

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032268.D
 Acq On : 18 Jul 2018 19:47
 Operator : SY/AP
 Sample : VL0718ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:53:12 PM

Quant Time: Jul 19 02:11:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1685200	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3788112	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4646120m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3493844	9.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	2612424	9.12	ppbv	99
3) Chlorodifluoromethane	3.06	51	1812799	9.59	ppbv	99
4) Chloromethane	3.22	50	1081684	9.71	ppbv	99
5) Vinyl Chloride	3.35	62	1040694	9.86	ppbv	99
6) Bromomethane	3.57	94	566422	9.84	ppbv	98
7) Chloroethane	3.66	64	374825	10.01	ppbv	98
8) Dichlorotetrafluoroethane	3.27	85	2125432	9.09	ppbv	100
9) Propene	3.09	41	868499	10.51	ppbv	100
10) Heptane	8.33	43	3050383	11.61	ppbv	98
11) Trichlorofluoromethane	4.07	101	2131970	9.52	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1384569	9.69	ppbv	100
13) Ethanol	3.71	45	187187	7.93	ppbv	95
14) Bromoethene	3.85	108	654414	10.16	ppbv	99
15) Acetone	3.96	43	1650750	9.36	ppbv	100
16) 1,3-Butadiene	3.42	39	868076	9.66	ppbv	95
17) tert-Butyl alcohol	4.42	59	578616	10.40	ppbv	100
18) 1,1-Dichloroethene	4.42	96	657090	9.85	ppbv	99
19) Isopropyl Alcohol	4.09	45	1187993	9.96	ppbv	99
20) Methylene Chloride	4.48	84	581996	8.57	ppbv	98
21) Allyl Chloride	4.55	41	1214767	10.46	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	692500	10.00	ppbv	97
23) Vinyl Acetate	5.23	43	3266885	10.33	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2194069	9.56	ppbv	100
25) Ethyl Acetate	5.85	43	3715605	9.67	ppbv	100
26) Hexane	5.86	57	1691515	9.59	ppbv	99
27) Carbon Disulfide	4.69	76	1709292	10.94	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2626915	10.04	ppbv	100
29) Chloroform	5.93	83	2476687	9.52	ppbv	97
30) Cyclohexane	7.33	84	1500025	10.13	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1731271	10.23	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	2478606	9.42	ppbv	99
34) 2-Butanone	5.41	43	2641904	10.16	ppbv	99
35) Carbon Tetrachloride	7.22	117	2534951	9.73	ppbv	99
36) Benzene	7.09	78	3719831	9.98	ppbv	99
37) 1,2-Dichloroethane	6.50	62	2051821	9.31	ppbv	100
38) Trichloroethene	8.05	130	1140886	9.25	ppbv	99
39) 1,2-Dichloropropane	7.82	63	1526339	10.34	ppbv	99
40) 1,4-Dioxane	8.04	88	416546	9.55	ppbv #	12
41) Tetrahydrofuran	6.23	42	1622297	10.70	ppbv	99
42) Bromodichloromethane	8.01	83	2649285	9.55	ppbv	95
43) Methyl Methacrylate	8.22	69	1512306	9.90	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6037115	9.29	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	2261340	12.56	ppbv	97
46) cis-1,3-Dichloropropene	8.93	75	2345130	10.21	ppbv	98
47) 1,1,2-Trichloroethane	9.71	97	1420193	8.90	ppbv	96
48) Dibromochloromethane	10.55	129	2200465	9.46	ppbv	99
49) Bromoform	13.30	173	2117006	10.43	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4126997	9.65	ppbv	100
51) 2-Hexanone	10.36	43	3289106	10.09	ppbv #	100
52) Tetrachloroethene	11.47	164	1168980	9.18	ppbv	98
53) Toluene	10.04	91	3812202	8.43	ppbv	99
54) 1,2-Dibromoethane	10.85	107	2251250	9.57	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.38	131	1851253	8.95	ppbv	98
57) Chlorobenzene	12.40	112	3419256	8.97	ppbv	99
58) Ethyl Benzene	12.96	91	6357447	9.71	ppbv	98
59) m/p-Xylene	13.24	91	10147024m	18.17	ppbv	
60) o-Xylene	13.95	91	4958960	8.92	ppbv	100
61) Styrene	13.78	104	4028301	9.75	ppbv	99
62) Isopropylbenzene	14.92	105	6985706	8.76	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.93	83	3664868	7.73	ppbv	100
64) n-propylbenzene	15.82	120	1801650	8.80	ppbv	97
65) tert-Butylbenzene	17.00	119	5677510	8.36	ppbv	100
66) Benzyl Chloride	17.25	91	3792985	9.92	ppbv	99
67) sec-Butylbenzene	17.56	105	8540186	8.43	ppbv	100
69) p-Isopropyltoluene	17.91	119	6823917	8.71	ppbv	100
70) n-Butylbenzene	18.81	91	7694055	8.81	ppbv	100
71) 2-Chlorotoluene	15.71	91	5596543	8.76	ppbv	100
72) 4-Ethyltoluene	16.10	105	5841797	9.09	ppbv	100
73) 1,3,5-Trimethylbenzene	16.26	105	5517644	8.78	ppbv	97
74) 1,2,4-Trimethylbenzene	17.02	105	5414760	8.23	ppbv	98
75) 1,3-Dichlorobenzene	17.26	146	2973792	8.14	ppbv	100
76) 1,4-Dichlorobenzene	17.40	146	3045876	8.40	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2952792	8.36	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	976499	8.53	ppbv	99
79) Naphthalene	22.52	128	5239190	9.49	ppbv	99
80) Naphthalene, 2-methyl-	25.19	142	2573060	10.97	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2447981	9.09	ppbv	100

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

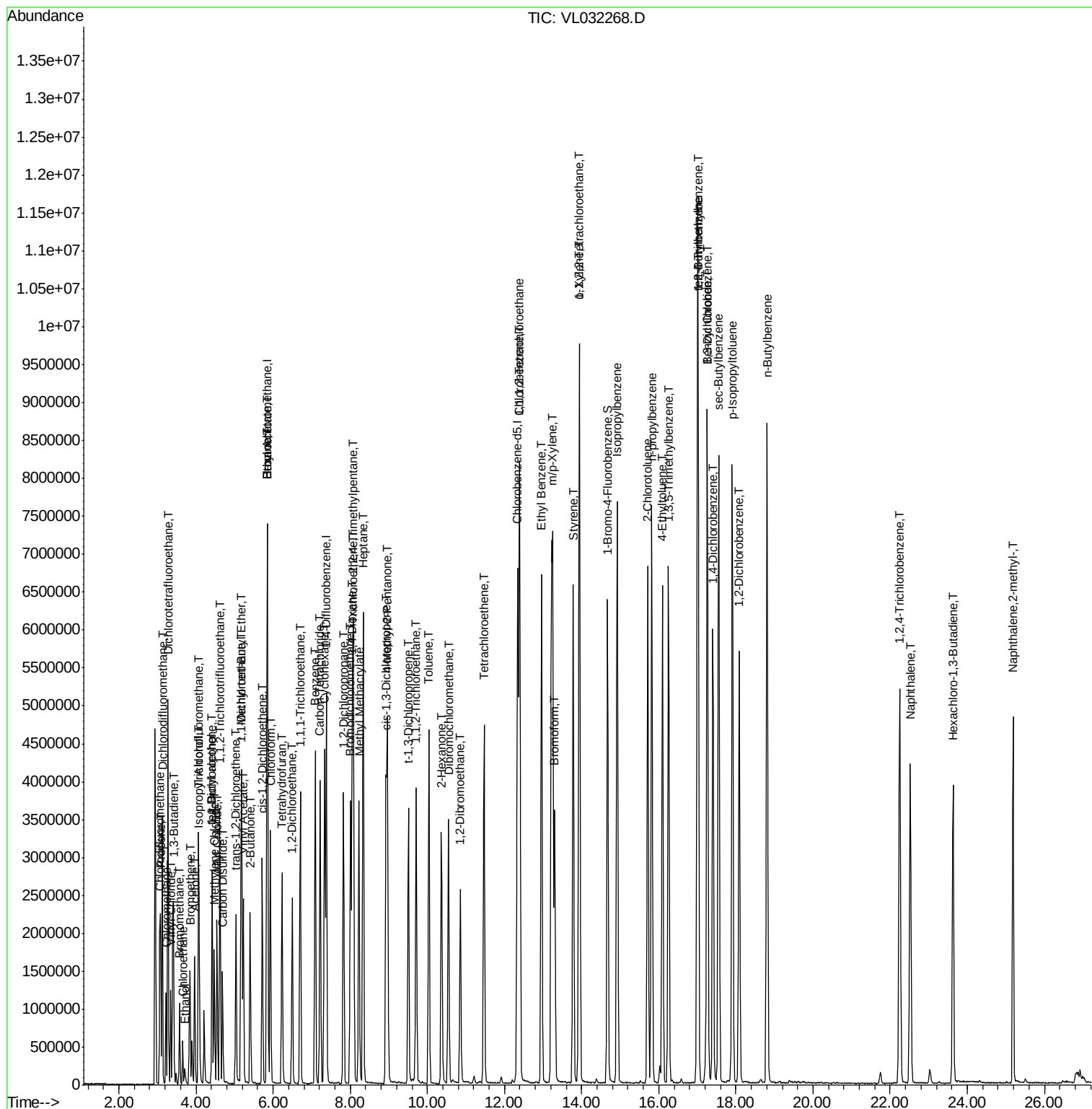
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071818\
Data File : VL032268.D
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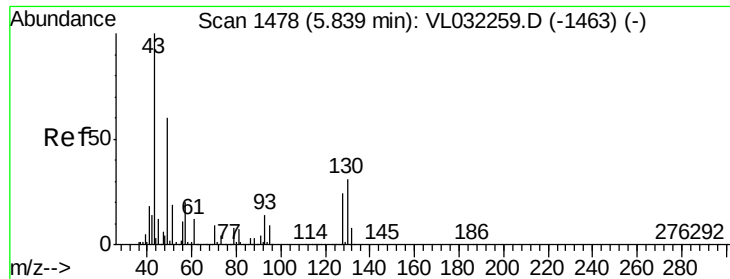
Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

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QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion: 49 Resp: 1685200

Ion Ratio Lower Upper

49 100

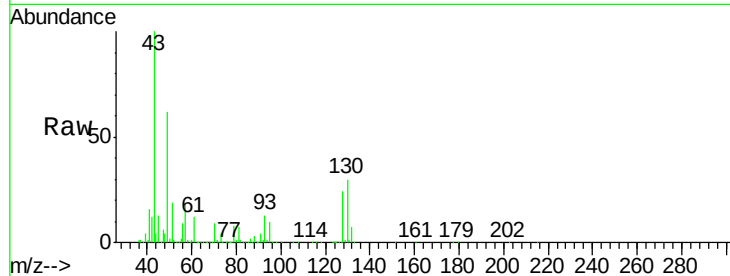
128 40.1 20.1 60.2

130 50.7 25.9 77.6

Manual Integrations
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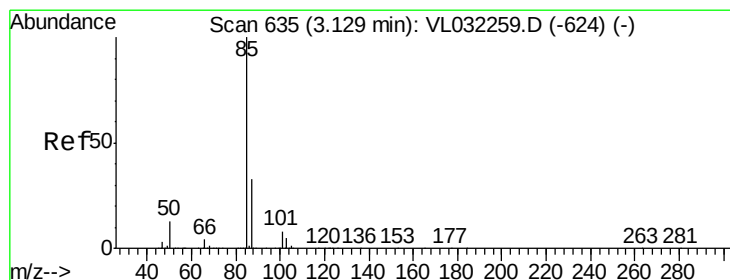
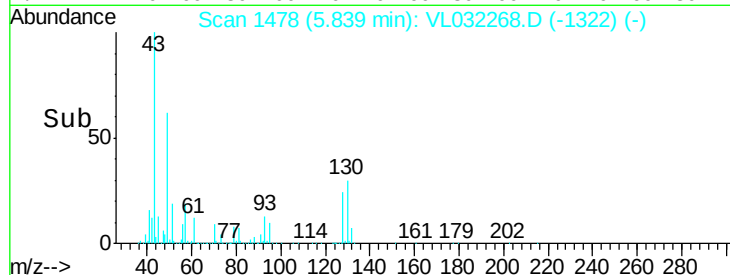
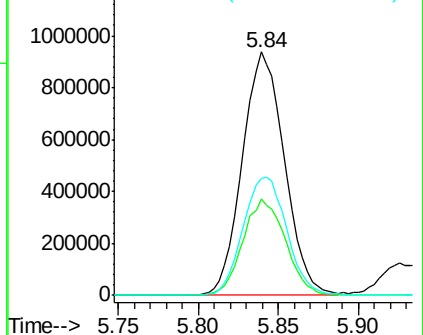
7/20/2018 2:53:12 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.12 ppbv

RT: 3.13 min Scan# 635

Delta R.T. 0.00 min

Lab File: VL032268.D

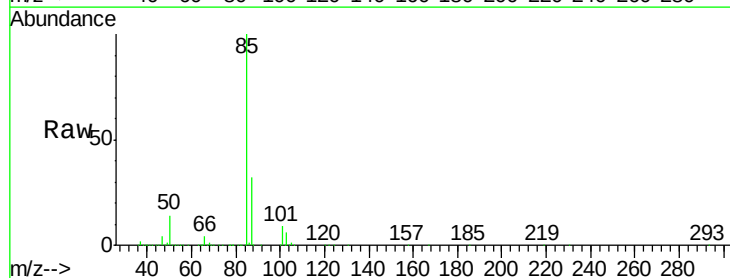
Acq: 18 Jul 2018 19:47

Tgt Ion: 85 Resp: 2612424

Ion Ratio Lower Upper

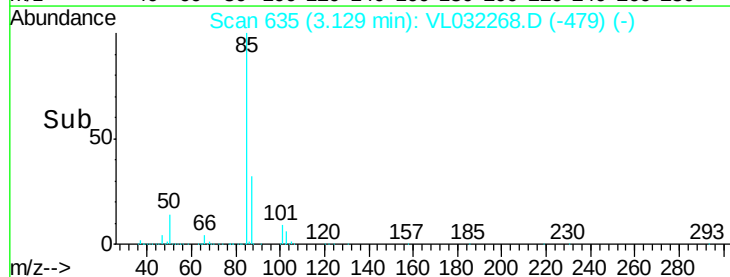
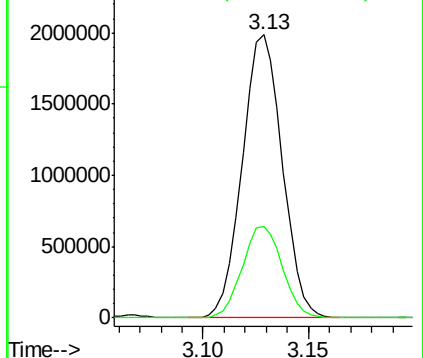
85 100

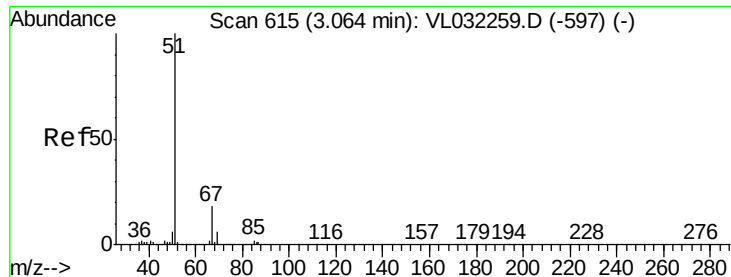
87 32.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.59 ppbv

