

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 Data File : VL033966.D
 Acq On : 26 Jun 2019 13:58
 Operator : SY/AP
 Sample : VL0626ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 3:00:48 PM

Quant Time: Jun 27 04:19:05 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 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	887899	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2032142	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	2241353m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	1763413	9.58	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1520269	10.552	ppbv	98
3) Chlorodifluoromethane	3.00	51	1032285	9.876	ppbv	99
4) Chloromethane	3.16	50	528898	8.871	ppbv	99
5) Vinyl Chloride	3.28	62	544802	9.848	ppbv	99
6) Bromomethane	3.50	94	366666	9.977	ppbv	97
7) Chloroethane	3.59	64	208177	9.515	ppbv	95
8) Dichlorotetrafluoroethane	3.21	85	1491893	9.689	ppbv	100
9) Propene	3.02	41	380453	9.727	ppbv	98
10) Heptane	8.22	43	1071877	10.842	ppbv	99
11) Trichlorofluoromethane	3.99	101	1860167	10.006	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1243134	9.894	ppbv	100
13) Ethanol	3.64	45	136453	10.723	ppbv	96
14) Bromoethene	3.77	108	481039	10.275	ppbv	99
15) Acetone	3.89	43	1339404	10.343	ppbv	100
16) 1,3-Butadiene	3.35	39	502054	10.186	ppbv	98
17) tert-Butyl alcohol	4.34	59	1140139	11.263	ppbv	99
18) 1,1-Dichloroethene	4.34	96	538738	10.152	ppbv	96
19) Isopropyl Alcohol	4.01	45	845792	11.433	ppbv #	98
20) Methylene Chloride	4.39	84	447221	8.856	ppbv	95
21) Allyl Chloride	4.46	41	747933	10.168	ppbv	99
22) trans-1,2-Dichloroethene	4.94	96	554801	9.918	ppbv	97
23) Vinyl Acetate	5.14	43	1665736	11.067	ppbv	99
24) 1,1-Dichloroethane	5.07	63	1123498	9.597	ppbv	99
25) Ethyl Acetate	5.75	43	1898907	9.629	ppbv	100
26) Hexane	5.76	57	840353	9.359	ppbv	99
27) Carbon Disulfide	4.60	76	1335956	10.709	ppbv	99
28) Methyl tert-Butyl Ether	5.09	73	1497661	11.030	ppbv	100
29) Chloroform	5.83	83	1497048	9.735	ppbv	98
30) Cyclohexane	7.22	84	685741	10.809	ppbv	98
31) cis-1,2-Dichloroethene	5.62	61	842054	10.694	ppbv	98
32) 1,1,1-Trichloroethane	6.60	97	1570378	10.586	ppbv	100
34) 2-Butanone	5.31	43	1235204	10.774	ppbv	99
35) Carbon Tetrachloride	7.11	117	1691790	10.775	ppbv	98
36) Benzene	6.98	78	1670015	10.758	ppbv	99
37) 1,2-Dichloroethane	6.39	62	1154888	10.060	ppbv	100
38) Trichloroethene	7.93	130	718821	11.893	ppbv	97
39) 1,2-Dichloropropane	7.71	63	630830	10.529	ppbv	95
40) 1,4-Dioxane	7.93	88	260252	10.650	ppbv #	1
41) Tetrahydrofuran	6.12	42	654055	11.240	ppbv	100
42) Bromodichloromethane	7.89	83	1622057	10.573	ppbv	99
43) Methyl Methacrylate	8.12	69	686059	11.817	ppbv	99

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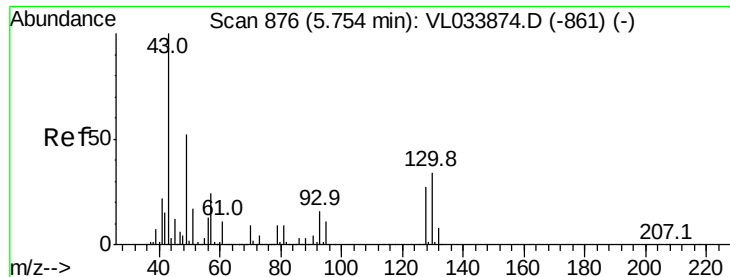
Manual Integrations
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Quant Time: Jun 27 04:19:05 2019
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.97	57	2920168	10.578	ppbv	99
45) t-1,3-Dichloropropene	9.39	75	869649	11.416	ppbv	98
46) cis-1,3-Dichloropropene	8.81	75	1003935	11.503	ppbv	97
47) 1,1,2-Trichloroethane	9.59	97	726372	10.170	ppbv	98
48) Dibromochloromethane	10.42	129	1409391	10.981	ppbv	99
49) Bromoform	13.17	173	1245807	10.995	ppbv	99
50) 4-Methyl-2-Pentanone	8.84	43	1860380	10.883	ppbv	100
51) 2-Hexanone	10.25	43	1536324	11.508	ppbv #	99
52) Tetrachloroethene	11.34	164	664938	12.174	ppbv	97
53) Toluene	9.92	91	2003038	11.660	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1166641	10.836	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.25	131	962160	9.827	ppbv	99
57) Chlorobenzene	12.27	112	1595889	9.507	ppbv	98
58) Ethyl Benzene	12.83	91	2781188	11.006	ppbv	99
59) m/p-Xylene	13.12	91	4852566m	21.117	ppbv	
60) o-Xylene	13.82	91	2461549	10.375	ppbv	100
61) Styrene	13.65	104	1681853	10.954	ppbv	99
62) Isopropylbenzene	14.80	105	3321489	10.387	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.81	83	1741476	9.751	ppbv	99
64) n-propylbenzene	15.69	120	880594	10.753	ppbv	98
65) tert-Butylbenzene	16.88	119	3171693	10.719	ppbv	100
66) Benzyl Chloride	17.13	91	1437666	9.588	ppbv	99
67) sec-Butylbenzene	17.43	105	4404230	10.610	ppbv	99
69) p-Isopropyltoluene	17.79	119	3673293	10.635	ppbv	100
70) n-Butylbenzene	18.69	91	3847136	10.170	ppbv	100
71) 2-Chlorotoluene	15.59	91	2579641	10.950	ppbv	99
72) 4-Ethyltoluene	15.97	105	2944328	10.905	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	2840202	10.679	ppbv	99
74) 1,2,4-Trimethylbenzene	16.90	105	3007332	9.811	ppbv	100
75) 1,3-Dichlorobenzene	17.14	146	1719814	8.959	ppbv	100
76) 1,4-Dichlorobenzene	17.28	146	1659325	9.414	ppbv	99
77) 1,2-Dichlorobenzene	17.96	146	1649674	9.312	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	1173226	8.479	ppbv	99
79) Naphthalene	22.38	128	2338442	9.544	ppbv	99
80) Naphthalene, 2-methyl-	25.09	142	620631	6.349	ppbv	99
81) 1,2,4-Trichlorobenzene	22.09	180	1332173m	8.612	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

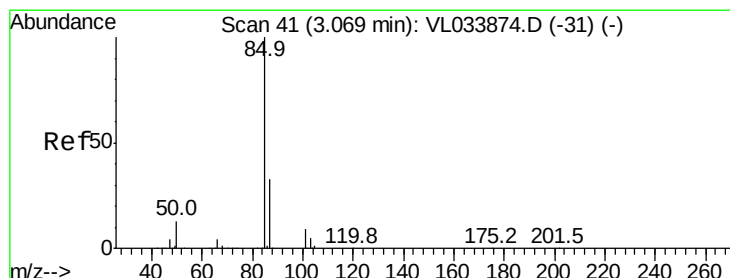
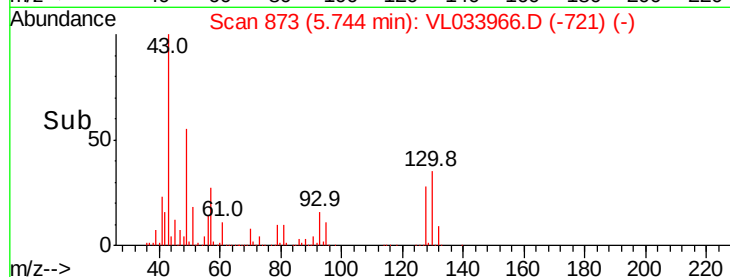
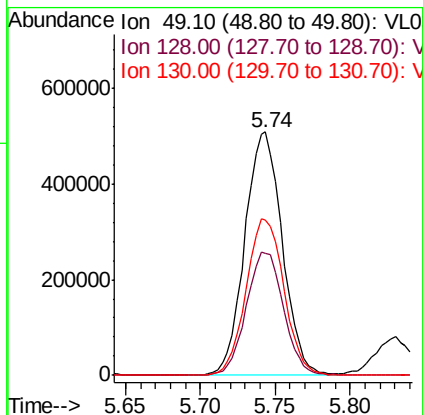
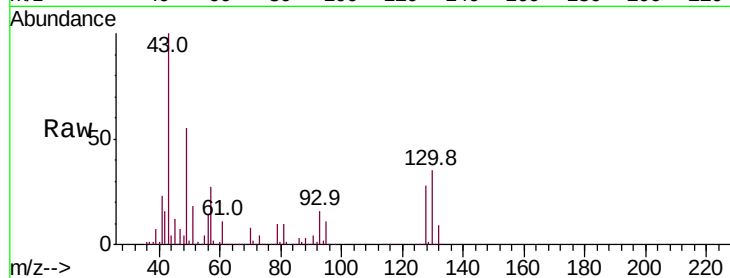
ClientSampleId :

VL0626ABS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.3	25.5	76.5
130	65.0	32.5	97.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.552 ppbv

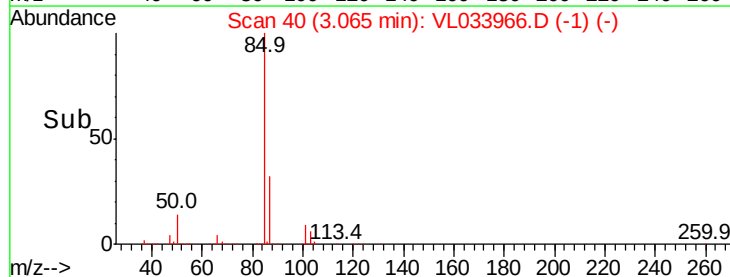
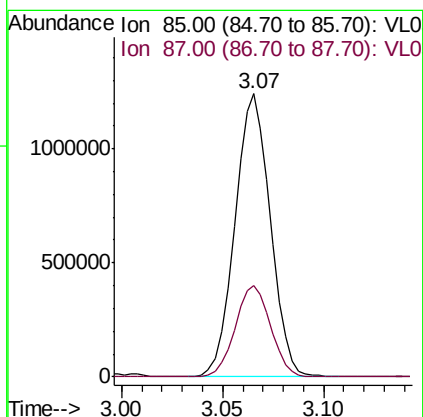
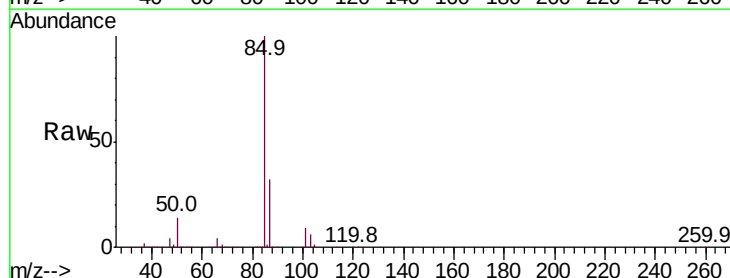
RT: 3.07 min Scan# 40

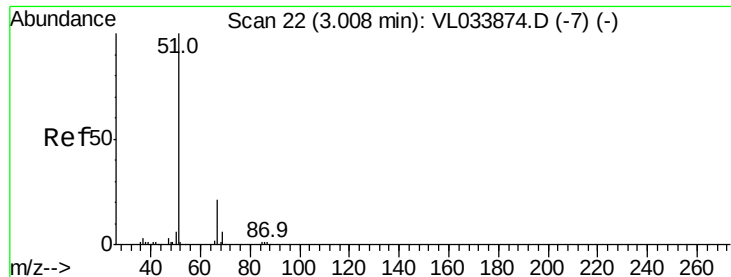
Delta R.T. -0.00 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.6	40.0





#3

Chlorodifluoromethane

Concen: 9.876 ppbv

RT: 3.00 min Scan# 21

Delta R.T. -0.00 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tot Ion: 51 Resp: 1032285

Ion Ratio Lower Upper

51 100

67 21.0 16.4 24.6

Instrument :

MSVOA_L

ClientSampleId :

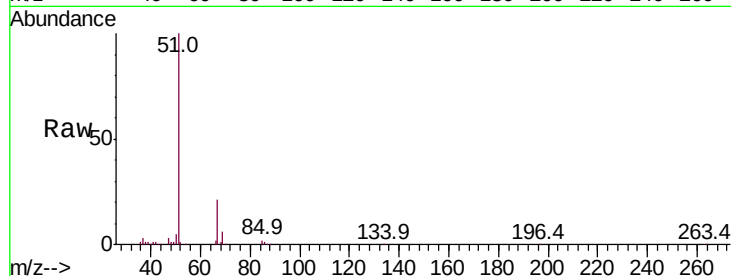
VL0626ABS01

Manual Integrations

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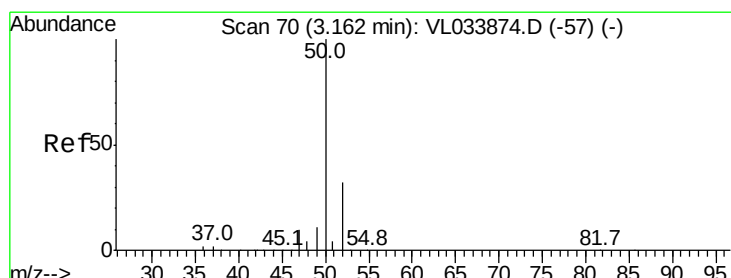
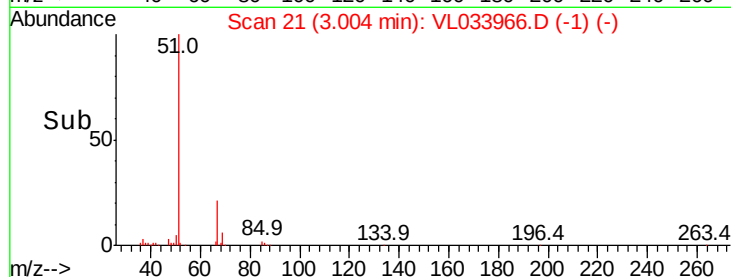
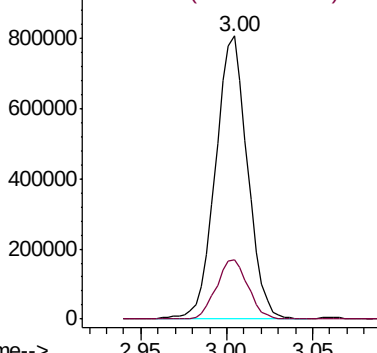
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.871 ppbv

RT: 3.16 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL033966.D

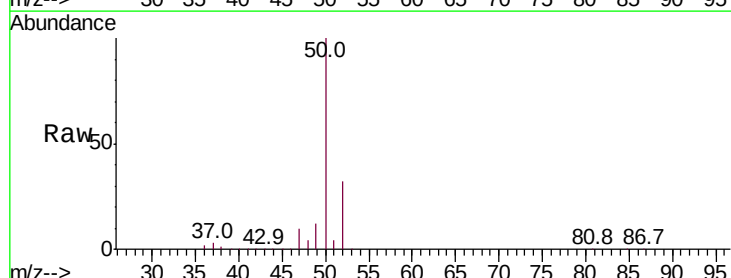
Acq: 26 Jun 2019 13:58

Tgt Ion: 50 Resp: 528898

Ion Ratio Lower Upper

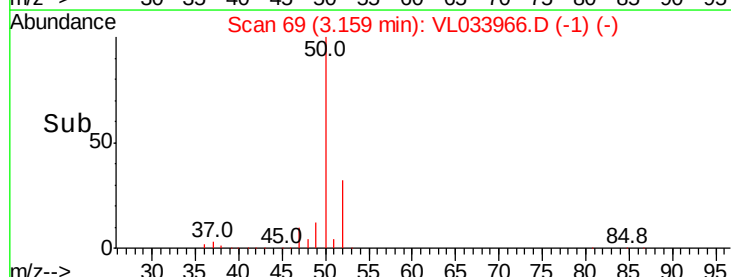
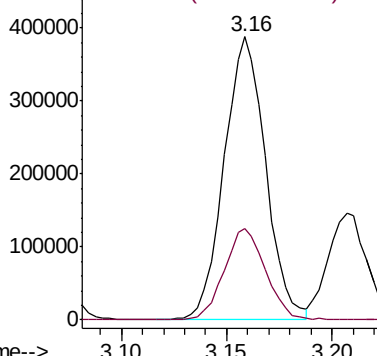
50 100

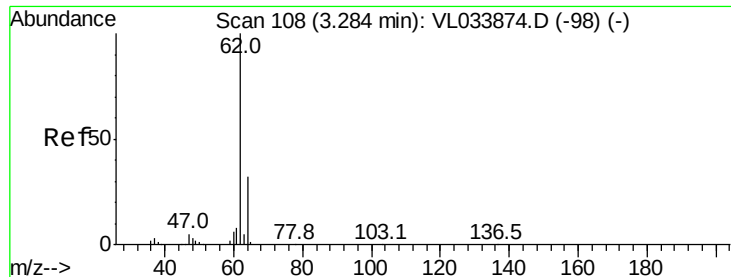
52 32.4 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.848 ppbv

RT: 3.28 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion: 62 Resp: 544802

Ion Ratio Lower Upper

62 100

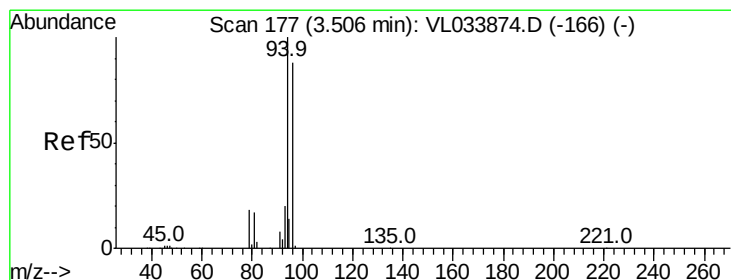
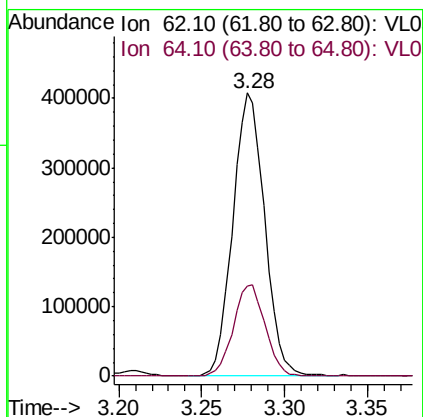
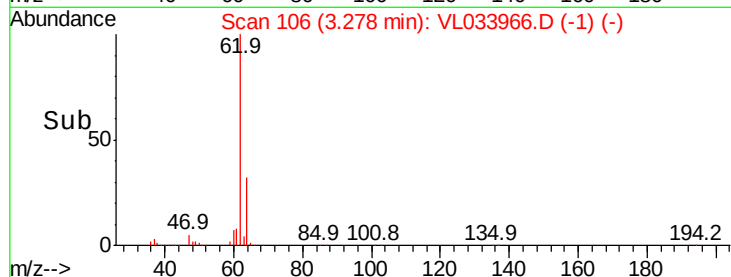
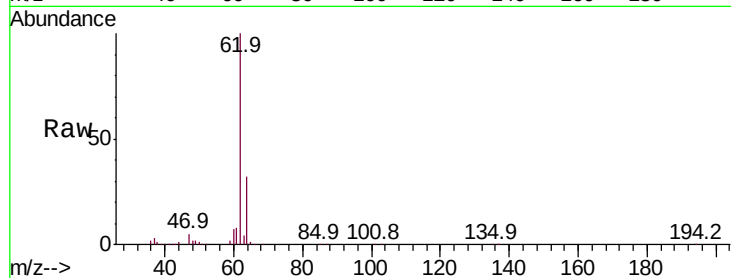
64 32.0 25.2 37.8

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#6

Bromomethane

Concen: 9.977 ppbv

RT: 3.50 min Scan# 175

Delta R.T. -0.01 min

Lab File: VL033966.D

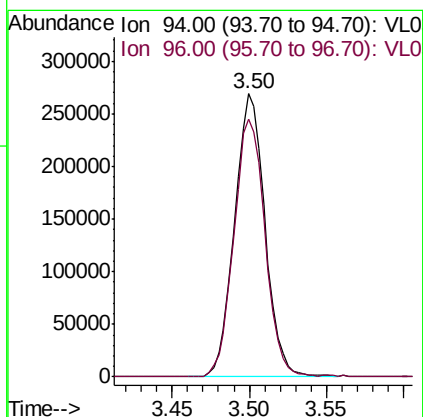
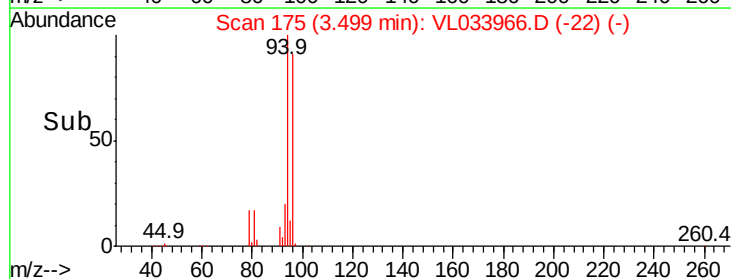
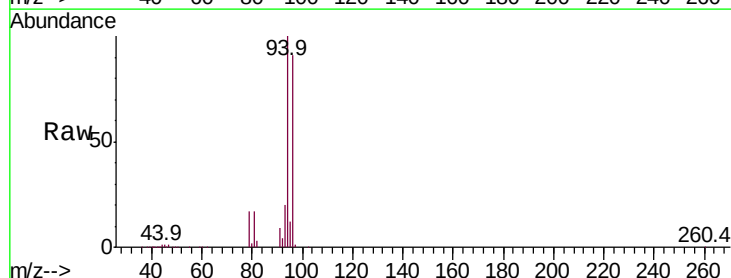
Acq: 26 Jun 2019 13:58

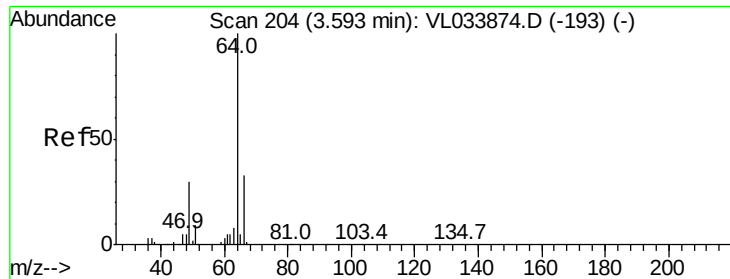
Tgt Ion: 94 Resp: 366666

Ion Ratio Lower Upper

94 100

96 90.8 70.2 105.2





#7

Chloroethane

Concen: 9.515 ppbv

RT: 3.59 min Scan# 202

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion: 64 Resp: 208177

Ion Ratio Lower Upper

64 100

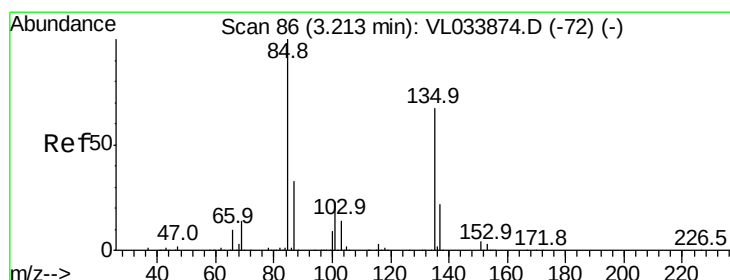
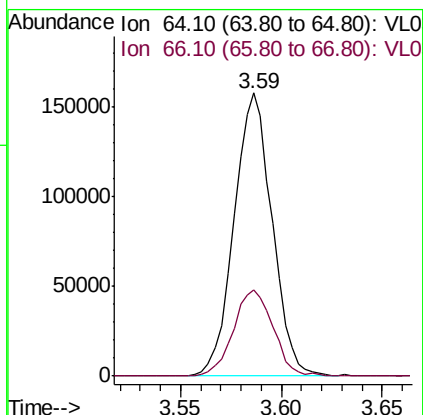
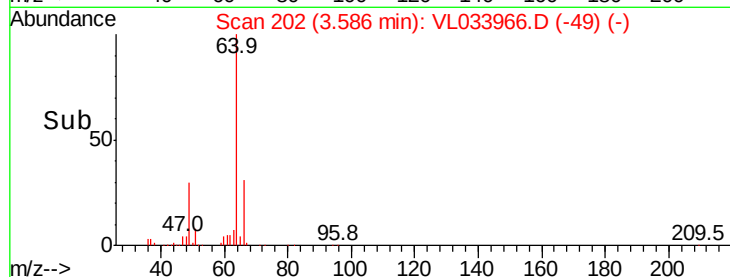
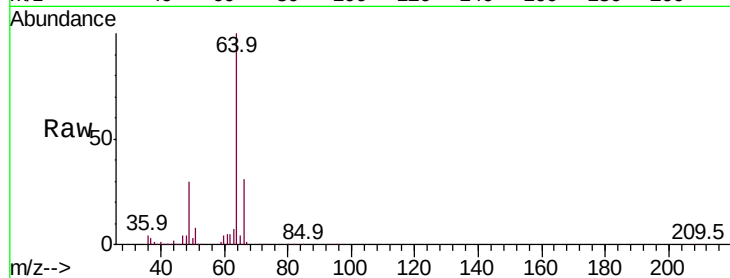
66 30.6 26.7 40.1

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.689 ppbv

RT: 3.21 min Scan# 84

Delta R.T. -0.01 min

Lab File: VL033966.D

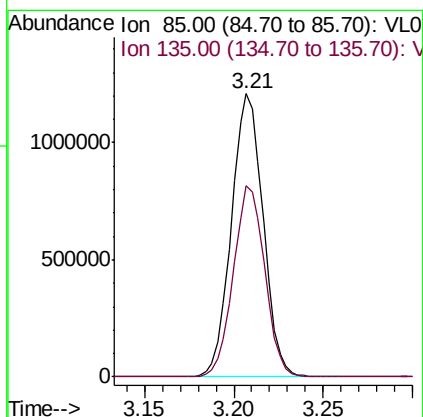
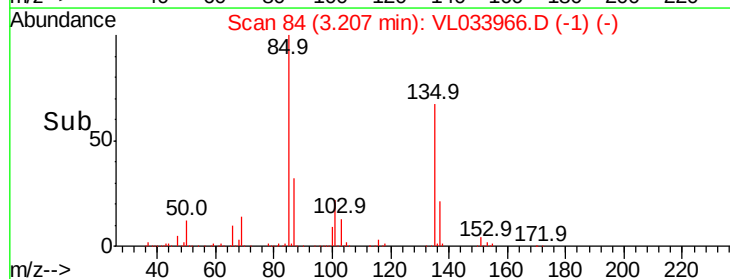
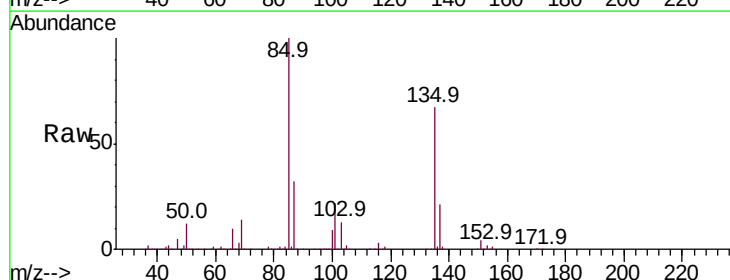
Acq: 26 Jun 2019 13:58

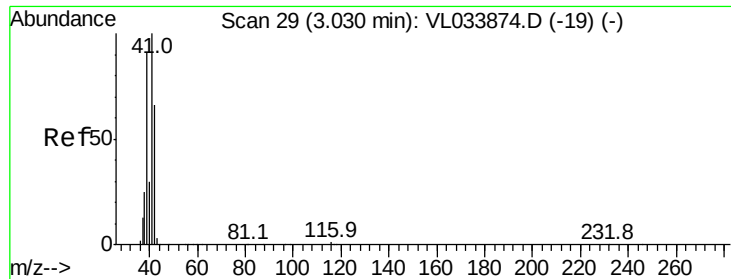
Tgt Ion: 85 Resp: 1491893

Ion Ratio Lower Upper

85 100

135 67.2 53.7 80.5





#9

Propene

Concen: 9.727 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion: 41 Resp: 380453

