

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032655.D
 Acq On : 18 Oct 2018 17:24
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:04:26 PM

Quant Time: Oct 18 19:22:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 19:22:32 2018
 QLast Update : Thu Oct 18 11:41:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1757483	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4179442	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4023607	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	3020181	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.09	85	244829	1.412 ppbv	99
3) Chlorodifluoromethane	3.03	51	146515	0.996 ppbv	96
4) Chloromethane	3.18	50	78633	0.980 ppbv	95
5) Vinyl Chloride	3.30	62	81532	1.008 ppbv	93
6) Bromomethane	3.53	94	63089	1.235 ppbv	98
7) Chloroethane	3.62	64	37875	1.196 ppbv #	88
8) Dichlorotetrafluoroethane	3.23	85	204652	1.033 ppbv	95
9) Propene	3.05	41	56713	1.052 ppbv	99
10) Heptane	8.26	43	216728	1.074 ppbv	100
11) Trichlorofluoromethane	4.02	101	283234	1.255 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.57	101	208043	1.259 ppbv	95
13) Ethanol	3.68	45	16928	1.015 ppbv	79
14) Bromoethene	3.80	108	75346	1.246 ppbv	97
15) Acetone	3.92	43	195653	1.251 ppbv	98
16) 1,3-Butadiene	3.38	39	58988	1.019 ppbv	90
17) tert-Butyl alcohol	4.39	59	41586m	2.913 ppbv	
18) 1,1-Dichloroethene	4.37	96	89873	1.206 ppbv	93
19) Isopropyl Alcohol	4.05	45	142383	1.289 ppbv #	96
20) Methylene Chloride	4.42	84	90195	1.287 ppbv	98
21) Allyl Chloride	4.49	41	120313	1.025 ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	86837	1.008 ppbv	86
23) Vinyl Acetate	5.17	43	297471	1.196 ppbv	98
24) 1,1-Dichloroethane	5.10	63	239645	1.039 ppbv #	99
25) Ethyl Acetate	5.79	43	392080	1.059 ppbv	100
26) Hexane	5.80	57	184522	1.107 ppbv	98
27) Carbon Disulfide	4.64	76	208444	1.035 ppbv #	94
28) Methyl tert-Butyl Ether	5.14	73	260370	1.243 ppbv	100
29) Chloroform	5.86	83	301359	1.032 ppbv	97
30) Cyclohexane	7.26	84	132001	1.004 ppbv	91
31) cis-1,2-Dichloroethene	5.66	61	159605	0.997 ppbv	93
32) 1,1,1-Trichloroethane	6.63	97	277945	0.954 ppbv	100
34) 2-Butanone	5.35	43	243767	1.051 ppbv	98
35) Carbon Tetrachloride	7.15	117	296039	0.914 ppbv	96
36) Benzene	7.02	78	343818	1.015 ppbv	94
37) 1,2-Dichloroethane	6.43	62	214488	0.923 ppbv	98
38) Trichloroethene	7.98	130	133400	1.047 ppbv	98
39) 1,2-Dichloropropane	7.75	63	134203	0.974 ppbv	96
40) 1,4-Dioxane	8.00	88	48187m	1.012 ppbv	
41) Tetrahydrofuran	6.18	42	117644	0.956 ppbv	98
42) Bromodichloromethane	7.93	83	299490	0.946 ppbv	89
43) Methyl Methacrylate	8.16	69	118225	0.900 ppbv	96

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Manual Integrations
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Quant Time: Oct 18 19:22:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	617777	1.029	ppbv	97
45) t-1,3-Dichloropropene	9.43	75	143095	0.833	ppbv	97
46) cis-1,3-Dichloropropene	8.85	75	179984	0.920	ppbv	96
47) 1,1,2-Trichloroethane	9.63	97	153086	0.930	ppbv	93
48) Dibromochloromethane	10.47	129	249419	0.892	ppbv	100
49) Bromoform	13.22	173	201896	0.955	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	340688	0.998	ppbv	97
51) 2-Hexanone	10.31	43	229995	0.857	ppbv #	94
52) Tetrachloroethene	11.39	164	113306	1.016	ppbv	93
53) Toluene	9.97	91	375833	0.973	ppbv	99
54) 1,2-Dibromoethane	10.78	107	204552	0.867	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.29	131	189113	1.024	ppbv #	1
57) Chlorobenzene	12.32	112	317261	1.037	ppbv	98
58) Ethyl Benzene	12.88	91	471129	1.043	ppbv	98
59) m/p-Xylene	13.17	91	884451m	2.193	ppbv	
60) o-Xylene	13.87	91	431310	1.073	ppbv	99
61) Styrene	13.70	104	263062	1.080	ppbv	98
62) Isopropylbenzene	14.84	105	603185	1.053	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.85	83	333368	0.940	ppbv	99
64) n-propylbenzene	15.74	120	148907	1.026	ppbv	92
65) tert-Butylbenzene	16.93	119	523711	1.078	ppbv	99
66) Benzyl Chloride	17.17	91	227746	0.831	ppbv	98
67) sec-Butylbenzene	17.47	105	737446	1.008	ppbv	100
69) p-Isopropyltoluene	17.83	119	584364	1.056	ppbv	99
70) n-Butylbenzene	18.73	91	591820	0.971	ppbv	98
71) 2-Chlorotoluene	15.63	91	424884	1.004	ppbv	99
72) 4-Ethyltoluene	16.02	105	443997	1.022	ppbv	97
73) 1,3,5-Trimethylbenzene	16.17	105	438960	1.016	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	491339	1.033	ppbv #	81
75) 1,3-Dichlorobenzene	17.18	146	277554	1.004	ppbv	98
76) 1,4-Dichlorobenzene	17.32	146	244024	0.968	ppbv	97
77) 1,2-Dichlorobenzene	18.01	146	259763	0.977	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	134044	0.901	ppbv	99
79) Naphthalene	22.44	128	232030	0.717	ppbv #	95
80) Naphthalene, 2-methyl-	25.14	142	19077	0.304	ppbv #	89
81) 1,2,4-Trichlorobenzene	22.15	180	128624m	0.801	ppbv	

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

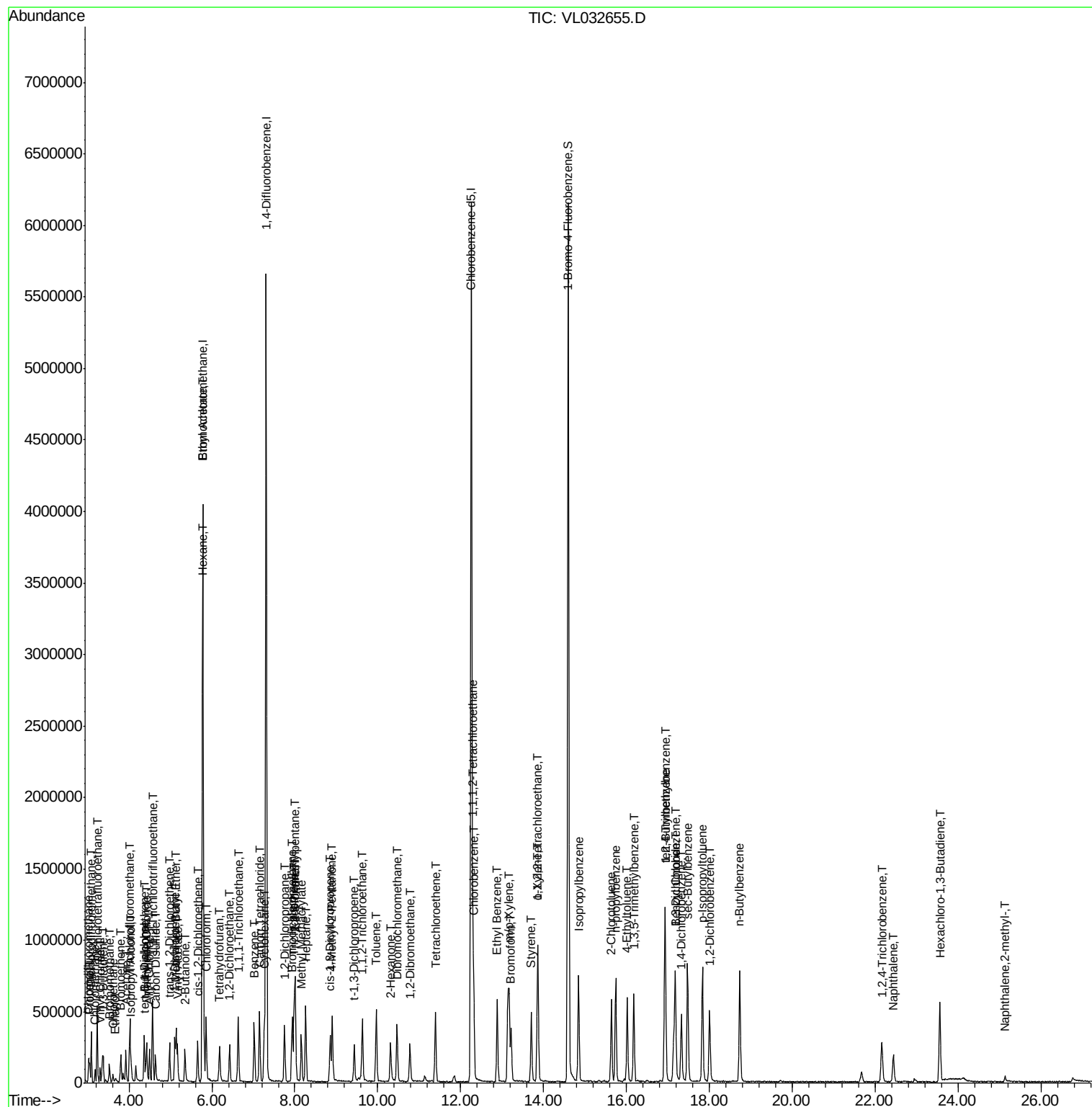
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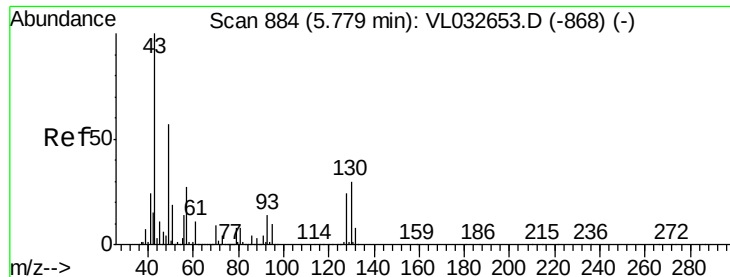
Instrument :
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1757483

Ion Ratio Lower Upper

49 100

128 49.4 22.3 66.8

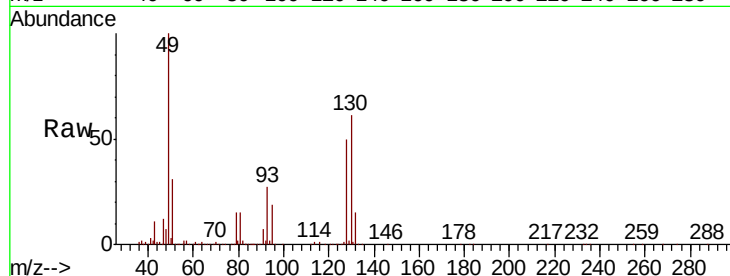
130 62.2 28.4 85.3

Manual Integrations

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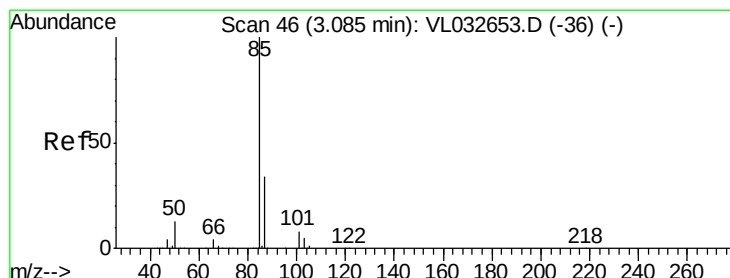
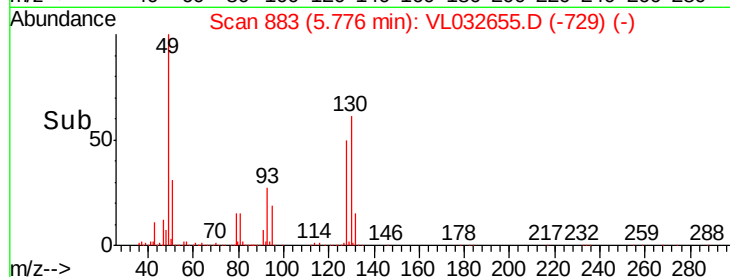
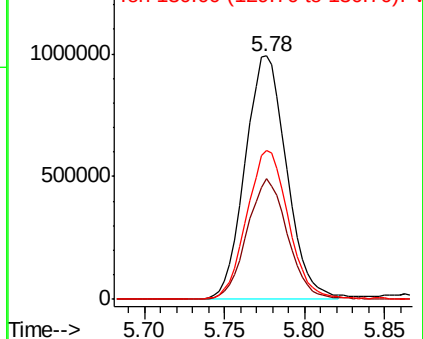
10/24/2018 12:04:26 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.412 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032655.D

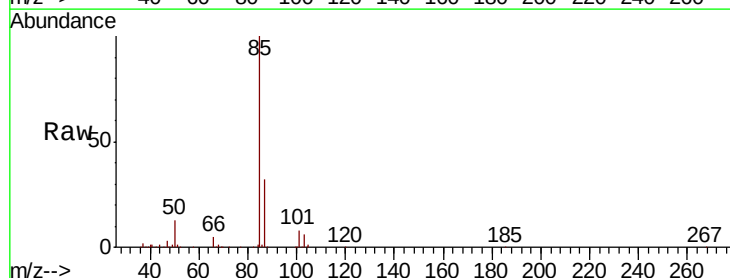
Acq: 18 Oct 2018 17:24

Tgt Ion: 85 Resp: 244829

Ion Ratio Lower Upper

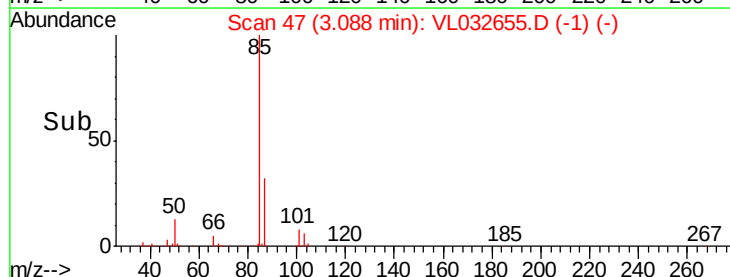
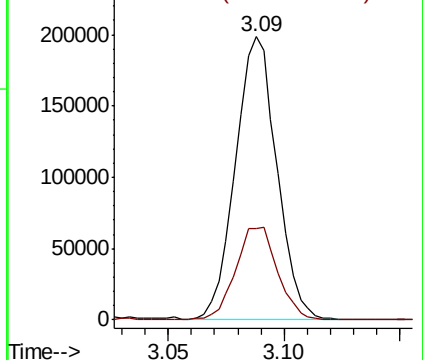
85 100

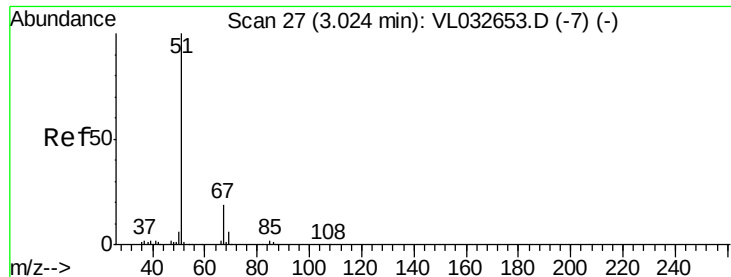
87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.996 ppbv

RT: 3.03 min Scan# 28

Delta R.T. 0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 146515

Ion Ratio Lower Upper

51 100

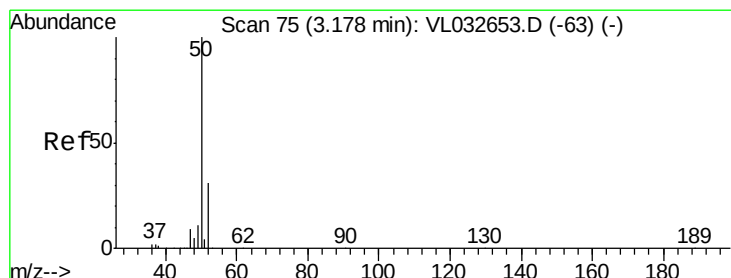
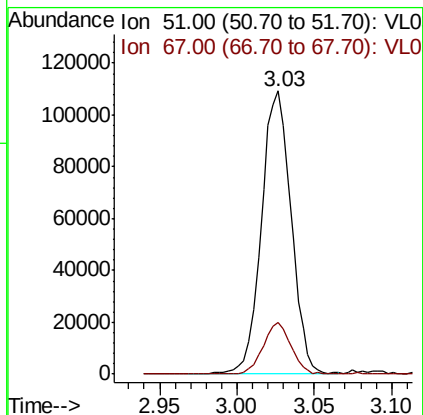
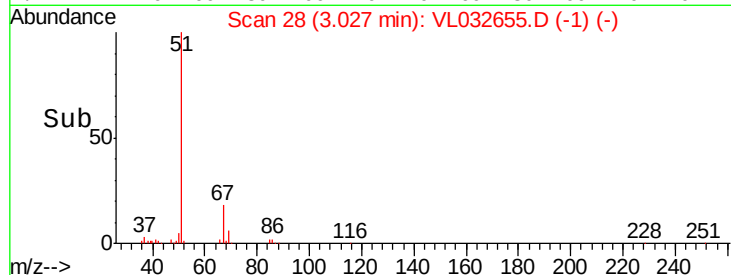
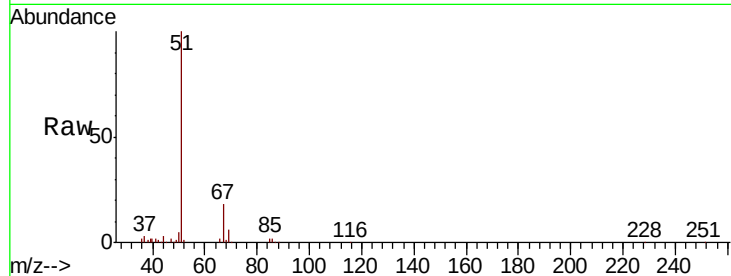
67 17.1 15.2 22.8

Manual Integrations

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#4

Chloromethane

Concen: 0.980 ppbv

RT: 3.18 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL032655.D

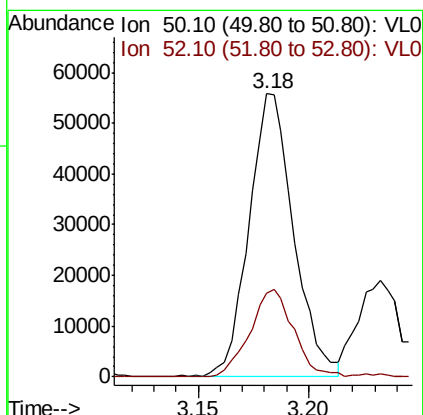
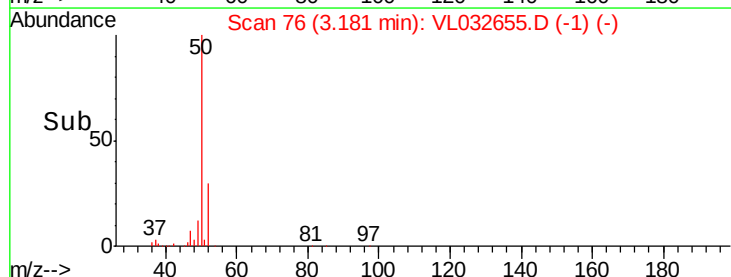
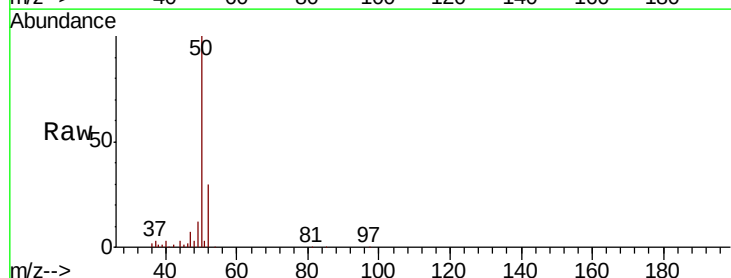
Acq: 18 Oct 2018 17:24

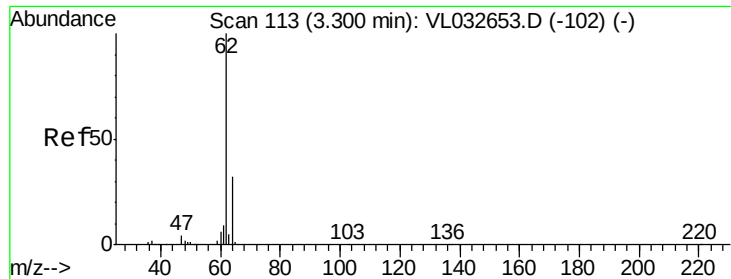
Tgt Ion: 50 Resp: 78633

Ion Ratio Lower Upper

50 100

52 29.7 25.9 38.9





#5

Vinyl Chloride

Concen: 1.008 ppbv

RT: 3.30 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 81532

Ion Ratio Lower Upper

62 100

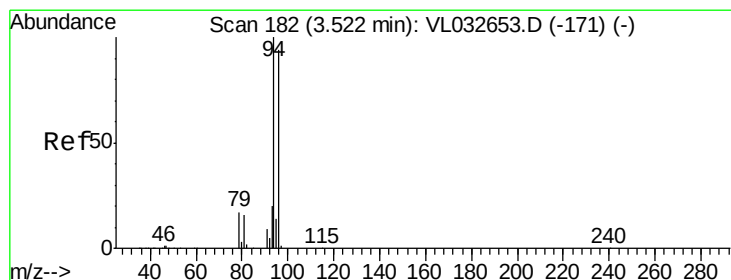
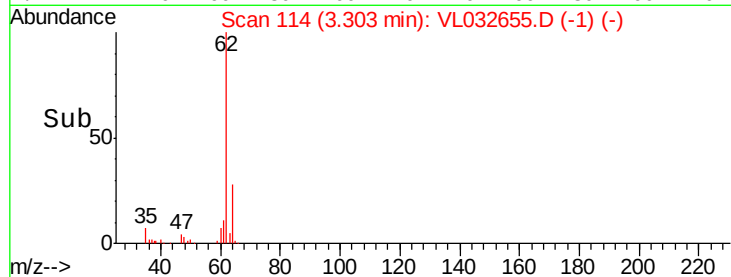
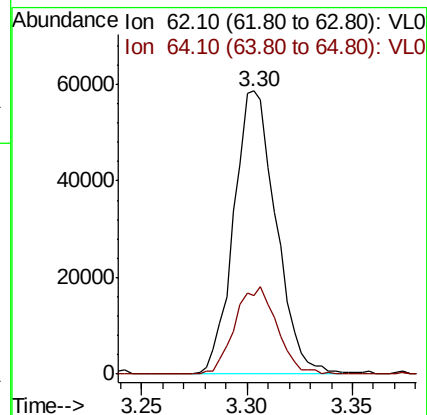
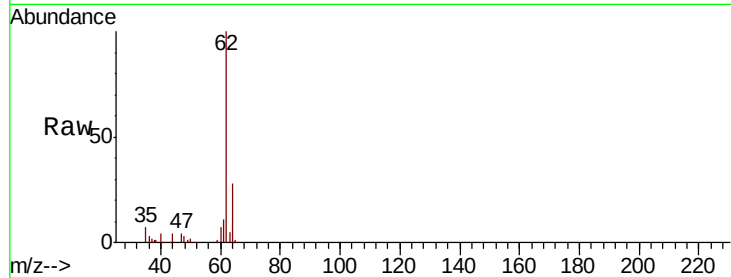
64 27.7 25.5 38.3

Manual Integrations

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#6

Bromomethane

Concen: 1.235 ppbv

RT: 3.53 min Scan# 184

Delta R.T. 0.01 min

Lab File: VL032655.D

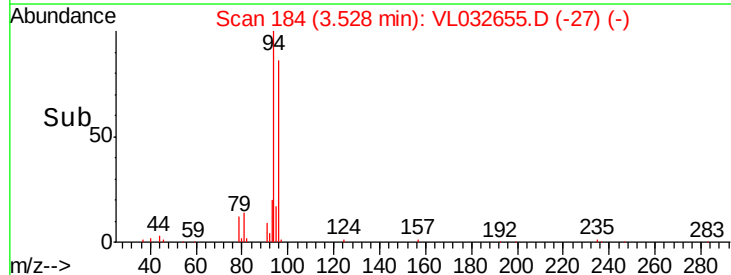
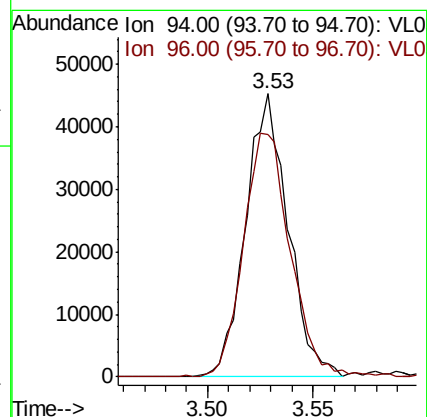
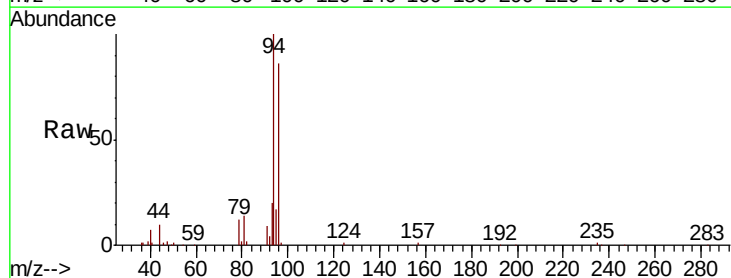
Acq: 18 Oct 2018 17:24

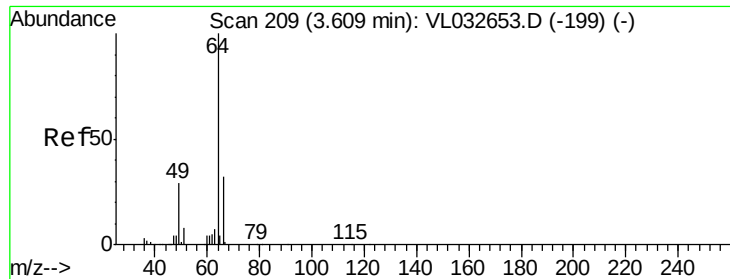
Tgt Ion: 94 Resp: 63089

Ion Ratio Lower Upper

94 100

96 85.5 69.8 104.8





#7

Chloroethane

Concen: 1.196 ppbv

RT: 3.62 min Scan# 211

Delta R.T. 0.01 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 37875

Ion Ratio Lower Upper

64 100

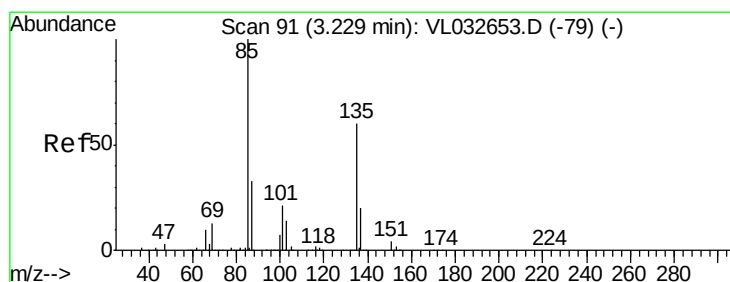
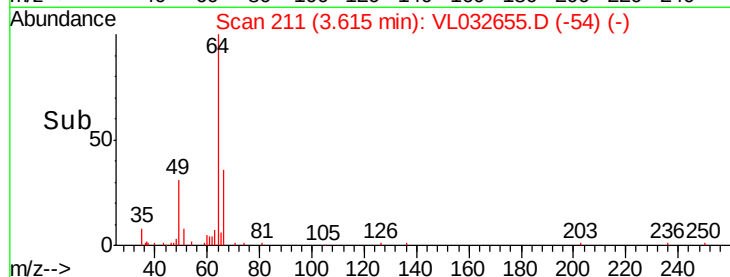
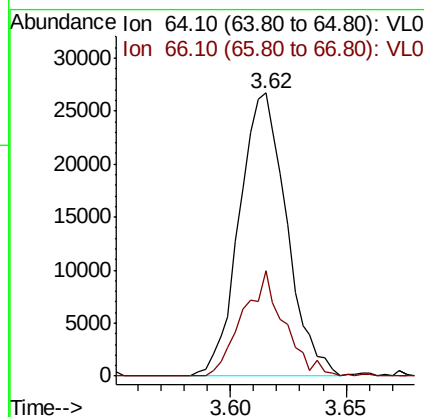
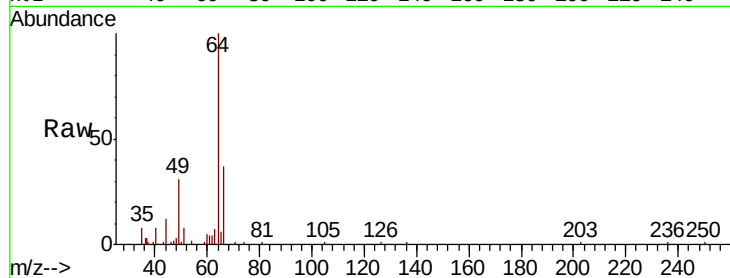
66 37.1 24.4 36.6#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.033 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032655.D

