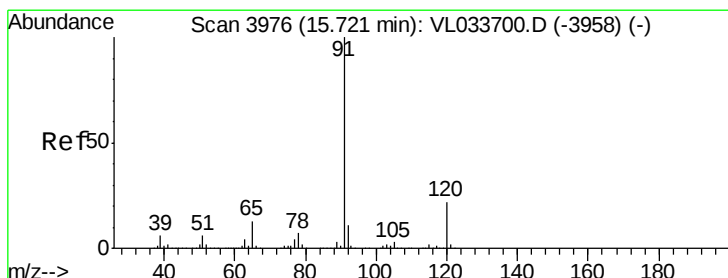
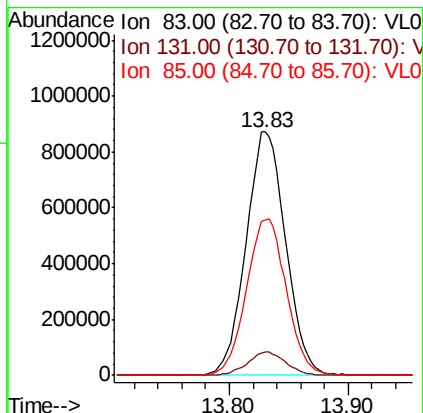
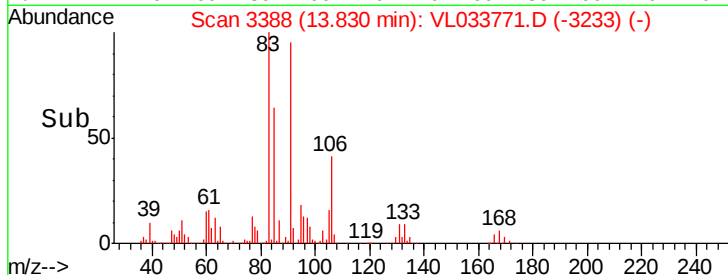
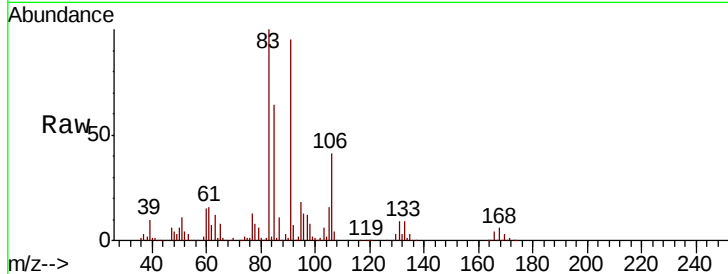
131 9.5 4.8 14.3

85 65.0 32.3 96.9

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#64

n-propylbenzene

Concen: 10.115 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033771.D

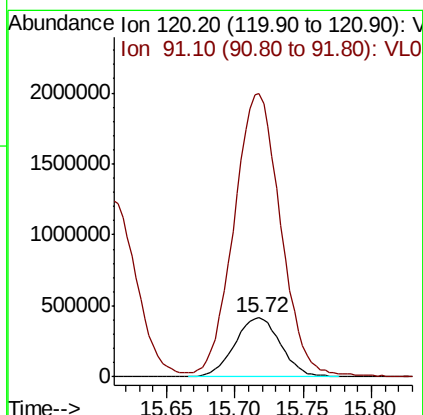
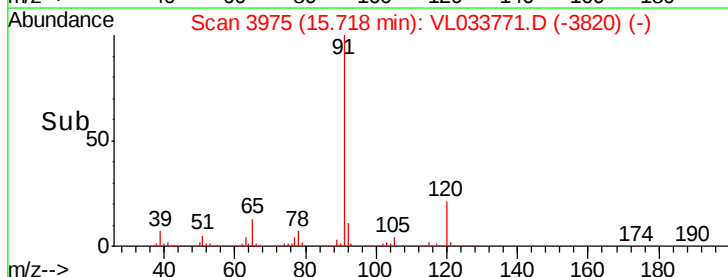
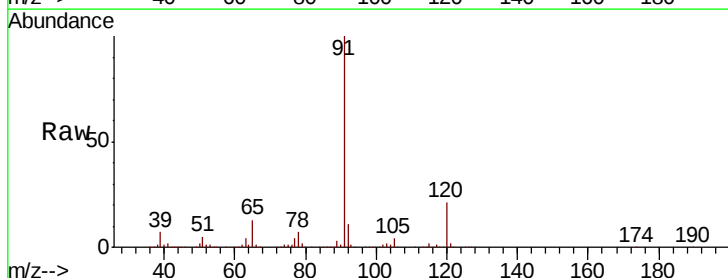
Acq: 23 May 2019 12:37