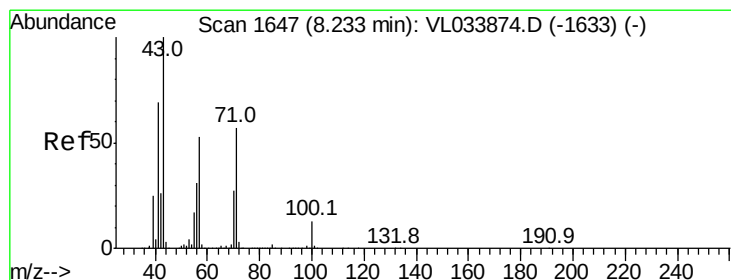
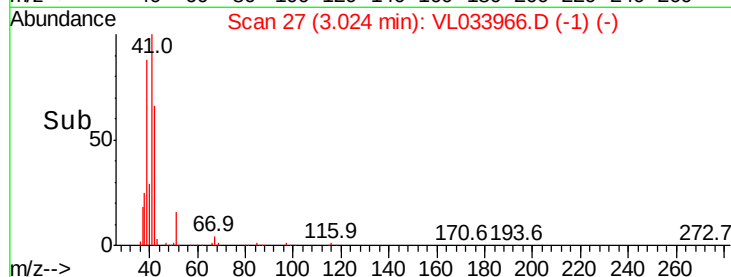
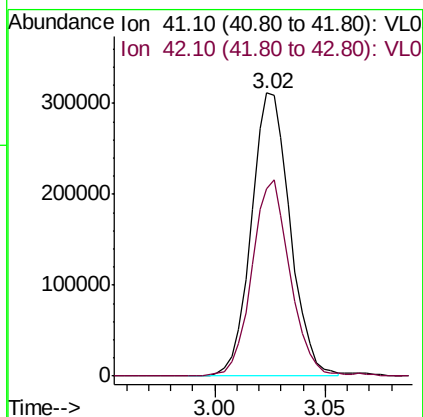
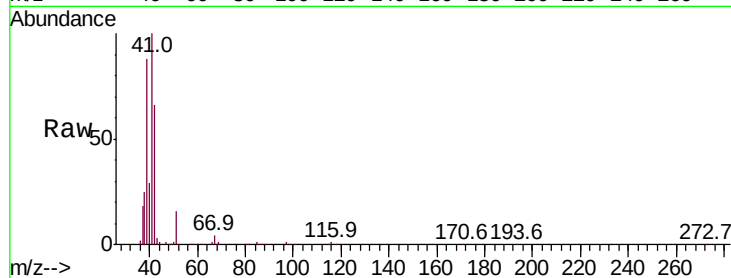
Ion Ratio Lower Upper

41 100

42 68.9 56.3 84.5

Manual Integrations
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#10

Heptane

Concen: 10.842 ppbv

RT: 8.22 min Scan# 1643

Delta R.T. -0.01 min

Lab File: VL033966.D

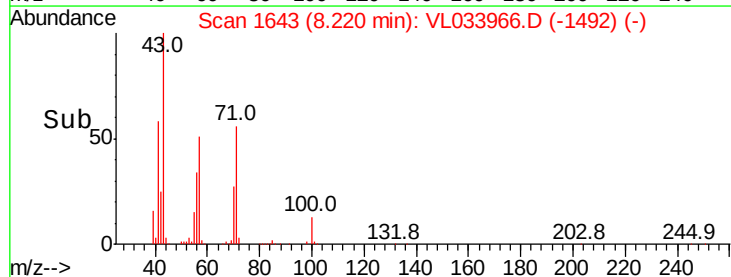
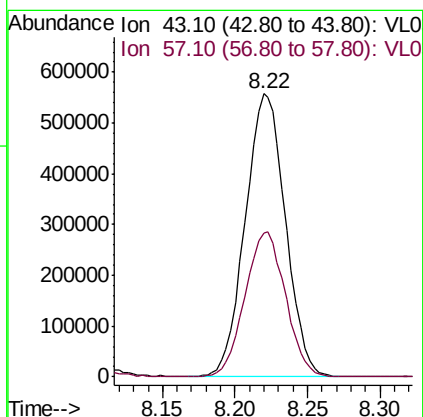
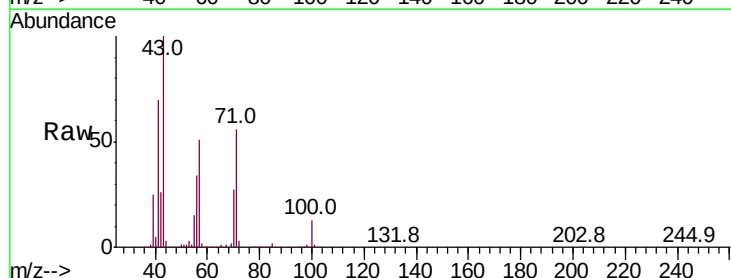
Acq: 26 Jun 2019 13:58

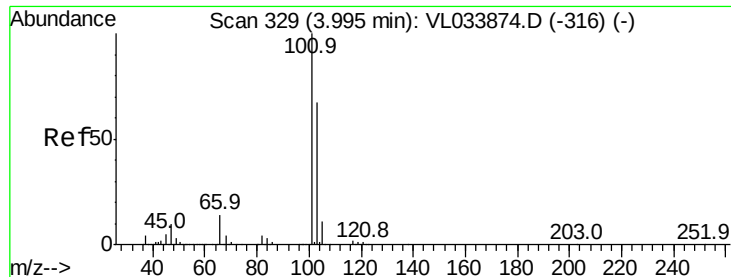
Tgt Ion: 43 Resp: 1071877

Ion Ratio Lower Upper

43 100

57 51.7 41.7 62.5





#11

Trichlorofluoromethane

Concen: 10.006 ppbv

RT: 3.99 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion:101 Resp: 1860167

Ion Ratio Lower Upper

101 100

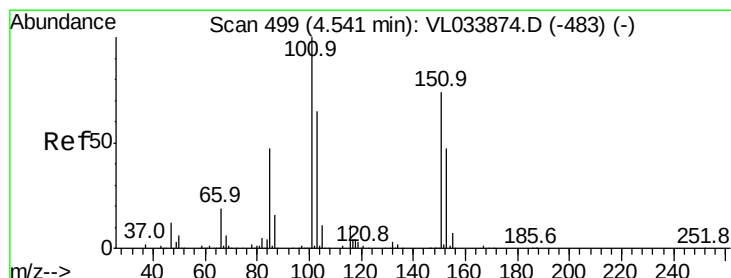
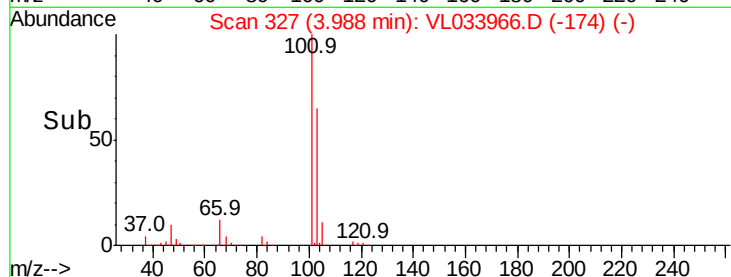
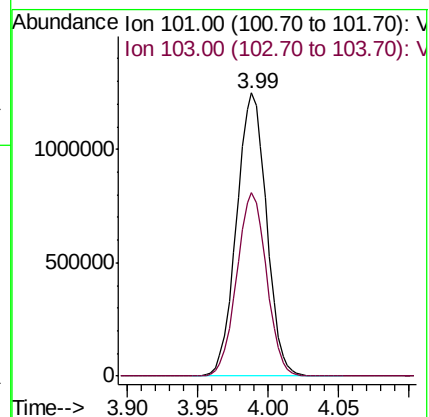
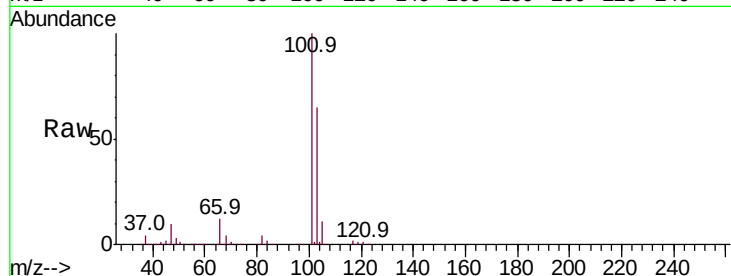
103 64.6 53.6 80.4

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.894 ppbv

RT: 4.53 min Scan# 497

Delta R.T. -0.01 min

Lab File: VL033966.D

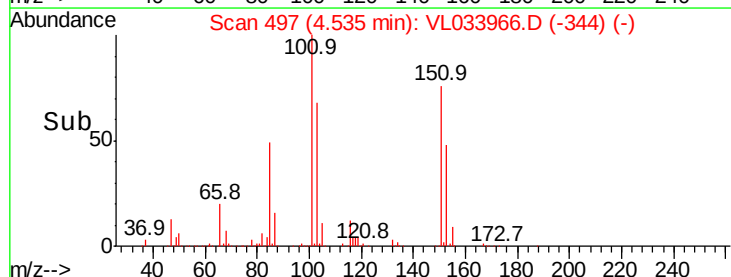
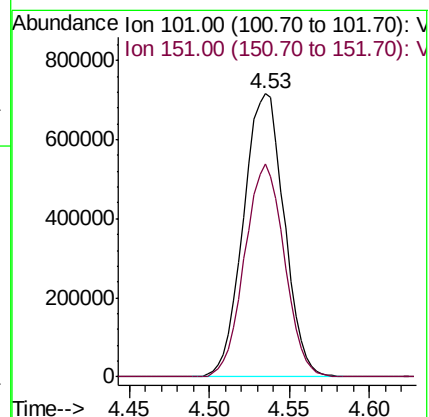
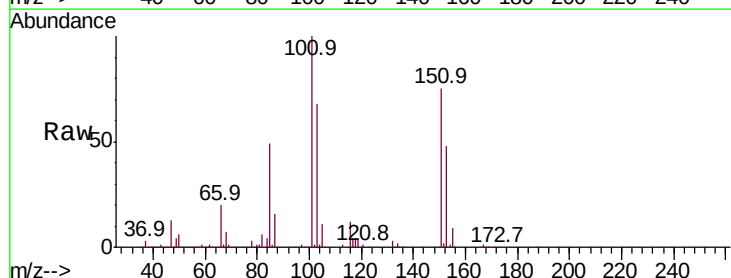
Acq: 26 Jun 2019 13:58

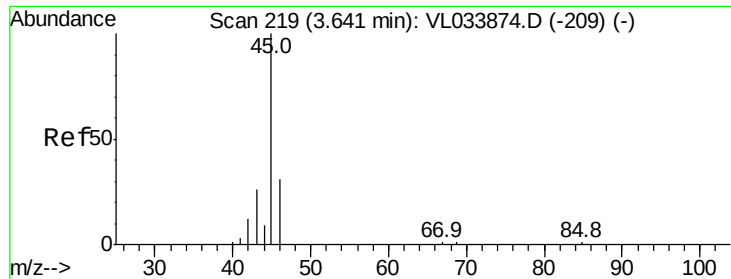
Tgt Ion:101 Resp: 1243134

Ion Ratio Lower Upper

101 100

151 73.5 58.6 87.8





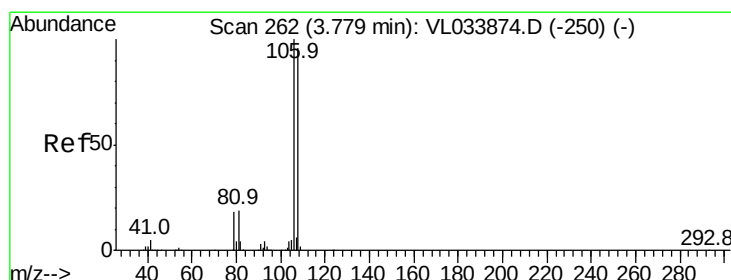
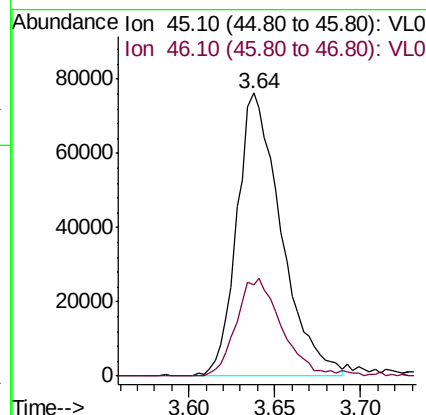
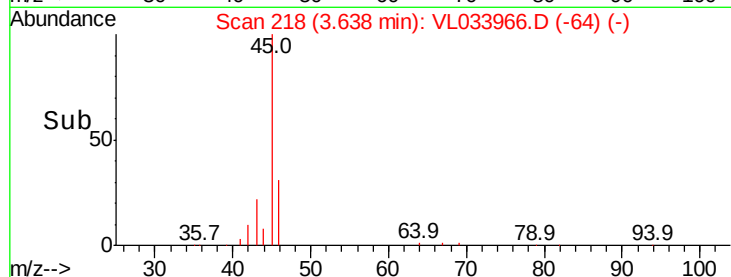
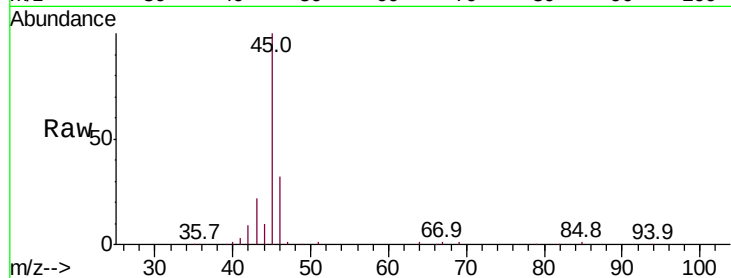
#13
Ethanol
Concen: 10.723 ppbv
RT: 3.64 min Scan# 218
Delta R.T. -0.00 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Instrument :
MSVOA_L
ClientSampleId :
VL0626ABS01

Tot Ion: 45 Resp: 136453
Ion Ratio Lower Upper
45 100
46 35.9 15.3 61.1

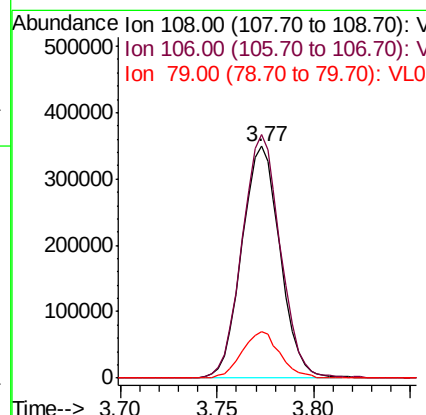
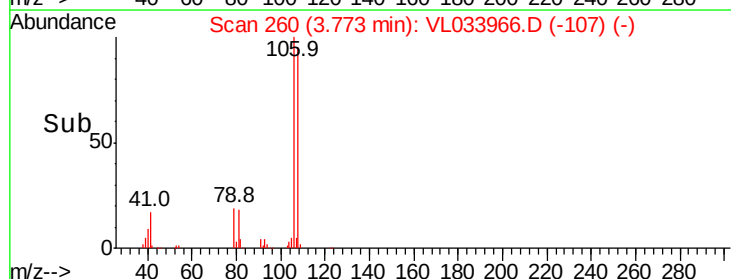
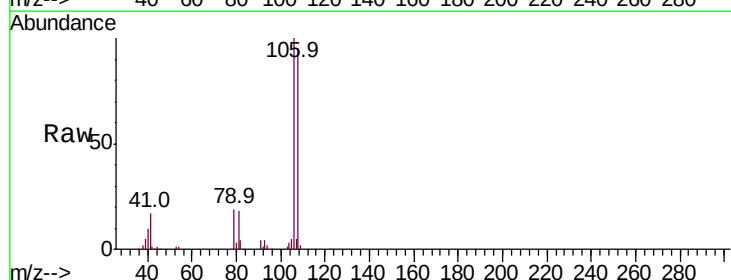
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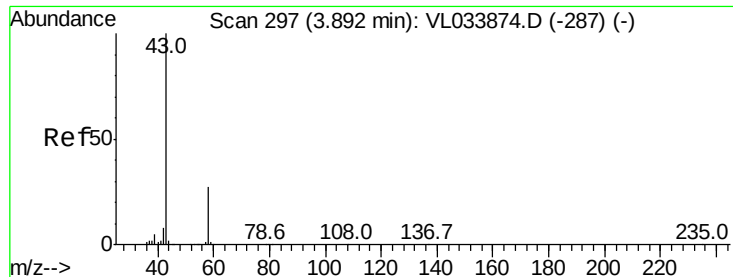
MMDadoda
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#14
Bromoethene
Concen: 10.275 ppbv
RT: 3.77 min Scan# 260
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Tgt Ion: 108 Resp: 481039
Ion Ratio Lower Upper
108 100
106 105.3 84.9 127.3
79 20.1 15.4 23.0





#15

Acetone

Concen: 10.343 ppbv

RT: 3.89 min Scan# 295

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion: 43 Resp: 1339404

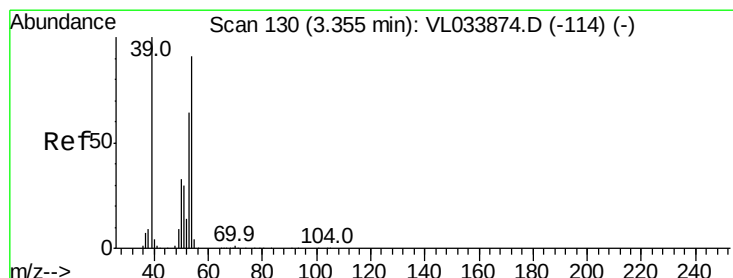
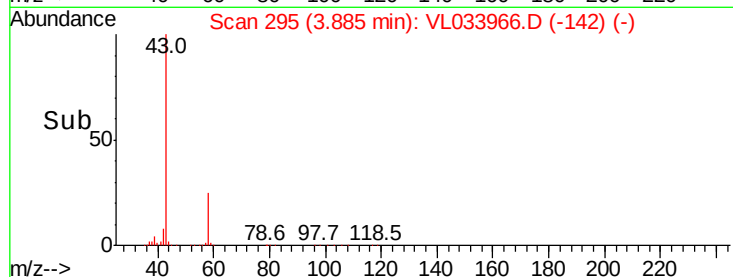
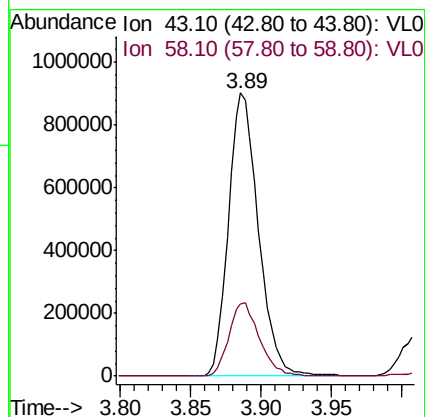
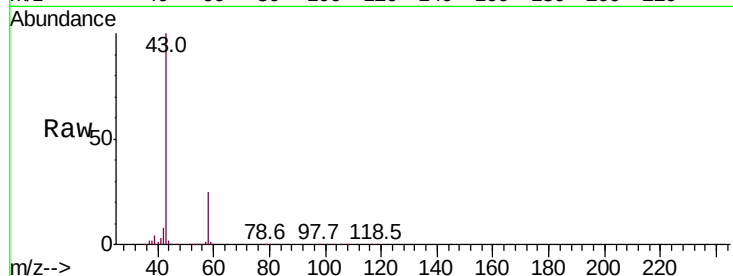
Ion Ratio Lower Upper

43 100

58 26.6 21.3 31.9

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#16

1,3-Butadiene

Concen: 10.186 ppbv

RT: 3.35 min Scan# 128

Delta R.T. -0.01 min

Lab File: VL033966.D

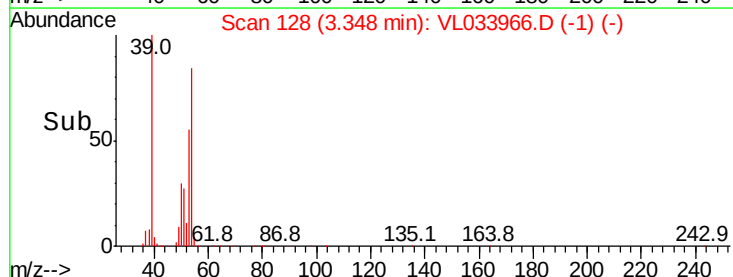
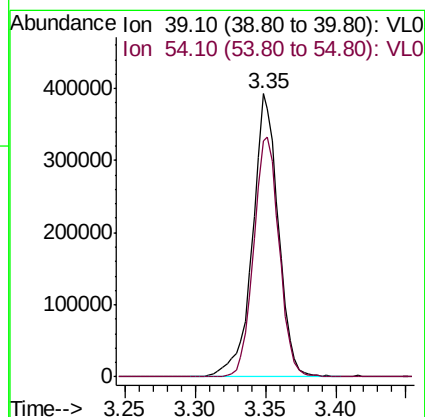
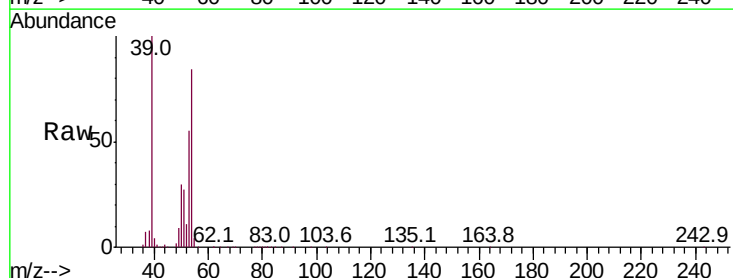
Acq: 26 Jun 2019 13:58

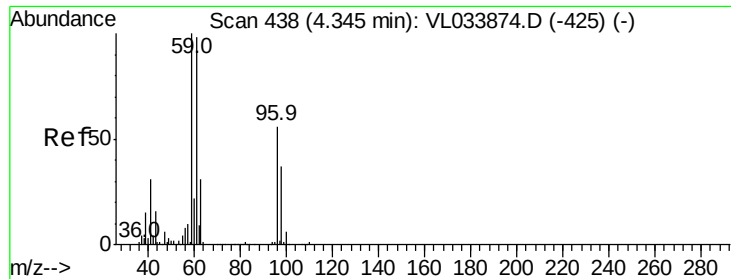
Tgt Ion: 39 Resp: 502054

Ion Ratio Lower Upper

39 100

54 84.1 68.6 103.0





#17

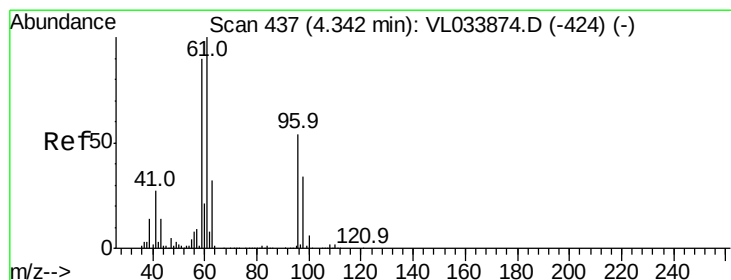
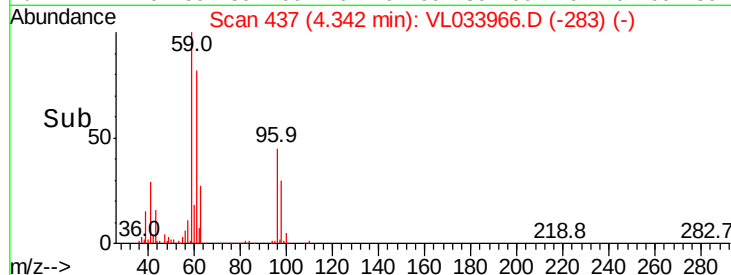
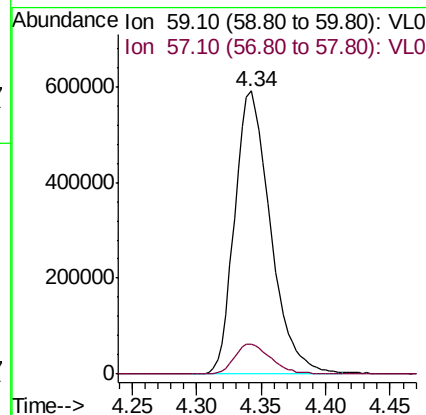
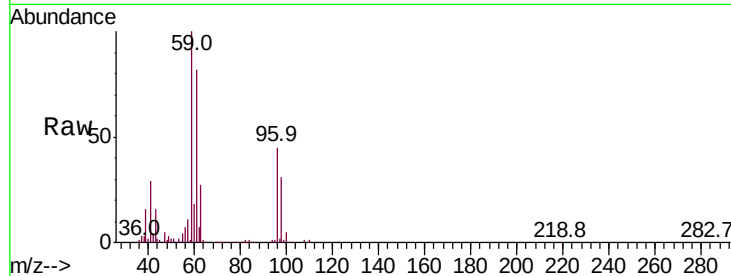
tert-Butyl alcohol
 Concen: 11.263 ppbv
 RT: 4.34 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tot Ion: 59 Resp: 1140139
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.4 12.6

Manual Integrations
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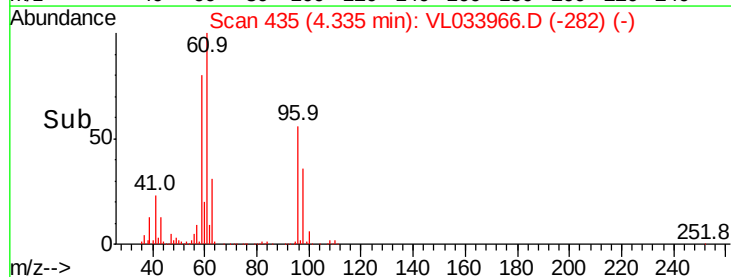
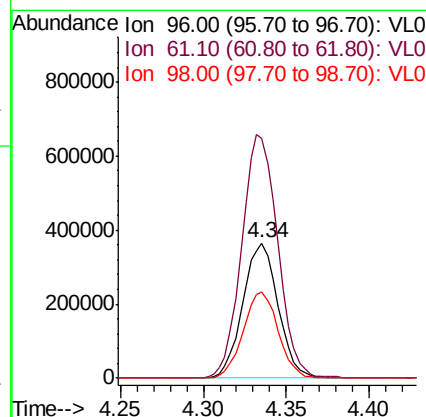
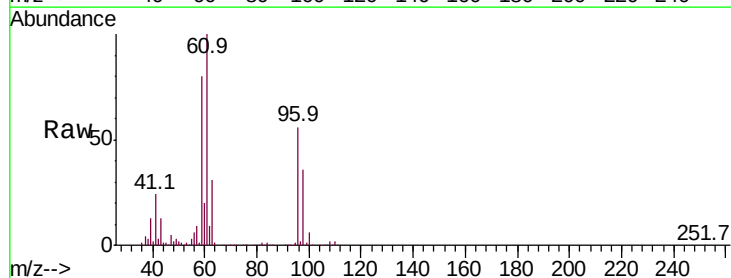
MMDadoda
 6/27/2019 3:00:48 PM

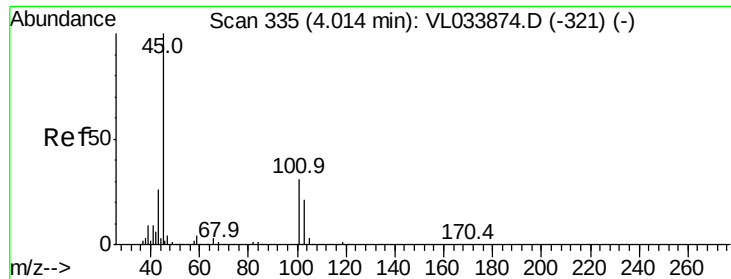


#18

1,1-Dichloroethene
 Concen: 10.152 ppbv
 RT: 4.34 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 96 Resp: 538738
 Ion Ratio Lower Upper
 96 100
 61 177.2 147.0 220.6
 98 63.7 49.4 74.0





