

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032634.D
 Acq On : 17 Oct 2018 7:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:36:31 PM

Quant Time: Oct 17 16:28:52 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 16:28:52 2018
 QLast Update : Wed Oct 17 08:55:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1235852	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2908209	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2964594	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2264330	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	1011244	11.15	ppbv	98
3) Chlorodifluoromethane	3.03	51	1036202	10.02	ppbv	100
4) Chloromethane	3.18	50	585207	10.37	ppbv	99
5) Vinyl Chloride	3.31	62	594126	10.45	ppbv	99
6) Bromomethane	3.53	94	354083	9.86	ppbv	91
7) Chloroethane	3.62	64	224343	10.08	ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	1357259	9.74	ppbv	99
9) Propene	3.05	41	438601	11.57	ppbv	99
10) Heptane	8.27	43	1613772	11.37	ppbv	99
11) Trichlorofluoromethane	4.02	101	1540274	9.70	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1074175	9.24	ppbv	100
13) Ethanol	3.67	45	114634	9.77	ppbv	96
14) Bromoethene	3.80	108	431959	10.16	ppbv	98
15) Acetone	3.92	43	1005963	9.15	ppbv	99
16) 1,3-Butadiene	3.38	39	420153	10.32	ppbv	97
17) tert-Butyl alcohol	4.38	59	104917	10.45	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	515657	9.84	ppbv	99
19) Isopropyl Alcohol	4.04	45	850506	10.95	ppbv #	98
20) Methylene Chloride	4.43	84	443700	9.01	ppbv	97
21) Allyl Chloride	4.49	41	869502	10.53	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	596038	9.84	ppbv	92
23) Vinyl Acetate	5.17	43	2022528	11.56	ppbv	99
24) 1,1-Dichloroethane	5.11	63	1623723	10.01	ppbv	99
25) Ethyl Acetate	5.79	43	2595251	9.97	ppbv	100
26) Hexane	5.80	57	1215232	10.37	ppbv	100
27) Carbon Disulfide	4.64	76	1381885	9.76	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	1682536	11.42	ppbv	99
29) Chloroform	5.87	83	2020535	9.84	ppbv	99
30) Cyclohexane	7.27	84	1062722	11.50	ppbv	99
31) cis-1,2-Dichloroethene	5.66	61	1272294	11.30	ppbv	96
32) 1,1,1-Trichloroethane	6.64	97	1979722	9.66	ppbv	99
34) 2-Butanone	5.35	43	1777344	11.01	ppbv	99
35) Carbon Tetrachloride	7.16	117	2069534	9.18	ppbv	98
36) Benzene	7.03	78	2568725	10.90	ppbv	98
37) 1,2-Dichloroethane	6.43	62	1590175	9.84	ppbv	99
38) Trichloroethene	7.98	130	946023	10.67	ppbv	98
39) 1,2-Dichloropropane	7.76	63	1000932	10.44	ppbv	99
40) 1,4-Dioxane	7.98	88	335705	10.13	ppbv #	91
41) Tetrahydrofuran	6.17	42	1006364	11.75	ppbv	100
42) Bromodichloromethane	7.94	83	2199688	9.98	ppbv	99
43) Methyl Methacrylate	8.16	69	1076452	11.78	ppbv	99

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Manual Integrations
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 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 08:55:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4478210	10.72	ppbv	100
45) t-1,3-Dichloropropene	9.44	75	1500099	12.55	ppbv	99
46) cis-1,3-Dichloropropene	8.86	75	1637478	12.04	ppbv	99
47) 1,1,2-Trichloroethane	9.64	97	1140352	9.95	ppbv	98
48) Dibromochloromethane	10.47	129	1982759	10.19	ppbv	99
49) Bromoform	13.23	173	1499965	10.20	ppbv	100
50) 4-Methyl-2-Pentanone	8.89	43	2594406	10.92	ppbv	99
51) 2-Hexanone	10.29	43	2280193	12.21	ppbv	99
52) Tetrachloroethene	11.40	164	823909	10.62	ppbv	100
53) Toluene	9.97	91	3202492	11.92	ppbv	99
54) 1,2-Dibromoethane	10.79	107	1772990	10.81	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.30	131	1292509	9.49	ppbv	99
57) Chlorobenzene	12.33	112	2219793	9.85	ppbv	100
58) Ethyl Benzene	12.89	91	3978231	11.95	ppbv	100
59) m/p-Xylene	13.18	91	6540859m	22.01	ppbv	
60) o-Xylene	13.87	91	3235802	10.93	ppbv	100
61) Styrene	13.71	104	2321702	12.94	ppbv	100
62) Isopropylbenzene	14.85	105	4533573	10.75	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2402560	9.19	ppbv	99
64) n-propylbenzene	15.74	120	1165494	10.90	ppbv	99
65) tert-Butylbenzene	16.93	119	3845191	10.74	ppbv	100
66) Benzyl Chloride	17.18	91	2302791	11.41	ppbv	99
67) sec-Butylbenzene	17.48	105	5707625	10.59	ppbv	100
69) p-Isopropyltoluene	17.84	119	4531823	11.11	ppbv	100
70) n-Butylbenzene	18.74	91	4909321	10.93	ppbv	100
71) 2-Chlorotoluene	15.64	91	3569363	11.44	ppbv	99
72) 4-Ethyltoluene	16.02	105	3725408	11.64	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	3540712	11.12	ppbv	98
74) 1,2,4-Trimethylbenzene	16.95	105	3580097	10.21	ppbv	92
75) 1,3-Dichlorobenzene	17.19	146	1962981	9.63	ppbv	100
76) 1,4-Dichlorobenzene	17.33	146	1928383	10.39	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	1960654	10.01	ppbv	100
78) Hexachloro-1,3-Butadiene	23.57	225	1166560	10.64	ppbv	99
79) Naphthalene	22.44	128	2978072m	12.49	ppbv	
80) Naphthalene,2-methyl-	25.13	142	879829	11.30	ppbv	100
81) 1,2,4-Trichlorobenzene	22.16	180	1409694	11.91	ppbv	99

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

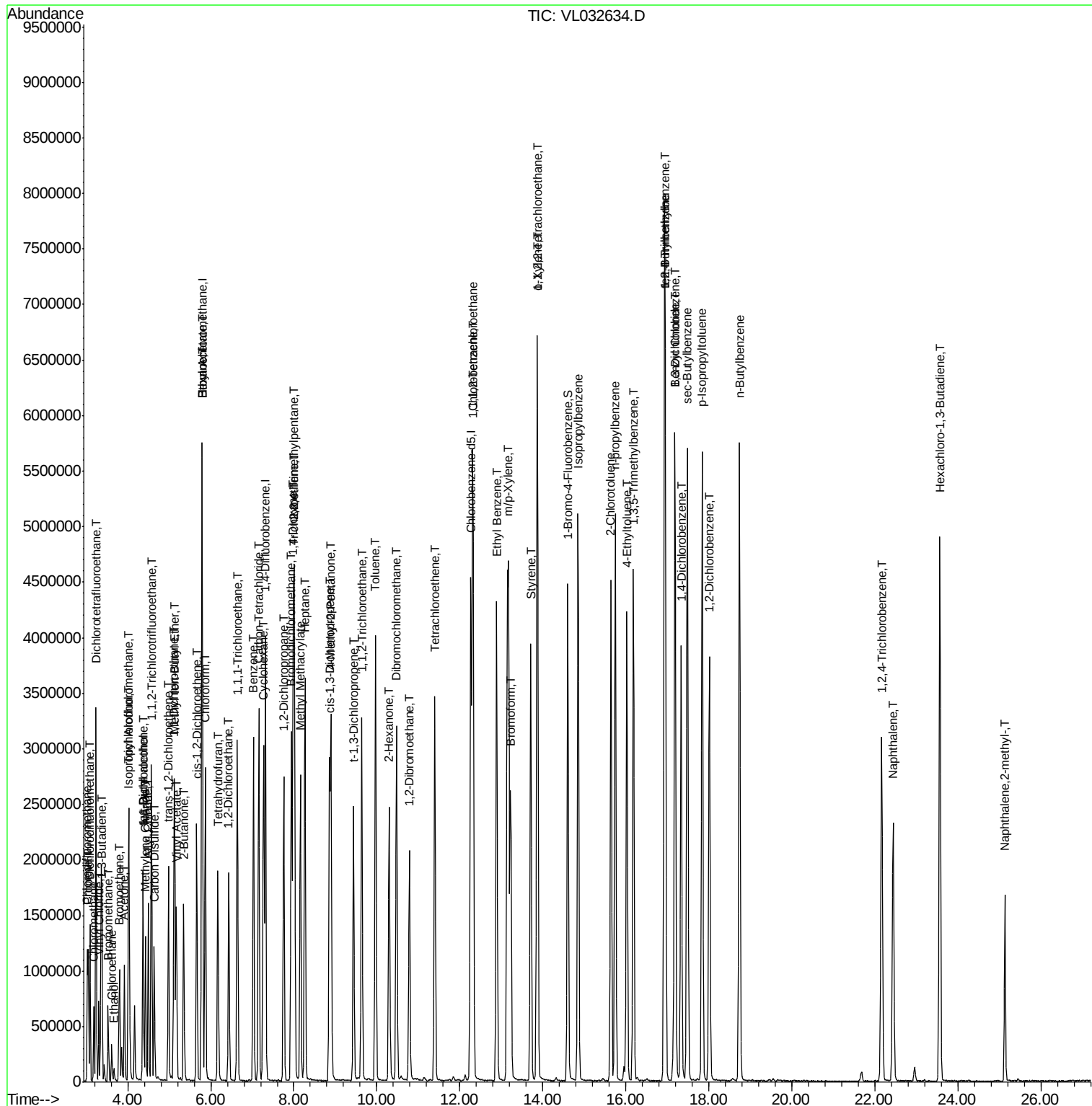
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
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Acq On    : 17 Oct 2018    7:15
Operator  : SY/AP
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Misc      : 400ml/MSVOA_L
ALS Vial  : 1    Sample Multiplier: 1
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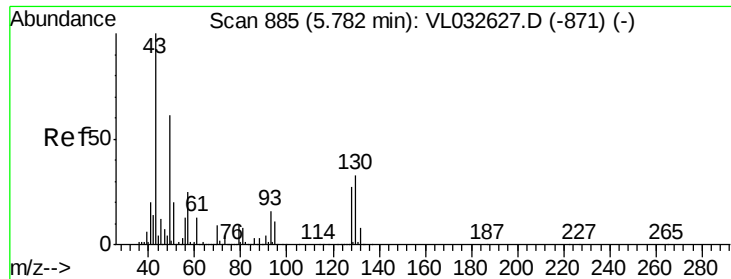
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Oct
QLast Update : wed Oct 17 08:55:11 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

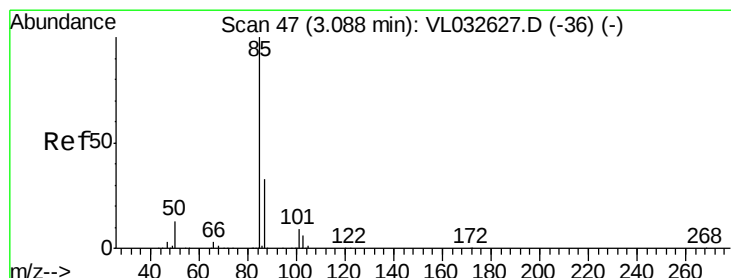
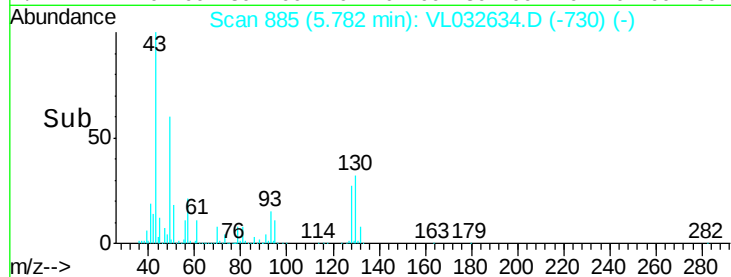
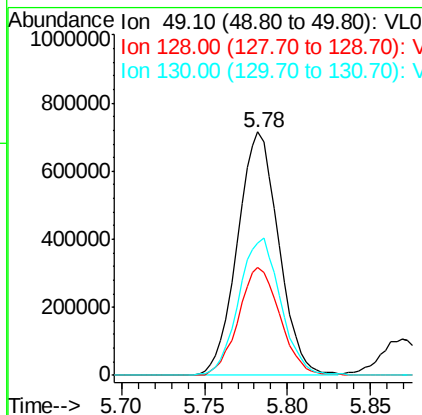
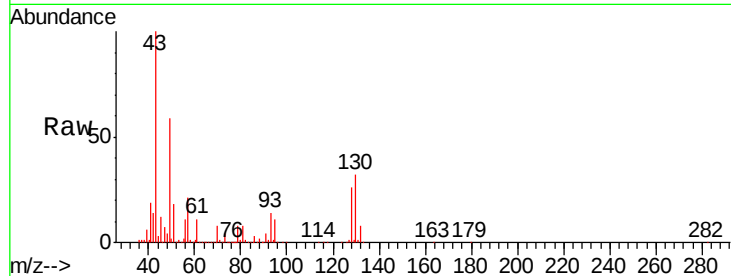
ClientSampleId :

ICVVL101718

Tgt Ion:	49	Resp:	1235852
Ion	Ratio	Lower	Upper
49	100		
128	45.0	22.3	66.8
130	57.5	28.4	85.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 11.15 ppbv

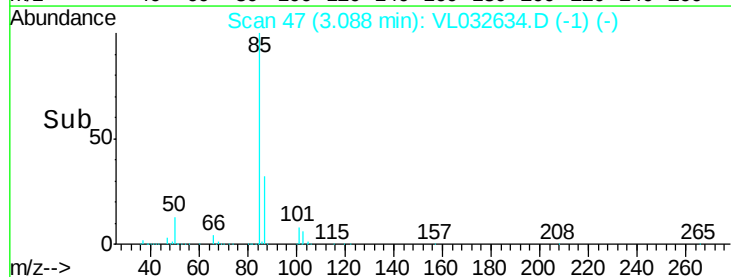
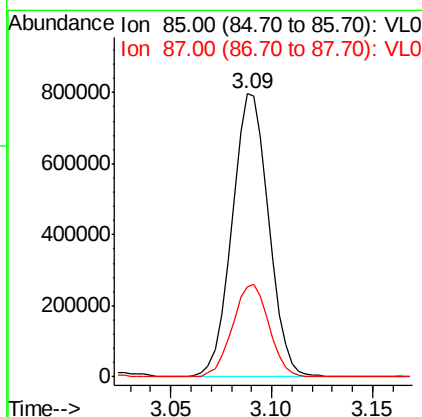
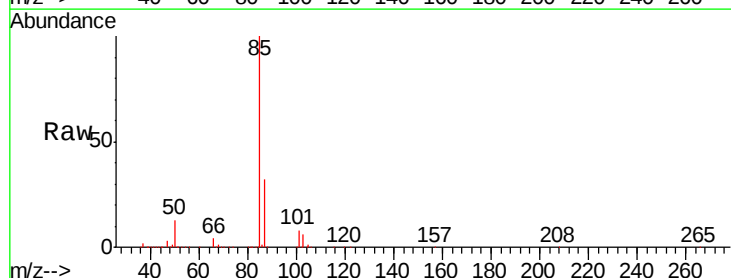
RT: 3.09 min Scan# 47

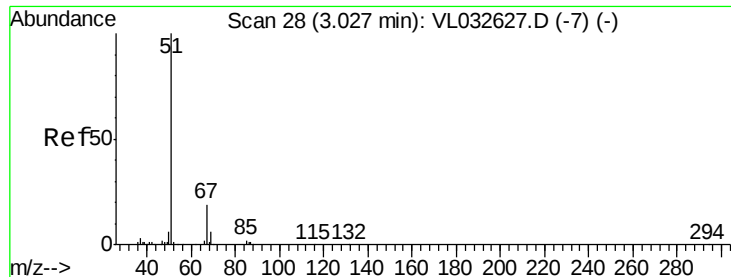
Delta R.T. 0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Tgt Ion:	85	Resp:	1011244
Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.2	39.2





#3

Chlorodifluoromethane

Concen: 10.02 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 51 Resp: 1036202

Ion Ratio Lower Upper

51 100

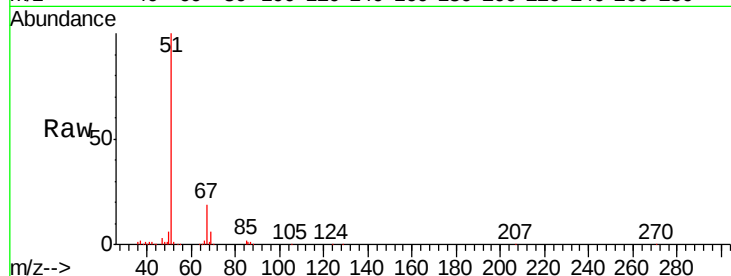
67 19.0 15.2 22.8

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.03

800000

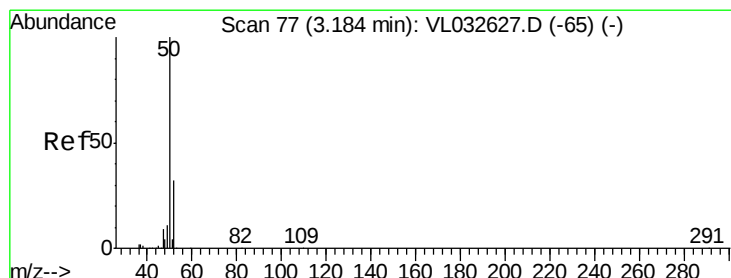
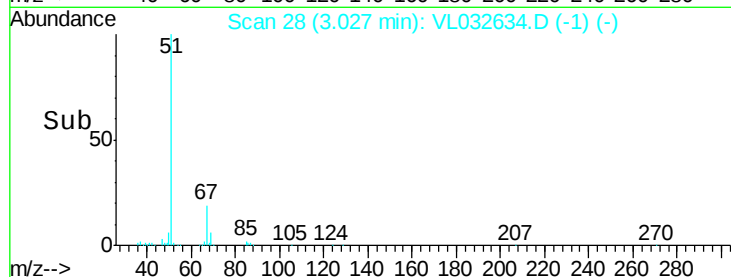
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.37 ppbv

RT: 3.18 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL032634.D

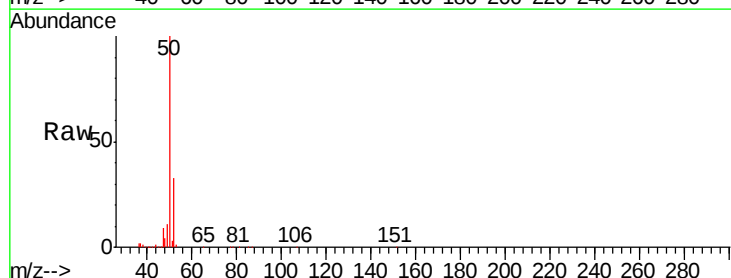
Acq: 17 Oct 2018 7:15

Tgt Ion: 50 Resp: 585207

Ion Ratio Lower Upper

50 100

52 32.8 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.18

400000

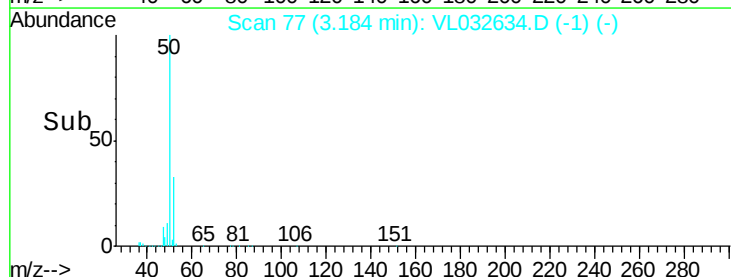
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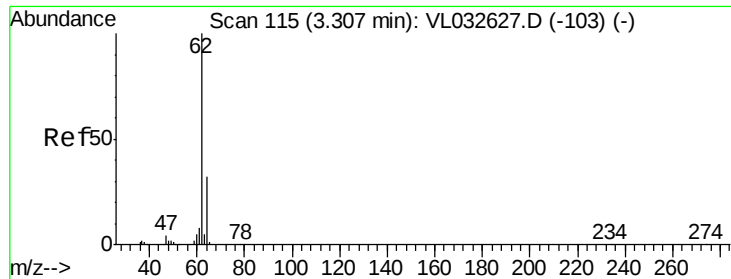
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.45 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 62 Resp: 594126

Ion Ratio Lower Upper

62 100

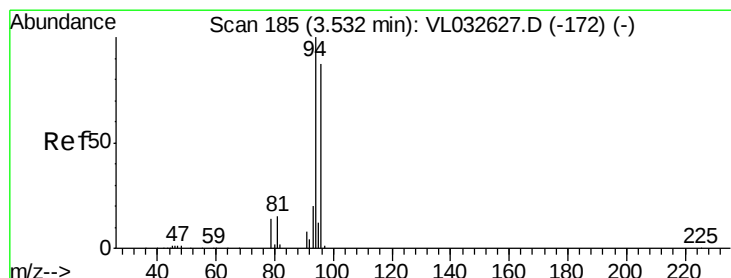
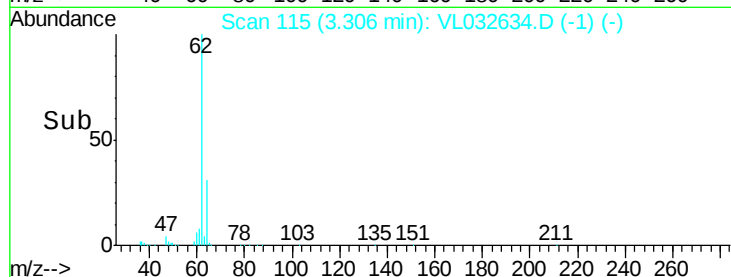
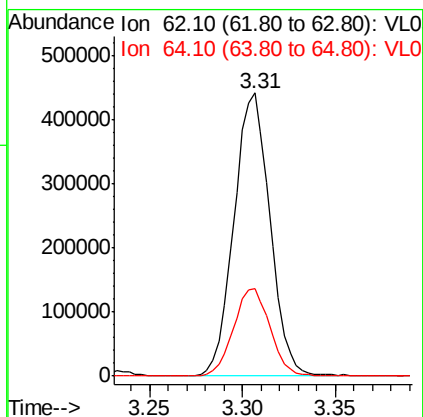
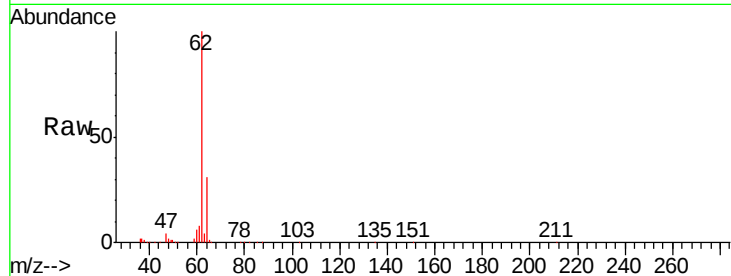
64 31.1 25.5 38.3

Manual Integrations

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#6

Bromomethane

Concen: 9.86 ppbv

RT: 3.53 min Scan# 184

Delta R.T. -0.00 min

Lab File: VL032634.D

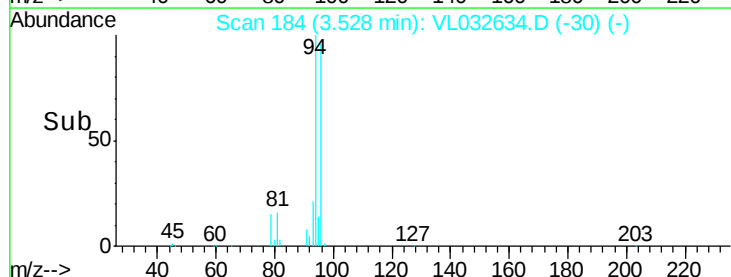
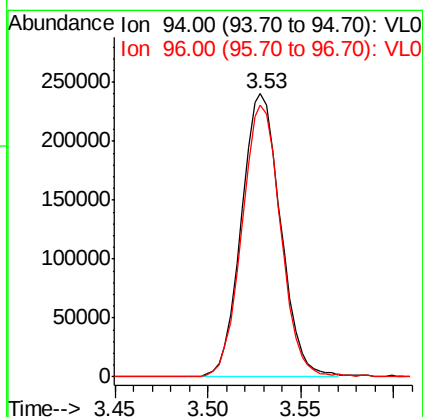
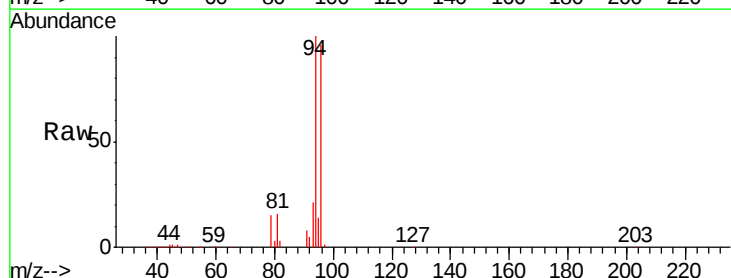
Acq: 17 Oct 2018 7:15

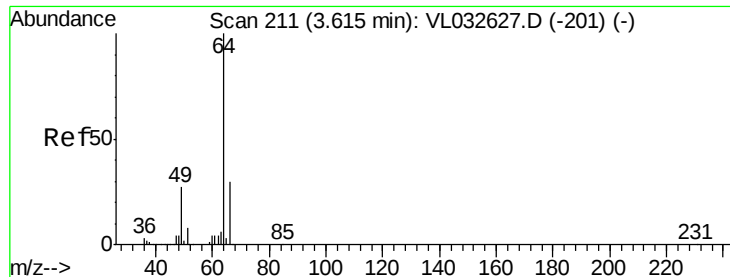
Tgt Ion: 94 Resp: 354083

Ion Ratio Lower Upper

94 100

96 95.9 69.8 104.8





#7

Chloroethane

Concen: 10.08 ppbv

RT: 3.62 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 64 Resp: 224343

Ion Ratio Lower Upper

64 100

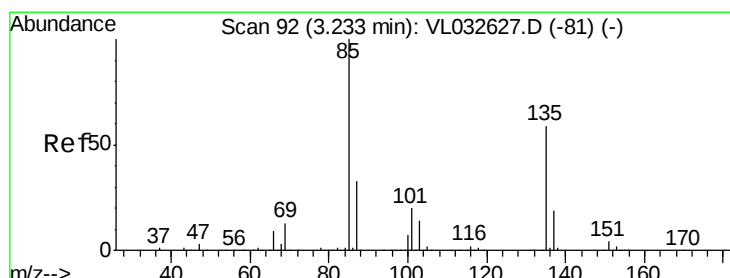
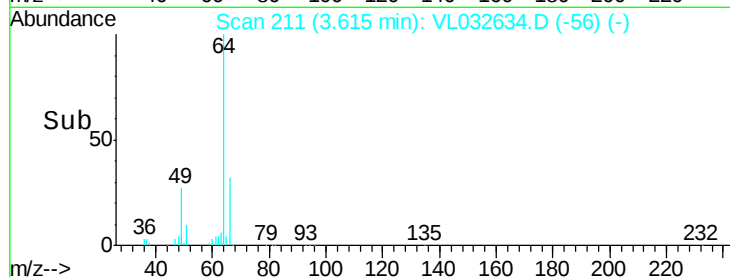
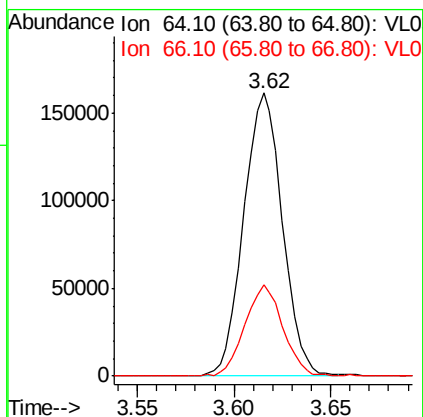
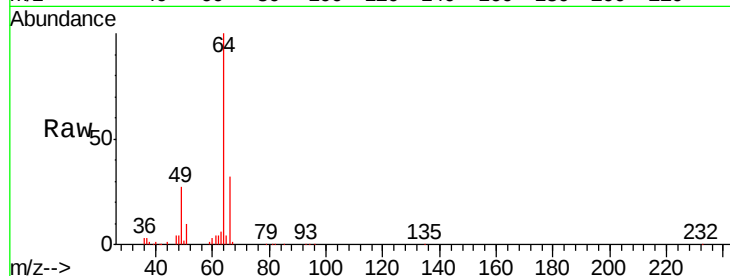
66 32.1 24.4 36.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.74 ppbv