RT: 3.06 min Scan# 615

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion: 51 Resp: 1812799

Ion Ratio Lower Upper

51 100

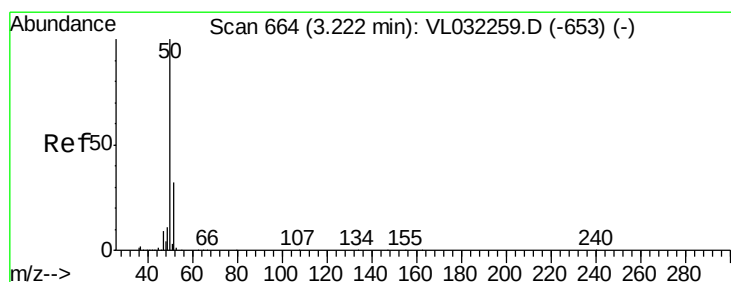
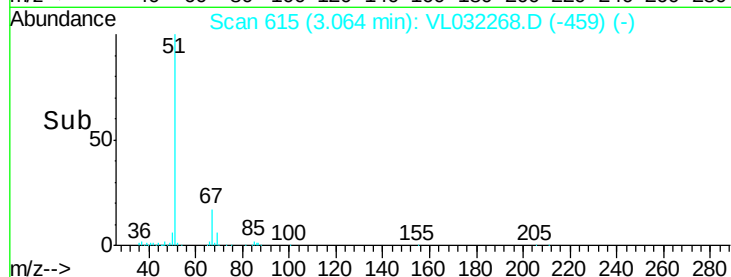
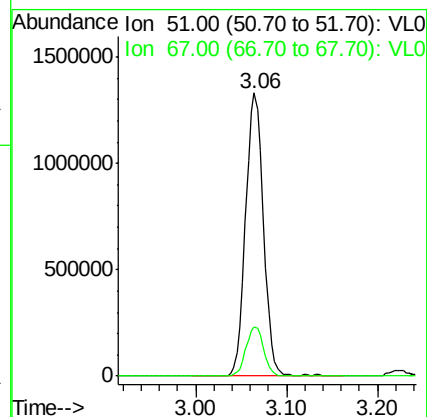
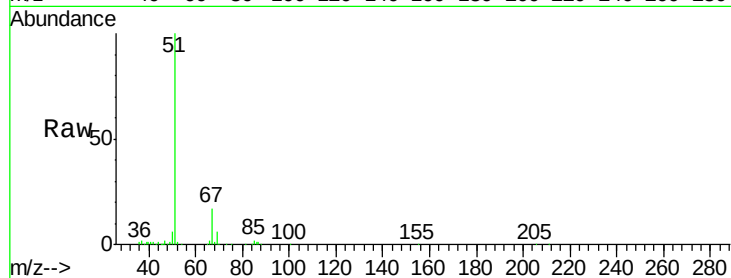
67 17.2 14.2 21.4

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#4

Chloromethane

Concen: 9.71 ppbv

RT: 3.22 min Scan# 664

Delta R.T. 0.00 min

Lab File: VL032268.D

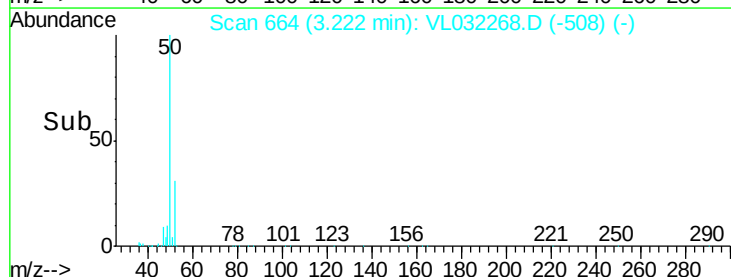
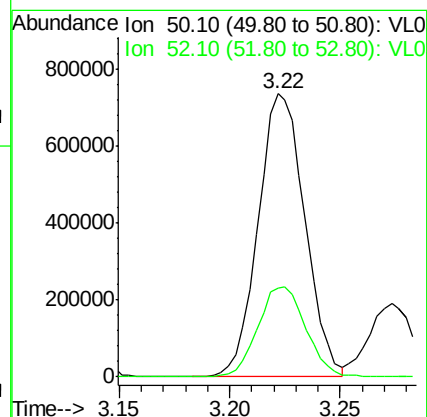
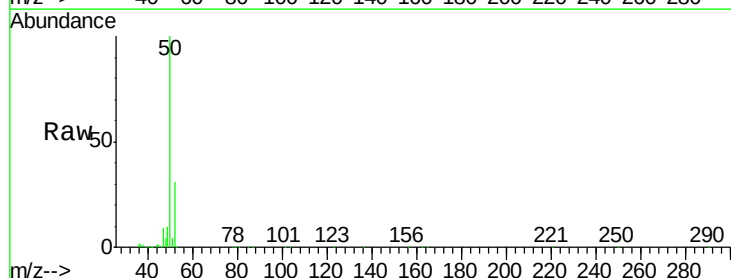
Acq: 18 Jul 2018 19:47

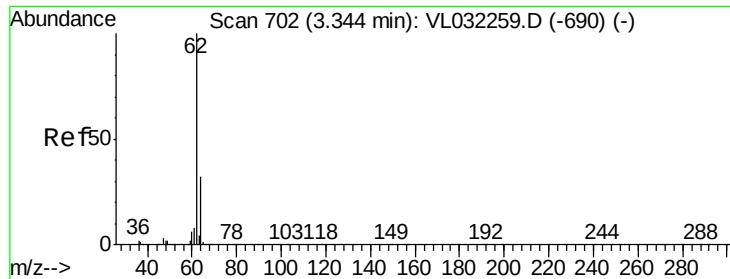
Tgt Ion: 50 Resp: 1081684

Ion Ratio Lower Upper

50 100

52 31.2 25.3 37.9





#5

Vinyl Chloride

Concen: 9.86 ppbv

RT: 3.35 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion: 62 Resp: 1040694

Ion Ratio Lower Upper

62 100

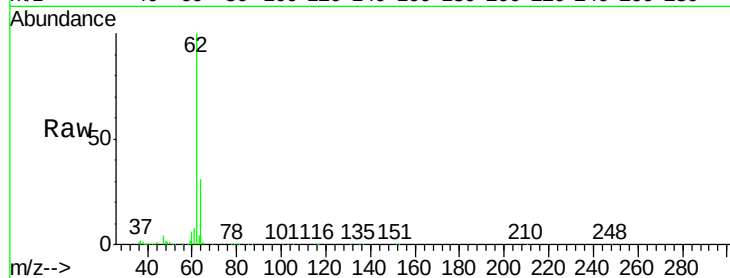
64 30.9 25.3 37.9

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.35

800000

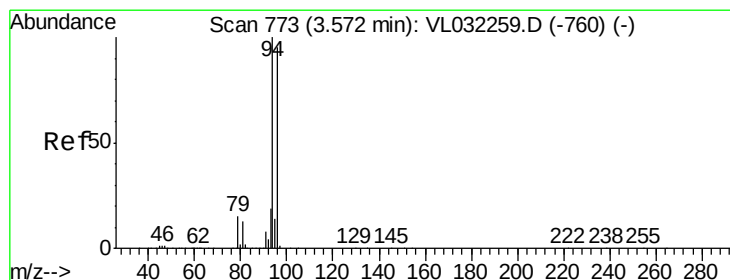
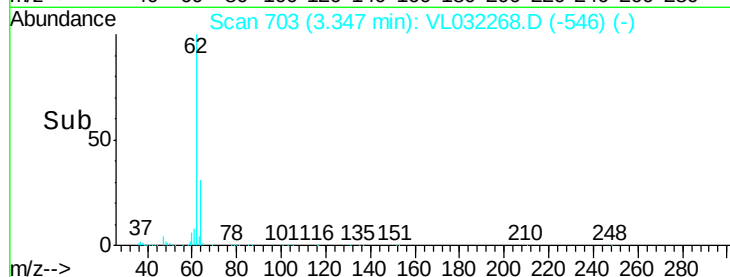
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.84 ppbv

RT: 3.57 min Scan# 773

Delta R.T. 0.00 min

Lab File: VL032268.D

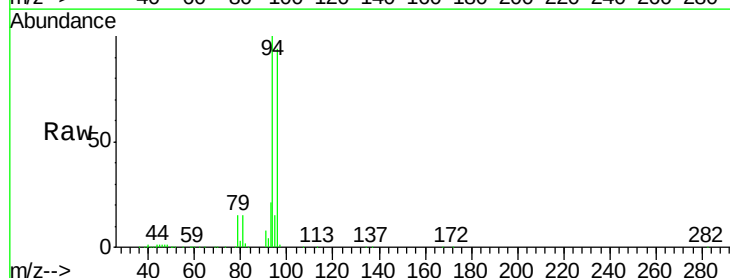
Acq: 18 Jul 2018 19:47

Tgt Ion: 94 Resp: 566422

Ion Ratio Lower Upper

94 100

96 93.6 76.1 114.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.57

400000

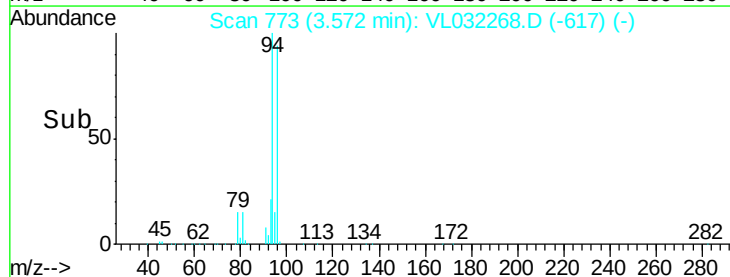
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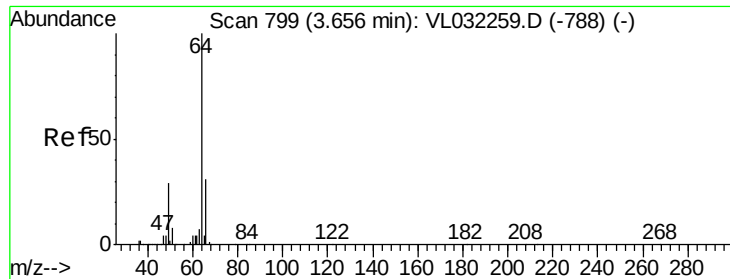
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.01 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion: 64 Resp: 374825

Ion Ratio Lower Upper

64 100

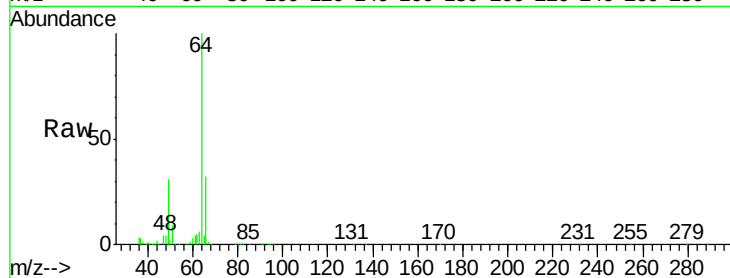
66 32.1 25.0 37.4

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.66

250000

200000

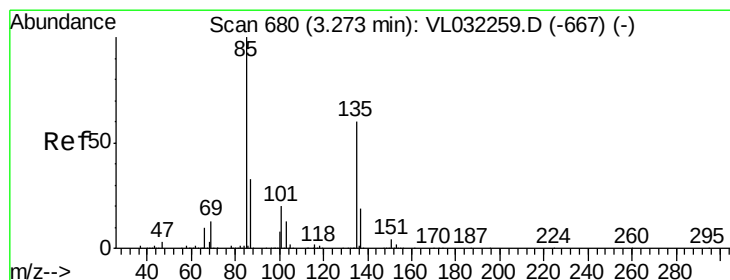
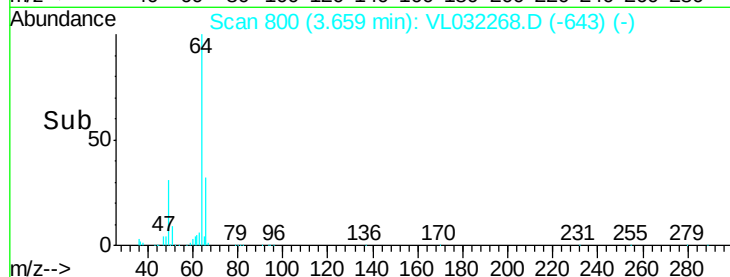
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100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.09 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032268.D

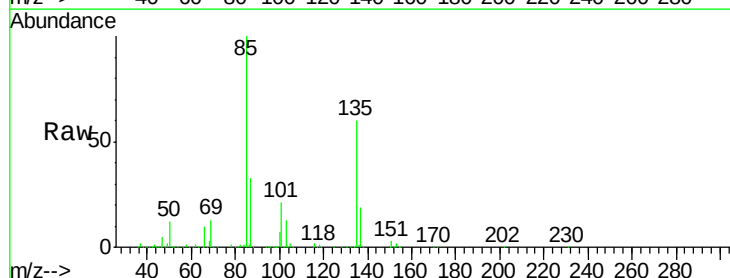
Acq: 18 Jul 2018 19:47

Tgt Ion: 85 Resp: 2125432

Ion Ratio Lower Upper

85 100

135 59.7 47.8 71.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.27

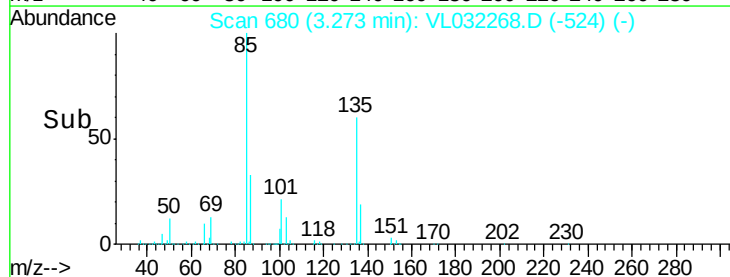
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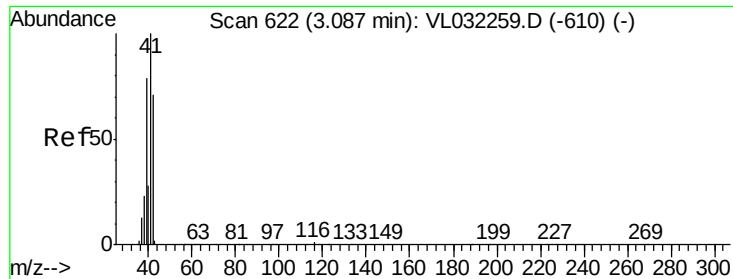
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Time-->