#19

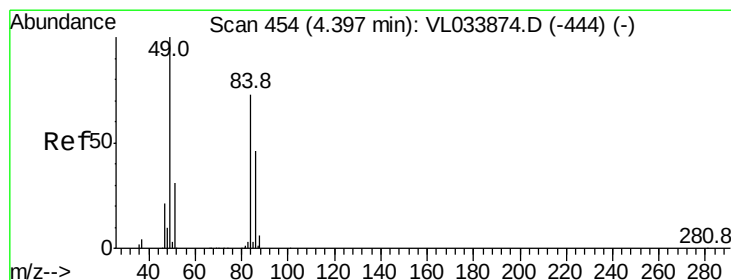
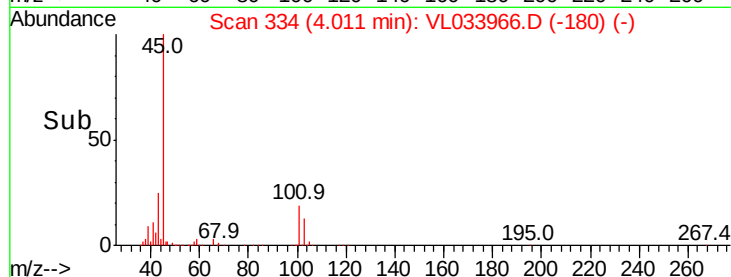
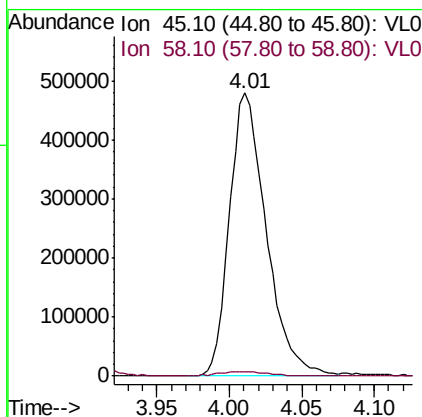
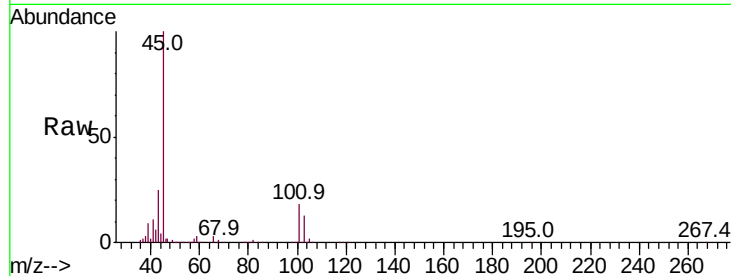
Isopropyl Alcohol
 Concen: 11.433 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tot Ion: 45 Resp: 845792
 Ion Ratio Lower Upper
 45 100
 58 2.7 1.8 2.6#

Manual Integrations
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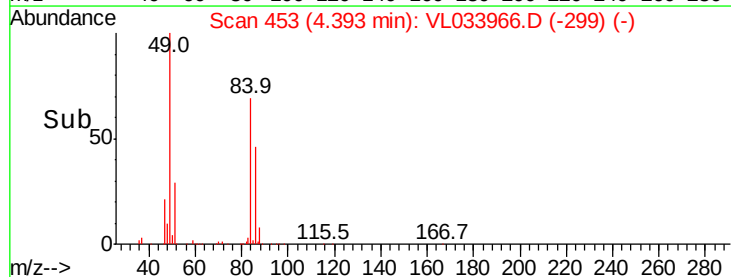
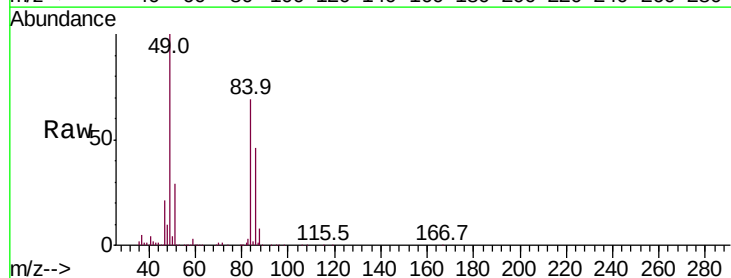
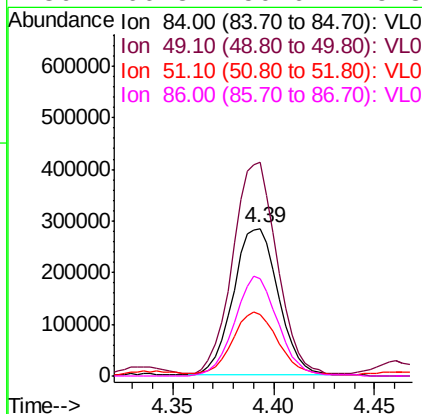
MMDadoda
 6/27/2019 3:00:48 PM

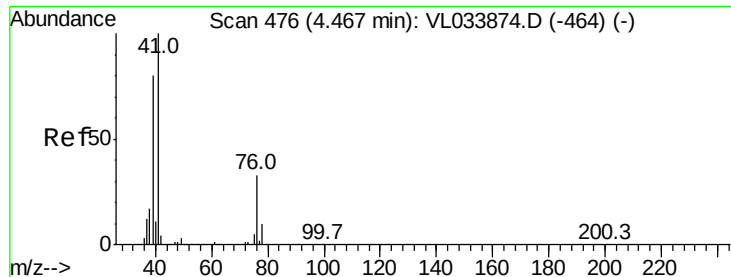


#20

Methylene Chloride
 Concen: 8.856 ppbv
 RT: 4.39 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 84 Resp: 447221
 Ion Ratio Lower Upper
 84 100
 49 144.0 110.0 165.0
 51 41.3 34.6 51.8
 86 66.3 50.6 75.8





#21

Allvl Chloride

Concen: 10.168 ppbv

RT: 4.46 min Scan# 473

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

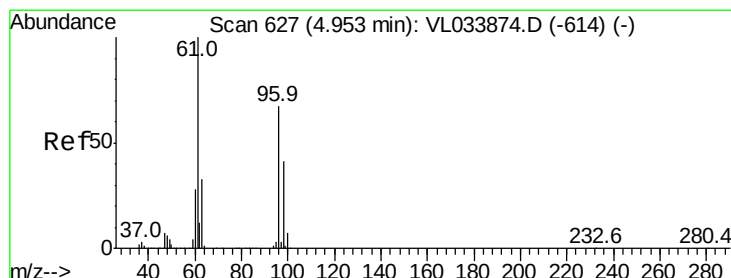
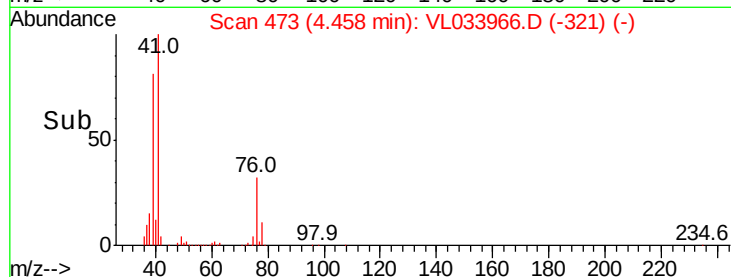
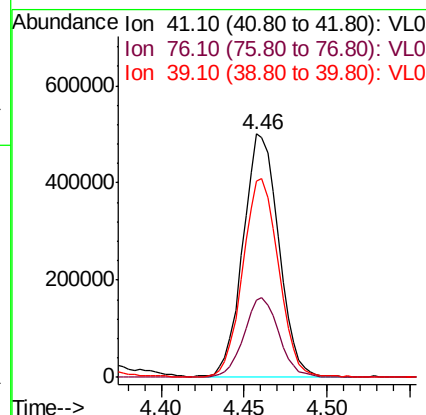
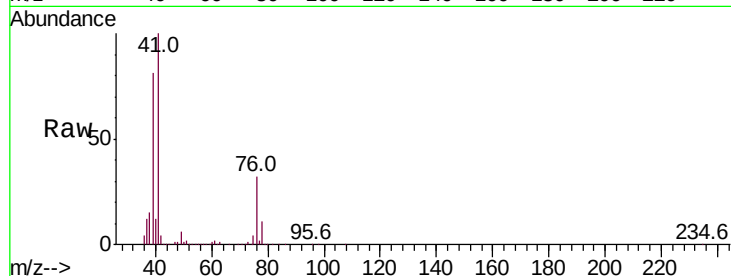
ClientSampleId :

VL0626ABS01

Tot Ion:	41	Resp:	747933
Ion Ratio	Lower	Upper	
41	100		
76	32.2	26.6	39.8
39	82.3	65.2	97.8

Manual Integrations
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6/27/2019 3:00:48 PM



#22

trans-1,2-Dichloroethene

Concen: 9.918 ppbv

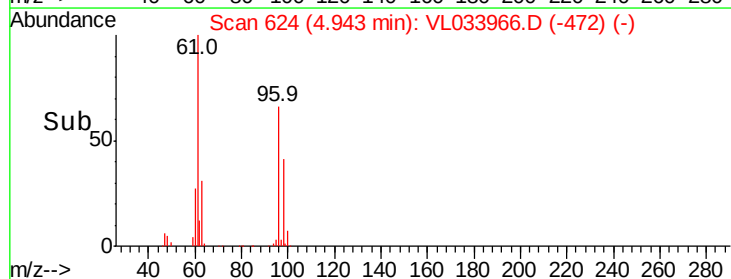
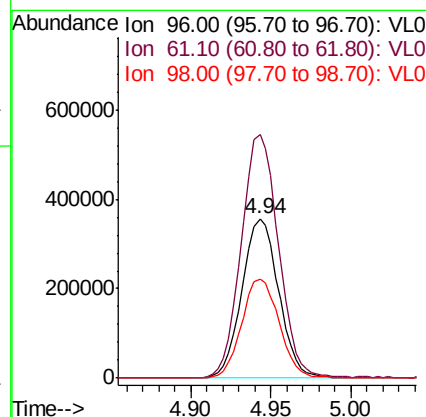
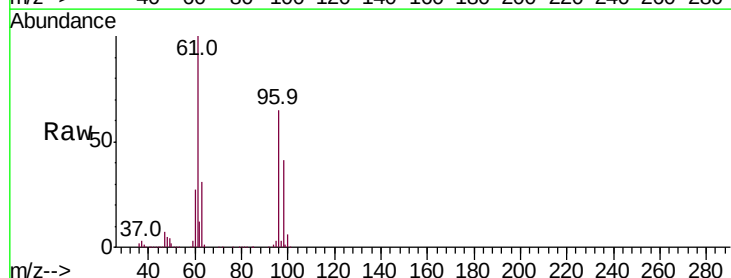
RT: 4.94 min Scan# 624

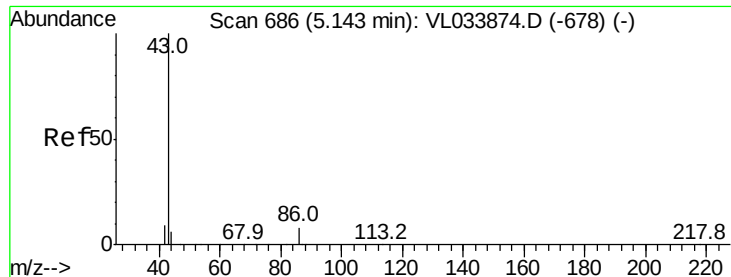
Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion:	96	Resp:	554801
Ion Ratio	Lower	Upper	
96	100		
61	152.8	119.0	178.6
98	62.0	48.3	72.5





#23

Vinyl Acetate

Concen: 11.067 ppbv

RT: 5.14 min Scan# 684

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion: 43 Resp: 1665736

Ion Ratio Lower Upper

43 100

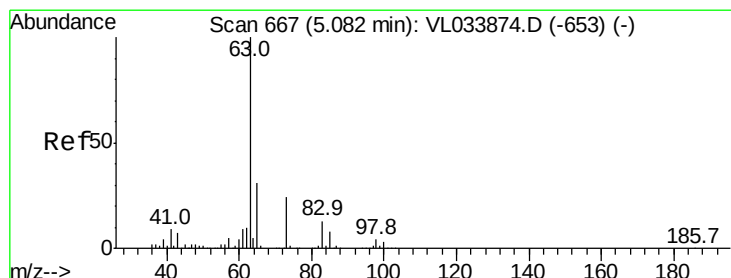
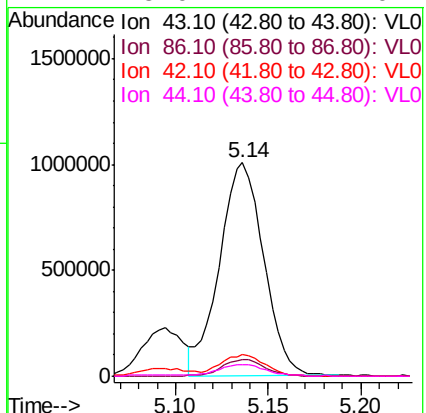
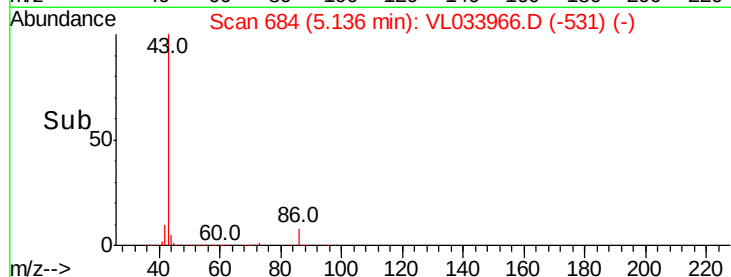
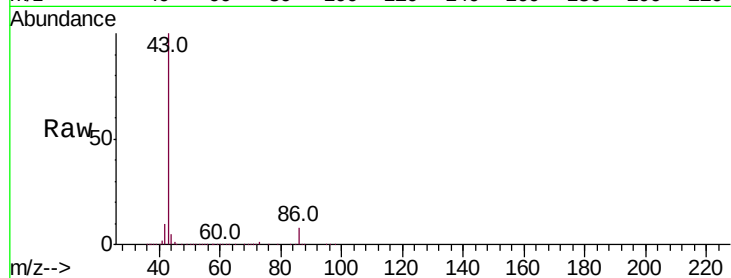
86 7.6 5.8 8.8

42 10.2 7.8 11.8

44 5.0 4.2 6.4

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.597 ppbv

RT: 5.07 min Scan# 664

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

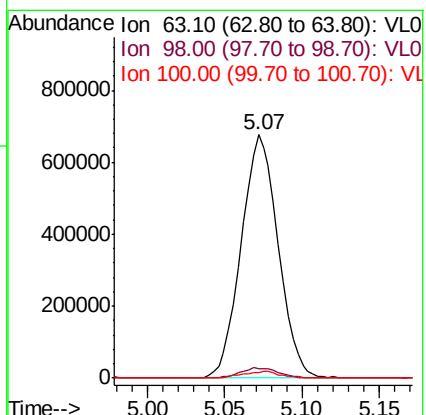
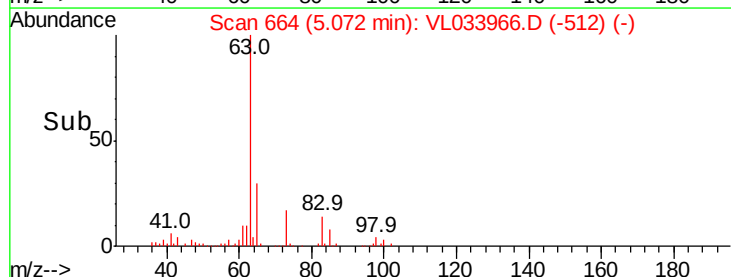
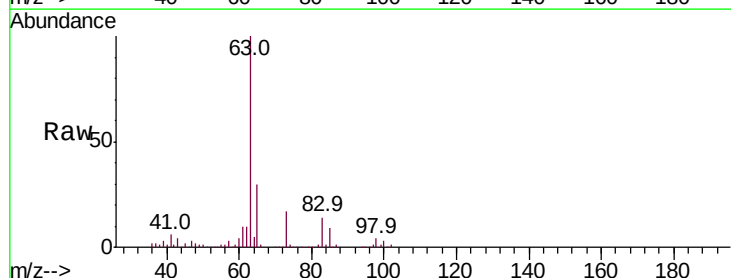
Tgt Ion: 63 Resp: 1123498

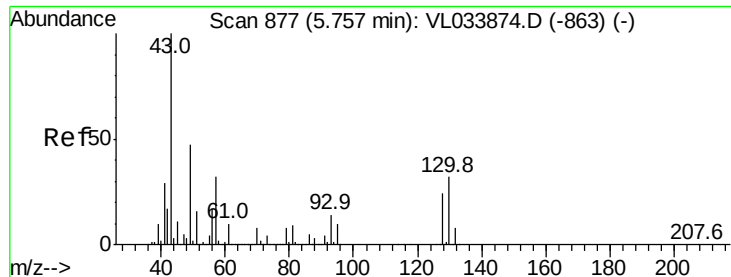
Ion Ratio Lower Upper

63 100

98 3.9 2.2 6.6

100 2.5 1.3 3.8





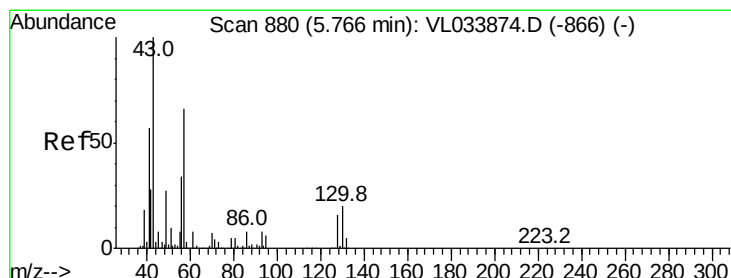
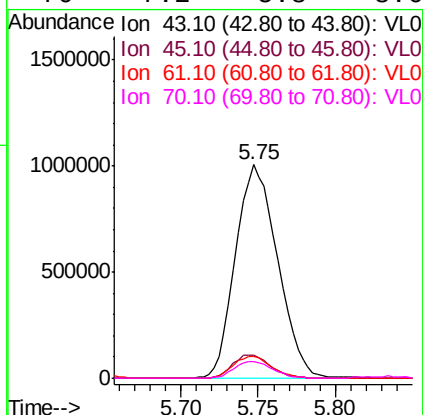
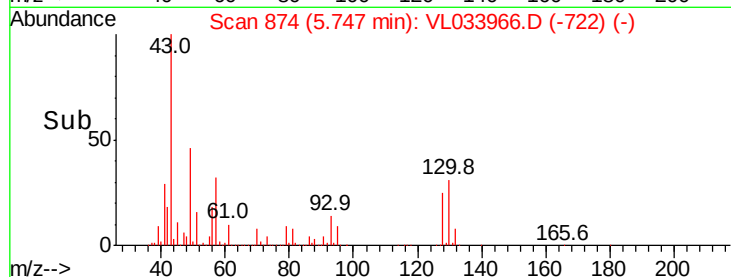
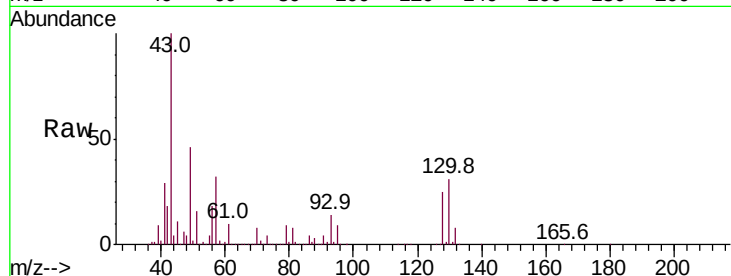
#25
Ethyl Acetate
Concen: 9.629 ppbv
RT: 5.75 min Scan# 874
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Instrument :
MSVOA_L
ClientSampleId :
VL0626ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.8	11.6
70	7.2	5.8	8.6

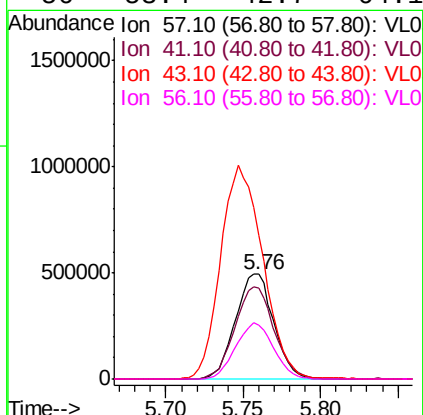
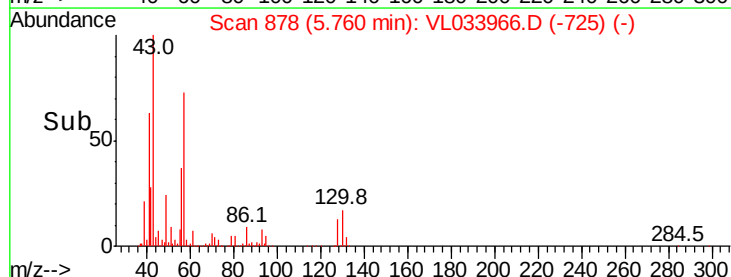
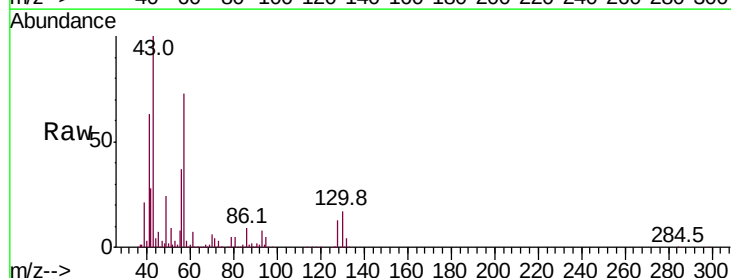
Manual Integrations
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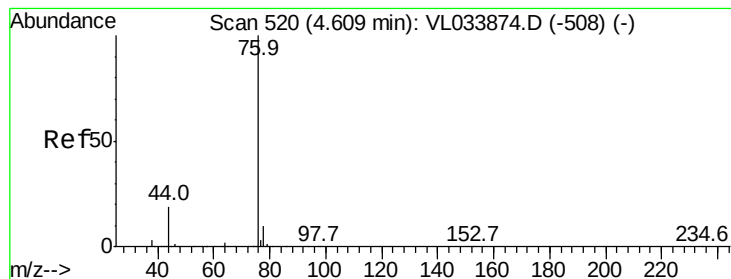
MMDadoda
6/27/2019 3:00:48 PM



#26
Hexane
Concen: 9.359 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.1	71.4	107.2
43	227.6	183.7	275.5
56	53.4	42.7	64.1





#27

Carbon Disulfide

Concen: 10.709 ppbv

RT: 4.60 min Scan# 518

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion: 76 Resp: 1335956

Ion Ratio Lower Upper

76 100

44 17.4 14.4 21.6

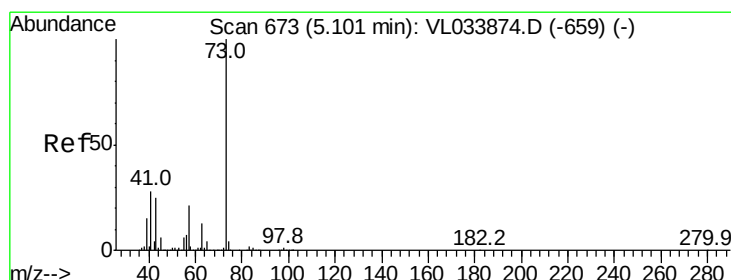
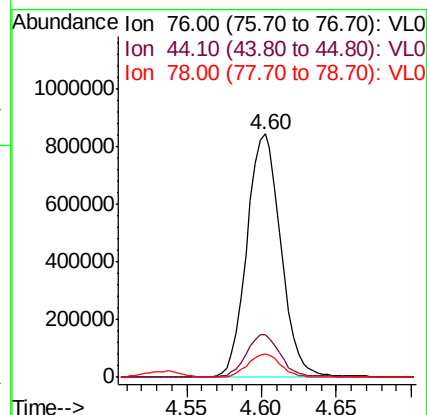
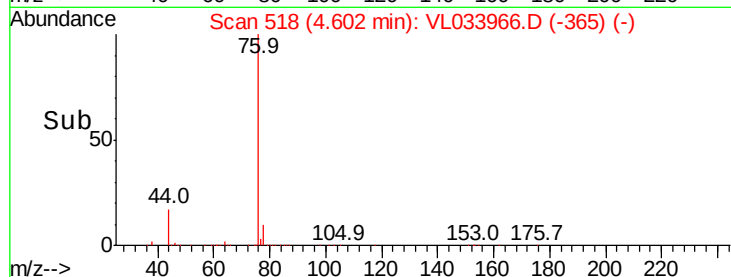
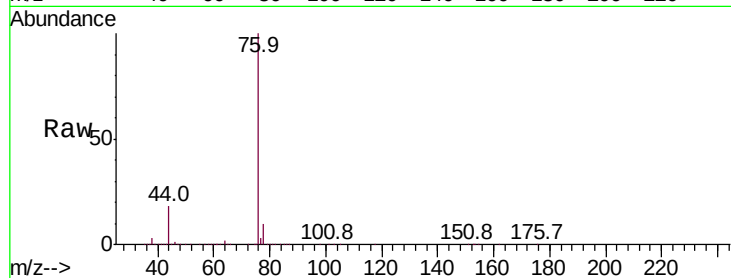
78 9.4 7.5 11.3

Manual Integrations

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6/27/2019 3:00:48 PM



#28

Methyl tert-Butyl Ether

Concen: 11.030 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.01 min

Lab File: VL033966.D

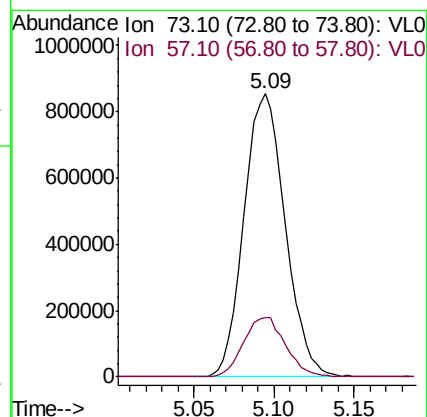
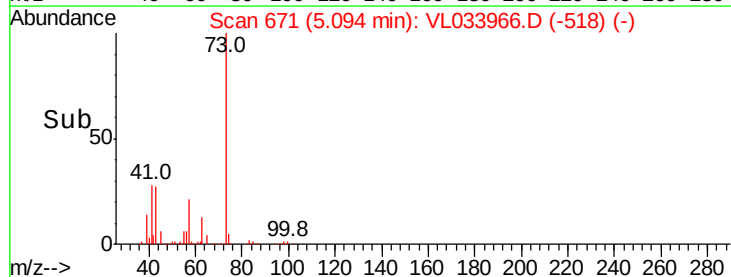
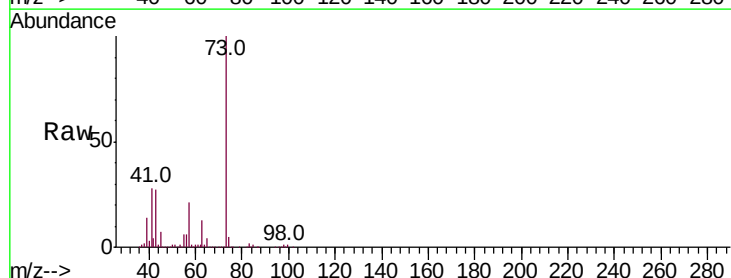
Acq: 26 Jun 2019 13:58