RT: 3.23 min Scan# 92

Delta R.T. -0.00 min

Lab File: VL032634.D

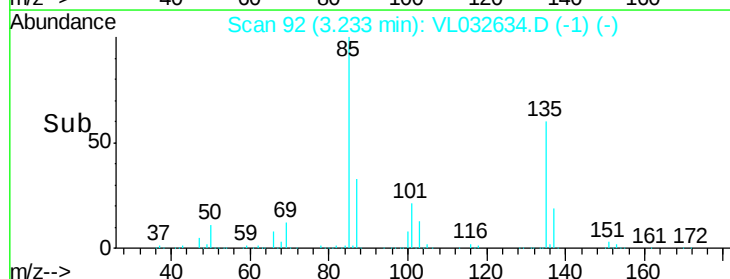
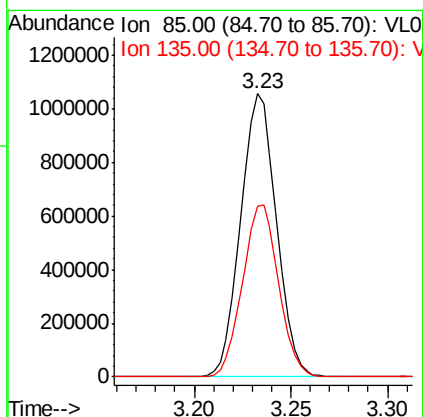
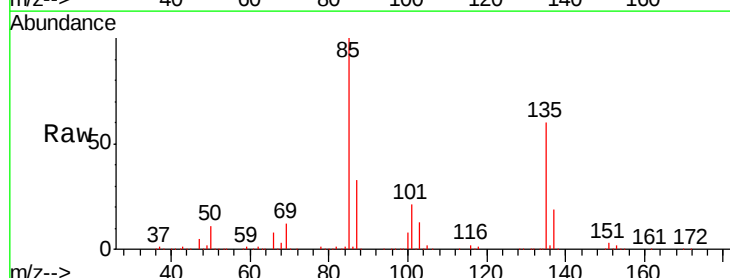
Acq: 17 Oct 2018 7:15

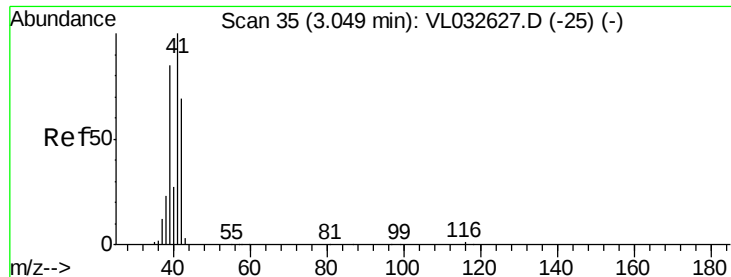
Tgt Ion: 85 Resp: 1357259

Ion Ratio Lower Upper

85 100

135 61.7 49.0 73.4





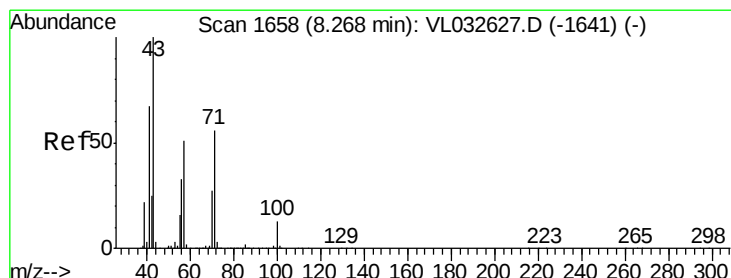
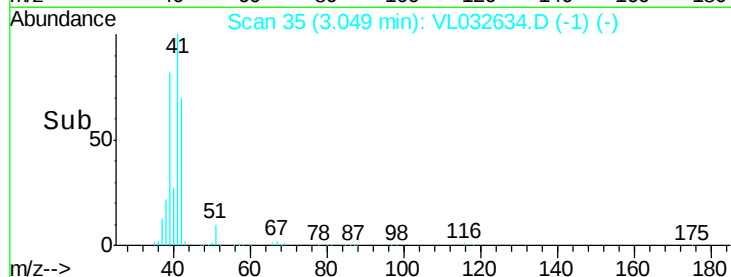
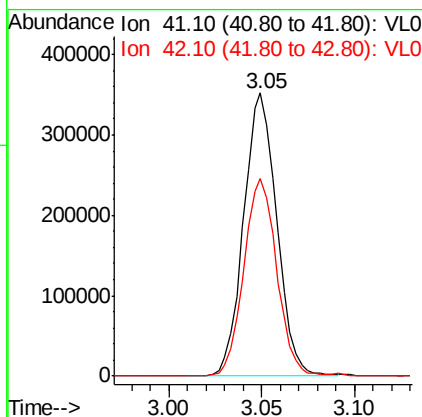
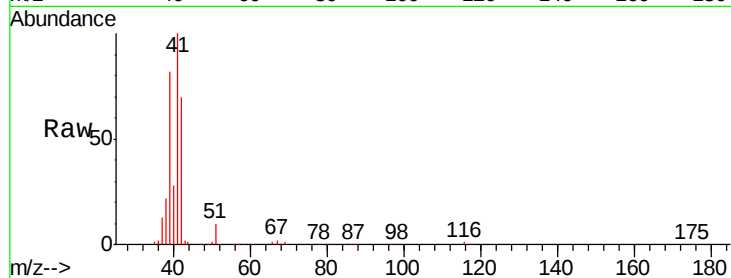
#9
 Propene
 Concen: 11.57 ppbv
 RT: 3.05 min Scan# 35
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion: 41 Resp: 438601
 Ion Ratio Lower Upper
 41 100
 42 69.8 55.4 83.0

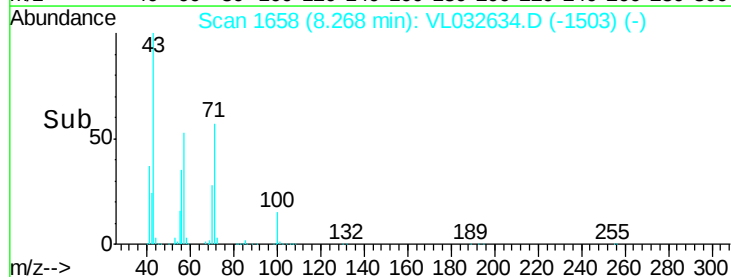
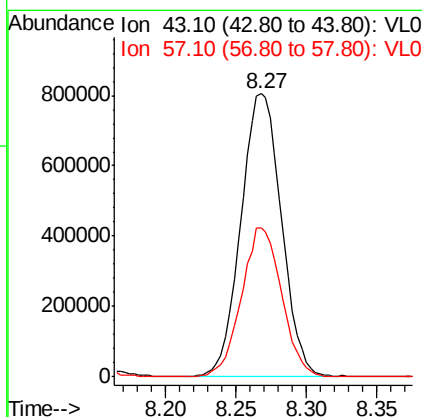
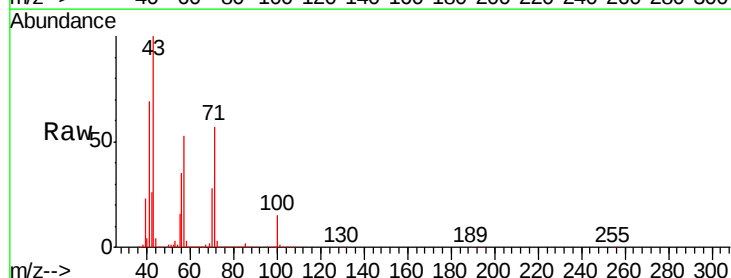
Manual Integrations
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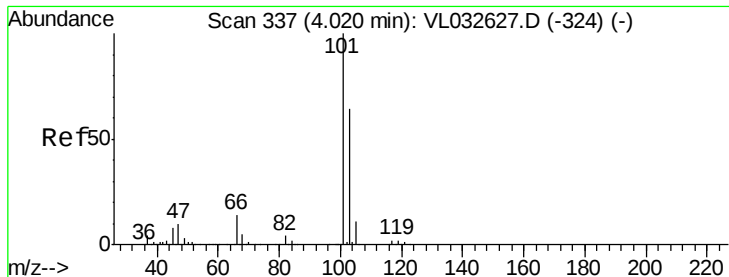
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#10
 Heptane
 Concen: 11.37 ppbv
 RT: 8.27 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion: 43 Resp: 1613772
 Ion Ratio Lower Upper
 43 100
 57 52.3 41.5 62.3





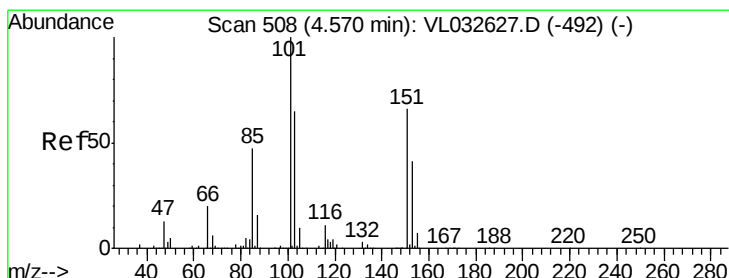
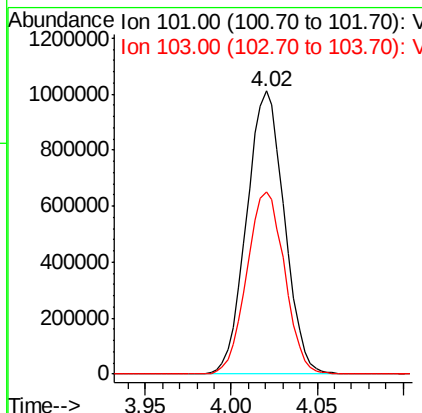
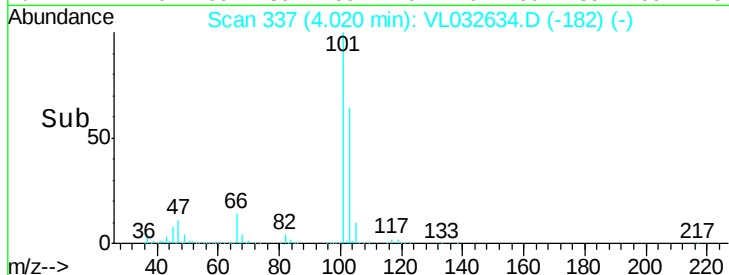
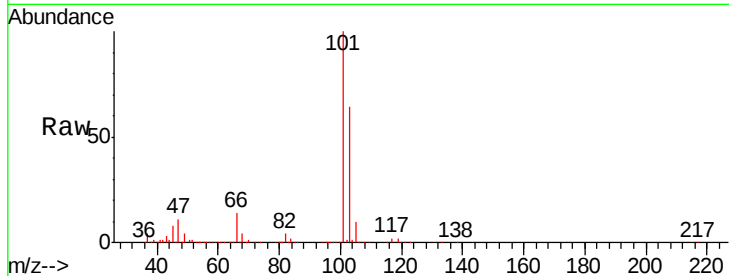
#11
 Trichlorofluoromethane
 Concen: 9.70 ppbv
 RT: 4.02 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion:101 Resp: 1540274
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.4 77.2

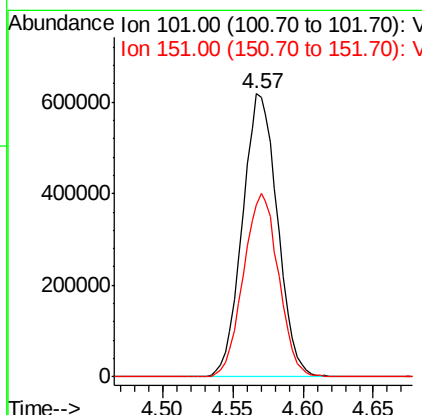
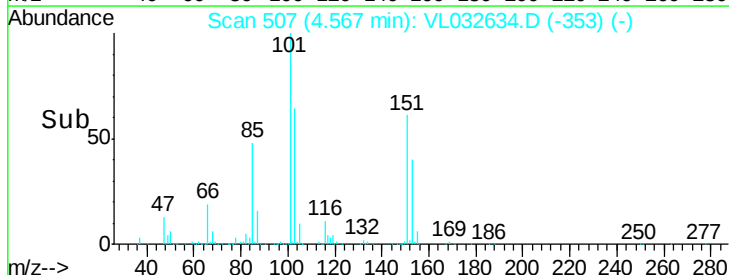
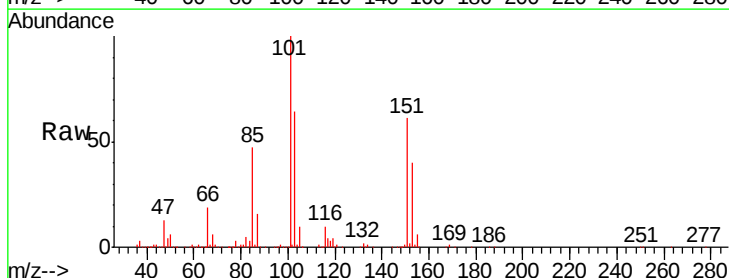
Manual Integrations
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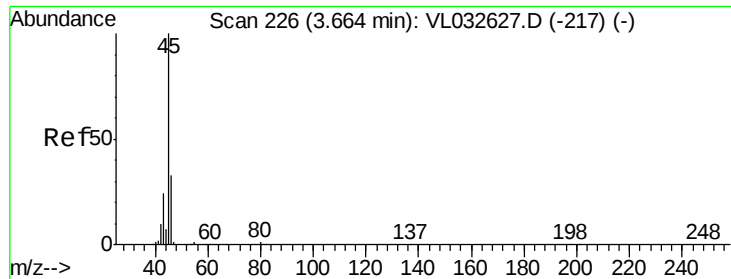
MMDadoda
 10/19/2018 4:36:31 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.24 ppbv
 RT: 4.57 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion:101 Resp: 1074175
 Ion Ratio Lower Upper
 101 100
 151 65.2 52.3 78.5





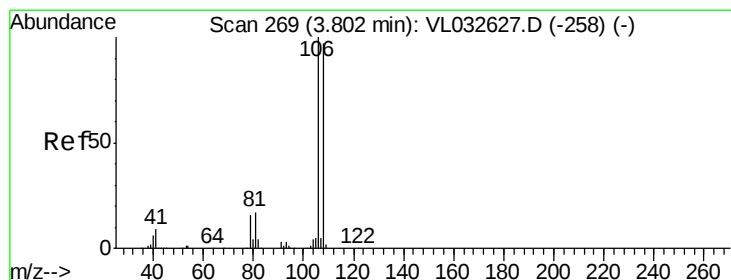
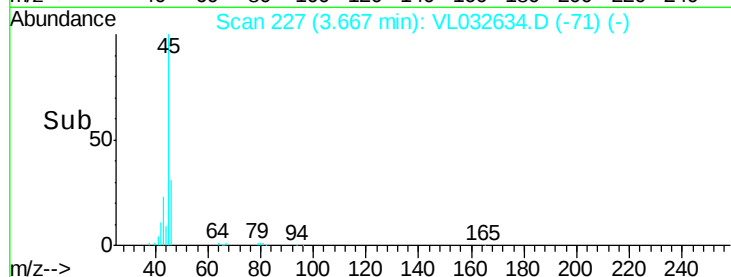
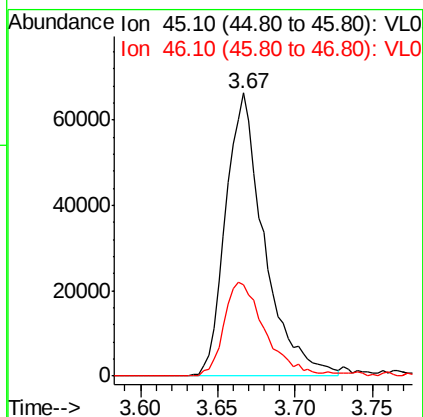
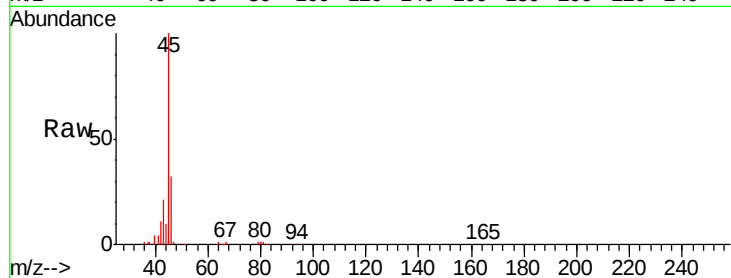
#13
Ethanol
Concen: 9.77 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 45 Resp: 114634
Ion Ratio Lower Upper
45 100
46 36.3 15.4 61.8

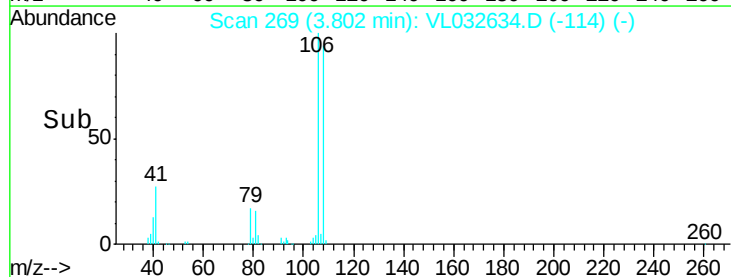
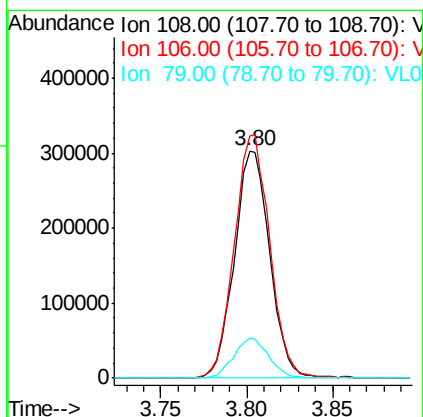
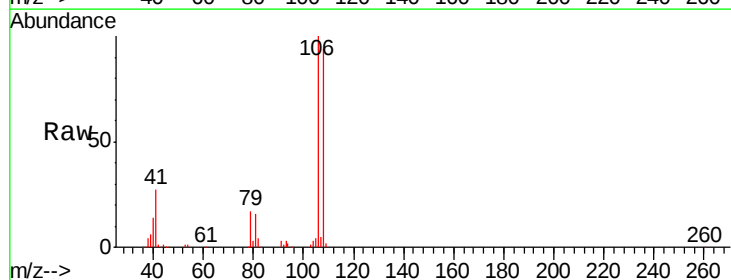
Manual Integrations
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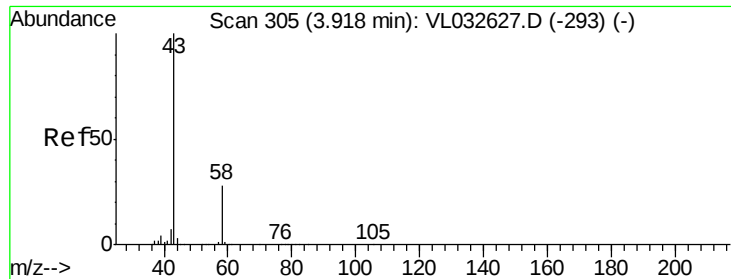
MMDadoda
10/19/2018 4:36:31 PM



#14
Bromoethene
Concen: 10.16 ppbv
RT: 3.80 min Scan# 269
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 108 Resp: 431959
Ion Ratio Lower Upper
108 100
106 108.3 85.0 127.4
79 17.8 13.7 20.5





#15

Acetone

Concen: 9.15 ppbv

RT: 3.92 min Scan# 305

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 43 Resp: 1005963

Ion Ratio Lower Upper

43 100

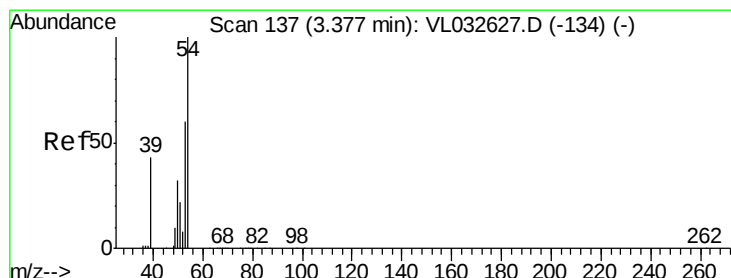
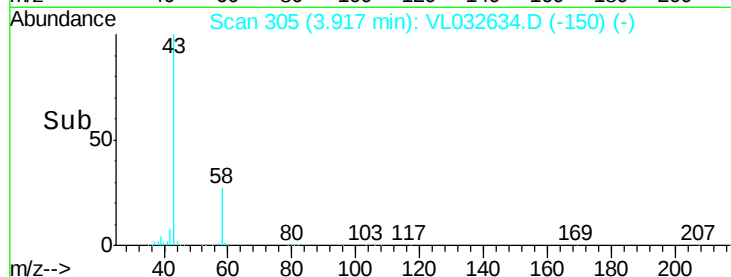
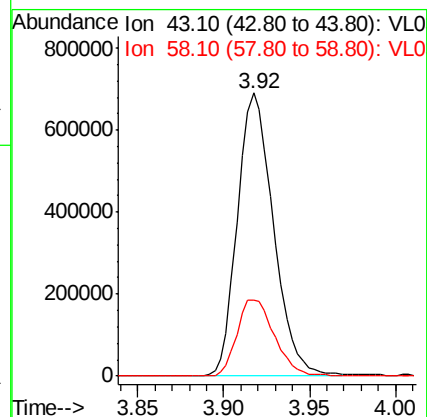
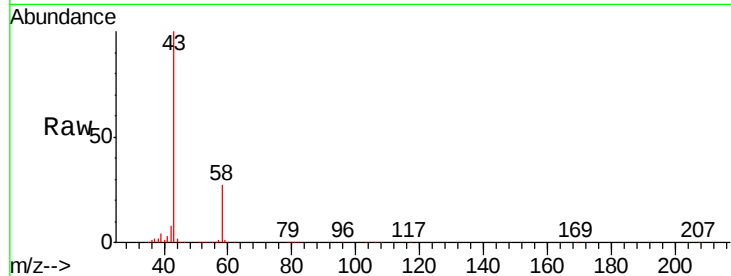
58 28.2 22.1 33.1

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.32 ppbv

RT: 3.38 min Scan# 137

Delta R.T. -0.00 min

Lab File: VL032634.D

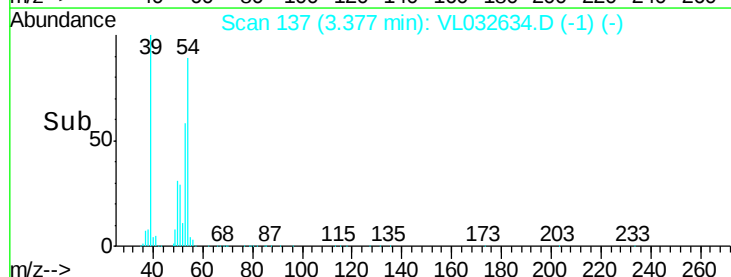
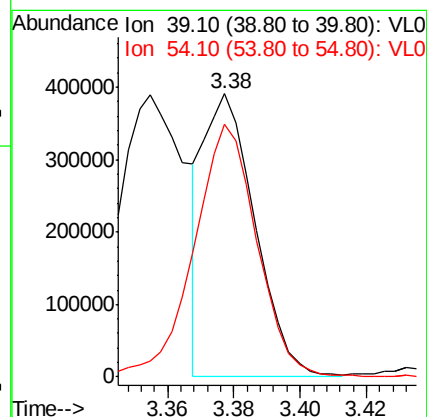
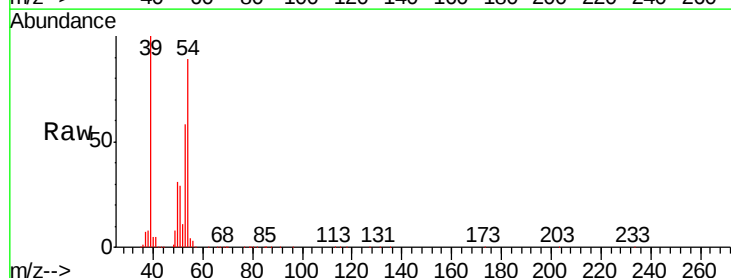
Acq: 17 Oct 2018 7:15

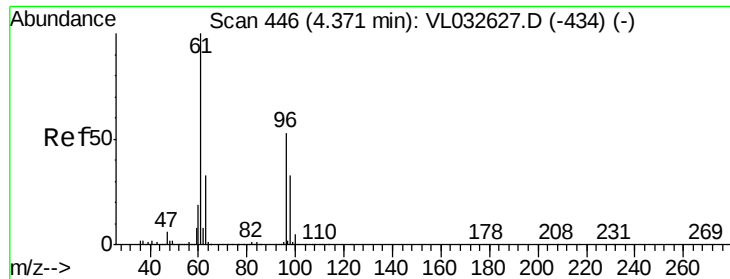
Tgt Ion: 39 Resp: 420153

Ion Ratio Lower Upper

39 100

54 110.2 90.4 135.6





#17

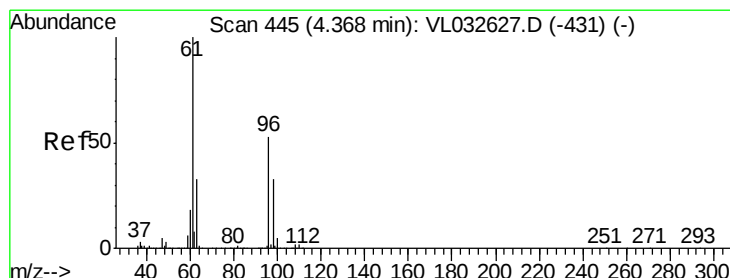
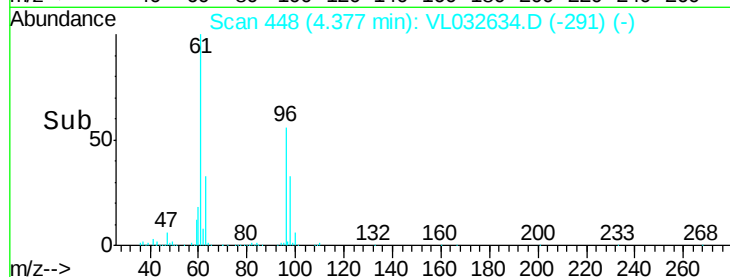
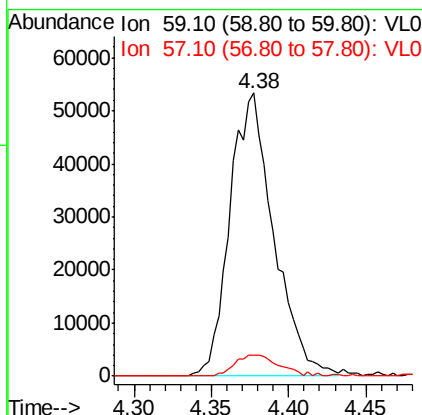
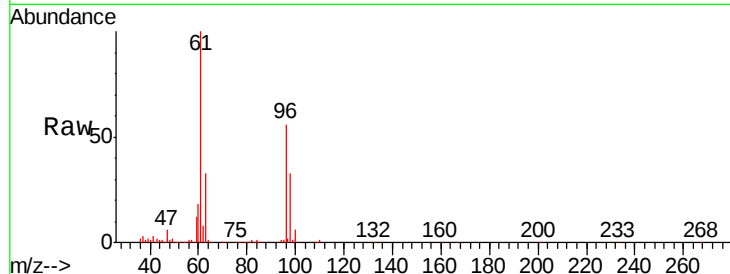
tert-Butyl alcohol
Concen: 10.45 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.01 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion	Ratio	Resp Lower	Upper
59	100		
57	7.8	0.0	0.0#