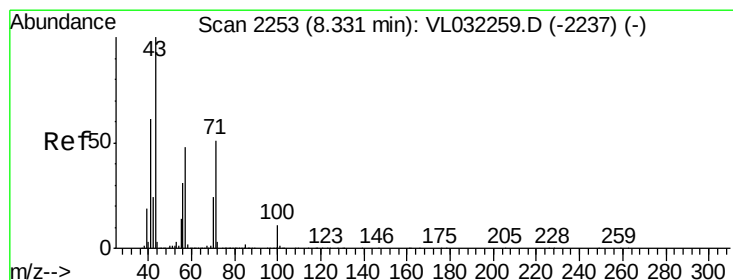
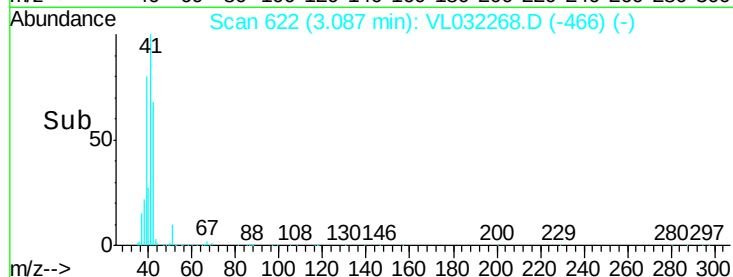
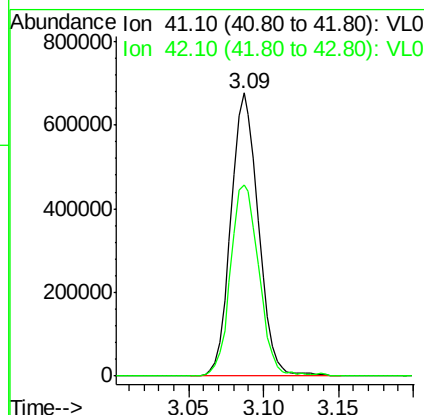
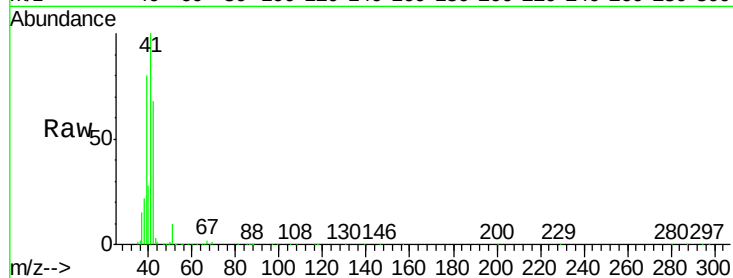
#9
 Propene
 Concen: 10.51 ppbv
 RT: 3.09 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion: 41 Resp: 868499
 Ion Ratio Lower Upper
 41 100
 42 70.3 56.2 84.4

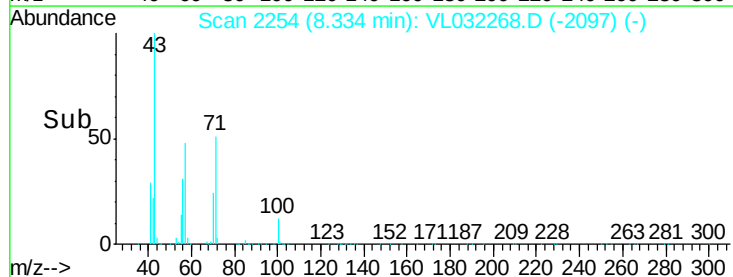
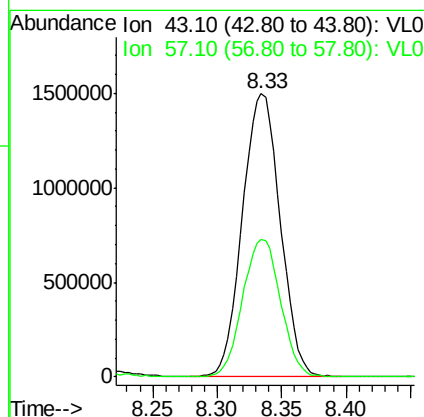
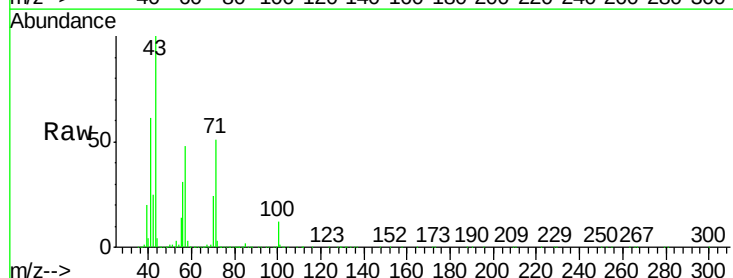
Manual Integrations
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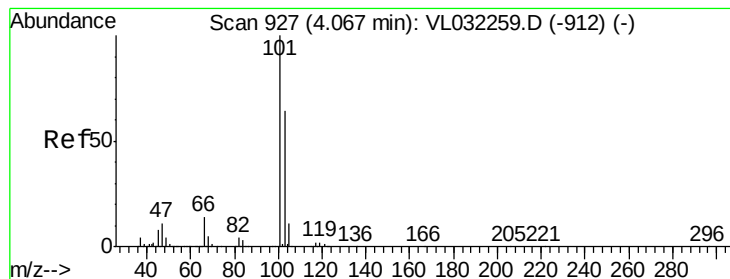
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#10
 Heptane
 Concen: 11.61 ppbv
 RT: 8.33 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 43 Resp: 3050383
 Ion Ratio Lower Upper
 43 100
 57 48.7 39.9 59.9





#11

Trichlorofluoromethane

Concen: 9.52 ppbv

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion:101 Resp: 2131970

Ion Ratio Lower Upper

101 100

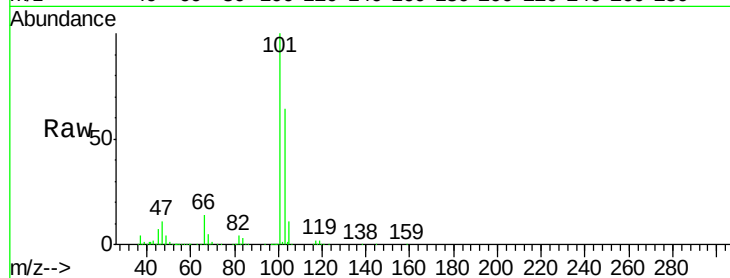
103 64.2 51.5 77.3

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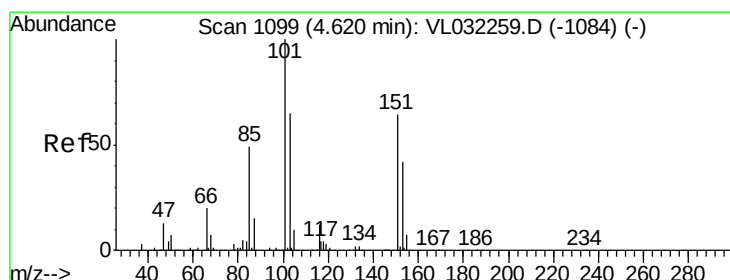
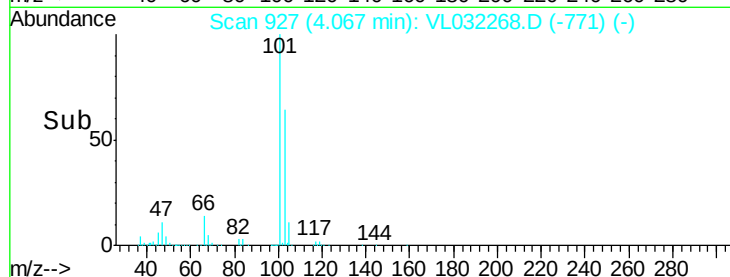
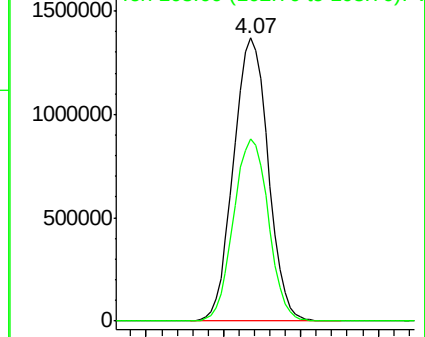
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.69 ppbv

RT: 4.62 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VL032268.D

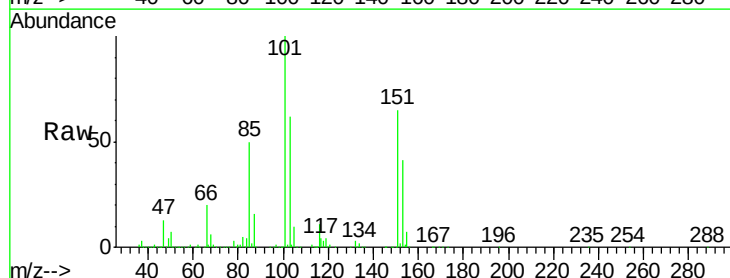
Acq: 18 Jul 2018 19:47

Tgt Ion:101 Resp: 1384569

Ion Ratio Lower Upper

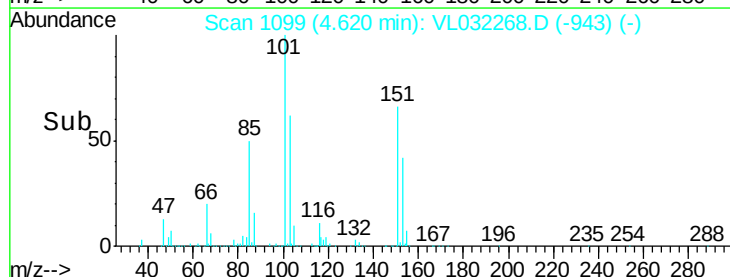
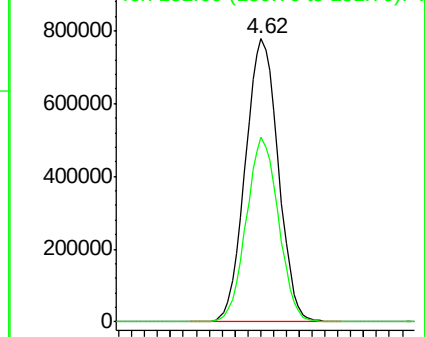
101 100

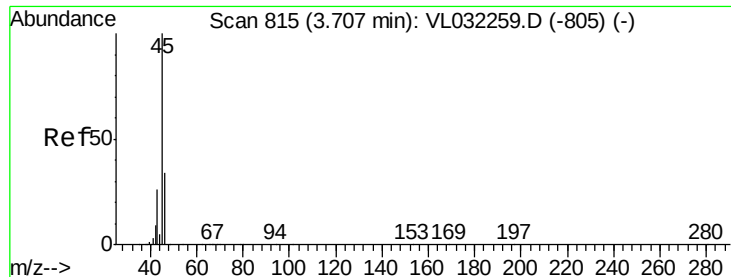
151 63.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





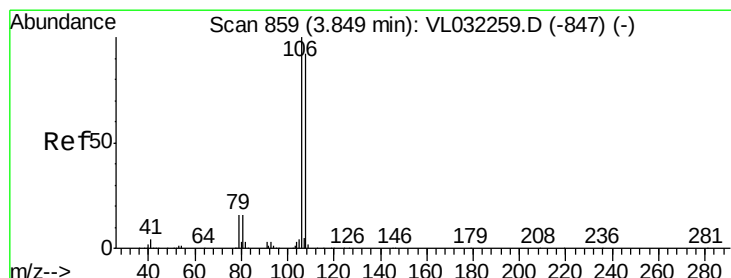
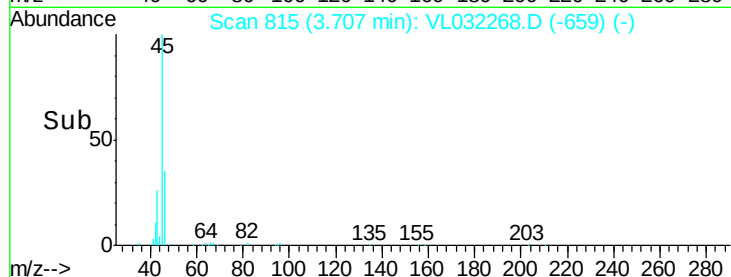
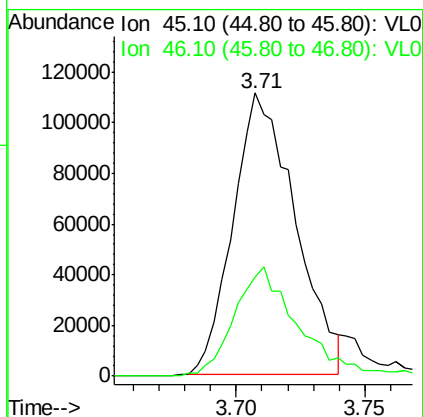
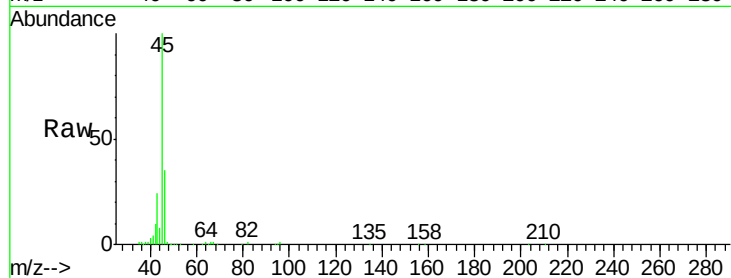
#13
Ethanol
Concen: 7.93 ppbv
RT: 3.71 min Scan# 815
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	41.2	15.2	60.8

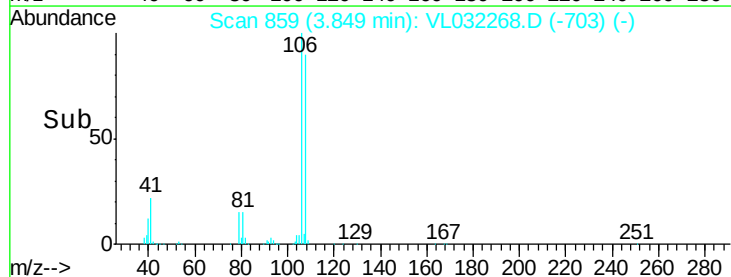
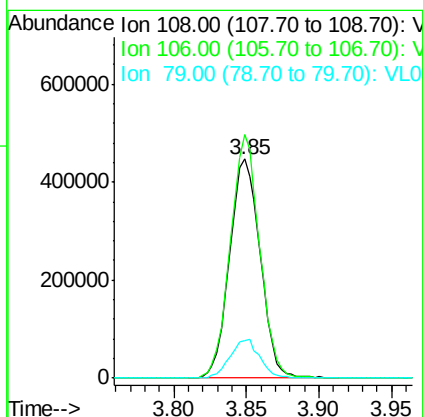
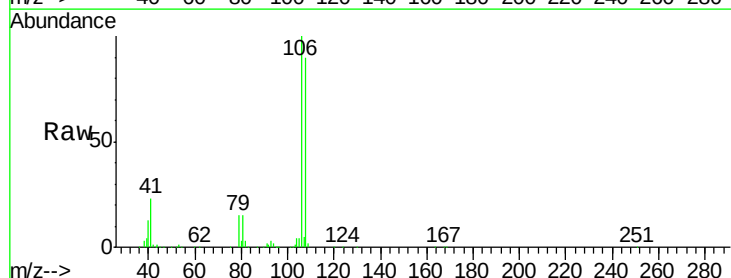
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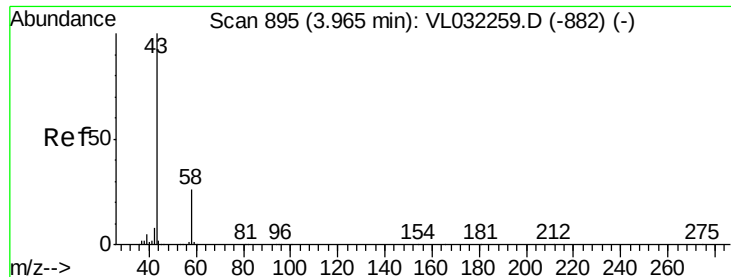
MMDadoda
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#14
Bromoethene
Concen: 10.16 ppbv
RT: 3.85 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.4	86.2	129.4
79	17.1	14.0	21.0





