

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033050.D
 Acq On : 21 Dec 2018 11:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 8:26:36 AM

Quant Time: Dec 22 05:49:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	927244	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2292914	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2244802m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	1735358	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1230050	9.937 ppbv	96
3) Chlorodifluoromethane	3.02	51	1041239	14.827 ppbv	100
4) Chloromethane	3.17	50	548286	13.411 ppbv	96
5) Vinyl Chloride	3.30	62	574126	13.802 ppbv	98
6) Bromomethane	3.52	94	411687	15.823 ppbv	97
7) Chloroethane	3.61	64	225149	15.101 ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	1492441	14.508 ppbv	100
9) Propene	3.04	41	387105	13.941 ppbv	99
10) Heptane	8.26	43	1140996	10.939 ppbv	100
11) Trichlorofluoromethane	4.01	101	1793644	15.380 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1195030	12.010 ppbv	99
13) Ethanol	3.65	45	105141	10.997 ppbv	94
14) Bromoethene	3.80	108	523712	15.853 ppbv	100
15) Acetone	3.91	43	1117812	14.045 ppbv	100
16) 1,3-Butadiene	3.37	39	466798	14.783 ppbv	94
17) tert-Butyl alcohol	4.36	59	318008	15.694 ppbv #	81
18) 1,1-Dichloroethene	4.36	96	540023	13.858 ppbv	98
19) Isopropyl Alcohol	4.03	45	861146	17.229 ppbv	99
20) Methylene Chloride	4.42	84	466385	11.990 ppbv	98
21) Allyl Chloride	4.49	41	833403	12.849 ppbv	100
22) trans-1,2-Dichloroethene	4.98	96	534923	11.061 ppbv	98
23) Vinyl Acetate	5.17	43	1598699	11.864 ppbv	99
24) 1,1-Dichloroethane	5.10	63	1290664	11.015 ppbv	99
25) Ethyl Acetate	5.78	43	2009495	10.688 ppbv	100
26) Hexane	5.79	57	915816	10.551 ppbv	98
27) Carbon Disulfide	4.63	76	1340668	12.353 ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	1569762	12.041 ppbv	99
29) Chloroform	5.86	83	1604885	10.362 ppbv	97
30) Cyclohexane	7.26	84	790652	10.990 ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	961549	12.072 ppbv	97
32) 1,1,1-Trichloroethane	6.63	97	1709680	10.433 ppbv	100
34) 2-Butanone	5.34	43	1310612	13.122 ppbv	100
35) Carbon Tetrachloride	7.15	117	1833563	10.174 ppbv	99
36) Benzene	7.02	78	1857660	11.015 ppbv	98
37) 1,2-Dichloroethane	6.43	62	1269338	11.055 ppbv	100
38) Trichloroethene	7.98	130	800548	11.406 ppbv	97
39) 1,2-Dichloropropane	7.75	63	679274	10.620 ppbv	95
40) 1,4-Dioxane	7.97	88	254452	10.801 ppbv #	95
41) Tetrahydrofuran	6.16	42	683985	11.011 ppbv	99
42) Bromodichloromethane	7.93	83	1748387	10.990 ppbv	99
43) Methyl Methacrylate	8.15	69	765294	12.246 ppbv	98

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 VSTDCCC010EC

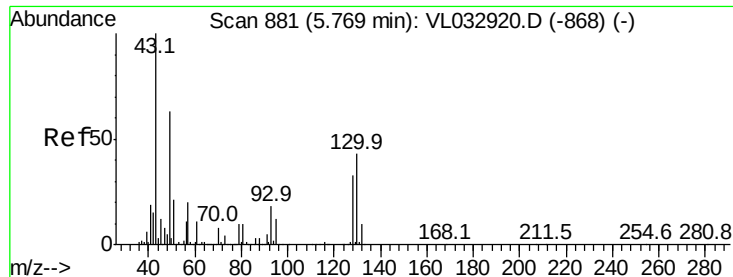
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	3164301	11.053	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1048397	13.683	ppbv	100
46) cis-1,3-Dichloropropene	8.85	75	1197011	12.764	ppbv	95
47) 1,1,2-Trichloroethane	9.63	97	796413	11.313	ppbv	98
48) Dibromochloromethane	10.47	129	1489519	11.278	ppbv	100
49) Bromoform	13.22	173	1288086	11.858	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	1818089	11.383	ppbv	100
51) 2-Hexanone	10.28	43	1358335	12.541	ppbv	99
52) Tetrachloroethene	11.39	164	688502	11.223	ppbv	94
53) Toluene	9.96	91	2218173	12.401	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1257259	11.432	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1074125	10.733	ppbv	97
57) Chlorobenzene	12.32	112	1719544	10.606	ppbv	99
58) Ethyl Benzene	12.88	91	3048716	12.731	ppbv	100
59) m/p-Xylene	13.14	91	5261025m	24.232	ppbv	
60) o-Xylene	13.87	91	2580807	11.771	ppbv	99
61) Styrene	13.70	104	1863146	12.775	ppbv	100
62) Isopropylbenzene	14.84	105	3616069	11.821	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	1765406	10.370	ppbv	99
64) n-propylbenzene	15.74	120	921603	11.600	ppbv	98
65) tert-Butylbenzene	16.92	119	3359344	11.846	ppbv	99
66) Benzyl Chloride	17.17	91	2030652	12.919	ppbv	99
67) sec-Butylbenzene	17.48	105	4715825	11.279	ppbv	100
69) p-Isopropyltoluene	17.83	119	3964323	11.700	ppbv	99
70) n-Butylbenzene	18.73	91	4048309	12.986	ppbv	100
71) 2-Chlorotoluene	15.63	91	2712257	11.923	ppbv	99
72) 4-Ethyltoluene	16.02	105	2980667	12.177	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	2894011	12.111	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	3045944	11.289	ppbv	99
75) 1,3-Dichlorobenzene	17.18	146	1717891	10.811	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	1689985	11.398	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	1705396	11.493	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1102324	13.508	ppbv	99
79) Naphthalene	22.43	128	2407425	13.818	ppbv	99
80) Naphthalene, 2-methyl-	25.13	142	616509	16.562	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1170945	12.673	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

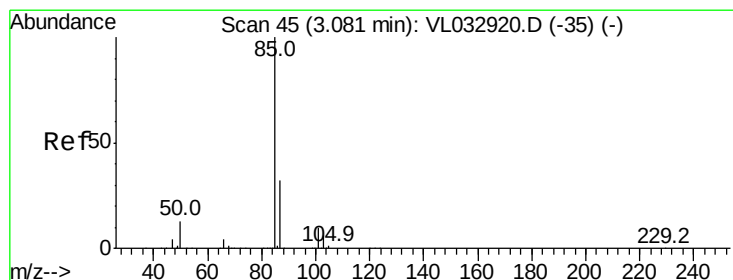
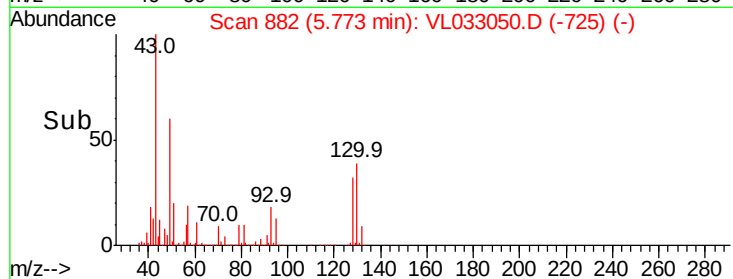
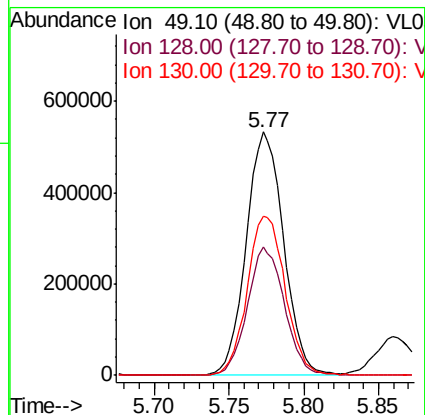
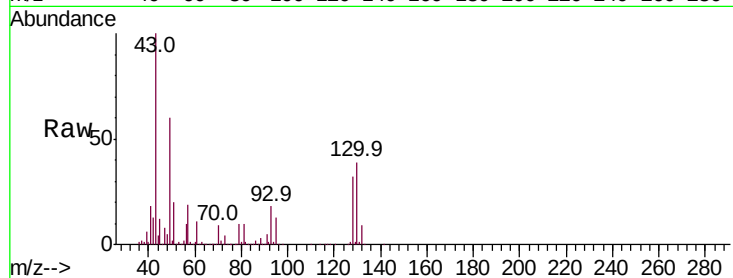
ClientSampleId :

VSTDCCC010EC

Tot Ion:	49	Resp:	927244
Ion	Ratio	Lower	Upper
49	100		
128	52.4	26.3	78.8
130	66.6	33.9	101.7

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#2

Dichlorodifluoromethane

Concen: 9.937 ppbv

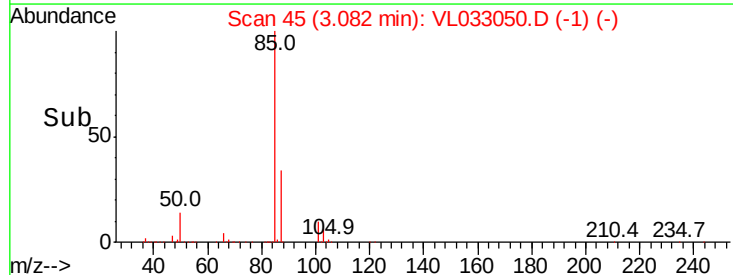
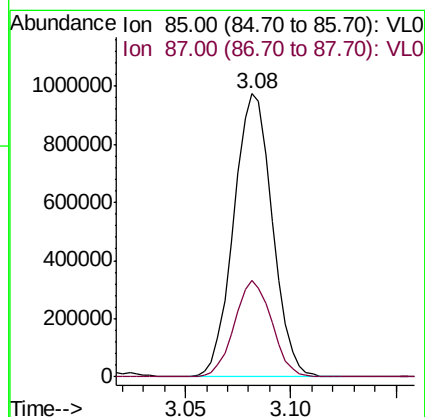
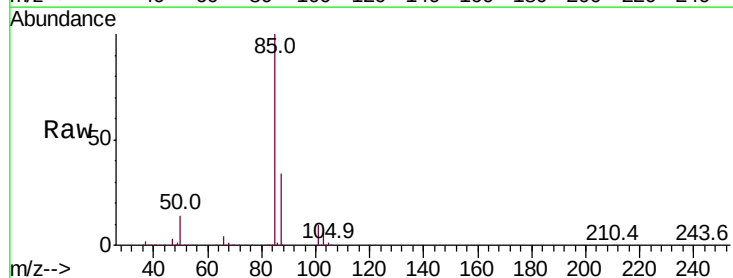
RT: 3.08 min Scan# 45

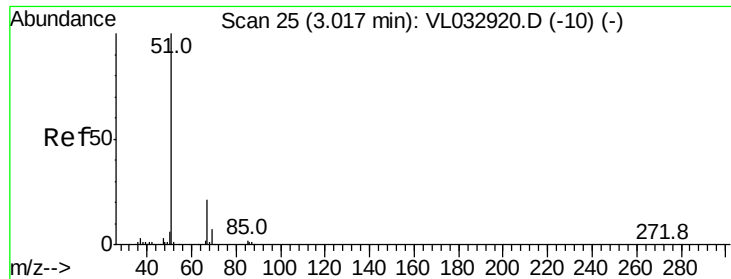
Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tgt Ion:	85	Resp:	1230050
Ion	Ratio	Lower	Upper
85	100		
87	34.1	25.7	38.5





#3

Chlorodifluoromethane

Concen: 14.827 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tot Ion: 51 Resp: 1041239

Ion Ratio Lower Upper

51 100

67 21.0 16.8 25.2

Instrument :

MSVOA_L

ClientSampleId :

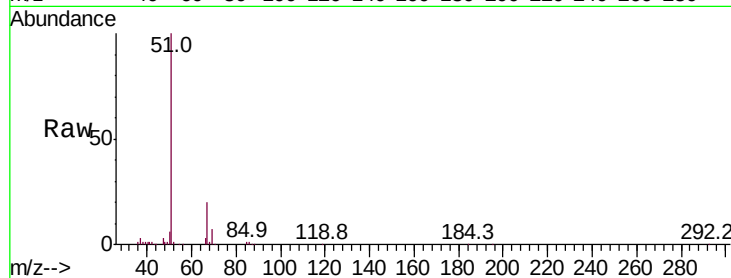
VSTDCCC010EC

Manual Integrations

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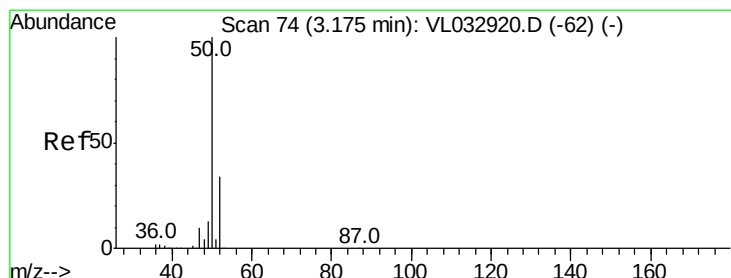
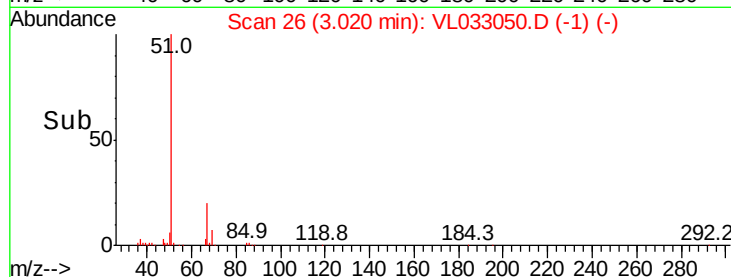
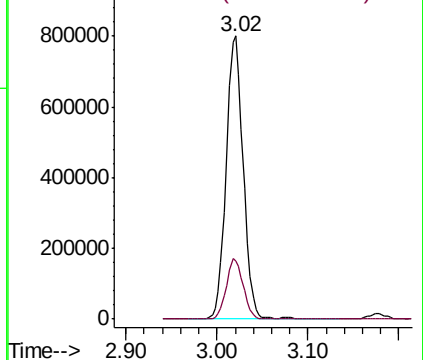
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 13.411 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033050.D

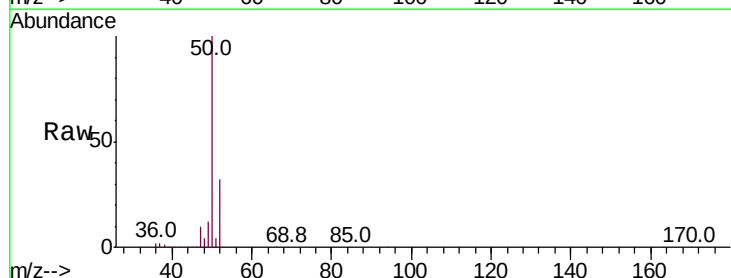
Acq: 21 Dec 2018 11:49

Tgt Ion: 50 Resp: 548286

Ion Ratio Lower Upper

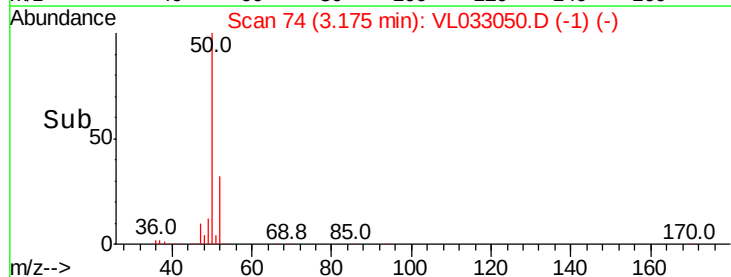
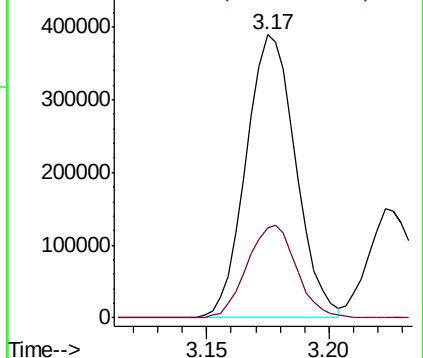
50 100

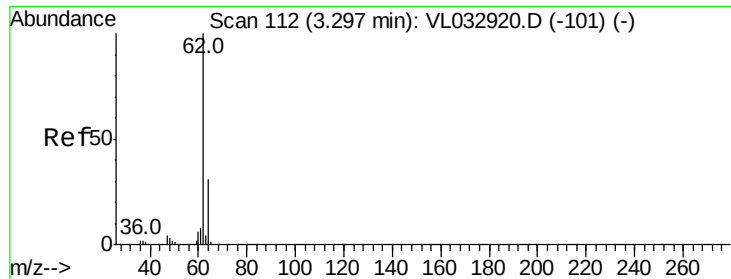
52 32.0 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 13.802 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 574126

Ion Ratio Lower Upper

62 100

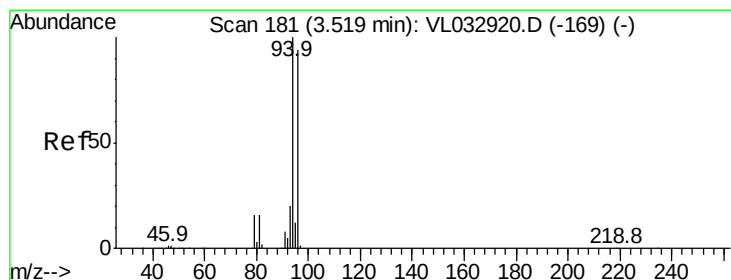
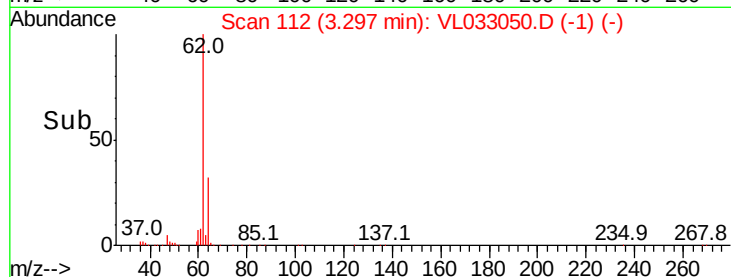
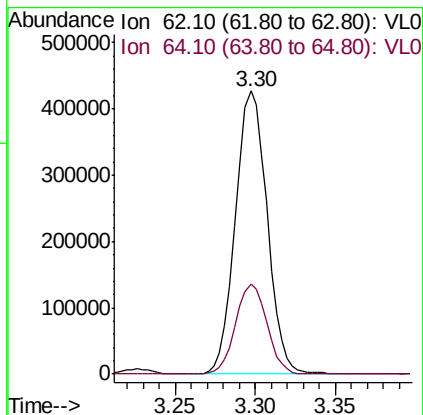
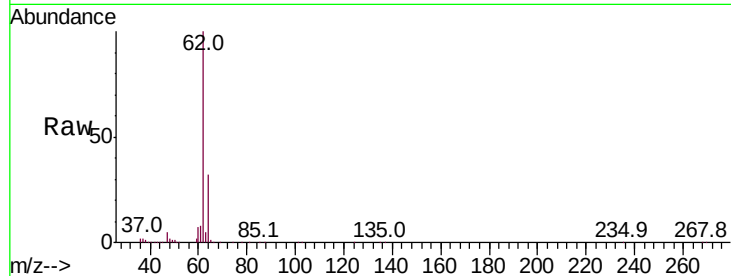
64 32.0 24.8 37.2

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#6

Bromomethane

Concen: 15.823 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.00 min

Lab File: VL033050.D

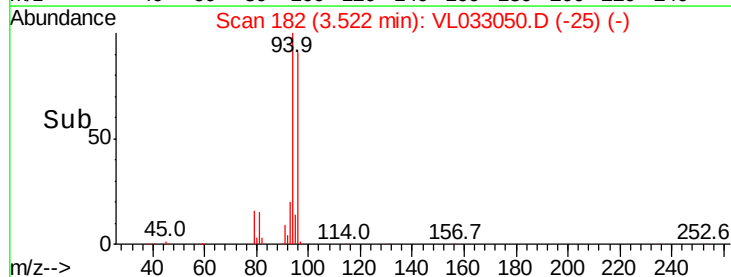
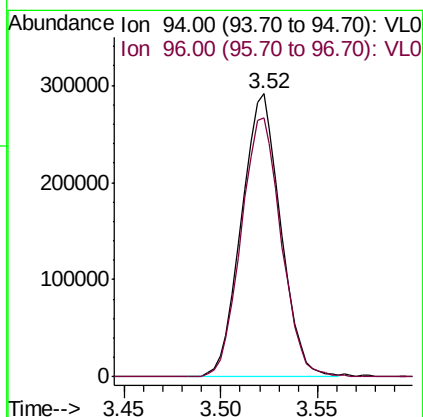
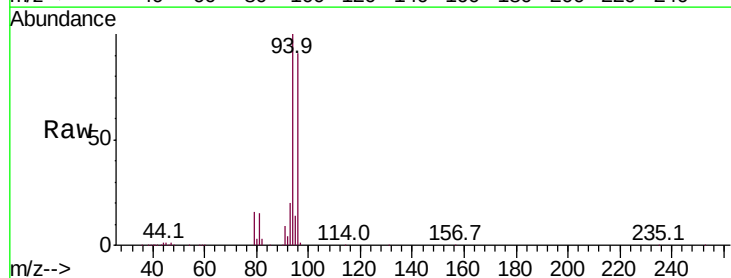
Acq: 21 Dec 2018 11:49

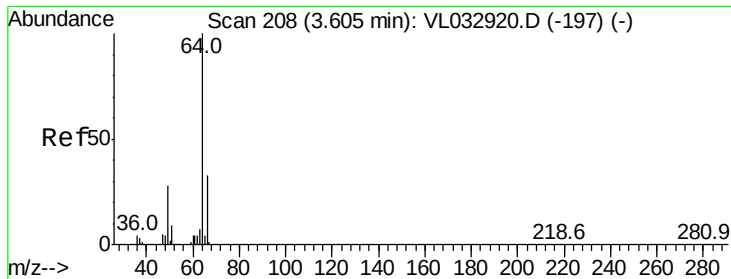
Tgt Ion: 94 Resp: 411687

Ion Ratio Lower Upper

94 100

96 91.0 75.5 113.3





#7

Chloroethane

Concen: 15.101 ppbv

RT: 3.61 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 225149

Ion Ratio Lower Upper

64 100

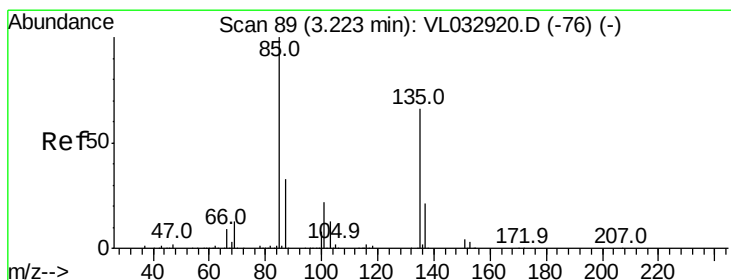
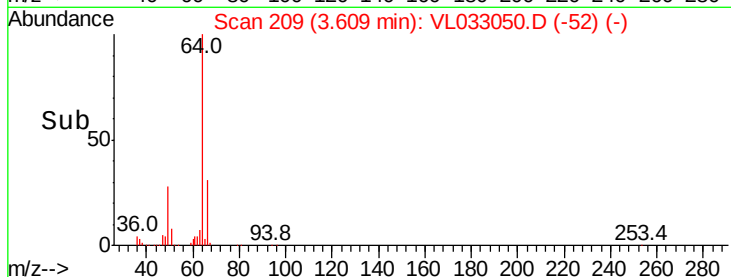
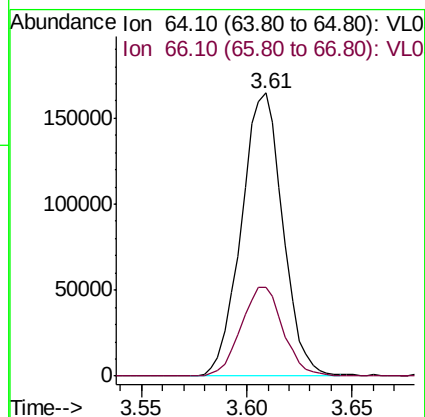
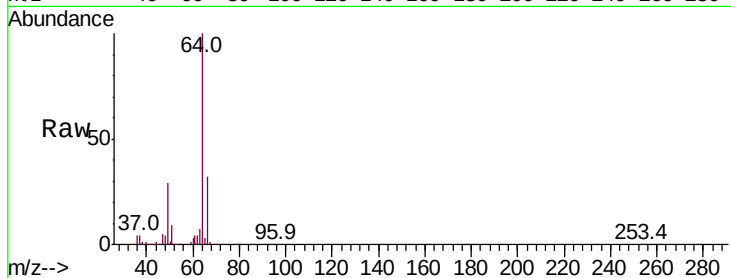
66 31.5 26.6 40.0

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#8

Dichlorotetrafluoroethane

Concen: 14.508 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL033050.D

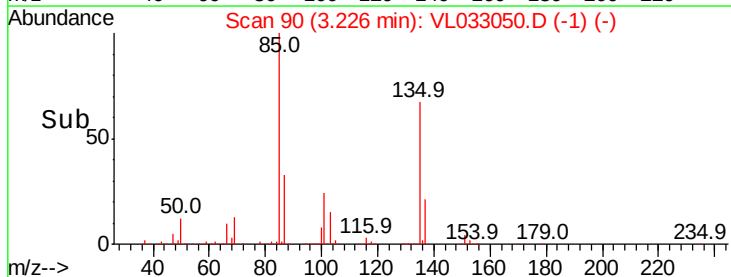
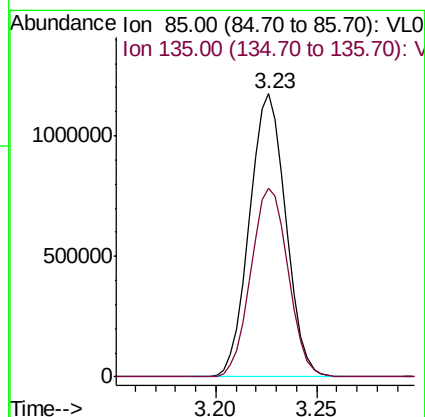
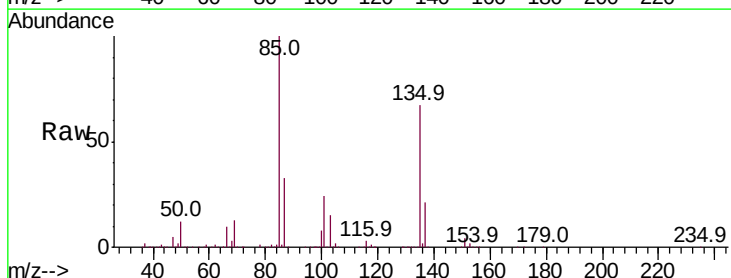
Acq: 21 Dec 2018 11:49