Manual Integrations
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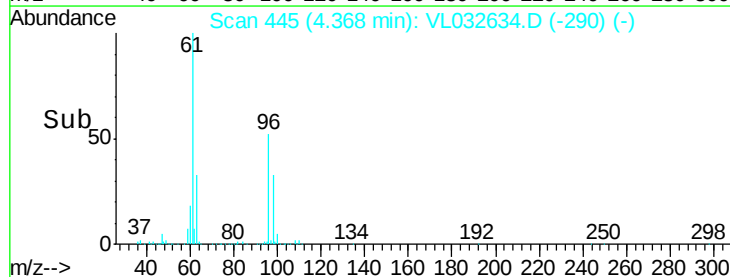
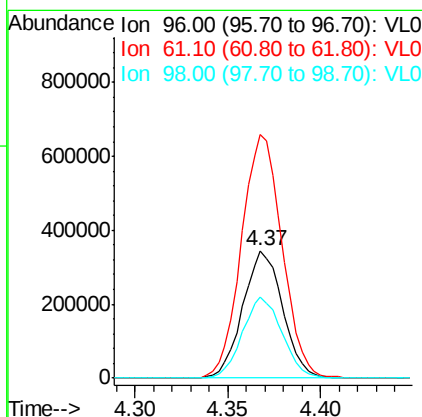
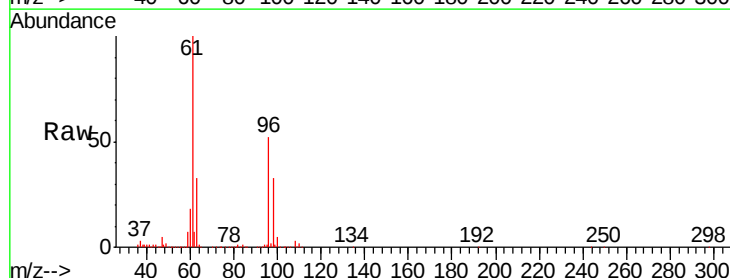
MMDadoda
10/19/2018 4:36:31 PM

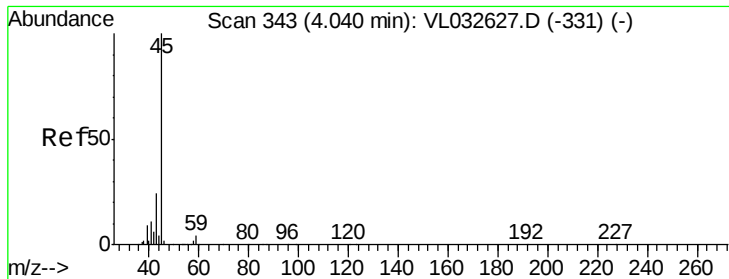


#18

1,1-Dichloroethene
Concen: 9.84 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	190.6	151.6	227.4
98	63.4	50.6	75.8





#19

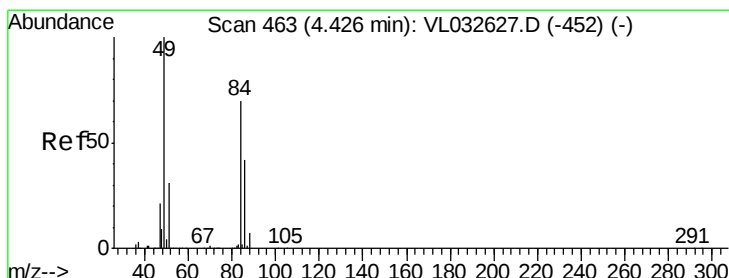
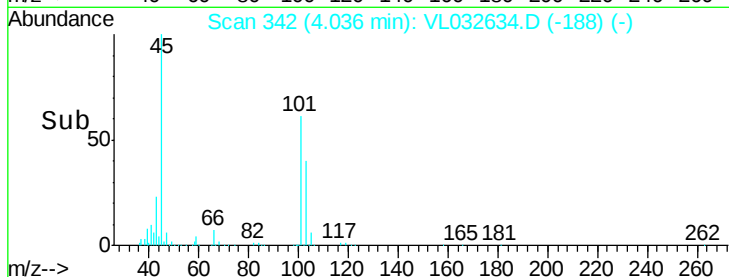
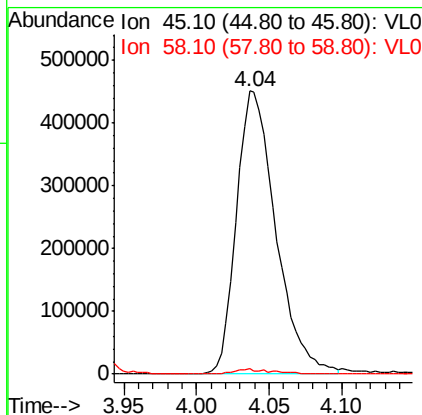
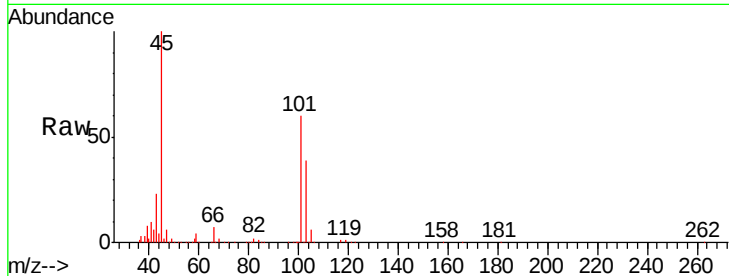
Isopropyl Alcohol
 Concen: 10.95 ppbv
 RT: 4.04 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion	Ratio	Lower	Upper
45	100		
58	1.8	2.0	3.0#

Manual Integrations
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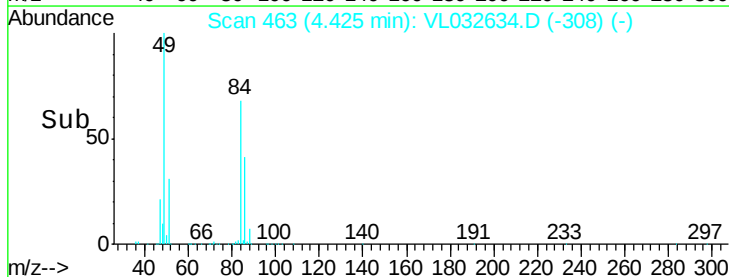
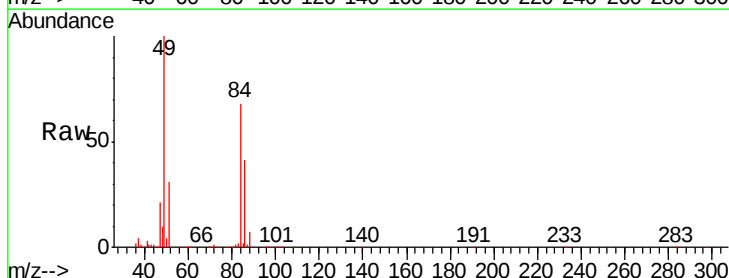
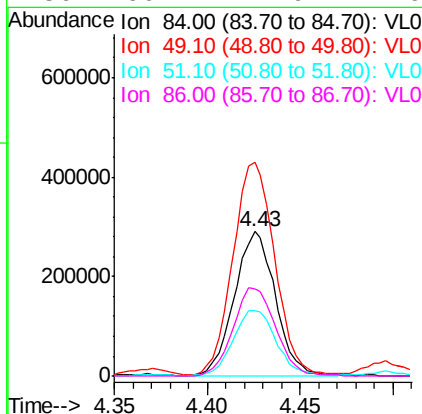
MMDadoda
 10/19/2018 4:36:31 PM

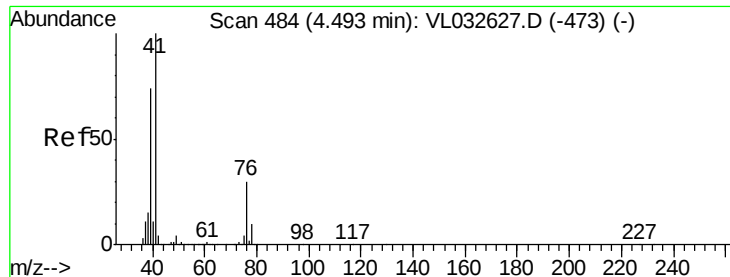


#20

Methylene Chloride
 Concen: 9.01 ppbv
 RT: 4.43 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.4	113.5	170.3
51	45.4	34.8	52.2
86	60.1	47.9	71.9





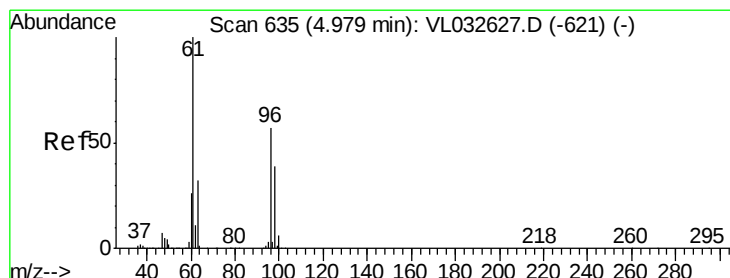
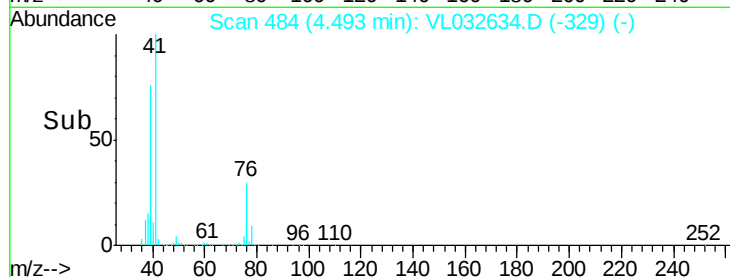
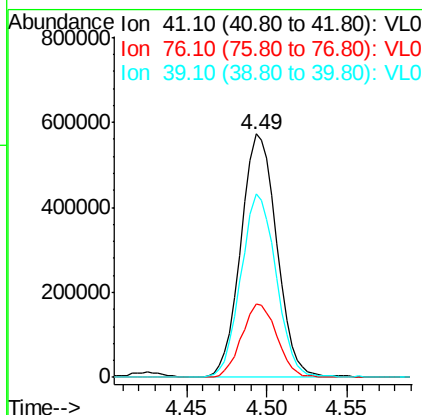
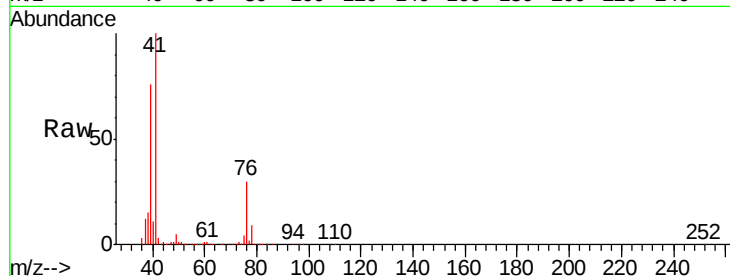
#21
 Allyl Chloride
 Concen: 10.53 ppbv
 RT: 4.49 min Scan# 484
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.3	36.5
39	74.7	60.3	90.5

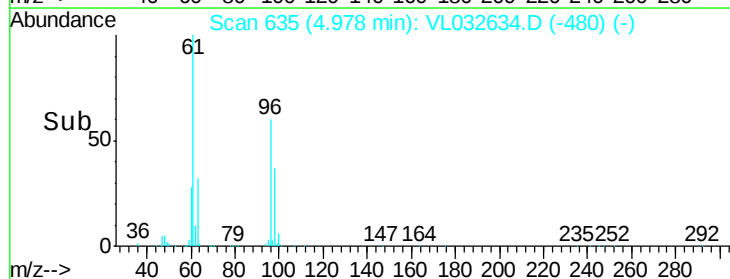
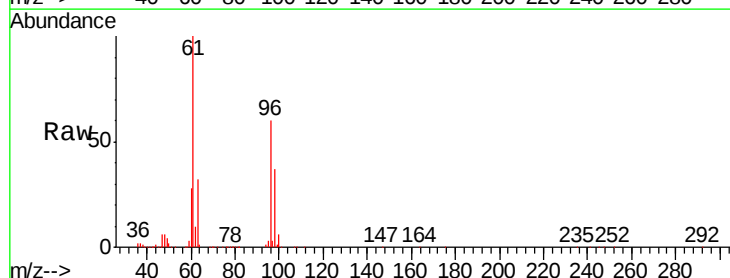
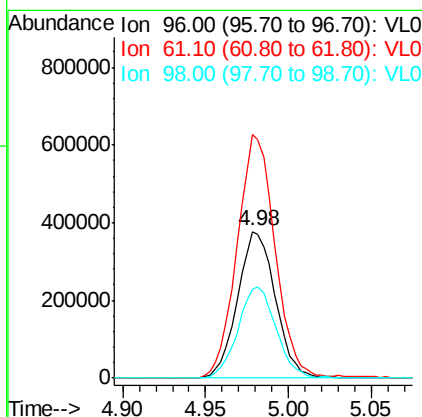
Manual Integrations
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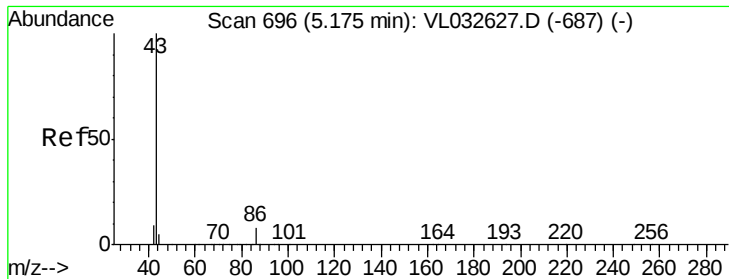
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 10/19/2018 4:36:31 PM



#22
 trans-1,2-Dichloroethene
 Concen: 9.84 ppbv
 RT: 4.98 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	140.4	210.6
98	60.5	55.0	82.6





#23

Vinyl Acetate

Concen: 11.56 ppbv

RT: 5.17 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 43 Resp: 2022528

Ion Ratio Lower Upper

43 100

86 7.8 6.1 9.1

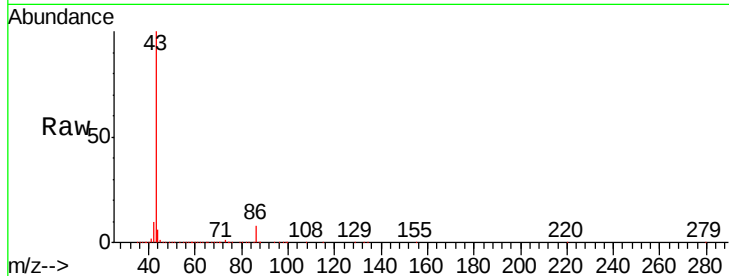
42 9.9 7.4 11.2

44 5.4 4.2 6.2

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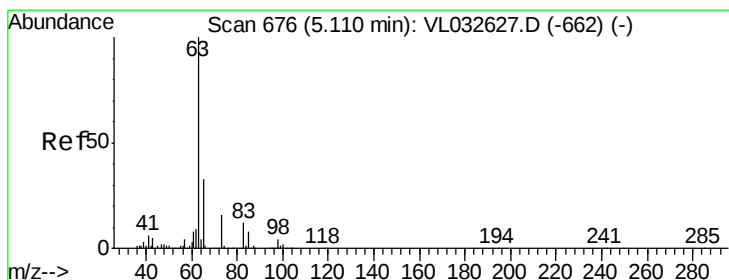
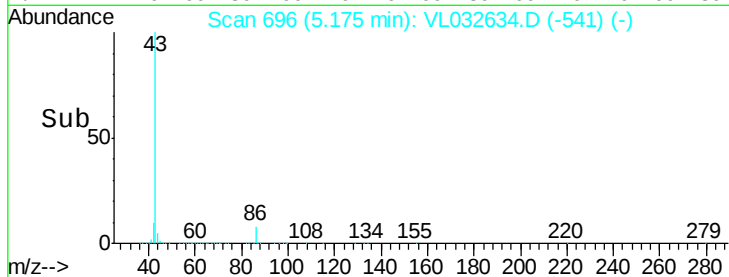
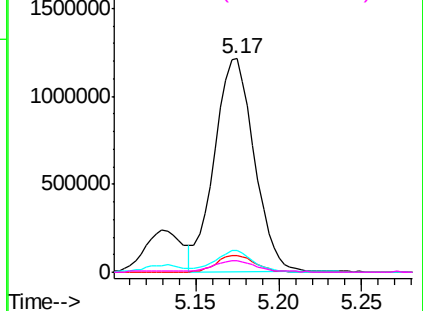


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.01 ppbv

RT: 5.11 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

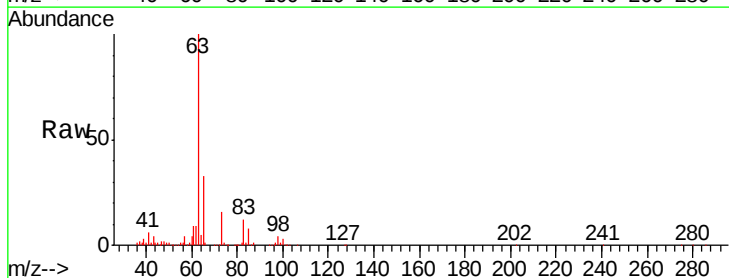
Tgt Ion: 63 Resp: 1623723

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.3

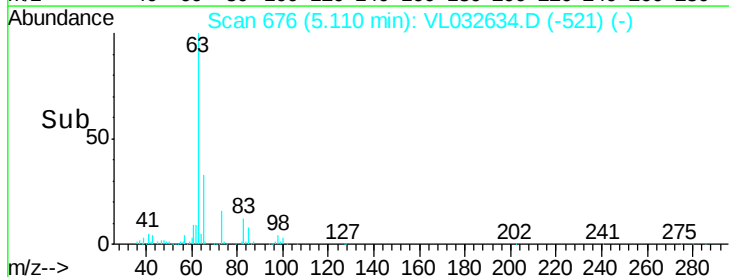
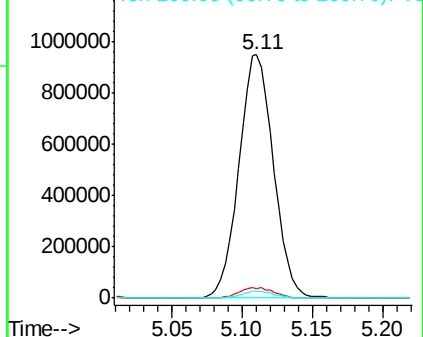
100 3.0 1.2 3.6

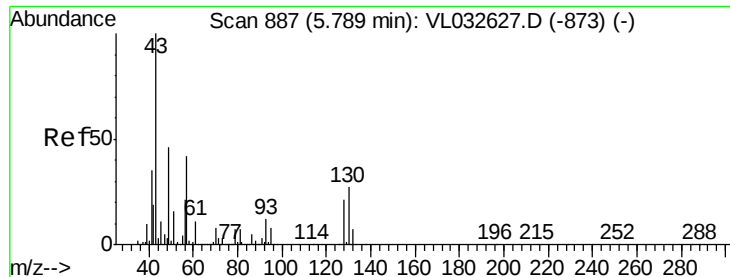


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





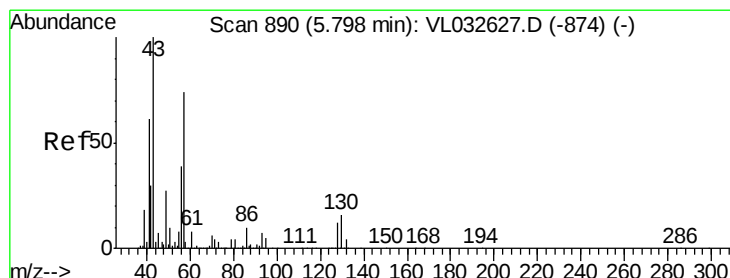
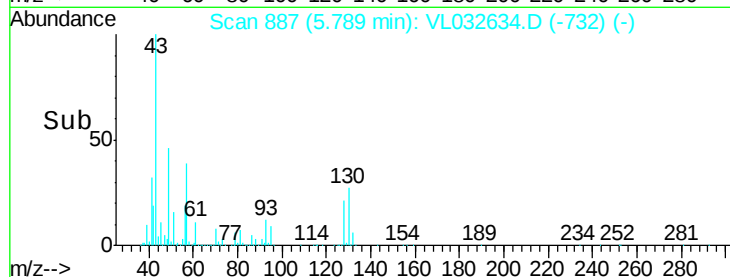
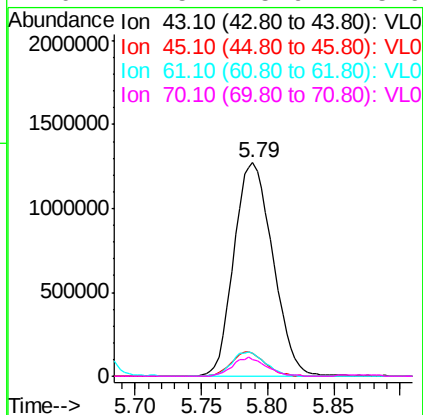
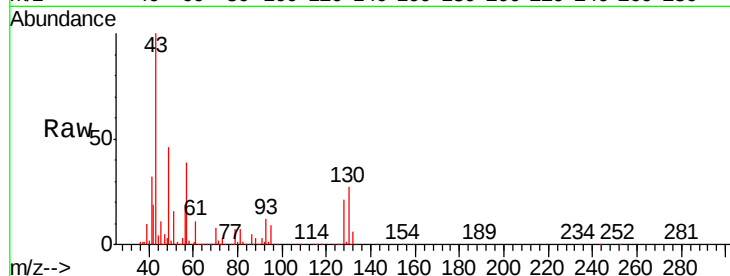
#25
Ethyl Acetate
Concen: 9.97 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.8	8.0	12.0
70	7.5	5.9	8.9

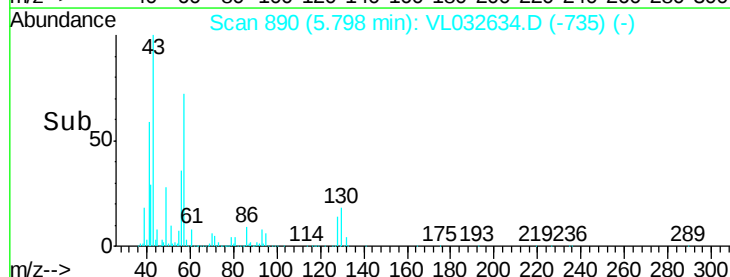
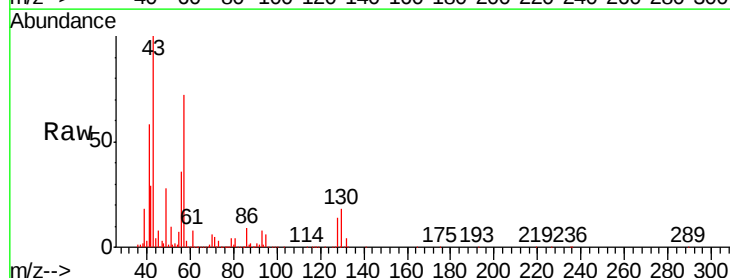
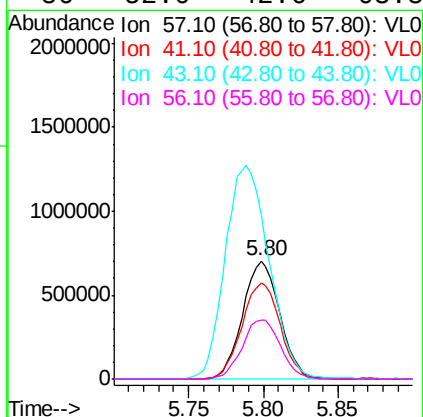
Manual Integrations
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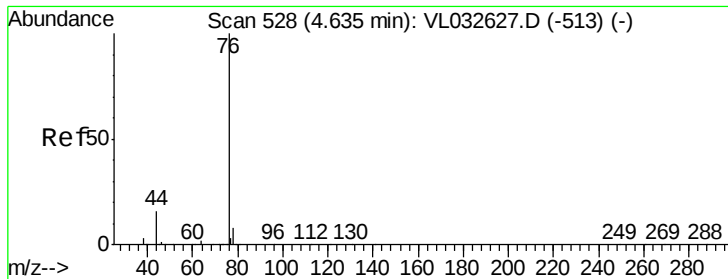
MMDadoda
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#26
Hexane
Concen: 10.37 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion	Ratio	Lower	Upper
57	100		
41	84.2	67.4	101.0
43	214.7	171.9	257.9
56	52.0	42.6	63.8





#27

Carbon Disulfide

Concen: 9.76 ppbv

RT: 4.64 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 76 Resp: 1381885

Ion Ratio Lower Upper

76 100

44 17.2 13.7 20.5

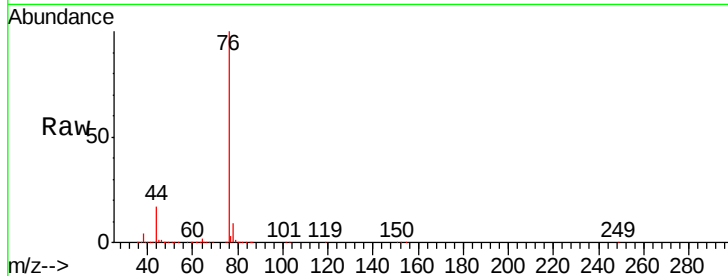
78 9.1 7.4 11.2

Manual Integrations

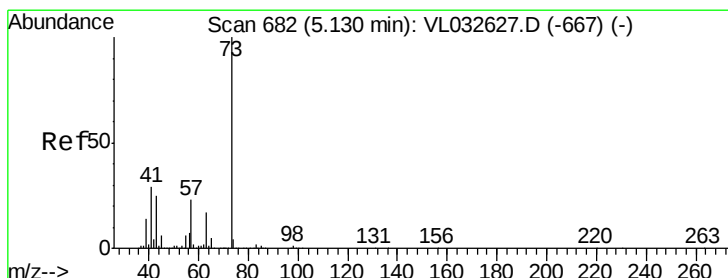
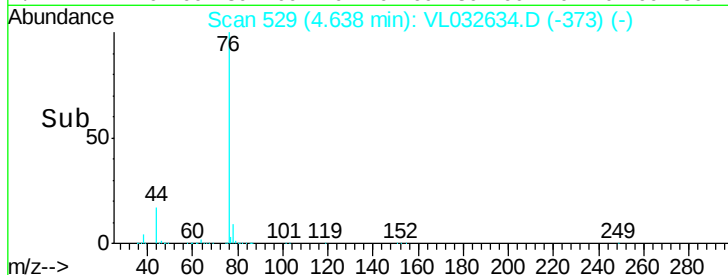
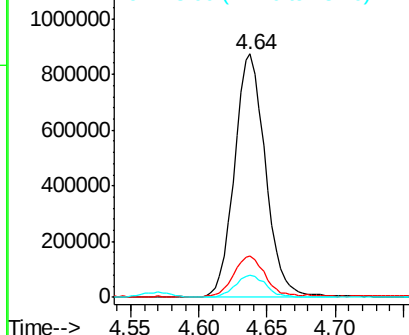
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.42 ppbv

RT: 5.13 min Scan# 682

Delta R.T. -0.00 min

Lab File: VL032634.D

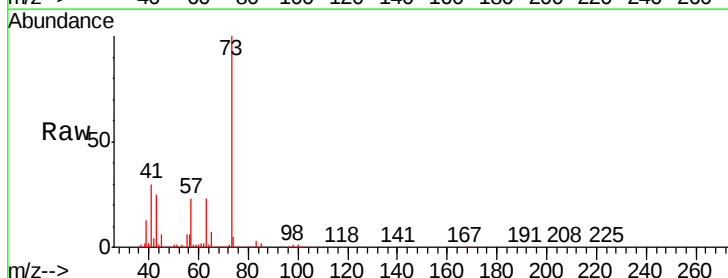
Acq: 17 Oct 2018 7:15

Tgt Ion: 73 Resp: 1682536

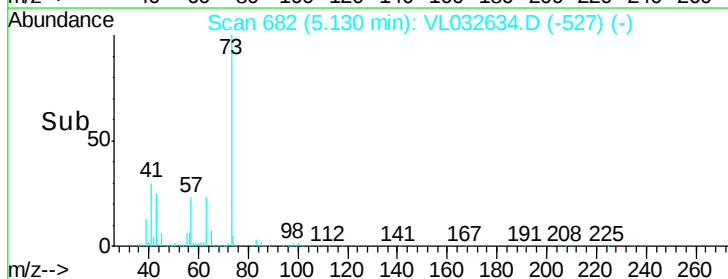
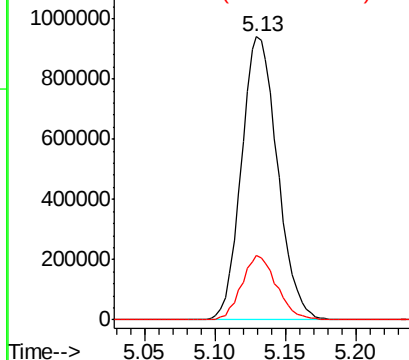
Ion Ratio Lower Upper

