

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032629.D
 Acq On : 17 Oct 2018 4:04
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:36:24 PM

Quant Time: Oct 17 06:54:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 2018
 QLast Update : Wed Oct 17 05:31:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1243148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2795030	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2683841	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2085004	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	133005	0.85	ppbv	99
3) Chlorodifluoromethane	3.03	51	115437	1.11	ppbv	98
4) Chloromethane	3.18	50	59771	1.05	ppbv	98
5) Vinyl Chloride	3.30	62	60491	1.06	ppbv	99
6) Bromomethane	3.53	94	36778	1.02	ppbv	92
7) Chloroethane	3.62	64	23007	1.02	ppbv	99
8) Dichlorotetrafluoroethane	3.23	85	153669	1.10	ppbv	98
9) Propene	3.05	41	38278	0.99	ppbv	96
10) Heptane	8.26	43	133506	0.95	ppbv	93
11) Trichlorofluoromethane	4.02	101	173827	1.14	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	125861	1.11	ppbv	98
13) Ethanol	3.68	45	13642m	1.26	ppbv	
14) Bromoethene	3.81	108	41852	0.98	ppbv	95
15) Acetone	3.93	43	118037	1.08	ppbv	99
16) 1,3-Butadiene	3.38	39	39230	0.90	ppbv	94
17) tert-Butyl alcohol	4.40	59	12303m	1.38	ppbv	
18) 1,1-Dichloroethene	4.37	96	53103	1.05	ppbv	93
19) Isopropyl Alcohol	4.05	45	87162	1.23	ppbv #	93
20) Methylene Chloride	4.43	84	51682	1.03	ppbv	95
21) Allyl Chloride	4.50	41	81558	0.98	ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	61873	1.05	ppbv	93
23) Vinyl Acetate	5.17	43	160944	0.94	ppbv #	96
24) 1,1-Dichloroethane	5.11	63	167727	1.10	ppbv	97
25) Ethyl Acetate	5.79	43	265883	1.05	ppbv	100
26) Hexane	5.79	57	119378m	1.03	ppbv	
27) Carbon Disulfide	4.64	76	153637	1.11	ppbv #	88
28) Methyl tert-Butyl Ether	5.14	73	140560	1.03	ppbv	98
29) Chloroform	5.86	83	220015	1.11	ppbv	94
30) Cyclohexane	7.26	84	79480	0.87	ppbv	94
31) cis-1,2-Dichloroethene	5.65	61	103503	0.94	ppbv	96
32) 1,1,1-Trichloroethane	6.64	97	203310	1.06	ppbv	98
34) 2-Butanone	5.35	43	158119	1.10	ppbv	98
35) Carbon Tetrachloride	7.15	117	206920	1.03	ppbv	97
36) Benzene	7.02	78	221848	1.00	ppbv	99
37) 1,2-Dichloroethane	6.43	62	158539	1.08	ppbv	99
38) Trichloroethene	7.98	130	82106	1.01	ppbv	97
39) 1,2-Dichloropropane	7.75	63	89912	0.99	ppbv	93
40) 1,4-Dioxane	8.01	88	37675m	1.26	ppbv	
41) Tetrahydrofuran	6.18	42	74575	0.93	ppbv	99
42) Bromodichloromethane	7.93	83	216030	1.05	ppbv	97
43) Methyl Methacrylate	8.16	69	78591	0.91	ppbv	99

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 MSVOA_L
 ClientSampleId :
 VSTDIC001

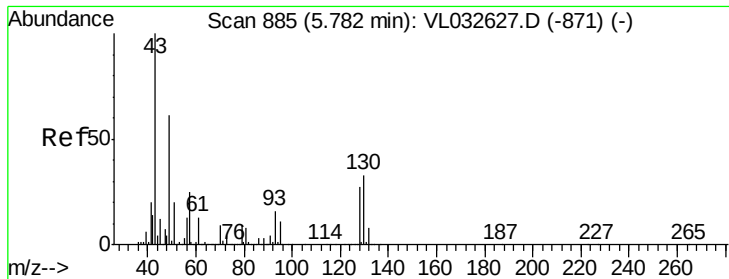
Manual Integrations
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 10/19/2018 4:36:24 PM

Quant Time: Oct 17 06:54:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	403510	1.02	ppbv	94
45) t-1,3-Dichloropropene	9.43	75	93659	0.87	ppbv	93
46) cis-1,3-Dichloropropene	8.86	75	114659	0.93	ppbv	95
47) 1,1,2-Trichloroethane	9.63	97	112252	1.05	ppbv	93
48) Dibromochloromethane	10.47	129	184893	1.04	ppbv	96
49) Bromoform	13.22	173	135831	1.00	ppbv	98
50) 4-Methyl-2-Pentanone	8.90	43	220857	1.00	ppbv	95
51) 2-Hexanone	10.31	43	153559	0.89	ppbv #	94
52) Tetrachloroethene	11.39	164	72884m	1.02	ppbv	
53) Toluene	9.97	91	226287	0.90	ppbv	97
54) 1,2-Dibromoethane	10.78	107	154253	1.03	ppbv	84
56) 1,1,1,2-Tetrachloroethane	12.30	131	133490	1.10	ppbv #	1
57) Chlorobenzene	12.32	112	229512m	1.13	ppbv	
58) Ethyl Benzene	12.89	91	293260	0.99	ppbv	100
59) m/p-Xylene	13.17	91	557108m	2.08	ppbv	
60) o-Xylene	13.87	91	287119m	1.09	ppbv	
61) Styrene	13.70	104	143111	0.88	ppbv	96
62) Isopropylbenzene	14.85	105	405511	1.08	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.85	83	252367	1.10	ppbv	99
64) n-propylbenzene	15.75	120	101569	1.07	ppbv	88
65) tert-Butylbenzene	16.93	119	346067	1.09	ppbv	96
66) Benzyl Chloride	17.17	91	180456	1.03	ppbv	99
67) sec-Butylbenzene	17.48	105	526657	1.11	ppbv	98
69) p-Isopropyltoluene	17.83	119	389440	1.07	ppbv	98
70) n-Butylbenzene	18.74	91	427775	1.08	ppbv	99
71) 2-Chlorotoluene	15.64	91	284795	1.03	ppbv	98
72) 4-Ethyltoluene	16.02	105	292185	1.02	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.18	105	304805	1.07	ppbv	96
74) 1,2,4-Trimethylbenzene	16.94	105	350639	1.12	ppbv #	92
75) 1,3-Dichlorobenzene	17.18	146	208519	1.15	ppbv	97
76) 1,4-Dichlorobenzene	17.33	146	174763	1.06	ppbv	97
77) 1,2-Dichlorobenzene	18.00	146	194024m	1.14	ppbv	
78) Hexachloro-1,3-Butadiene	23.57	225	110520m	1.33	ppbv	
79) Naphthalene	22.44	128	197348	0.94	ppbv #	95
80) Naphthalene,2-methyl-	25.14	142	22802	0.56	ppbv	98
81) 1,2,4-Trichlorobenzene	22.16	180	105797m	1.01	ppbv	

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 49 Resp: 1243148

Ion Ratio Lower Upper

49 100

128 45.9 22.3 66.8

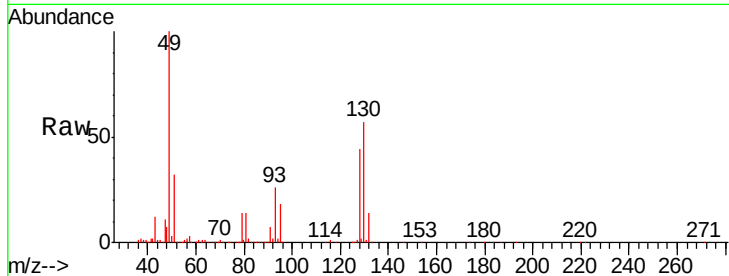
130 58.2 28.4 85.3

Manual Integrations

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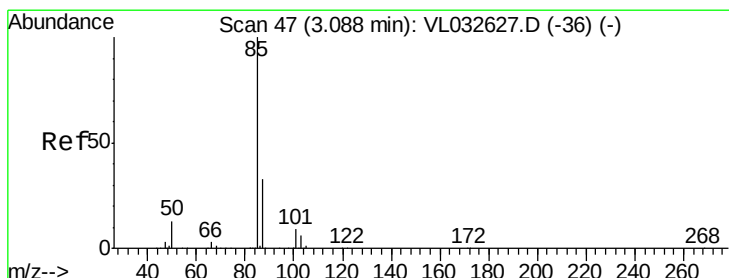
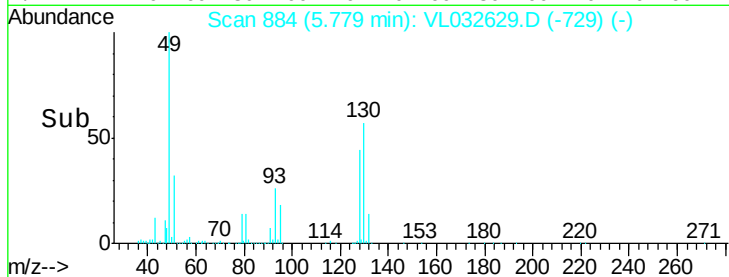
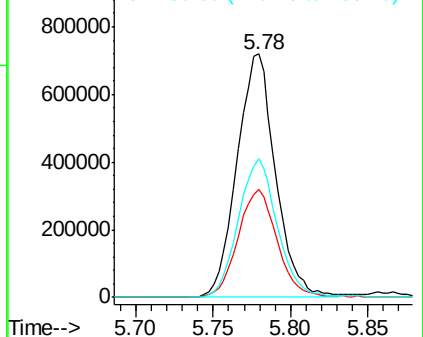
10/19/2018 4:36:24 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.85 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032629.D

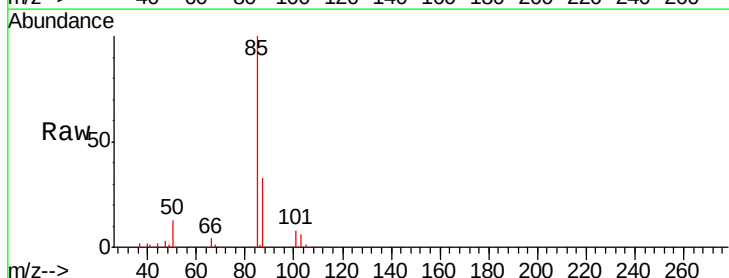
Acq: 17 Oct 2018 4:04

Tgt Ion: 85 Resp: 133005

Ion Ratio Lower Upper

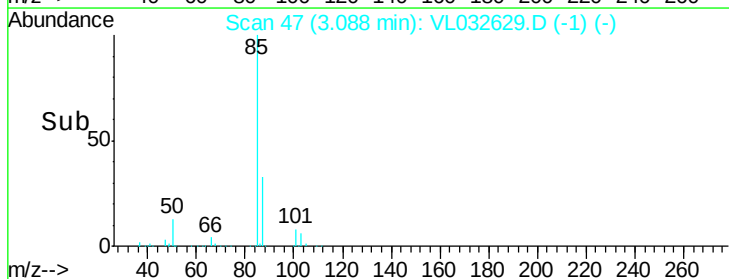
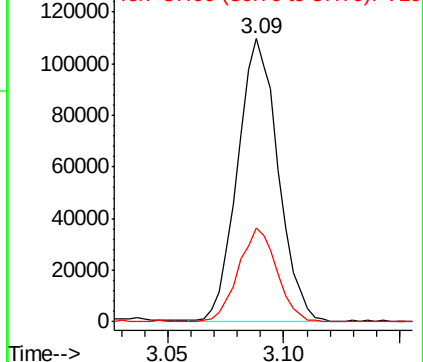
85 100

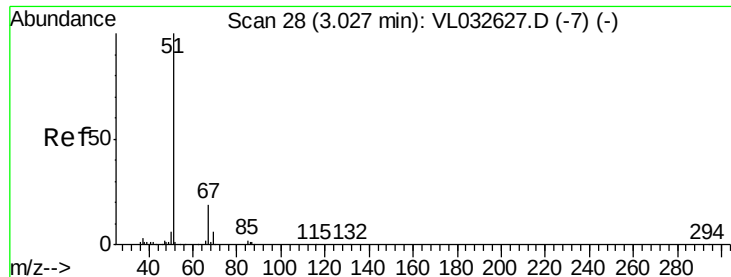
87 33.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





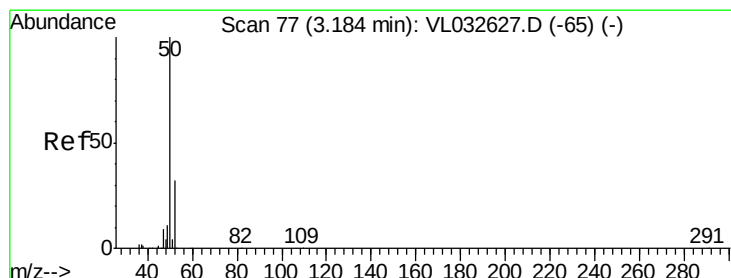
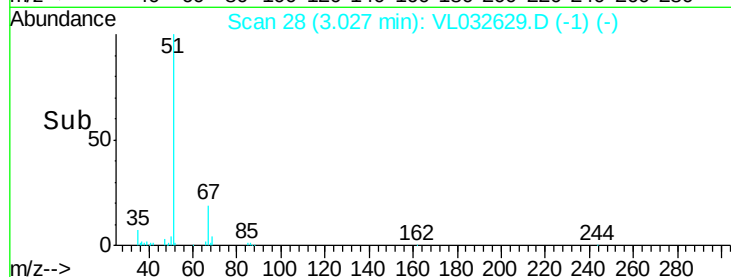
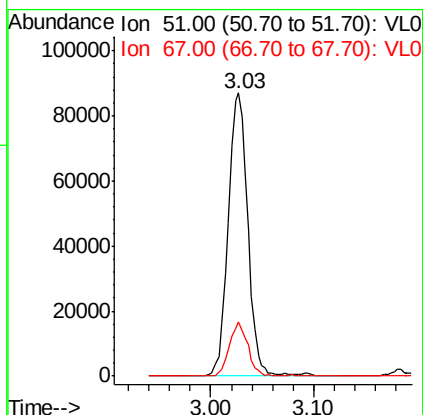
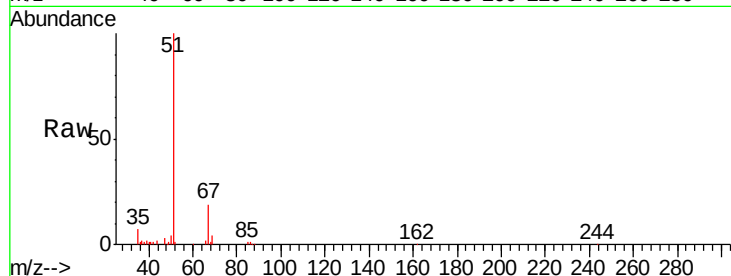
#3
Chlorodifluoromethane
Concen: 1.11 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
51	100		
67	18.1	15.2	22.8

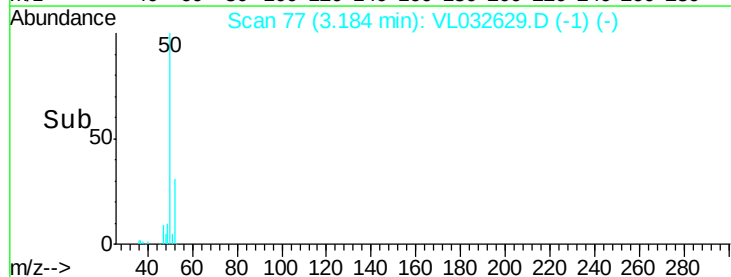
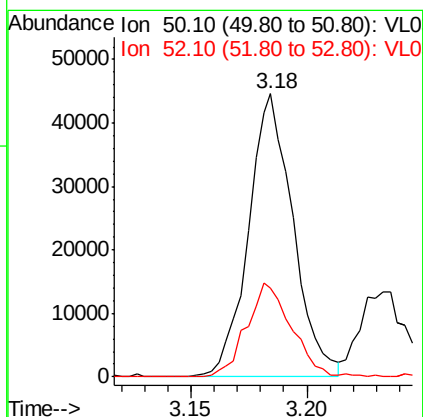
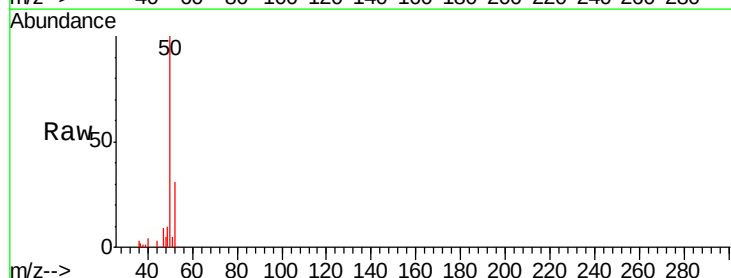
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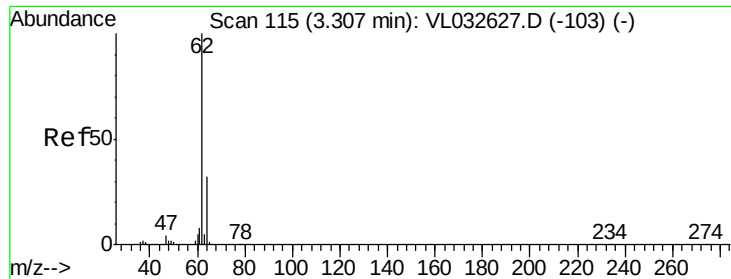
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#4
Chloromethane
Concen: 1.05 ppbv
RT: 3.18 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.9	38.9





#5

Vinyl Chloride

Concen: 1.06 ppbv

RT: 3.30 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 60491

Ion Ratio Lower Upper

62 100

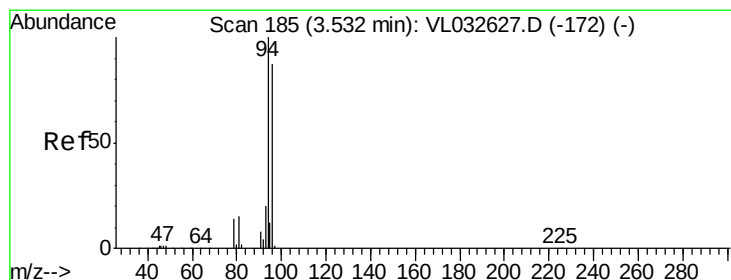
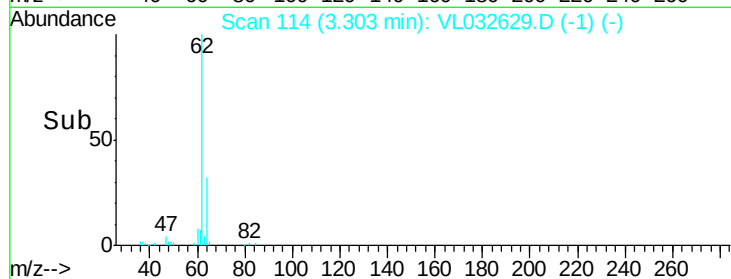
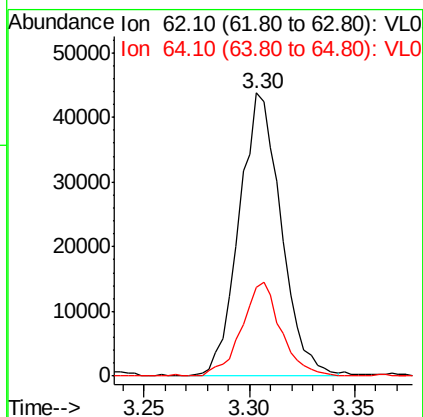
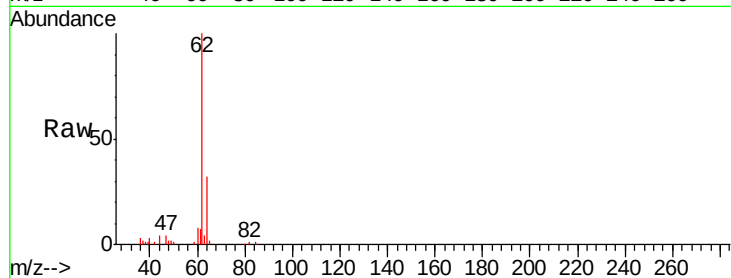
64 31.5 25.5 38.3

Manual Integrations

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#6

Bromomethane

Concen: 1.02 ppbv

RT: 3.53 min Scan# 184

Delta R.T. -0.00 min

Lab File: VL032629.D

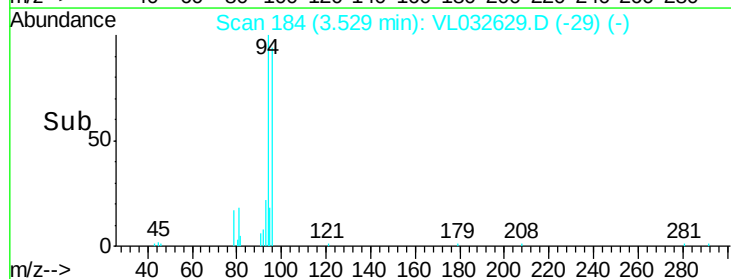
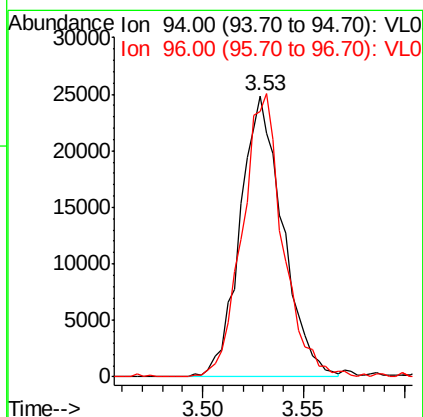
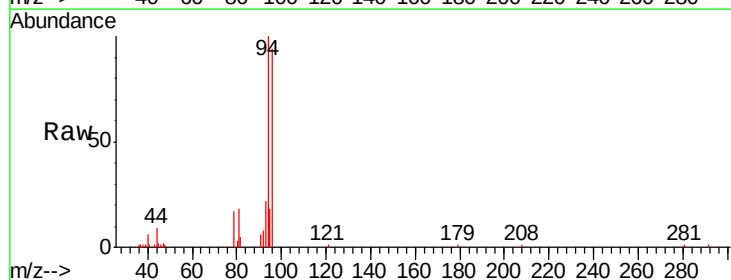
Acq: 17 Oct 2018 4:04

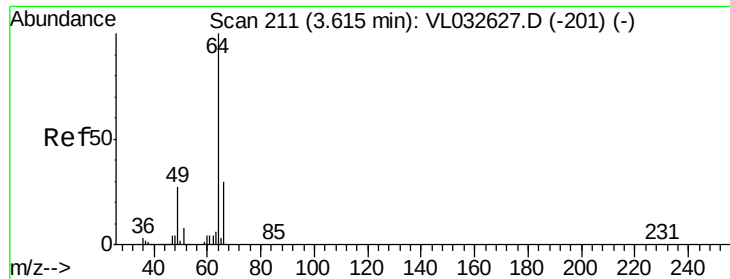
Tgt Ion: 94 Resp: 36778

Ion Ratio Lower Upper

94 100

96 94.3 69.8 104.8





#7

Chloroethane

Concen: 1.02 ppbv

RT: 3.62 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 64 Resp: 23007

Ion Ratio Lower Upper

64 100

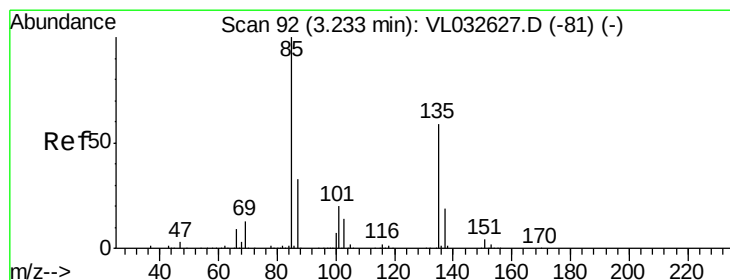
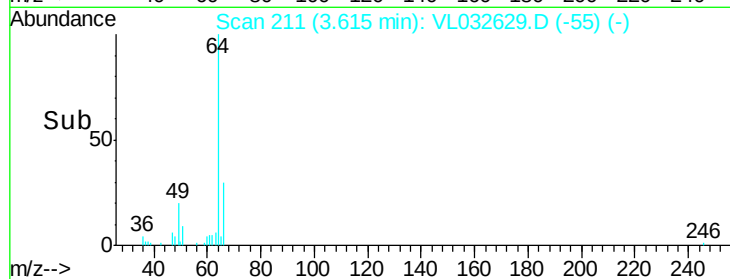
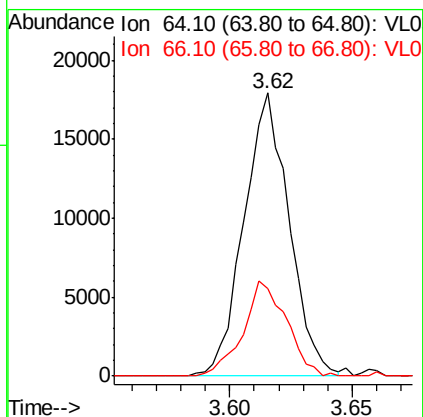
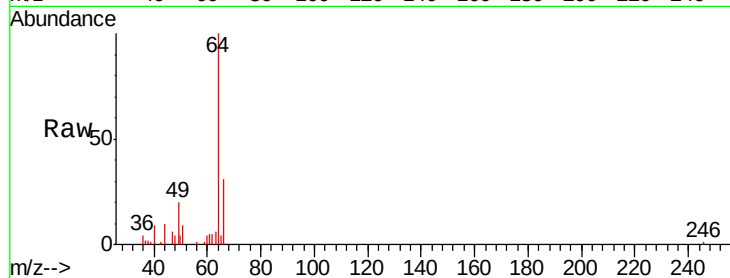
66 30.9 24.4 36.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.10 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032629.D

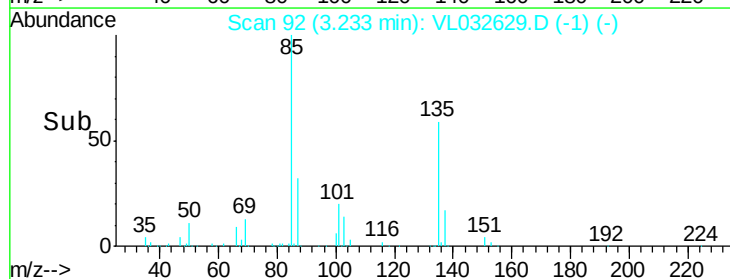
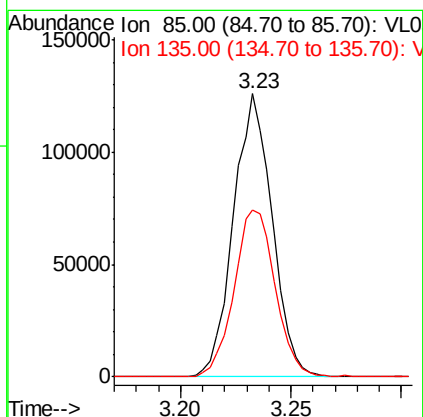
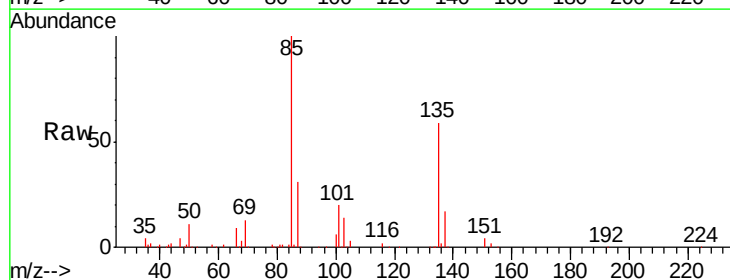
Acq: 17 Oct 2018 4:04