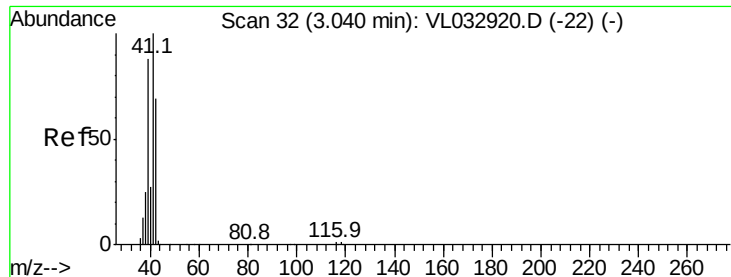
Tgt Ion: 85 Resp: 1492441

Ion Ratio Lower Upper

85 100

135 68.4 54.5 81.7





#9

Propene

Concen: 13.941 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 387105

Ion Ratio Lower Upper

41 100

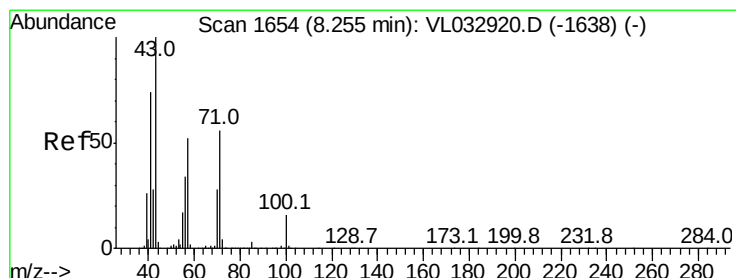
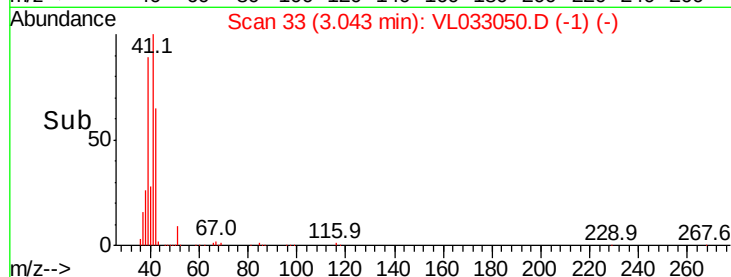
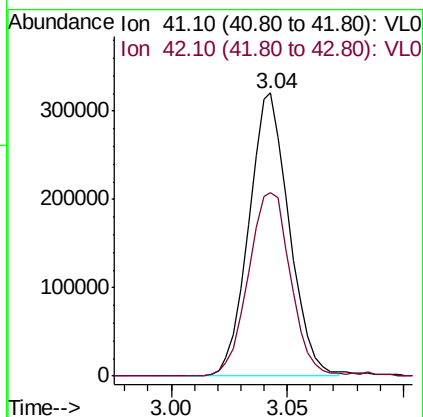
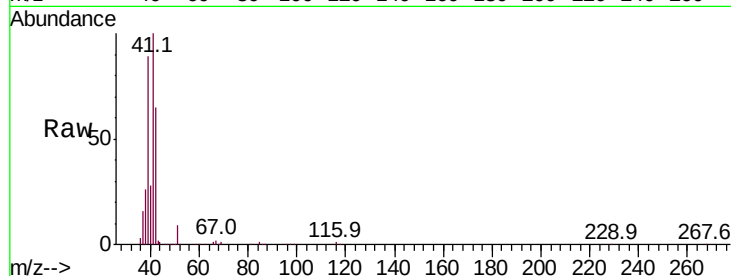
42 69.4 56.2 84.2

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#10

Heptane

Concen: 10.939 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL033050.D

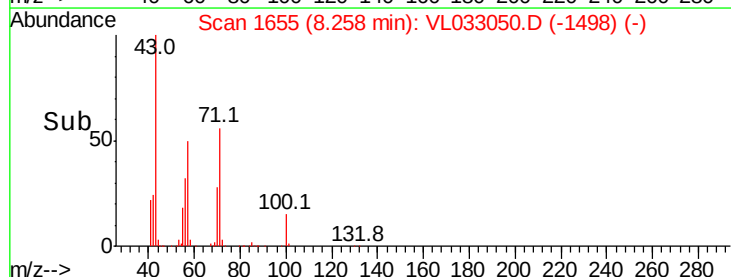
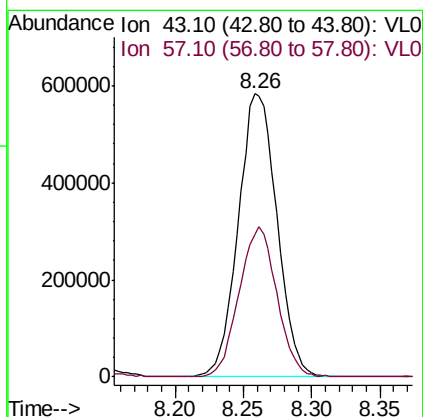
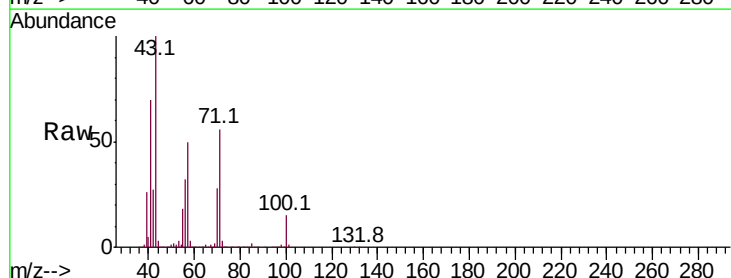
Acq: 21 Dec 2018 11:49

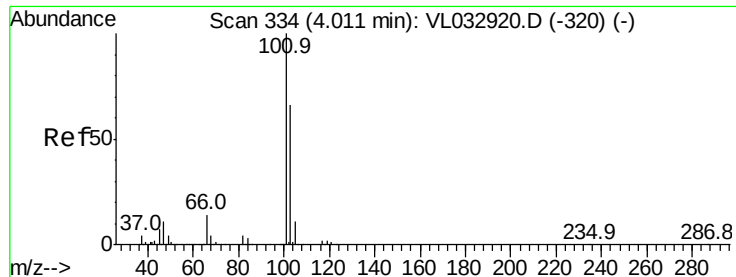
Tgt Ion: 43 Resp: 1140996

Ion Ratio Lower Upper

43 100

57 52.0 41.8 62.6





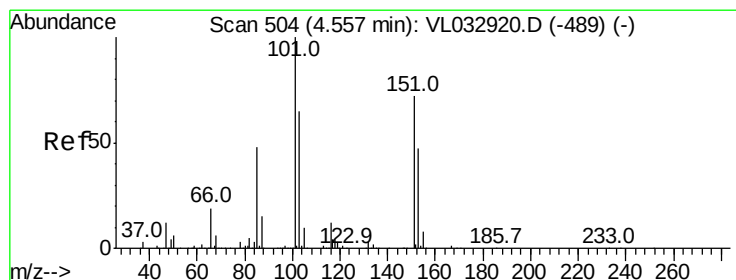
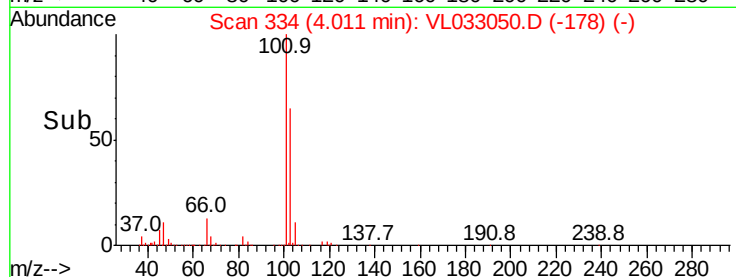
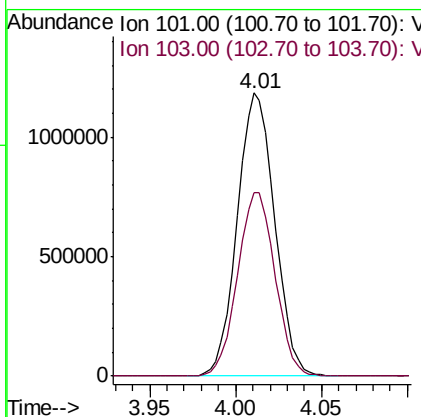
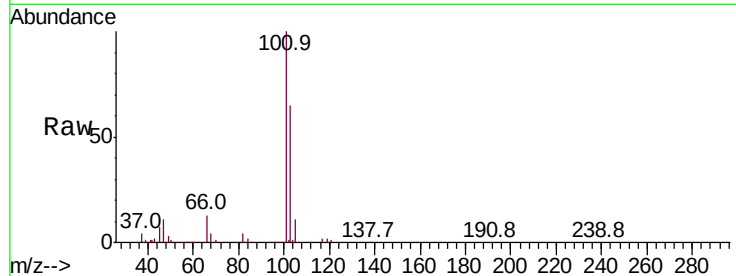
#11
 Trichlorofluoromethane
 Concen: 15.380 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1793644
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.7 79.1

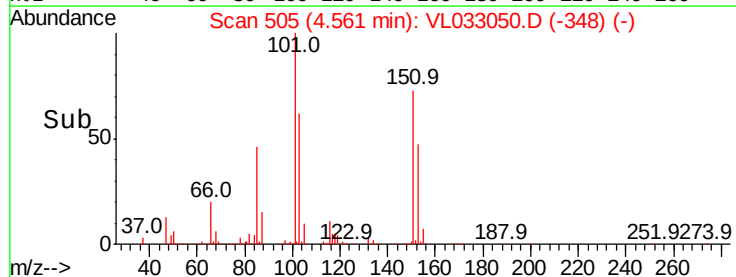
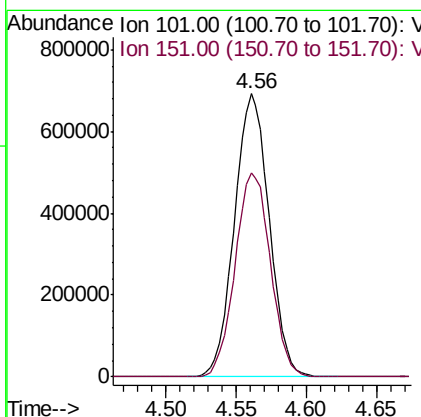
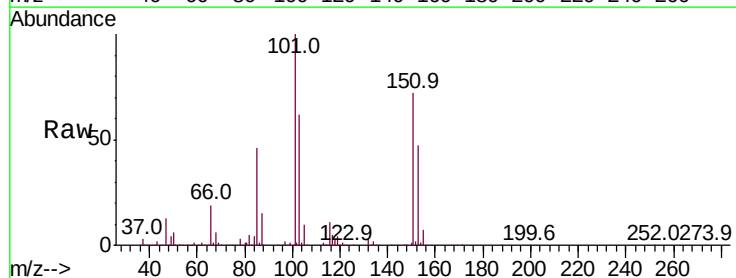
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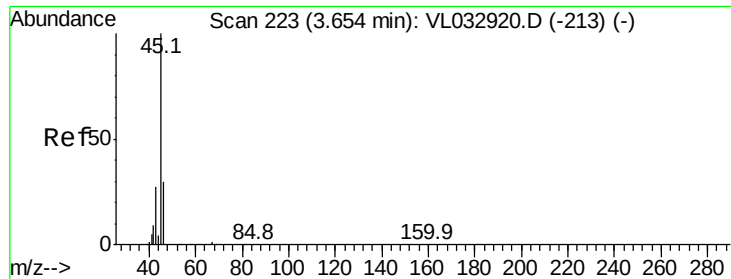
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.010 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Tgt Ion:101 Resp: 1195030
 Ion Ratio Lower Upper
 101 100
 151 73.6 59.3 88.9





#13

Ethanol

Concen: 10.997 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 105141

Ion Ratio Lower Upper

45 100

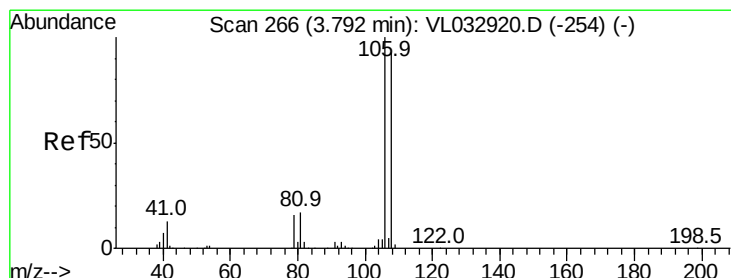
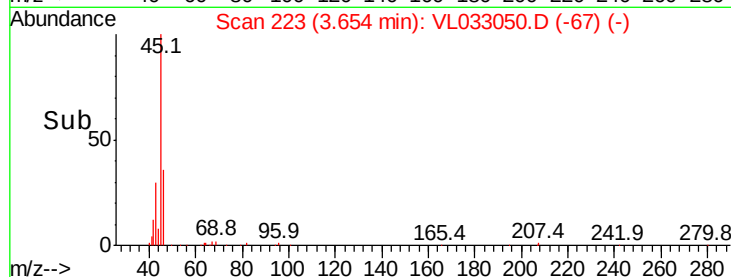
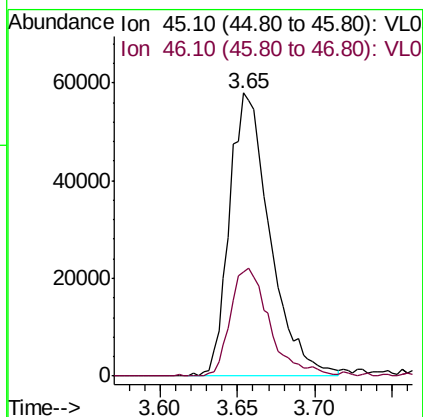
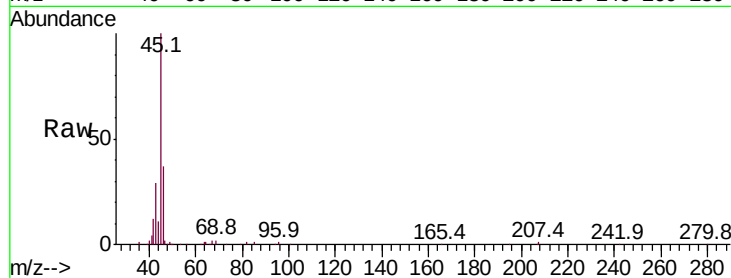
46 38.1 13.8 55.4

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#14

Bromoethene

Concen: 15.853 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

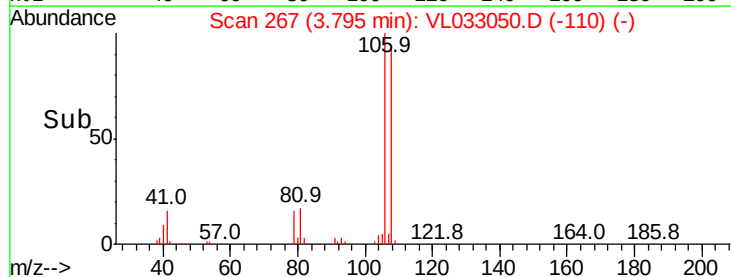
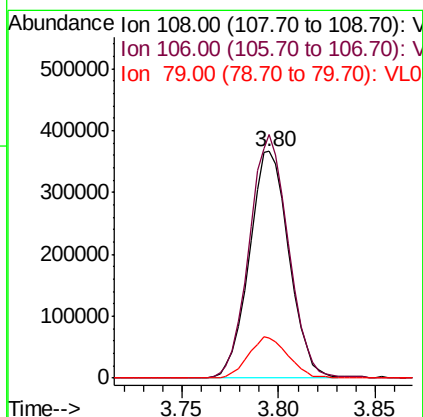
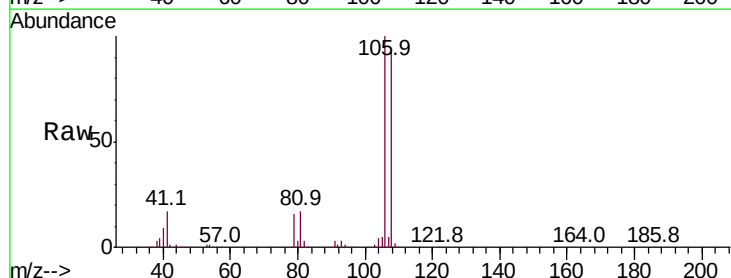
Tgt Ion: 108 Resp: 523712

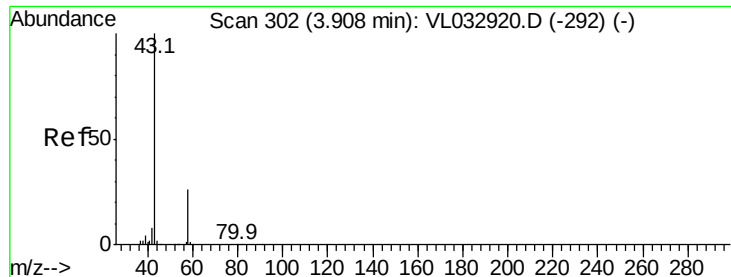
Ion Ratio Lower Upper

108 100

106 106.8 85.4 128.2

79 18.1 14.6 21.8





#15

Acetone

Concen: 14.045 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tot Ion: 43 Resp: 1117812

Ion Ratio Lower Upper

43 100

58 25.7 20.6 30.8

Instrument :

MSVOA_L

ClientSampleId :

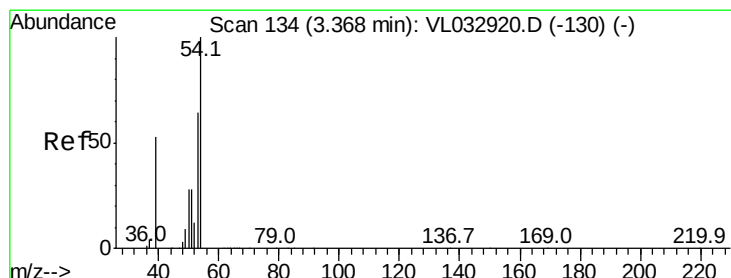
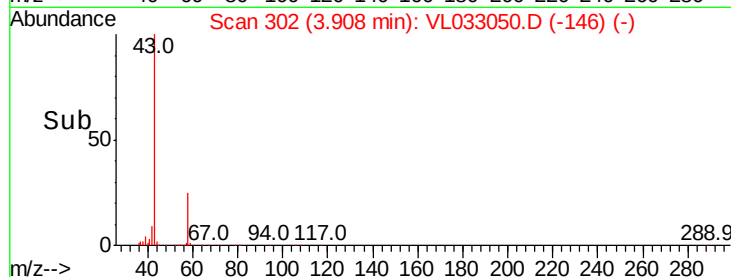
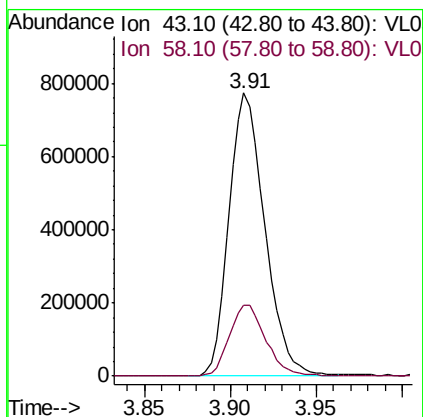
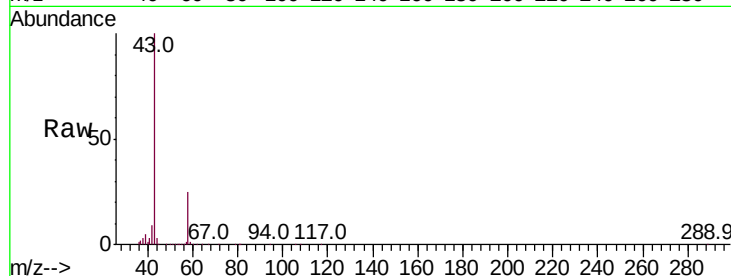
VSTDCCC010EC

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#16

1,3-Butadiene

Concen: 14.783 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL033050.D

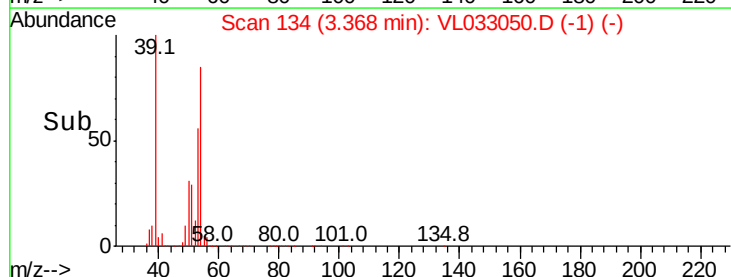
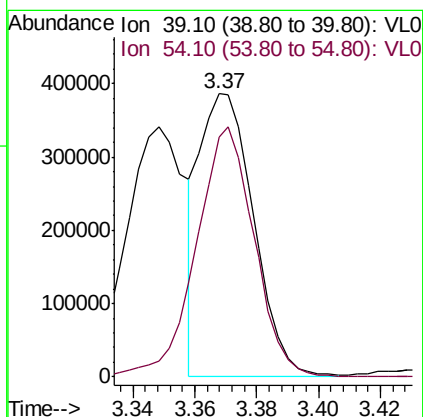
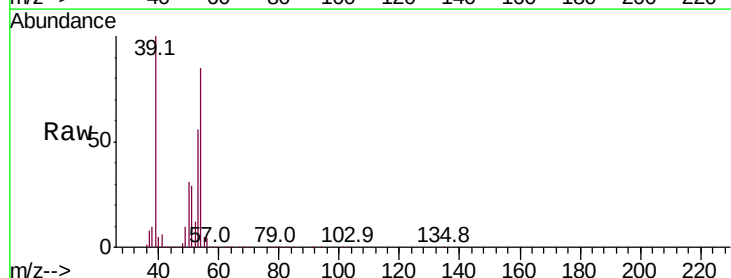
Acq: 21 Dec 2018 11:49

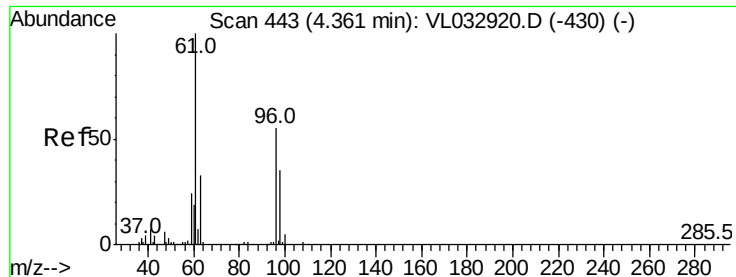
Tgt Ion: 39 Resp: 466798

Ion Ratio Lower Upper

39 100

54 96.2 72.7 109.1





#17

tert-Butyl alcohol

Concen: 15.694 ppbv

RT: 4.36 min Scan# 444

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 59 Resp: 318008

Ion Ratio Lower Upper

59 100

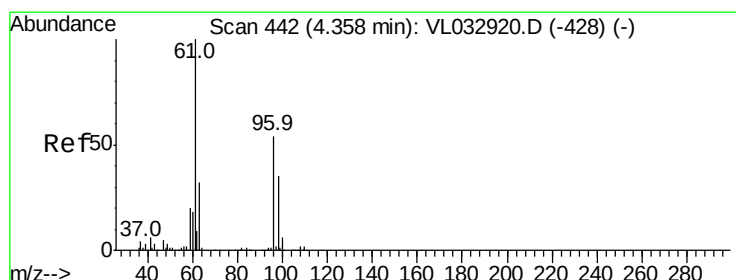
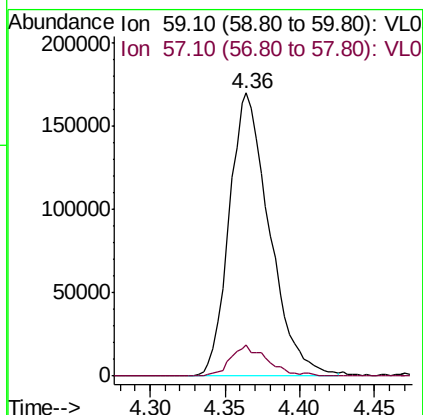
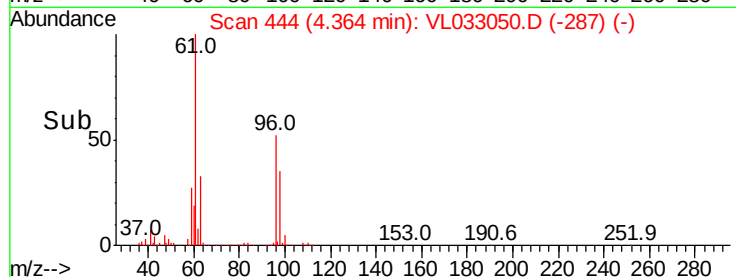
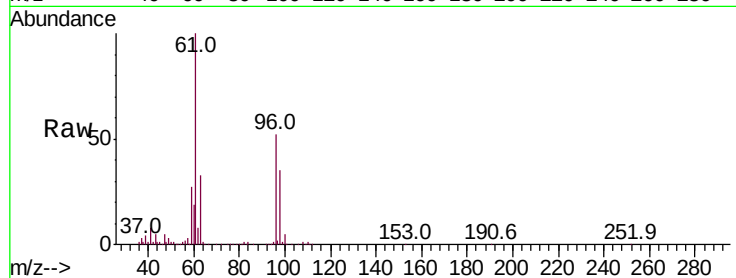
57 10.1 0.6 1.0#

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#18

1,1-Dichloroethene

Concen: 13.858 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

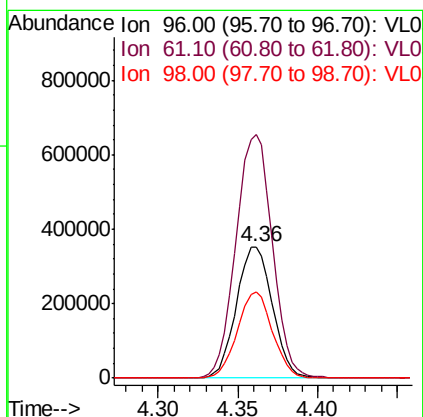
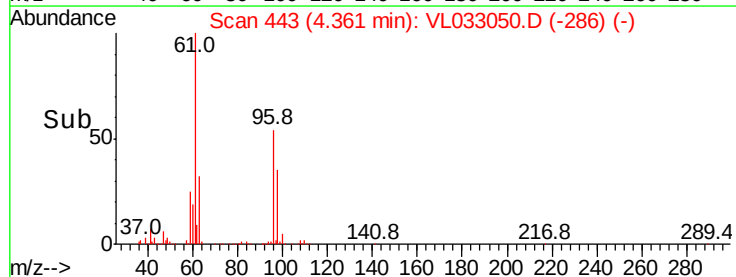
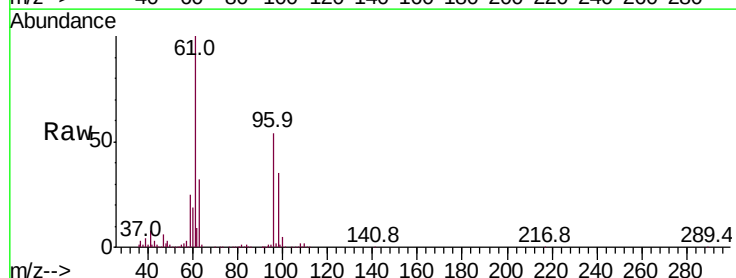
Tgt Ion: 96 Resp: 540023

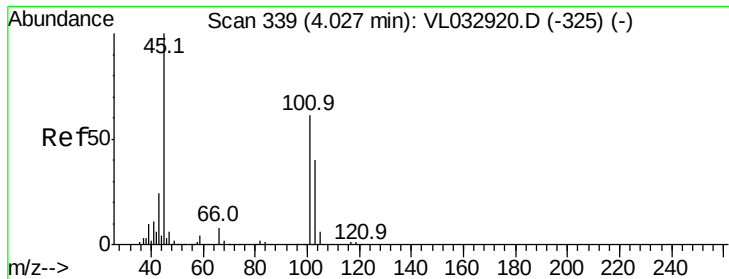
Ion Ratio Lower Upper

96 100

61 185.3 147.0 220.4

98 65.7 50.7 76.1





#19

Isopropyl Alcohol

Concen: 17.229 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tot Ion: 45 Resp: 861146

Ion Ratio Lower Upper

45 100

58 1.6 1.4 2.2

Instrument :

MSVOA_L

ClientSampleId :