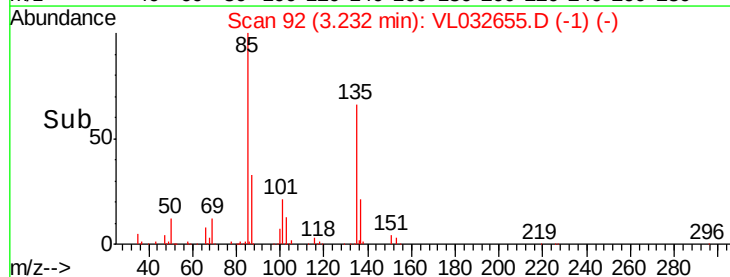
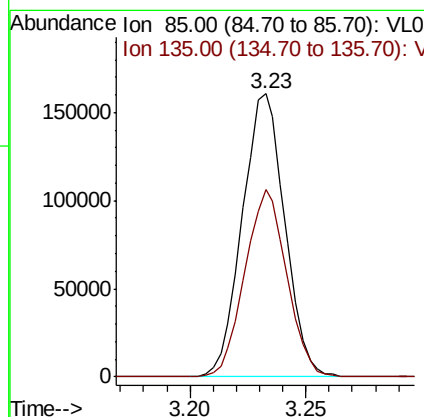
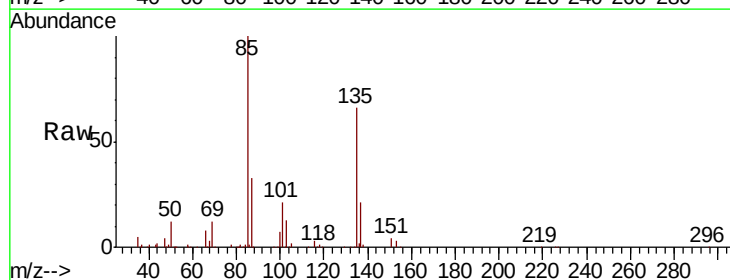
Acq: 18 Oct 2018 17:24

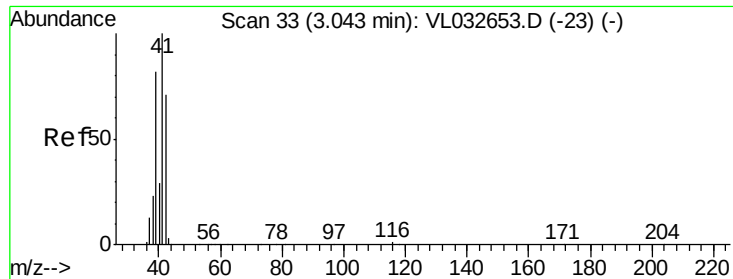
Tgt Ion: 85 Resp: 204652

Ion Ratio Lower Upper

85 100

135 65.1 49.0 73.4





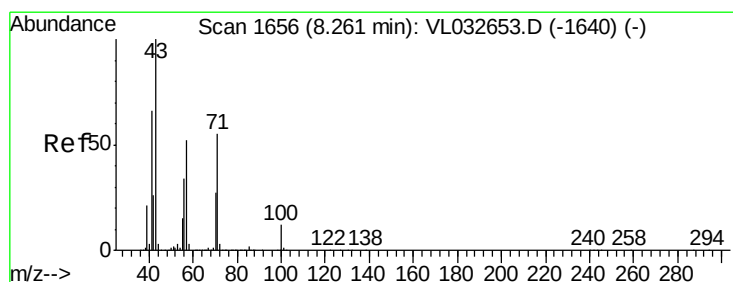
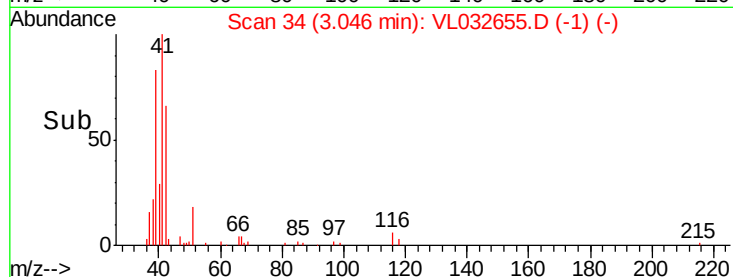
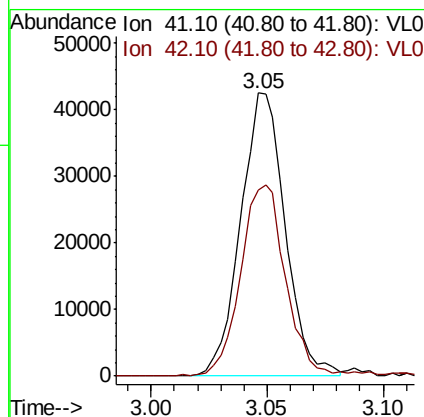
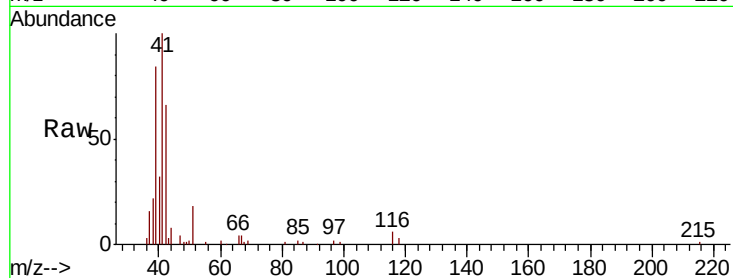
#9
 Propene
 Concen: 1.052 ppbv
 RT: 3.05 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 41 Resp: 56713
 Ion Ratio Lower Upper
 41 100
 42 70.3 55.4 83.0

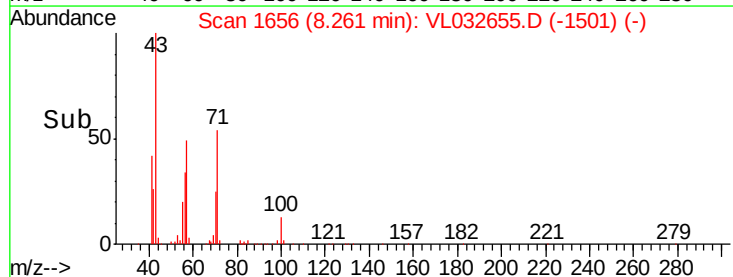
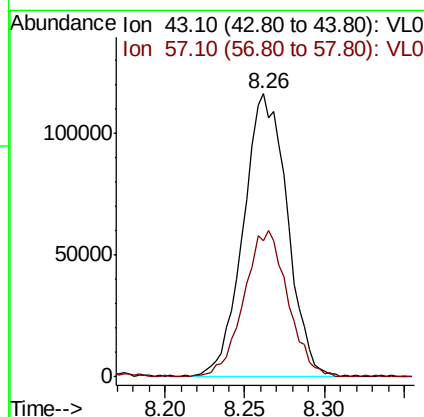
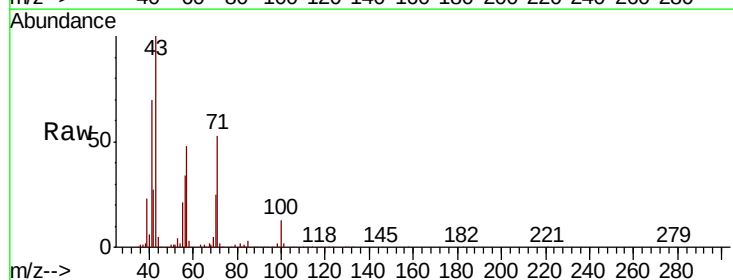
Manual Integrations
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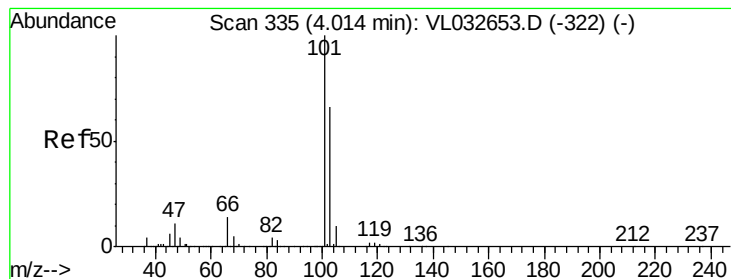
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#10
 Heptane
 Concen: 1.074 ppbv
 RT: 8.26 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Tgt Ion: 43 Resp: 216728
 Ion Ratio Lower Upper
 43 100
 57 52.1 41.5 62.3





#11

Trichlorofluoromethane

Concen: 1.255 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.01 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 283234

Ion Ratio Lower Upper

101 100

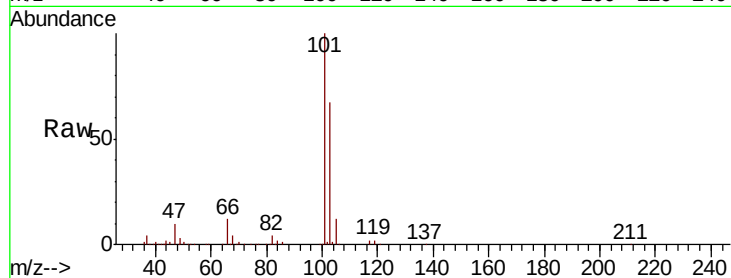
103 66.8 51.4 77.2

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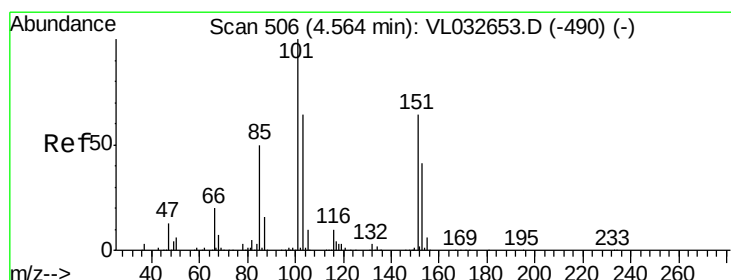
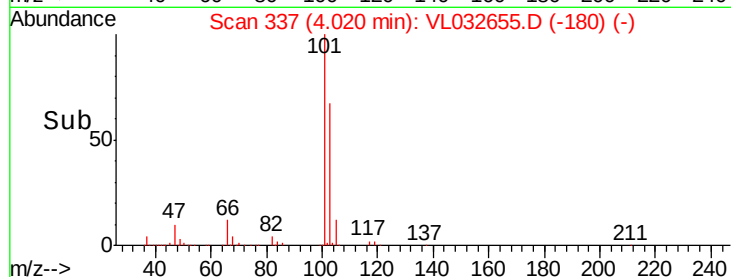
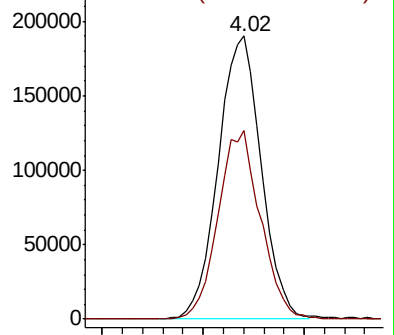
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.259 ppbv

RT: 4.57 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL032655.D

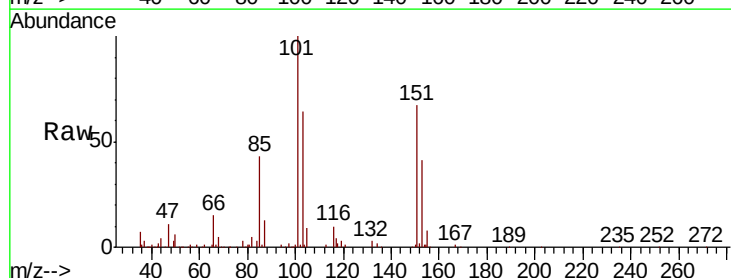
Acq: 18 Oct 2018 17:24

Tgt Ion:101 Resp: 208043

Ion Ratio Lower Upper

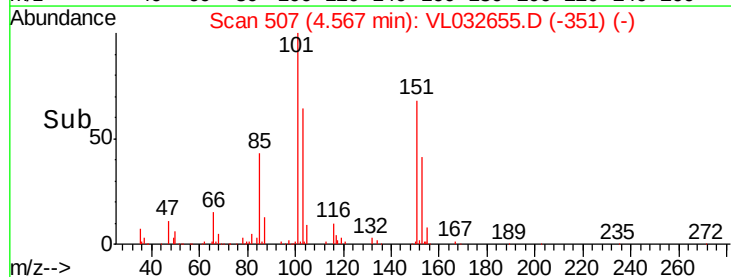
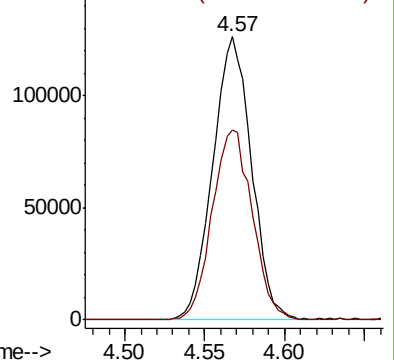
101 100

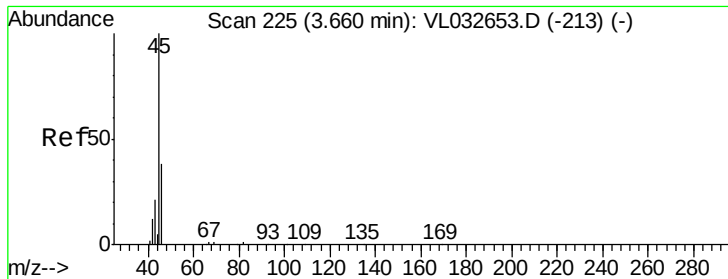
151 69.6 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





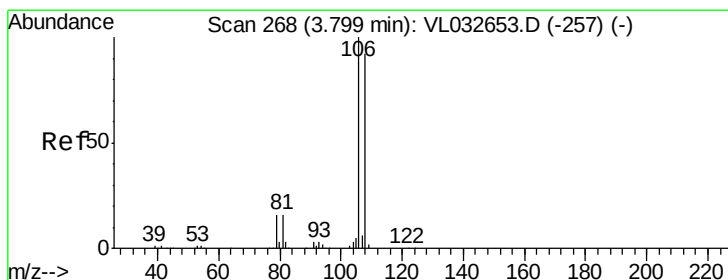
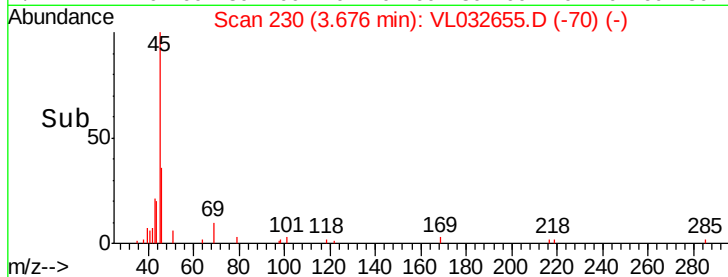
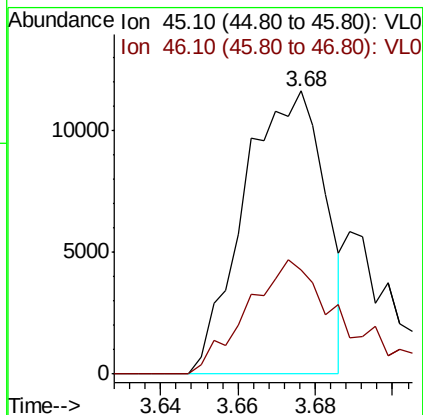
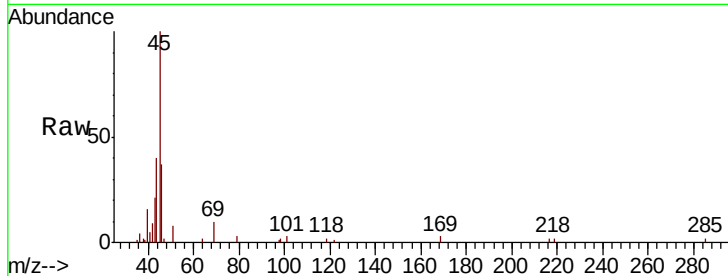
#13
Ethanol
Concen: 1.015 ppbv
RT: 3.68 min Scan# 230
Delta R.T. 0.02 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 16928
Ion Ratio Lower Upper
45 100
46 51.2 15.4 61.8

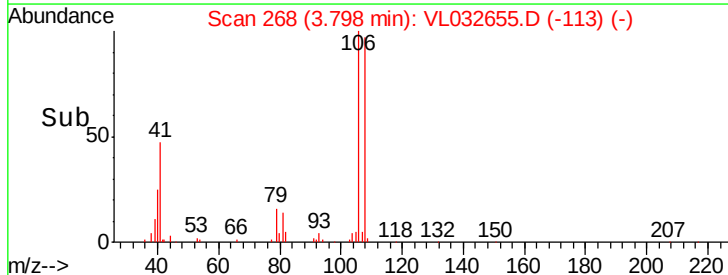
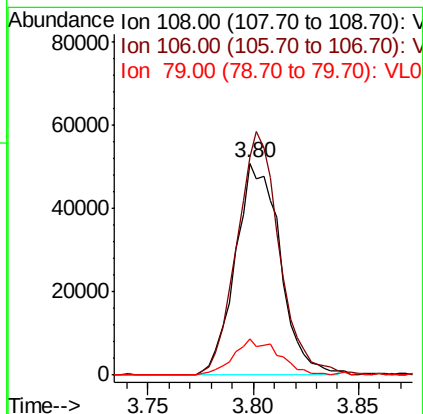
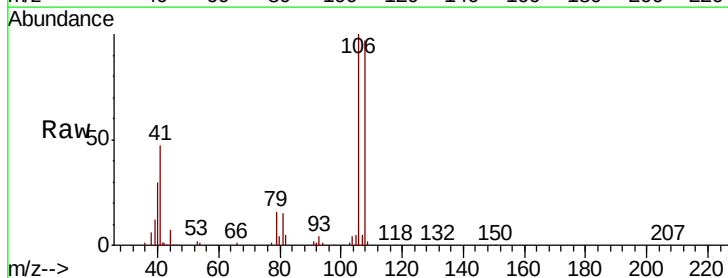
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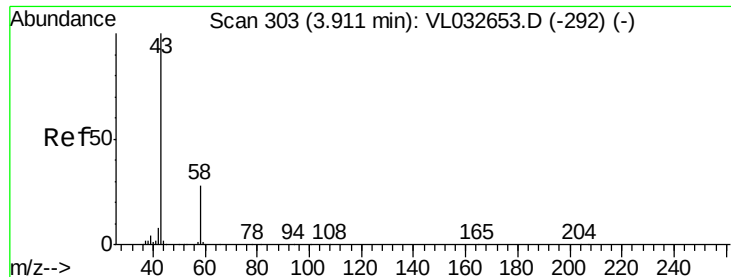
MMDadoda
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#14
Bromoethene
Concen: 1.246 ppbv
RT: 3.80 min Scan# 268
Delta R.T. -0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion: 108 Resp: 75346
Ion Ratio Lower Upper
108 100
106 109.2 85.0 127.4
79 17.5 13.7 20.5





#15

Acetone

Concen: 1.251 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.01 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 195653

Ion Ratio Lower Upper

43 100

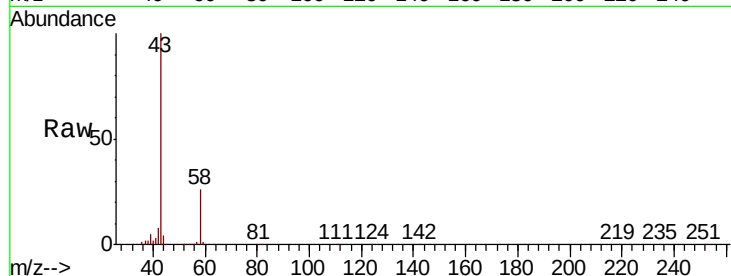
58 28.7 22.1 33.1

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

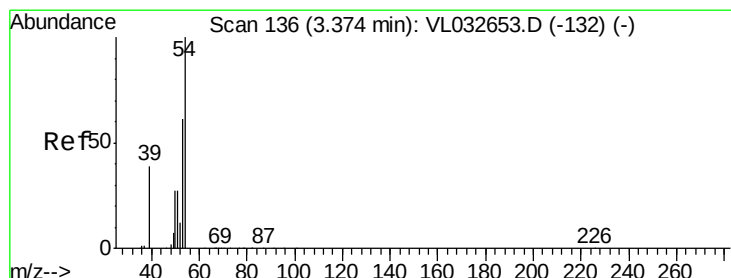
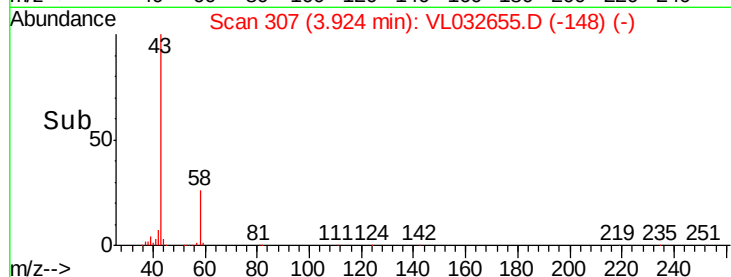
150000

100000

50000

0

Time-->



#16

1,3-Butadiene

Concen: 1.019 ppbv

RT: 3.38 min Scan# 137

Delta R.T. 0.00 min

Lab File: VL032655.D

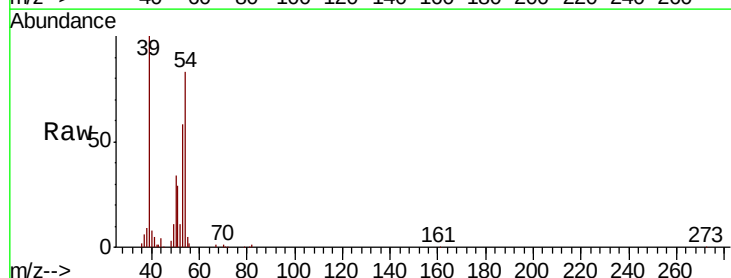
Acq: 18 Oct 2018 17:24

Tgt Ion: 39 Resp: 58988

Ion Ratio Lower Upper

39 100

54 102.5 90.4 135.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.38

60000

50000

40000

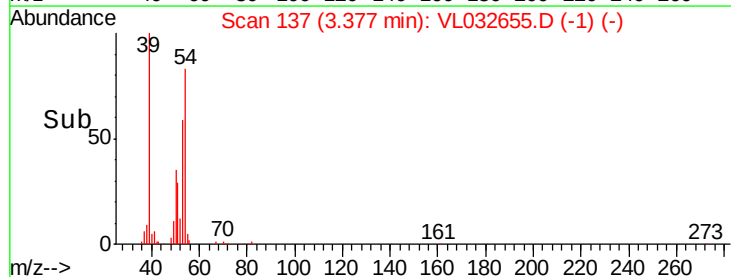
30000

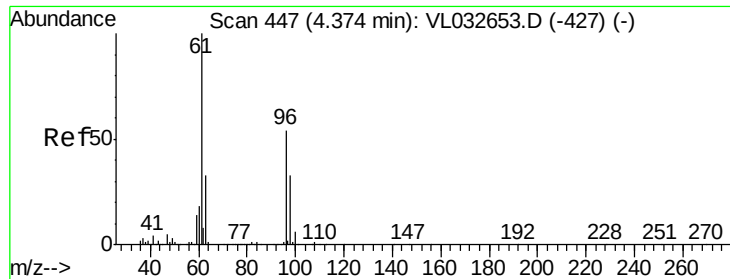
20000

10000

0

Time-->





#17

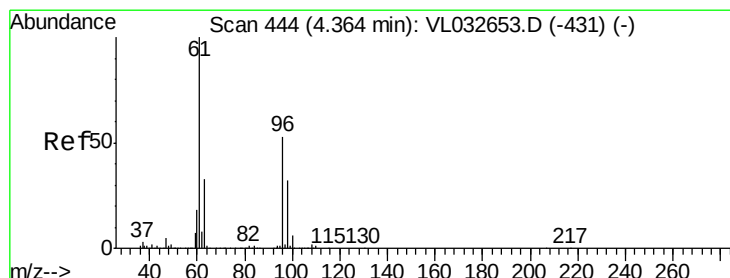
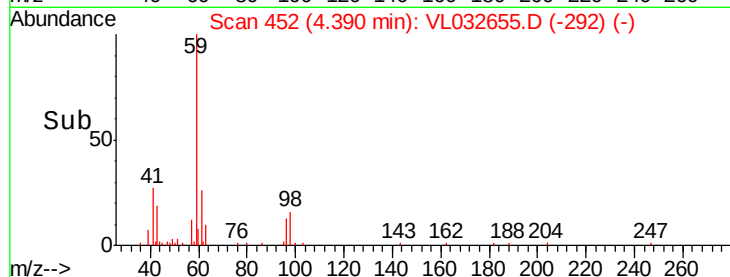
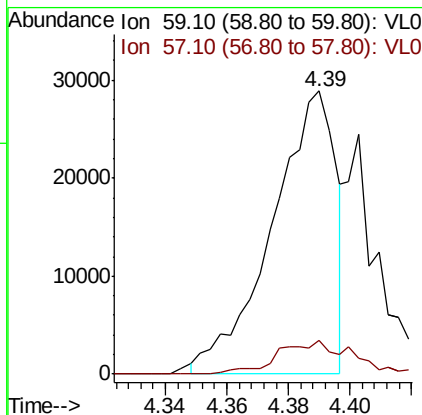
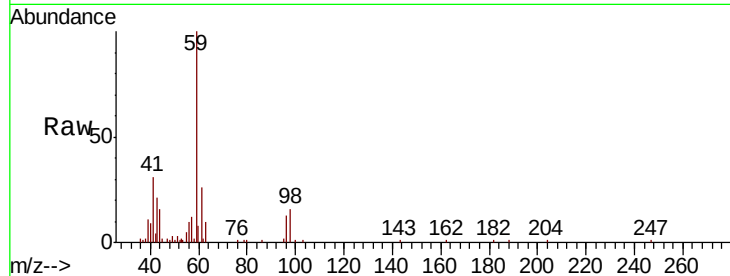
tert-Butyl alcohol
Concen: 2.913 ppbv m
RT: 4.39 min Scan# 452
Delta R.T. 0.02 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 41586
Ion Ratio Lower Upper
59 100
57 14.5 0.0 0.0#

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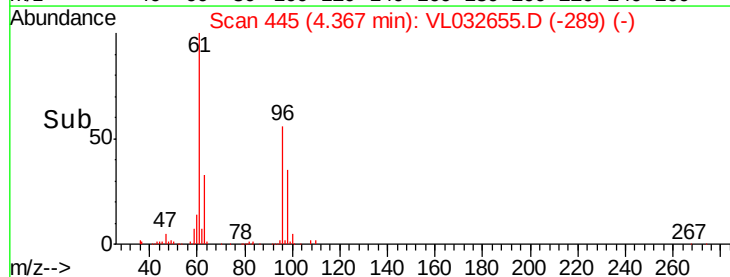
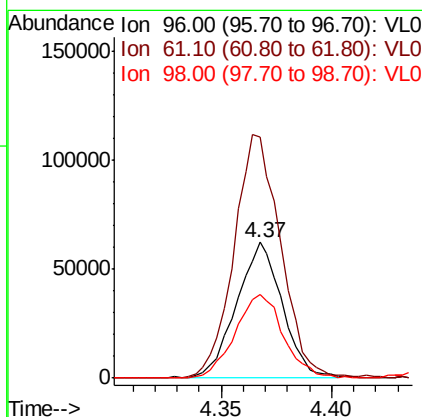
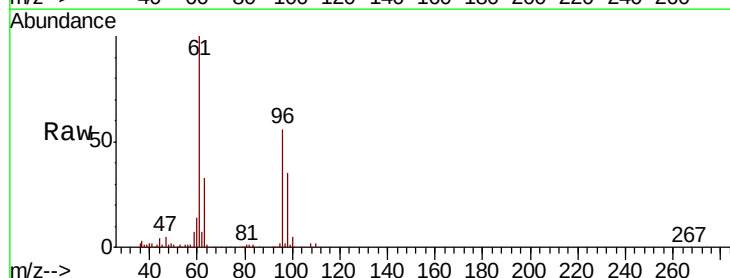
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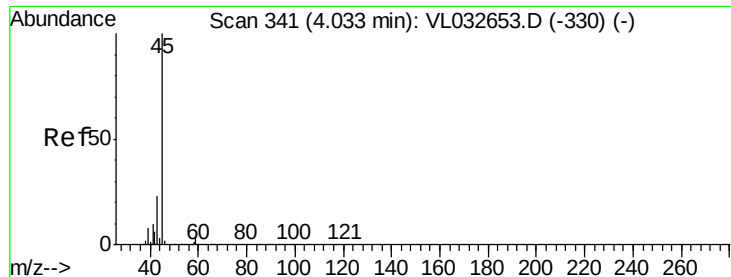