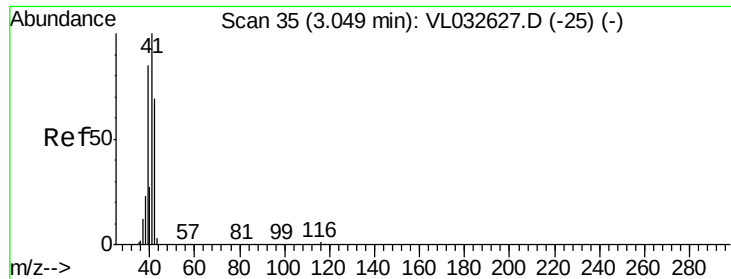
Tgt Ion: 85 Resp: 153669

Ion Ratio Lower Upper

85 100

135 62.5 49.0 73.4





#9

Propene

Concen: 0.99 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 38278

Ion Ratio Lower Upper

41 100

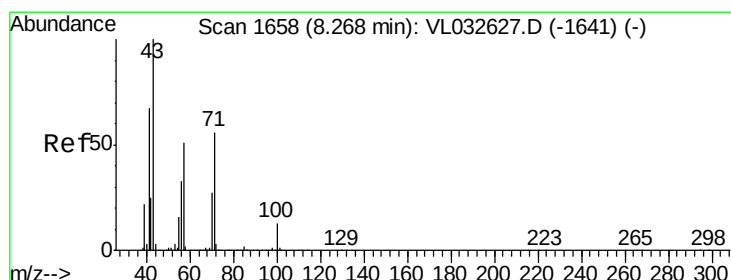
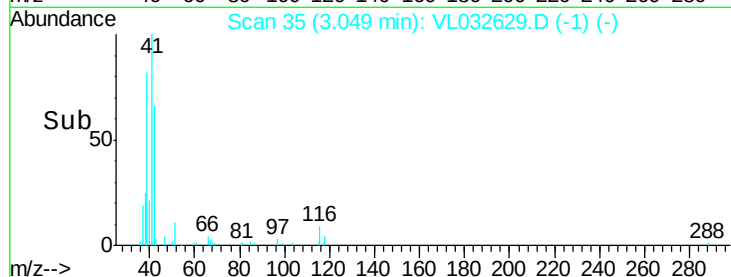
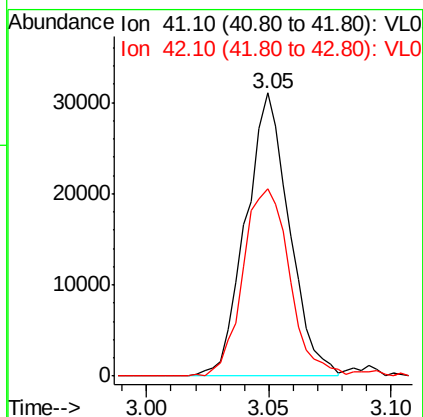
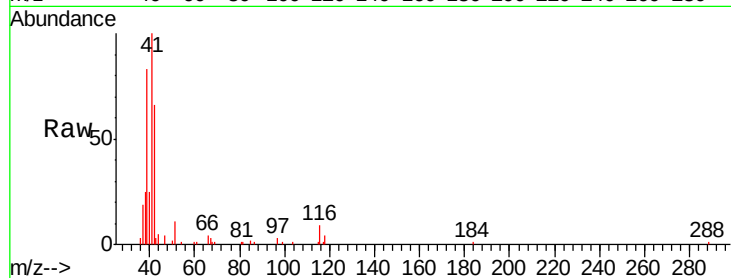
42 72.4 55.4 83.0

Manual Integrations

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#10

Heptane

Concen: 0.95 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL032629.D

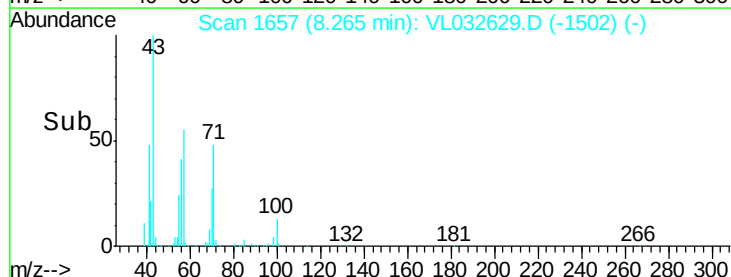
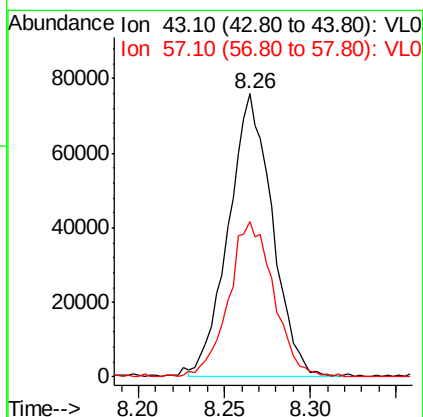
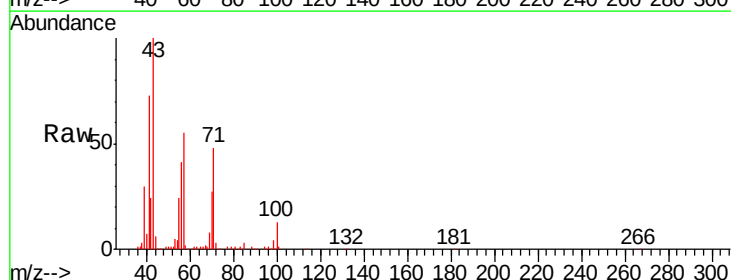
Acq: 17 Oct 2018 4:04

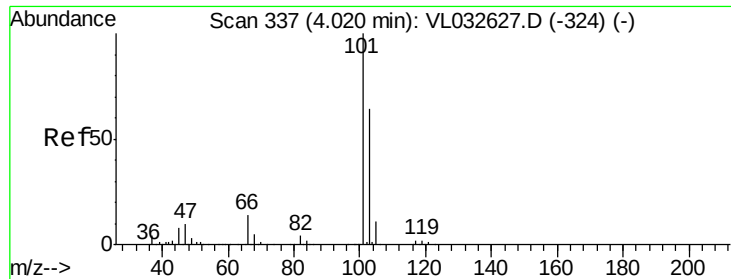
Tgt Ion: 43 Resp: 133506

Ion Ratio Lower Upper

43 100

57 57.1 41.5 62.3





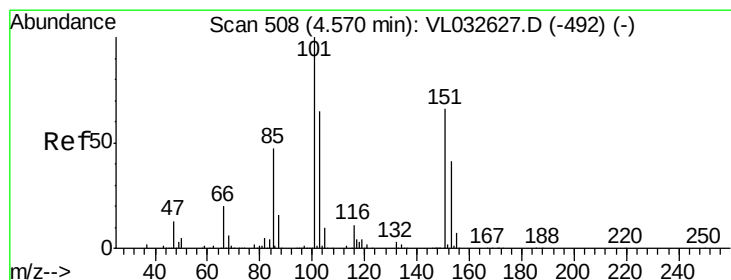
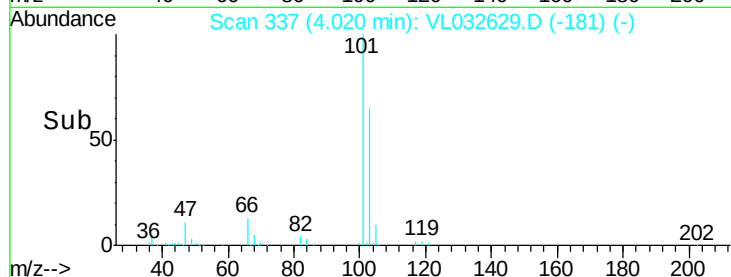
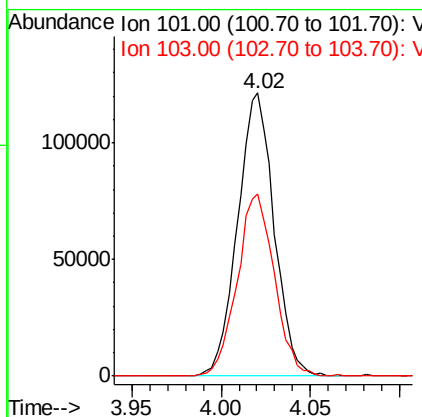
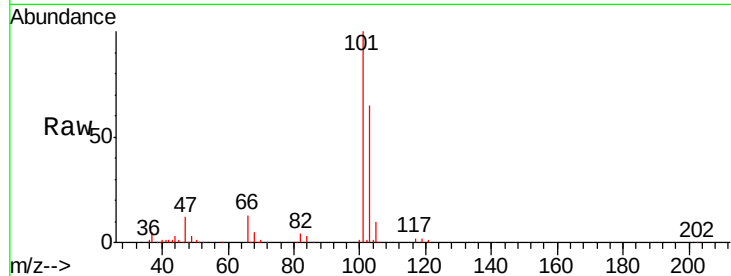
#11
 Trichlorofluoromethane
 Concen: 1.14 ppbv
 RT: 4.02 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:101 Resp: 173827
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.2

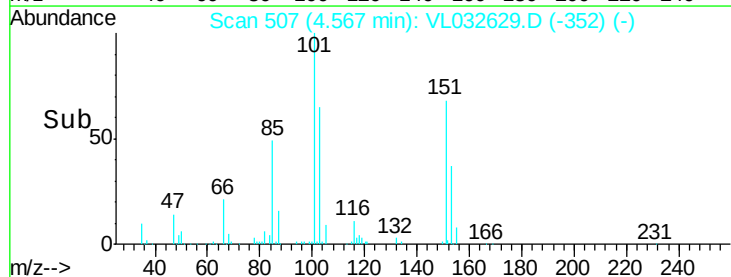
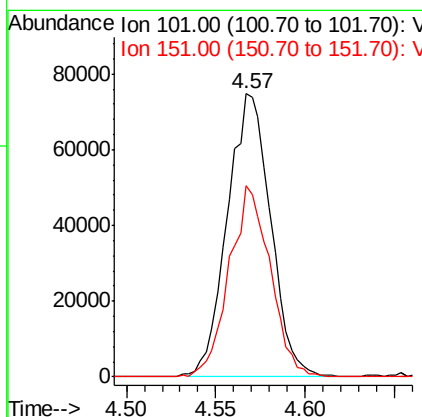
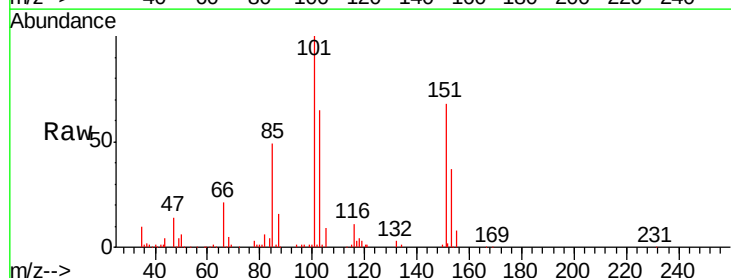
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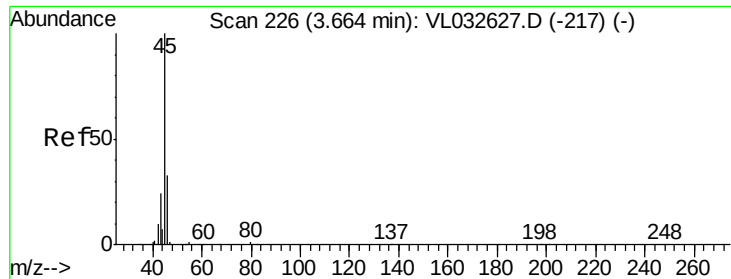
MMDadoda
 10/19/2018 4:36:24 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.11 ppbv
 RT: 4.57 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion:101 Resp: 125861
 Ion Ratio Lower Upper
 101 100
 151 63.9 52.3 78.5





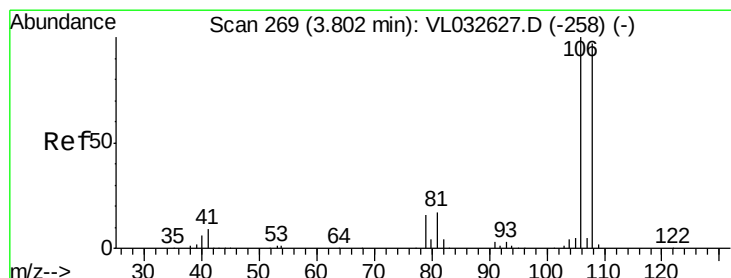
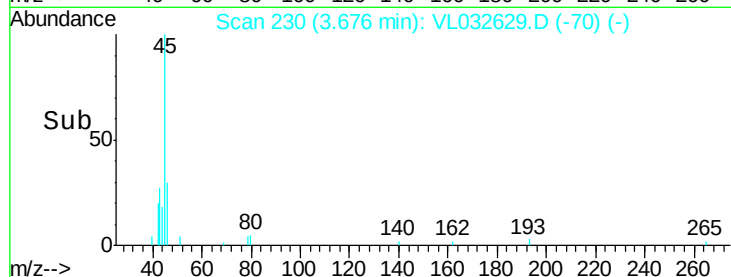
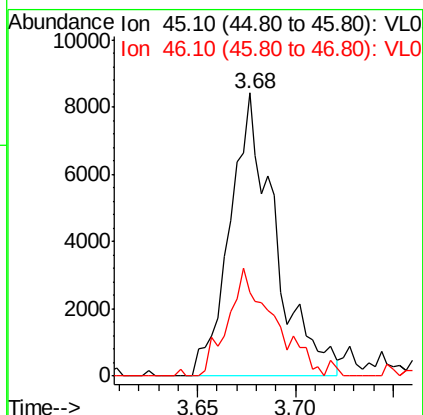
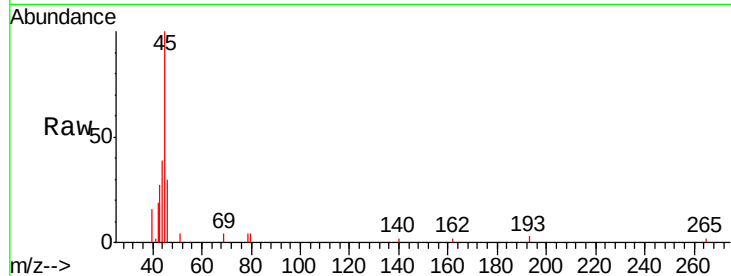
#13
Ethanol
Concen: 1.26 ppbv m
RT: 3.68 min Scan# 230
Delta R.T. 0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 13642
Ion Ratio Lower Upper
45 100
46 39.7 15.4 61.8

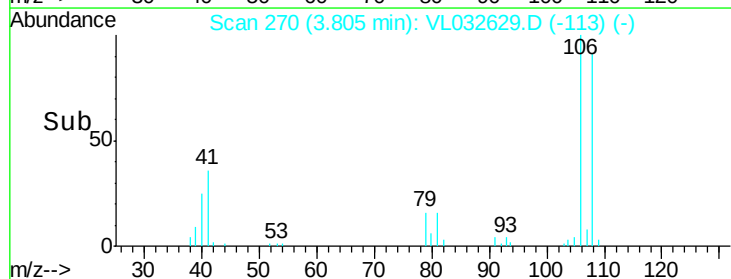
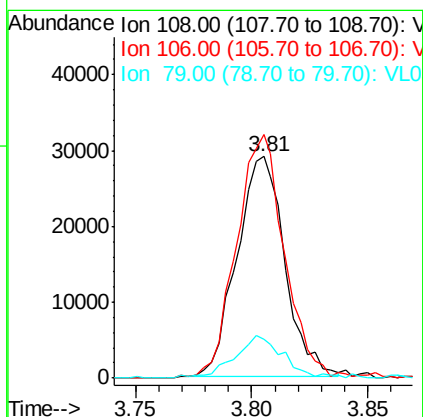
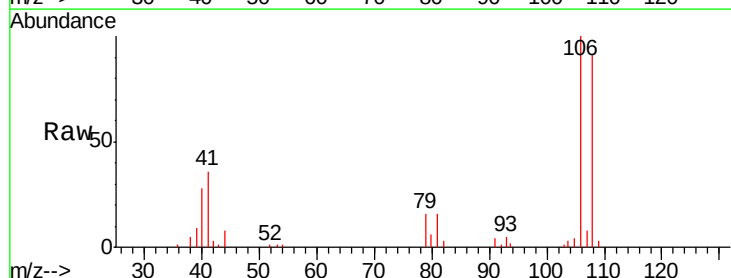
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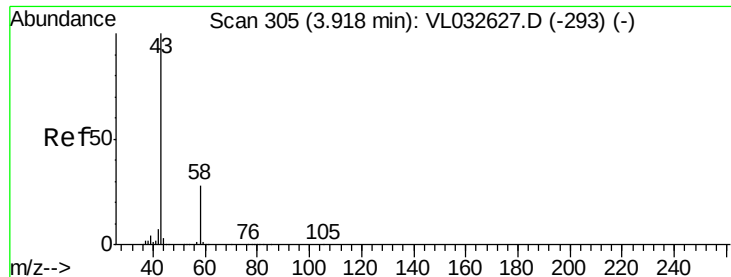
MMDadoda
10/19/2018 4:36:24 PM



#14
Bromoethene
Concen: 0.98 ppbv
RT: 3.81 min Scan# 270
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion: 108 Resp: 41852
Ion Ratio Lower Upper
108 100
106 111.6 85.0 127.4
79 19.9 13.7 20.5





#15

Acetone

Concen: 1.08 ppbv

RT: 3.93 min Scan# 308

Delta R.T. 0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 118037

Ion Ratio Lower Upper

43 100

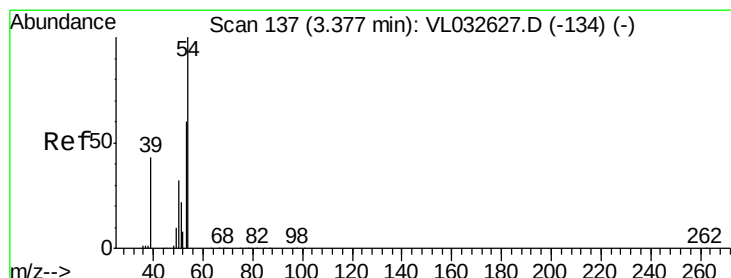
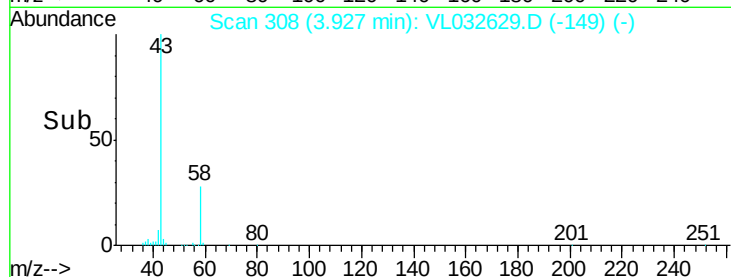
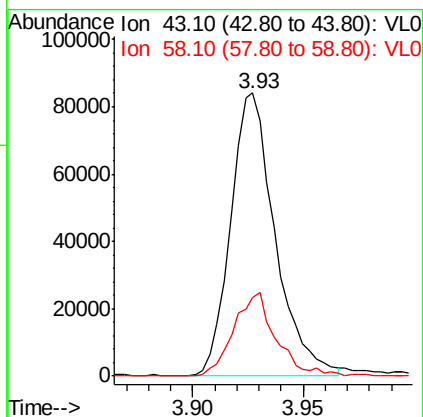
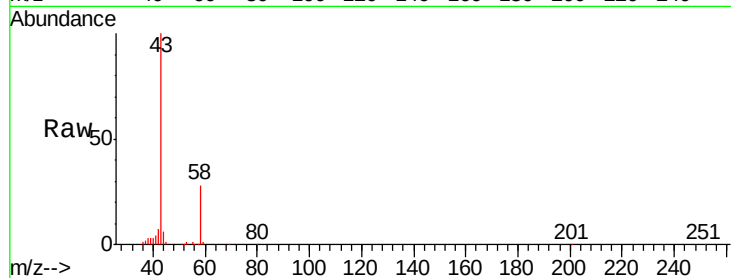
58 28.2 22.1 33.1

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.90 ppbv

RT: 3.38 min Scan# 137

Delta R.T. 0.00 min

Lab File: VL032629.D

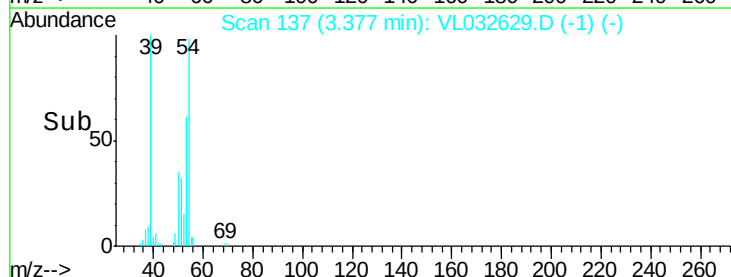
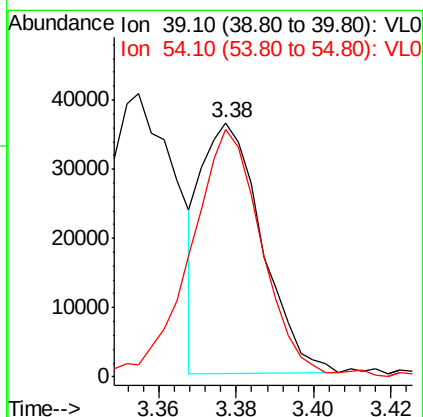
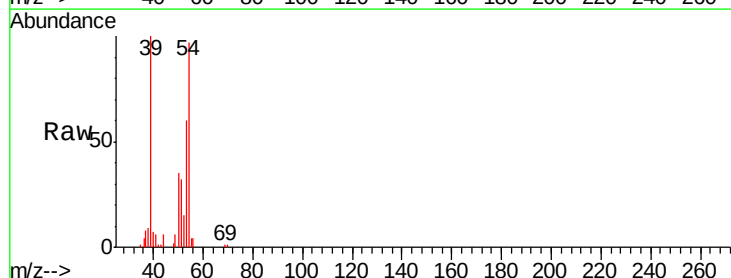
Acq: 17 Oct 2018 4:04

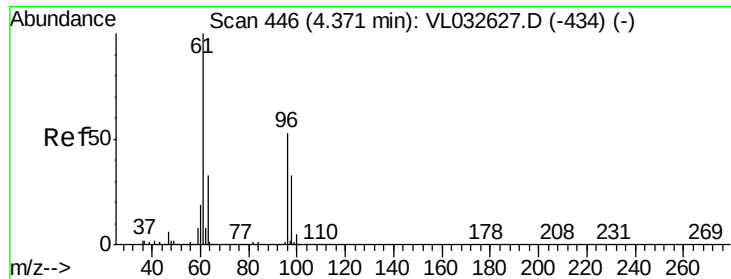
Tgt Ion: 39 Resp: 39230

Ion Ratio Lower Upper

39 100

54 120.0 90.4 135.6





#17

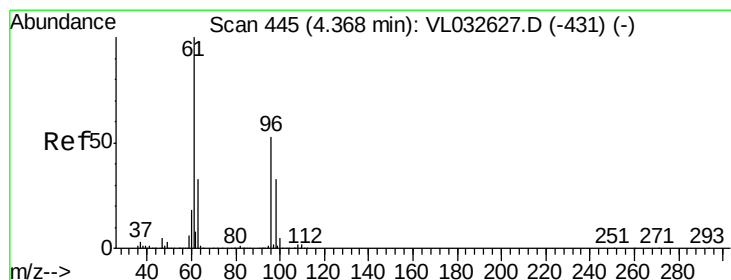
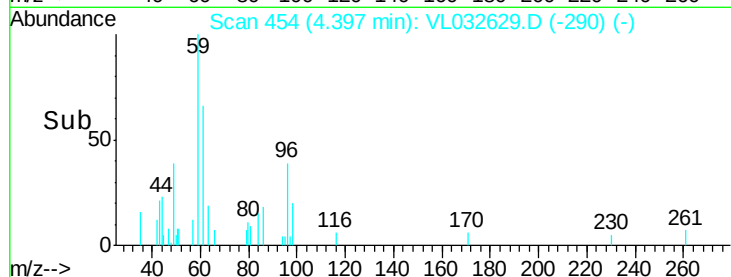
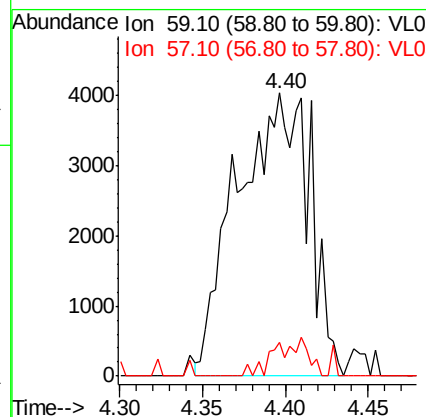
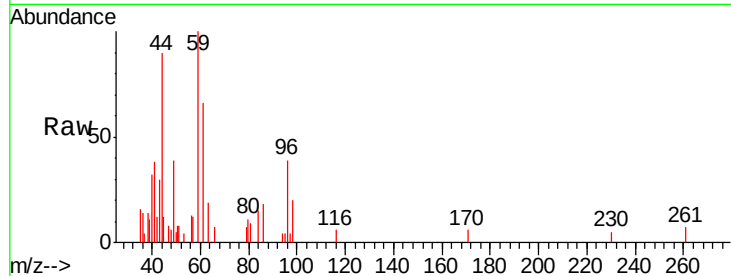
tert-Butyl alcohol
 Concen: 1.38 ppbv m
 RT: 4.40 min Scan# 454
 Delta R.T. 0.03 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

Manual Integrations
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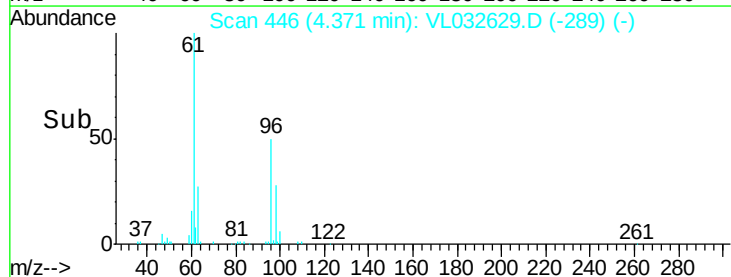
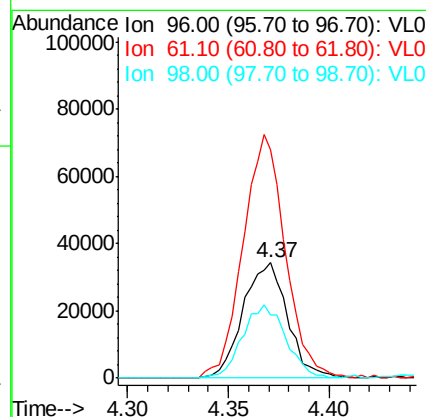
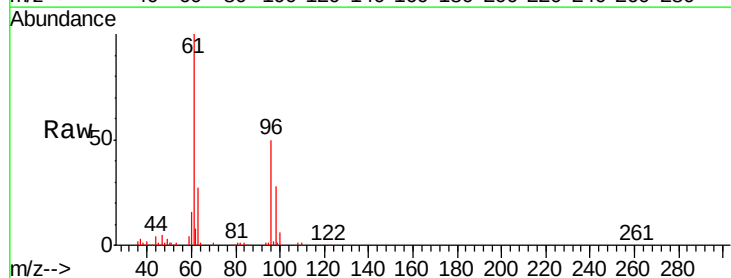
MMDadoda
 10/19/2018 4:36:24 PM

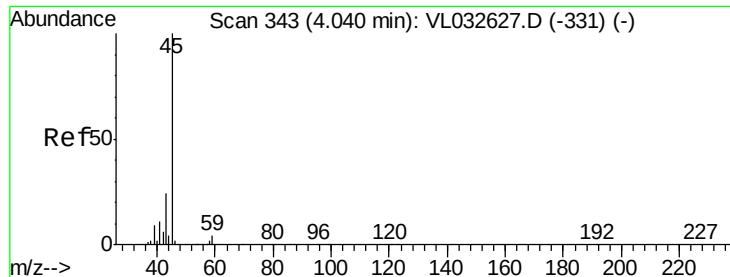


#18

1,1-Dichloroethene
 Concen: 1.05 ppbv
 RT: 4.37 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.0	151.6	227.4
98	54.6	50.6	75.8