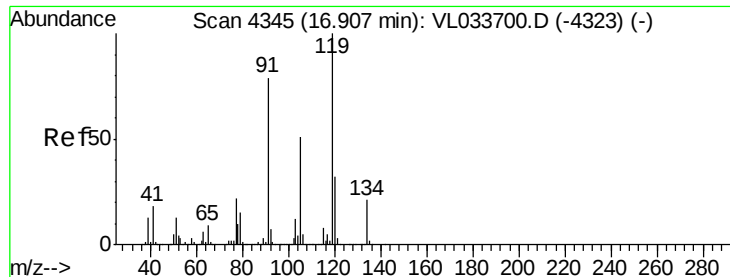
Tgt Ion: 120 Resp: 978326

Ion Ratio Lower Upper

120 100

91 489.4 379.1 568.7





#65

tert-Butylbenzene

Concen: 10.208 ppbv

RT: 16.90 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

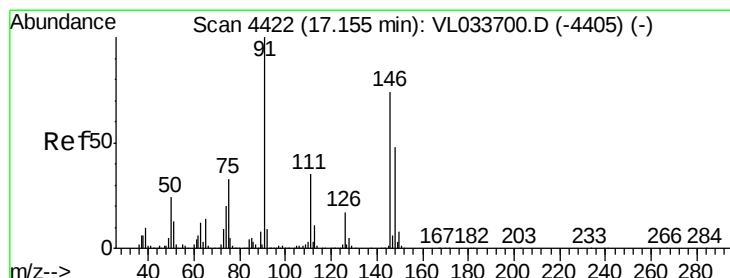
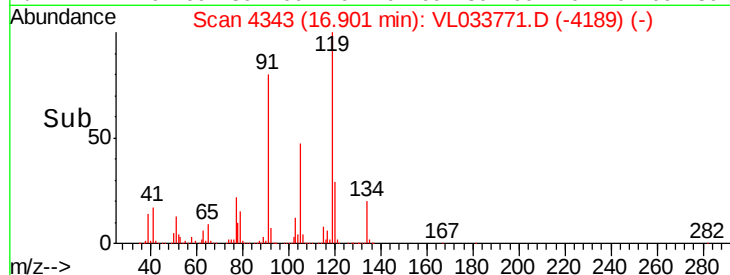
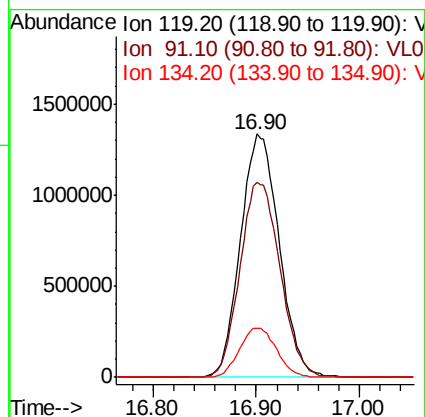
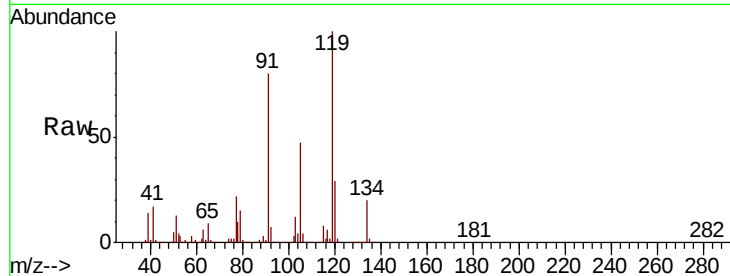
ClientSampleId :

VL0523ABS01

Tot Ion:	119	Resp:	3485007
Ion	Ratio	Lower	Upper
119	100		
91	83.2	65.3	97.9
134	19.6	15.7	23.5

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#66

Benzyl Chloride

Concen: 11.102 ppbv

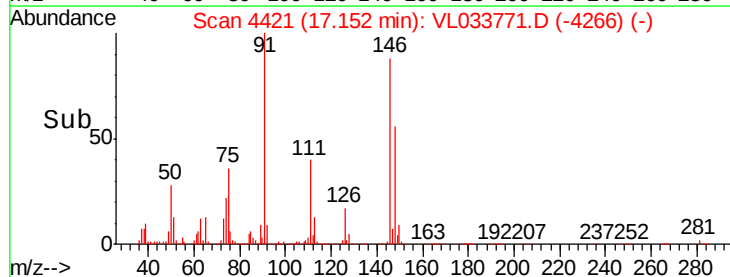
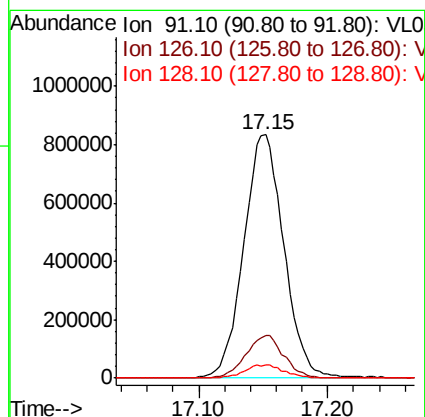
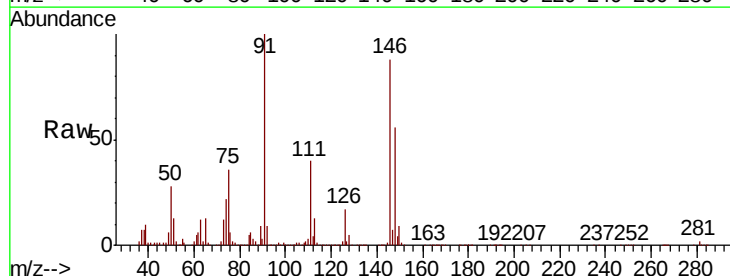
RT: 17.15 min Scan# 4421

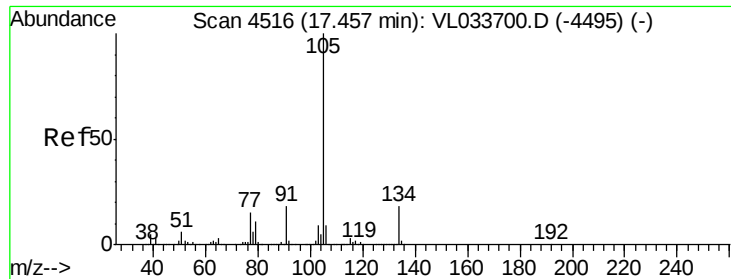
Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Tgt Ion:	91	Resp:	1805120
Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.5	20.3
128	5.3	4.3	6.5





#67

sec-Butylbenzene

Concen: 10.177 ppbv

RT: 17.45 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 105 Resp: 4862680

Ion Ratio Lower Upper

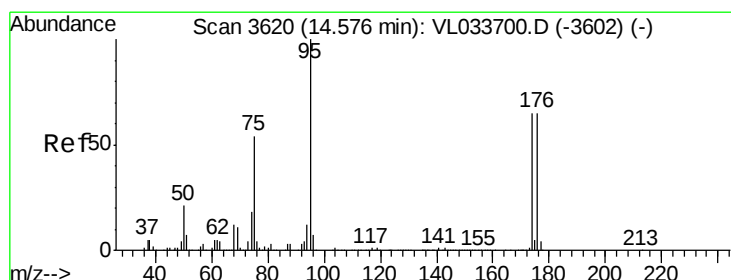
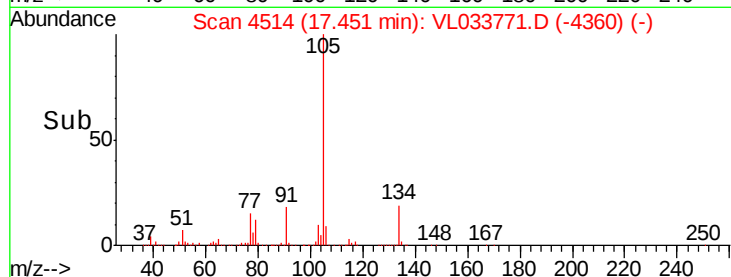
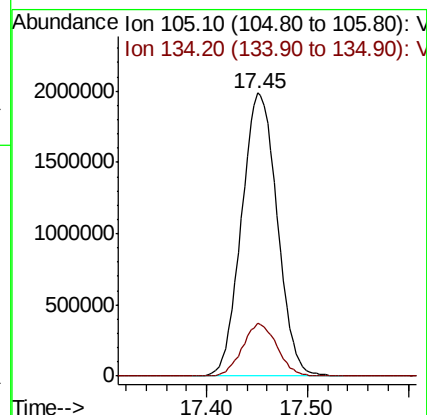
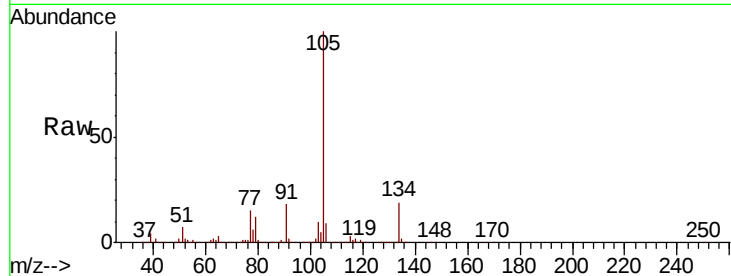
105 100