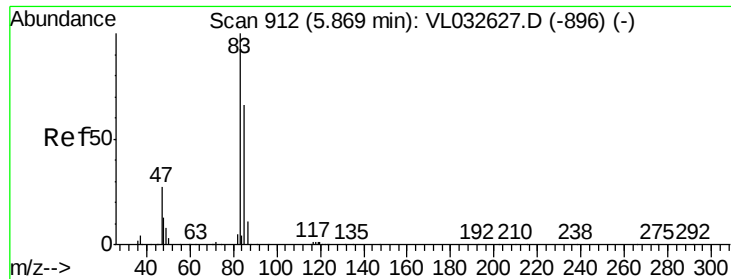
73 100

57 22.2 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





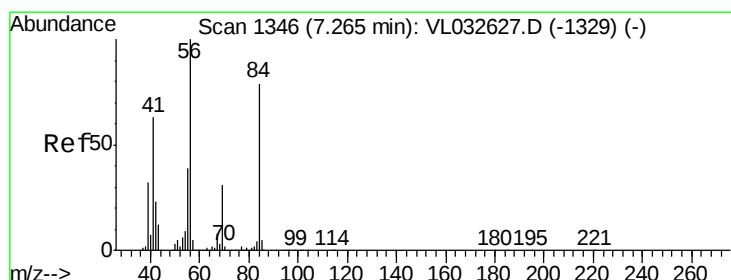
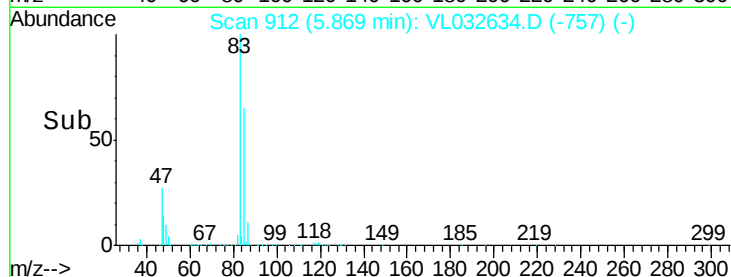
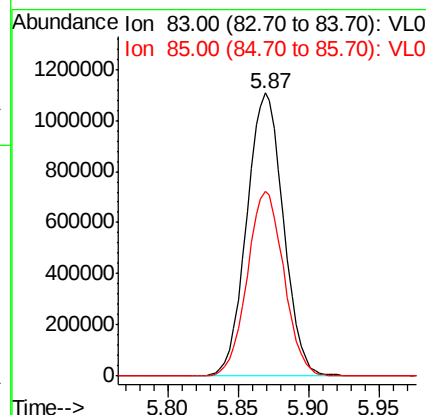
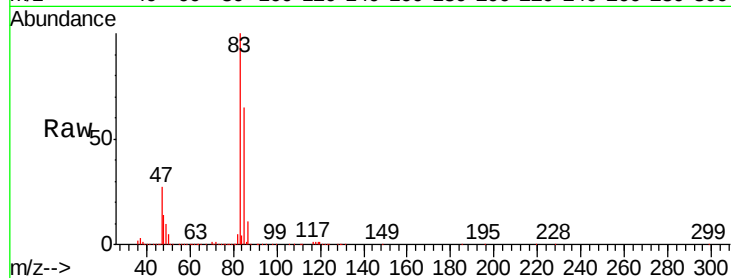
#29
Chloroform
Concen: 9.84 ppbv
RT: 5.87 min Scan# 912
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 83 Resp: 2020535
Ion Ratio Lower Upper
83 100
85 65.1 53.0 79.6

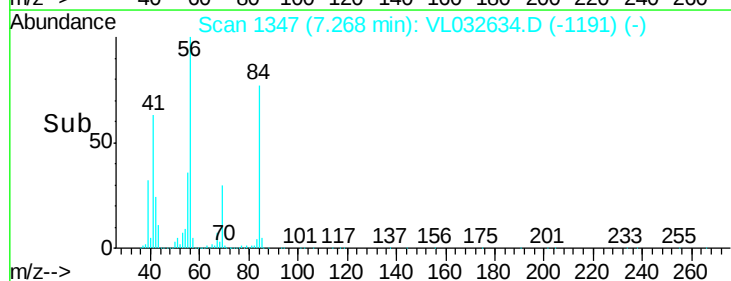
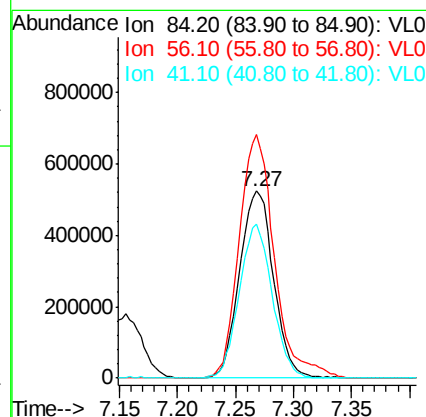
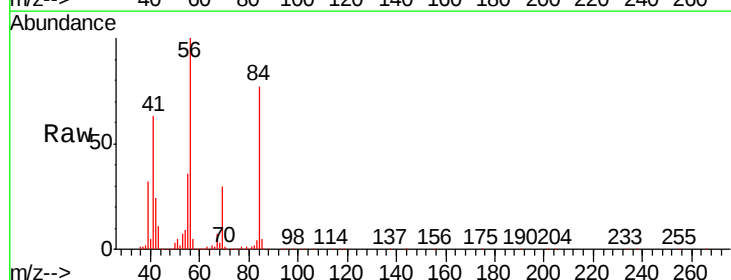
Manual Integrations
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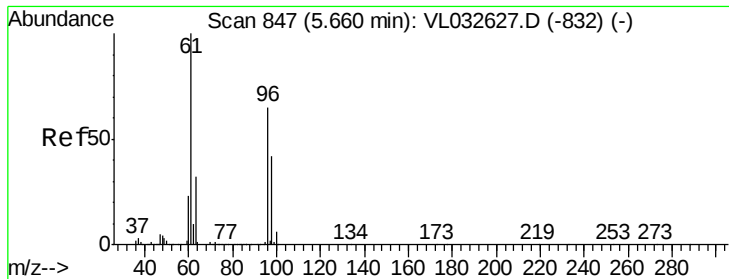
MMDadoda
10/19/2018 4:36:31 PM



#30
Cyclohexane
Concen: 11.50 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 84 Resp: 1062722
Ion Ratio Lower Upper
84 100
56 135.3 108.3 162.5
41 79.9 64.8 97.2





#31

cis-1,2-Dichloroethene

Concen: 11.30 ppbv

RT: 5.66 min Scan# 847

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 61 Resp: 1272294

Ion Ratio Lower Upper

61 100

96 62.6 51.8 77.6

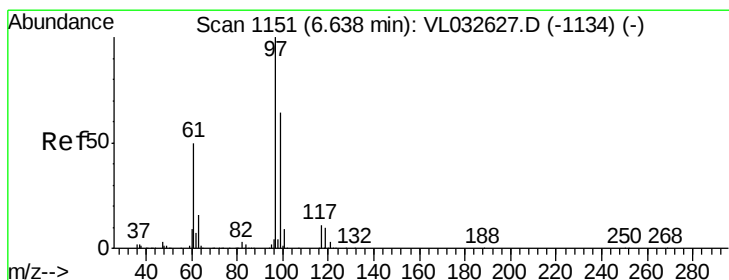
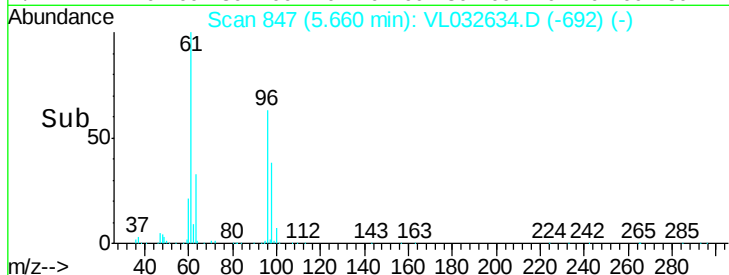
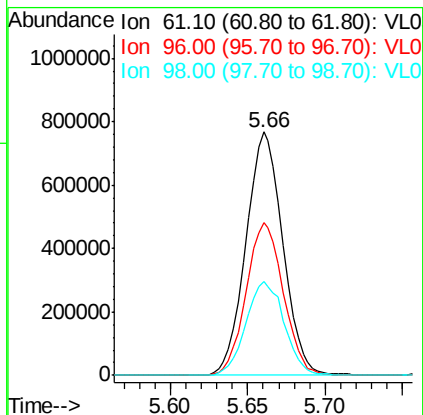
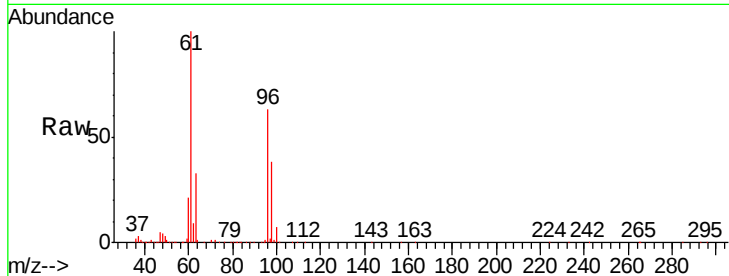
98 38.5 33.8 50.6

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 9.66 ppbv

RT: 6.64 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

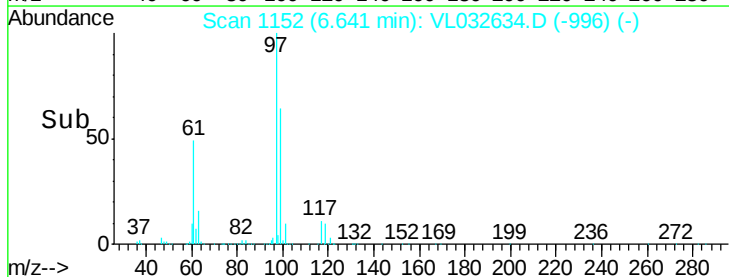
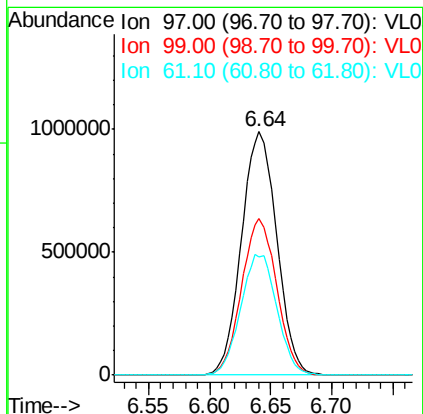
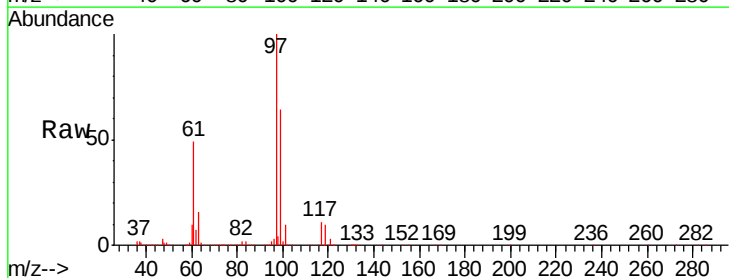
Tgt Ion: 97 Resp: 1979722

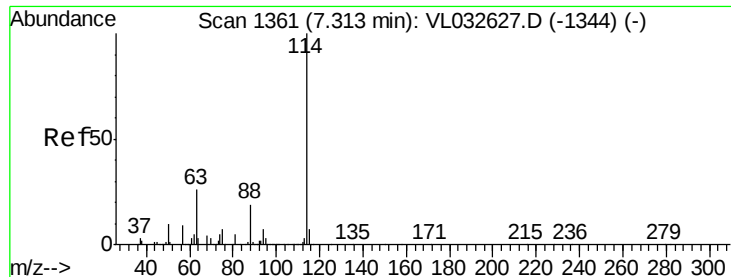
Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

61 50.9 40.7 61.1





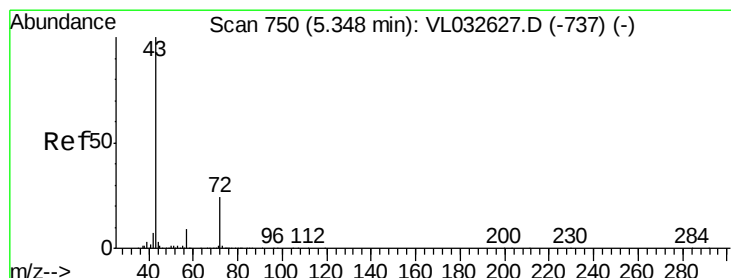
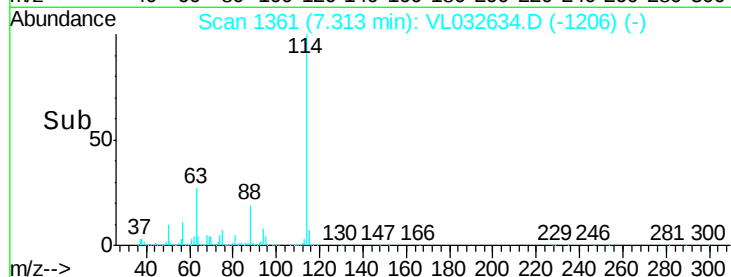
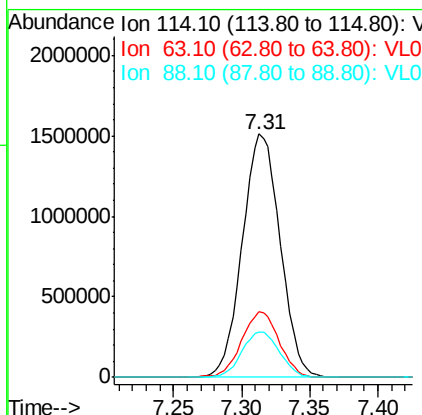
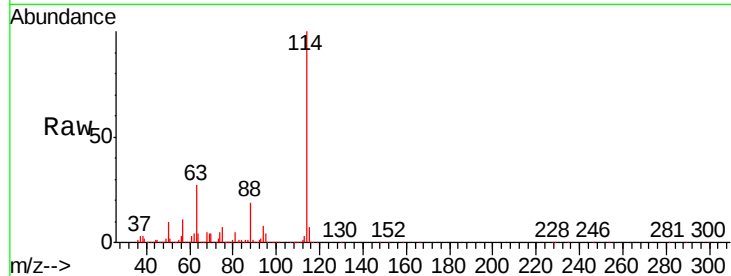
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.31 min Scan# 1361
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion: 114 Resp: 2908209
 Ion Ratio Lower Upper
 114 100
 63 27.3 21.7 32.5
 88 18.7 14.9 22.3

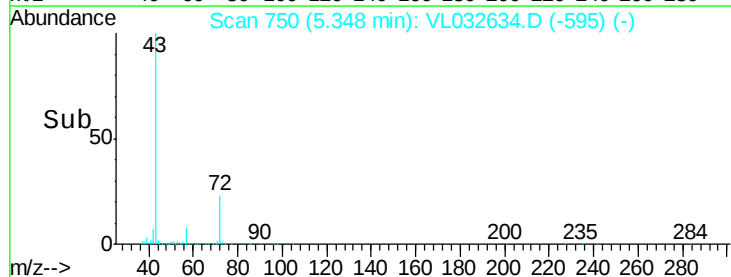
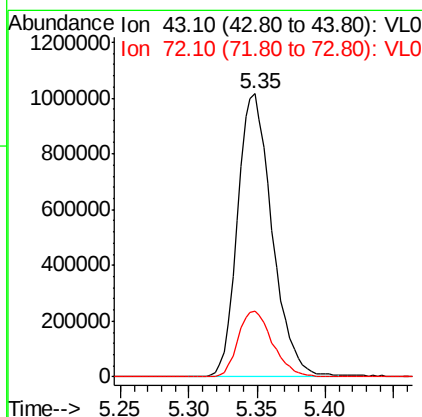
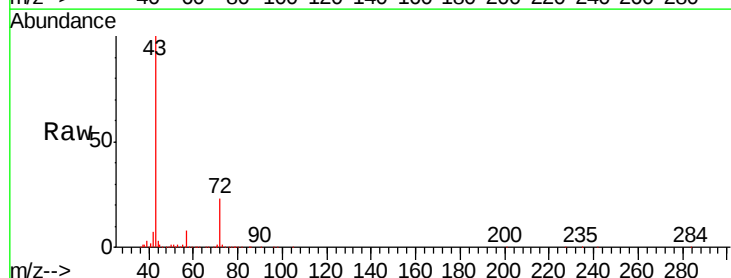
Manual Integrations
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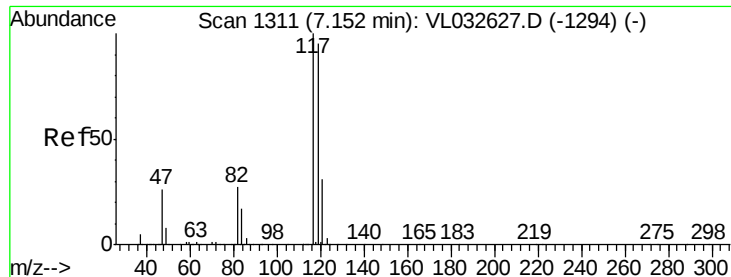
MMDadoda
 10/19/2018 4:36:31 PM



#34
 2-Butanone
 Concen: 11.01 ppbv
 RT: 5.35 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion: 43 Resp: 1777344
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.6 27.8





#35

Carbon Tetrachloride

Concen: 9.18 ppbv

RT: 7.16 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 117 Resp: 2069534

Ion Ratio Lower Upper

117 100

119 97.0 75.7 113.5

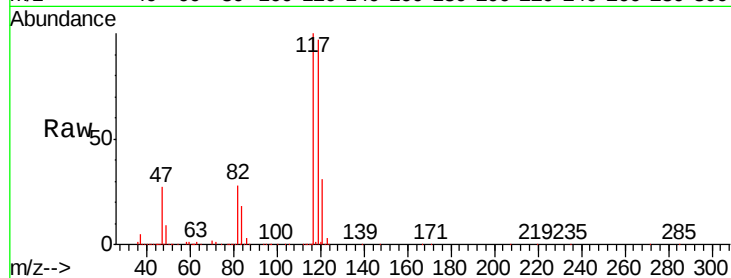
121 30.7 24.7 37.1

Manual Integrations

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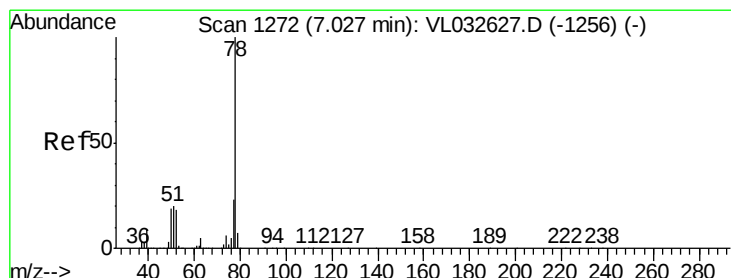
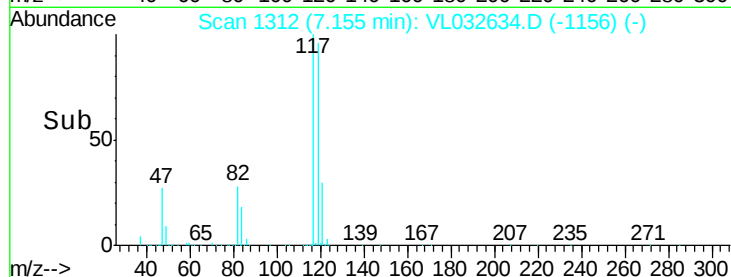
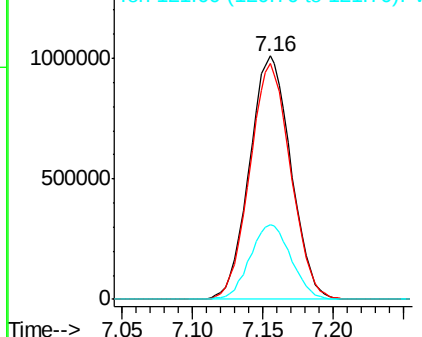
10/19/2018 4:36:31 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.90 ppbv

RT: 7.03 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

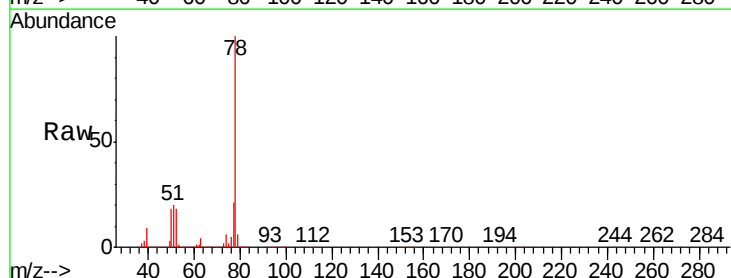
Tgt Ion: 78 Resp: 2568725

Ion Ratio Lower Upper

78 100

77 21.4 18.1 27.1

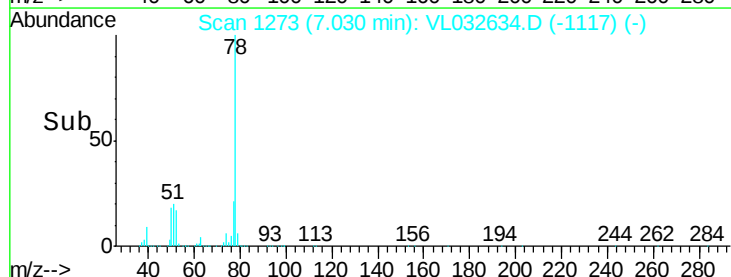
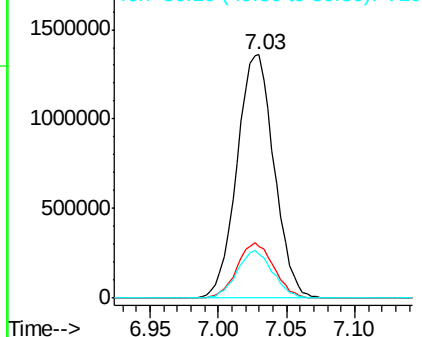
50 17.9 15.1 22.7

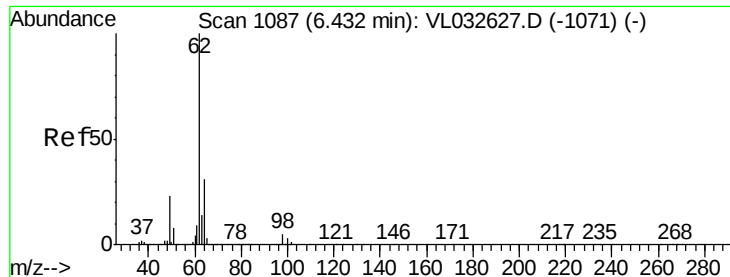


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





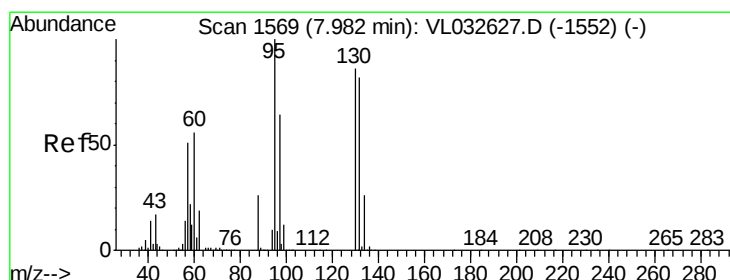
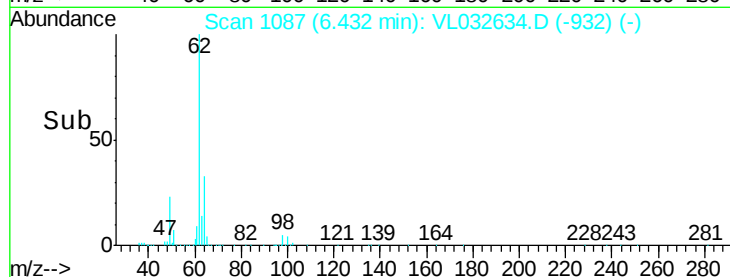
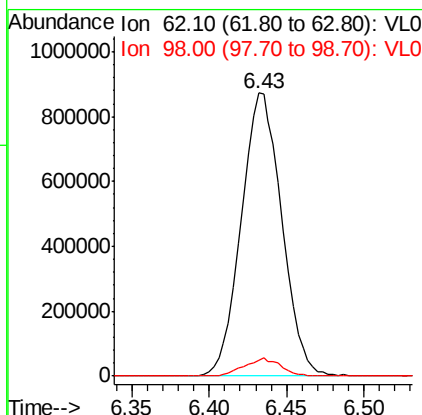
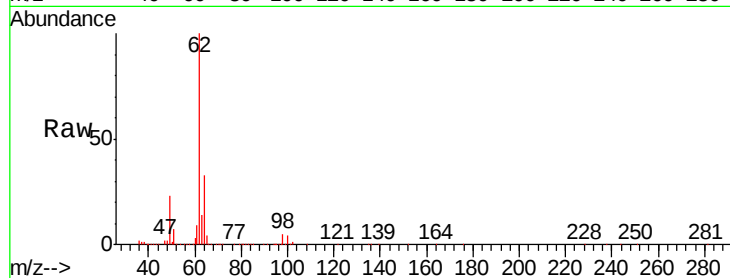
#37
1,2-Dichloroethane
Concen: 9.84 ppbv
RT: 6.43 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.4	6.6

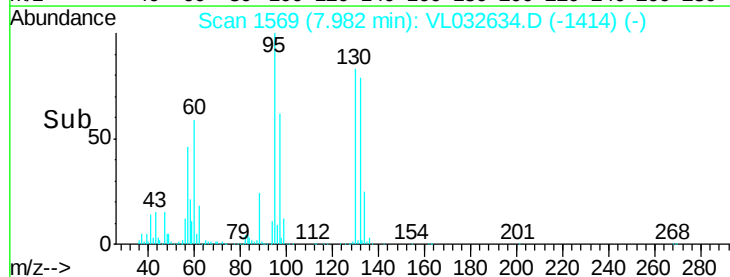
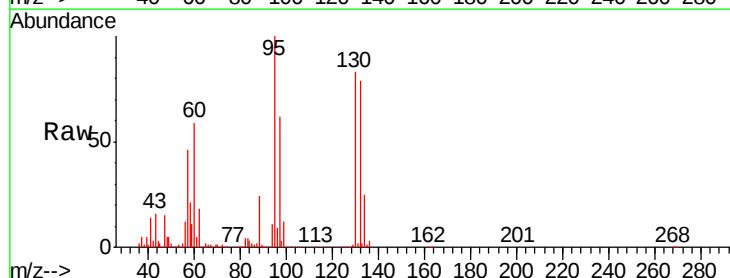
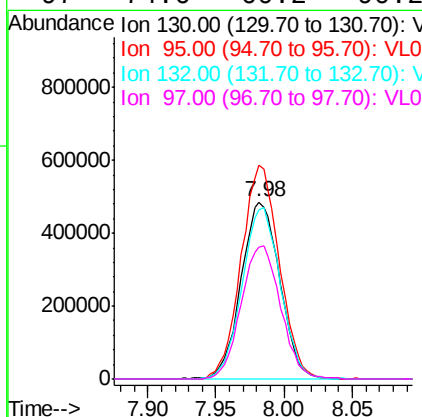
Manual Integrations
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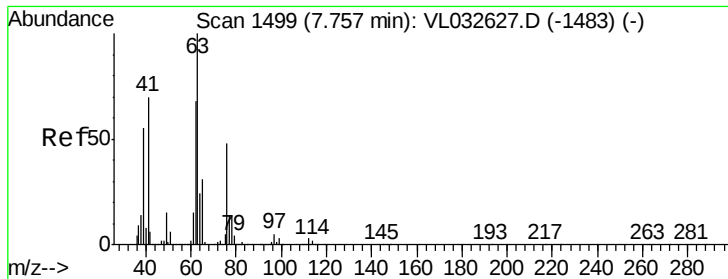
MMDadoda
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#38
Trichloroethene
Concen: 10.67 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.8	93.4	140.0
132	95.5	76.5	114.7
97	74.6	60.2	90.2