#18

1,1-Dichloroethene
Concen: 1.206 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion: 96 Resp: 89873
Ion Ratio Lower Upper
96 100
61 176.3 151.6 227.4
98 61.1 50.6 75.8





#19

Isopropyl Alcohol

Concen: 1.289 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.02 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 142383

Ion Ratio Lower Upper

45 100

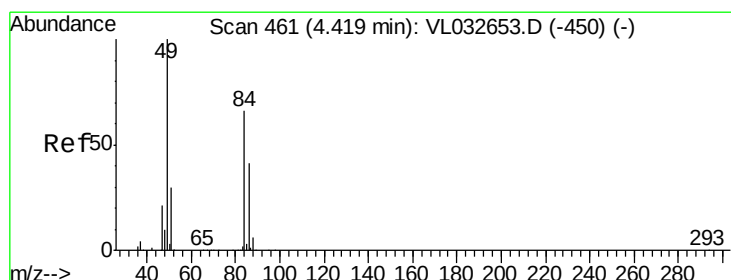
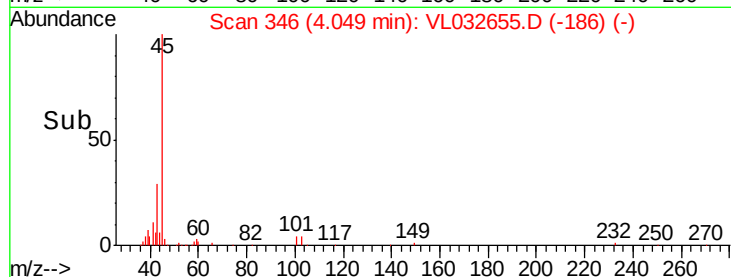
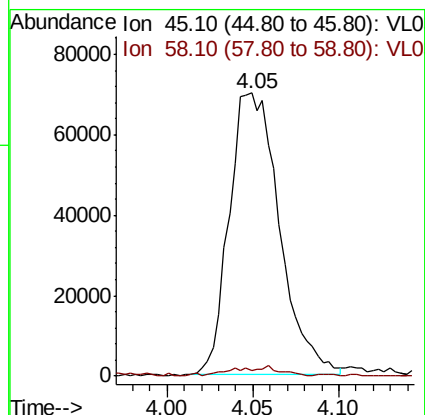
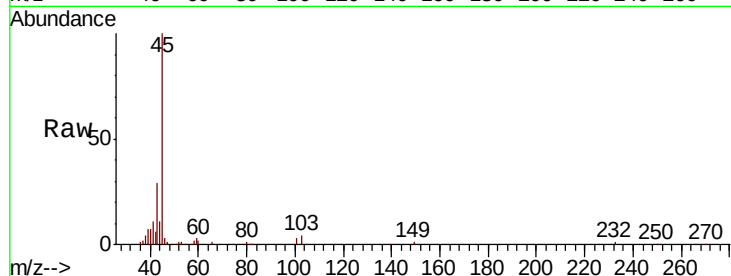
58 4.0 2.0 3.0#

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#20

Methylene Chloride

Concen: 1.287 ppbv

RT: 4.42 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Tgt Ion: 84 Resp: 90195

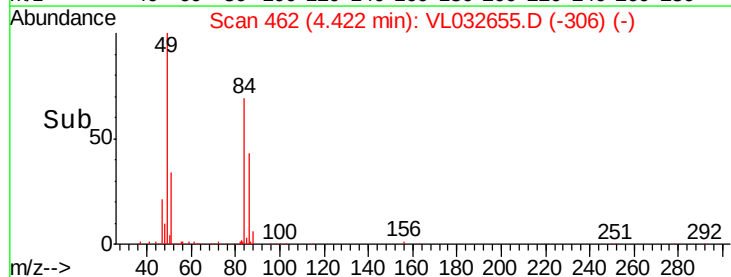
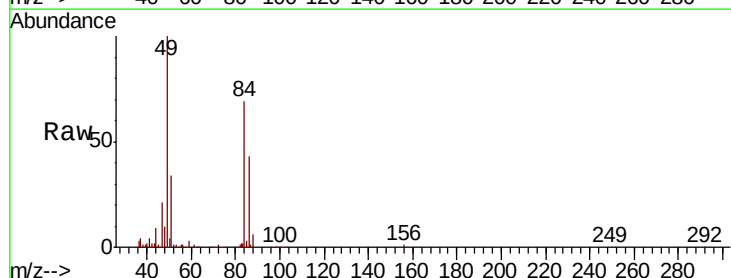
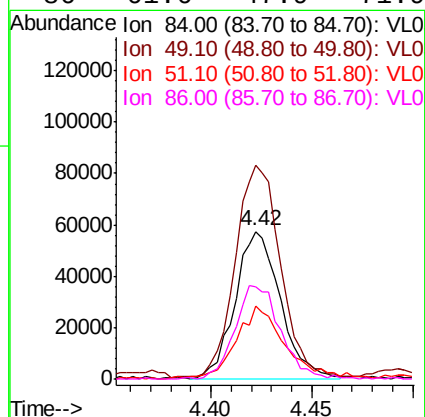
Ion Ratio Lower Upper

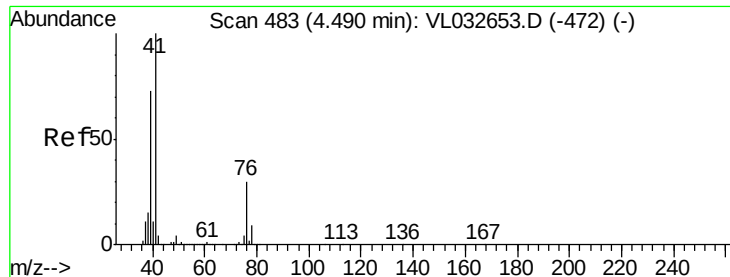
84 100

49 143.0 113.5 170.3

51 48.1 34.8 52.2

86 61.6 47.9 71.9





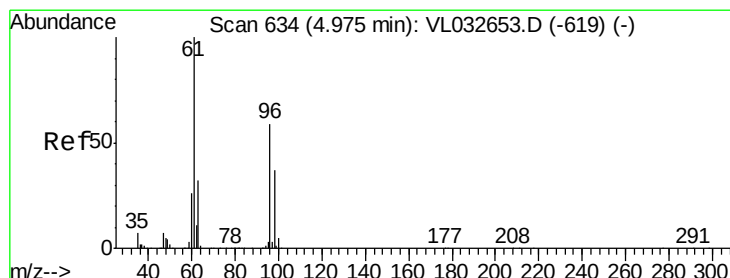
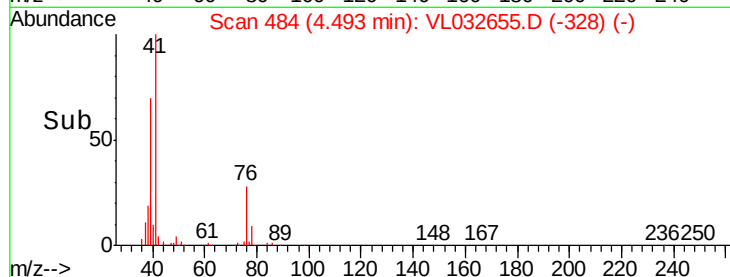
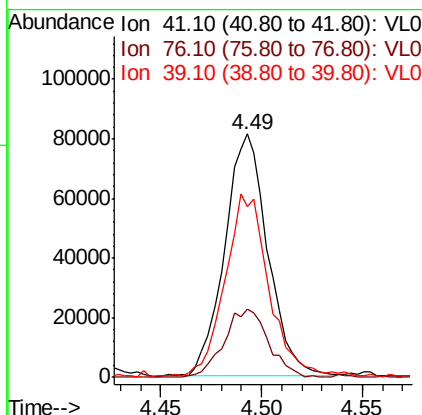
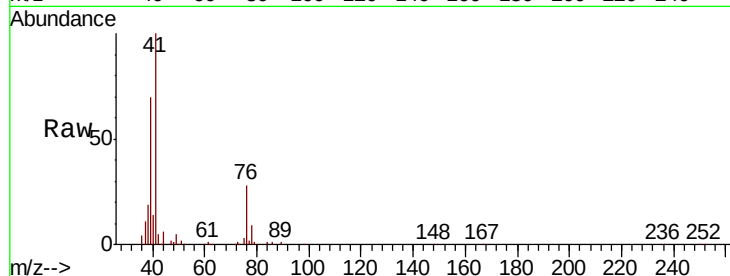
#21
Allvl Chloride
Concen: 1.025 ppbv
RT: 4.49 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.0	24.3	36.5
39	78.3	60.3	90.5

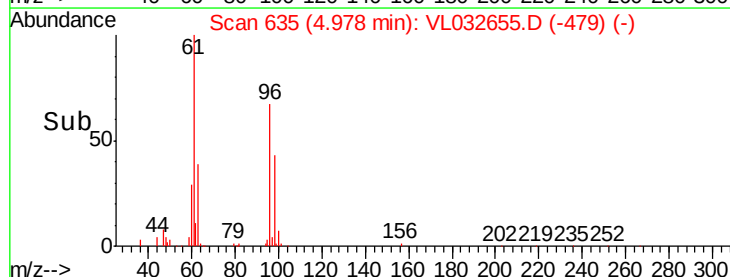
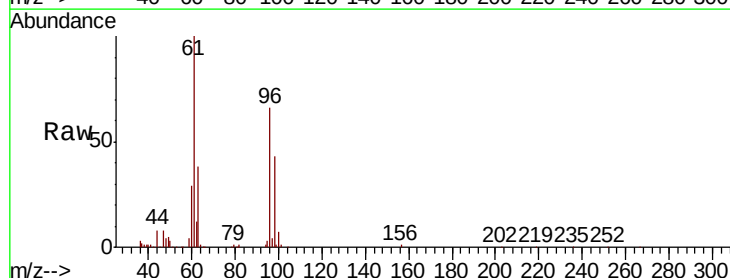
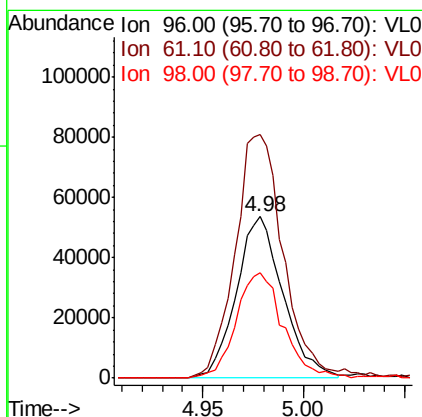
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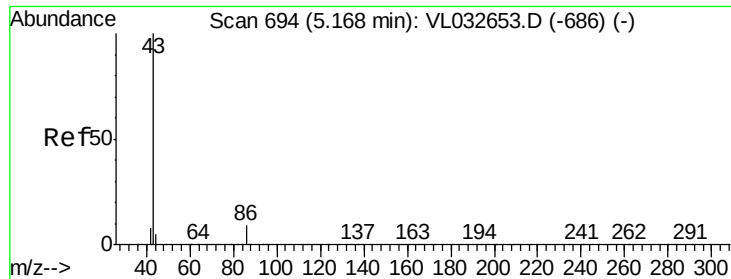
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#22
trans-1,2-Dichloroethene
Concen: 1.008 ppbv
RT: 4.98 min Scan# 635
Delta R.T. 0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.7	140.4	210.6
98	65.3	55.0	82.6





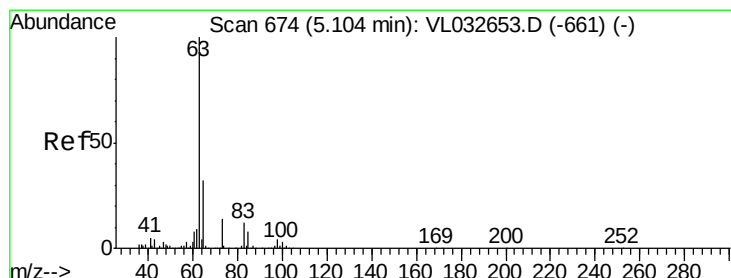
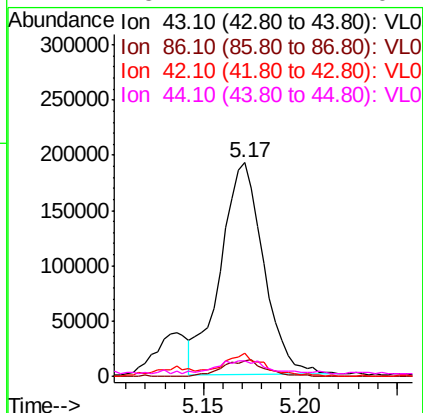
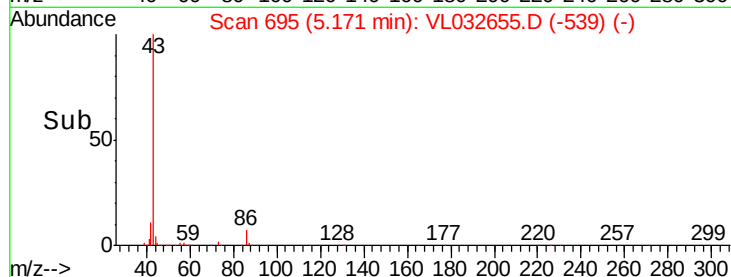
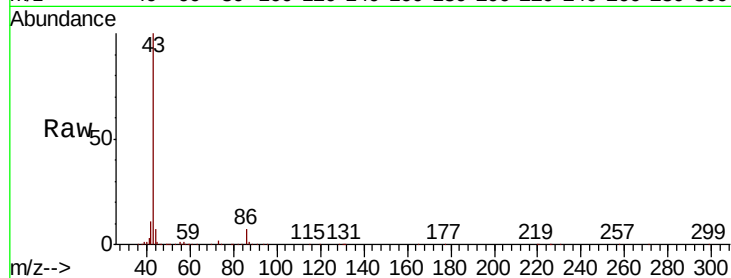
#23
 Vinyl Acetate
 Concen: 1.196 ppbv
 RT: 5.17 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		297471		
86	7.6	6.1	9.1		
42	10.9	7.4	11.2		
44	5.7	4.2	6.2		

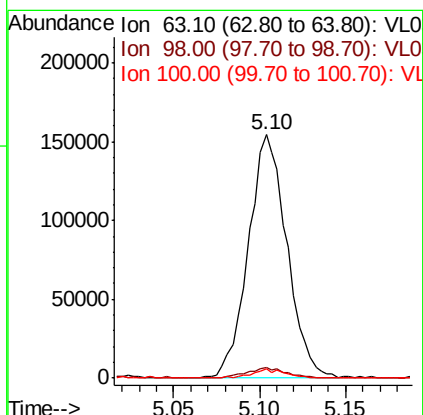
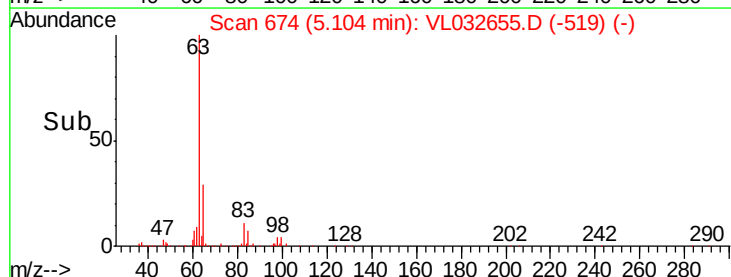
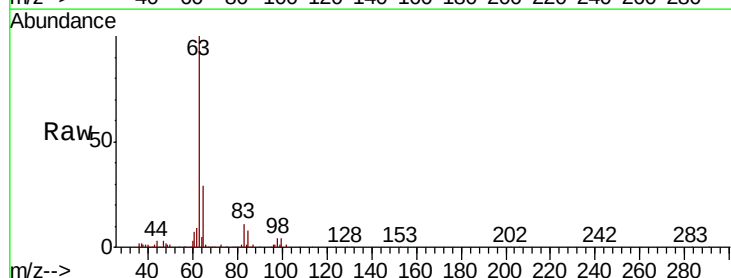
Manual Integrations
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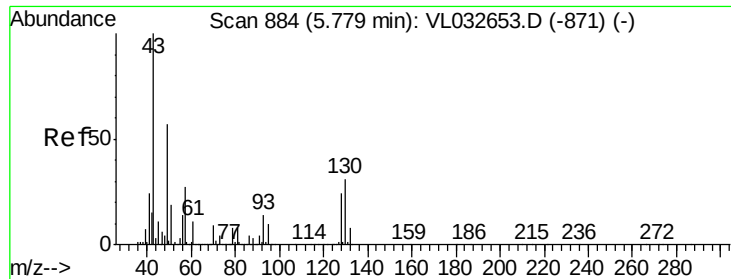
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 1.039 ppbv
 RT: 5.10 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		239645		
98	4.2	2.1	6.3		
100	3.7	1.2	3.6#		





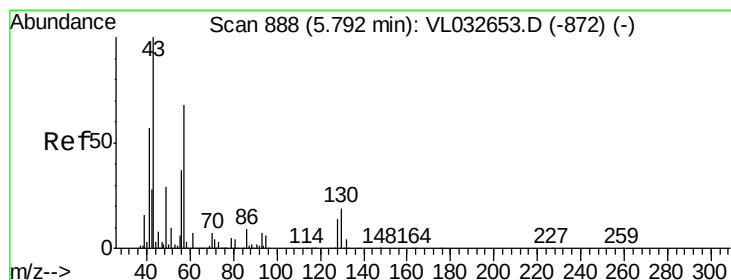
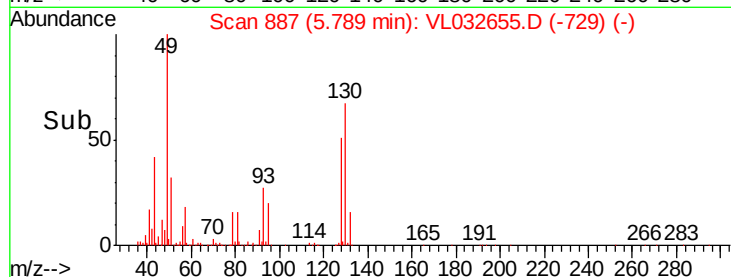
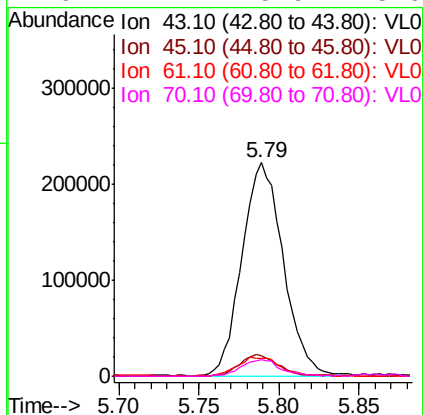
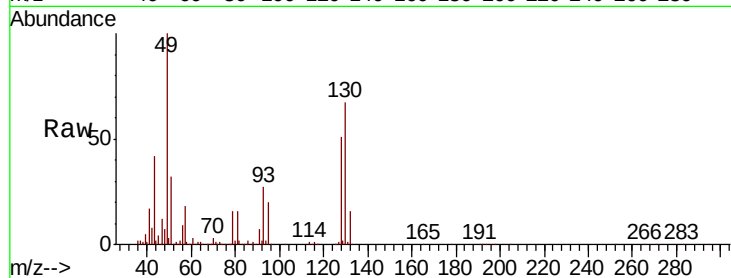
#25
Ethyl Acetate
Concen: 1.059 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.1		8.0	12.0	
61	9.6		8.0	12.0	
70	7.4		5.9	8.9	

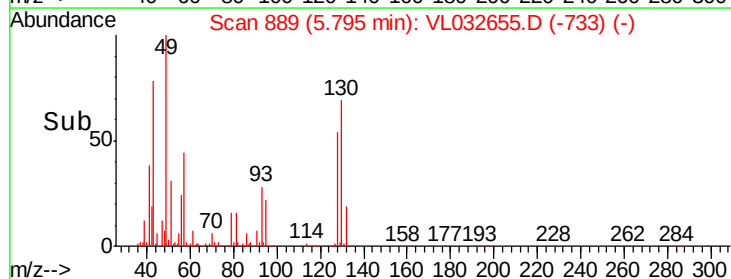
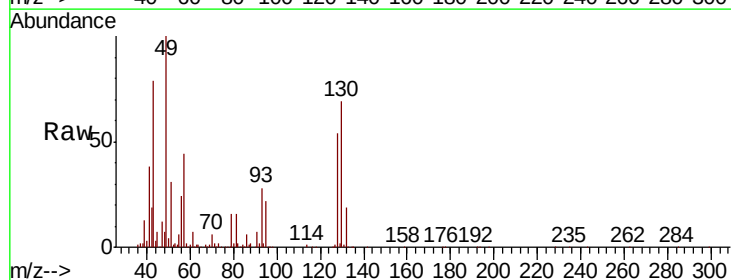
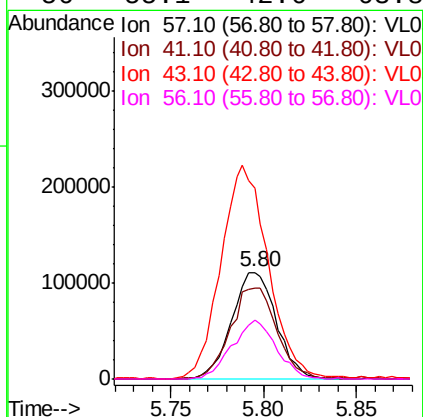
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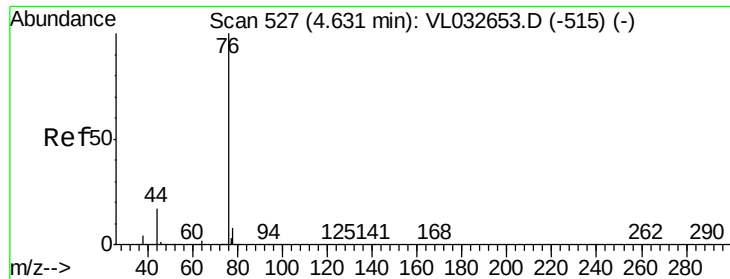
MMDadoda
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#26
Hexane
Concen: 1.107 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	90.0		67.4	101.0	
43	213.7		171.9	257.9	
56	55.1		42.6	63.8	





#27

Carbon Disulfide

Concen: 1.035 ppbv

RT: 4.64 min Scan# 529

Delta R.T. 0.01 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

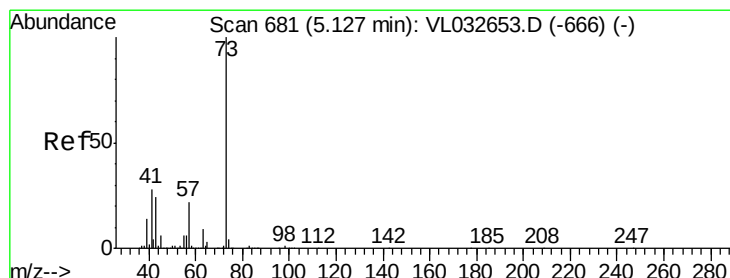
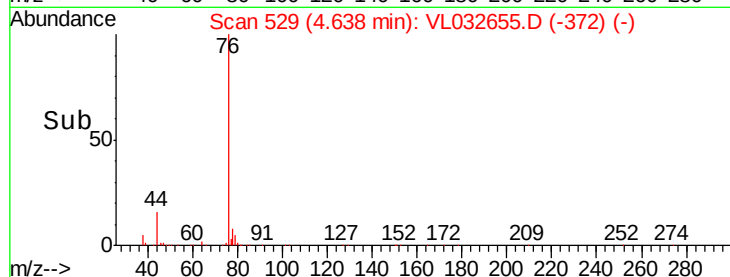
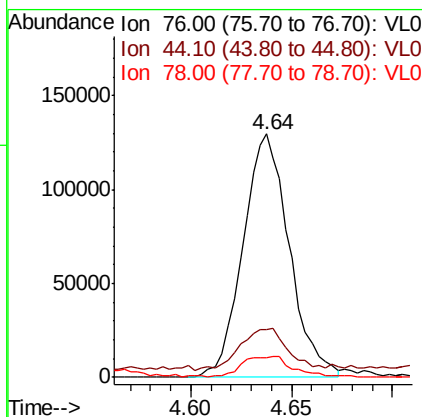
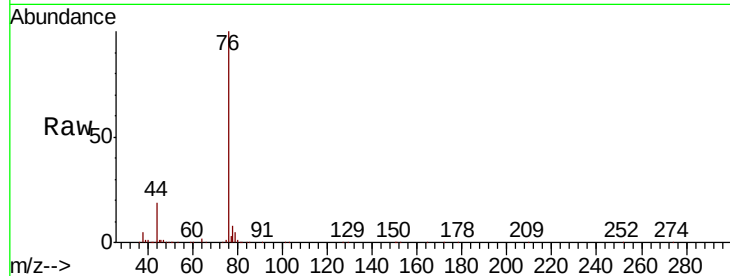
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	208444
Ion Ratio	Lower	Upper	
76	100		
44	20.8	13.7	20.5#
78	9.8	7.4	11.2

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.243 ppbv

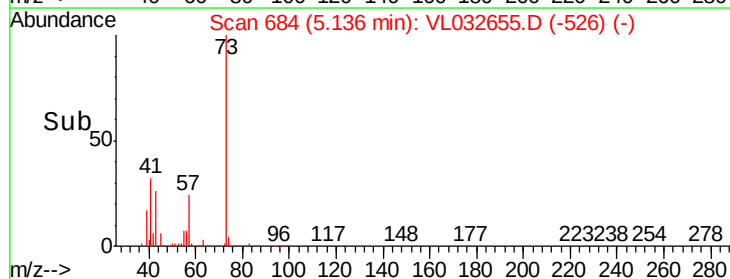
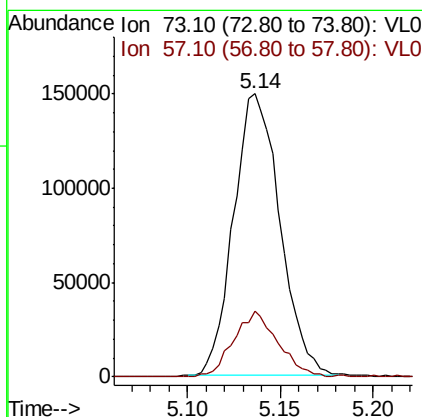
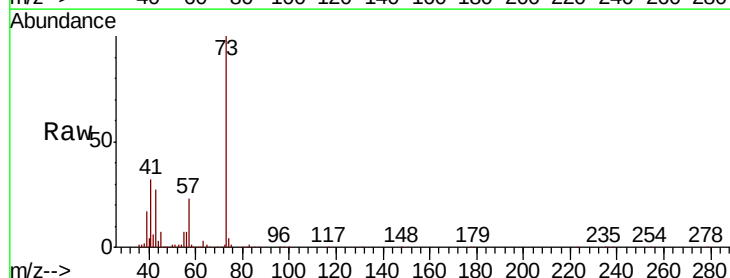
RT: 5.14 min Scan# 684

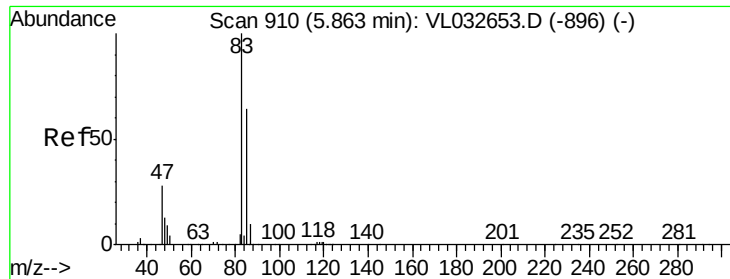
Delta R.T. 0.01 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Tgt Ion:	73	Resp:	260370
Ion Ratio	Lower	Upper	
73	100		
57	22.6	18.0	27.0