134 18.1 14.6 22.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.518 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

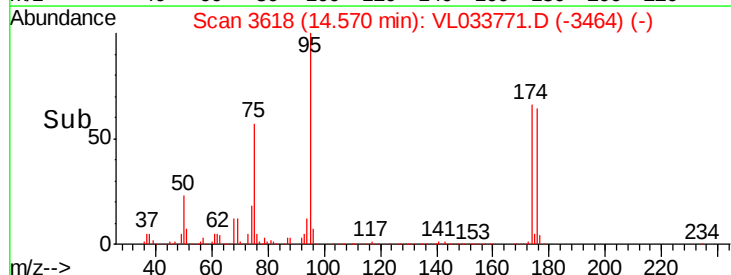
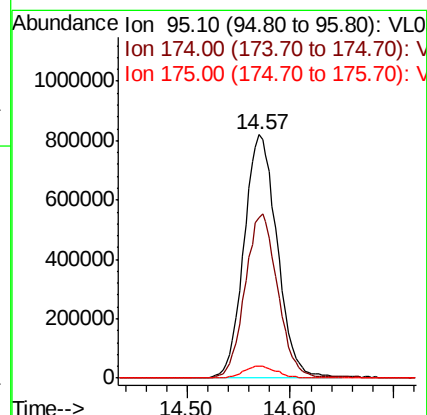
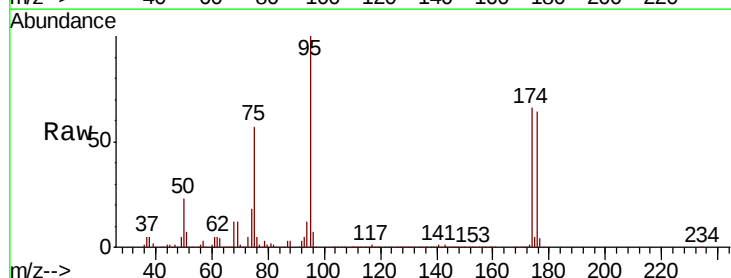
Tgt Ion: 95 Resp: 1835933

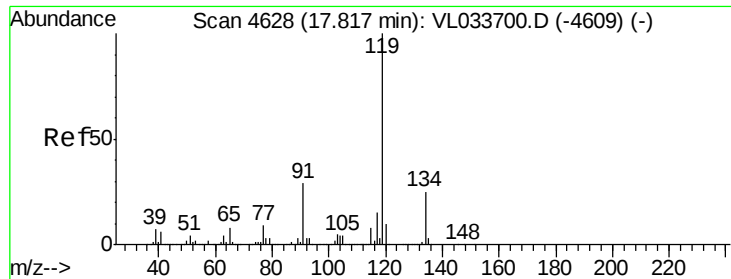
Ion Ratio Lower Upper

95 100

174 66.9 53.9 80.9

175 4.9 3.8 5.8





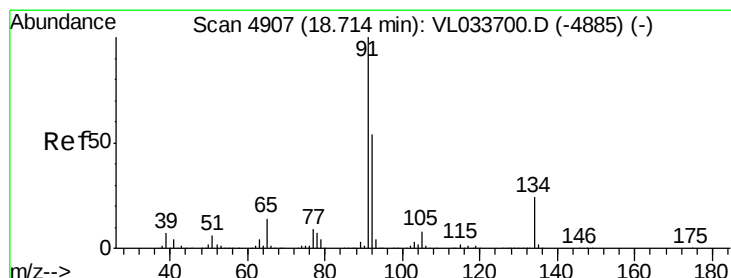
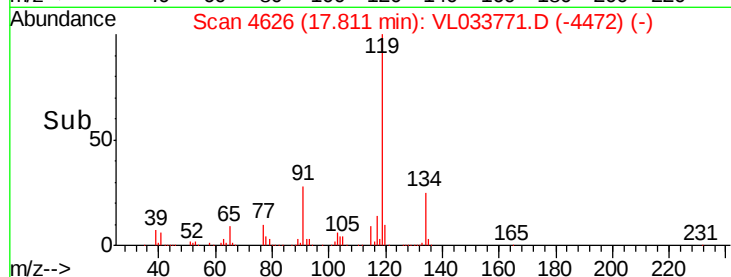
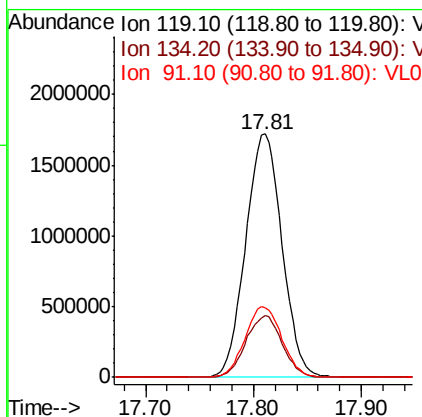
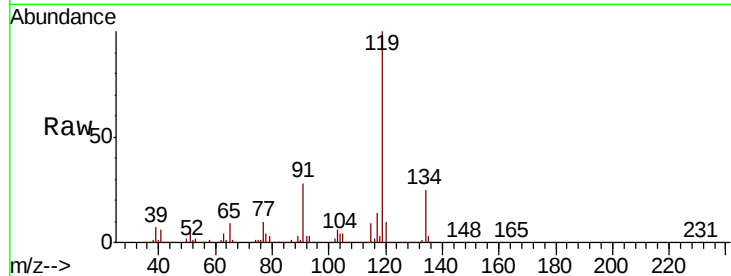
#69
 p-Isopropyltoluene
 Concen: 10.184 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	29.5	23.1	34.7