#15

Acetone

Concen: 9.36 ppbv

RT: 3.96 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tot Ion: 43 Resp: 1650750

Ion Ratio Lower Upper

43 100

58 27.2 21.8 32.6

Instrument :

MSVOA_L

ClientSampleId :

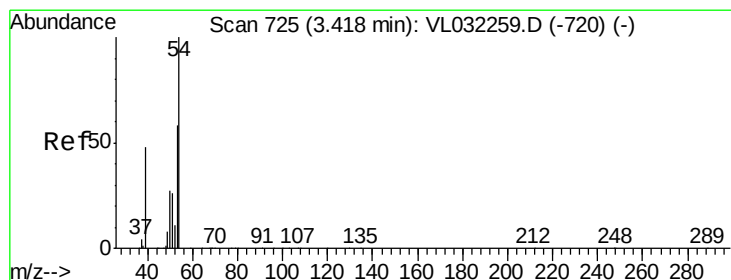
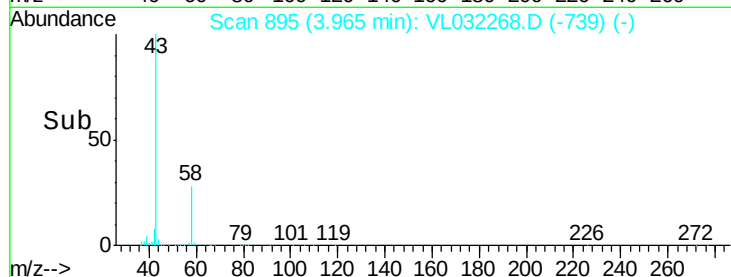
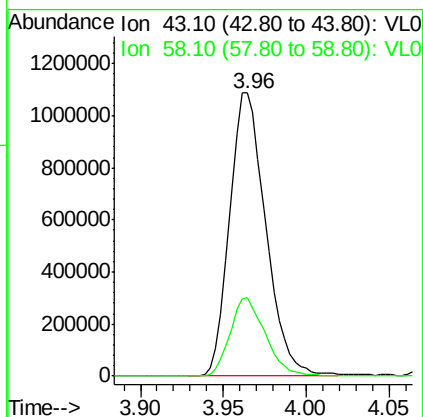
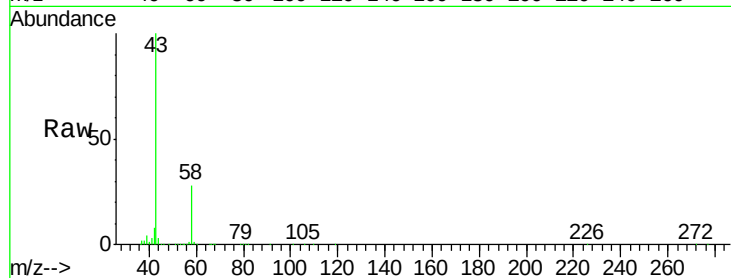
VL0718ABS01

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#16

1,3-Butadiene

Concen: 9.66 ppbv

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VL032268.D

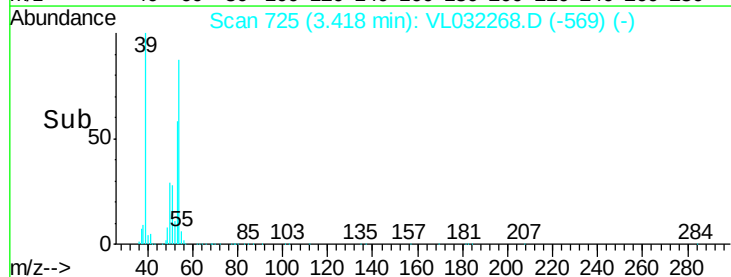
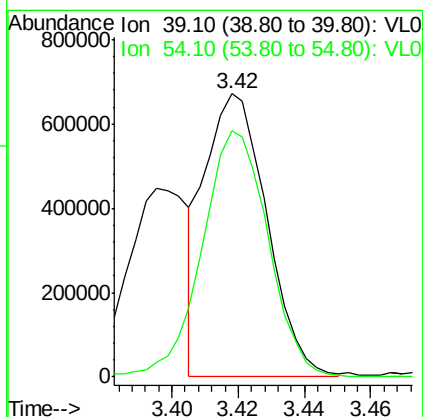
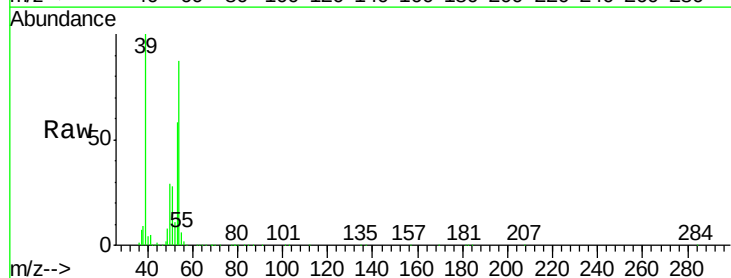
Acq: 18 Jul 2018 19:47

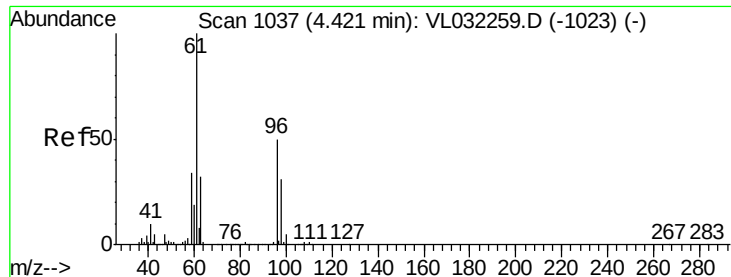
Tgt Ion: 39 Resp: 868076

Ion Ratio Lower Upper

39 100

54 93.3 70.6 105.8





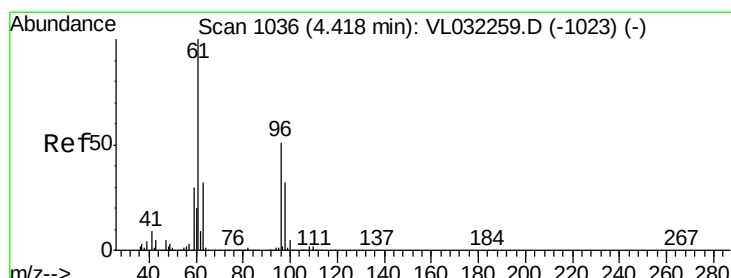
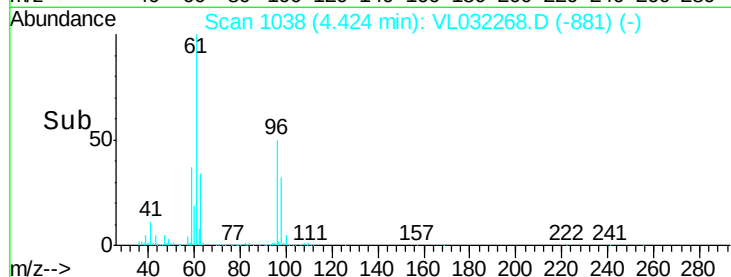
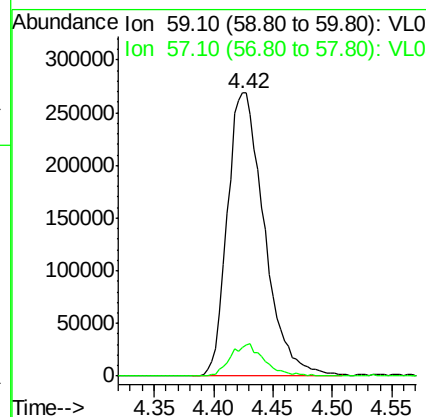
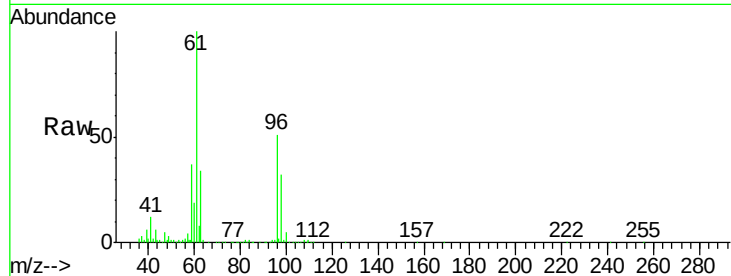
#17
 tert-Butyl alcohol
 Concen: 10.40 ppbv
 RT: 4.42 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion: 59 Resp: 578616
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

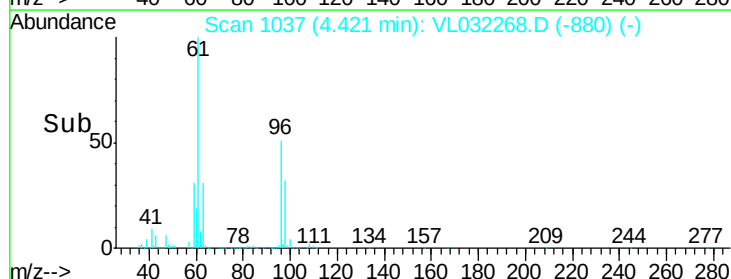
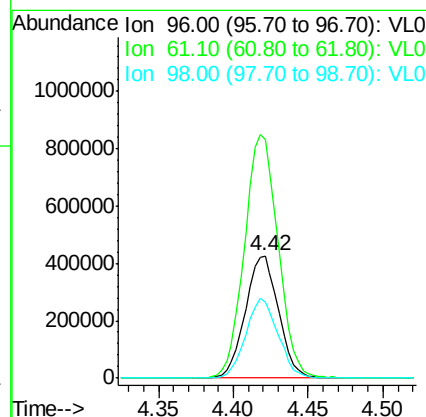
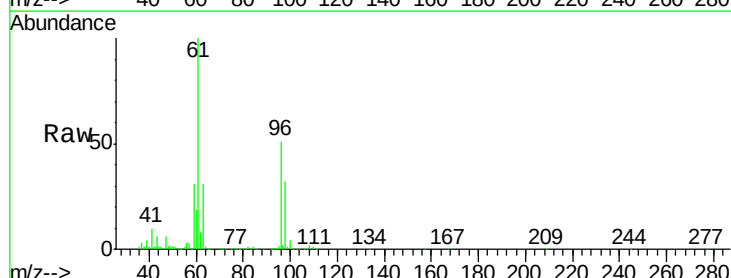
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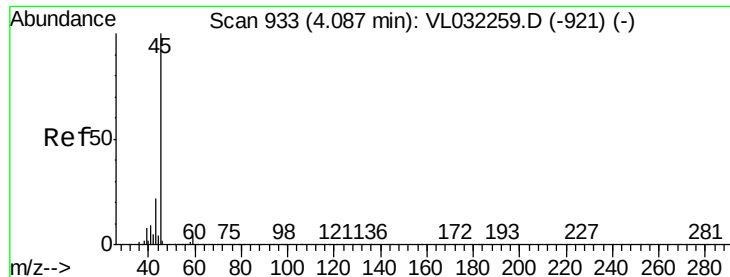
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 9.85 ppbv
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 96 Resp: 657090
 Ion Ratio Lower Upper
 96 100
 61 194.9 157.2 235.8
 98 61.8 50.1 75.1





#19

Isopropyl Alcohol

Concen: 9.96 ppbv

RT: 4.09 min Scan# 933

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tot Ion: 45 Resp: 1187993

Ion Ratio Lower Upper

45 100

58 2.1 1.5 2.3

Instrument :

MSVOA_L

ClientSampleId :

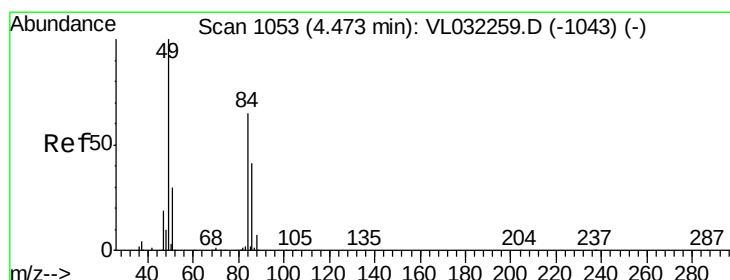
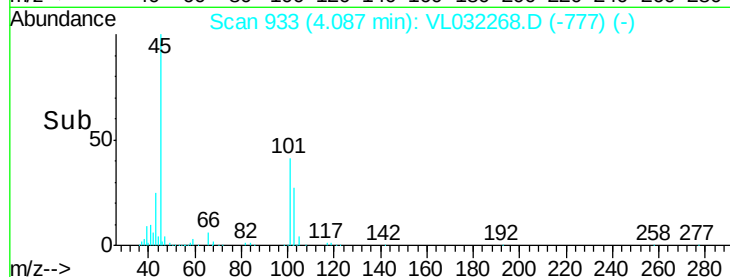
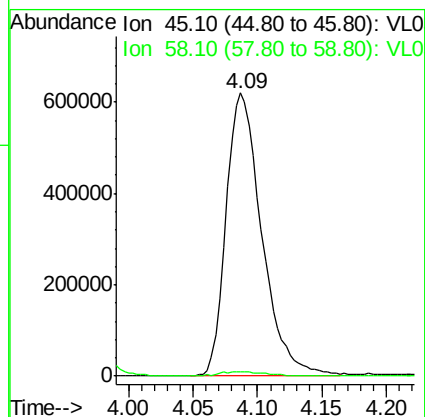
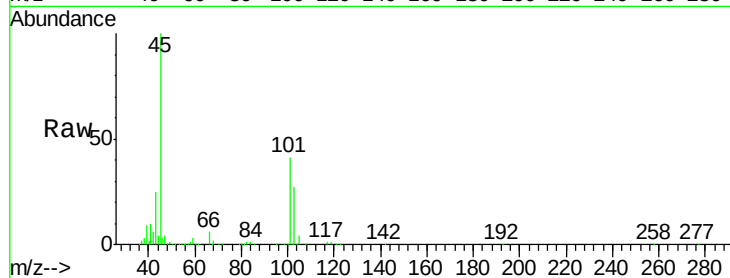
VL0718ABS01

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#20

Methylene Chloride

Concen: 8.57 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion: 84 Resp: 581996

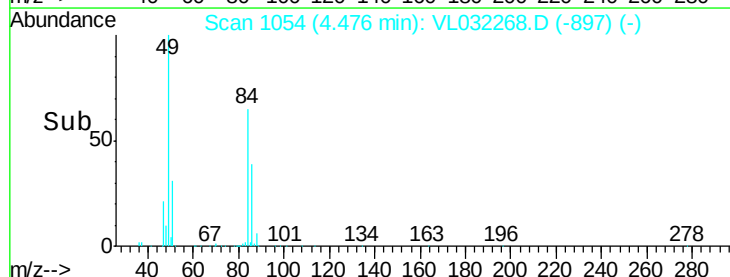
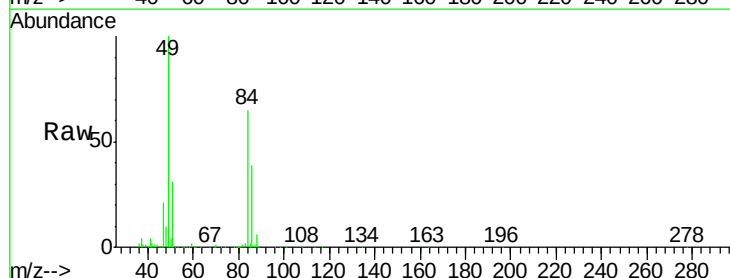
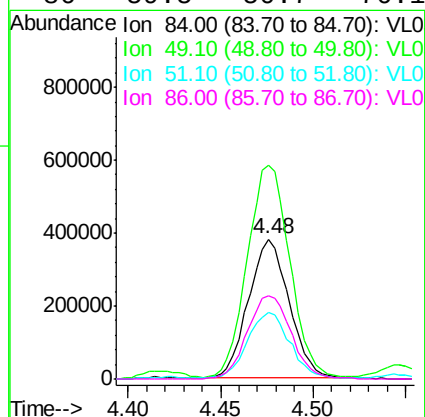
Ion Ratio Lower Upper