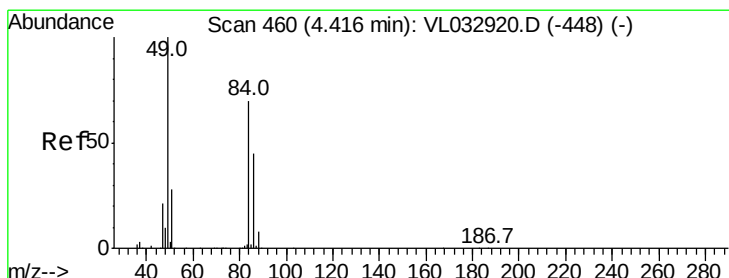
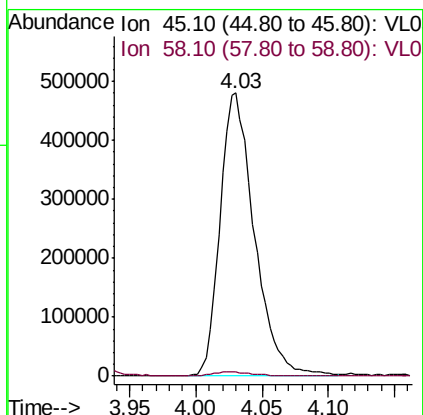
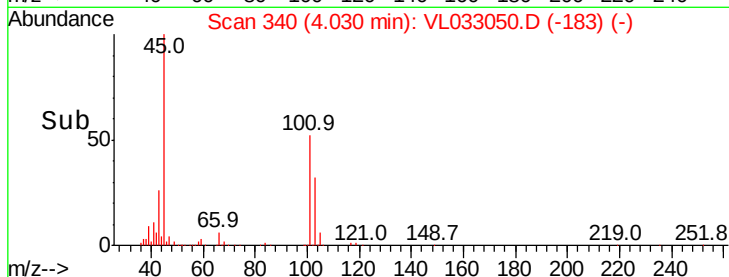
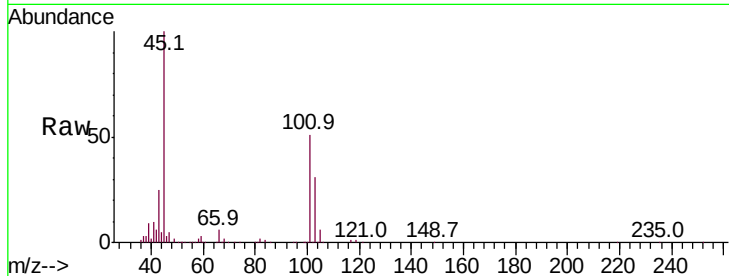
VSTDCCC010EC

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#20

Methylene Chloride

Concen: 11.990 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tgt Ion: 84 Resp: 466385

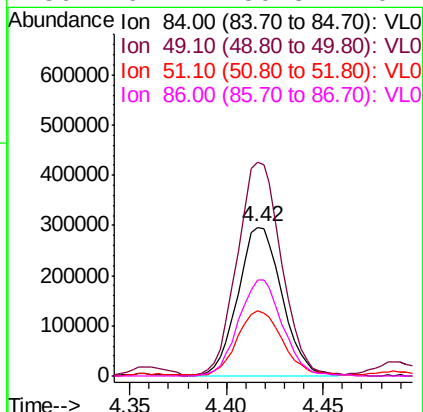
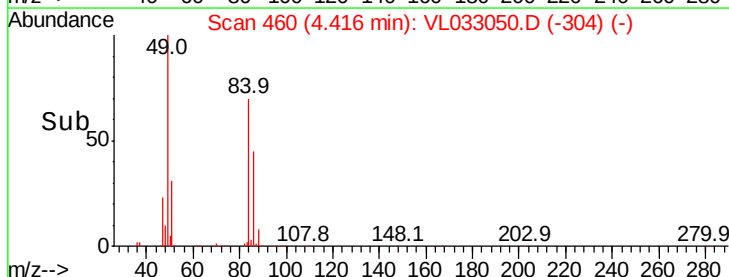
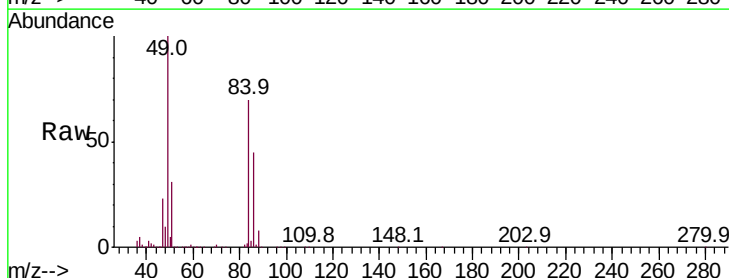
Ion Ratio Lower Upper

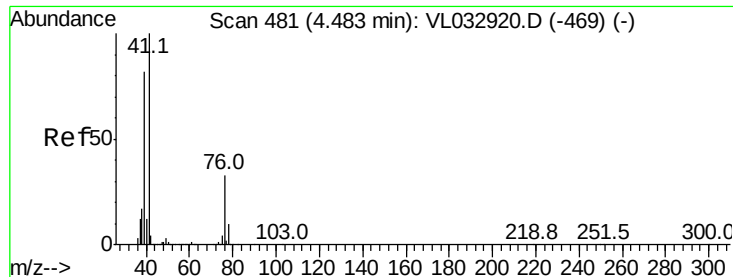
84 100

49 143.1 113.8 170.8

51 43.4 31.8 47.8

86 64.4 50.8 76.2





#21

Allvl Chloride

Concen: 12.849 ppbv

RT: 4.49 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

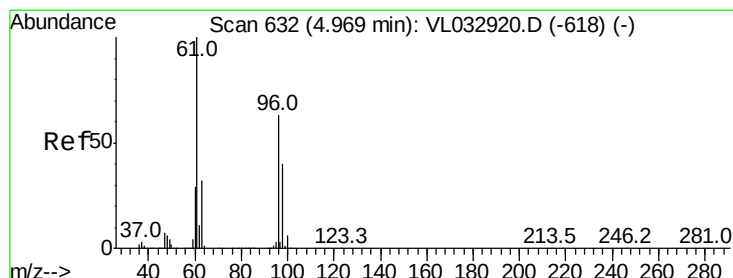
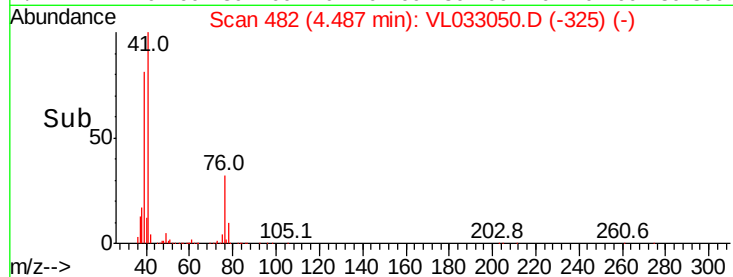
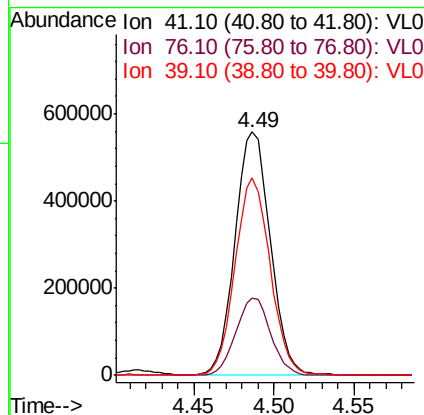
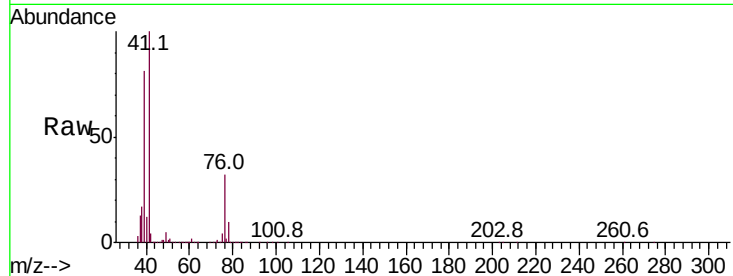
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	833403
Ion Ratio	Lower	Upper	
41	100		
76	31.5	25.2	37.8
39	81.0	65.2	97.8

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#22

trans-1,2-Dichloroethene

Concen: 11.061 ppbv

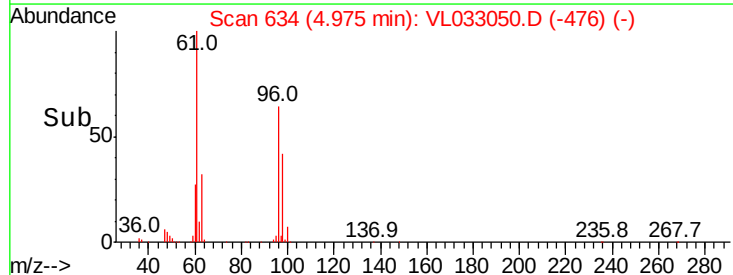
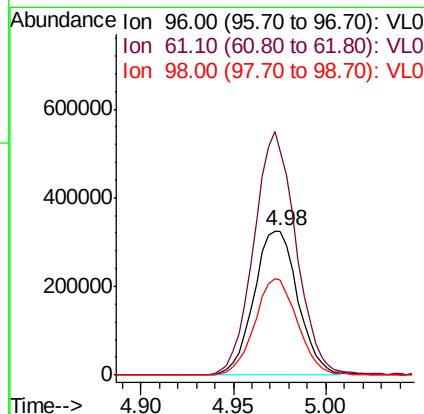
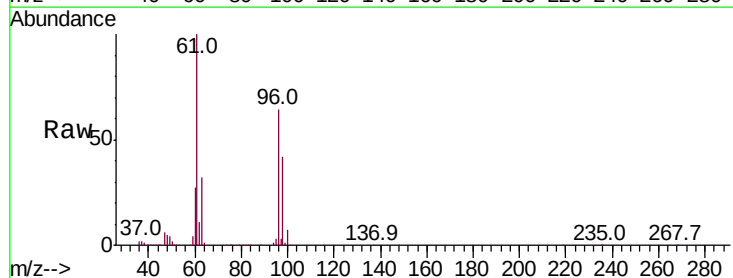
RT: 4.98 min Scan# 634

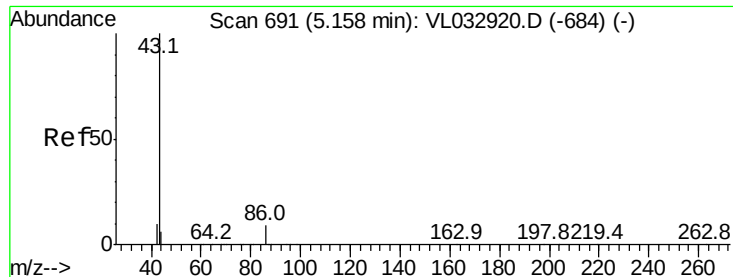
Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tgt Ion:	96	Resp:	534923
Ion Ratio	Lower	Upper	
96	100		
61	156.2	127.1	190.7
98	65.8	51.3	76.9





#23

Vinyl Acetate

Concen: 11.864 ppbv

RT: 5.17 min Scan# 693

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1598699

Ion Ratio Lower Upper

43 100

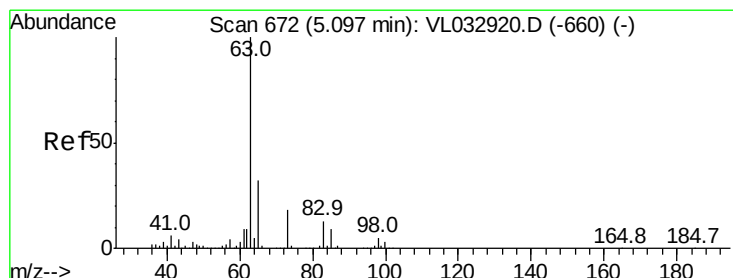
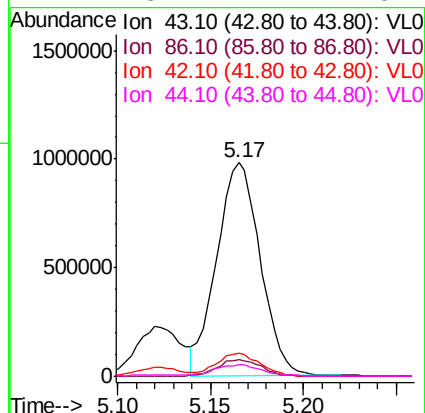
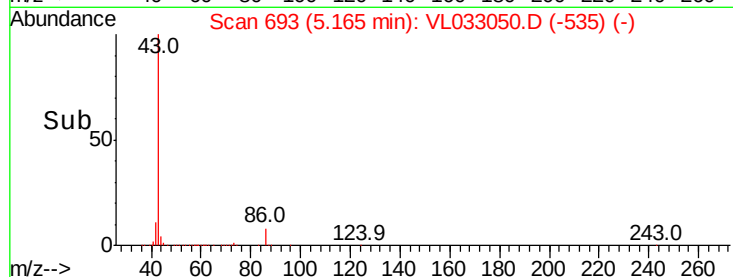
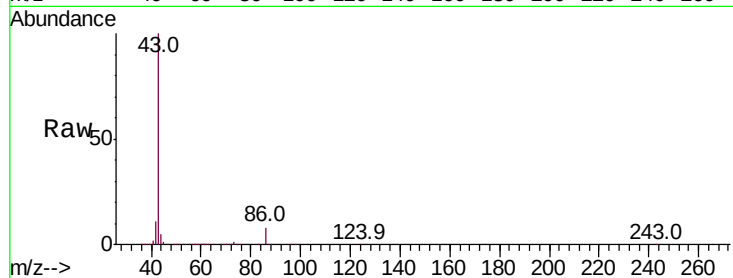
86 7.9 6.6 9.8

42 10.6 8.3 12.5

44 5.2 4.2 6.4

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#24

1,1-Dichloroethane

Concen: 11.015 ppbv

RT: 5.10 min Scan# 674

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

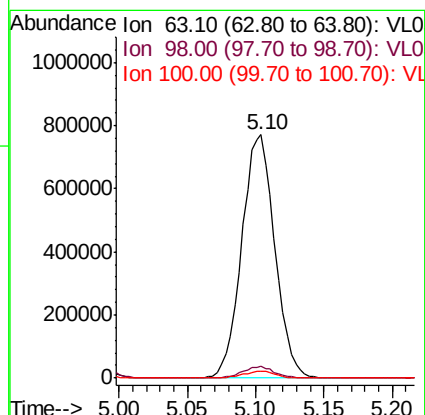
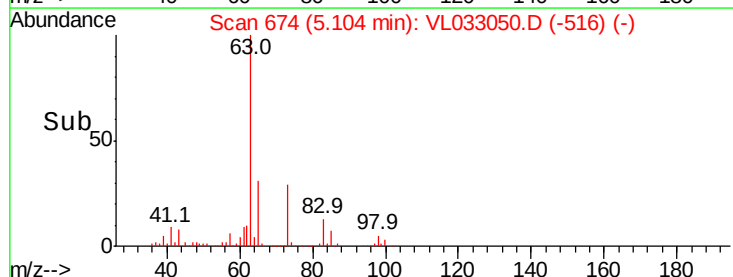
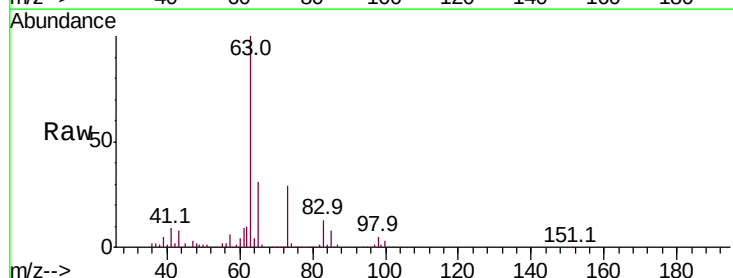
Tgt Ion: 63 Resp: 1290664

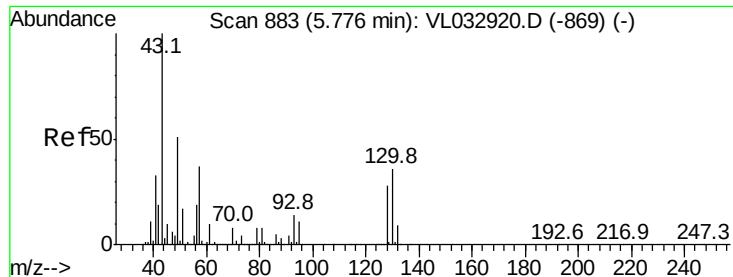
Ion Ratio Lower Upper

63 100

98 4.7 2.5 7.5

100 2.9 1.4 4.2





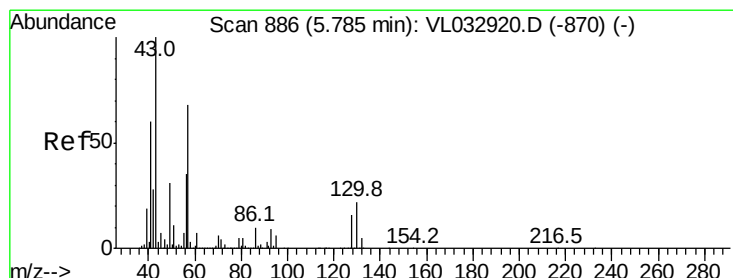
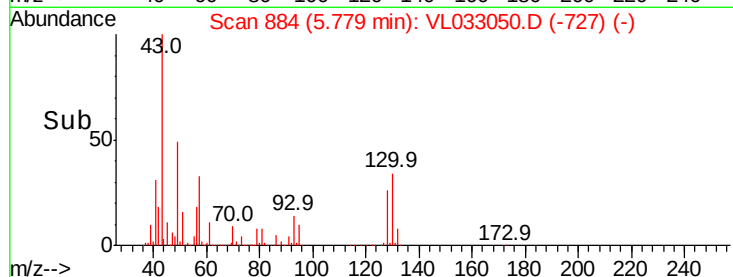
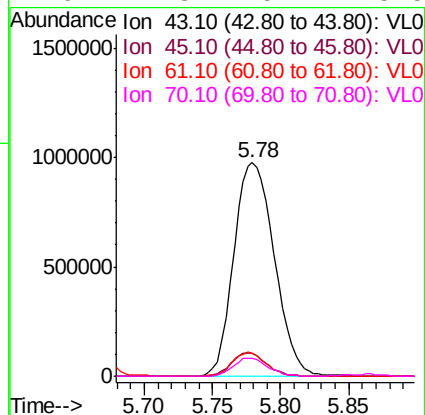
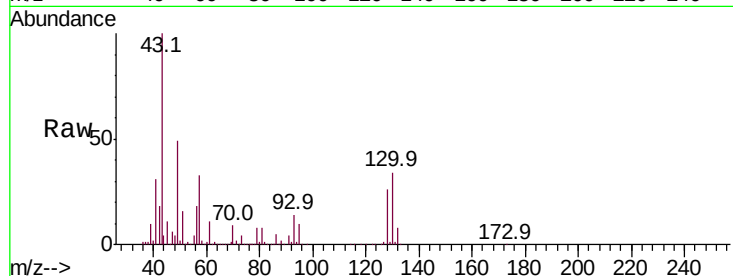
#25
Ethyl Acetate
Concen: 10.688 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.7	7.8	11.6	
61	9.6	7.4	11.2	
70	7.3	5.7	8.5	

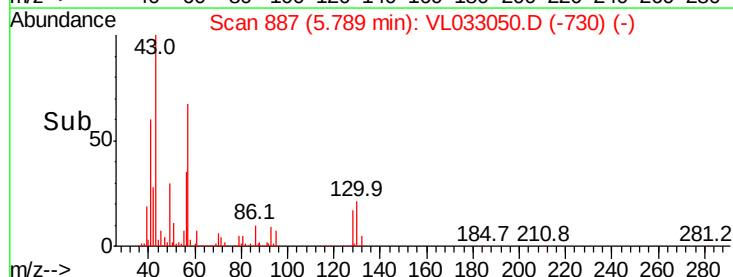
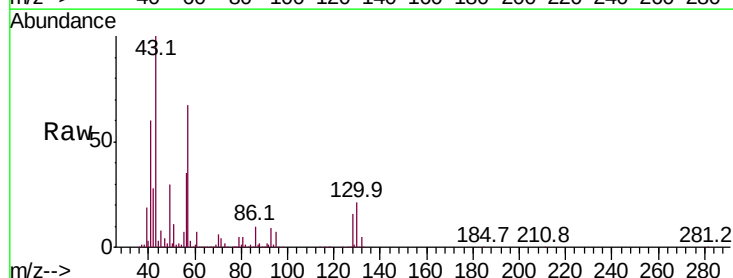
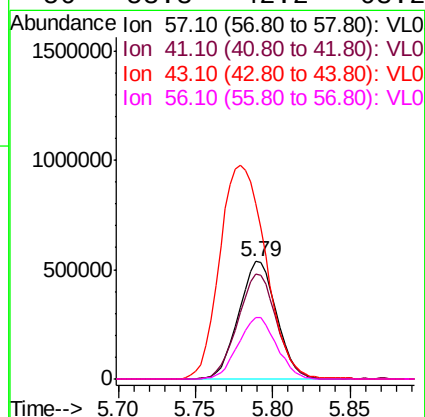
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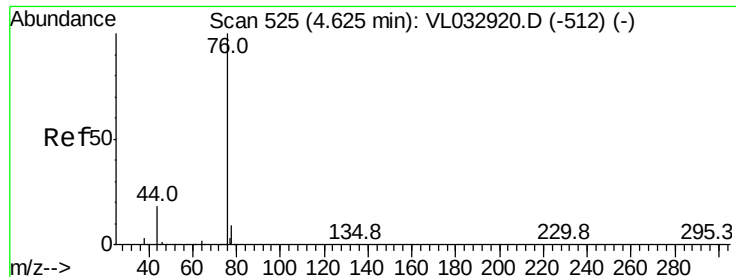
MMDadoda
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#26
Hexane
Concen: 10.551 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.4	72.2	108.2	
43	220.2	171.9	257.9	
56	53.3	42.2	63.2	





#27

Carbon Disulfide

Concen: 12.353 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1340668

Ion Ratio Lower Upper

76 100

44 18.4 14.7 22.1

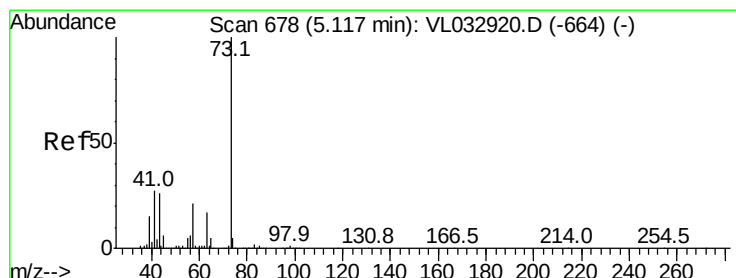
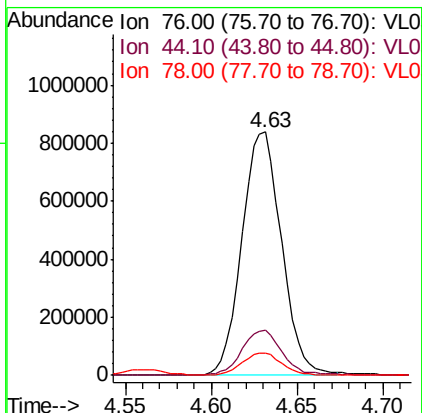
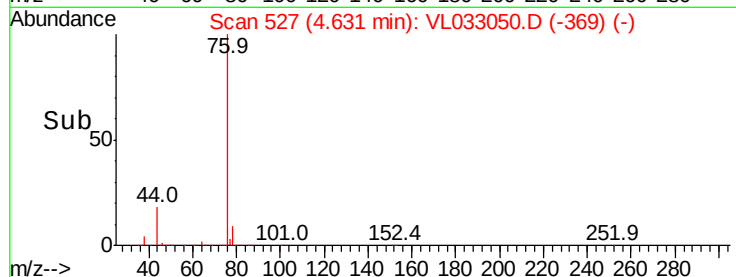
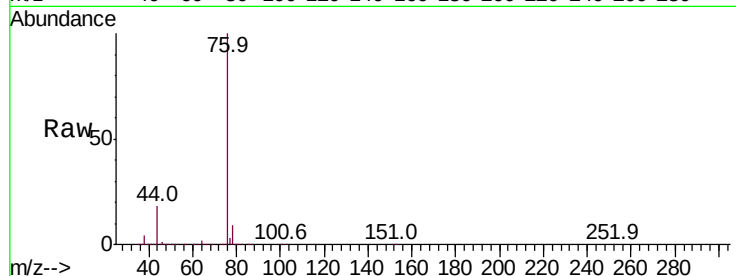
78 9.4 7.4 11.2

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#28

Methyl tert-Butyl Ether

Concen: 12.041 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.01 min

Lab File: VL033050.D

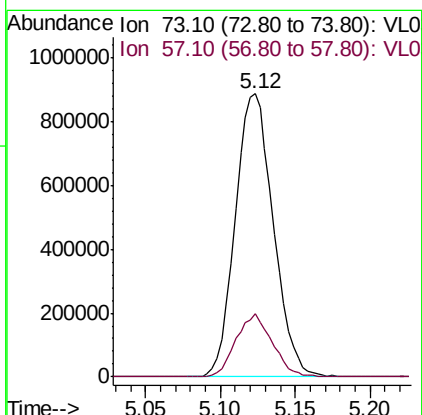
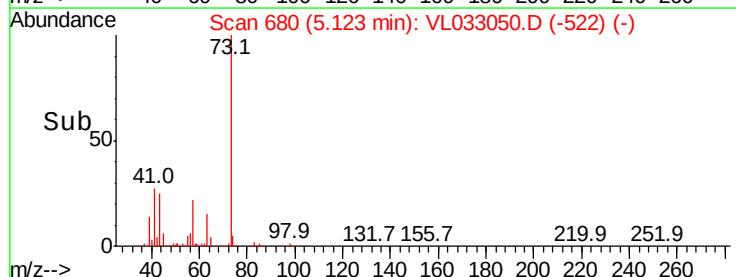
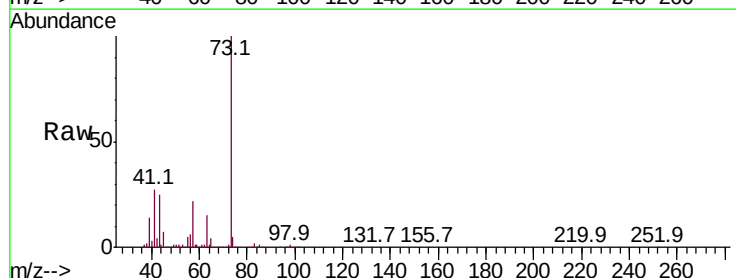
Acq: 21 Dec 2018 11:49

