

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033875.D
 Acq On : 7 Jun 2019 2:44
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:18:15 AM

Quant Time: Jun 07 06:25:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 05:42:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	964524	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2260188	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2277777	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1875414	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	293022	1.504	ppbv	99
3) Chlorodifluoromethane	3.01	51	229735	2.069	ppbv	98
4) Chloromethane	3.17	50	135067	2.127	ppbv	95
5) Vinyl Chloride	3.29	62	128084	1.979	ppbv	92
6) Bromomethane	3.51	94	80353	2.033	ppbv	98
7) Chloroethane	3.59	64	47617	2.061	ppbv	90
8) Dichlorotetrafluoroethane	3.21	85	344001	2.070	ppbv	99
9) Propene	3.03	41	87479	1.889	ppbv	96
10) Heptane	8.23	43	214117	1.634	ppbv	100
11) Trichlorofluoromethane	4.00	101	407110	2.085	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.54	101	277337	2.040	ppbv	99
13) Ethanol	3.64	45	32741	2.196	ppbv	99
14) Bromoethene	3.78	108	103255	2.032	ppbv	98
15) Acetone	3.90	43	303809	2.274	ppbv	99
16) 1,3-Butadiene	3.35	39	111404	2.065	ppbv	99
17) tert-Butyl alcohol	4.35	59	208199	1.874	ppbv	99
18) 1,1-Dichloroethene	4.35	96	116391	2.027	ppbv	95
19) Isopropyl Alcohol	4.02	45	153111	1.763	ppbv #	96
20) Methylene Chloride	4.40	84	110928	2.137	ppbv	98
21) Allyl Chloride	4.47	41	162148	1.953	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	122076	2.039	ppbv	93
23) Vinyl Acetate	5.14	43	343501	1.957	ppbv #	99
24) 1,1-Dichloroethane	5.08	63	261728	1.945	ppbv	99
25) Ethyl Acetate	5.76	43	441116	1.892	ppbv	99
26) Hexane	5.77	57	212498	2.125	ppbv	92
27) Carbon Disulfide	4.61	76	271569	1.955	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	310855	1.876	ppbv	100
29) Chloroform	5.83	83	340029	1.834	ppbv	97
30) Cyclohexane	7.23	84	136082	1.629	ppbv #	78
31) cis-1,2-Dichloroethene	5.63	61	173857	1.735	ppbv	100
32) 1,1,1-Trichloroethane	6.61	97	335428	1.808	ppbv	98
34) 2-Butanone	5.32	43	265624	1.901	ppbv	98
35) Carbon Tetrachloride	7.12	117	355819	1.962	ppbv	99
36) Benzene	6.99	78	349890	1.733	ppbv	96
37) 1,2-Dichloroethane	6.40	62	257951	1.936	ppbv	100
38) Trichloroethene	7.95	130	148026	1.933	ppbv	93
39) 1,2-Dichloropropane	7.72	63	133720	1.767	ppbv	95
40) 1,4-Dioxane	7.95	88	49303	1.544	ppbv #	54
41) Tetrahydrofuran	6.14	42	131068	1.706	ppbv	98
42) Bromodichloromethane	7.90	83	340326	1.875	ppbv	99
43) Methyl Methacrylate	8.13	69	127509	1.701	ppbv	95

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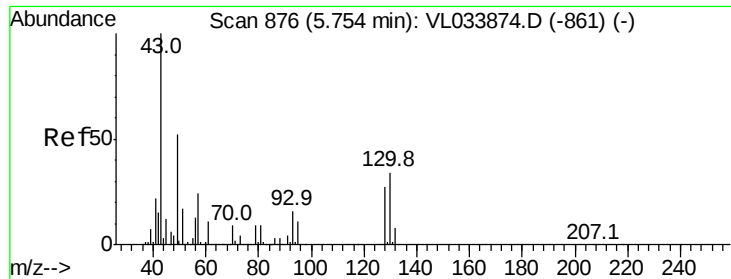
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	629325	1.830	ppbv	97
45) t-1,3-Dichloropropene	9.40	75	156152	1.645	ppbv	99
46) cis-1,3-Dichloropropene	8.82	75	185510	1.676	ppbv	100
47) 1,1,2-Trichloroethane	9.60	97	155852	1.798	ppbv	99
48) Dibromochloromethane	10.44	129	281270	1.864	ppbv	99
49) Bromoform	13.19	173	244010	1.886	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	391489	1.839	ppbv	98
51) 2-Hexanone	10.26	43	311459	1.874	ppbv #	96
52) Tetrachloroethene	11.36	164	131481	1.828	ppbv	96
53) Toluene	9.93	91	386223	1.759	ppbv	99
54) 1,2-Dibromoethane	10.75	107	236332	1.789	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.27	131	201676	1.929	ppbv #	1
57) Chlorobenzene	12.29	112	348884	1.880	ppbv	95
58) Ethyl Benzene	12.85	91	548071	1.849	ppbv	99
59) m/p-Xylene	13.13	91	992722m	3.812	ppbv	
60) o-Xylene	13.83	91	516522	1.949	ppbv	98
61) Styrene	13.67	104	329301	1.864	ppbv	98
62) Isopropylbenzene	14.81	105	677869	1.902	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.82	83	384885	1.987	ppbv	100
64) n-propylbenzene	15.70	120	179648	1.953	ppbv	96
65) tert-Butylbenzene	16.89	119	653088	2.006	ppbv	96
66) Benzyl Chloride	17.14	91	281851	1.814	ppbv	100
67) sec-Butylbenzene	17.44	105	912040	1.999	ppbv	99
69) p-Isopropyltoluene	17.80	119	762816	2.021	ppbv	99
70) n-Butylbenzene	18.70	91	842116	2.076	ppbv	98
71) 2-Chlorotoluene	15.60	91	523198	1.981	ppbv	97
72) 4-Ethyltoluene	15.98	105	593749	1.962	ppbv	98
73) 1,3,5-Trimethylbenzene	16.14	105	579449	1.958	ppbv	95
74) 1,2,4-Trimethylbenzene	16.91	105	668310	2.070	ppbv #	92
75) 1,3-Dichlorobenzene	17.15	146	402348	2.030	ppbv	99
76) 1,4-Dichlorobenzene	17.29	146	375827	1.999	ppbv	99
77) 1,2-Dichlorobenzene	17.97	146	369579	1.983	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	312021	2.234	ppbv	98
79) Naphthalene	22.39	128	564041	1.947	ppbv	96
80) Naphthalene, 2-methyl-	25.10	142	204522	1.961	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.12	180	342953	1.982	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 964524

Ion Ratio Lower Upper

49 100

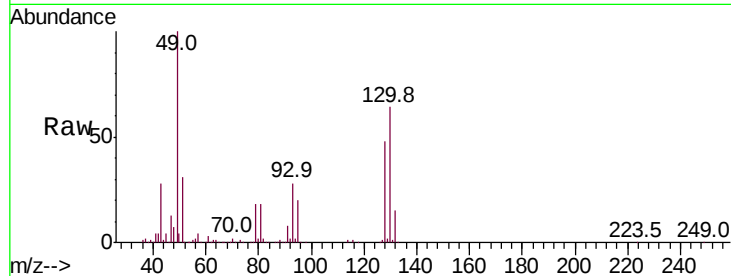
128 50.3 25.5 76.5

130 65.4 32.5 97.4

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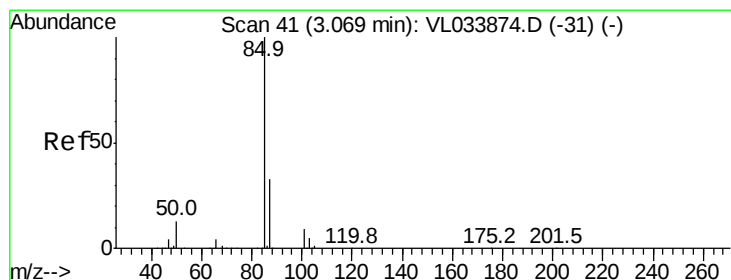
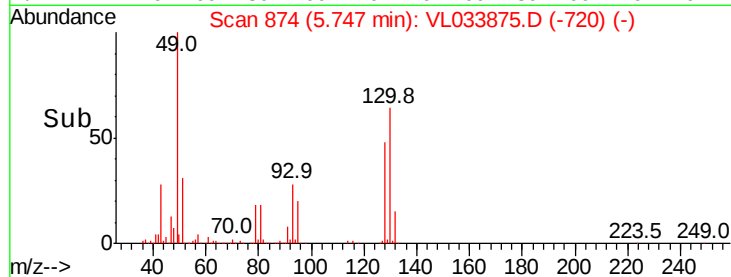
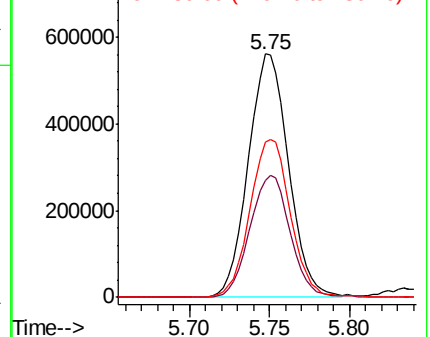
6/11/2019 9:18:15 AM



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: 1.504 ppbv

RT: 3.07 min Scan# 41

Delta R.T. -0.00 min

Lab File: VL033875.D

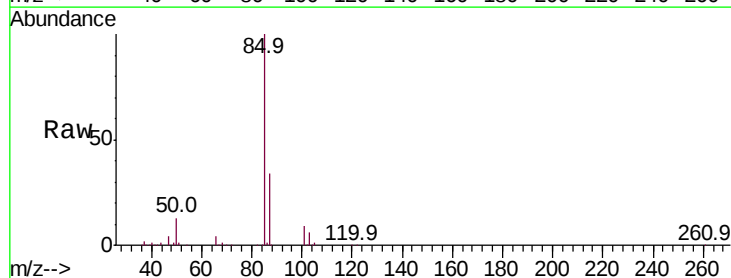
Acq: 7 Jun 2019 2:44

Tgt Ion: 85 Resp: 293022

Ion Ratio Lower Upper

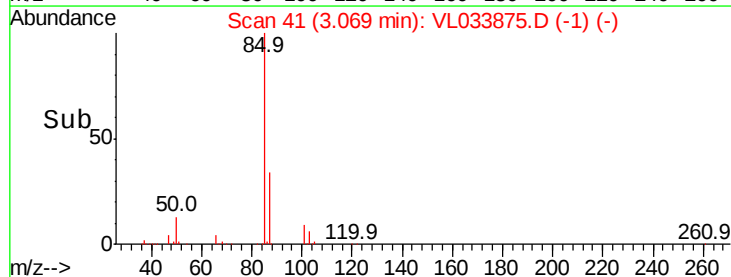
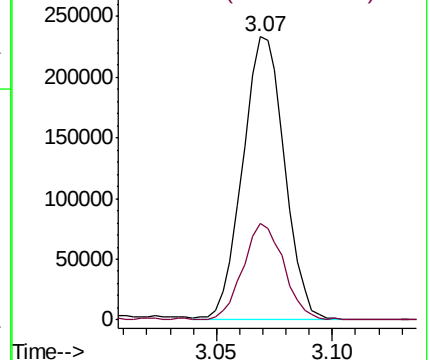
85 100

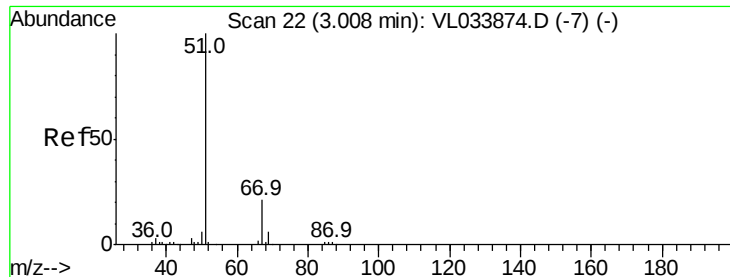
87 33.9 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.069 ppbv

RT: 3.01 min Scan# 22

Delta R.T. 0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 229735

Ion Ratio Lower Upper

51 100

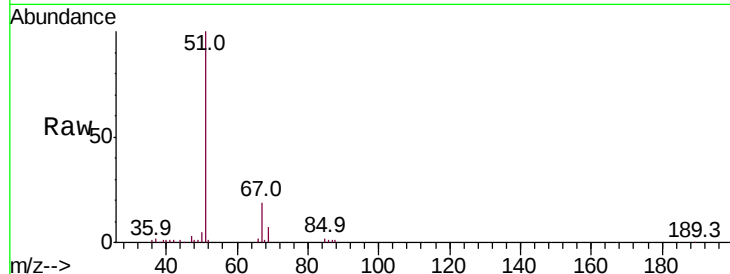
67 19.6 16.4 24.6

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

200000

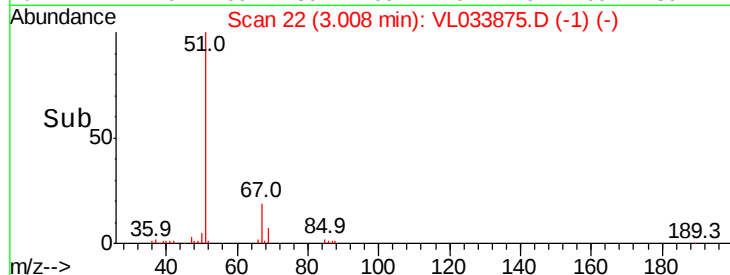
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100000

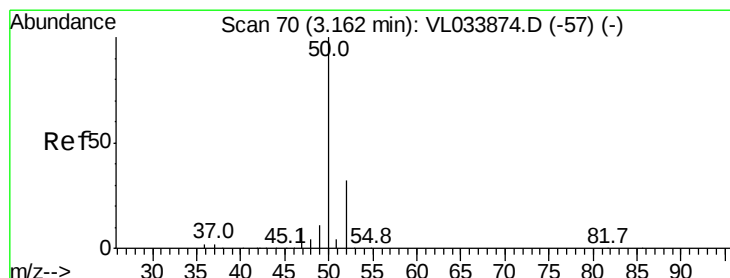
50000

0

Time-->



Time-->



#4

Chloromethane

Concen: 2.127 ppbv

RT: 3.17 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL033875.D

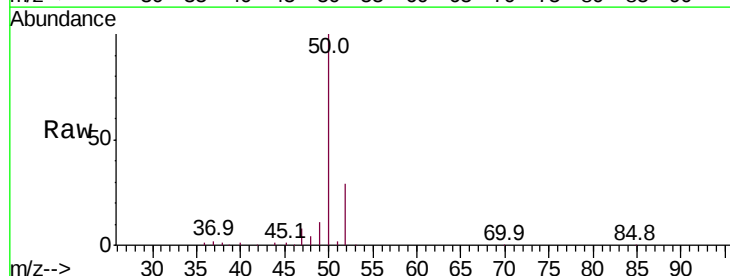
Acq: 7 Jun 2019 2:44

Tgt Ion: 50 Resp: 135067

Ion Ratio Lower Upper

50 100

52 29.1 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

120000

100000

80000

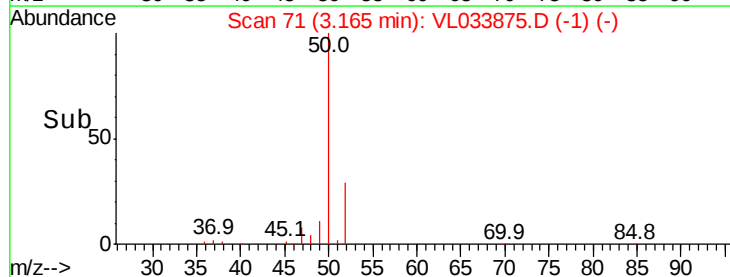
60000

40000

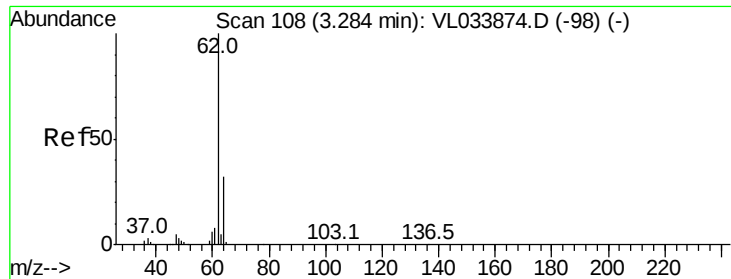
20000

0

Time-->



Time-->



#5

Vinyl Chloride

Concen: 1.979 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampled :

VSTDIC002

Tot Ion: 62 Resp: 128084

Ion Ratio Lower Upper

62 100

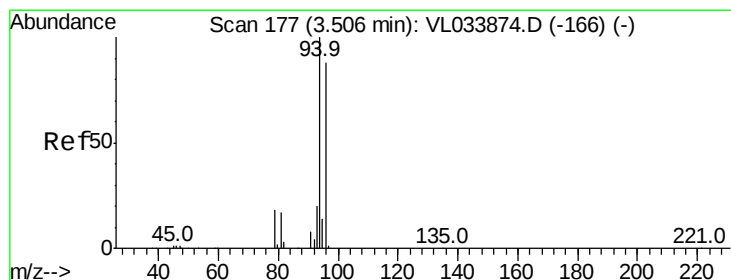
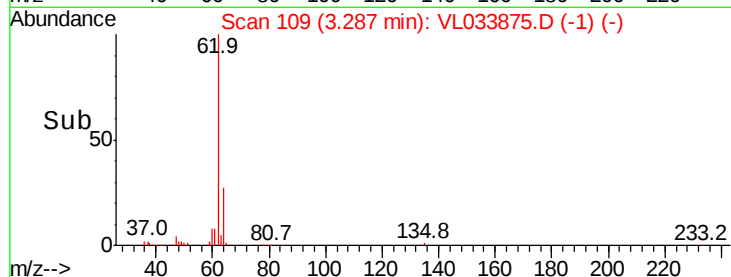
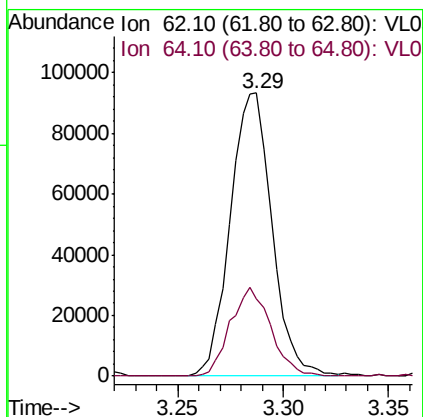
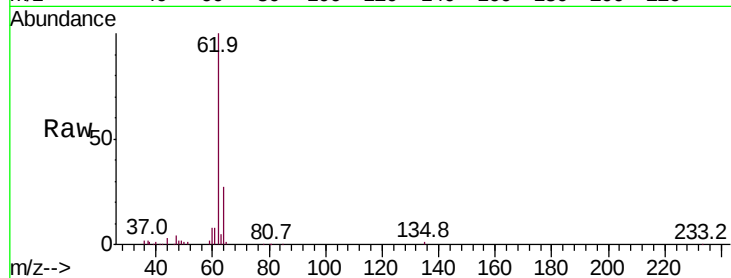
64 27.1 25.2 37.8

Manual Integrations

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6/11/2019 9:18:15 AM



#6

Bromomethane

Concen: 2.033 ppbv

RT: 3.51 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL033875.D

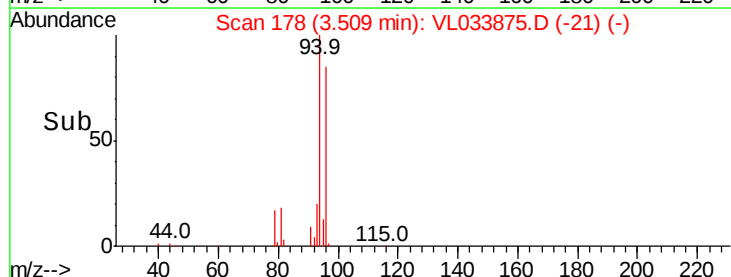
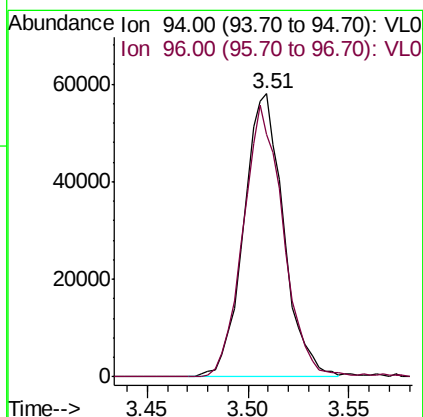
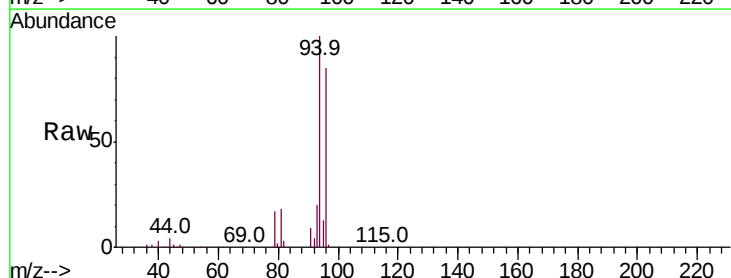
Acq: 7 Jun 2019 2:44

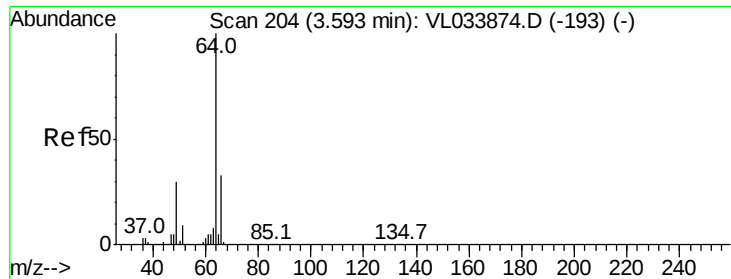
Tgt Ion: 94 Resp: 80353

Ion Ratio Lower Upper

94 100

96 85.4 70.2 105.2





#7

Chloroethane

Concen: 2.061 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 47617

Ion Ratio Lower Upper

64 100

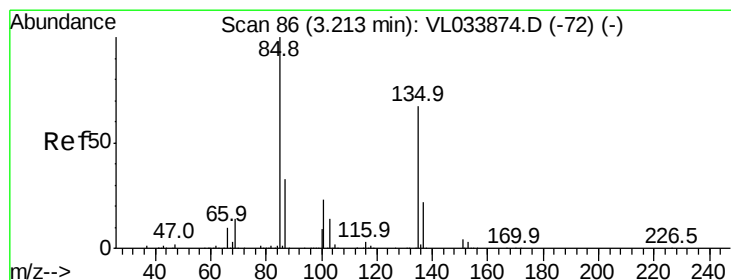
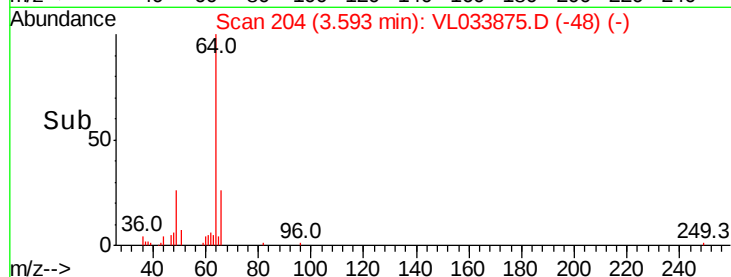
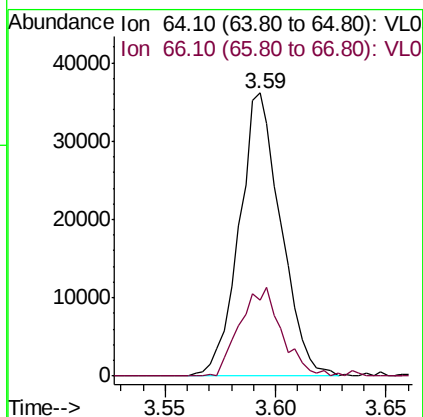
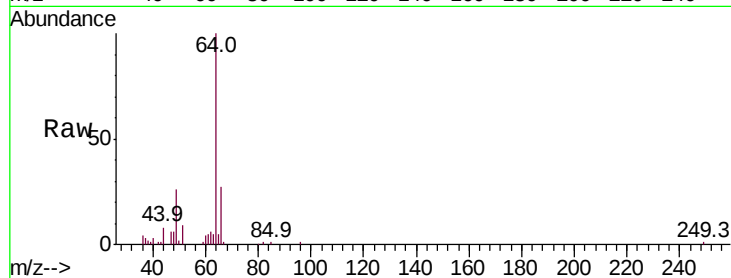
66 27.6 26.7 40.1

Manual Integrations

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6/11/2019 9:18:15 AM



#8

Dichlorotetrafluoroethane

Concen: 2.070 ppbv

RT: 3.21 min Scan# 86

Delta R.T. 0.00 min

Lab File: VL033875.D

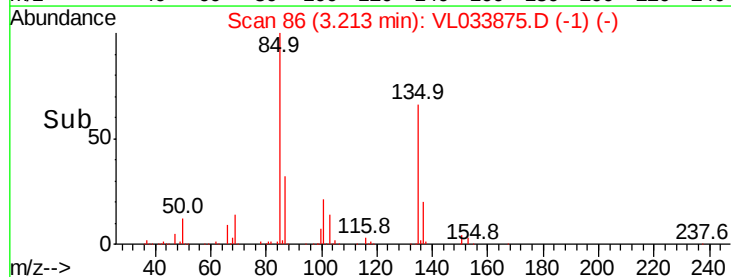
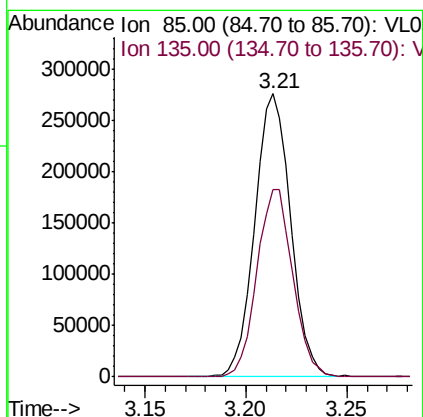
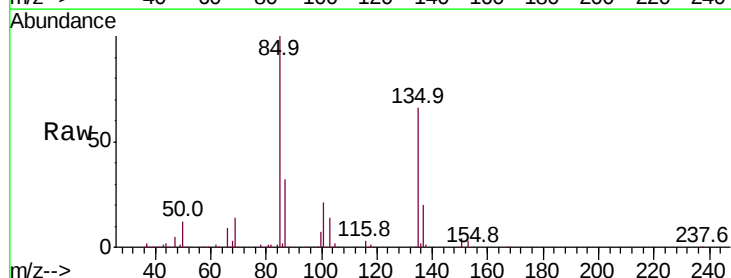
Acq: 7 Jun 2019 2:44