#19

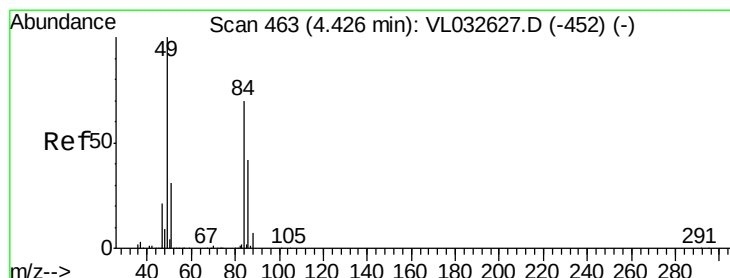
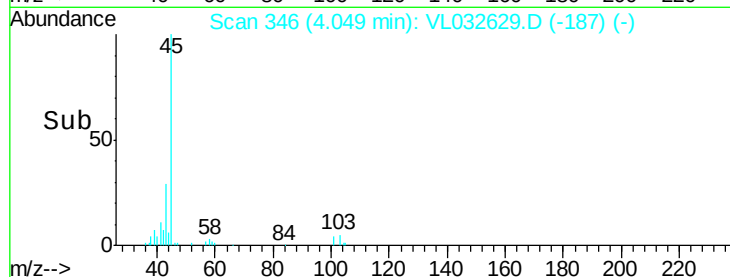
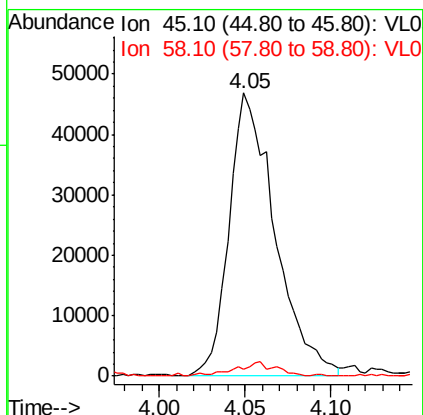
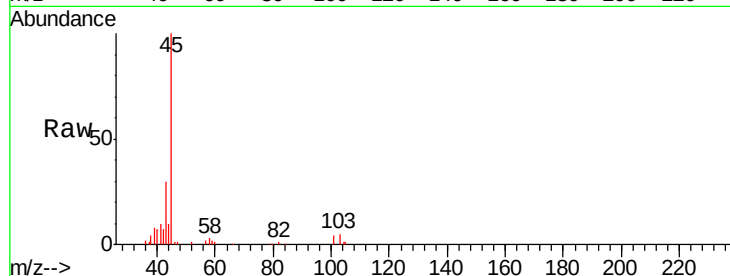
Isopropyl Alcohol
 Concen: 1.23 ppbv
 RT: 4.05 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 45 Resp: 87162
 Ion Ratio Lower Upper
 45 100
 58 4.8 2.0 3.0#

Manual Integrations
 APPROVED

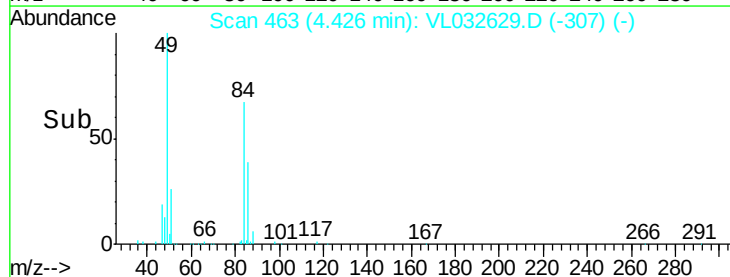
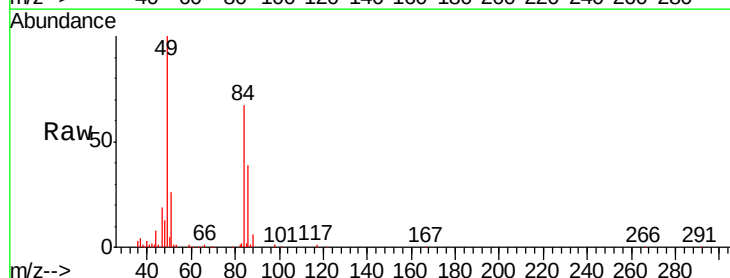
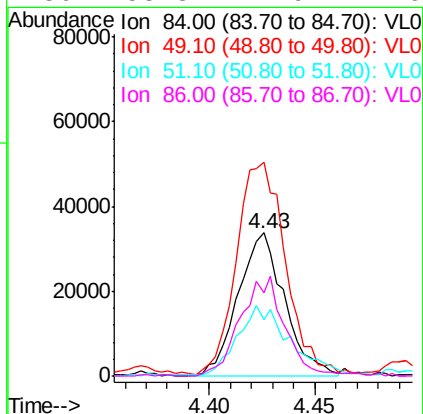
MMDadoda
 10/19/2018 4:36:24 PM

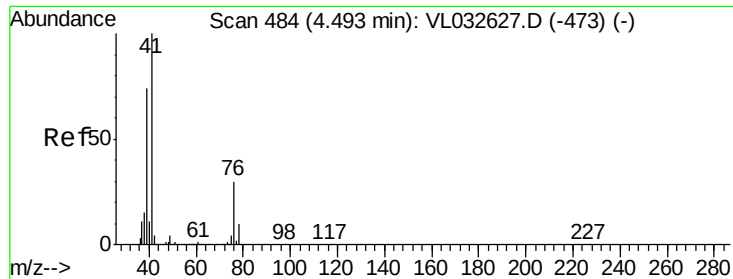


#20

Methylene Chloride
 Concen: 1.03 ppbv
 RT: 4.43 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion: 84 Resp: 51682
 Ion Ratio Lower Upper
 84 100
 49 147.9 113.5 170.3
 51 38.8 34.8 52.2
 86 58.3 47.9 71.9





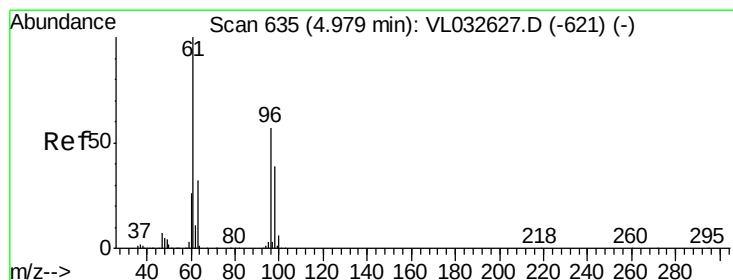
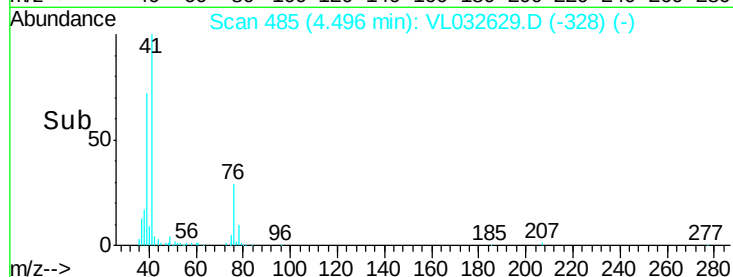
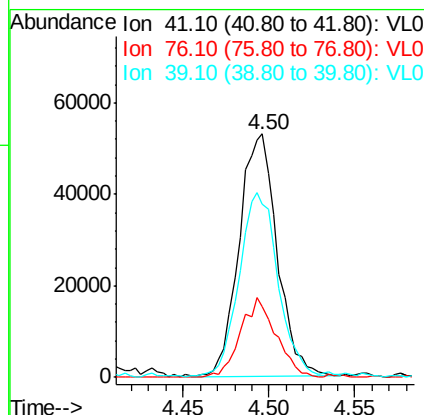
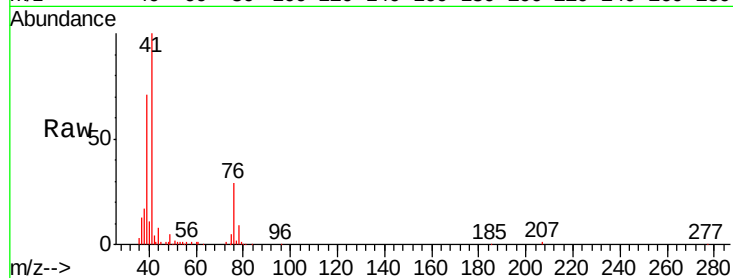
#21
 Allyl Chloride
 Concen: 0.98 ppbv
 RT: 4.50 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
41	100		
76	31.4	24.3	36.5
39	78.7	60.3	90.5

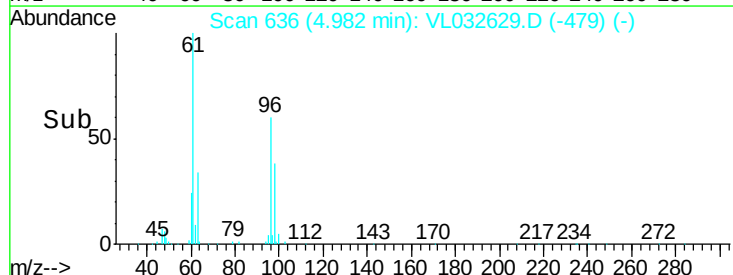
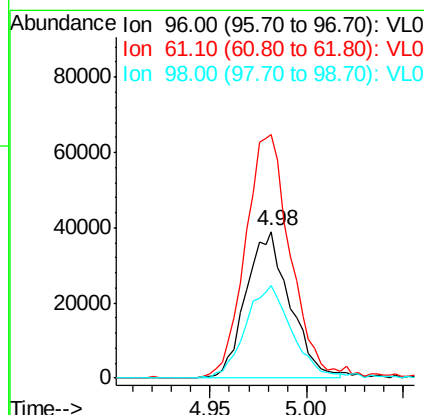
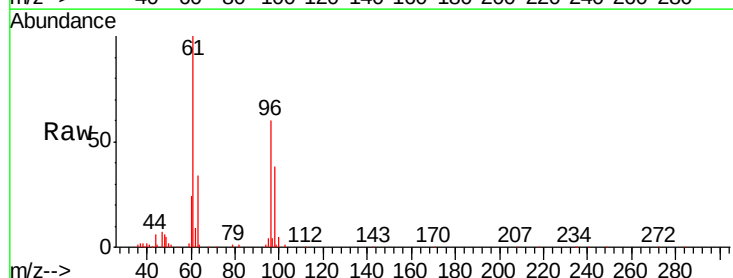
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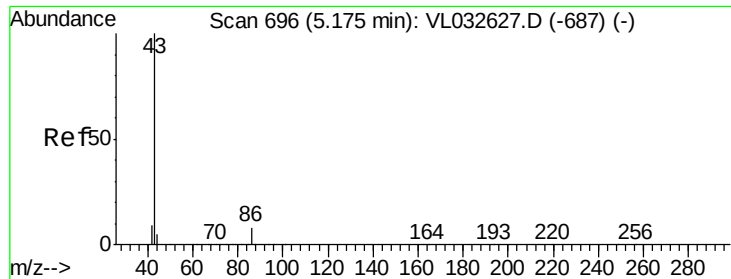
MMDadoda
 10/19/2018 4:36:24 PM



#22
 trans-1,2-Dichloroethene
 Concen: 1.05 ppbv
 RT: 4.98 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.4	140.4	210.6
98	63.3	55.0	82.6





#23

Vinyl Acetate

Concen: 0.94 ppbv

RT: 5.17 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

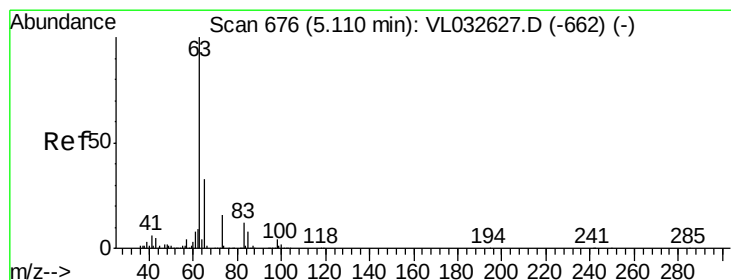
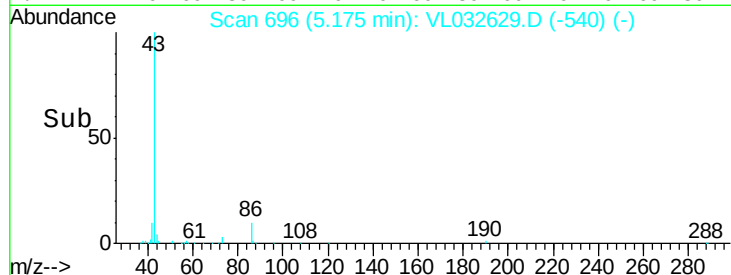
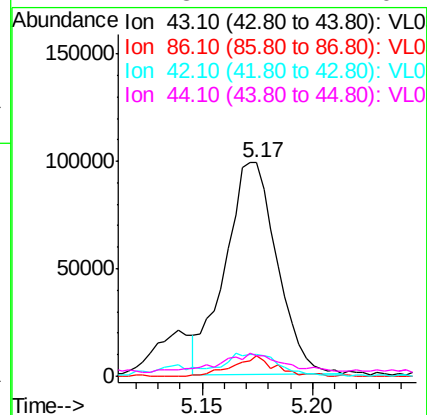
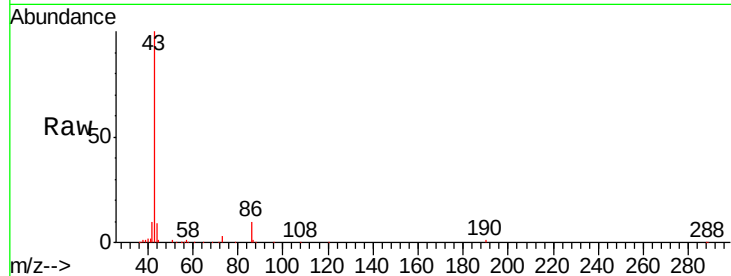
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.4	6.1	9.1#
42	9.7	7.4	11.2
44	7.3	4.2	6.2#

Manual Integrations
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MMDadoda
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#24

1,1-Dichloroethane

Concen: 1.10 ppbv

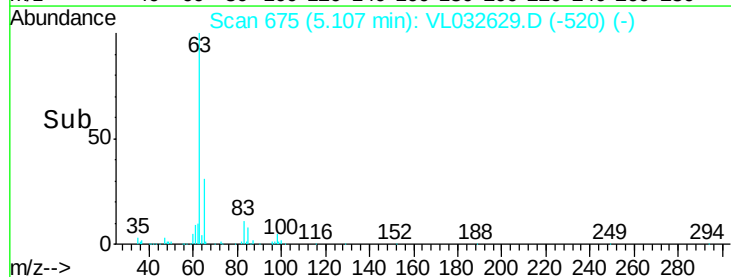
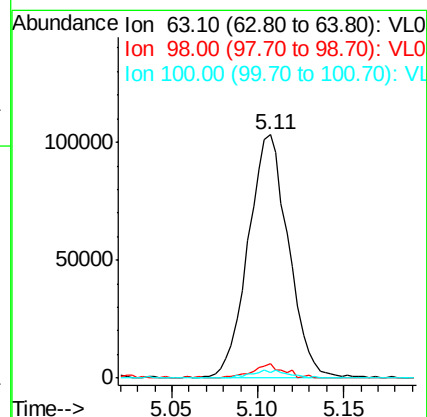
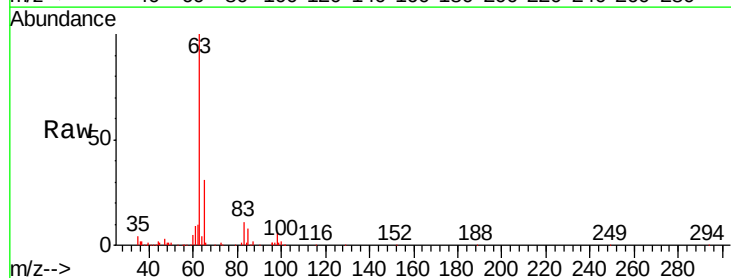
RT: 5.11 min Scan# 675

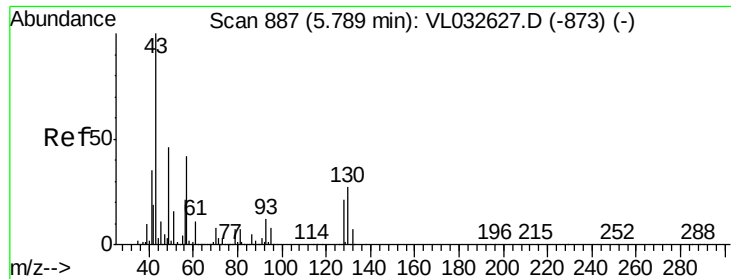
Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.1	6.3
100	2.5	1.2	3.6





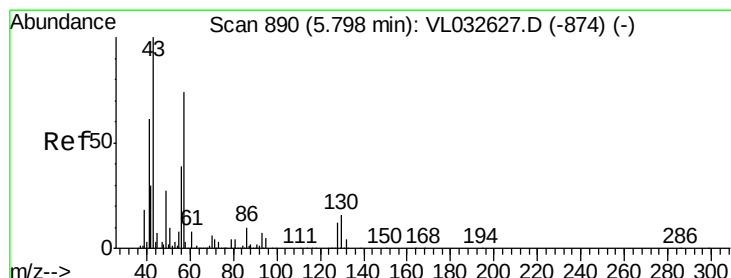
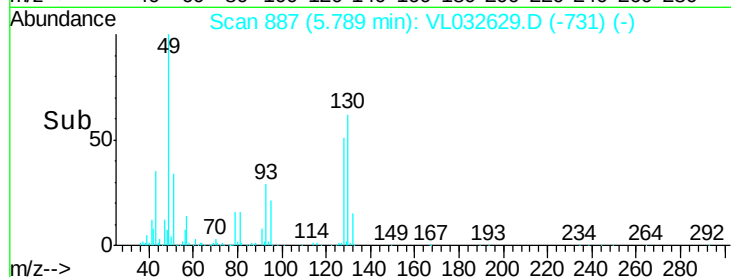
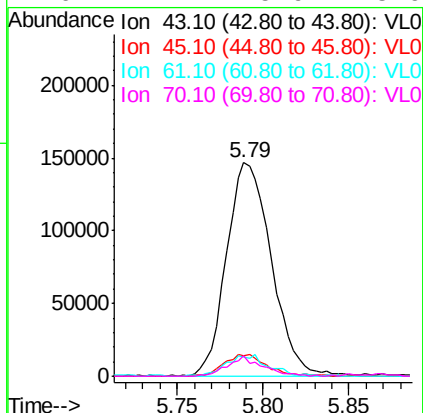
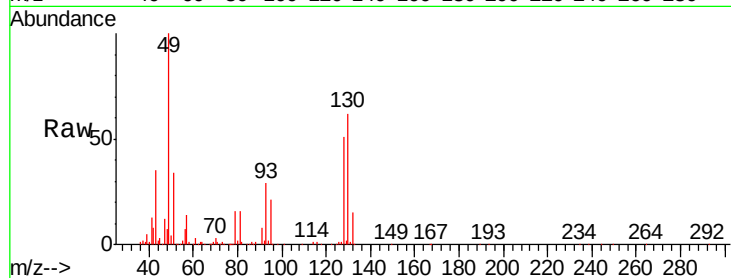
#25
Ethyl Acetate
Concen: 1.05 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	9.9	8.0	12.0
70	7.4	5.9	8.9

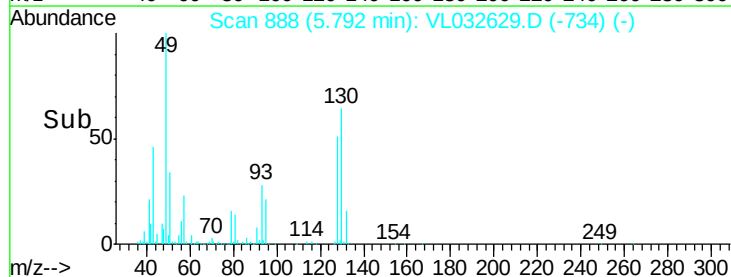
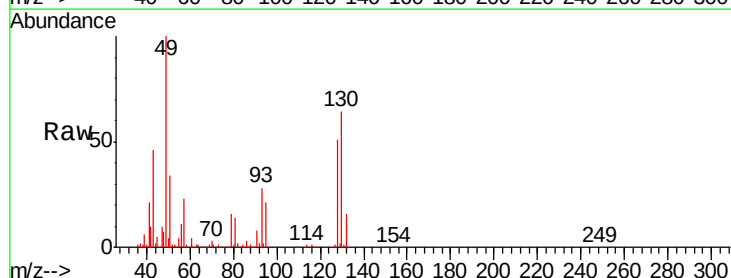
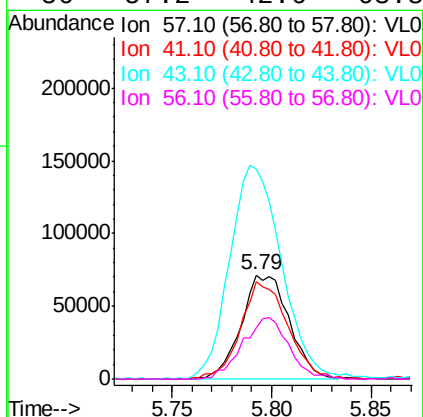
Manual Integrations
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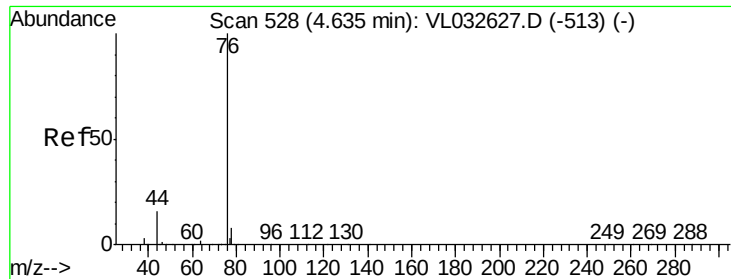
MMDadoda
10/19/2018 4:36:24 PM



#26
Hexane
Concen: 1.03 ppbv m
RT: 5.79 min Scan# 888
Delta R.T. -0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	67.4	101.0#
43	0.0	171.9	257.9#
56	57.2	42.6	63.8





#27

Carbon Disulfide

Concen: 1.11 ppbv

RT: 4.64 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

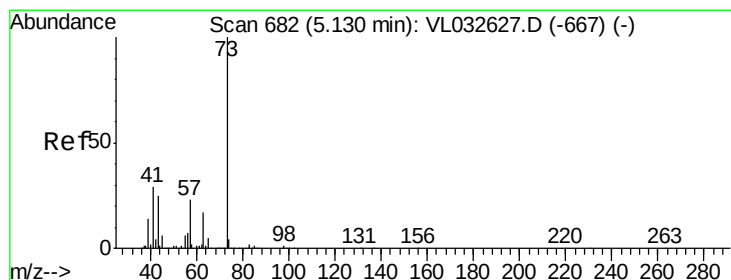
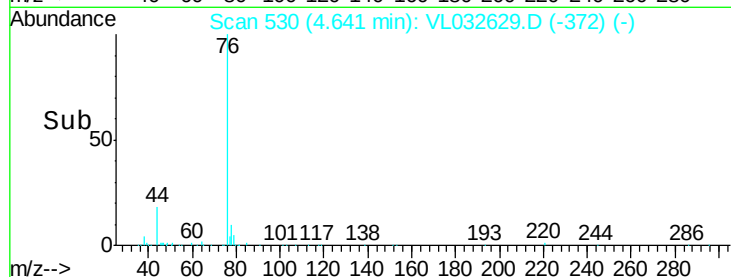
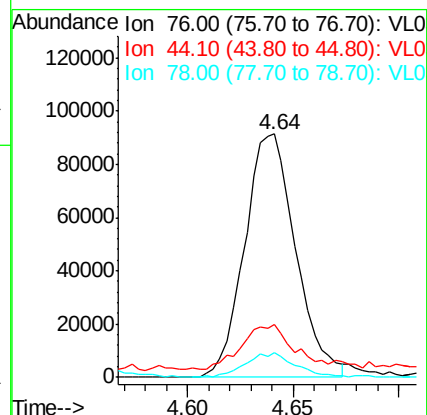
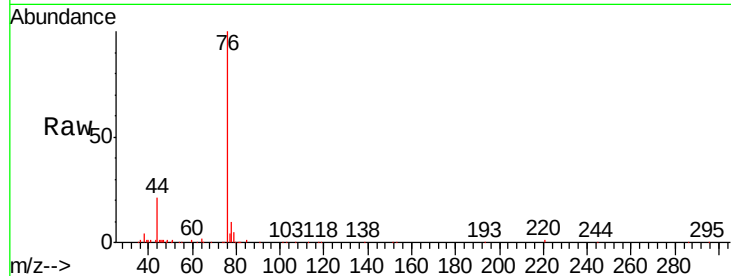
ClientSampleId :

VSTDIC001

Tgt Ion:	76	Resp:	153637
Ion Ratio		Lower	Upper
76	100		
44	24.4	13.7	20.5#
78	10.2	7.4	11.2

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.03 ppbv

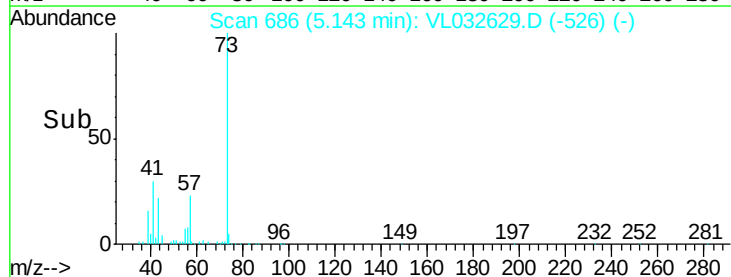
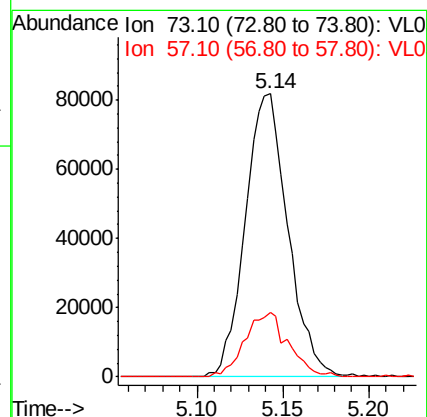
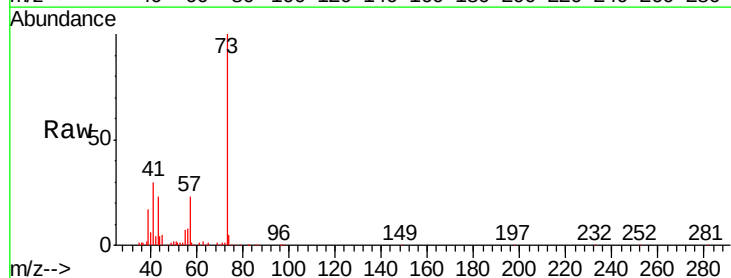
RT: 5.14 min Scan# 686

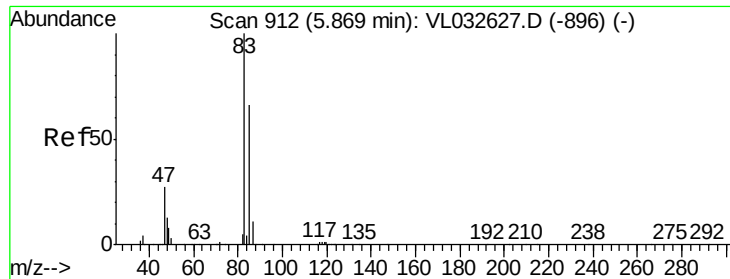
Delta R.T. 0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Tgt Ion:	73	Resp:	140560
Ion Ratio		Lower	Upper
73	100		
57	23.5	18.0	27.0