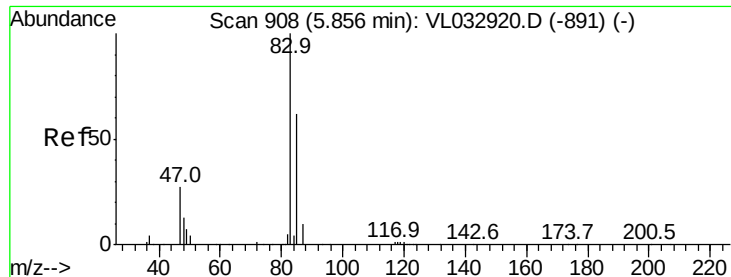
Tgt Ion: 73 Resp: 1569762

Ion Ratio Lower Upper

73 100

57 21.4 17.4 26.0





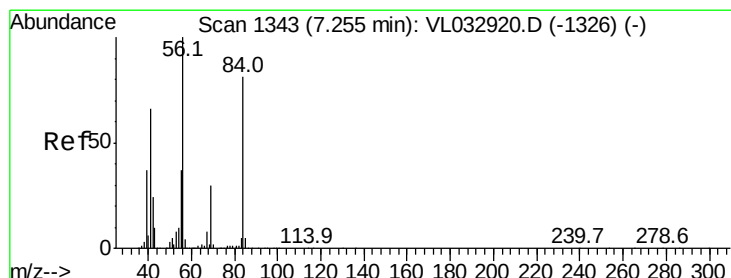
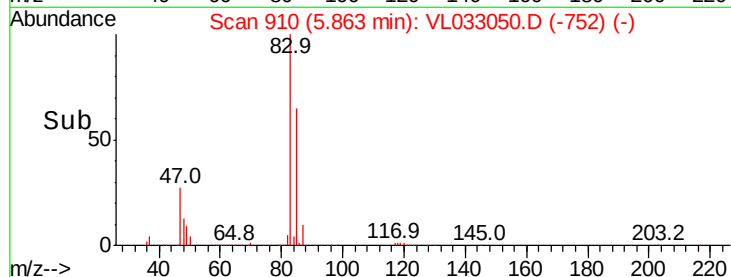
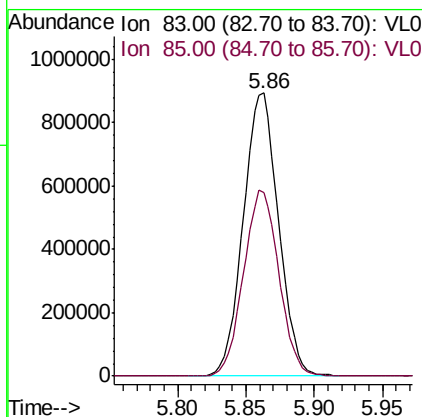
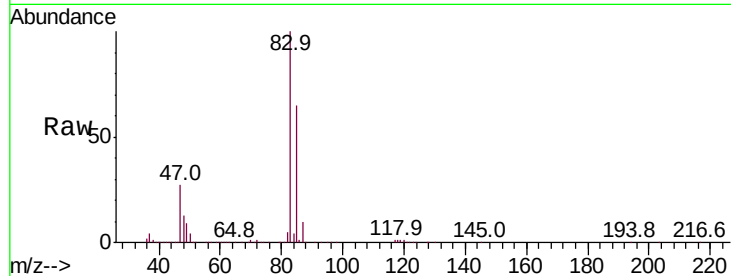
#29
Chloroform
Concen: 10.362 ppbv
RT: 5.86 min Scan# 910
Delta R.T. 0.01 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1604885
Ion Ratio Lower Upper
83 100
85 64.9 49.8 74.8

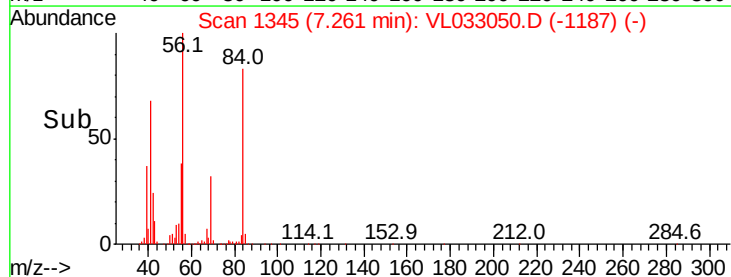
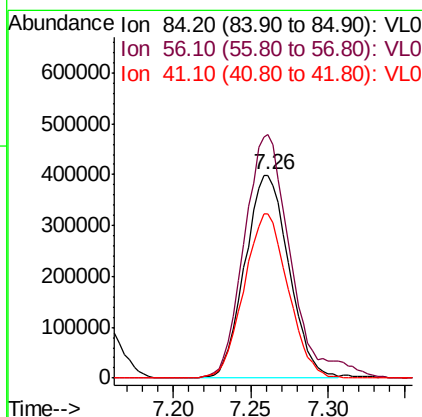
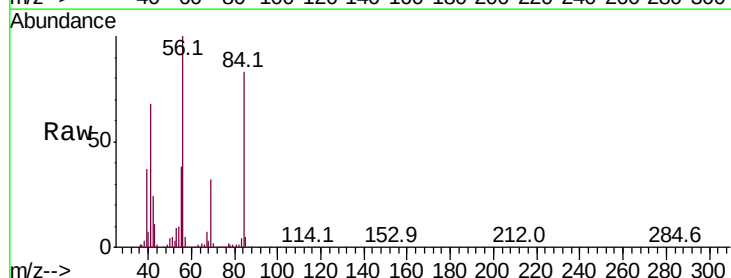
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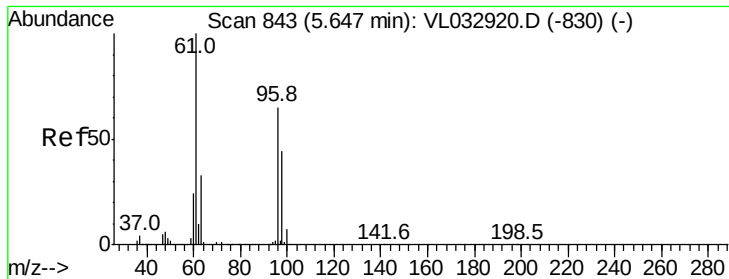
MMDadoda
12/24/2018 8:26:36 AM



#30
Cyclohexane
Concen: 10.990 ppbv
RT: 7.26 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Tgt Ion: 84 Resp: 790652
Ion Ratio Lower Upper
84 100
56 126.7 102.5 153.7
41 80.9 64.1 96.1





#31

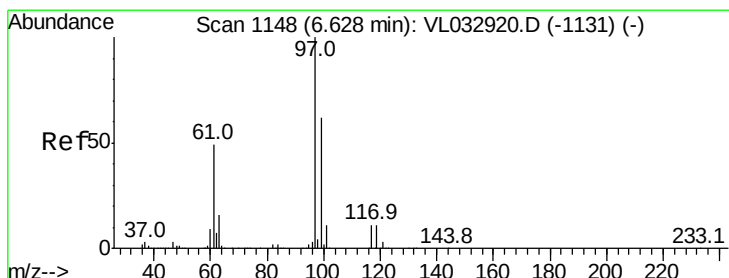
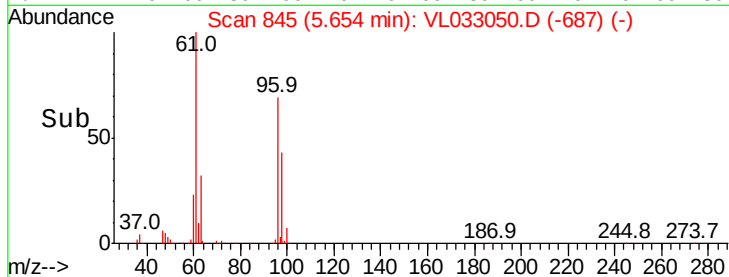
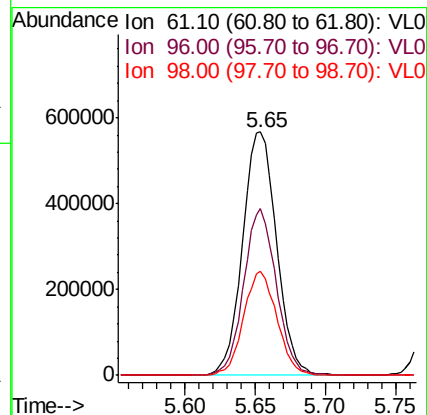
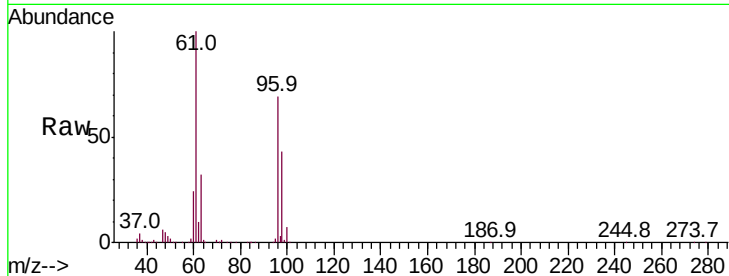
cis-1,2-Dichloroethene
 Concen: 12.072 ppbv
 RT: 5.65 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.6	51.9	77.9
98	42.9	35.0	52.4

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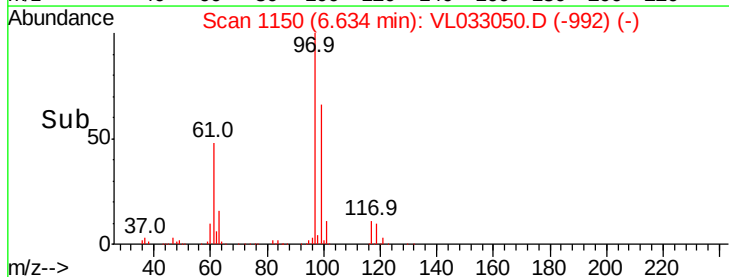
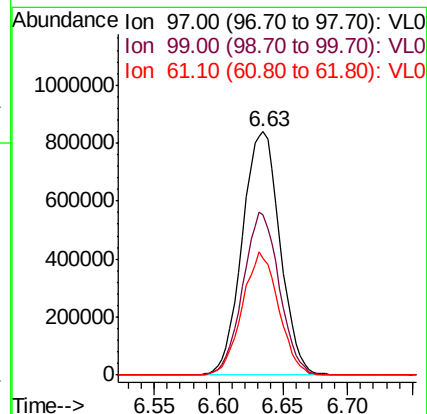
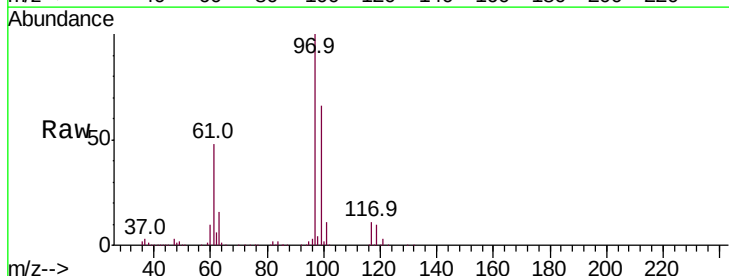
MMDadoda
 12/24/2018 8:26:36 AM

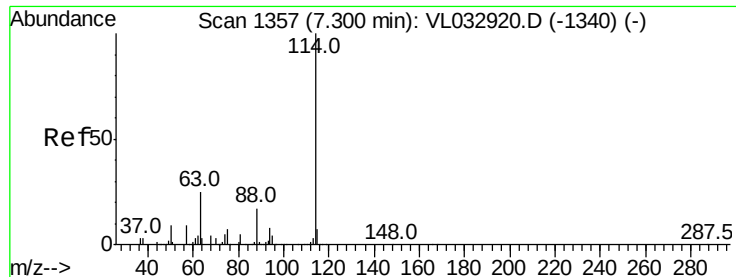


#32

1,1,1-Trichloroethane
 Concen: 10.433 ppbv
 RT: 6.63 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	48.9	39.3	58.9





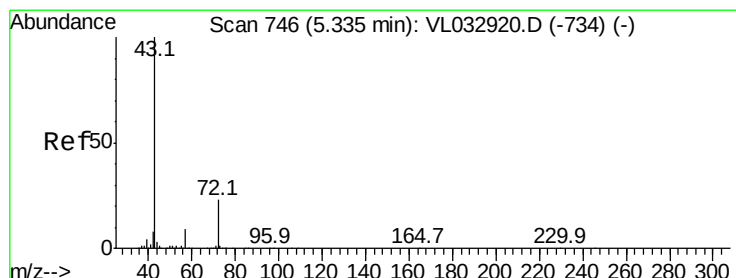
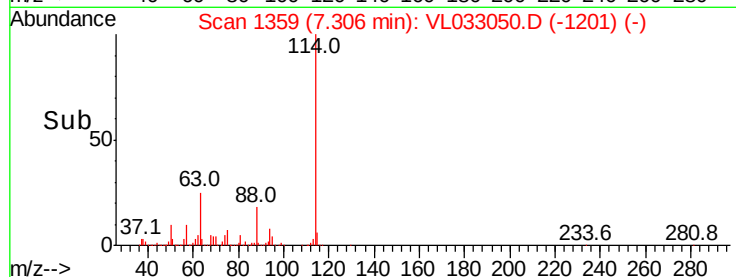
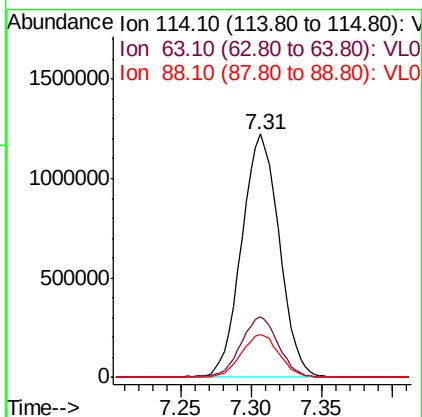
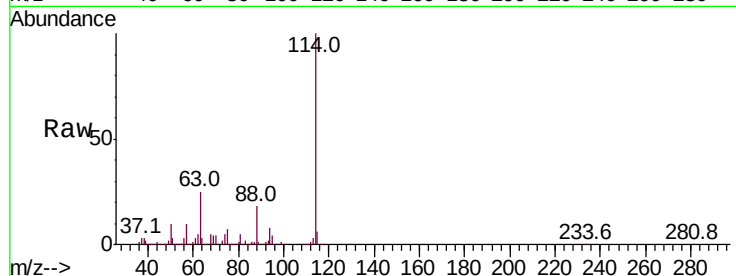
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.1	30.1
88	17.7	14.2	21.4

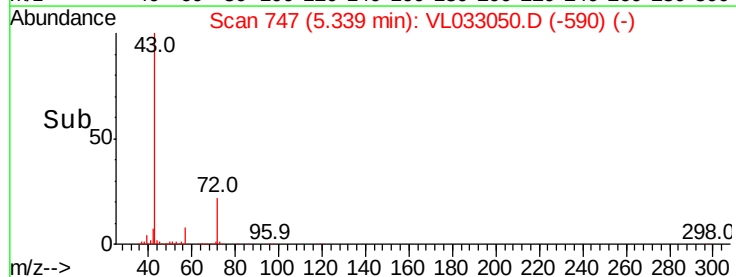
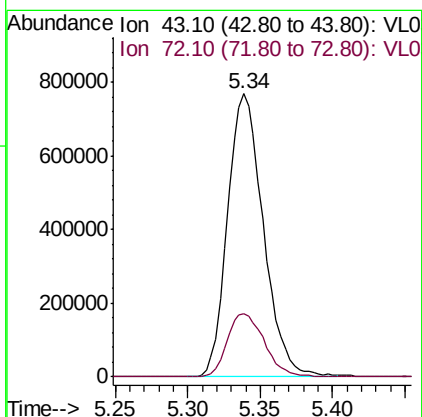
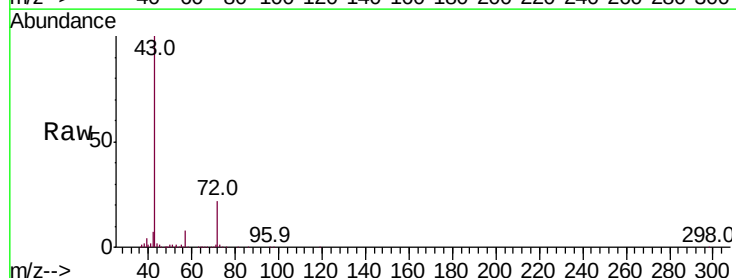
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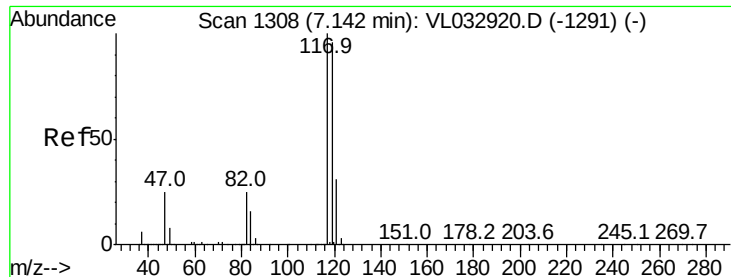
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#34
 2-Butanone
 Concen: 13.122 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.8	28.2





#35

Carbon Tetrachloride

Concen: 10.174 ppbv

RT: 7.15 min Scan# 1310

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1833563

Ion Ratio Lower Upper

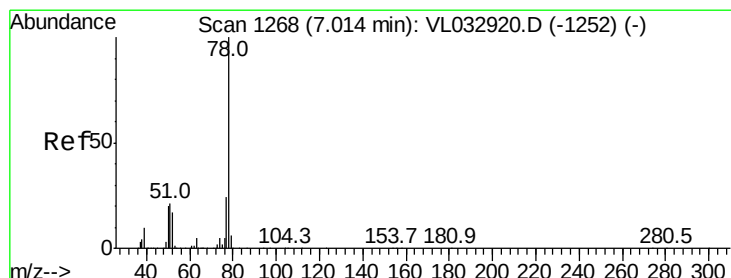
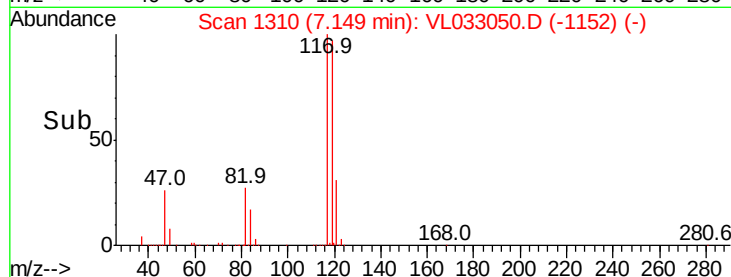
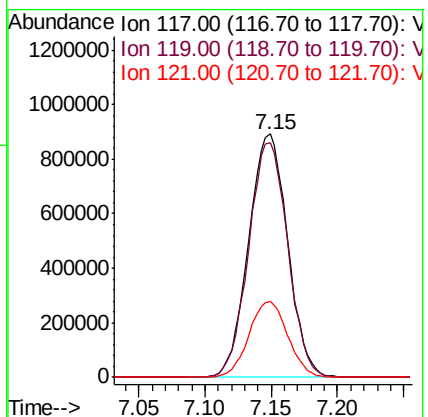
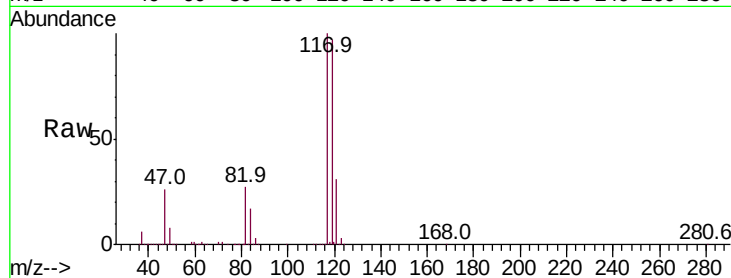
117 100

119 96.5 76.5 114.7

121 31.2 24.5 36.7

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#36

Benzene

Concen: 11.015 ppbv

RT: 7.02 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

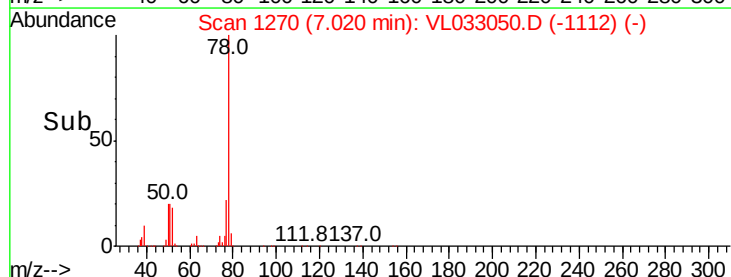
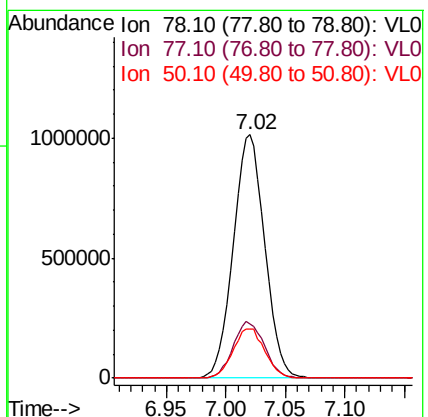
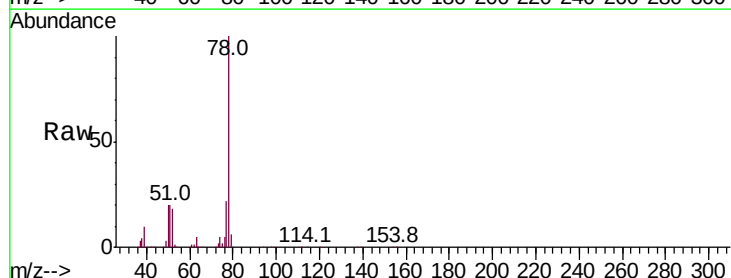
Tgt Ion: 78 Resp: 1857660

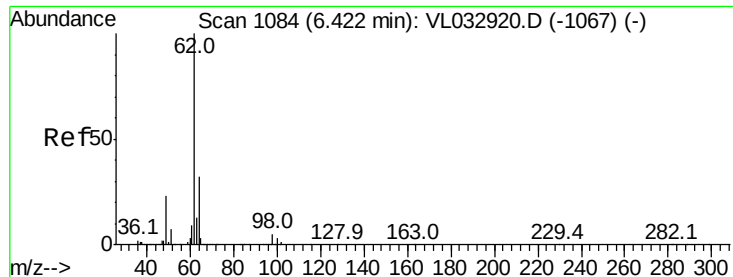
Ion Ratio Lower Upper

78 100

77 22.4 18.9 28.3

50 20.3 16.1 24.1





#37

1,2-Dichloroethane

Concen: 11.055 ppbv

RT: 6.43 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1269338

Ion Ratio Lower Upper

62 100

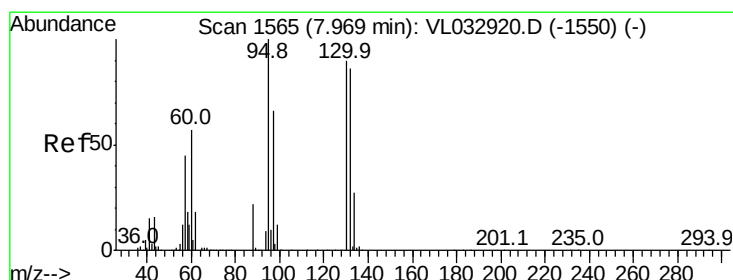
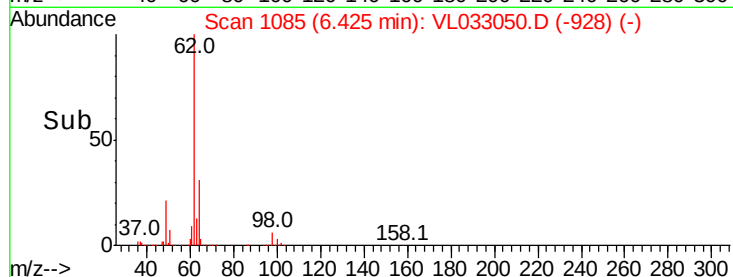
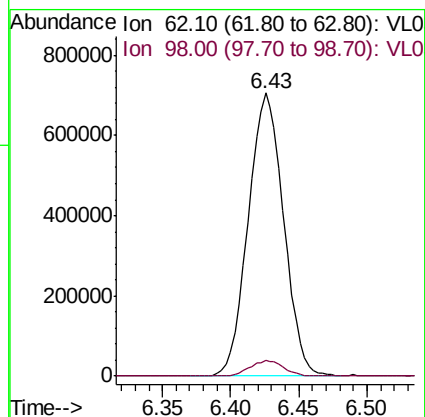
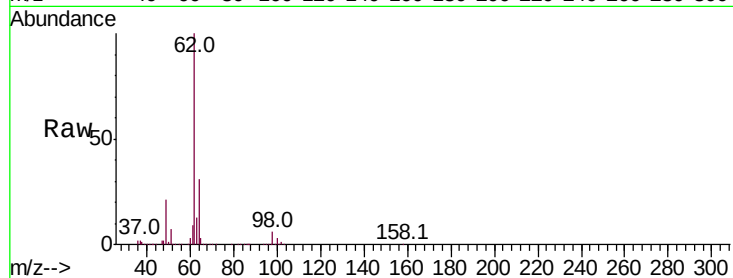
98 5.4 4.3 6.5

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#38

Trichloroethene

Concen: 11.406 ppbv

RT: 7.98 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tgt Ion:130 Resp: 800548

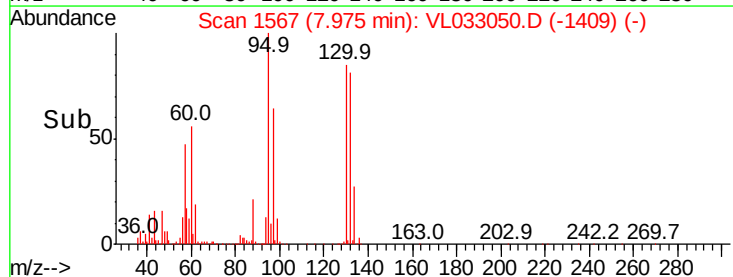
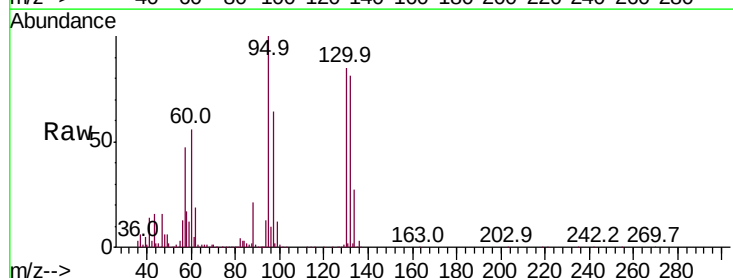
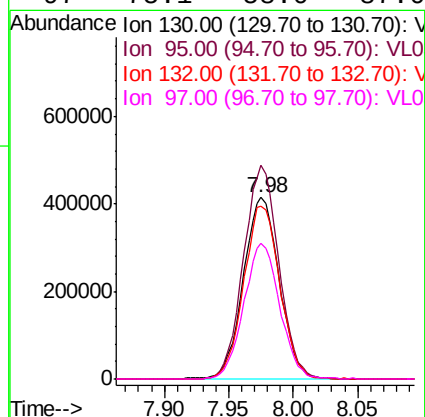
Ion Ratio Lower Upper

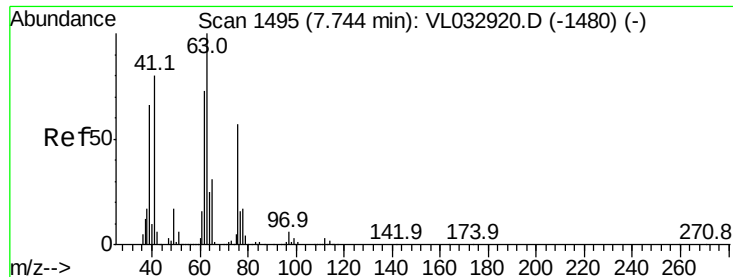
130 100

95 117.7 88.6 132.8

132 95.3 76.1 114.1

97 75.1 58.0 87.0





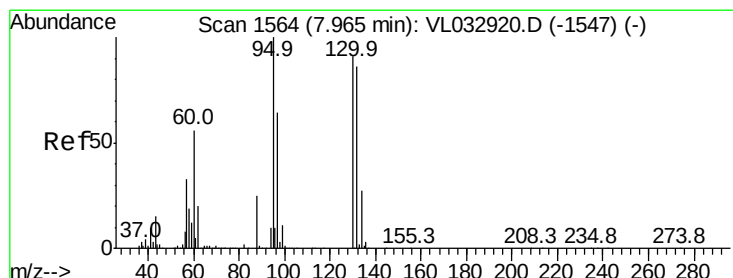
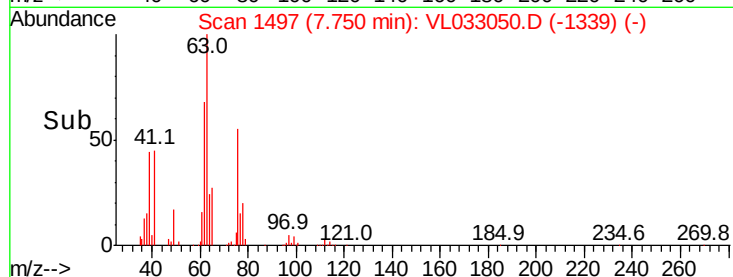
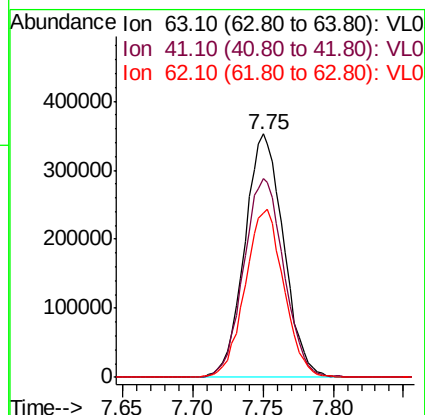
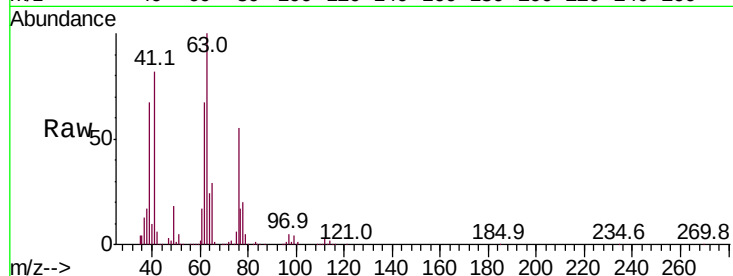
#39
 1,2-Dichloropropane
 Concen: 10.620 ppbv
 RT: 7.75 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	81.8	63.9	95.9
62	67.2	58.8	88.2