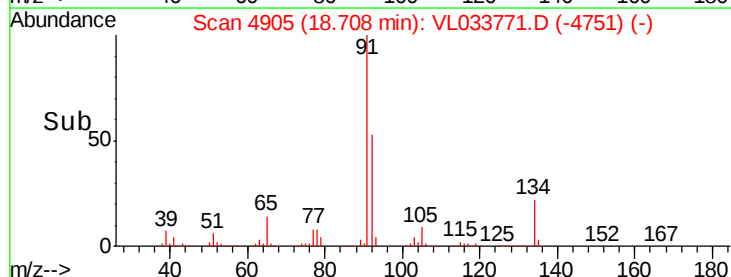
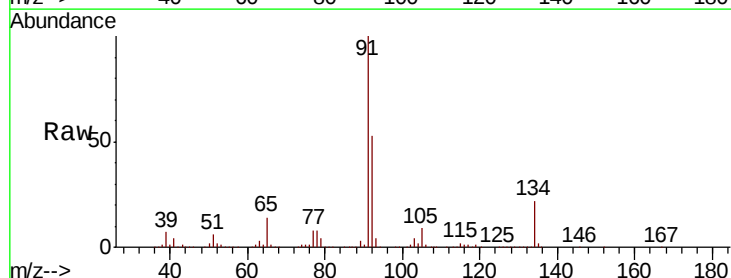
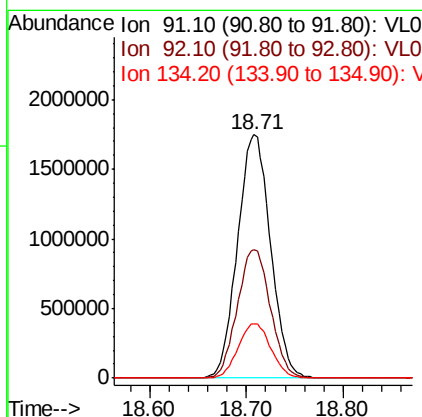
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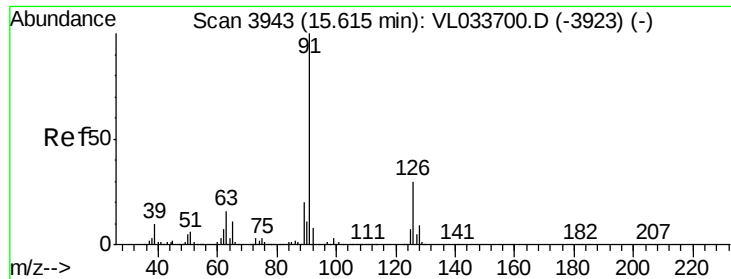
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#70
 n-Butylbenzene
 Concen: 9.784 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.6	63.8
134	22.2	18.1	27.1





#71

2-Chlorotoluene

Concen: 10.308 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion: 91 Resp: 2859573

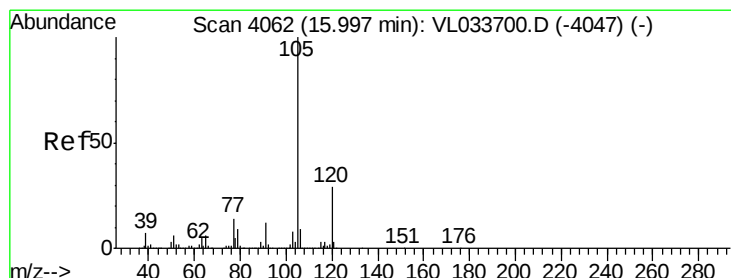
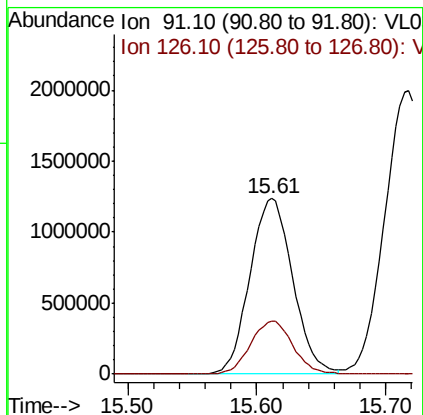
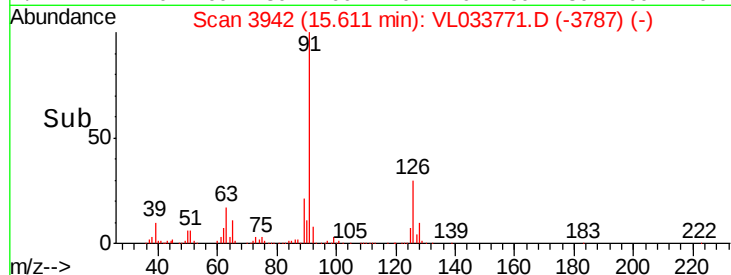
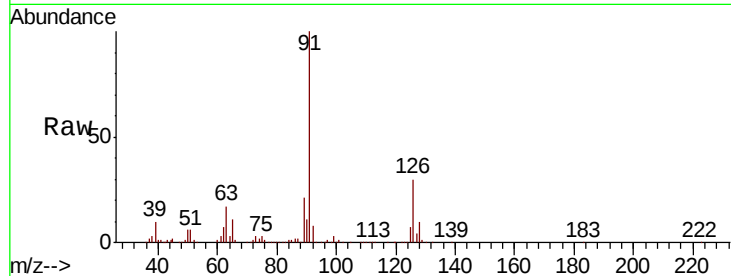
Ion Ratio Lower Upper

91 100

126 30.3 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.466 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Tgt Ion:105 Resp: 3322525