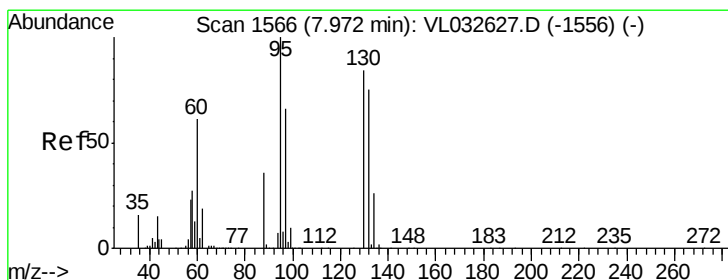
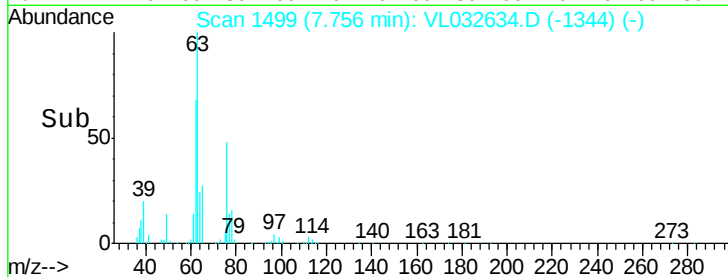
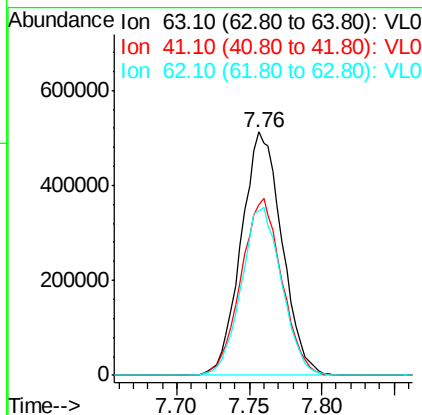
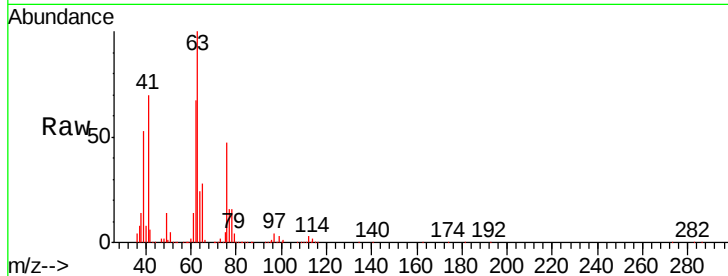
#39
 1,2-Dichloropropane
 Concen: 10.44 ppbv
 RT: 7.76 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion: 63 Resp: 1000932
 Ion Ratio Lower Upper
 63 100
 41 69.8 56.2 84.4
 62 67.3 54.4 81.6

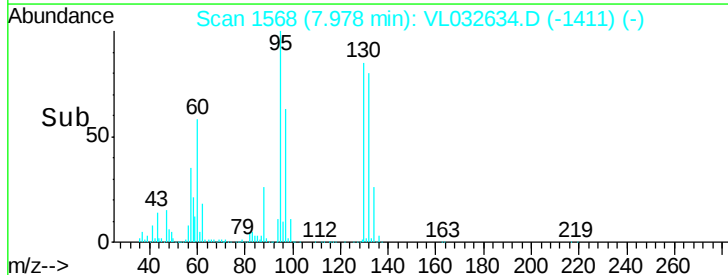
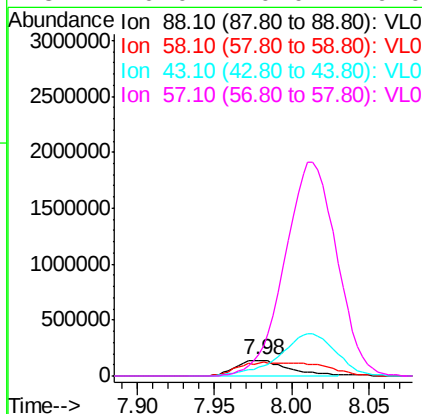
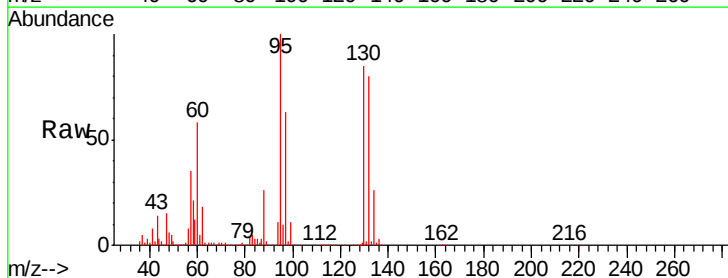
Manual Integrations
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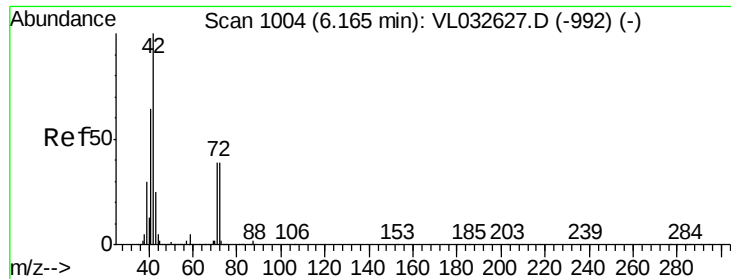
MMDadoda
 10/19/2018 4:36:31 PM



#40
 1,4-Dioxane
 Concen: 10.13 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion: 88 Resp: 335705
 Ion Ratio Lower Upper
 88 100
 58 140.7 104.0 156.0
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





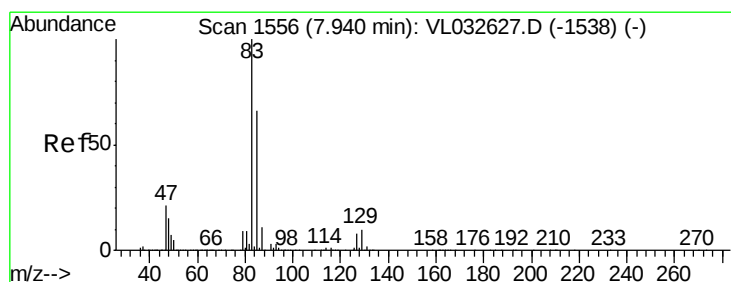
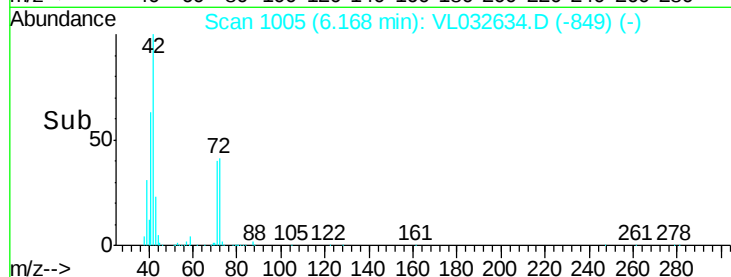
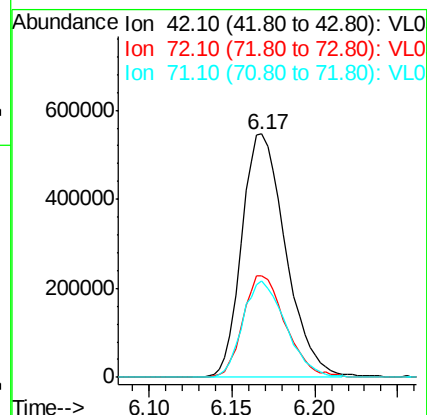
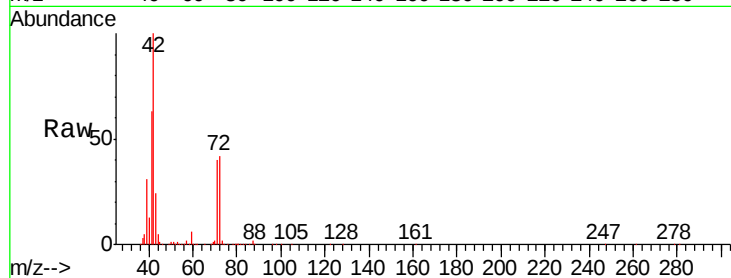
#41
Tetrahydrofuran
Concen: 11.75 ppbv
RT: 6.17 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 42 Resp: 1006364
Ion Ratio Lower Upper
42 100
72 40.8 32.4 48.6
71 39.2 31.3 46.9

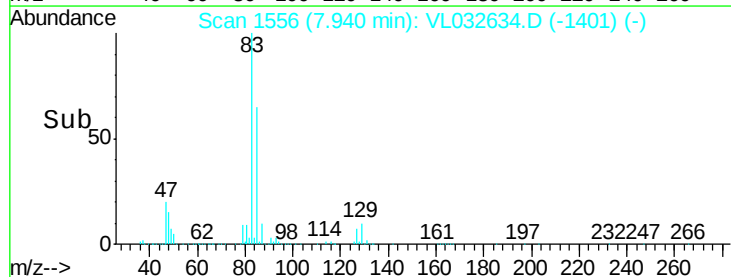
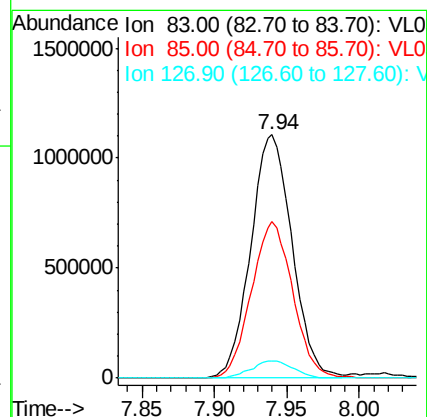
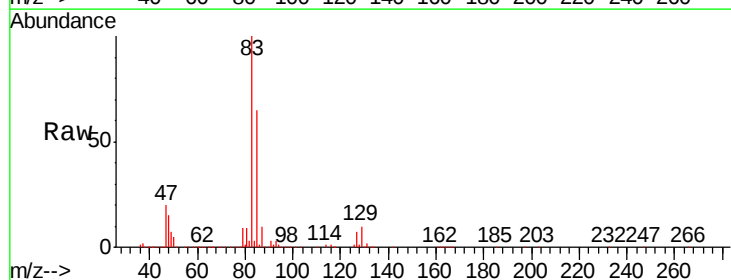
Manual Integrations
APPROVED

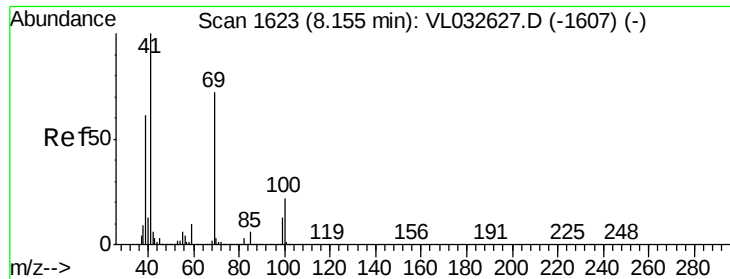
MMDadoda
10/19/2018 4:36:31 PM



#42
Bromodichloromethane
Concen: 9.98 ppbv
RT: 7.94 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 83 Resp: 2199688
Ion Ratio Lower Upper
83 100
85 64.5 52.4 78.6
127 7.0 6.1 9.1





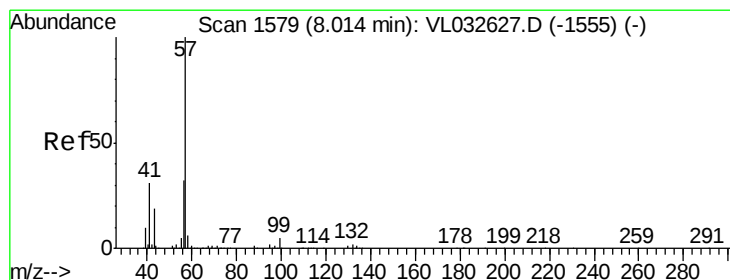
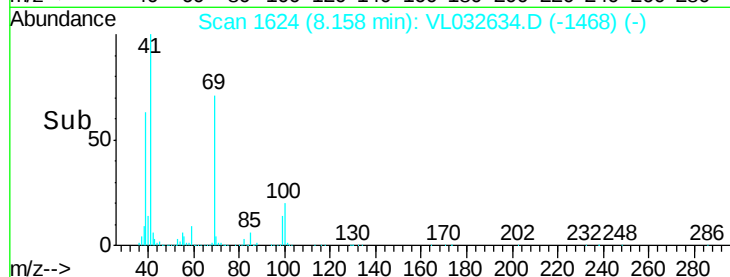
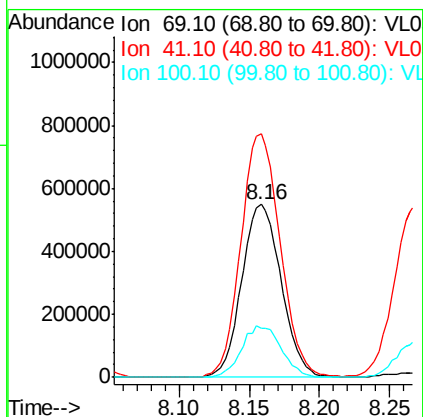
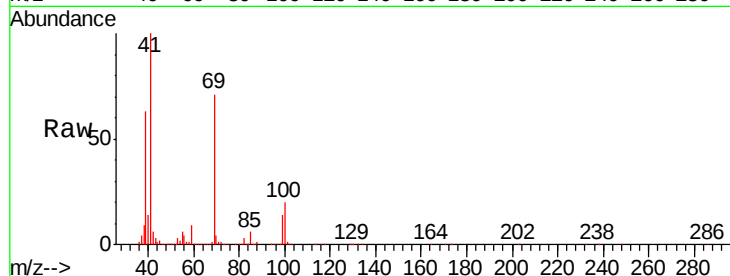
#43
Methyl Methacrylate
Concen: 11.78 ppbv
RT: 8.16 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 69 Resp: 1076452
Ion Ratio Lower Upper
69 100
41 140.5 113.2 169.8
100 29.9 24.4 36.6

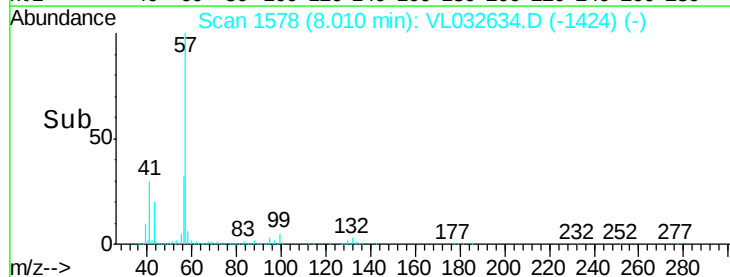
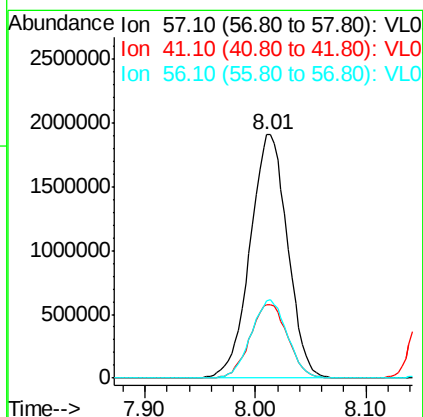
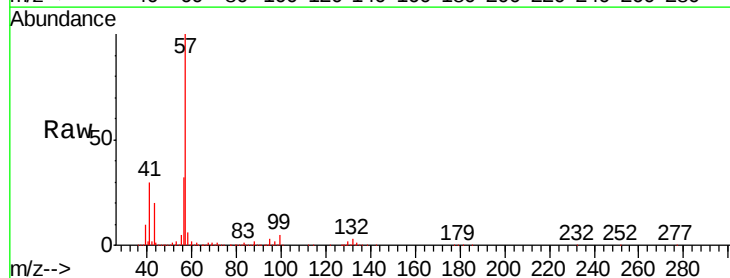
Manual Integrations
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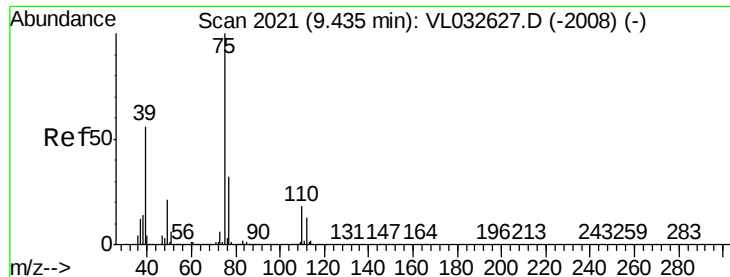
MMDadoda
10/19/2018 4:36:31 PM



#44
2,2,4-Trimethylpentane
Concen: 10.72 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 57 Resp: 4478210
Ion Ratio Lower Upper
57 100
41 30.5 24.7 37.1
56 31.2 25.0 37.4





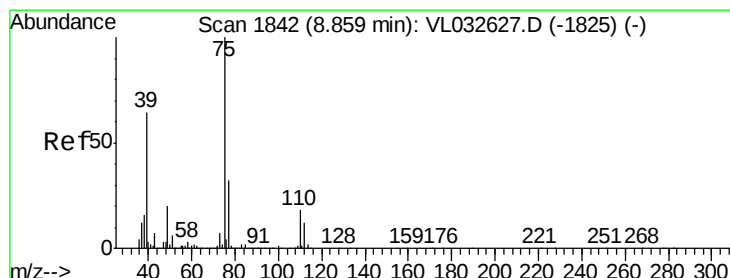
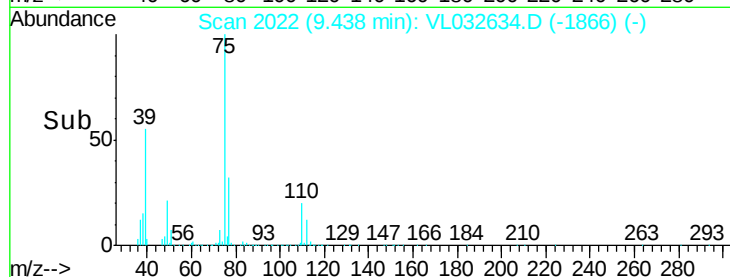
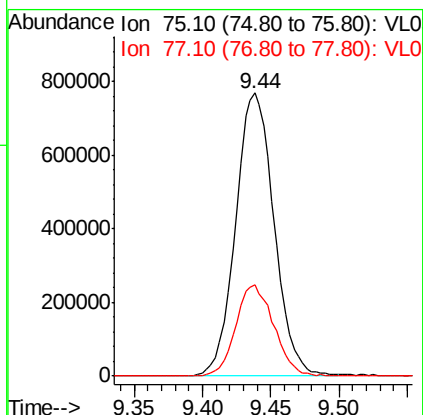
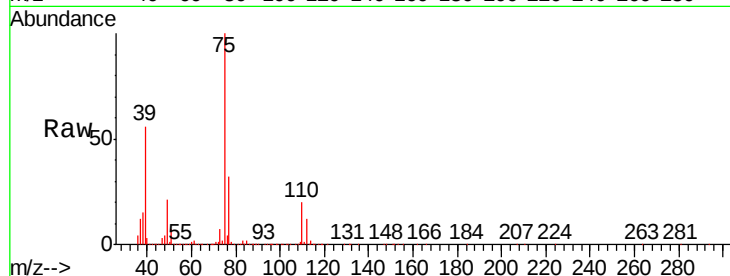
#45
t-1,3-Dichloropropene
Concen: 12.55 ppbv
RT: 9.44 min Scan# 2022
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 75 Resp: 1500099
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9

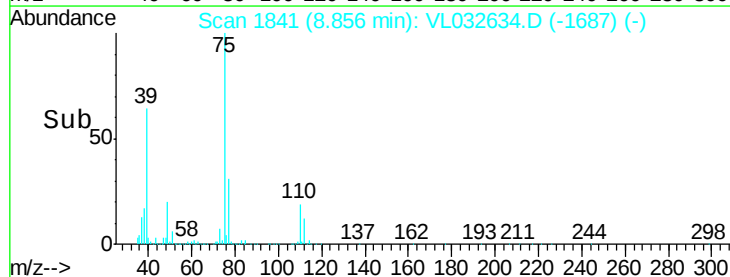
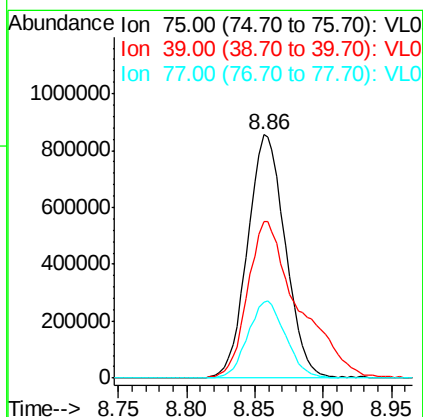
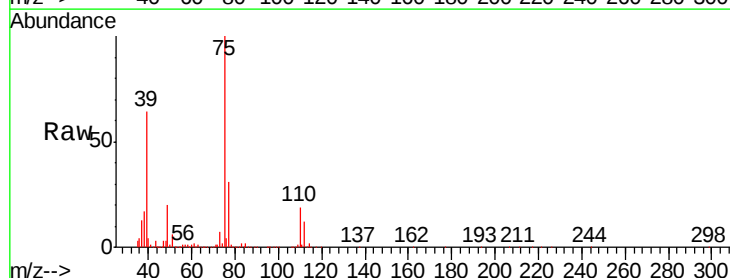
Manual Integrations
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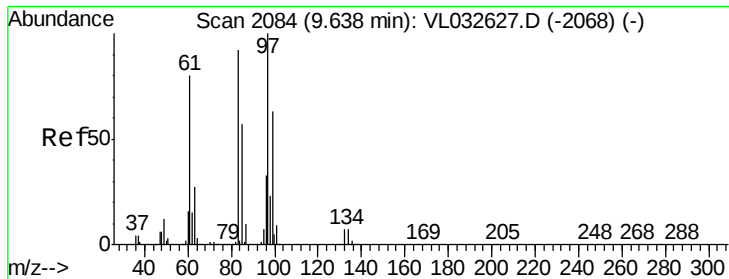
MMDadoda
10/19/2018 4:36:31 PM



#46
cis-1,3-Dichloropropene
Concen: 12.04 ppbv
RT: 8.86 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 75 Resp: 1637478
Ion Ratio Lower Upper
75 100
39 64.1 50.9 76.3
77 31.3 25.8 38.6





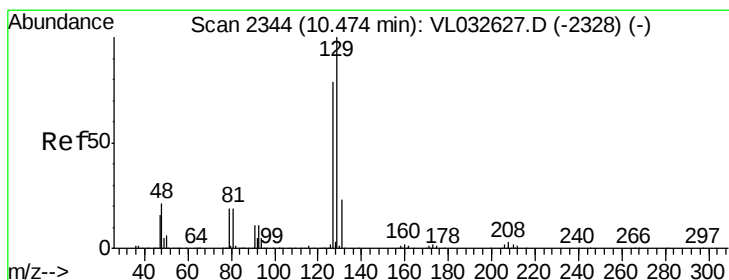
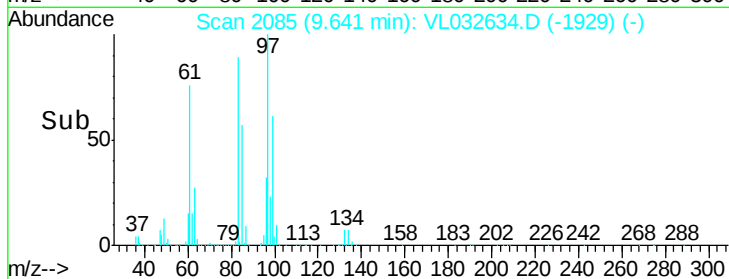
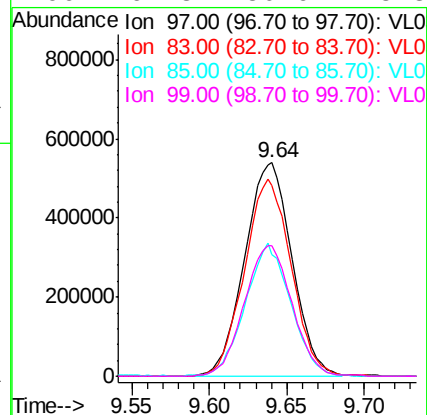
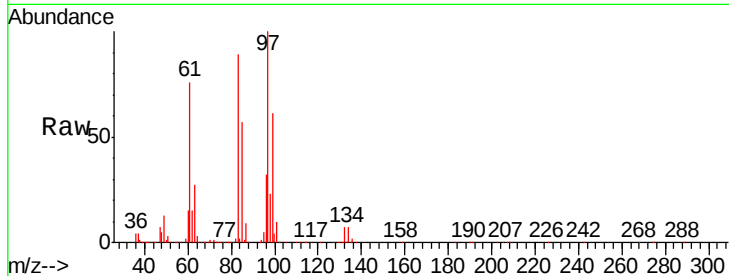
#47
 1,1,2-Trichloroethane
 Concen: 9.95 ppbv
 RT: 9.64 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion: 97 Resp: 1140352
 Ion Ratio Lower Upper
 97 100
 83 89.4 73.5 110.3
 85 56.5 45.8 68.6
 99 61.3 50.6 75.8

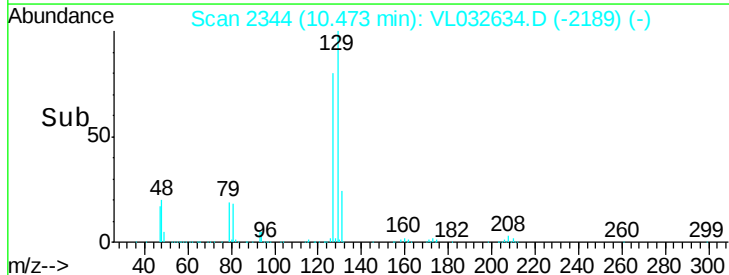
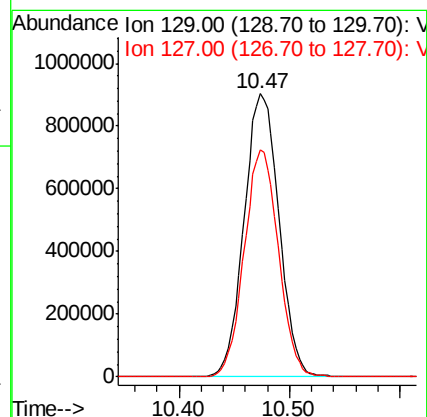
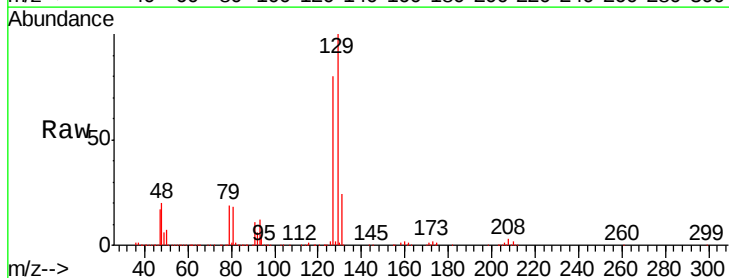
Manual Integrations
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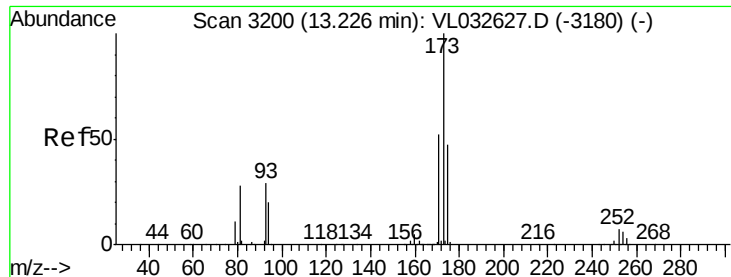
MMDadoda
 10/19/2018 4:36:31 PM