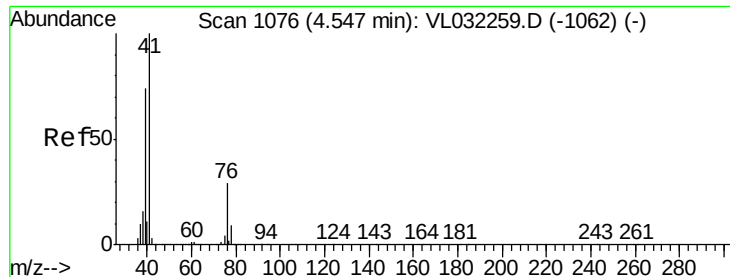
84 100

49 152.0 122.4 183.6

51 47.7 36.8 55.2

86 59.5 50.7 76.1





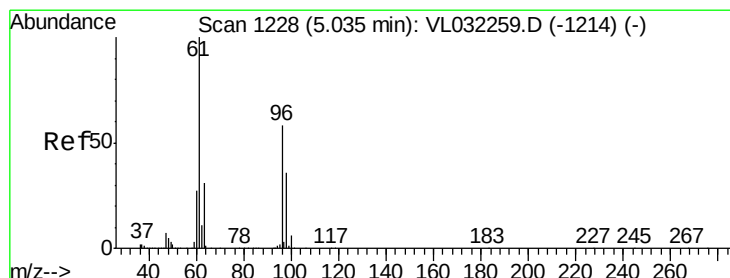
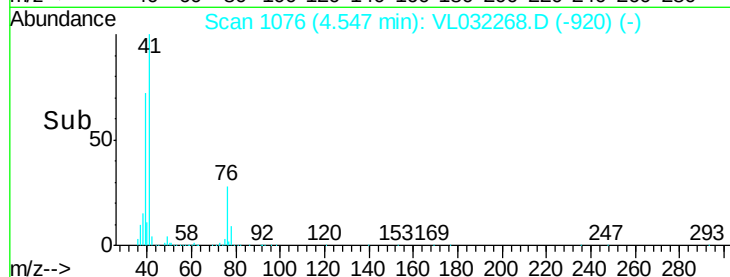
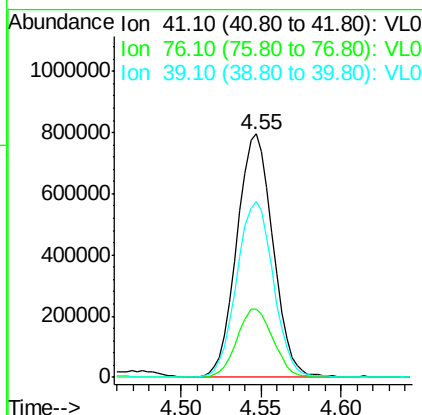
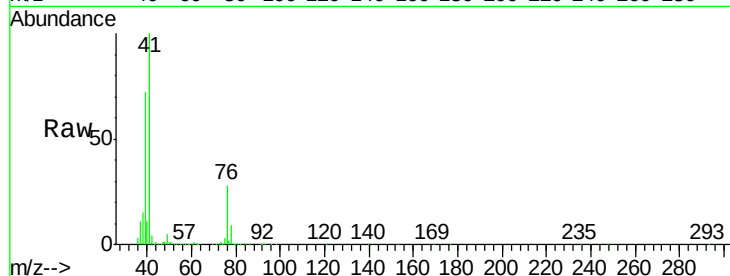
#21
 Allvl Chloride
 Concen: 10.46 ppbv
 RT: 4.55 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.3	23.0	34.6
39	73.8	60.2	90.4

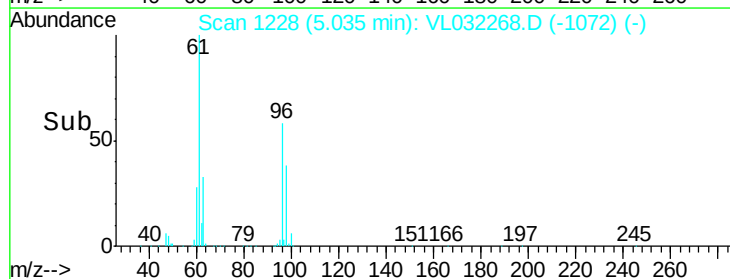
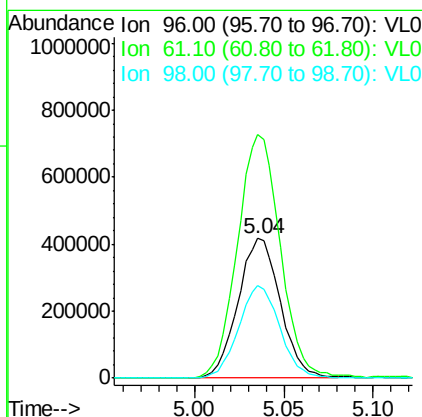
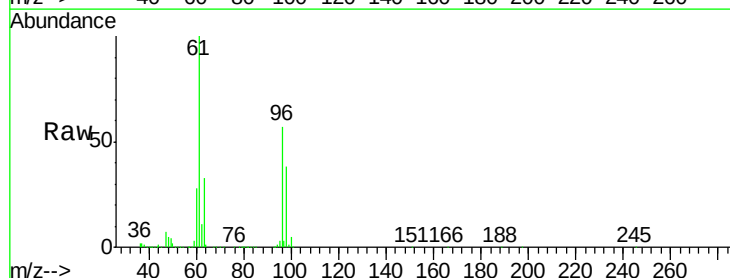
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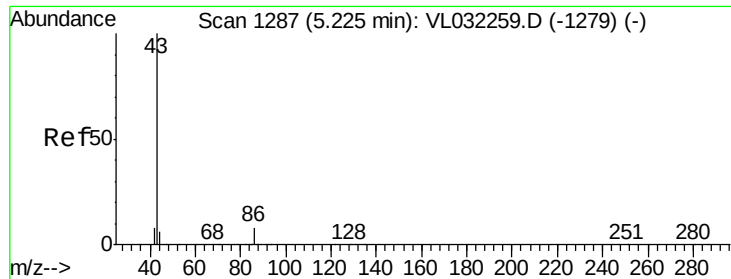
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#22
 trans-1,2-Dichloroethene
 Concen: 10.00 ppbv
 RT: 5.04 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.0	137.4	206.0
98	66.2	49.6	74.4





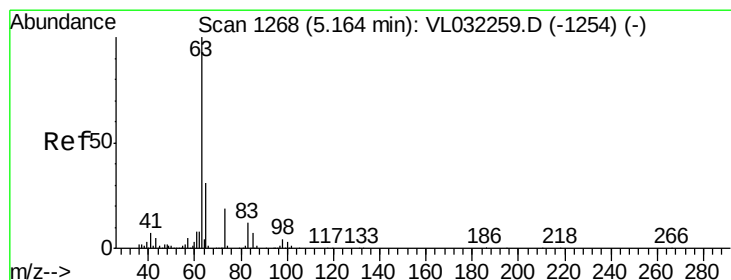
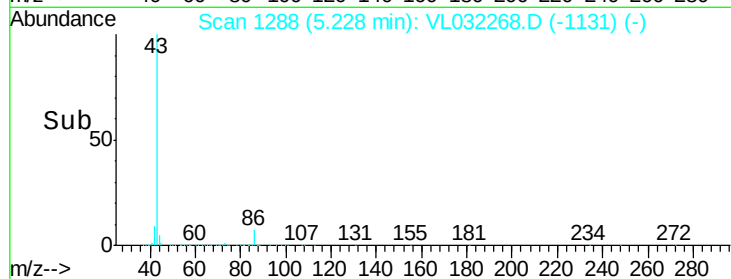
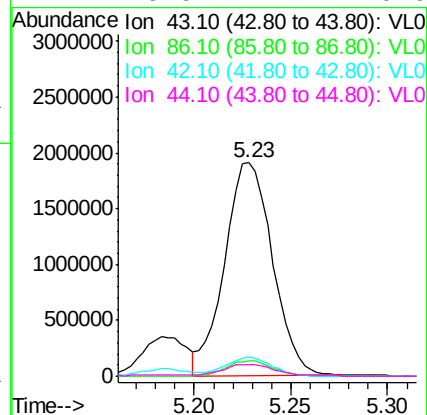
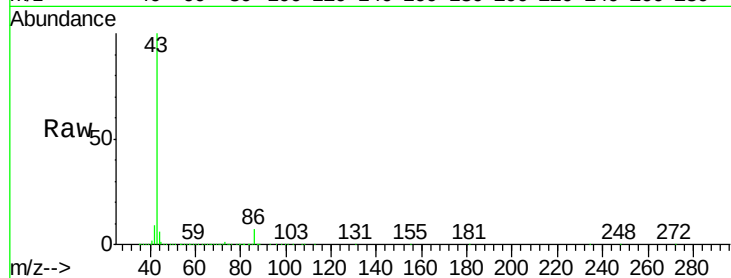
#23
 Vinyl Acetate
 Concen: 10.33 ppbv
 RT: 5.23 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion:	43	Resp:	3266885
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.9	8.9
42	9.0	7.3	10.9
44	5.5	4.4	6.6

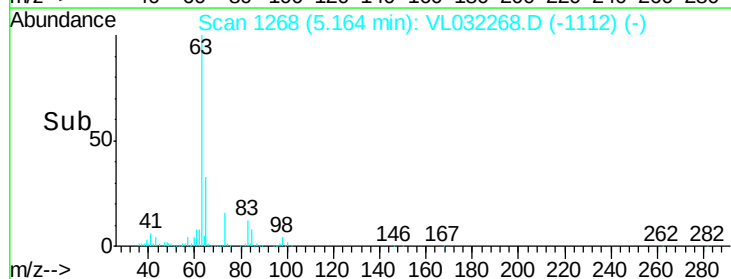
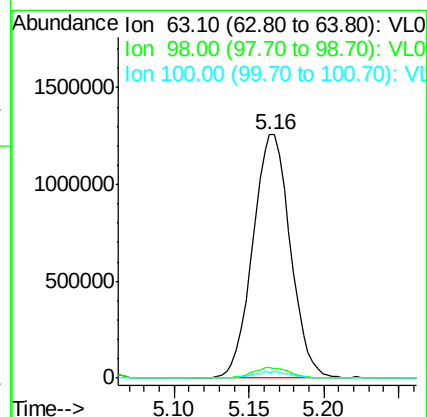
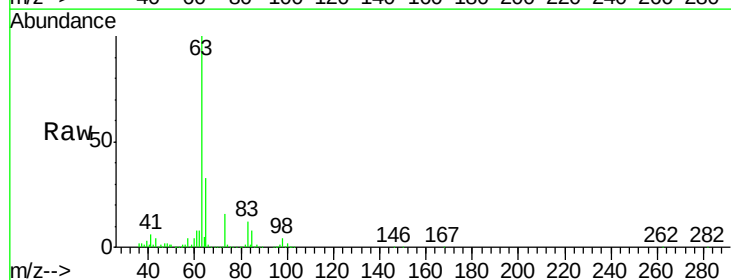
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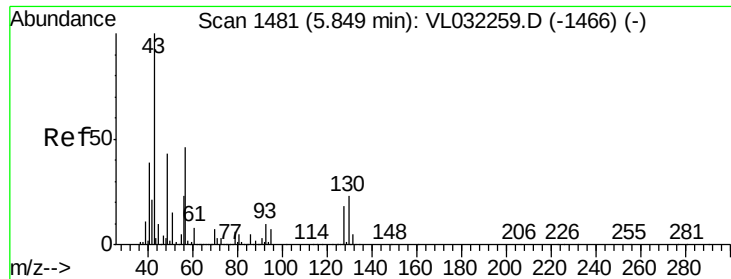
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#24
 1,1-Dichloroethane
 Concen: 9.56 ppbv
 RT: 5.16 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion:	63	Resp:	2194069
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.3
100	2.5	1.3	3.9





#25
Ethyl Acetate
Concen: 9.67 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

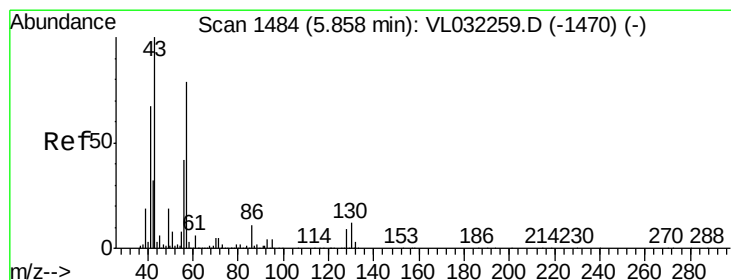
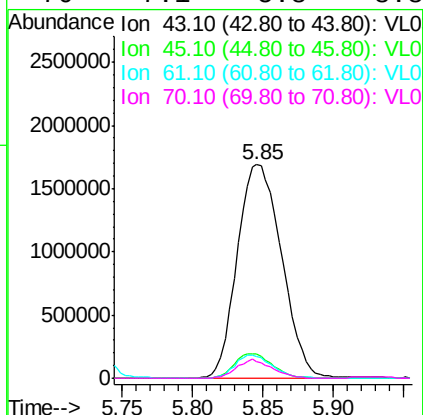
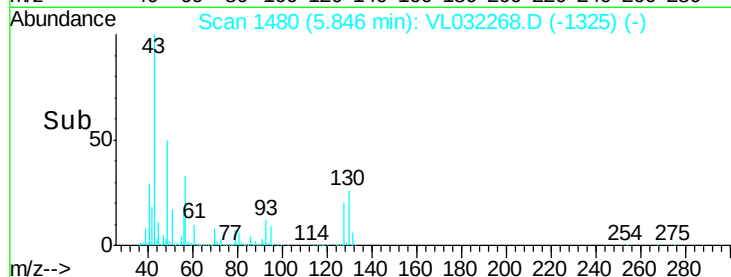
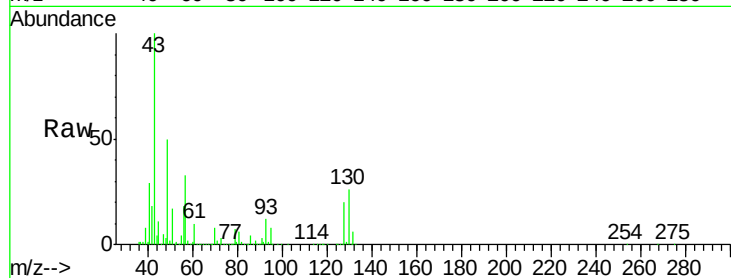
Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion: 43 Resp: 3715605