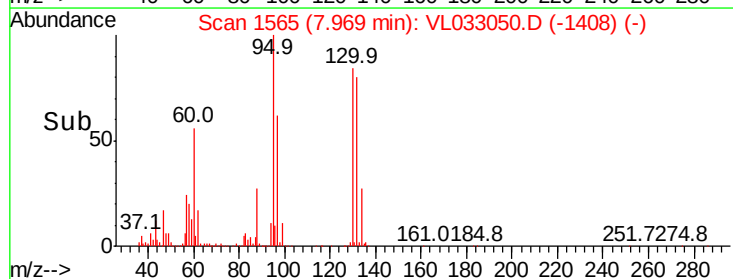
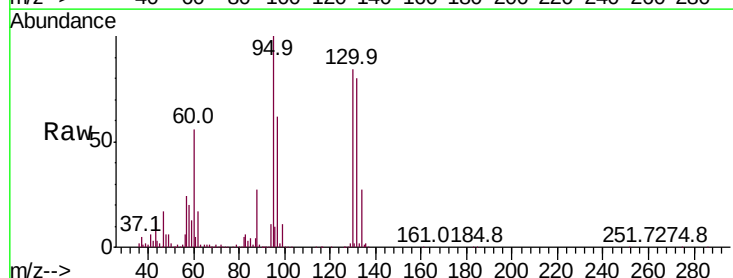
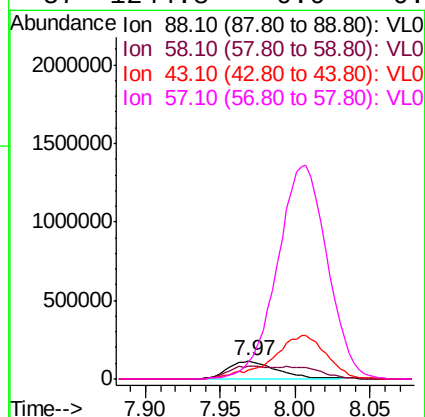
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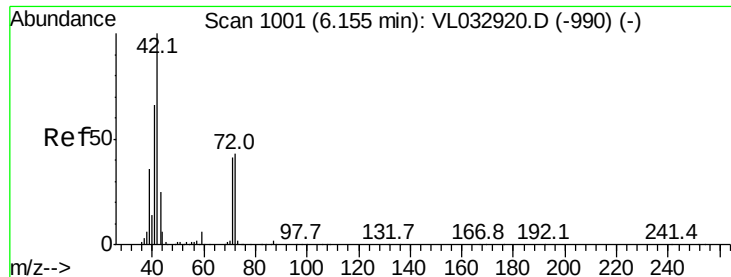
MMDadoda
 12/24/2018 8:26:36 AM



#40
 1,4-Dioxane
 Concen: 10.801 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	128.6	107.4	161.2
43	276.8	0.0	0.0#
57	1244.8	0.0	0.0#





#41

Tetrahydrofuran

Concen: 11.011 ppbv

RT: 6.16 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

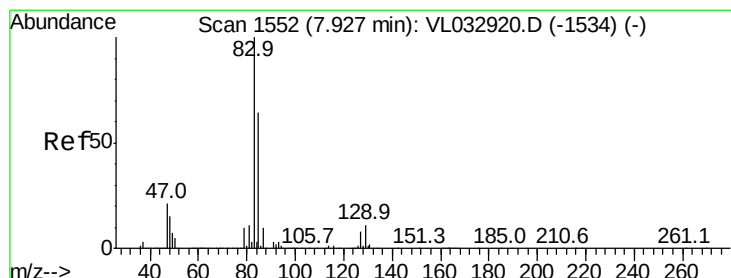
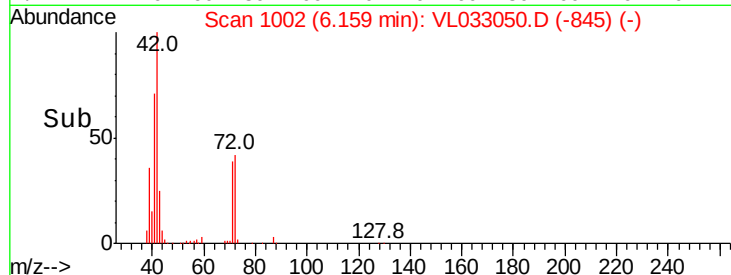
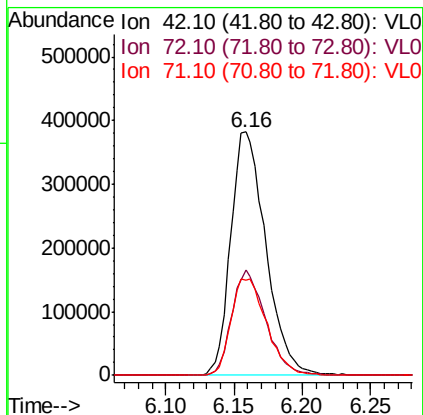
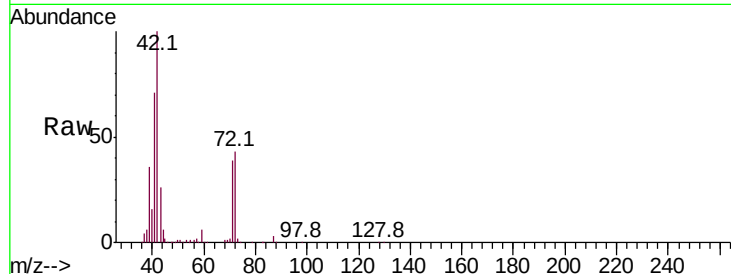
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.9	49.3
71	40.4	32.0	48.0

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#42

Bromodichloromethane

Concen: 10.990 ppbv

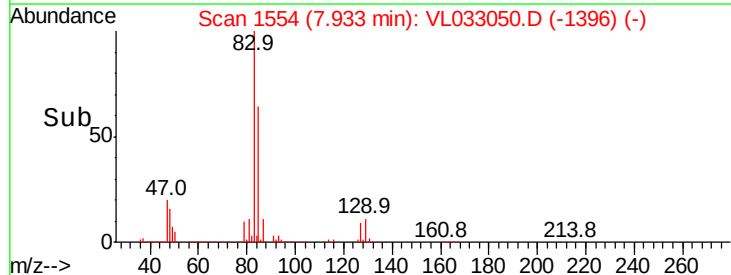
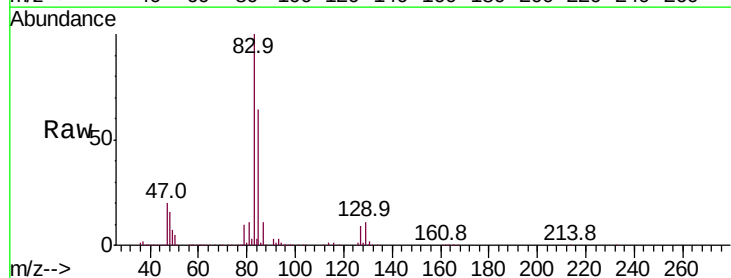
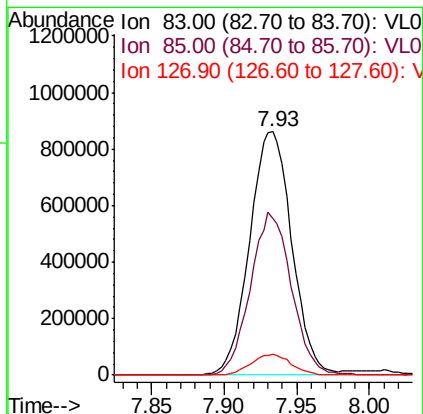
RT: 7.93 min Scan# 1554

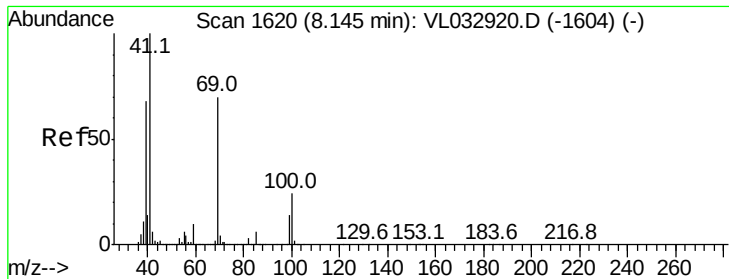
Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3
127	8.6	6.7	10.1





#43

Methyl Methacrylate

Concen: 12.246 ppbv

RT: 8.15 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

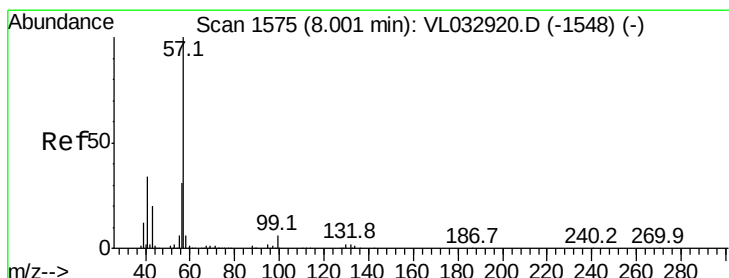
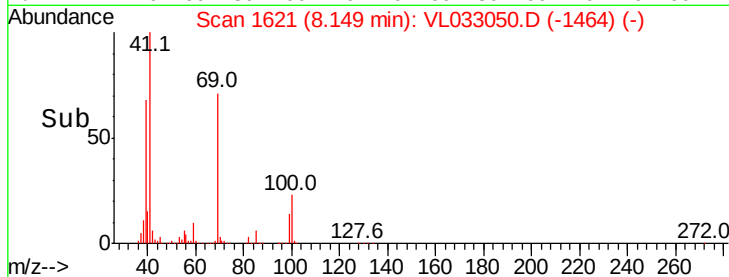
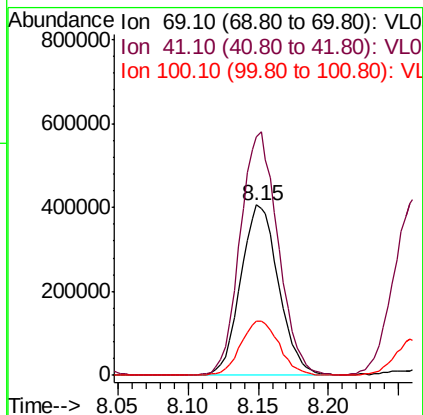
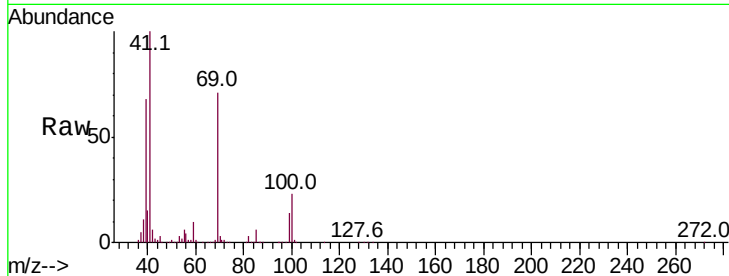
ClientSampleId :

VSTDCCC010EC

Tot Ion:	69	Resp:	765294
Ion Ratio	Lower	Upper	
69	100		
41	143.2	116.6	175.0
100	32.3	26.5	39.7

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#44

2,2,4-Trimethylpentane

Concen: 11.053 ppbv

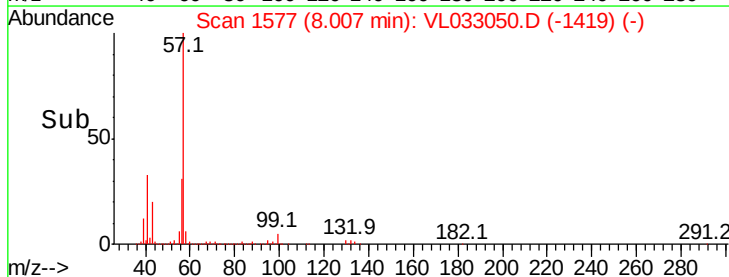
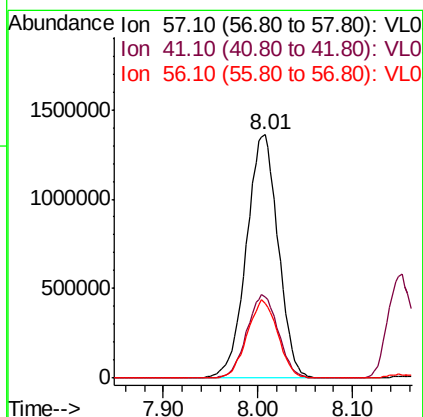
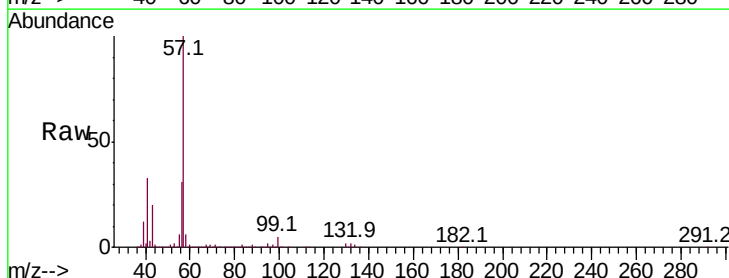
RT: 8.01 min Scan# 1577

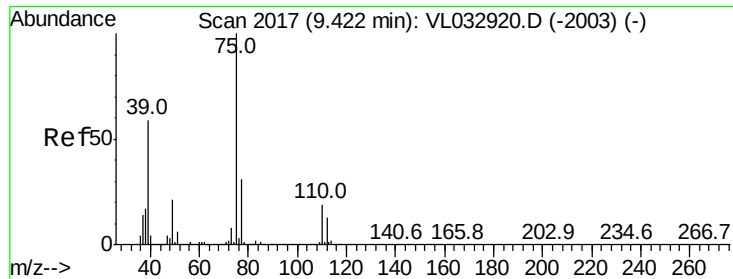
Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tgt Ion:	57	Resp:	3164301
Ion Ratio	Lower	Upper	
57	100		
41	33.9	27.0	40.4
56	31.0	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 13.683 ppbv

RT: 9.43 min Scan# 2019

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1048397

Ion Ratio Lower Upper

75 100

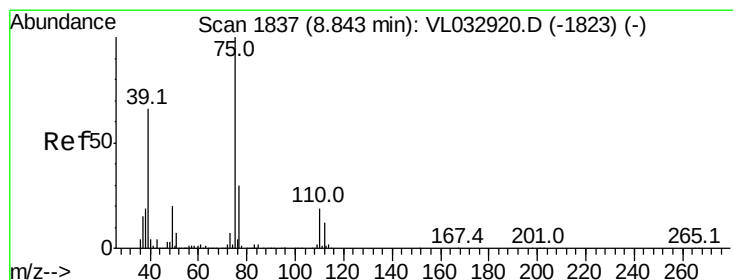
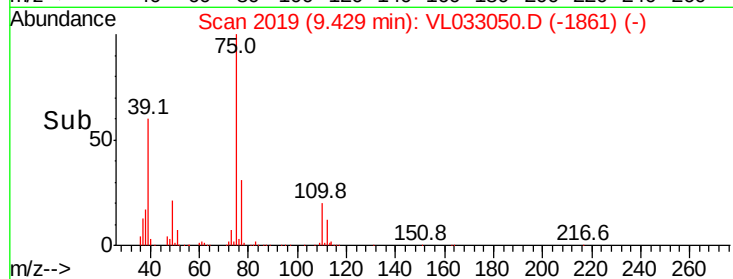
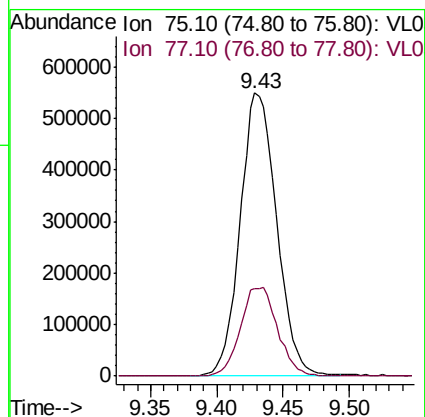
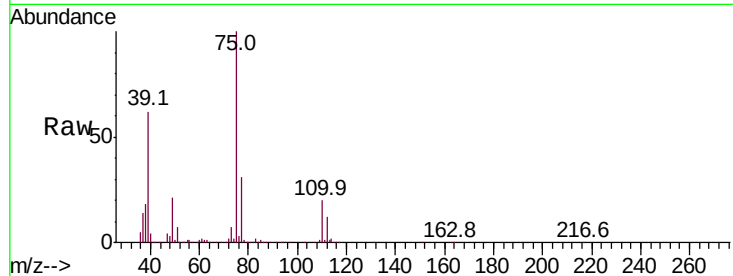
77 31.1 24.8 37.2

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#46

cis-1,3-Dichloropropene

Concen: 12.764 ppbv

RT: 8.85 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

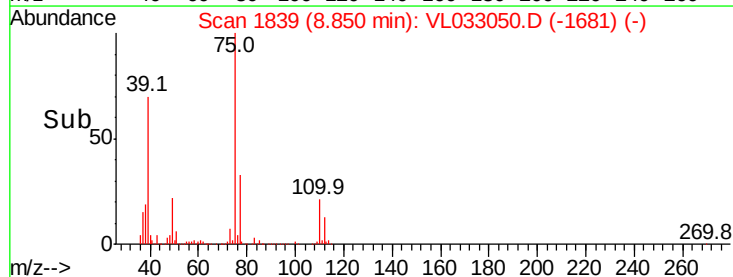
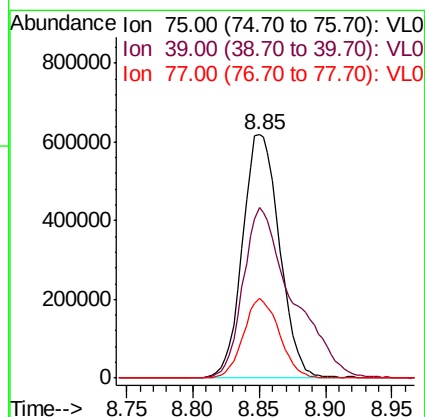
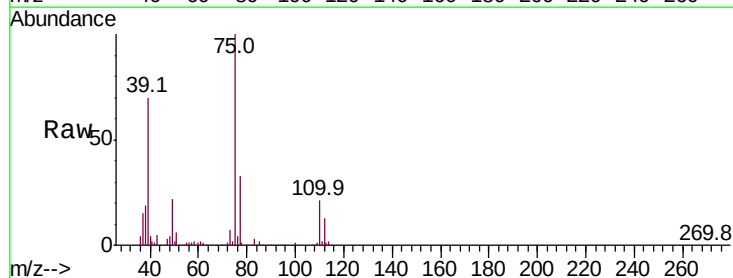
Tgt Ion: 75 Resp: 1197011

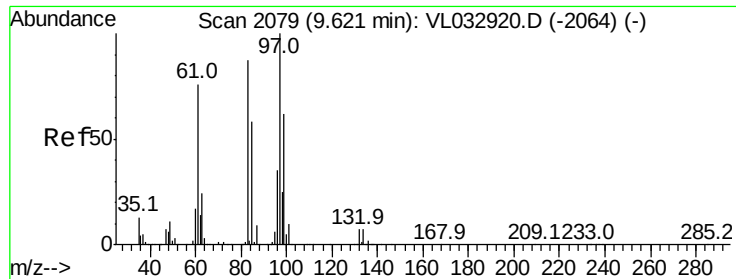
Ion Ratio Lower Upper

75 100

39 70.2 52.8 79.2

77 32.8 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 11.313 ppbv

RT: 9.63 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

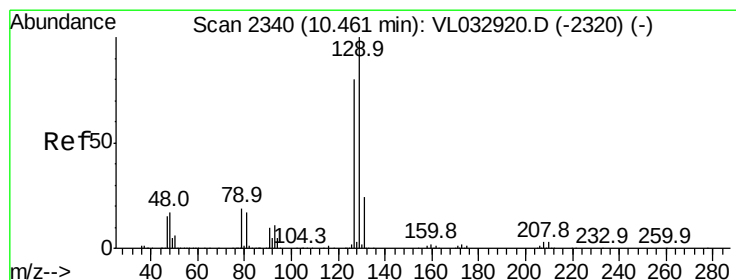
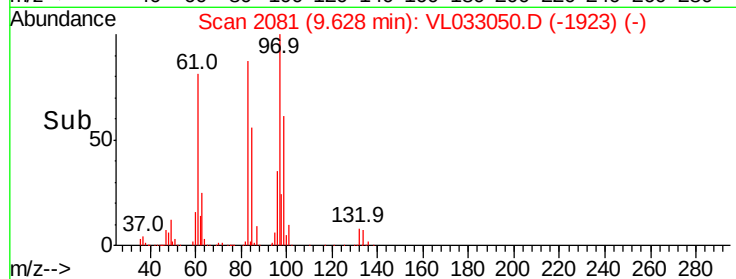
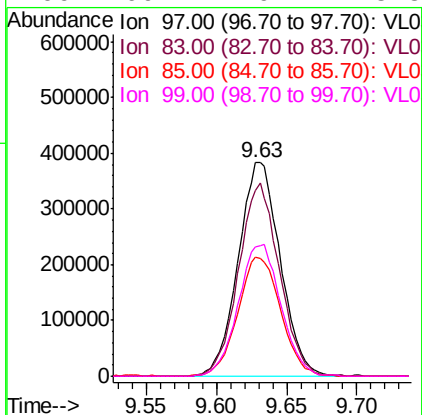
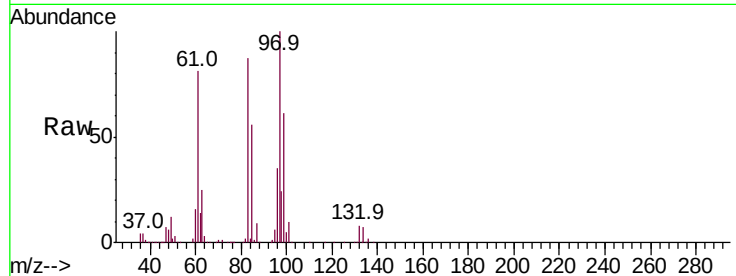
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.6	69.8	104.8	
85	55.6	46.7	70.1	
99	60.7	49.2	73.8	

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#48

Dibromochloromethane

Concen: 11.278 ppbv

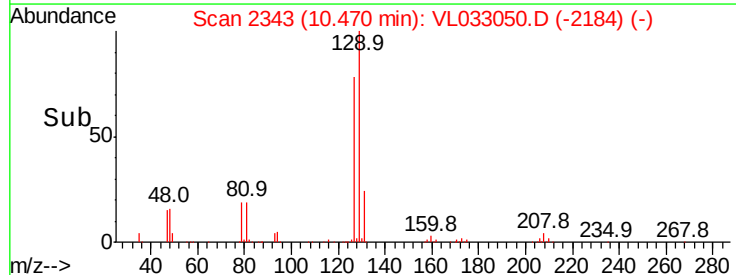
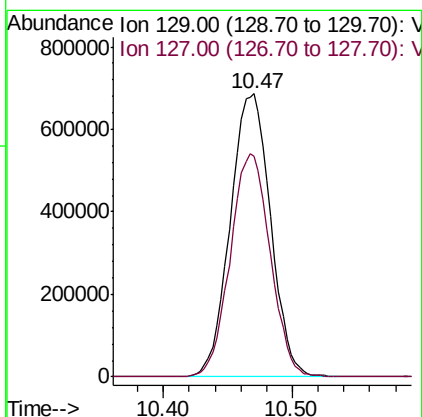
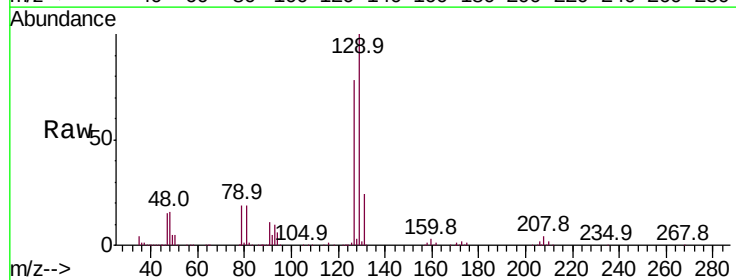
RT: 10.47 min Scan# 2343

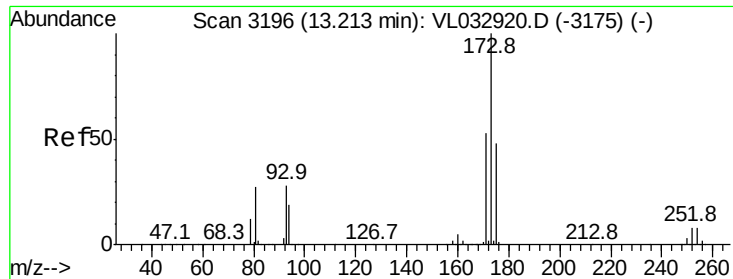
Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	39.3	117.8	





#49

Bromoform

Concen: 11.858 ppbv

RT: 13.22 min Scan# 3198

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1288086

Ion Ratio Lower Upper

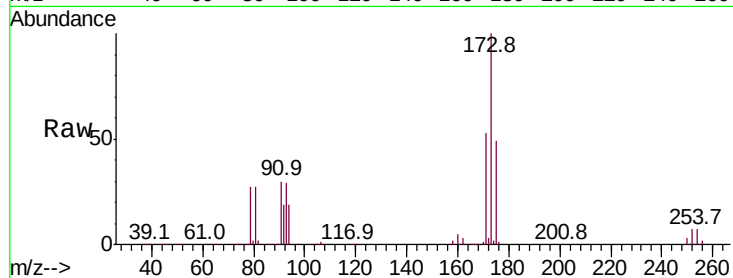
173 100

175 49.1 39.0 58.4

171 52.3 41.5 62.3

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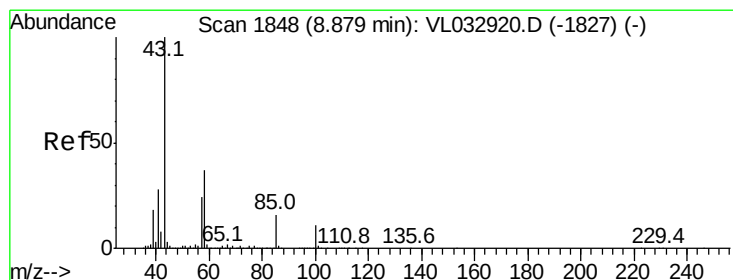
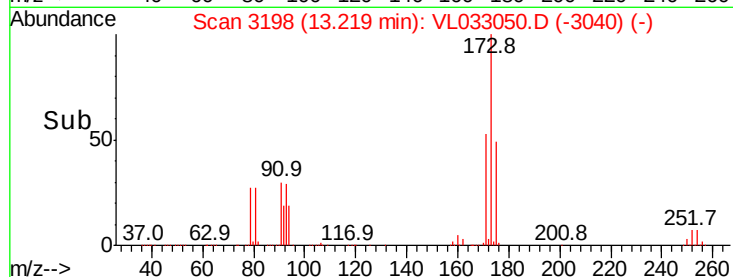
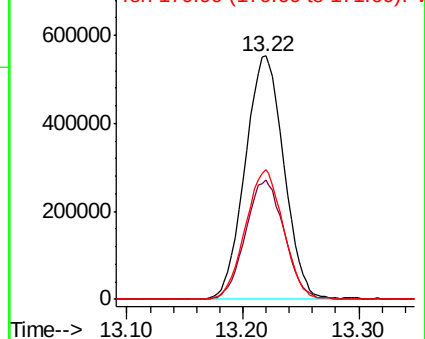
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.383 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VL033050.D