#48
 Dibromochloromethane
 Concen: 10.19 ppbv
 RT: 10.47 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion: 129 Resp: 1982759
 Ion Ratio Lower Upper
 129 100
 127 78.8 39.1 117.5





#49

Bromoform

Concen: 10.20 ppbv

RT: 13.23 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion:173 Resp: 1499965

Ion Ratio Lower Upper

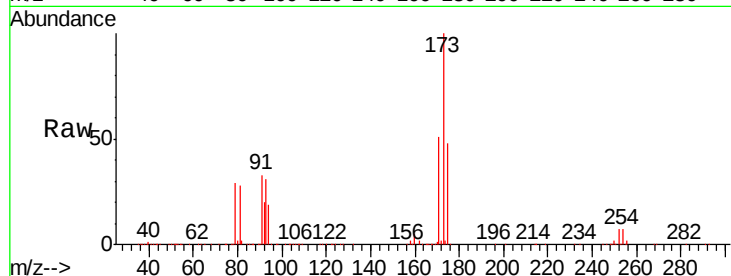
173 100

175 48.7 39.0 58.4

171 52.5 42.2 63.2

Manual Integrations
APPROVED

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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

13.23

800000

600000

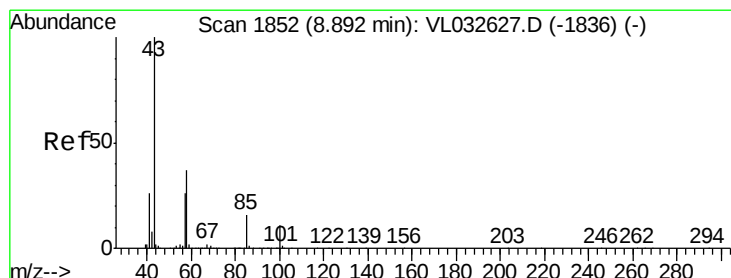
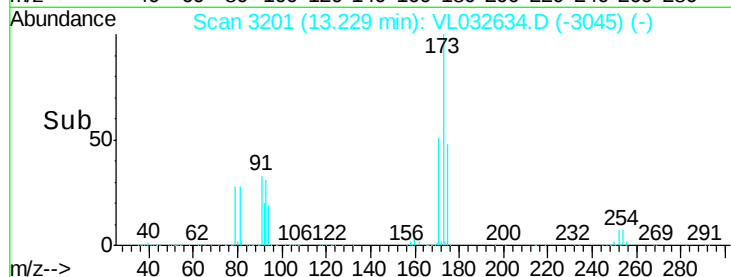
400000

200000

0

13.20 13.30

Time-->



#50

4-Methyl-2-Pentanone

Concen: 10.92 ppbv

RT: 8.89 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL032634.D

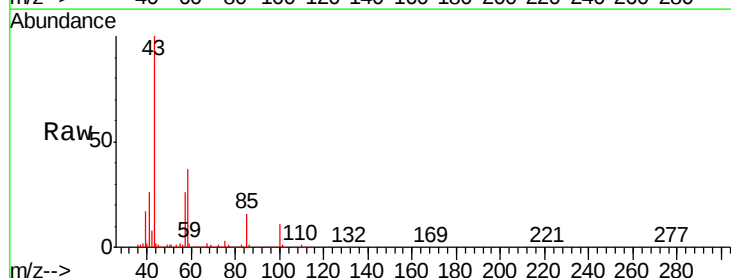
Acq: 17 Oct 2018 7:15

Tgt Ion: 43 Resp: 2594406

Ion Ratio Lower Upper

43 100

58 37.8 29.7 44.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

8.89

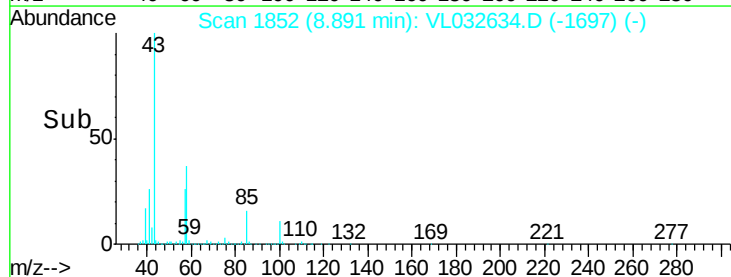
1000000

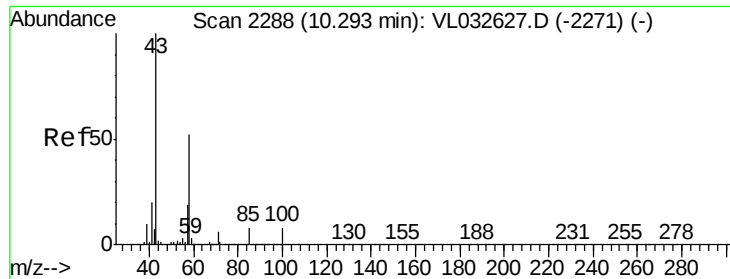
500000

0

8.80 8.90 9.00

Time-->





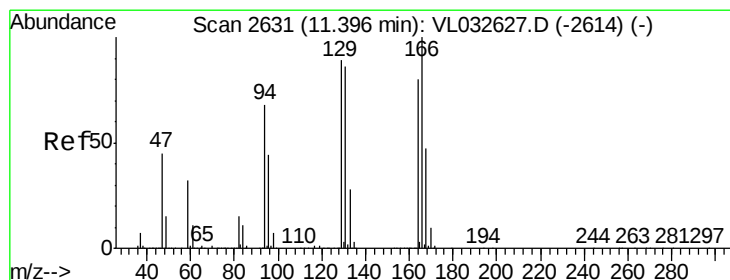
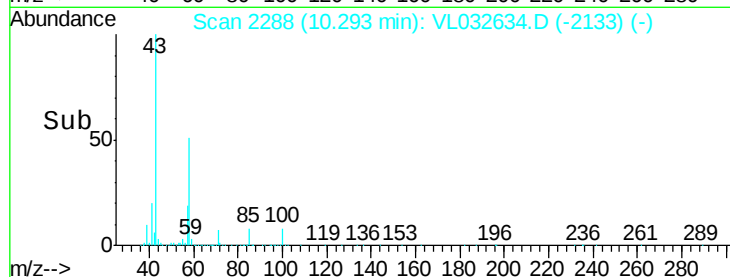
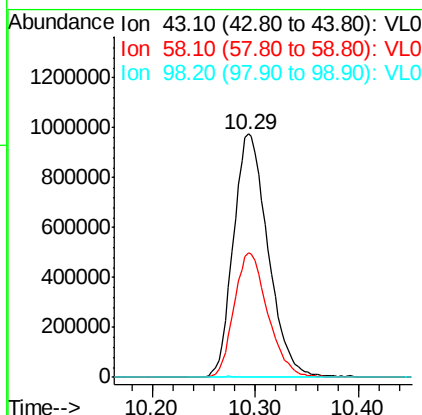
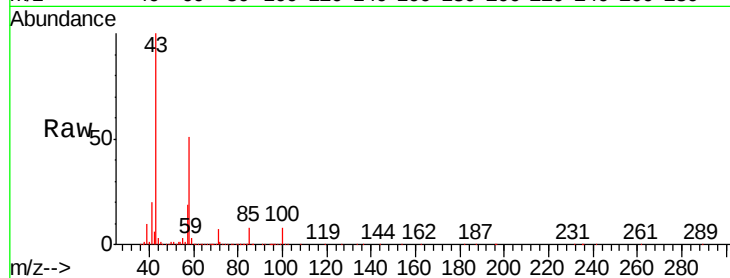
#51
2-Hexanone
Concen: 12.21 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 43 Resp: 2280193
Ion Ratio Lower Upper
43 100
58 50.1 40.4 60.6
98 0.4 0.4 0.6

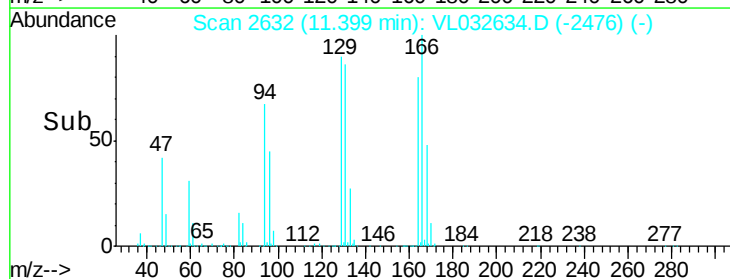
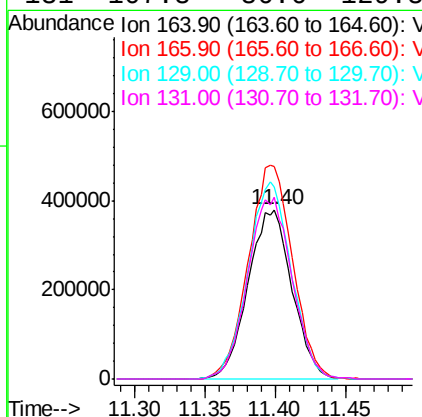
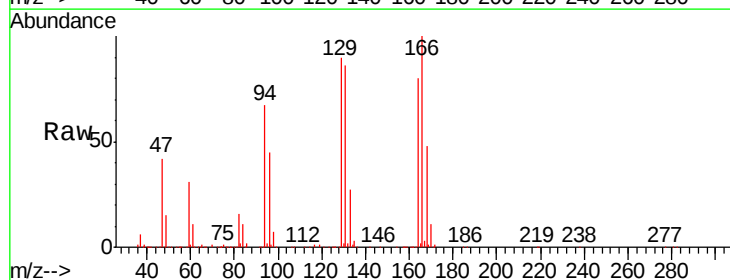
Manual Integrations
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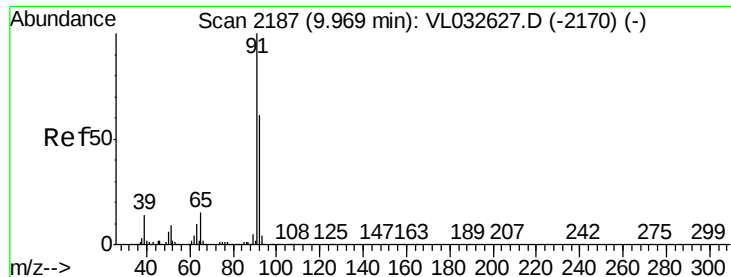
MMDadoda
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#52
Tetrachloroethene
Concen: 10.62 ppbv
RT: 11.40 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 164 Resp: 823909
Ion Ratio Lower Upper
164 100
166 125.3 100.5 150.7
129 113.1 90.0 135.0
131 107.8 86.6 129.8





#53

Toluene

Concen: 11.92 ppbv

RT: 9.97 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 91 Resp: 3202492

Ion Ratio Lower Upper

91 100

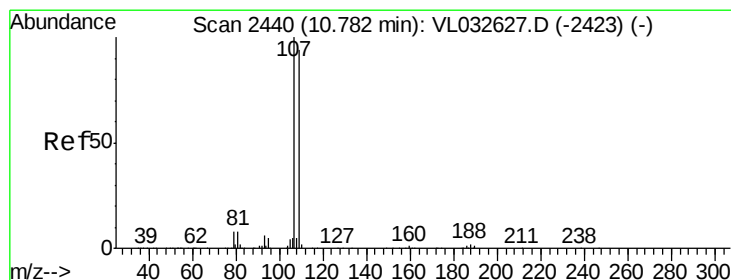
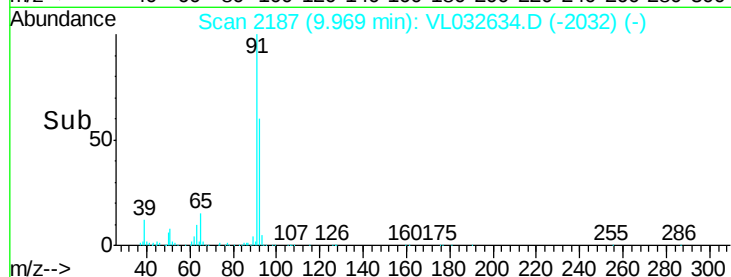
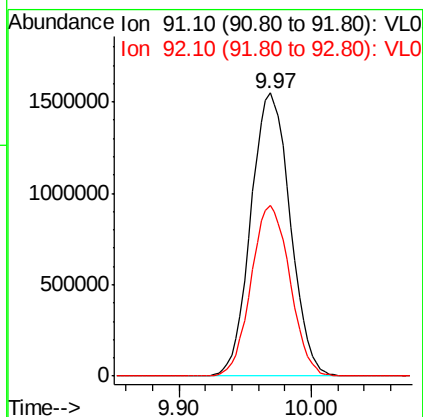
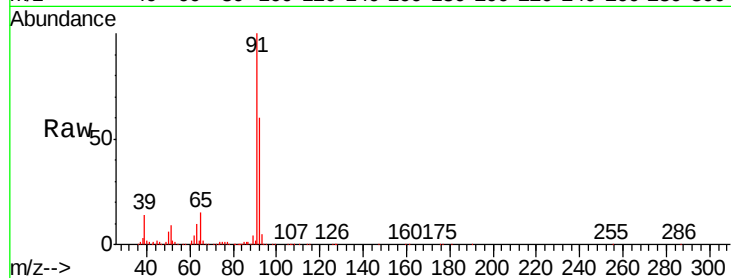
92 59.9 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 10.81 ppbv

RT: 10.79 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL032634.D

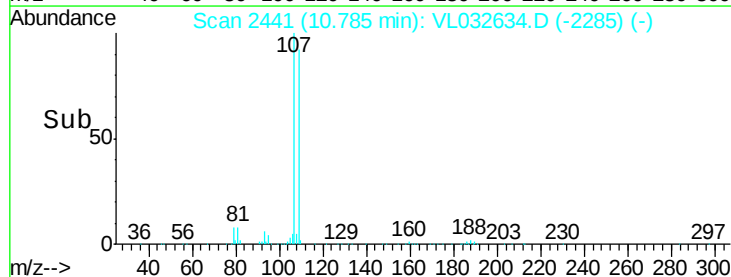
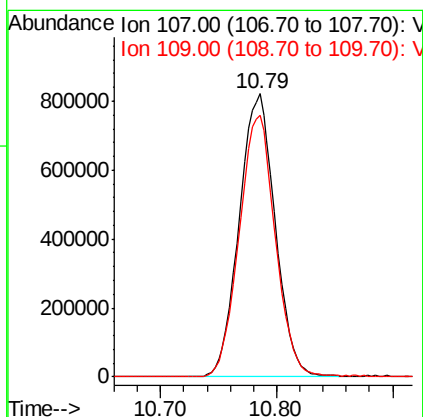
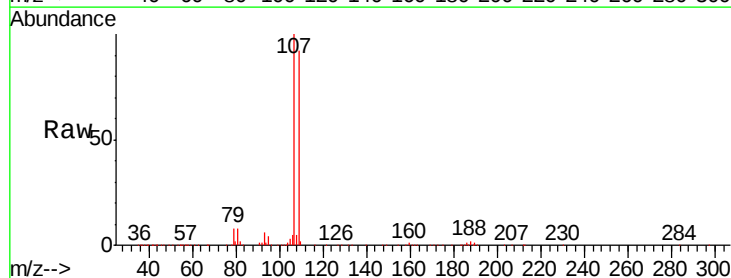
Acq: 17 Oct 2018 7:15

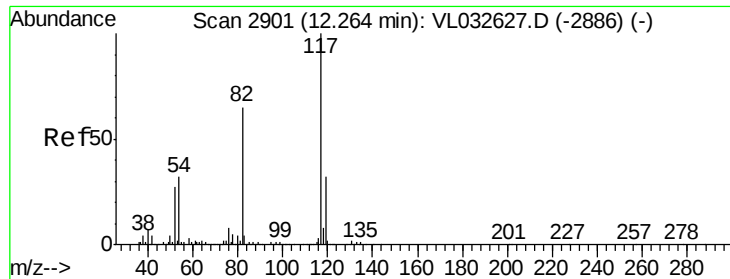
Tgt Ion: 107 Resp: 1772990

Ion Ratio Lower Upper

107 100

109 92.5 75.3 112.9





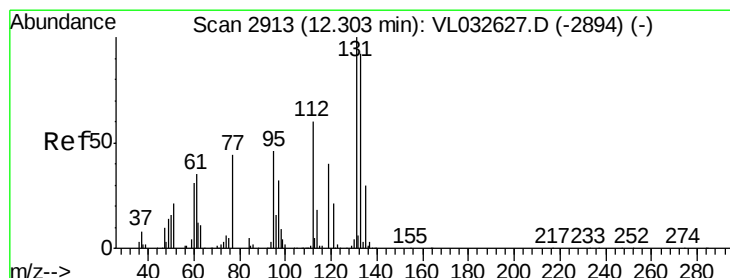
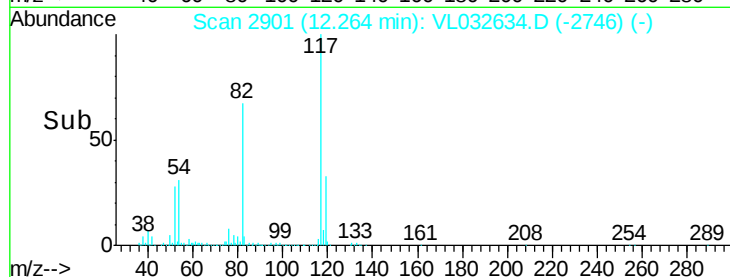
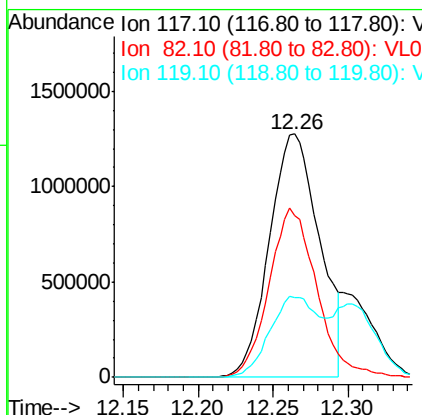
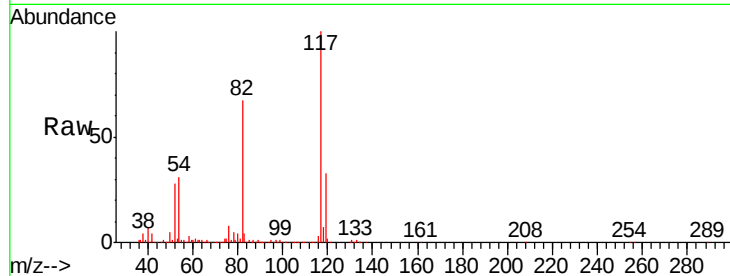
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.26 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:117 Resp: 2964594
Ion Ratio Lower Upper
117 100
82 66.7 52.7 79.1
119 31.8 26.7 40.1

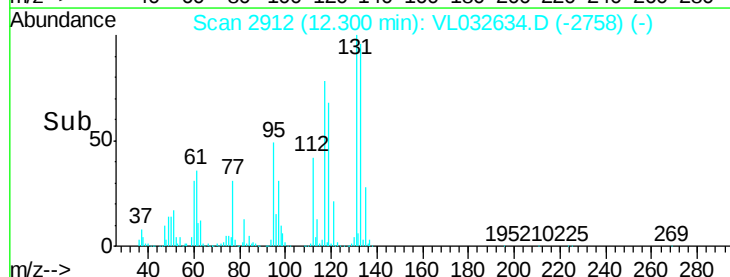
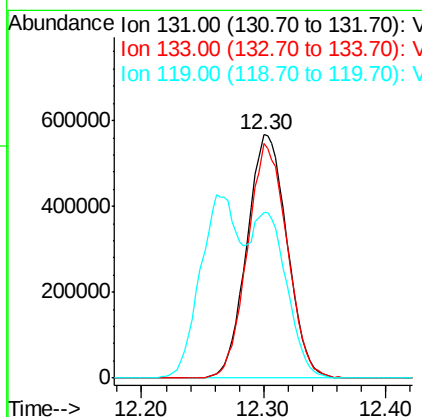
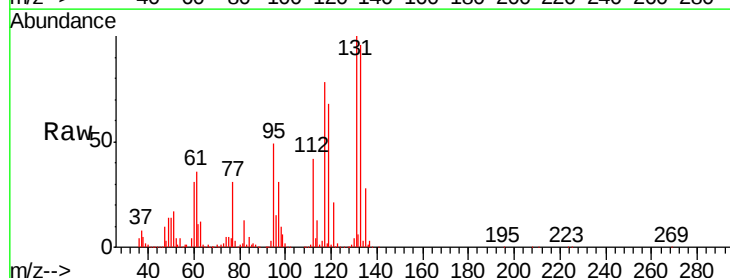
Manual Integrations
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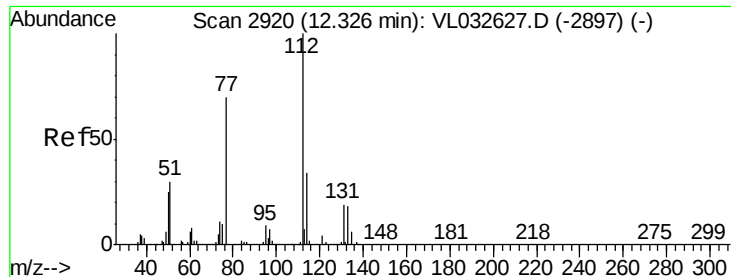
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.49 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:131 Resp: 1292509
Ion Ratio Lower Upper
131 100
133 95.4 75.4 113.2
119 62.9 49.1 73.7





#57

Chlorobenzene

Concen: 9.85 ppbv

RT: 12.33 min Scan# 2920

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 112 Resp: 2219793

Ion Ratio Lower Upper

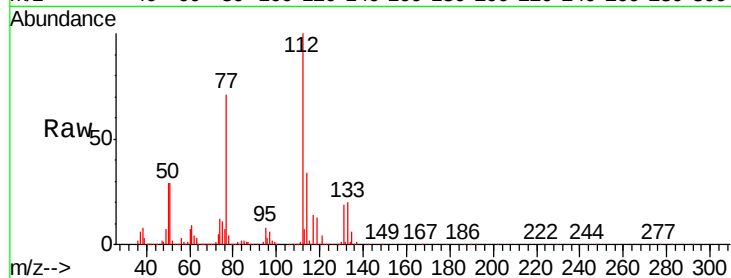
112 100

77 71.0 56.8 85.2

114 33.5 30.3 37.1

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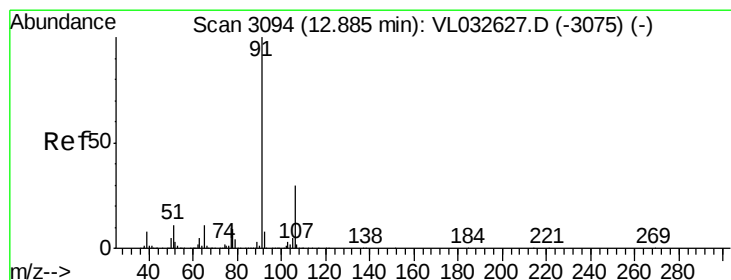
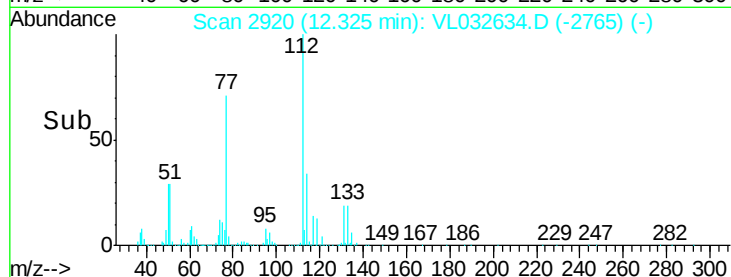
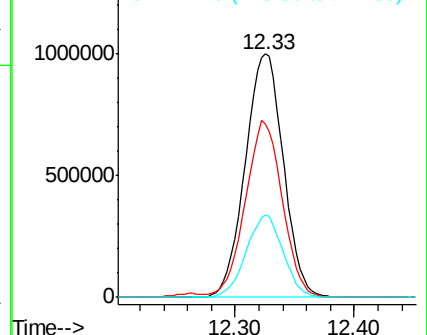
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.95 ppbv

RT: 12.89 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VL032634.D

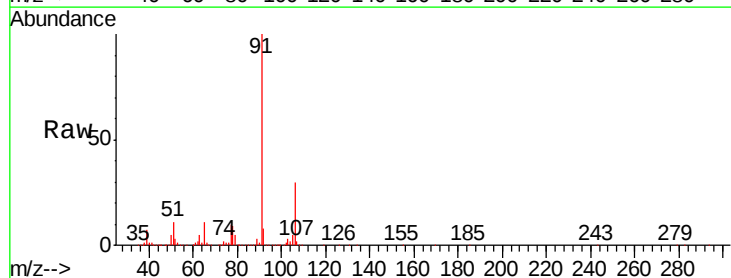
Acq: 17 Oct 2018 7:15

Tgt Ion: 91 Resp: 3978231

Ion Ratio Lower Upper

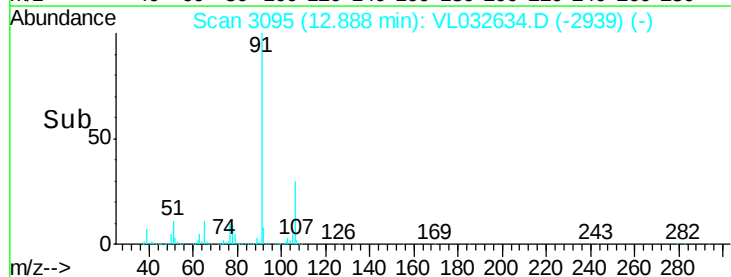
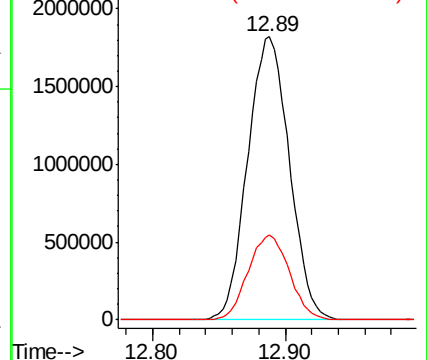
91 100

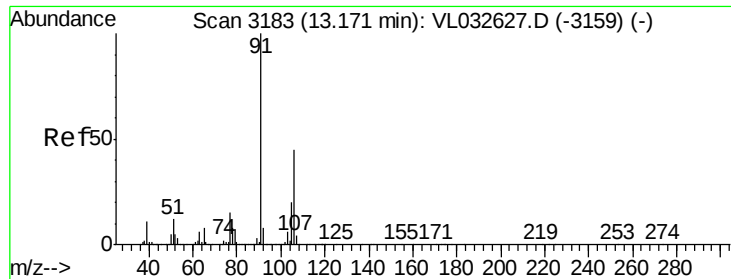
106 30.0 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





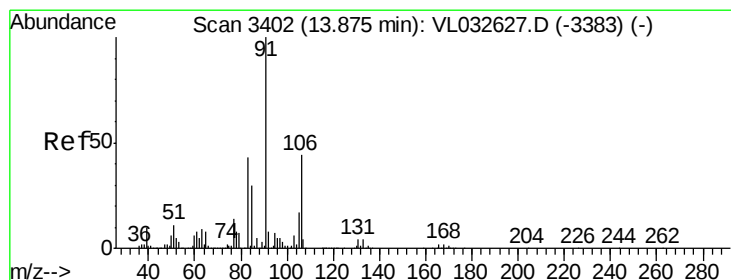
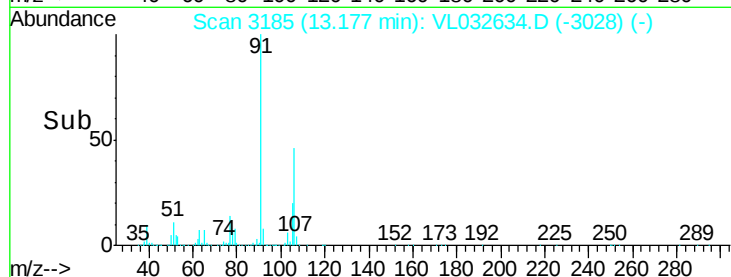
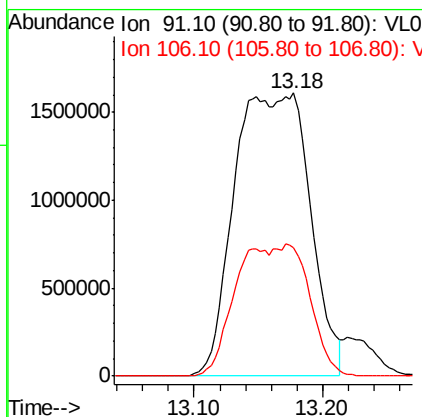
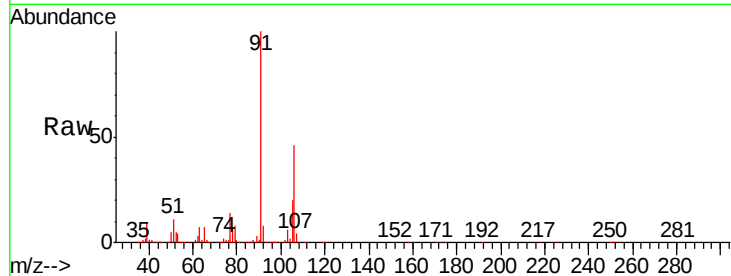
#59
m/p-Xylene
Concen: 22.01 ppbv m
RT: 13.18 min Scan# 3185
Delta R.T. 0.01 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 91 Resp: 6540859
Ion Ratio Lower Upper
91 100
106 45.4 35.9 53.9