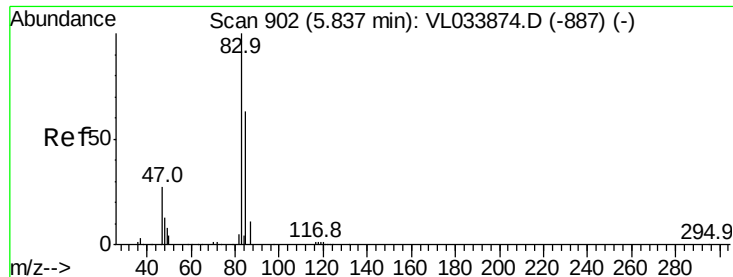
Tgt Ion: 73 Resp: 1497661

Ion Ratio Lower Upper

73 100

57 21.5 17.2 25.8





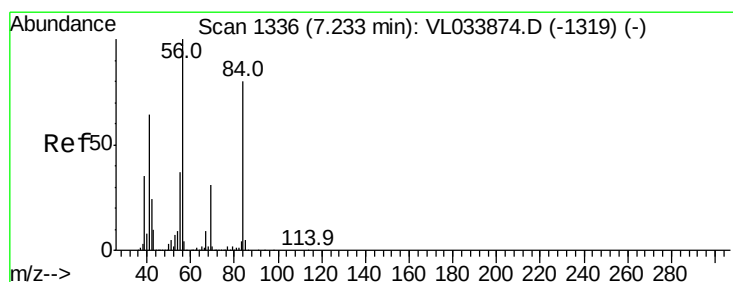
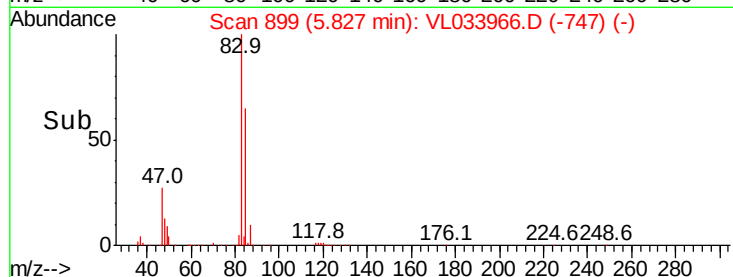
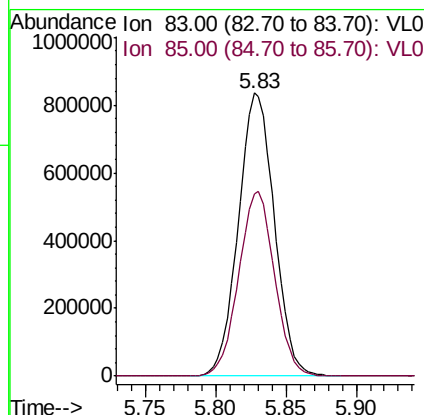
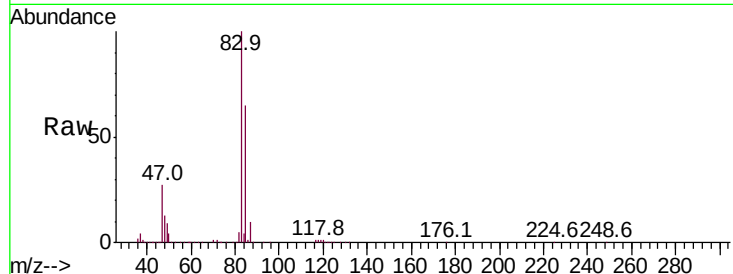
#29
Chloroform
Concen: 9.735 ppbv
RT: 5.83 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Instrument :
MSVOA_L
ClientSampleId :
VL0626ABS01

Tot Ion: 83 Resp: 1497048
Ion Ratio Lower Upper
83 100
85 64.6 50.5 75.7

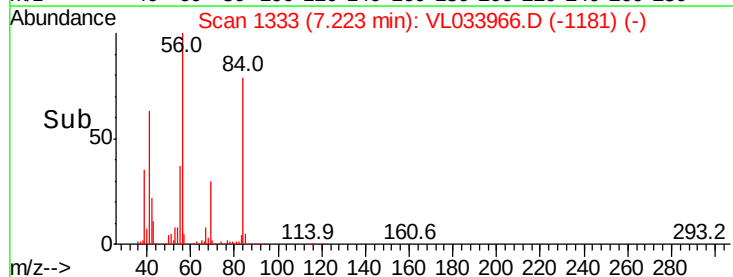
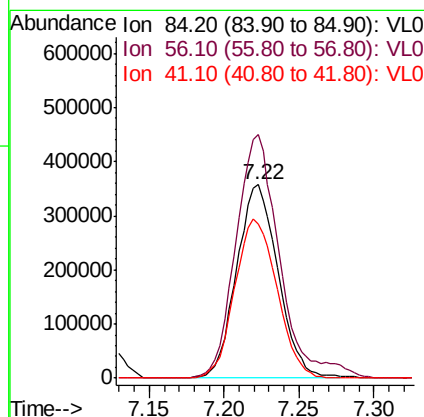
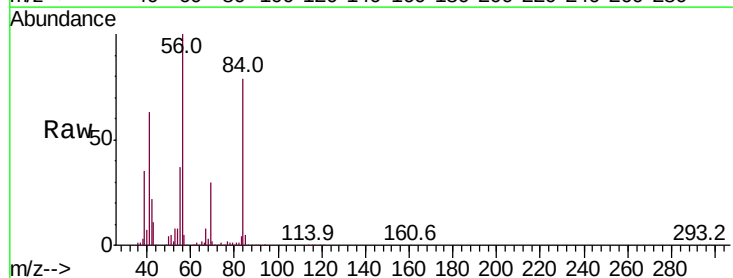
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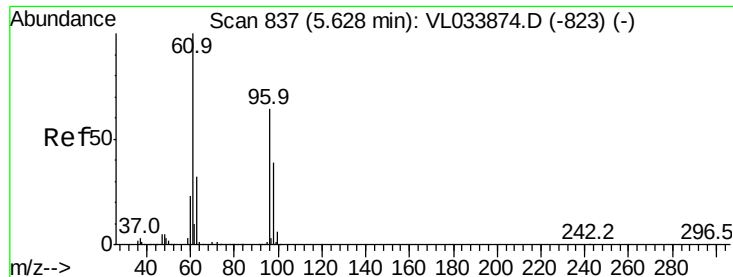
MMDadoda
6/27/2019 3:00:48 PM



#30
Cyclohexane
Concen: 10.809 ppbv
RT: 7.22 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Tgt Ion: 84 Resp: 685741
Ion Ratio Lower Upper
84 100
56 134.1 105.8 158.8
41 84.6 65.7 98.5





#31

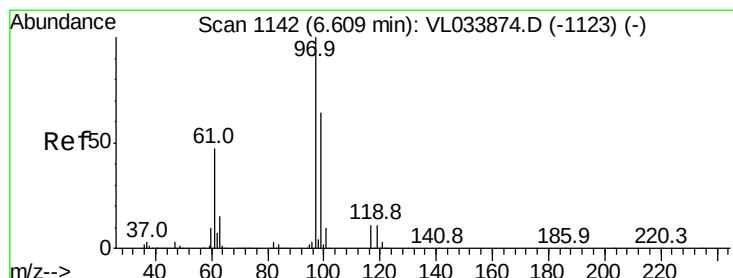
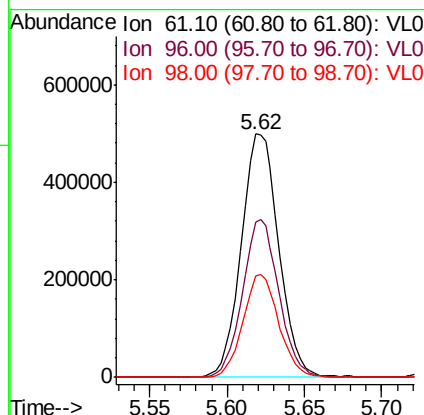
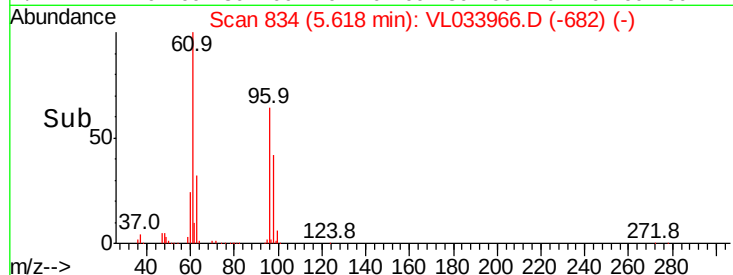
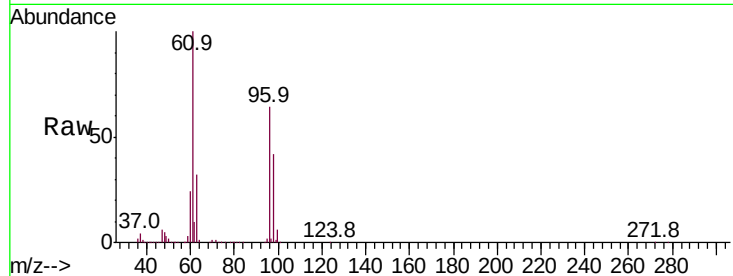
cis-1,2-Dichloroethene
 Concen: 10.694 ppbv
 RT: 5.62 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.7	50.9	76.3
98	41.8	31.4	47.2

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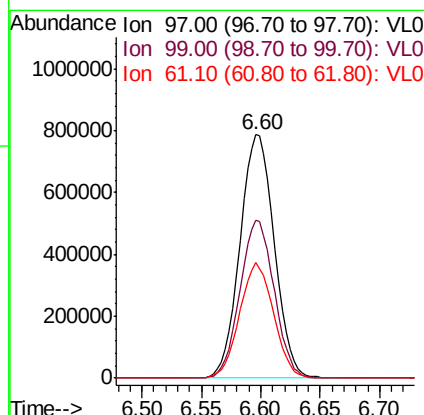
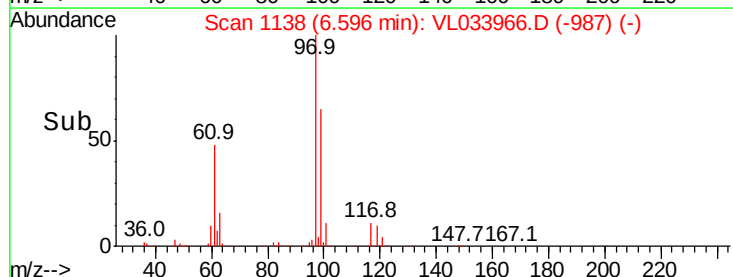
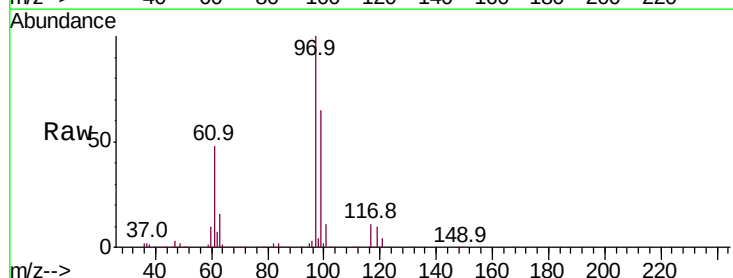
MMDadoda
 6/27/2019 3:00:48 PM

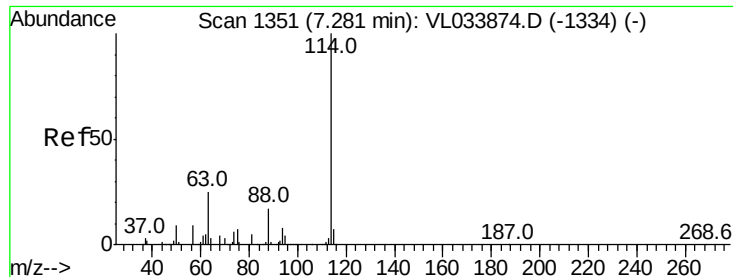


#32

1,1,1-Trichloroethane
 Concen: 10.586 ppbv
 RT: 6.60 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	47.1	37.7	56.5





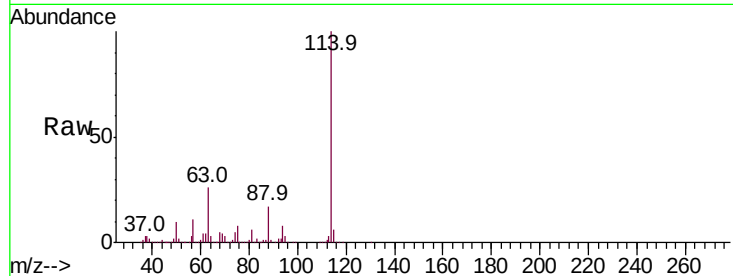
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

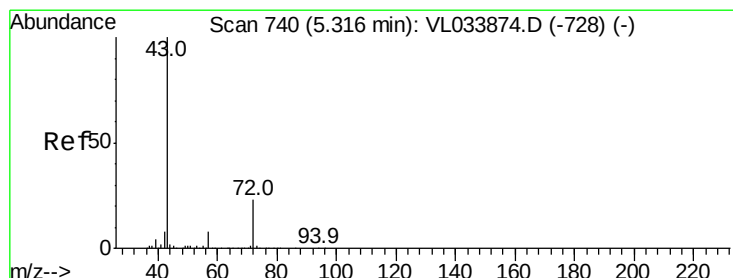
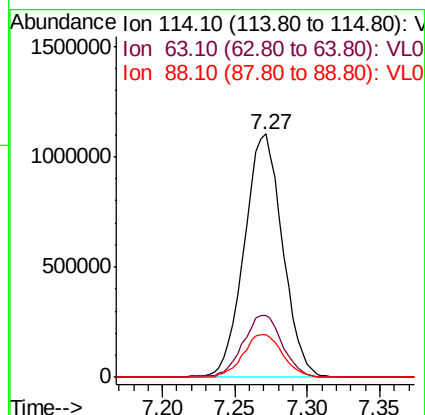
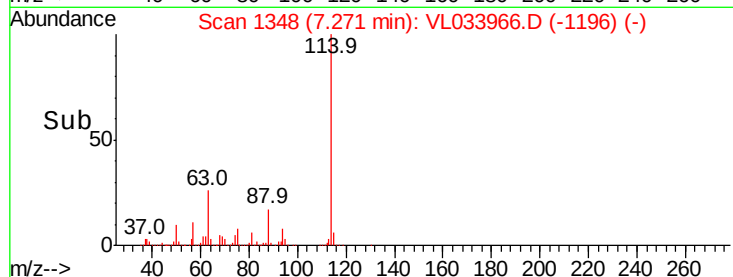
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.1	31.7
88	18.0	14.2	21.4

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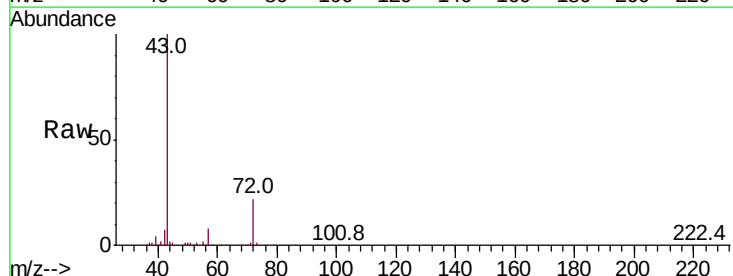


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

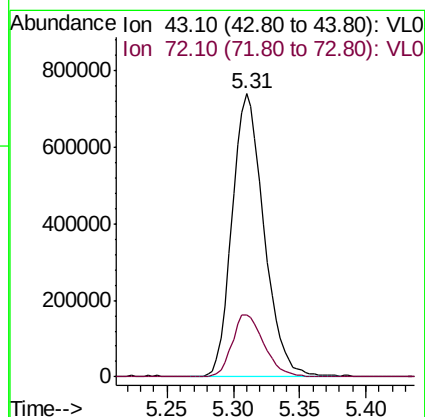
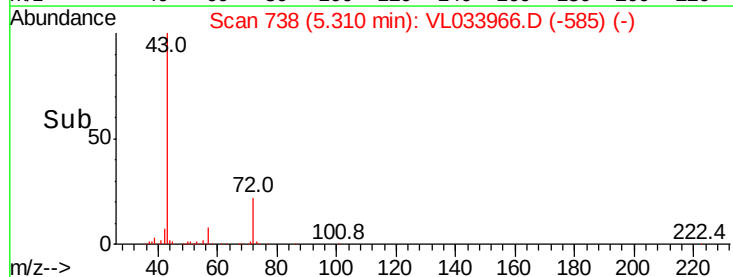


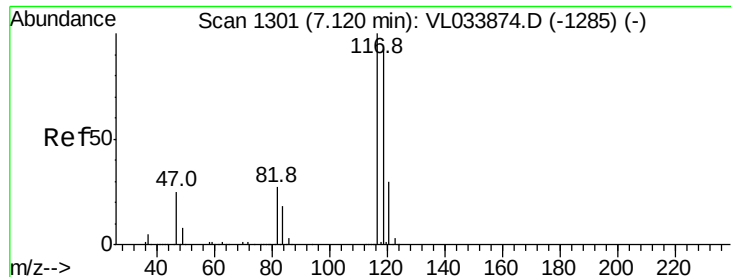
#34
 2-Butanone
 Concen: 10.774 ppbv
 RT: 5.31 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.9	26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.775 ppbv

RT: 7.11 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion:117 Resp: 1691790

Ion Ratio Lower Upper

117 100

119 95.4 74.6 111.8

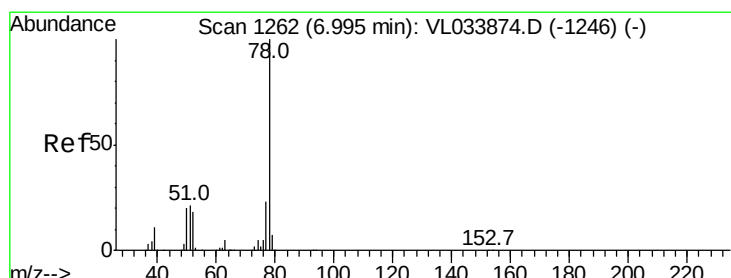
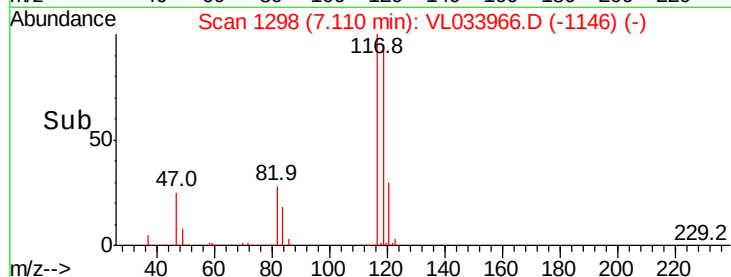
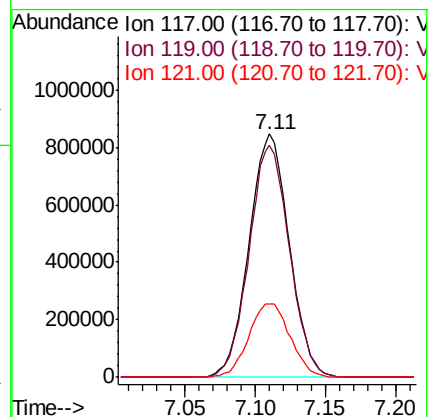
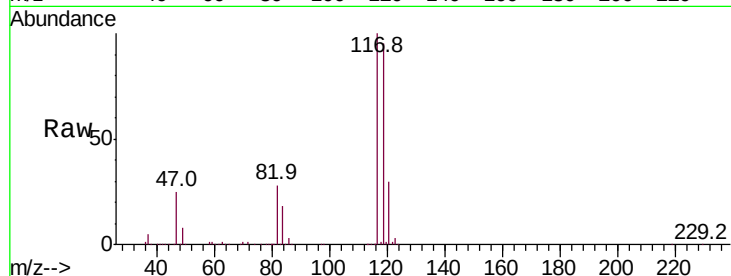
121 30.1 24.0 36.0

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#36

Benzene

Concen: 10.758 ppbv

RT: 6.98 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

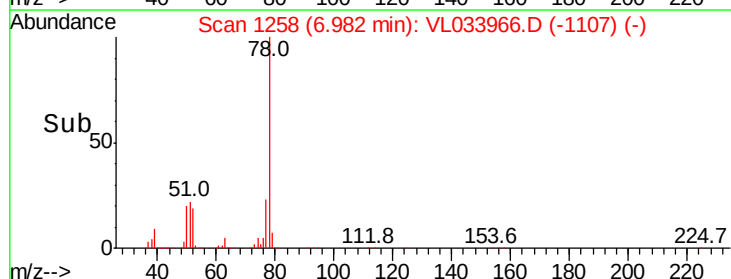
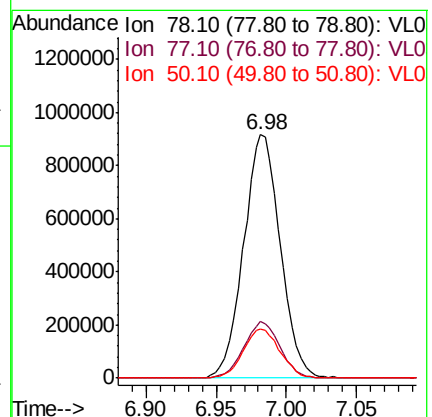
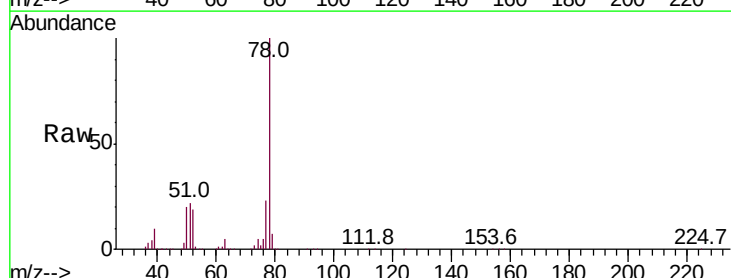
Tgt Ion: 78 Resp: 1670015

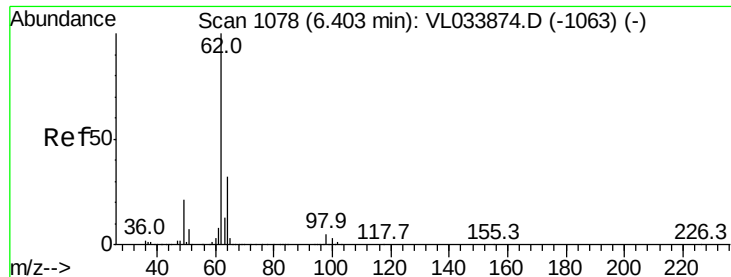
Ion Ratio Lower Upper

78 100

77 23.0 18.2 27.2

50 20.1 15.9 23.9





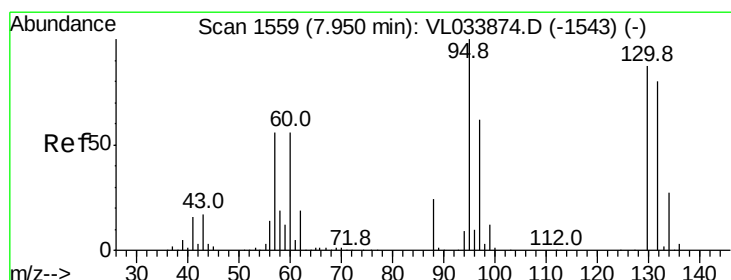
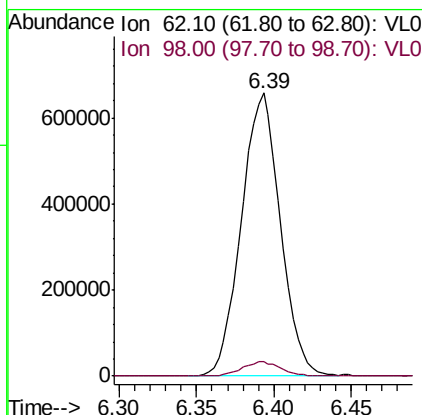
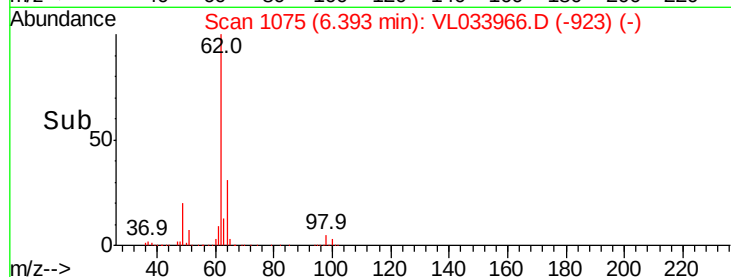
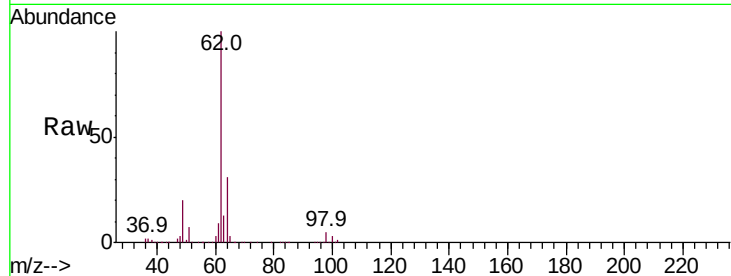
#37
 1,2-Dichloroethane
 Concen: 10.060 ppbv
 RT: 6.39 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tot Ion: 62 Resp: 1154888
 Ion Ratio Lower Upper
 62 100
 98 5.0 4.0 6.0

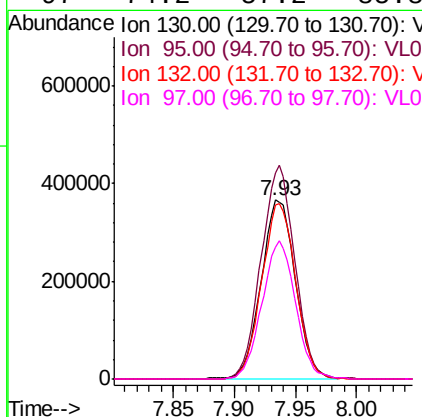
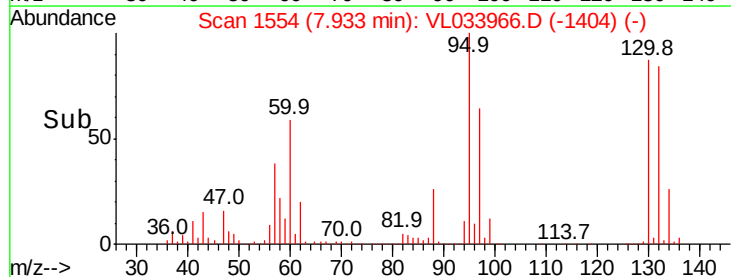
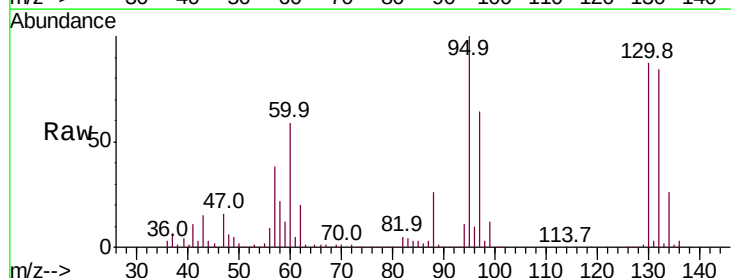
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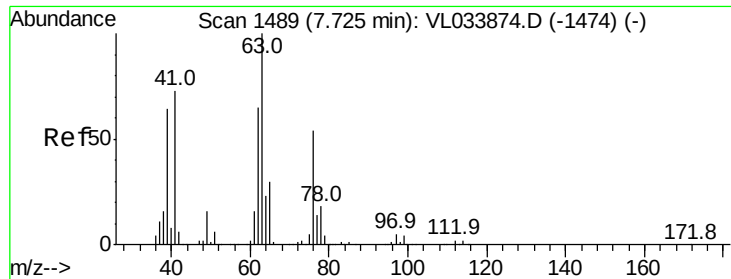
MMDadoda
 6/27/2019 3:00:48 PM



#38
 Trichloroethene
 Concen: 11.893 ppbv
 RT: 7.93 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion:130 Resp: 718821
 Ion Ratio Lower Upper
 130 100
 95 115.8 92.0 138.0
 132 97.6 73.8 110.8
 97 74.2 57.2 85.8