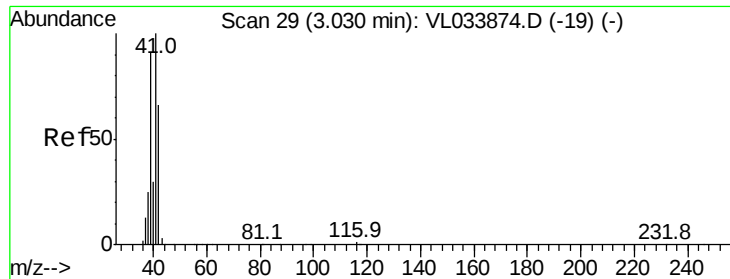
Tgt Ion: 85 Resp: 344001

Ion Ratio Lower Upper

85 100

135 66.3 53.7 80.5





#9

Propene

Concen: 1.889 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 87479

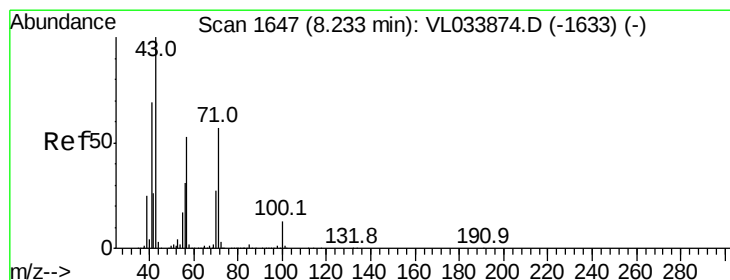
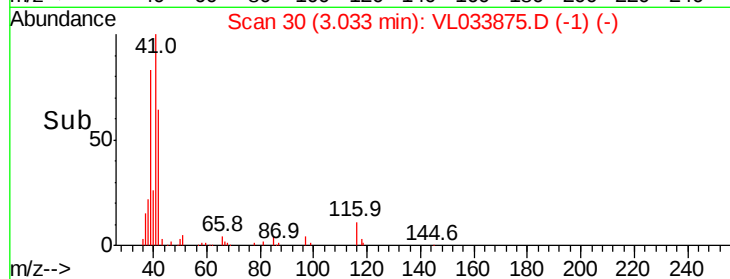
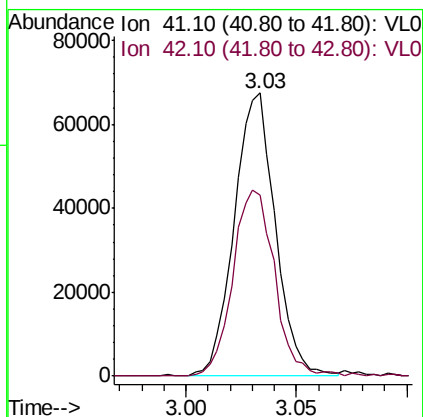
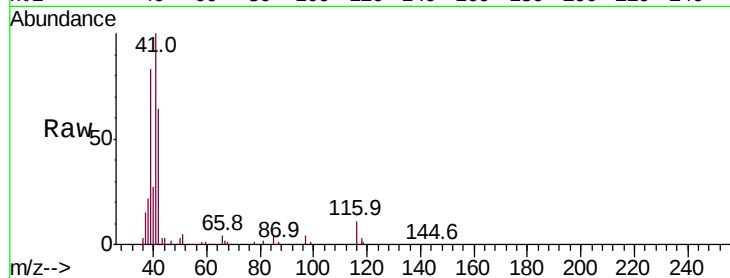
Ion Ratio Lower Upper

41 100

42 67.1 56.3 84.5

Manual Integrations
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6/11/2019 9:18:15 AM



#10

Heptane

Concen: 1.634 ppbv

RT: 8.23 min Scan# 1647

Delta R.T. -0.00 min

Lab File: VL033875.D

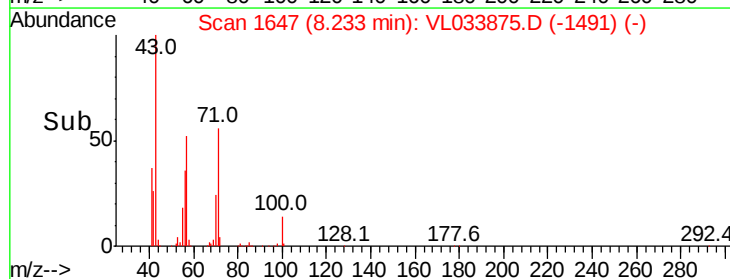
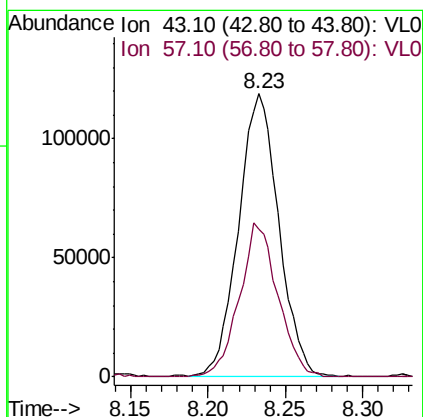
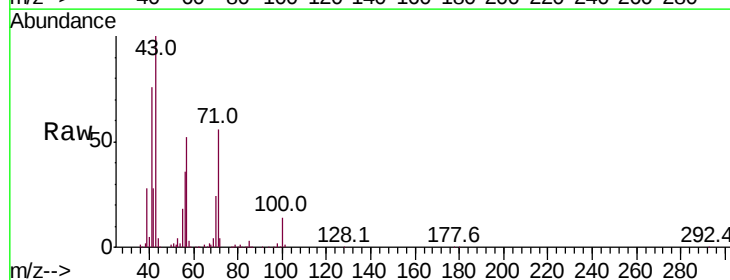
Acq: 7 Jun 2019 2:44

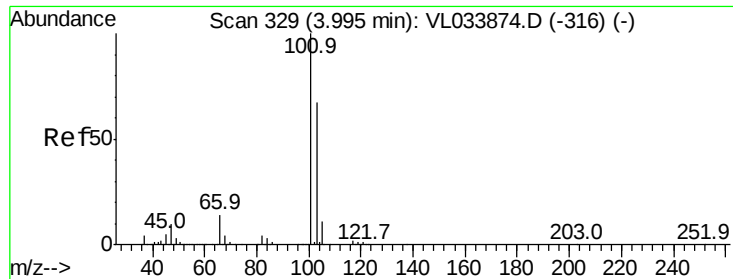
Tgt Ion: 43 Resp: 214117

Ion Ratio Lower Upper

43 100

57 52.4 41.7 62.5





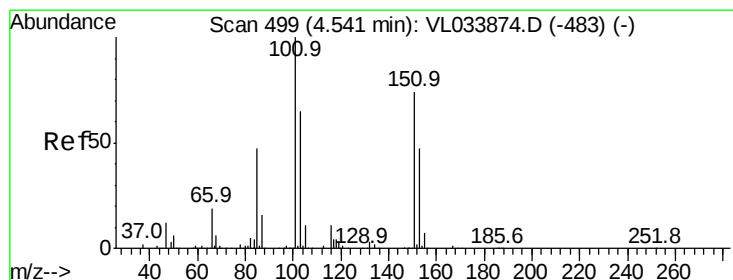
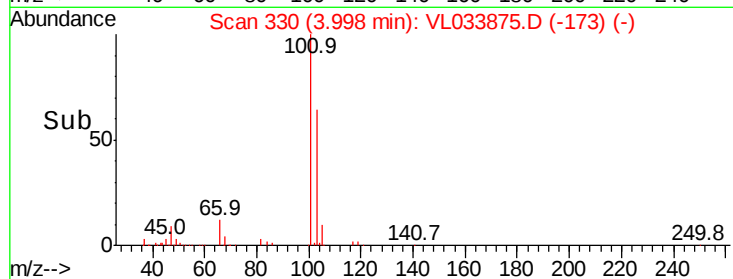
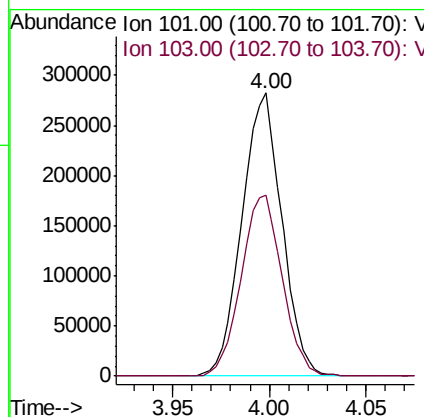
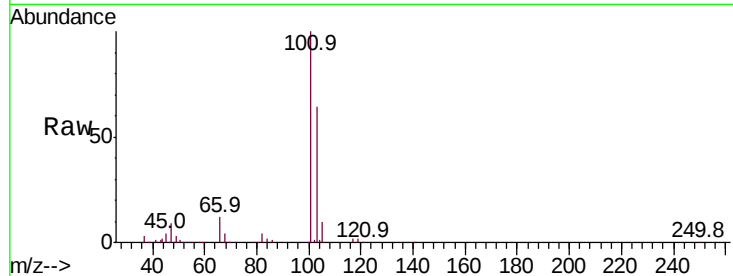
#11
 Trichlorofluoromethane
 Concen: 2.085 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. 0.00 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	53.6	80.4

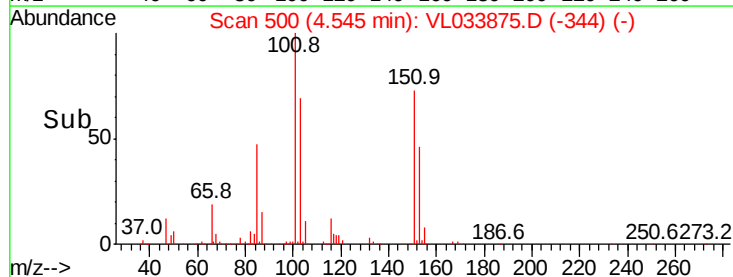
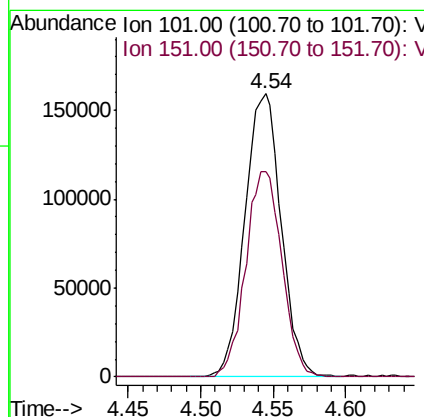
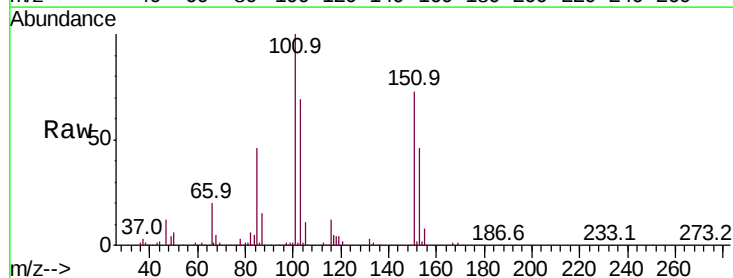
Manual Integrations
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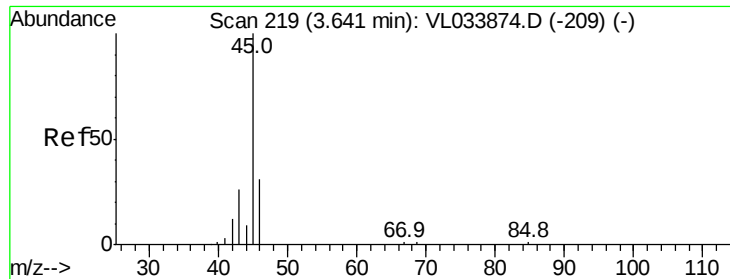
MMDadoda
 6/11/2019 9:18:15 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.040 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
101	100		
151	72.4	58.6	87.8





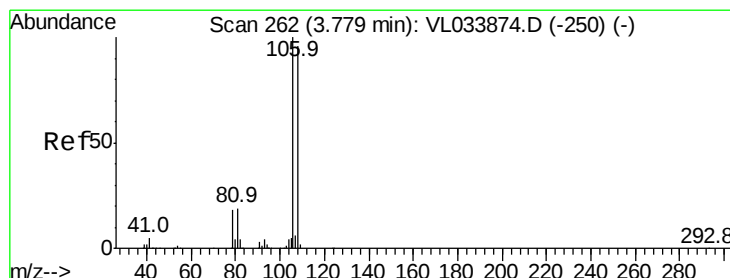
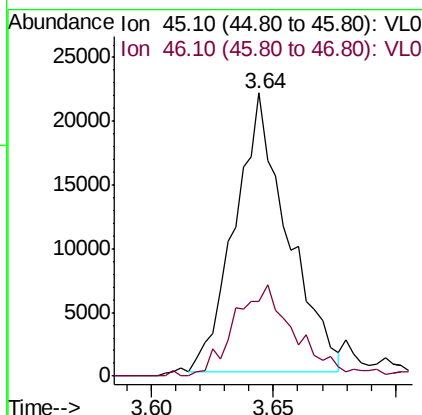
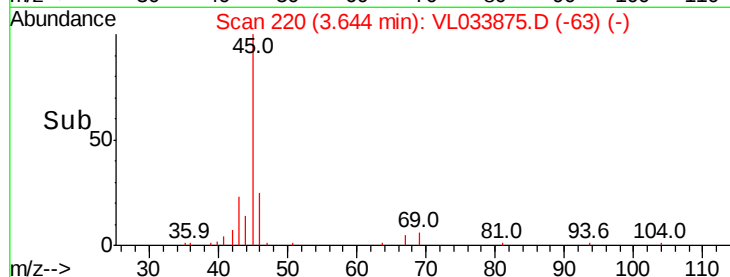
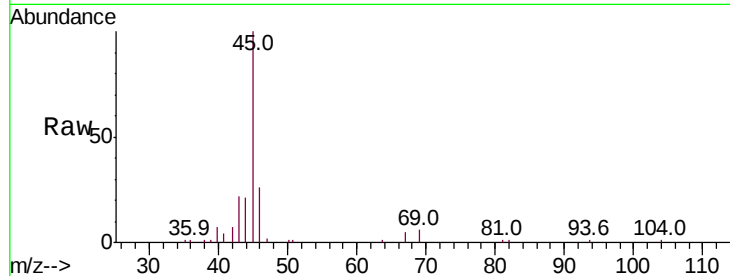
#13
Ethanol
Concen: 2.196 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
46	39.1	15.3	61.1

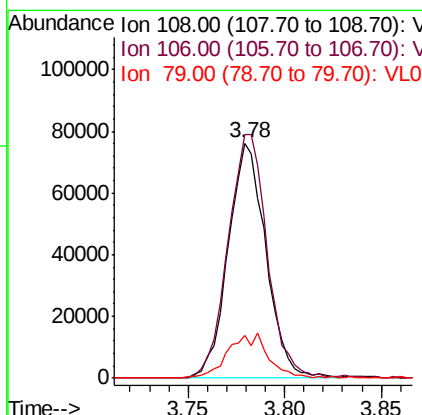
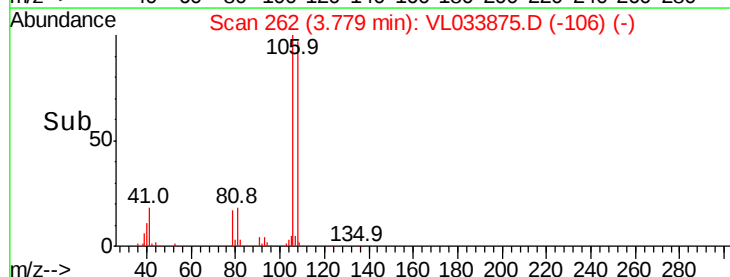
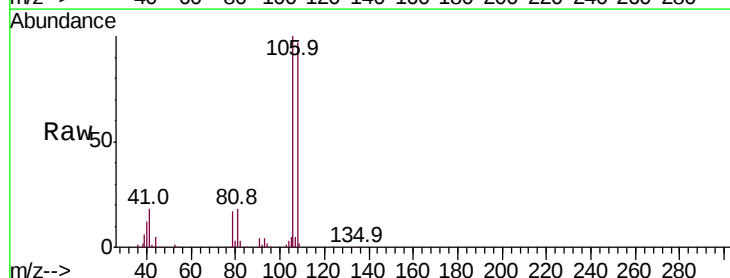
Manual Integrations
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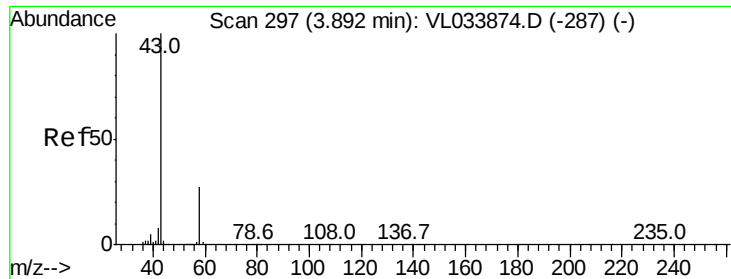
MMDadoda
6/11/2019 9:18:15 AM



#14
Bromoethene
Concen: 2.032 ppbv
RT: 3.78 min Scan# 262
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.2	84.9	127.3
79	19.9	15.4	23.0





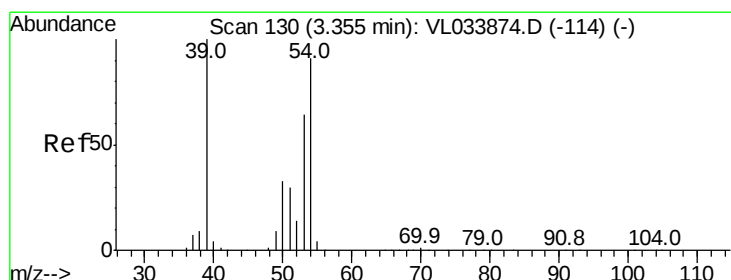
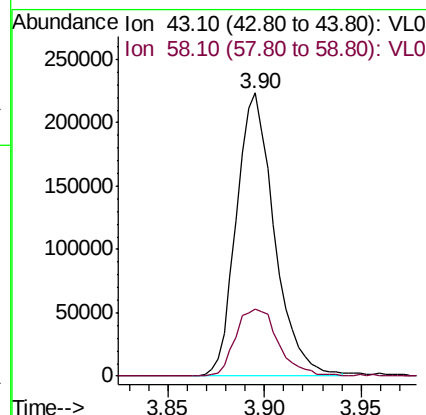
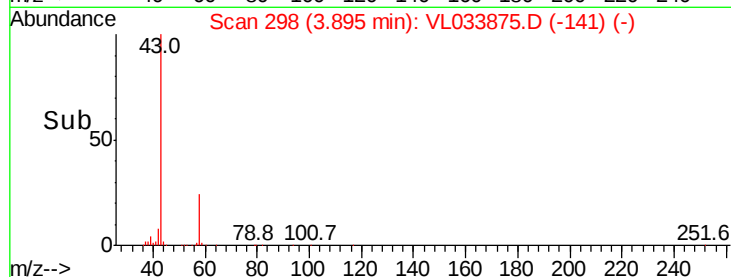
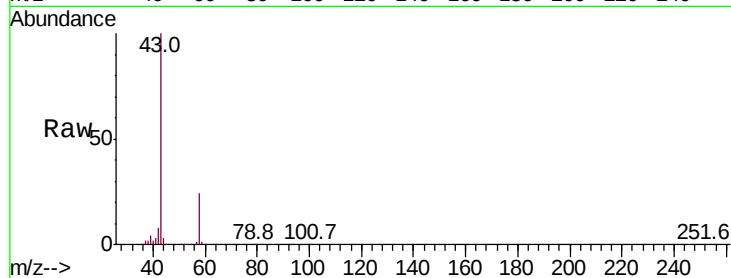
#15
Acetone
Concen: 2.274 ppbv
RT: 3.90 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.3	31.9

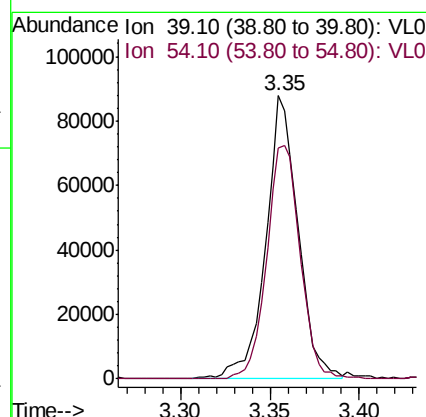
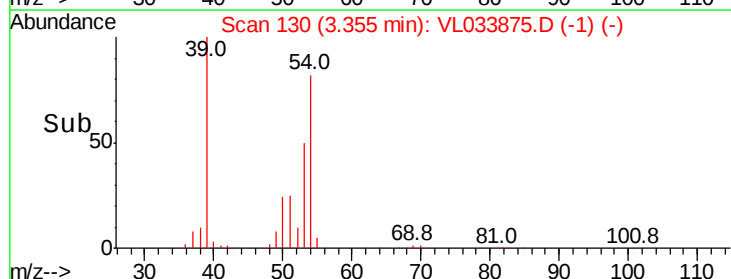
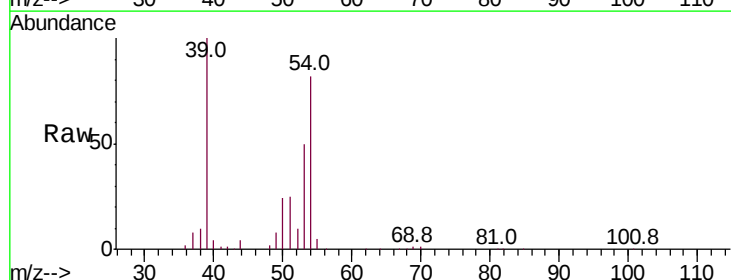
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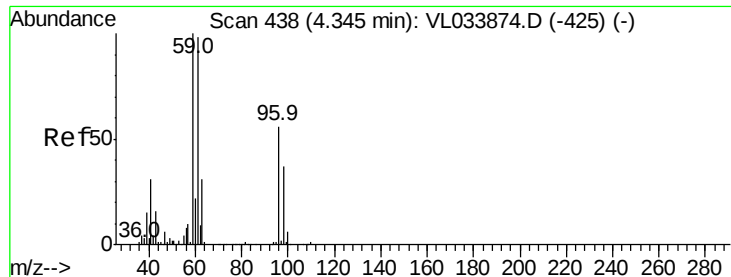
MMDadoda
6/11/2019 9:18:15 AM



#16
1,3-Butadiene
Concen: 2.065 ppbv
RT: 3.35 min Scan# 130
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
39	100		
54	85.1	68.6	103.0





#17

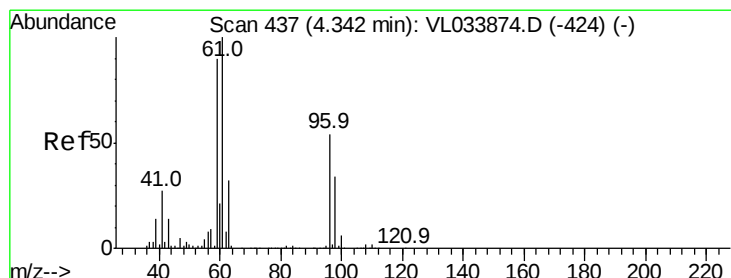
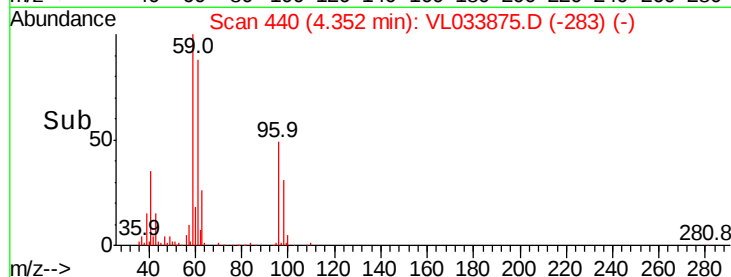
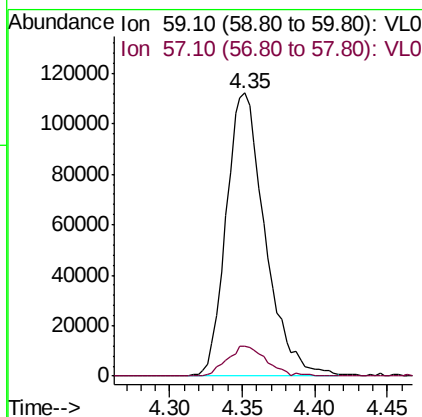
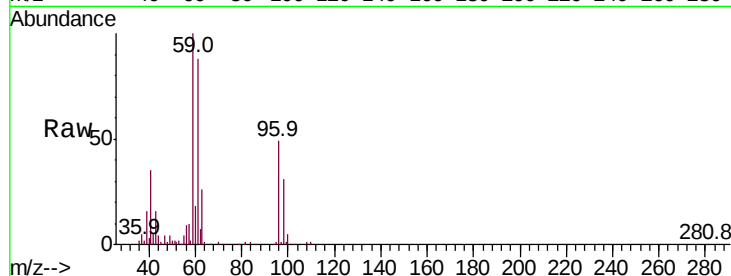
tert-Butyl alcohol
Concen: 1.874 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.01 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	59.10	Resp	208199
Ion Ratio	100	Lower	Upper
57	10.9	8.4	12.6

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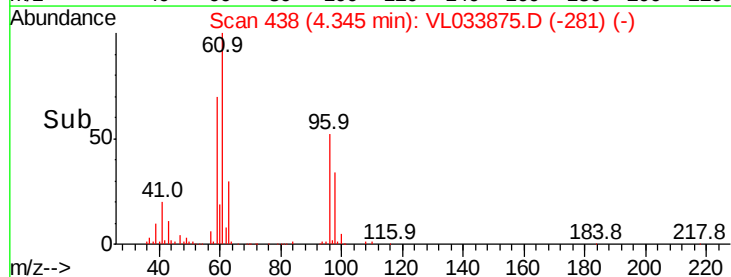
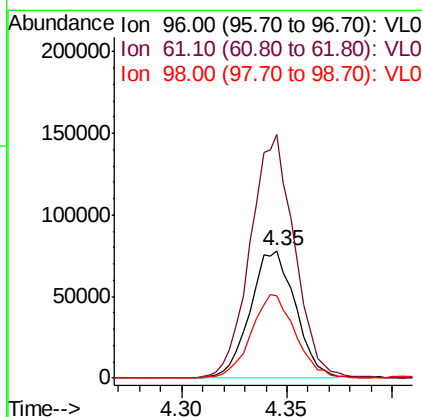
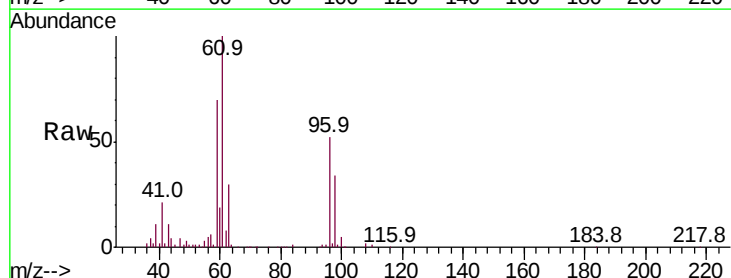
MMDadoda
6/11/2019 9:18:15 AM

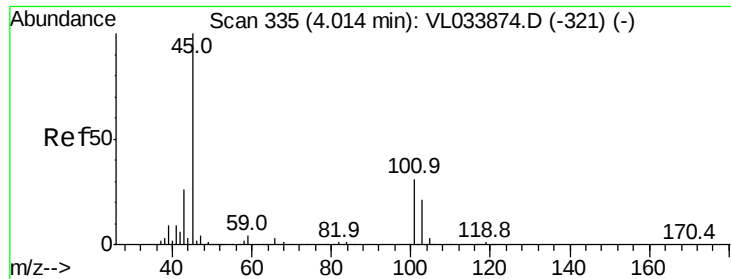


#18

1,1-Dichloroethene
Concen: 2.027 ppbv
RT: 4.35 min Scan# 438
Delta R.T. 0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	96	Resp	116391
Ion Ratio	100	Lower	Upper
61	190.8	147.0	220.6
98	64.5	49.4	74.0





#19

Isopropyl Alcohol

Concen: 1.763 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 153111

Ion Ratio Lower Upper

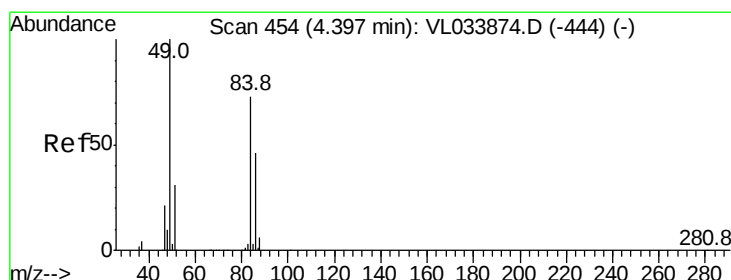
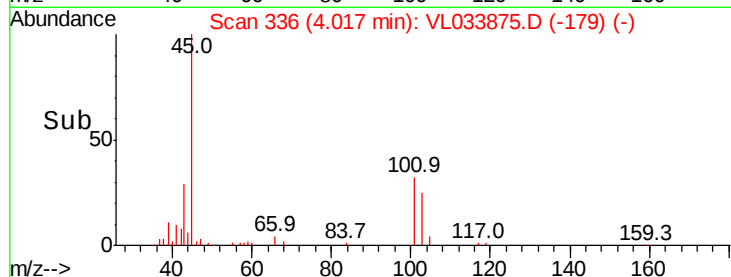
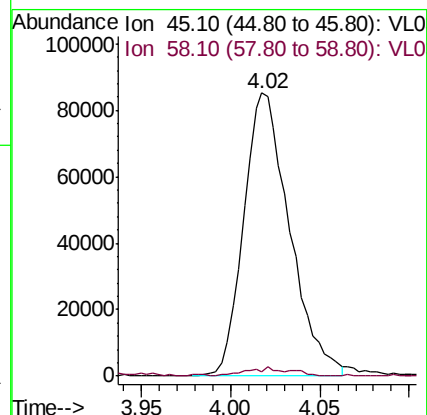
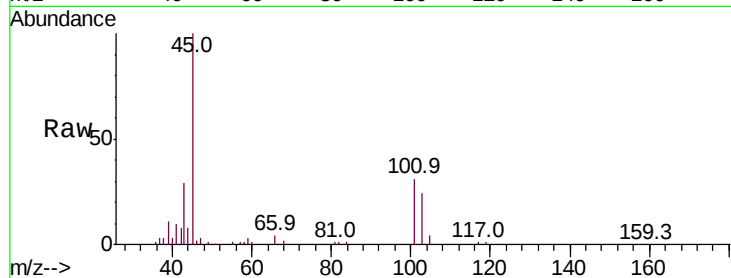
45 100