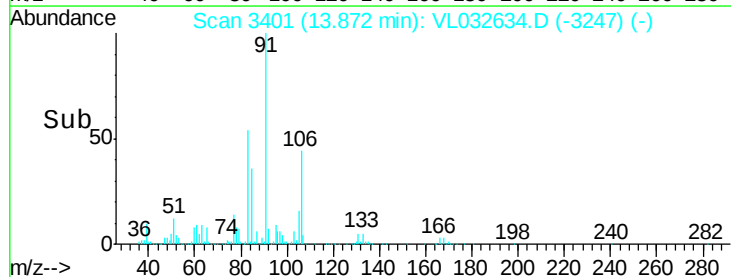
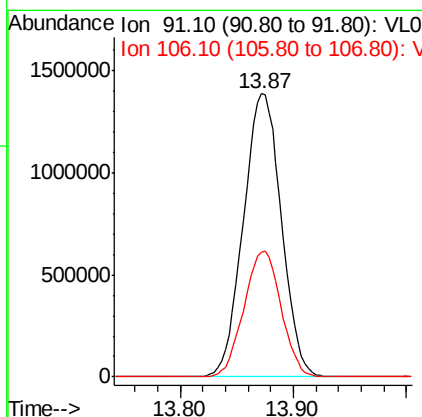
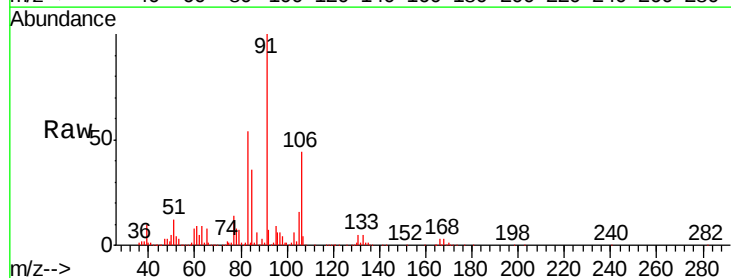
Manual Integrations
APPROVED

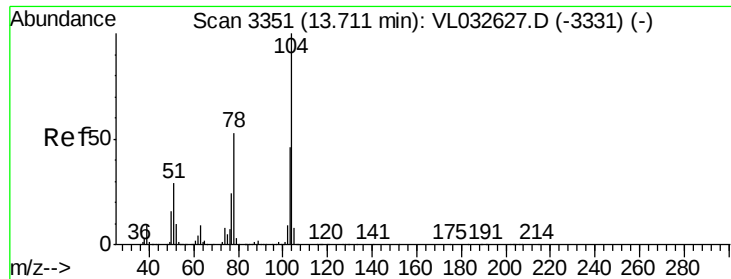
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#60
o-Xylene
Concen: 10.93 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 91 Resp: 3235802
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.1





#61

Styrene

Concen: 12.94 ppbv

RT: 13.71 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion:104 Resp: 2321702

Ion Ratio Lower Upper

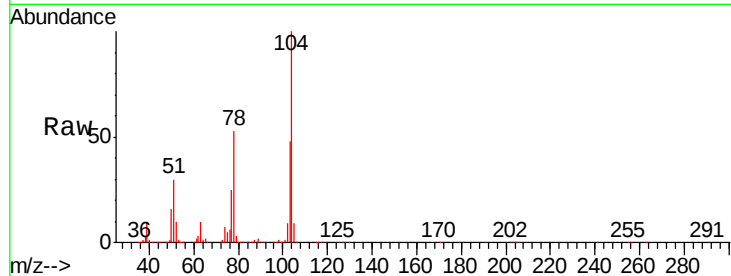
104 100

78 53.5 42.8 64.2

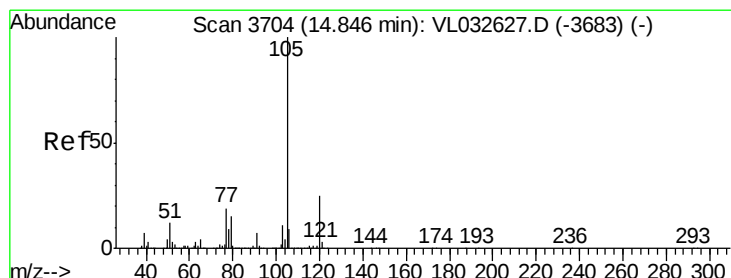
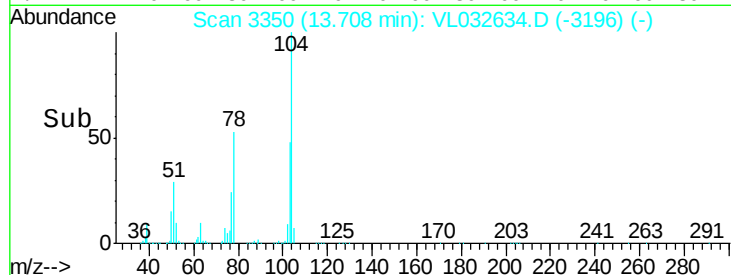
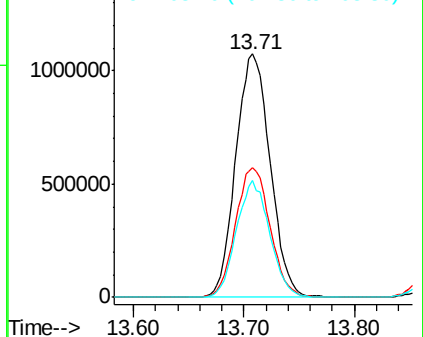
103 46.6 37.4 56.0

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Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.75 ppbv

RT: 14.85 min Scan# 3705

Delta R.T. 0.00 min

Lab File: VL032634.D

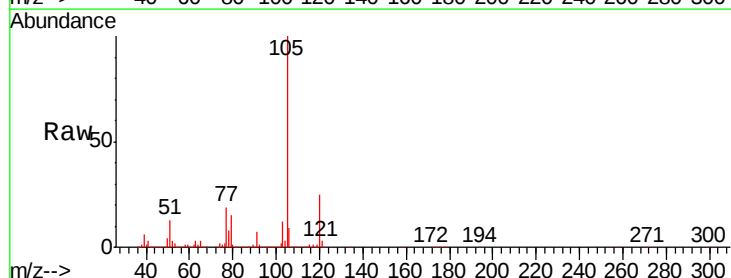
Acq: 17 Oct 2018 7:15

Tgt Ion:105 Resp: 4533573

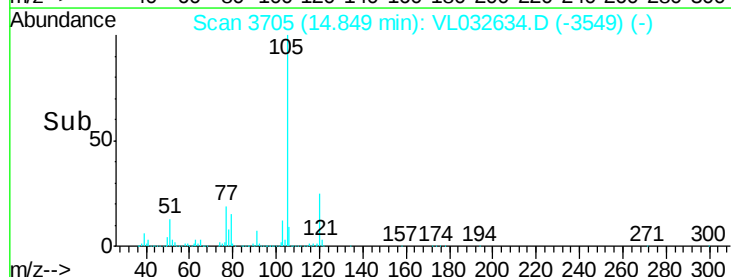
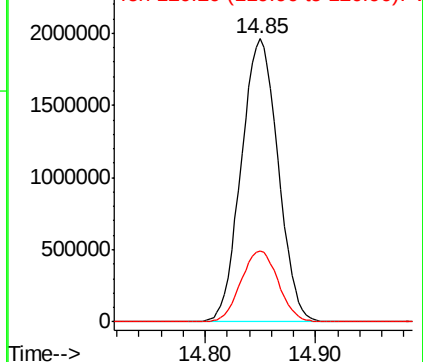
Ion Ratio Lower Upper

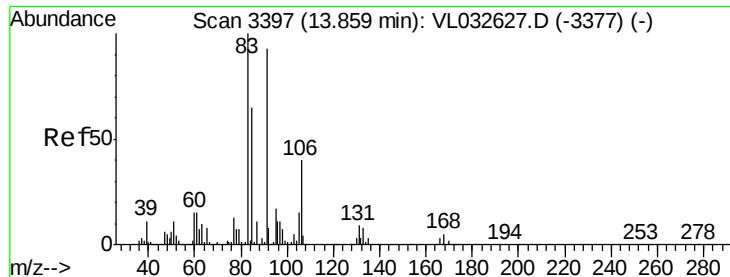
105 100

120 25.4 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





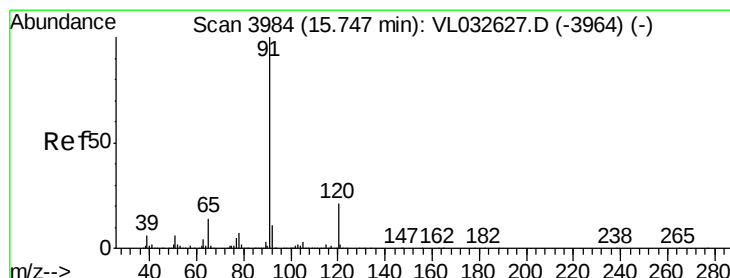
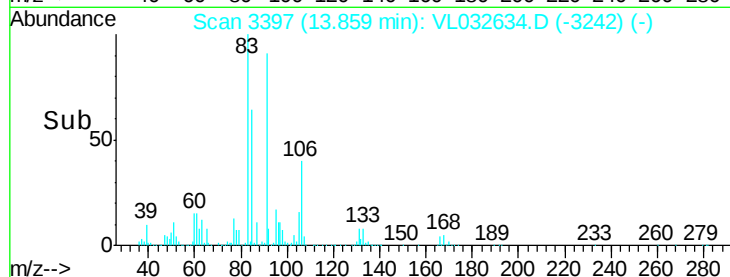
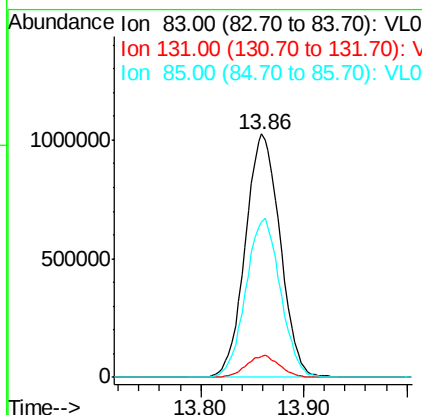
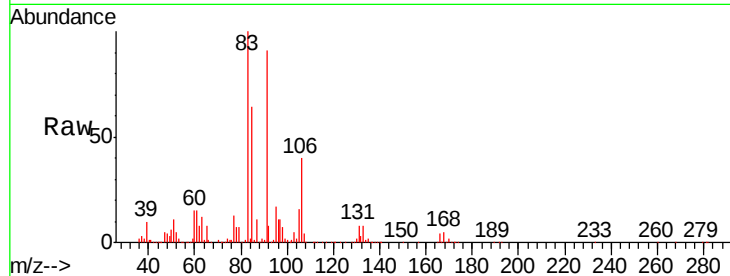
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.19 ppbv
 RT: 13.86 min Scan# 3397
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.3	12.9
85	65.2	32.3	96.9

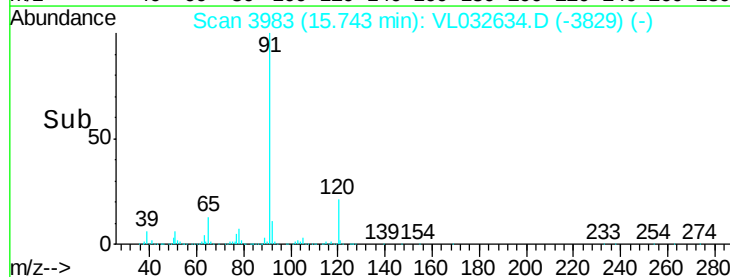
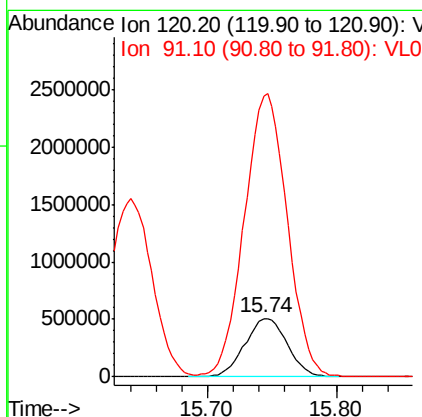
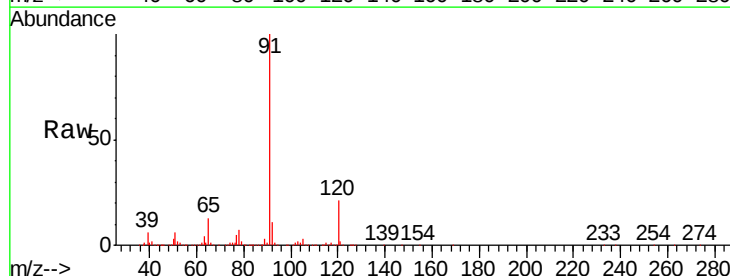
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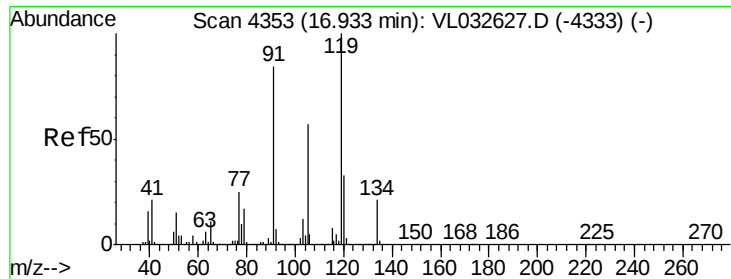
MMDadoda
 10/19/2018 4:36:31 PM



#64
 n-propylbenzene
 Concen: 10.90 ppbv
 RT: 15.74 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion	Ratio	Lower	Upper
120	100		
91	490.4	390.2	585.2





#65

tert-Butylbenzene

Concen: 10.74 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

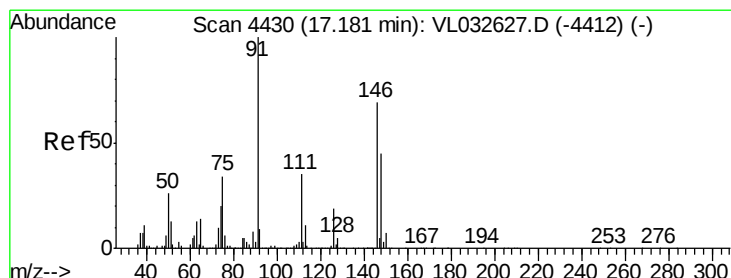
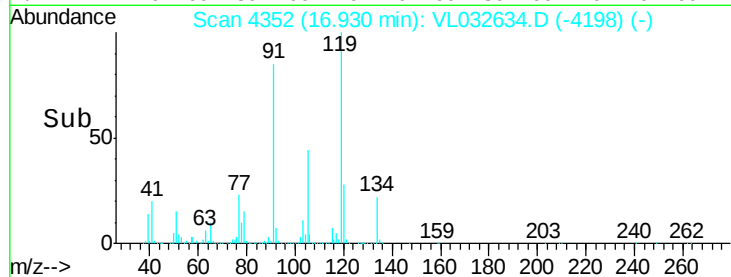
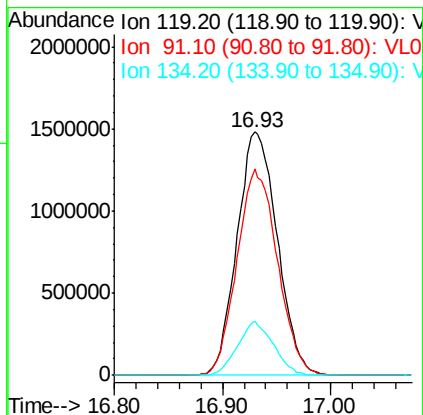
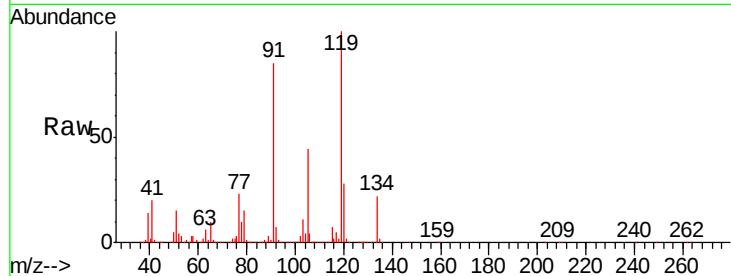
ICVVL101718

Tgt Ion: 119 Resp: 3845191

Ion	Ratio	Lower	Upper
119	100		
91	85.3	67.8	101.8
134	19.8	15.8	23.8

Manual Integrations
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#66

Benzyl Chloride

Concen: 11.41 ppbv

RT: 17.18 min Scan# 4429

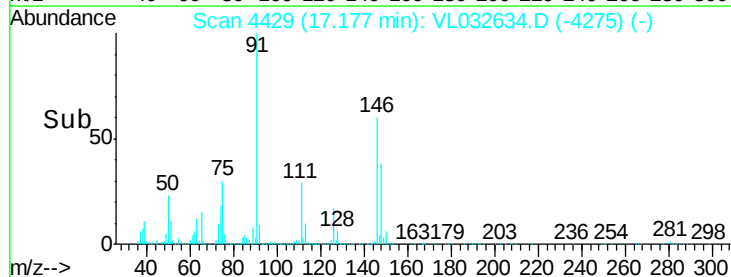
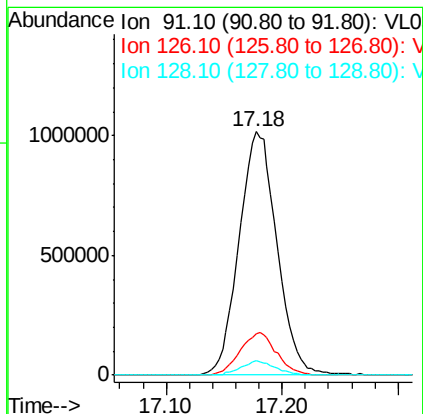
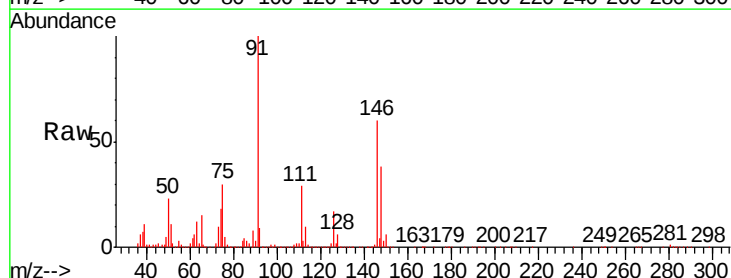
Delta R.T. -0.00 min

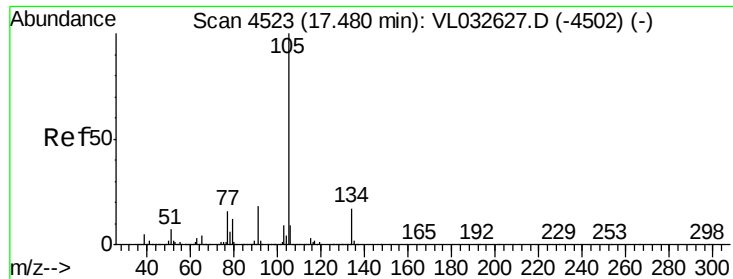
Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Tgt Ion: 91 Resp: 2302791

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.9	20.9
128	5.4	4.3	6.5





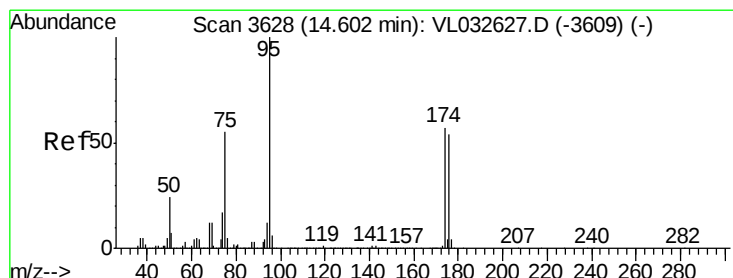
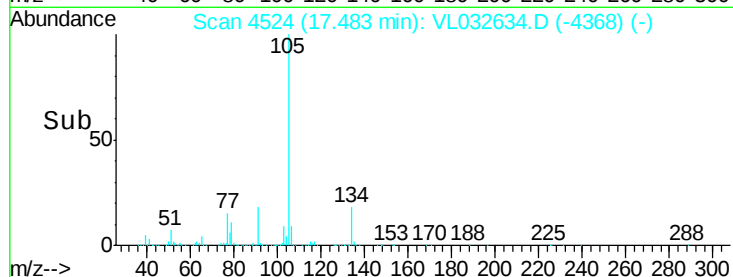
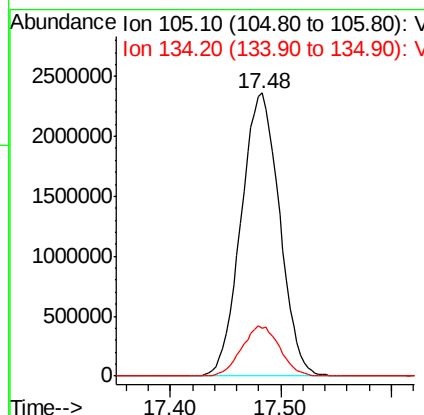
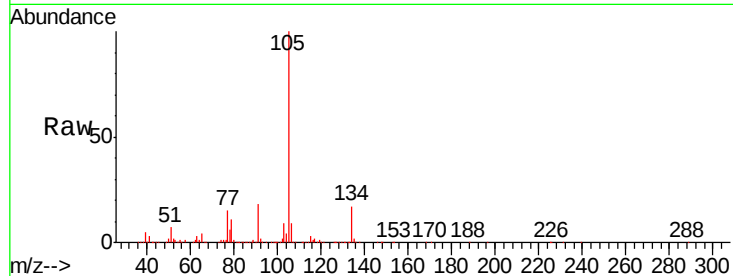
#67
 sec-Butylbenzene
 Concen: 10.59 ppbv
 RT: 17.48 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion: 105 Resp: 5707625
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.2

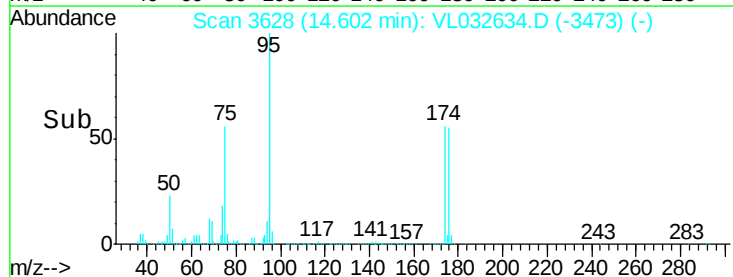
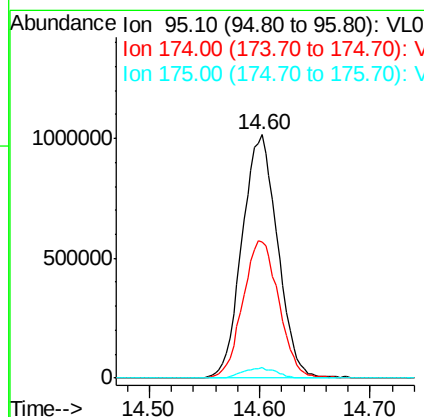
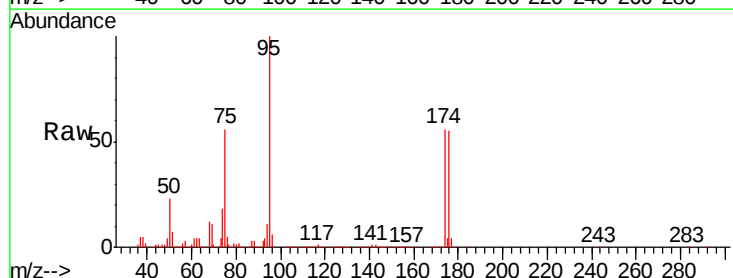
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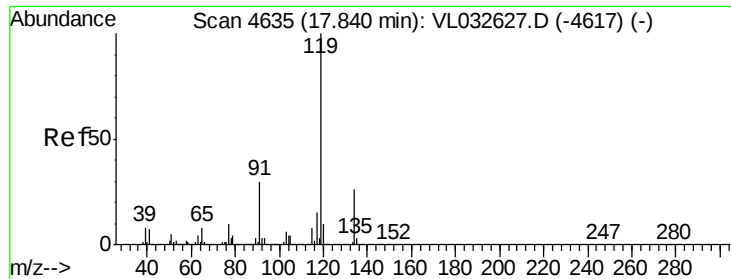
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.14 ppbv
 RT: 14.60 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion: 95 Resp: 2264330
 Ion Ratio Lower Upper
 95 100
 174 57.8 46.0 69.0
 175 4.1 3.4 5.0





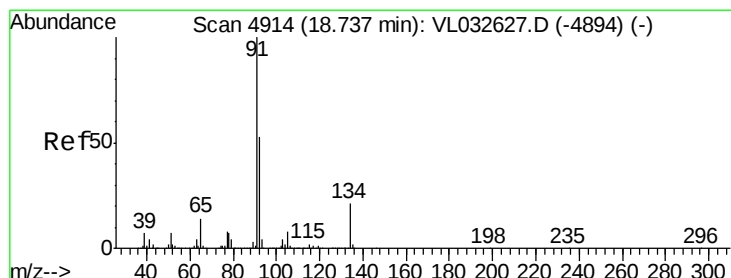
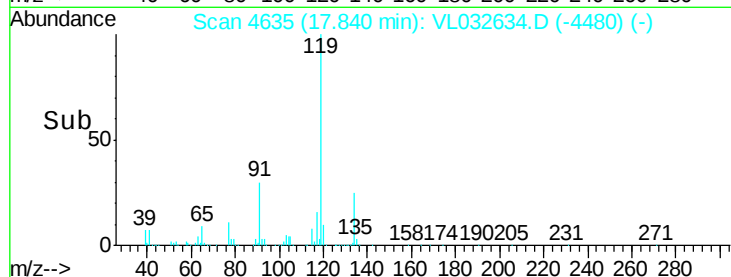
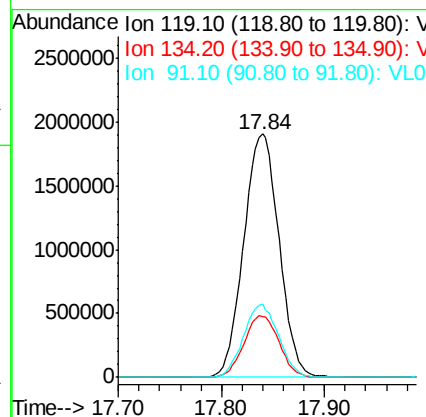
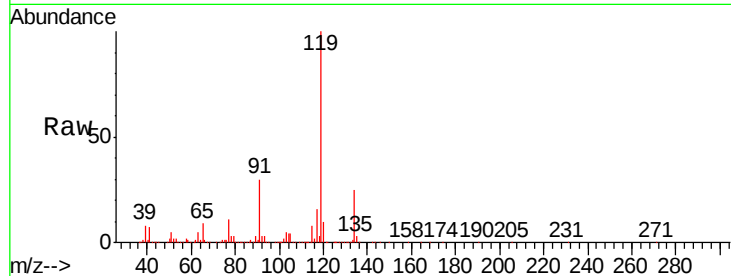
#69
p-Isopropyltoluene
Concen: 11.11 ppbv
RT: 17.84 min Scan# 4635
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	29.8	24.0	36.0