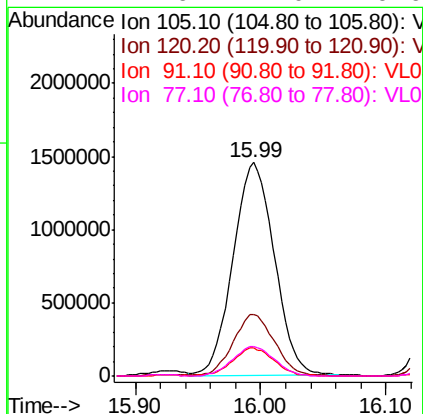
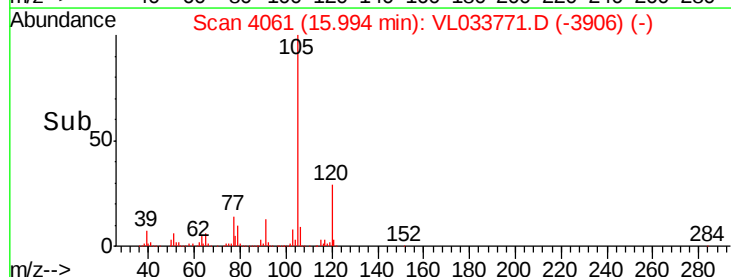
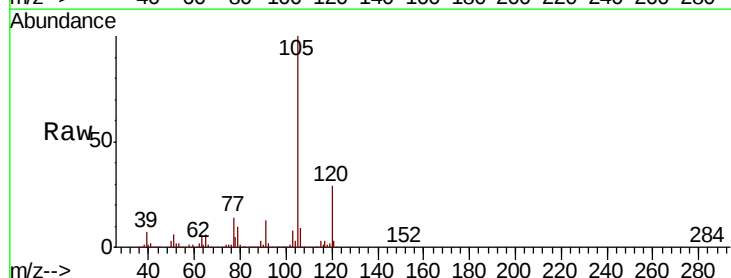
Ion Ratio Lower Upper

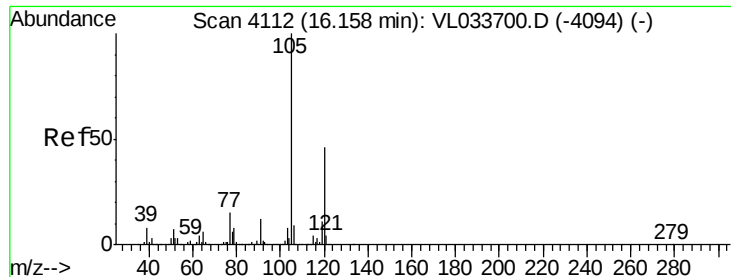
105 100

120 29.1 23.1 34.7

91 13.2 10.4 15.6

77 14.6 11.0 16.6





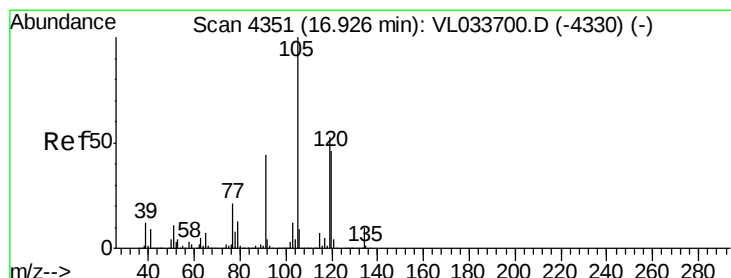
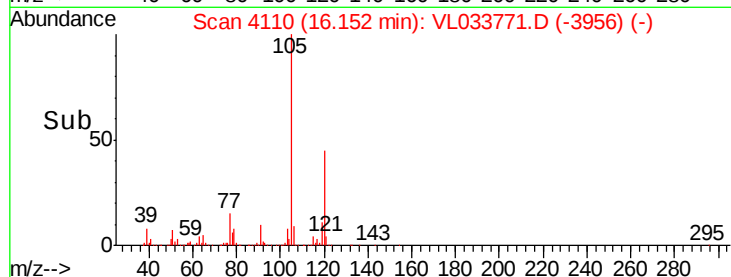
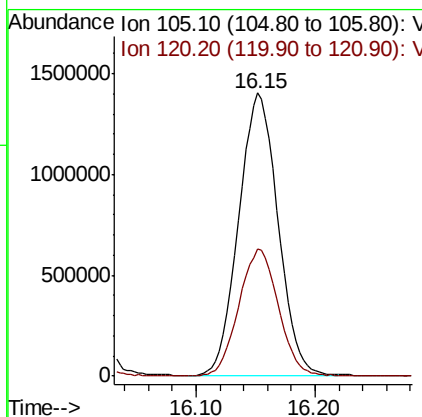
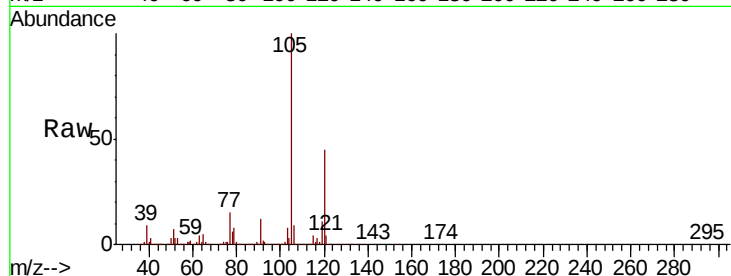
#73
 1,3,5-Trimethylbenzene
 Concen: 10.320 ppbv
 RT: 16.15 min Scan# 4110
 Delta R.T. -0.01 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.0	55.4

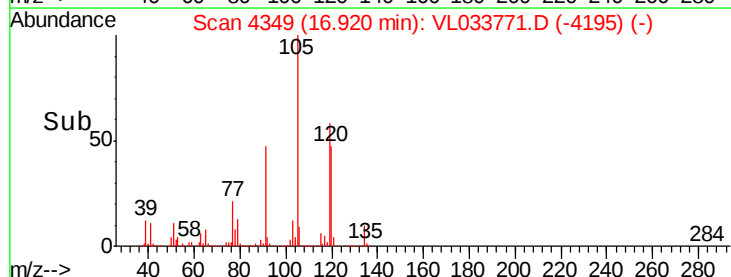
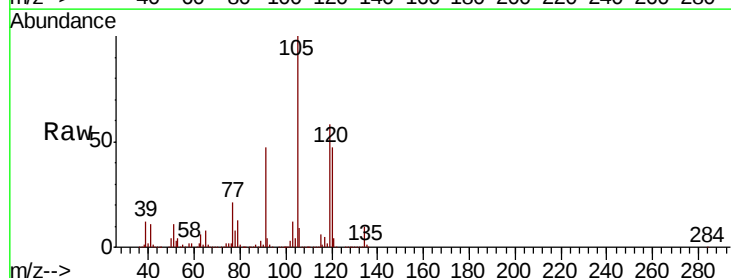
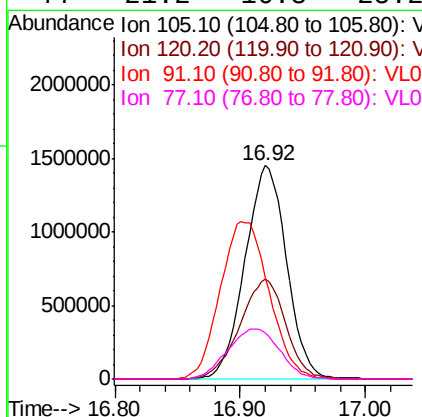
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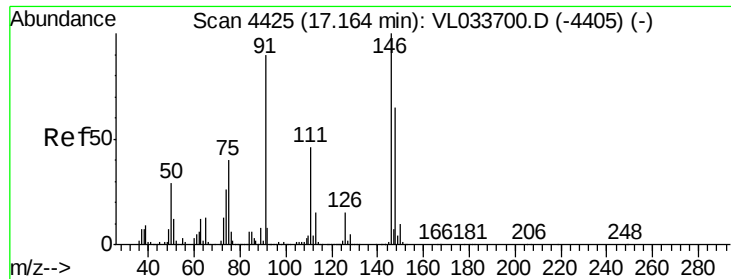
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.897 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	36.8	55.2
91	47.1	35.4	53.0
77	21.2	16.8	25.2