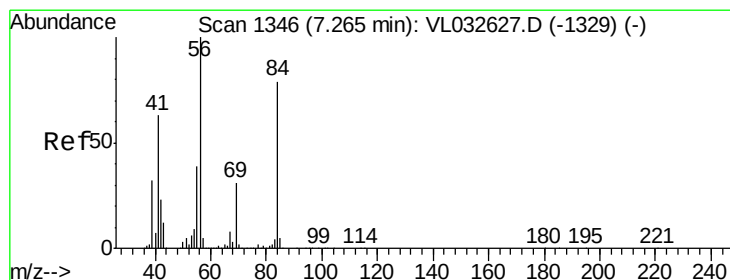
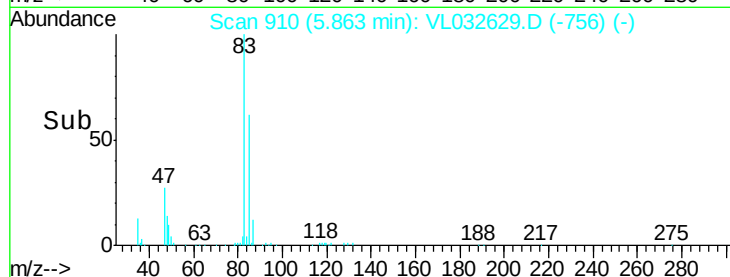
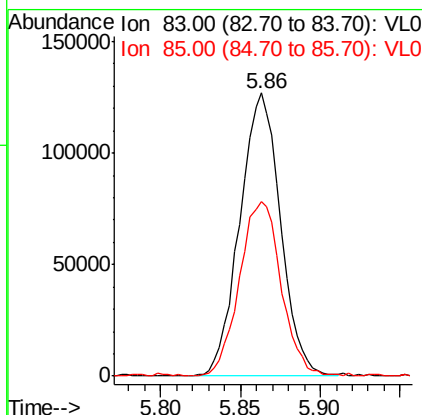
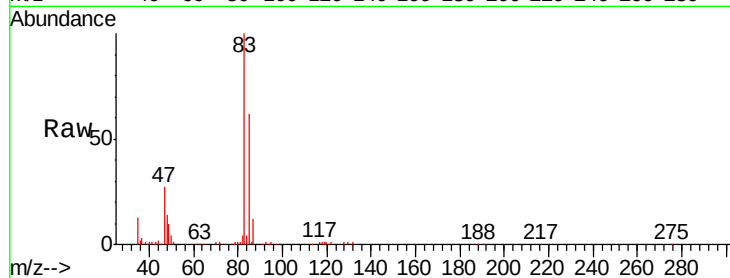
#29
Chloroform
Concen: 1.11 ppbv
RT: 5.86 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	53.0	79.6

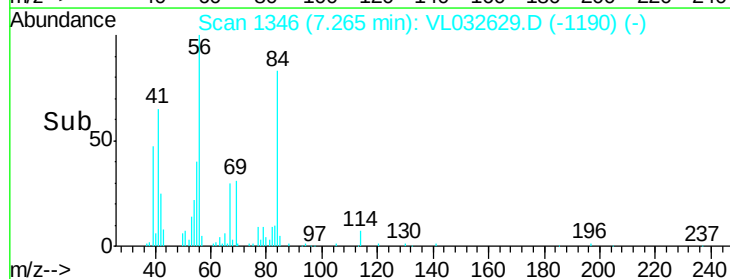
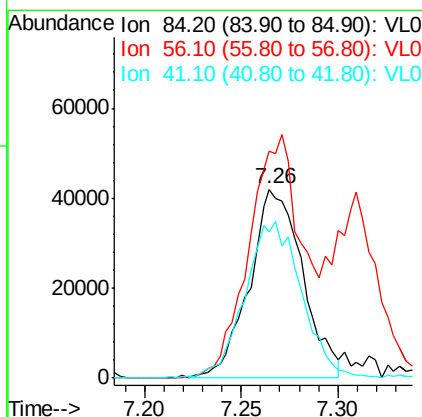
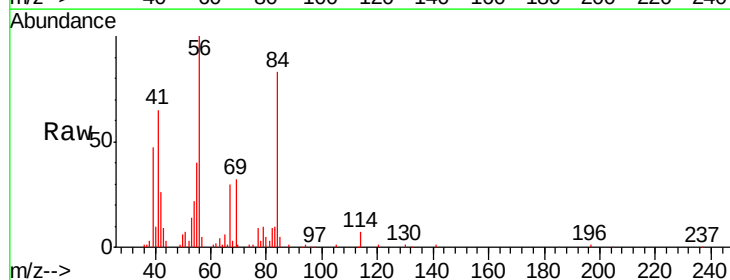
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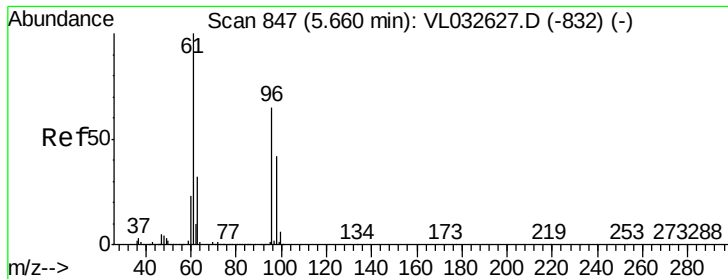
MMDadoda
10/19/2018 4:36:24 PM



#30
Cyclohexane
Concen: 0.87 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
84	100		
56	130.0	108.3	162.5
41	89.0	64.8	97.2





#31

cis-1,2-Dichloroethene

Concen: 0.94 ppbv

RT: 5.65 min Scan# 845

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

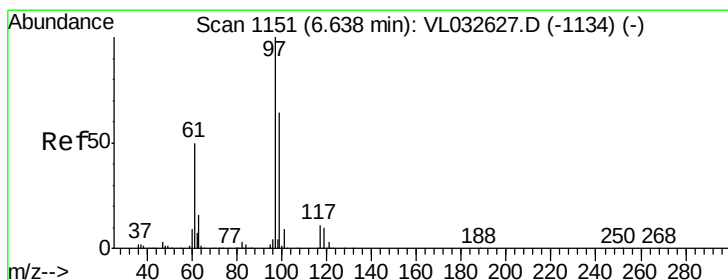
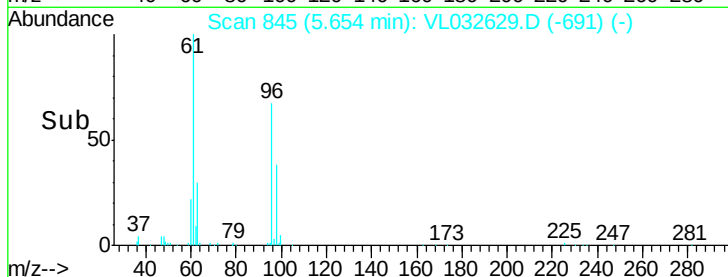
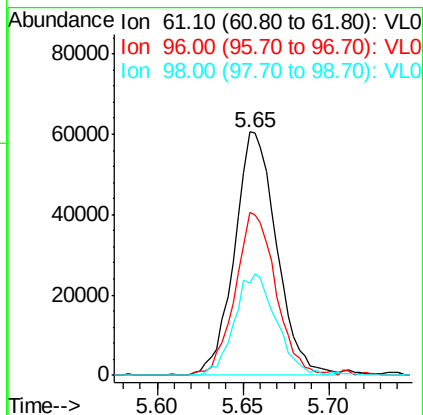
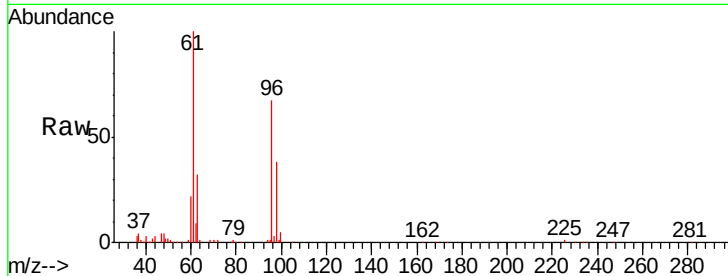
ClientSampleId :

VSTDIC001

Tgt Ion:	61	Resp:	103503
Ion Ratio		Lower	Upper
61	100		
96	66.7	51.8	77.6
98	38.0	33.8	50.6

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#32

1,1,1-Trichloroethane

Concen: 1.06 ppbv

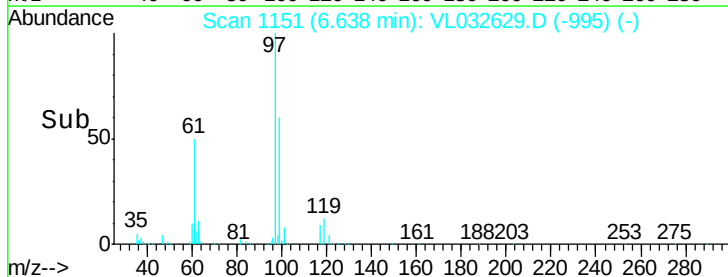
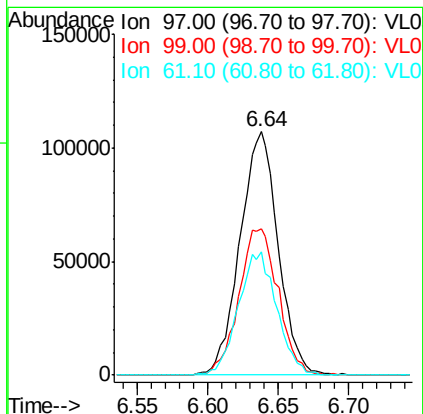
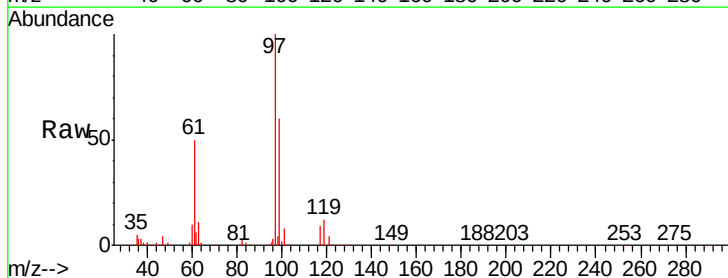
RT: 6.64 min Scan# 1151

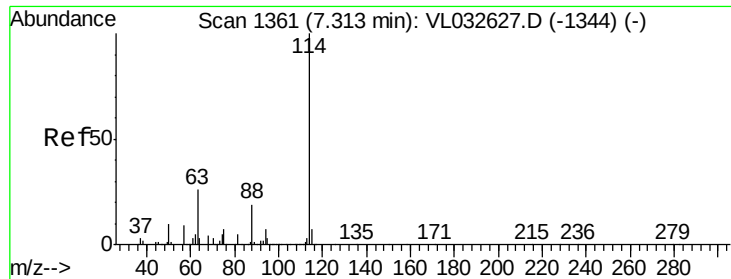
Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Tgt Ion:	97	Resp:	203310
Ion Ratio		Lower	Upper
97	100		
99	62.2	52.0	78.0
61	51.1	40.7	61.1





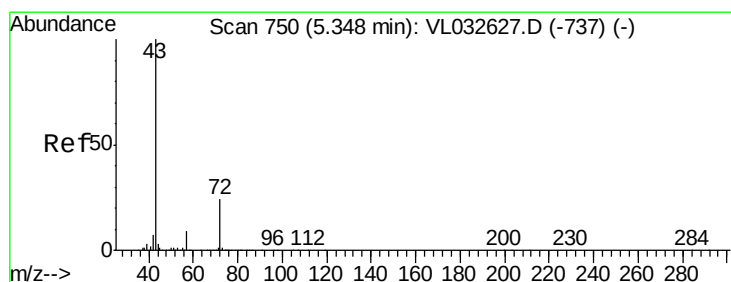
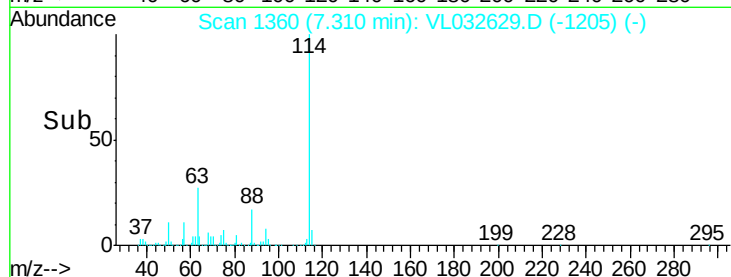
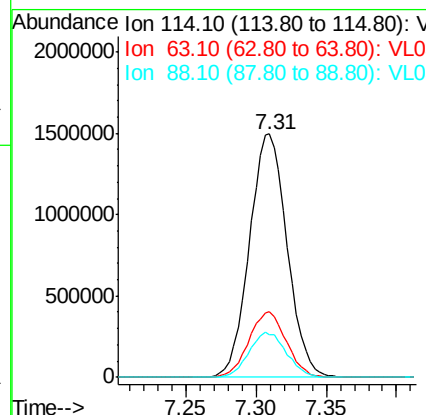
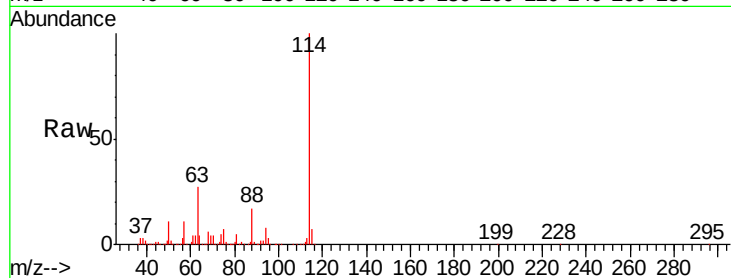
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.7	32.5
88	18.5	14.9	22.3

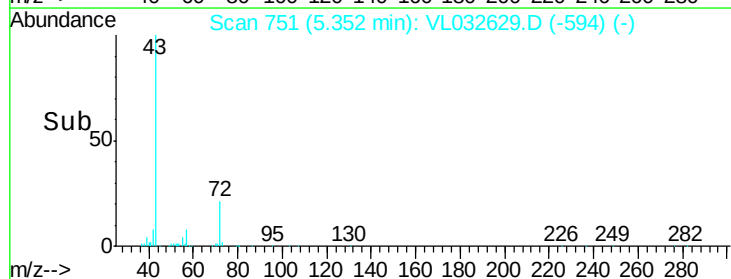
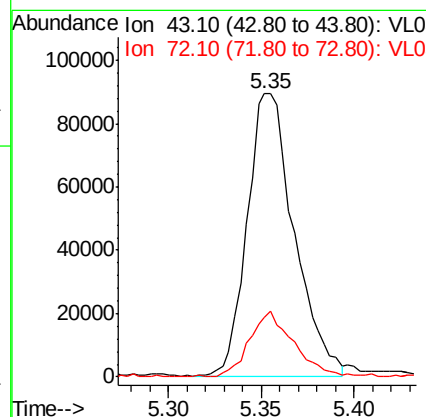
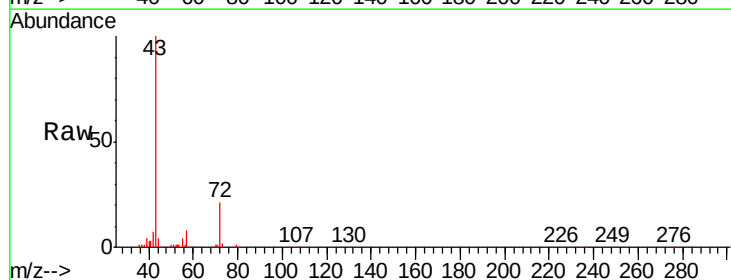
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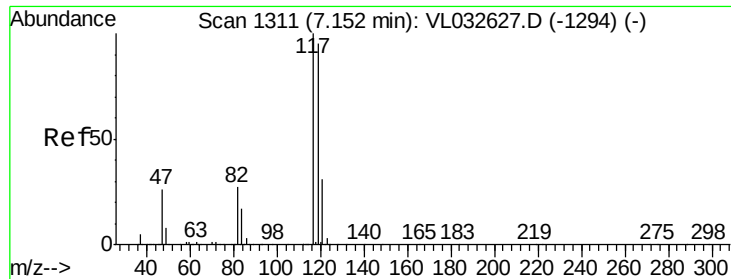
MMDadoda
 10/19/2018 4:36:24 PM



#34
 2-Butanone
 Concen: 1.10 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.6	27.8





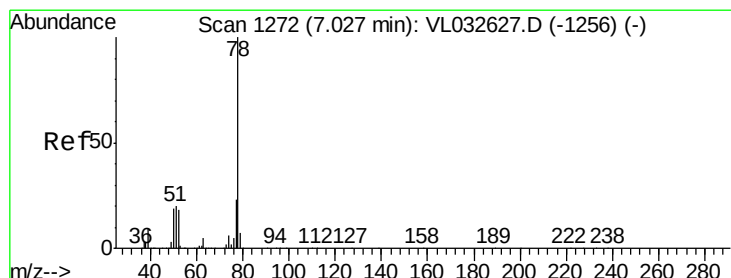
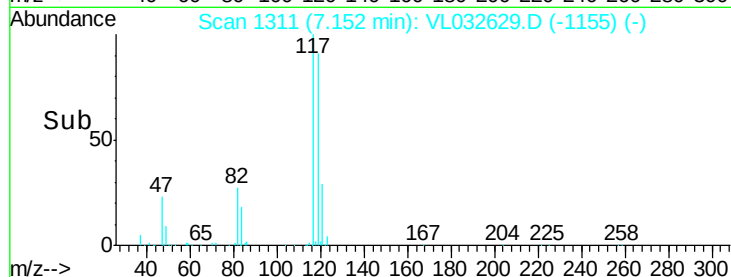
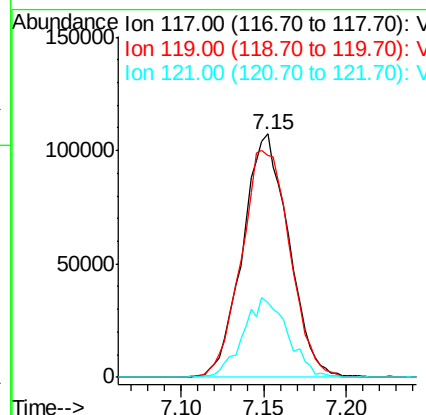
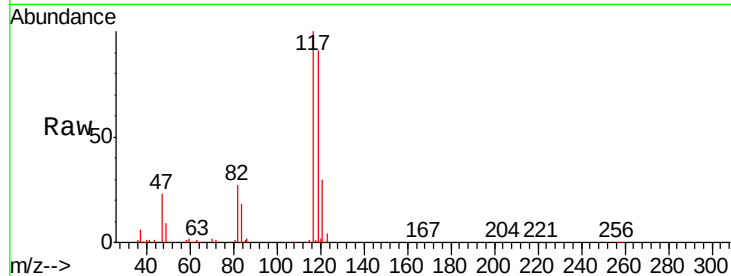
#35
Carbon Tetrachloride
Concen: 1.03 ppbv
RT: 7.15 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	206920		
119	90.8	75.7	113.5	
121	30.3	24.7	37.1	

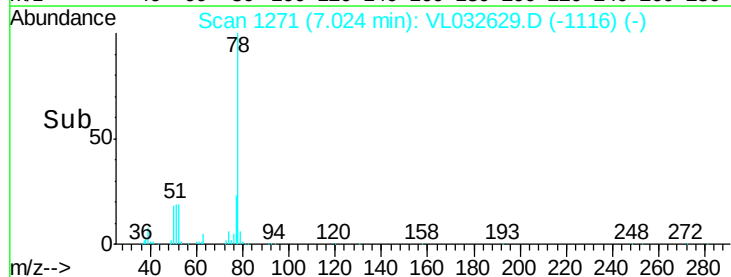
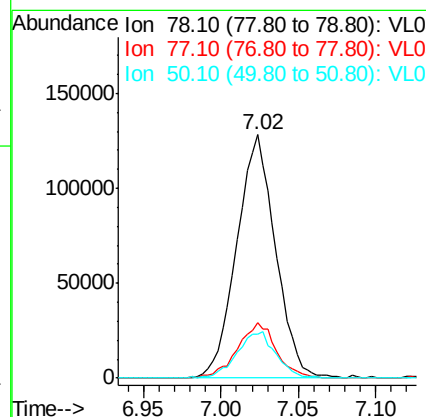
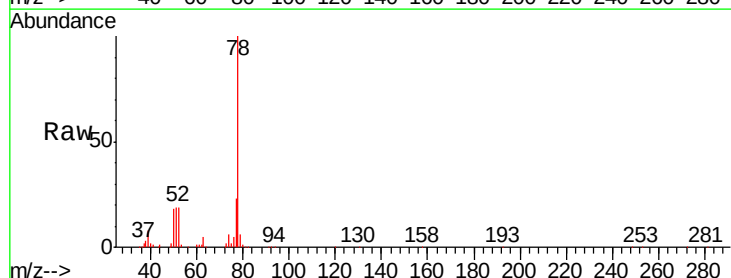
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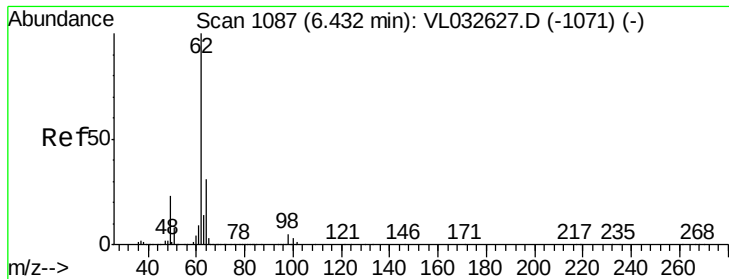
MMDadoda
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#36
Benzene
Concen: 1.00 ppbv
RT: 7.02 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	221848		
77	22.3	18.1	27.1	
50	17.9	15.1	22.7	





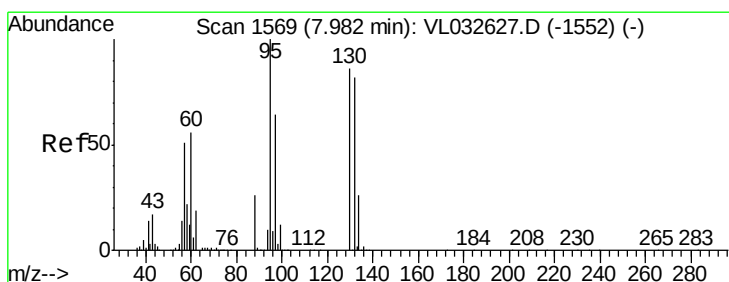
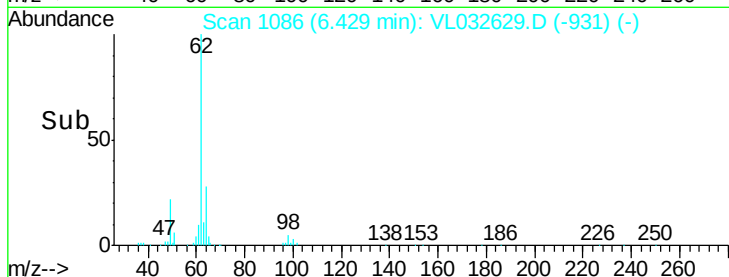
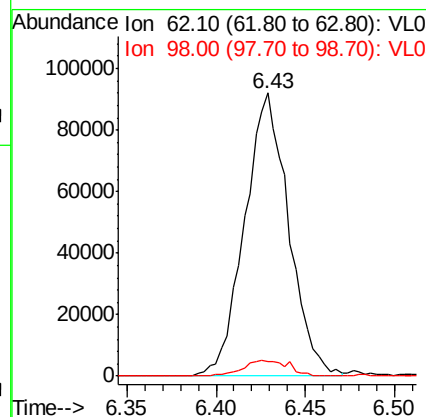
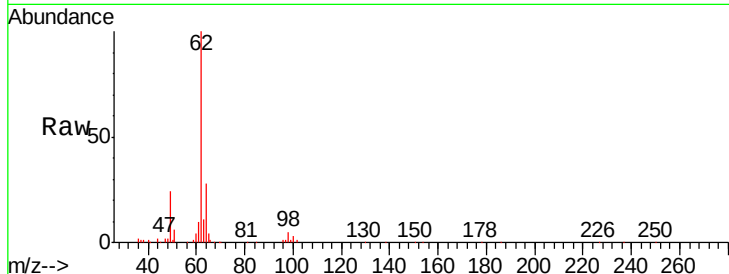
#37
 1,2-Dichloroethane
 Concen: 1.08 ppbv
 RT: 6.43 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	158539		
98	5.8	4.4	6.6	

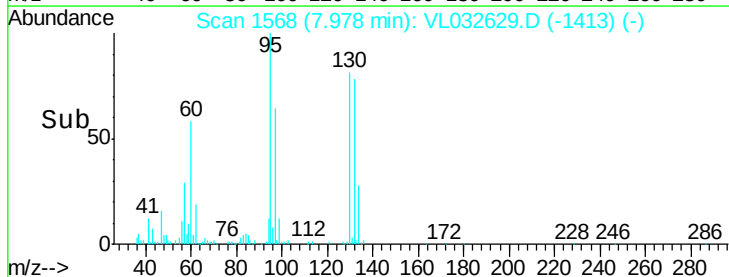
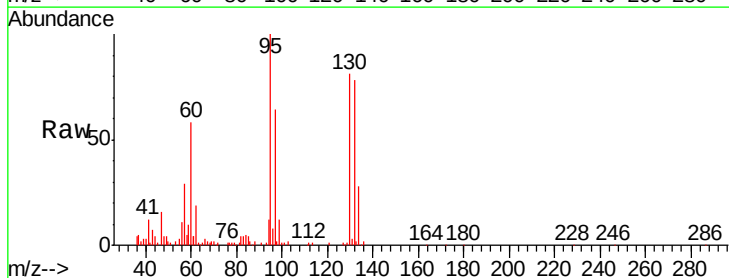
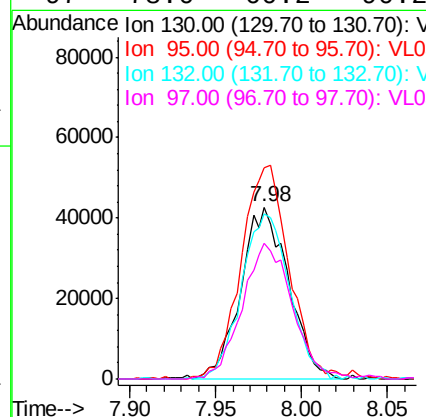
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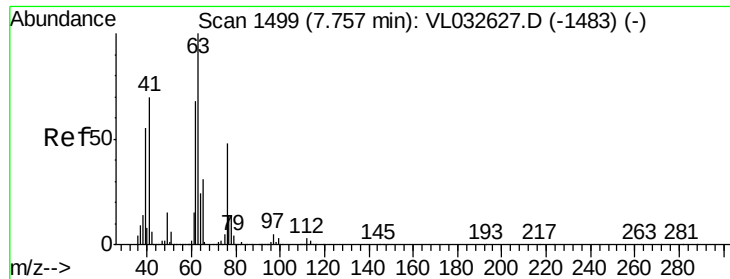
MMDadoda
 10/19/2018 4:36:24 PM



#38
 Trichloroethene
 Concen: 1.01 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	82106		
95	121.7	93.4	140.0	
132	95.8	76.5	114.7	
97	78.0	60.2	90.2	





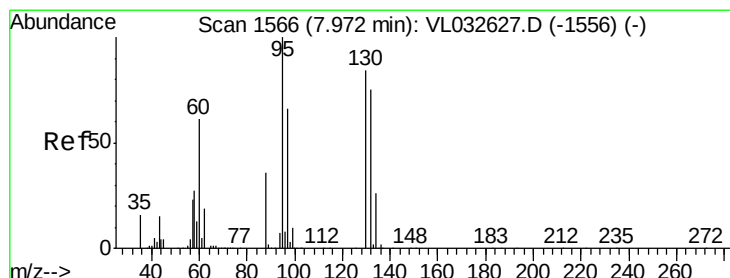
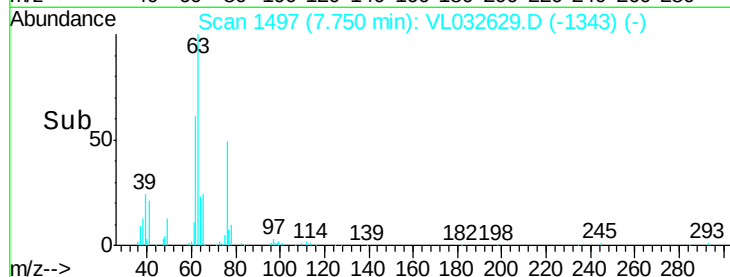
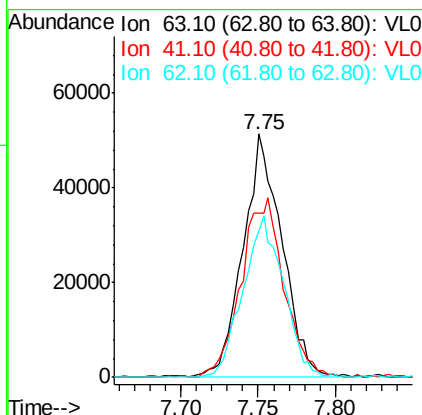
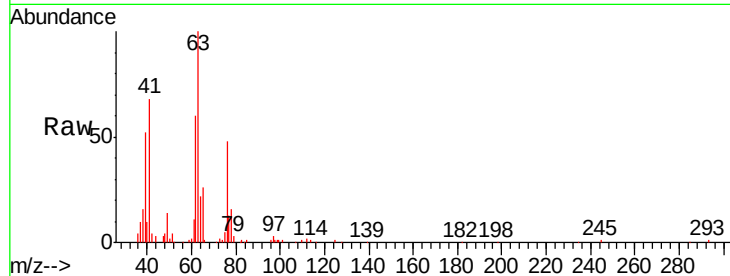
#39
 1,2-Dichloropropane
 Concen: 0.99 ppbv
 RT: 7.75 min Scan# 1497
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
63	100		
41	67.6	56.2	84.4
62	59.9	54.4	81.6

