

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL032999.D
 Acq On : 17 Dec 2018 15:11
 Operator : SY/AP
 Sample : VL1217ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 1:56:43 PM

Quant Time: Dec 18 01:25:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1201216	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2859880	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3617503m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2480573	9.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1764543	11.004	ppbv	99
3) Chlorodifluoromethane	3.02	51	905907	9.958	ppbv	100
4) Chloromethane	3.17	50	517711	9.775	ppbv	96
5) Vinyl Chloride	3.30	62	537130	9.967	ppbv	99
6) Bromomethane	3.52	94	358664	10.641	ppbv	98
7) Chloroethane	3.61	64	203656	10.544	ppbv	100
8) Dichlorotetrafluoroethane	3.23	85	1366238	10.252	ppbv	98
9) Propene	3.04	41	366045	10.176	ppbv	100
10) Heptane	8.26	43	1074641	7.953	ppbv	100
11) Trichlorofluoromethane	4.01	101	1559811	10.324	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1065492	8.266	ppbv	99
13) Ethanol	3.65	45	87521	7.066	ppbv	98
14) Bromoethene	3.80	108	464183	10.846	ppbv	100
15) Acetone	3.91	43	972641	9.434	ppbv	99
16) 1,3-Butadiene	3.37	39	418502	10.231	ppbv	91
17) tert-Butyl alcohol	4.36	59	246296	9.383	ppbv #	82
18) 1,1-Dichloroethene	4.36	96	486371	9.634	ppbv	99
19) Isopropyl Alcohol	4.03	45	641909	9.914	ppbv #	99
20) Methylene Chloride	4.42	84	418187	8.299	ppbv	98
21) Allyl Chloride	4.48	41	745789	8.876	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	644493	10.287	ppbv	99
23) Vinyl Acetate	5.16	43	1938844	11.107	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1478212	9.738	ppbv	99
25) Ethyl Acetate	5.78	43	2406144	9.879	ppbv	100
26) Hexane	5.79	57	1106421	9.839	ppbv	99
27) Carbon Disulfide	4.63	76	1216784	8.654	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	1847252	10.938	ppbv	99
29) Chloroform	5.86	83	1878772	9.364	ppbv	96
30) Cyclohexane	7.26	84	928945	9.967	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1133490	10.985	ppbv	98
32) 1,1,1-Trichloroethane	6.63	97	1929255	9.087	ppbv	99
34) 2-Butanone	5.34	43	1469522	11.797	ppbv	100
35) Carbon Tetrachloride	7.14	117	2106421	9.371	ppbv	98
36) Benzene	7.02	78	2151766	10.229	ppbv	100
37) 1,2-Dichloroethane	6.42	62	1436660	10.031	ppbv	99
38) Trichloroethene	7.97	130	852974	9.744	ppbv	98
39) 1,2-Dichloropropane	7.75	63	752816	9.437	ppbv	98
40) 1,4-Dioxane	7.97	88	266803	9.080	ppbv #	94
41) Tetrahydrofuran	6.16	42	835091	10.779	ppbv	99
42) Bromodichloromethane	7.93	83	1793302	9.038	ppbv	100
43) Methyl Methacrylate	8.15	69	763128	9.791	ppbv	98

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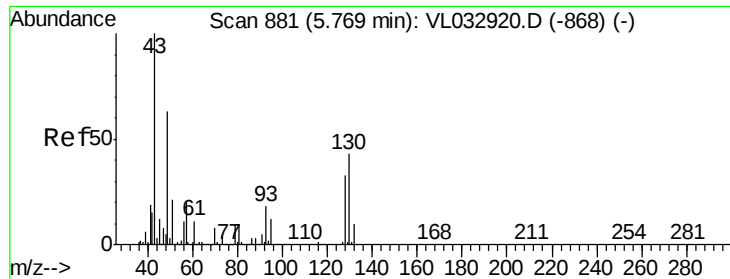
Manual Integrations
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Quant Time: Dec 18 01:25:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3349862	9.382	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1202832	12.586	ppbv	98
46) cis-1,3-Dichloropropene	8.85	75	1359416	11.622	ppbv	96
47) 1,1,2-Trichloroethane	9.63	97	902135	10.274	ppbv	97
48) Dibromochloromethane	10.46	129	1375098	8.348	ppbv	99
49) Bromoform	13.22	173	1521590	11.231	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2059492	10.339	ppbv	100
51) 2-Hexanone	10.28	43	1276556	9.449	ppbv	99
52) Tetrachloroethene	11.38	164	936386	12.238	ppbv	97
53) Toluene	9.96	91	2006965	8.996	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1114812	8.127	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1436767	8.909	ppbv	99
57) Chlorobenzene	12.32	112	2305528	8.824	ppbv	99
58) Ethyl Benzene	12.88	91	4039979	10.469	ppbv	100
59) m/p-Xylene	13.16	91	5882146m	16.812	ppbv	
60) o-Xylene	13.86	91	3324204	9.408	ppbv	99
61) Styrene	13.70	104	2454755	10.444	ppbv	100
62) Isopropylbenzene	14.84	105	4763689	9.664	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2285245	8.330	ppbv	100
64) n-propylbenzene	15.74	120	1219069	9.521	ppbv	98
65) tert-Butylbenzene	16.92	119	4393835	9.614	ppbv	100
66) Benzyl Chloride	17.17	91	2573731	10.161	ppbv	99
67) sec-Butylbenzene	17.47	105	6130958	9.099	ppbv	100
69) p-Isopropyltoluene	17.83	119	4508677	8.257	ppbv	100
70) n-Butylbenzene	18.73	91	4490748	8.939	ppbv	100
71) 2-Chlorotoluene	15.63	91	3536589	9.647	ppbv	100
72) 4-Ethyltoluene	16.01	105	3936759	9.980	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	3811902	9.899	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	3965719	9.120	ppbv #	91
75) 1,3-Dichlorobenzene	17.18	146	2261588	8.832	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2179540	9.122	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	1921707	8.036	ppbv	100
78) Hexachloro-1,3-Butadiene	23.56	225	1104568	8.399	ppbv	99
79) Naphthalene	22.43	128	2691068	9.585	ppbv	98
80) Naphthalene, 2-methyl-	25.13	142	636971	10.618	ppbv	100
81) 1,2,4-Trichlorobenzene	22.15	180	1341013	9.006	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 49 Resp: 1201216

Ion Ratio Lower Upper

49 100

128 52.7 26.3 78.8

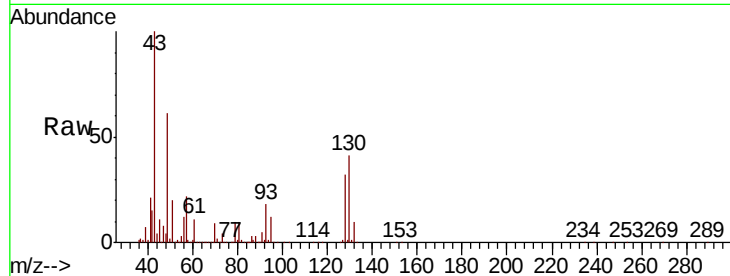
130 67.9 33.9 101.7

Manual Integrations

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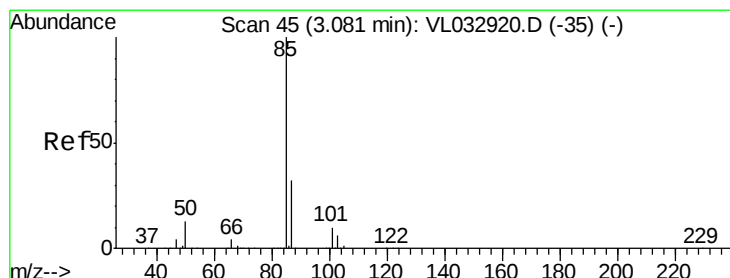
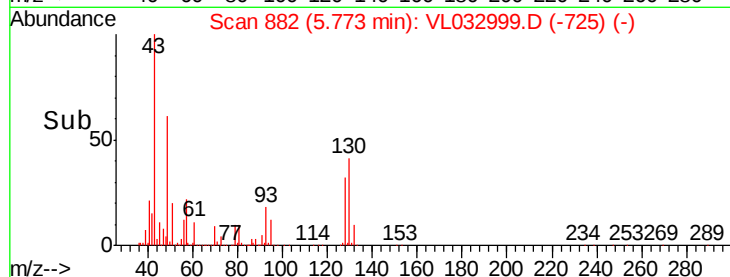
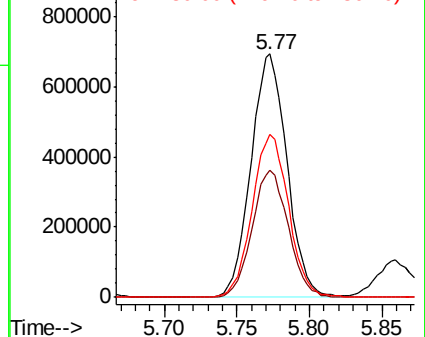
12/19/2018 1:56:43 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 11.004 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL032999.D

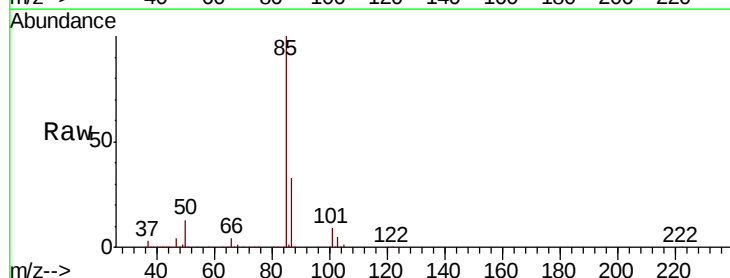
Acq: 17 Dec 2018 15:11

Tgt Ion: 85 Resp: 1764543

Ion Ratio Lower Upper

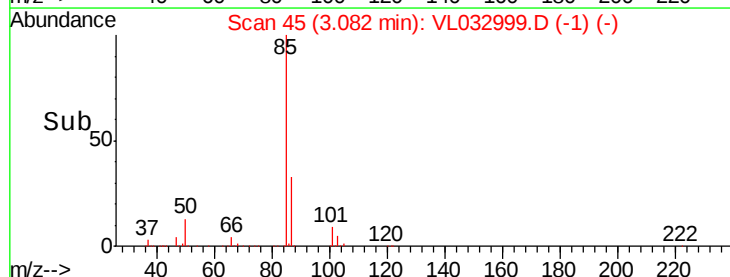
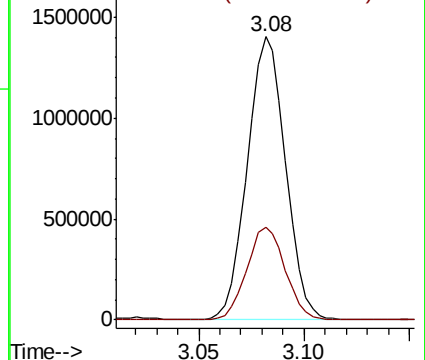
85 100

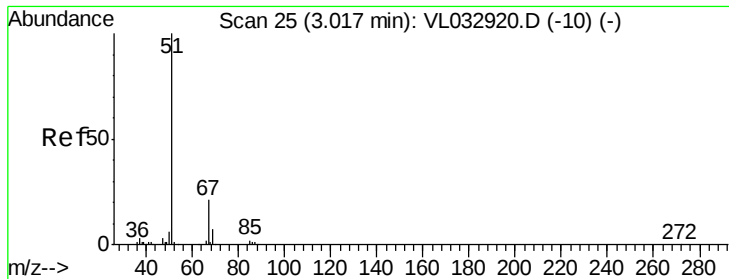
87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.958 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 51 Resp: 905907

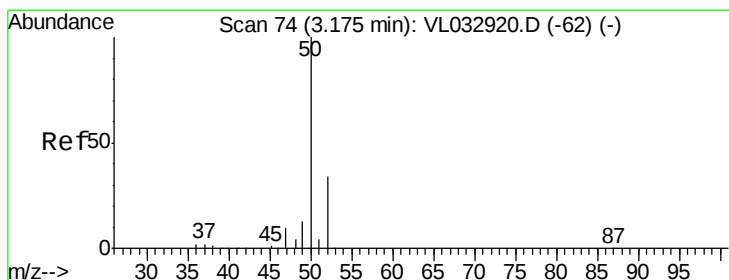
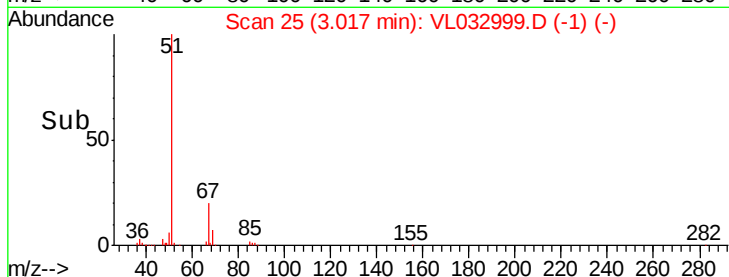
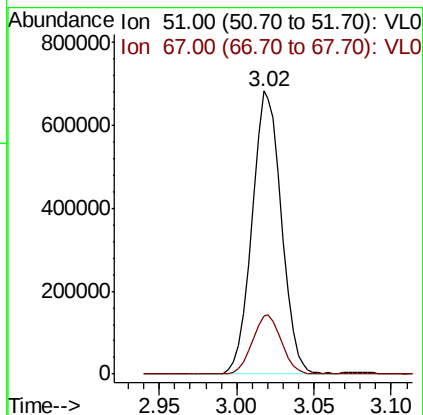
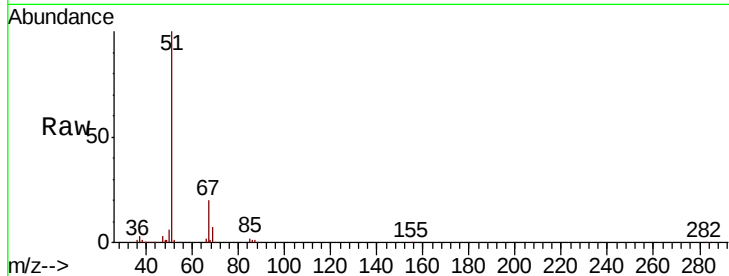
Ion Ratio Lower Upper

51 100

67 21.0 16.8 25.2

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12/19/2018 1:56:43 PM



#4

Chloromethane

Concen: 9.775 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032999.D

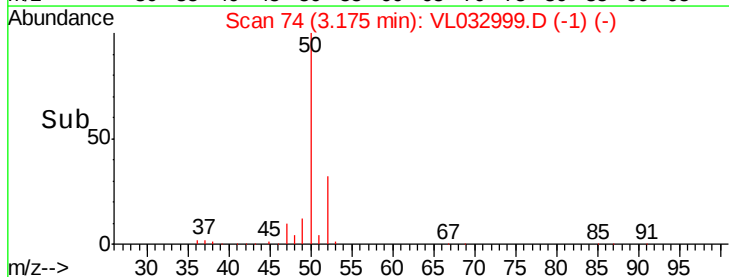
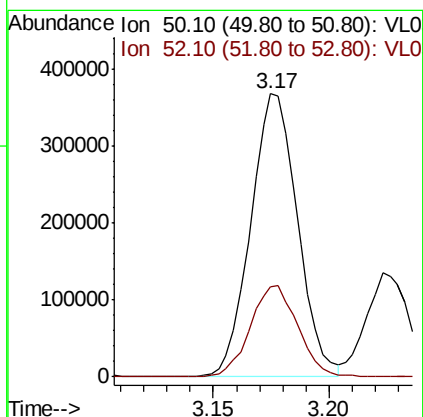
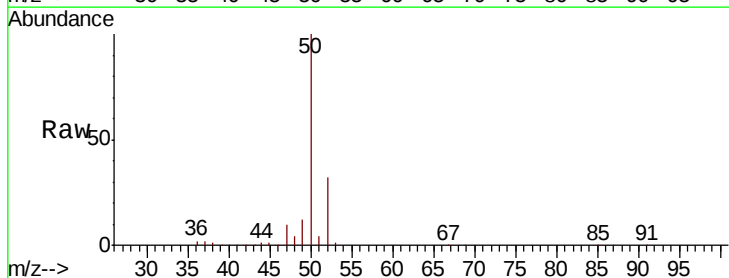
Acq: 17 Dec 2018 15:11

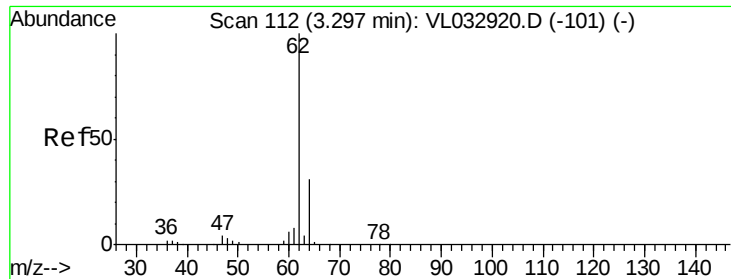
Tgt Ion: 50 Resp: 517711

Ion Ratio Lower Upper

50 100

52 31.9 27.3 40.9





#5

Vinyl Chloride

Concen: 9.967 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 62 Resp: 537130

Ion Ratio Lower Upper

62 100

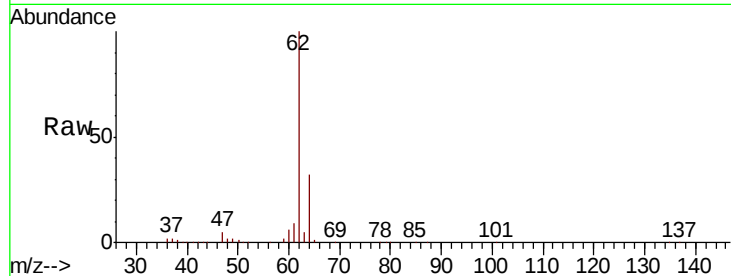
64 31.7 24.8 37.2

Manual Integrations

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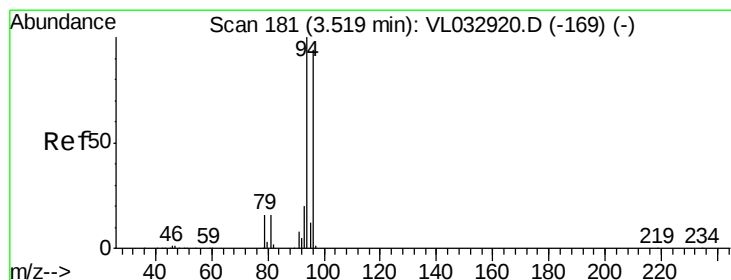
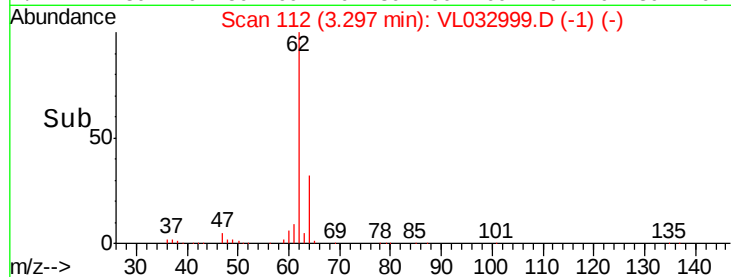
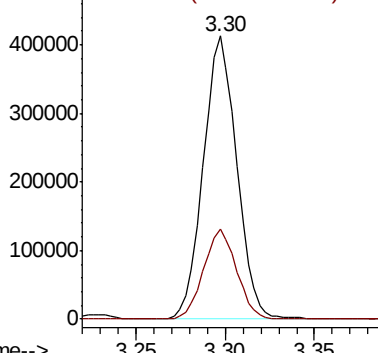
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.641 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032999.D

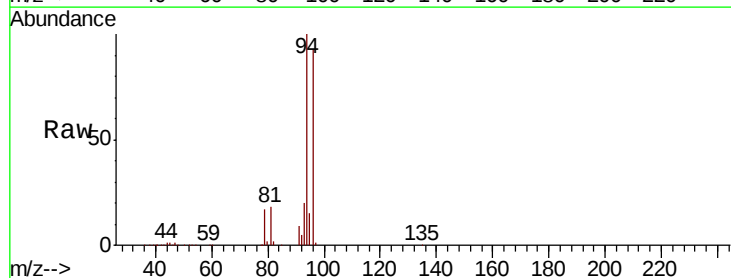
Acq: 17 Dec 2018 15:11

Tgt Ion: 94 Resp: 358664

Ion Ratio Lower Upper

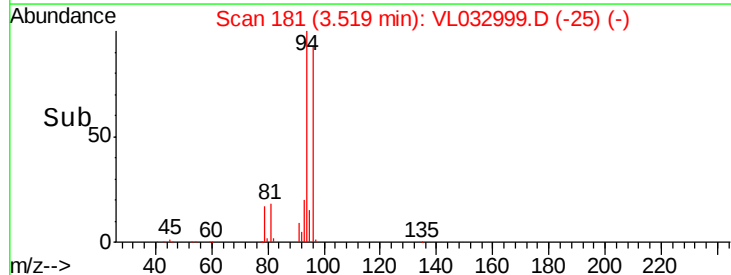
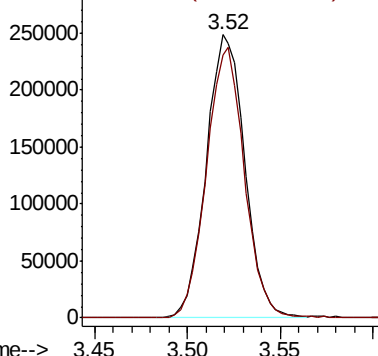
94 100

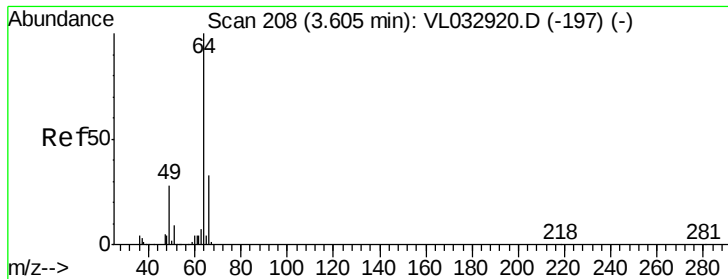
96 92.7 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.544 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 64 Resp: 203656

Ion Ratio Lower Upper

64 100

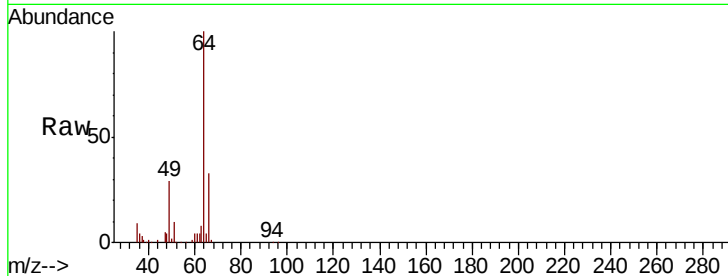
66 33.2 26.6 40.0

Manual Integrations

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12/19/2018 1:56:43 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

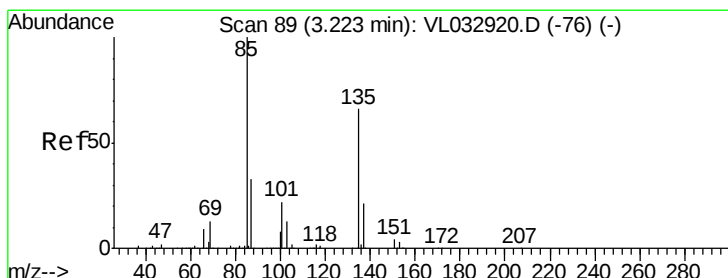
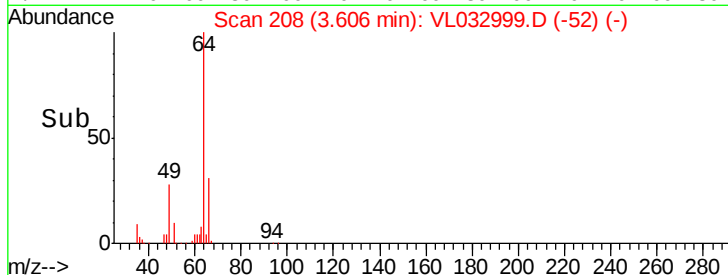
100000

50000

0

3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.252 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032999.D

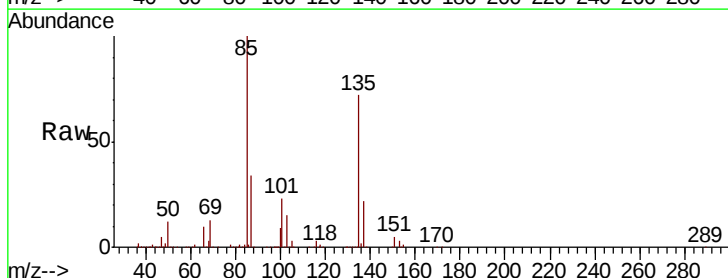
Acq: 17 Dec 2018 15:11

Tgt Ion: 85 Resp: 1366238

Ion Ratio Lower Upper

85 100

135 70.1 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

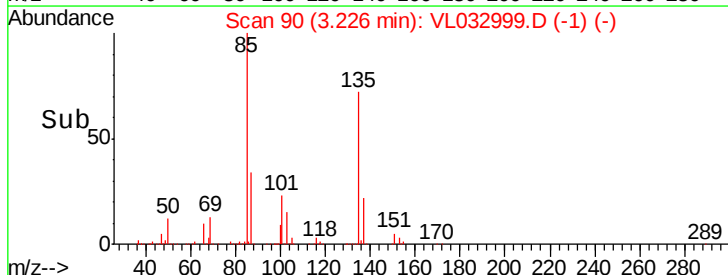
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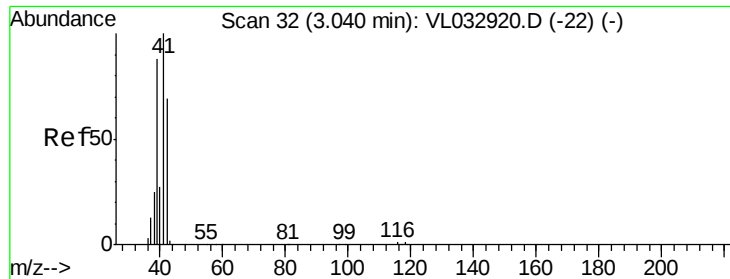
200000

0

3.15 3.20 3.25

Time-->





#9

Propene

Concen: 10.176 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 41 Resp: 366045

Ion Ratio Lower Upper

41 100

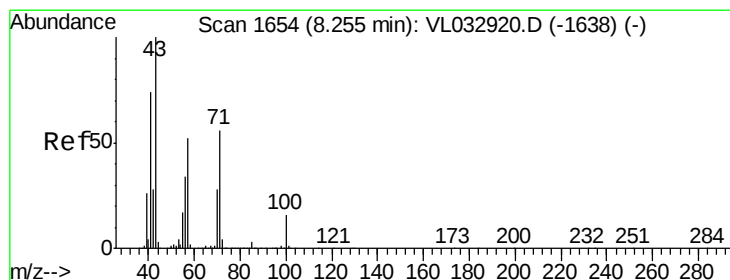
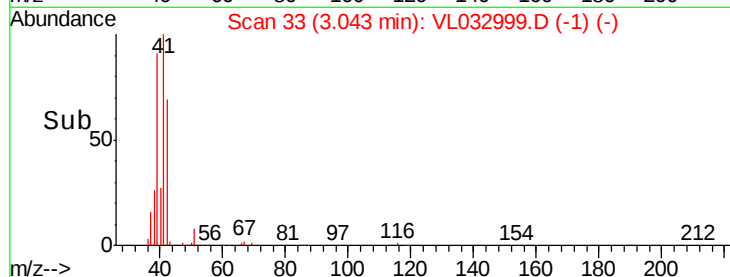
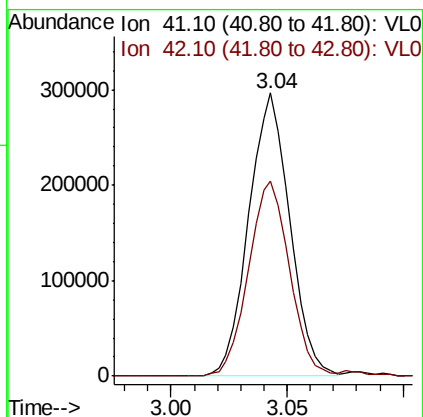
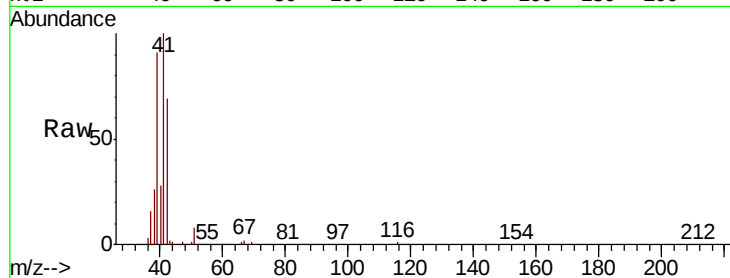
42 70.1 56.2 84.2