58 3.7 1.8 2.6#

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#20

Methylene Chloride

Concen: 2.137 ppbv

RT: 4.40 min Scan# 455

Delta R.T. 0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion: 84 Resp: 110928

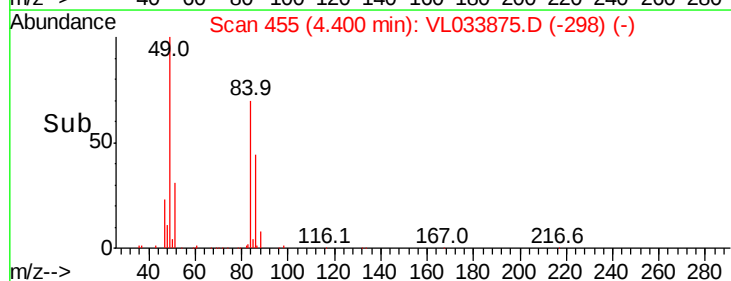
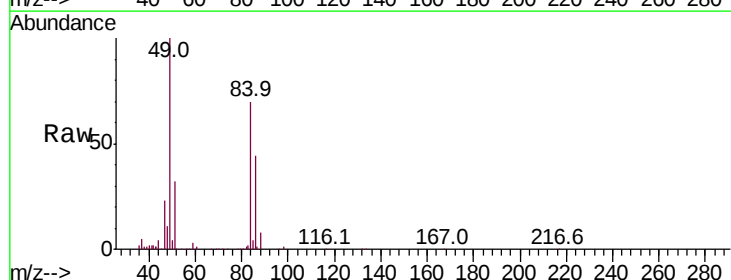
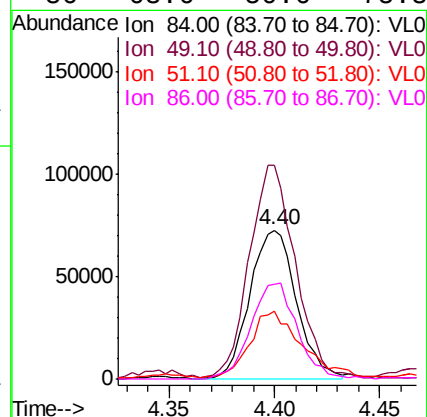
Ion Ratio Lower Upper

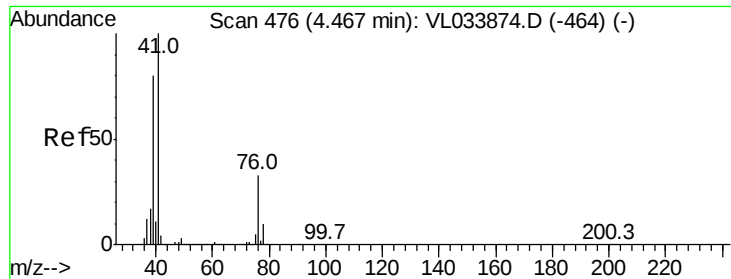
84 100

49 141.5 110.0 165.0

51 43.9 34.6 51.8

86 63.6 50.6 75.8





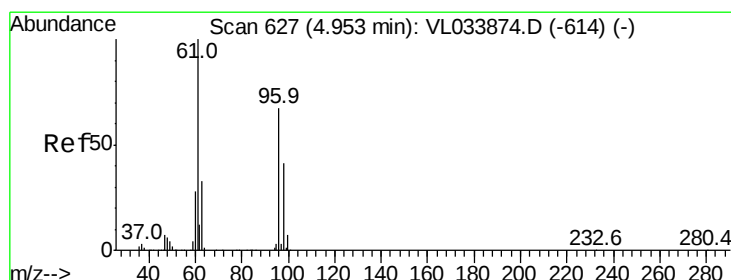
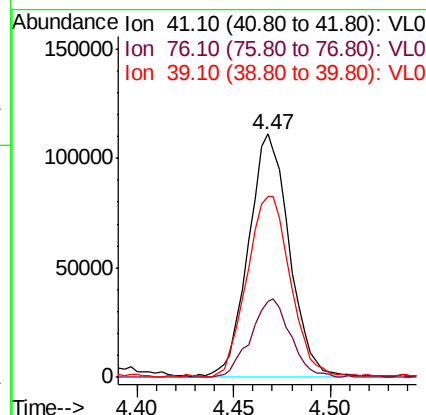
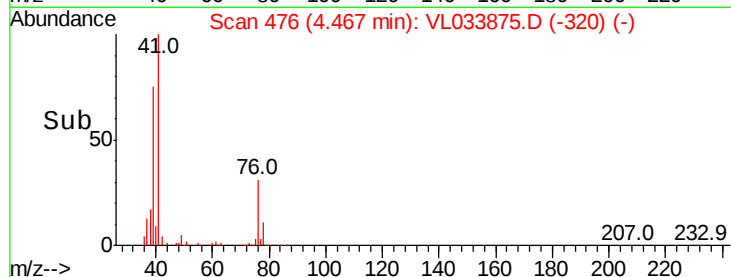
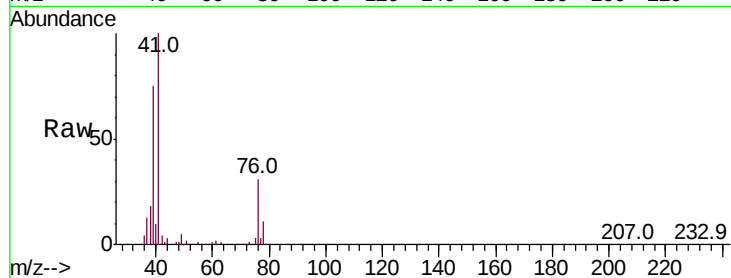
#21
Allvl Chloride
Concen: 1.953 ppbv
RT: 4.47 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.9	26.6	39.8
39	80.6	65.2	97.8

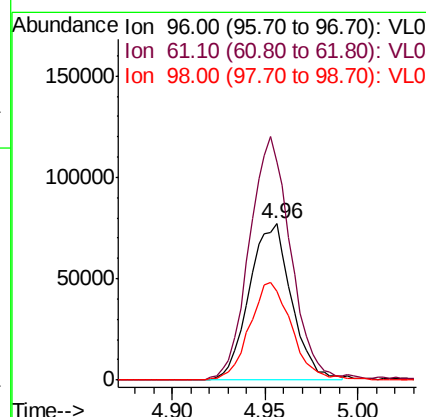
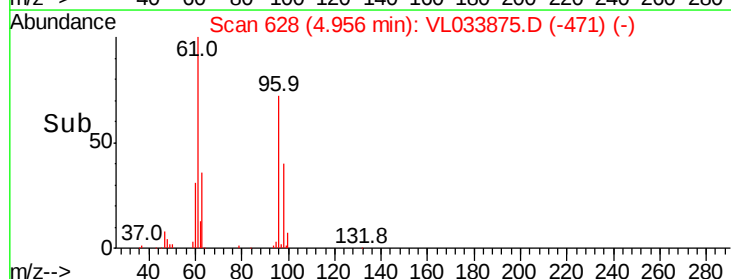
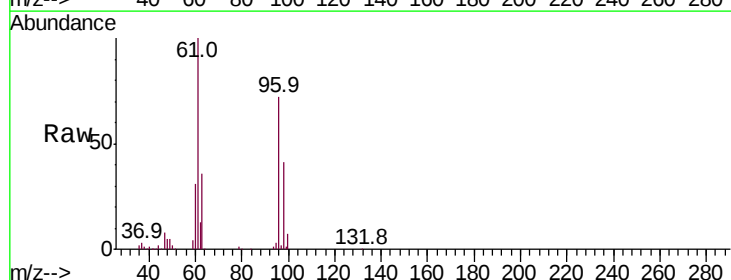
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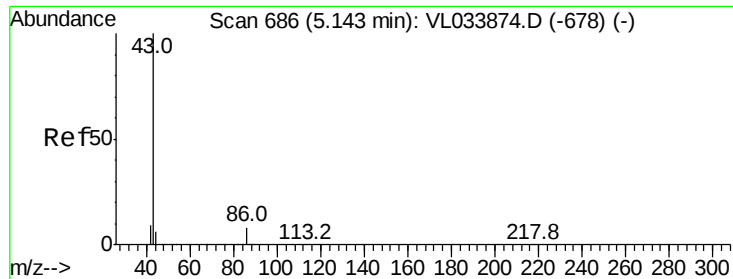
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#22
trans-1,2-Dichloroethene
Concen: 2.039 ppbv
RT: 4.96 min Scan# 628
Delta R.T. 0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.5	119.0	178.6
98	56.6	48.3	72.5





#23

Vinyl Acetate

Concen: 1.957 ppbv

RT: 5.14 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

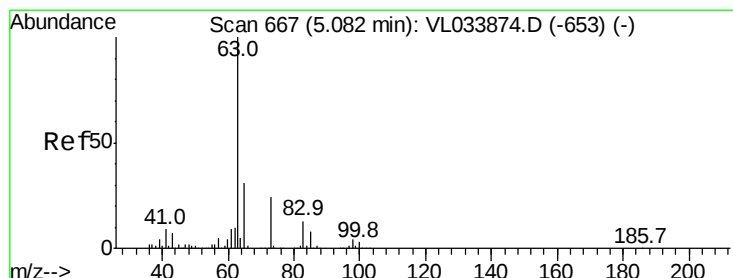
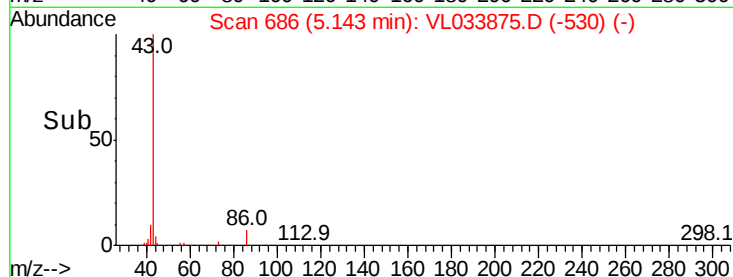
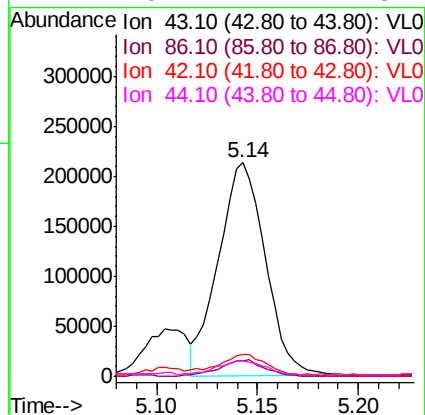
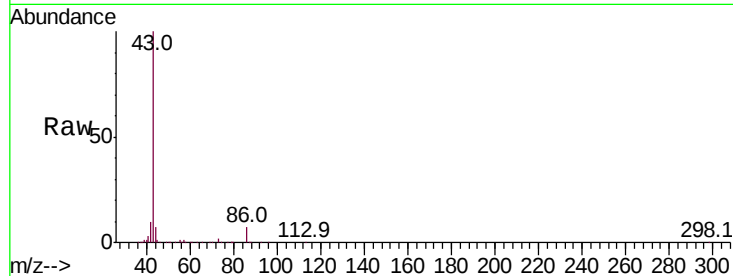
VSTDIC002

Tot Ion: 43 Resp: 343501

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.8	8.8
42	10.1	7.8	11.8
44	6.4	4.2	6.4

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#24

1,1-Dichloroethane

Concen: 1.945 ppbv

RT: 5.08 min Scan# 667

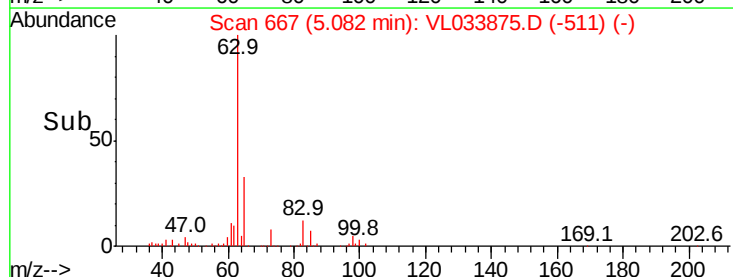
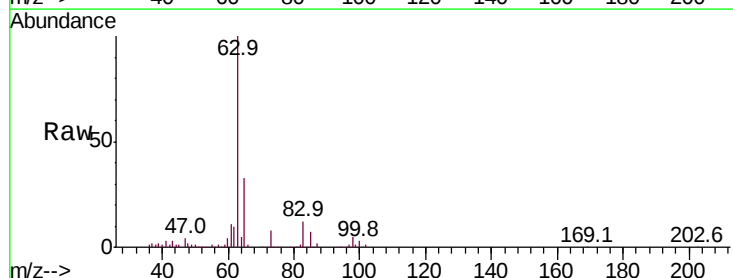
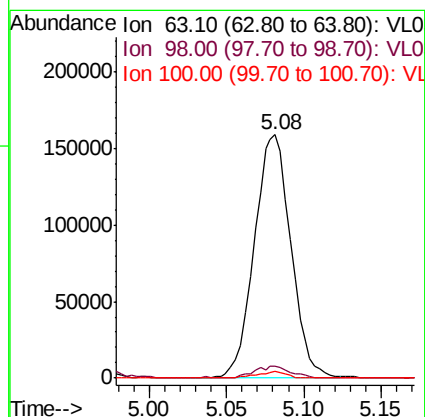
Delta R.T. -0.00 min

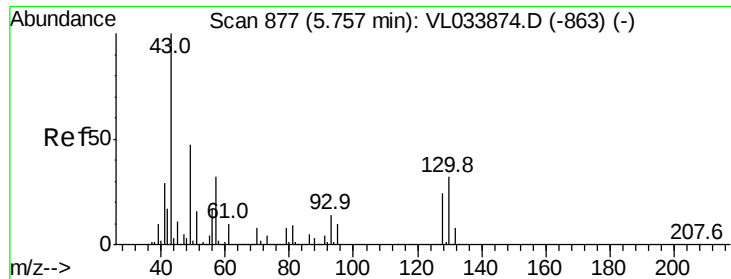
Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion: 63 Resp: 261728

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.2	6.6
100	2.6	1.3	3.8





#25

Ethyl Acetate

Concen: 1.892 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

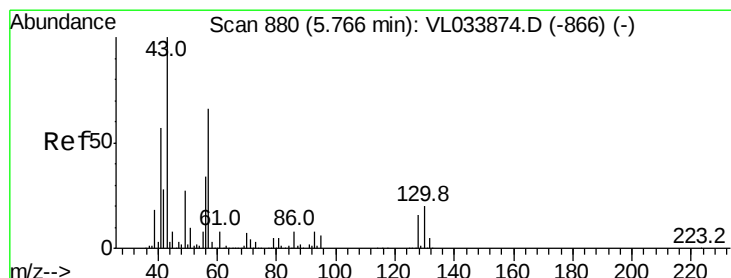
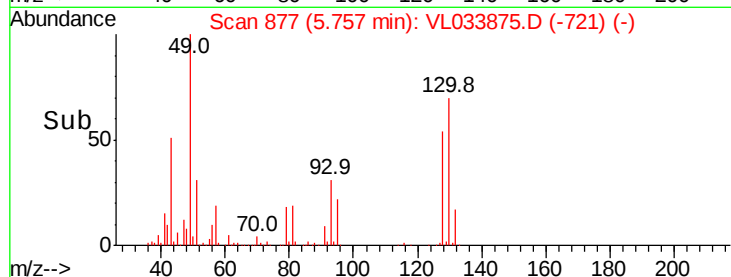
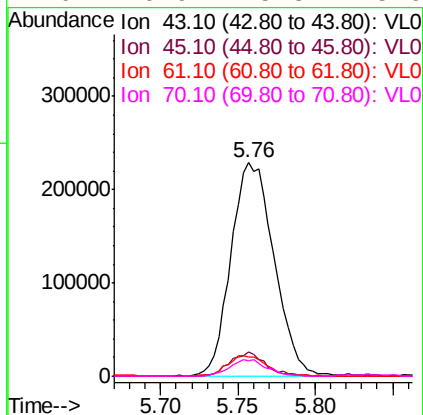
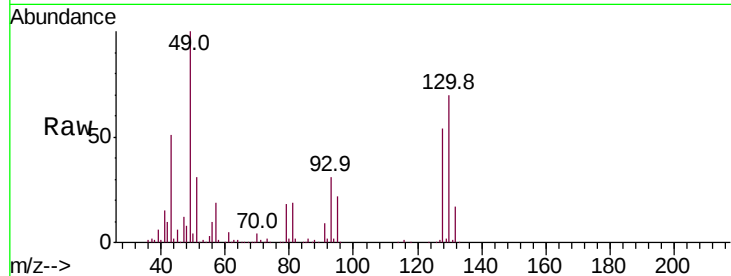
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.0	7.8	11.6
70	6.9	5.8	8.6

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#26

Hexane

Concen: 2.125 ppbv

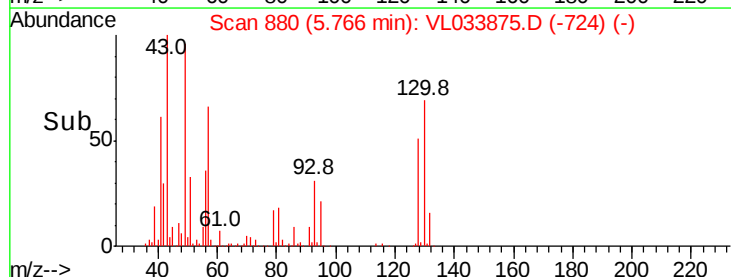
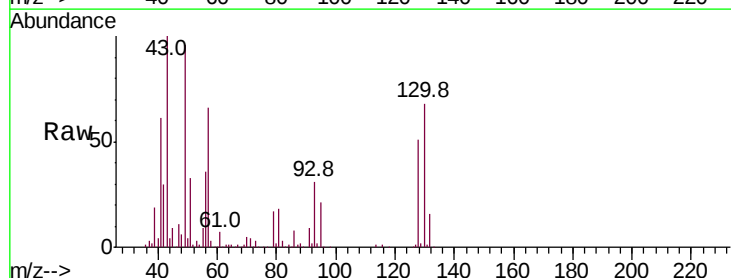
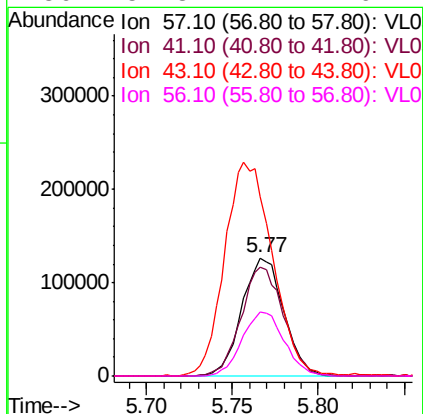
RT: 5.77 min Scan# 880

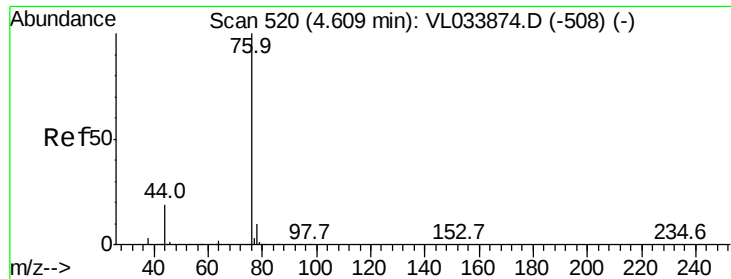
Delta R.T. 0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
57	100		
41	94.0	71.4	107.2
43	211.1	183.7	275.5
56	54.8	42.7	64.1





#27

Carbon Disulfide

Concen: 1.955 ppbv

RT: 4.61 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

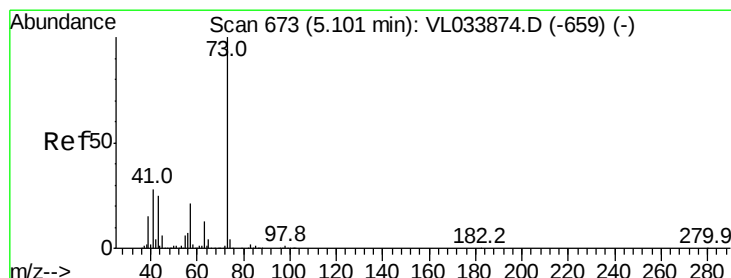
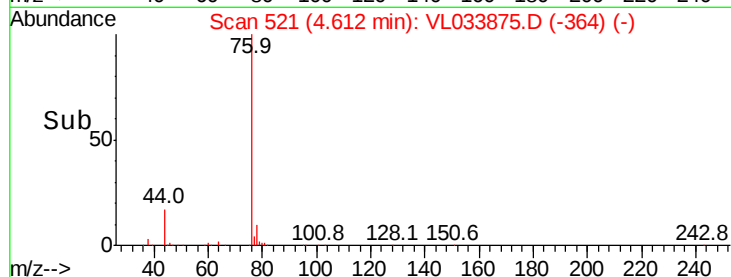
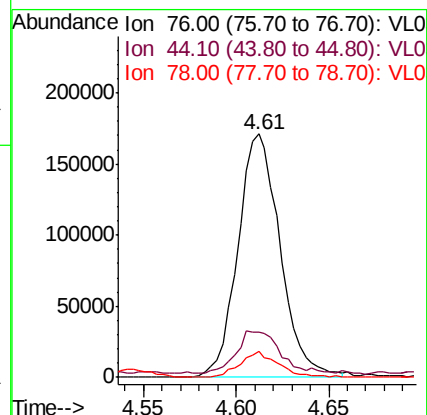
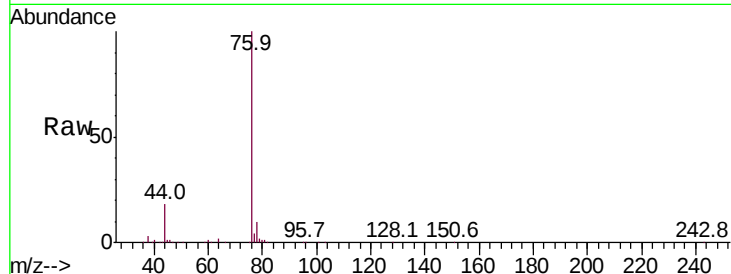
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	271569
Ion Ratio	Lower	Upper	
76	100		
44	17.9	14.4	21.6
78	10.1	7.5	11.3

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.876 ppbv

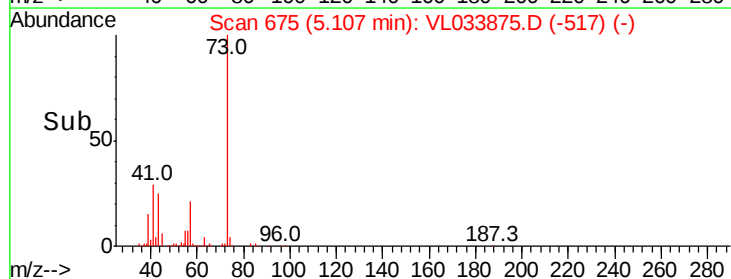
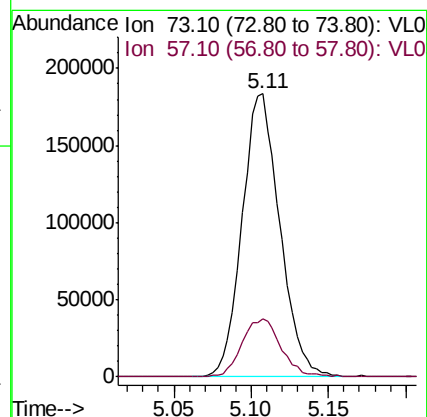
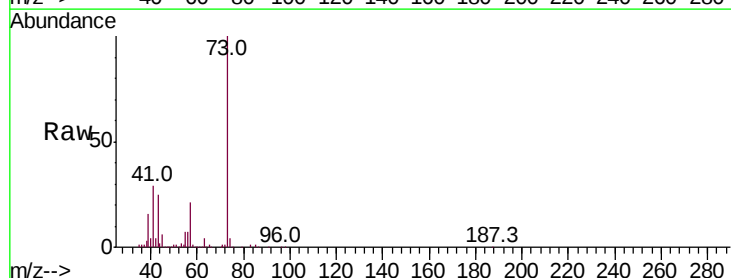
RT: 5.11 min Scan# 675

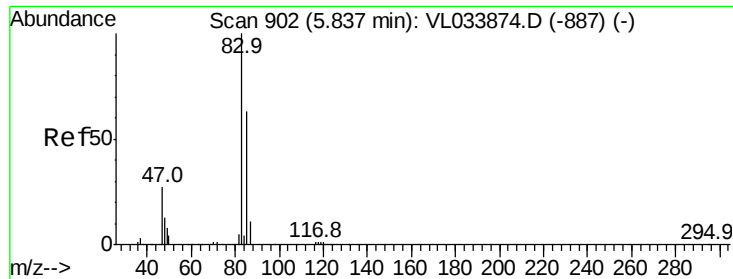
Delta R.T. 0.01 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion:	73	Resp:	310855
Ion Ratio	Lower	Upper	
73	100		
57	21.5	17.2	25.8





#29

Chloroform

Concen: 1.834 ppbv

RT: 5.83 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 83 Resp: 340029

Ion Ratio Lower Upper

83 100

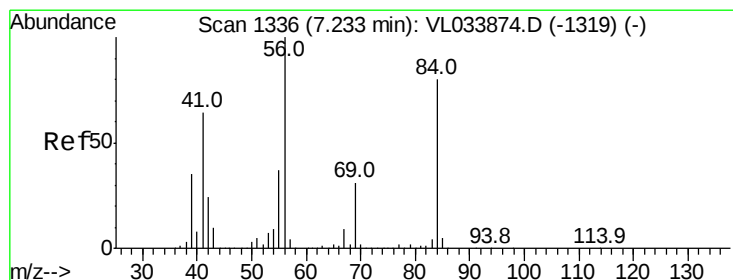
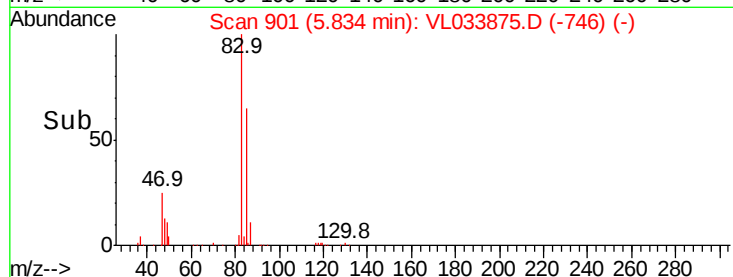
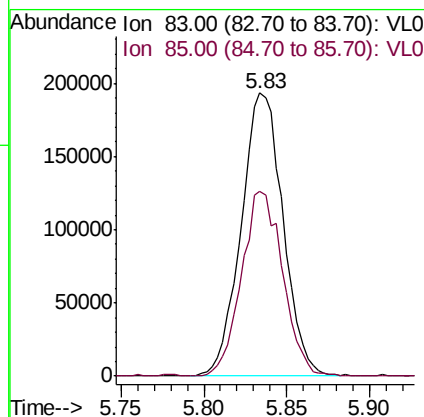
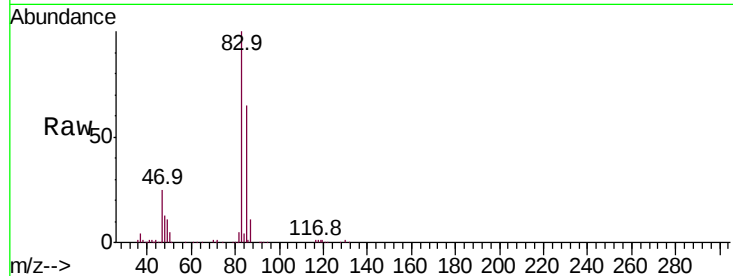
85 65.3 50.5 75.7