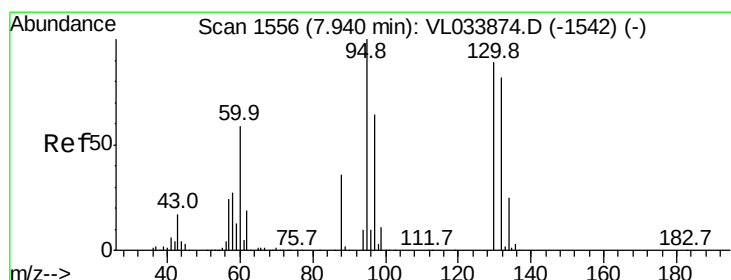
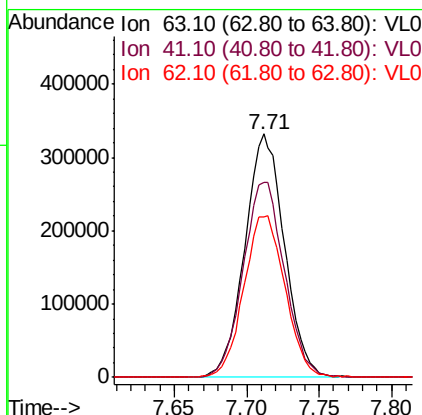
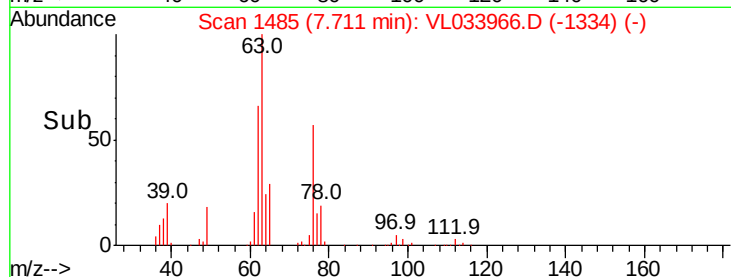
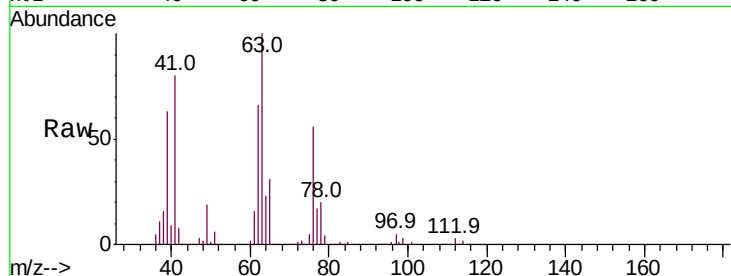
#39
 1,2-Dichloropropane
 Concen: 10.529 ppbv
 RT: 7.71 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	80.0	58.7	88.1
62	65.7	51.9	77.9

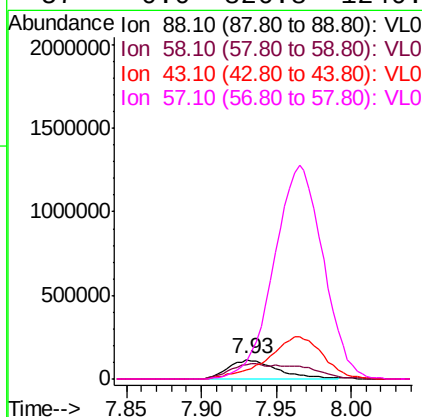
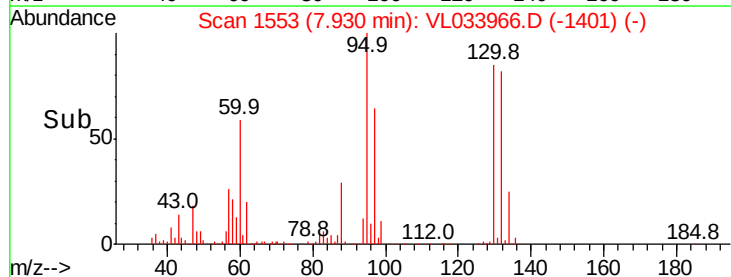
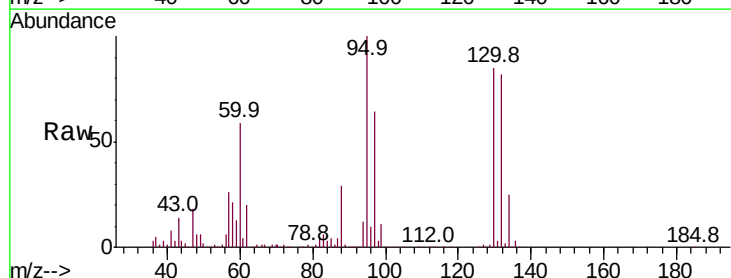
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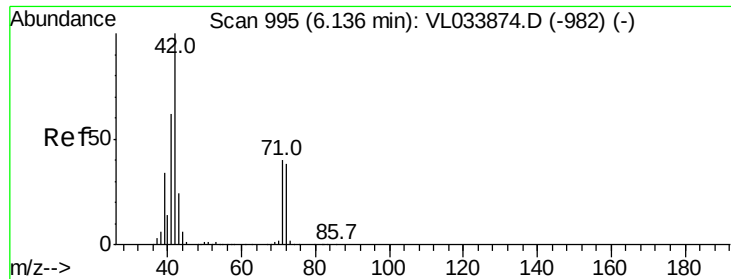
MMDadoda
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#40
 1,4-Dioxane
 Concen: 10.650 ppbv
 RT: 7.93 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	127.1	100.0	150.0
43	0.0	184.7	277.1#
57	0.0	826.8	1240.2#





#41

Tetrahydrofuran

Concen: 11.240 ppbv

RT: 6.12 min Scan# 991

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

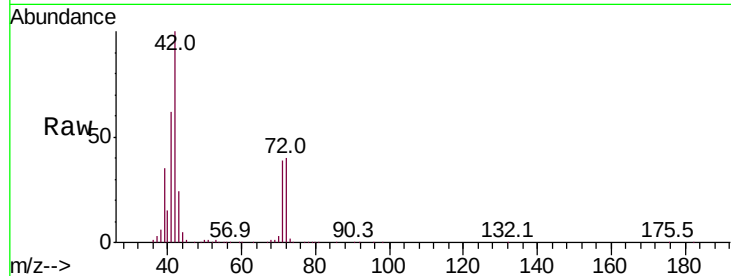
ClientSampleID :

VL0626ABS01

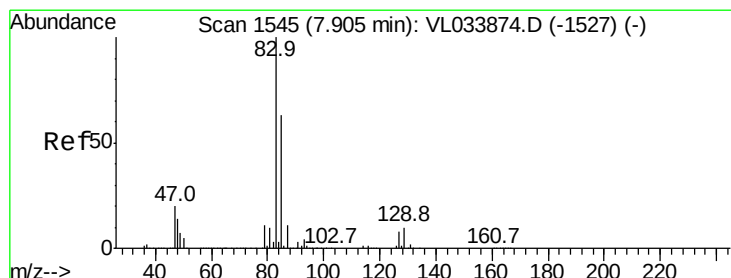
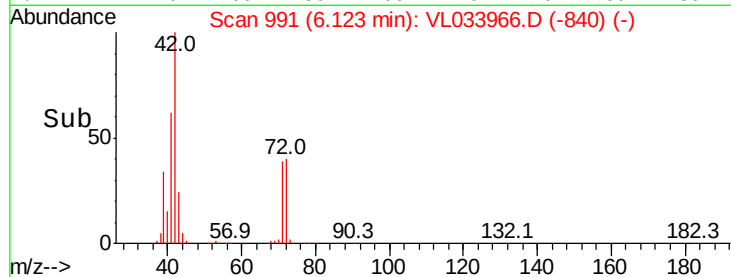
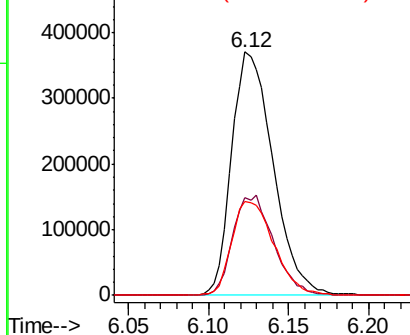
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.2	48.4
71	39.4	31.7	47.5

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Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.573 ppbv

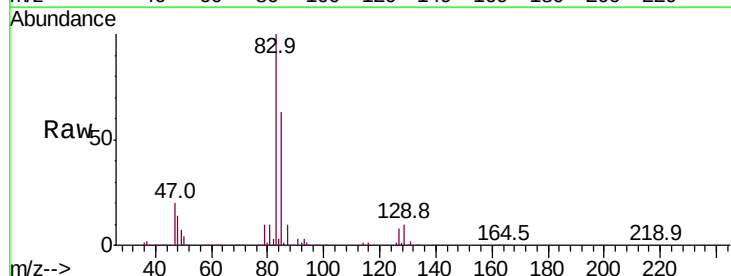
RT: 7.89 min Scan# 1541

Delta R.T. -0.01 min

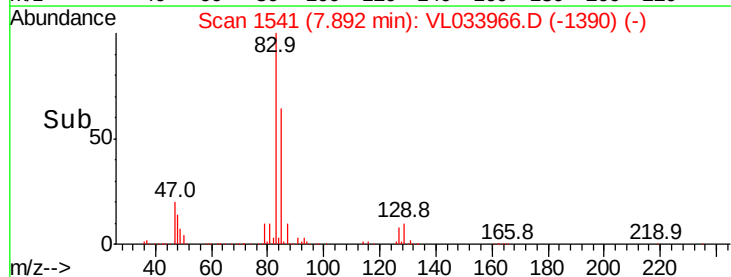
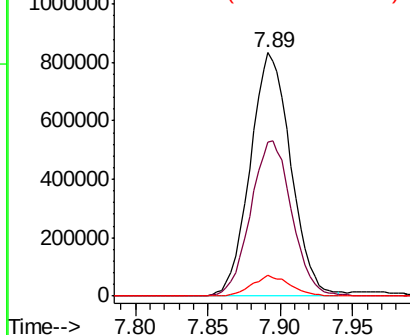
Lab File: VL033966.D

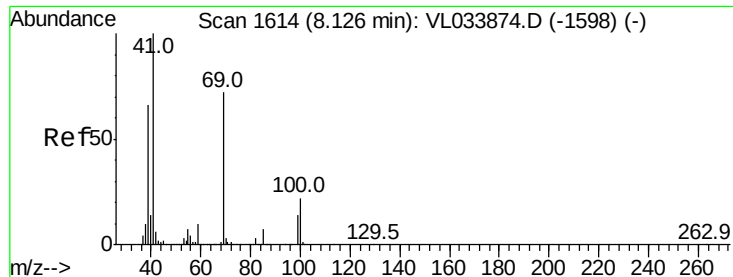
Acq: 26 Jun 2019 13:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.2	75.2
127	8.4	6.5	9.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





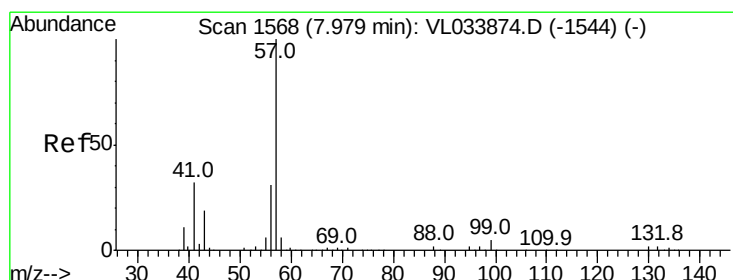
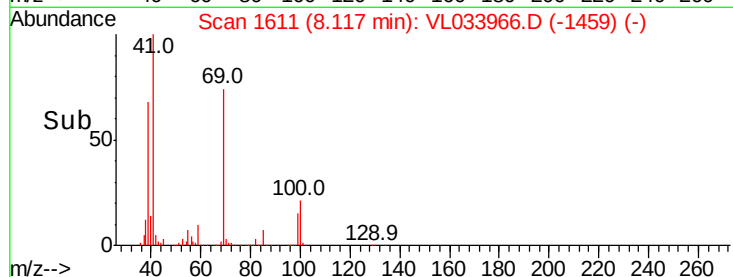
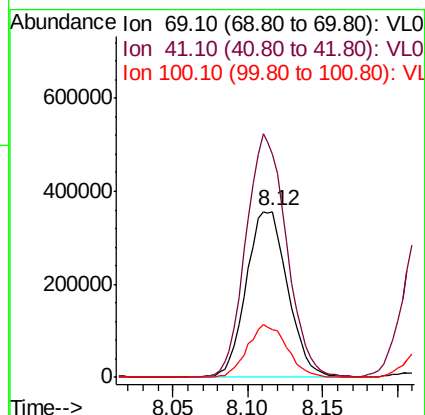
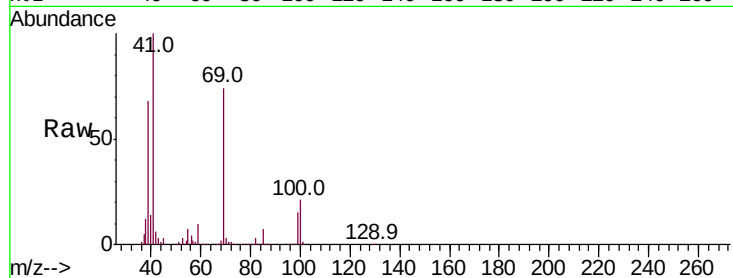
#43
Methyl Methacrylate
Concen: 11.817 ppbv
RT: 8.12 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Instrument :
MSVOA_L
ClientSampleId :
VL0626ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	144.4	114.3	171.5
100	30.5	24.8	37.2

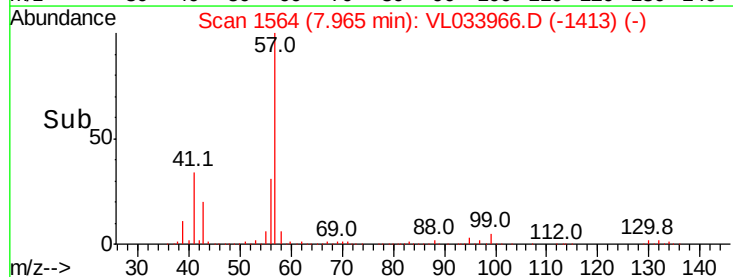
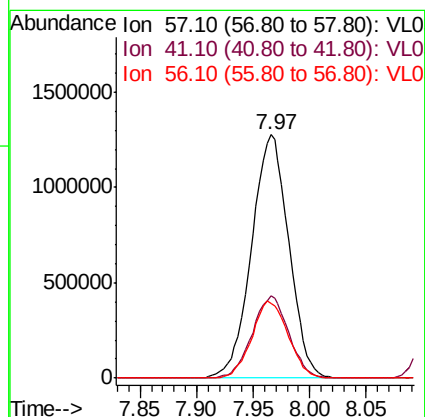
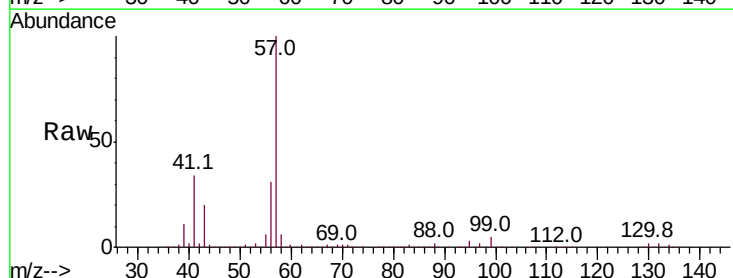
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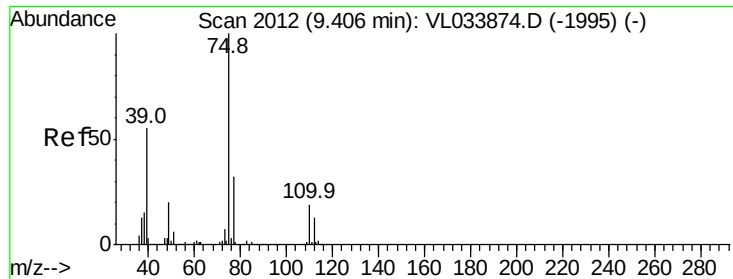
MMDadoda
6/27/2019 3:00:48 PM



#44
2,2,4-Trimethylpentane
Concen: 10.578 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.1	39.1
56	31.0	24.6	36.8





#45

t-1,3-Dichloropropene

Concen: 11.416 ppbv

RT: 9.39 min Scan# 2007

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion: 75 Resp: 869649

Ion Ratio Lower Upper

75 100

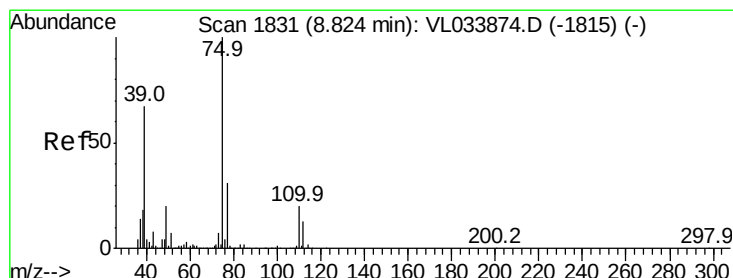
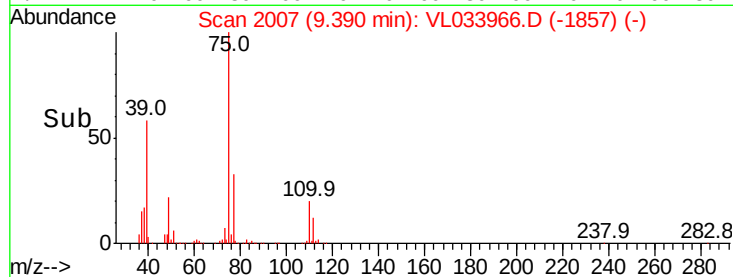
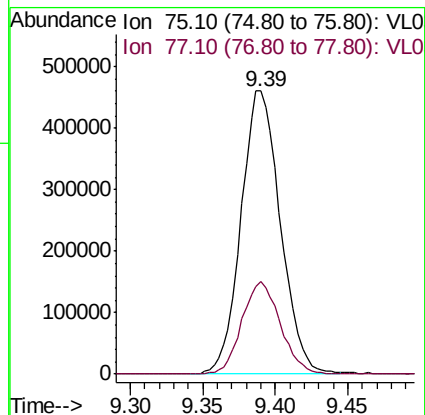
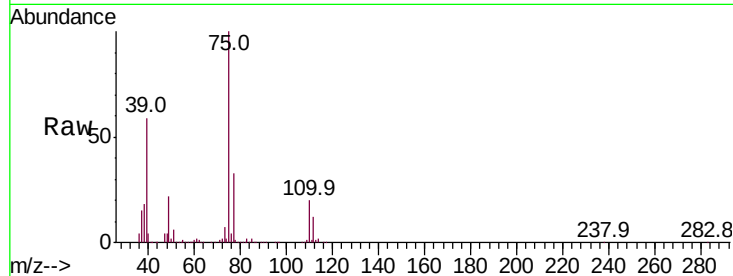
77 32.7 25.4 38.2

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#46

cis-1,3-Dichloropropene

Concen: 11.503 ppbv

RT: 8.81 min Scan# 1827

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

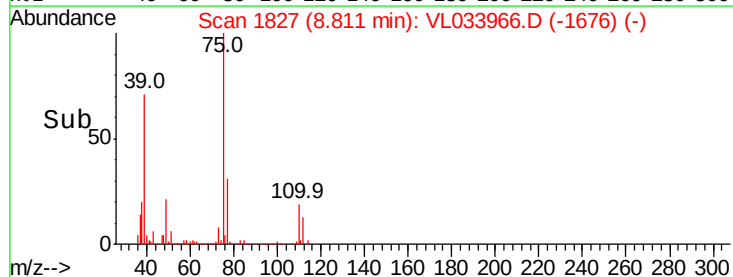
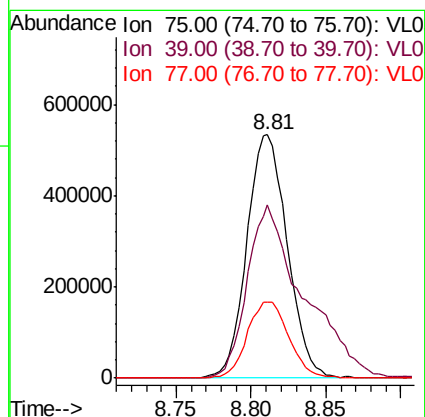
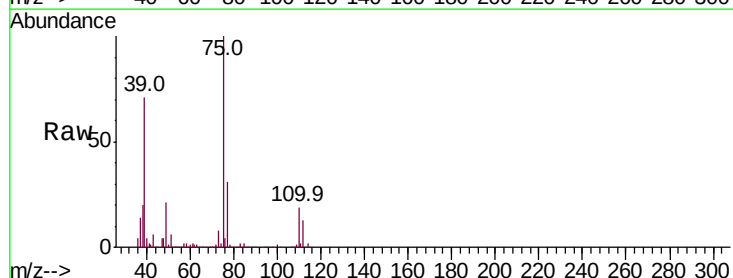
Tgt Ion: 75 Resp: 1003935

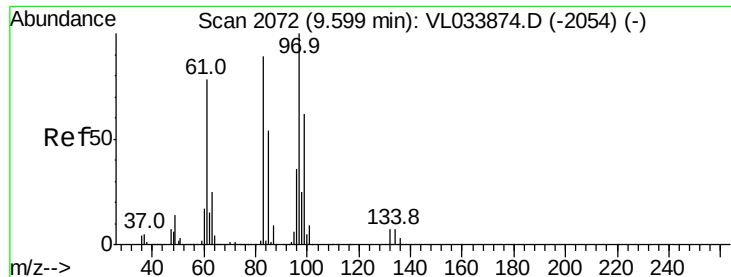
Ion Ratio Lower Upper

75 100

39 71.2 53.8 80.8

77 31.0 24.6 36.8





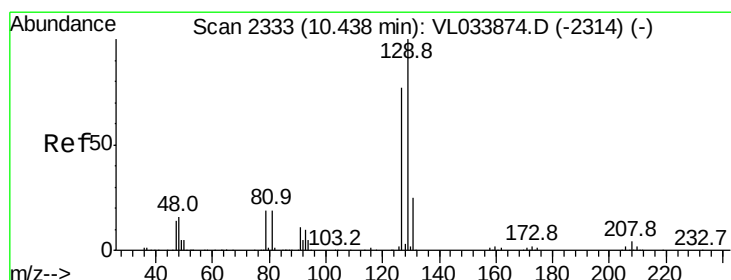
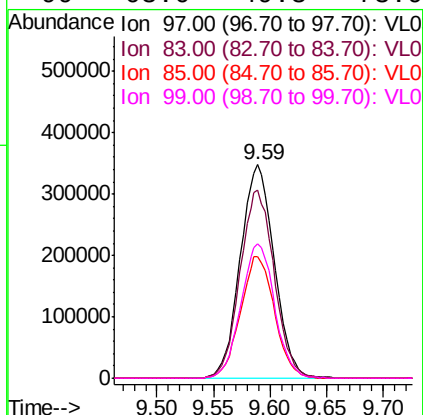
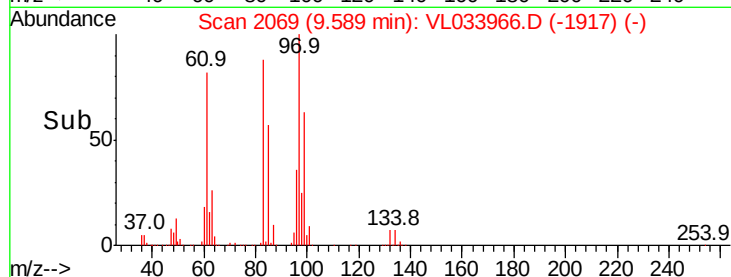
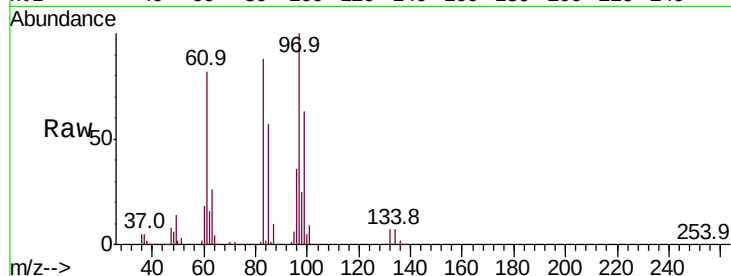
#47
 1,1,2-Trichloroethane
 Concen: 10.170 ppbv
 RT: 9.59 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tot Ion	97	Resp	726372
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.9	106.3
85	56.8	43.0	64.6
99	63.0	49.3	73.9

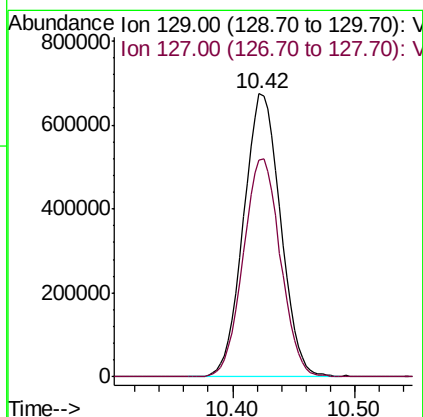
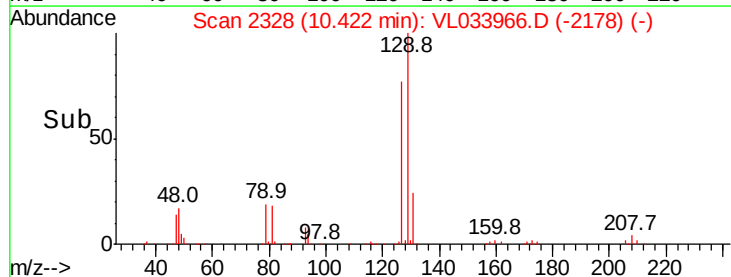
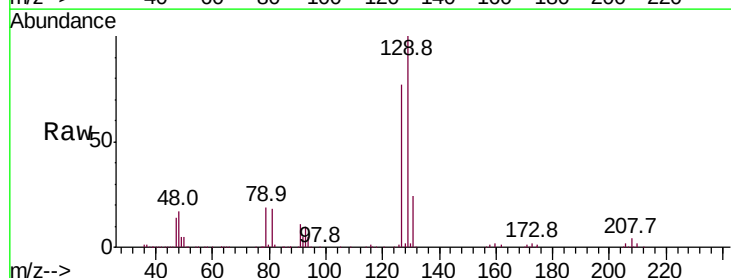
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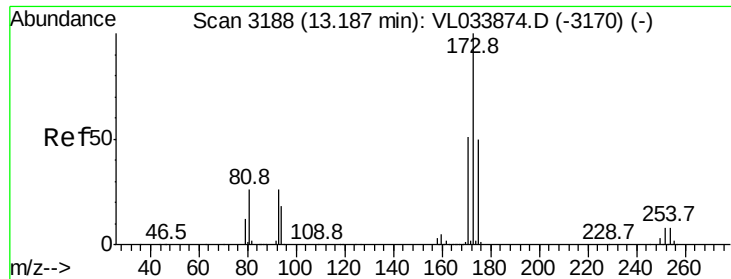
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.981 ppbv
 RT: 10.42 min Scan# 2328
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion	129	Resp	1409391
Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.7





#49

Bromoform

Concen: 10.995 ppbv

RT: 13.17 min Scan# 3184

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion:173 Resp: 1245807

Ion Ratio Lower Upper

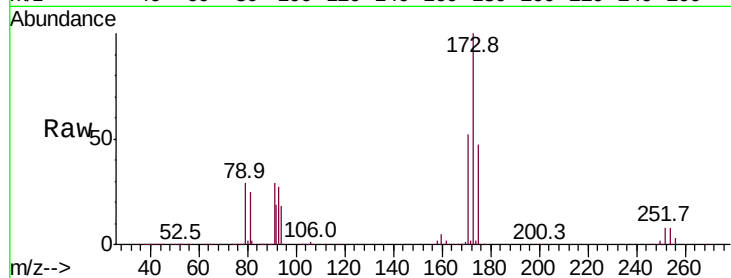
173 100

175 48.9 39.6 59.4

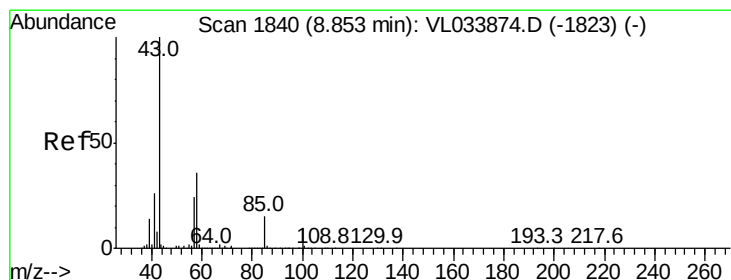
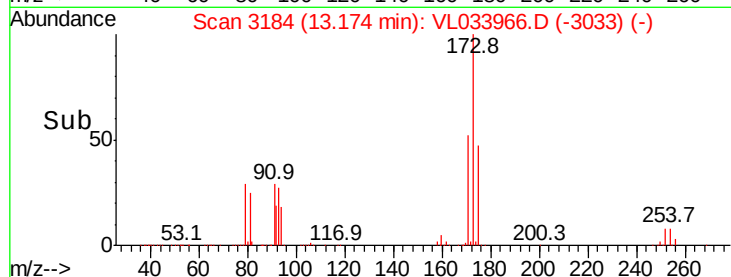
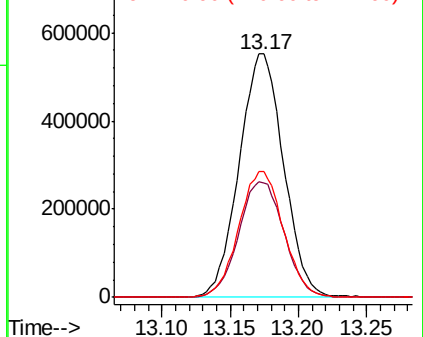
171 52.0 41.8 62.8