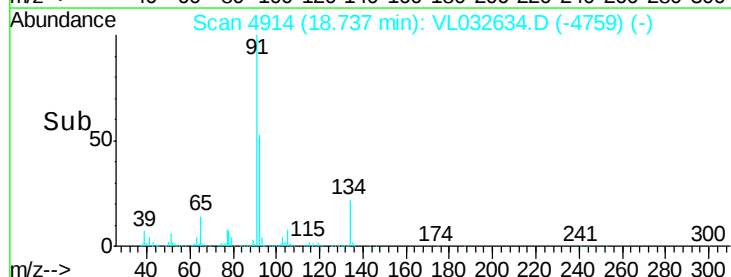
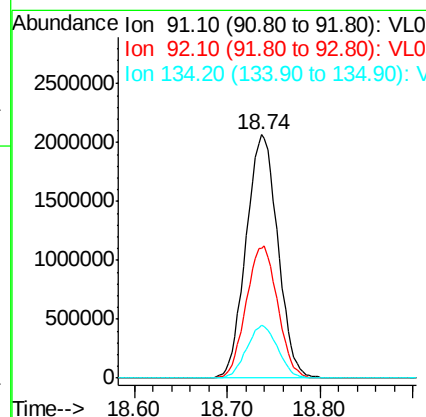
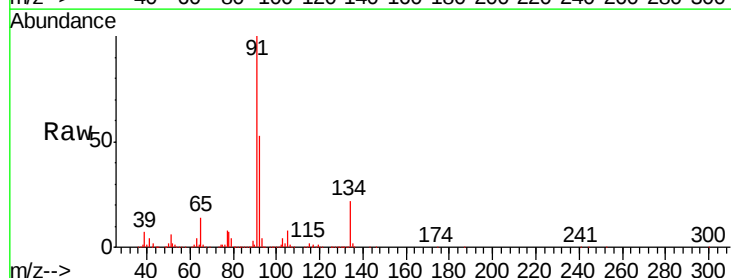
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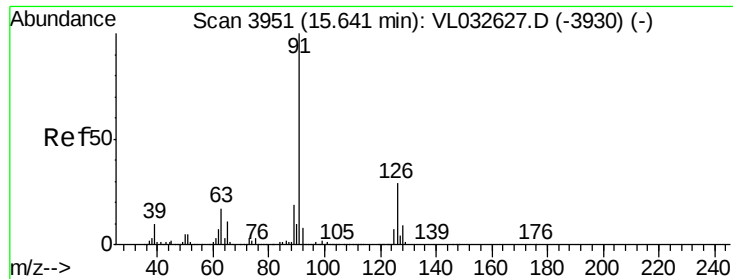
MMDadoda
10/19/2018 4:36:31 PM



#70
n-Butylbenzene
Concen: 10.93 ppbv
RT: 18.74 min Scan# 4914
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.0	64.4
134	21.2	17.0	25.6





#71

2-Chlorotoluene

Concen: 11.44 ppbv

RT: 15.64 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101718

Tgt Ion: 91 Resp: 3569363

Ion Ratio Lower Upper

91 100

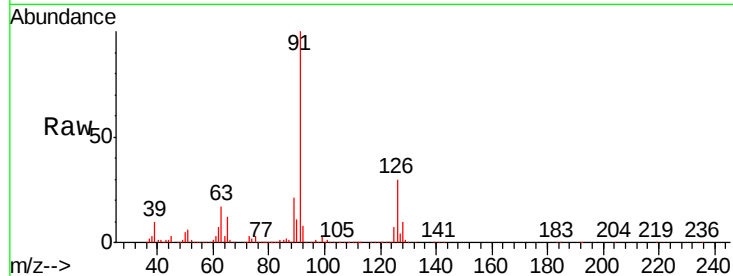
126 29.2 11.8 47.4

Manual Integrations

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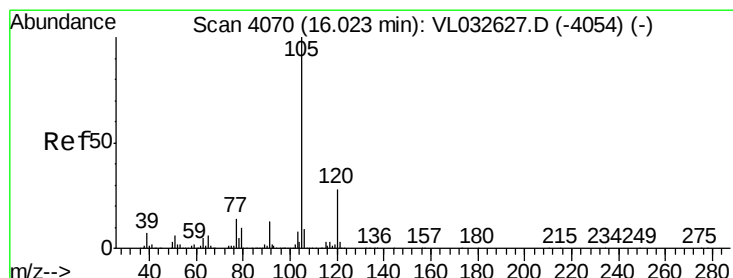
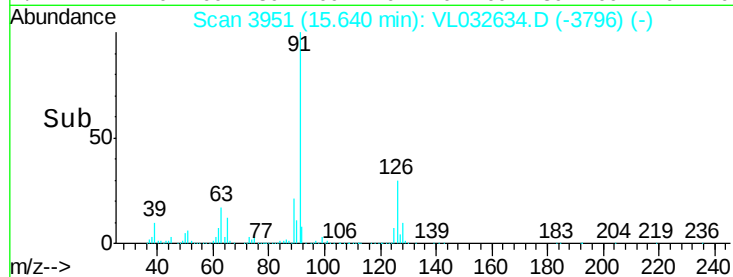
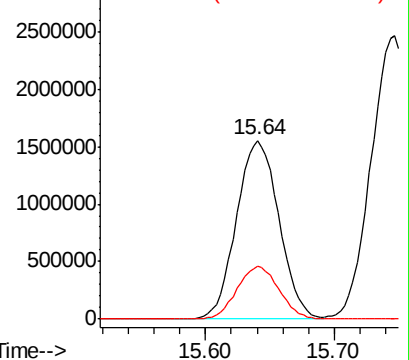
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.64 ppbv

RT: 16.02 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Tgt Ion:105 Resp: 3725408

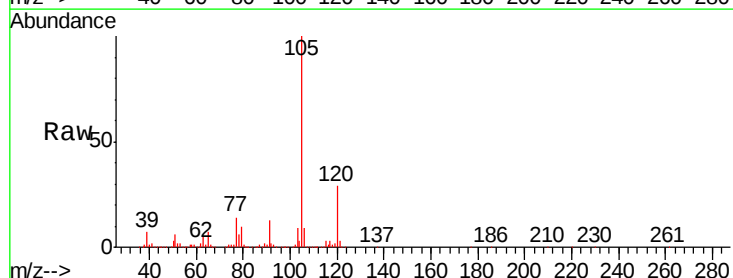
Ion Ratio Lower Upper

105 100

120 28.6 23.7 35.5

91 12.8 10.4 15.6

77 14.2 11.4 17.2

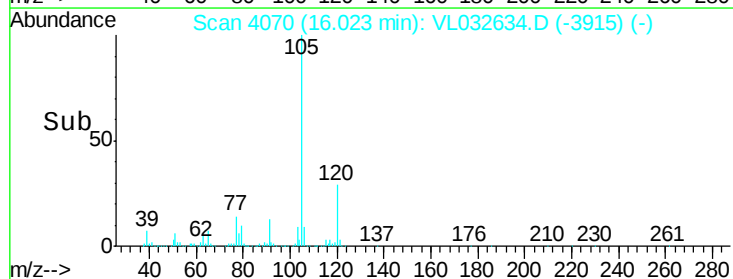
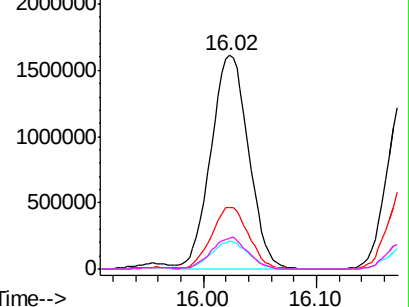


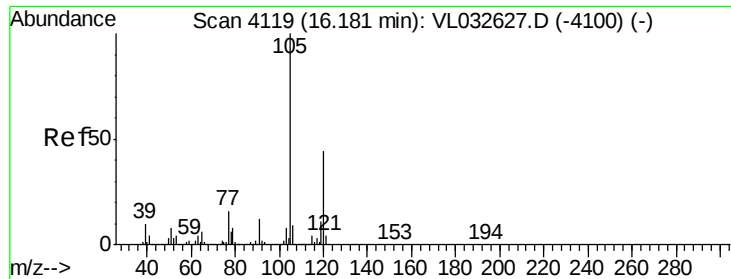
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





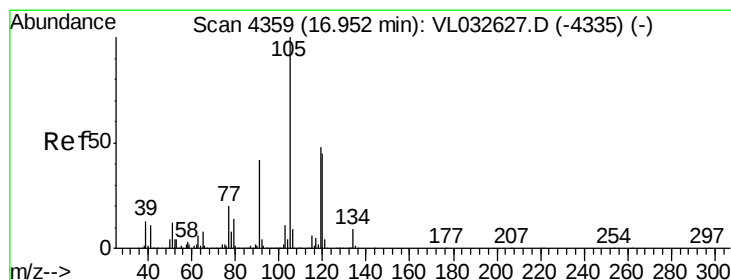
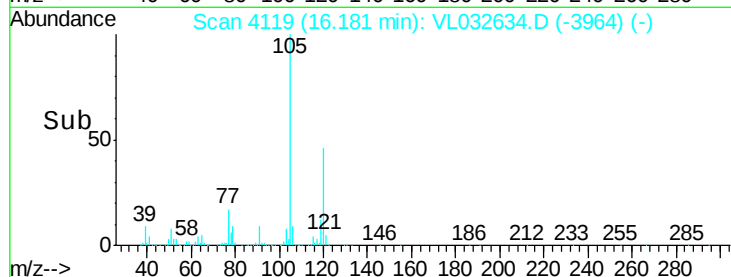
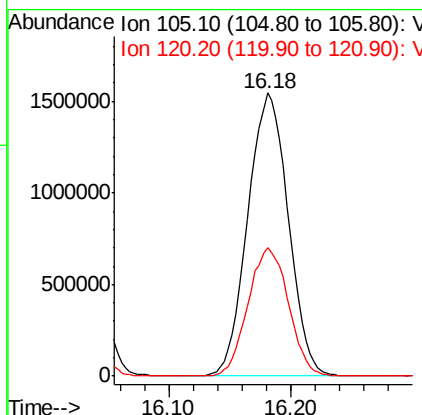
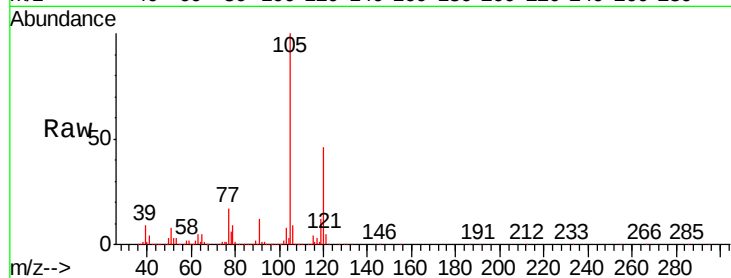
#73
 1,3,5-Trimethylbenzene
 Concen: 11.12 ppbv
 RT: 16.18 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion:105 Resp: 3540712
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.4 53.2

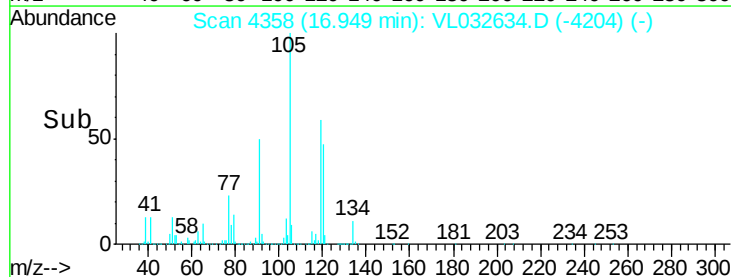
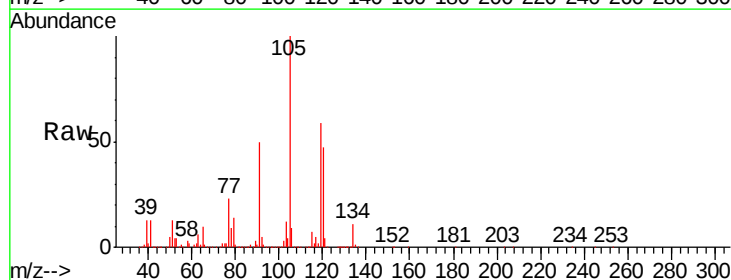
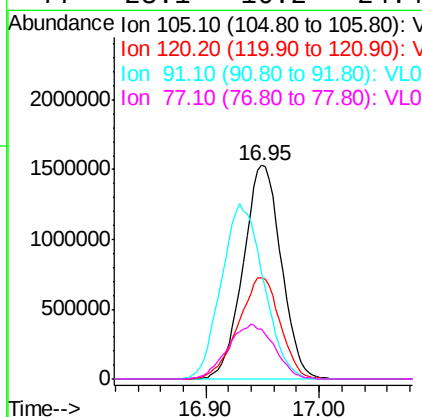
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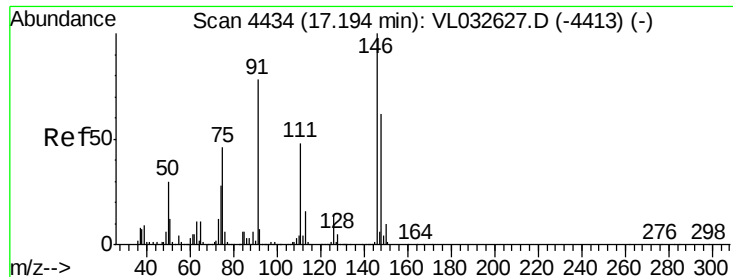
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.21 ppbv
 RT: 16.95 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion:105 Resp: 3580097
 Ion Ratio Lower Upper
 105 100
 120 47.0 35.8 53.8
 91 49.6 33.2 49.8
 77 23.1 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 9.63 ppbv

RT: 17.19 min Scan# 4433

Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Instrument :

MSVOA_L

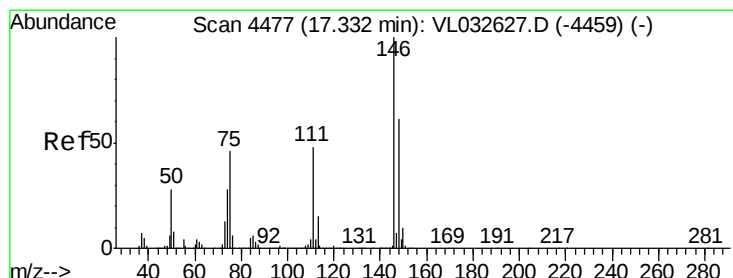
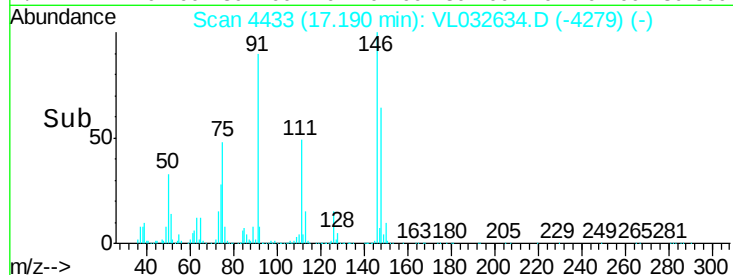
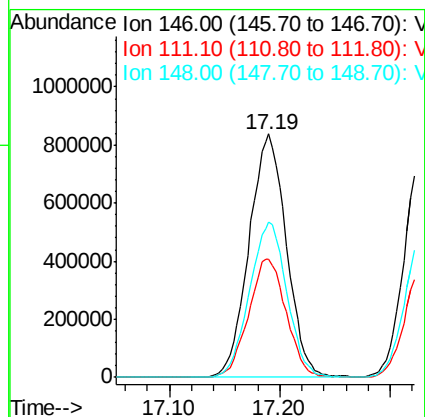
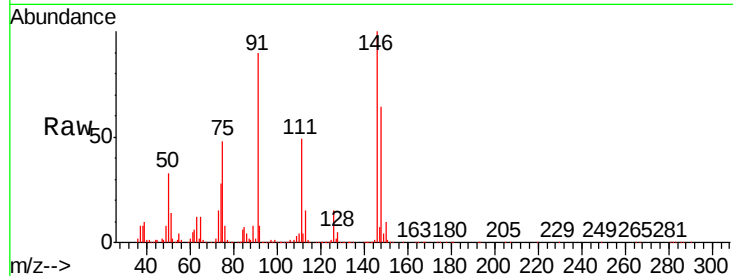
ClientSampleId :

ICVVL101718

Tgt Ion:	146	Resp:	1962981
Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.4	73.2
148	64.1	31.9	95.9

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 10.39 ppbv

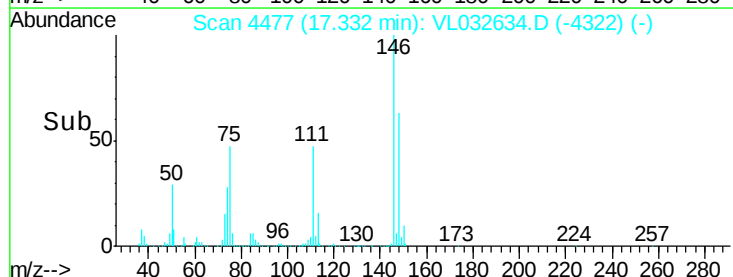
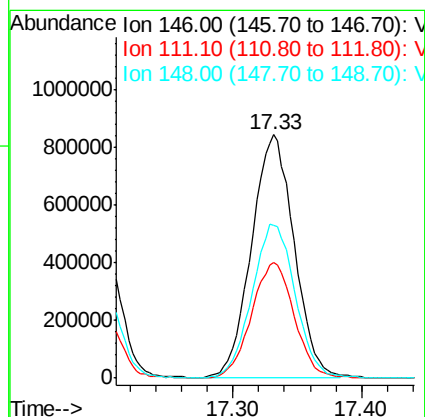
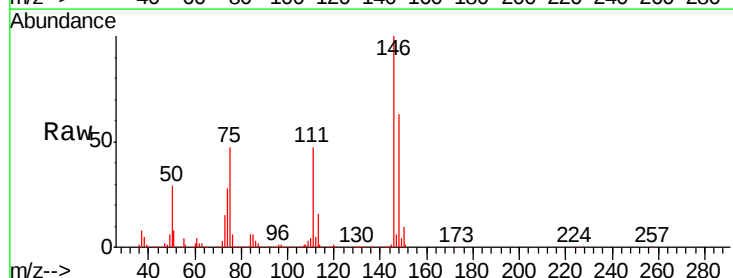
RT: 17.33 min Scan# 4477

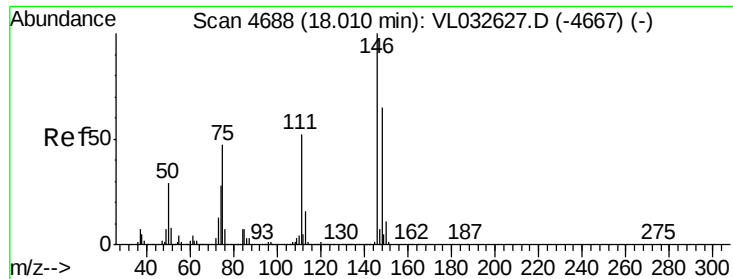
Delta R.T. -0.00 min

Lab File: VL032634.D

Acq: 17 Oct 2018 7:15

Tgt Ion:	146	Resp:	1928383
Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.7	71.1
148	64.9	32.1	96.3





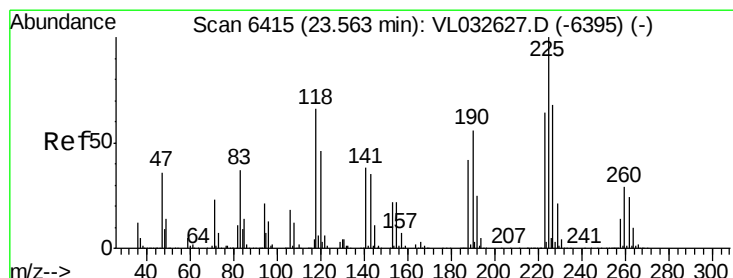
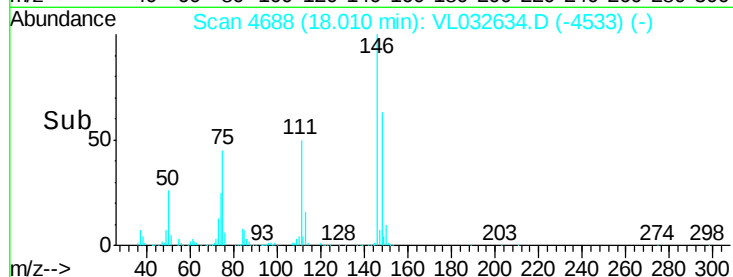
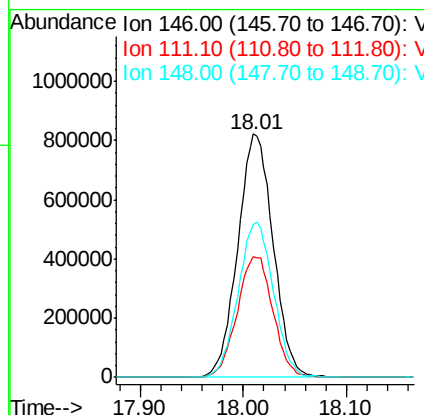
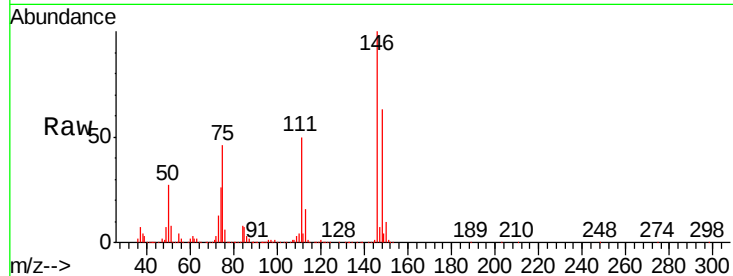
#77
 1,2-Dichlorobenzene
 Concen: 10.01 ppbv
 RT: 18.01 min Scan# 4688
 Delta R.T. -0.00 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101718

Tgt Ion:146 Resp: 1960654
 Ion Ratio Lower Upper
 146 100
 111 50.2 25.3 75.8
 148 64.0 31.9 95.9

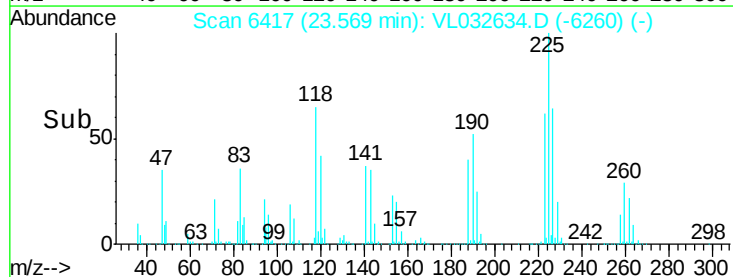
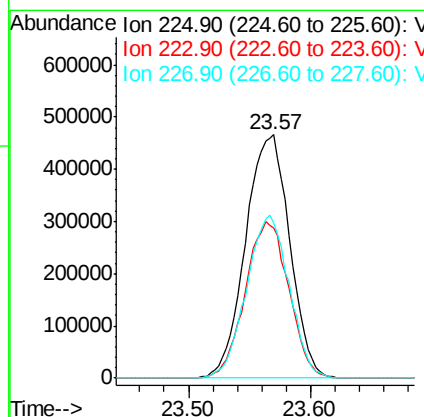
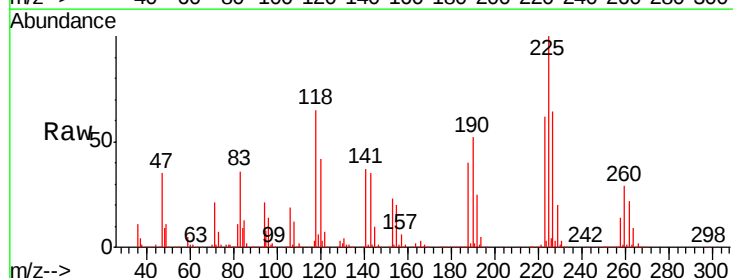
Manual Integrations
 APPROVED

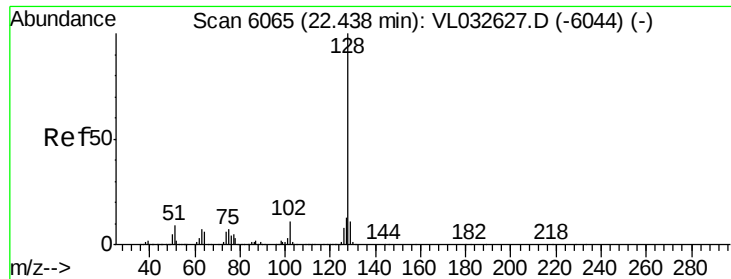
MMDadoda
 10/19/2018 4:36:31 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.64 ppbv
 RT: 23.57 min Scan# 6417
 Delta R.T. 0.01 min
 Lab File: VL032634.D
 Acq: 17 Oct 2018 7:15

Tgt Ion:225 Resp: 1166560
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.7 76.1
 227 64.6 50.7 76.1





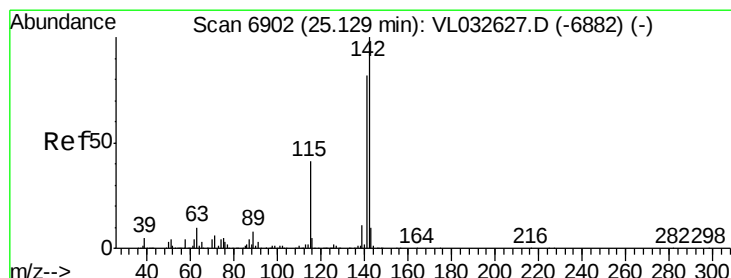
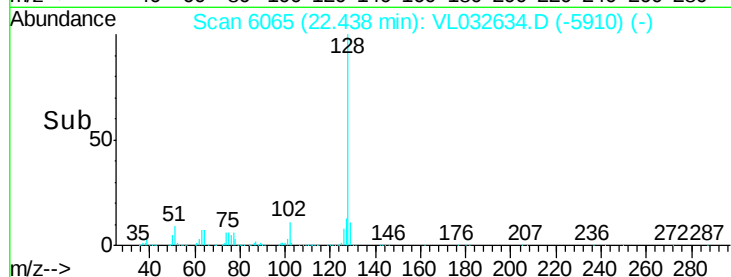
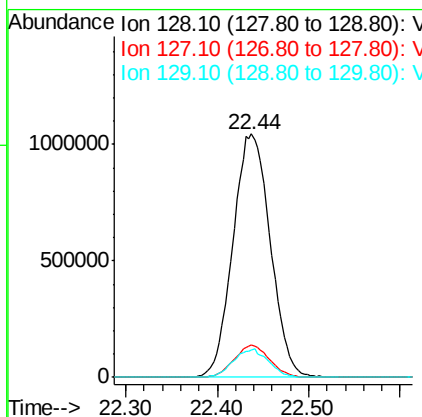
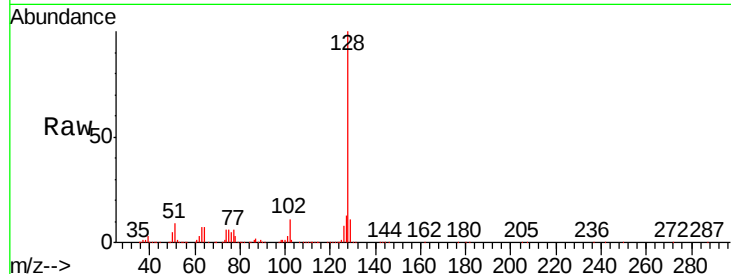
#79
Naphthalene
Concen: 12.49 ppbv m
RT: 22.44 min Scan# 6065
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/19/2018 4:36:31 PM



#80
Naphthalene, 2-methyl-
Concen: 11.30 ppbv
RT: 25.13 min Scan# 6903
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.5	101.3
115	42.2	33.5	50.3