Manual Integrations

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12/19/2018 1:56:43 PM



#10

Heptane

Concen: 7.953 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL032999.D

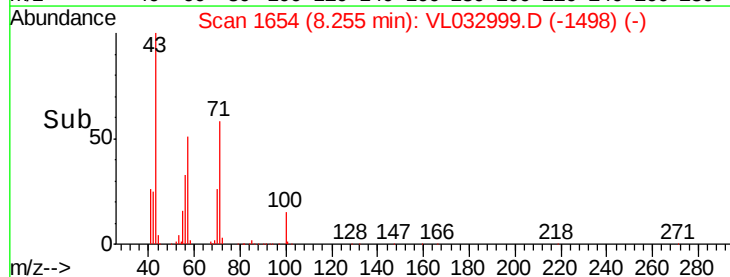
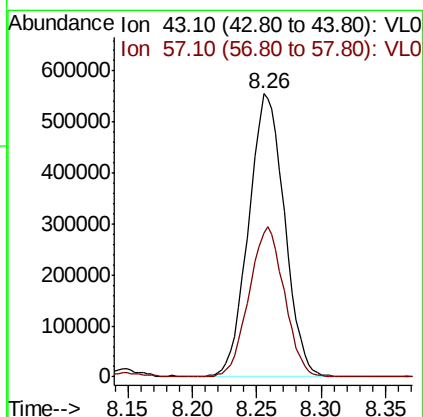
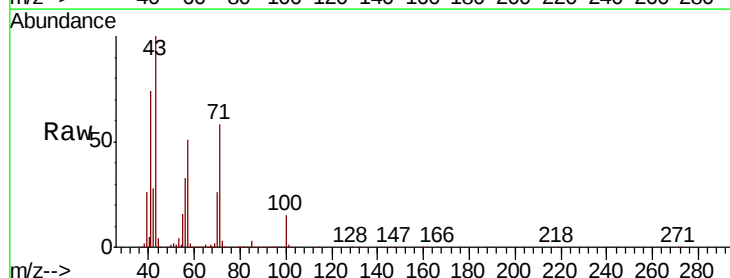
Acq: 17 Dec 2018 15:11

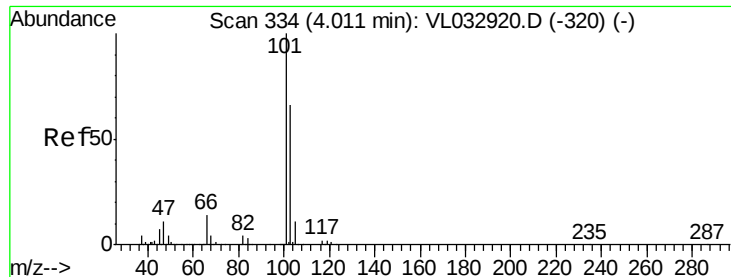
Tgt Ion: 43 Resp: 1074641

Ion Ratio Lower Upper

43 100

57 52.4 41.8 62.6





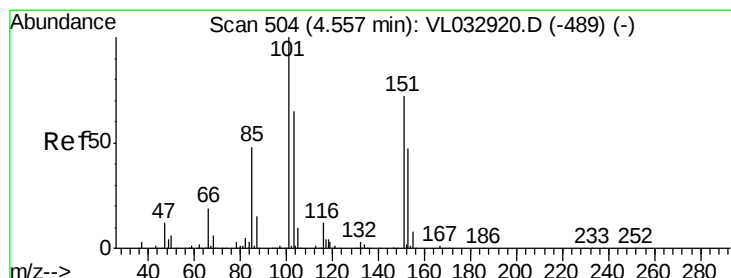
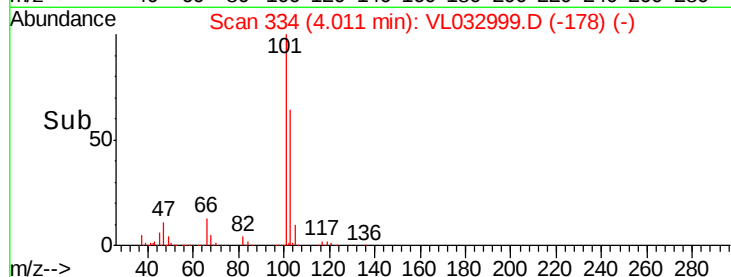
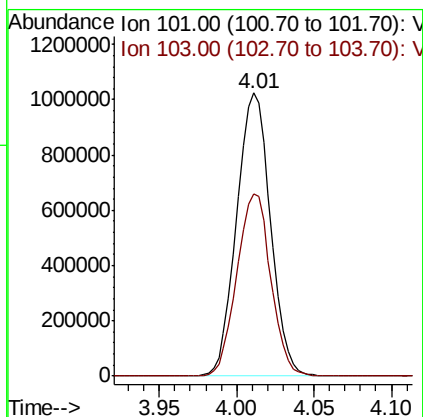
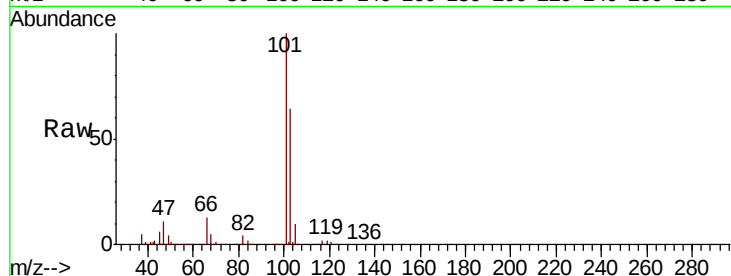
#11
 Trichlorofluoromethane
 Concen: 10.324 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion:101 Resp: 1559811
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.7 79.1

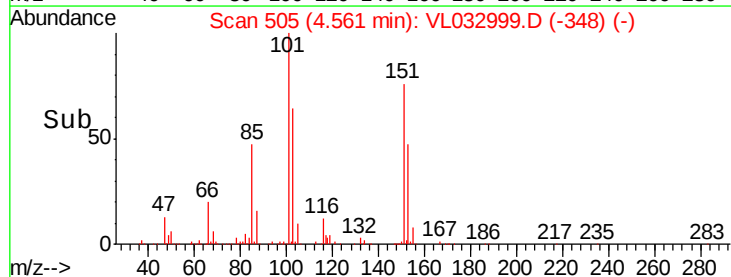
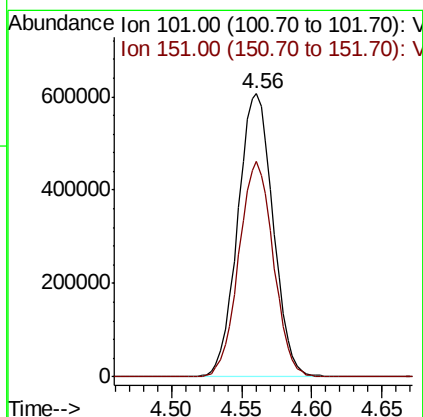
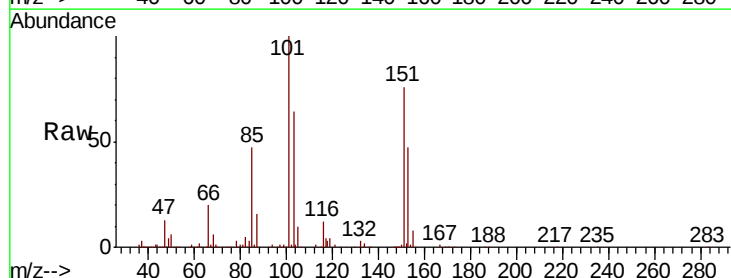
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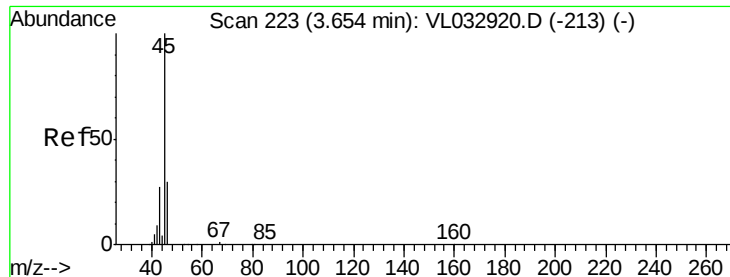
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.266 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Tgt Ion:101 Resp: 1065492
 Ion Ratio Lower Upper
 101 100
 151 74.6 59.3 88.9





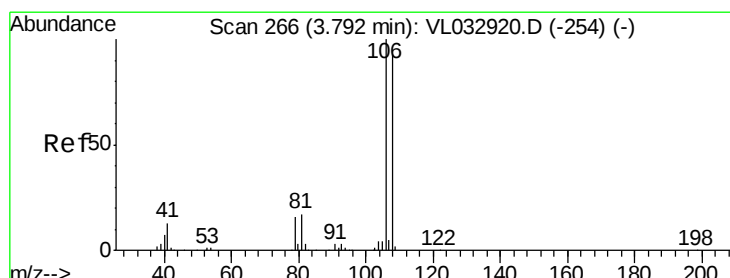
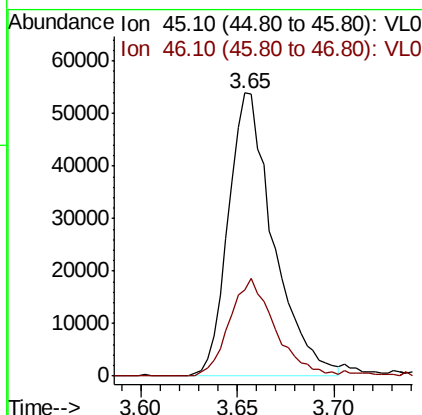
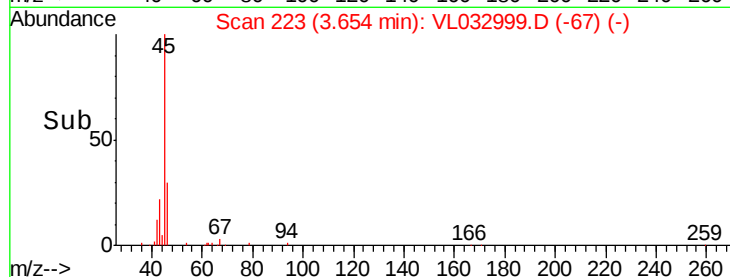
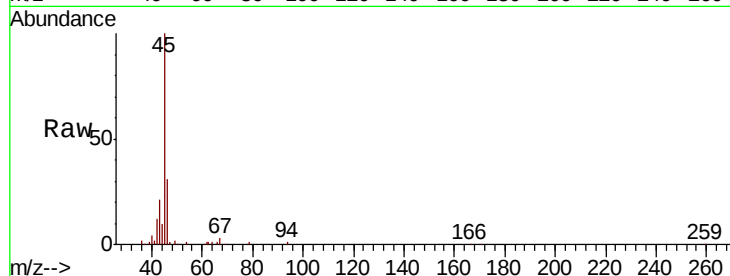
#13
Ethanol
Concen: 7.066 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion: 45 Resp: 87521
Ion Ratio Lower Upper
45 100
46 35.9 13.8 55.4

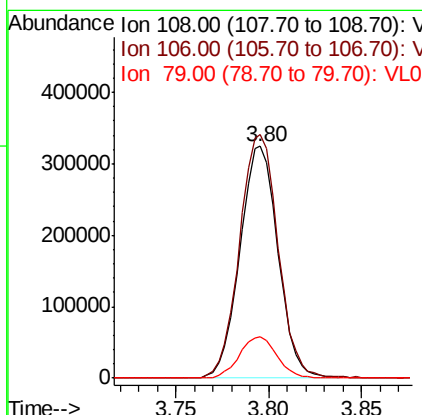
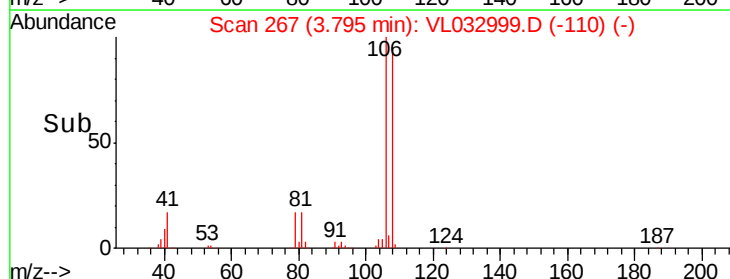
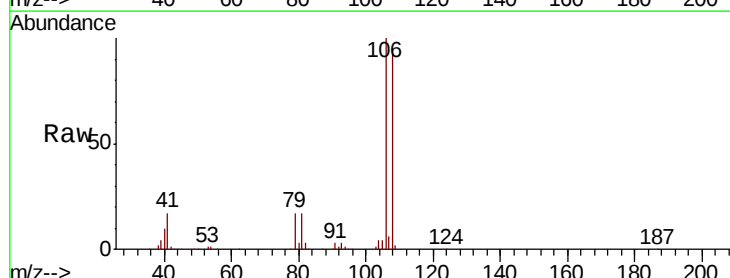
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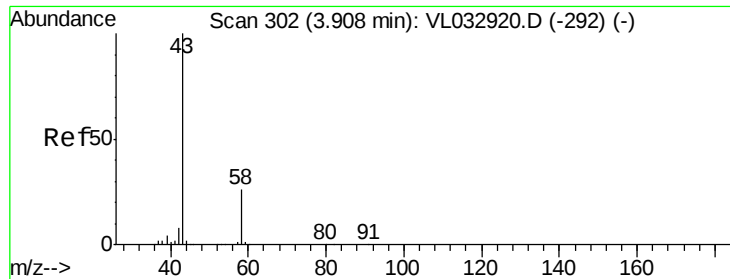
MMDadoda
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#14
Bromoethene
Concen: 10.846 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion: 108 Resp: 464183
Ion Ratio Lower Upper
108 100
106 106.4 85.4 128.2
79 18.2 14.6 21.8





#15

Acetone

Concen: 9.434 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 43 Resp: 972641

Ion Ratio Lower Upper

43 100

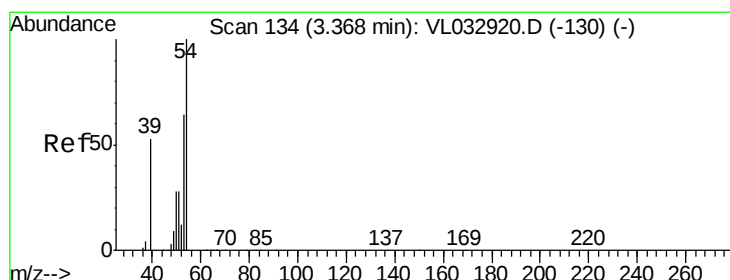
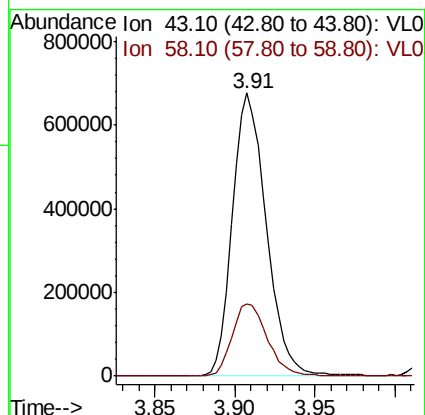
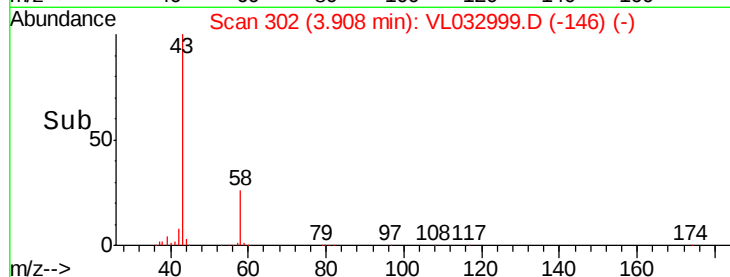
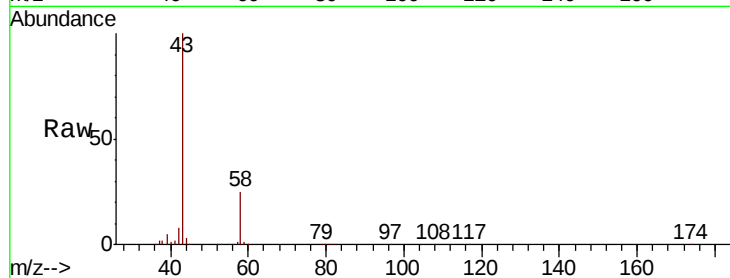
58 26.4 20.6 30.8

Manual Integrations

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12/19/2018 1:56:43 PM



#16

1,3-Butadiene

Concen: 10.231 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL032999.D

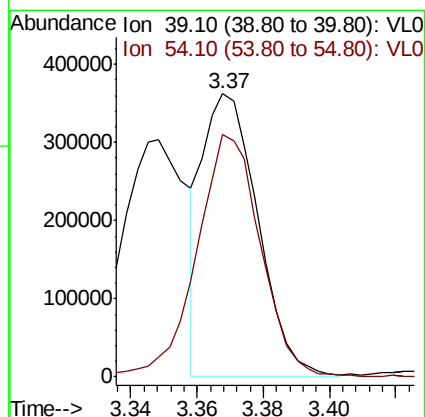
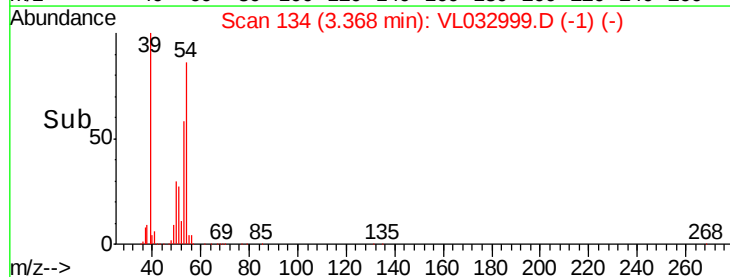
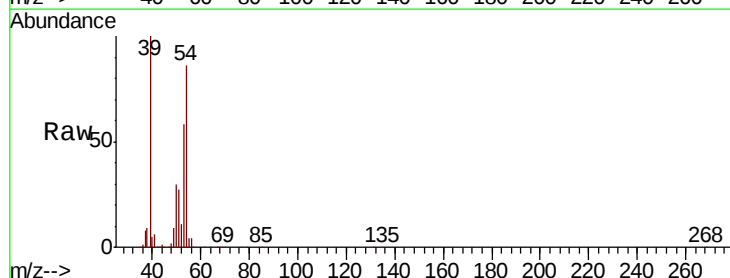
Acq: 17 Dec 2018 15:11

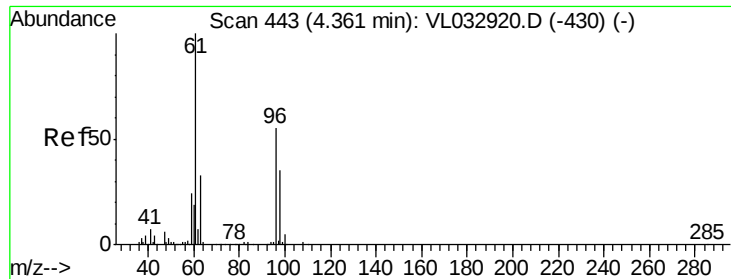
Tgt Ion: 39 Resp: 418502

Ion Ratio Lower Upper

39 100

54 99.3 72.7 109.1





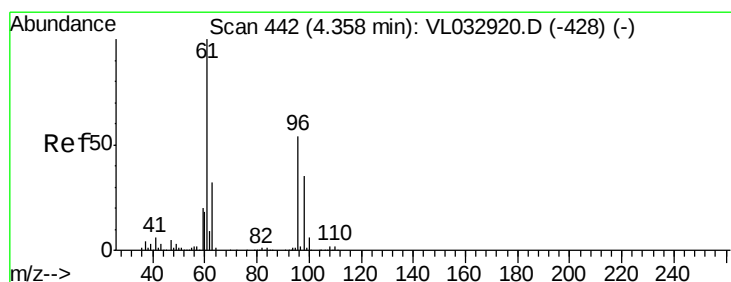
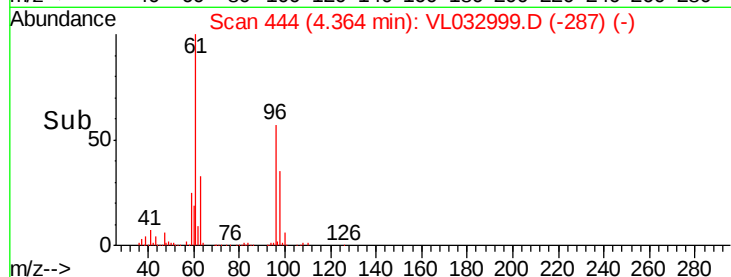
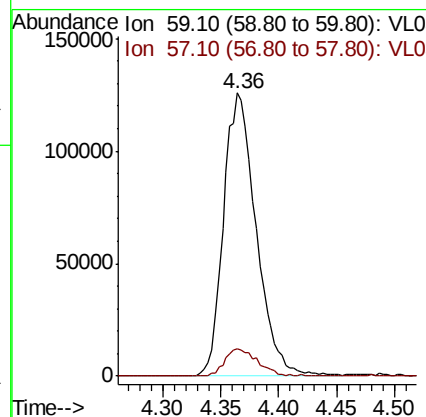
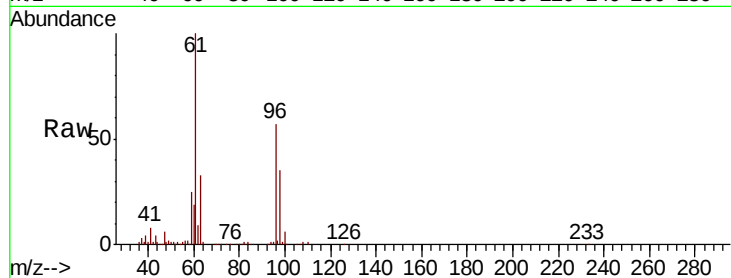
#17
tert-Butyl alcohol
Concen: 9.383 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion: 59 Resp: 246296
Ion Ratio Lower Upper
59 100
57 9.7 0.6 1.0#

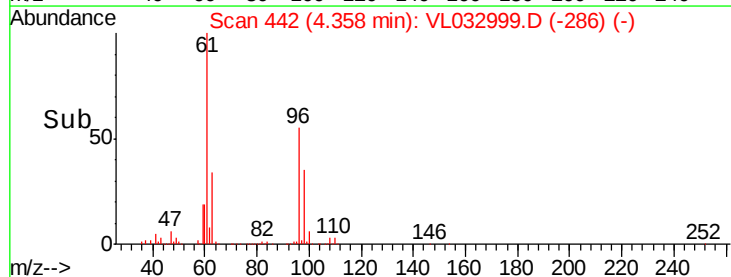
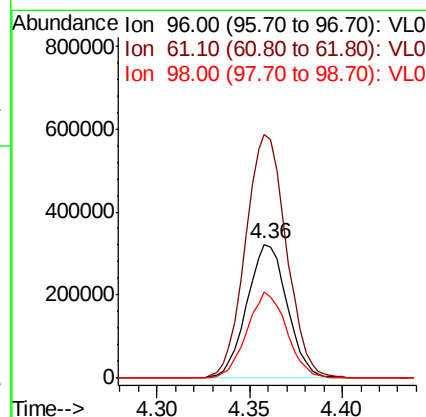
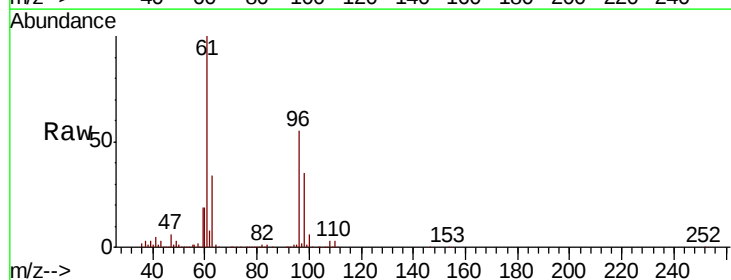
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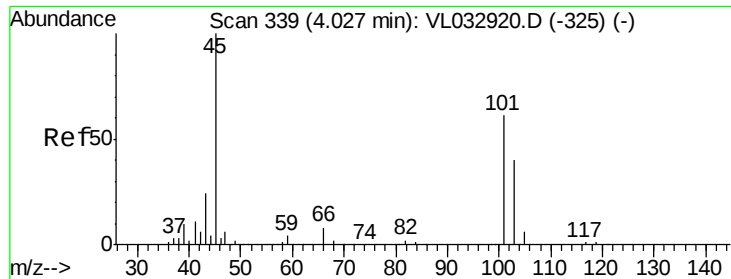
MMDadoda
12/19/2018 1:56:43 PM



#18
1,1-Dichloroethene
Concen: 9.634 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion: 96 Resp: 486371
Ion Ratio Lower Upper
96 100
61 181.5 147.0 220.4
98 64.3 50.7 76.1





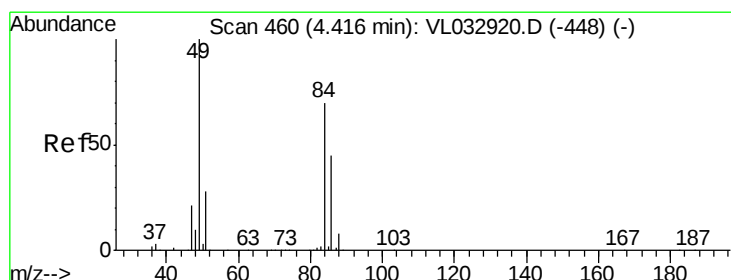
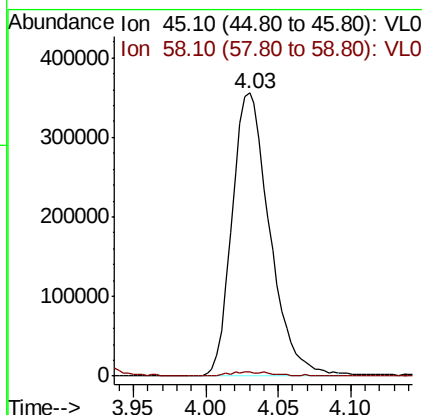
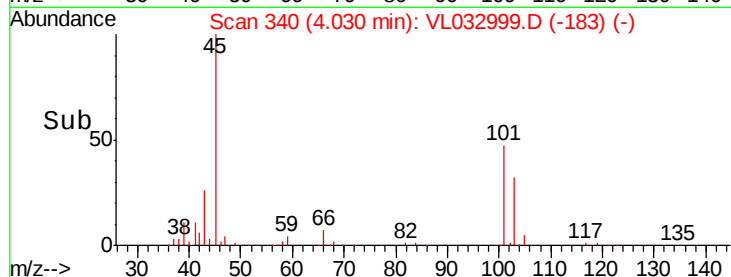
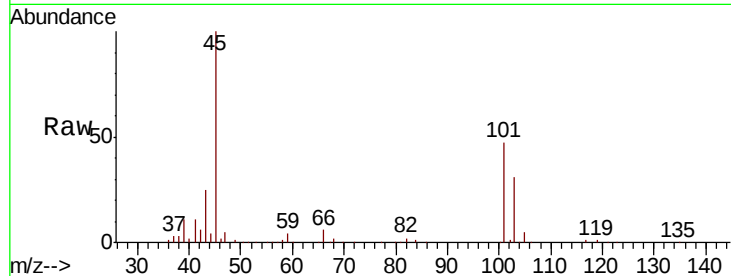
#19
Isopropyl Alcohol
Concen: 9.914 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion: 45 Resp: 641909
Ion Ratio Lower Upper
45 100
58 2.2 1.4 2.2#