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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: 10.883 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VL033966.D

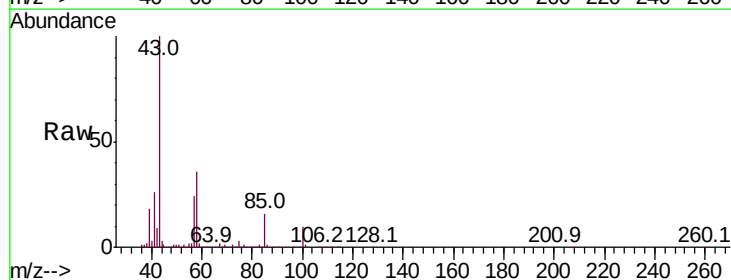
Acq: 26 Jun 2019 13:58

Tgt Ion: 43 Resp: 1860380

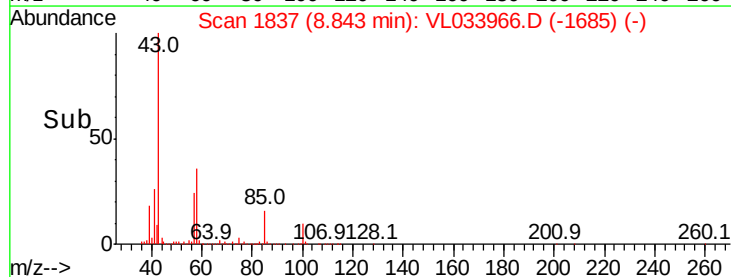
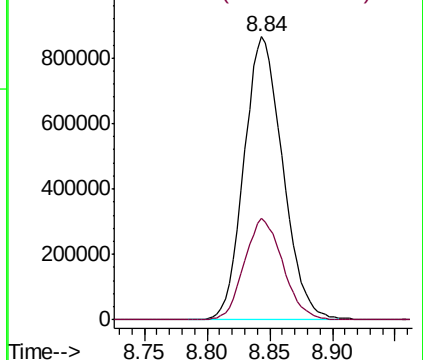
Ion Ratio Lower Upper

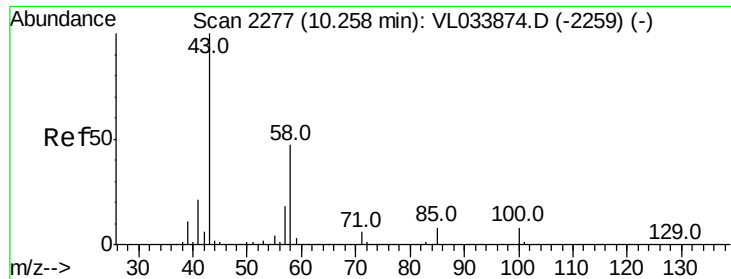
43 100

58 35.7 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: 11.508 ppbv

RT: 10.25 min Scan# 2273

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion: 43 Resp: 1536324

Ion Ratio Lower Upper

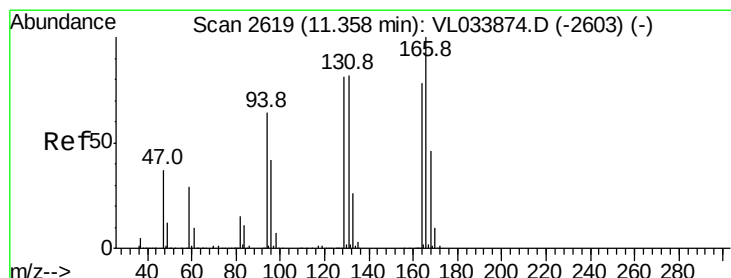
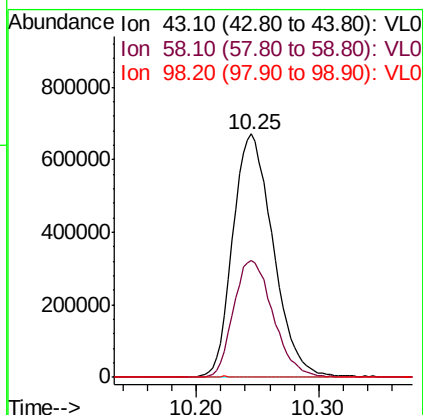
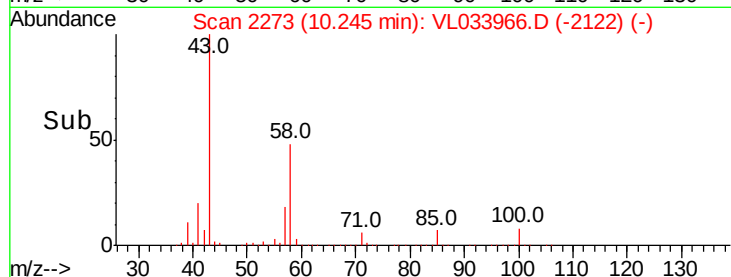
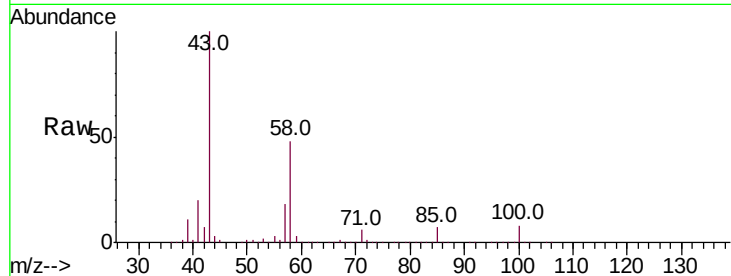
43 100

58 47.4 38.2 57.4

98 0.5 0.2 0.2#

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#52

Tetrachloroethene

Concen: 12.174 ppbv

RT: 11.34 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion: 164 Resp: 664938

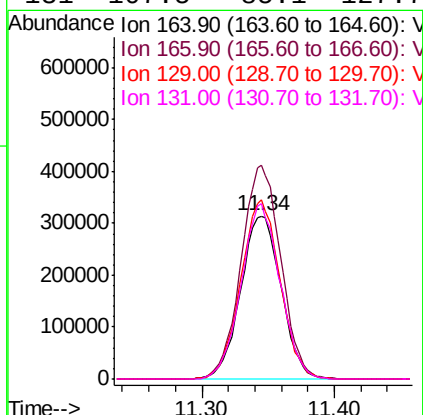
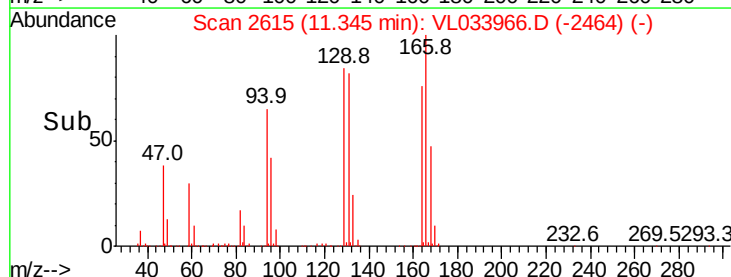
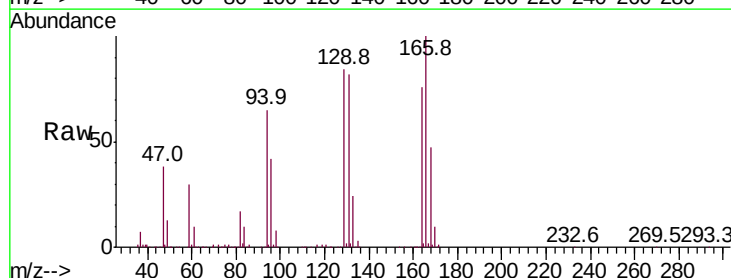
Ion Ratio Lower Upper

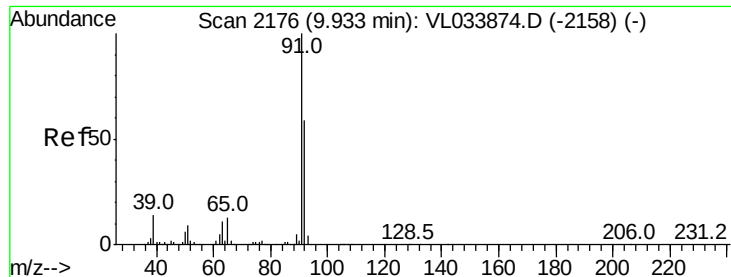
164 100

166 131.2 103.1 154.7

129 110.4 83.9 125.9

131 107.5 85.1 127.7





#53

Toluene

Concen: 11.660 ppbv

RT: 9.92 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion: 91 Resp: 2003038

Ion Ratio Lower Upper

91 100

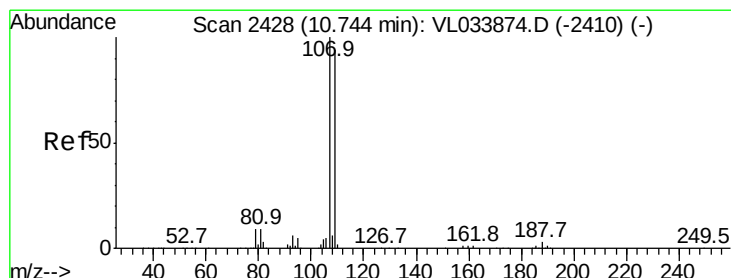
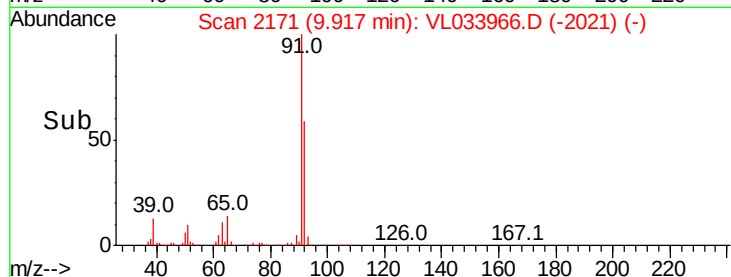
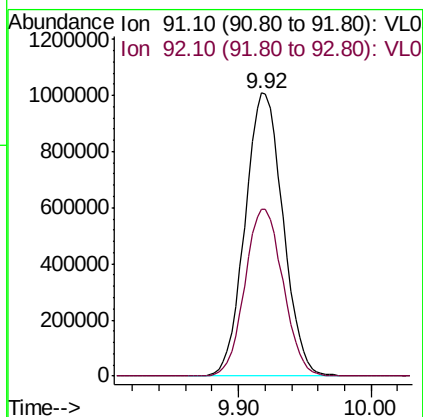
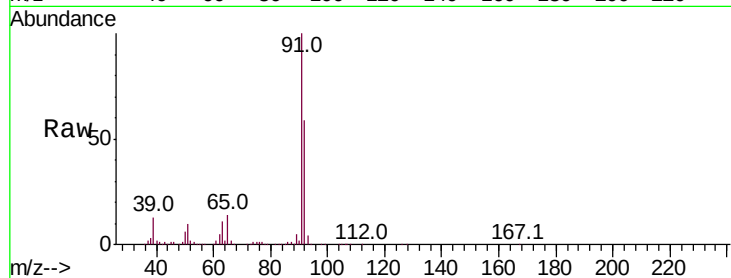
92 59.4 47.0 70.6

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#54

1,2-Dibromoethane

Concen: 10.836 ppbv

RT: 10.73 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL033966.D

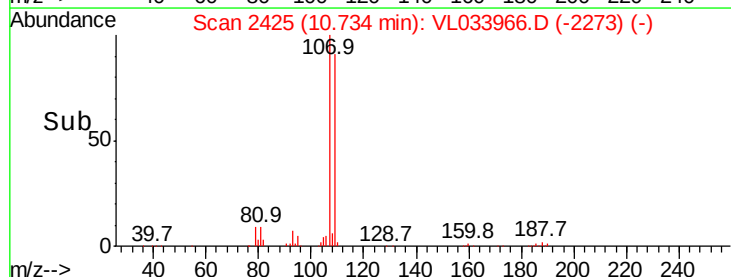
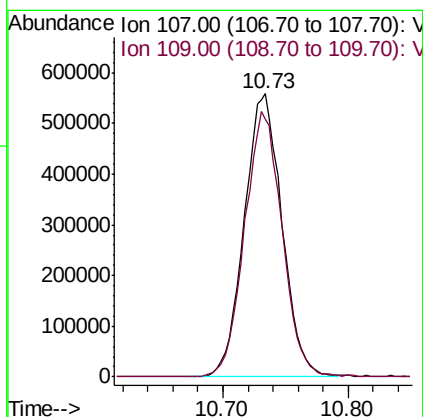
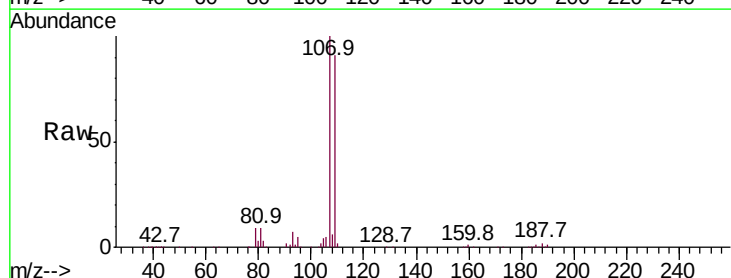
Acq: 26 Jun 2019 13:58

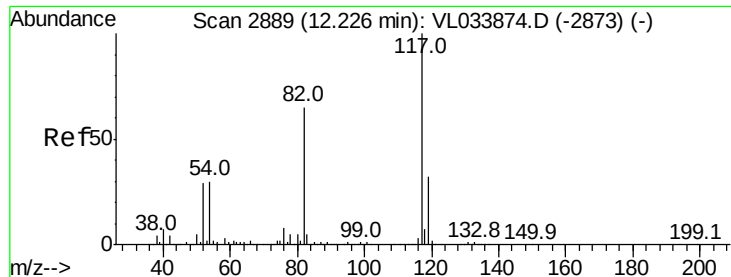
Tgt Ion: 107 Resp: 1166641

Ion Ratio Lower Upper

107 100

109 91.3 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.21 min Scan# 2884

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion:117 Resp: 2241353

Ion Ratio Lower Upper

117 100

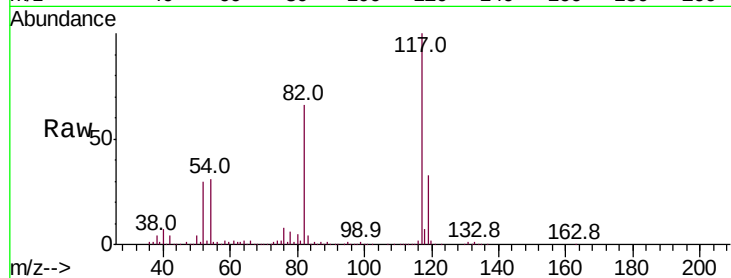
82 62.8 50.2 75.2

119 29.5 24.8 37.2

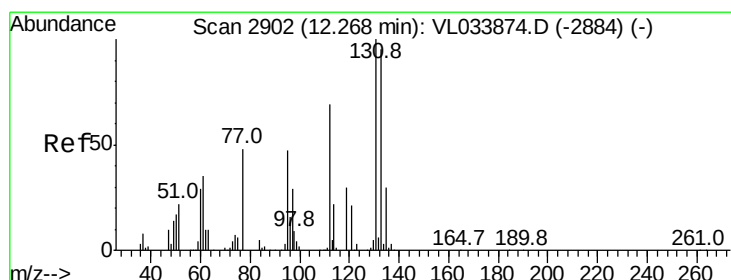
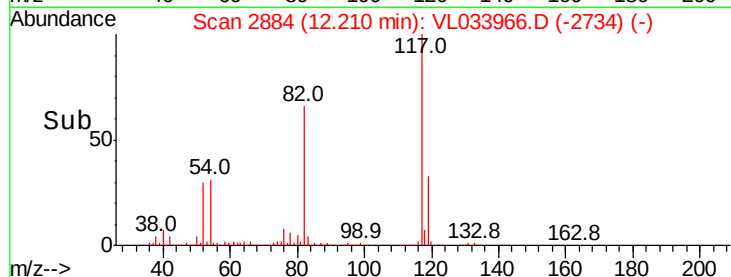
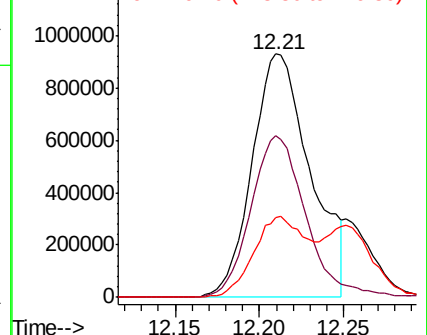
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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.827 ppbv

RT: 12.25 min Scan# 2897

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

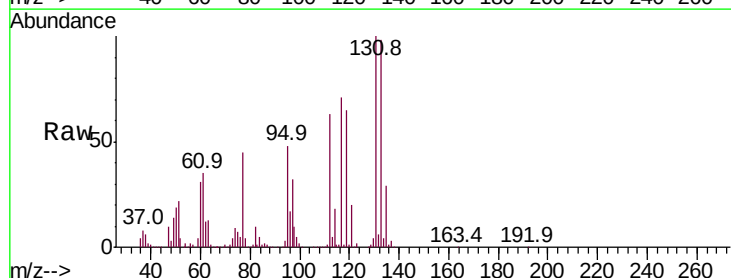
Tgt Ion:131 Resp: 962160

Ion Ratio Lower Upper

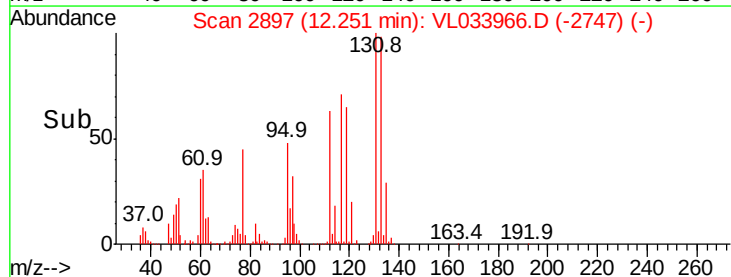
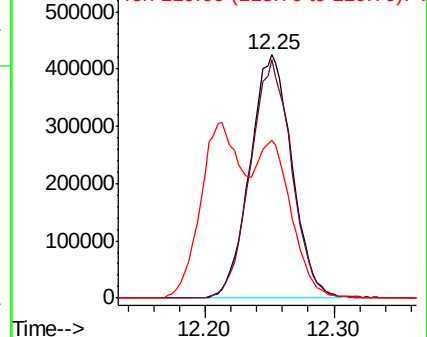
131 100

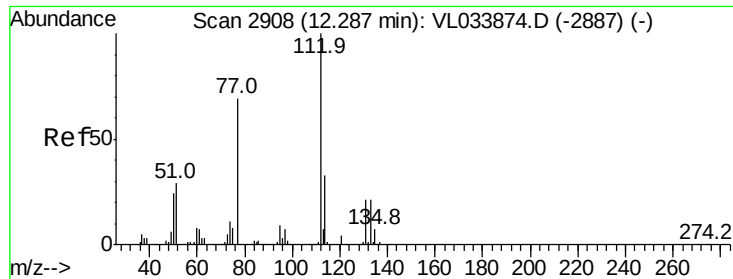
133 96.8 76.5 114.7

119 54.7 42.6 64.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.507 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

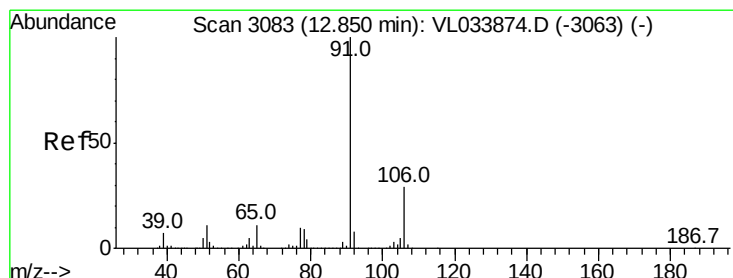
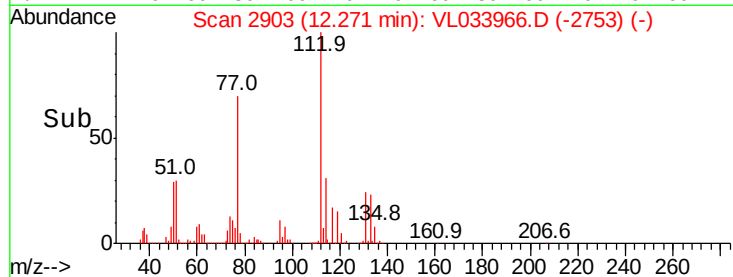
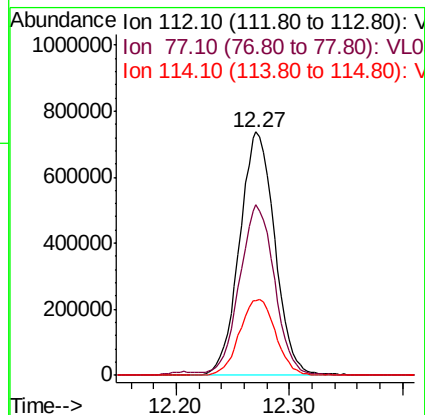
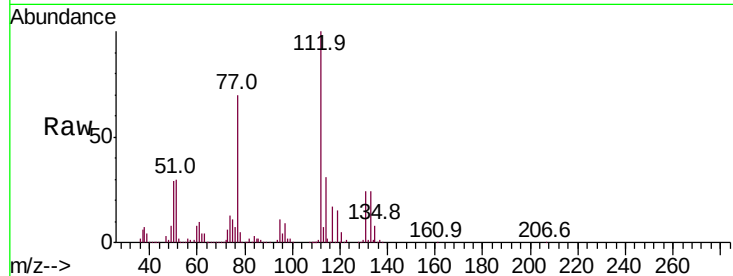
ClientSampleId :

VL0626ABS01

Tot Ion:	112	Resp:	1595889
Ion	Ratio	Lower	Upper
112	100		
77	69.9	55.8	83.6
114	30.6	29.8	36.4

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#58

Ethyl Benzene

Concen: 11.006 ppbv

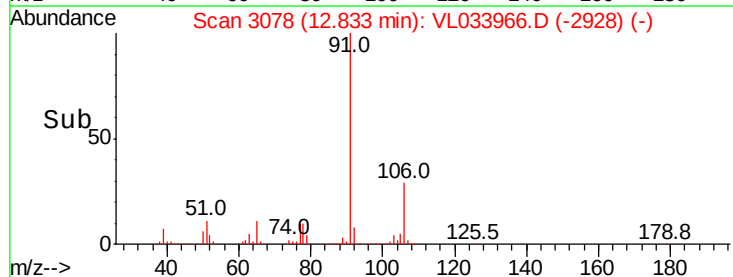
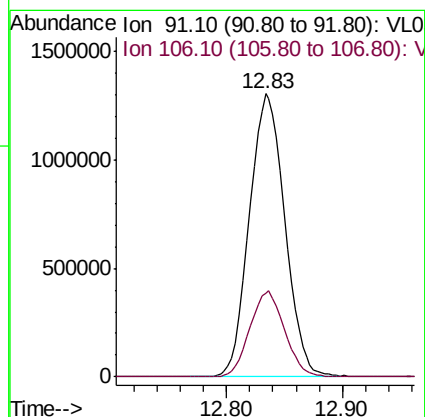
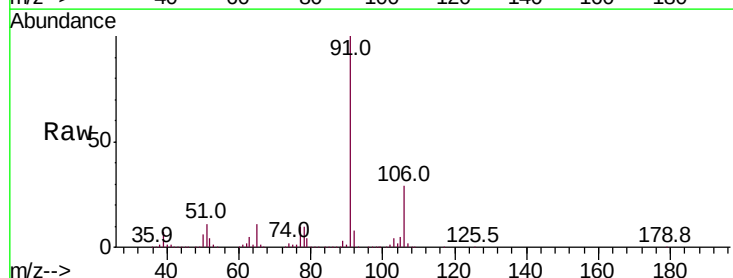
RT: 12.83 min Scan# 3078

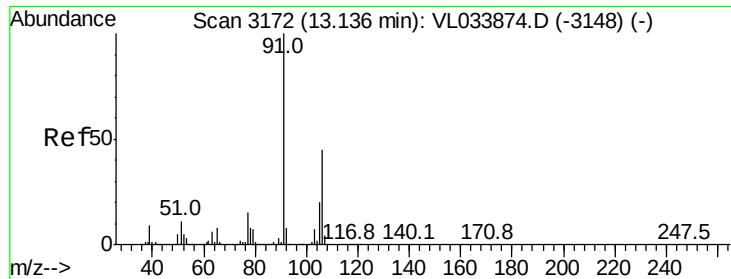
Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion:	91	Resp:	2781188
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.0	34.6





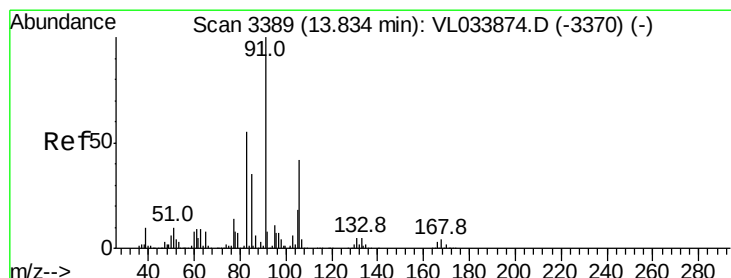
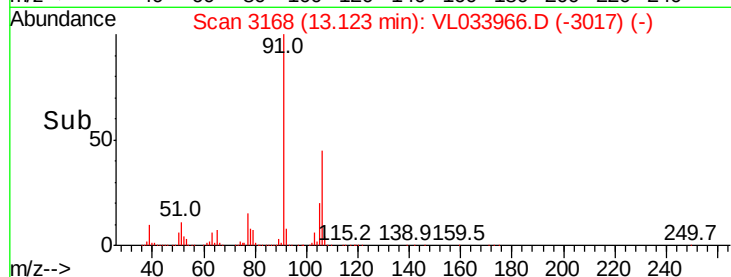
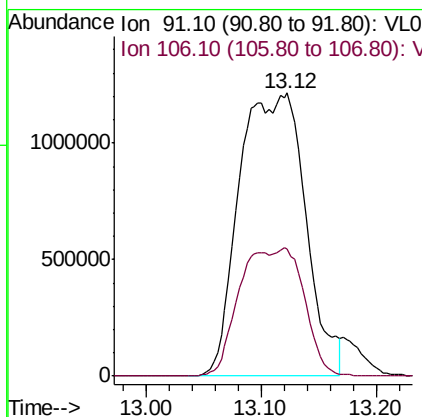
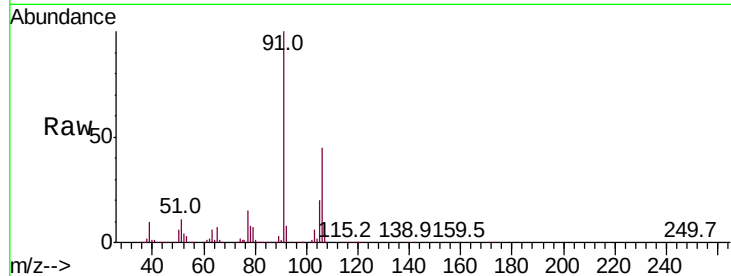
#59
m/p-Xylene
Concen: 21.117 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Instrument :
MSVOA_L
ClientSampleId :
VL0626ABS01