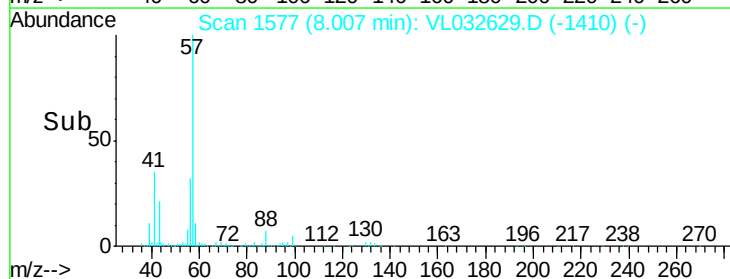
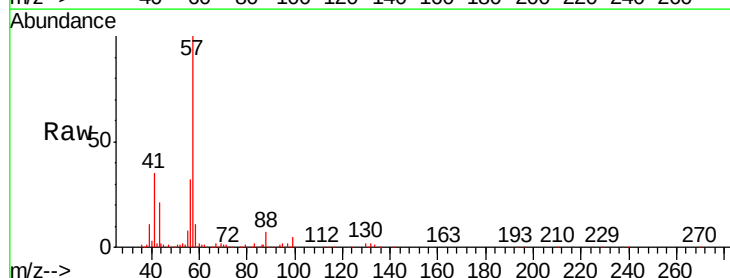
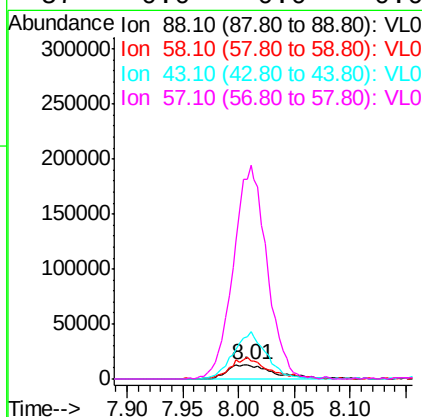
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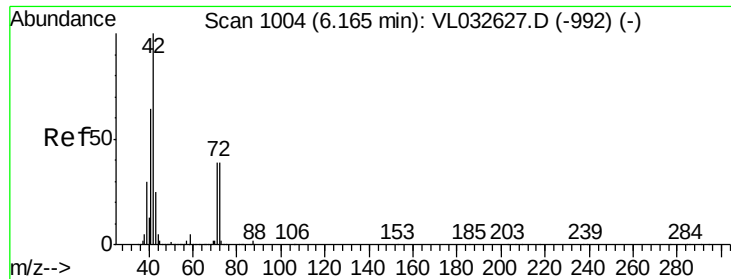
MMDadoda
 10/19/2018 4:36:24 PM



#40
 1,4-Dioxane
 Concen: 1.26 ppbv m
 RT: 8.01 min Scan# 1577
 Delta R.T. 0.04 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

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





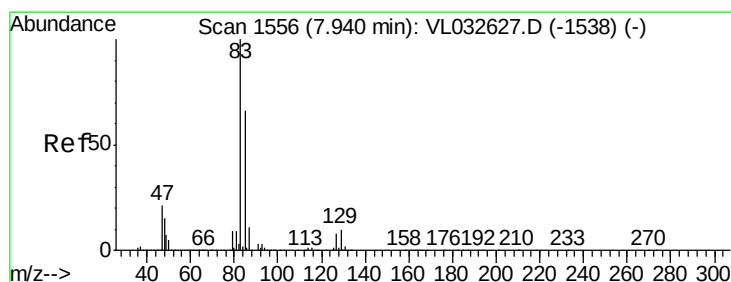
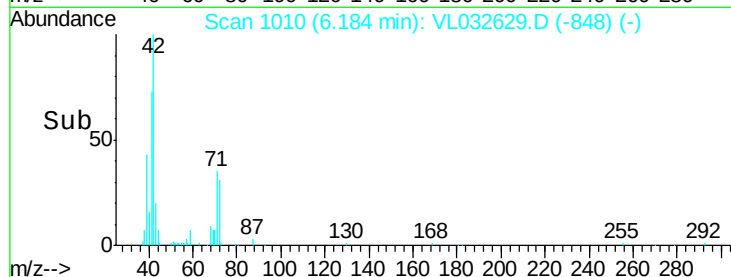
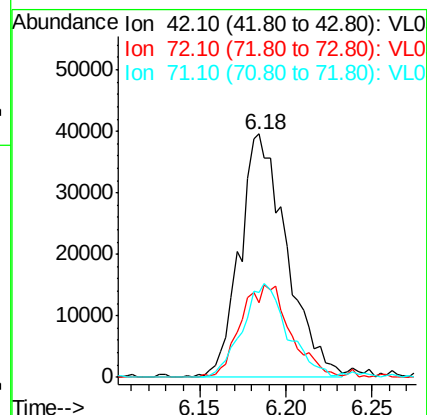
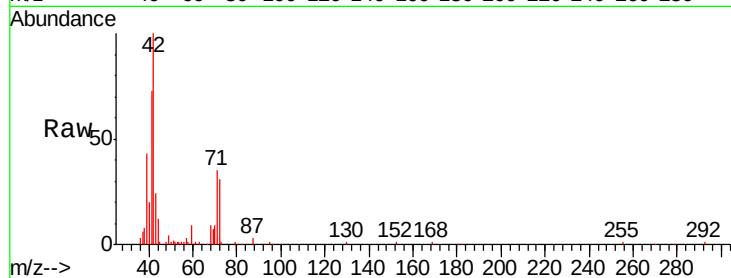
#41
Tetrahydrofuran
Concen: 0.93 ppbv
RT: 6.18 min Scan# 1010
Delta R.T. 0.02 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.4	48.6
71	38.9	31.3	46.9

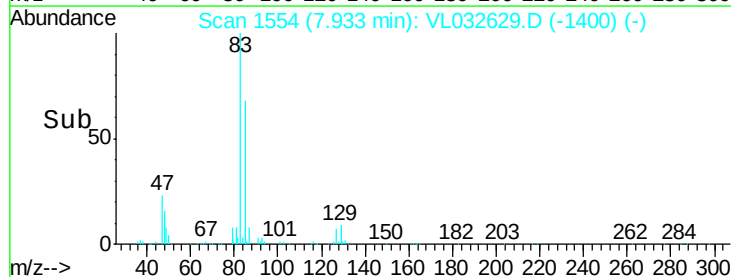
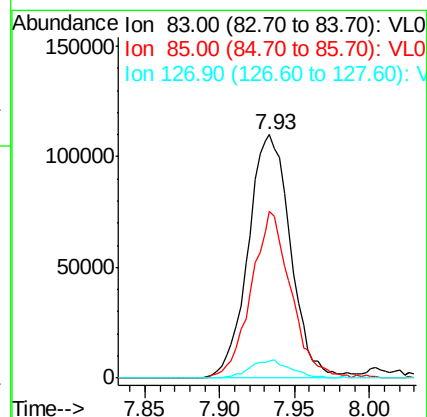
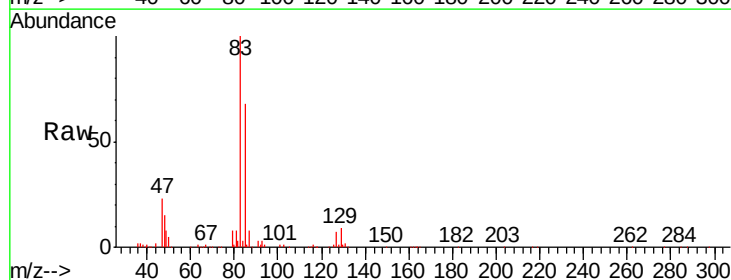
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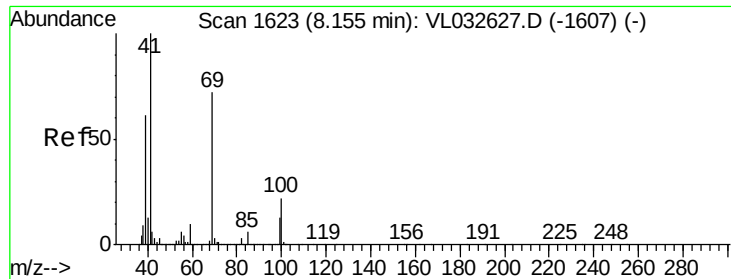
MMDadoda
10/19/2018 4:36:24 PM



#42
Bromodichloromethane
Concen: 1.05 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	52.4	78.6
127	6.8	6.1	9.1





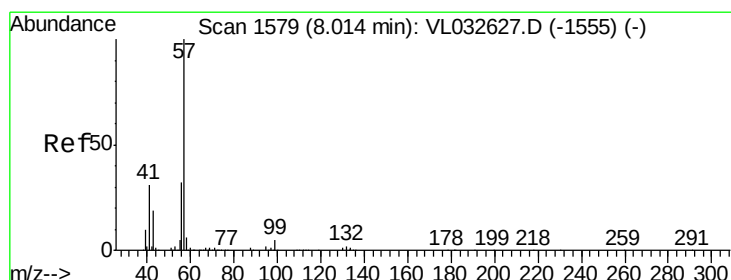
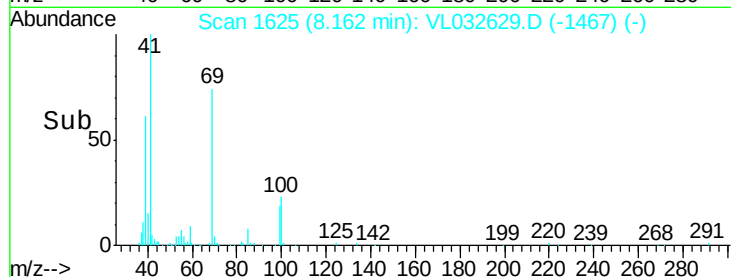
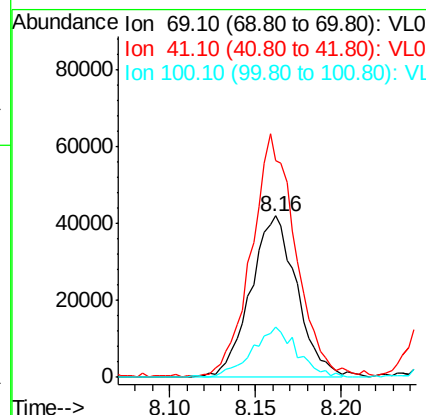
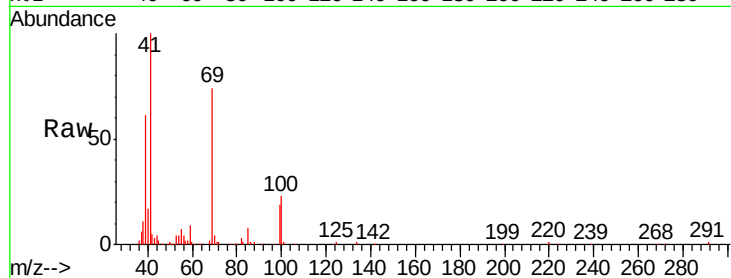
#43
Methyl Methacrylate
Concen: 0.91 ppbv
RT: 8.16 min Scan# 1625
Delta R.T. 0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
69	100		
41	143.1	113.2	169.8
100	30.6	24.4	36.6

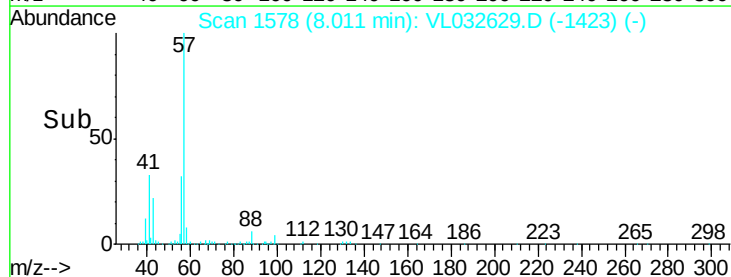
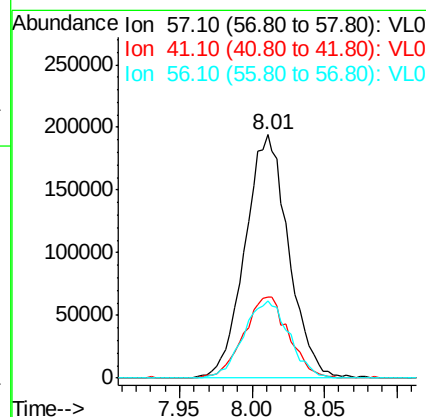
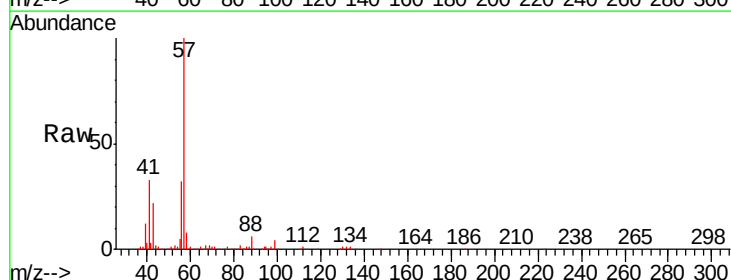
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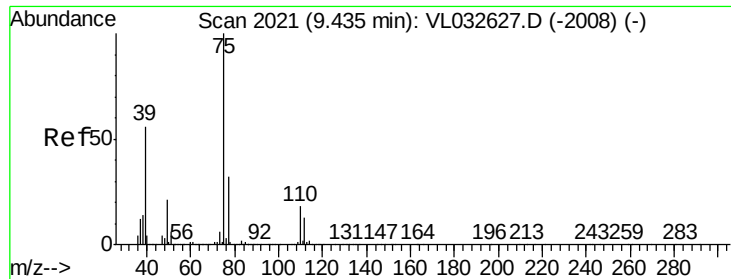
MMDadoda
10/19/2018 4:36:24 PM



#44
2,2,4-Trimethylpentane
Concen: 1.02 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.1	24.7	37.1
56	33.4	25.0	37.4





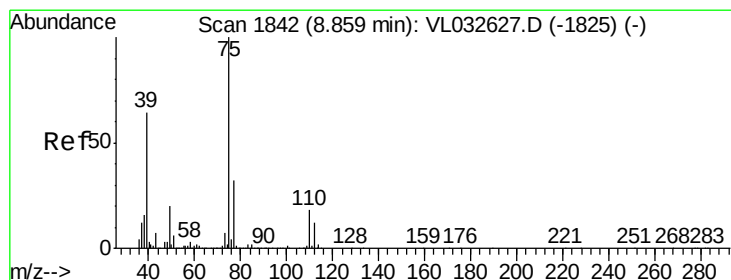
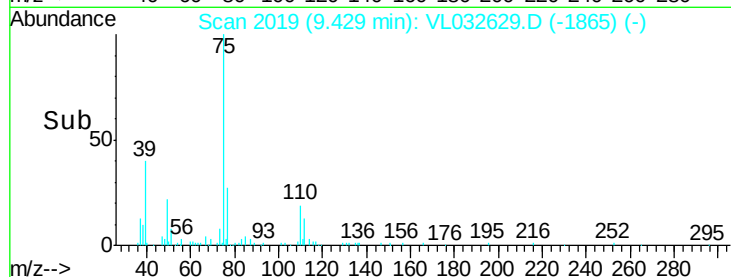
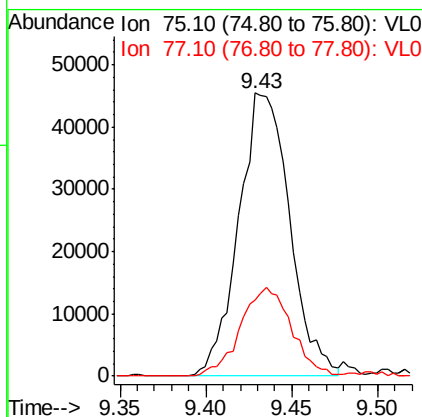
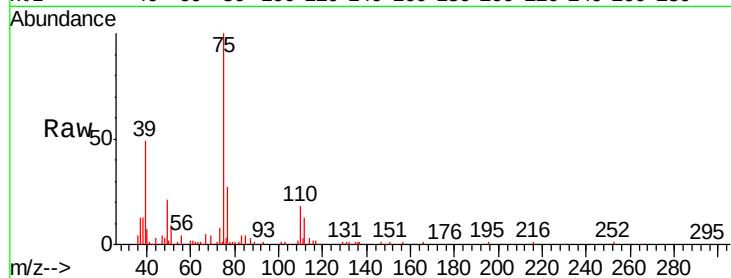
#45
 t-1,3-Dichloropropene
 Concen: 0.87 ppbv
 RT: 9.43 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 93659
 Ion Ratio Lower Upper
 75 100
 77 27.6 25.3 37.9

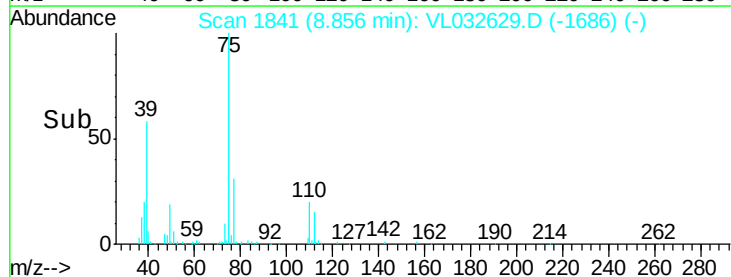
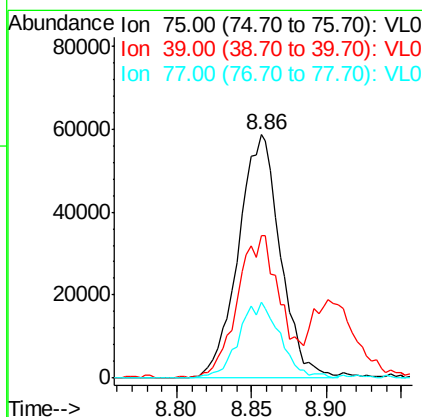
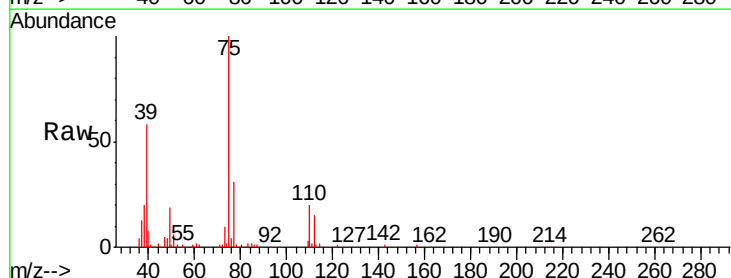
Manual Integrations
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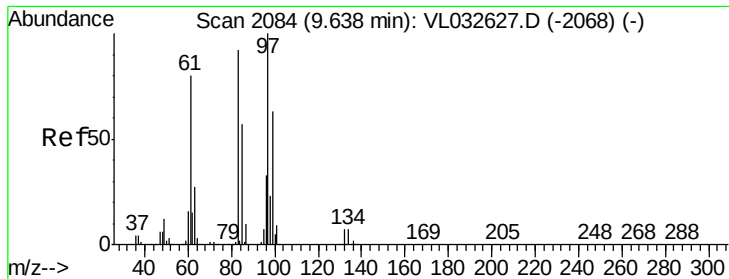
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 0.93 ppbv
 RT: 8.86 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion: 75 Resp: 114659
 Ion Ratio Lower Upper
 75 100
 39 58.0 50.9 76.3
 77 31.3 25.8 38.6





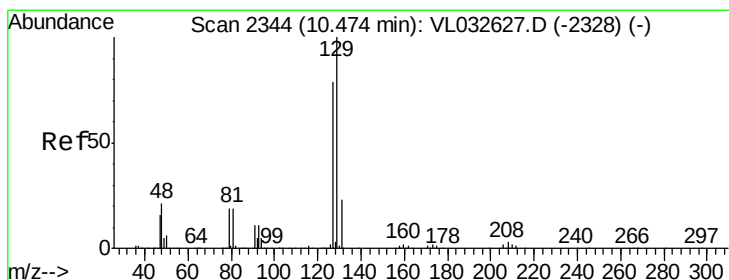
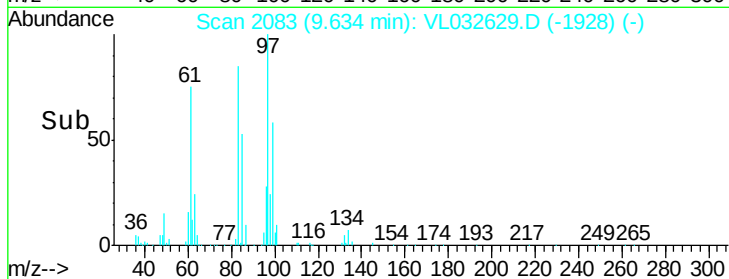
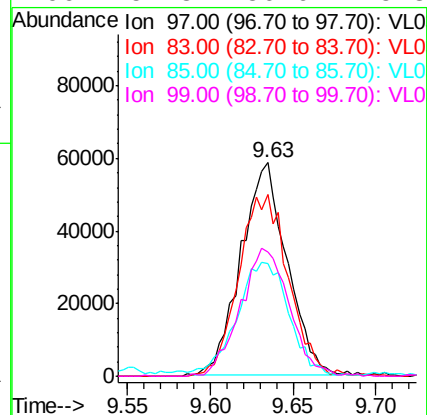
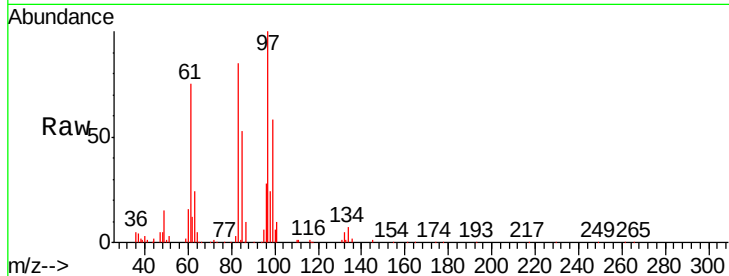
#47
 1,1,2-Trichloroethane
 Concen: 1.05 ppbv
 RT: 9.63 min Scan# 2083
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	73.5	110.3
85	51.4	45.8	68.6
99	57.8	50.6	75.8

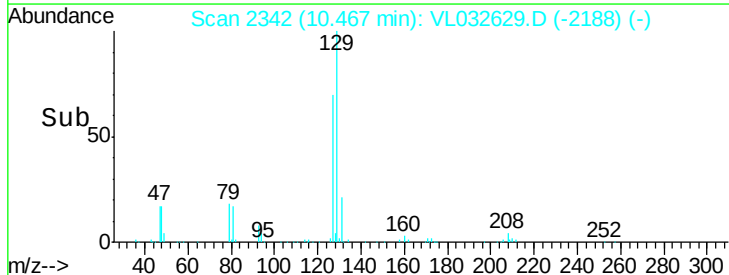
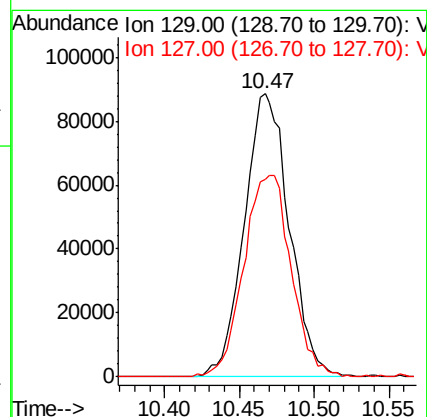
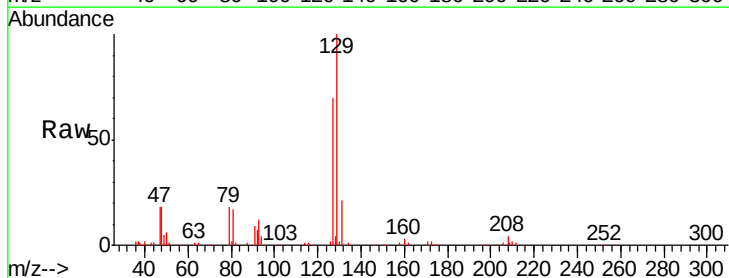
Manual Integrations
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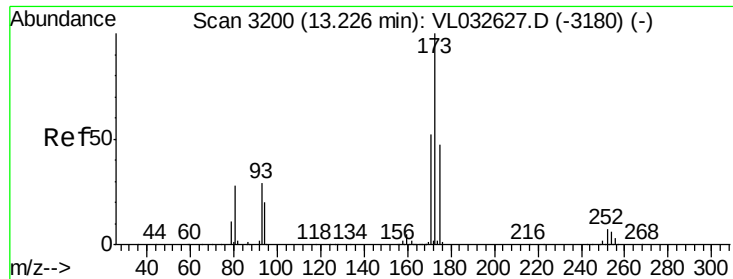
MMDadoda
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#48
 Dibromochloromethane
 Concen: 1.04 ppbv
 RT: 10.47 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	39.1	117.5





#49

Bromoform

Concen: 1.00 ppbv

RT: 13.22 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

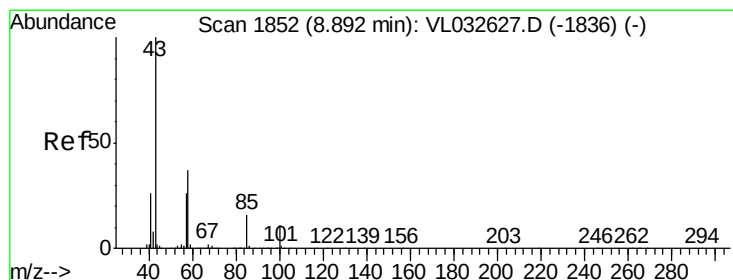
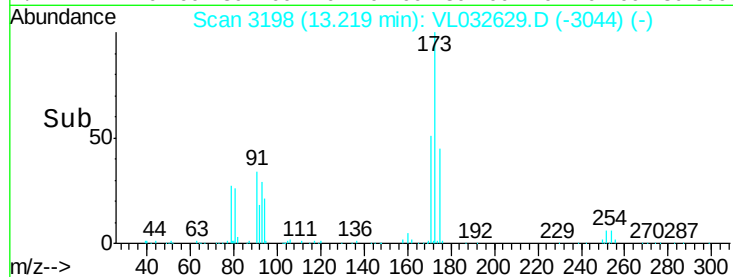
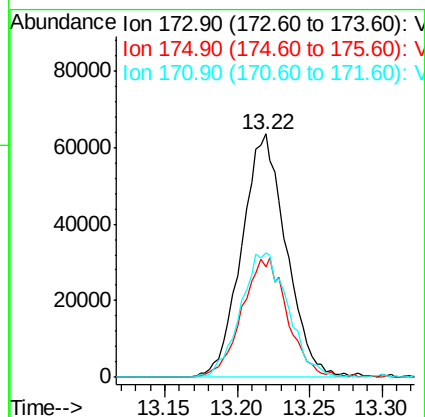
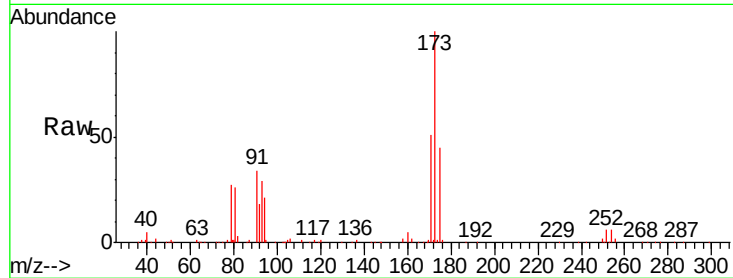
ClientSampleId :