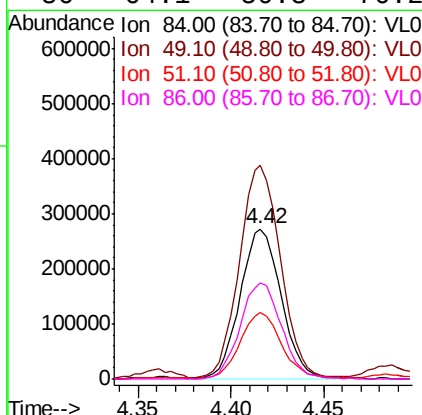
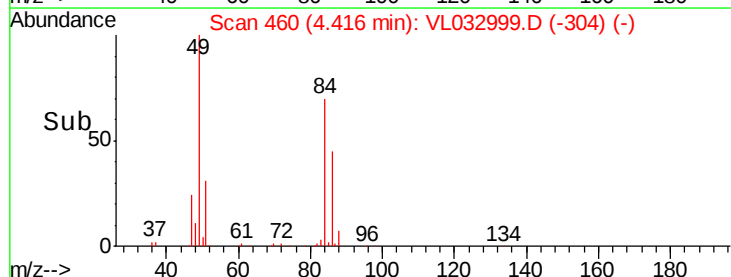
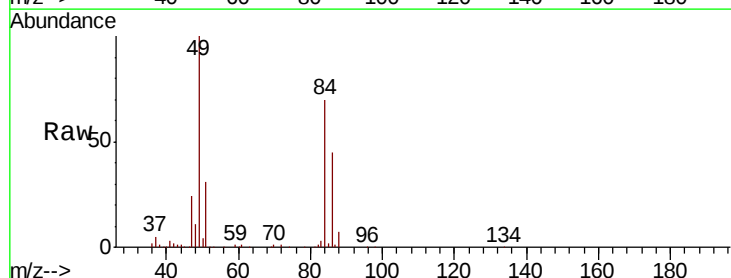
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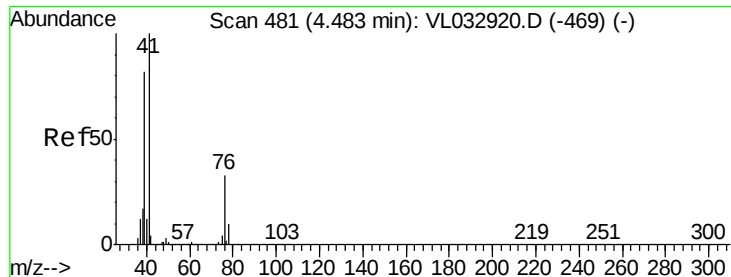
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12/19/2018 1:56:43 PM



#20
Methylene Chloride
Concen: 8.299 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion: 84 Resp: 418187
Ion Ratio Lower Upper
84 100
49 141.8 113.8 170.8
51 44.1 31.8 47.8
86 64.1 50.8 76.2





#21

Allvl Chloride

Concen: 8.876 ppbv

RT: 4.48 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

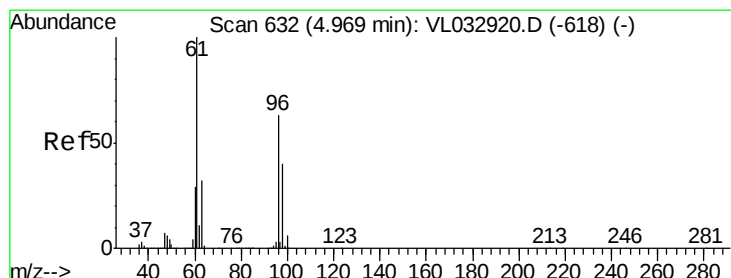
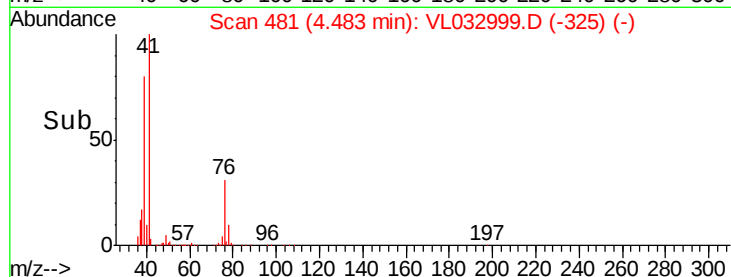
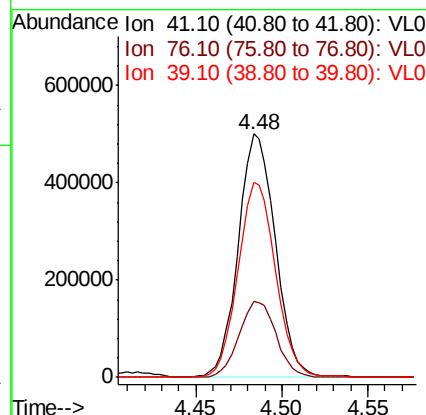
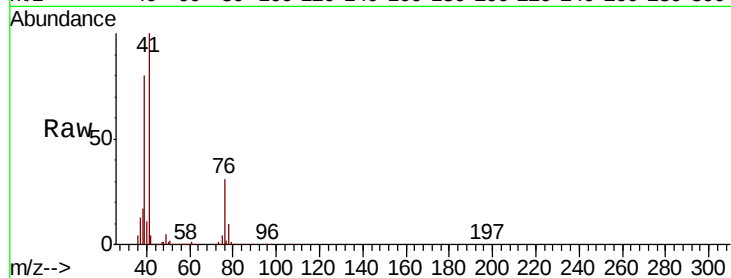
ClientSampleId :

VL1217ABS01

Tot Ion:	41	Resp:	745789
Ion Ratio	Lower	Upper	
41	100		
76	31.5	25.2	37.8
39	82.2	65.2	97.8

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#22

trans-1,2-Dichloroethene

Concen: 10.287 ppbv

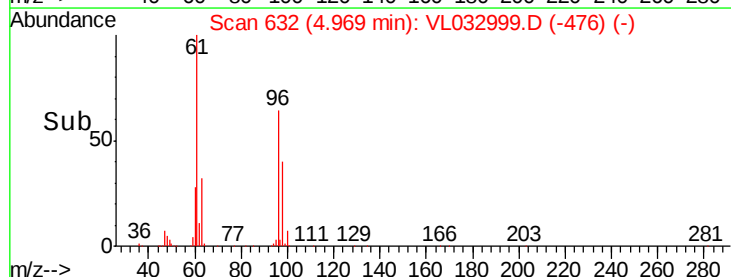
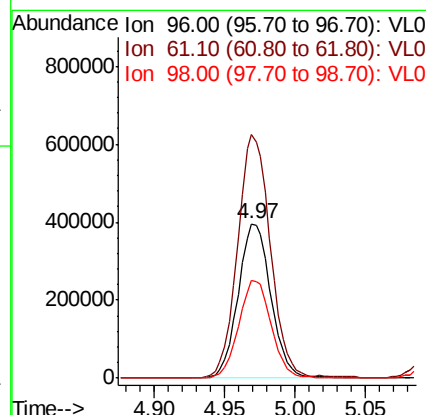
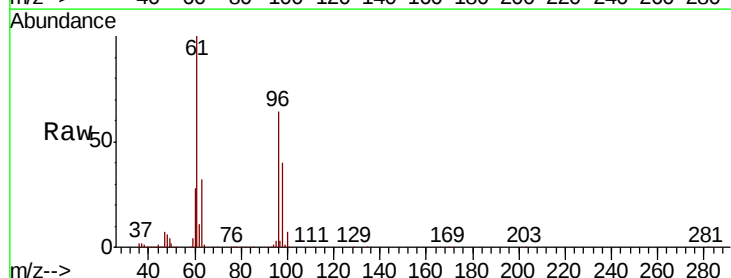
RT: 4.97 min Scan# 632

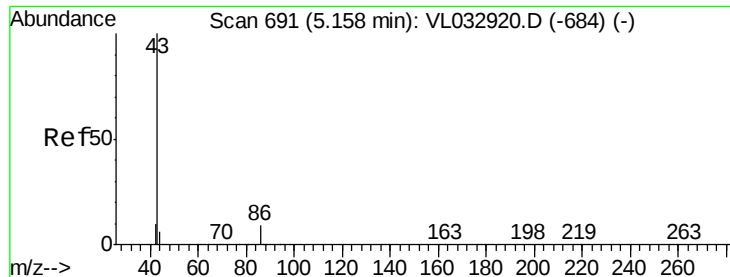
Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Tgt Ion:	96	Resp:	644493
Ion Ratio	Lower	Upper	
96	100		
61	157.4	127.1	190.7
98	62.7	51.3	76.9





#23

Vinyl Acetate

Concen: 11.107 ppbv

RT: 5.16 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 43 Resp: 1938844

Ion Ratio Lower Upper

43 100

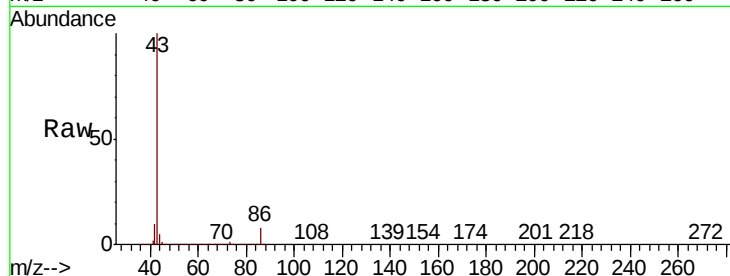
86 7.9 6.6 9.8

42 10.2 8.3 12.5

44 5.0 4.2 6.4

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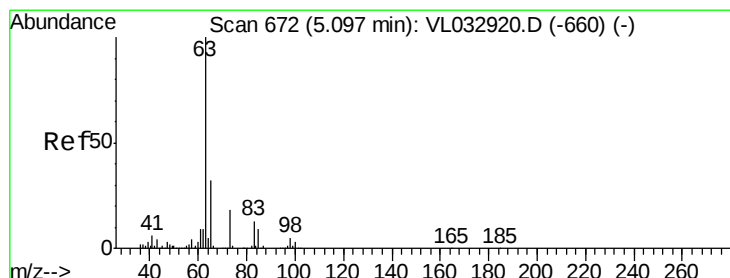
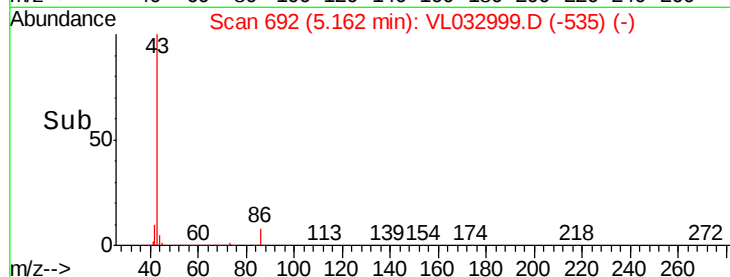
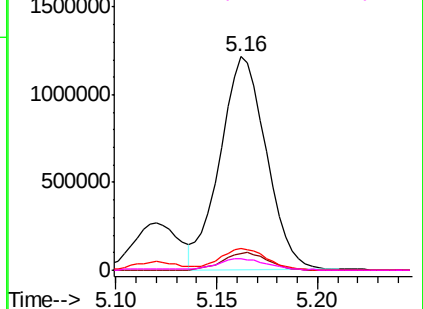


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.738 ppbv

RT: 5.10 min Scan# 673

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

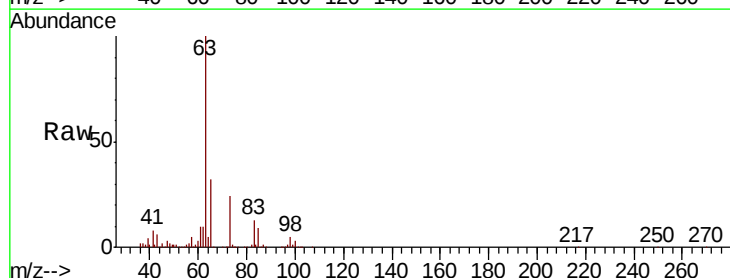
Tgt Ion: 63 Resp: 1478212

Ion Ratio Lower Upper

63 100

98 4.7 2.5 7.5

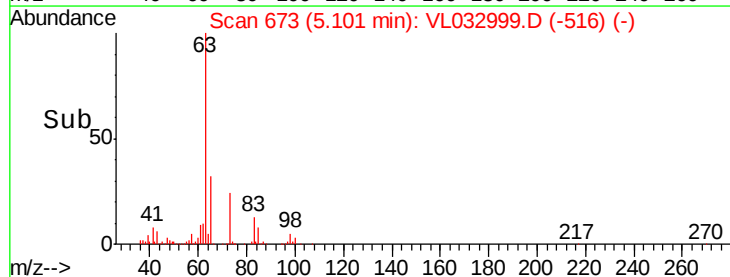
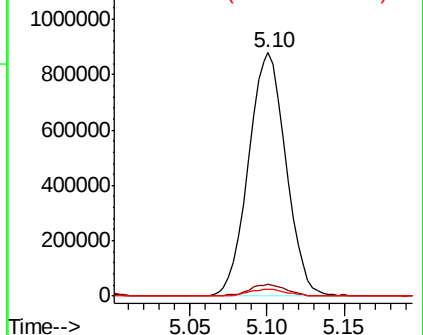
100 3.0 1.4 4.2

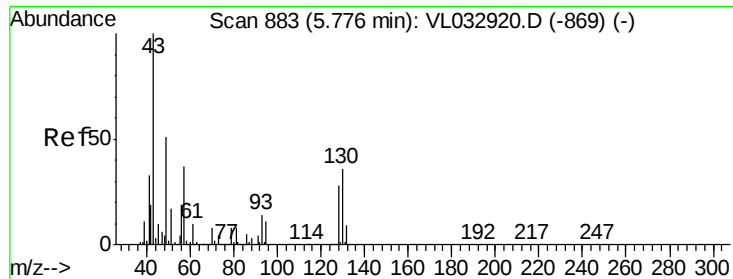


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





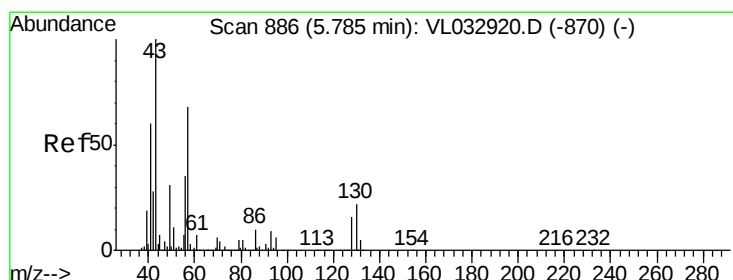
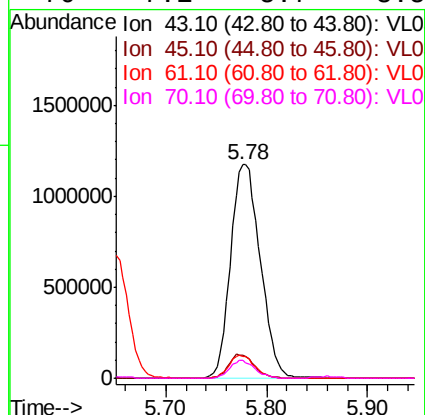
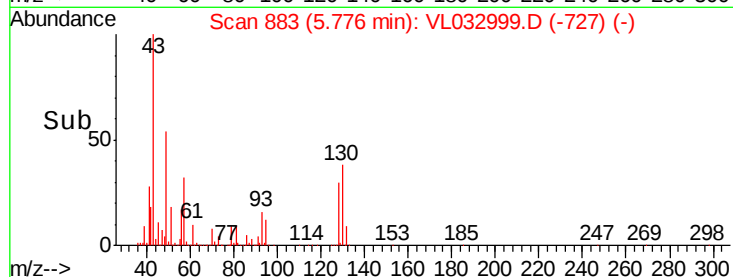
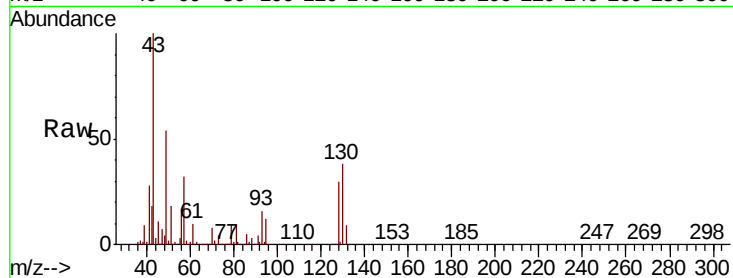
#25
Ethyl Acetate
Concen: 9.879 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	7.8	11.6	
61	9.5	7.4	11.2	
70	7.1	5.7	8.5	

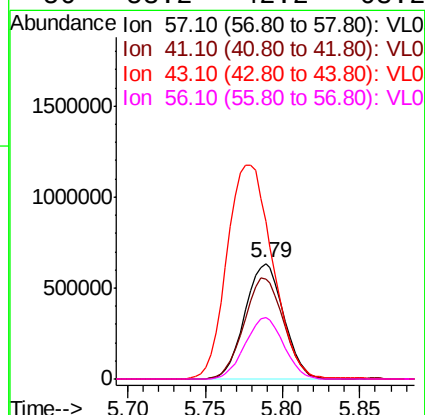
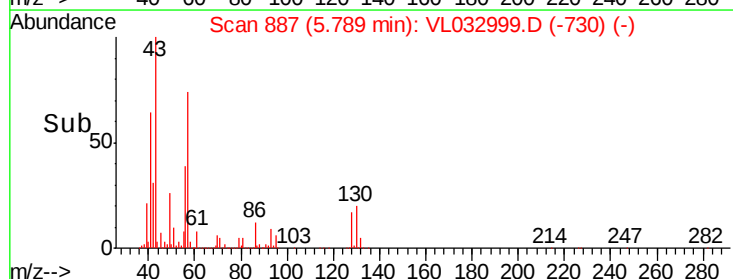
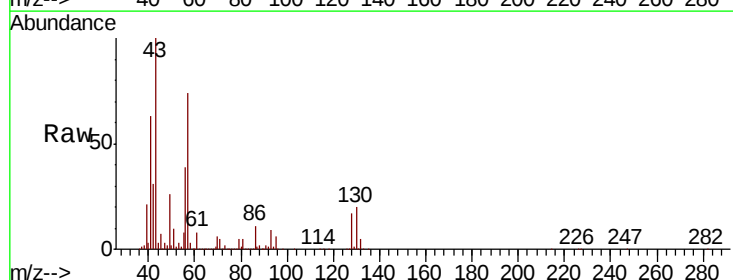
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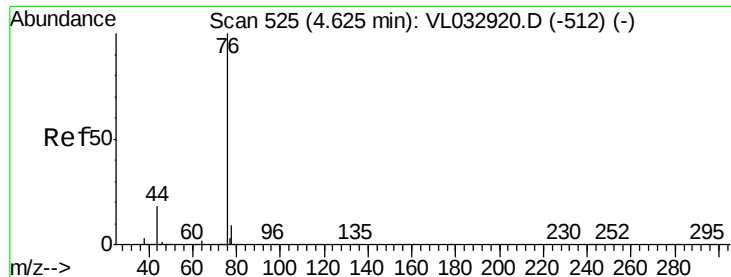
MMDadoda
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#26
Hexane
Concen: 9.839 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.0	72.2	108.2	
43	217.5	171.9	257.9	
56	53.2	42.2	63.2	





#27

Carbon Disulfide

Concen: 8.654 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

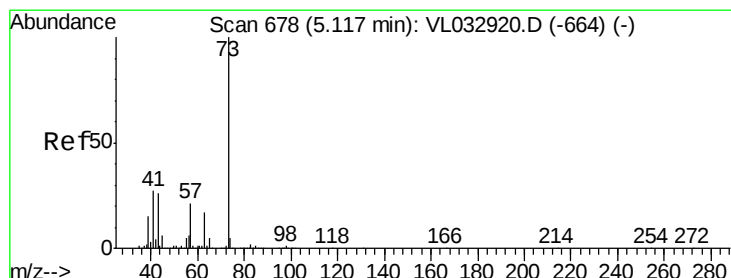
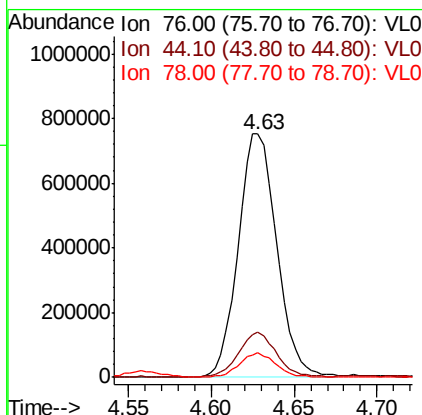
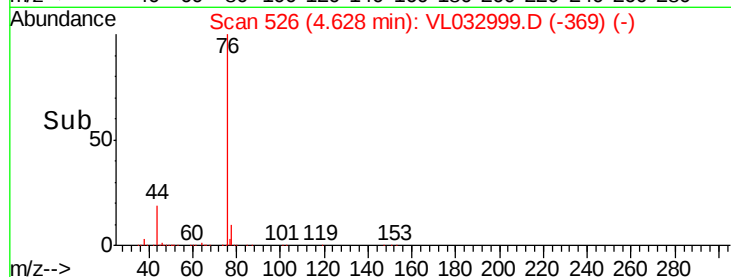
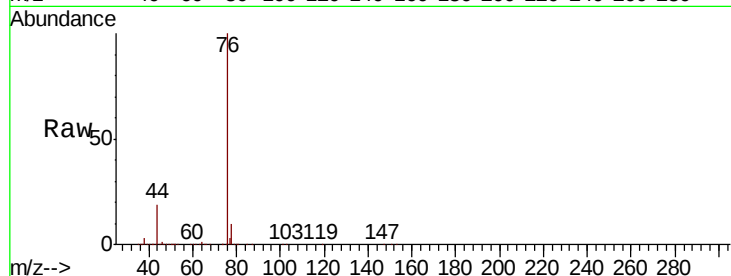
ClientSampleId :

VL1217ABS01

Tot Ion:	76	Resp:	1216784
Ion	Ratio	Lower	Upper
76	100		
44	17.9	14.7	22.1
78	9.2	7.4	11.2

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#28

Methyl tert-Butyl Ether

Concen: 10.938 ppbv

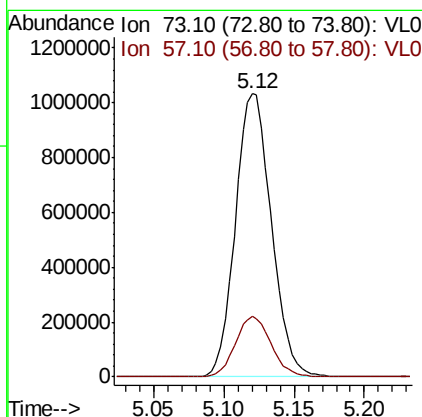
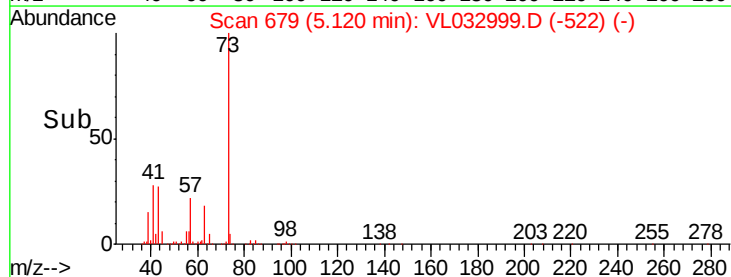
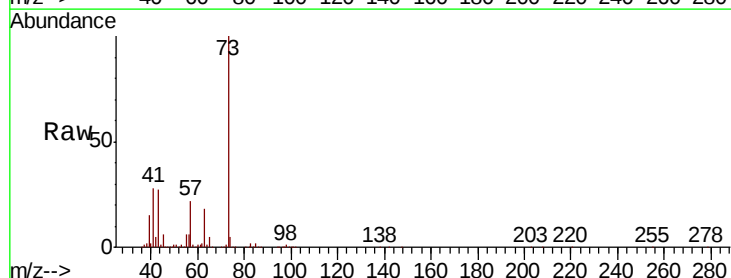
RT: 5.12 min Scan# 679

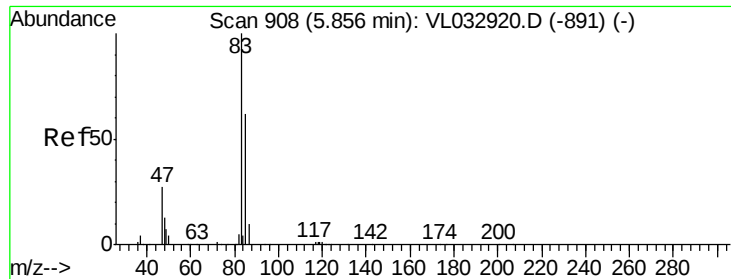
Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Tgt Ion:	73	Resp:	1847252
Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0





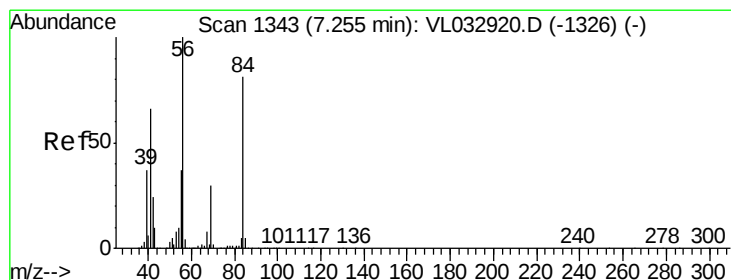
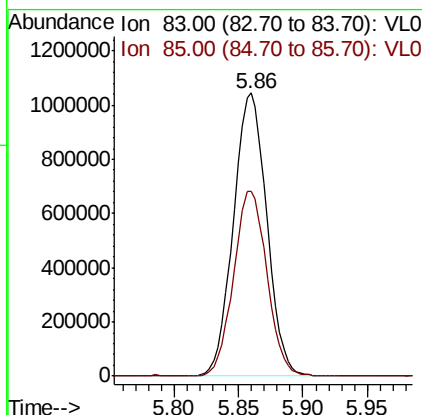
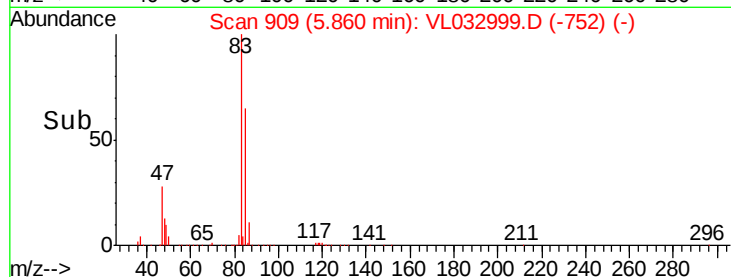
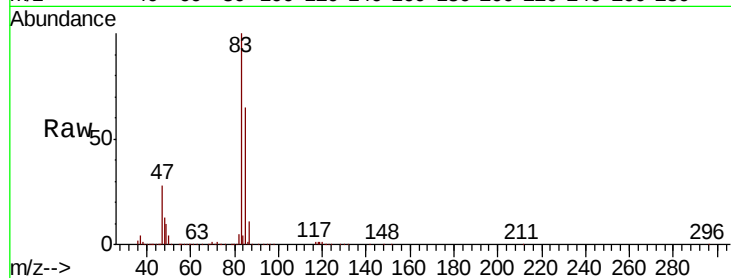
#29
Chloroform
Concen: 9.364 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion: 83 Resp: 1878772
Ion Ratio Lower Upper
83 100
85 65.2 49.8 74.8