#75

1,3-Dichlorobenzene

Concen: 9.288 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABS01

Tot Ion:146 Resp: 1918564

Ion Ratio Lower Upper

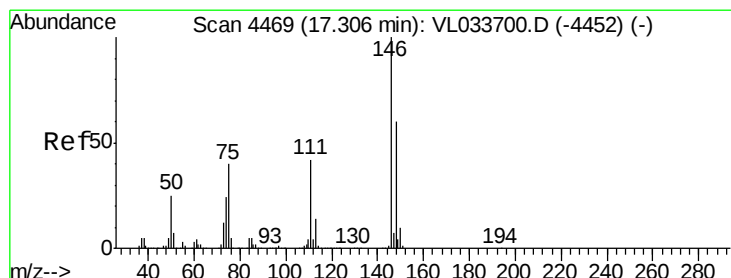
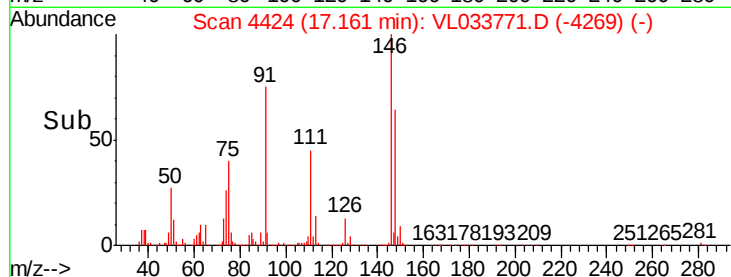
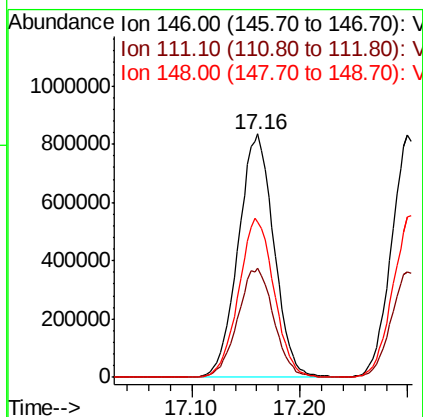
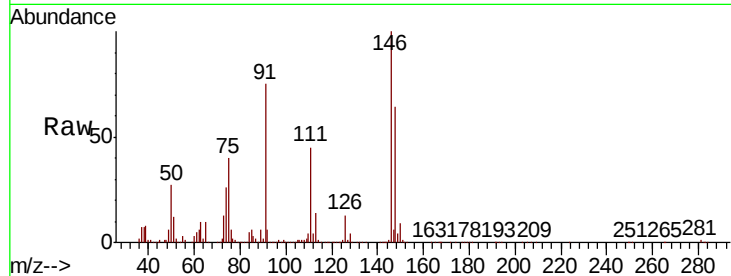
146 100

111 45.4 22.9 68.8

148 64.9 32.0 96.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.664 ppbv

RT: 17.30 min Scan# 4467

Delta R.T. -0.01 min

Lab File: VL033771.D

Acq: 23 May 2019 12:37

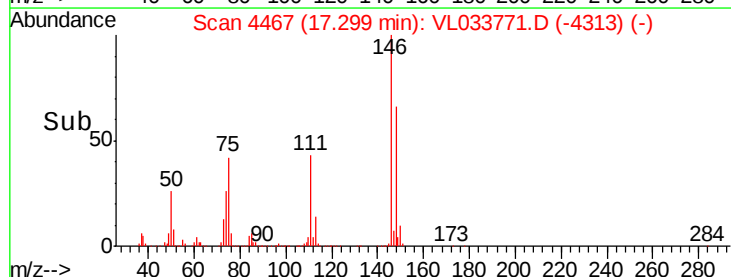
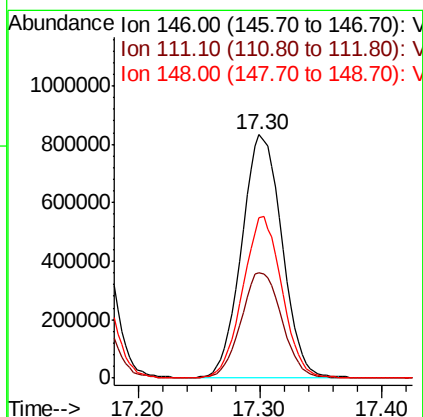
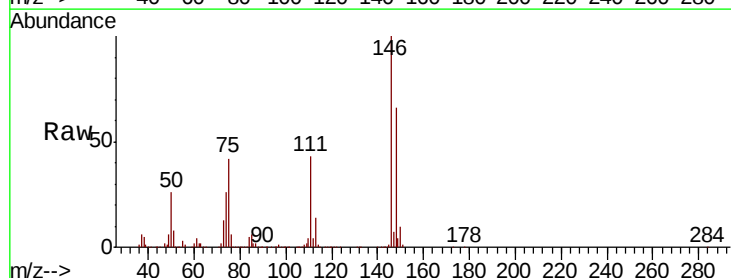
Tgt Ion:146 Resp: 1897294