#29

Chloroform

Concen: 1.032 ppbv

RT: 5.86 min Scan# 909

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 301359

Ion Ratio Lower Upper

83 100

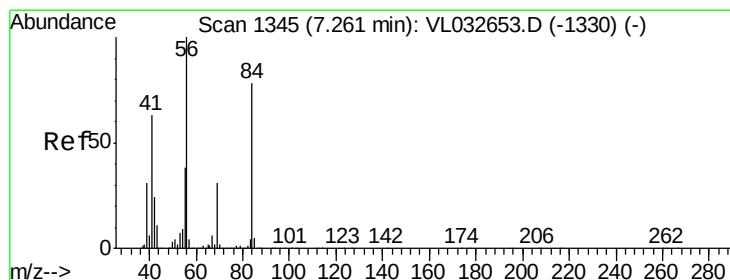
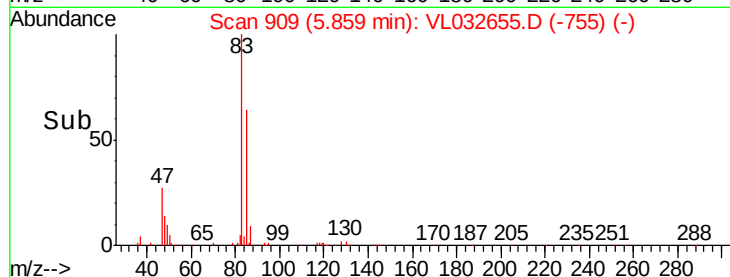
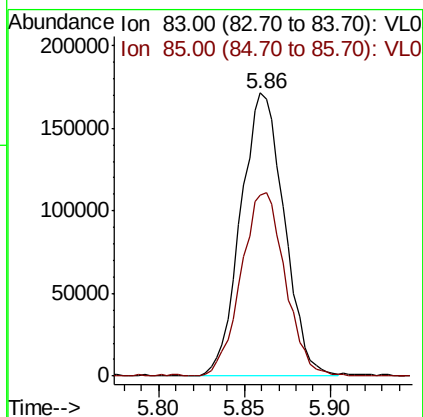
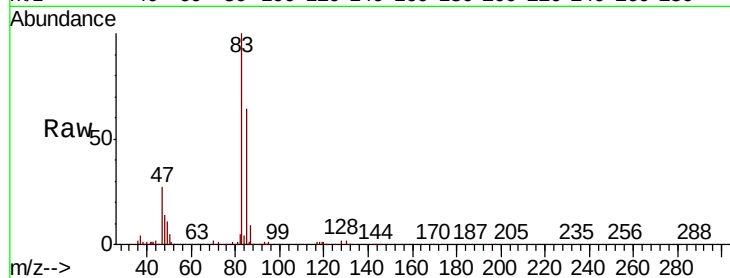
85 63.9 53.0 79.6

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#30

Cyclohexane

Concen: 1.004 ppbv

RT: 7.26 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

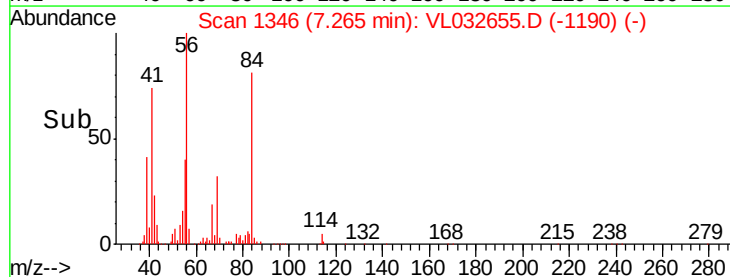
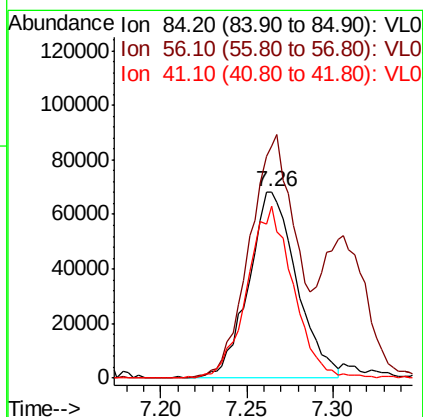
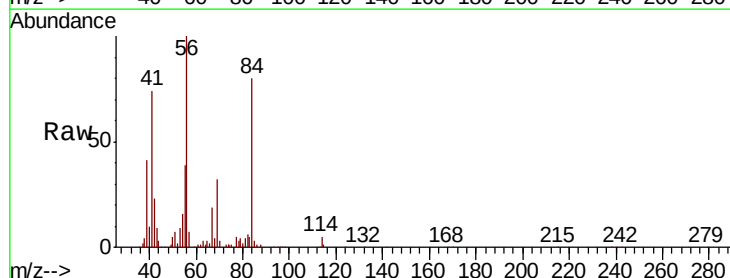
Tgt Ion: 84 Resp: 132001

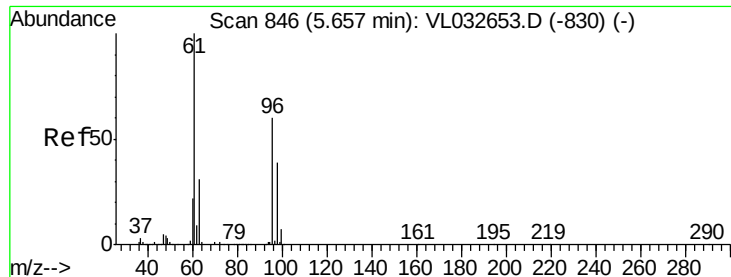
Ion Ratio Lower Upper

84 100

56 124.9 108.3 162.5

41 88.6 64.8 97.2





#31

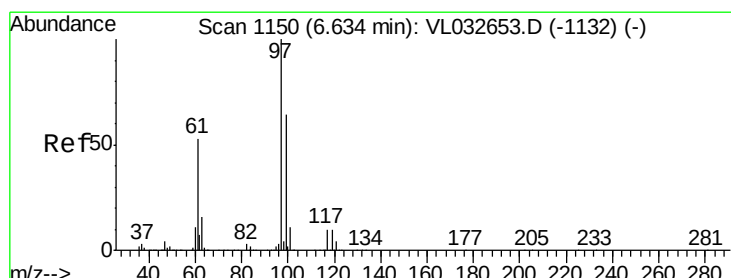
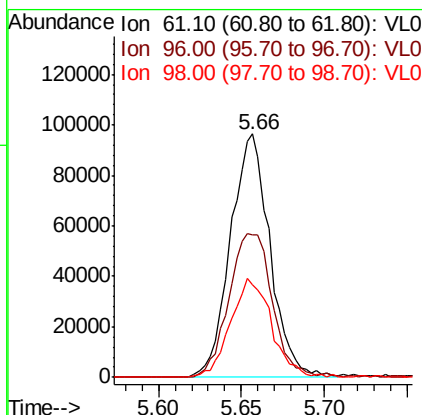
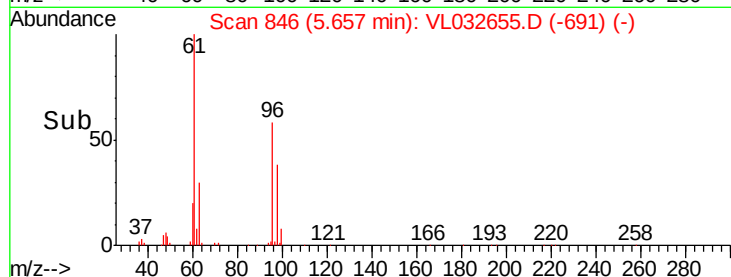
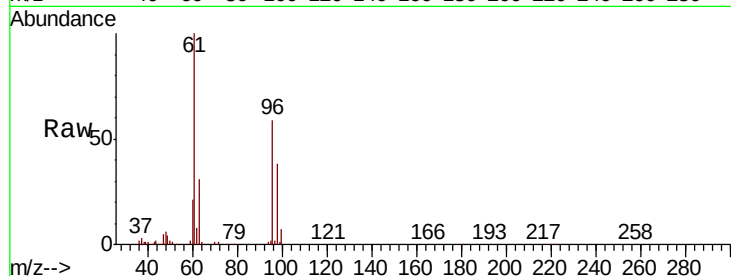
cis-1,2-Dichloroethene
Concen: 0.997 ppbv
RT: 5.66 min Scan# 846
Delta R.T. -0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	61	Resp	159605
Ion	Ratio	Lower	Upper
61	100		
96	58.4	51.8	77.6
98	38.0	33.8	50.6

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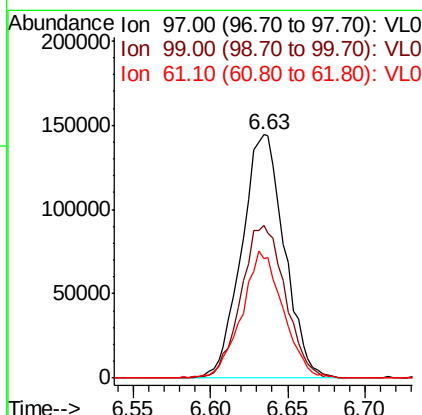
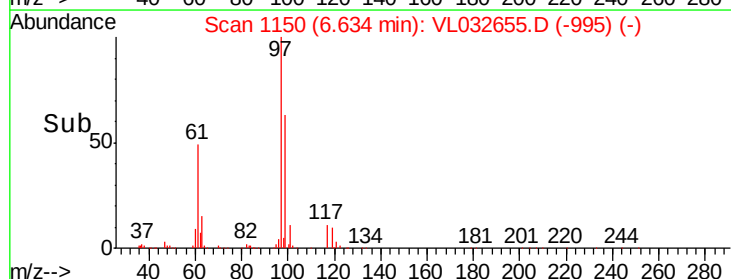
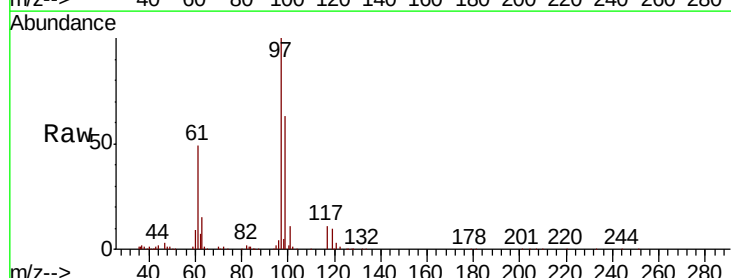
MMDadoda
10/24/2018 12:04:26 PM

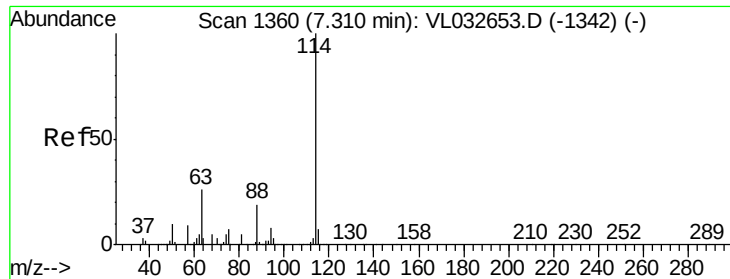


#32

1,1,1-Trichloroethane
Concen: 0.954 ppbv
RT: 6.63 min Scan# 1150
Delta R.T. -0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion	97	Resp	277945
Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	50.6	40.7	61.1





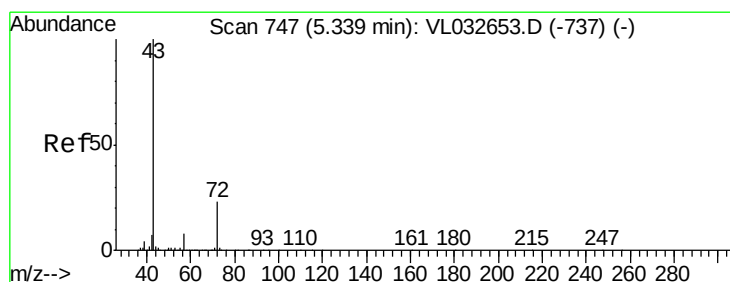
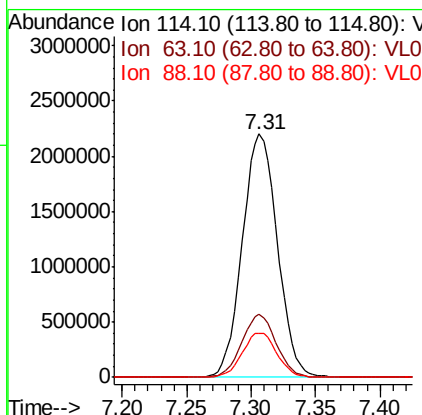
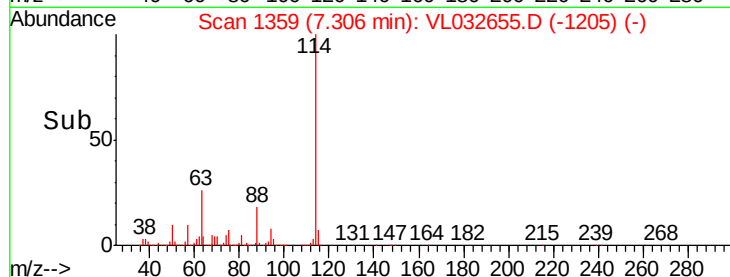
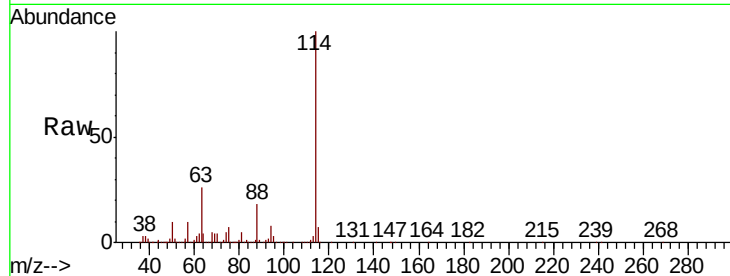
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.7	32.5
88	18.2	14.9	22.3

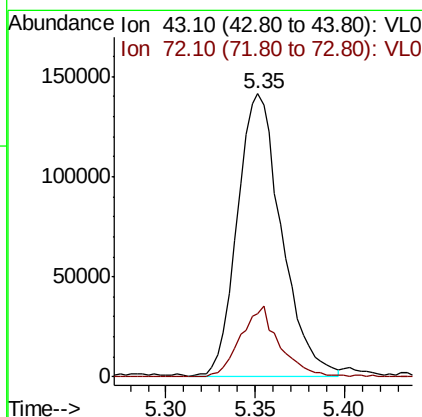
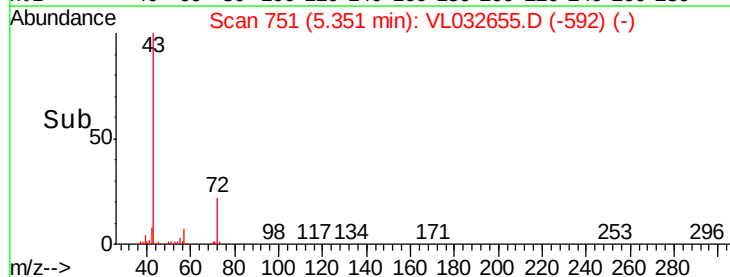
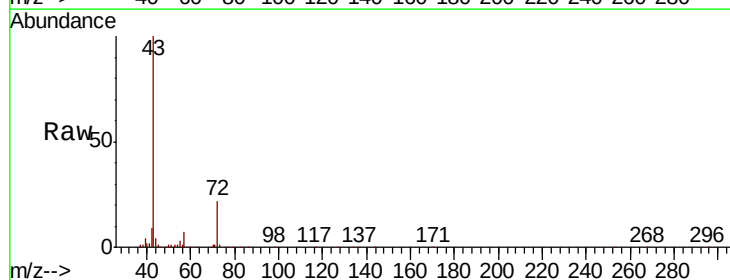
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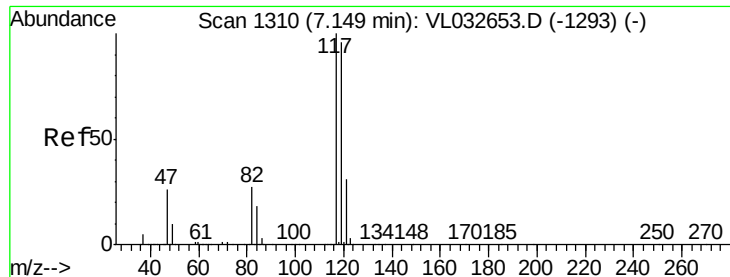
MMDadoda
 10/24/2018 12:04:26 PM



#34
 2-Butanone
 Concen: 1.051 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.6	27.8





#35

Carbon Tetrachloride

Concen: 0.914 ppbv

RT: 7.15 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

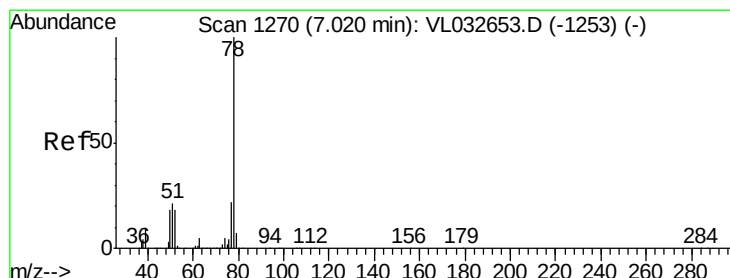
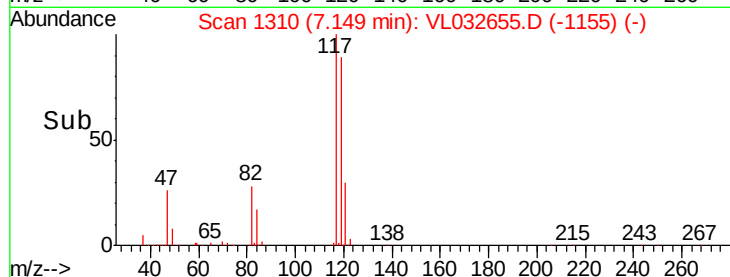
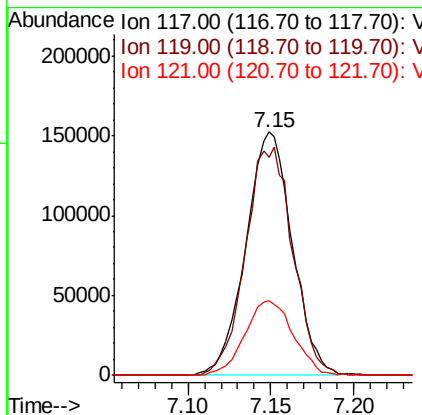
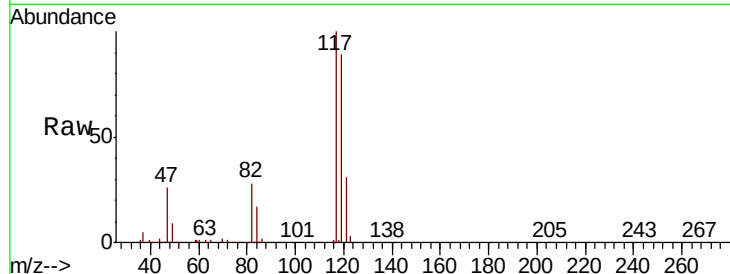
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	296039
Ion Ratio	Lower	Upper	
117	100		
119	89.4	75.7	113.5
121	30.7	24.7	37.1

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#36

Benzene

Concen: 1.015 ppbv

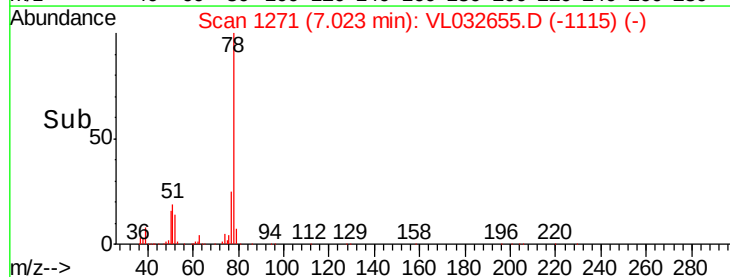
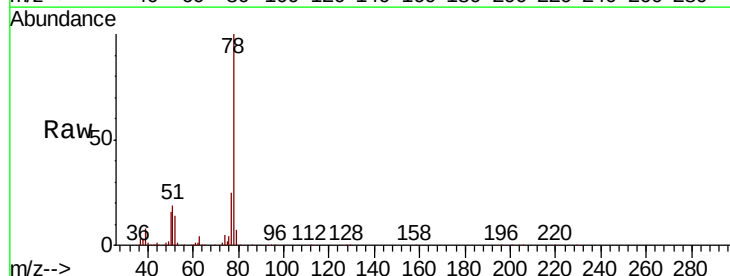
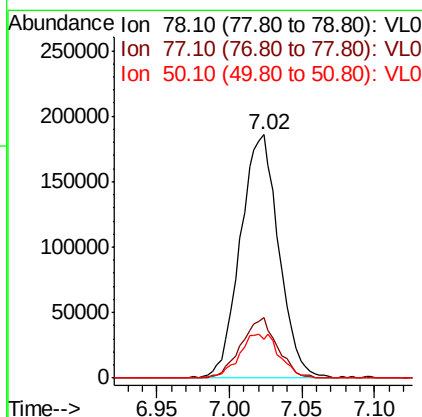
RT: 7.02 min Scan# 1271

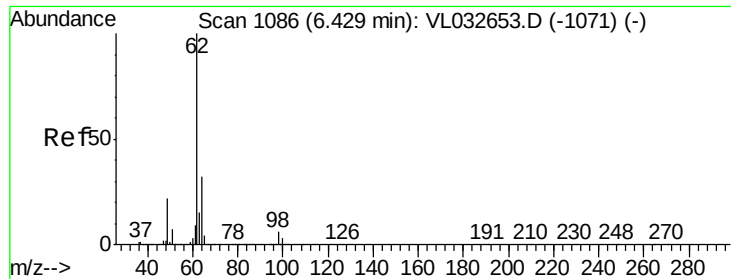
Delta R.T. 0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Tgt Ion:	78	Resp:	343818
Ion Ratio	Lower	Upper	
78	100		
77	25.1	18.1	27.1
50	15.9	15.1	22.7





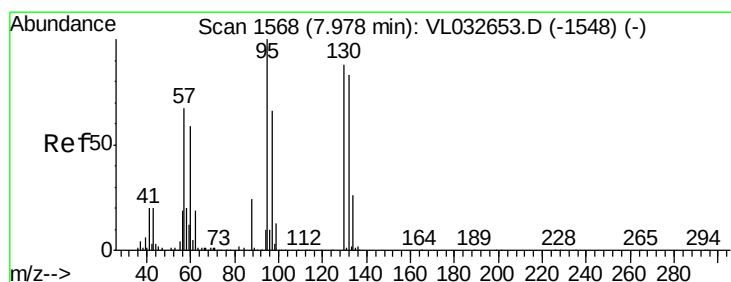
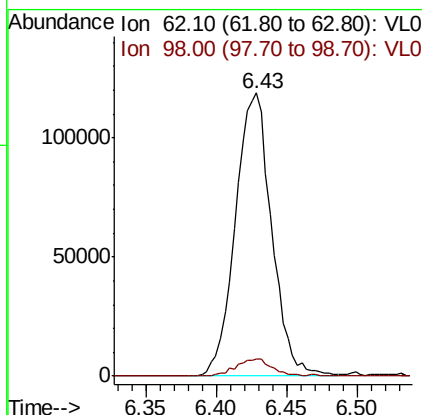
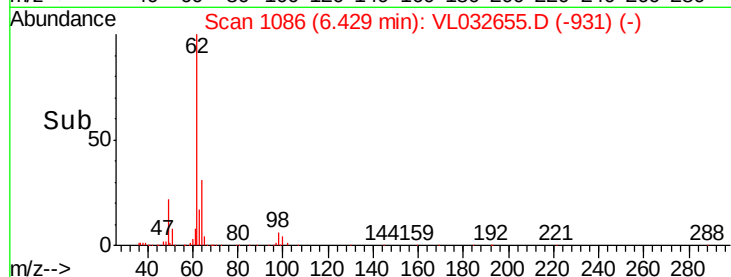
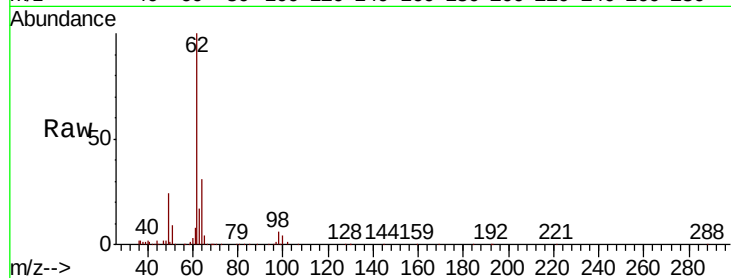
#37
 1,2-Dichloroethane
 Concen: 0.923 ppbv
 RT: 6.43 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	214488		
98	6.2		4.4	6.6

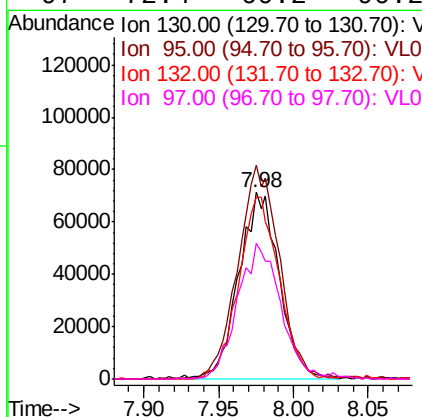
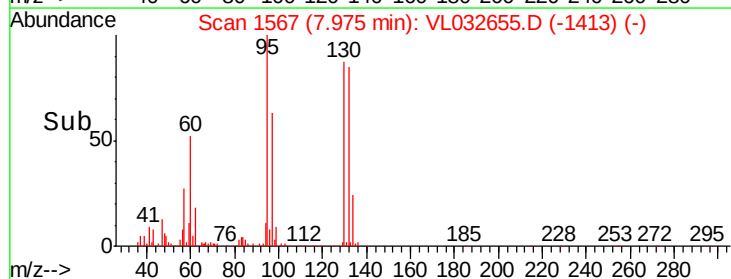
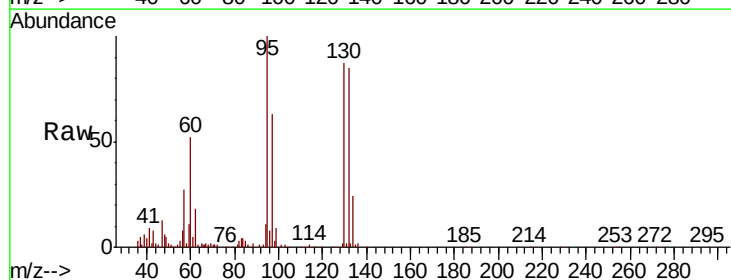
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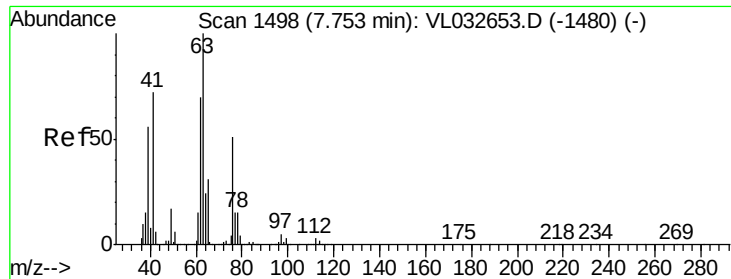
MMDadoda
 10/24/2018 12:04:26 PM



#38
 Trichloroethene
 Concen: 1.047 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	133400		
95	114.1		93.4	140.0
132	97.3		76.5	114.7
97	72.4		60.2	90.2