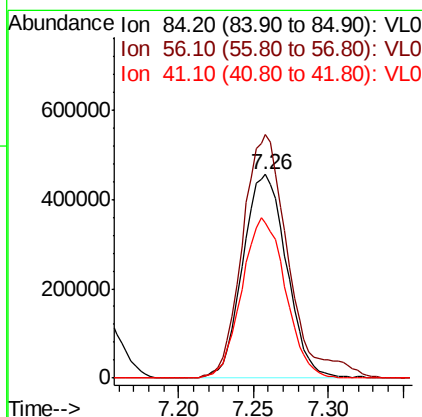
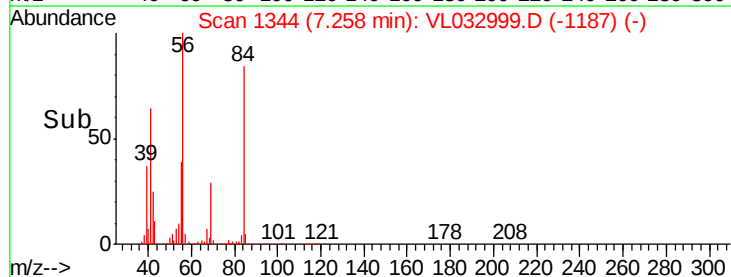
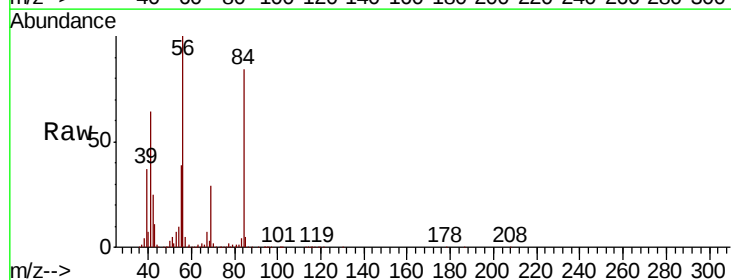
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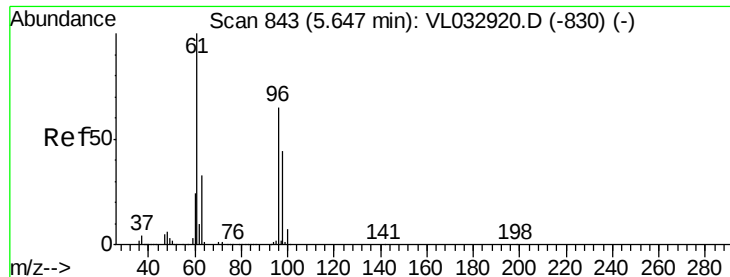
MMDadoda
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#30
Cyclohexane
Concen: 9.967 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion: 84 Resp: 928945
Ion Ratio Lower Upper
84 100
56 125.6 102.5 153.7
41 78.3 64.1 96.1





#31

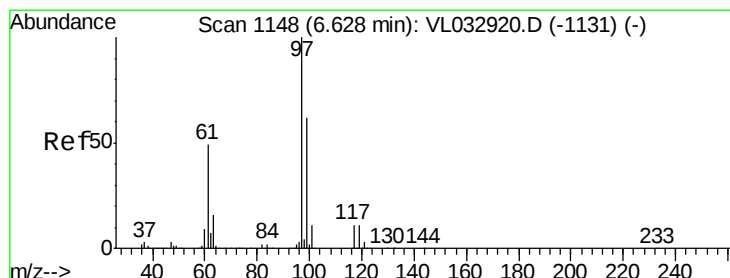
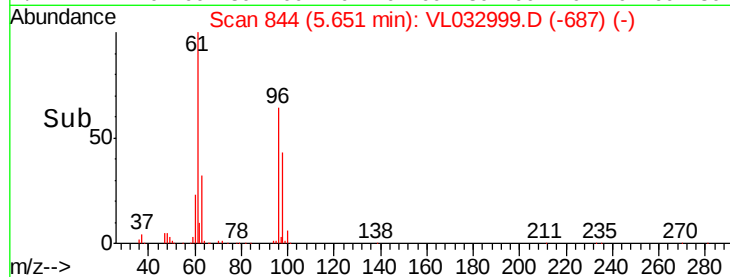
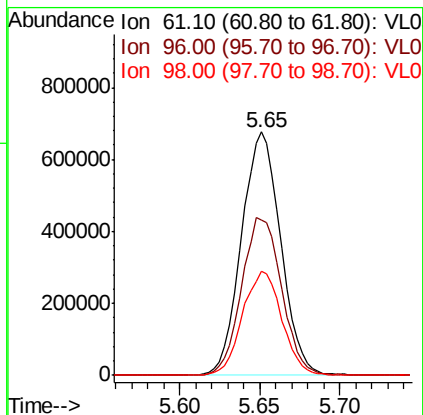
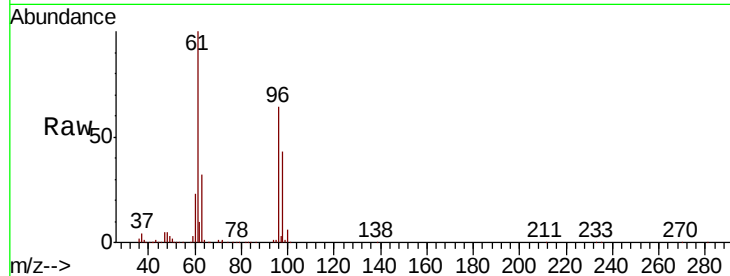
cis-1,2-Dichloroethene
 Concen: 10.985 ppbv
 RT: 5.65 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.7	51.9	77.9
98	42.6	35.0	52.4

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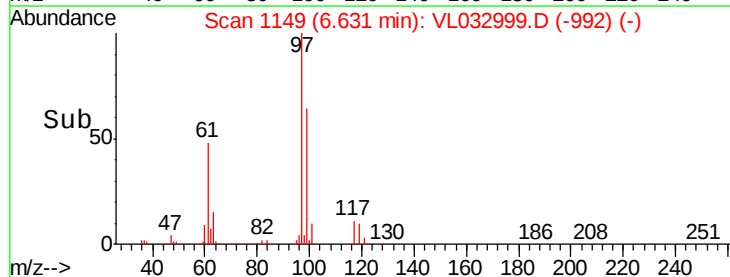
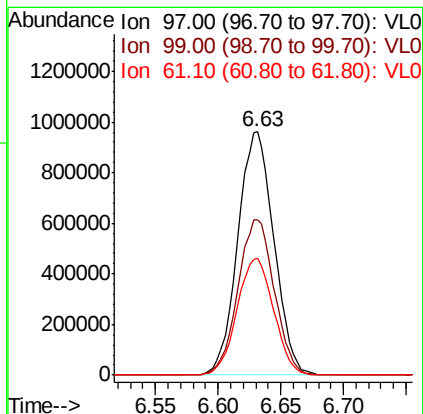
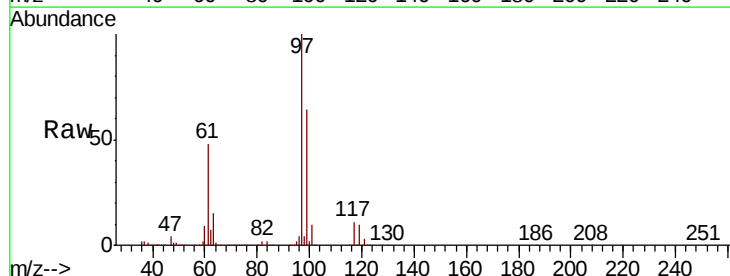
MMDadoda
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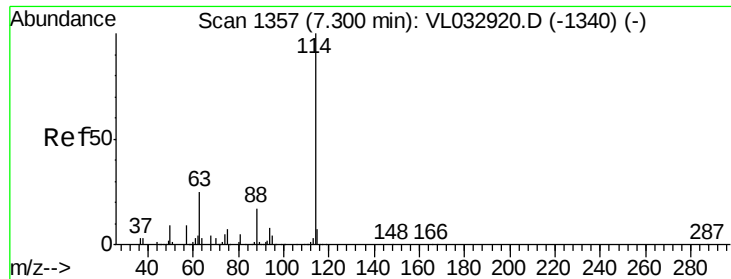


#32

1,1,1-Trichloroethane
 Concen: 9.087 ppbv
 RT: 6.63 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	48.4	39.3	58.9





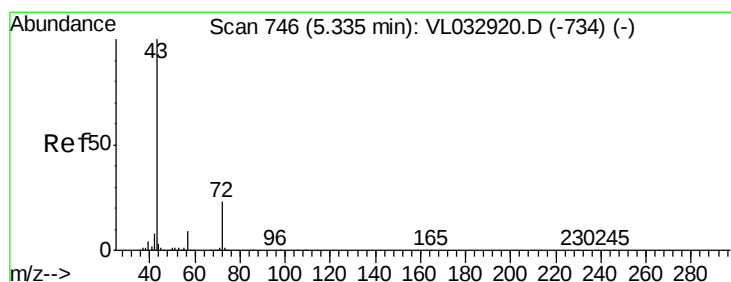
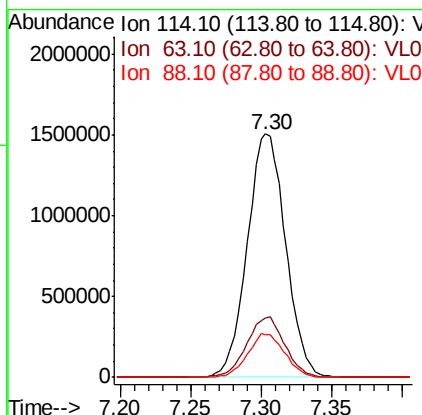
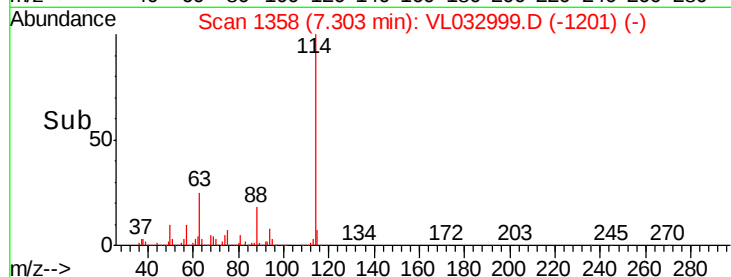
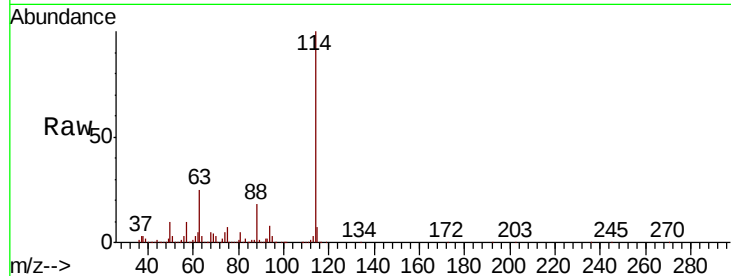
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.1	30.1
88	17.5	14.2	21.4

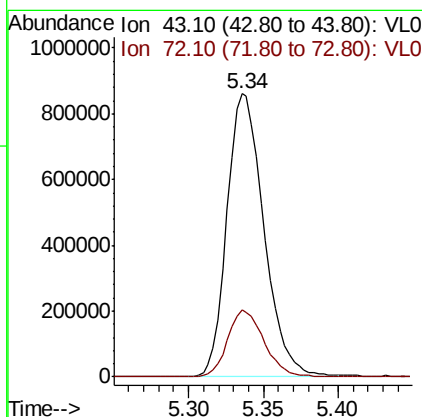
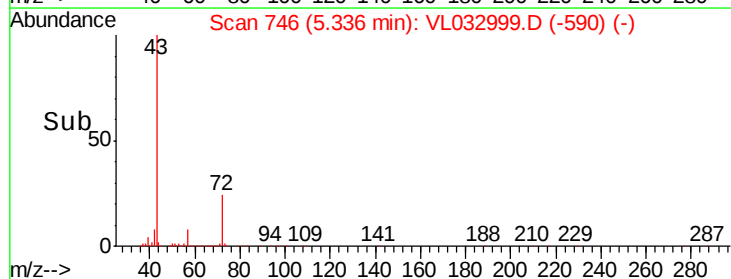
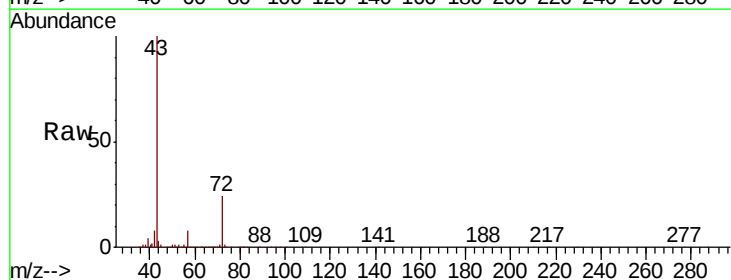
Manual Integrations
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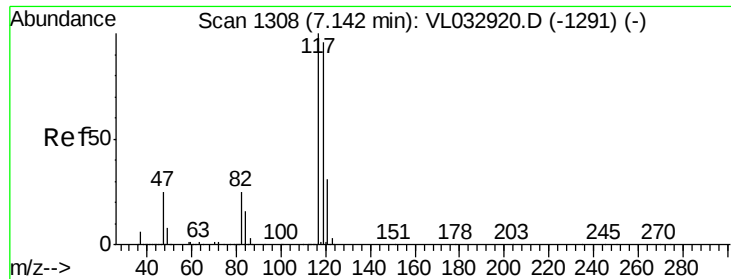
MMDadoda
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#34
 2-Butanone
 Concen: 11.797 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.8	28.2





#35

Carbon Tetrachloride

Concen: 9.371 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

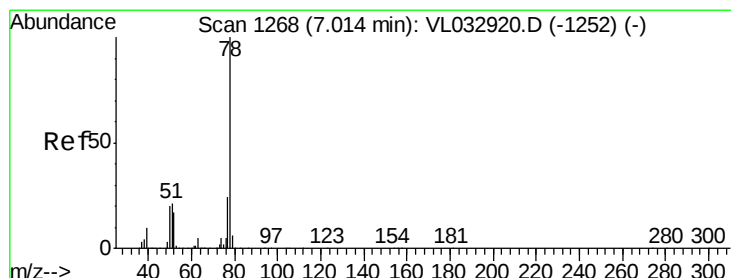
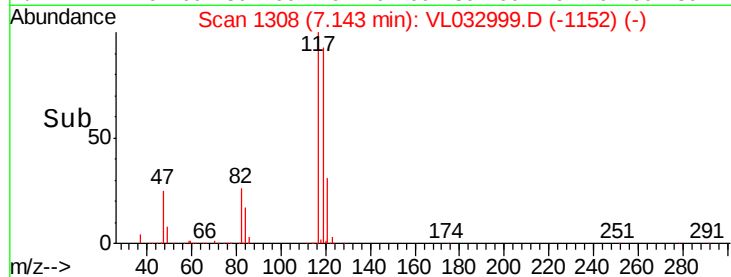
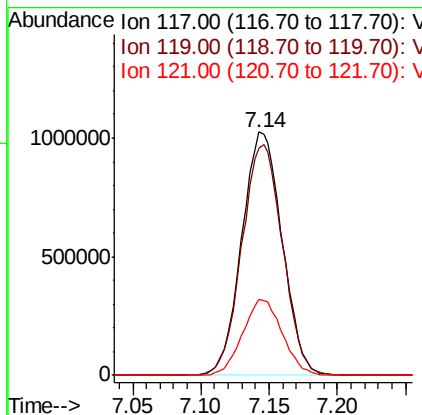
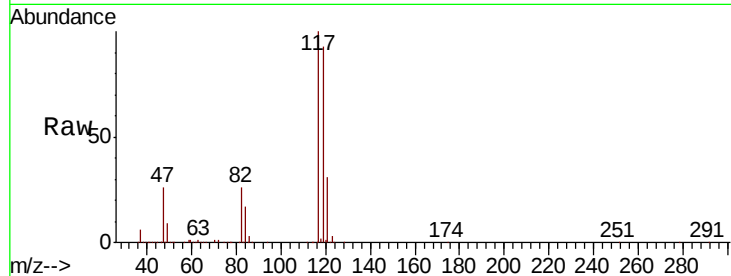
ClientSampleId :

VL1217ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.5	114.7
121	31.0	24.5	36.7

Manual Integrations
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#36

Benzene

Concen: 10.229 ppbv

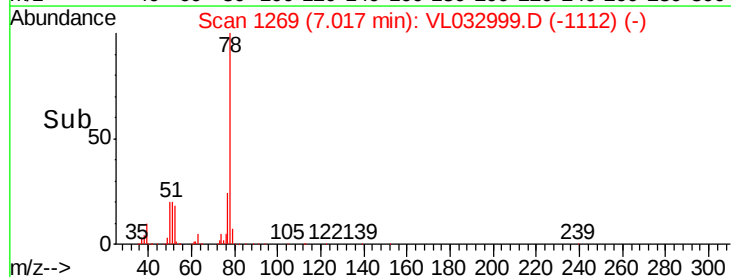
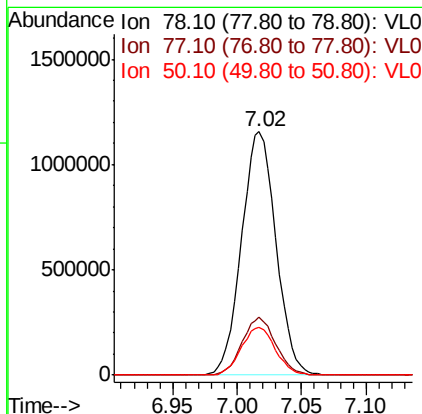
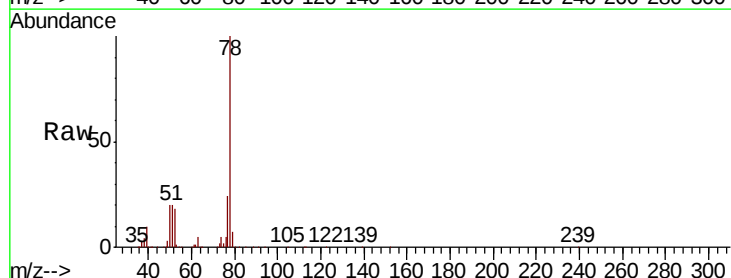
RT: 7.02 min Scan# 1269

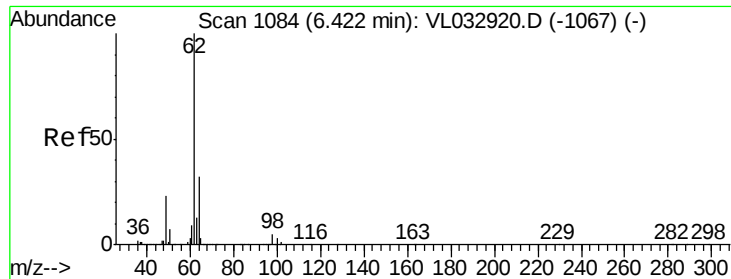
Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3
50	19.7	16.1	24.1





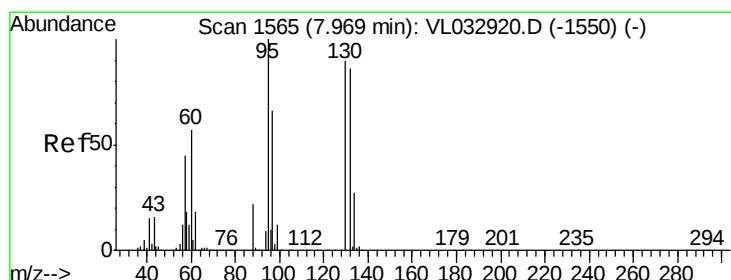
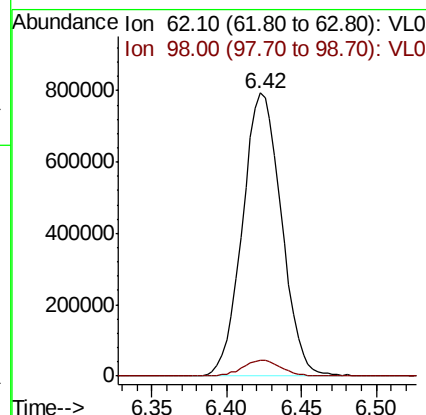
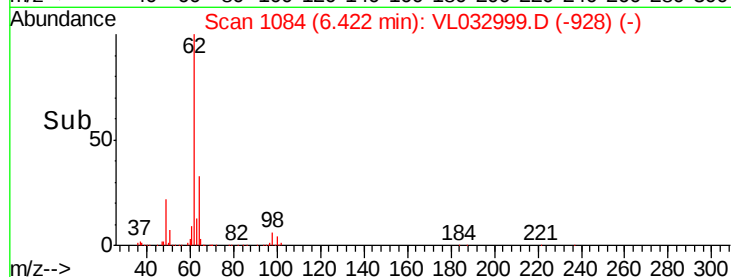
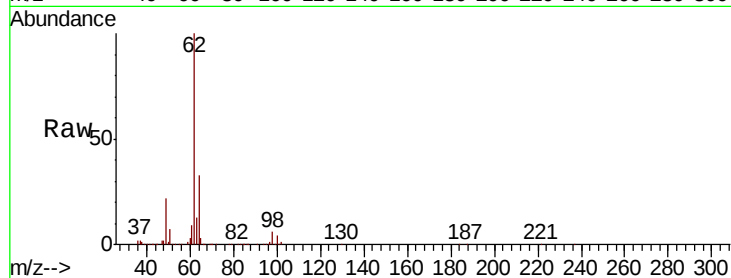
#37
 1,2-Dichloroethane
 Concen: 10.031 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion: 62 Resp: 1436660
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.3 6.5

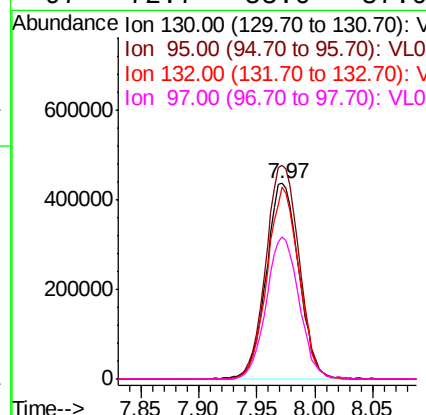
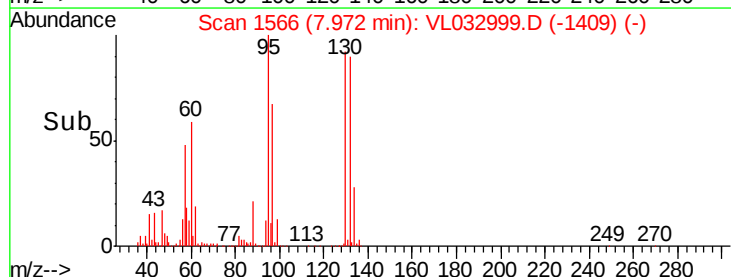
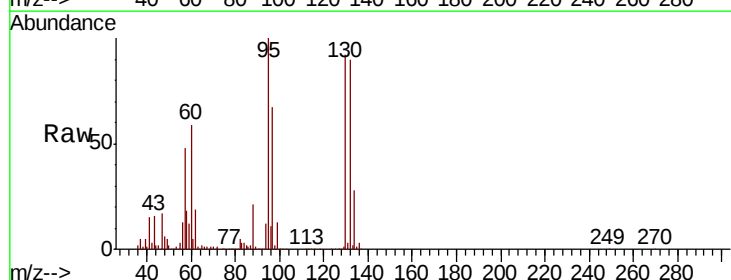
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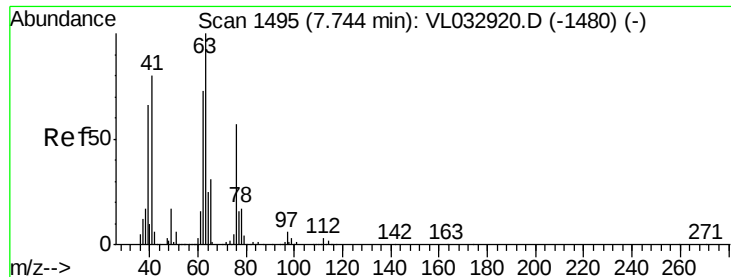
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#38
 Trichloroethene
 Concen: 9.744 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Tgt Ion: 130 Resp: 852974
 Ion Ratio Lower Upper
 130 100
 95 109.1 88.6 132.8
 132 97.9 76.1 114.1
 97 72.7 58.0 87.0





#39

1,2-Dichloropropane

Concen: 9.437 ppbv

RT: 7.75 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

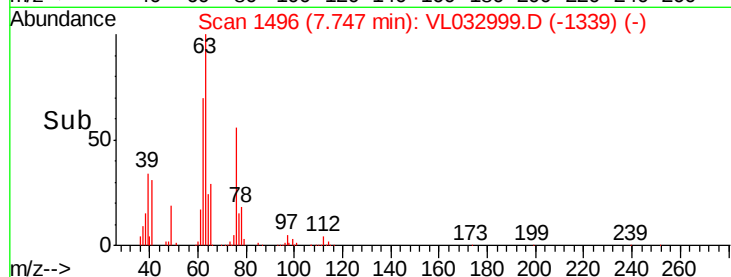
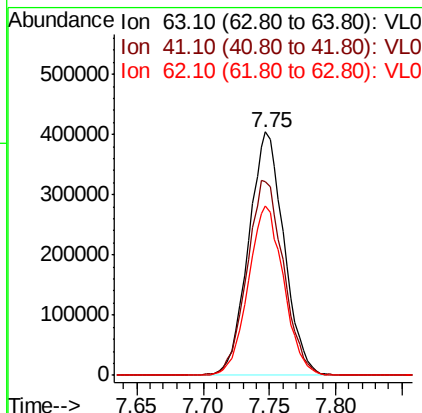
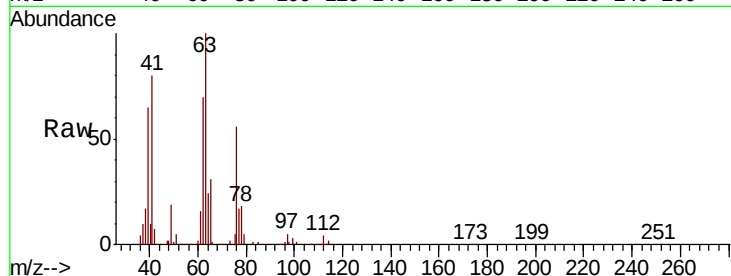
ClientSampleId :

VL1217ABS01

Tot Ion:	63	Resp:	752816
Ion Ratio	Lower	Upper	
63	100		
41	79.7	63.9	95.9
62	69.8	58.8	88.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.080 ppbv