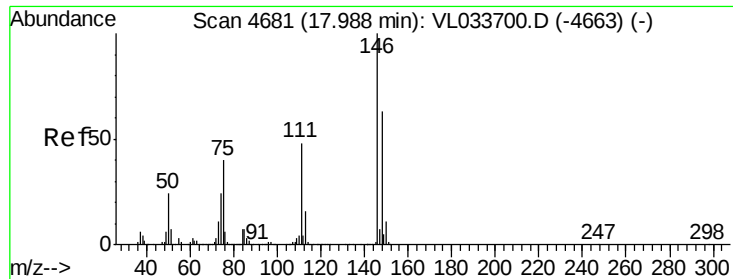
Ion Ratio Lower Upper

146 100

111 44.2 21.9 65.8

148 64.7 32.1 96.3





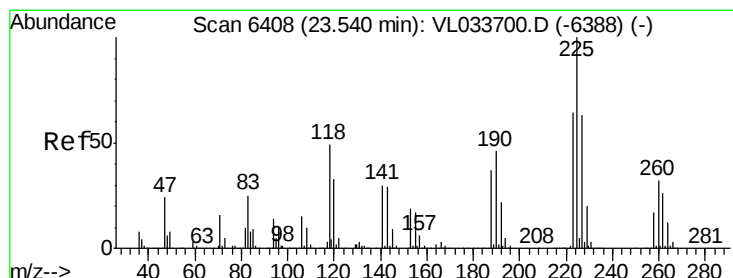
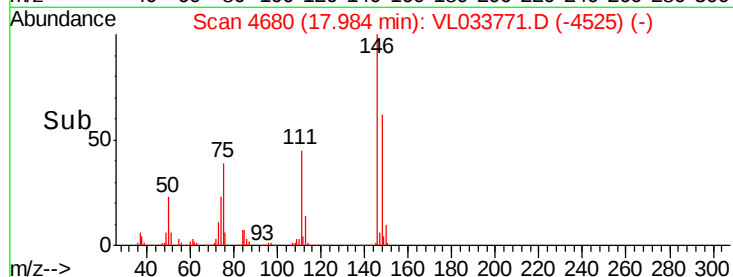
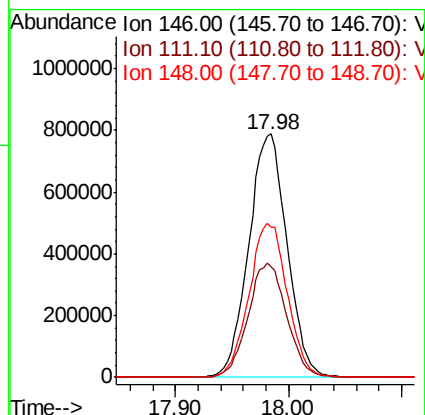
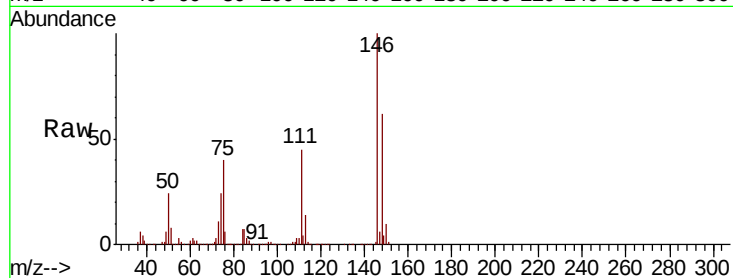
#77
 1,2-Dichlorobenzene
 Concen: 9.551 ppbv
 RT: 17.98 min Scan# 4680
 Delta R.T. -0.00 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Instrument :
 MSVOA_L
 ClientSampled :
 VL0523ABS01

Tot Ion:146 Resp: 1853856
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.5 70.5
 148 63.4 32.1 96.3

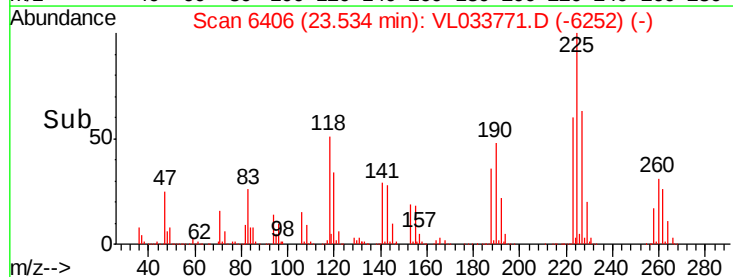
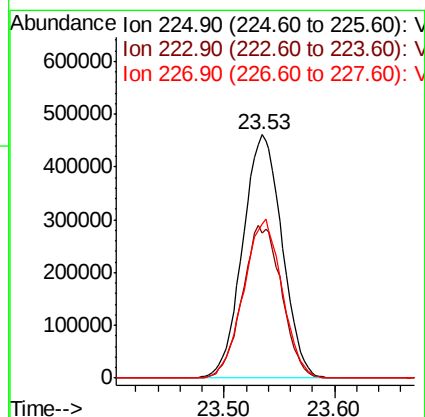
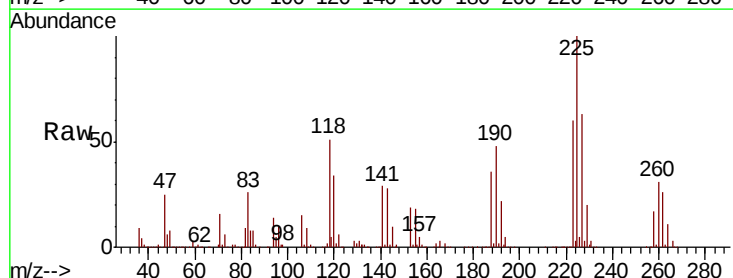
Manual Integrations
 APPROVED

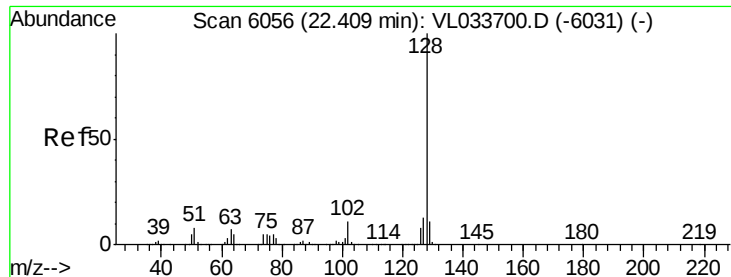
MMDadoda
 5/28/2019 2:53:18 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.763 ppbv
 RT: 23.53 min Scan# 6406
 Delta R.T. -0.01 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Tgt Ion:225 Resp: 1139174
 Ion Ratio Lower Upper
 225 100
 223 62.5 50.2 75.4
 227 64.1 50.7 76.1