Manual Integrations

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#30

Cyclohexane

Concen: 1.629 ppbv

RT: 7.23 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

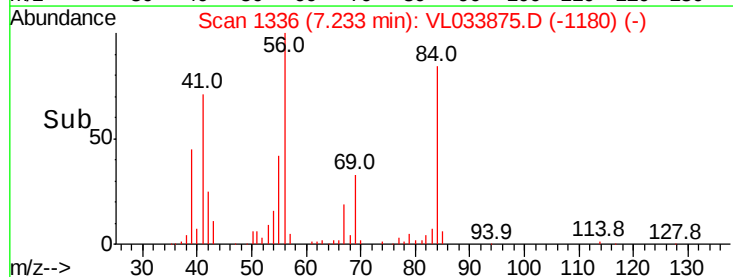
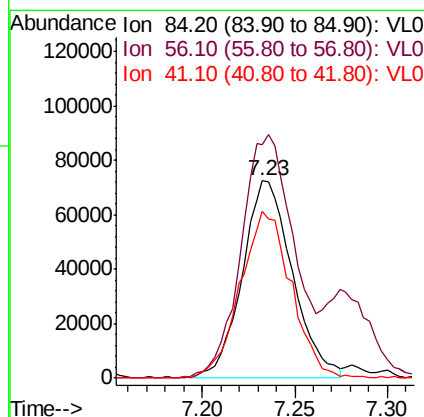
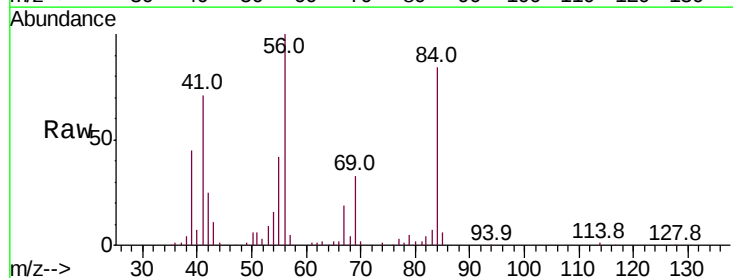
Tgt Ion: 84 Resp: 136082

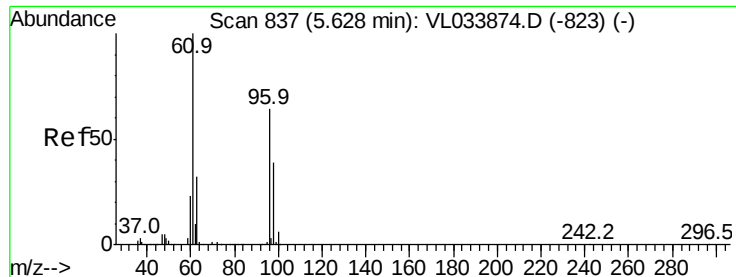
Ion Ratio Lower Upper

84 100

56 170.4 105.8 158.8#

41 86.4 65.7 98.5





#31

cis-1,2-Dichloroethene

Concen: 1.735 ppbv

RT: 5.63 min Scan# 838

Delta R.T. 0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

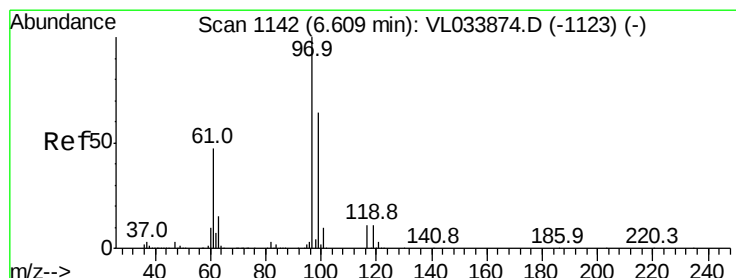
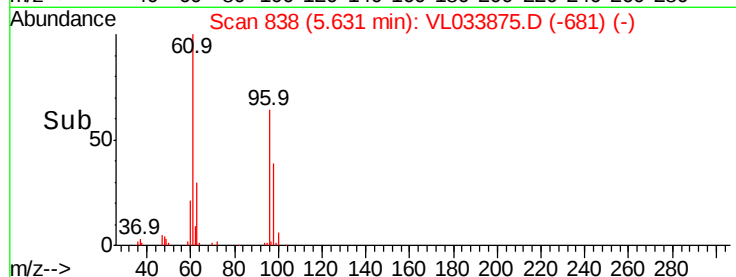
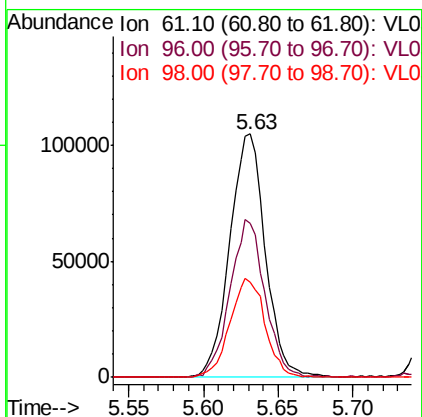
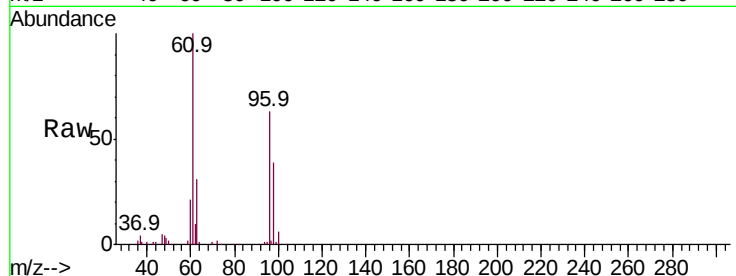
ClientSampleId :

VSTDIC002

Tot Ion:	61	Resp:	173857
Ion Ratio		Lower	Upper
61	100		
96	63.5	50.9	76.3
98	39.2	31.4	47.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 1.808 ppbv

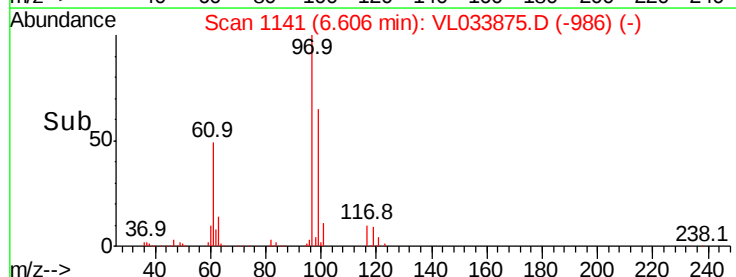
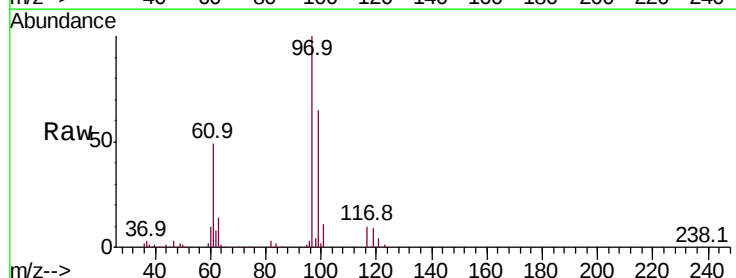
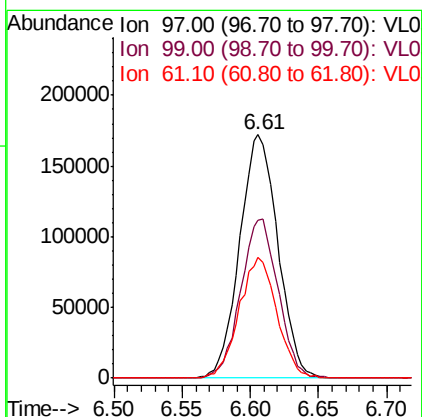
RT: 6.61 min Scan# 1141

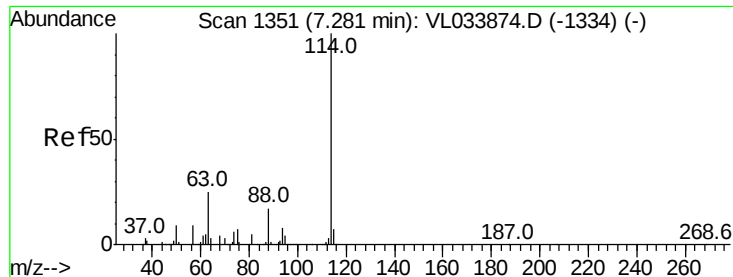
Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion:	97	Resp:	335428
Ion Ratio		Lower	Upper
97	100		
99	63.8	51.7	77.5
61	49.1	37.7	56.5





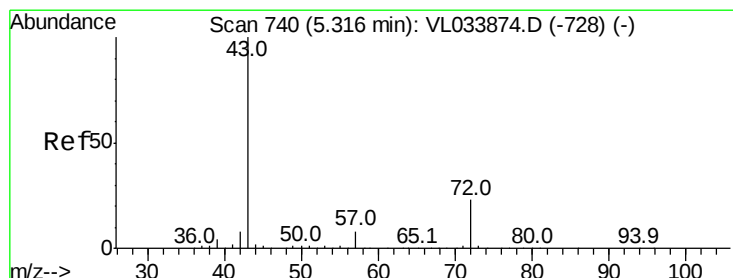
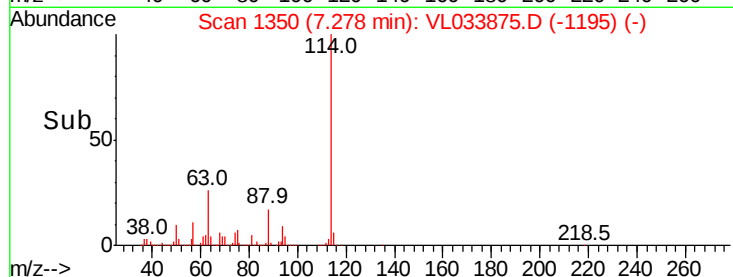
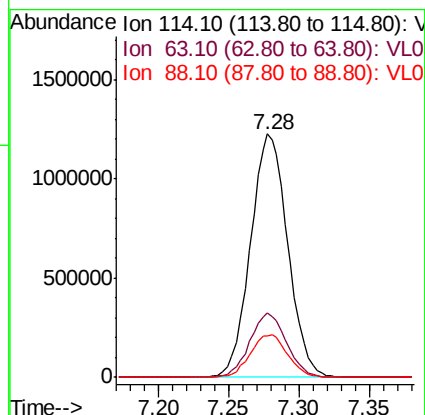
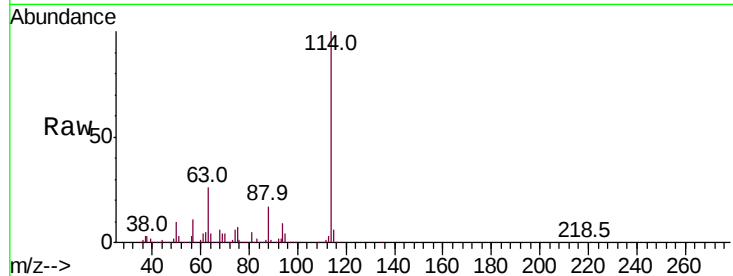
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.1	31.7
88	17.8	14.2	21.4

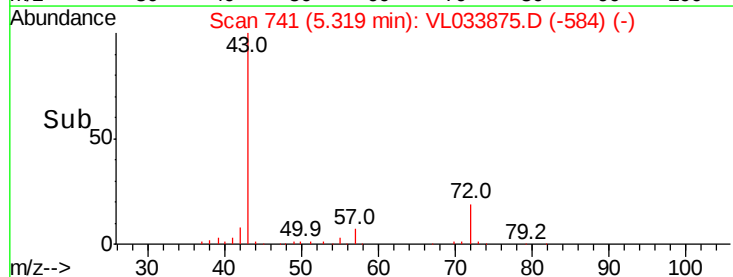
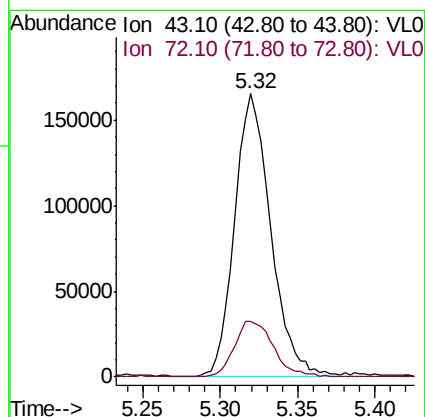
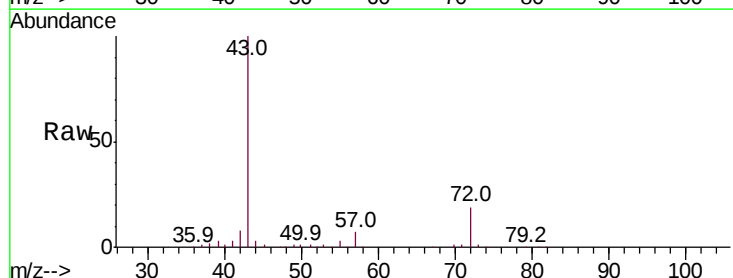
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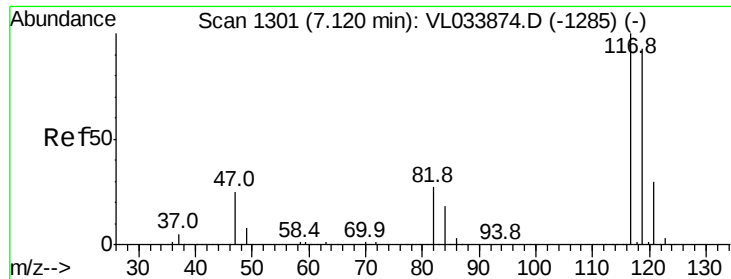
MMDadoda
 6/11/2019 9:18:15 AM



#34
 2-Butanone
 Concen: 1.901 ppbv
 RT: 5.32 min Scan# 741
 Delta R.T. 0.00 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.9	26.9





#35

Carbon Tetrachloride

Concen: 1.962 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

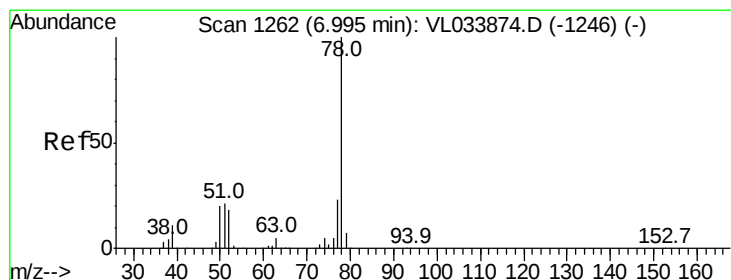
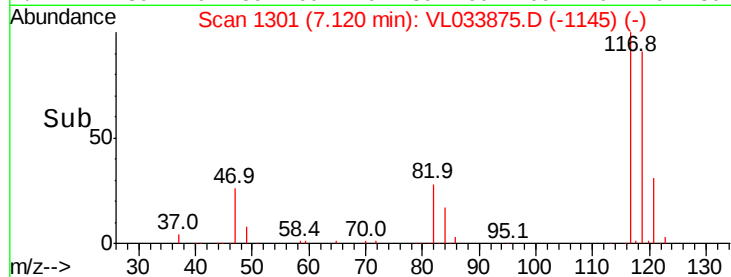
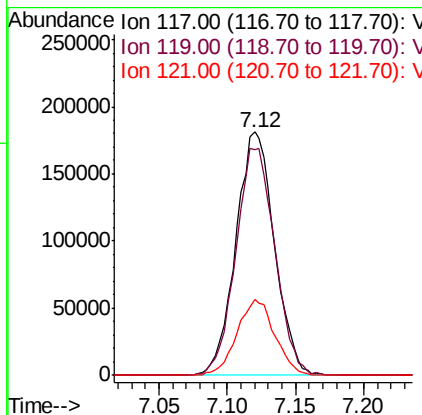
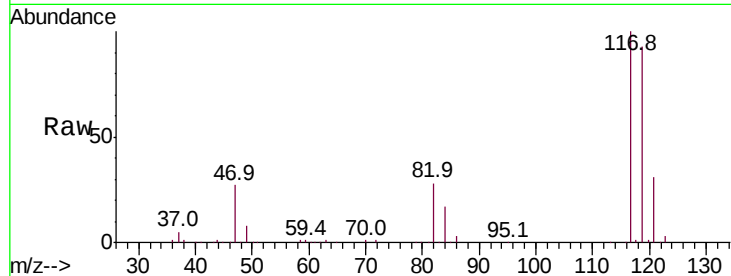
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	355819
Ion Ratio	Lower	Upper	
117	100		
119	91.8	74.6	111.8
121	30.8	24.0	36.0

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#36

Benzene

Concen: 1.733 ppbv

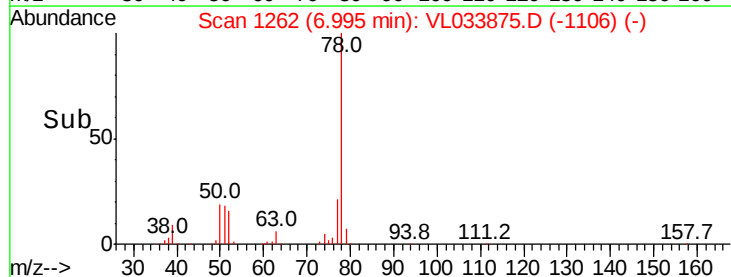
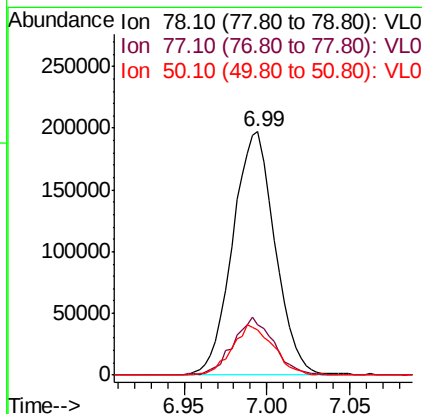
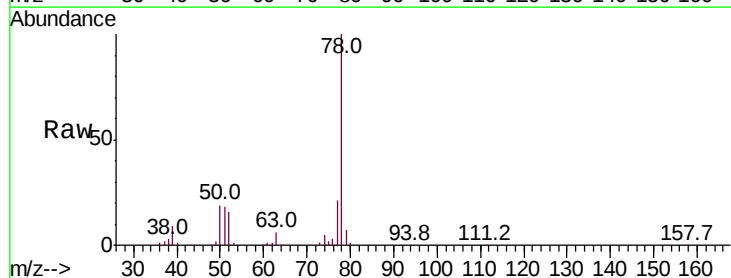
RT: 6.99 min Scan# 1262

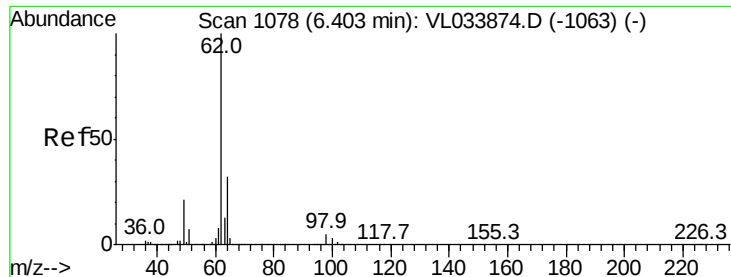
Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion:	78	Resp:	349890
Ion Ratio	Lower	Upper	
78	100		
77	20.8	18.2	27.2
50	18.5	15.9	23.9





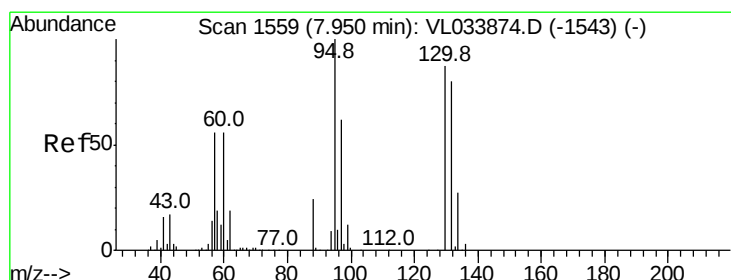
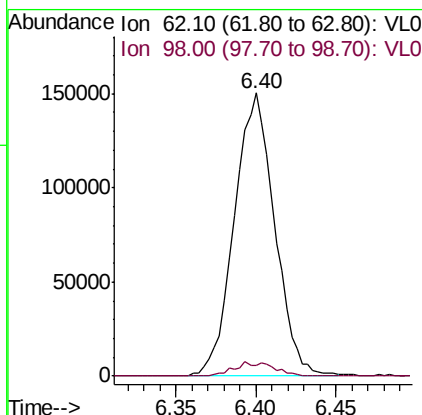
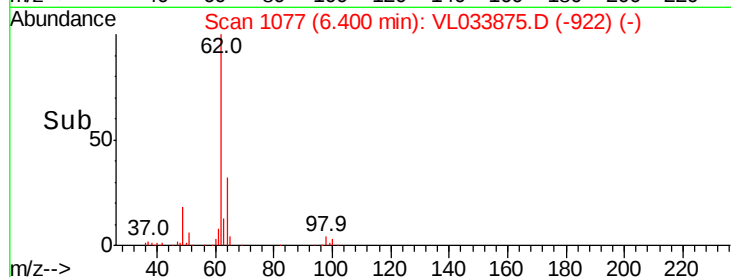
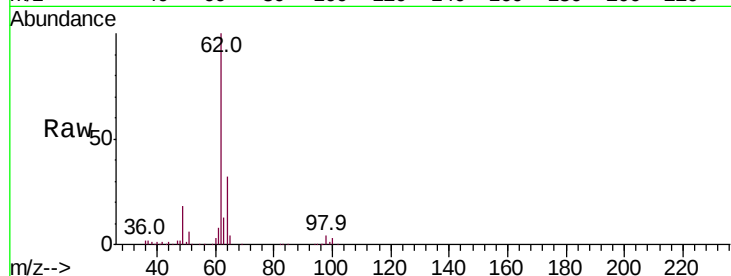
#37
1,2-Dichloroethane
Concen: 1.936 ppbv
RT: 6.40 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp Lower	Upper
62	100		
98	5.0	4.0	6.0

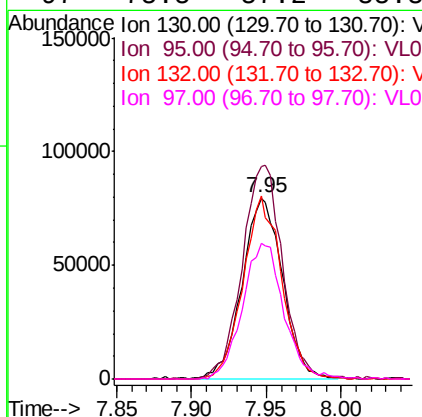
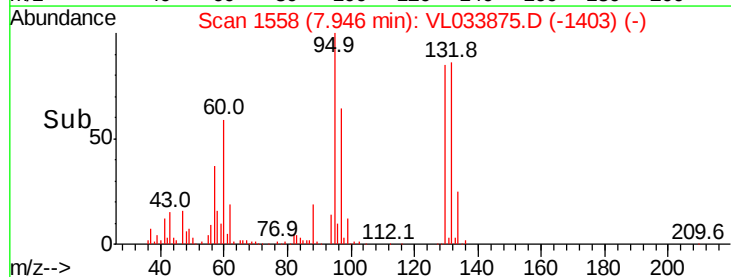
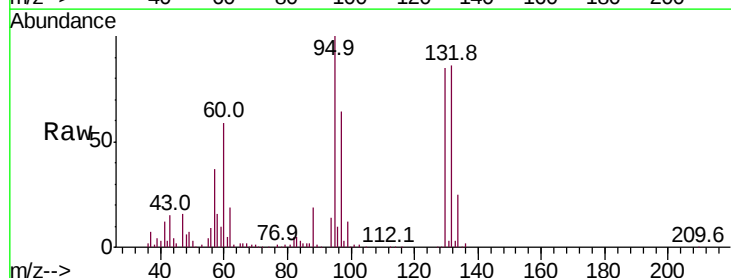
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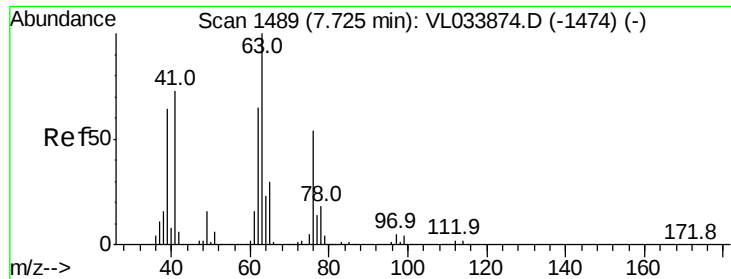
MMDadoda
6/11/2019 9:18:15 AM



#38
Trichloroethene
Concen: 1.933 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Resp Lower	Upper
130	100		
95	117.9	92.0	138.0
132	104.8	73.8	110.8
97	75.5	57.2	85.8





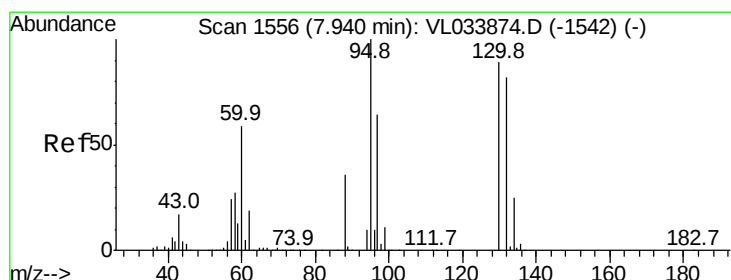
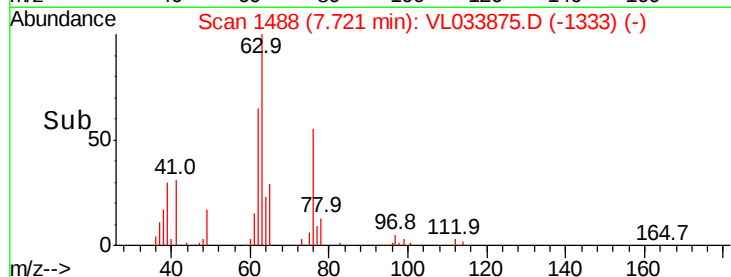
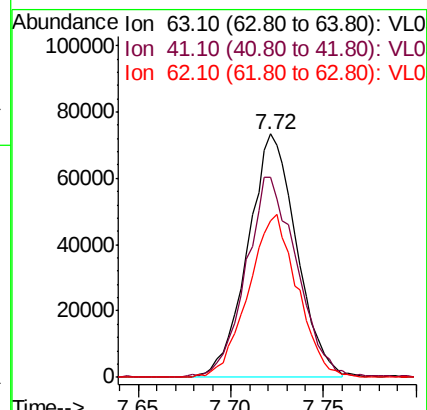
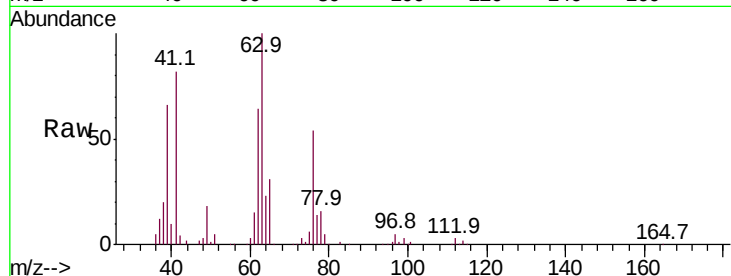
#39
 1,2-Dichloropropane
 Concen: 1.767 ppbv
 RT: 7.72 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	81.2	58.7	88.1
62	64.4	51.9	77.9