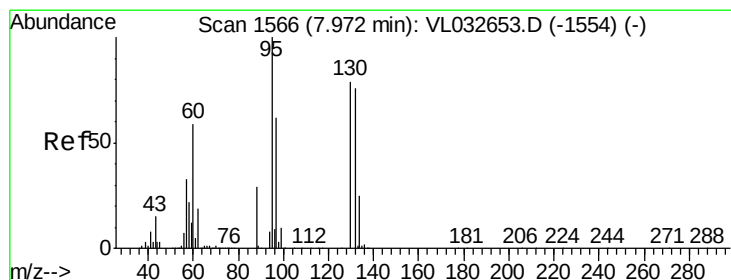
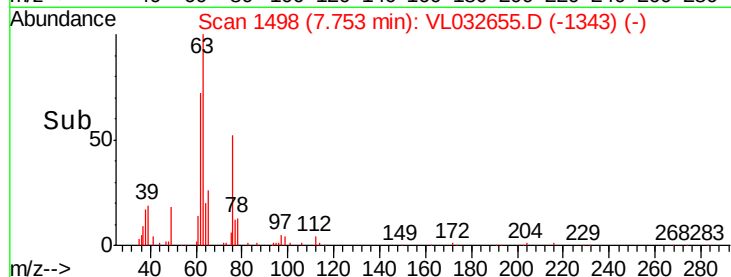
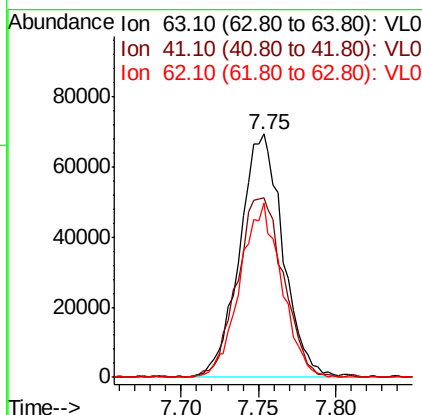
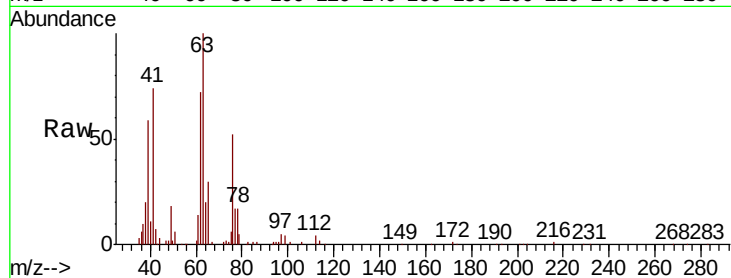
#39
 1,2-Dichloropropane
 Concen: 0.974 ppbv
 RT: 7.75 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	73.4	56.2	84.4
62	72.0	54.4	81.6

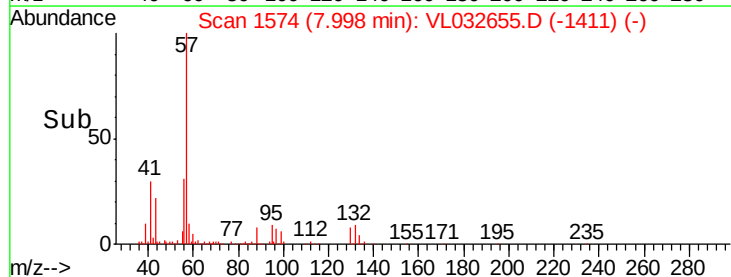
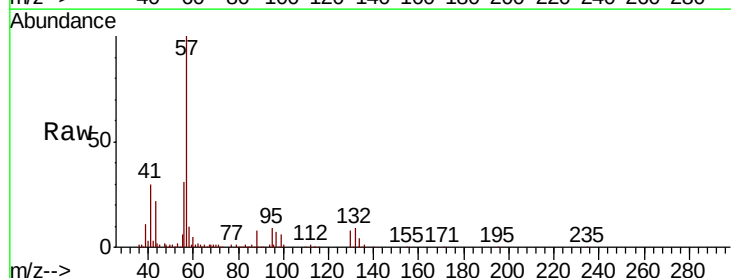
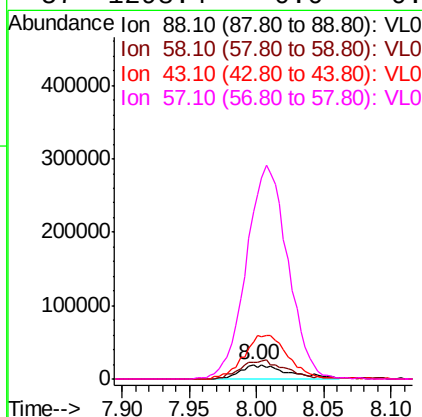
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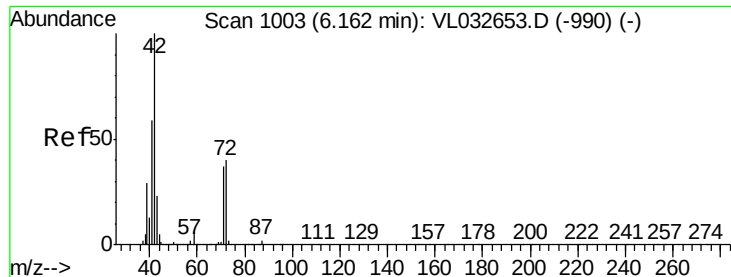
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#40
 1,4-Dioxane
 Concen: 1.012 ppbv m
 RT: 8.00 min Scan# 1574
 Delta R.T. 0.03 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	132.1	104.0	156.0
43	287.0	0.0	0.0#
57	1298.4	0.0	0.0#





#41

Tetrahydrofuran

Concen: 0.956 ppbv

RT: 6.18 min Scan# 1009

Delta R.T. 0.02 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

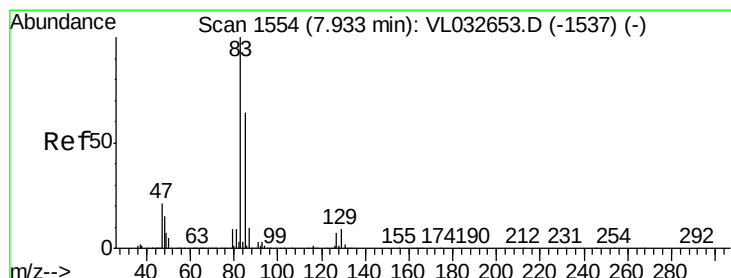
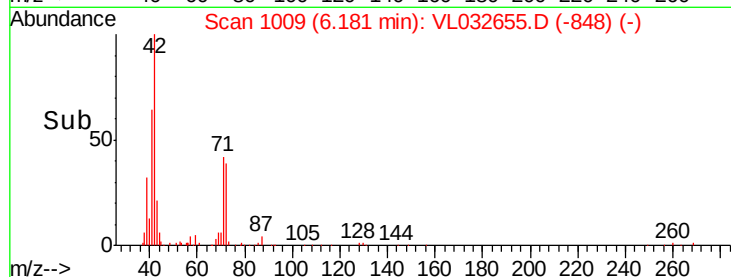
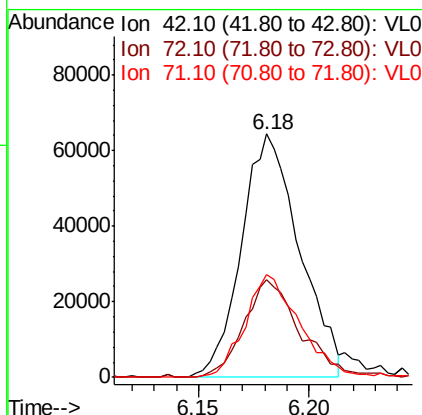
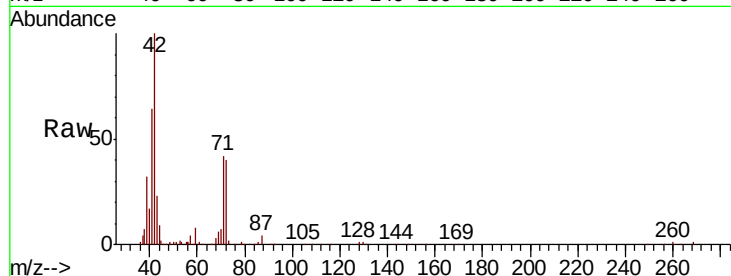
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.4	48.6
71	40.3	31.3	46.9

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.946 ppbv

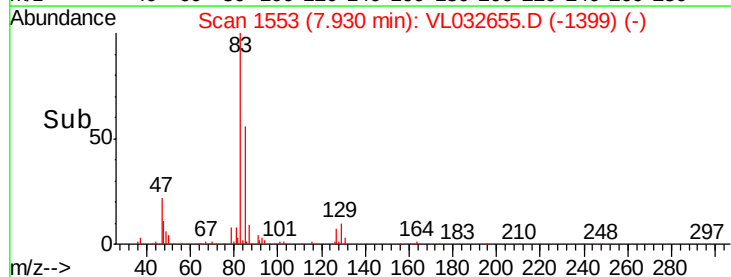
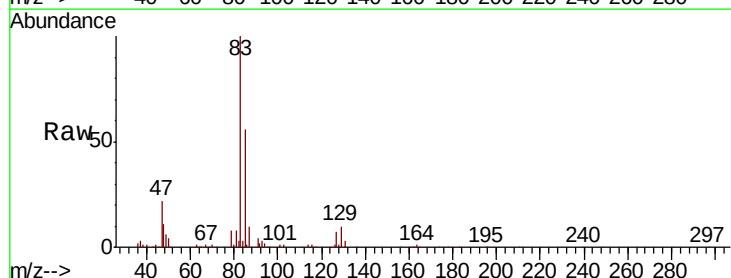
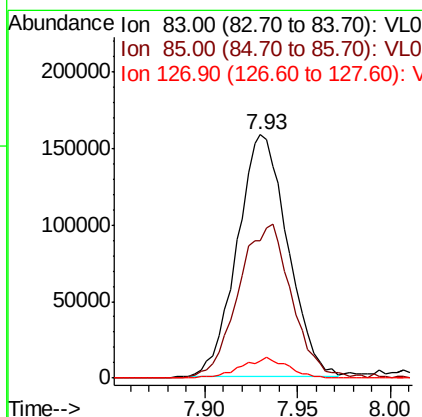
RT: 7.93 min Scan# 1553

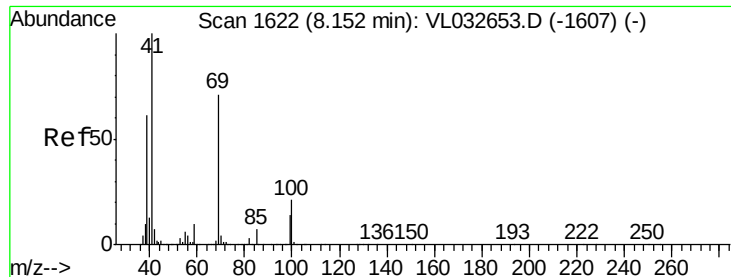
Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.0	52.4	78.6
127	7.0	6.1	9.1





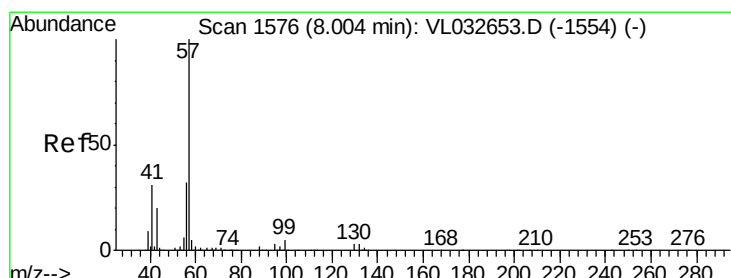
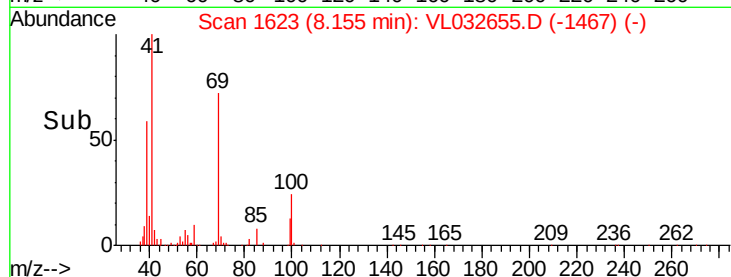
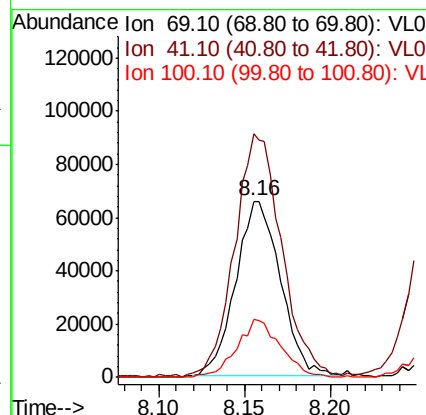
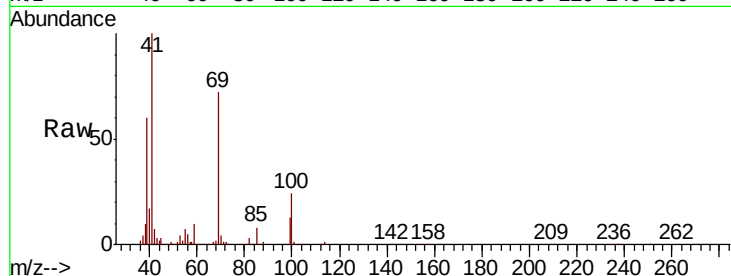
#43
Methyl Methacrylate
Concen: 0.900 ppbv
RT: 8.16 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	146.3	113.2	169.8	
100	32.8	24.4	36.6	

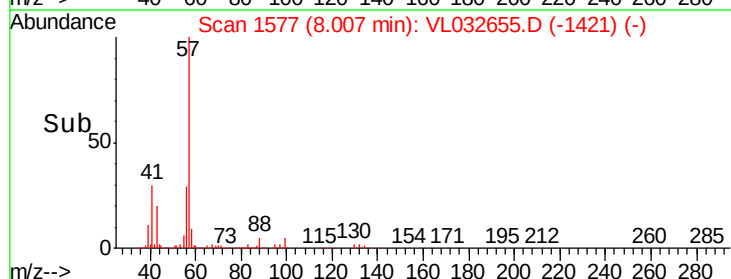
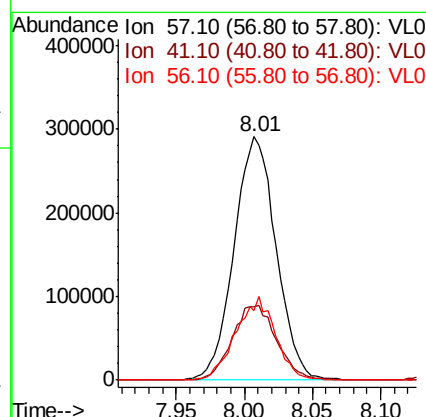
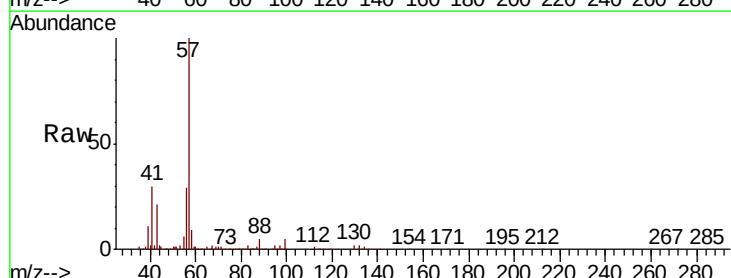
Manual Integrations
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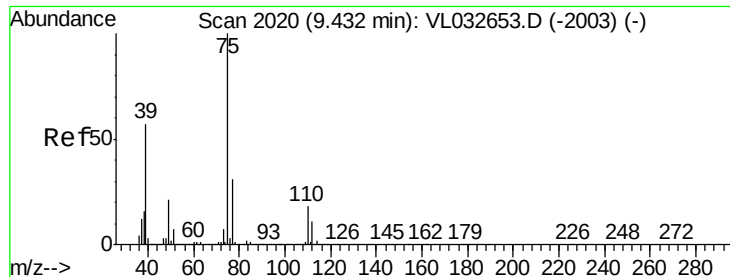
MMDadoda
10/24/2018 12:04:26 PM



#44
2,2,4-Trimethylpentane
Concen: 1.029 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.1	24.7	37.1	
56	32.7	25.0	37.4	





#45

t-1,3-Dichloropropene

Concen: 0.833 ppbv

RT: 9.43 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 143095

Ion Ratio Lower Upper

75 100

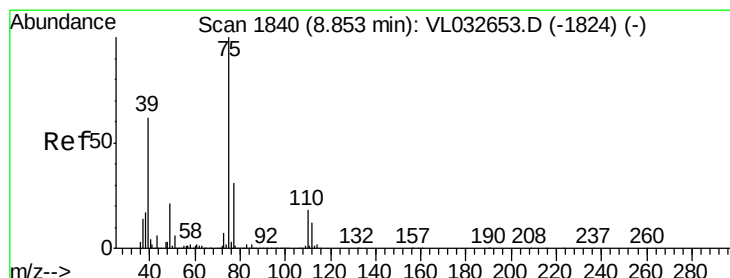
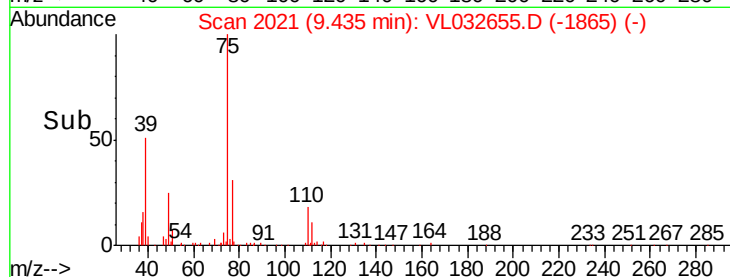
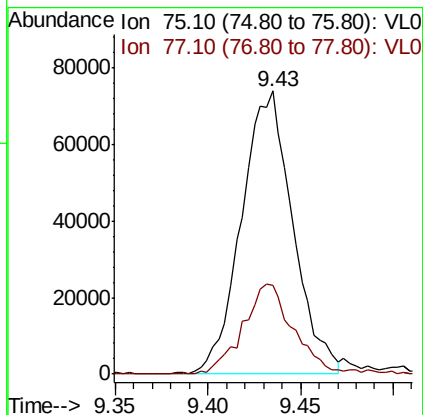
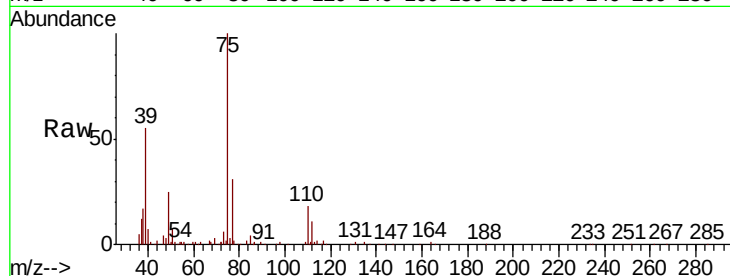
77 33.2 25.3 37.9

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 0.920 ppbv

RT: 8.85 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

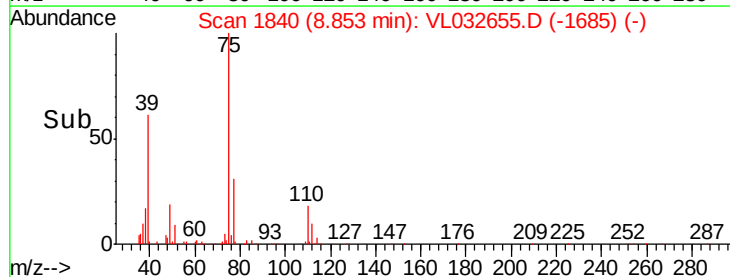
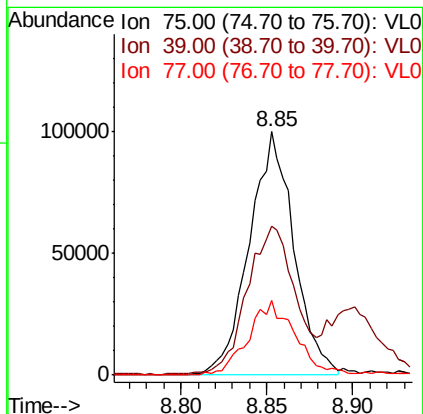
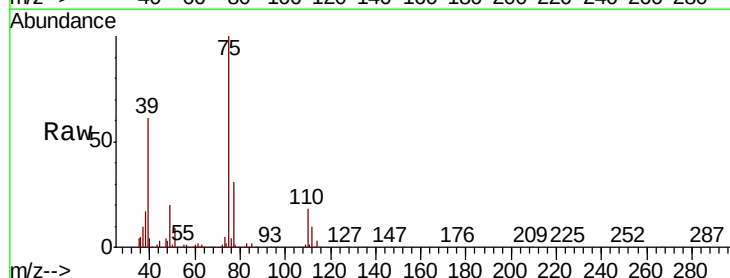
Tgt Ion: 75 Resp: 179984

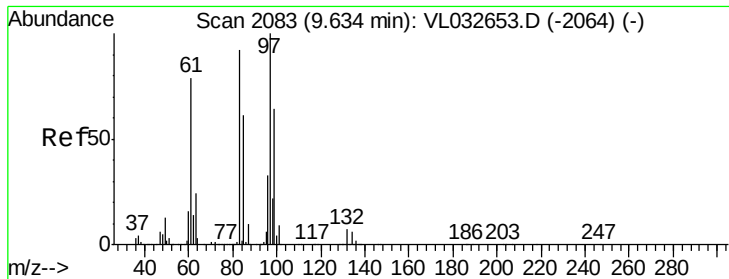
Ion Ratio Lower Upper

75 100

39 60.1 50.9 76.3

77 30.9 25.8 38.6





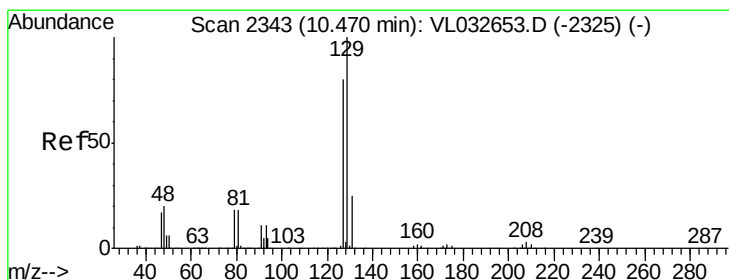
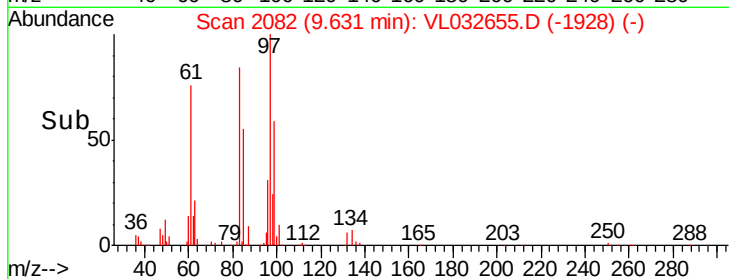
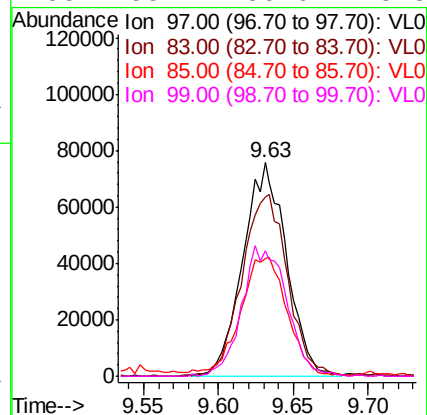
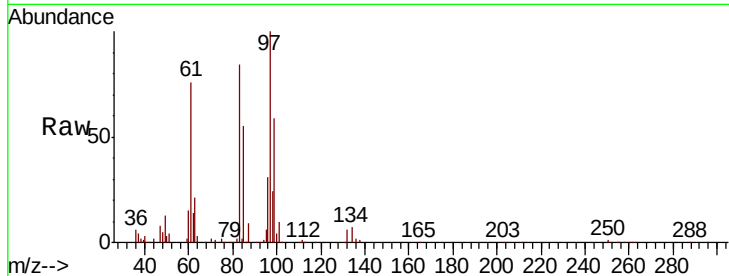
#47
 1,1,2-Trichloroethane
 Concen: 0.930 ppbv
 RT: 9.63 min Scan# 2082
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		153086		
83	83.6	73.5	110.3		
85	54.1	45.8	68.6		
99	58.2	50.6	75.8		

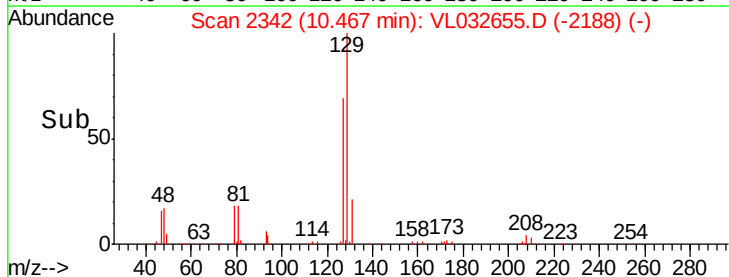
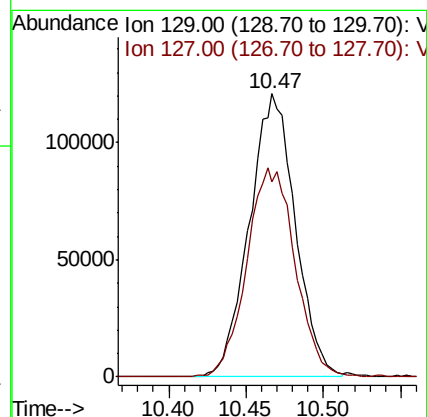
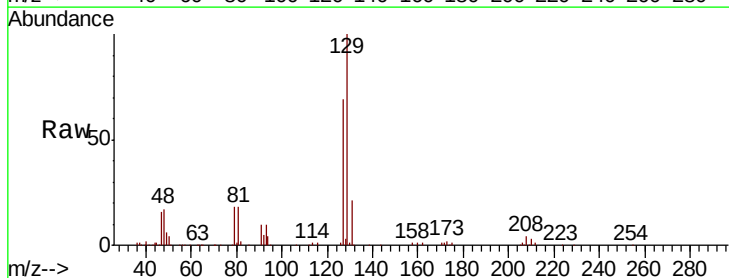
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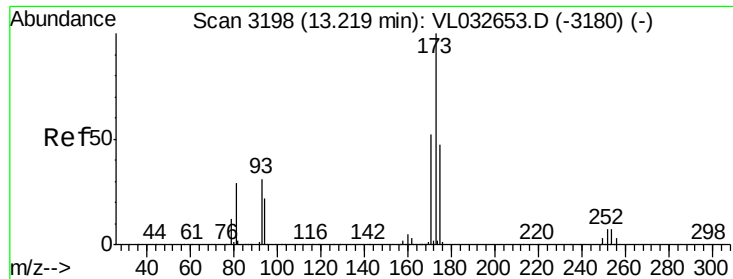
MMDadoda
 10/24/2018 12:04:26 PM



#48
 Dibromochloromethane
 Concen: 0.892 ppbv
 RT: 10.47 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		249419		
127	77.9	39.1	117.5		





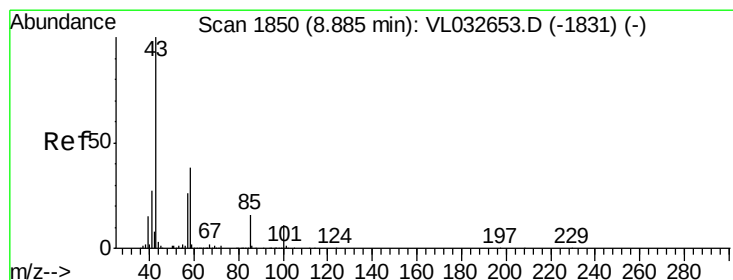
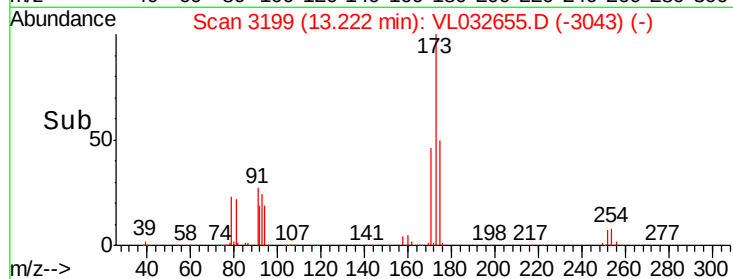
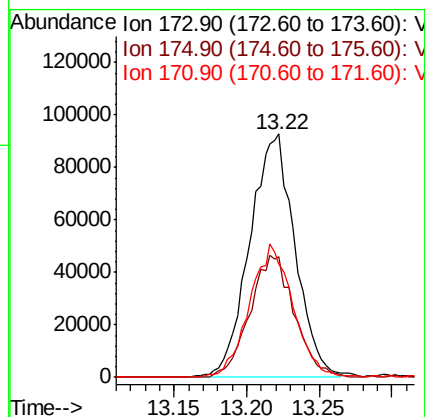
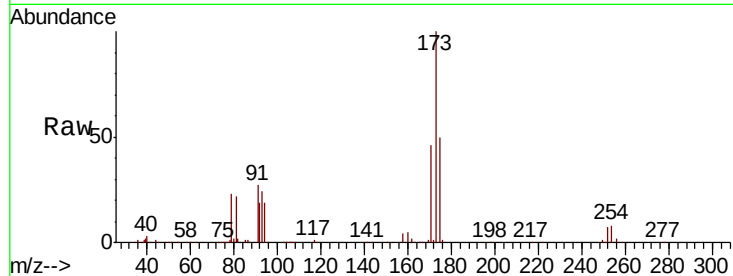
#49
Bromoform
Concen: 0.955 ppbv
RT: 13.22 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.0	58.4
171	52.7	42.2	63.2