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.3	7.6	11.4
70	7.1	5.8	8.8

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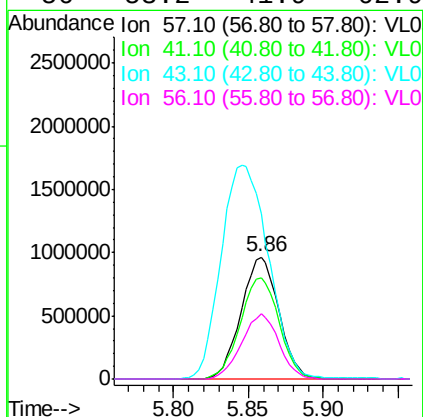
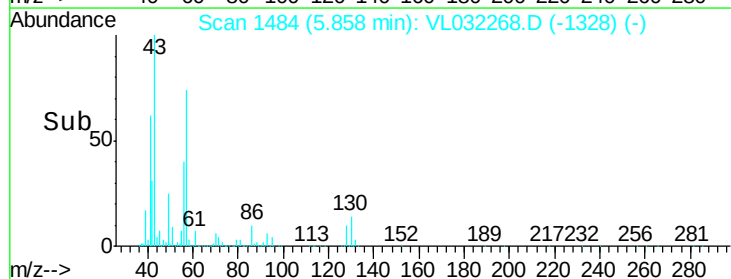
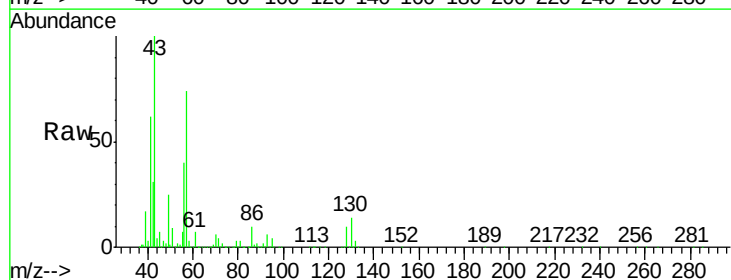
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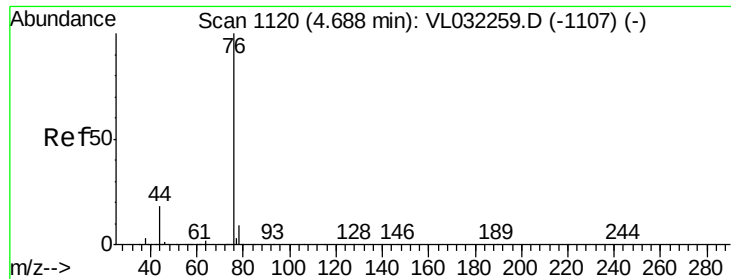


#26
Hexane
Concen: 9.59 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 57 Resp: 1691515

Ion	Ratio	Lower	Upper
57	100		
41	85.7	67.9	101.9
43	221.1	175.9	263.9
56	53.2	41.9	62.9





#27

Carbon Disulfide

Concen: 10.94 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion: 76 Resp: 1709292

Ion Ratio Lower Upper

76 100

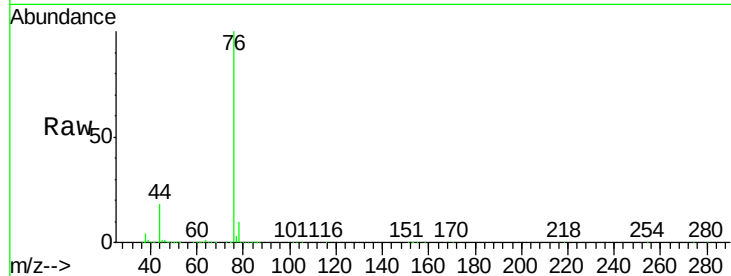
44 18.3 14.3 21.5

78 9.3 7.4 11.0

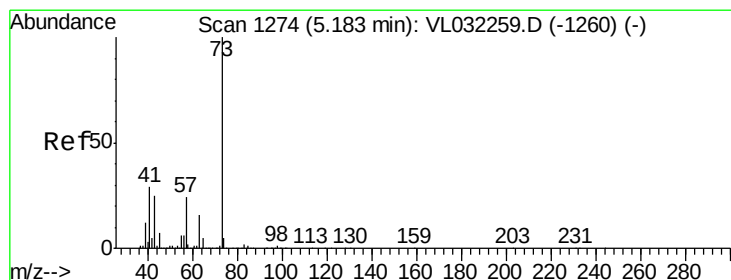
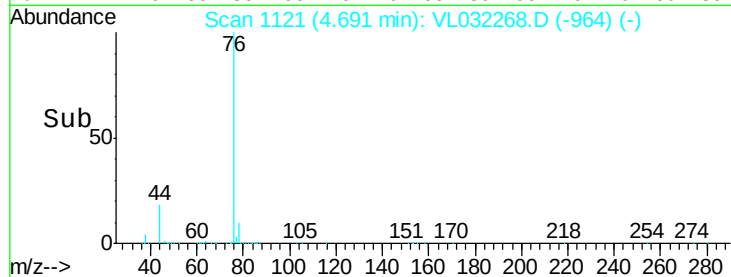
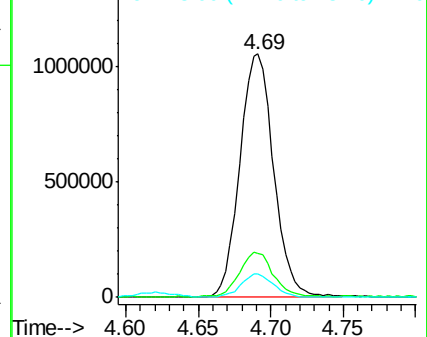
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.04 ppbv

RT: 5.18 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL032268.D

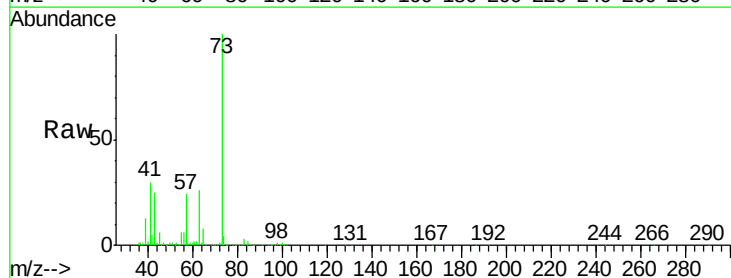
Acq: 18 Jul 2018 19:47

Tgt Ion: 73 Resp: 2626915

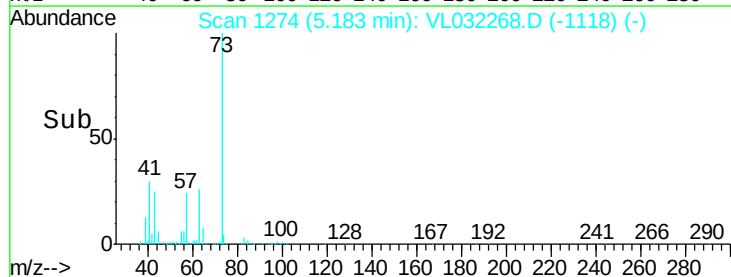
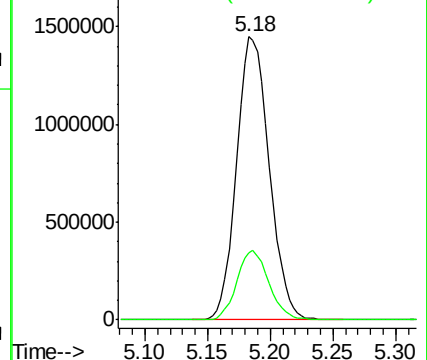
Ion Ratio Lower Upper

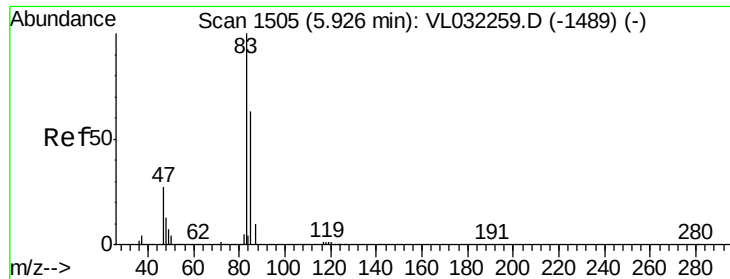
73 100

57 24.2 19.3 28.9



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





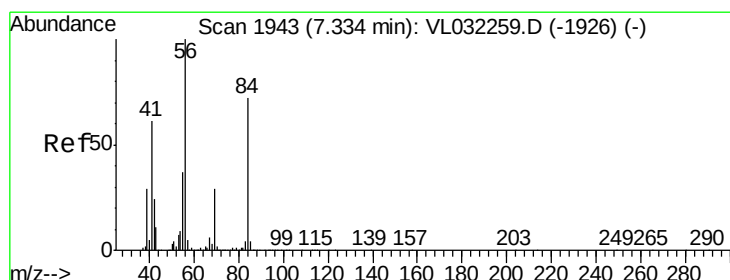
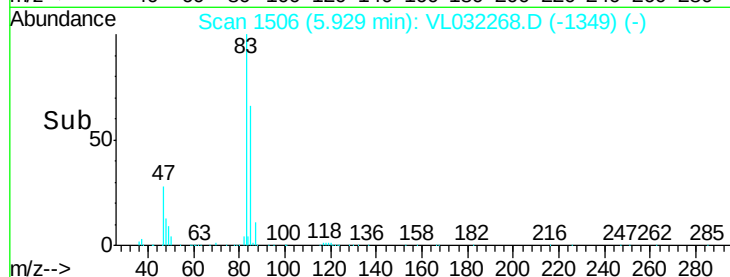
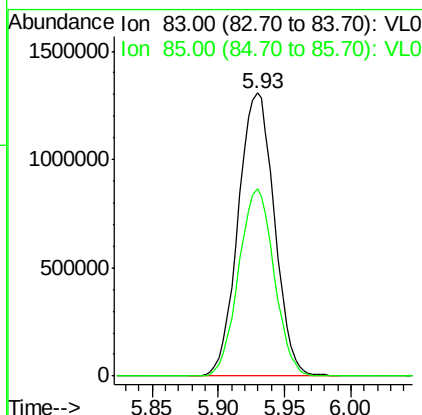
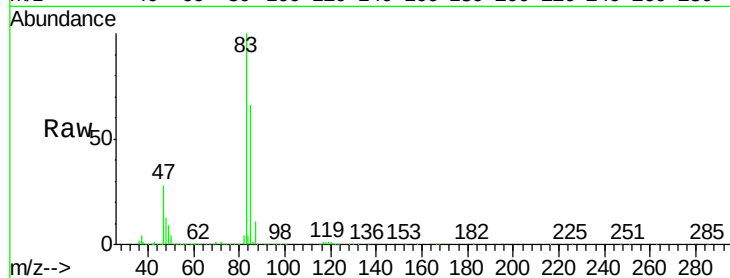
#29
Chloroform
Concen: 9.52 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion: 83 Resp: 2476687
Ion Ratio Lower Upper
83 100
85 66.1 50.7 76.1

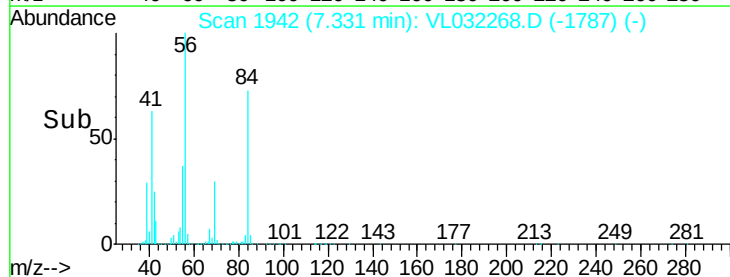
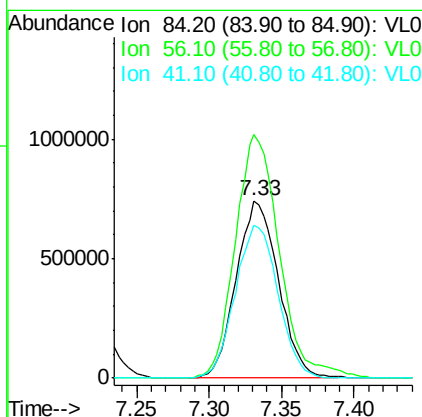
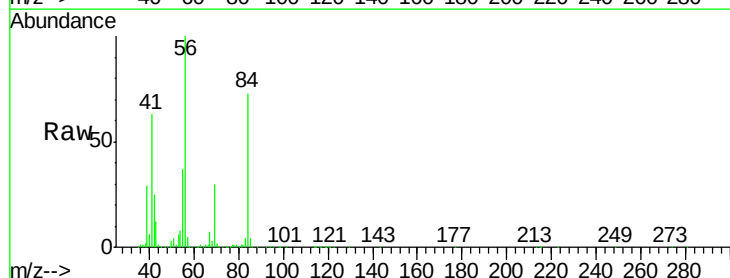
Manual Integrations
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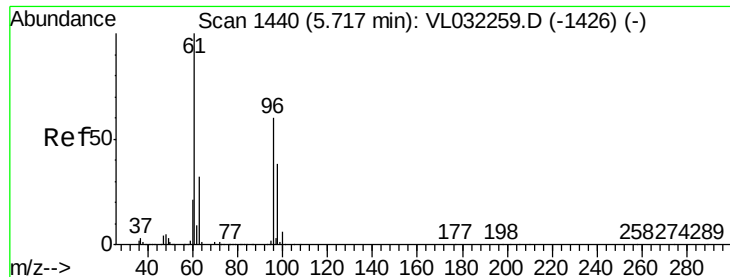
MMDadoda
7/20/2018 2:53:12 PM



#30
Cyclohexane
Concen: 10.13 ppbv
RT: 7.33 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 84 Resp: 1500025
Ion Ratio Lower Upper
84 100
56 144.2 115.6 173.4
41 87.6 68.7 103.1





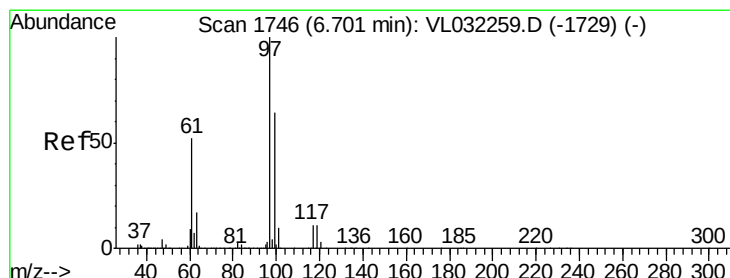
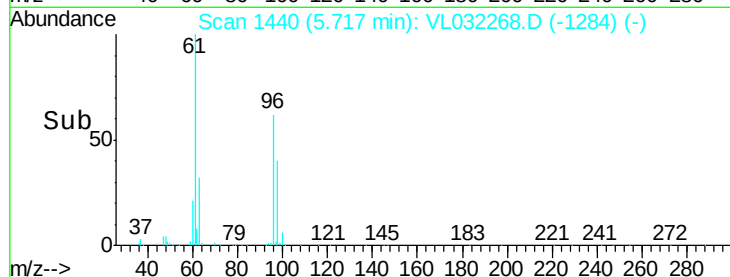
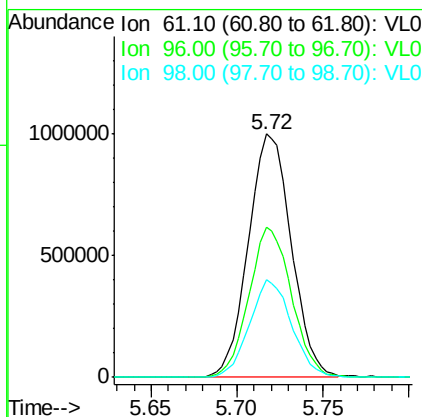
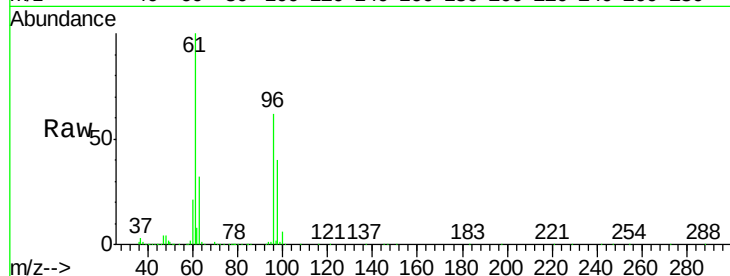
#31
 cis-1,2-Dichloroethene
 Concen: 10.23 ppbv
 RT: 5.72 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.8	47.9	71.9
98	40.0	30.5	45.7