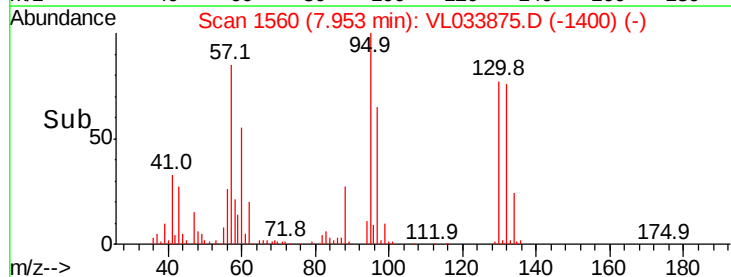
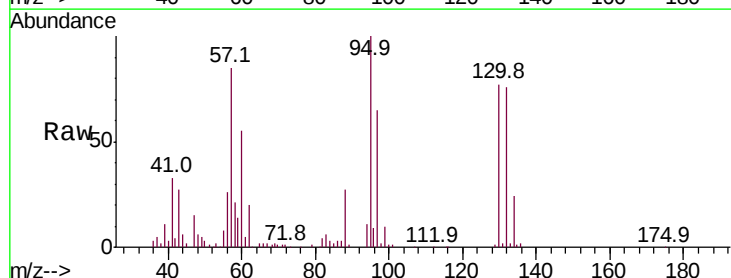
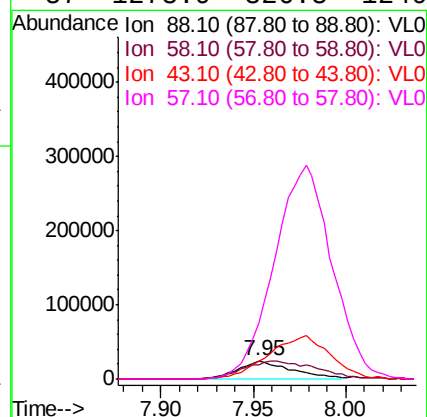
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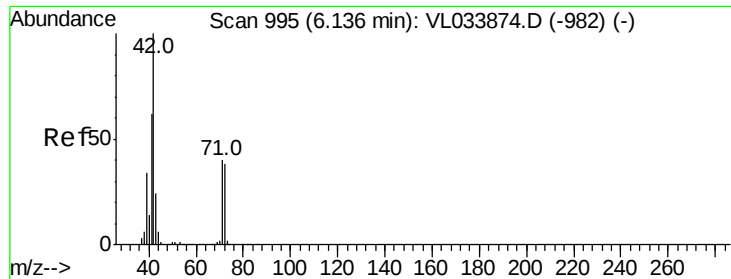
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#40
 1,4-Dioxane
 Concen: 1.544 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. 0.01 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	136.7	100.0	150.0
43	282.2	184.7	277.1#
57	1278.9	826.8	1240.2#





#41

Tetrahydrofuran

Concen: 1.706 ppbv

RT: 6.14 min Scan# 997

Delta R.T. 0.01 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

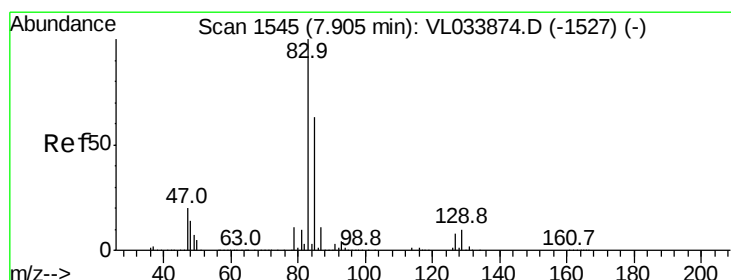
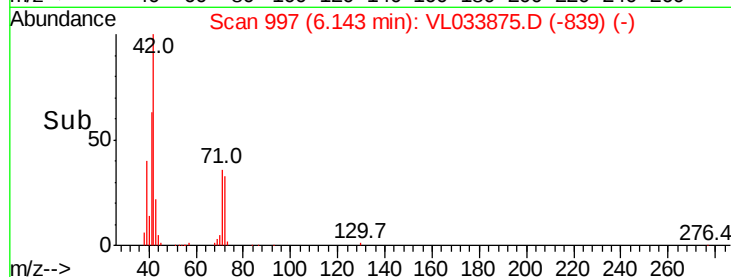
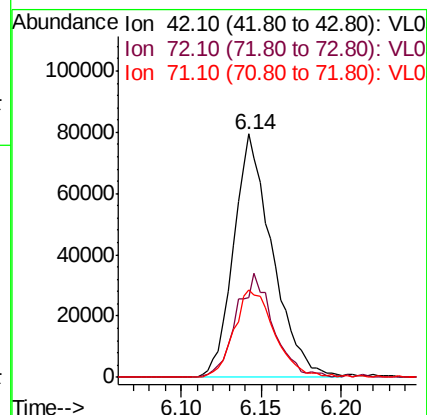
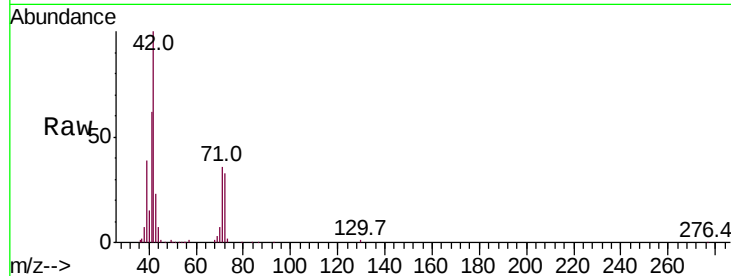
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.2	48.4
71	37.9	31.7	47.5

Manual Integrations
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#42

Bromodichloromethane

Concen: 1.875 ppbv

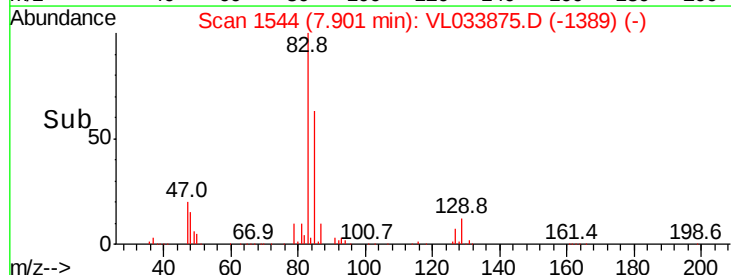
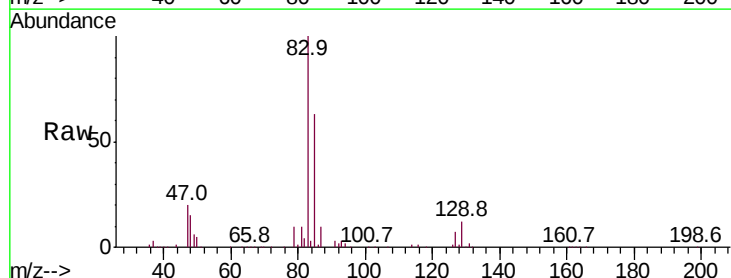
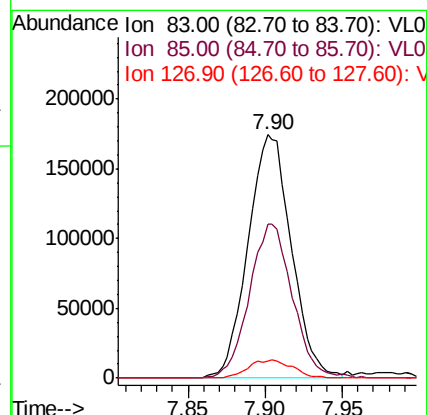
RT: 7.90 min Scan# 1544

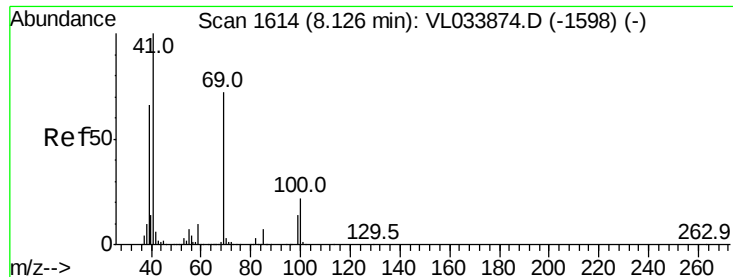
Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.2	75.2
127	7.3	6.5	9.7





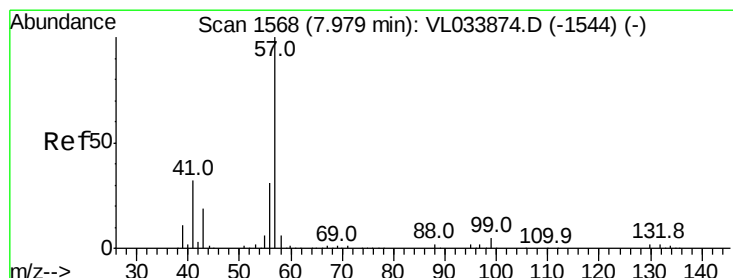
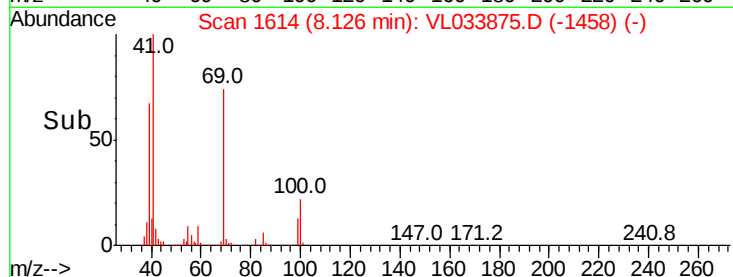
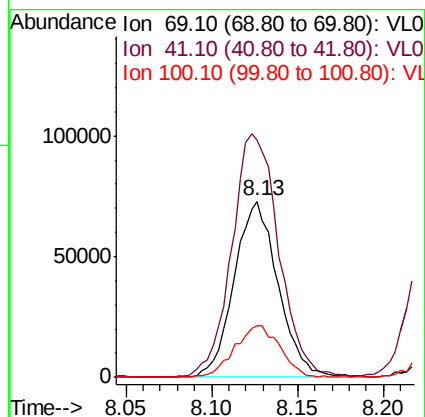
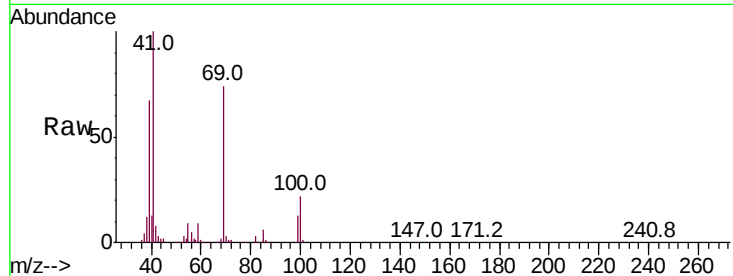
#43
Methvl Methacrvlate
Concen: 1.701 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. 0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	150.4	114.3	171.5	
100	30.7	24.8	37.2	

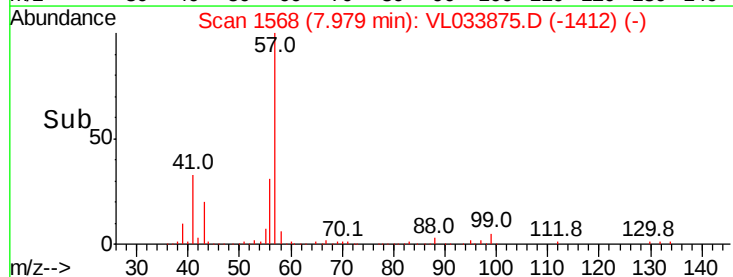
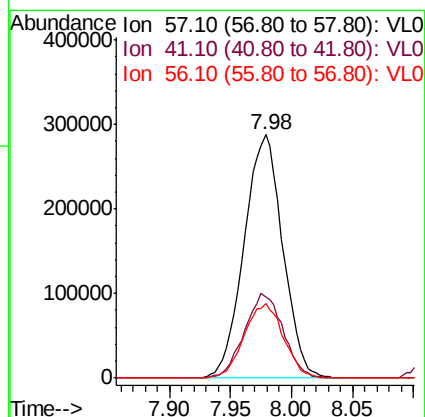
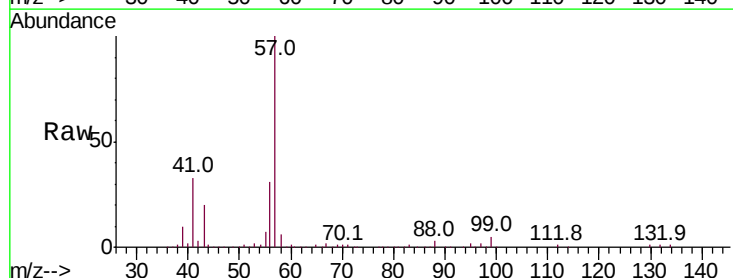
Manual Integrations
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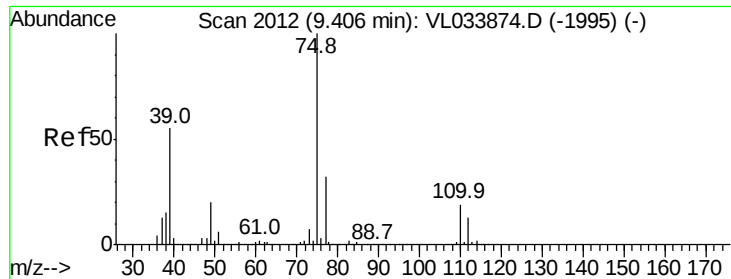
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 1.830 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.0	26.1	39.1	
56	31.3	24.6	36.8	





#45

t-1,3-Dichloropropene

Concen: 1.645 ppbv

RT: 9.40 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 156152

Ion Ratio Lower Upper

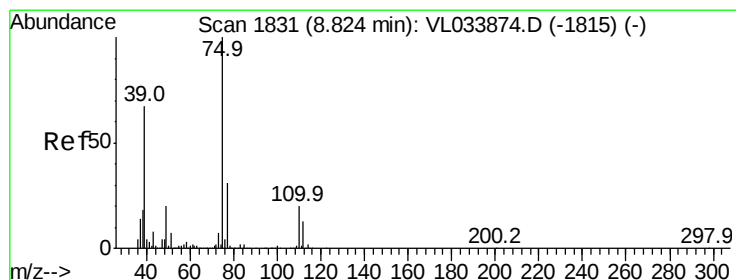
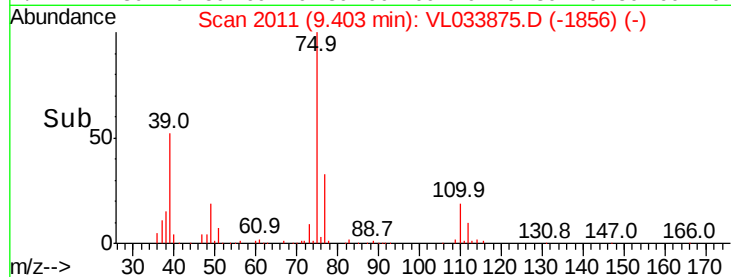
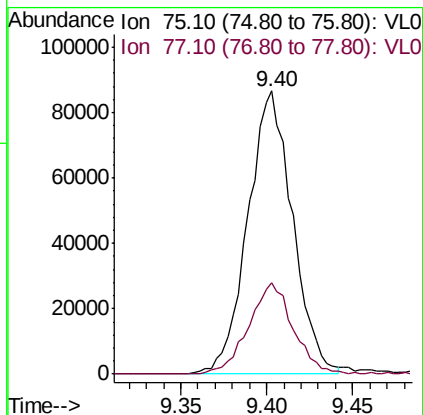
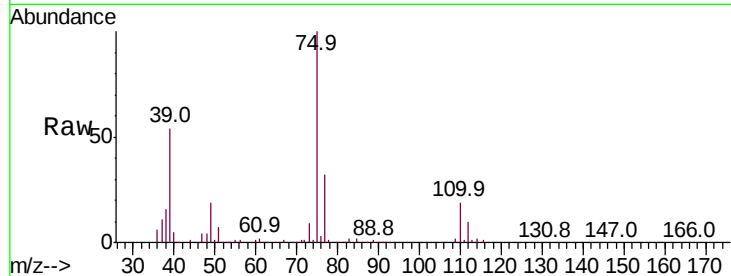
75 100

77 32.4 25.4 38.2

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#46

cis-1,3-Dichloropropene

Concen: 1.676 ppbv

RT: 8.82 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

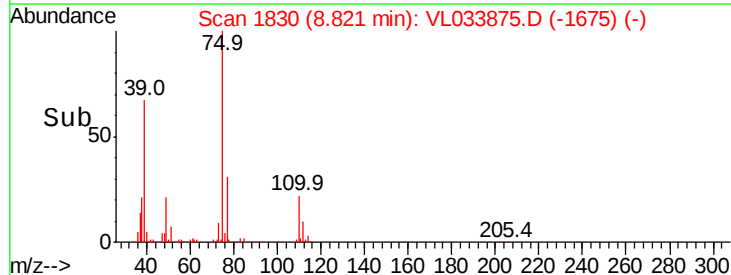
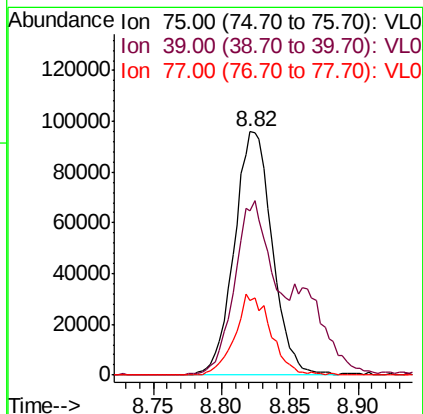
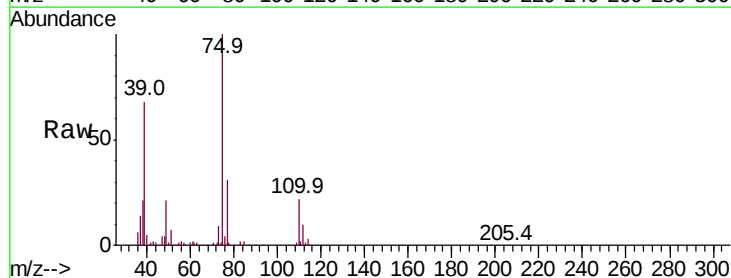
Tgt Ion: 75 Resp: 185510

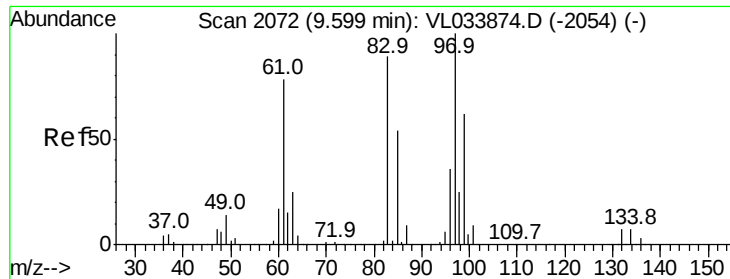
Ion Ratio Lower Upper

75 100

39 67.1 53.8 80.8

77 30.8 24.6 36.8





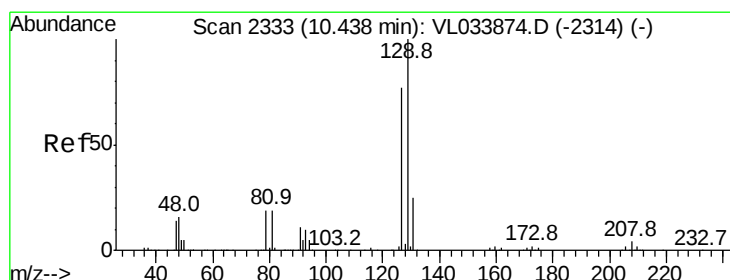
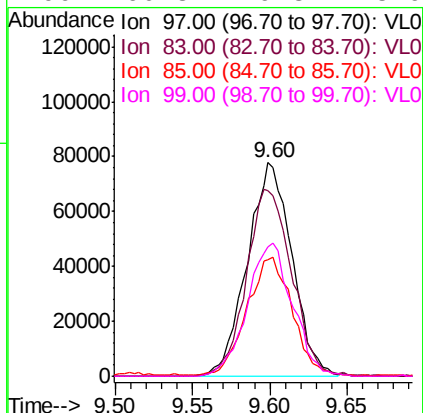
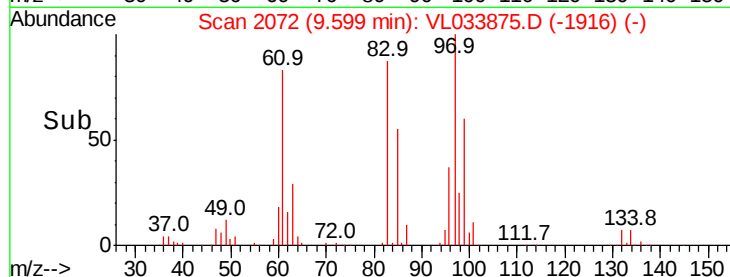
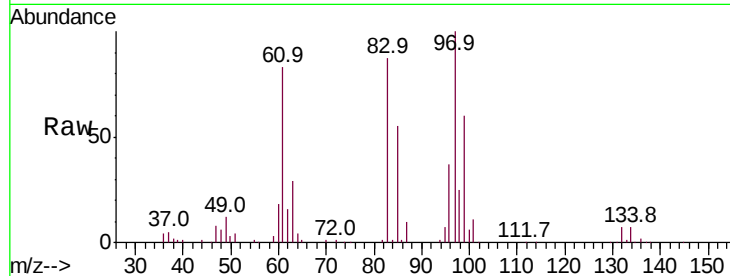
#47
 1,1,2-Trichloroethane
 Concen: 1.798 ppbv
 RT: 9.60 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.9	106.3
85	53.7	43.0	64.6
99	60.3	49.3	73.9

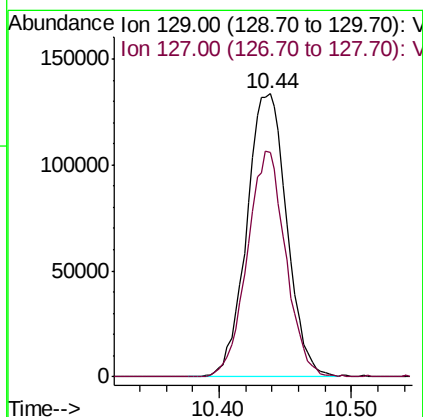
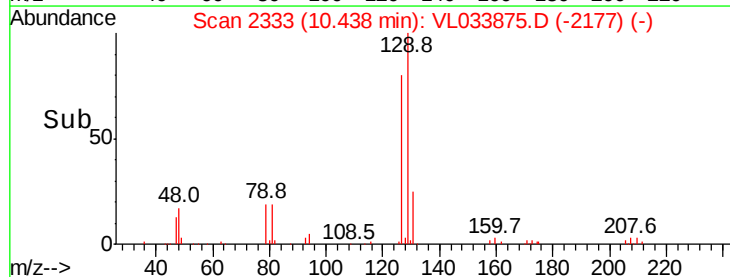
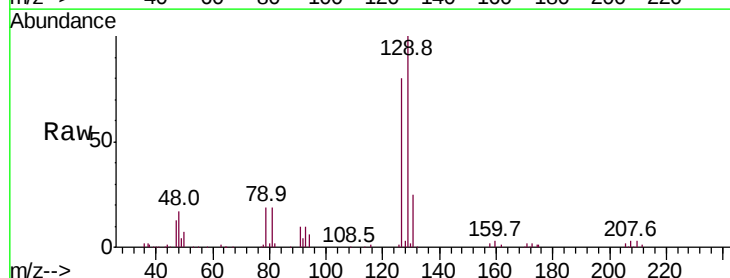
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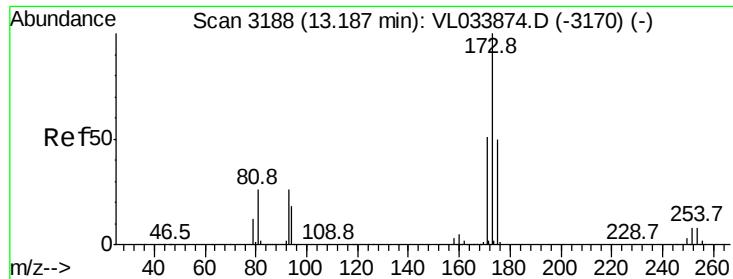
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#48
 Dibromochloromethane
 Concen: 1.864 ppbv
 RT: 10.44 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.7





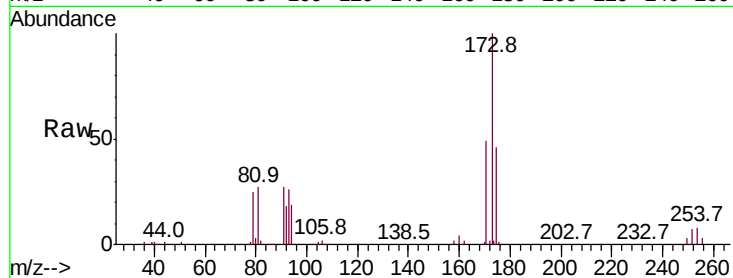
#49
Bromoform
Concen: 1.886 ppbv
RT: 13.19 min Scan# 3188
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

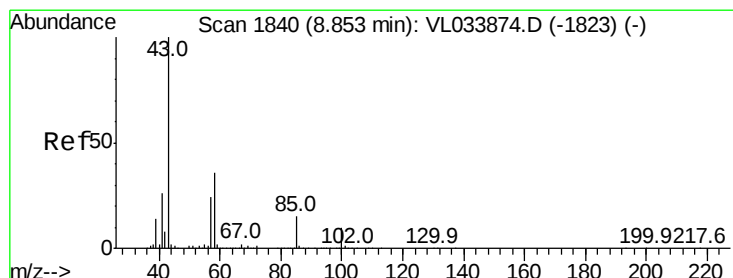
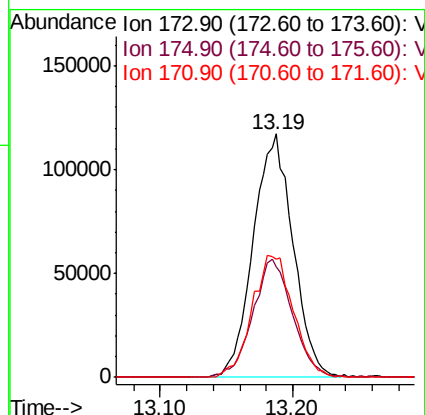
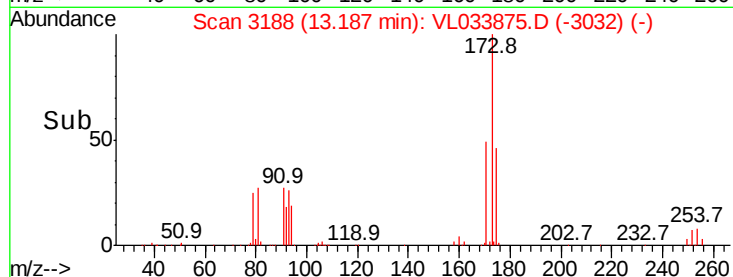
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.6	59.4
171	51.9	41.8	62.8

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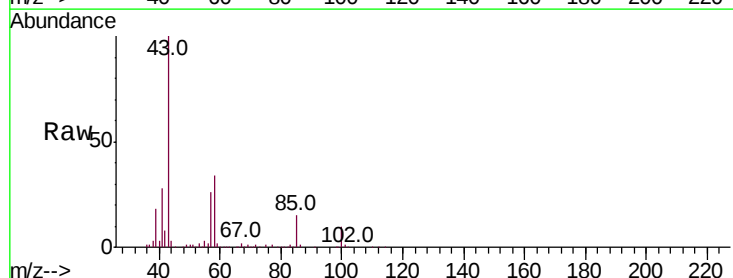