VSTDIC001

Tgt Ion:	173	Resp:	135831
Ion Ratio	Lower	Upper	
173	100		
175	50.2	39.0	58.4
171	54.5	42.2	63.2

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#50

4-Methyl-2-Pentanone

Concen: 1.00 ppbv

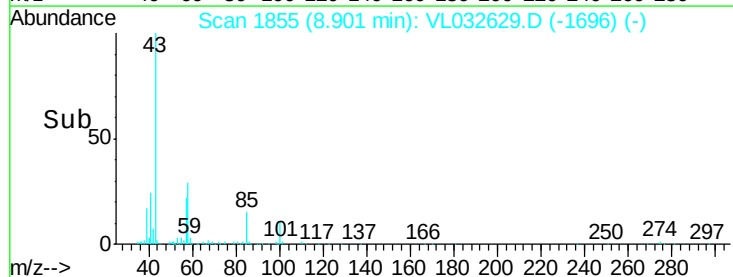
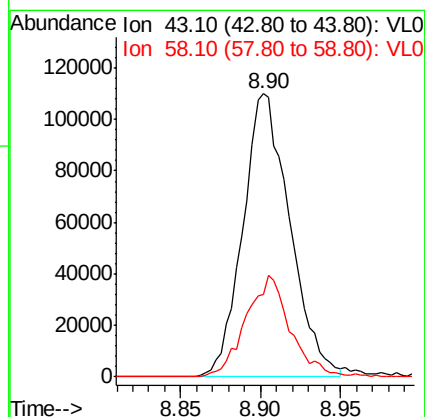
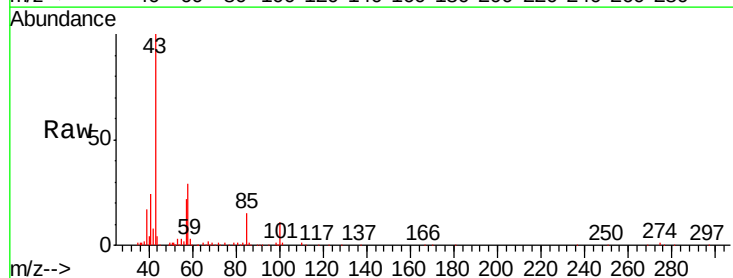
RT: 8.90 min Scan# 1855

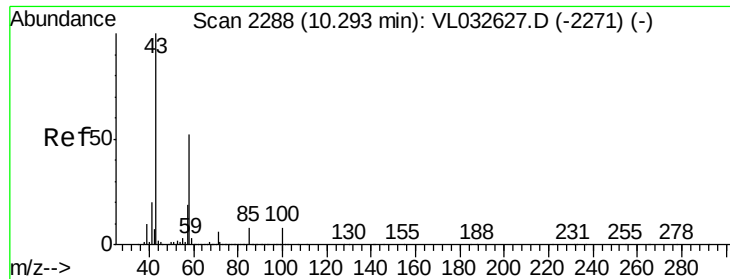
Delta R.T. 0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Tgt Ion:	43	Resp:	220857
Ion Ratio	Lower	Upper	
43	100		
58	34.1	29.7	44.5





#51

2-Hexanone

Concen: 0.89 ppbv

RT: 10.31 min Scan# 2294

Delta R.T. 0.02 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

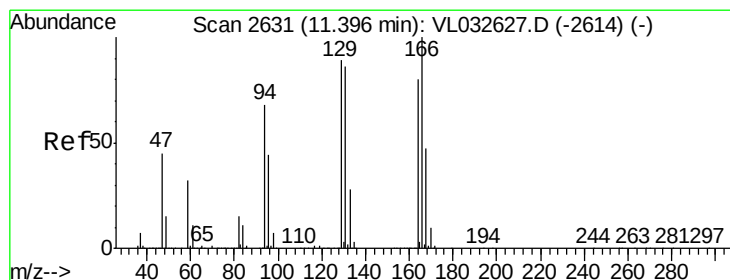
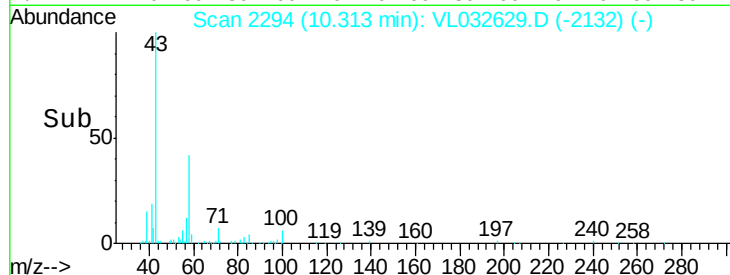
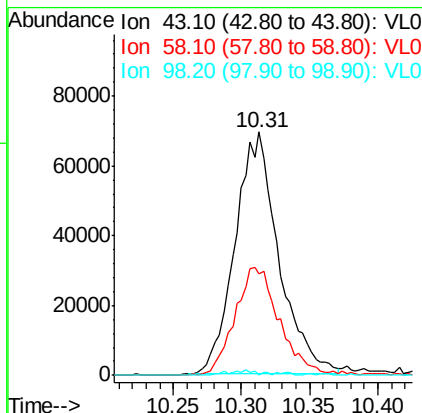
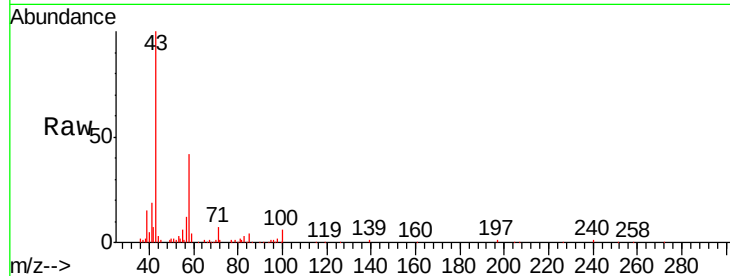
ClientSampleId :

VSTDIC001

Tgt Ion:	43	Resp:	153559
Ion Ratio	Lower	Upper	
43	100		
58	46.2	40.4	60.6
98	1.8	0.4	0.6#

Manual Integrations
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#52

Tetrachloroethene

Concen: 1.02 ppbv m

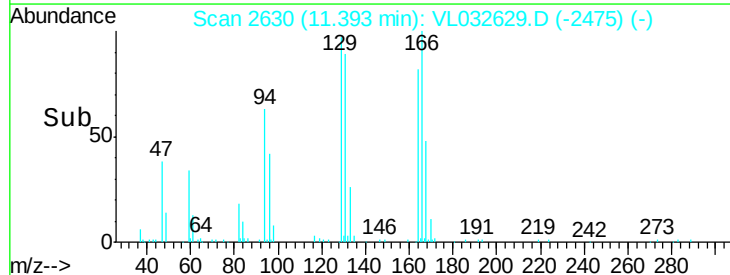
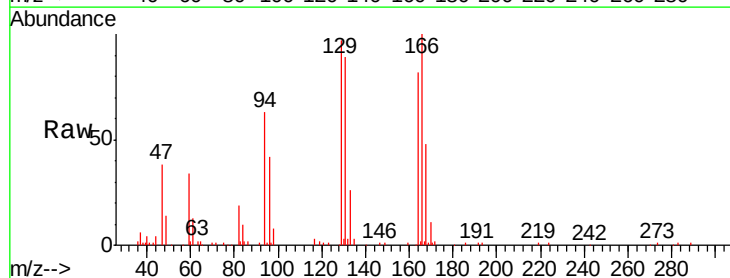
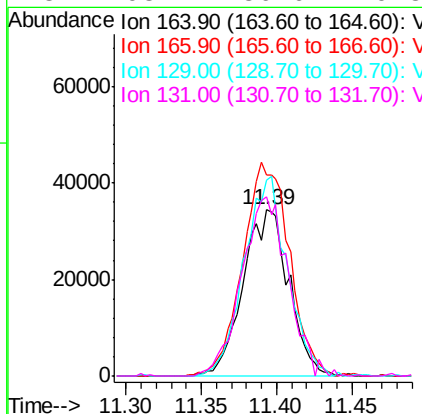
RT: 11.39 min Scan# 2630

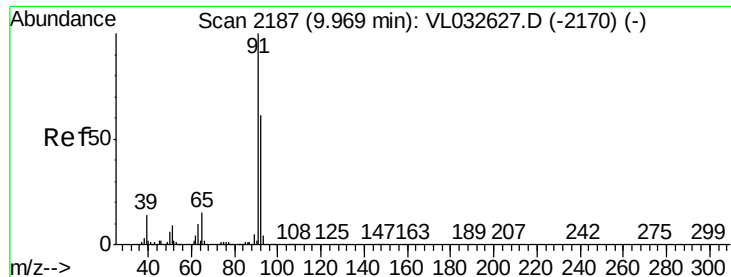
Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Tgt Ion:	164	Resp:	72884
Ion Ratio	Lower	Upper	
164	100		
166	121.3	100.5	150.7
129	118.1	90.0	135.0
131	108.2	86.6	129.8





#53

Toluene

Concen: 0.90 ppbv

RT: 9.97 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 226287

Ion Ratio Lower Upper

91 100

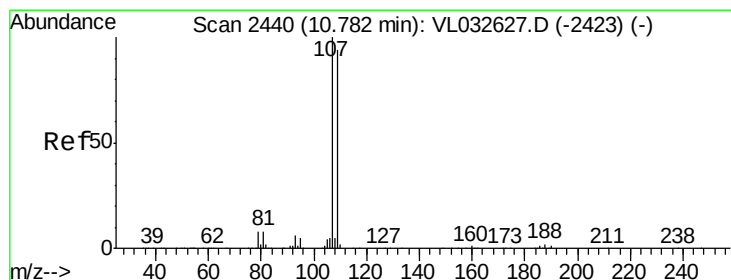
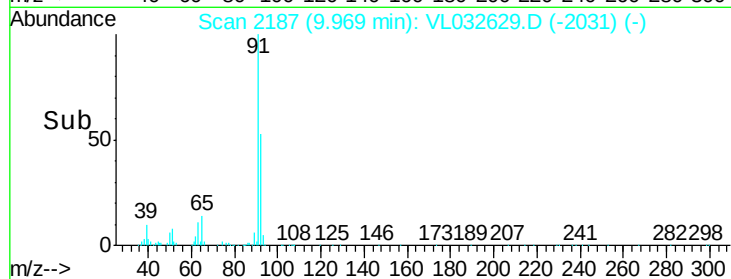
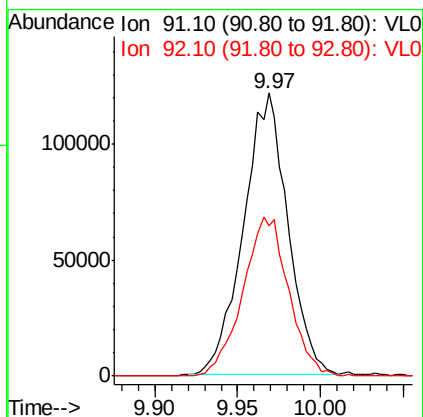
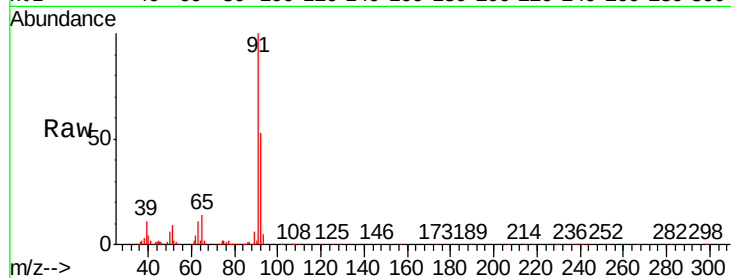
92 58.5 48.4 72.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 1.03 ppbv

RT: 10.78 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL032629.D

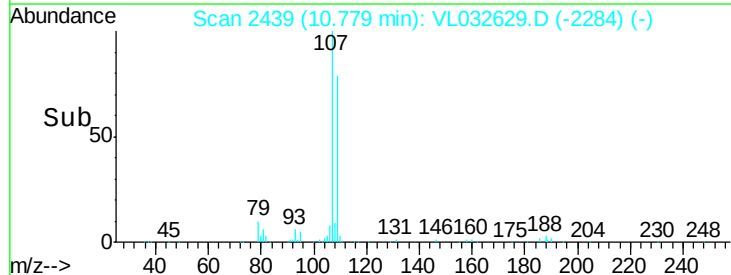
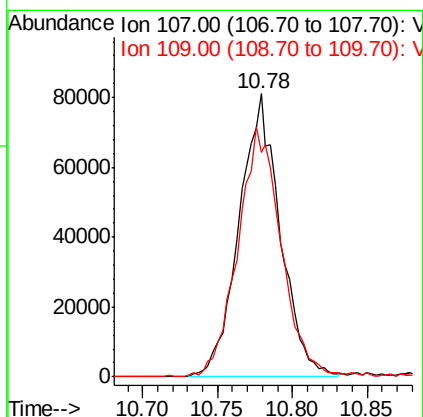
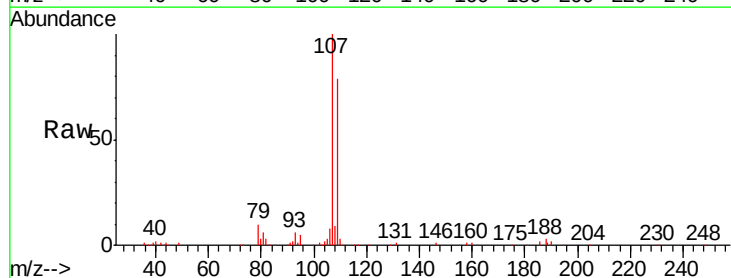
Acq: 17 Oct 2018 4:04

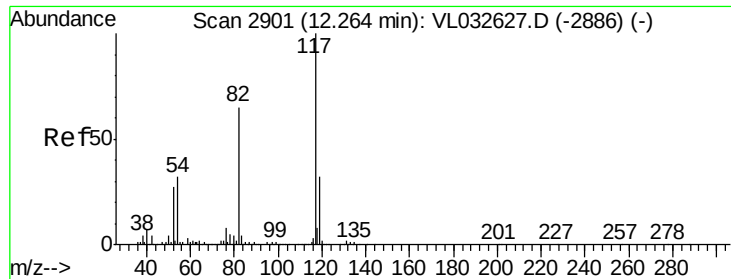
Tgt Ion: 107 Resp: 154253

Ion Ratio Lower Upper

107 100

109 78.6 75.3 112.9





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.26 min Scan# 2900

Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 2683841

Ion Ratio Lower Upper

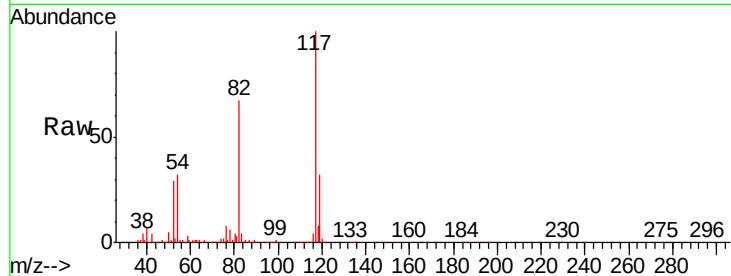
117 100

82 66.1 52.7 79.1

119 34.7 26.7 40.1

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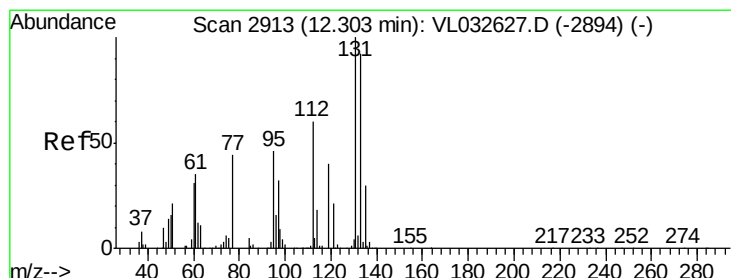
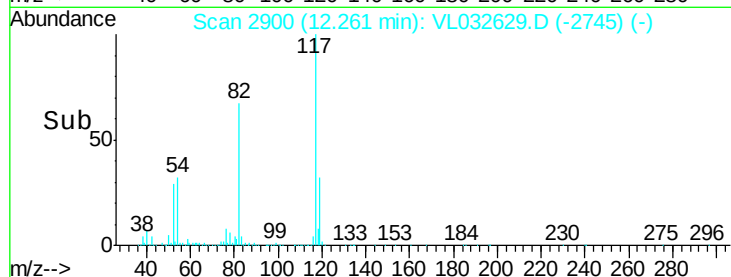
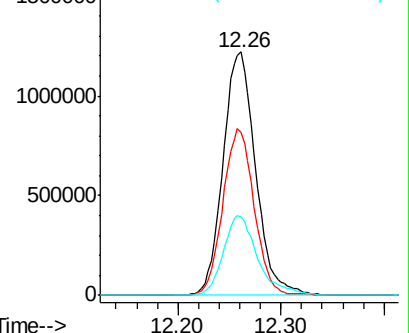
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 1.10 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

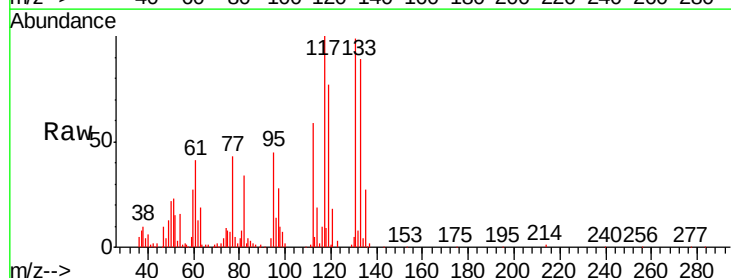
Tgt Ion:131 Resp: 133490

Ion Ratio Lower Upper

131 100

133 96.9 75.4 113.2

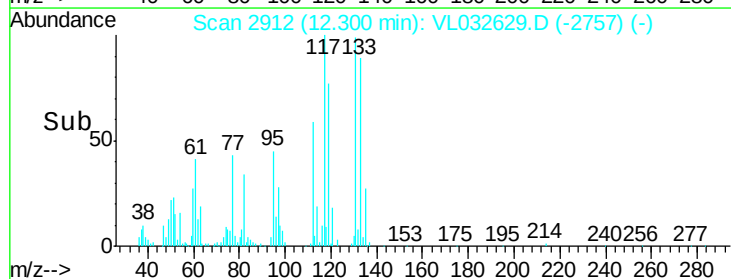
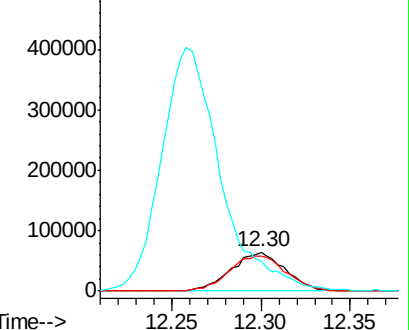
119 697.0 49.1 73.7#

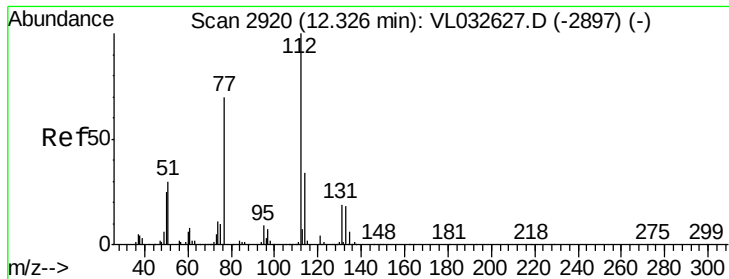


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 1.13 ppbv m

RT: 12.32 min Scan# 2918

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 112 Resp: 229512
Ion Ratio Lower Upper

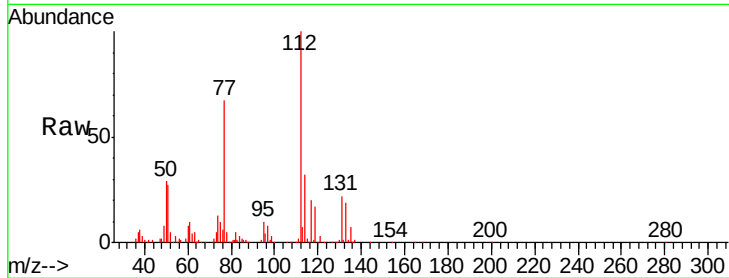
112 100

77 67.3 56.8 85.2

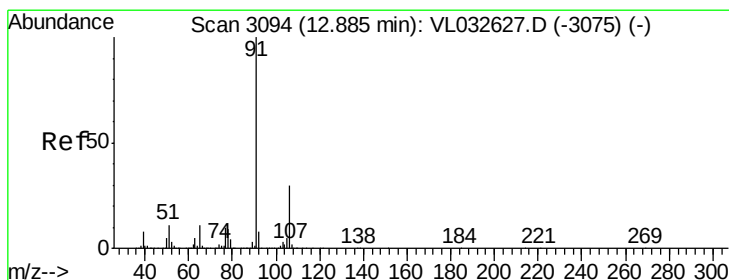
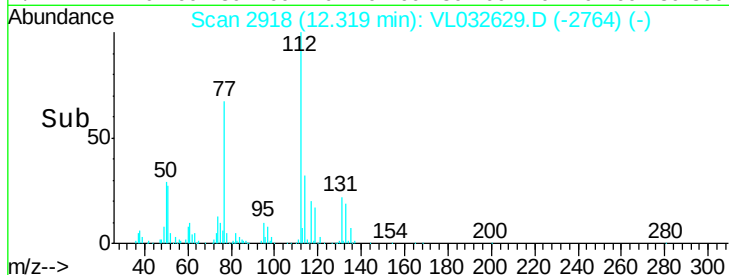
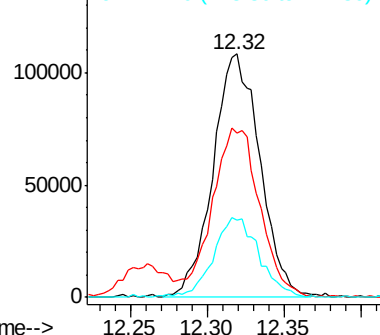
114 31.6 30.3 37.1

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Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.99 ppbv

RT: 12.89 min Scan# 3094

Delta R.T. 0.00 min

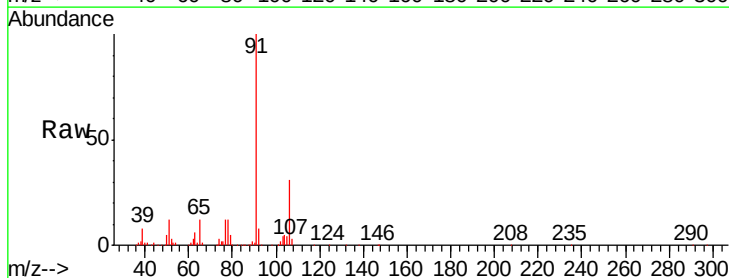
Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

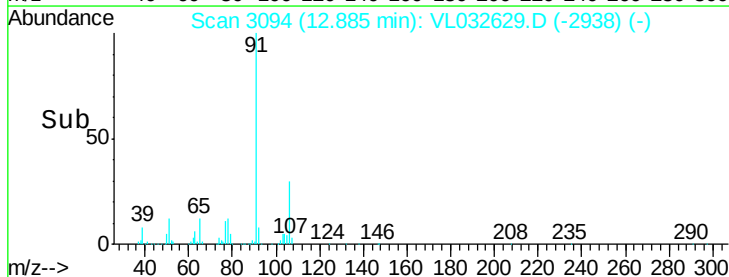
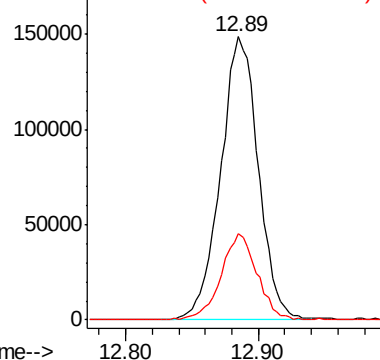
Tgt Ion: 91 Resp: 293260
Ion Ratio Lower Upper

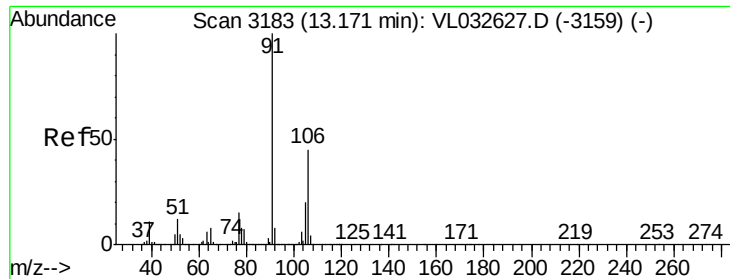
91 100

106 30.3 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





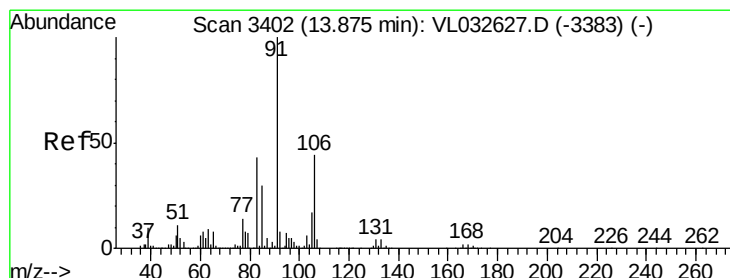
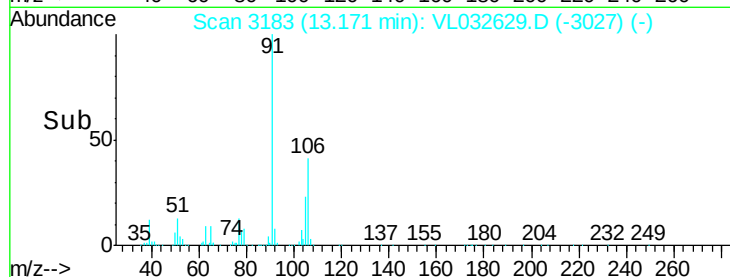
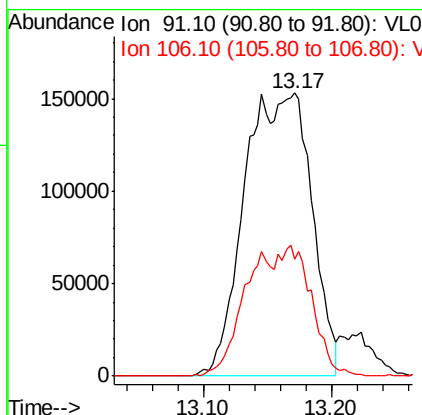
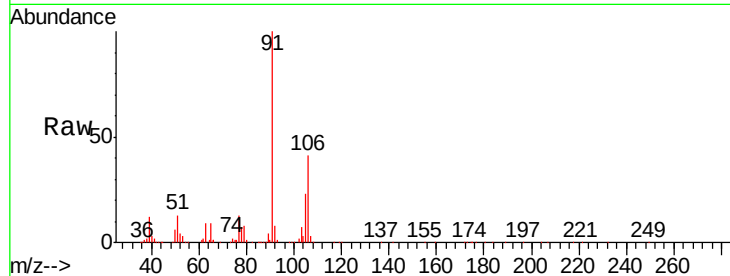
#59
m/p-Xylene
Concen: 2.08 ppbv m
RT: 13.17 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 557108
Ion Ratio Lower Upper
91 100
106 44.1 35.9 53.9