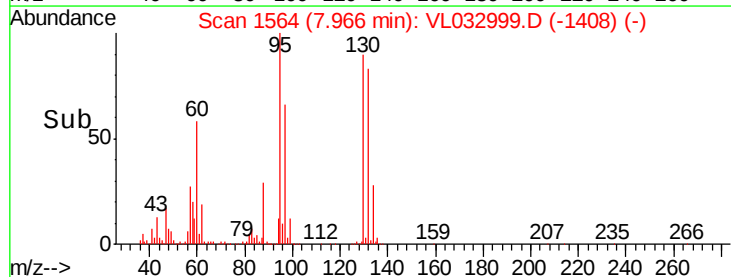
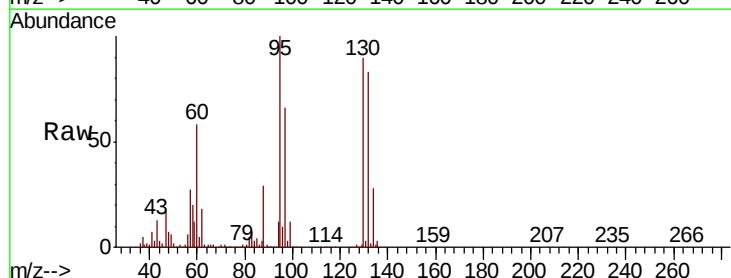
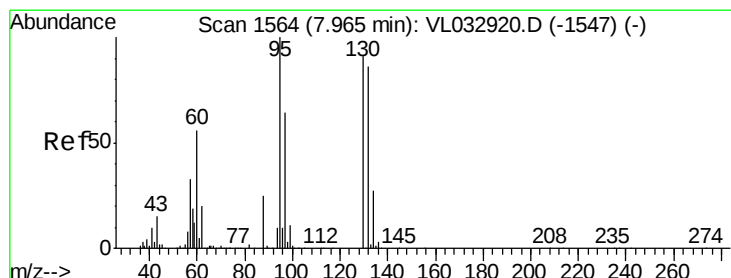
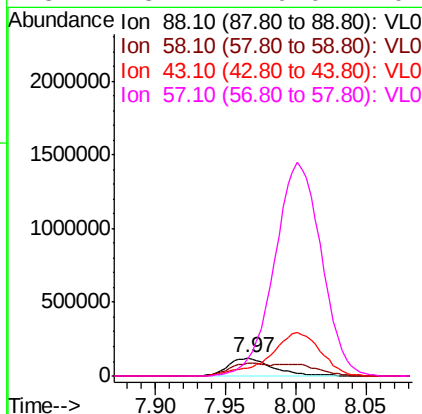
RT: 7.97 min Scan# 1564

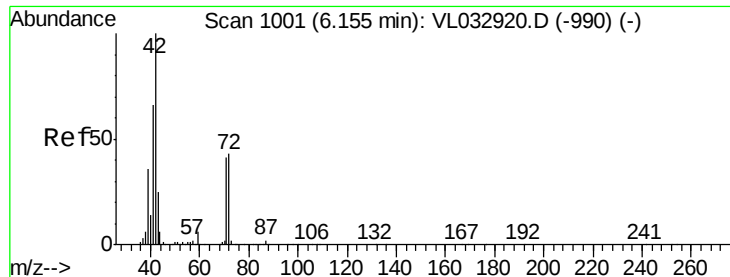
Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Tgt Ion:	88	Resp:	266803
Ion Ratio	Lower	Upper	
88	100		
58	126.7	107.4	161.2
43	276.6	0.0	0.0#
57	1257.2	0.0	0.0#





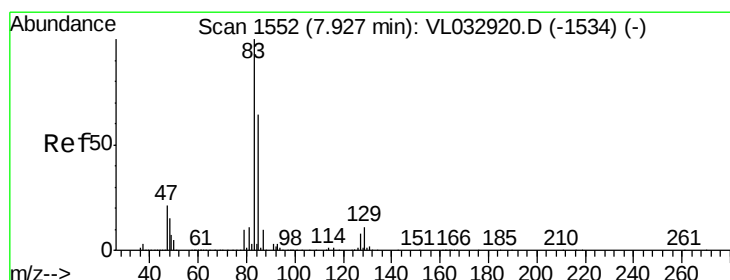
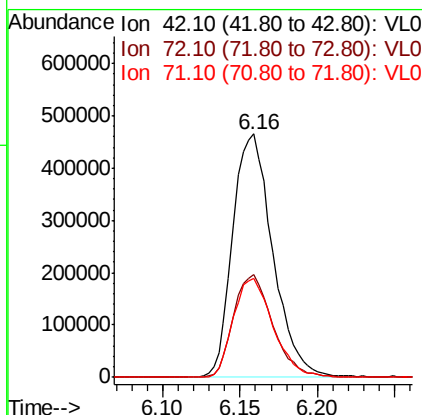
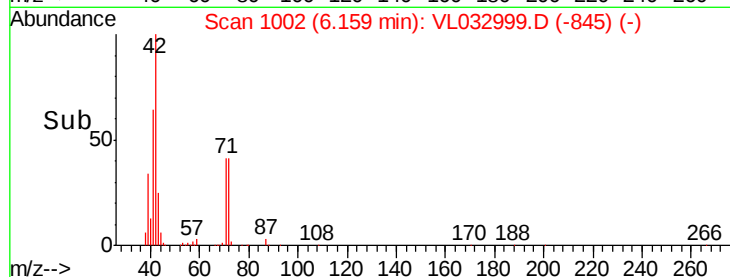
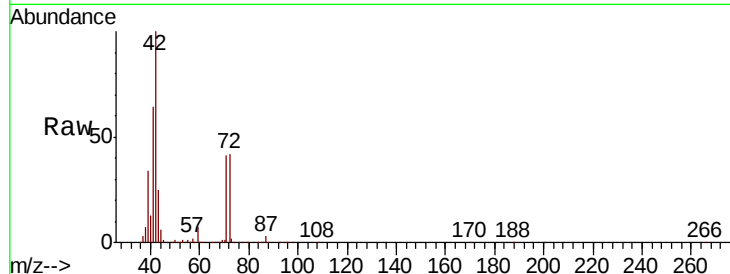
#41
Tetrahydrofuran
Concen: 10.779 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.9	49.3
71	40.6	32.0	48.0

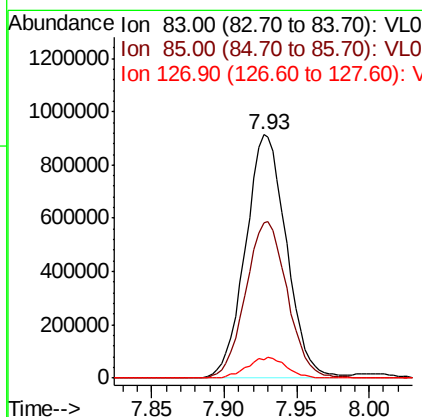
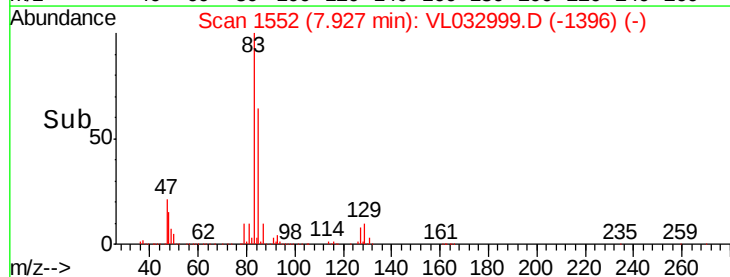
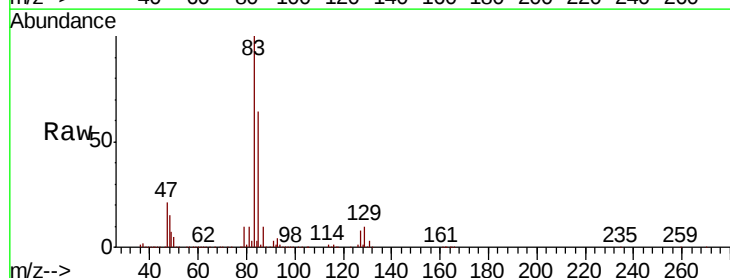
Manual Integrations
APPROVED

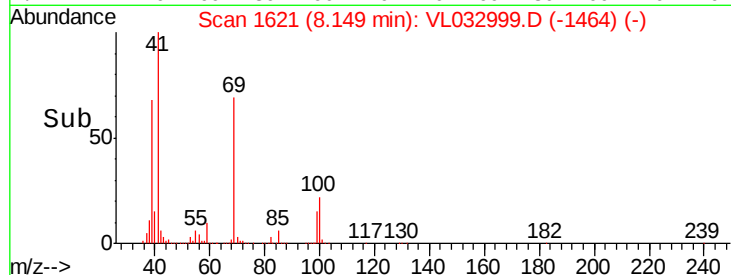
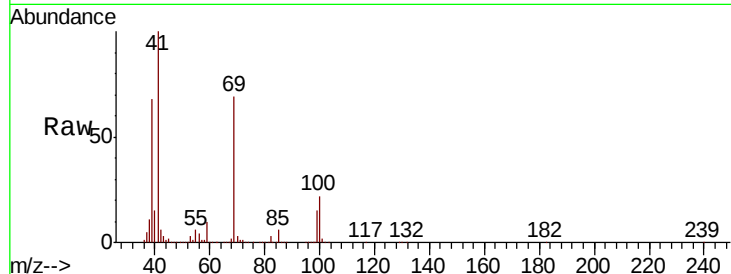
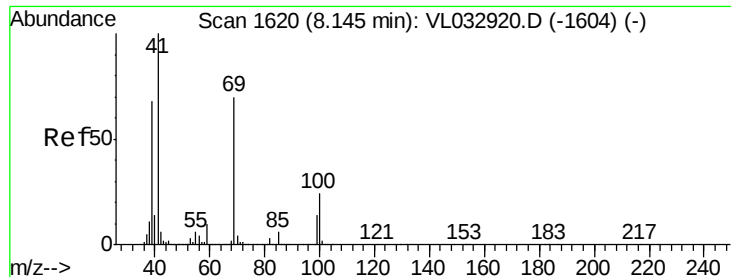
MMDadoda
12/19/2018 1:56:43 PM



#42
Bromodichloromethane
Concen: 9.038 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.9	76.3
127	7.7	6.7	10.1





#43

Methvl Methacrilate

Concen: 9.791 ppbv

RT: 8.15 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VL032999.D

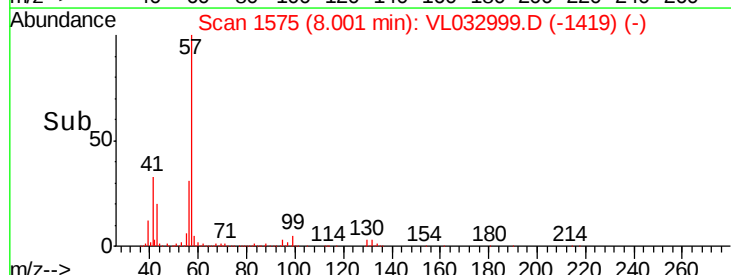
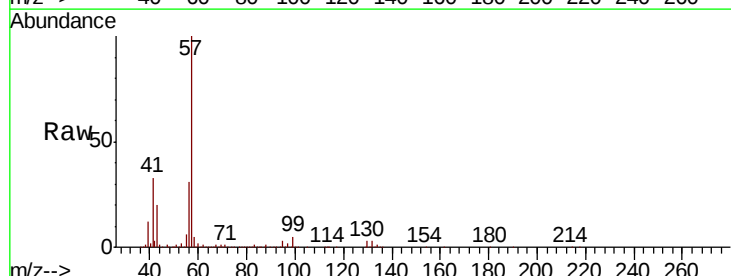
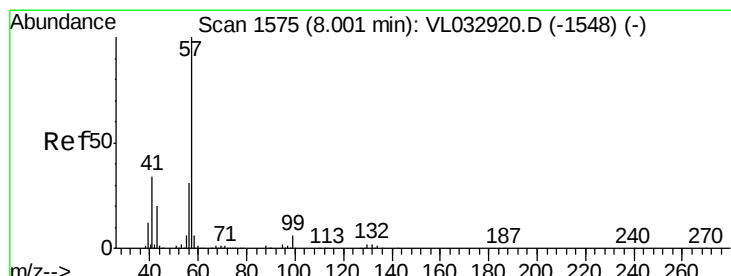
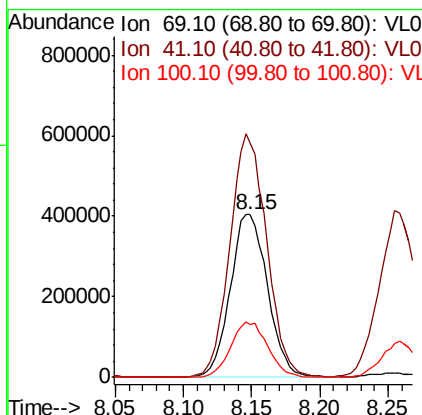
Acq: 17 Dec 2018 15:11

Tot Ion	Ratio	Lower	Upper
69	100		
41	147.7	116.6	175.0
100	34.1	26.5	39.7

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

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12/19/2018 1:56:43 PM



#44

2,2,4-Trimethylpentane

Concen: 9.382 ppbv

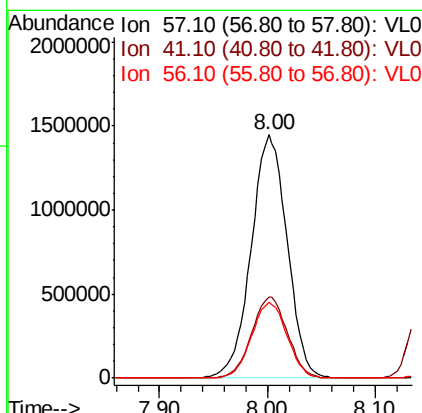
RT: 8.00 min Scan# 1575

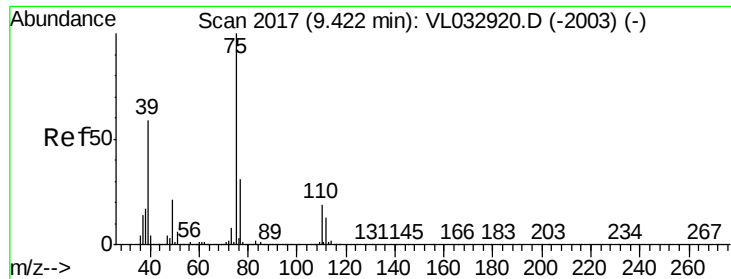
Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.9	27.0	40.4
56	30.8	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 12.586 ppbv

RT: 9.43 min Scan# 2019

Delta R.T. 0.01 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 75 Resp: 1202832

Ion Ratio Lower Upper

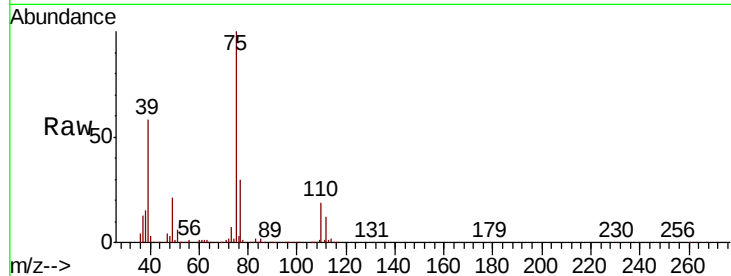
75 100

77 30.1 24.8 37.2

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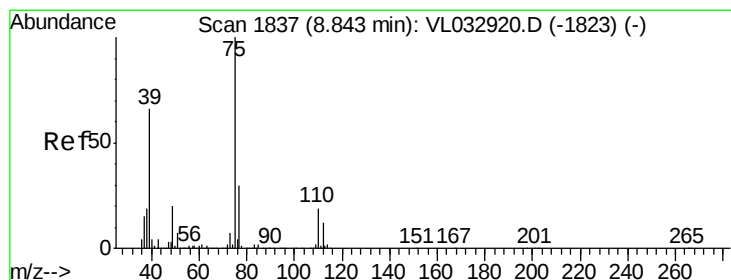
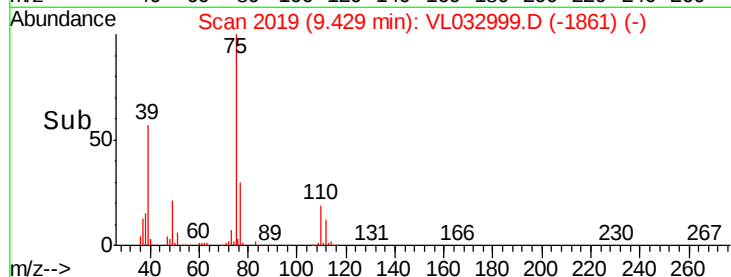
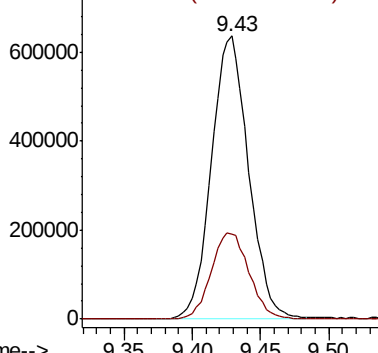
MMDadoda

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.622 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

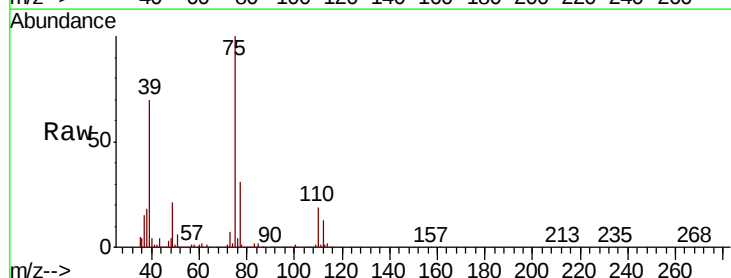
Tgt Ion: 75 Resp: 1359416

Ion Ratio Lower Upper

75 100

39 70.1 52.8 79.2

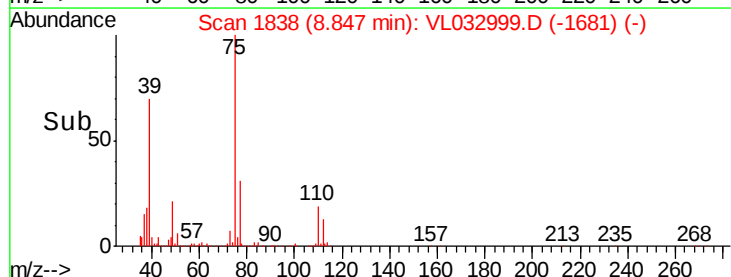
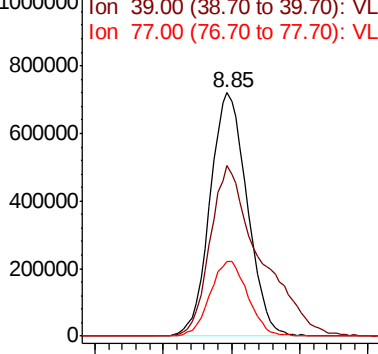
77 30.6 24.3 36.5

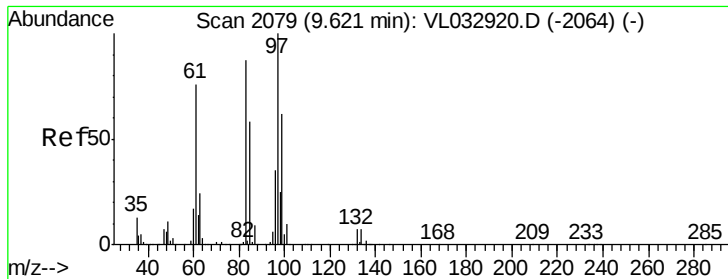


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





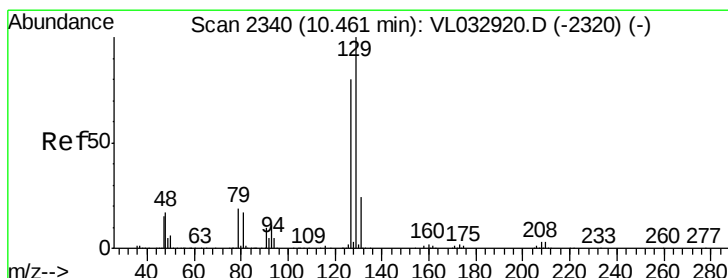
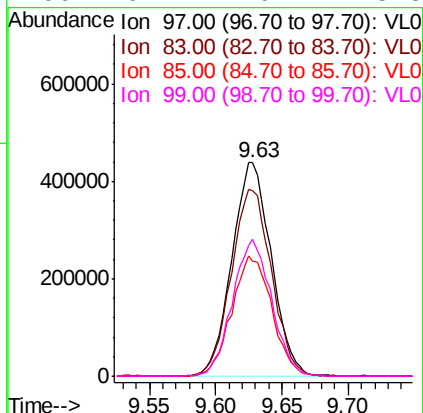
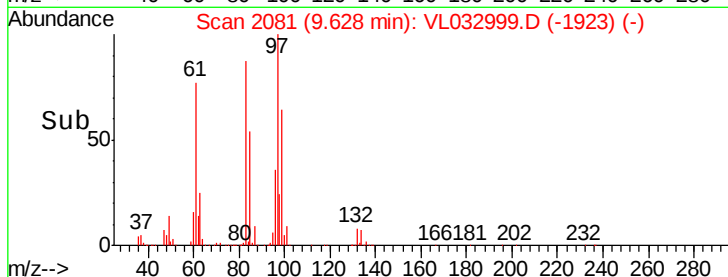
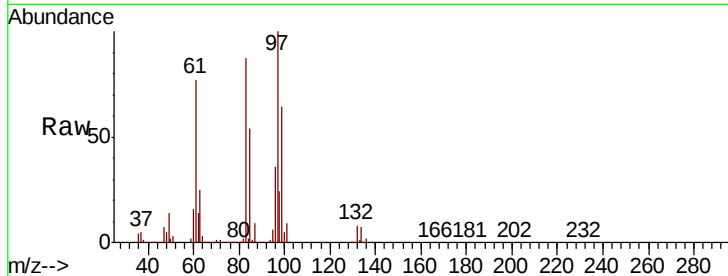
#47
 1,1,2-Trichloroethane
 Concen: 10.274 ppbv
 RT: 9.63 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		902135		
83	87.1	69.8	104.8		
85	53.5	46.7	70.1		
99	64.2	49.2	73.8		

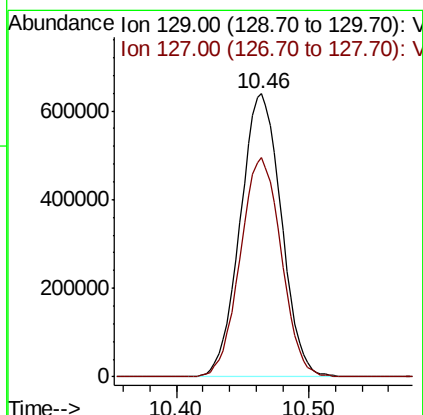
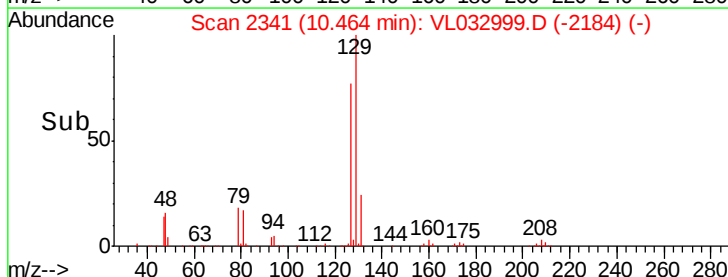
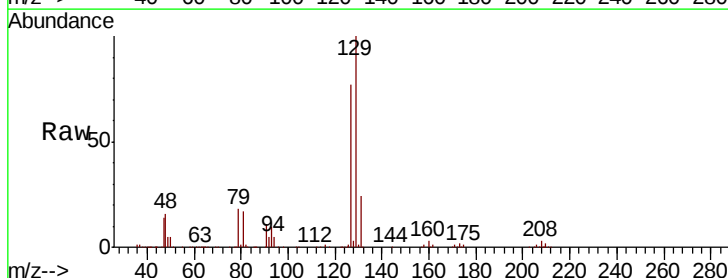
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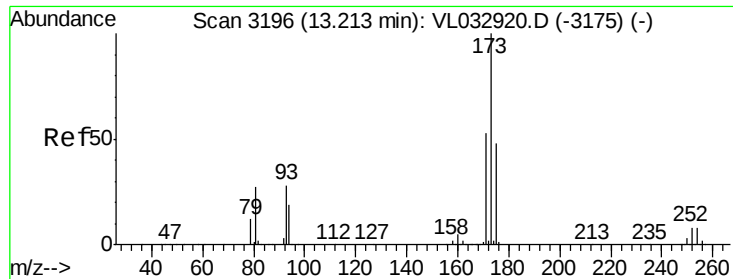
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#48
 Dibromochloromethane
 Concen: 8.348 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1375098		
127	77.8	39.3	117.8		





#49

Bromoform

Concen: 11.231 ppbv

RT: 13.22 min Scan# 3198

Delta R.T. 0.01 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion:173 Resp: 1521590

Ion Ratio Lower Upper

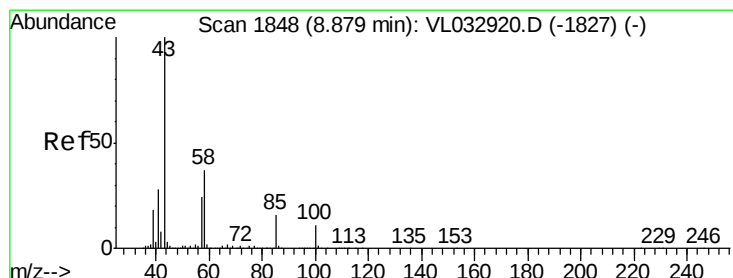
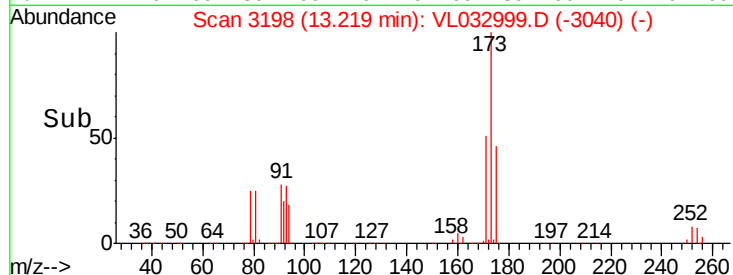
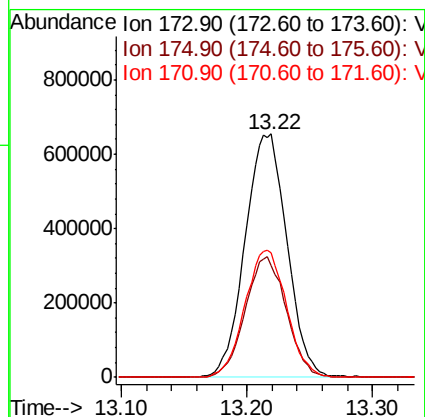
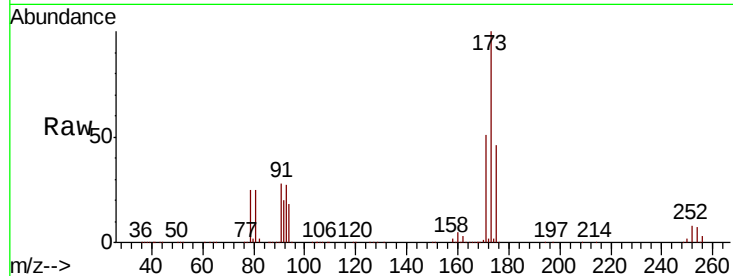
173 100

175 48.6 39.0 58.4

171 52.2 41.5 62.3

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12/19/2018 1:56:43 PM



#50

4-Methyl-2-Pentanone

Concen: 10.339 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL032999.D

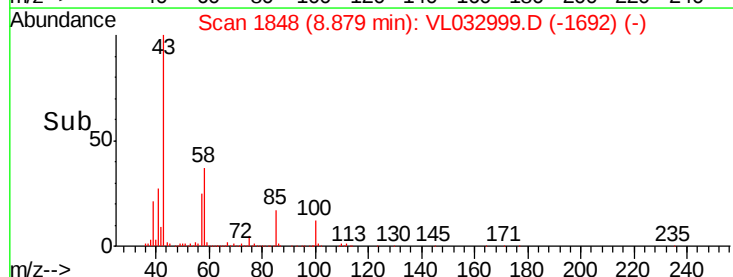
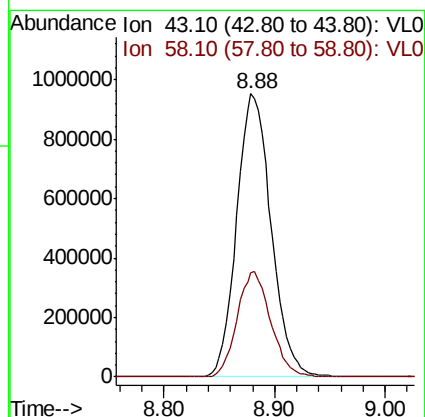
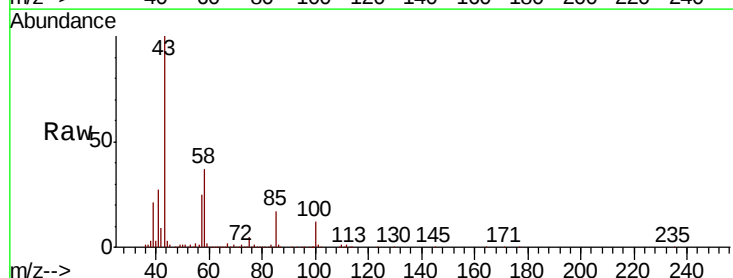
Acq: 17 Dec 2018 15:11