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

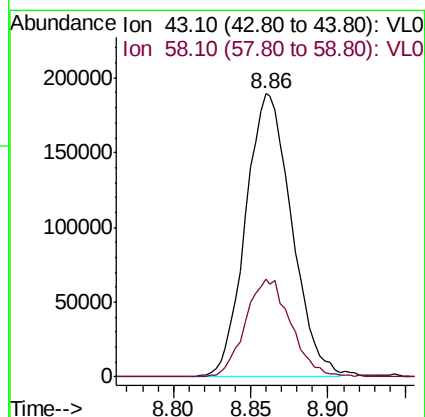
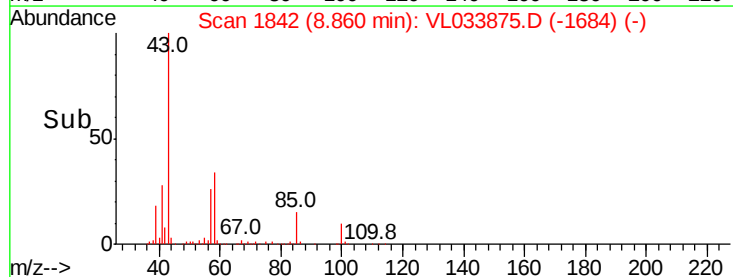


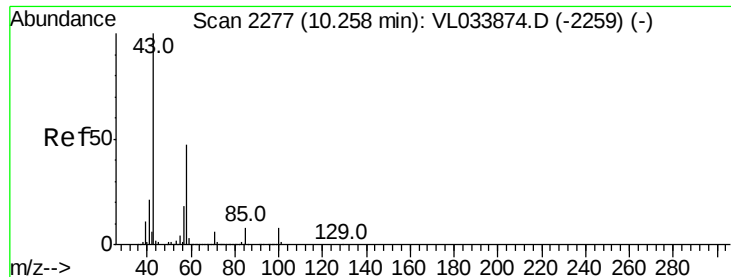
#50
4-Methyl-2-Pentanone
Concen: 1.839 ppbv
RT: 8.86 min Scan# 1842
Delta R.T. 0.01 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.6	42.8



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





#51

2-Hexanone

Concen: 1.874 ppbv

RT: 10.26 min Scan# 2279

Delta R.T. 0.01 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 311459

Ion Ratio Lower Upper

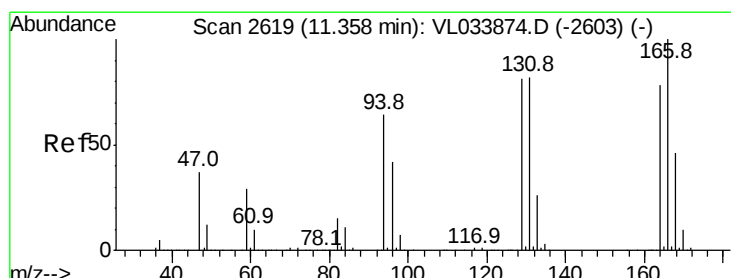
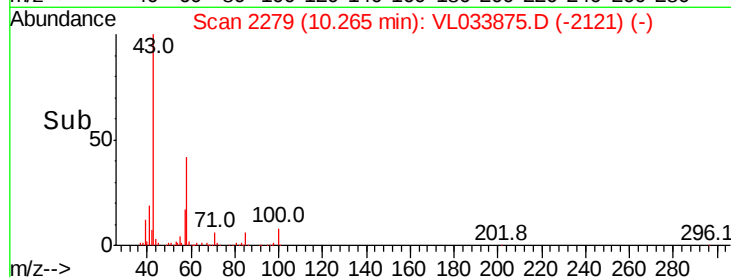
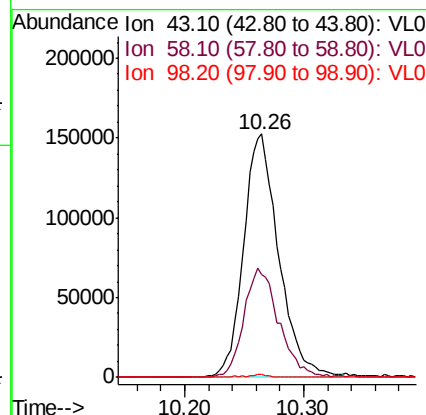
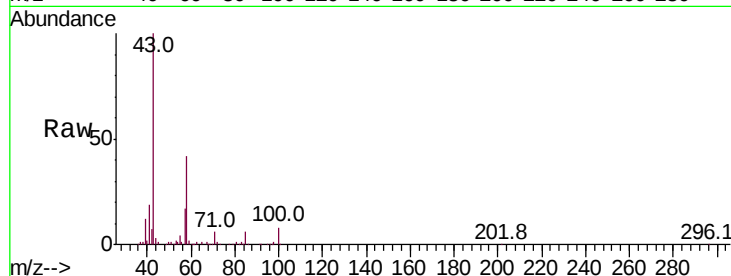
43 100

58 44.8 38.2 57.4

98 0.8 0.2 0.2#

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#52

Tetrachloroethene

Concen: 1.828 ppbv

RT: 11.36 min Scan# 2619

Delta R.T. 0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion: 164 Resp: 131481

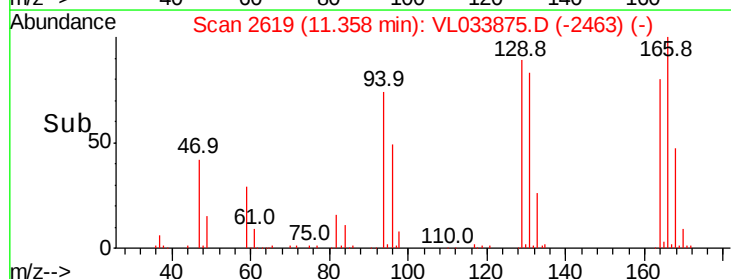
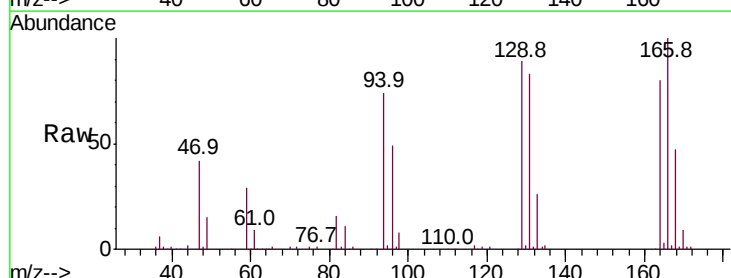
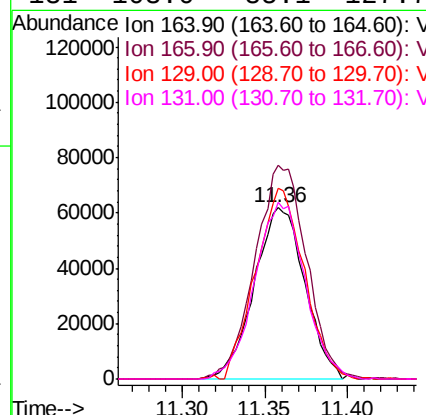
Ion Ratio Lower Upper

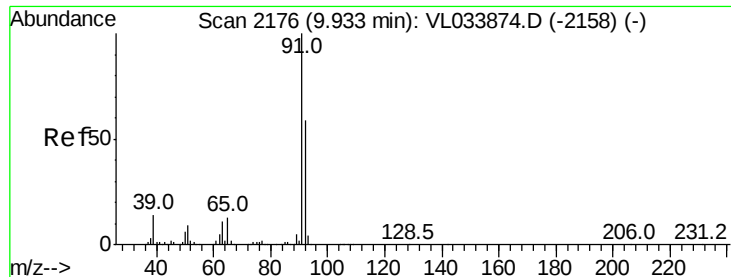
164 100

166 124.5 103.1 154.7

129 111.1 83.9 125.9

131 103.0 85.1 127.7





#53

Toluene

Concen: 1.759 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 386223

Ion Ratio Lower Upper

91 100

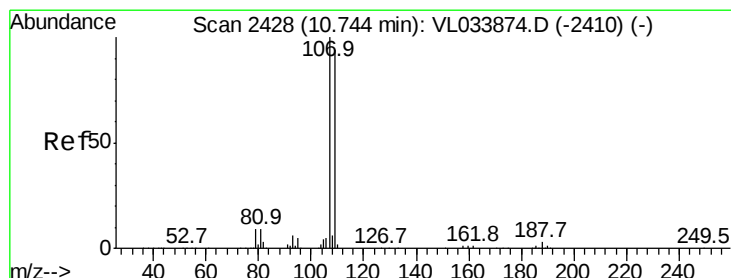
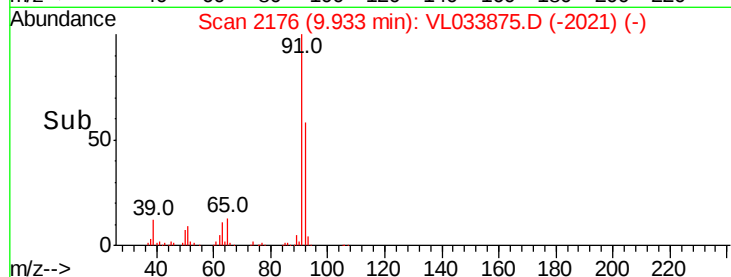
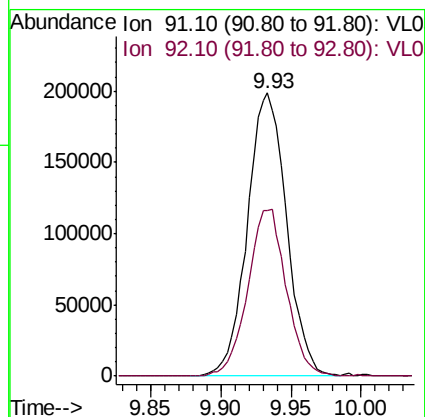
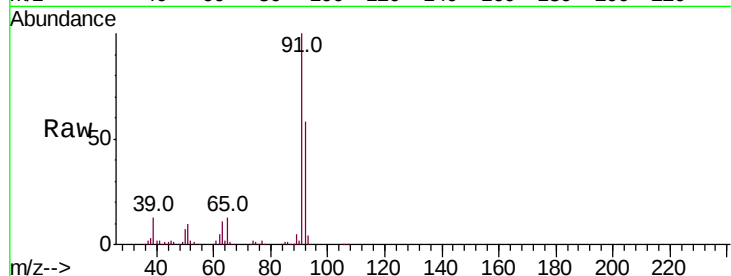
92 58.2 47.0 70.6

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#54

1,2-Dibromoethane

Concen: 1.789 ppbv

RT: 10.75 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VL033875.D

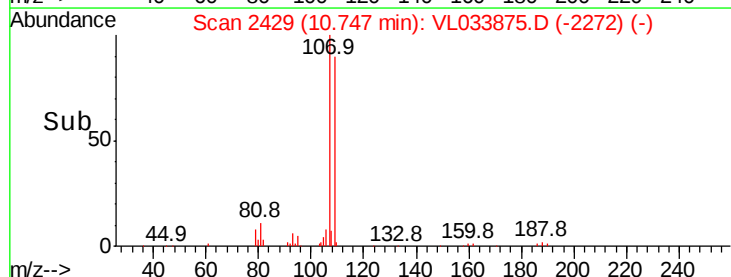
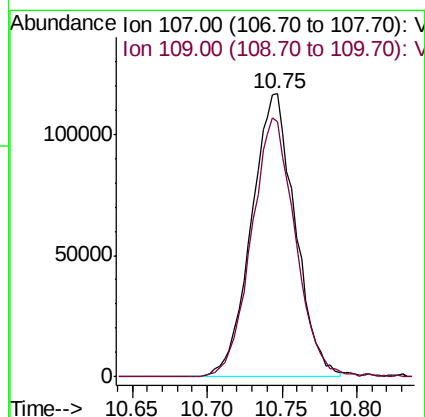
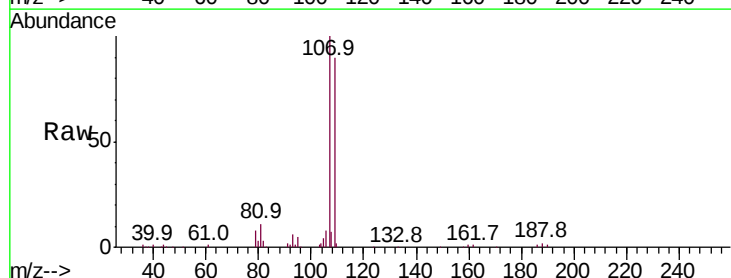
Acq: 7 Jun 2019 2:44

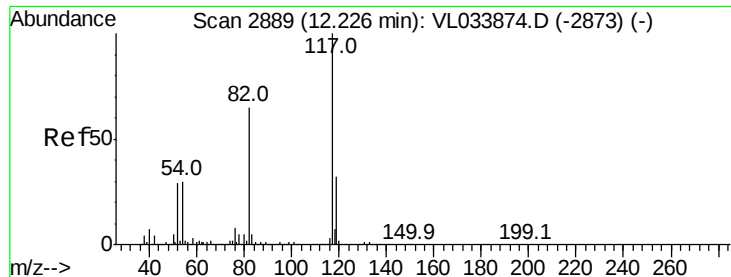
Tgt Ion: 107 Resp: 236332

Ion Ratio Lower Upper

107 100

109 90.1 74.9 112.3





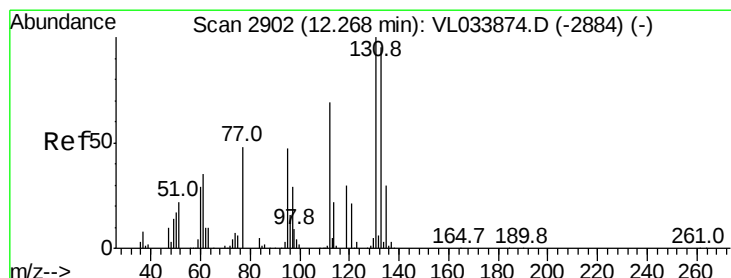
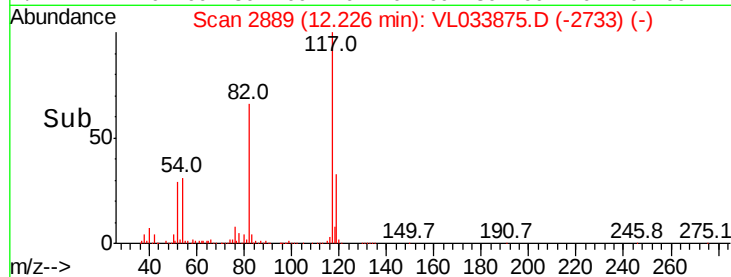
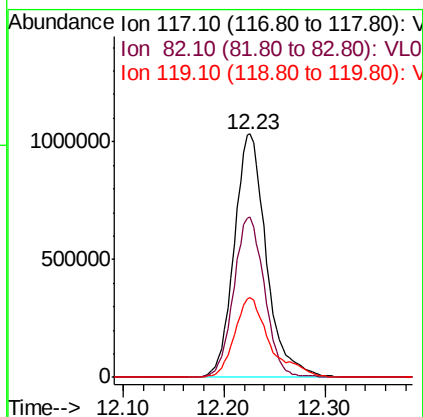
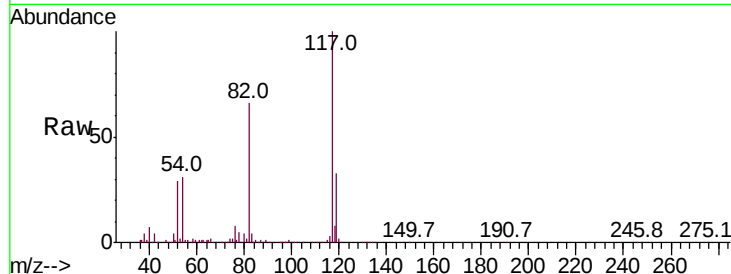
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 2277777
Ion Ratio Lower Upper
117 100
82 63.8 50.2 75.2
119 36.1 24.8 37.2

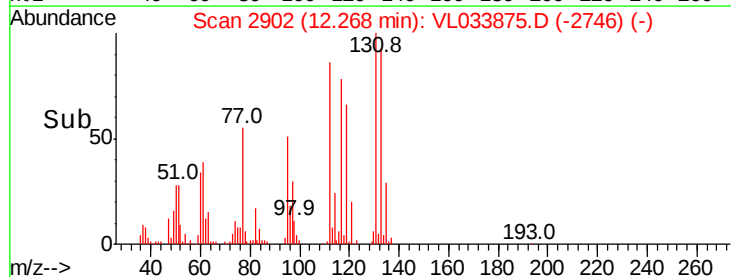
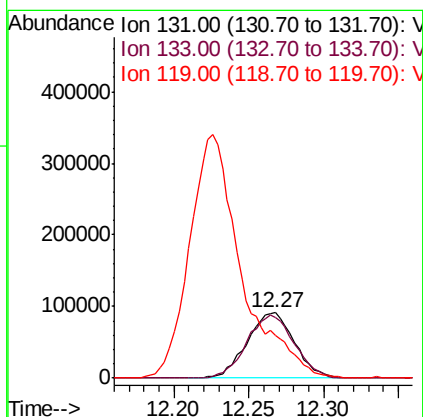
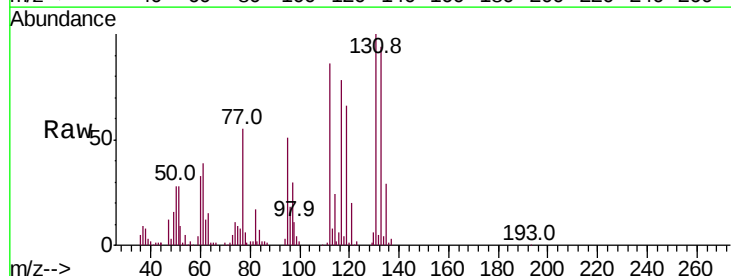
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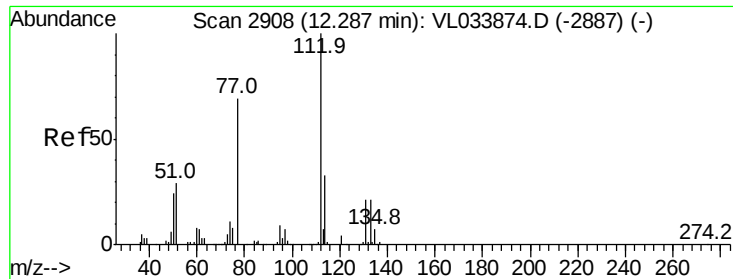
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.929 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion:131 Resp: 201676
Ion Ratio Lower Upper
131 100
133 96.2 76.5 114.7
119 407.6 42.6 64.0#





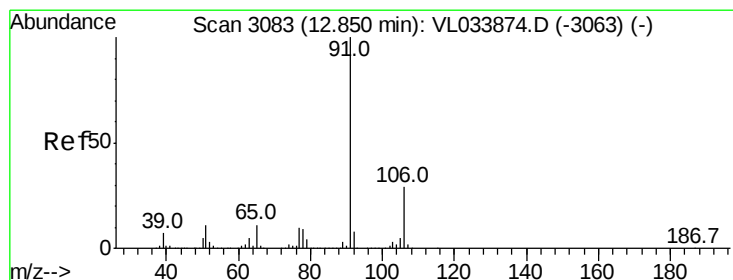
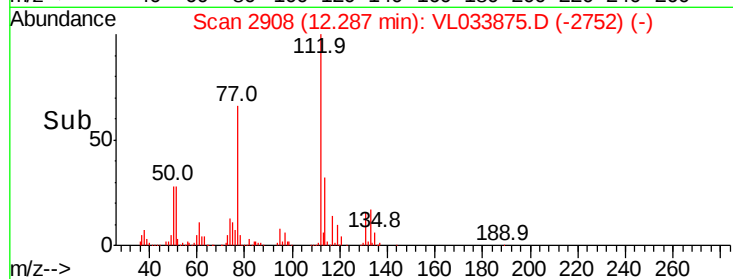
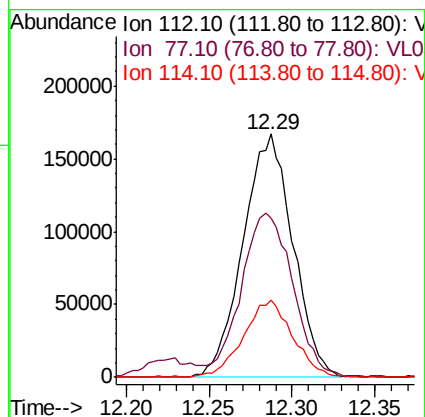
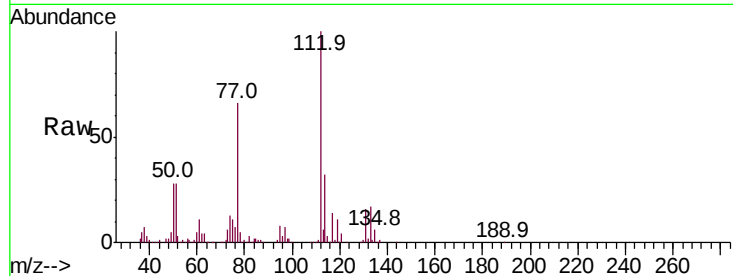
#57
Chlorobenzene
Concen: 1.880 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	64.5	55.8	83.6
114	31.5	29.8	36.4

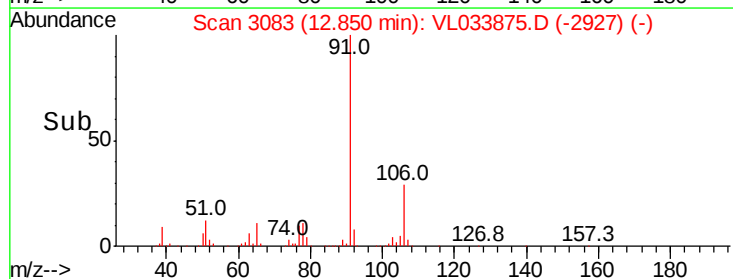
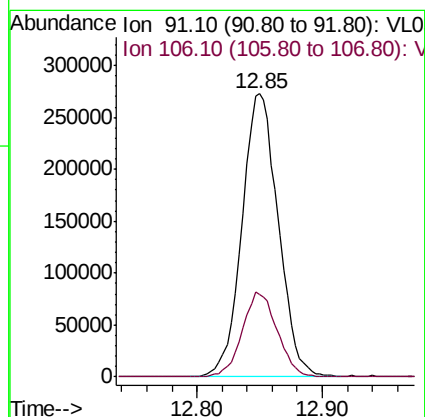
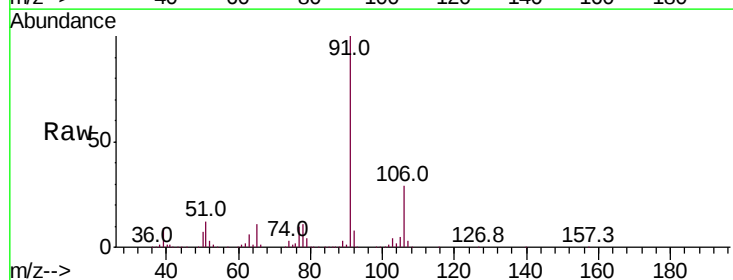
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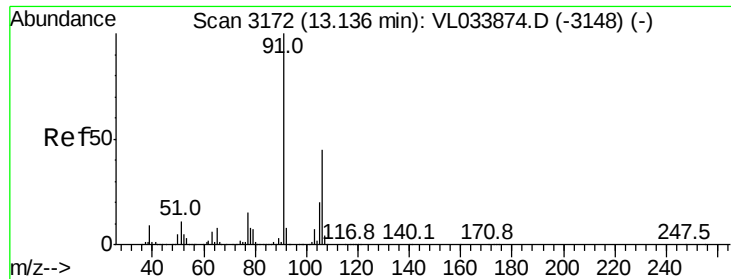
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#58
Ethyl Benzene
Concen: 1.849 ppbv
RT: 12.85 min Scan# 3083
Delta R.T. 0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.0	34.6





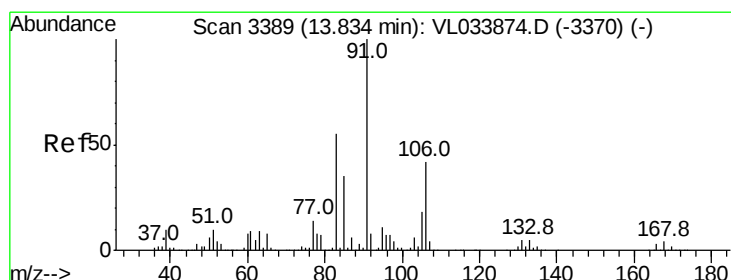
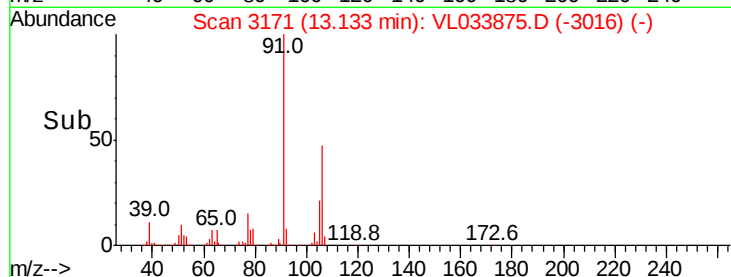
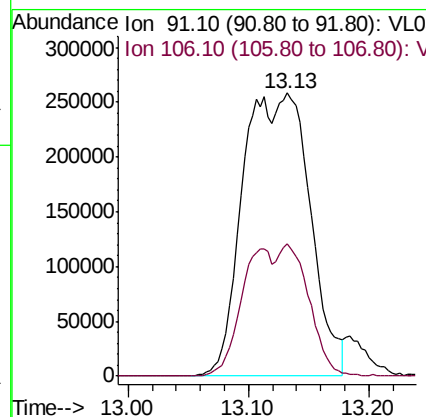
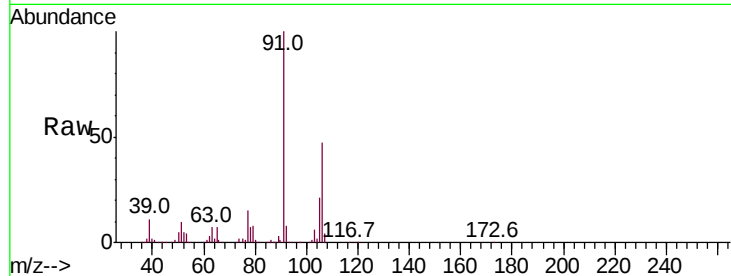
#59
m/p-Xylene
Concen: 3.812 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 992722
Ion Ratio Lower Upper
91 100
106 44.2 35.8 53.8

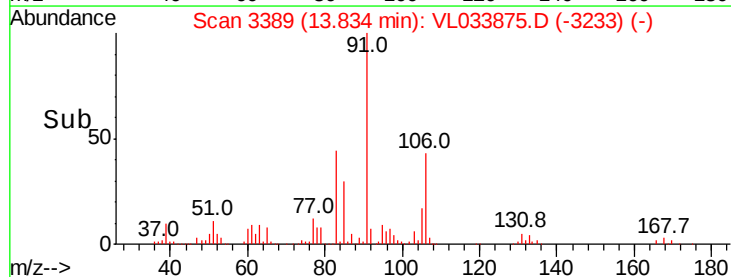
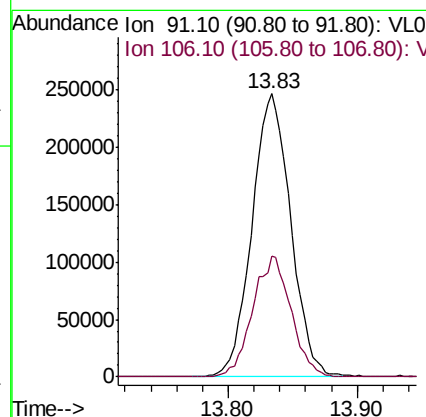
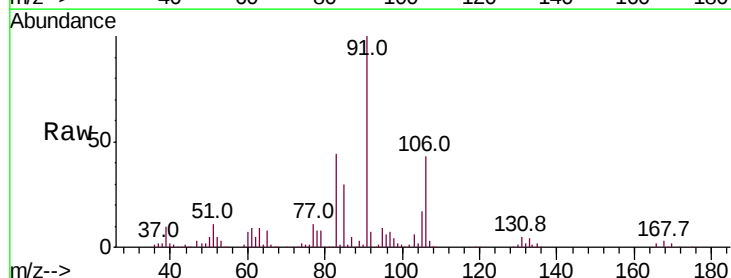
Manual Integrations
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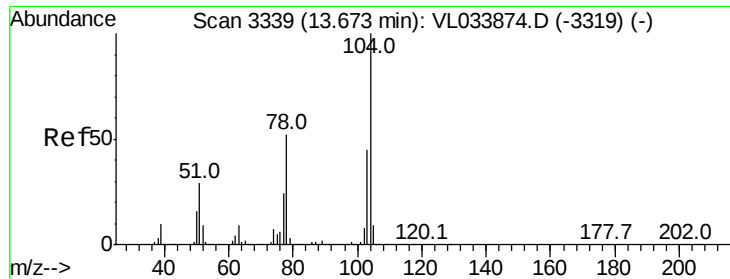
MMDadoda
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#60
o-Xylene
Concen: 1.949 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion: 91 Resp: 516522
Ion Ratio Lower Upper
91 100
106 42.4 21.7 65.1