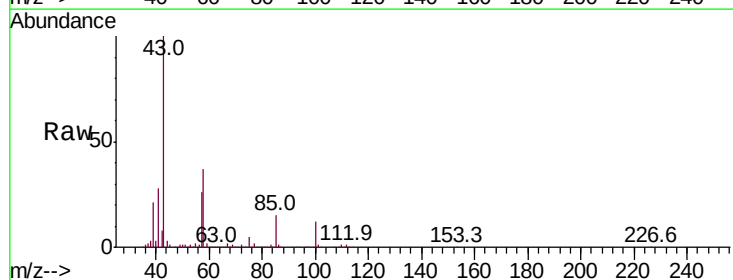
Acq: 21 Dec 2018 11:49

Tgt Ion: 43 Resp: 1818089

Ion Ratio Lower Upper

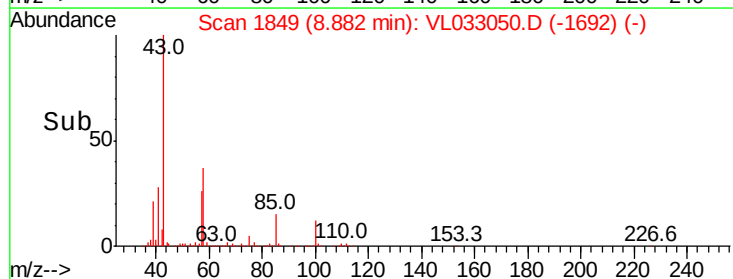
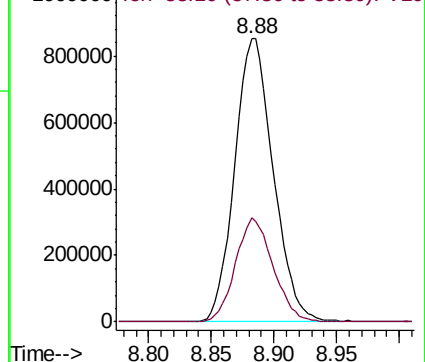
43 100

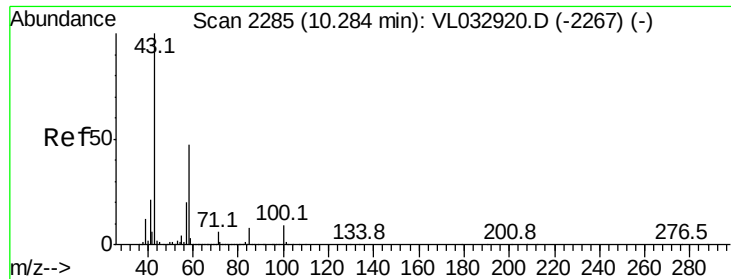
58 35.9 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





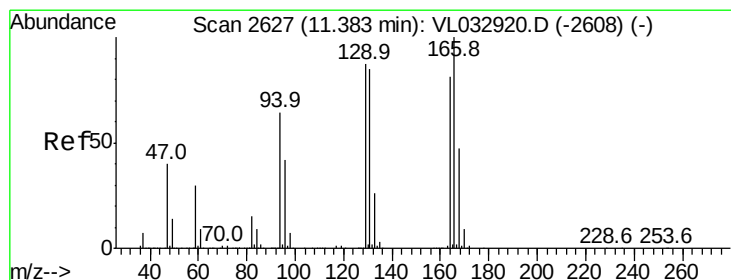
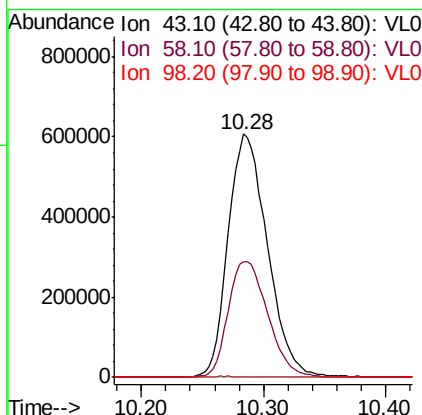
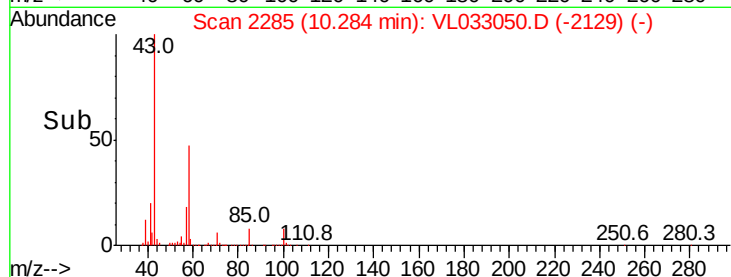
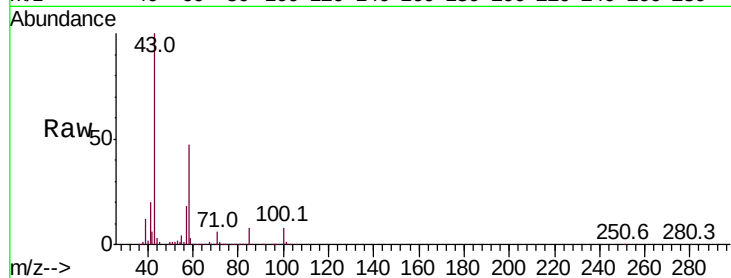
#51
2-Hexanone
Concen: 12.541 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1358335
Ion Ratio Lower Upper
43 100
58 48.3 38.1 57.1
98 0.5 0.4 0.6

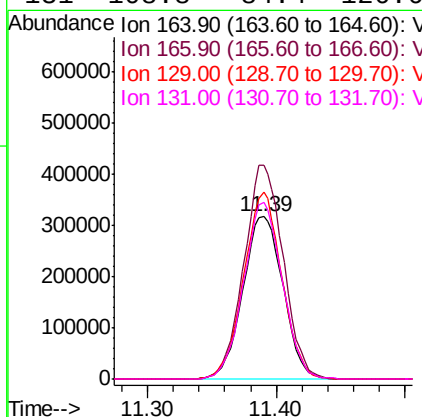
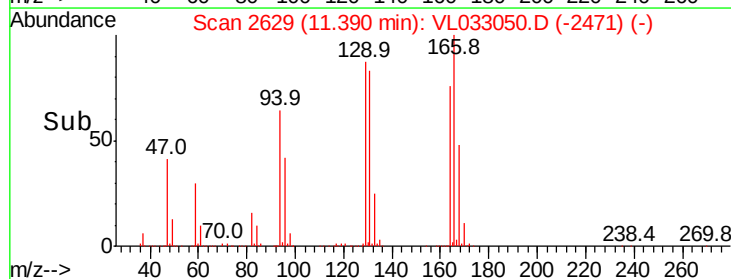
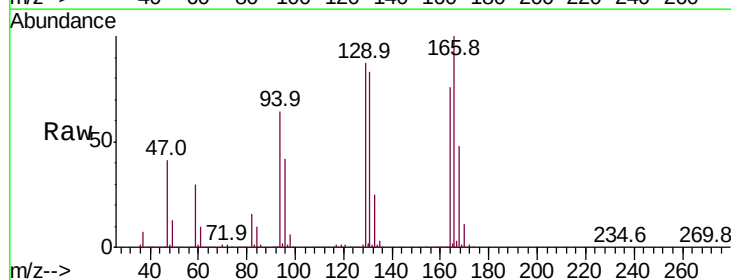
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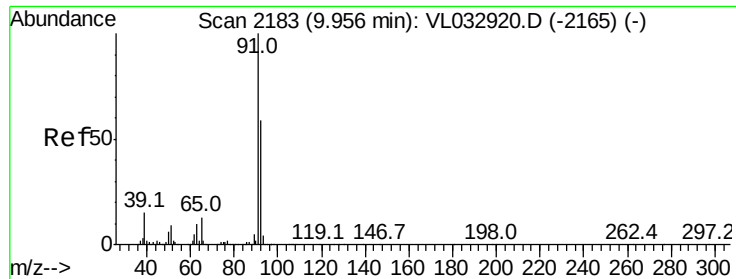
MMDadoda
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#52
Tetrachloroethene
Concen: 11.223 ppbv
RT: 11.39 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Tgt Ion: 164 Resp: 688502
Ion Ratio Lower Upper
164 100
166 131.6 98.8 148.2
129 114.9 85.5 128.3
131 108.8 84.4 126.6





#53

Toluene

Concen: 12.401 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2218173

Ion Ratio Lower Upper

91 100

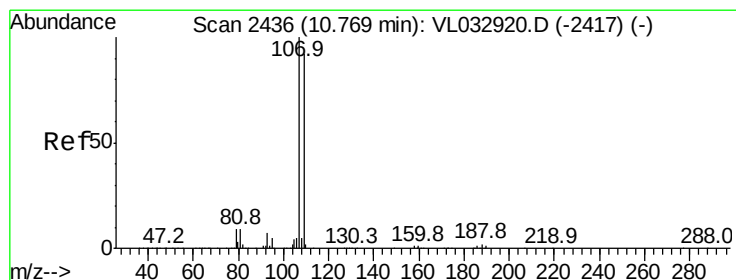
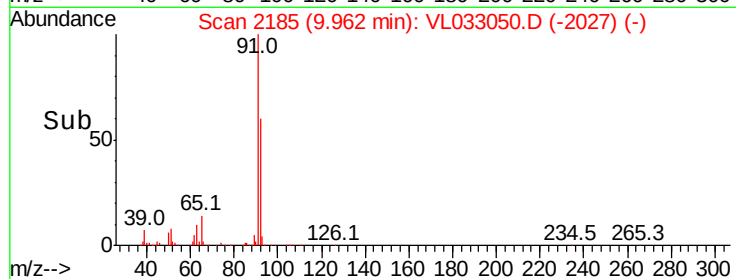
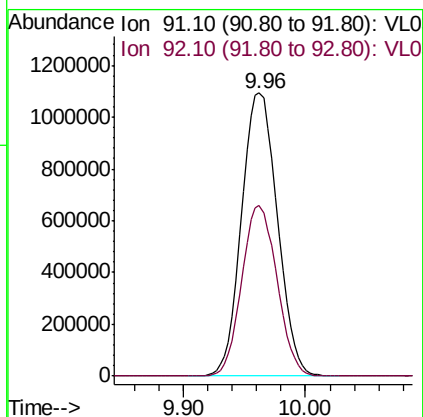
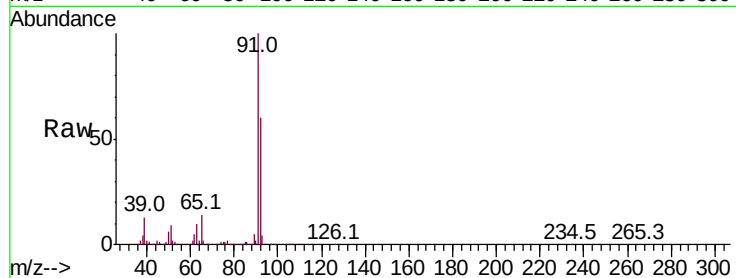
92 59.3 47.4 71.0

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 11.432 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. 0.01 min

Lab File: VL033050.D

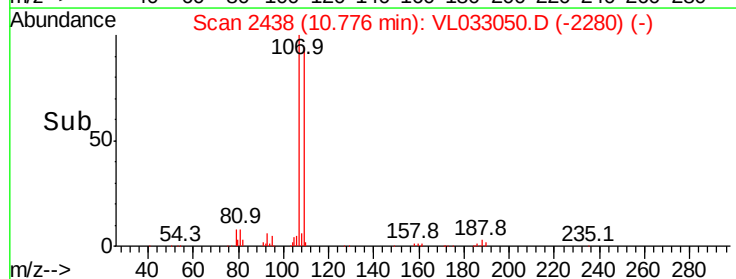
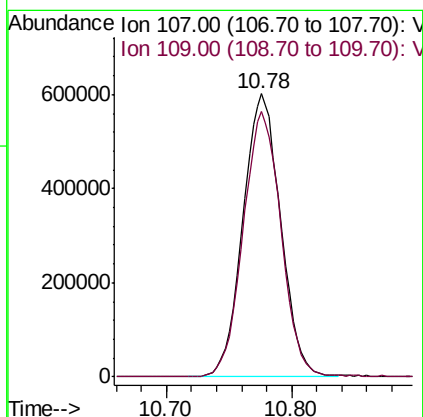
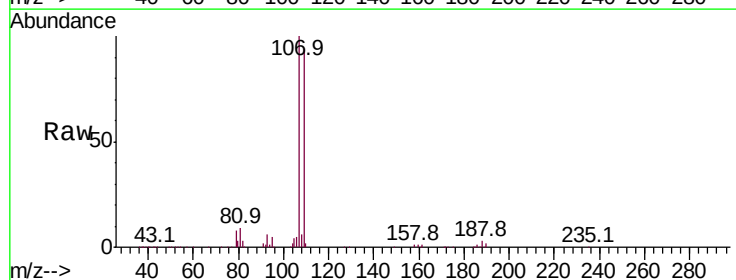
Acq: 21 Dec 2018 11:49

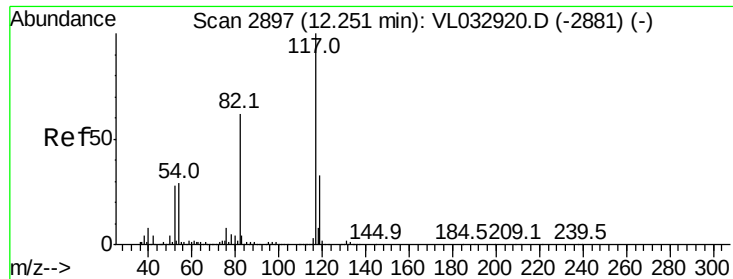
Tgt Ion: 107 Resp: 1257259

Ion Ratio Lower Upper

107 100

109 93.9 73.4 110.2





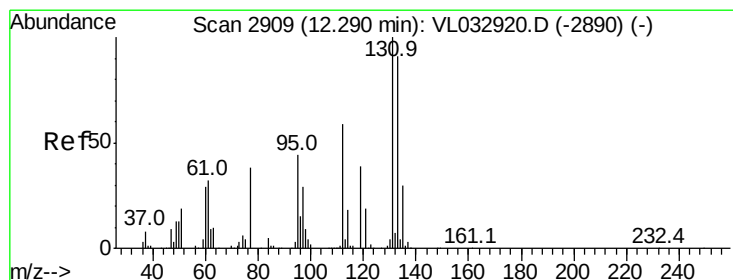
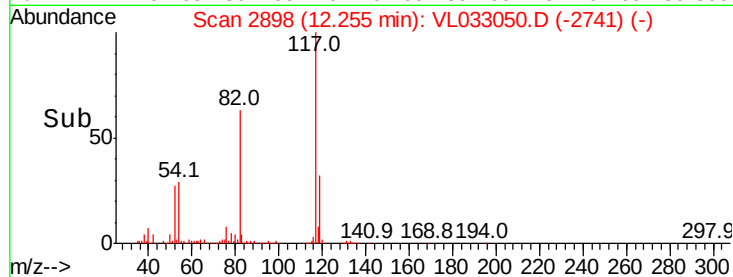
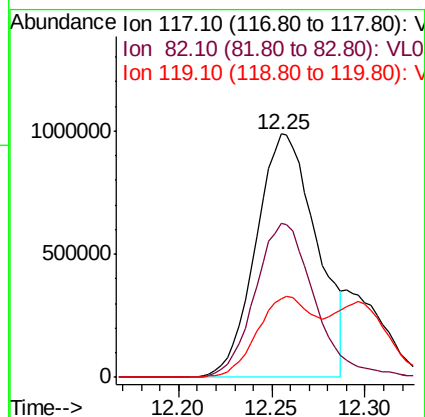
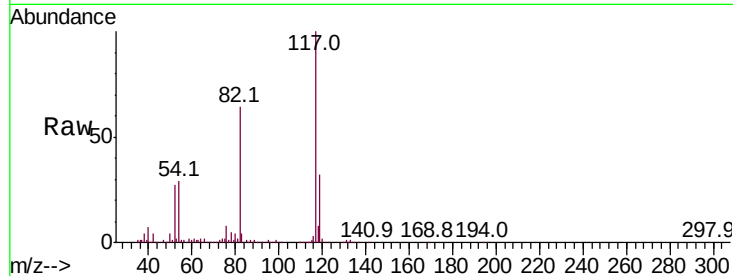
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2244802
Ion Ratio Lower Upper
117 100
82 62.4 47.8 71.8
119 29.5 43.1 64.7#

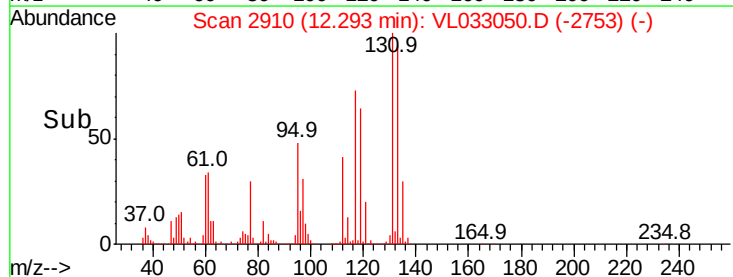
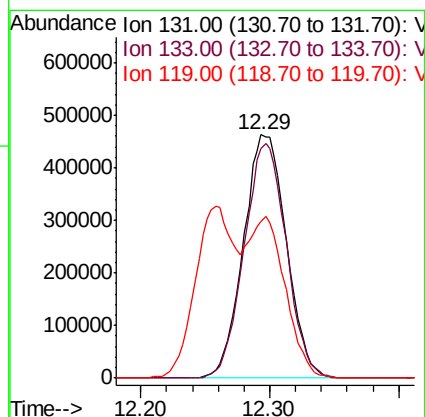
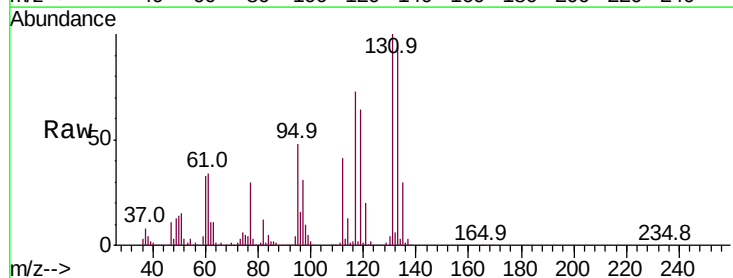
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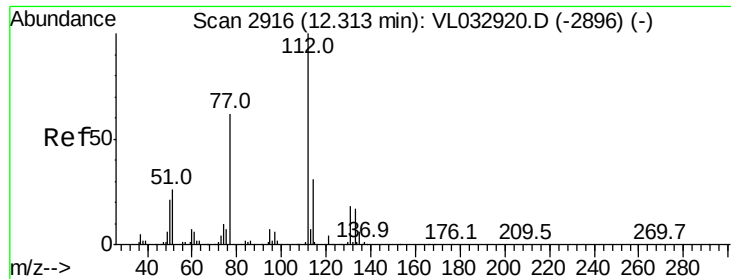
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.733 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Tgt Ion:131 Resp: 1074125
Ion Ratio Lower Upper
131 100
133 94.9 75.1 112.7
119 63.3 47.5 71.3





#57

Chlorobenzene

Concen: 10.606 ppbv

RT: 12.32 min Scan# 2918

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

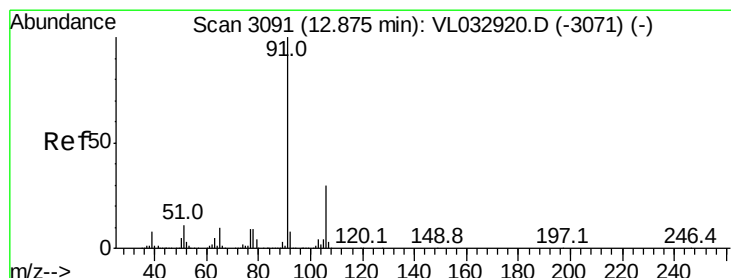
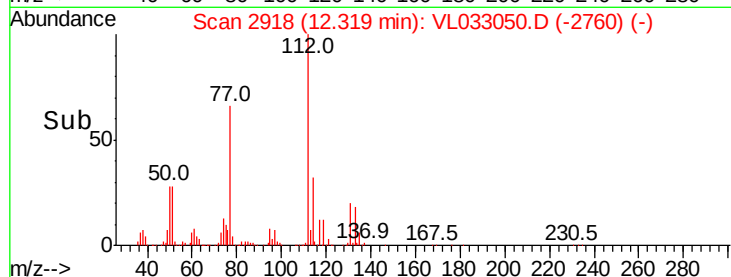
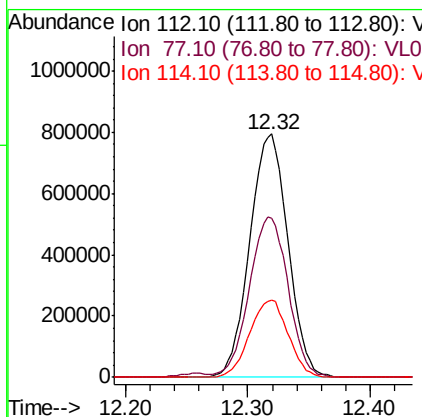
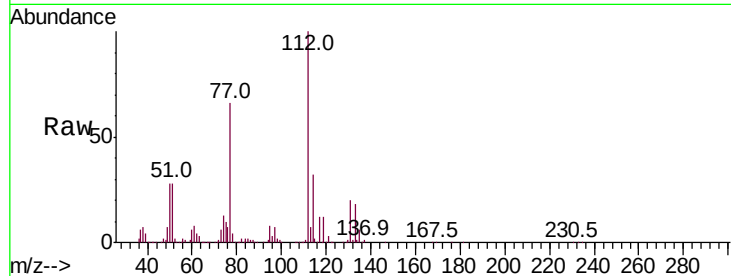
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	65.2	51.1	76.7
114	31.7	28.4	34.7

Manual Integrations
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#58

Ethyl Benzene

Concen: 12.731 ppbv

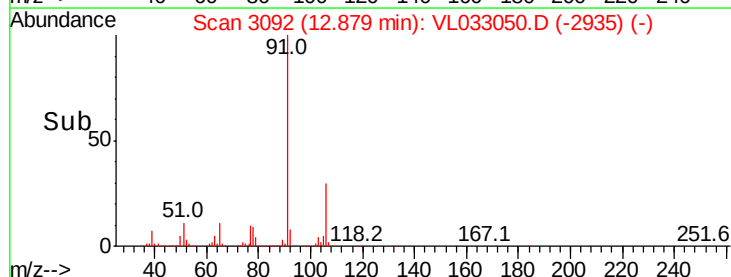
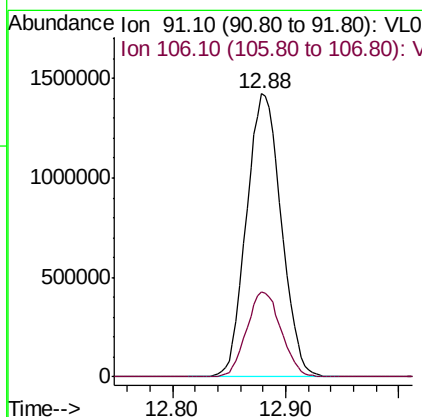
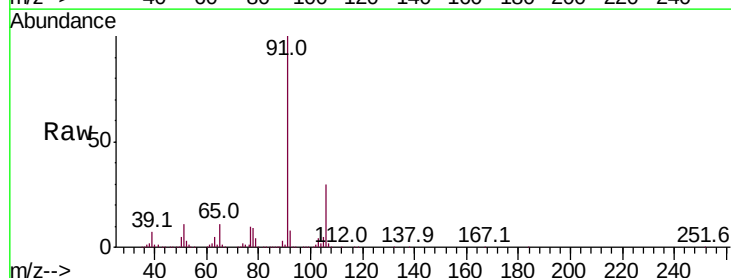
RT: 12.88 min Scan# 3092

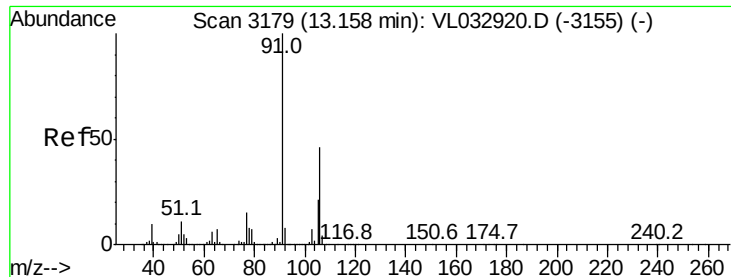
Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9





#59

m/p-Xylene

Concen: 24.232 ppbv m

RT: 13.14 min Scan# 3173

Delta R.T. -0.02 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 5261025

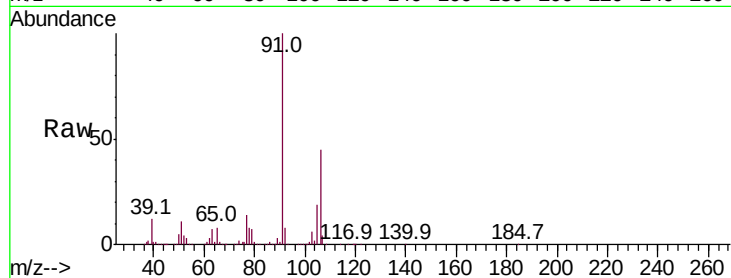
Ion Ratio Lower Upper

91 100

106 44.7 0.0 0.0#

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.14

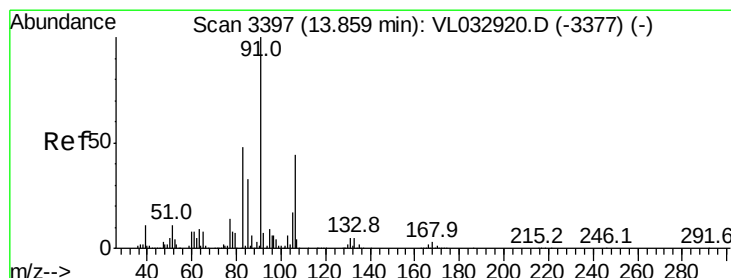
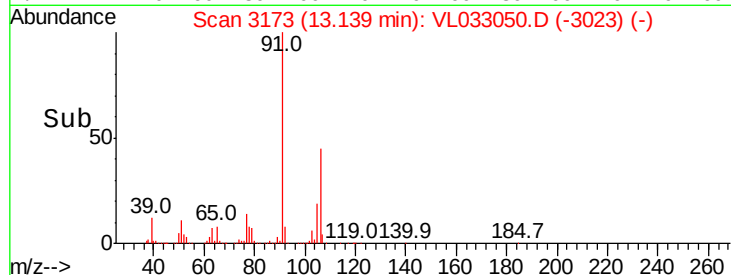
1500000