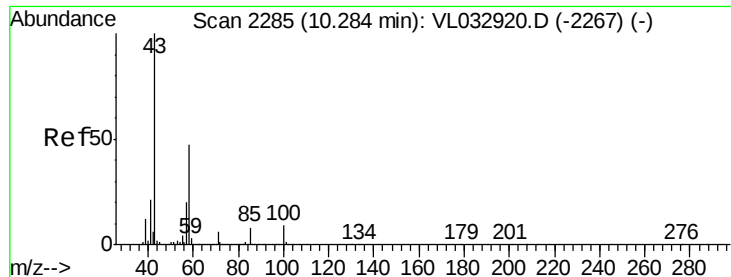
Tgt Ion: 43 Resp: 2059492

Ion Ratio Lower Upper

43 100

58 36.3 29.0 43.4





#51

2-Hexanone

Concen: 9.449 ppbv

RT: 10.28 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 43 Resp: 1276556

Ion Ratio Lower Upper

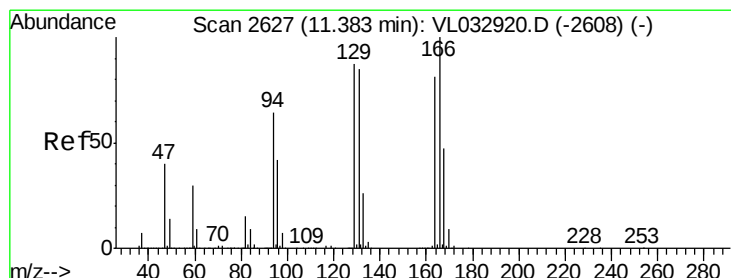
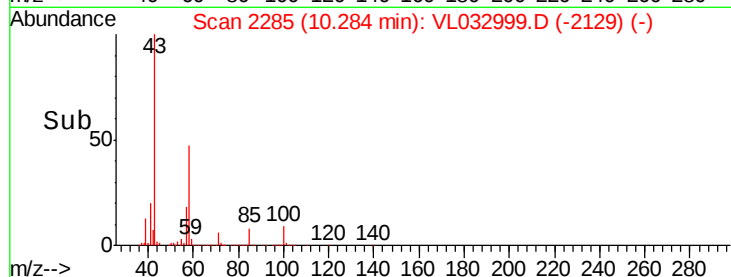
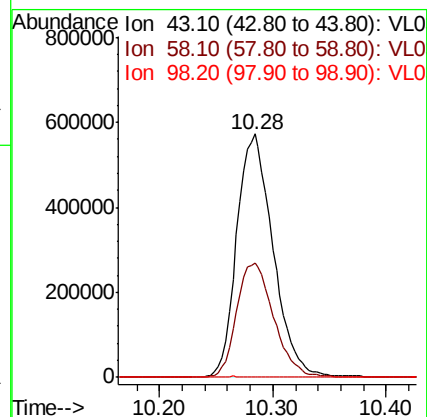
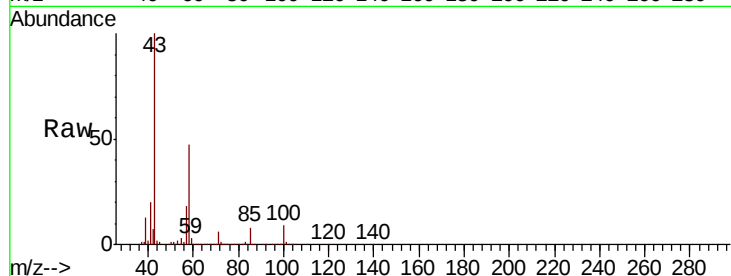
43 100

58 48.5 38.1 57.1

98 0.5 0.4 0.6

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12/19/2018 1:56:43 PM



#52

Tetrachloroethene

Concen: 12.238 ppbv

RT: 11.38 min Scan# 2627

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Tgt Ion: 164 Resp: 936386

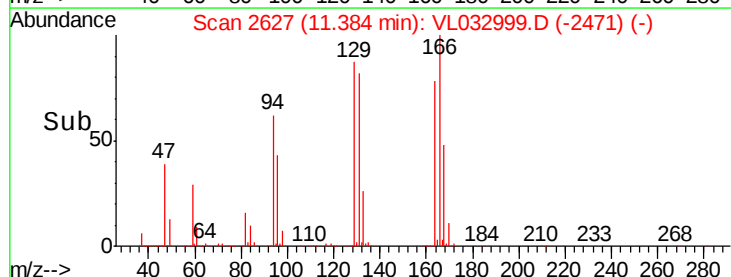
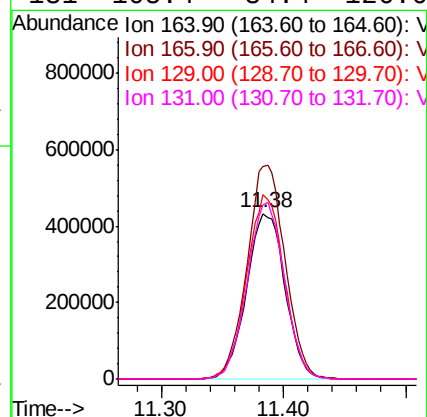
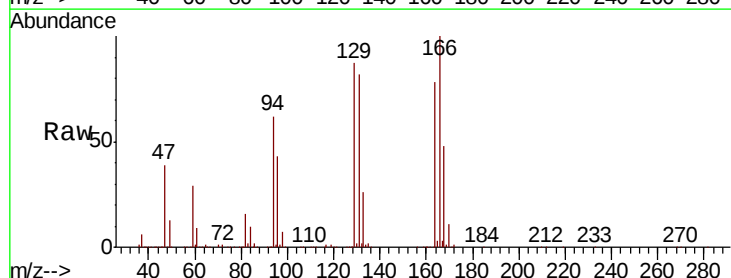
Ion Ratio Lower Upper

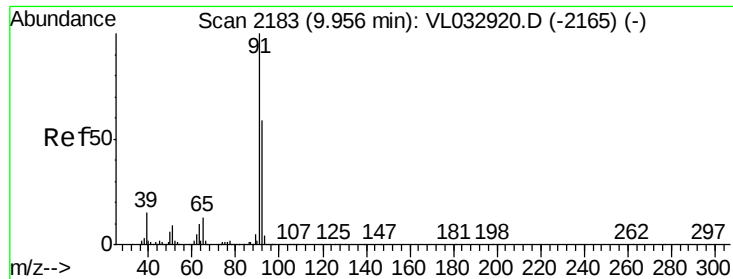
164 100

166 128.4 98.8 148.2

129 111.5 85.5 128.3

131 105.4 84.4 126.6





#53

Toluene

Concen: 8.996 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 91 Resp: 2006965

Ion Ratio Lower Upper

91 100

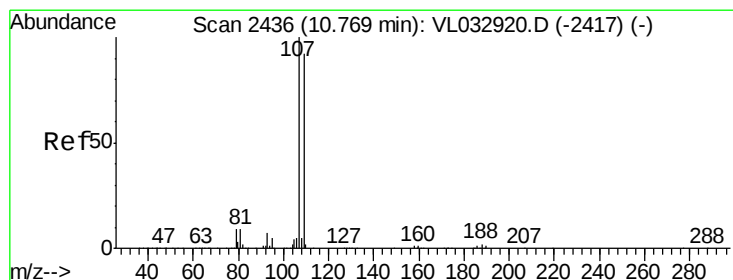
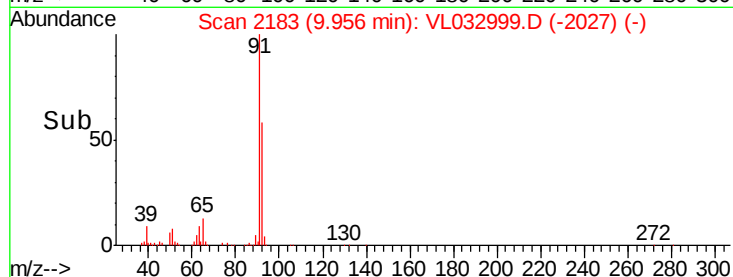
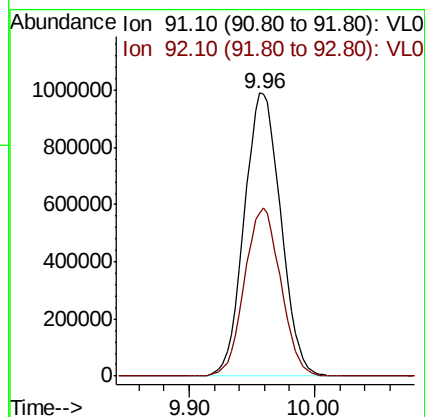
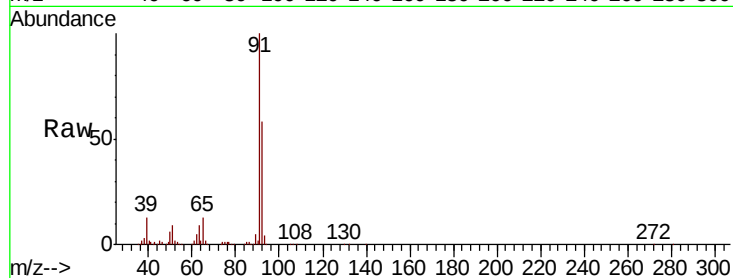
92 58.9 47.4 71.0

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12/19/2018 1:56:43 PM



#54

1,2-Dibromoethane

Concen: 8.127 ppbv

RT: 10.77 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL032999.D

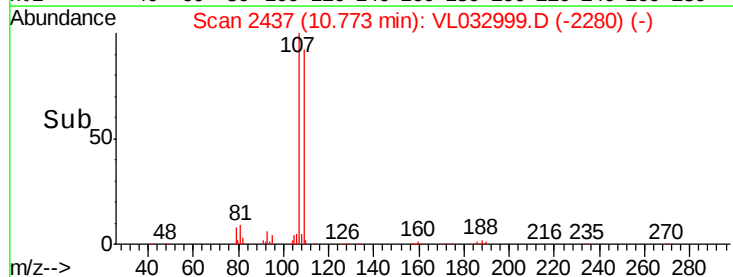
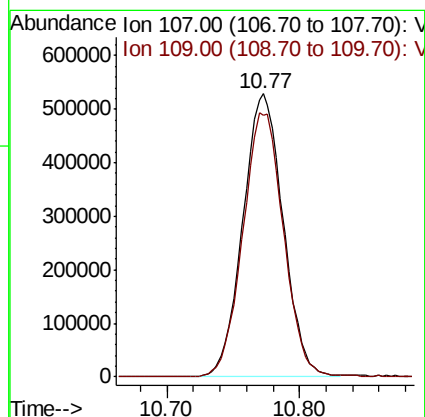
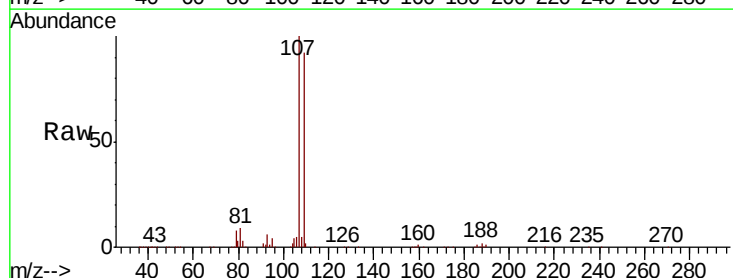
Acq: 17 Dec 2018 15:11

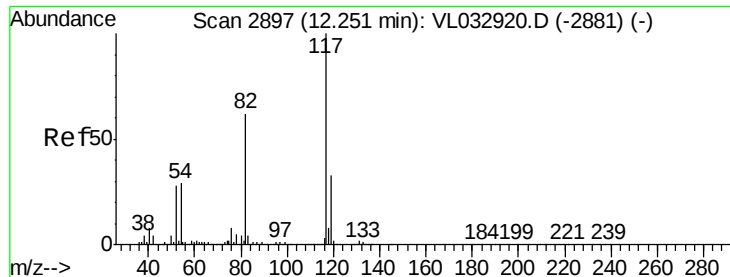
Tgt Ion: 107 Resp: 1114812

Ion Ratio Lower Upper

107 100

109 92.3 73.4 110.2





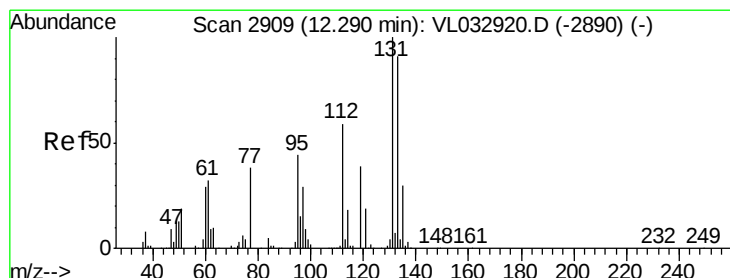
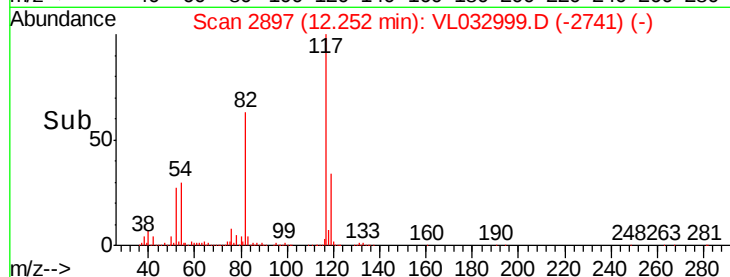
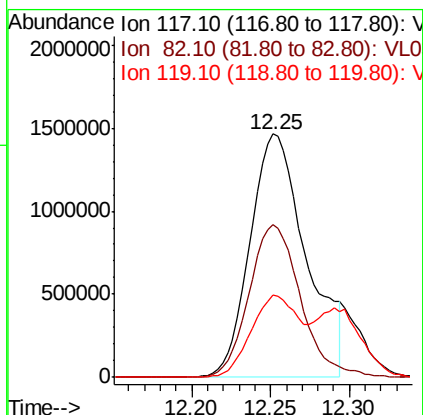
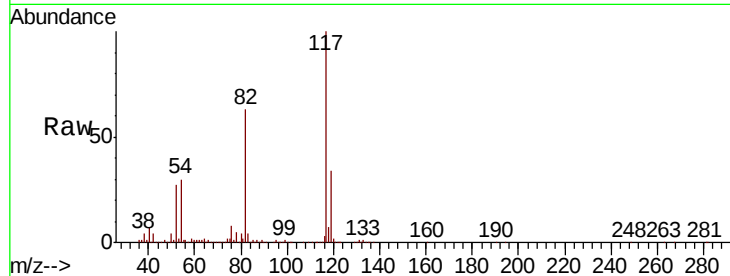
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.8	71.8
119	31.0	43.1	64.7#

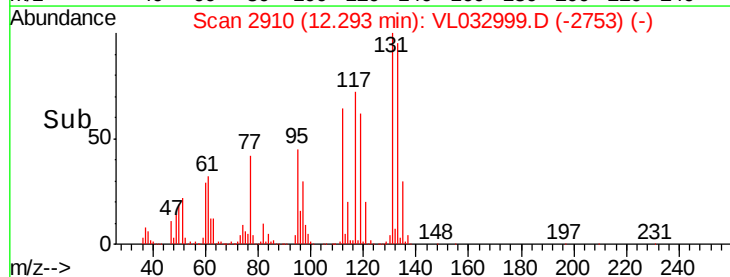
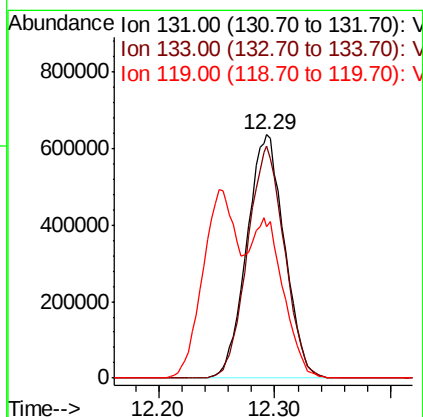
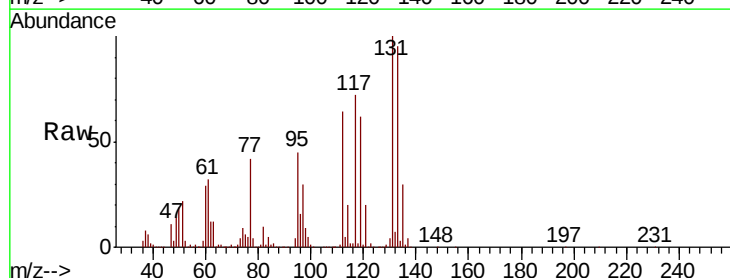
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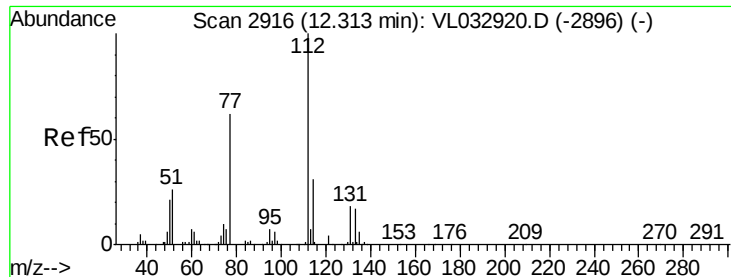
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12/19/2018 1:56:43 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.909 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	75.1	112.7
119	62.1	47.5	71.3





#57

Chlorobenzene

Concen: 8.824 ppbv

RT: 12.32 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 112 Resp: 2305528

Ion Ratio Lower Upper

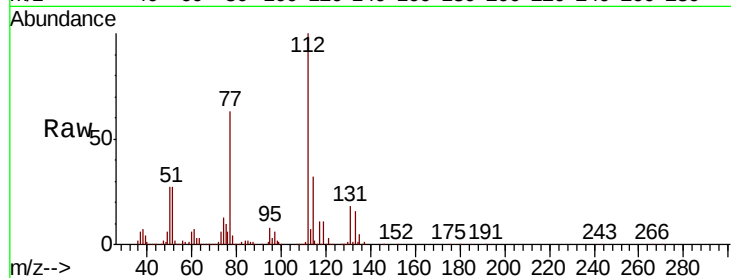
112 100

77 63.1 51.1 76.7

114 31.7 28.4 34.7

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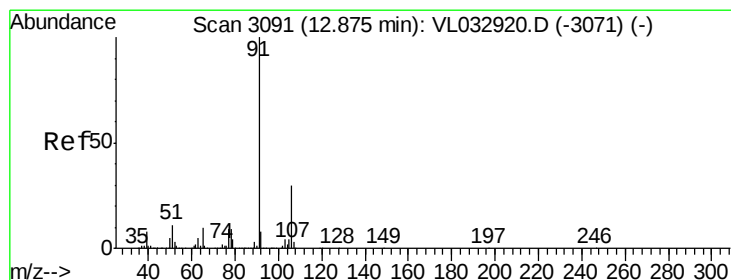
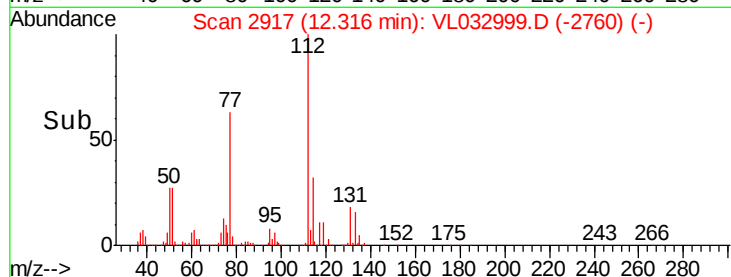
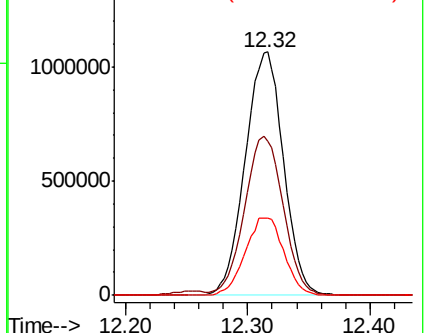
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.469 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. 0.00 min

Lab File: VL032999.D

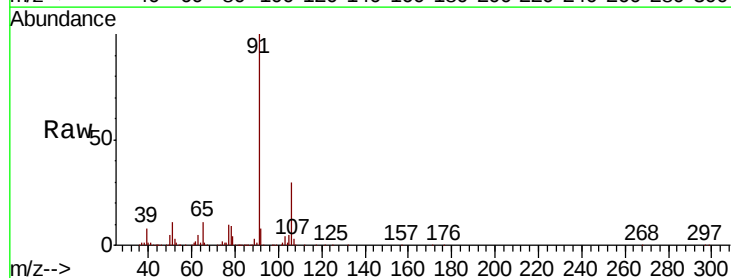
Acq: 17 Dec 2018 15:11

Tgt Ion: 91 Resp: 4039979

Ion Ratio Lower Upper

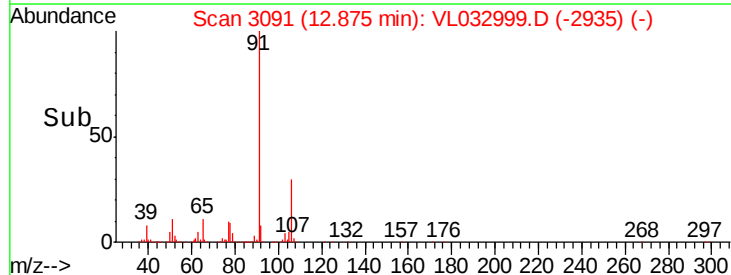
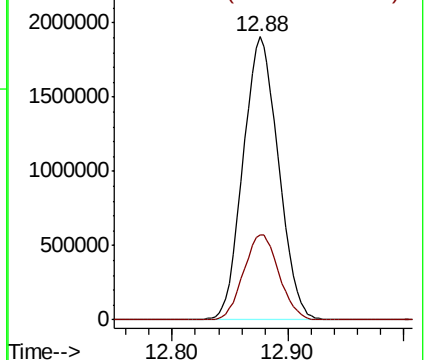
91 100

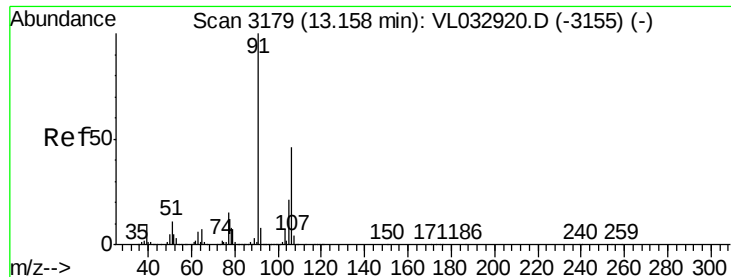
106 30.2 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





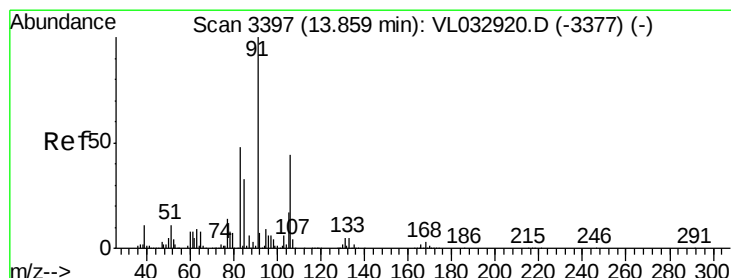
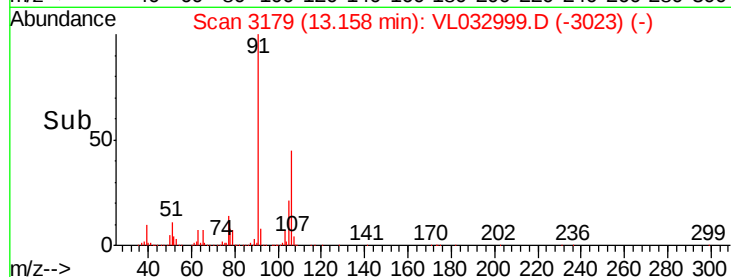
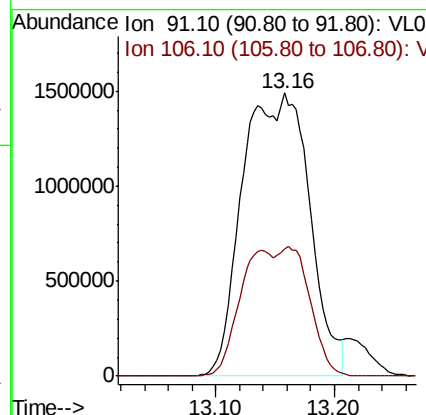
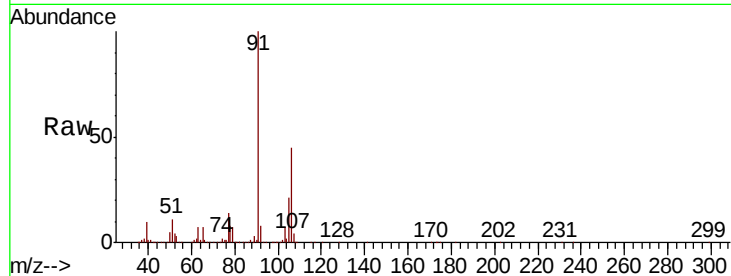
#59
m/p-Xylene
Concen: 16.812 ppbv m
RT: 13.16 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion: 91 Resp: 5882146
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

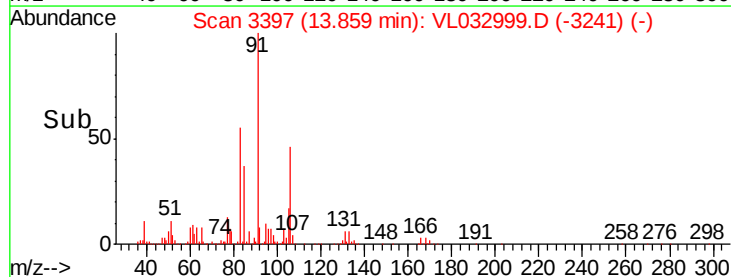
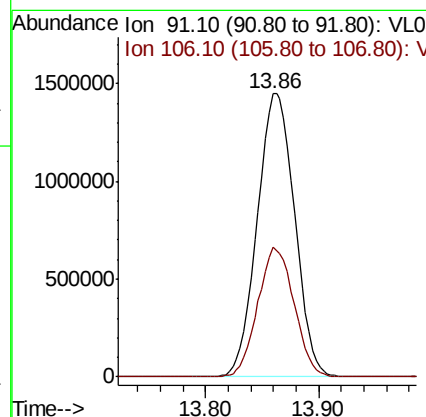
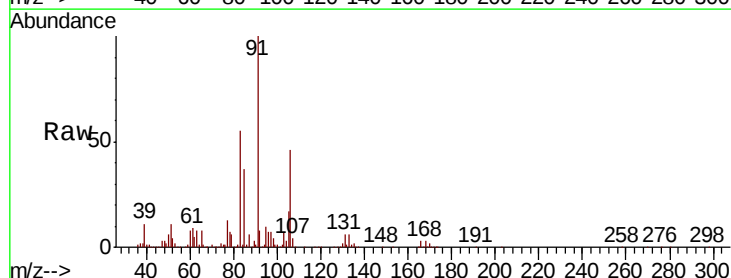
Manual Integrations
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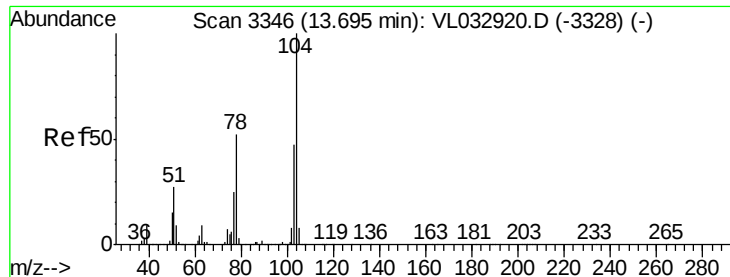
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#60
o-Xylene
Concen: 9.408 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion: 91 Resp: 3324204
Ion Ratio Lower Upper
91 100
106 44.4 21.9 65.8