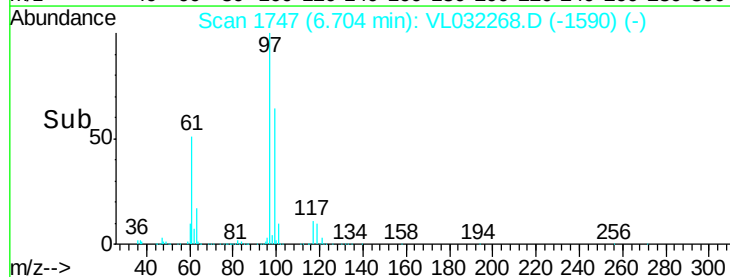
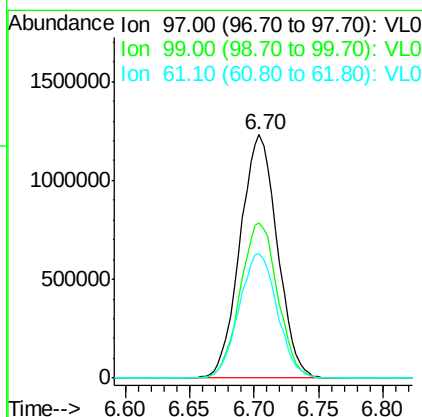
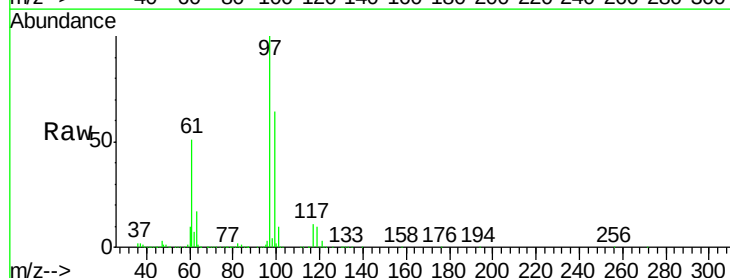
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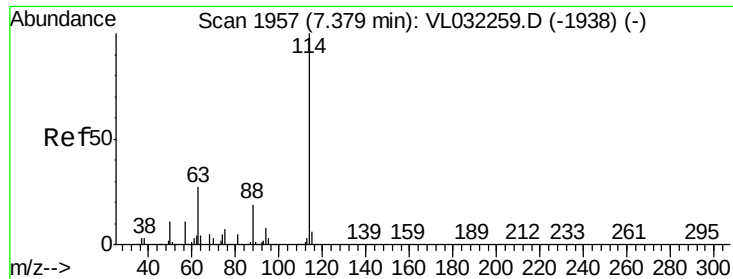
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 9.42 ppbv
 RT: 6.70 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	52.3	41.2	61.8





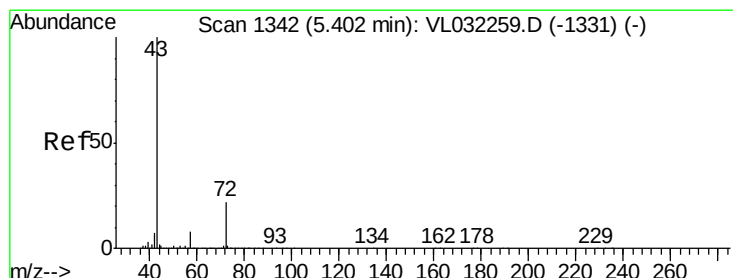
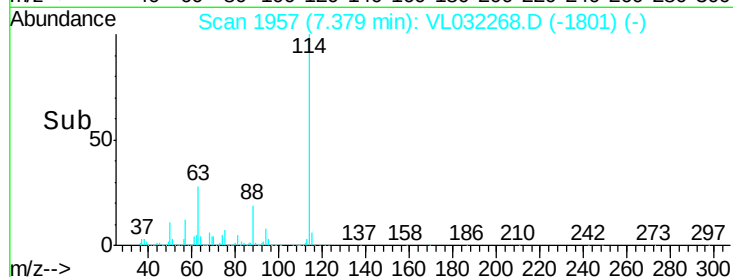
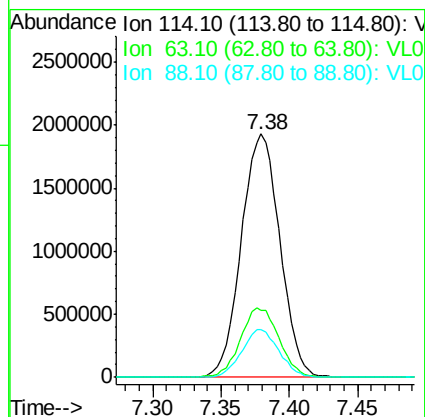
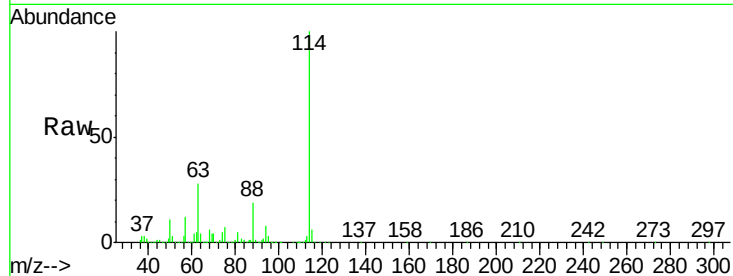
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.5	22.6	33.8
88	18.9	15.2	22.8

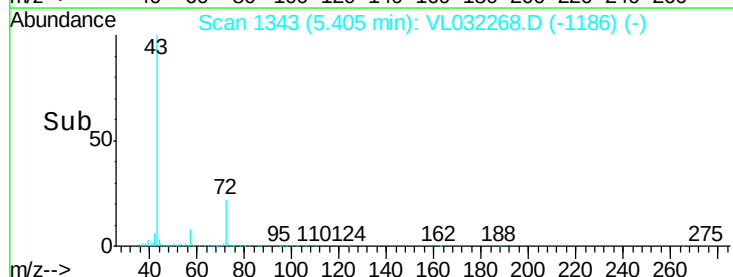
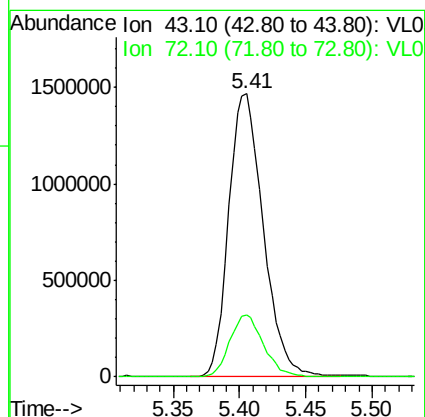
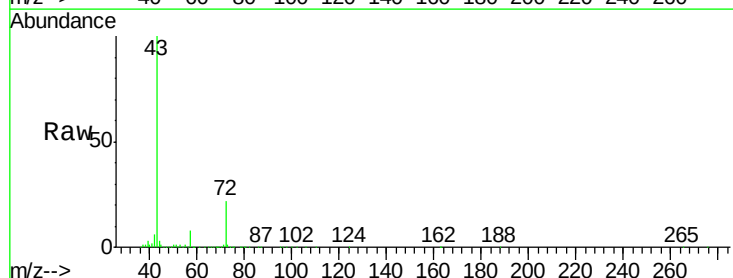
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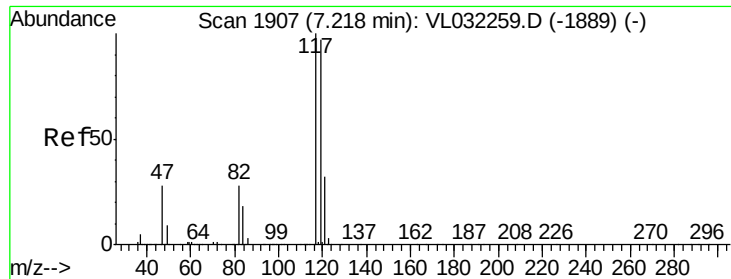
MMDadoda
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#34
 2-Butanone
 Concen: 10.16 ppbv
 RT: 5.41 min Scan# 1343
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.7	26.5





#35

Carbon Tetrachloride

Concen: 9.73 ppbv

RT: 7.22 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

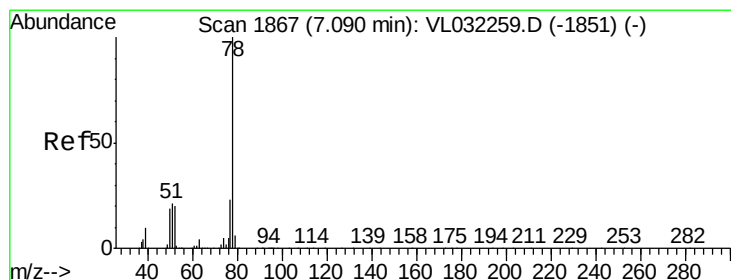
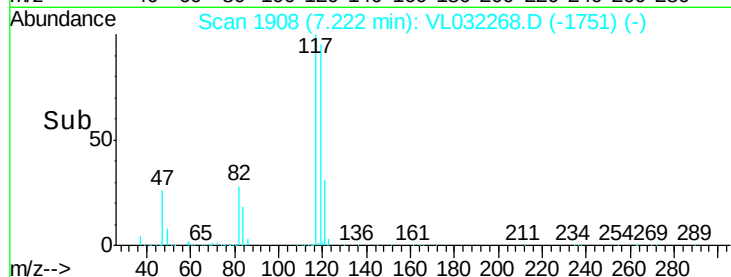
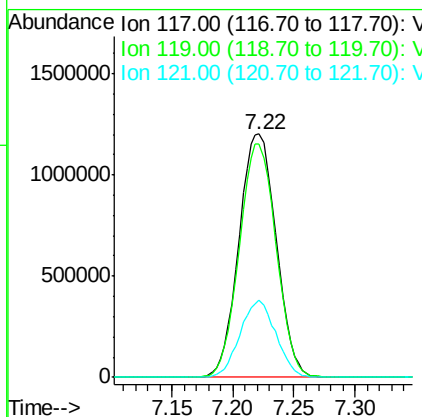
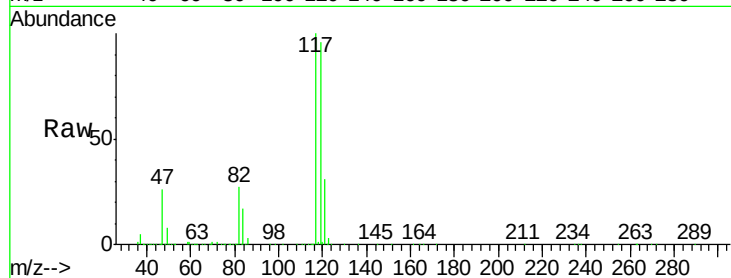
VL0718ABS01

Tot Ion:117 Resp: 2534951

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	31.5	25.4	38.2

Manual Integrations
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#36

Benzene

Concen: 9.98 ppbv

RT: 7.09 min Scan# 1868

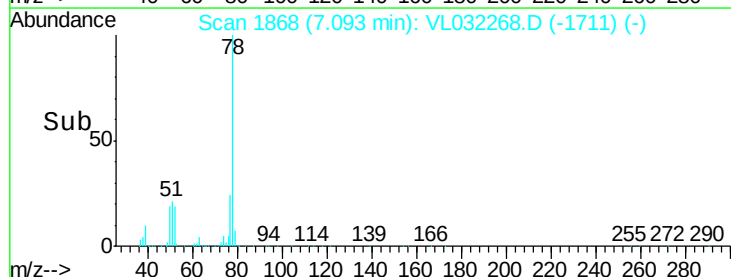
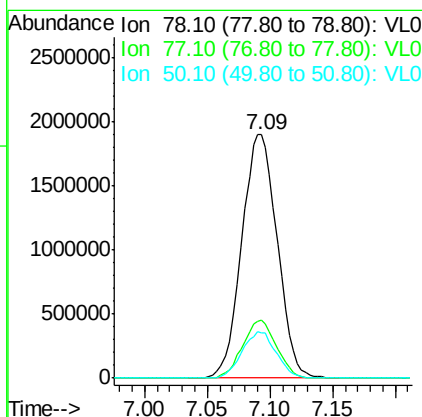
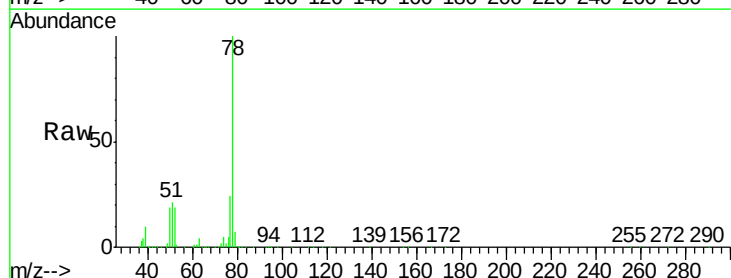
Delta R.T. 0.00 min

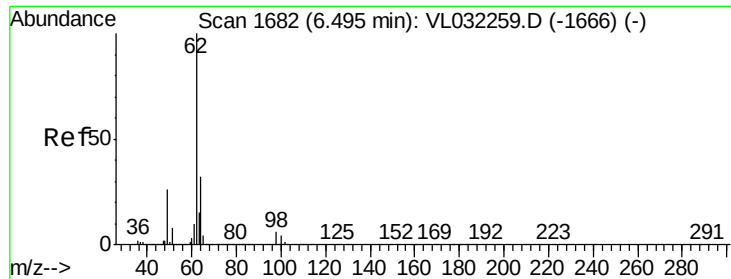
Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion: 78 Resp: 3719831