Tot Ion: 91 Resp: 4852566
Ion Ratio Lower Upper
91 100
106 44.2 35.8 53.8

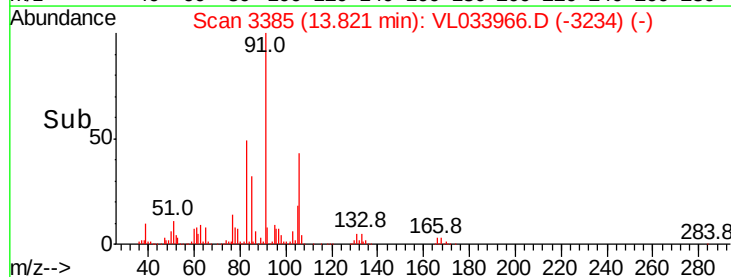
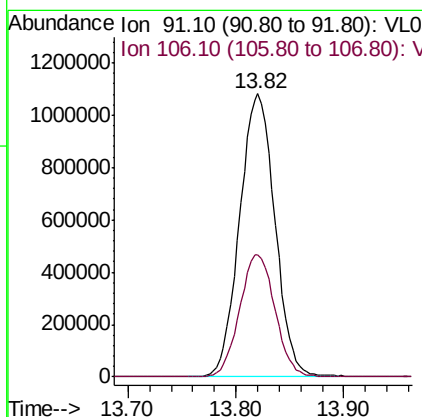
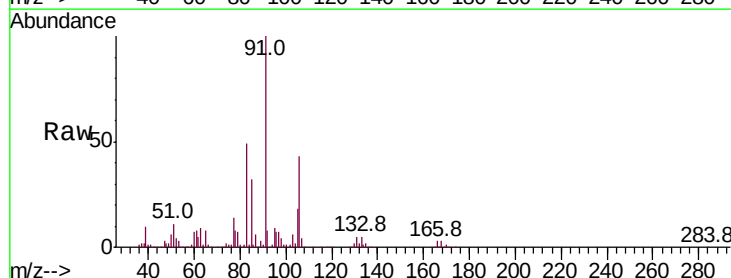
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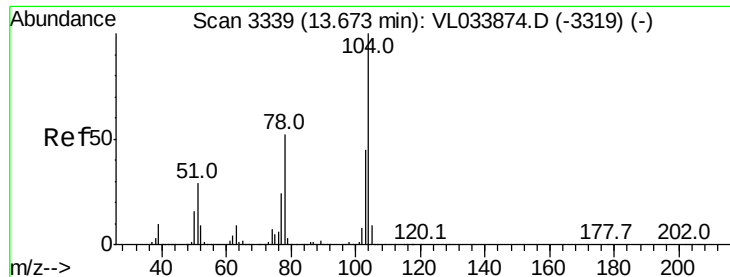
MMDadoda
6/27/2019 3:00:48 PM



#60
o-Xylene
Concen: 10.375 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Tgt Ion: 91 Resp: 2461549
Ion Ratio Lower Upper
91 100
106 43.5 21.7 65.1





#61

Stvrene

Concen: 10.954 ppbv

RT: 13.65 min Scan# 3333

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion:104 Resp: 1681853

Ion Ratio Lower Upper

104 100

78 55.1 43.4 65.0

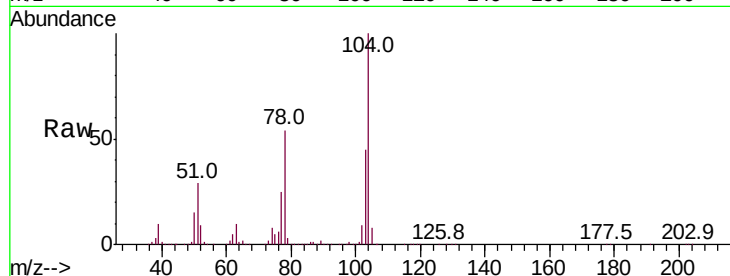
103 47.3 37.6 56.4

Manual Integrations

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MMDadoda

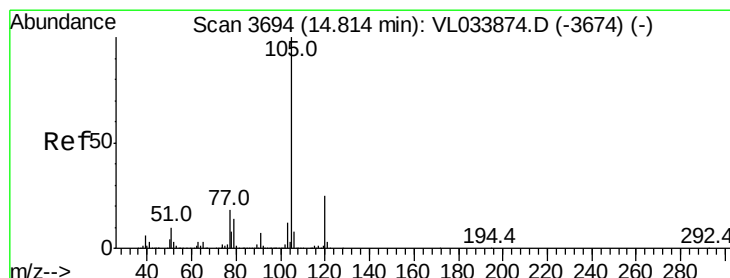
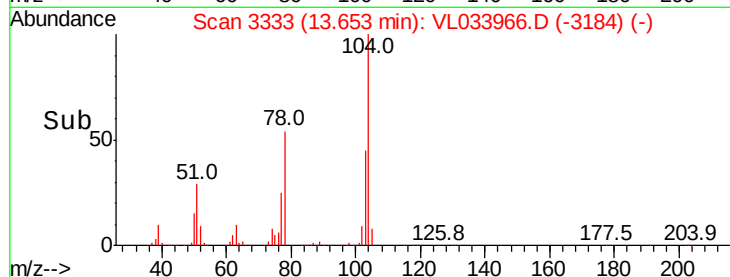
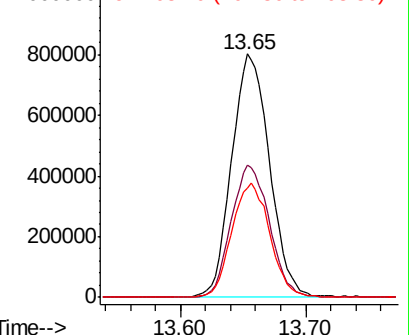
6/27/2019 3:00:48 PM



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: 10.387 ppbv

RT: 14.80 min Scan# 3689

Delta R.T. -0.02 min

Lab File: VL033966.D

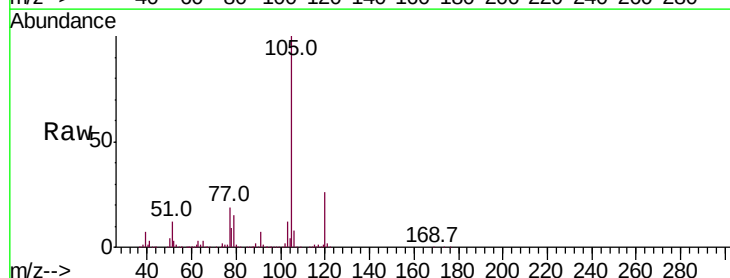
Acq: 26 Jun 2019 13:58

Tgt Ion:105 Resp: 3321489

Ion Ratio Lower Upper

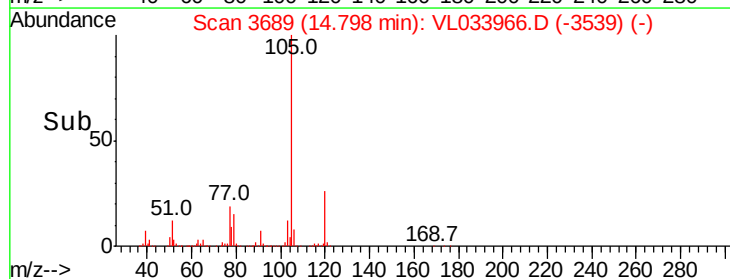
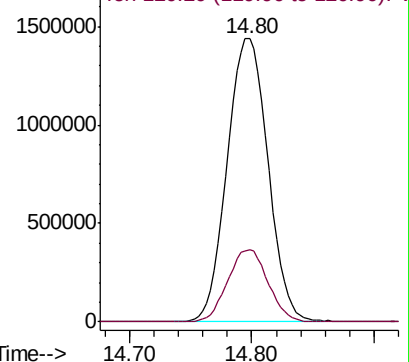
105 100

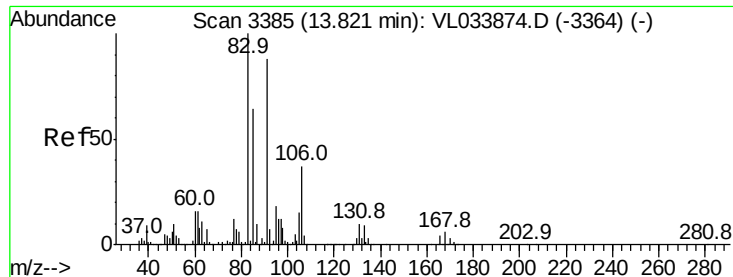
120 25.3 20.3 30.5



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: 9.751 ppbv

RT: 13.81 min Scan# 3382

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleID :

VL0626ABS01

Tot Ion: 83 Resp: 1741476

Ion Ratio Lower Upper

83 100

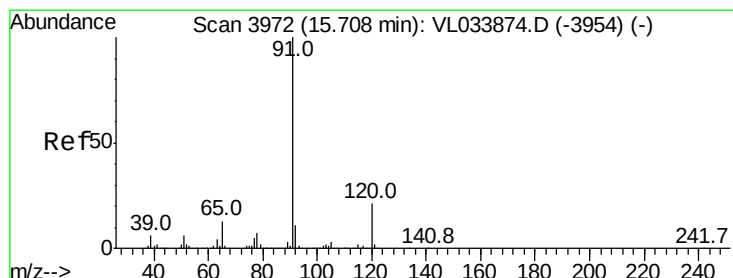
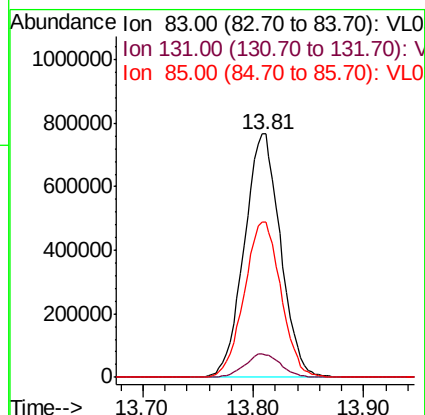
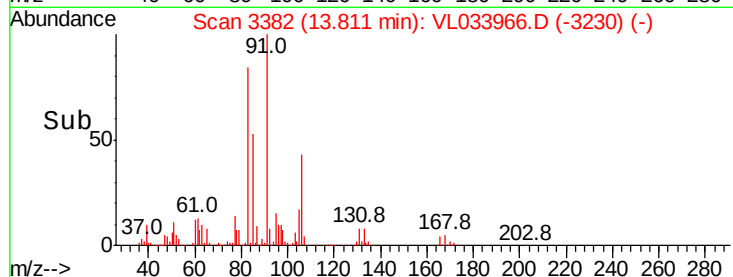
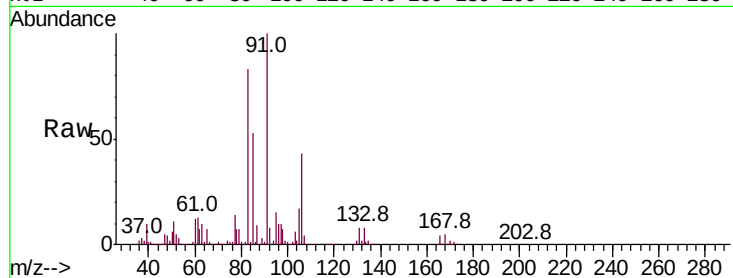
131 9.6 4.8 14.4

85 64.8 32.1 96.3

Manual Integrations
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#64

n-propylbenzene

Concen: 10.753 ppbv

RT: 15.69 min Scan# 3967

Delta R.T. -0.02 min

Lab File: VL033966.D

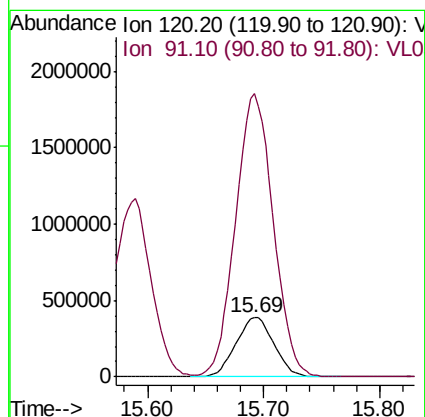
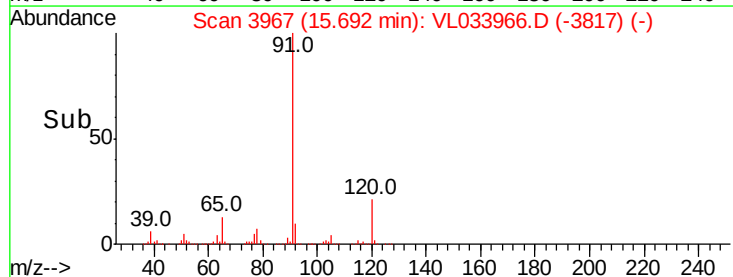
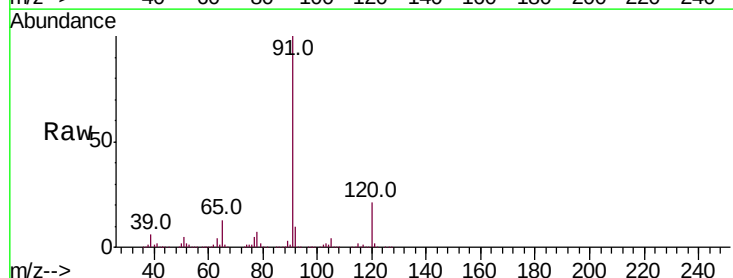
Acq: 26 Jun 2019 13:58

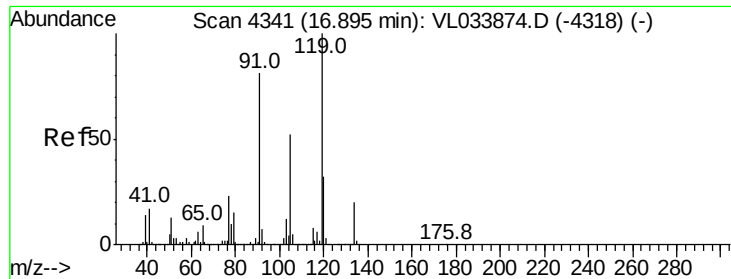
Tgt Ion:120 Resp: 880594

Ion Ratio Lower Upper

120 100

91 477.5 387.0 580.6





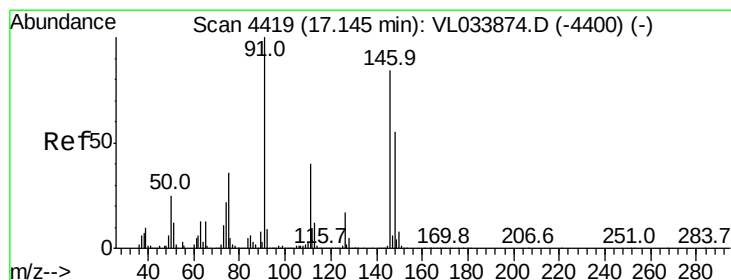
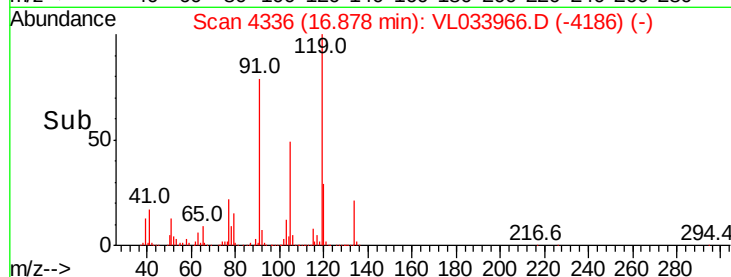
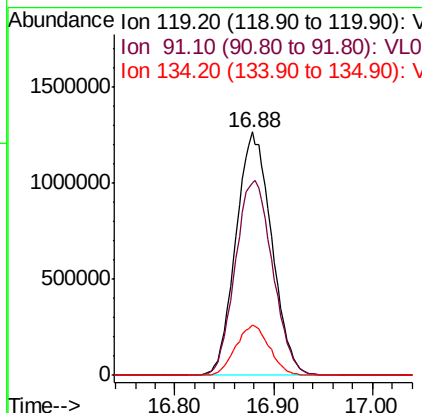
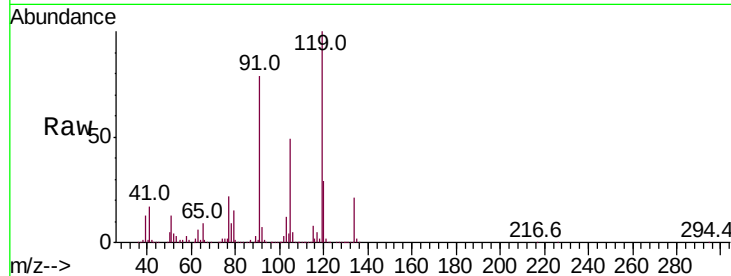
#65
 tert-Butylbenzene
 Concen: 10.719 ppbv
 RT: 16.88 min Scan# 4336
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tot Ion:119 Resp: 3171693
 Ion Ratio Lower Upper
 119 100
 91 83.8 66.6 100.0
 134 19.5 15.5 23.3

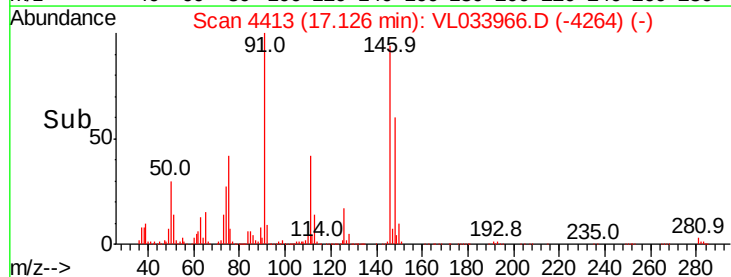
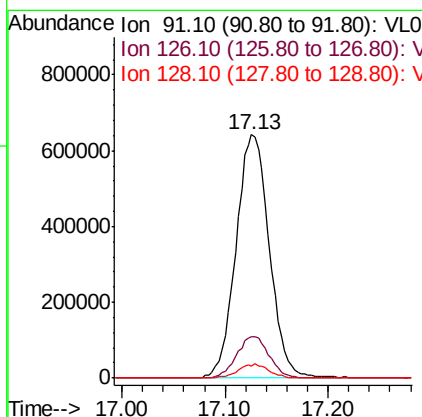
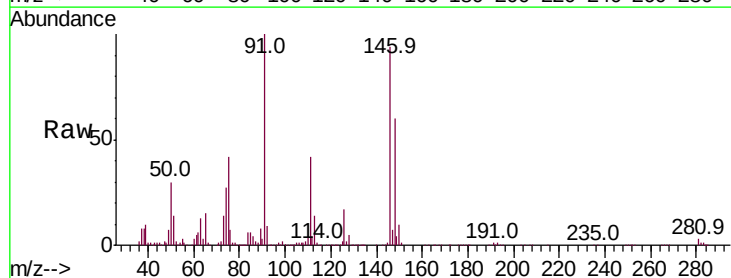
Manual Integrations
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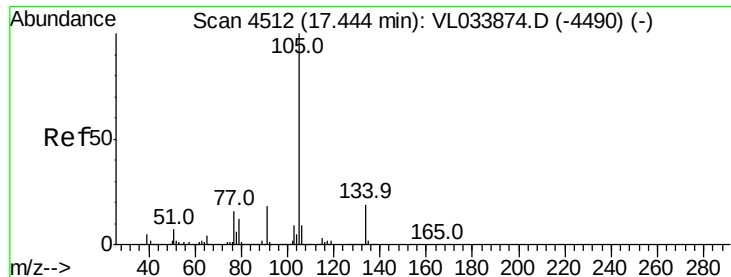
MMDadoda
 6/27/2019 3:00:48 PM



#66
 Benzyl Chloride
 Concen: 9.588 ppbv
 RT: 17.13 min Scan# 4413
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 91 Resp: 1437666
 Ion Ratio Lower Upper
 91 100
 126 16.8 13.8 20.6
 128 5.4 4.4 6.6





#67

sec-Butylbenzene

Concen: 10.610 ppbv

RT: 17.43 min Scan# 4507

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion:105 Resp: 4404230

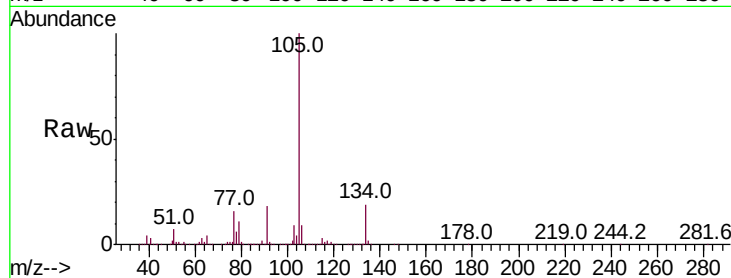
Ion Ratio Lower Upper

105 100

134 18.1 14.6 22.0

Manual Integrations
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MMDadoda
6/27/2019 3:00:48 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.43

2000000

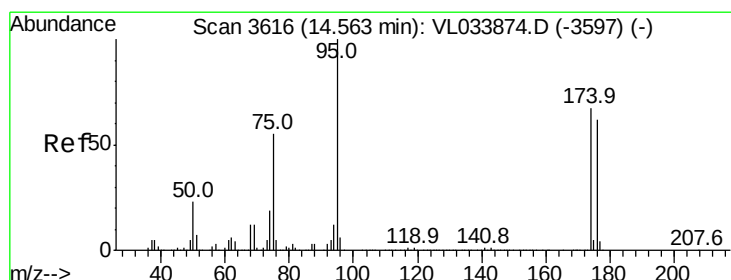
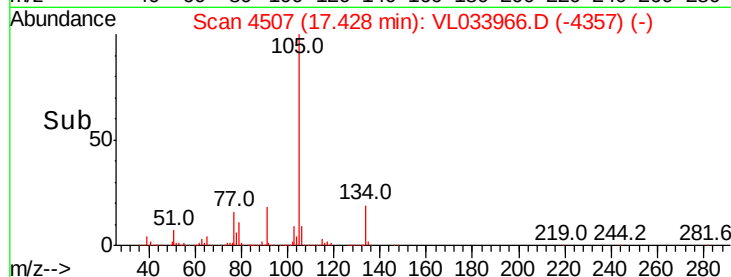
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.578 ppbv

RT: 14.55 min Scan# 3611

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

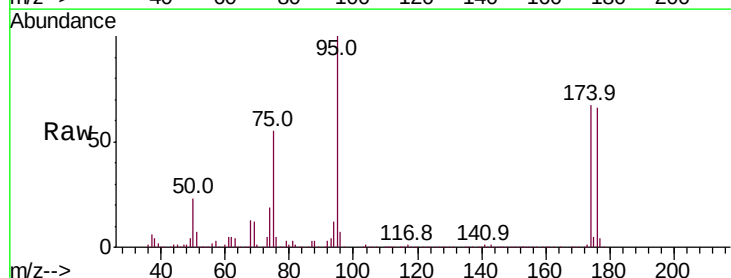
Tgt Ion: 95 Resp: 1763413

Ion Ratio Lower Upper

95 100

174 66.5 54.0 81.0

175 4.7 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

1000000

800000

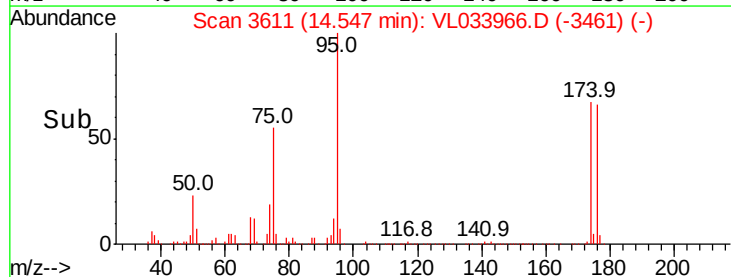
600000

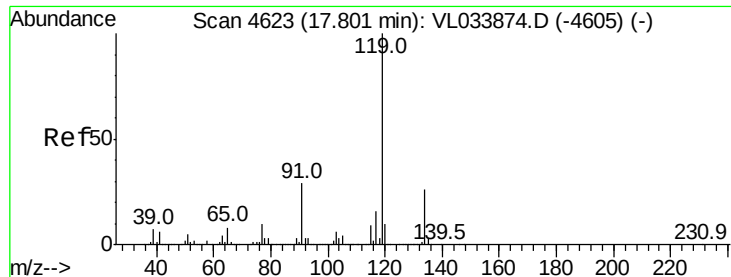
400000

200000

0

Time-->





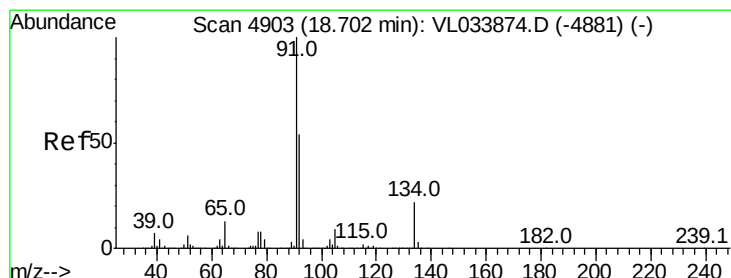
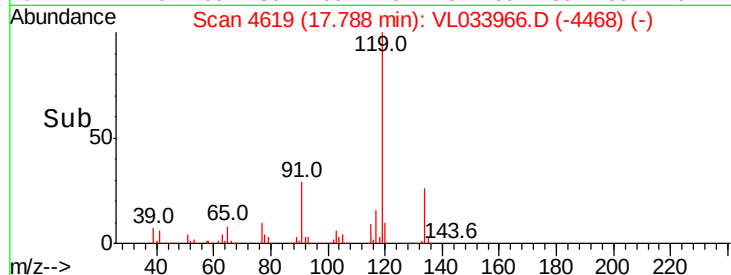
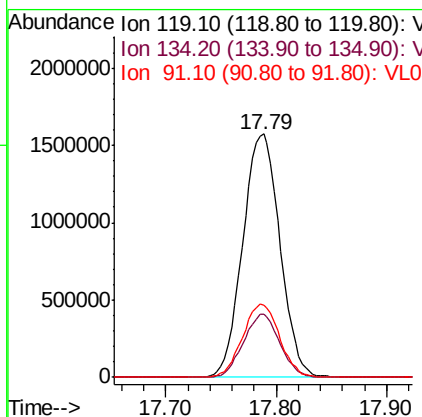
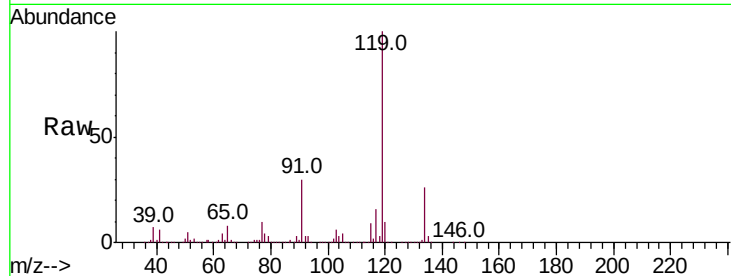
#69
 p-Isopropyltoluene
 Concen: 10.635 ppbv
 RT: 17.79 min Scan# 4619
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	30.0	23.8	35.6

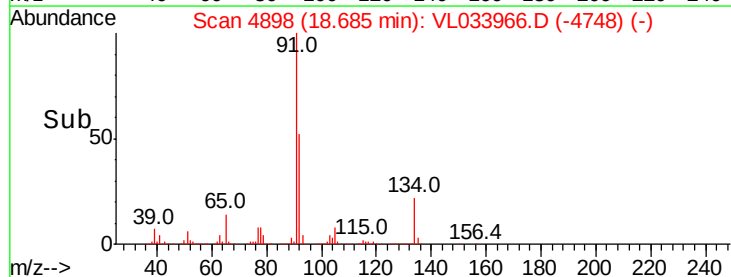
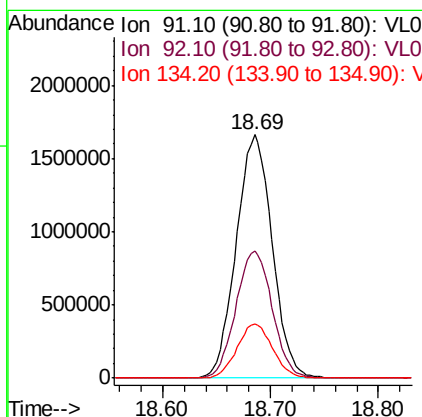
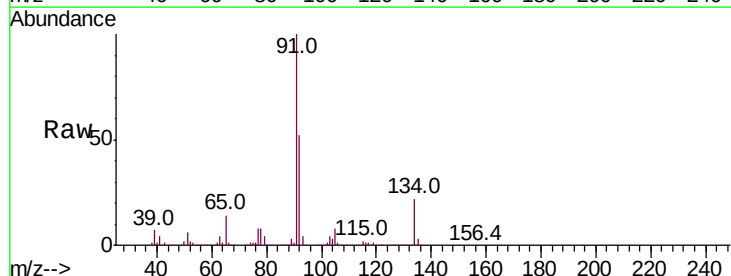
Manual Integrations
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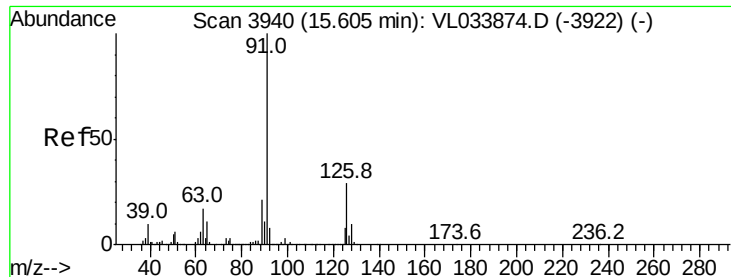
MMDadoda
 6/27/2019 3:00:48 PM