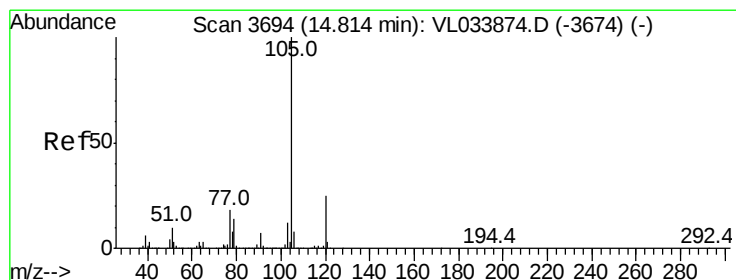
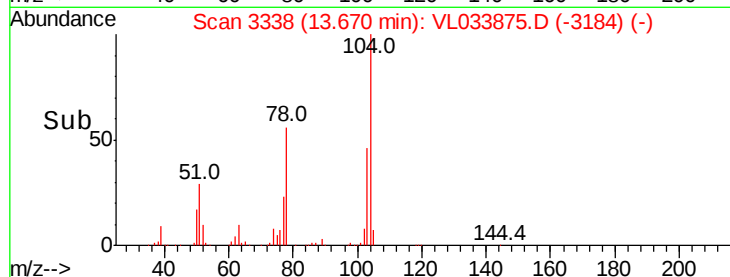
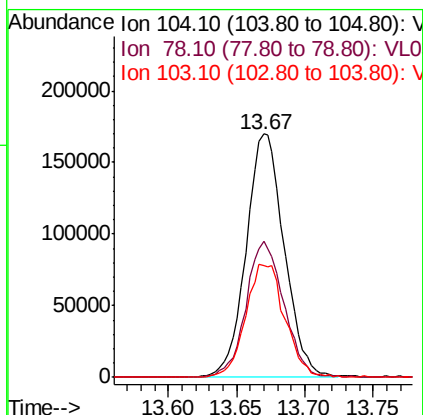
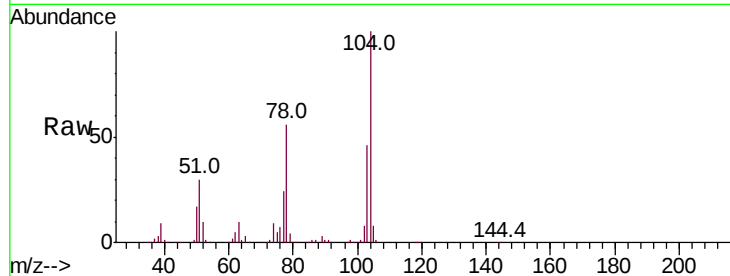
#61
Stvrene
Concen: 1.864 ppbv
RT: 13.67 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.7	43.4	65.0
103	48.1	37.6	56.4

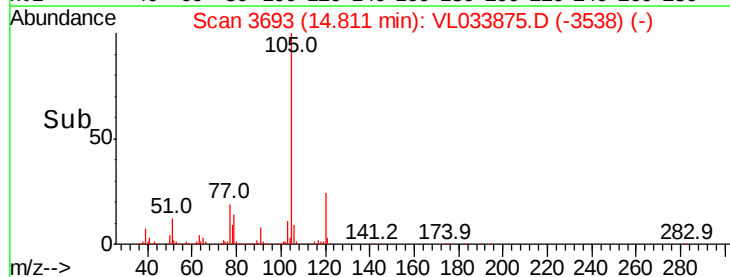
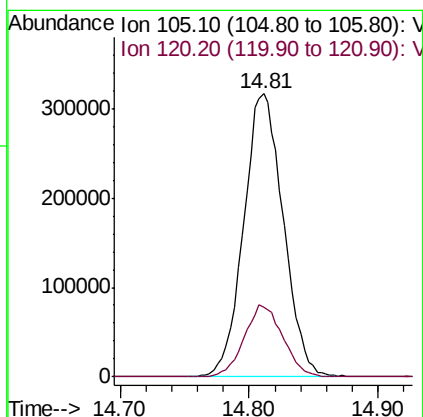
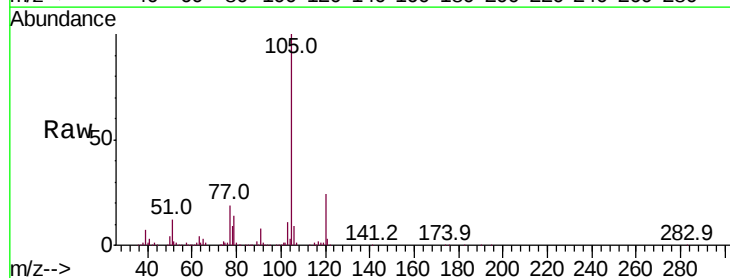
Manual Integrations
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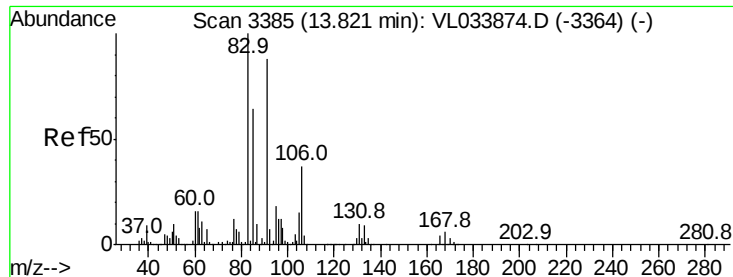
MMDadoda
6/11/2019 9:18:15 AM



#62
Isopropylbenzene
Concen: 1.902 ppbv
RT: 14.81 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 1.987 ppbv

RT: 13.82 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

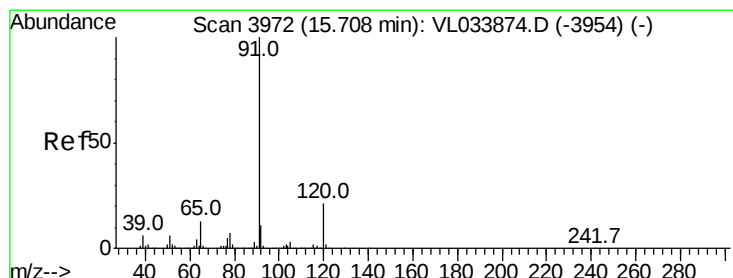
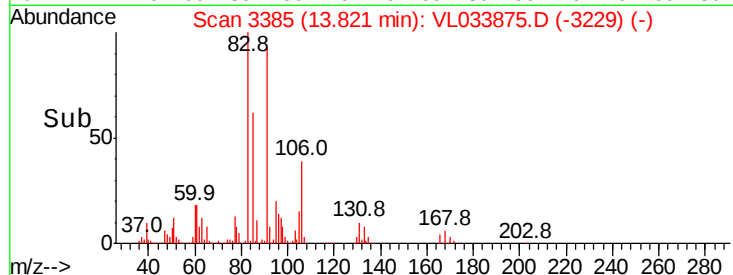
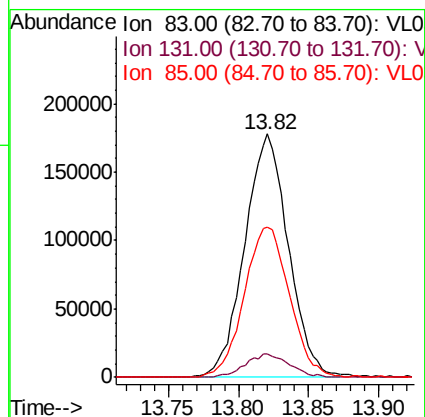
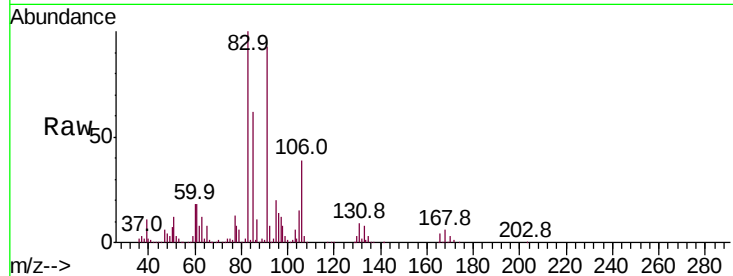
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	384885
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.4
85	64.3	32.1	96.3

Manual Integrations
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#64

n-propylbenzene

Concen: 1.953 ppbv

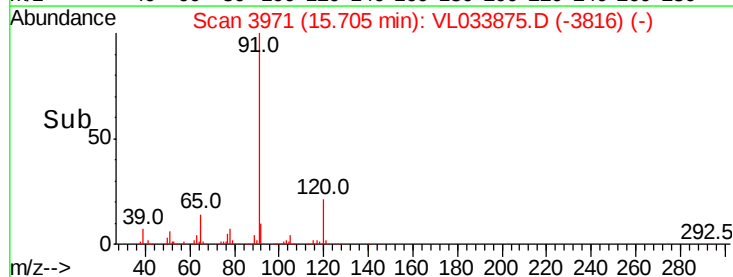
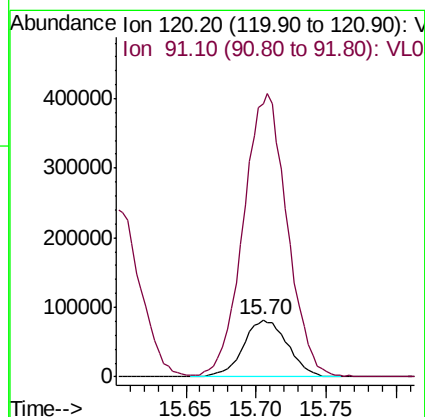
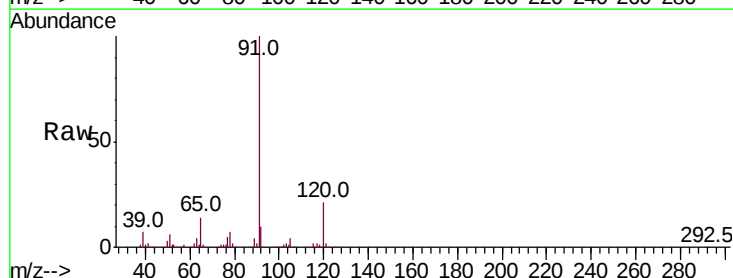
RT: 15.70 min Scan# 3971

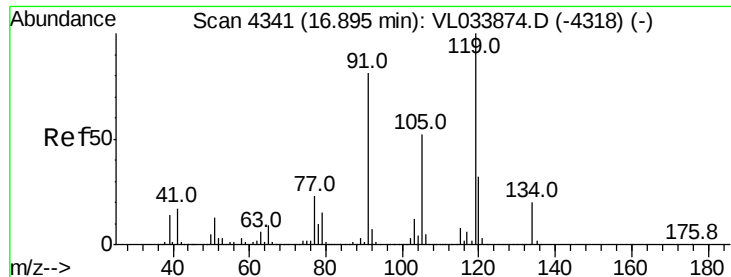
Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion:	120	Resp:	179648
Ion Ratio	Lower	Upper	
120	100		
91	493.3	387.0	580.6





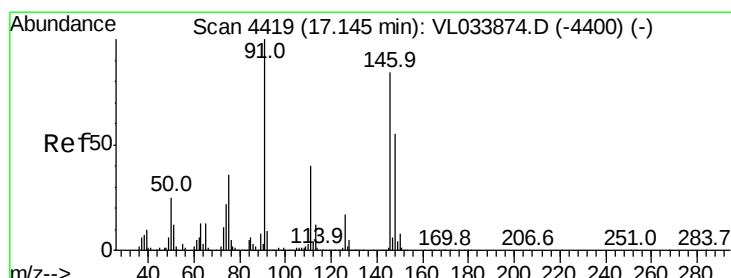
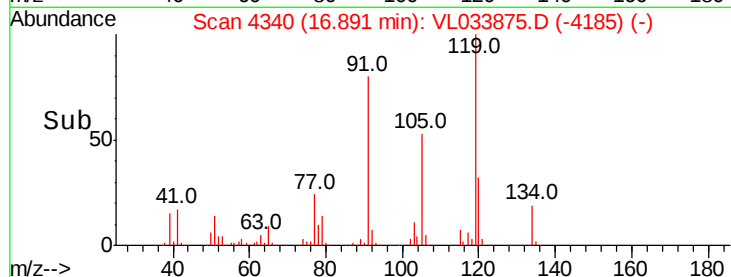
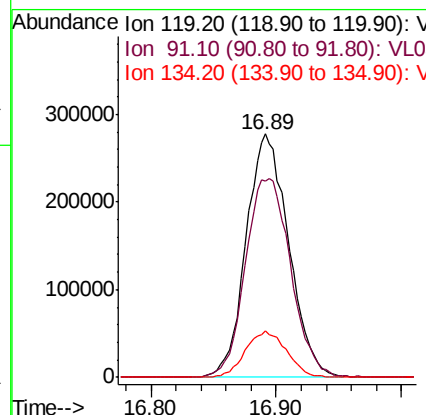
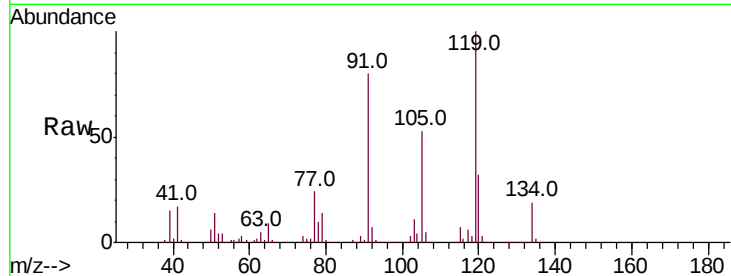
#65
tert-Butylbenzene
Concen: 2.006 ppbv
RT: 16.89 min Scan# 4340
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	653088		
91	87.4	66.6	100.0	
134	18.5	15.5	23.3	

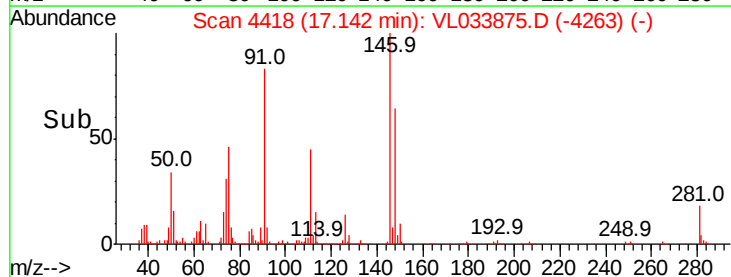
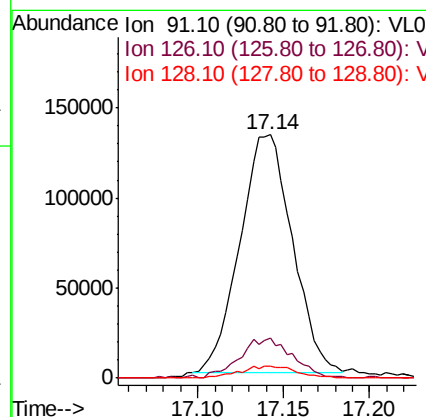
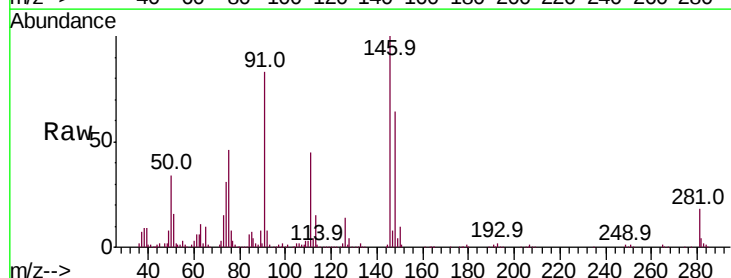
Manual Integrations
APPROVED

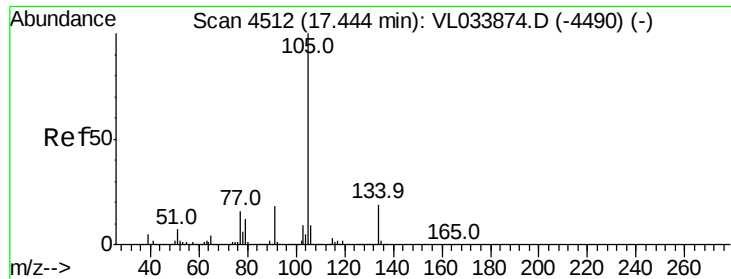
MMDadoda
6/11/2019 9:18:15 AM



#66
Benzyl Chloride
Concen: 1.814 ppbv
RT: 17.14 min Scan# 4418
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	281851		
126	17.1	13.8	20.6	
128	5.5	4.4	6.6	





#67

sec-Butylbenzene

Concen: 1.999 ppbv

RT: 17.44 min Scan# 4512

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 912040

Ion Ratio Lower Upper

105 100

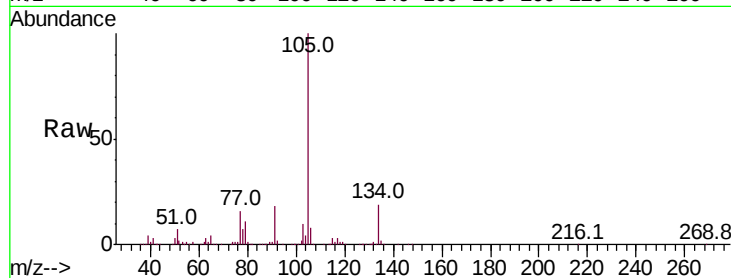
134 17.8 14.6 22.0

Manual Integrations

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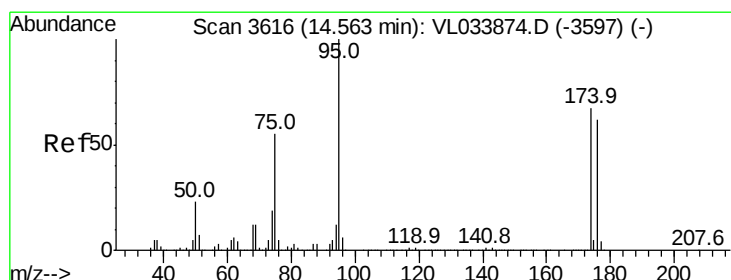
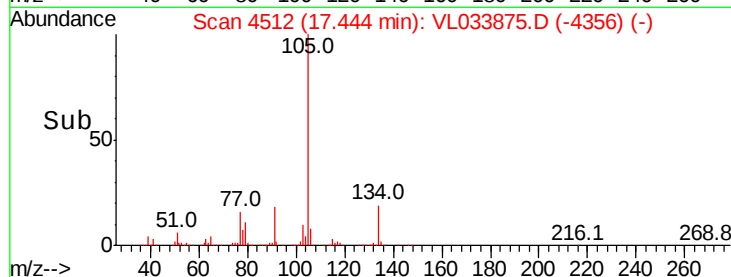
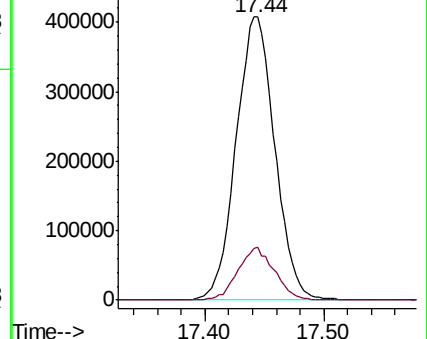
MMDadoda

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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: 10.177 ppbv

RT: 14.56 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

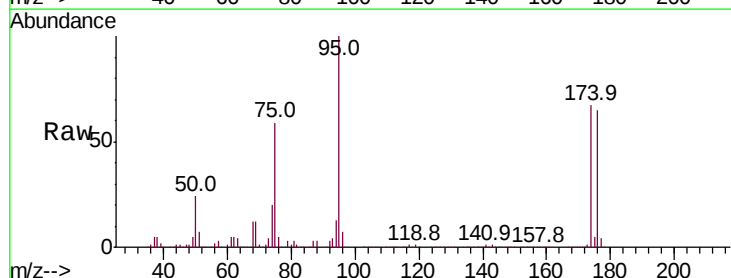
Tgt Ion: 95 Resp: 1875414

Ion Ratio Lower Upper

95 100

174 67.0 54.0 81.0

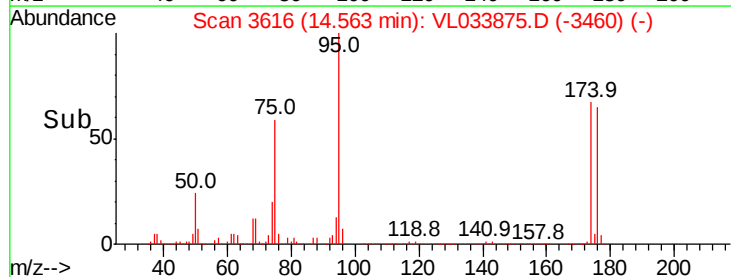
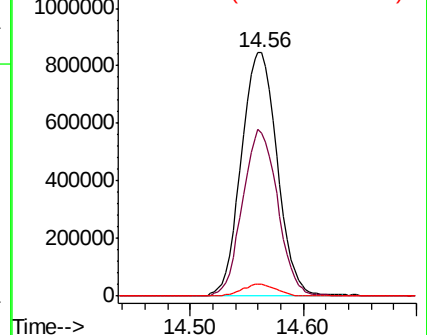
175 4.8 3.8 5.8

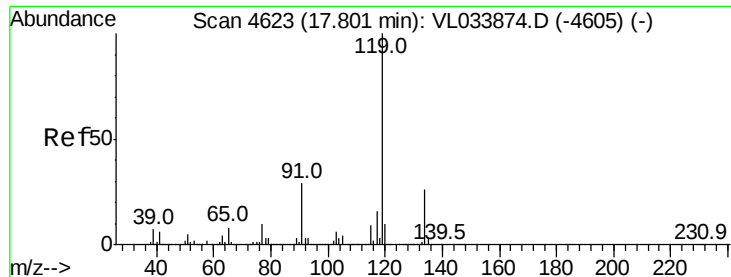


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





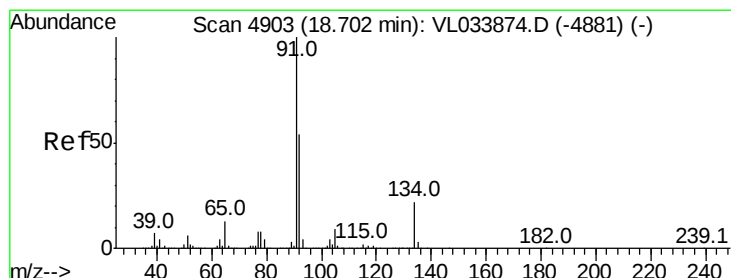
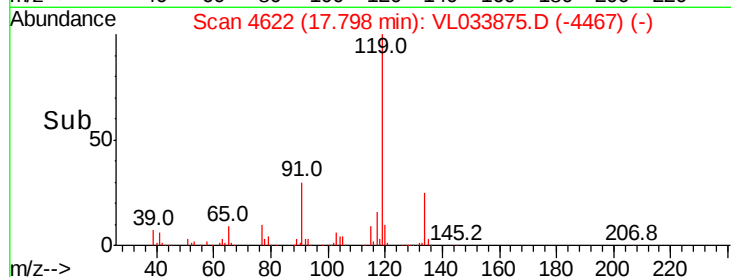
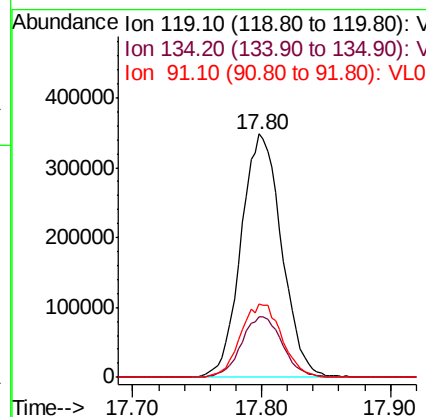
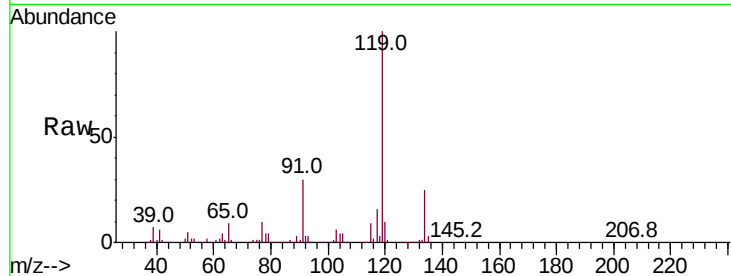
#69
p-Isopropyltoluene
Concen: 2.021 ppbv
RT: 17.80 min Scan# 4622
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	25.0	20.3	30.5
91	30.5	23.8	35.6

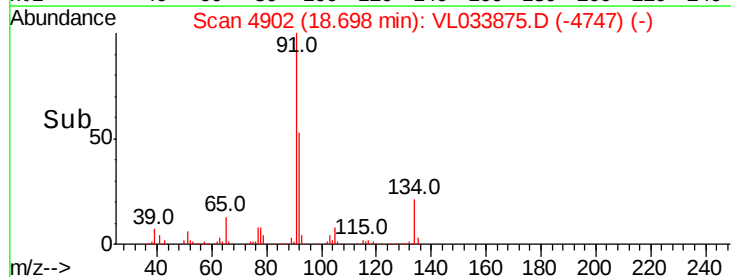
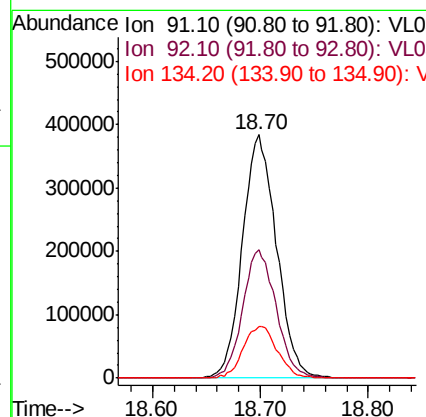
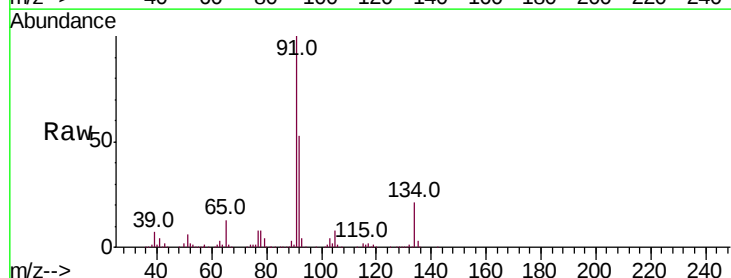
Manual Integrations
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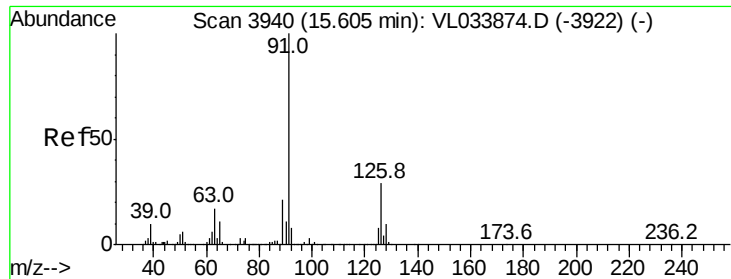
MMDadoda
6/11/2019 9:18:15 AM