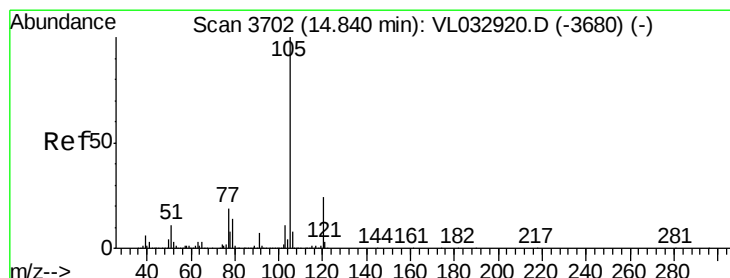
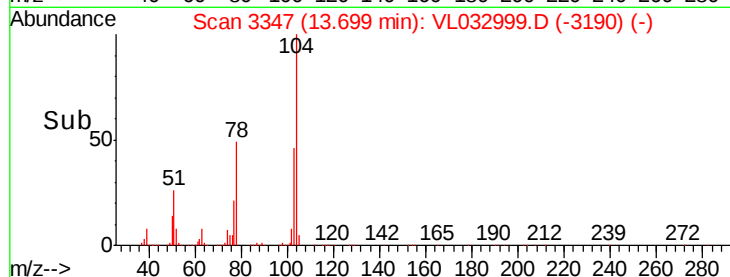
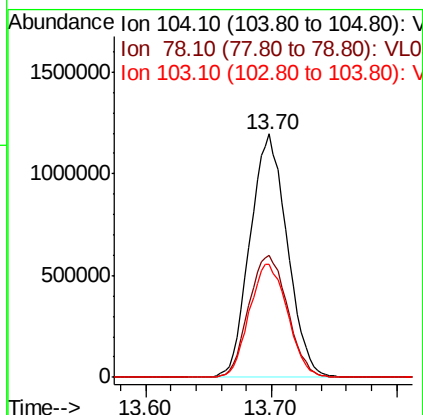
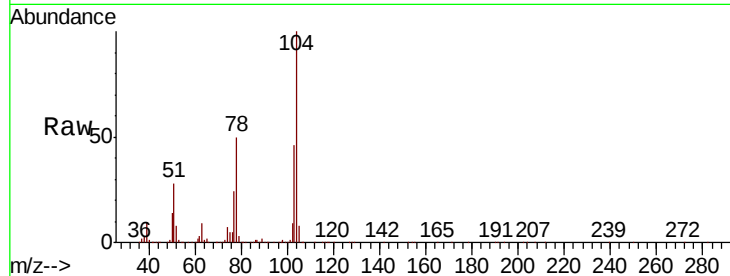
#61
Stvrene
Concen: 10.444 ppbv
RT: 13.70 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.0	63.0
103	48.1	38.3	57.5

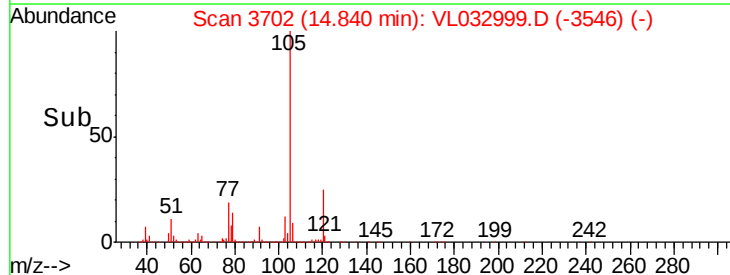
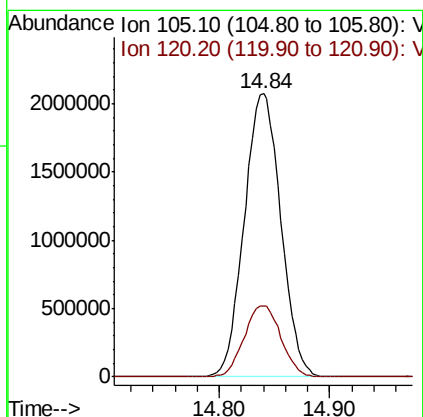
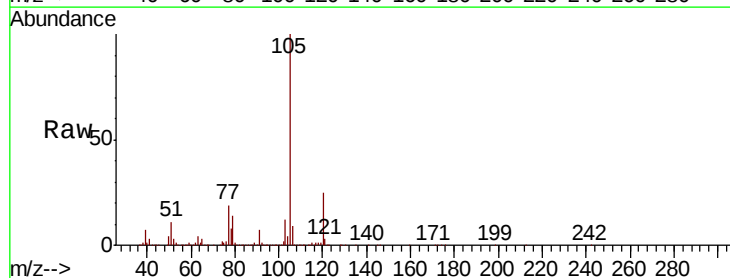
Manual Integrations
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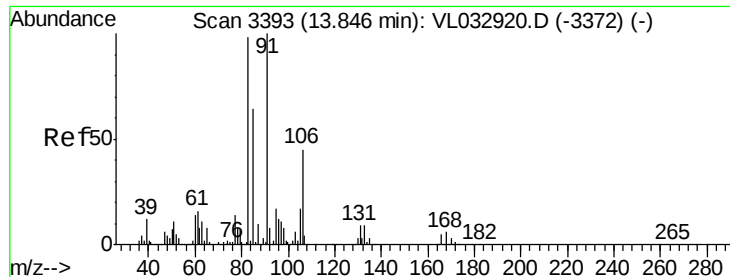
MMDadoda
12/19/2018 1:56:43 PM



#62
Isopropylbenzene
Concen: 9.664 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.3	30.5





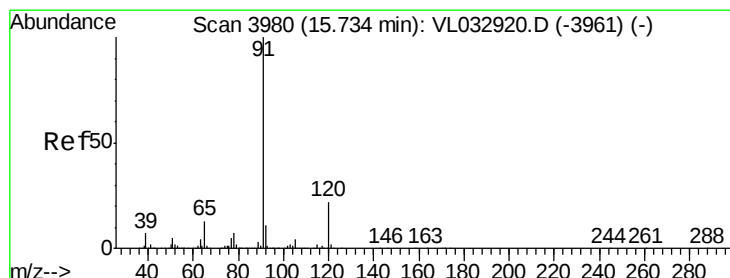
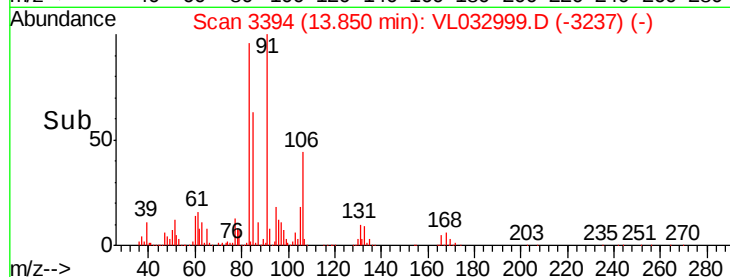
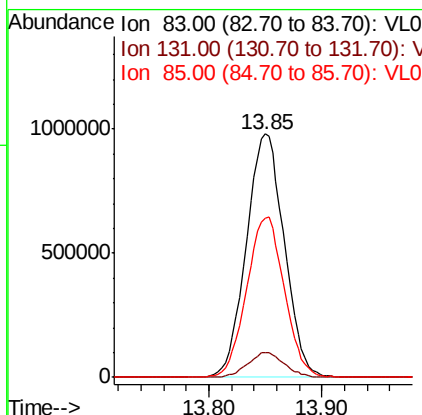
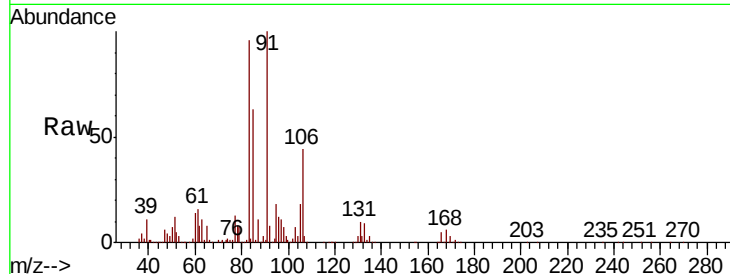
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.330 ppbv
 RT: 13.85 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion: 83 Resp: 2285245
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.9 14.6
 85 65.8 32.9 98.6

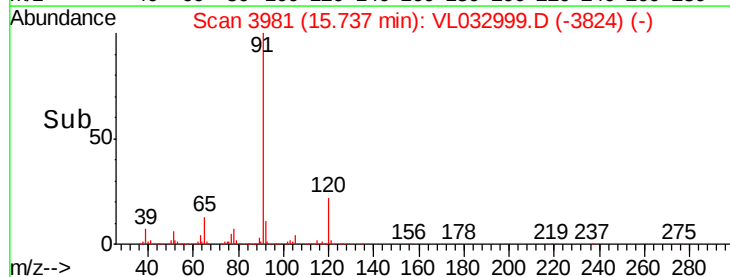
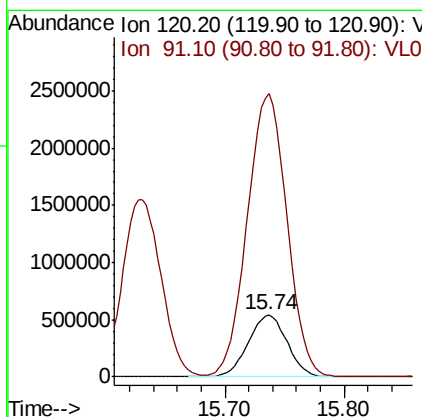
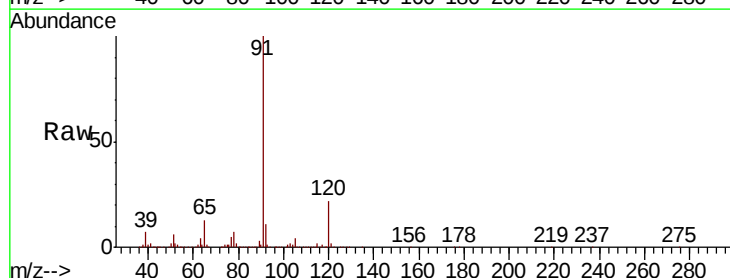
Manual Integrations
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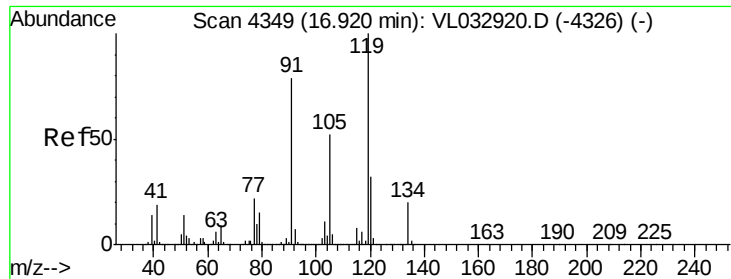
MMDadoda
 12/19/2018 1:56:43 PM



#64
 n-propylbenzene
 Concen: 9.521 ppbv
 RT: 15.74 min Scan# 3981
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Tgt Ion:120 Resp: 1219069
 Ion Ratio Lower Upper
 120 100
 91 469.9 380.4 570.6





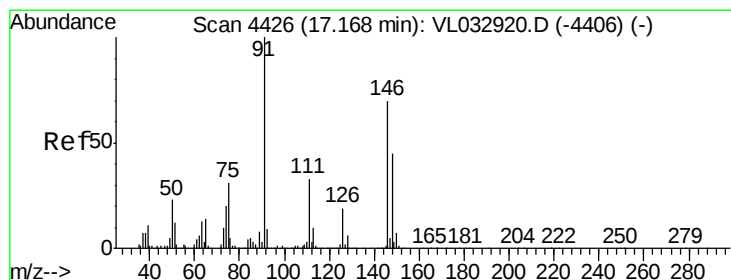
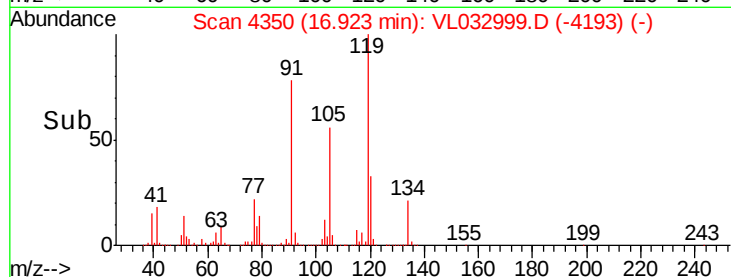
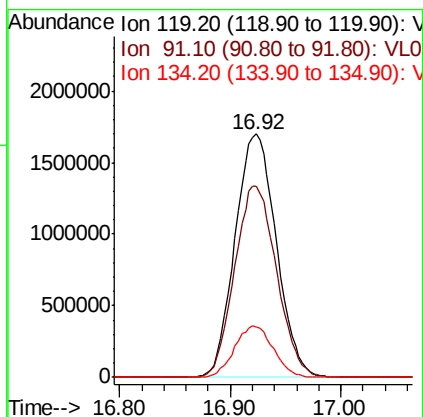
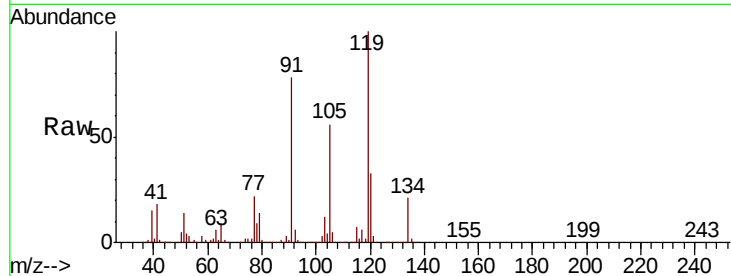
#65
tert-Butylbenzene
Concen: 9.614 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion:119 Resp: 4393835
Ion Ratio Lower Upper
119 100
91 80.2 64.5 96.7
134 19.8 15.7 23.5

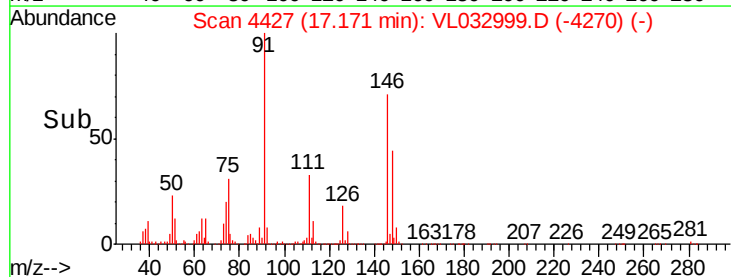
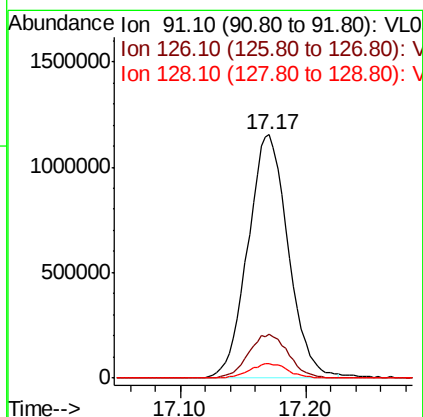
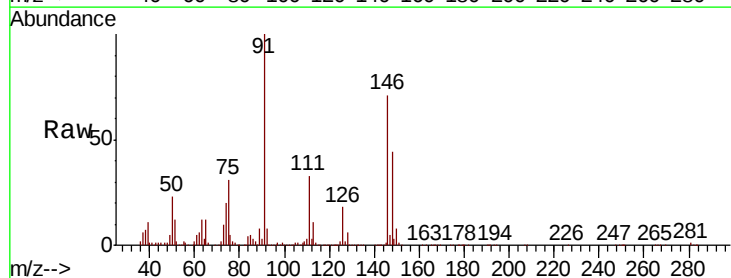
Manual Integrations
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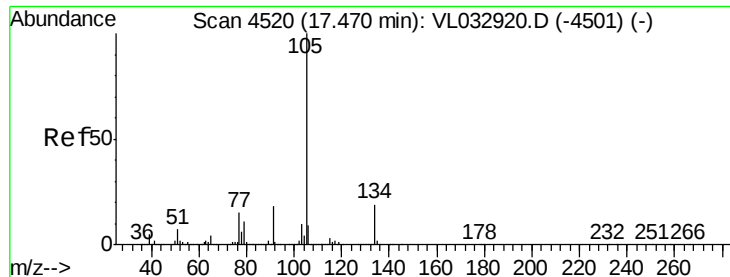
MMDadoda
12/19/2018 1:56:43 PM



#66
Benzyl Chloride
Concen: 10.161 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion: 91 Resp: 2573731
Ion Ratio Lower Upper
91 100
126 18.1 14.1 21.1
128 5.8 4.5 6.7





#67

sec-Butylbenzene

Concen: 9.099 ppbv

RT: 17.47 min Scan# 4521

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 105 Resp: 6130958

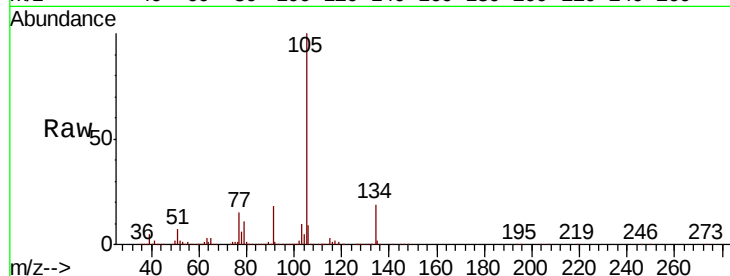
Ion Ratio Lower Upper

105 100

134 18.2 14.6 21.8

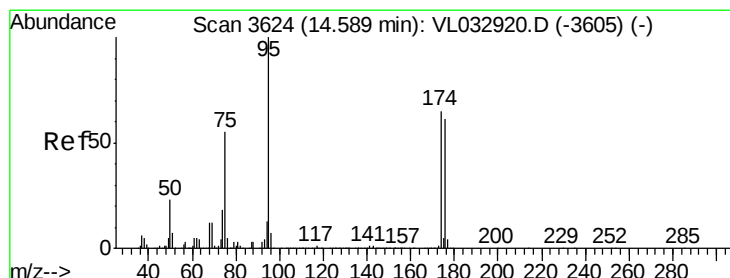
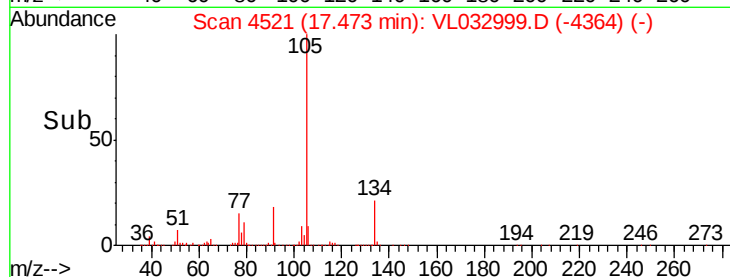
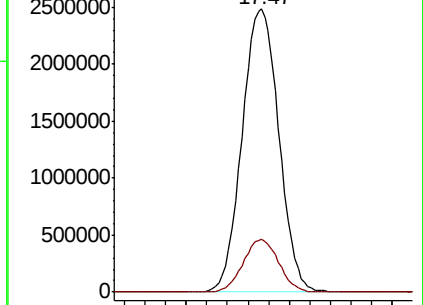
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.282 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL032999.D

Acq: 17 Dec 2018 15:11

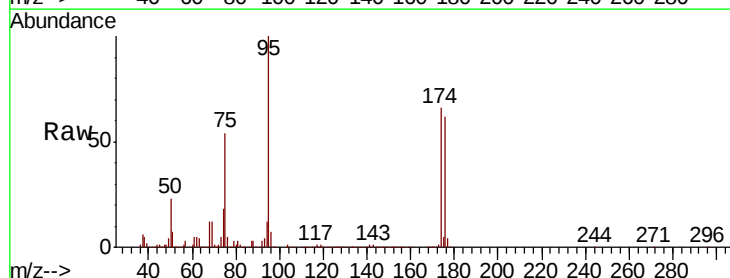
Tgt Ion: 95 Resp: 2480573

Ion Ratio Lower Upper

95 100

174 66.3 51.4 77.0

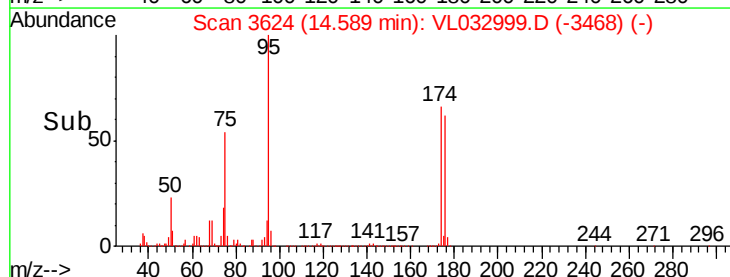
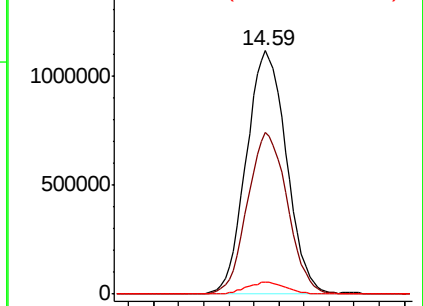
175 4.9 3.8 5.6

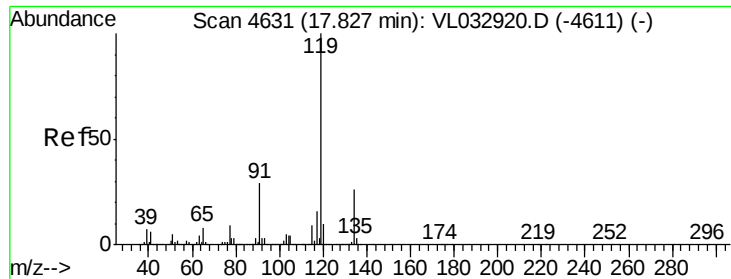


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





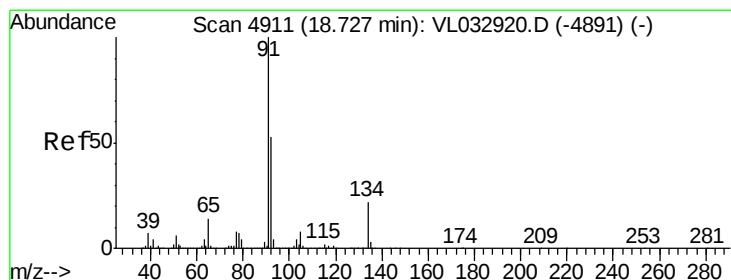
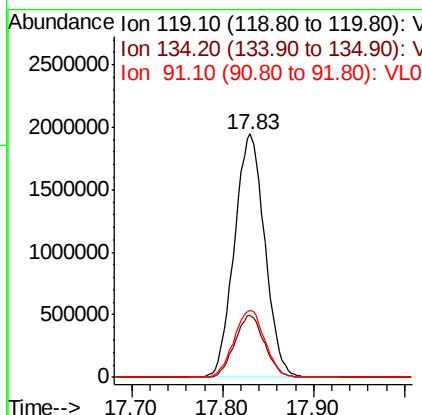
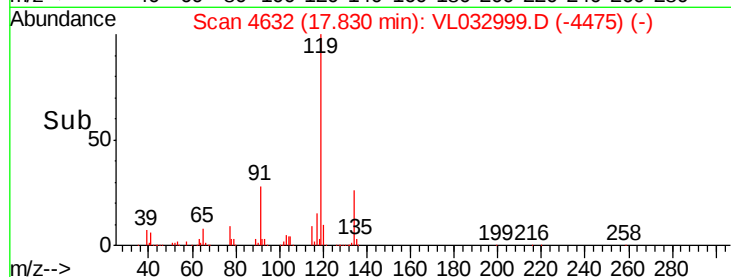
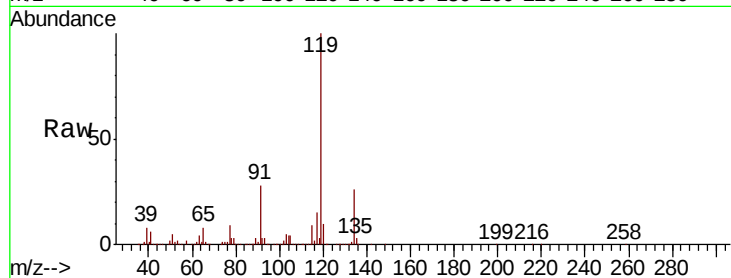
#69
p-Isopropyltoluene
Concen: 8.257 ppbv
RT: 17.83 min Scan# 4632
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	28.3	22.9	34.3

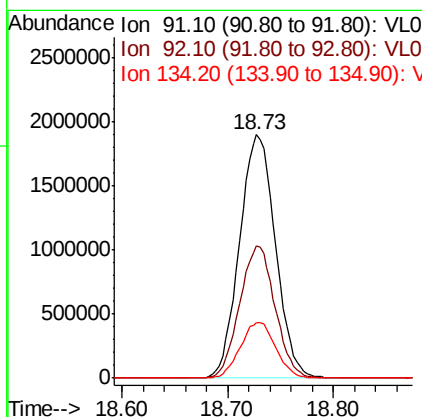
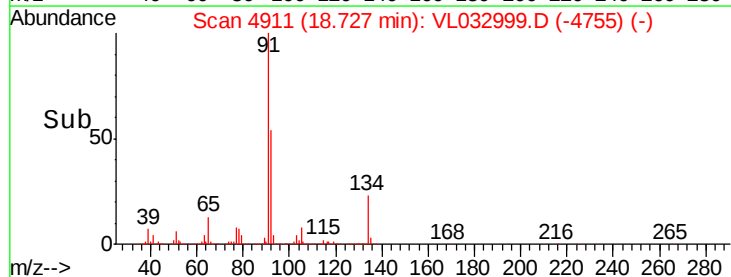
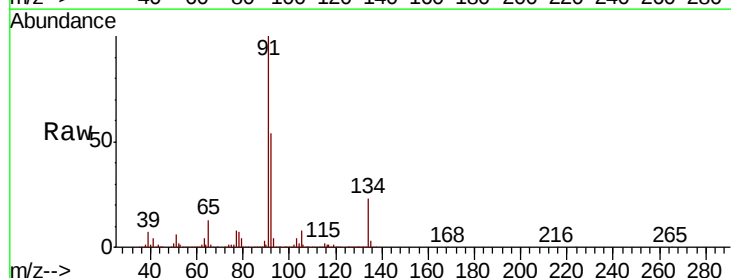
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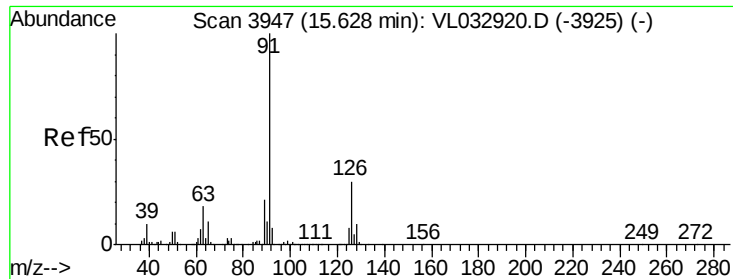
MMDadoda
12/19/2018 1:56:43 PM



#70
n-Butylbenzene
Concen: 8.939 ppbv
RT: 18.73 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	42.7	64.1
134	22.8	18.0	27.0