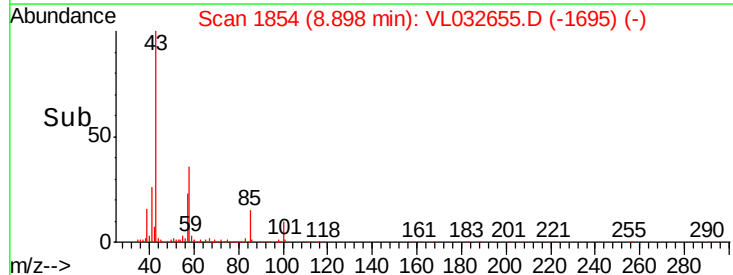
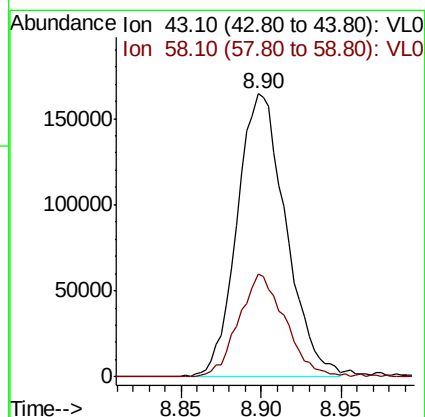
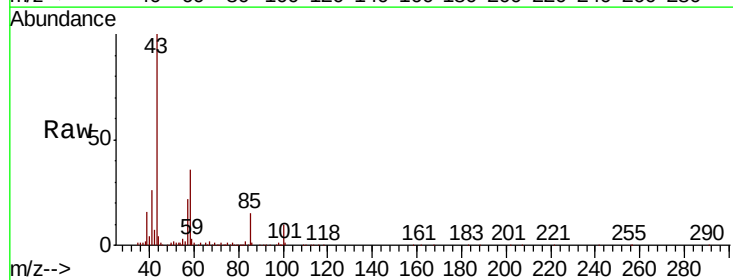
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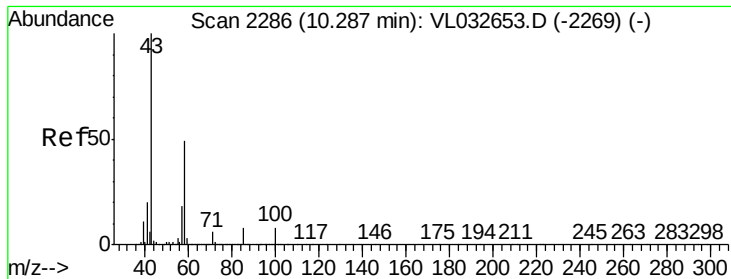
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#50
4-Methyl-2-Pentanone
Concen: 0.998 ppbv
RT: 8.90 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.7	44.5





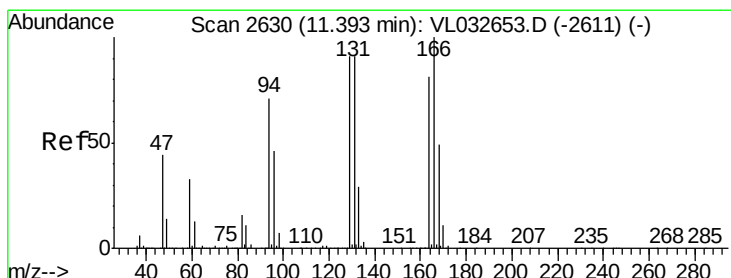
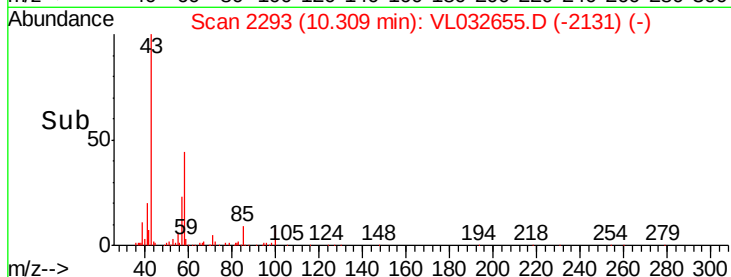
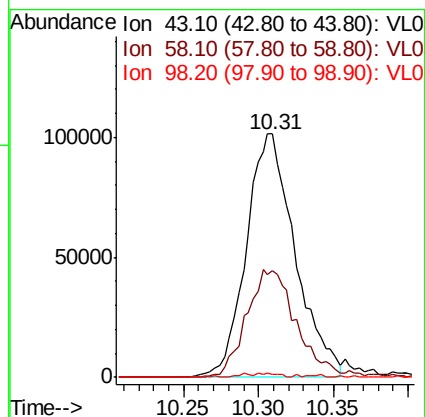
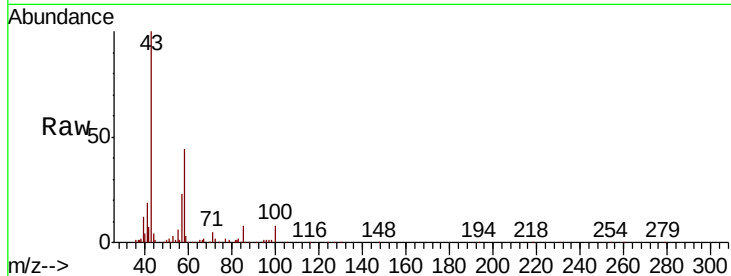
#51
2-Hexanone
Concen: 0.857 ppbv
RT: 10.31 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.3	40.4	60.6
98	1.3	0.4	0.6

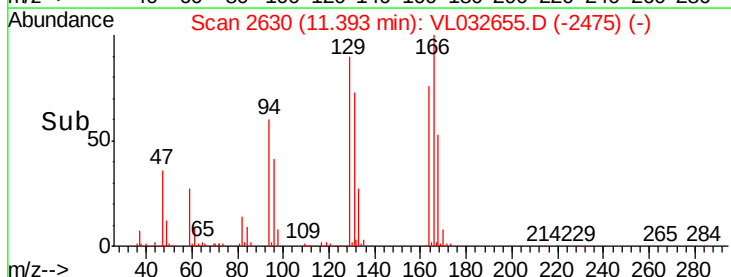
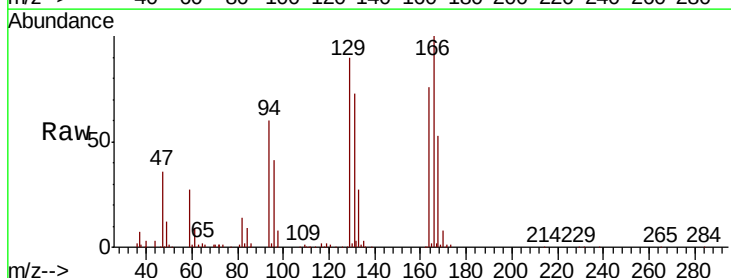
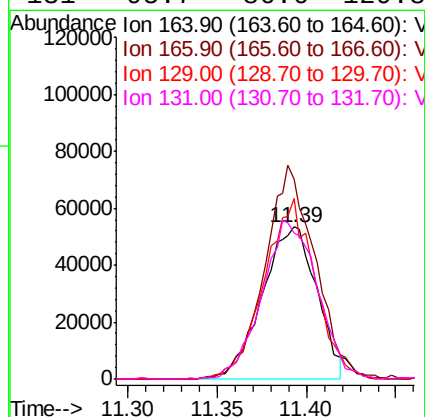
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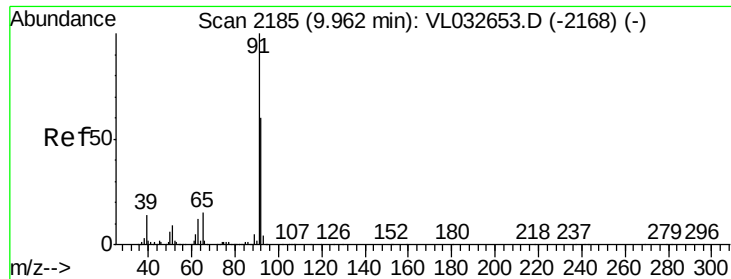
MMDadoda
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#52
Tetrachloroethene
Concen: 1.016 ppbv
RT: 11.39 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	100.5	150.7
129	118.4	90.0	135.0
131	95.7	86.6	129.8





#53

Toluene

Concen: 0.973 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 375833

Ion Ratio Lower Upper

91 100

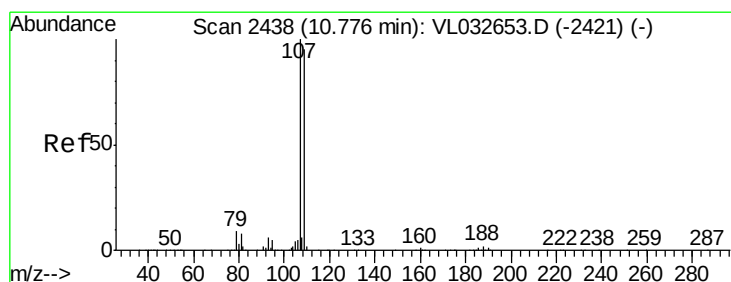
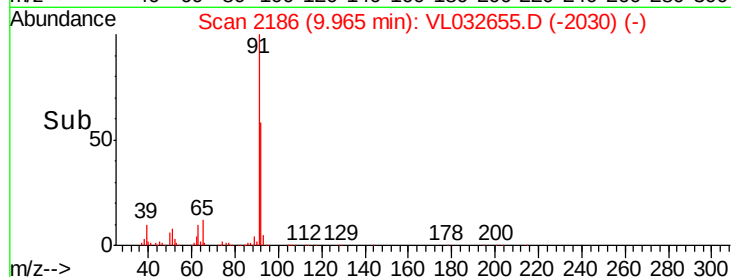
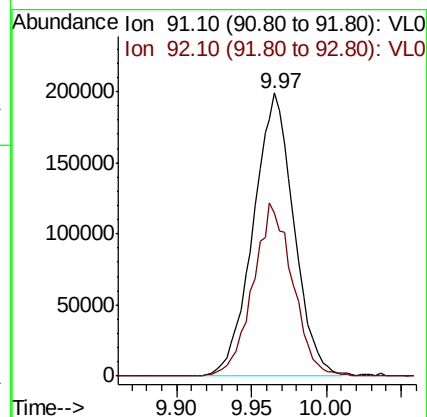
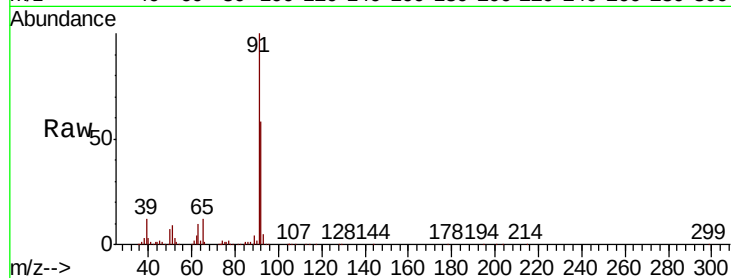
92 59.7 48.4 72.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.867 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL032655.D

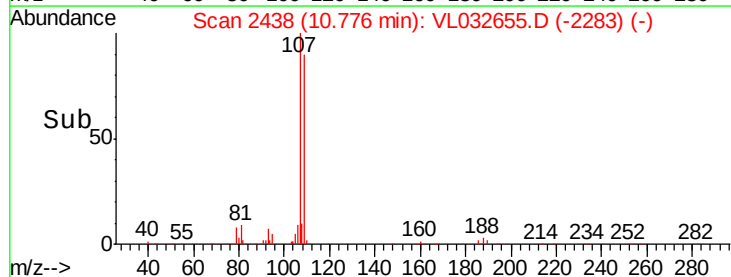
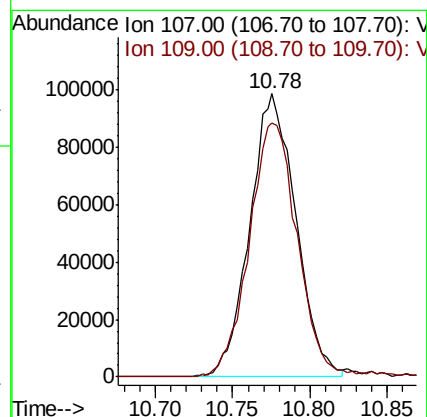
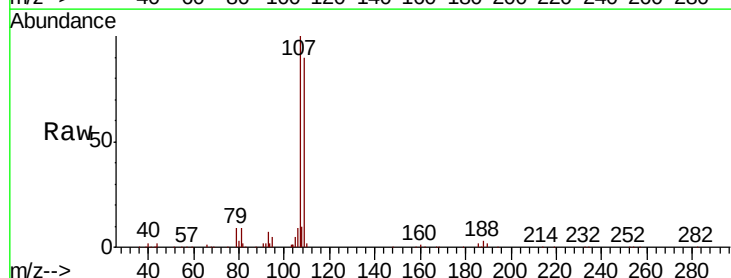
Acq: 18 Oct 2018 17:24

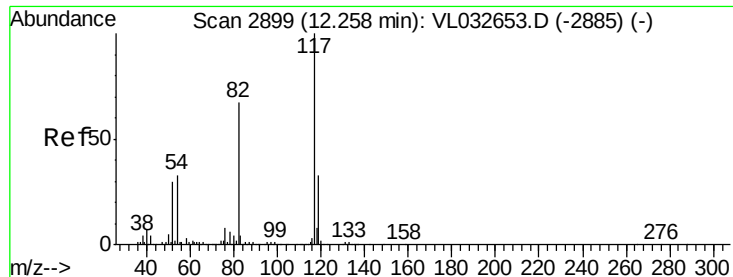
Tgt Ion: 107 Resp: 204552

Ion Ratio Lower Upper

107 100

109 89.8 75.3 112.9





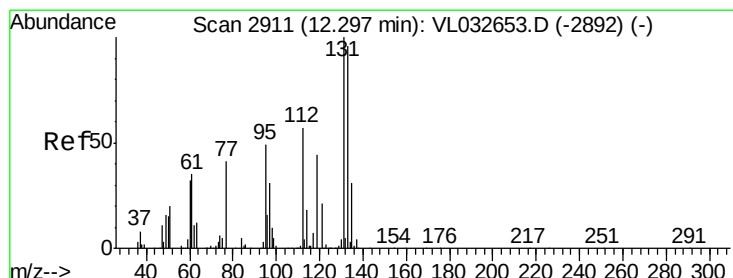
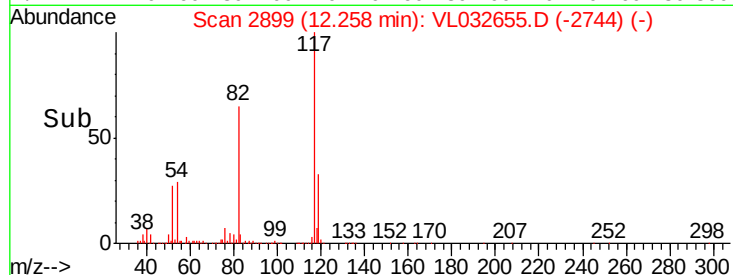
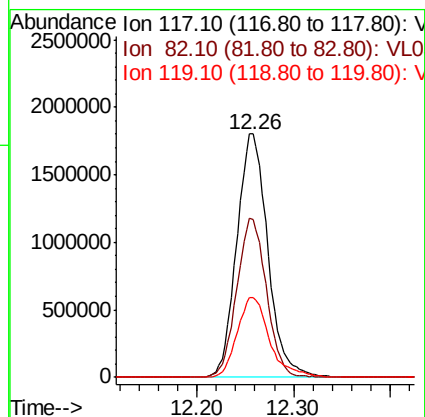
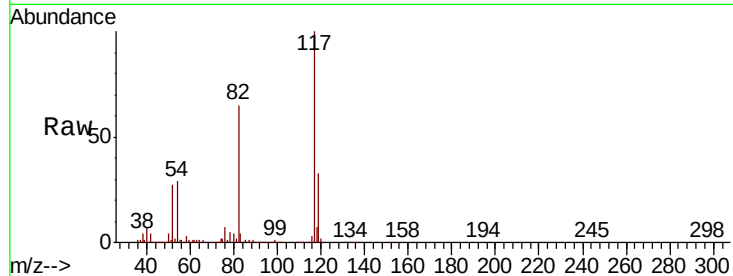
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 4023607
Ion Ratio Lower Upper
117 100
82 62.8 52.7 79.1
119 34.5 26.7 40.1

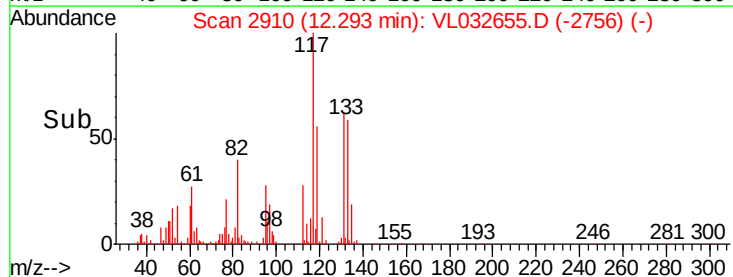
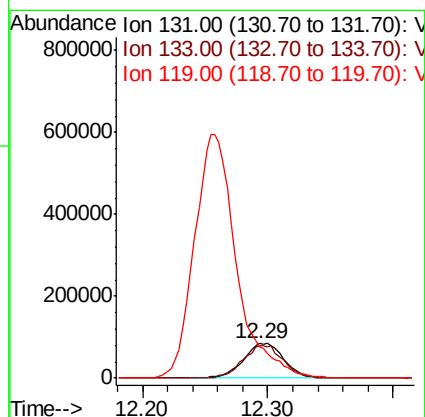
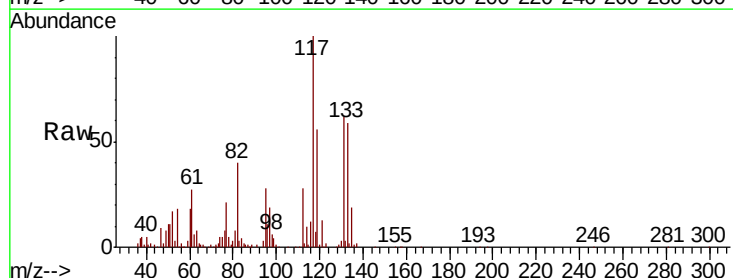
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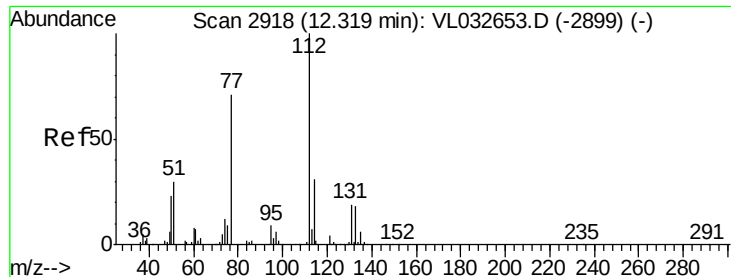
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.024 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion:131 Resp: 189113
Ion Ratio Lower Upper
131 100
133 94.2 75.4 113.2
119 733.8 49.1 73.7#





#57

Chlorobenzene

Concen: 1.037 ppbv

RT: 12.32 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

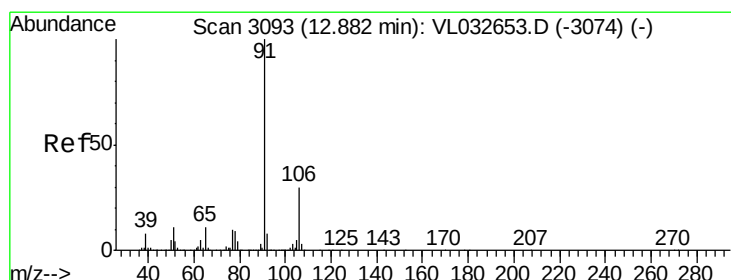
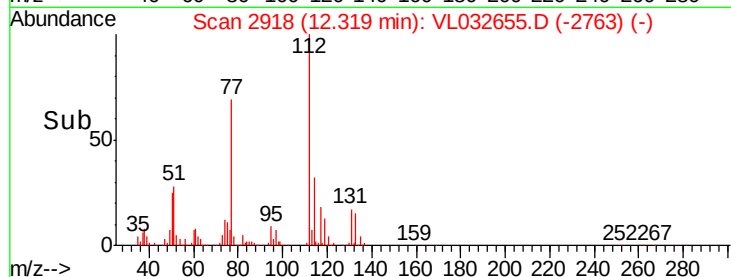
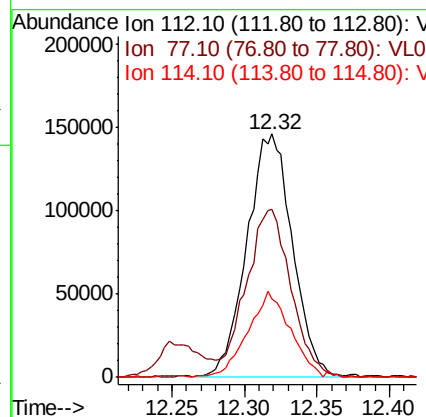
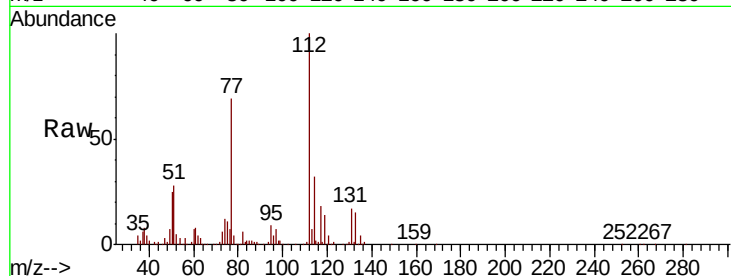
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	317261
Ion Ratio	Lower	Upper	
112	100		
77	69.6	56.8	85.2
114	32.6	30.3	37.1

Manual Integrations
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#58

Ethyl Benzene

Concen: 1.043 ppbv

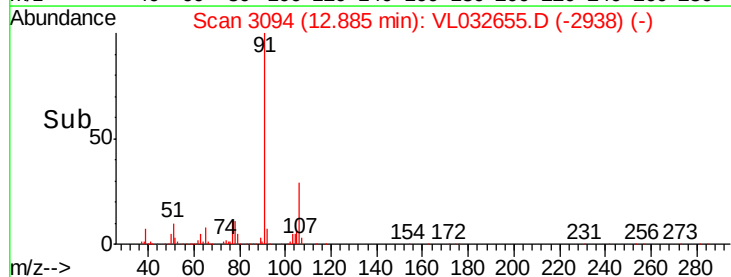
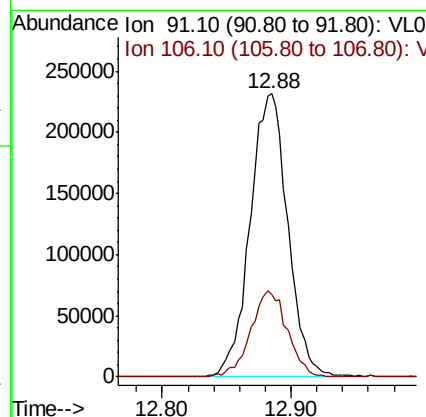
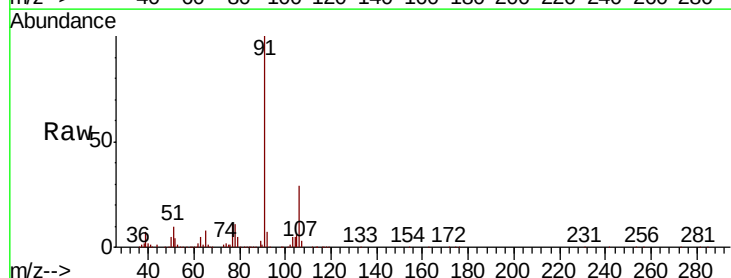
RT: 12.88 min Scan# 3094

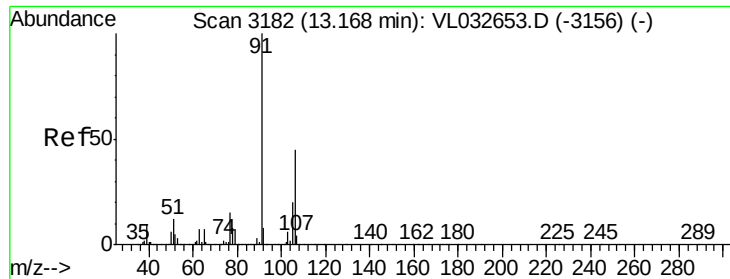
Delta R.T. 0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Tgt Ion:	91	Resp:	471129
Ion Ratio	Lower	Upper	
91	100		
106	29.3	24.2	36.2





#59

m/p-Xylene

Concen: 2.193 ppbv m

RT: 13.17 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 884451

Ion Ratio Lower Upper

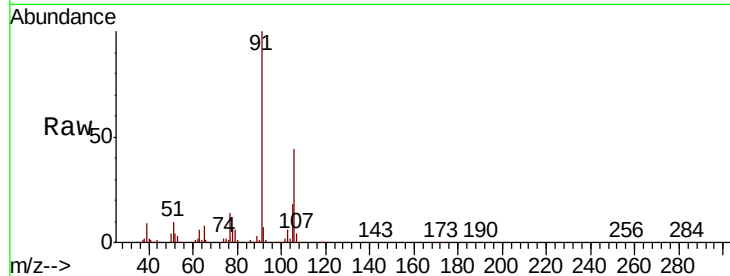
91 100

106 0.0 35.9 53.9#

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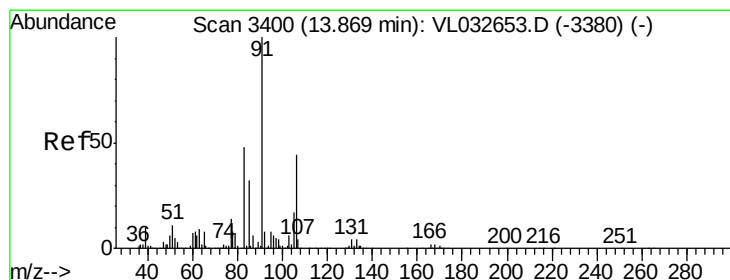
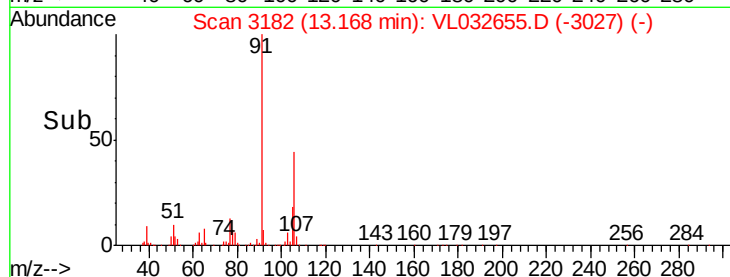
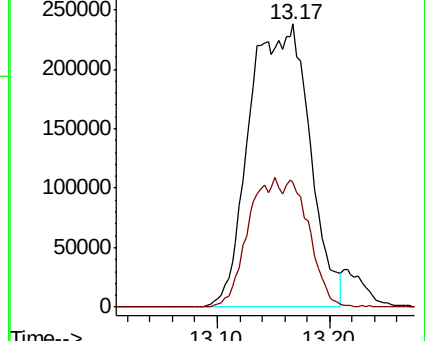
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 1.073 ppbv