#70
 n-Butylbenzene
 Concen: 10.170 ppbv
 RT: 18.69 min Scan# 4898
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.5	63.7
134	22.0	17.8	26.6





#71

2-Chlorotoluene

Concen: 10.950 ppbv

RT: 15.59 min Scan# 3935

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tot Ion: 91 Resp: 2579641

Ion Ratio Lower Upper

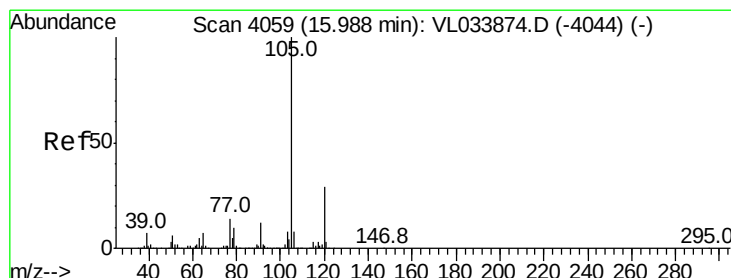
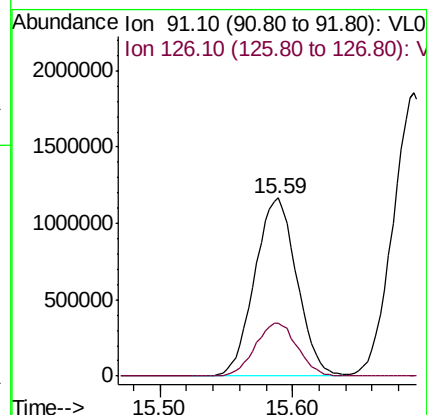
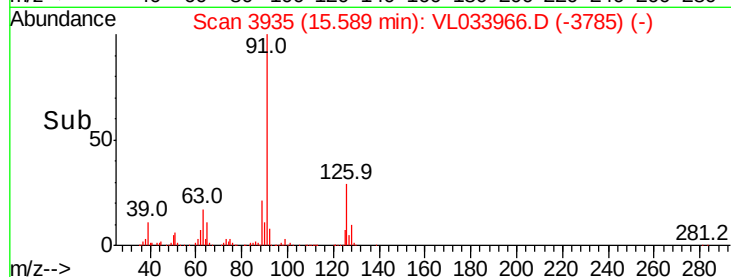
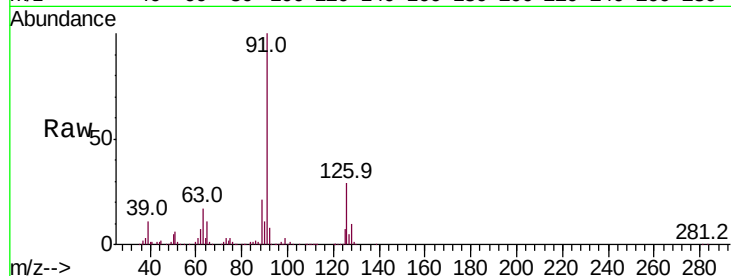
91 100

126 29.8 12.0 48.2

Manual Integrations
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6/27/2019 3:00:48 PM



#72

4-Ethyltoluene

Concen: 10.905 ppbv

RT: 15.97 min Scan# 4054

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion:105 Resp: 2944328

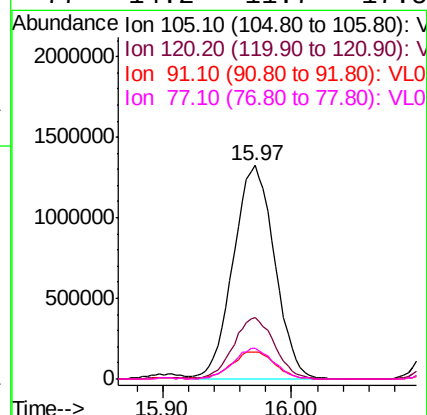
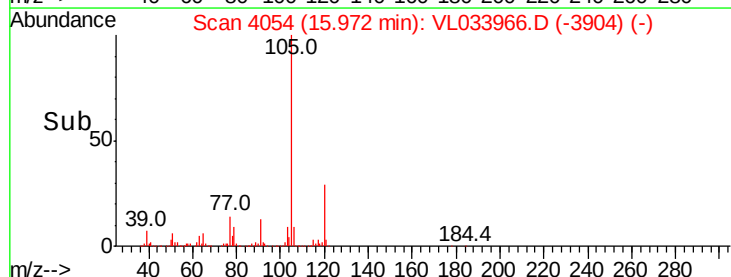
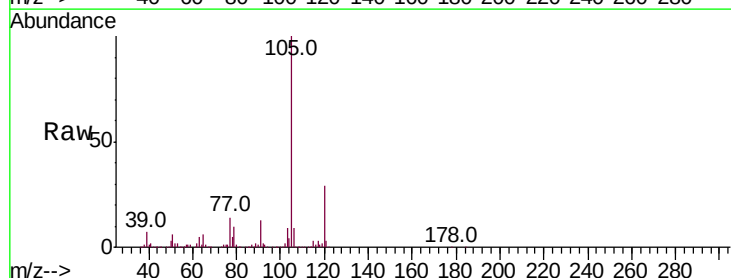
Ion Ratio Lower Upper

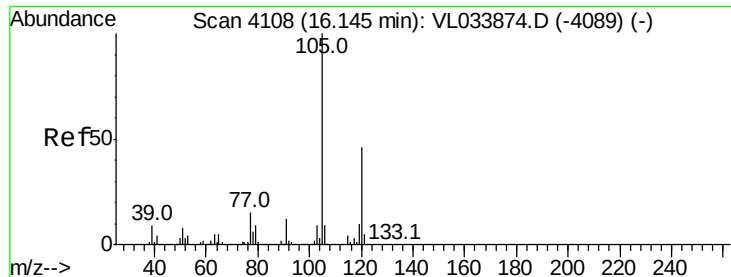
105 100

120 28.6 23.5 35.3

91 13.5 10.4 15.6

77 14.2 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 10.679 ppbv

RT: 16.13 min Scan# 4103

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampled :

VL0626ABS01

Tot Ion:105 Resp: 2840202

Ion Ratio Lower Upper

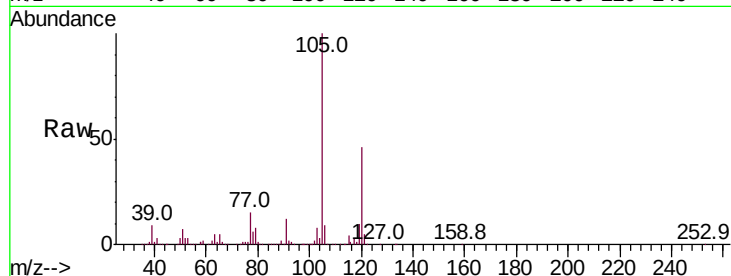
105 100

120 46.0 37.1 55.7

Manual Integrations
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6/27/2019 3:00:48 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.13

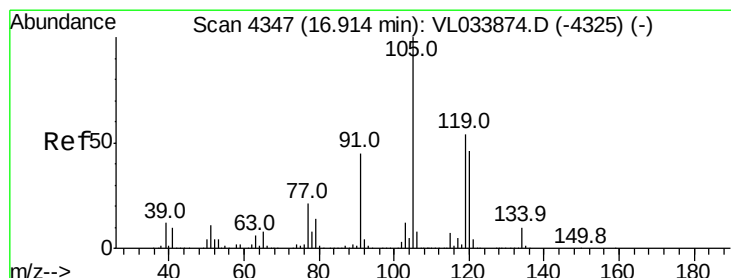
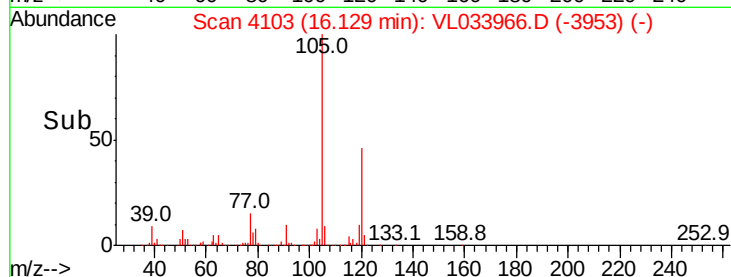
1500000

1000000

500000

0

Time--> 16.00 16.10 16.20



#74

1,2,4-Trimethylbenzene

Concen: 9.811 ppbv

RT: 16.90 min Scan# 4342

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion:105 Resp: 3007332

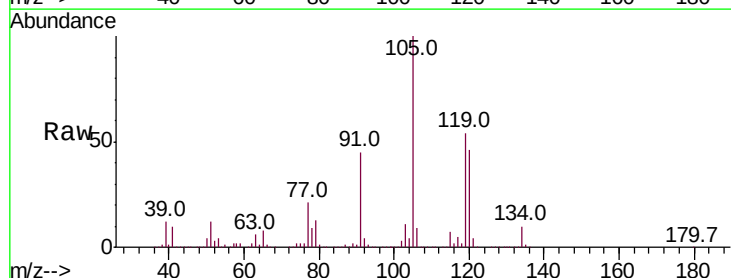
Ion Ratio Lower Upper

105 100

120 45.7 36.7 55.1

91 45.2 35.8 53.8

77 21.2 16.9 25.3



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): VLO

Ion 77.10 (76.80 to 77.80): VLO

2000000

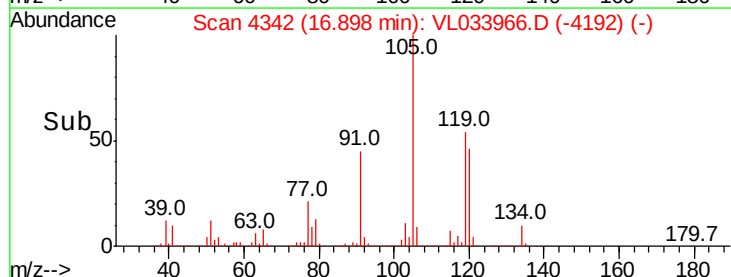
1500000

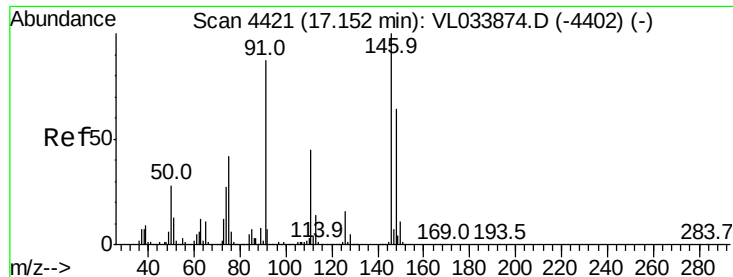
1000000

500000

0

Time--> 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 8.959 ppbv

RT: 17.14 min Scan# 4416

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

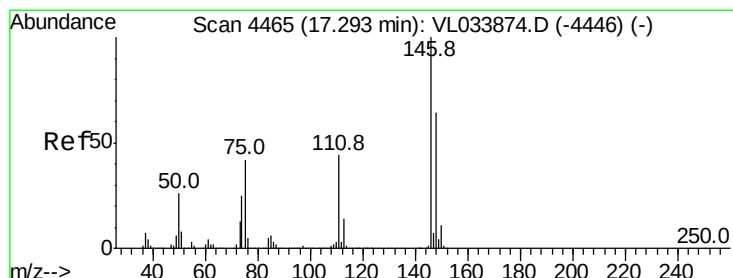
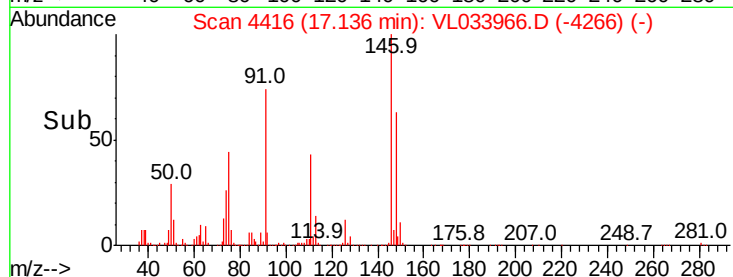
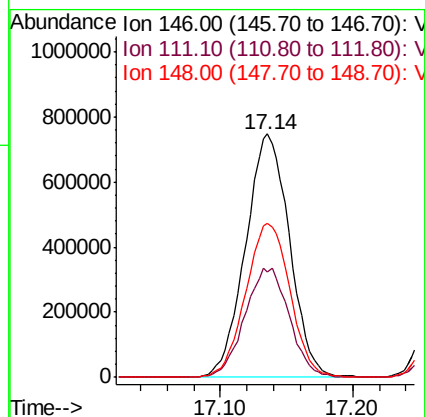
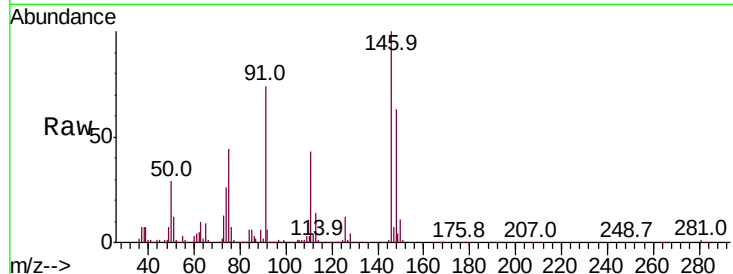
ClientSampleId :

VL0626ABS01

Tot Ion:	146	Resp:	1719814
Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.8	68.3
148	64.2	32.2	96.6

Manual Integrations
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6/27/2019 3:00:48 PM



#76

1,4-Dichlorobenzene

Concen: 9.414 ppbv

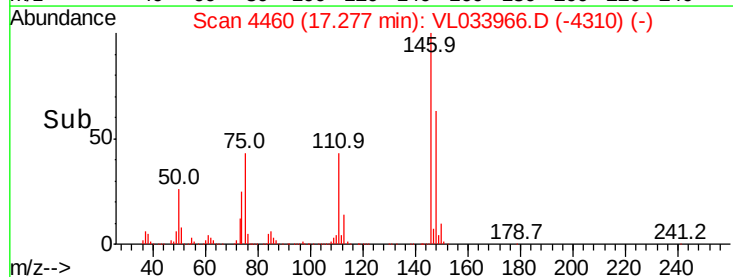
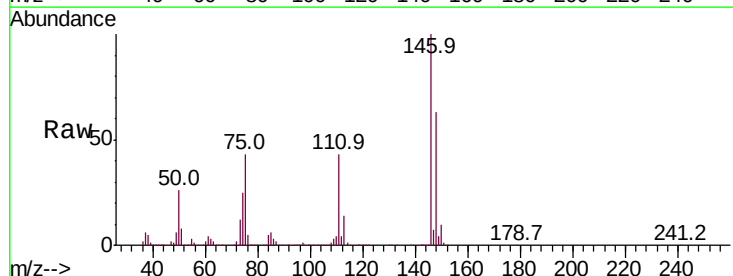
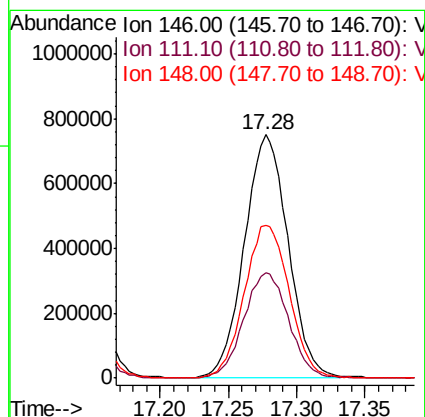
RT: 17.28 min Scan# 4460

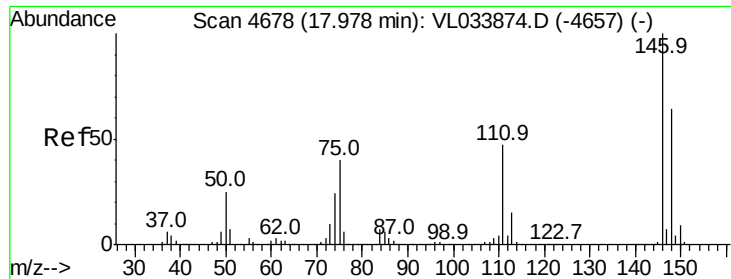
Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion:	146	Resp:	1659325
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.1	66.5
148	65.3	32.4	97.0





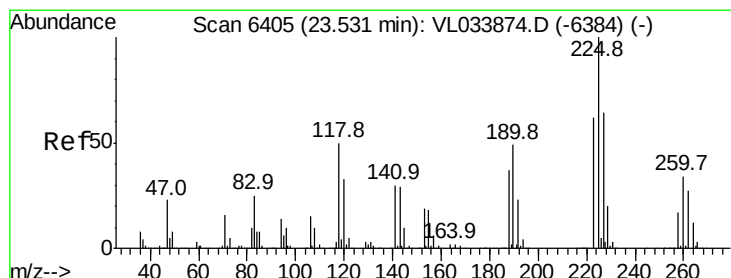
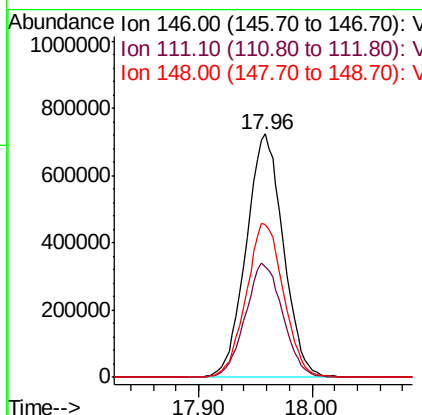
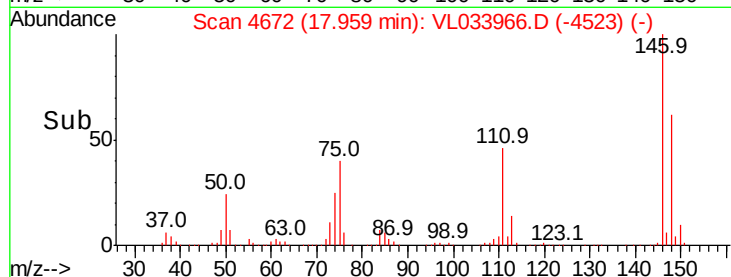
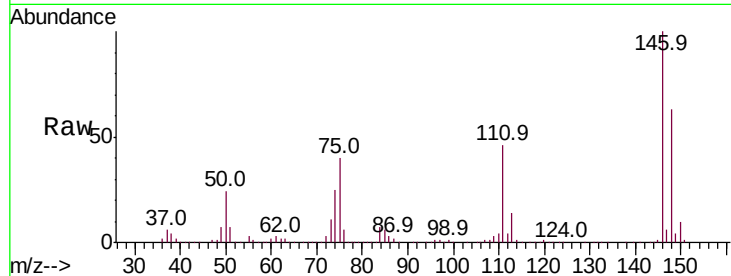
#77
 1,2-Dichlorobenzene
 Concen: 9.312 ppbv
 RT: 17.96 min Scan# 4672
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.4	70.0
148	63.9	31.8	95.4

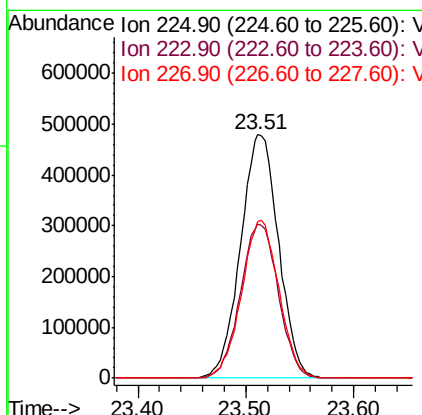
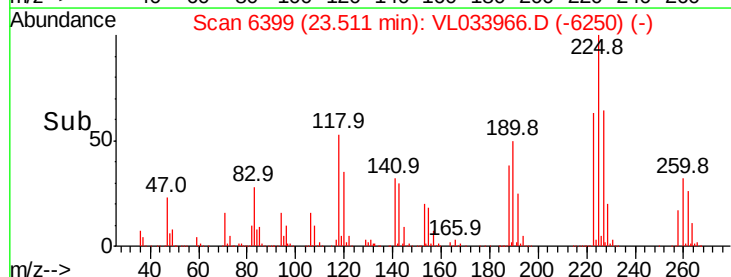
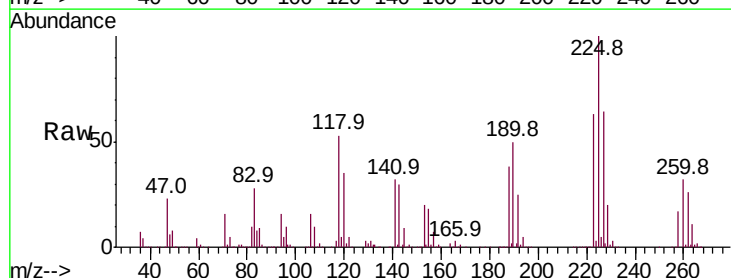
Manual Integrations
 APPROVED

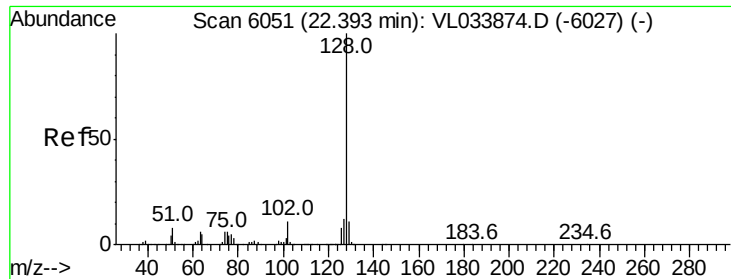
MMDadoda
 6/27/2019 3:00:48 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.479 ppbv
 RT: 23.51 min Scan# 6399
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.8	76.2
227	63.6	51.8	77.6





#79

Naphthalene

Concen: 9.544 ppbv

RT: 22.38 min Scan# 6046

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

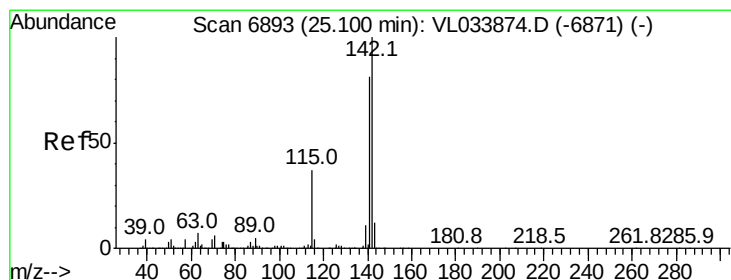
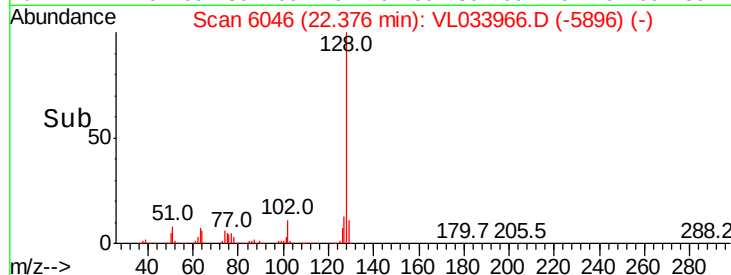
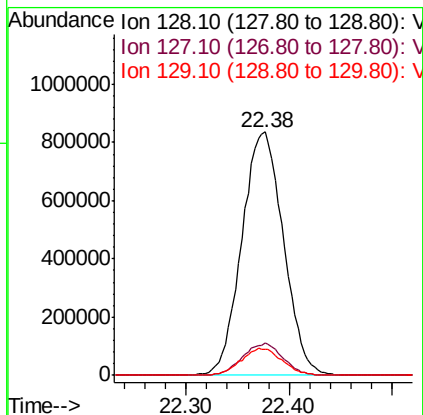
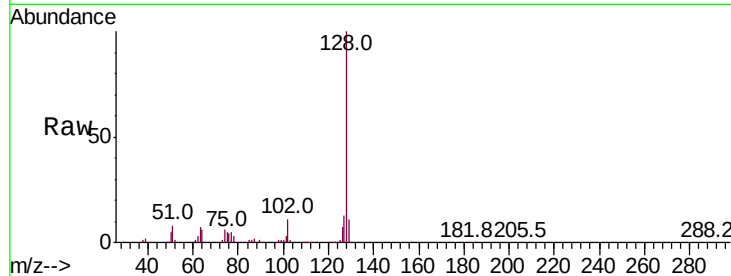
ClientSampleId :

VL0626ABS01

Tot Ion:	128	Resp:	2338442
Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.7	14.5
129	10.8	8.6	12.8

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#80

Naphthalene, 2-methyl-

Concen: 6.349 ppbv

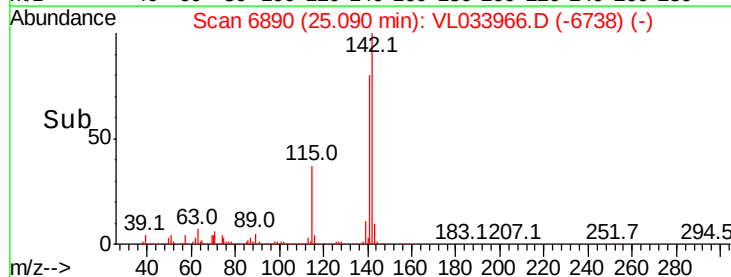
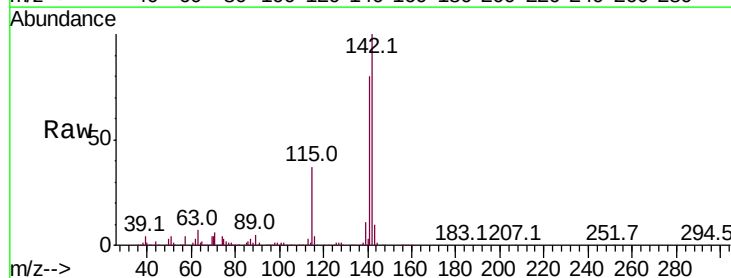
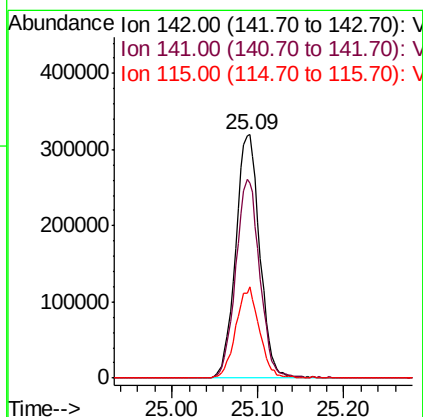
RT: 25.09 min Scan# 6890

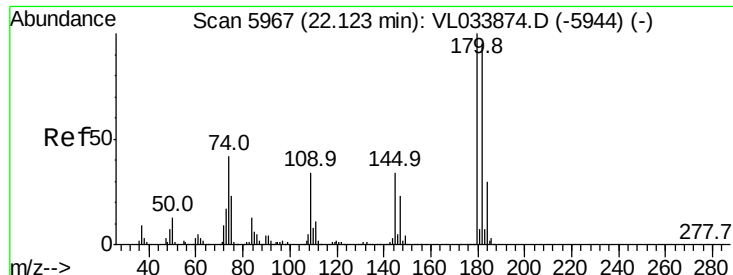
Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion:	142	Resp:	620631
Ion	Ratio	Lower	Upper
142	100		
141	81.6	65.7	98.5
115	36.4	28.9	43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.612 ppbv m
 RT: 22.09 min Scan# 5958
 Delta R.T. -0.03 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.9	115.3
184	0.0	24.5	36.7#

Manual Integrations
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