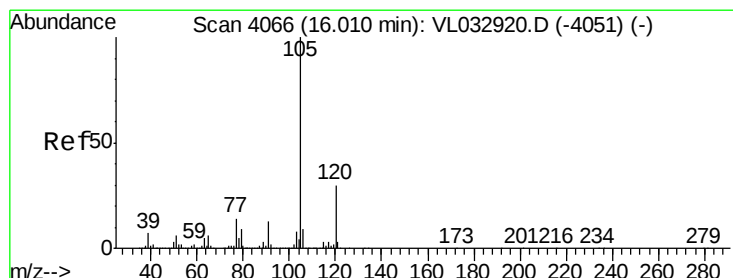
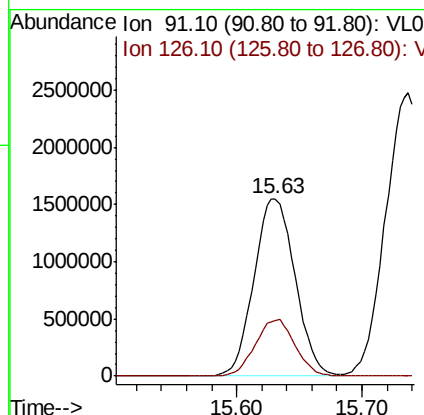
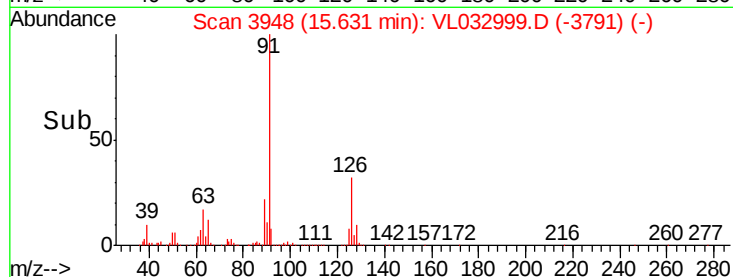
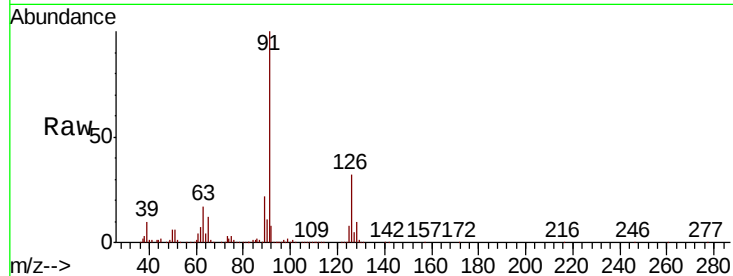
#71
2-Chlorotoluene
Concen: 9.647 ppbv
RT: 15.63 min Scan# 3948
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion: 91 Resp: 3536589
Ion Ratio Lower Upper
91 100
126 31.0 12.3 49.3

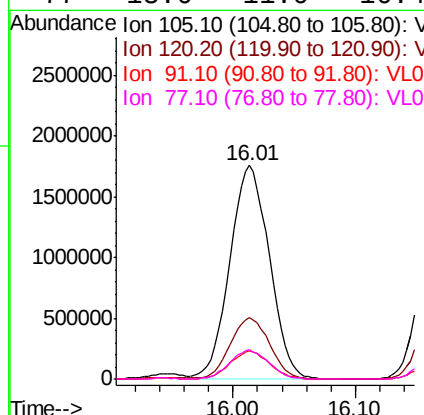
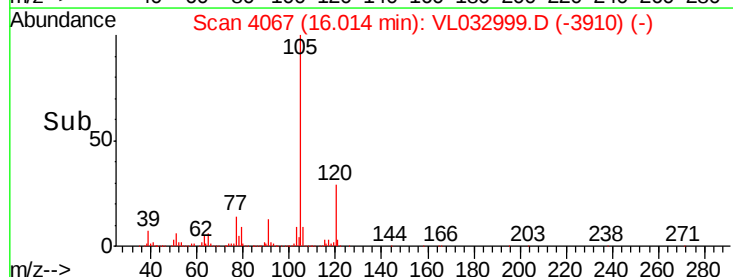
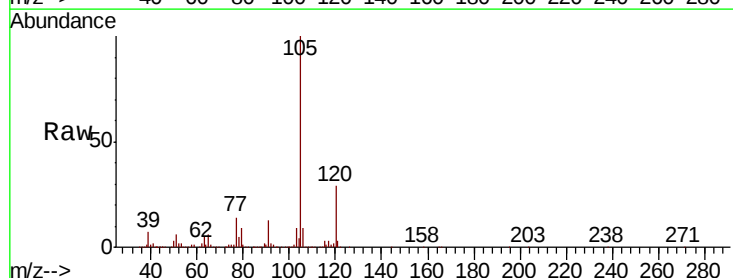
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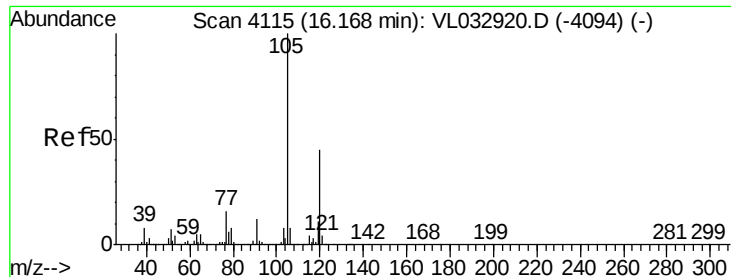
MMDadoda
12/19/2018 1:56:43 PM



#72
4-Ethyltoluene
Concen: 9.980 ppbv
RT: 16.01 min Scan# 4067
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion: 105 Resp: 3936759
Ion Ratio Lower Upper
105 100
120 28.8 23.0 34.4
91 13.1 10.4 15.6
77 13.6 11.0 16.4





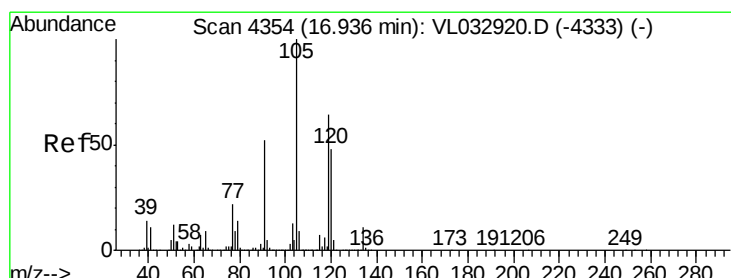
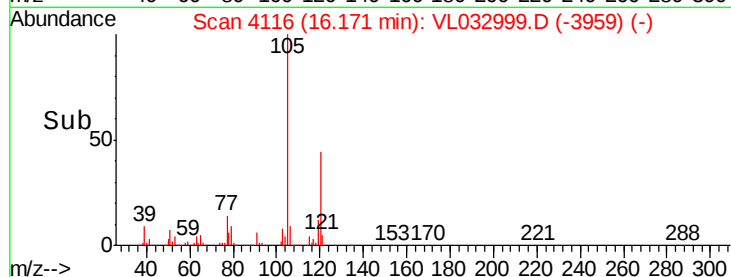
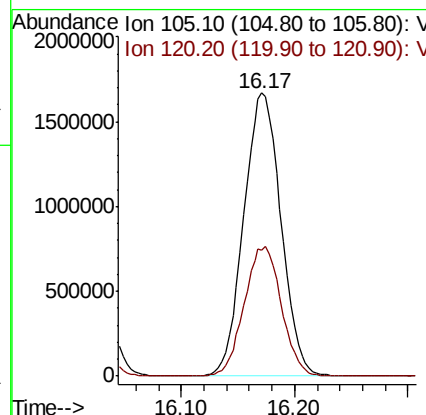
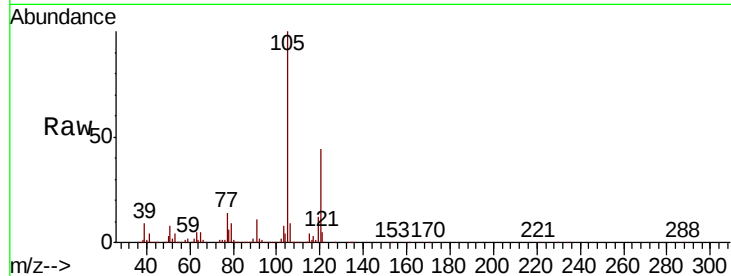
#73
 1,3,5-Trimethylbenzene
 Concen: 9.899 ppbv
 RT: 16.17 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion:105 Resp: 3811902
 Ion Ratio Lower Upper
 105 100
 120 44.5 36.0 54.0

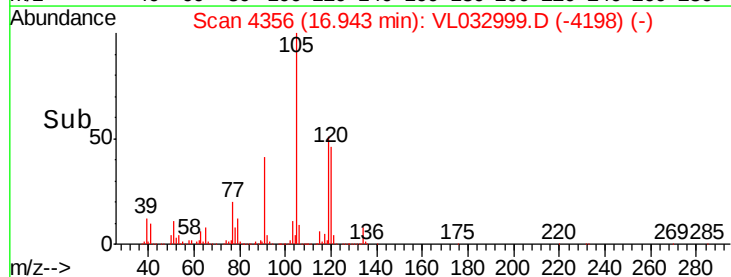
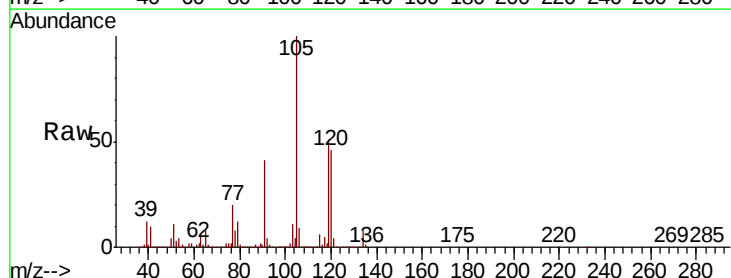
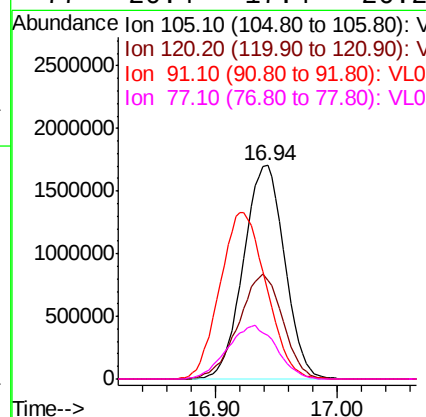
Manual Integrations
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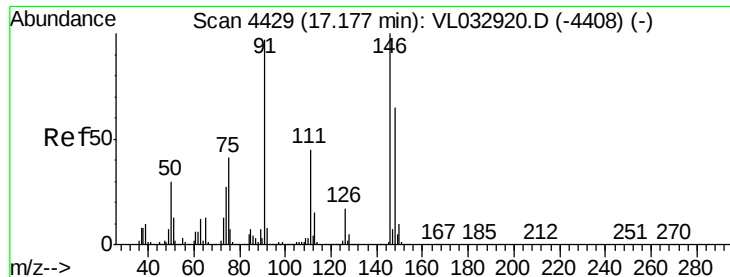
MMDadoda
 12/19/2018 1:56:43 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.120 ppbv
 RT: 16.94 min Scan# 4356
 Delta R.T. 0.01 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Tgt Ion:105 Resp: 3965719
 Ion Ratio Lower Upper
 105 100
 120 46.2 38.6 58.0
 91 40.5 41.7 62.5#
 77 20.4 17.4 26.2





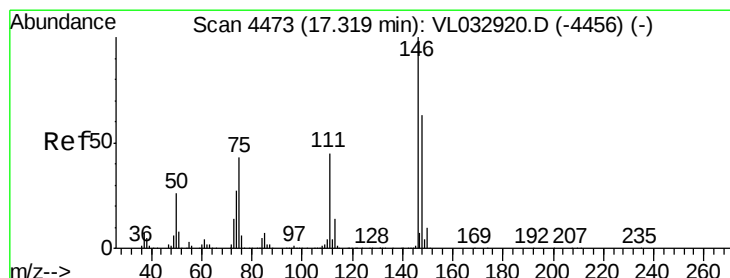
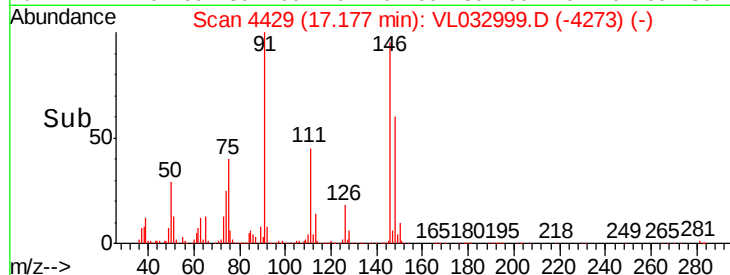
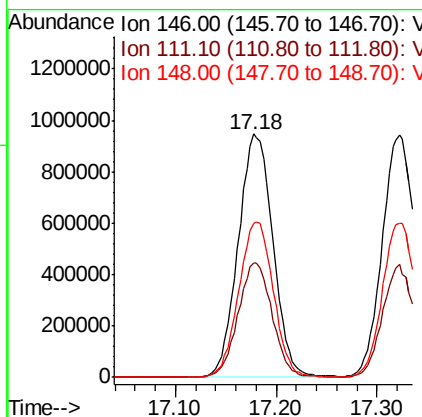
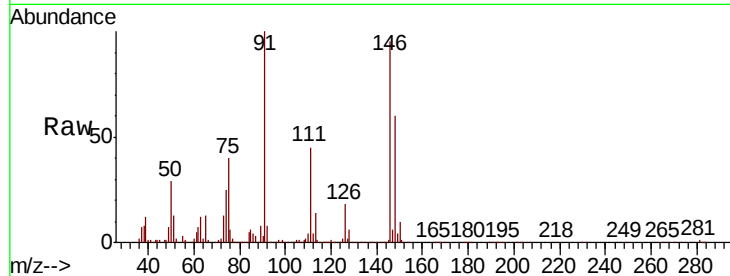
#75
 1,3-Dichlorobenzene
 Concen: 8.832 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion:146 Resp: 2261588
 Ion Ratio Lower Upper
 146 100
 111 46.1 23.6 70.8
 148 63.5 32.1 96.3

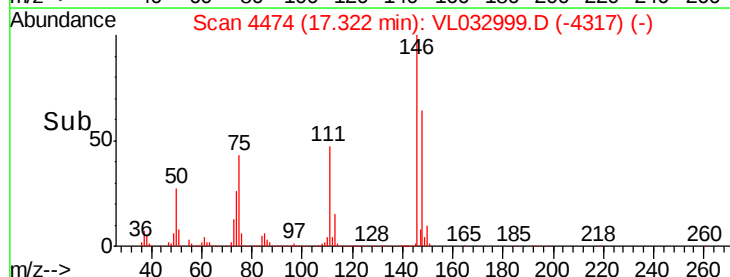
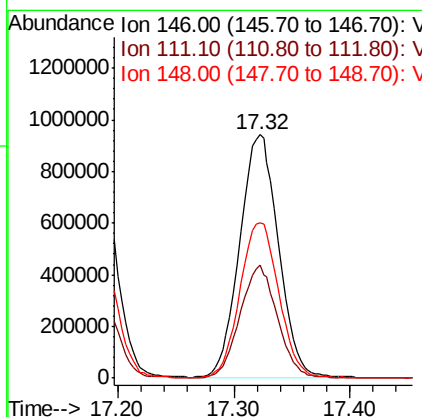
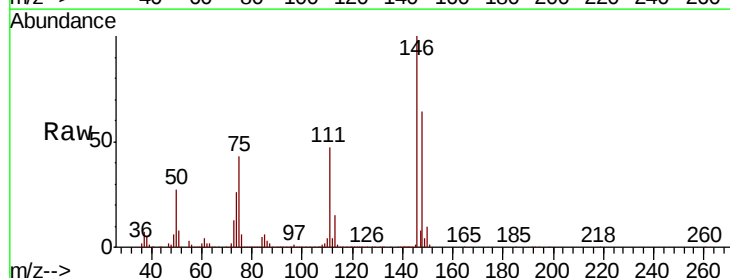
Manual Integrations
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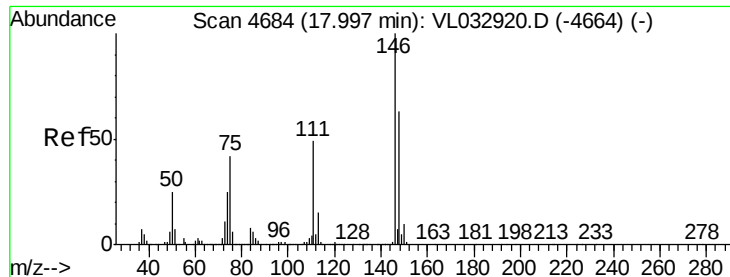
MMDadoda
 12/19/2018 1:56:43 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.122 ppbv
 RT: 17.32 min Scan# 4474
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Tgt Ion:146 Resp: 2179540
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.8 68.4
 148 64.7 32.0 96.2





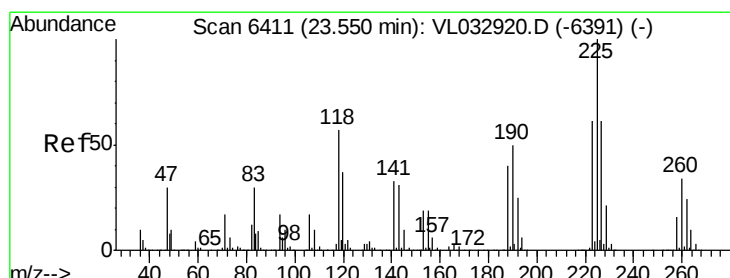
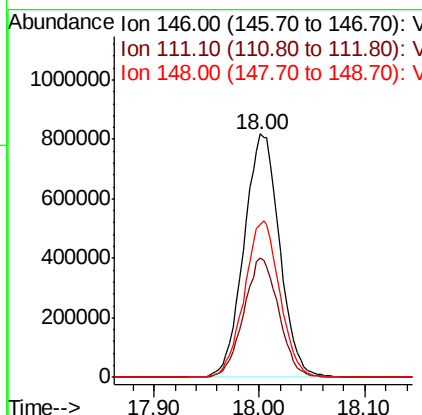
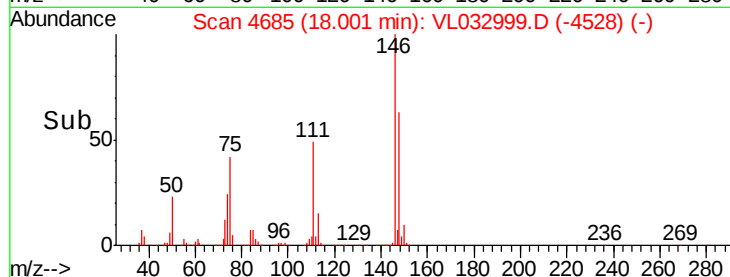
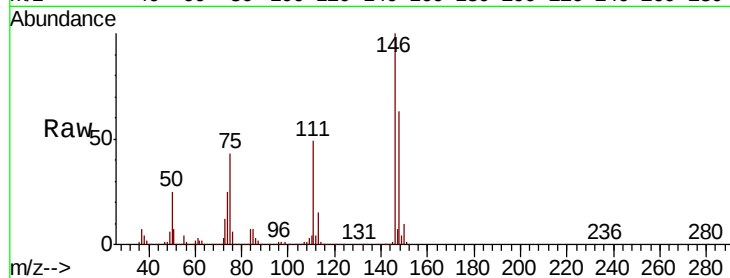
#77
 1,2-Dichlorobenzene
 Concen: 8.036 ppbv
 RT: 18.00 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion:146 Resp: 1921707
 Ion Ratio Lower Upper
 146 100
 111 48.3 24.3 72.9
 148 64.1 32.0 96.2

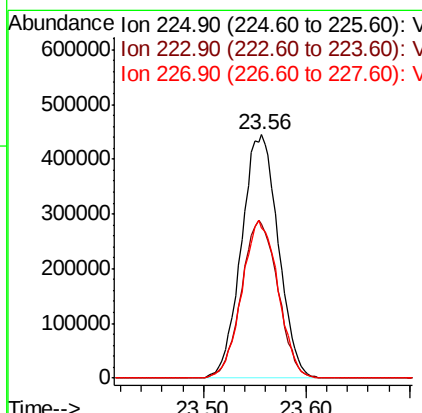
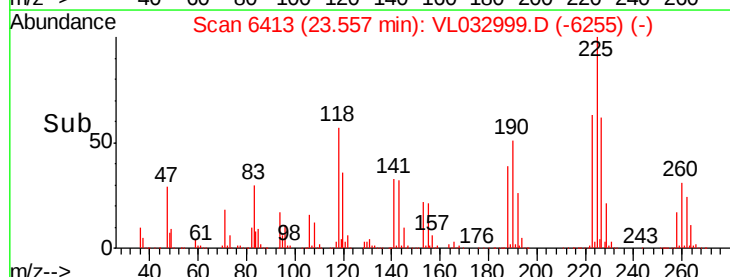
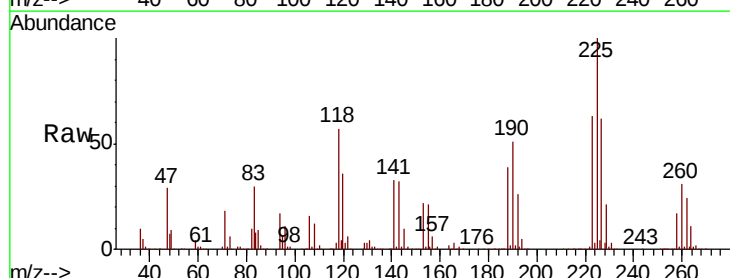
Manual Integrations
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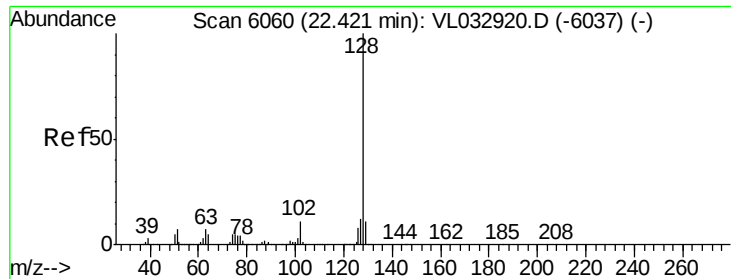
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.399 ppbv
 RT: 23.56 min Scan# 6413
 Delta R.T. 0.01 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Tgt Ion:225 Resp: 1104568
 Ion Ratio Lower Upper
 225 100
 223 64.0 50.6 75.8
 227 63.7 50.4 75.6





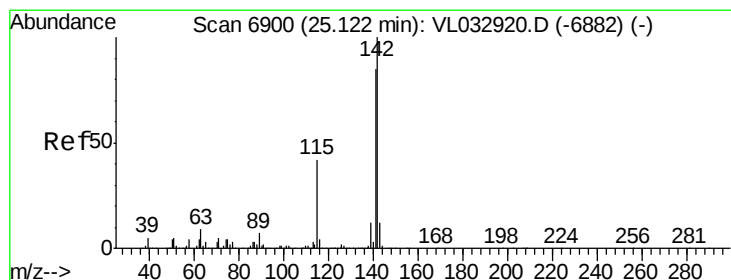
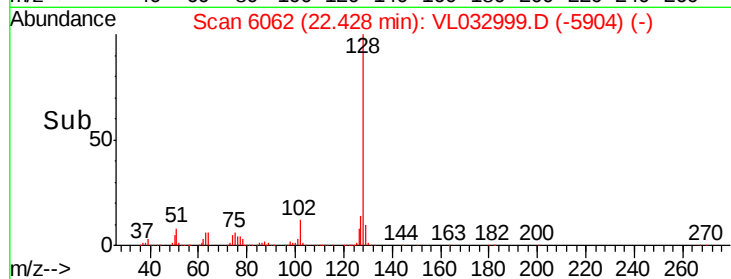
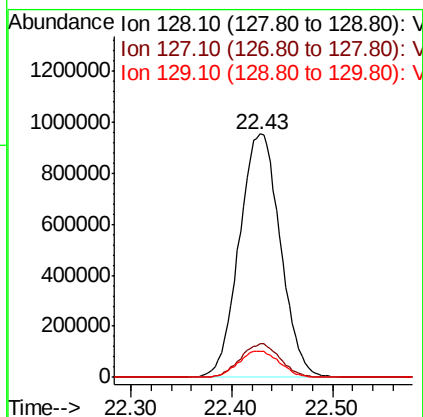
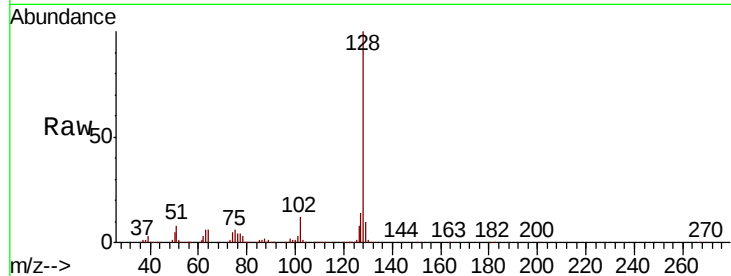
#79
Naphthalene
Concen: 9.585 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.9	14.9
129	10.4	8.6	13.0

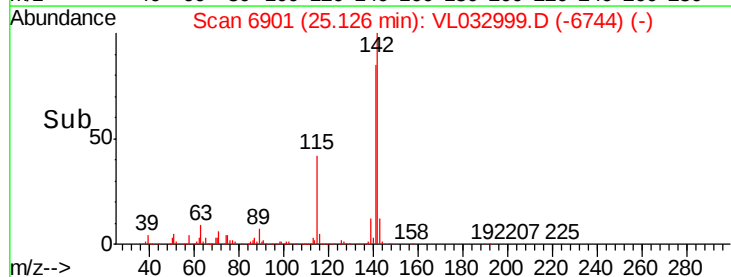
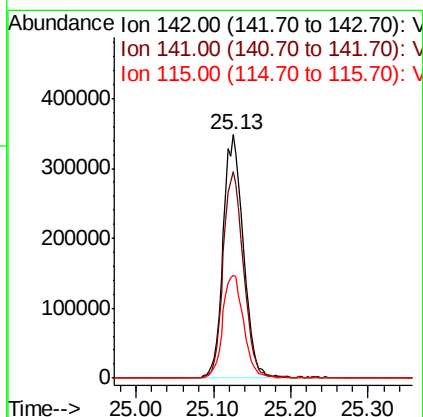
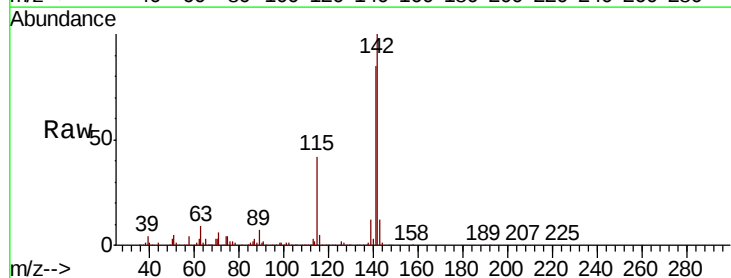
Manual Integrations
APPROVED

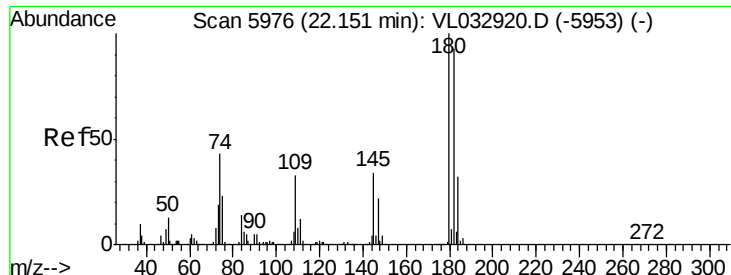
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#80
Naphthalene, 2-methyl-
Concen: 10.618 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.00 min
Lab File: VL032999.D
Acq: 17 Dec 2018 15:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.2	102.2
115	43.7	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.006 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL032999.D
 Acq: 17 Dec 2018 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.0	115.6
184	30.4	24.3	36.5

Manual Integrations
 APPROVED

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