RT: 13.87 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VL032655.D

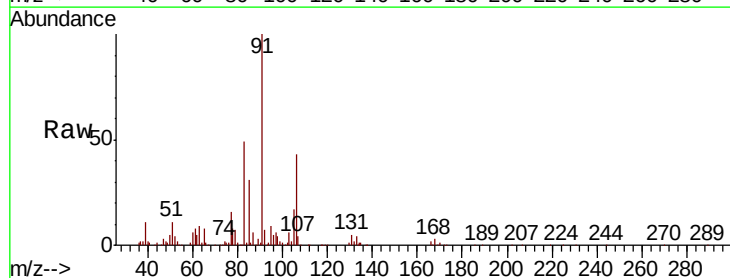
Acq: 18 Oct 2018 17:24

Tgt Ion: 91 Resp: 431310

Ion Ratio Lower Upper

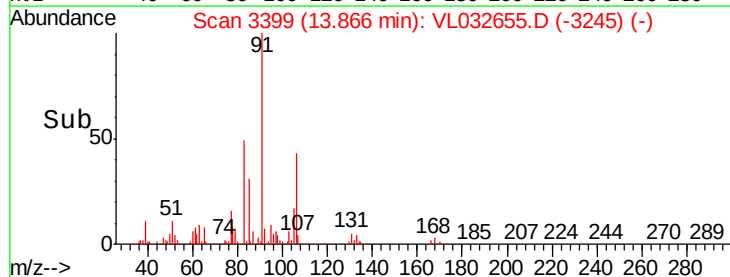
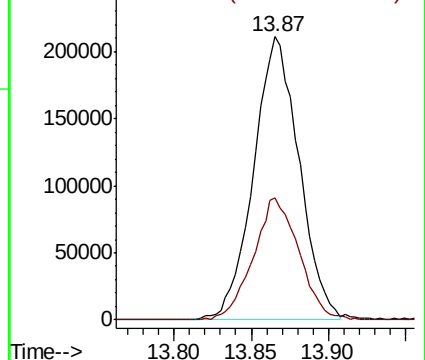
91 100

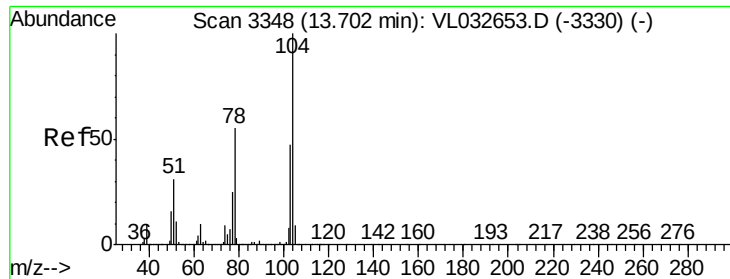
106 43.6 22.1 66.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





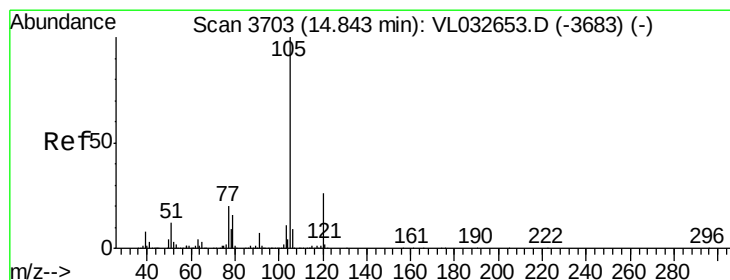
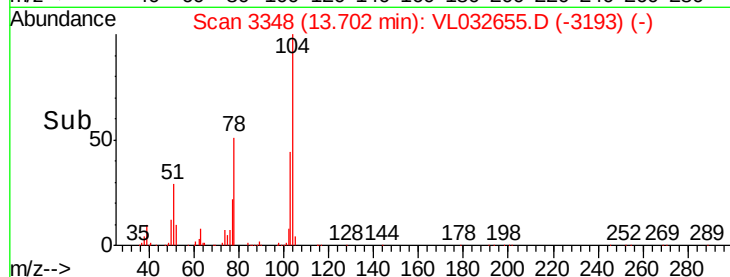
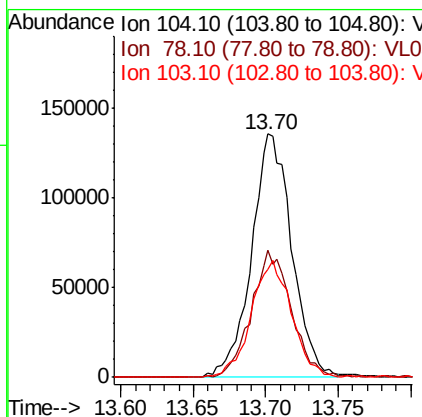
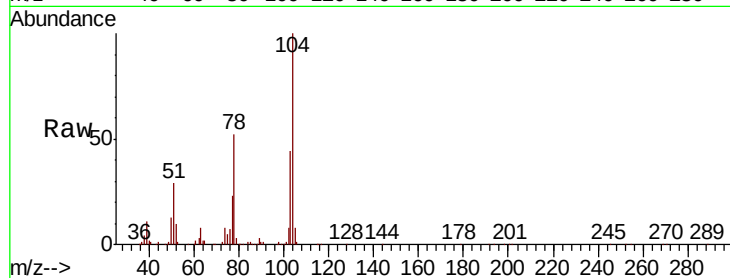
#61
Stvrene
Concen: 1.080 ppbv
RT: 13.70 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.8	64.2
103	48.3	37.4	56.0

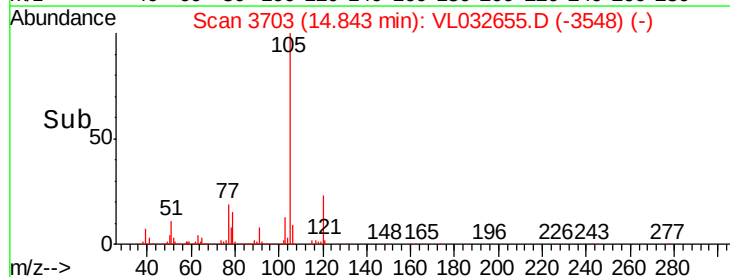
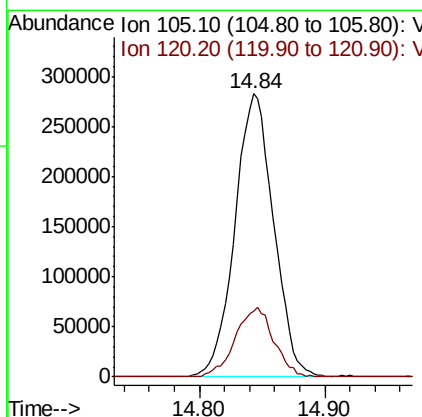
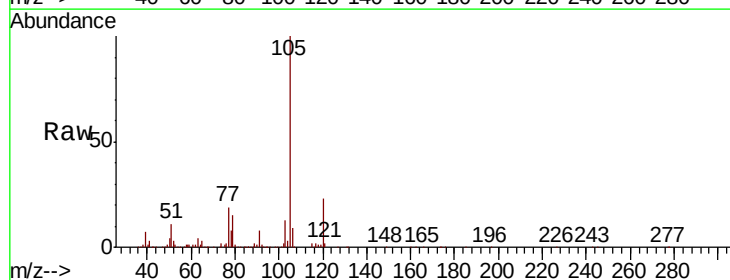
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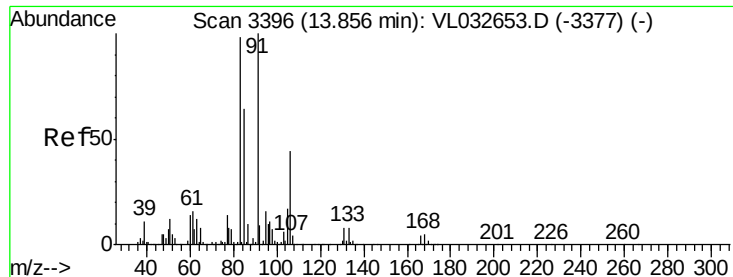
MMDadoda
10/24/2018 12:04:26 PM



#62
Isopropylbenzene
Concen: 1.053 ppbv
RT: 14.84 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.5	30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.940 ppbv

RT: 13.85 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

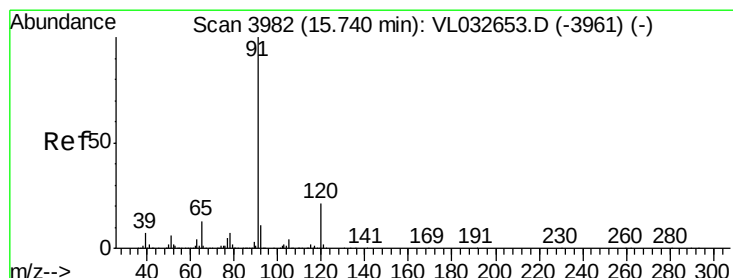
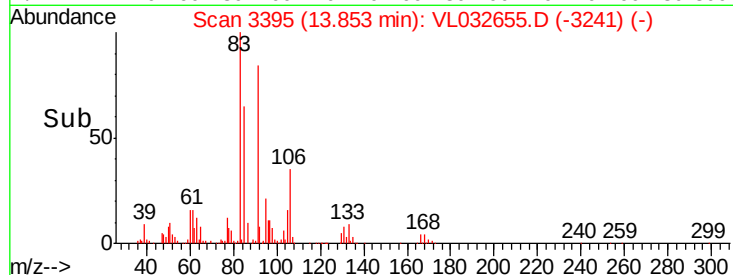
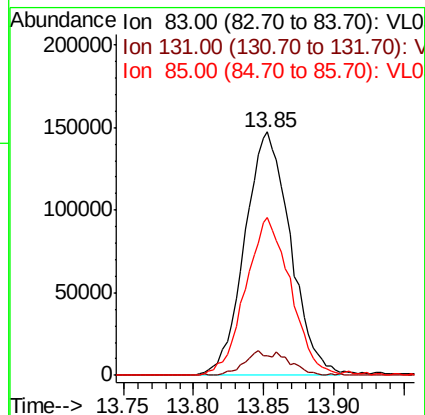
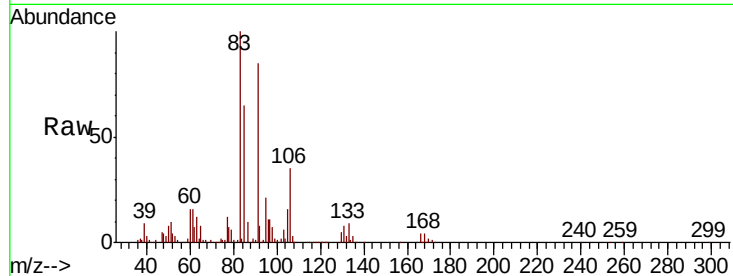
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	333368
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.3	12.9
85	64.3	32.3	96.9

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#64

n-propylbenzene

Concen: 1.026 ppbv

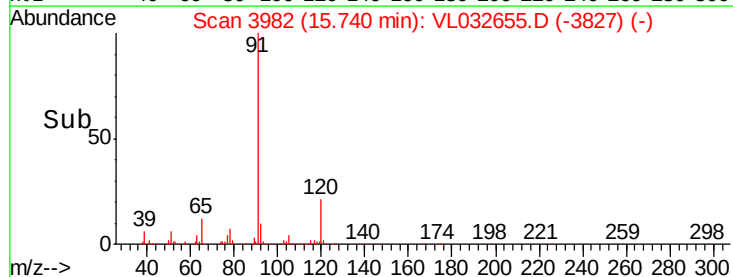
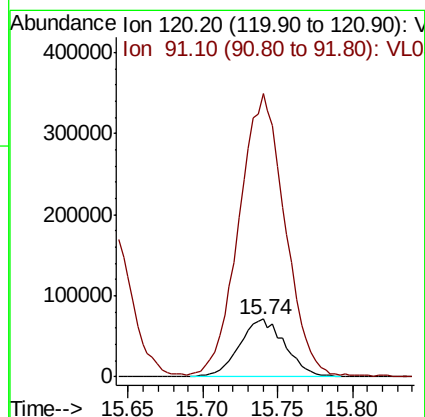
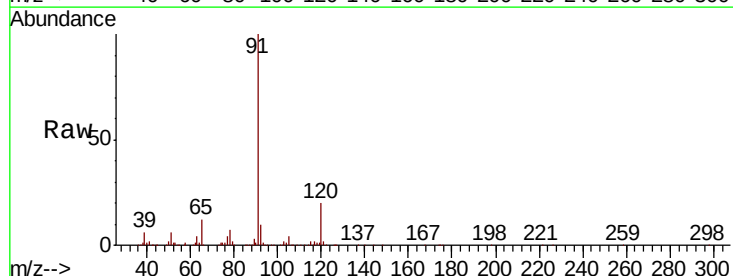
RT: 15.74 min Scan# 3982

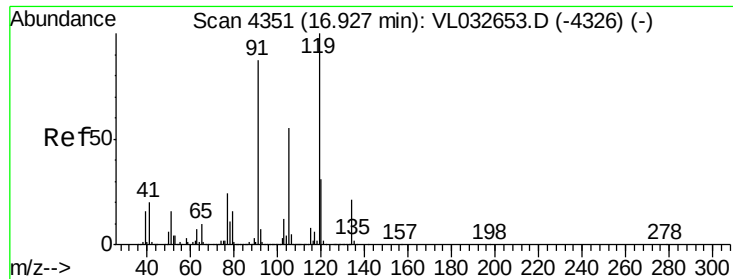
Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Tgt Ion:	120	Resp:	148907
Ion Ratio	Lower	Upper	
120	100		
91	509.3	390.2	585.2





#65

tert-Butylbenzene

Concen: 1.078 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

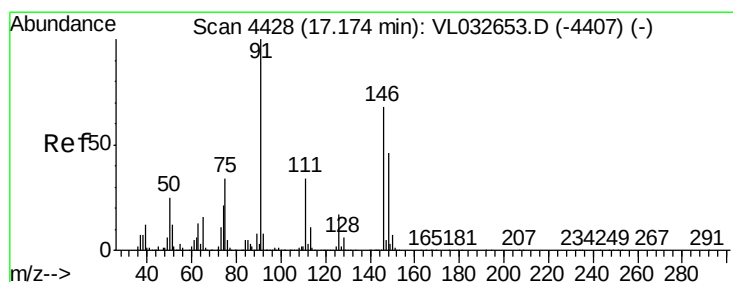
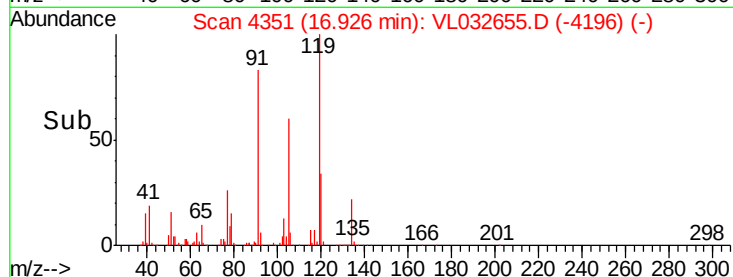
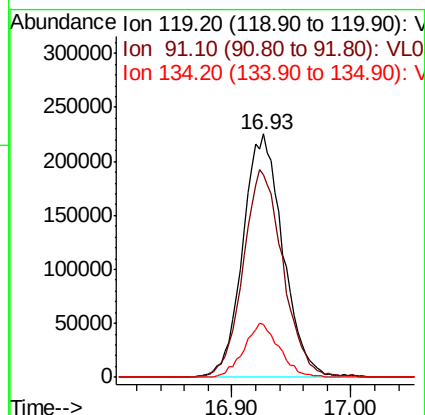
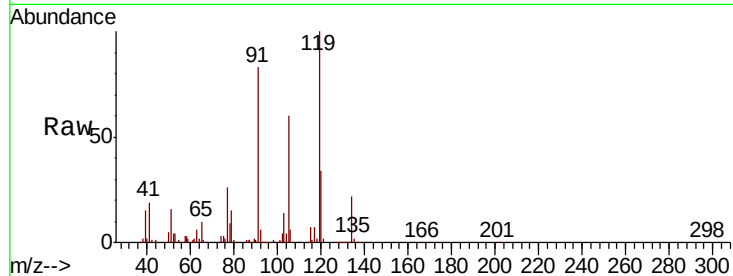
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	523711
Ion Ratio	Lower	Upper	
119	100		
91	85.4	67.8	101.8
134	19.8	15.8	23.8

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#66

Benzyl Chloride

Concen: 0.831 ppbv

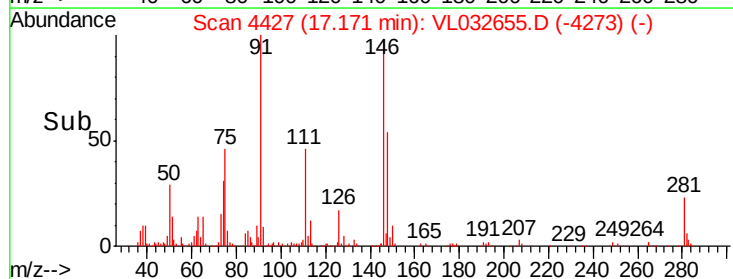
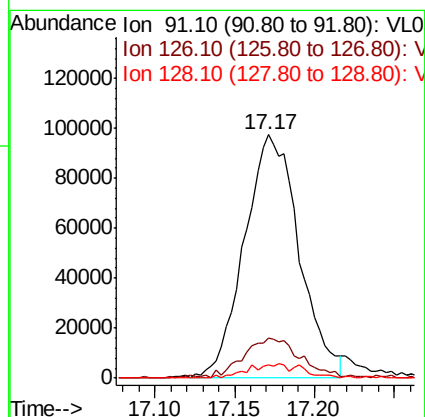
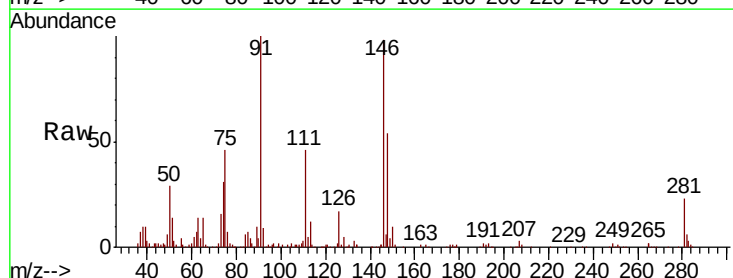
RT: 17.17 min Scan# 4427

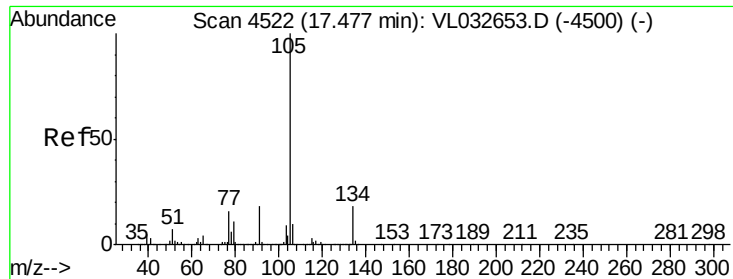
Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Tgt Ion:	91	Resp:	227746
Ion Ratio	Lower	Upper	
91	100		
126	18.1	13.9	20.9
128	6.2	4.3	6.5





#67

sec-Butylbenzene

Concen: 1.008 ppbv

RT: 17.47 min Scan# 4521

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 737446

Ion Ratio Lower Upper

105 100

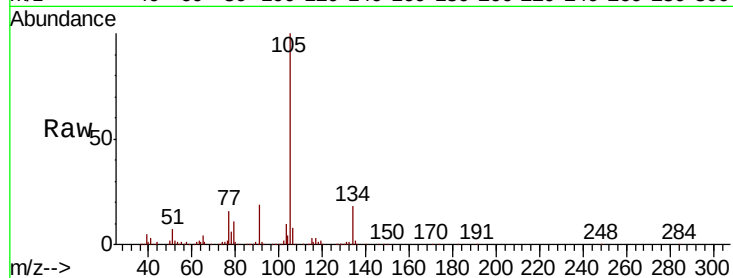
134 17.6 14.2 21.2

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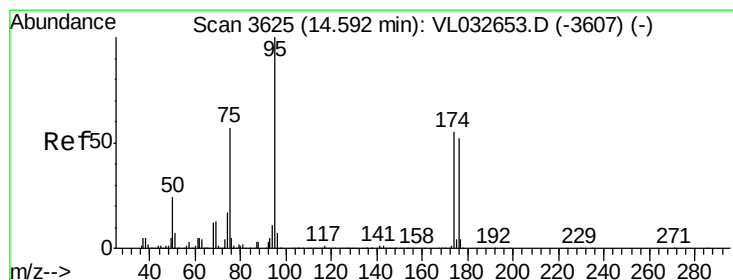
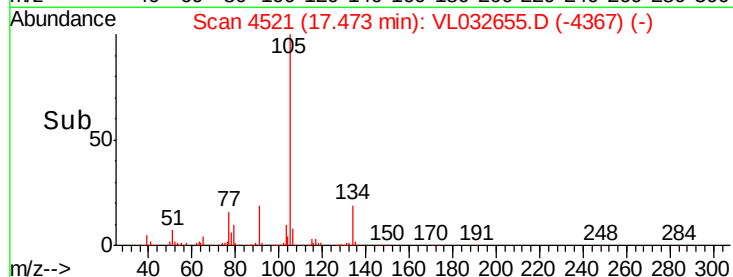
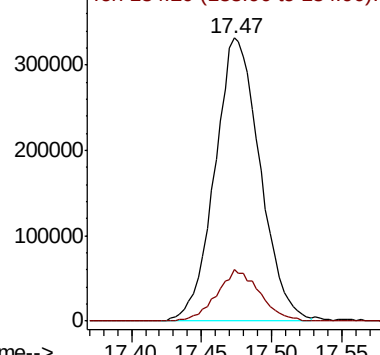
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.969 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

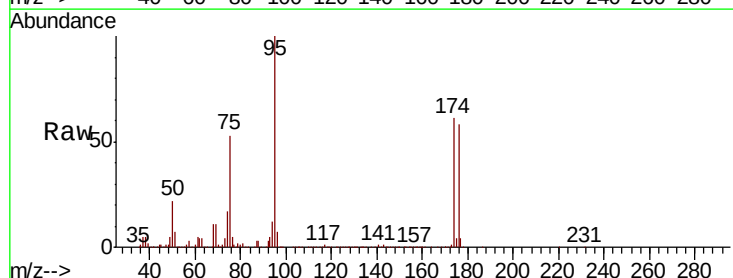
Tgt Ion: 95 Resp: 3020181

Ion Ratio Lower Upper

95 100

174 63.2 46.0 69.0

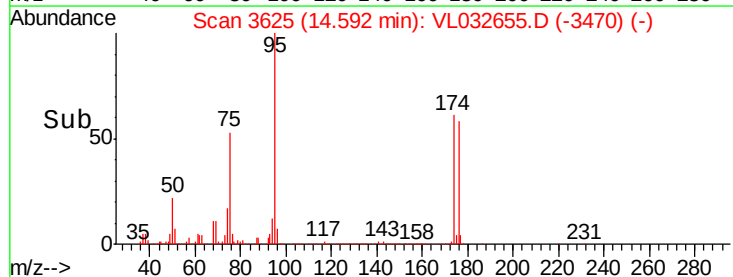
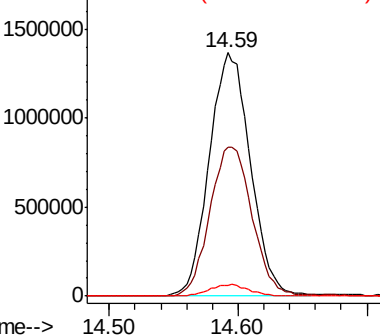
175 4.8 3.4 5.0

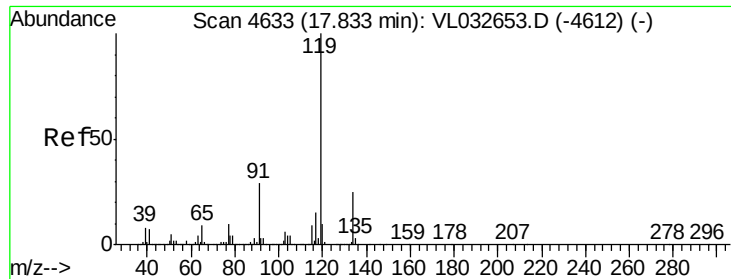


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





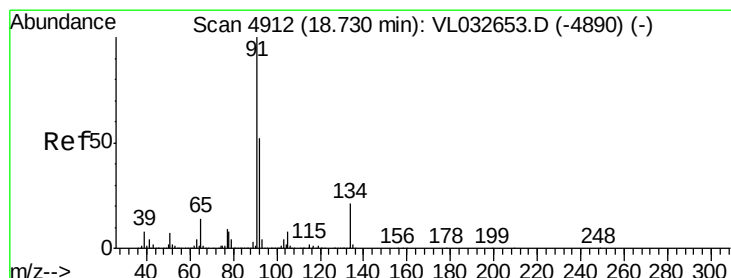
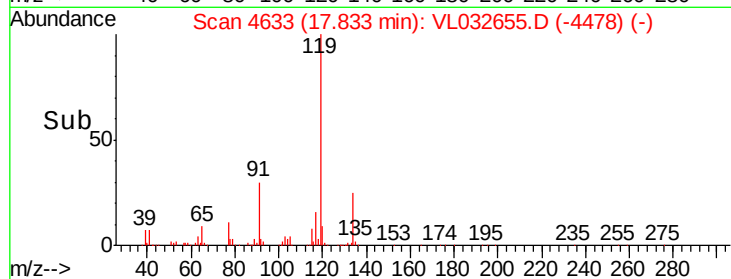
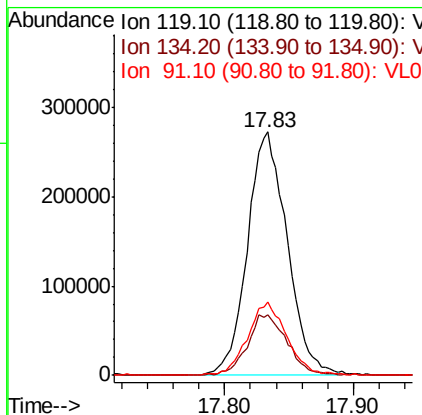
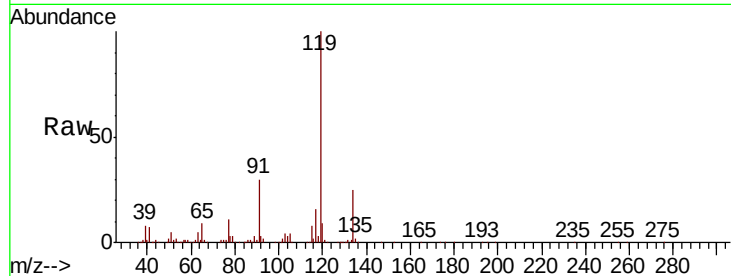
#69
 p-Isopropyltoluene
 Concen: 1.056 ppbv
 RT: 17.83 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.2	30.2
91	29.8	24.0	36.0

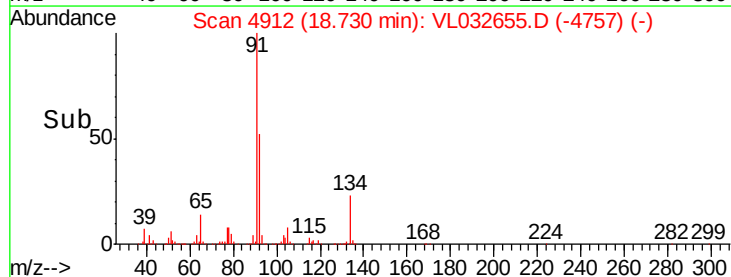
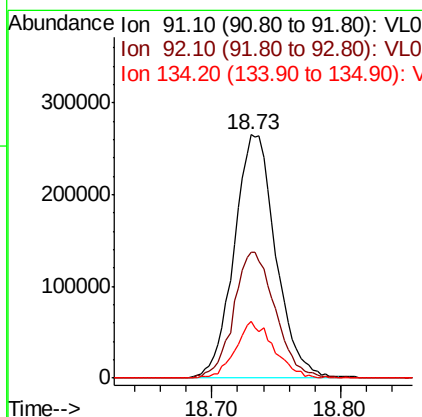
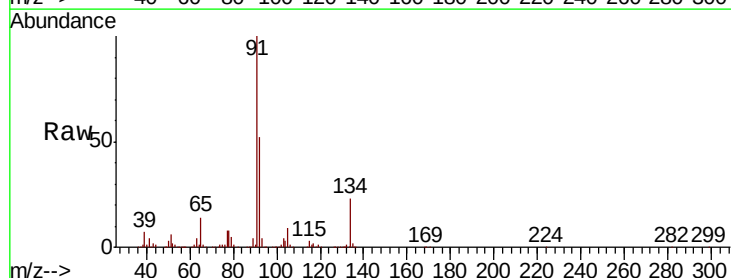
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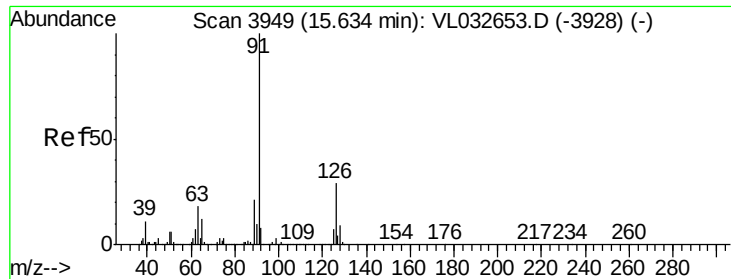
MMDadoda
 10/24/2018 12:04:26 PM