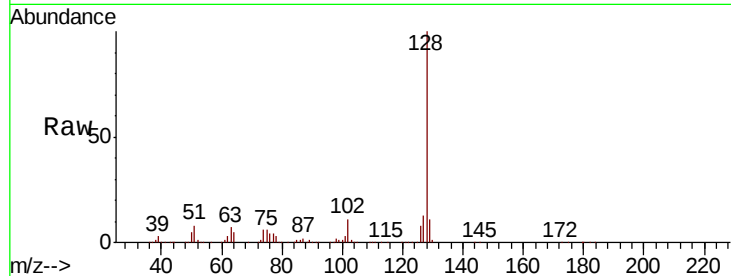
#79
Naphthalene
Concen: 8.794 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	11.4	8.9	13.3

Manual Integrations
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MMDadoda
5/28/2019 2:53:18 AM

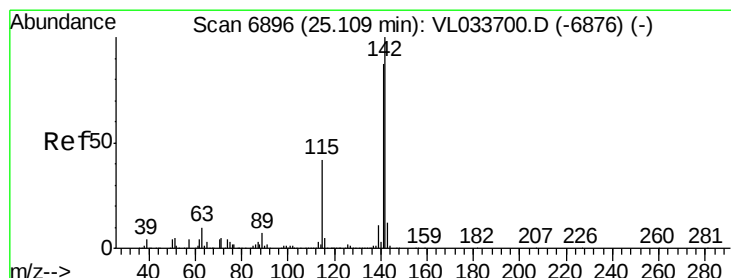
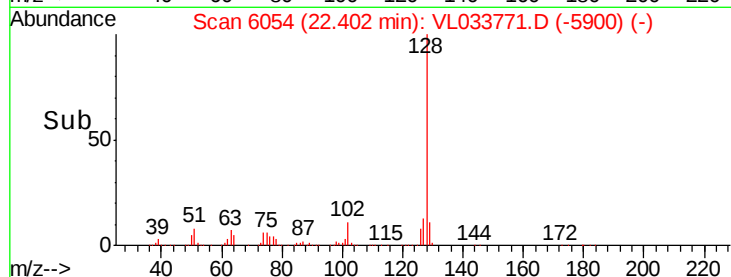
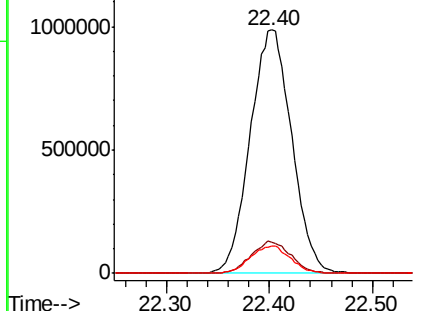


Abundance

Ion 128.10 (127.80 to 128.80): V

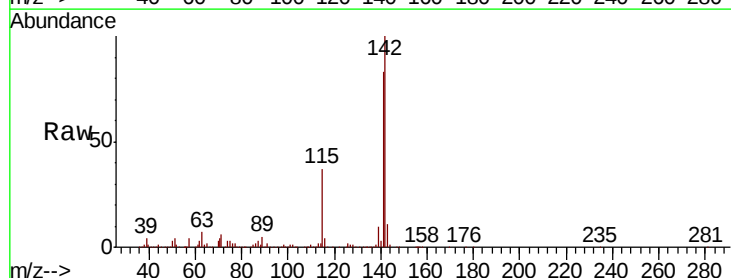
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 7.476 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.3	67.2	100.8
115	37.7	34.1	51.1

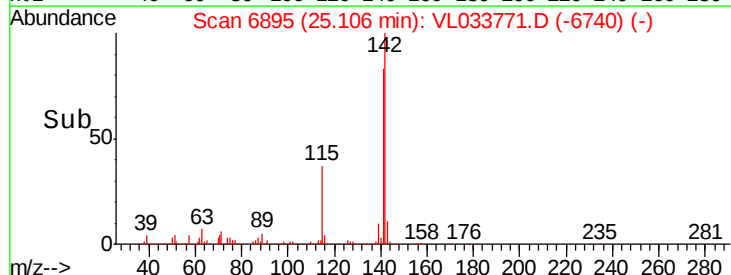
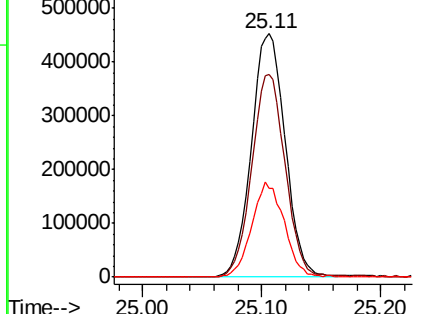


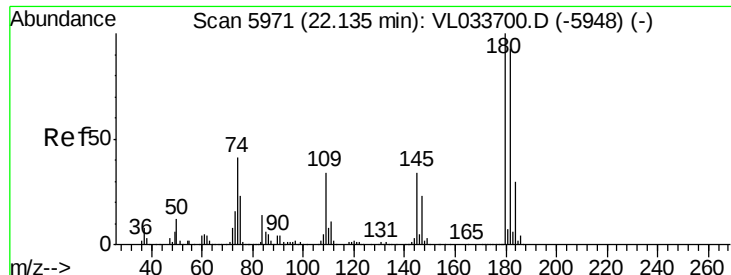
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





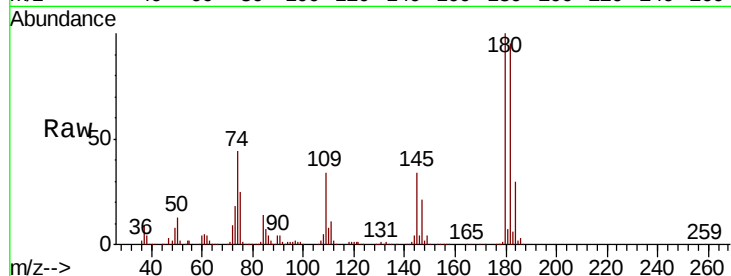
#81
 1,2,4-Trichlorobenzene
 Concen: 8.560 ppbv
 RT: 22.12 min Scan# 5967
 Delta R.T. -0.01 min
 Lab File: VL033771.D
 Acq: 23 May 2019 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.1	114.1
184	30.6	24.6	37.0

Manual Integrations
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