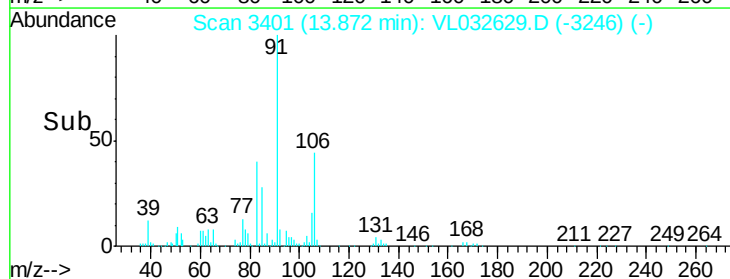
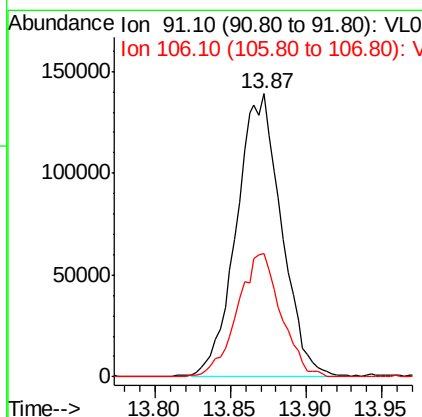
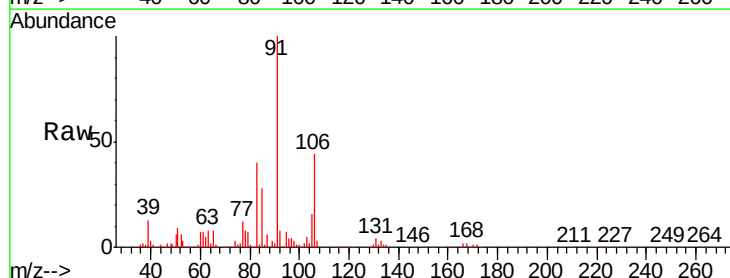
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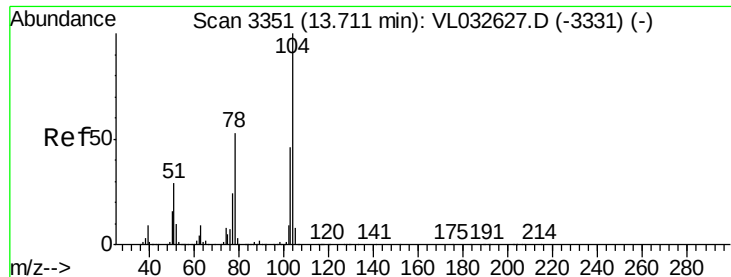
MMDadoda
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#60
o-Xylene
Concen: 1.09 ppbv m
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion: 91 Resp: 287119
Ion Ratio Lower Upper
91 100
106 42.4 22.1 66.1





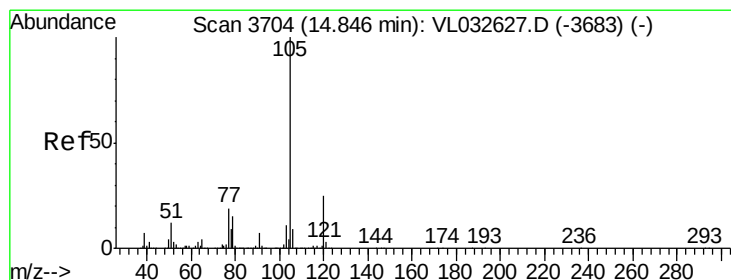
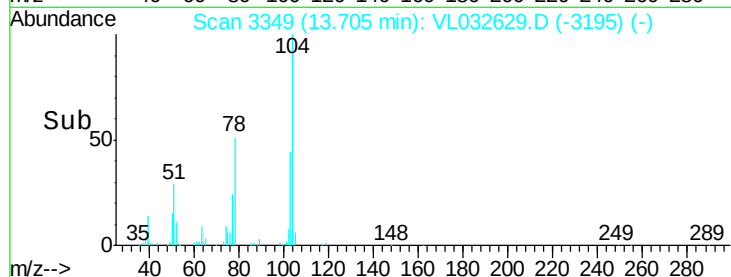
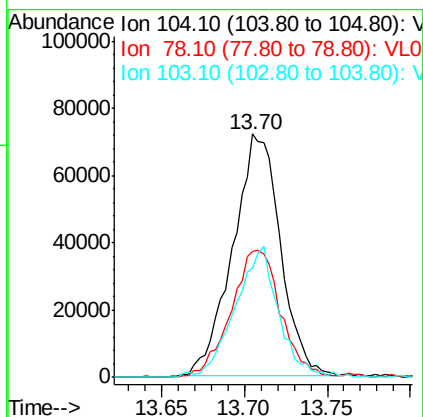
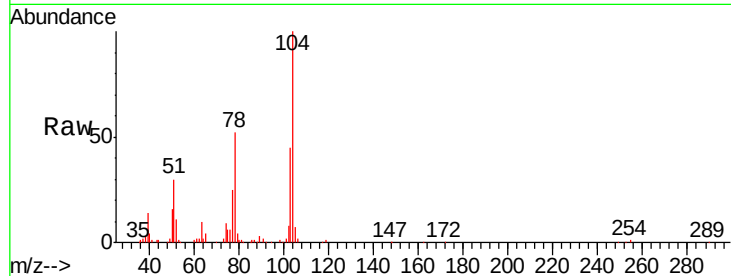
#61
Styrene
Concen: 0.88 ppbv
RT: 13.70 min Scan# 3349
Delta R.T. -0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	143111		
78	56.0	42.8	64.2	
103	49.8	37.4	56.0	

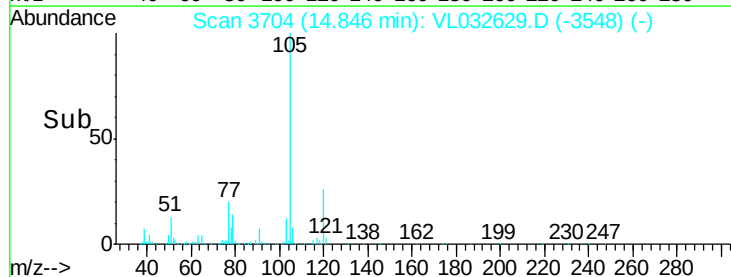
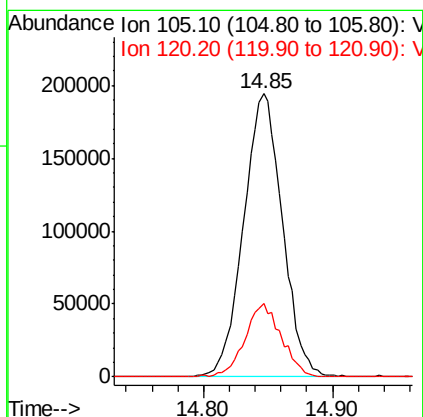
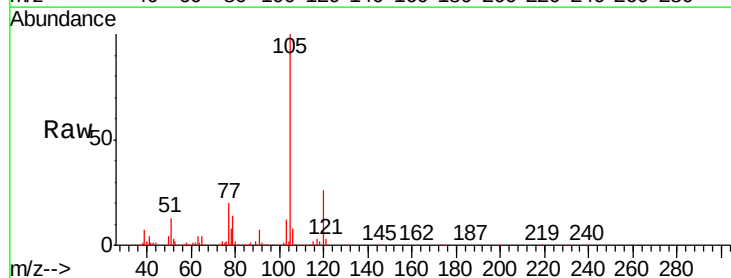
Manual Integrations
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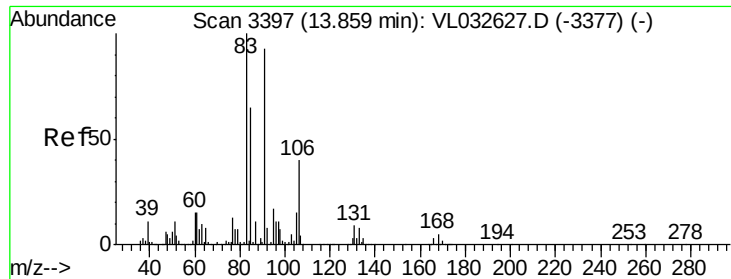
MMDadoda
10/19/2018 4:36:24 PM



#62
Isopropylbenzene
Concen: 1.08 ppbv
RT: 14.85 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	405511		
120	24.5	20.5	30.7	





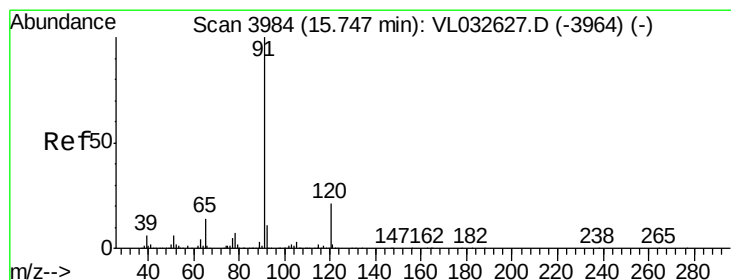
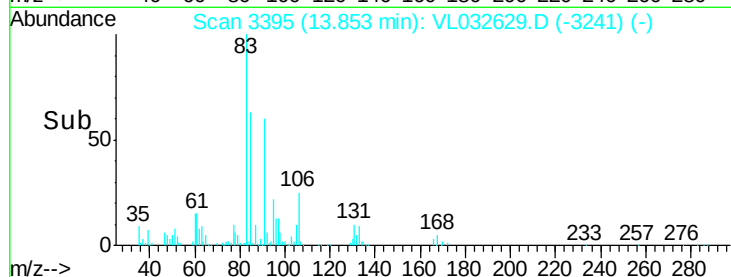
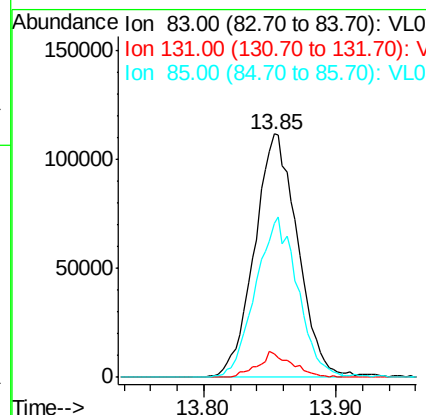
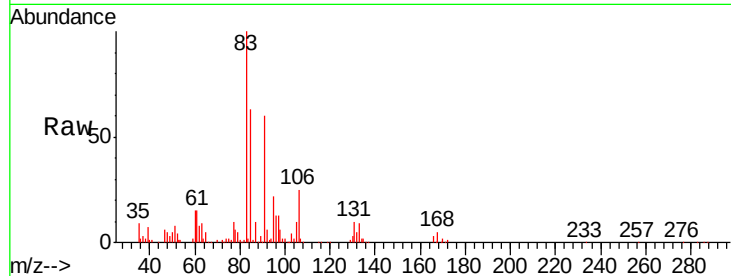
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.10 ppbv
 RT: 13.85 min Scan# 3395
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.9
85	65.2	32.3	96.9

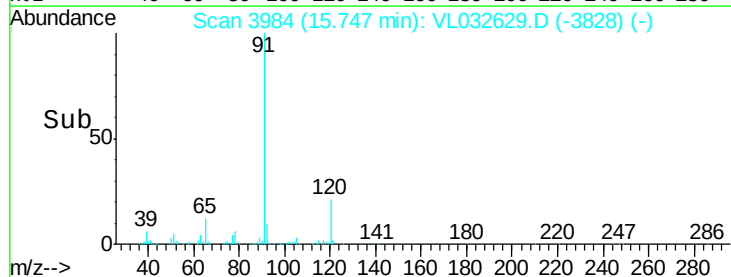
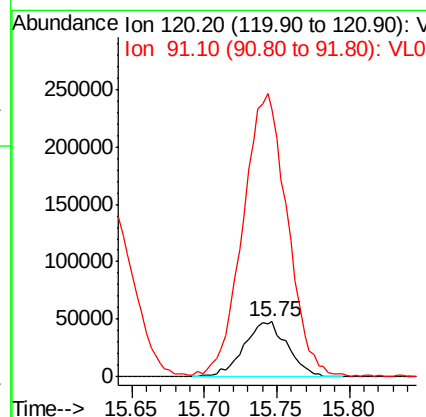
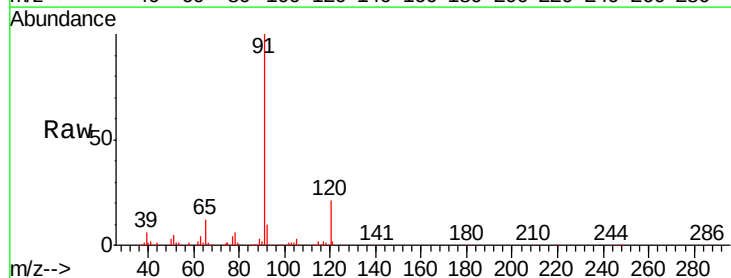
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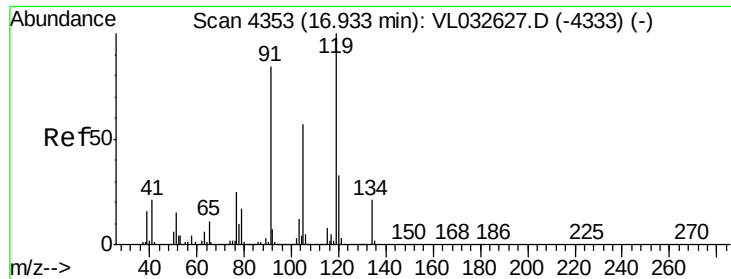
MMDadoda
 10/19/2018 4:36:24 PM



#64
 n-propylbenzene
 Concen: 1.07 ppbv
 RT: 15.75 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
120	100		
91	520.6	390.2	585.2





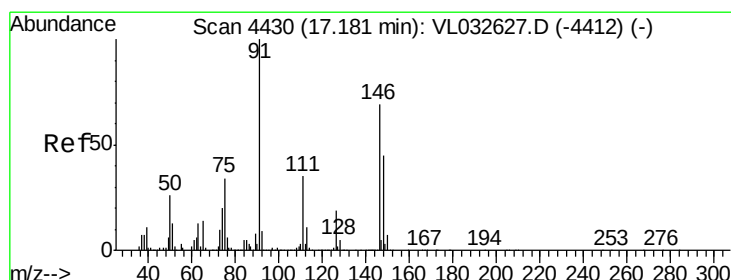
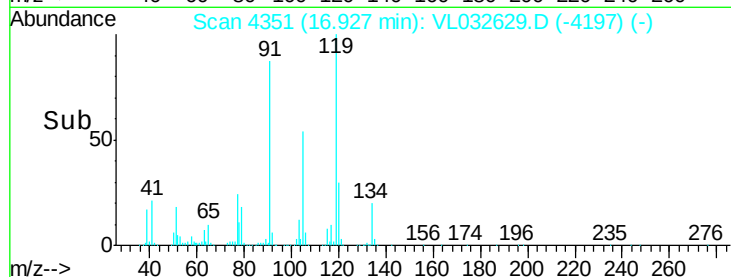
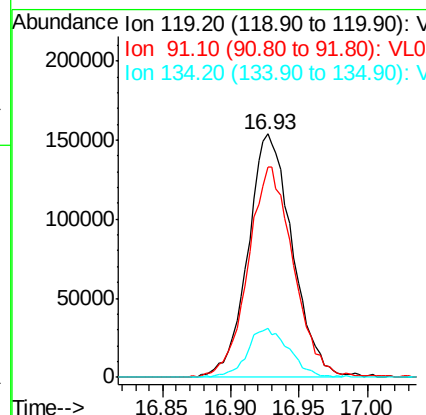
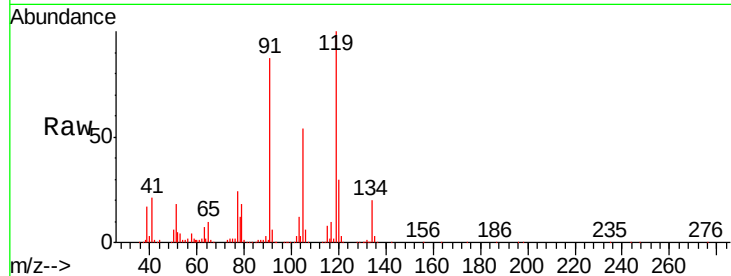
#65
 tert-Butylbenzene
 Concen: 1.09 ppbv
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
91	89.0	67.8	101.8
134	19.0	15.8	23.8

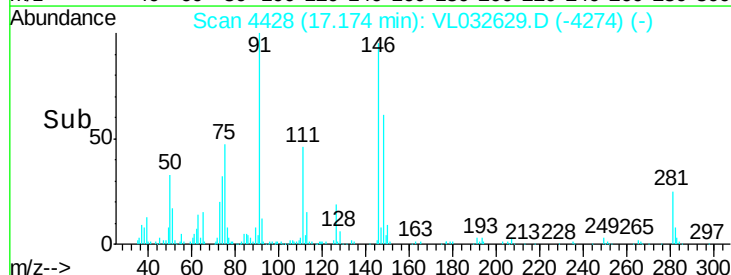
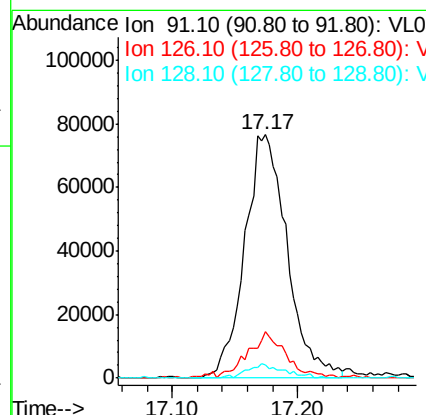
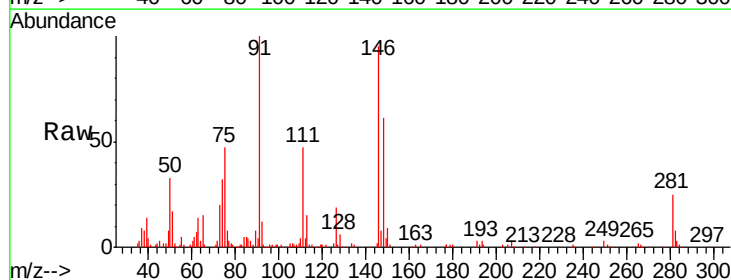
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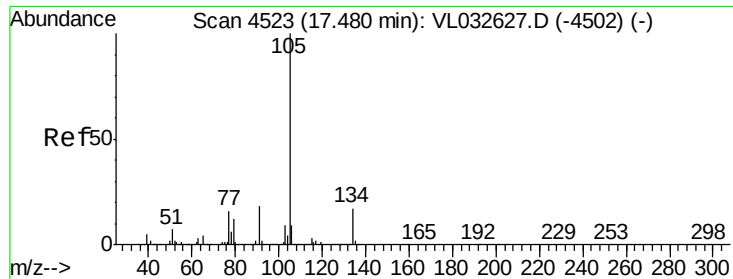
MMDadoda
 10/19/2018 4:36:24 PM



#66
 Benzyl Chloride
 Concen: 1.03 ppbv
 RT: 17.17 min Scan# 4428
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.0	13.9	20.9
128	5.0	4.3	6.5





#67

sec-Butylbenzene

Concen: 1.11 ppbv

RT: 17.48 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 105 Resp: 526657

Ion Ratio Lower Upper

105 100

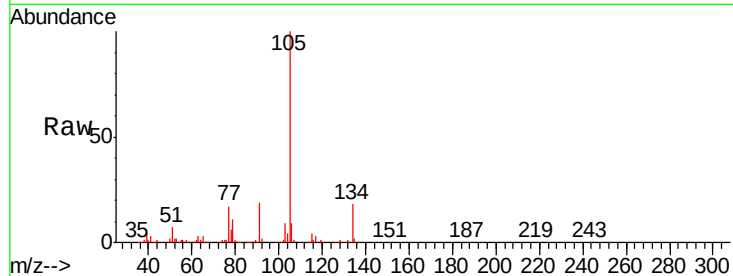
134 16.8 14.2 21.2

Manual Integrations

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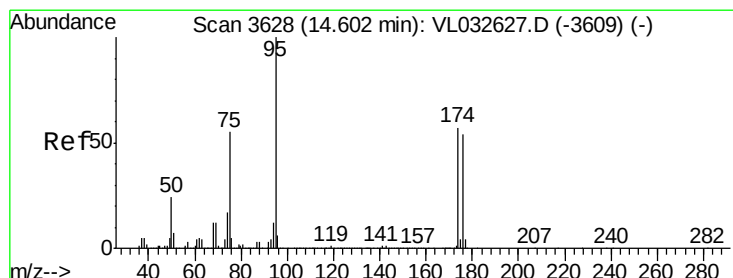
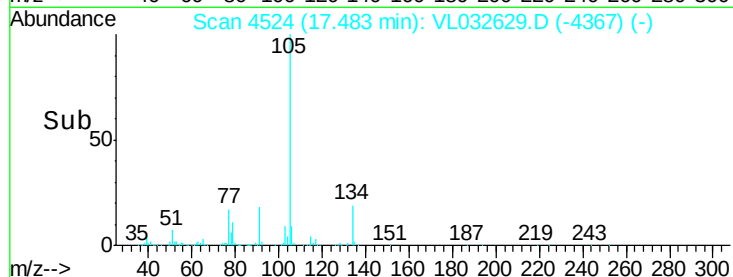
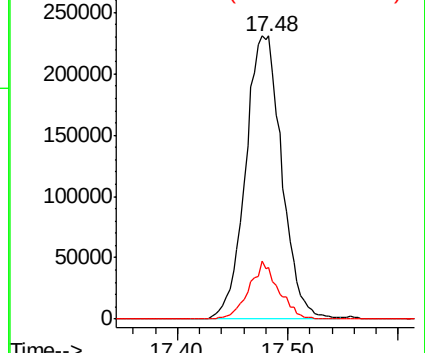
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.27 ppbv

RT: 14.60 min Scan# 3626

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

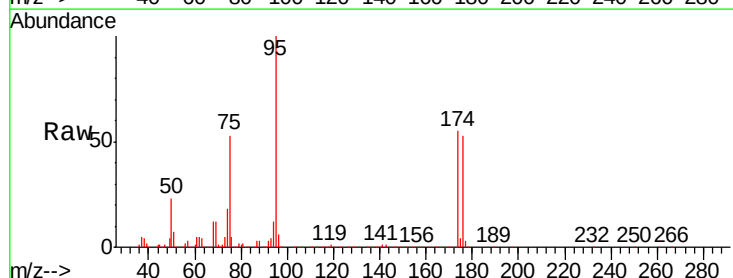
Tgt Ion: 95 Resp: 2085004

Ion Ratio Lower Upper

95 100

174 58.5 46.0 69.0

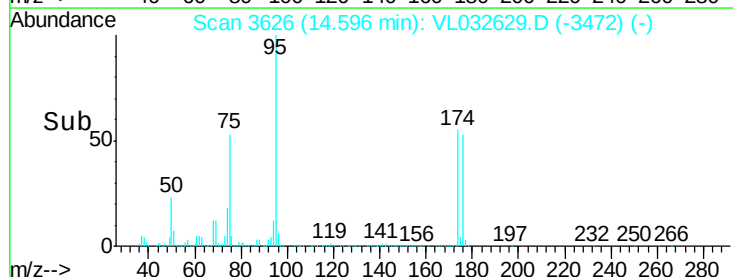
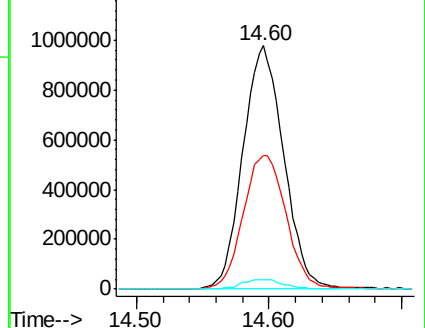
175 4.1 3.4 5.0

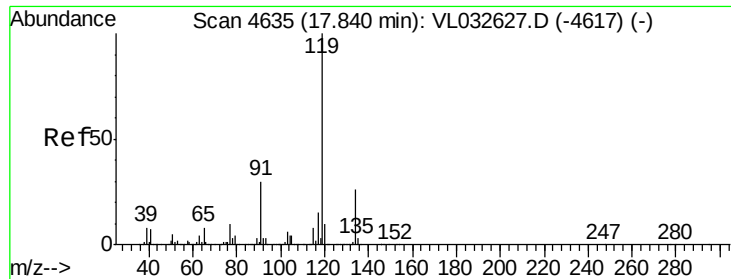


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





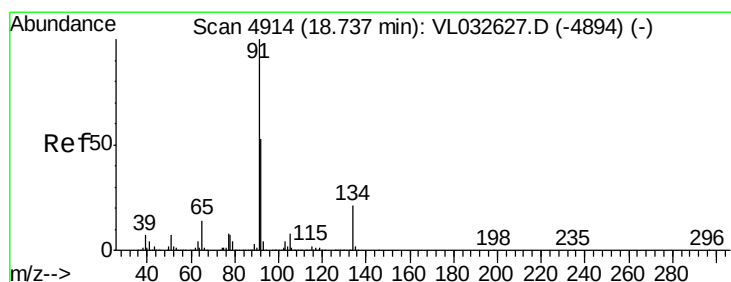
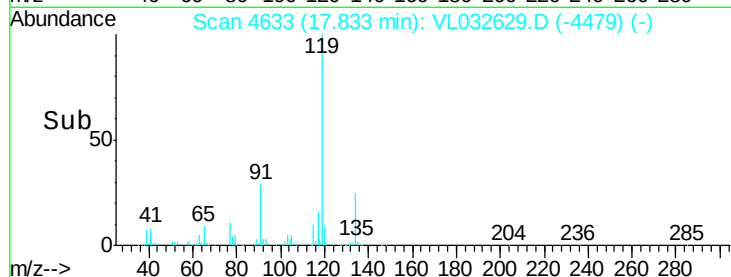
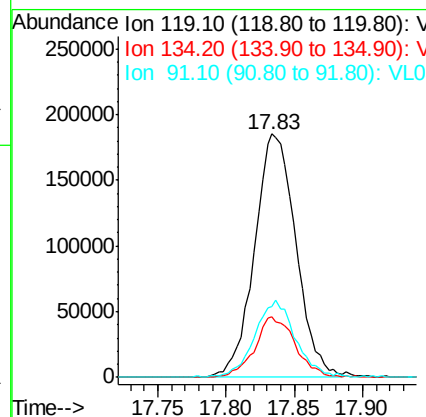
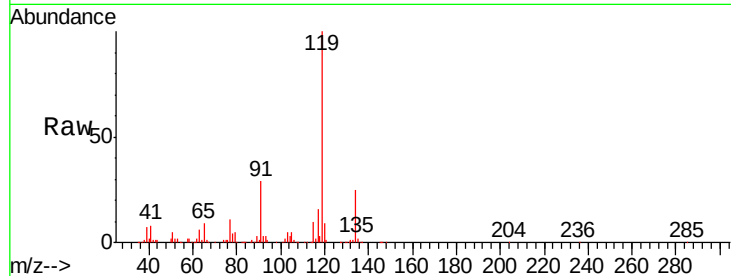
#69
p-Isopropyltoluene
Concen: 1.07 ppbv
RT: 17.83 min Scan# 4633
Delta R.T. -0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.2	30.2
91	31.6	24.0	36.0

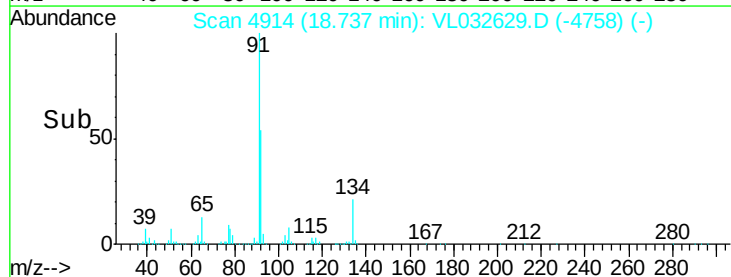
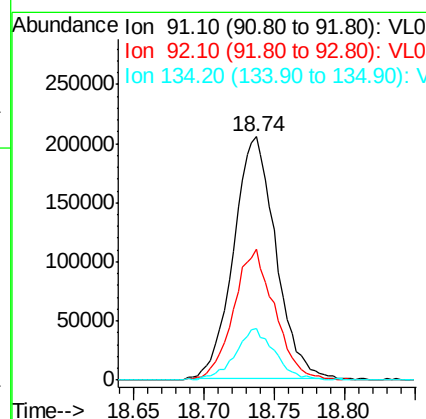
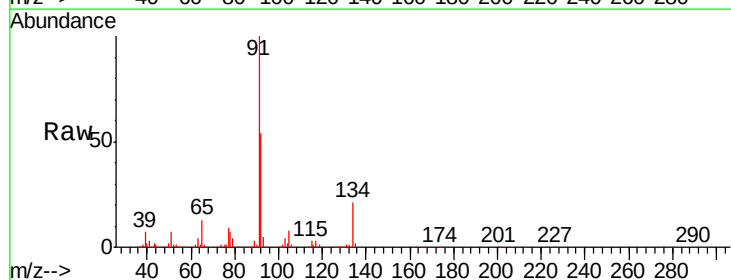
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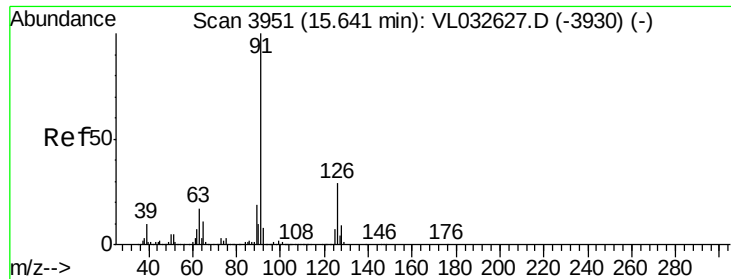
MMDadoda
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#70
n-Butylbenzene
Concen: 1.08 ppbv
RT: 18.74 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	43.0	64.4
134	20.2	17.0	25.6