1000000

500000

0

Time-->



#60

o-Xylene

Concen: 11.771 ppbv

RT: 13.87 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VL033050.D

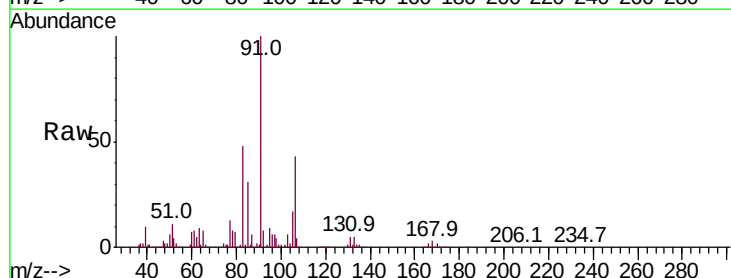
Acq: 21 Dec 2018 11:49

Tgt Ion: 91 Resp: 2580807

Ion Ratio Lower Upper

91 100

106 43.3 21.9 65.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

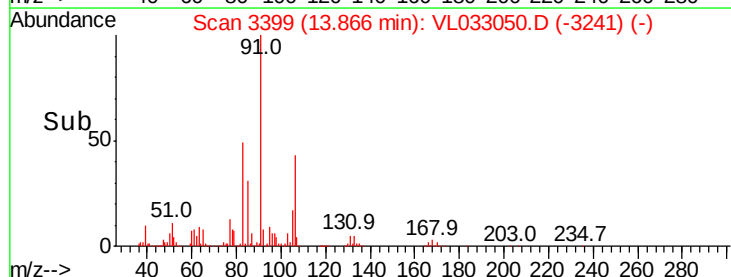
13.87

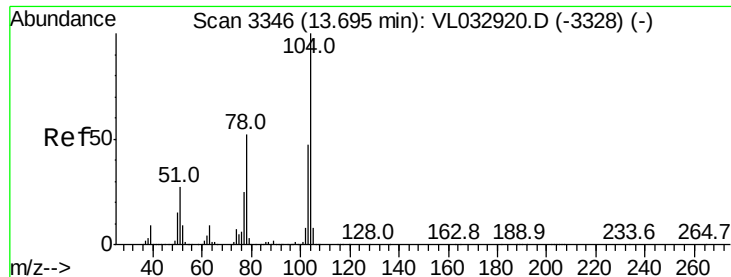
1000000

500000

0

Time-->





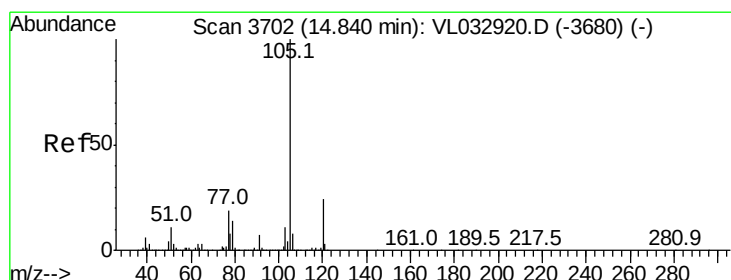
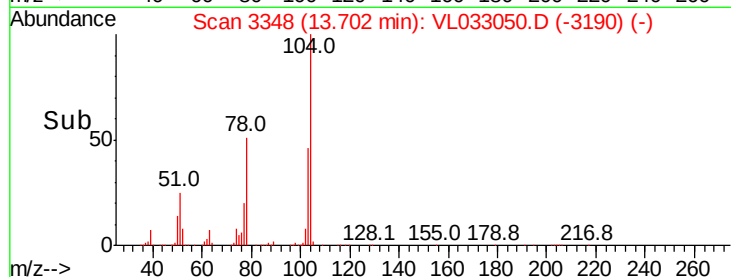
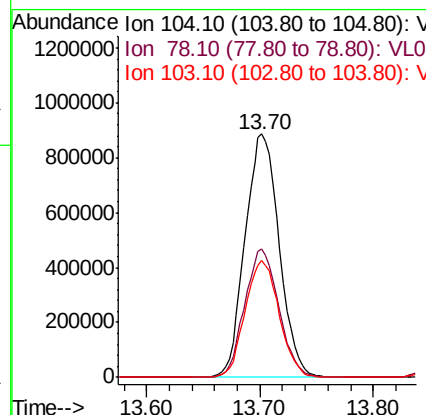
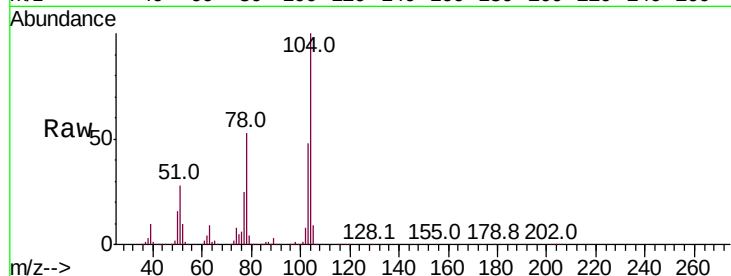
#61
Stvrene
Concen: 12.775 ppbv
RT: 13.70 min Scan# 3348
Delta R.T. 0.01 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.0	63.0
103	48.0	38.3	57.5

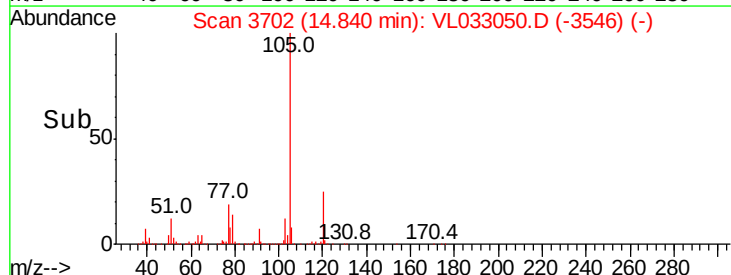
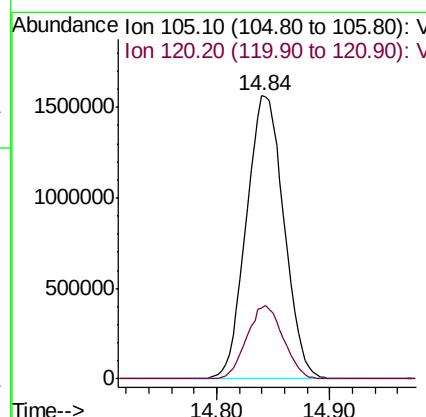
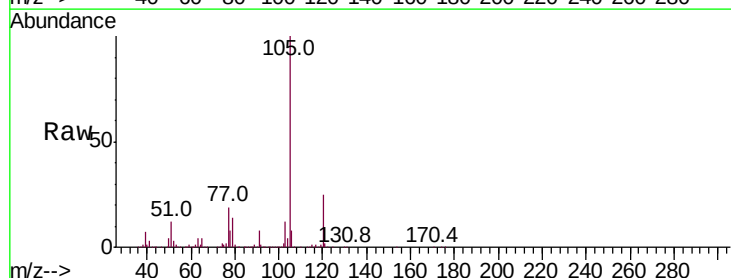
Manual Integrations
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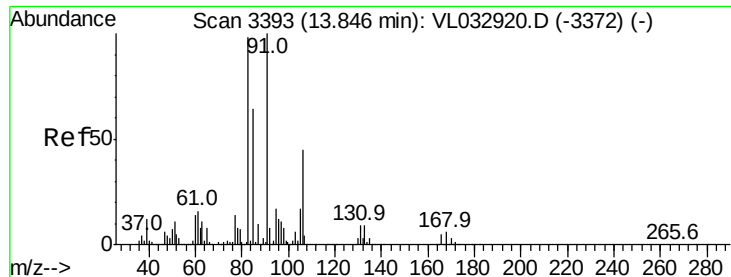
MMDadoda
12/24/2018 8:26:36 AM



#62
Isopropylbenzene
Concen: 11.821 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 10.370 ppbv

RT: 13.86 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1765406

Ion Ratio Lower Upper

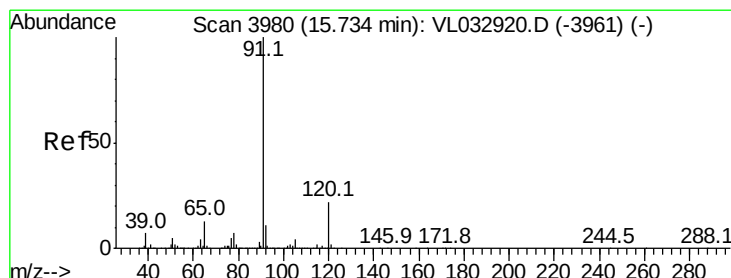
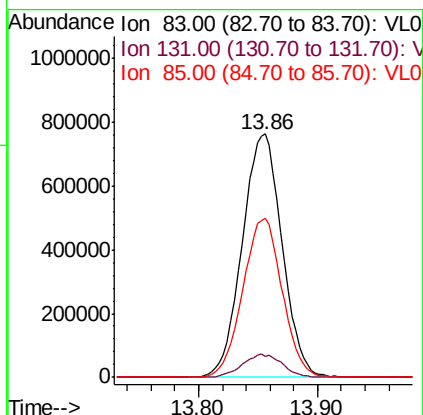
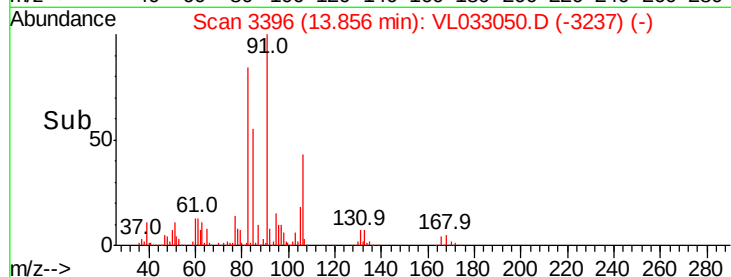
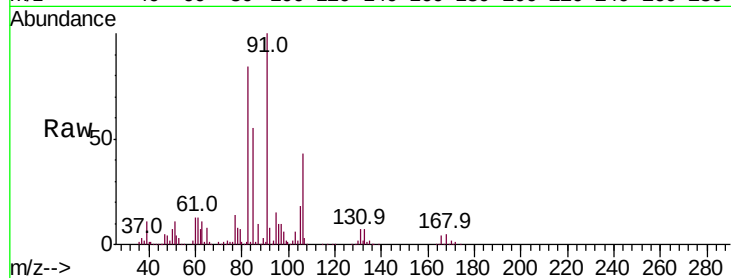
83 100

131 9.7 4.9 14.6

85 64.9 32.9 98.6

Manual Integrations
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#64

n-propylbenzene

Concen: 11.600 ppbv

RT: 15.74 min Scan# 3982

Delta R.T. 0.01 min

Lab File: VL033050.D

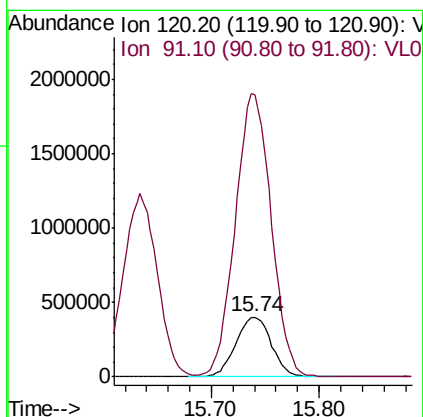
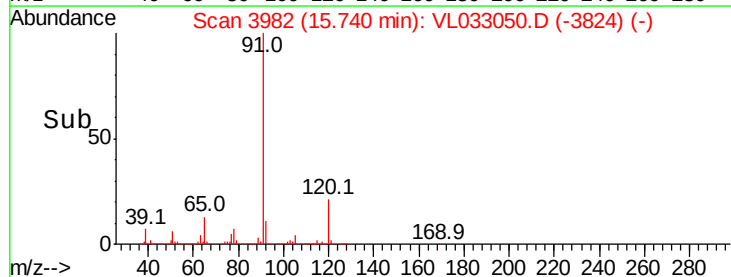
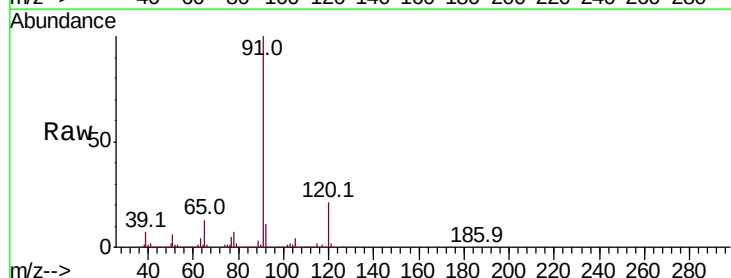
Acq: 21 Dec 2018 11:49

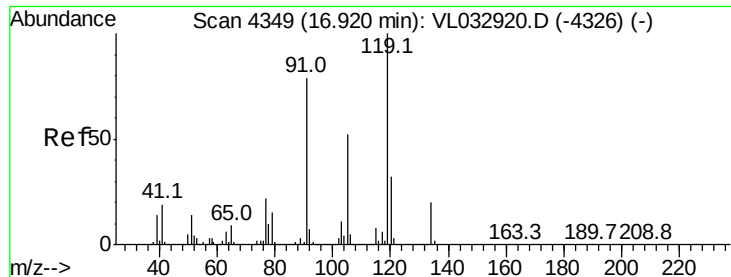
Tgt Ion:120 Resp: 921603

Ion Ratio Lower Upper

120 100

91 479.8 380.4 570.6





#65

tert-Butylbenzene

Concen: 11.846 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 3359344

Ion Ratio Lower Upper

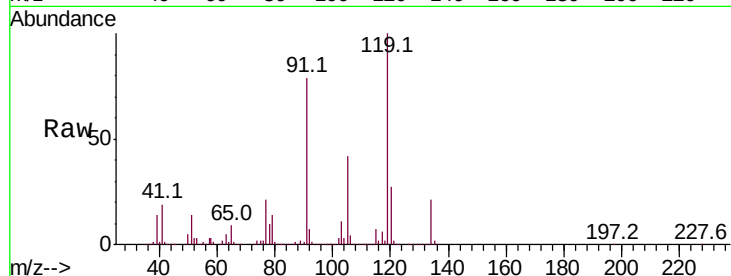
119 100

91 81.7 64.5 96.7

134 19.8 15.7 23.5

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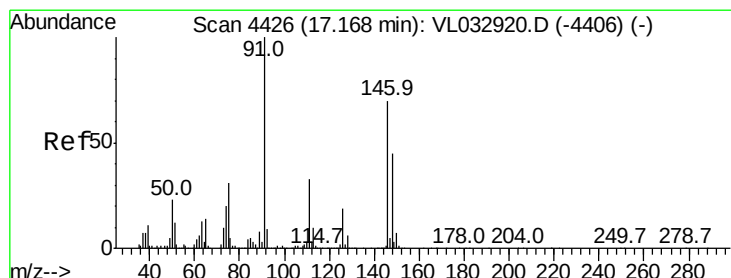
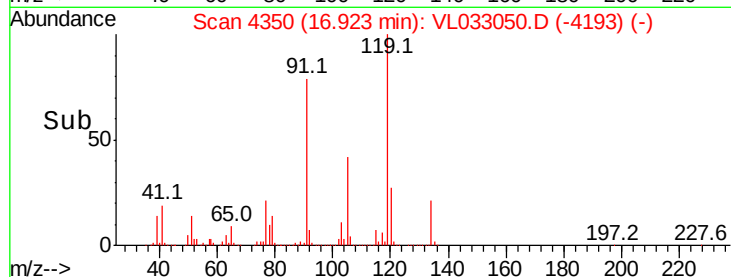
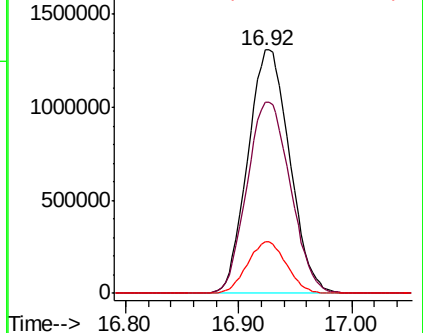
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.919 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

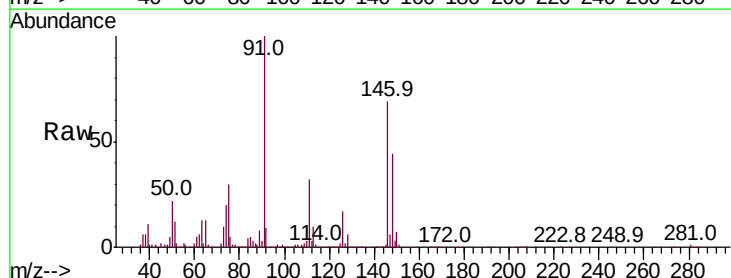
Tgt Ion: 91 Resp: 2030652

Ion Ratio Lower Upper

91 100

126 17.2 14.1 21.1

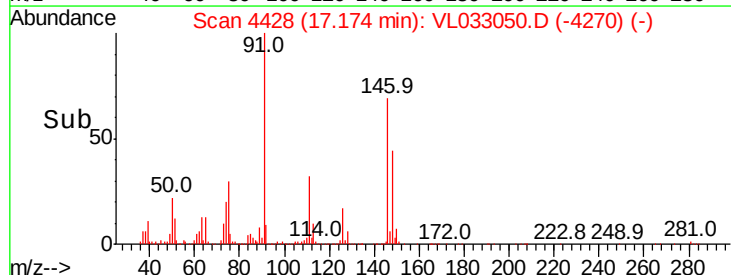
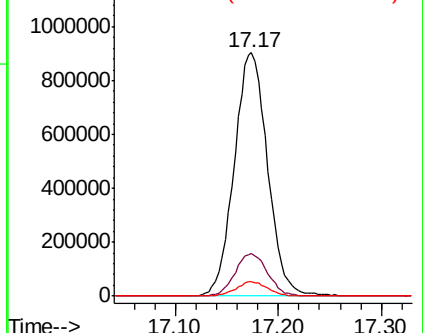
128 5.7 4.5 6.7

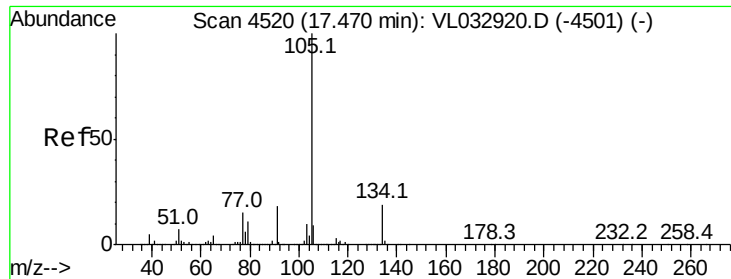


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 11.279 ppbv

RT: 17.48 min Scan# 4522

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 4715825

Ion Ratio Lower Upper

105 100

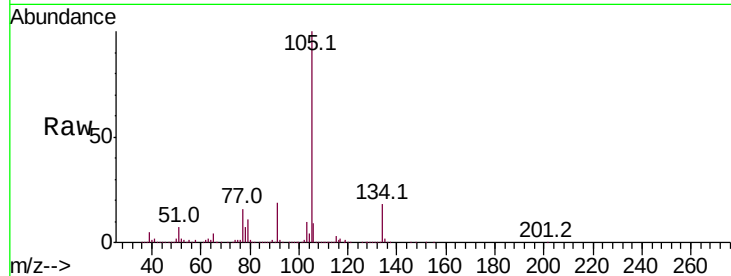
134 18.3 14.6 21.8

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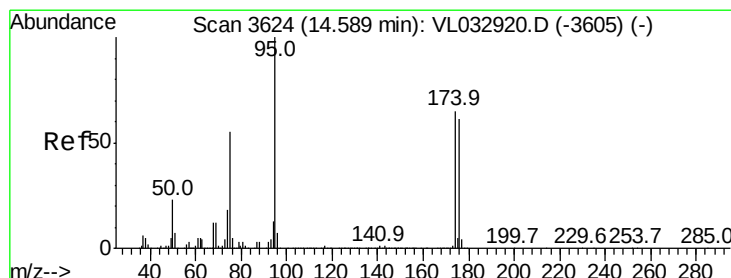
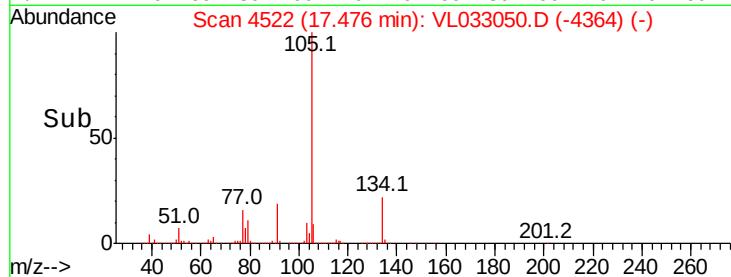
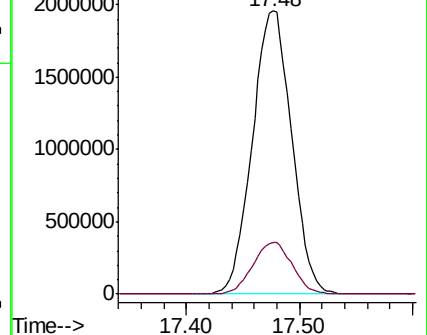
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.464 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

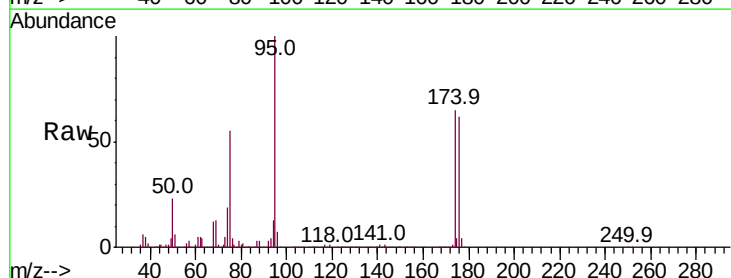
Tgt Ion: 95 Resp: 1735358

Ion Ratio Lower Upper

95 100

174 65.6 51.4 77.0

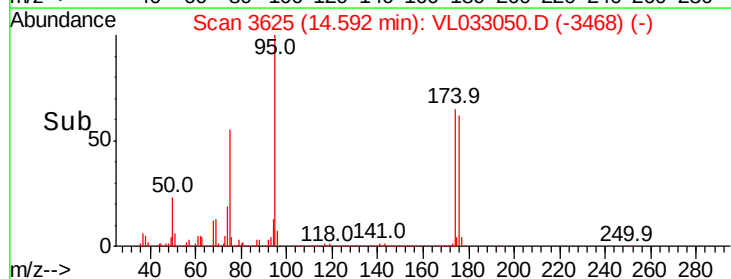
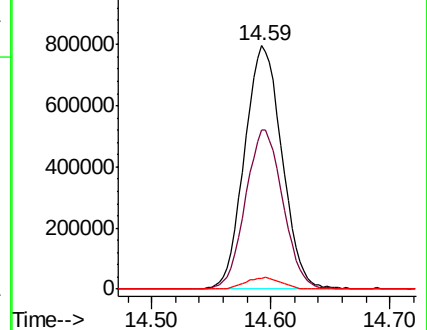
175 4.7 3.8 5.6

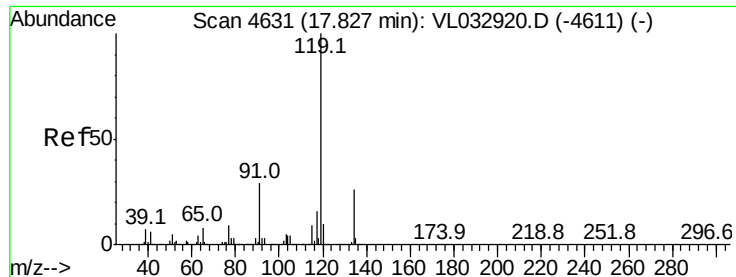


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





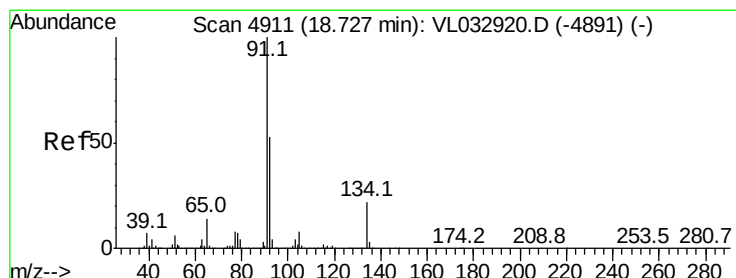
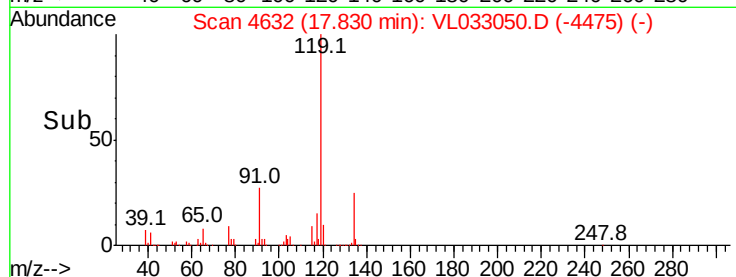
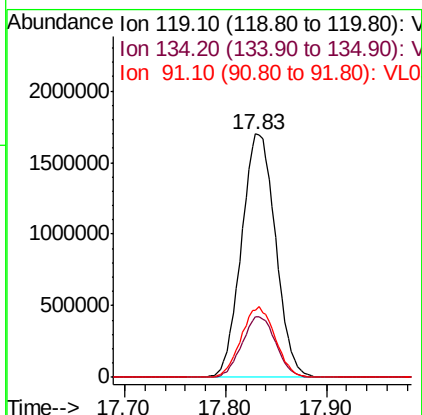
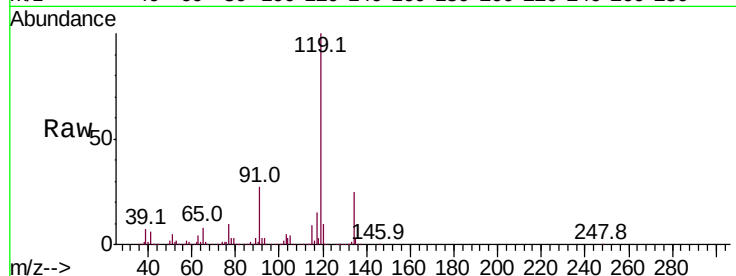
#69
 p-Isopropyltoluene
 Concen: 11.700 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.2	30.2
91	29.0	22.9	34.3

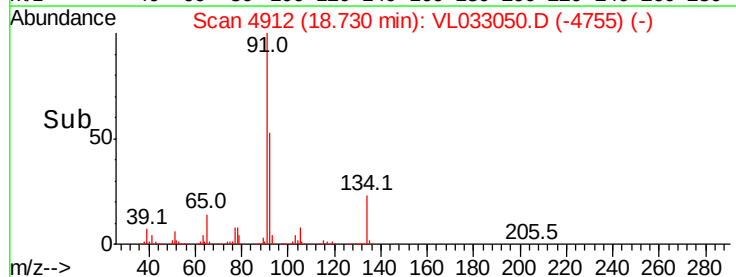
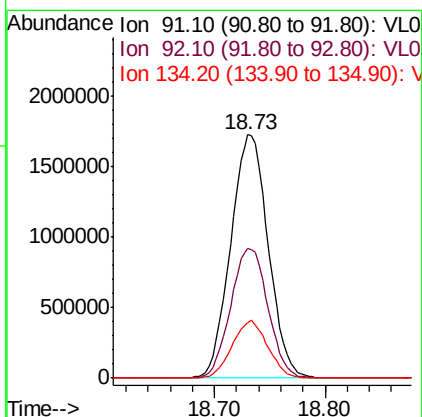
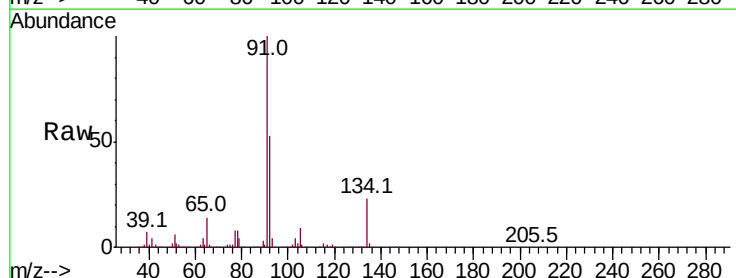
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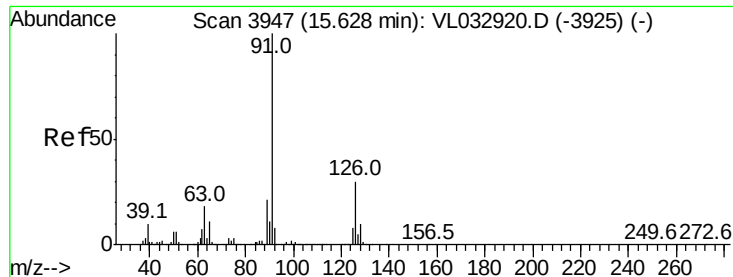
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#70
 n-Butylbenzene
 Concen: 12.986 ppbv
 RT: 18.73 min Scan# 4912
 Delta R.T. 0.00 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.7	64.1
134	22.5	18.0	27.0