#70
n-Butylbenzene
Concen: 2.076 ppbv
RT: 18.70 min Scan# 4902
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	52.0	42.5	63.7
134	21.5	17.8	26.6





#71

2-Chlorotoluene

Concen: 1.981 ppbv

RT: 15.60 min Scan# 3938

Delta R.T. -0.01 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 523198

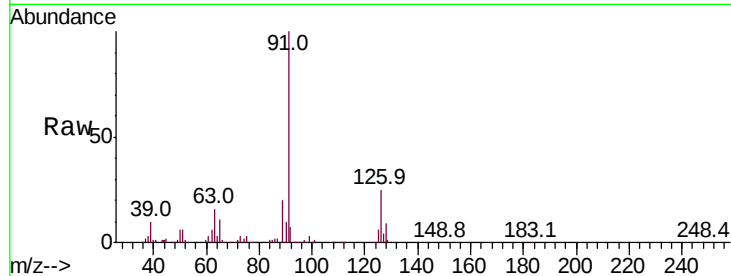
Ion Ratio Lower Upper

91 100

126 28.5 12.0 48.2

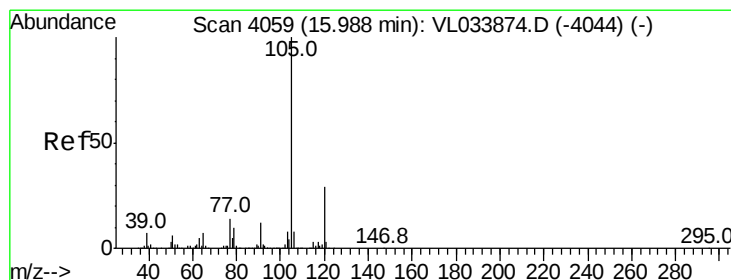
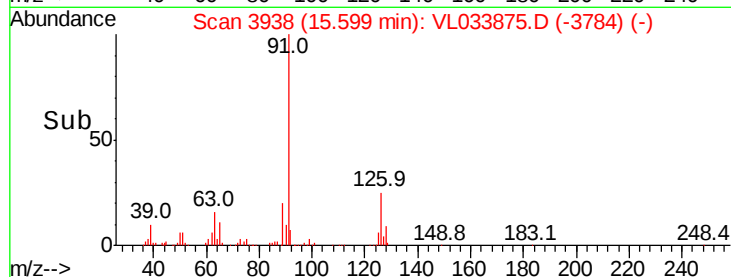
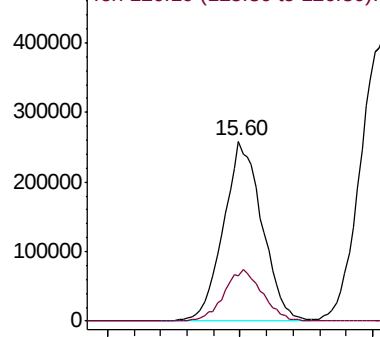
Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.962 ppbv

RT: 15.98 min Scan# 4057

Delta R.T. -0.01 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion:105 Resp: 593749

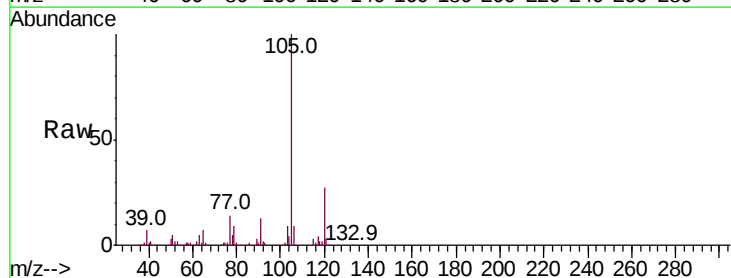
Ion Ratio Lower Upper

105 100

120 28.9 23.5 35.3

91 15.2 10.4 15.6

77 14.5 11.7 17.5

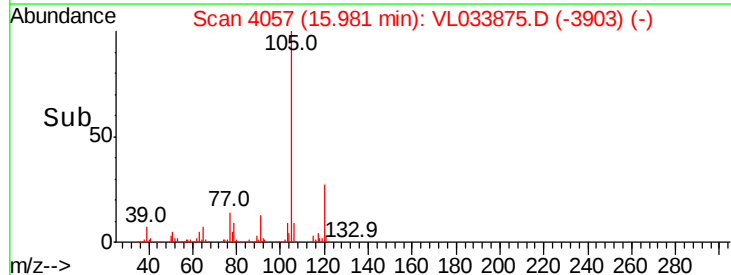
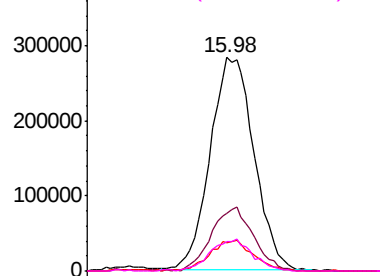


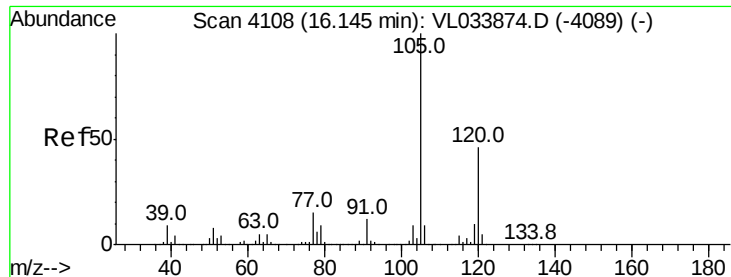
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 1.958 ppbv

RT: 16.14 min Scan# 4107

Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 579449

Ion Ratio Lower Upper

105 100

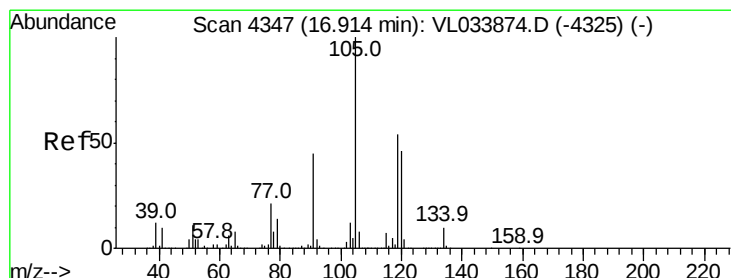
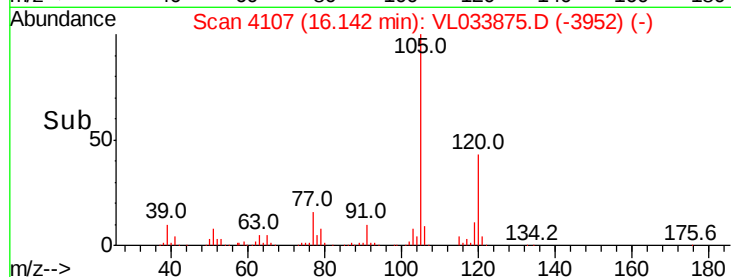
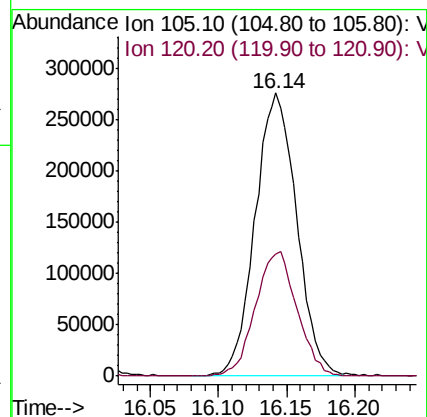
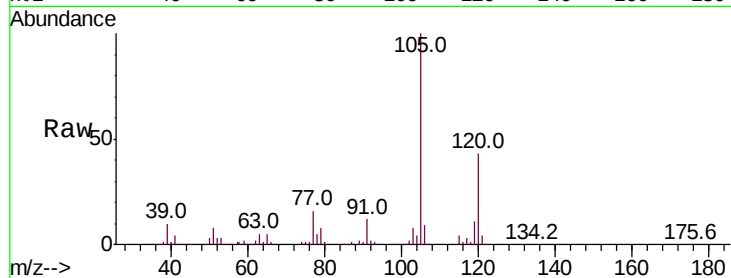
120 43.1 37.1 55.7

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 2.070 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. -0.01 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion:105 Resp: 668310

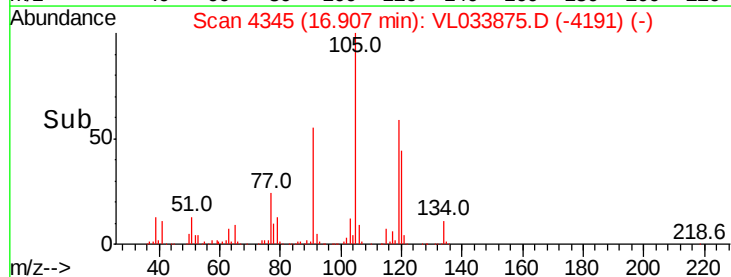
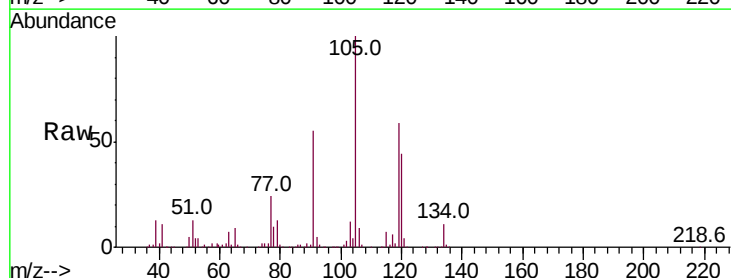
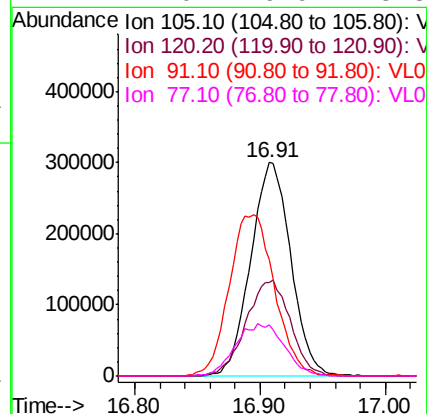
Ion Ratio Lower Upper

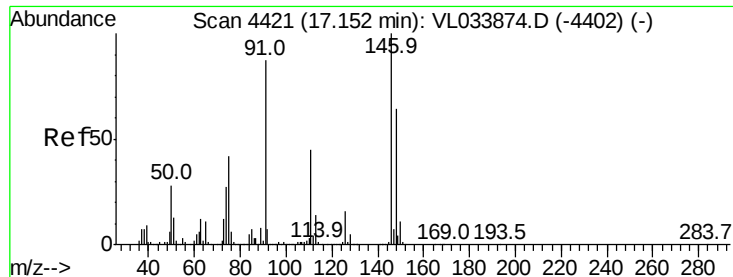
105 100

120 43.8 36.7 55.1

91 54.1 35.8 53.8#

77 24.0 16.9 25.3





#75

1,3-Dichlorobenzene

Concen: 2.030 ppbv

RT: 17.15 min Scan# 4419

Delta R.T. -0.01 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Instrument :

MSVOA_L

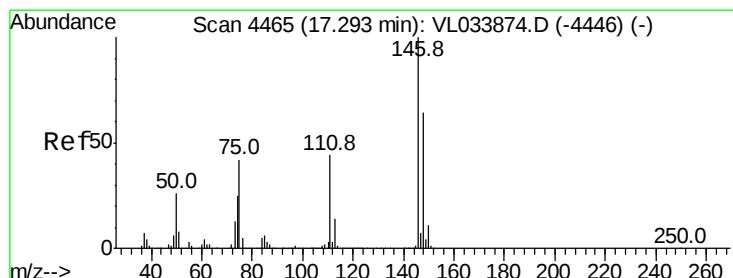
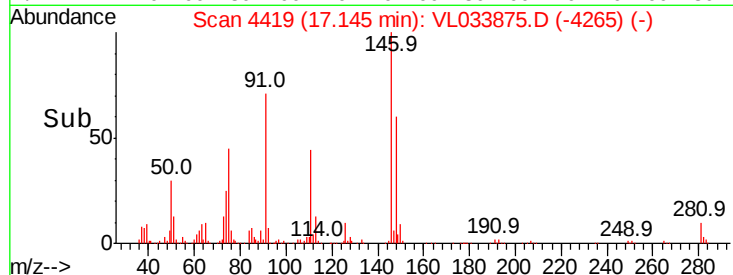
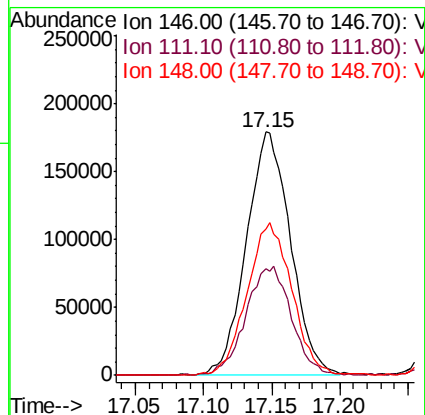
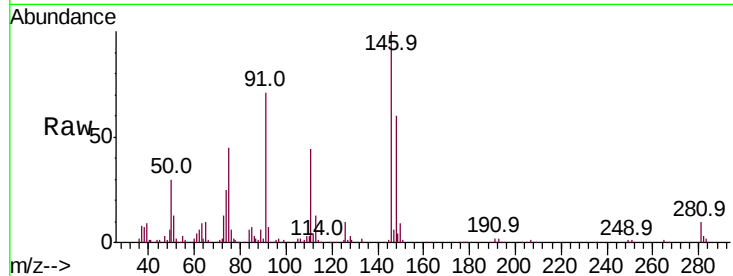
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	402348
Ion Ratio	Lower	Upper	
146	100		
111	46.4	22.8	68.3
148	64.0	32.2	96.6

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 1.999 ppbv

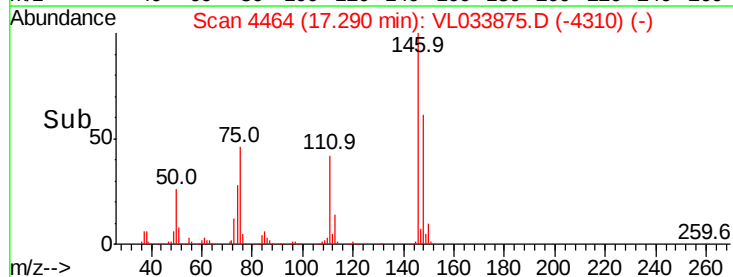
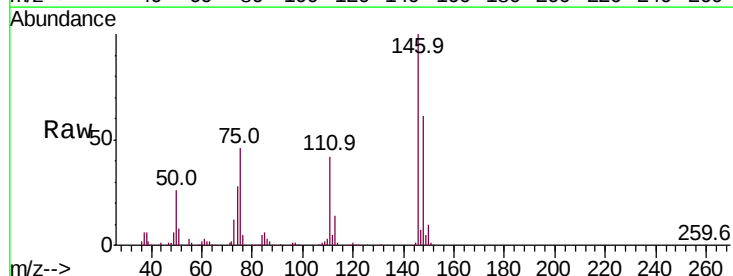
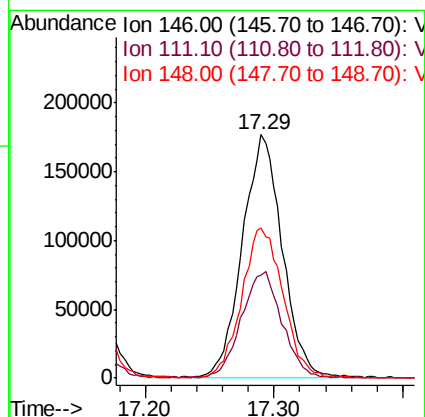
RT: 17.29 min Scan# 4464

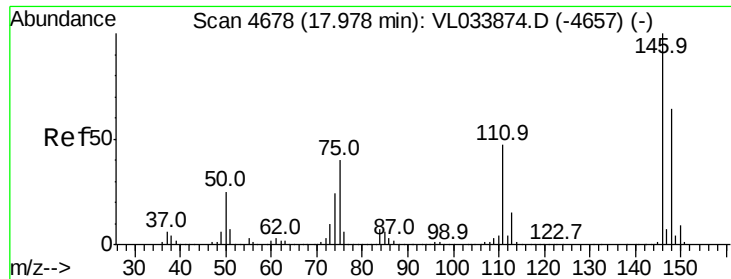
Delta R.T. -0.00 min

Lab File: VL033875.D

Acq: 7 Jun 2019 2:44

Tgt Ion:	146	Resp:	375827
Ion Ratio	Lower	Upper	
146	100		
111	45.4	22.1	66.5
148	65.4	32.4	97.0





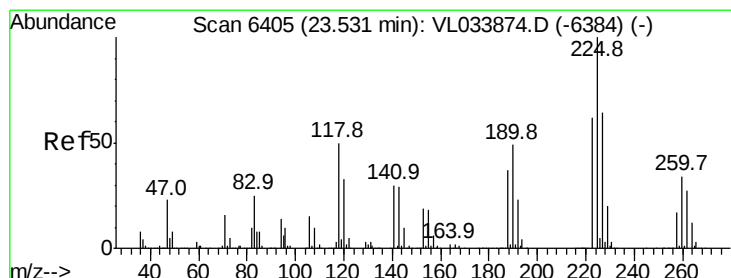
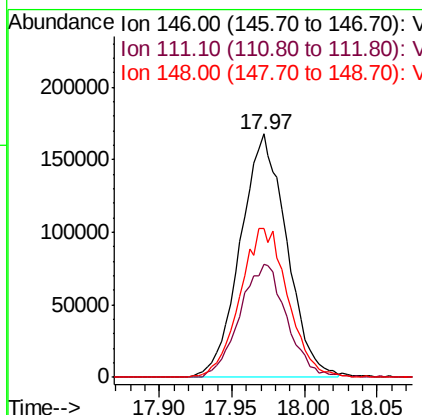
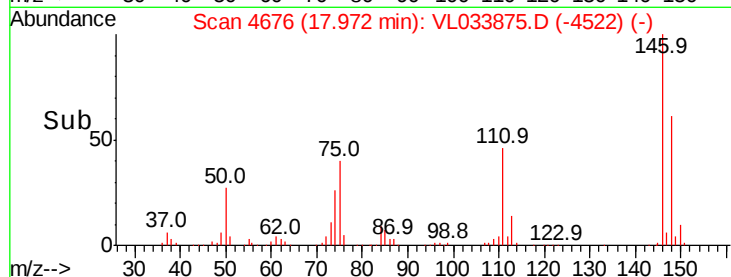
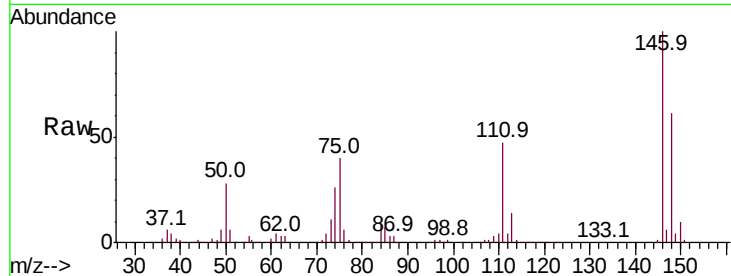
#77
 1,2-Dichlorobenzene
 Concen: 1.983 ppbv
 RT: 17.97 min Scan# 4676
 Delta R.T. -0.01 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.4	70.0
148	64.2	31.8	95.4

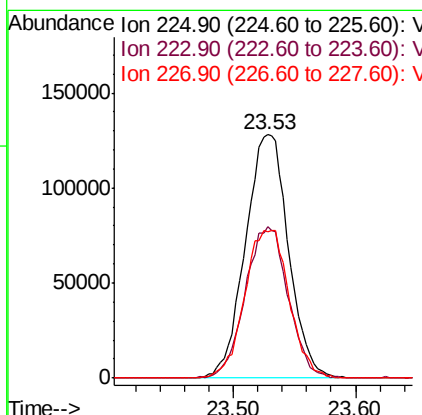
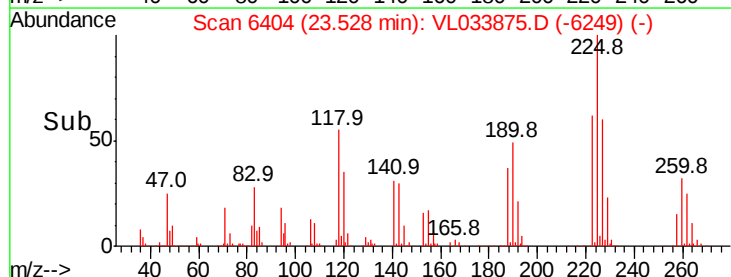
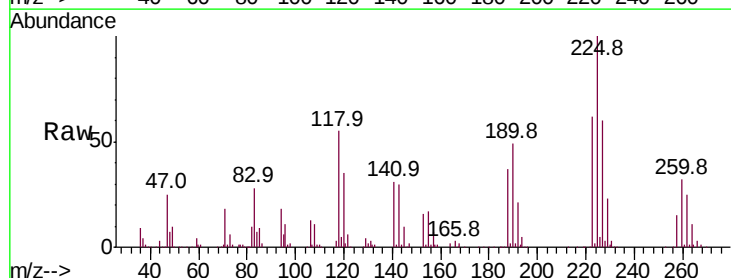
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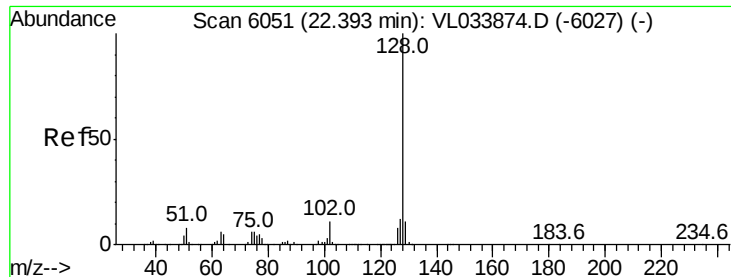
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#78
 Hexachloro-1,3-Butadiene
 Concen: 2.234 ppbv
 RT: 23.53 min Scan# 6404
 Delta R.T. -0.00 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.8	76.2
227	62.9	51.8	77.6





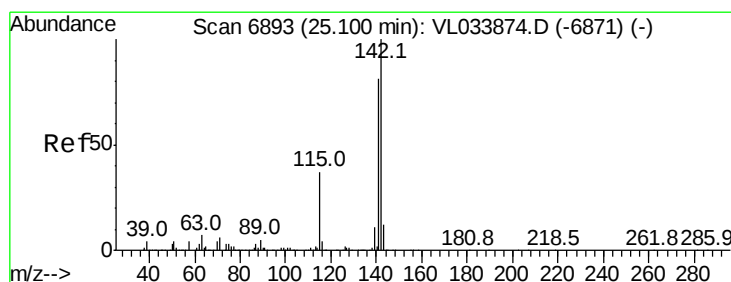
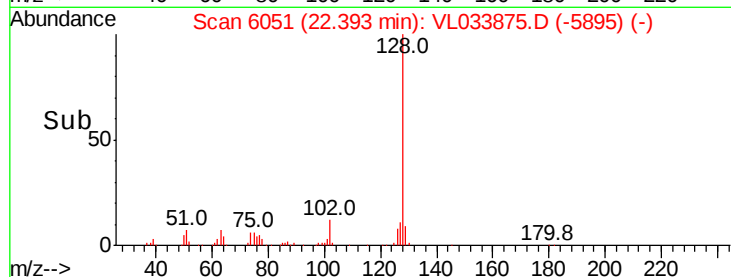
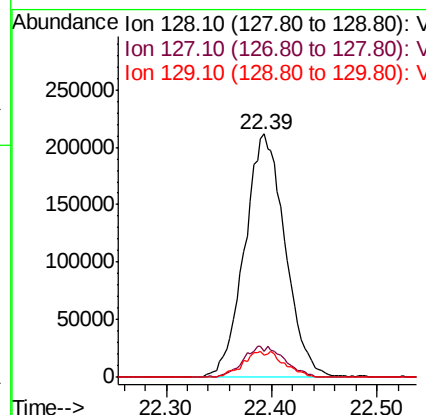
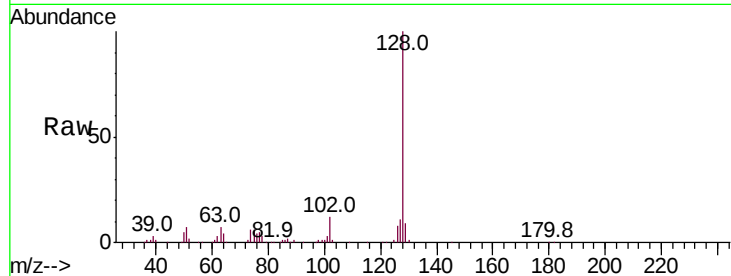
#79
Naphthalene
Concen: 1.947 ppbv
RT: 22.39 min Scan# 6051
Delta R.T. -0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.6	9.7	14.5
129	9.3	8.6	12.8

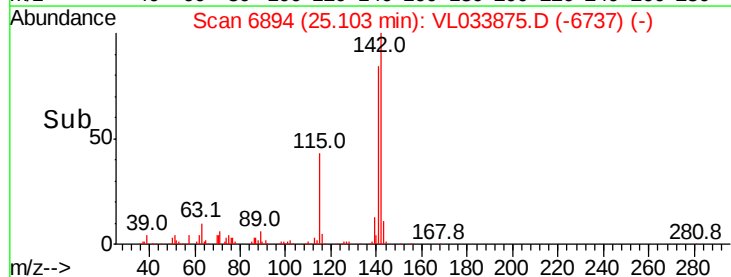
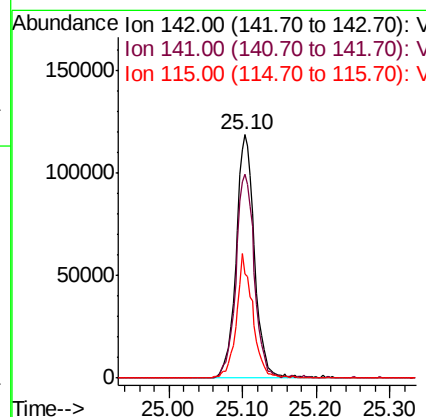
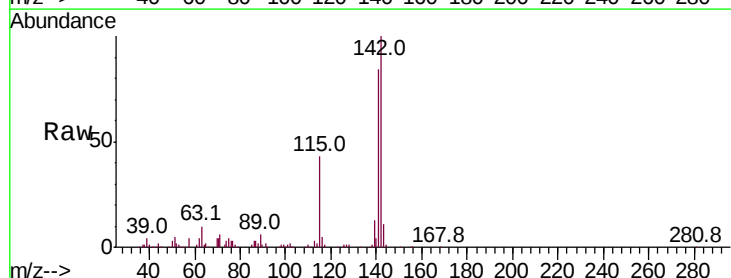
Manual Integrations
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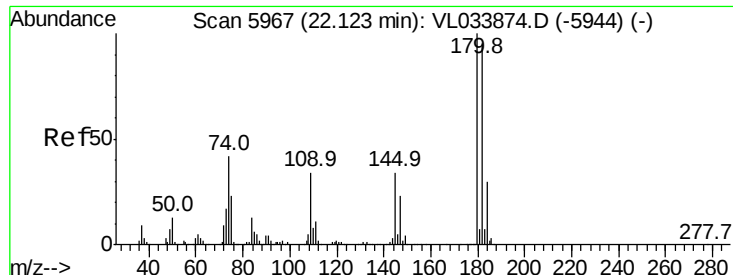
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6/11/2019 9:18:15 AM



#80
Naphthalene, 2-methyl-
Concen: 1.961 ppbv
RT: 25.10 min Scan# 6894
Delta R.T. 0.00 min
Lab File: VL033875.D
Acq: 7 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	65.7	98.5
115	45.1	28.9	43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 1.982 ppbv
 RT: 22.12 min Scan# 5966
 Delta R.T. -0.00 min
 Lab File: VL033875.D
 Acq: 7 Jun 2019 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	76.9	115.3	
184	30.7	24.5	36.7	

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:18:15 AM