#71

2-Chlorotoluene

Concen: 1.03 ppbv

RT: 15.64 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 284795

Ion Ratio Lower Upper

91 100

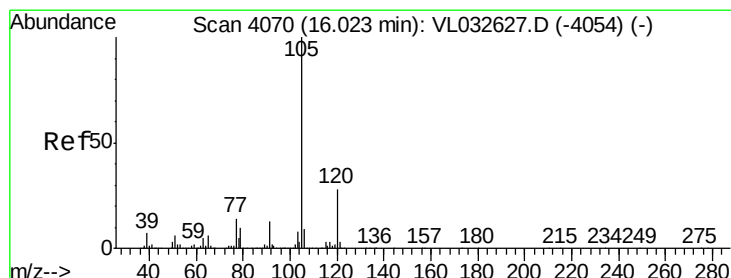
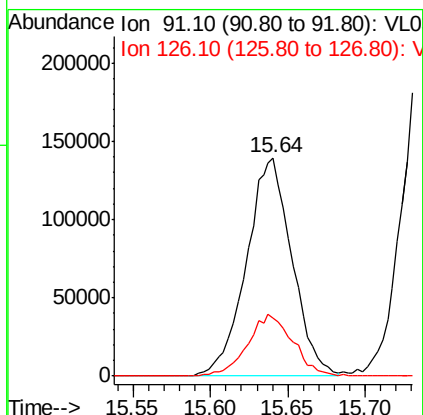
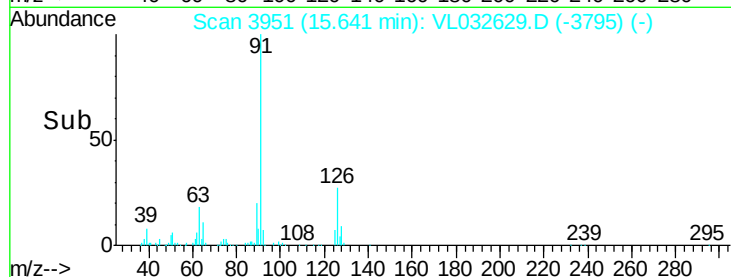
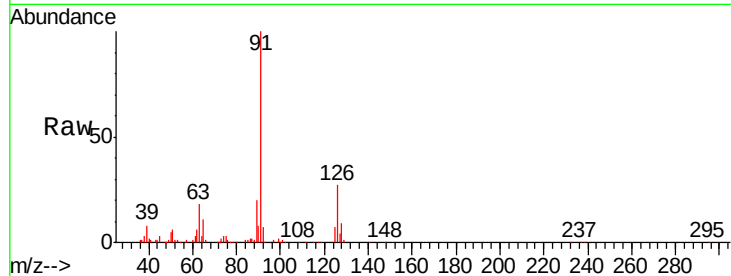
126 28.4 11.8 47.4

Manual Integrations

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#72

4-Ethyltoluene

Concen: 1.02 ppbv

RT: 16.02 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Tgt Ion: 105 Resp: 292185

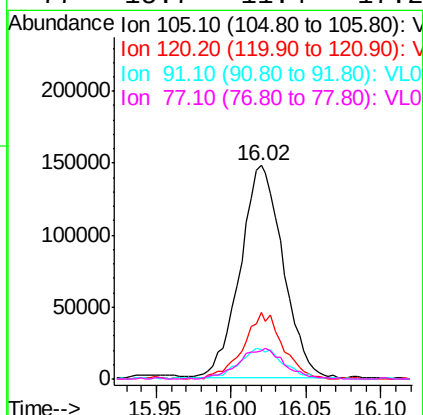
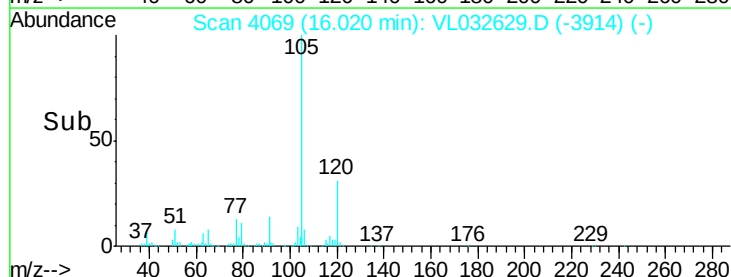
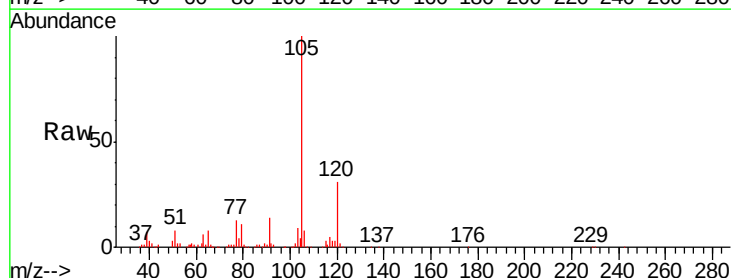
Ion Ratio Lower Upper

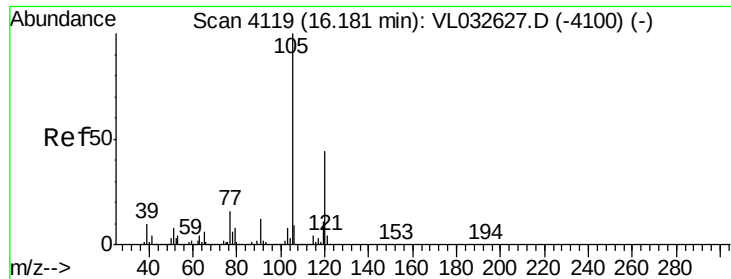
105 100

120 29.1 23.7 35.5

91 16.4 10.4 15.6#

77 15.7 11.4 17.2





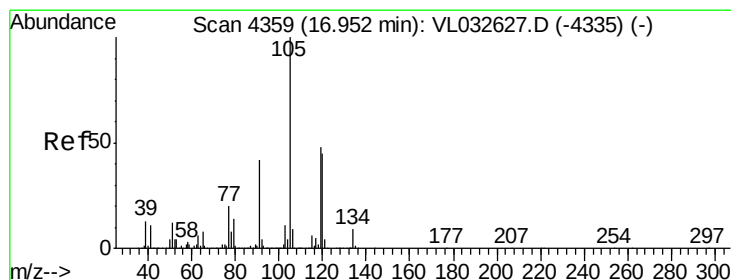
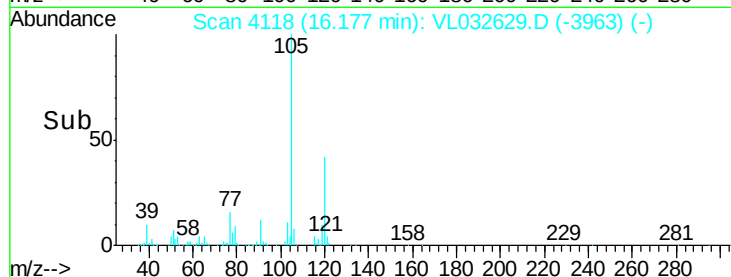
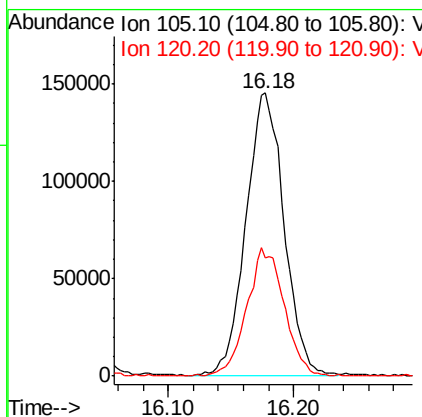
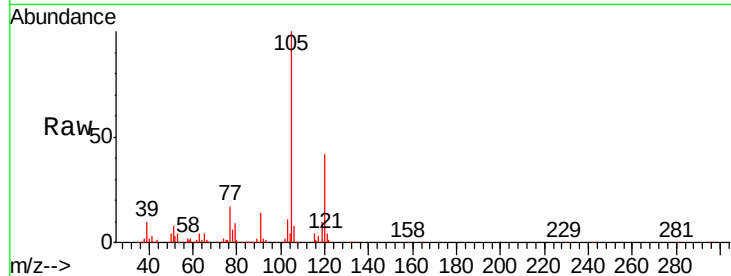
#73
 1,3,5-Trimethylbenzene
 Concen: 1.07 ppbv
 RT: 16.18 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.6	35.4	53.2

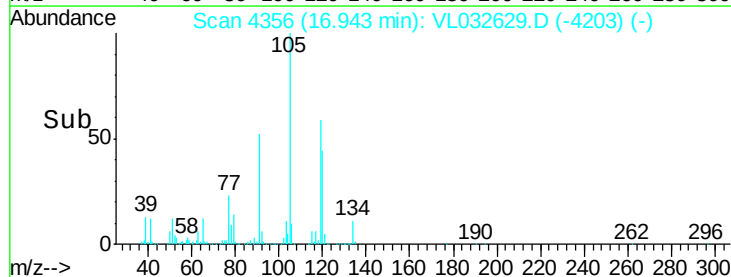
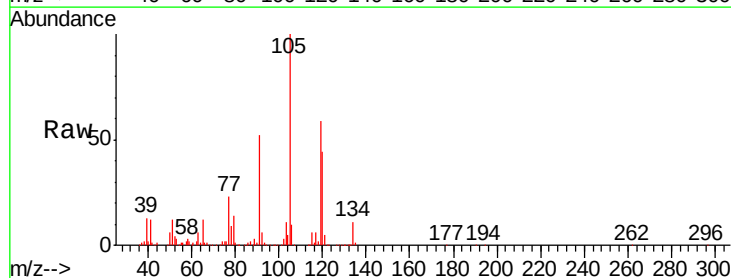
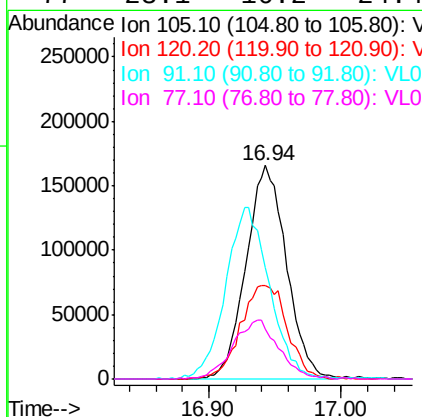
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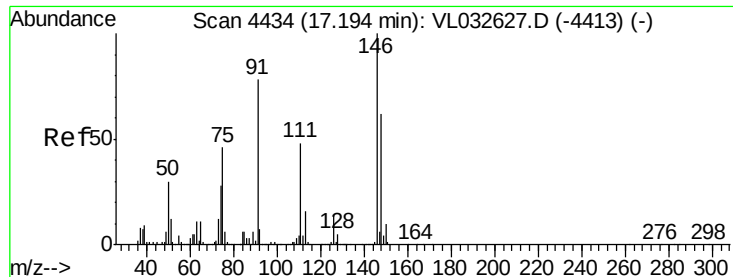
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#74
 1,2,4-Trimethylbenzene
 Concen: 1.12 ppbv
 RT: 16.94 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	35.8	53.8
91	51.3	33.2	49.8
77	23.1	16.2	24.4





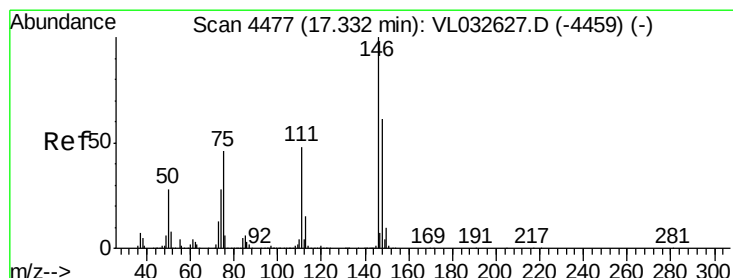
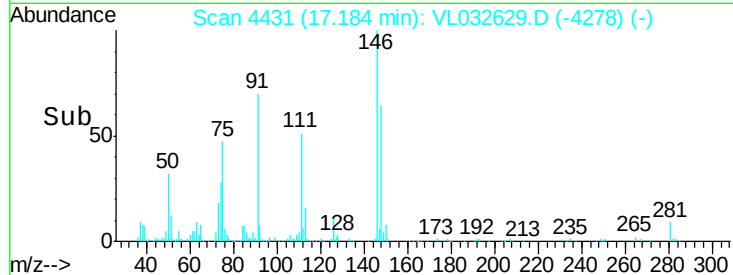
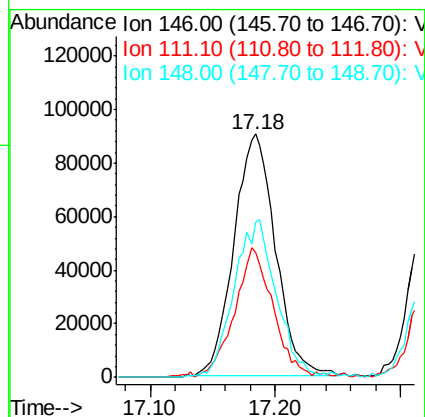
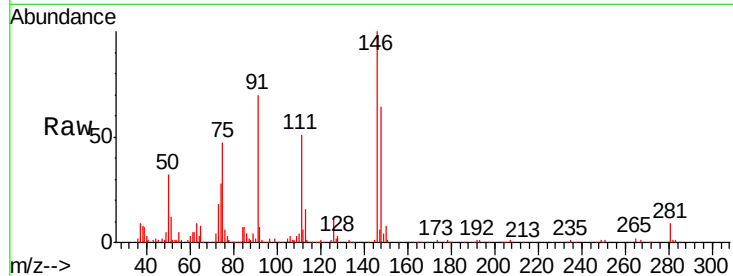
#75
 1,3-Dichlorobenzene
 Concen: 1.15 ppbv
 RT: 17.18 min Scan# 4431
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.5	24.4	73.2
148	66.9	31.9	95.9

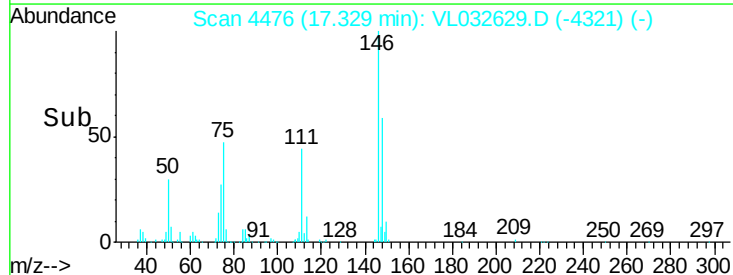
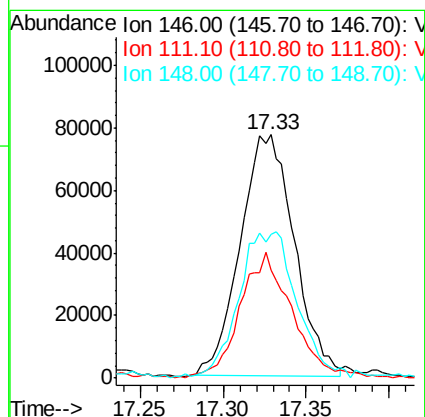
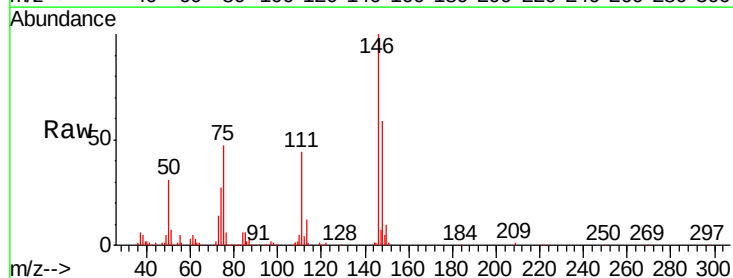
Manual Integrations
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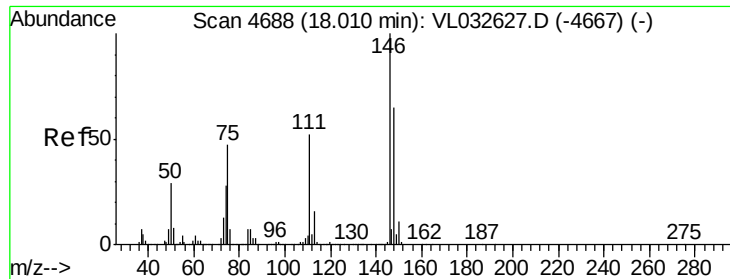
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 1.06 ppbv
 RT: 17.33 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.7	23.7	71.1
148	65.7	32.1	96.3





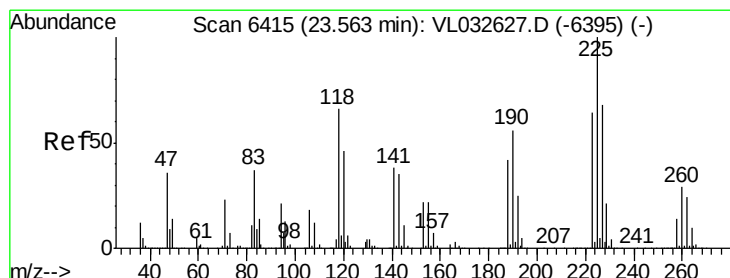
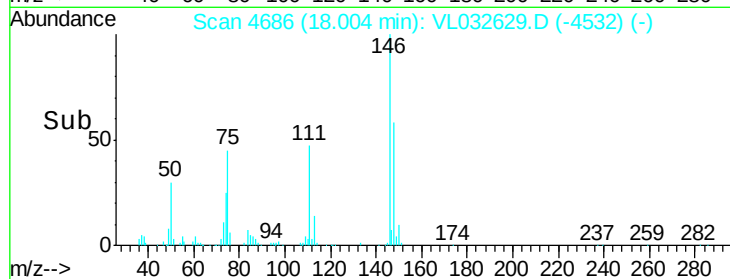
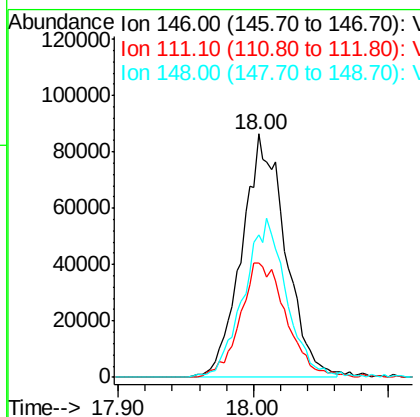
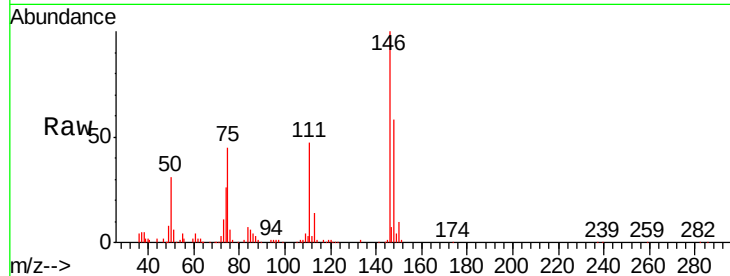
#77
 1,2-Dichlorobenzene
 Concen: 1.14 ppbv m
 RT: 18.00 min Scan# 4686
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.2	25.3	75.8
148	0.0	31.9	95.9#

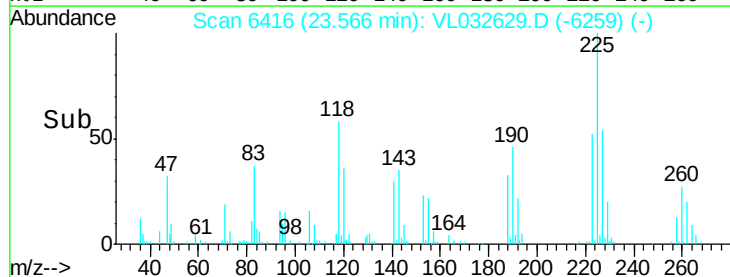
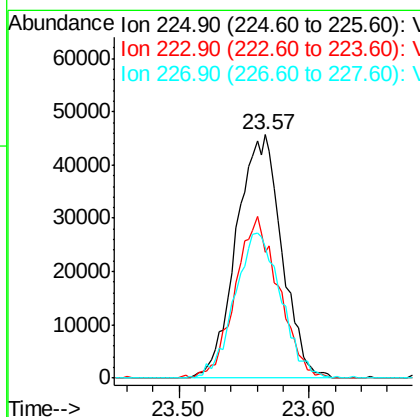
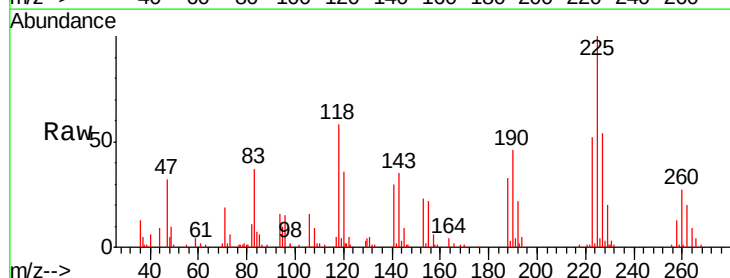
Manual Integrations
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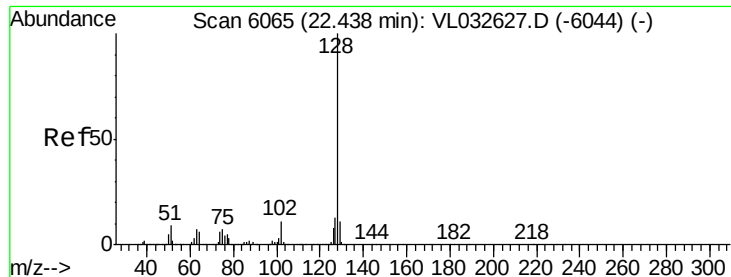
MMDadoda
 10/19/2018 4:36:24 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.33 ppbv m
 RT: 23.57 min Scan# 6416
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.7	76.1
227	60.7	50.7	76.1





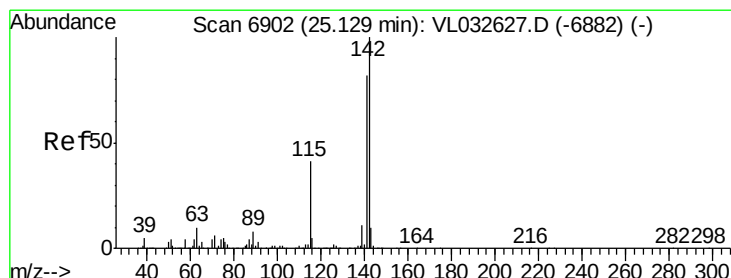
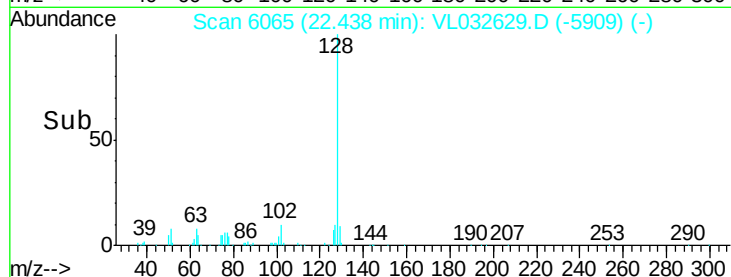
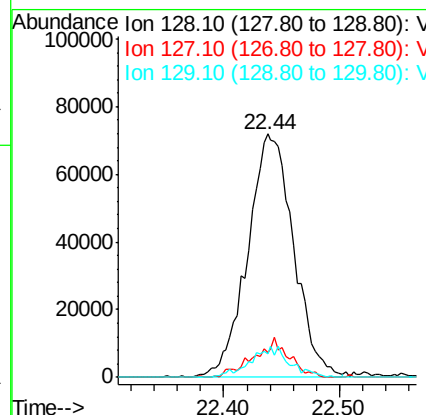
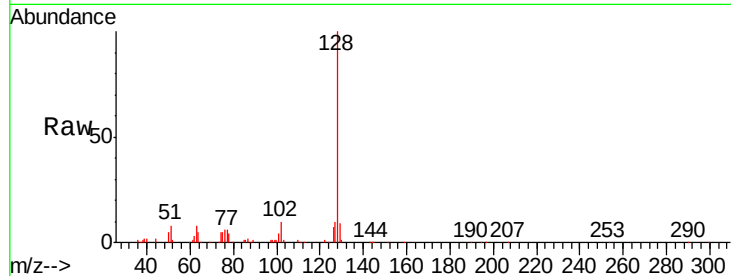
#79
Naphthalene
Concen: 0.94 ppbv
RT: 22.44 min Scan# 6065
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.2	10.3	15.5#
129	9.4	8.6	13.0

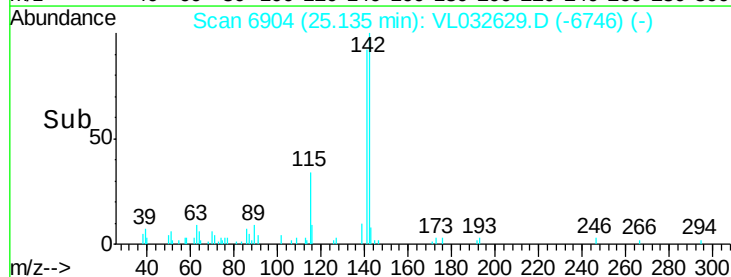
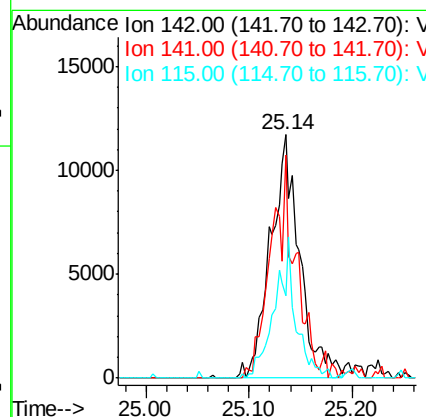
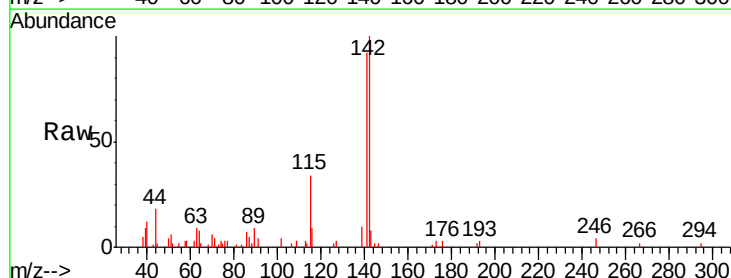
Manual Integrations
APPROVED

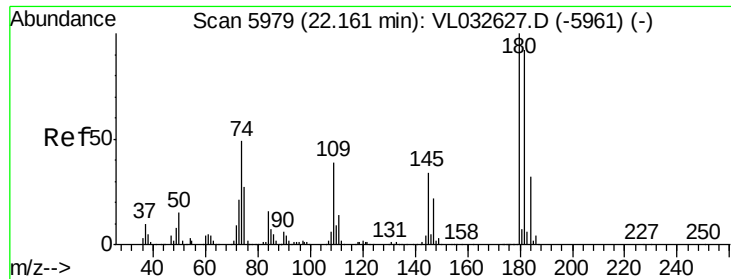
MMDadoda
10/19/2018 4:36:24 PM



#80
Naphthalene, 2-methyl-
Concen: 0.56 ppbv
RT: 25.14 min Scan# 6904
Delta R.T. 0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.5	67.5	101.3
115	41.6	33.5	50.3





#81
 1,2,4-Trichlorobenzene
 Concen: 1.01 ppbv m
 RT: 22.16 min Scan# 5979
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.5	114.7
184	0.0	24.7	37.1#

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:36:24 PM