#70
 n-Butylbenzene
 Concen: 0.971 ppbv
 RT: 18.73 min Scan# 4912
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	43.0	64.4
134	21.6	17.0	25.6





#71

2-Chlorotoluene

Concen: 1.004 ppbv

RT: 15.63 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 424884

Ion Ratio Lower Upper

91 100

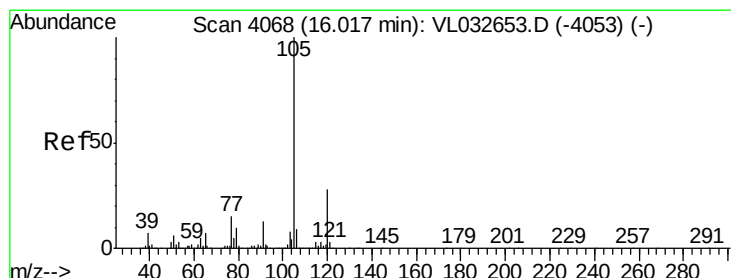
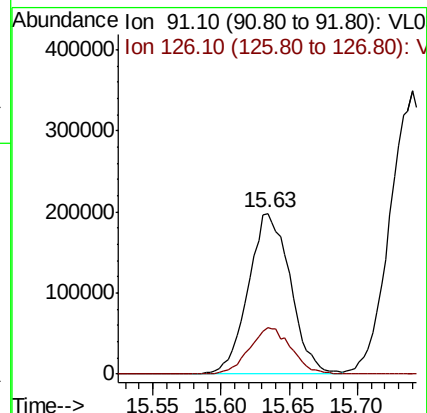
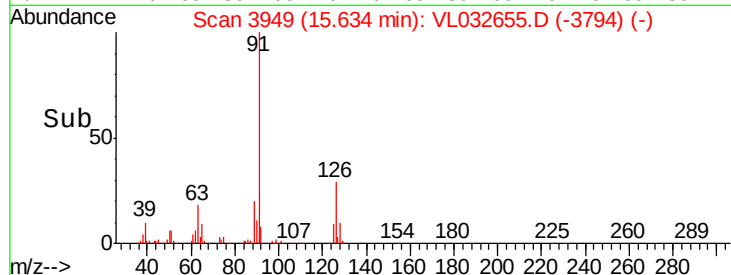
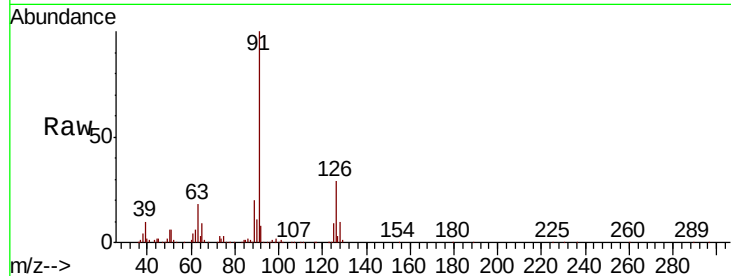
126 29.0 11.8 47.4

Manual Integrations

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#72

4-Ethyltoluene

Concen: 1.022 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. -0.00 min

Lab File: VL032655.D

Acq: 18 Oct 2018 17:24

Tgt Ion: 105 Resp: 443997

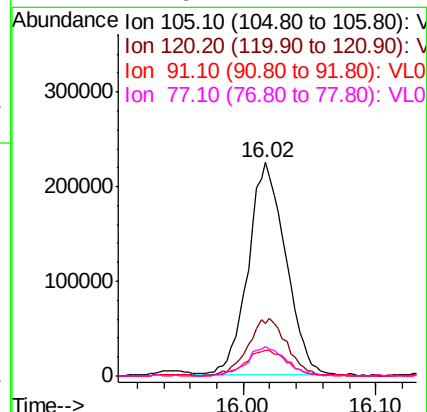
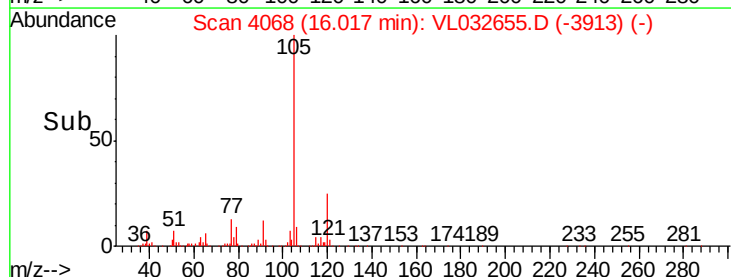
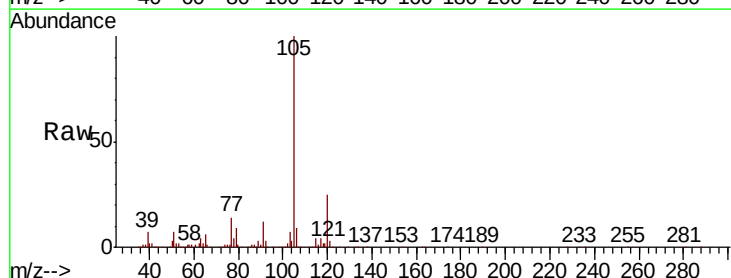
Ion Ratio Lower Upper

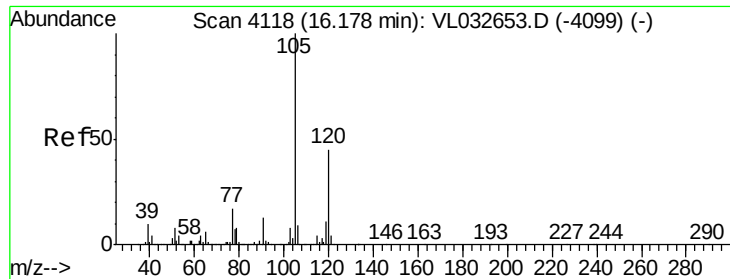
105 100

120 27.9 23.7 35.5

91 14.6 10.4 15.6

77 14.5 11.4 17.2





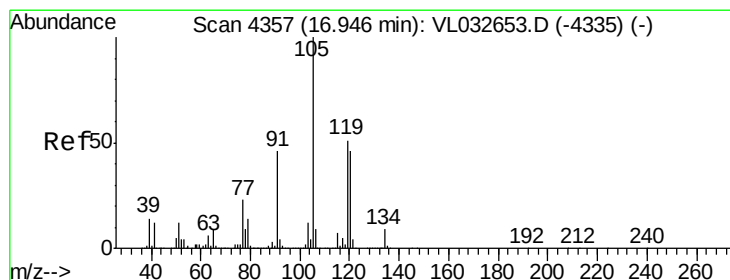
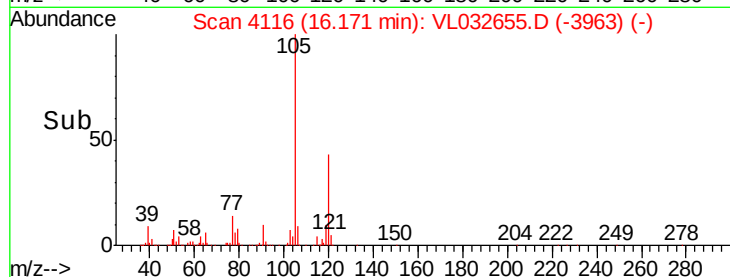
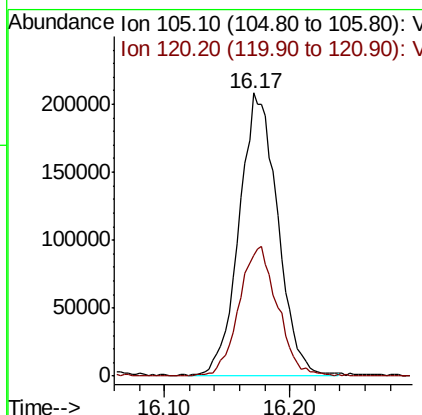
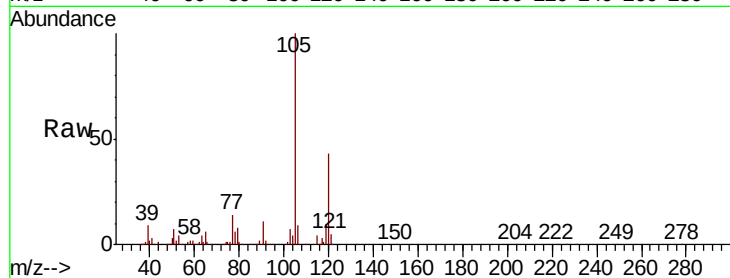
#73
 1,3,5-Trimethylbenzene
 Concen: 1.016 ppbv
 RT: 16.17 min Scan# 4116
 Delta R.T. -0.01 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
105	100	438960		
120	42.4		35.4	53.2

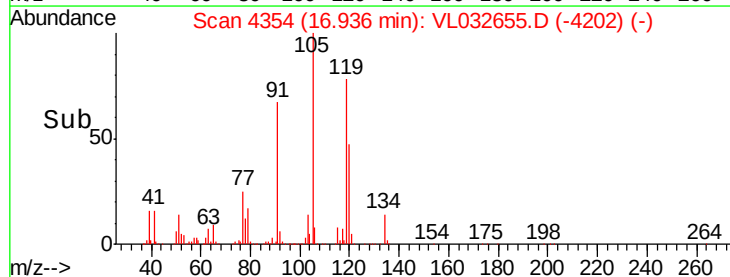
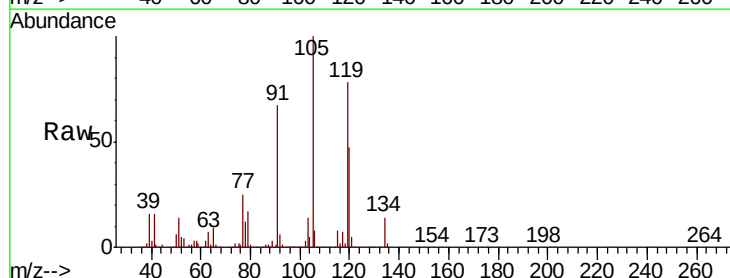
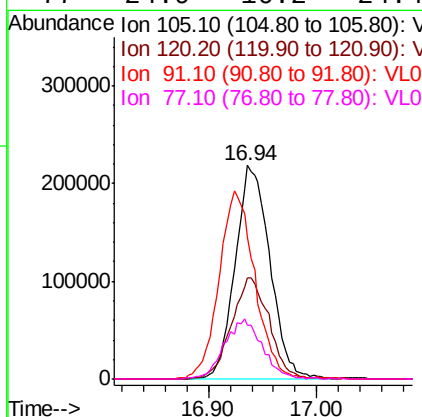
Manual Integrations
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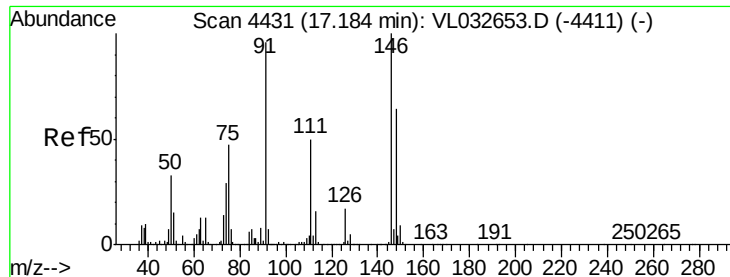
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#74
 1,2,4-Trimethylbenzene
 Concen: 1.033 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. -0.01 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	491339		
120	47.1		35.8	53.8
91	66.3		33.2	49.8#
77	24.9		16.2	24.4#





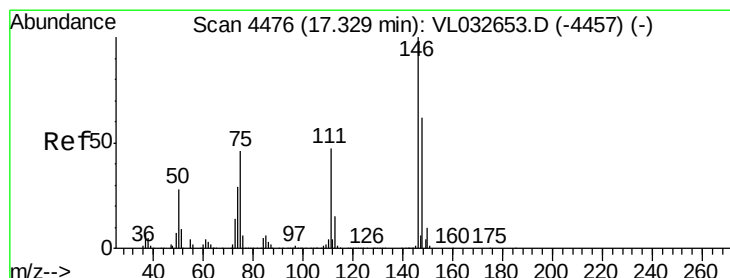
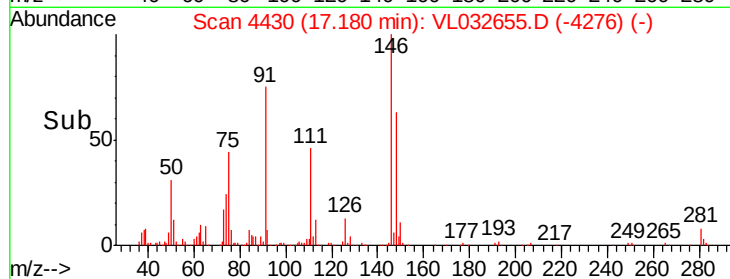
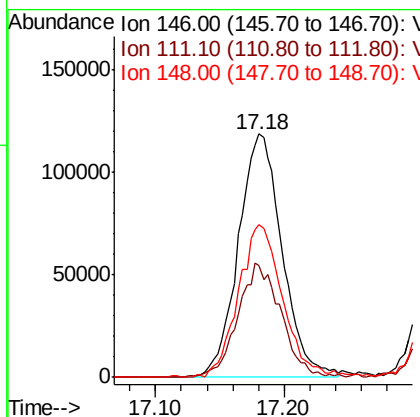
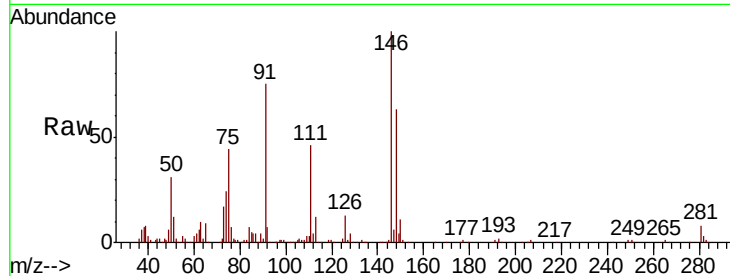
#75
 1,3-Dichlorobenzene
 Concen: 1.004 ppbv
 RT: 17.18 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.0	24.4	73.2
148	64.4	31.9	95.9

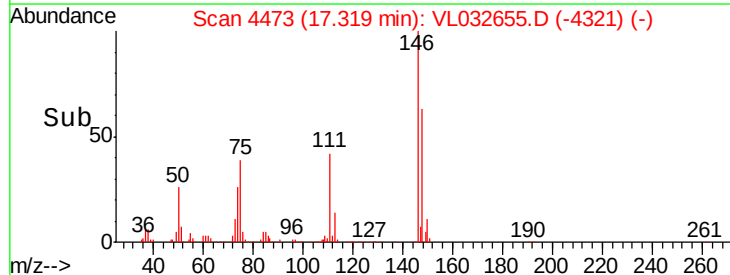
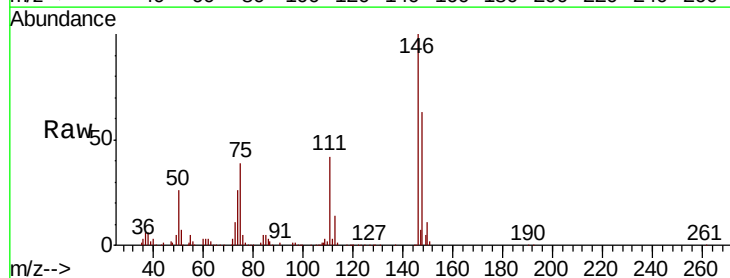
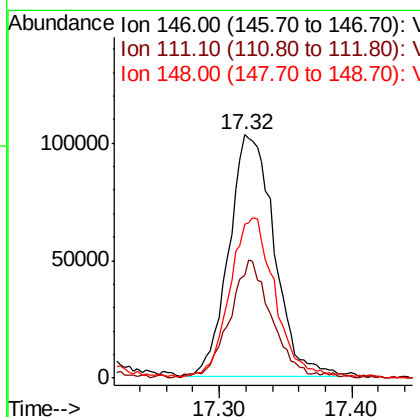
Manual Integrations
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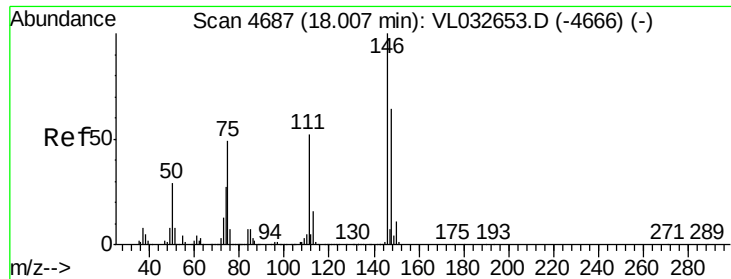
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#76
 1,4-Dichlorobenzene
 Concen: 0.968 ppbv
 RT: 17.32 min Scan# 4473
 Delta R.T. -0.01 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	23.7	71.1
148	67.6	32.1	96.3





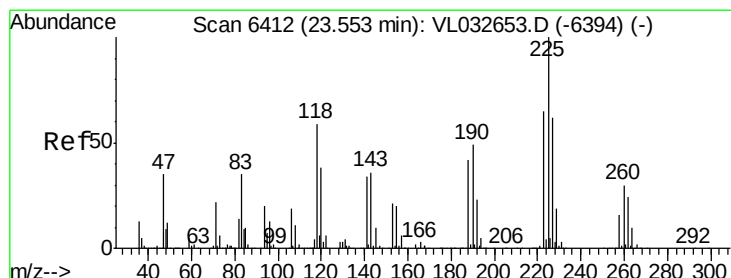
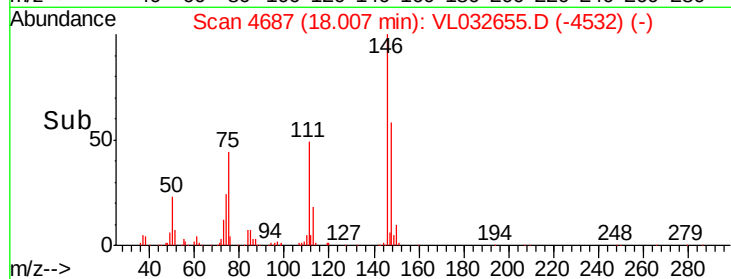
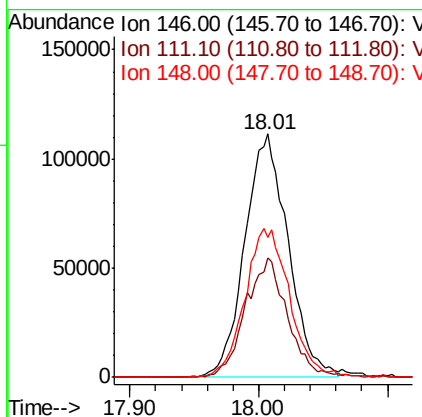
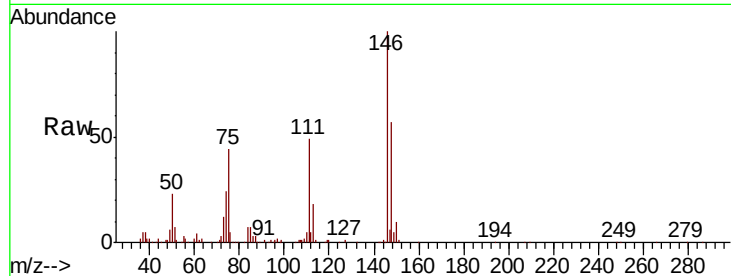
#77
 1,2-Dichlorobenzene
 Concen: 0.977 ppbv
 RT: 18.01 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	25.3	75.8
148	63.6	31.9	95.9

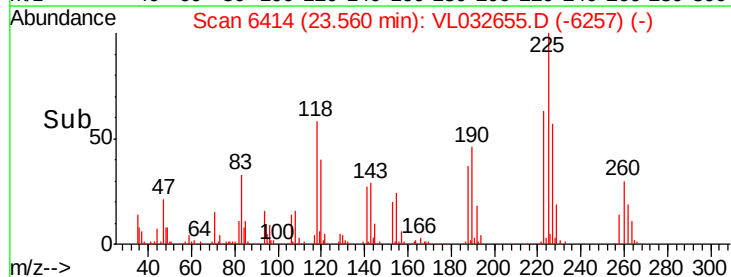
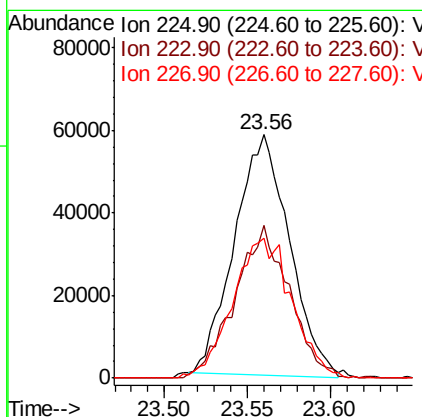
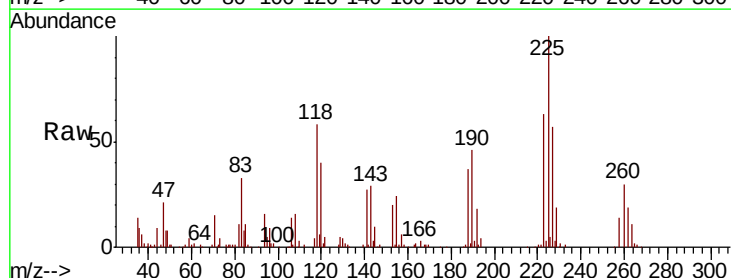
Manual Integrations
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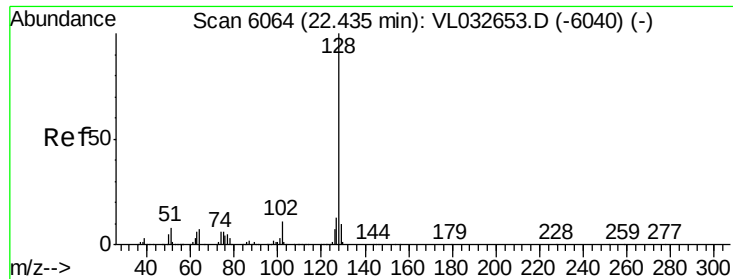
MMDadoda
 10/24/2018 12:04:26 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.901 ppbv
 RT: 23.56 min Scan# 6414
 Delta R.T. 0.01 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.7	76.1
227	62.8	50.7	76.1





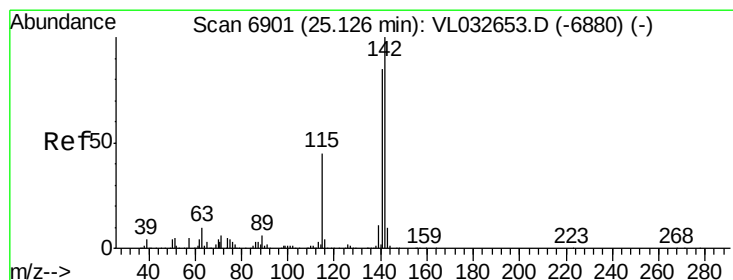
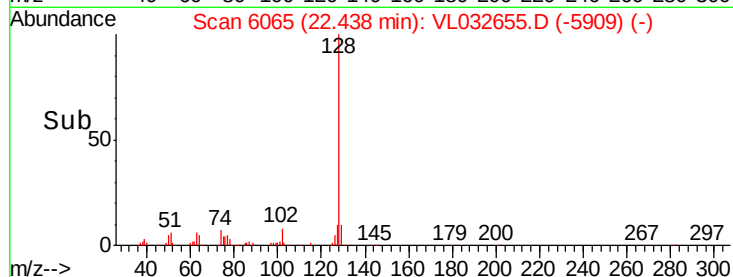
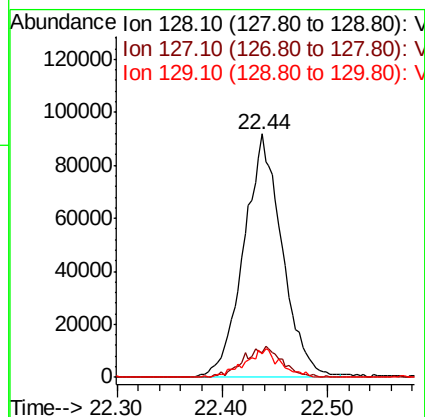
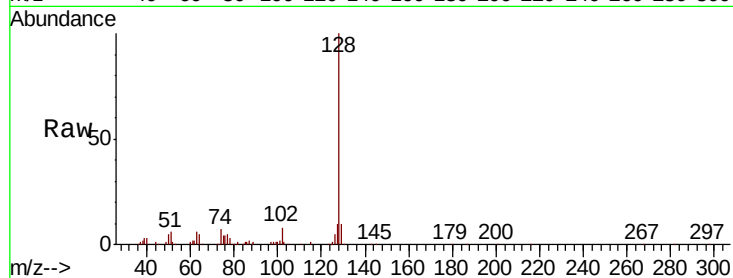
#79
Naphthalene
Concen: 0.717 ppbv
RT: 22.44 min Scan# 6065
Delta R.T. 0.00 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.3	15.5#
129	9.8	8.6	13.0

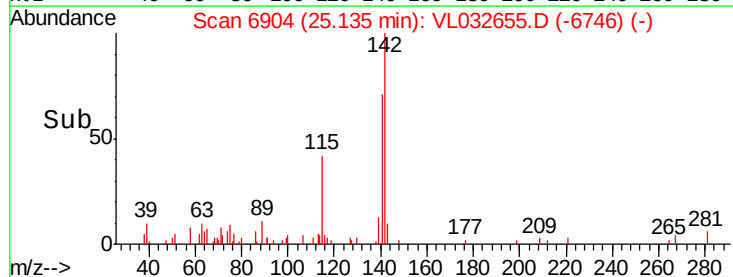
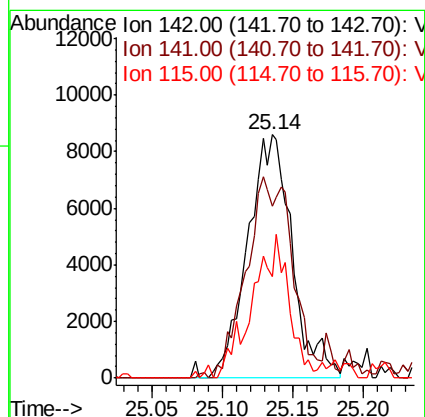
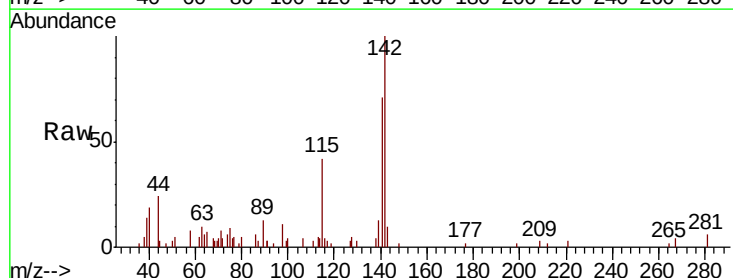
Manual Integrations
APPROVED

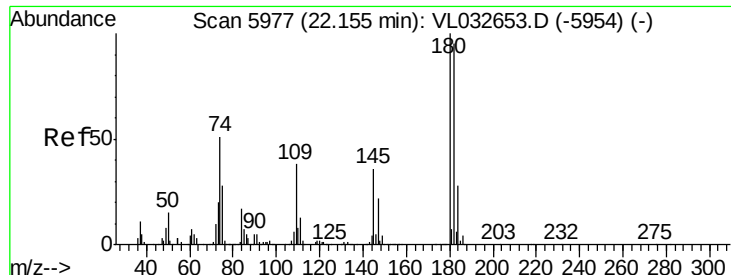
MMDadoda
10/24/2018 12:04:26 PM



#80
Naphthalene, 2-methyl-
Concen: 0.304 ppbv
RT: 25.14 min Scan# 6904
Delta R.T. 0.01 min
Lab File: VL032655.D
Acq: 18 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	67.5	101.3
115	52.3	33.5	50.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.801 ppbv m
 RT: 22.15 min Scan# 5977
 Delta R.T. -0.00 min
 Lab File: VL032655.D
 Acq: 18 Oct 2018 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128624		
182	0.0	76.5	114.7#	
184	0.0	24.7	37.1#	

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:04:26 PM