#71

2-Chlorotoluene

Concen: 11.923 ppbv

RT: 15.63 min Scan# 3949

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2712257

Ion Ratio Lower Upper

91 100

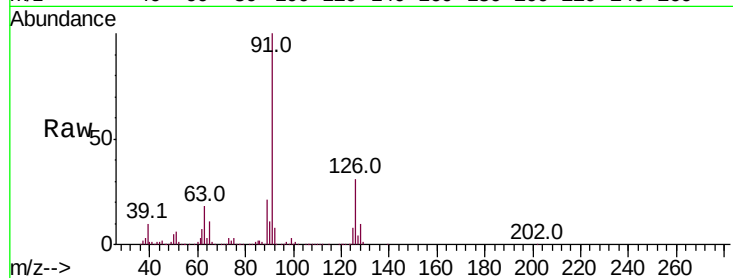
126 30.4 12.3 49.3

Manual Integrations

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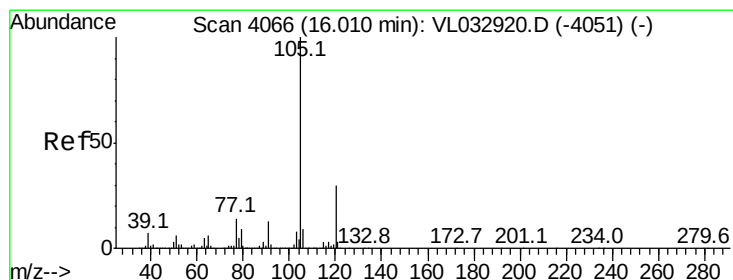
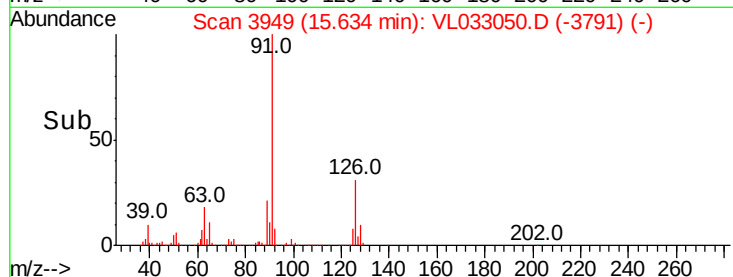
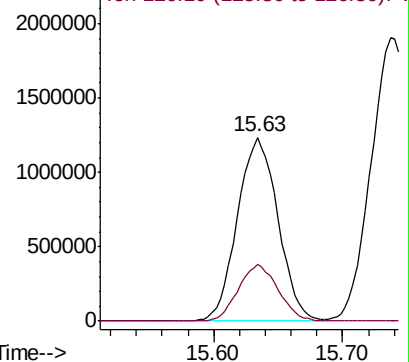
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 12.177 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tgt Ion:105 Resp: 2980667

Ion Ratio Lower Upper

105 100

120 28.7 23.0 34.4

91 13.9 10.4 15.6

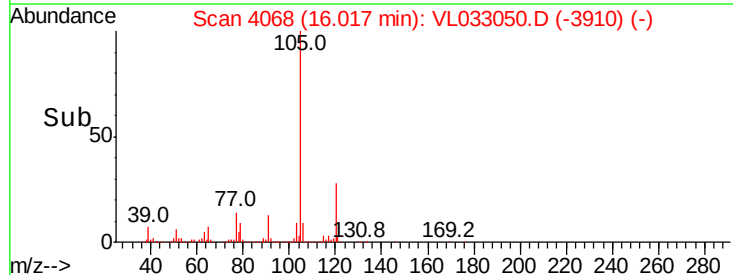
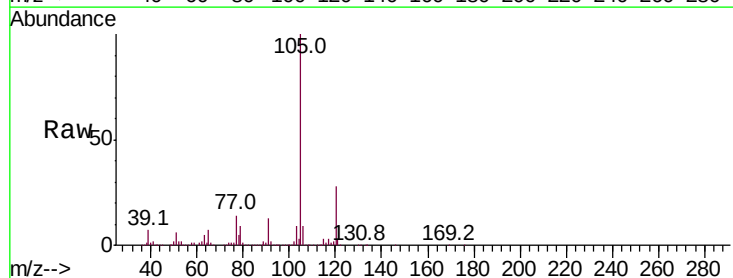
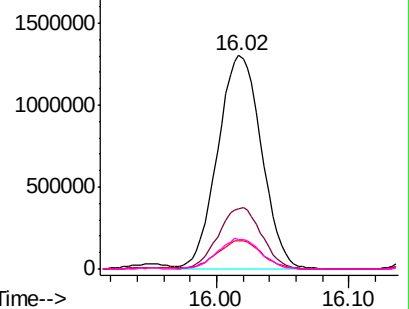
77 14.1 11.0 16.4

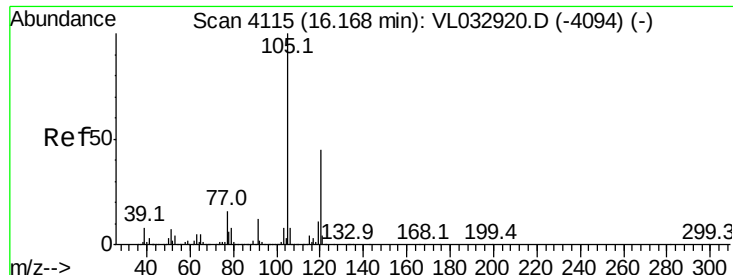
Abundance Ion 105.10 (104.80 to 105.80): V

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: 12.111 ppbv

RT: 16.17 min Scan# 4117

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2894011

Ion Ratio Lower Upper

105 100

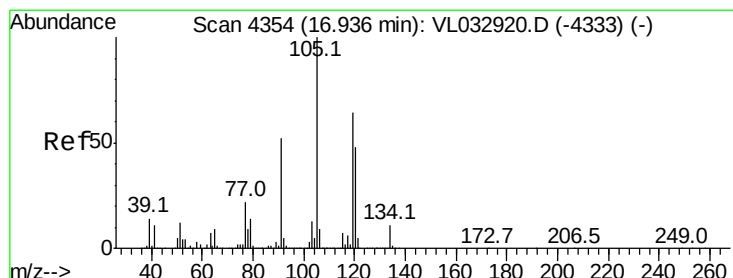
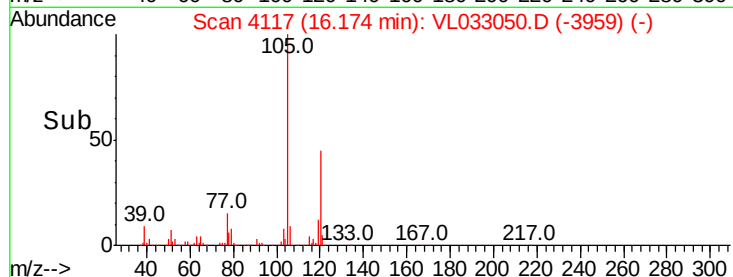
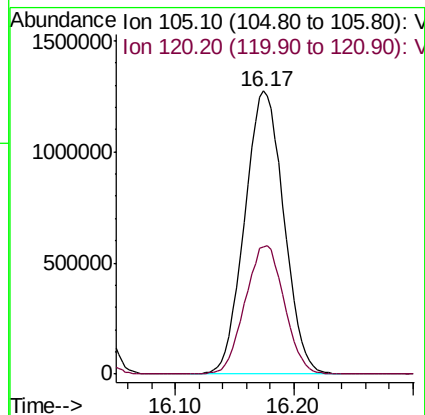
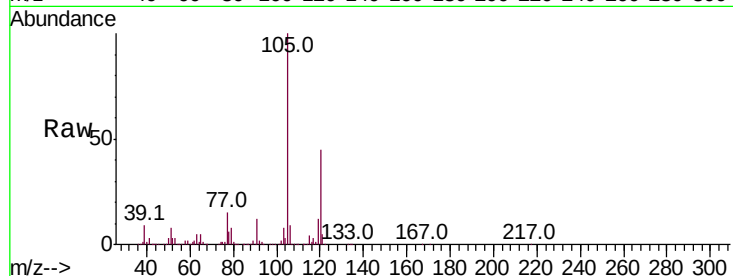
120 44.7 36.0 54.0

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#74

1,2,4-Trimethylbenzene

Concen: 11.289 ppbv

RT: 16.94 min Scan# 4356

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Tgt Ion:105 Resp: 3045944

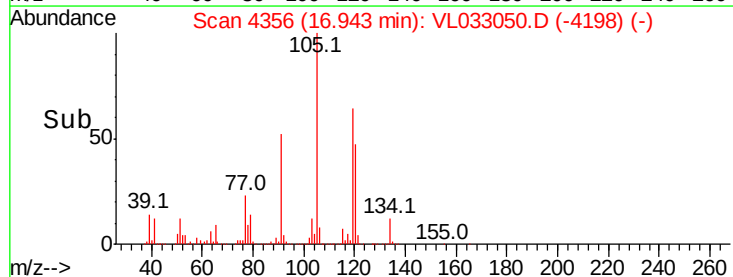
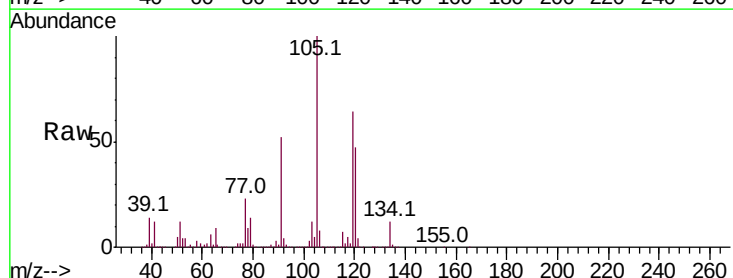
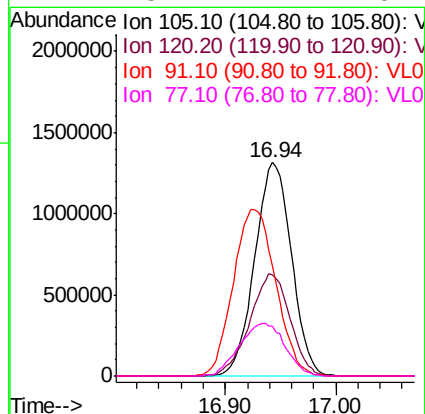
Ion Ratio Lower Upper

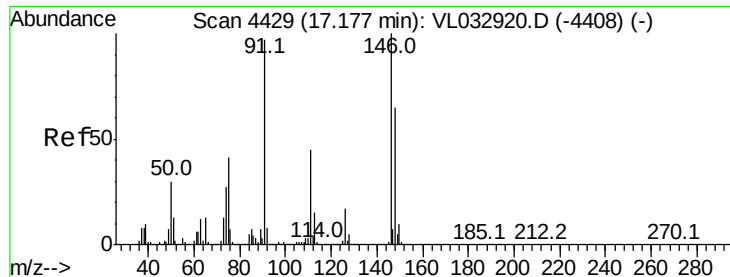
105 100

120 47.2 38.6 58.0

91 51.5 41.7 62.5

77 23.1 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 10.811 ppbv

RT: 17.18 min Scan# 4430

Delta R.T. 0.00 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1717891

Ion Ratio Lower Upper

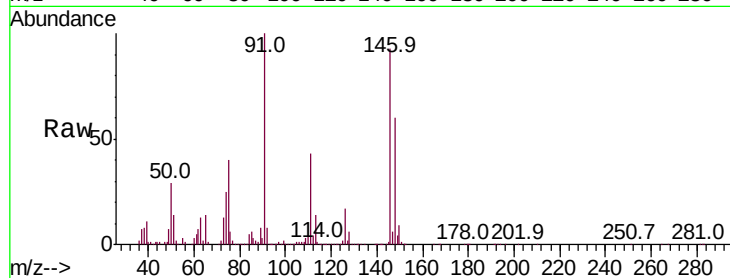
146 100

111 47.2 23.6 70.8

148 64.9 32.1 96.3

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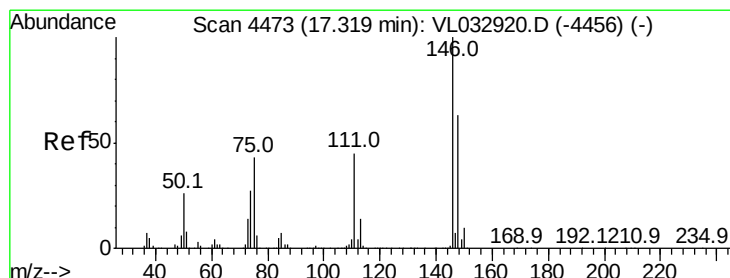
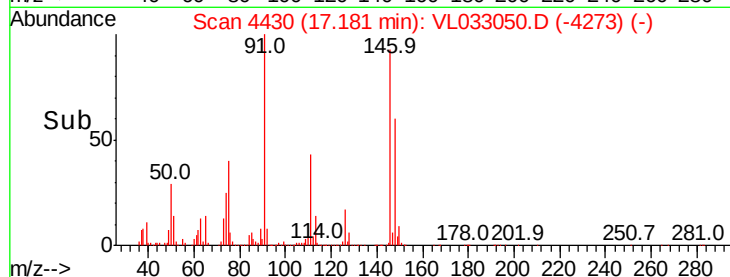
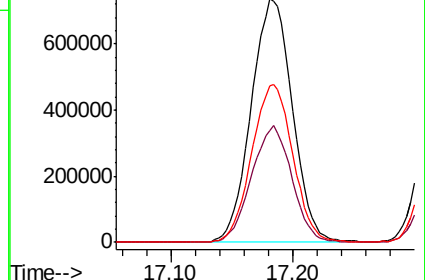
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 11.398 ppbv

RT: 17.33 min Scan# 4475

Delta R.T. 0.01 min

Lab File: VL033050.D

Acq: 21 Dec 2018 11:49

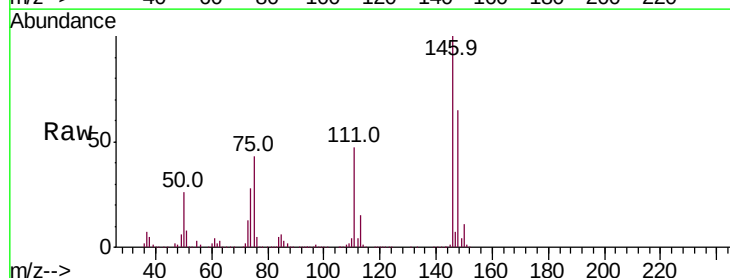
Tgt Ion:146 Resp: 1689985

Ion Ratio Lower Upper

146 100

111 45.2 22.8 68.4

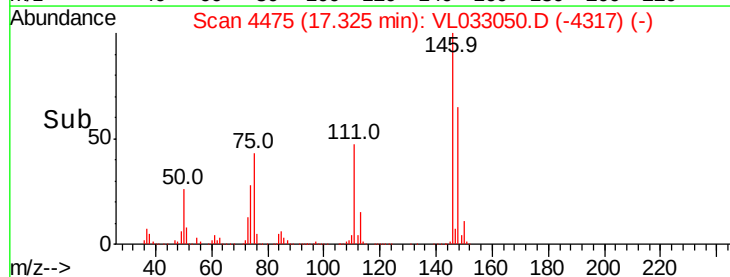
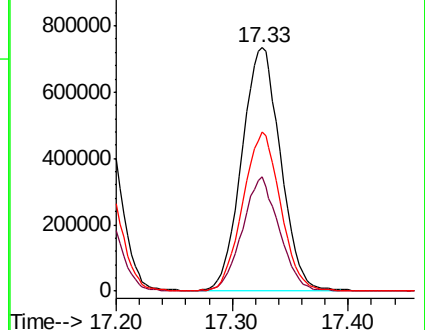
148 64.4 32.0 96.2

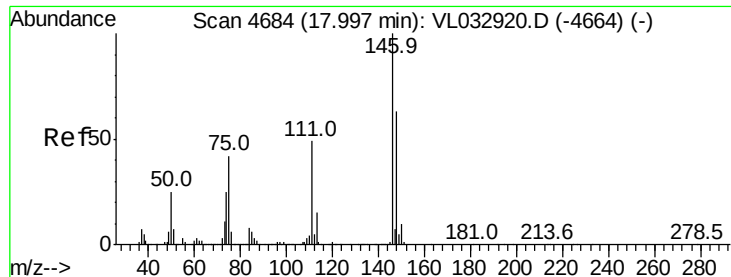


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





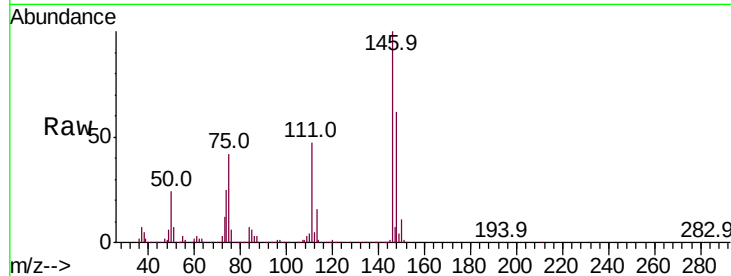
#77
 1,2-Dichlorobenzene
 Concen: 11.493 ppbv
 RT: 18.00 min Scan# 4686
 Delta R.T. 0.01 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

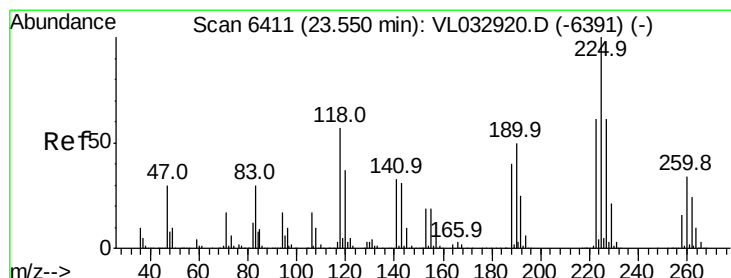
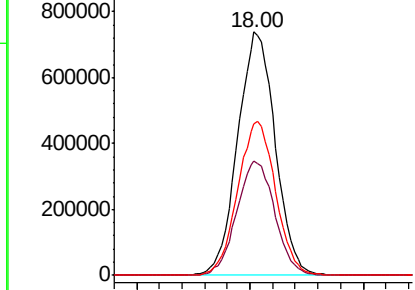
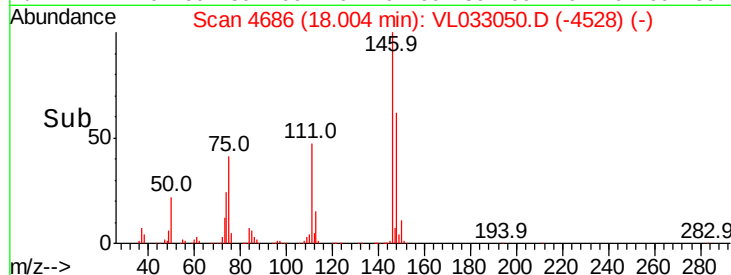
Tot Ion:146 Resp: 1705396
 Ion Ratio Lower Upper
 146 100
 111 47.7 24.3 72.9
 148 63.8 32.0 96.2

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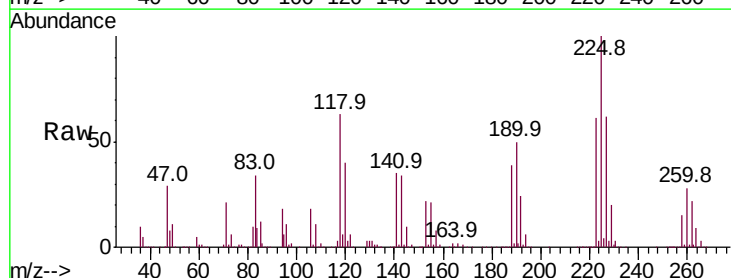


Abundance Ion 146.00 (145.70 to 146.70): V
 1000000 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

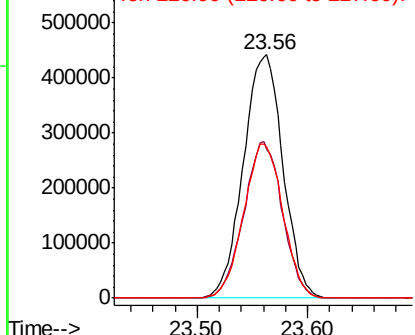
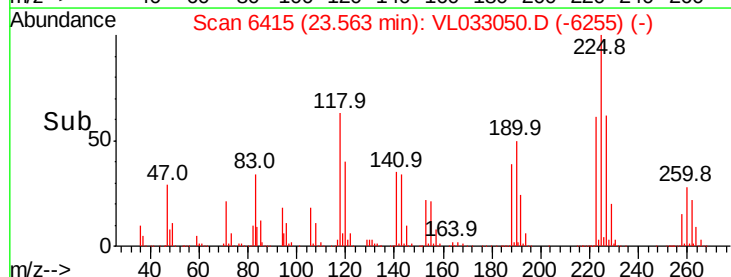


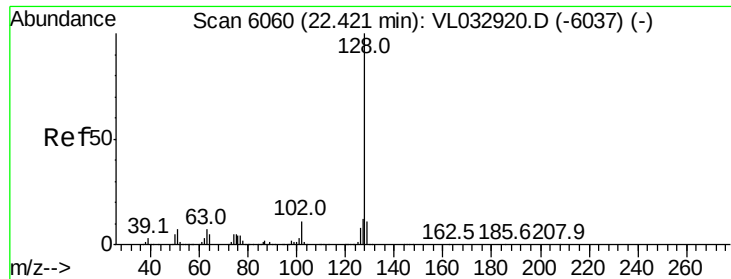
#78
 Hexachloro-1,3-Butadiene
 Concen: 13.508 ppbv
 RT: 23.56 min Scan# 6415
 Delta R.T. 0.01 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Tgt Ion:225 Resp: 1102324
 Ion Ratio Lower Upper
 225 100
 223 62.6 50.6 75.8
 227 62.8 50.4 75.6



Abundance Ion 224.90 (224.60 to 225.60): V
 600000 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





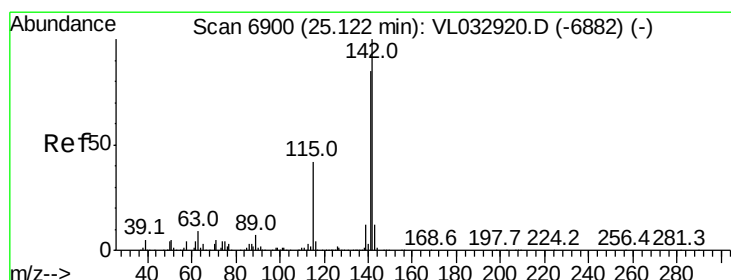
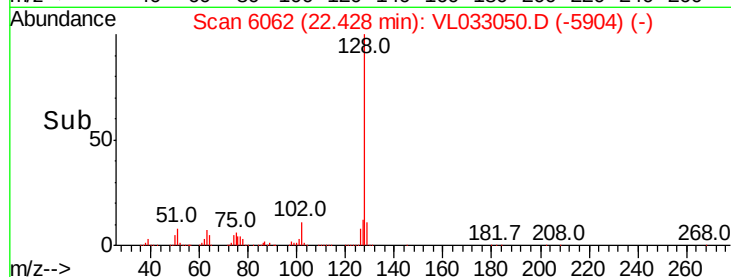
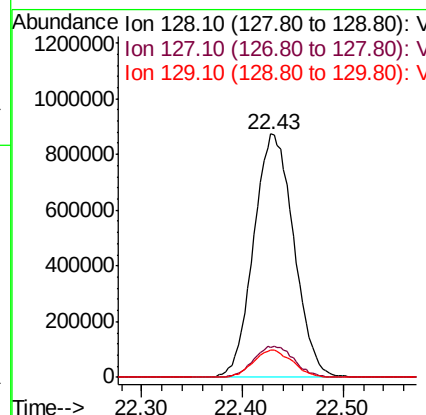
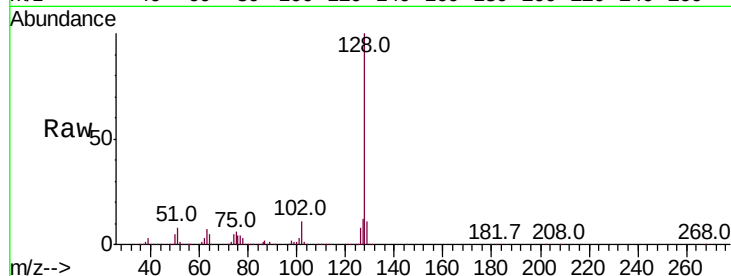
#79
Naphthalene
Concen: 13.818 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.9	14.9
129	11.4	8.6	13.0

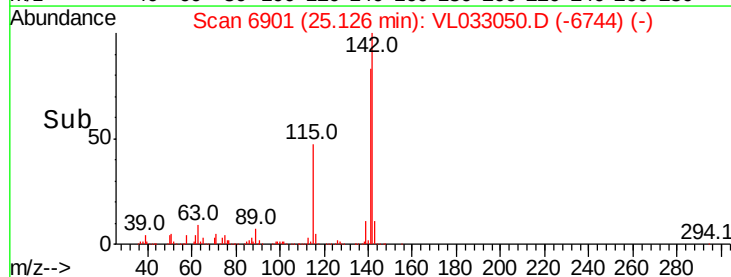
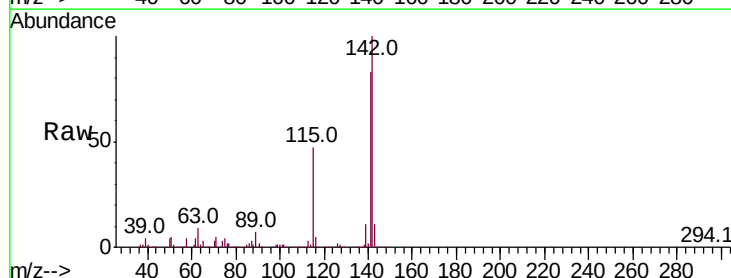
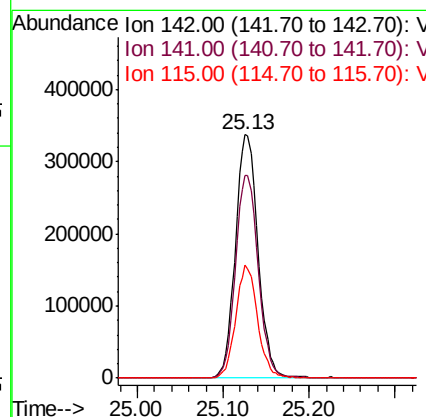
Manual Integrations
APPROVED

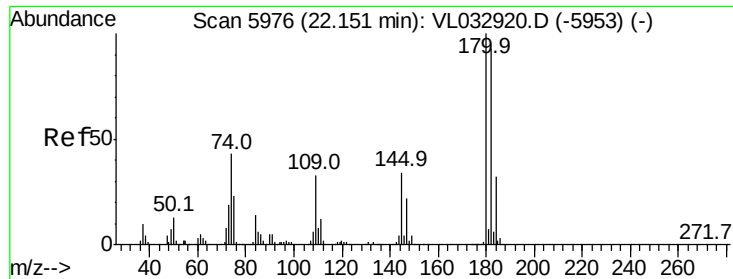
MMDadoda
12/24/2018 8:26:36 AM



#80
Naphthalene, 2-methyl-
Concen: 16.562 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.00 min
Lab File: VL033050.D
Acq: 21 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	68.2	102.2
115	44.5	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 12.673 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL033050.D
 Acq: 21 Dec 2018 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.6
184	30.2	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 8:26:36 AM