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	27.8
50	18.8	15.0	22.6





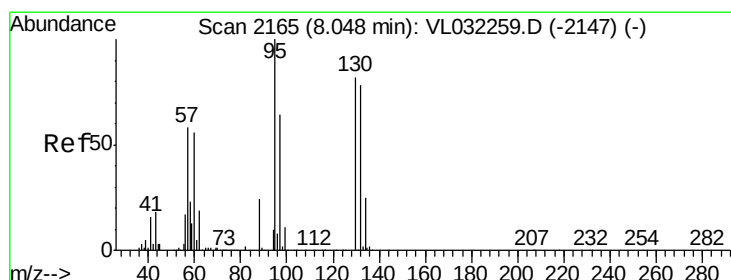
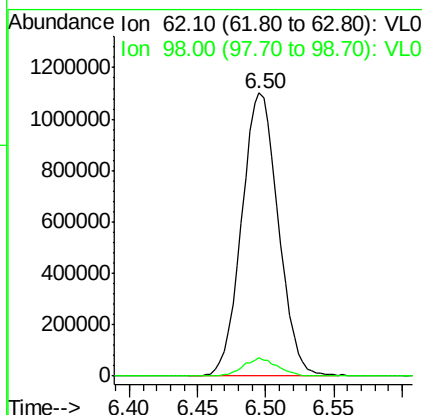
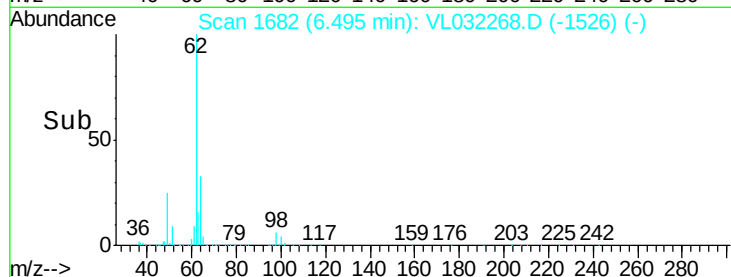
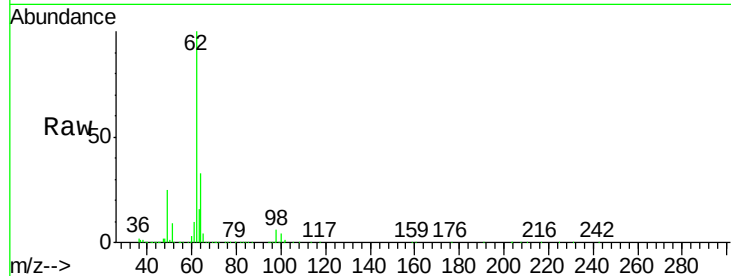
#37
 1,2-Dichloroethane
 Concen: 9.31 ppbv
 RT: 6.50 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.9	7.3

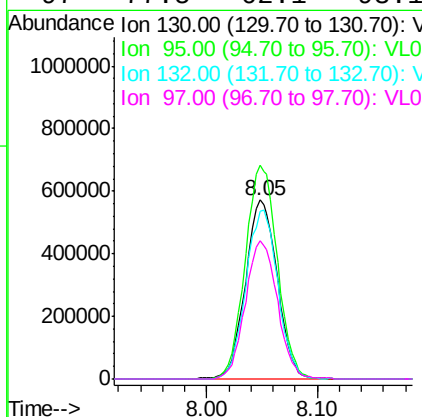
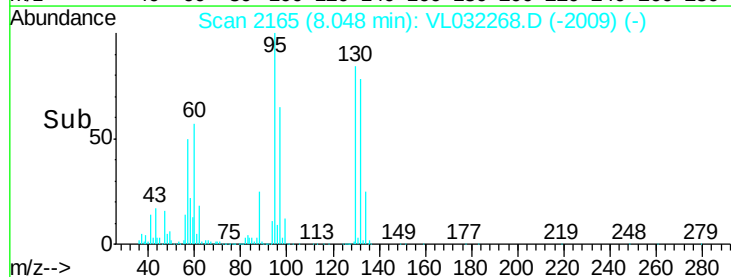
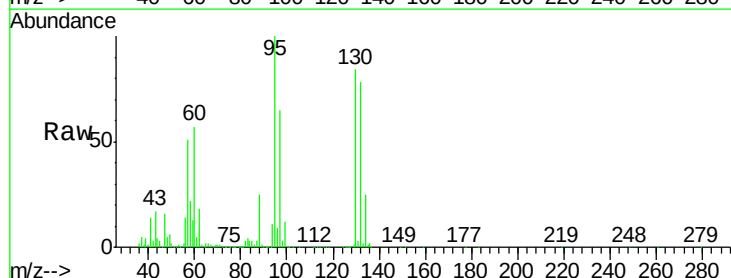
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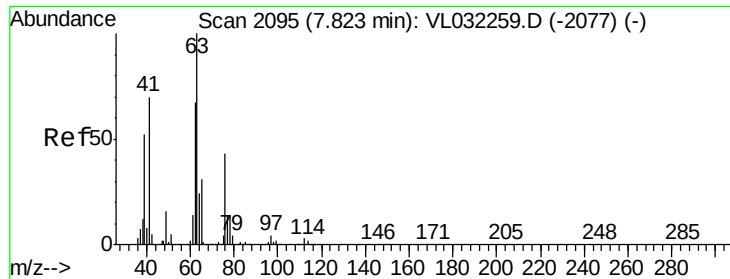
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#38
 Trichloroethene
 Concen: 9.25 ppbv
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	119.5	97.1	145.7
132	93.7	75.6	113.4
97	77.5	62.1	93.1





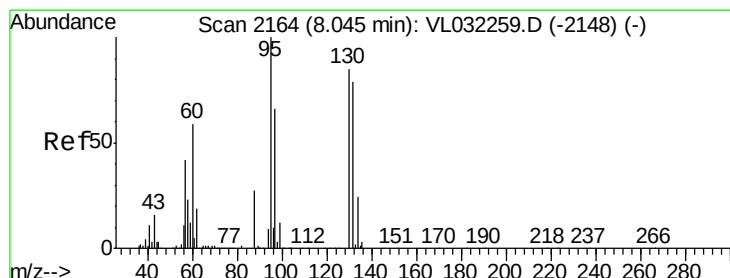
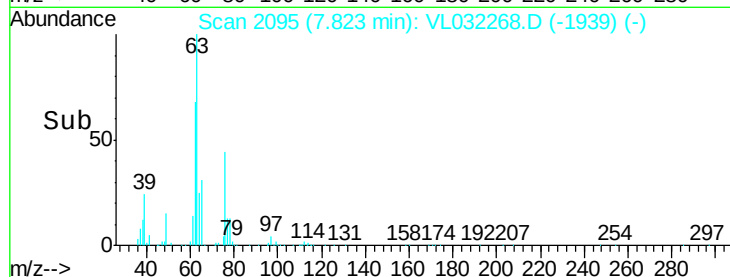
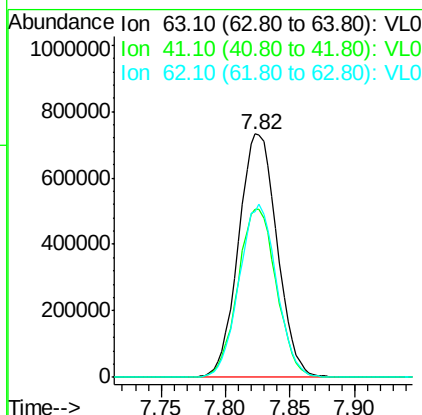
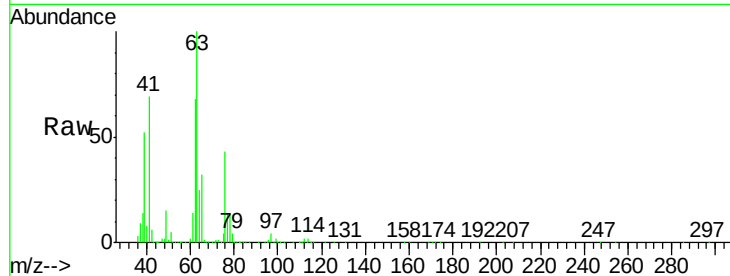
#39
 1,2-Dichloropropane
 Concen: 10.34 ppbv
 RT: 7.82 min Scan# 2095
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.8	55.8	83.6
62	68.2	53.8	80.8

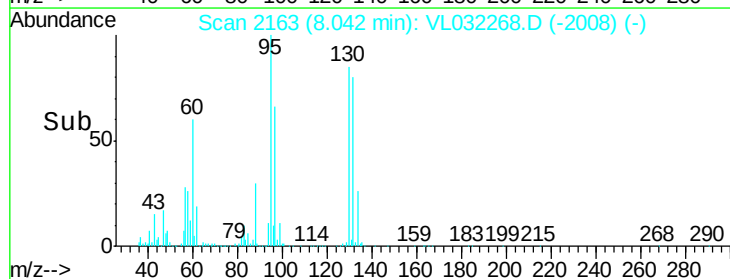
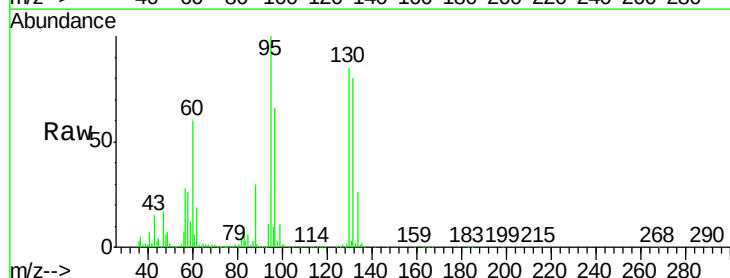
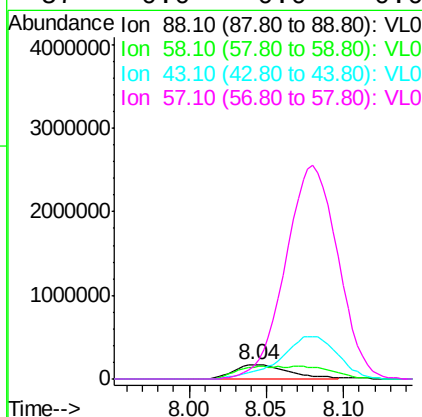
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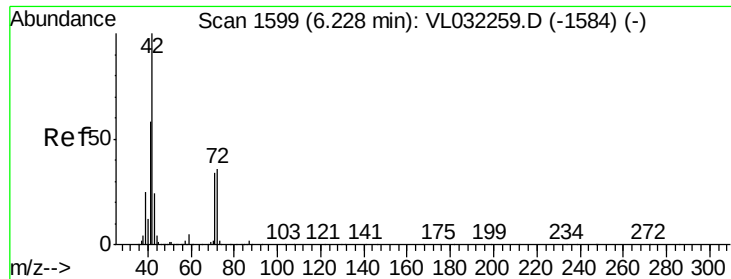
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#40
 1,4-Dioxane
 Concen: 9.55 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	152.0	60.9	91.3#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





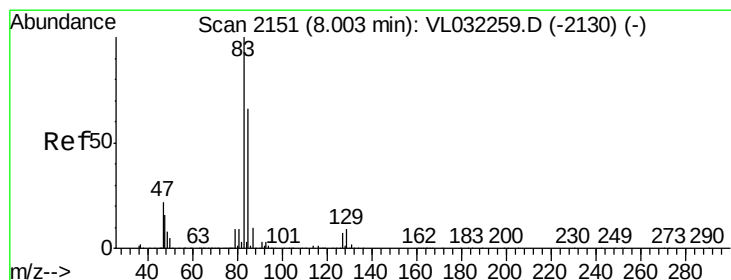
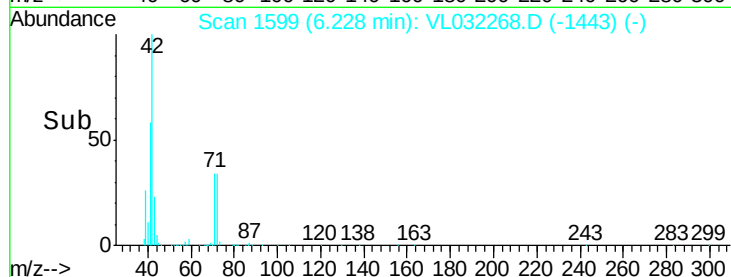
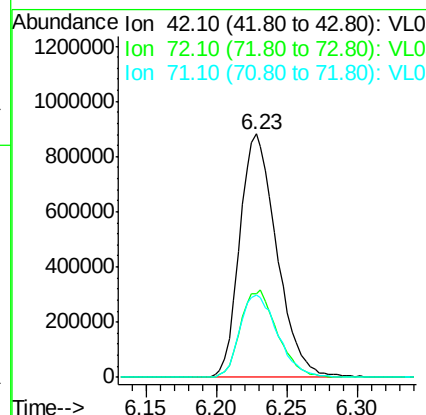
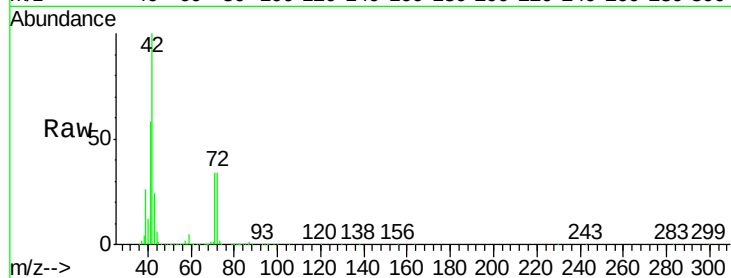
#41
Tetrahydrofuran
Concen: 10.70 ppbv
RT: 6.23 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	29.4	44.0
71	34.6	28.2	42.4

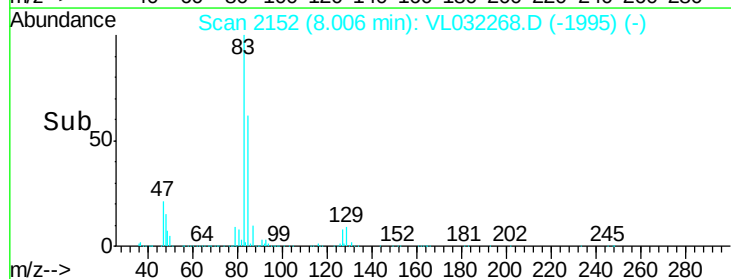
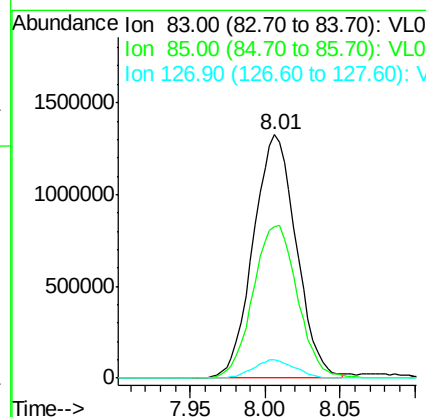
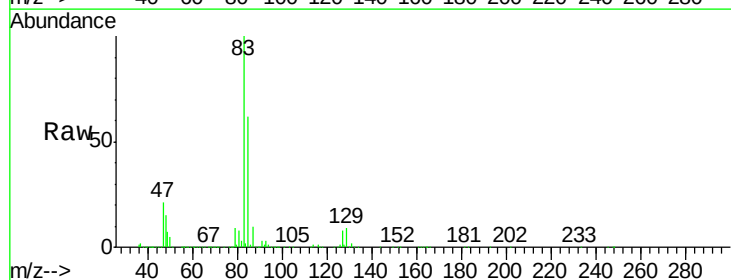
Manual Integrations
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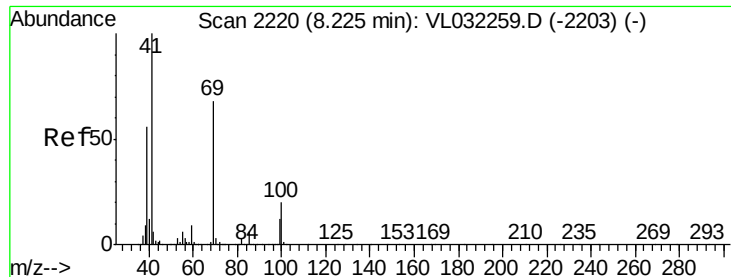
MMDadoda
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#42
Bromodichloromethane
Concen: 9.55 ppbv
RT: 8.01 min Scan# 2152
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.0	79.4
127	7.7	5.7	8.5





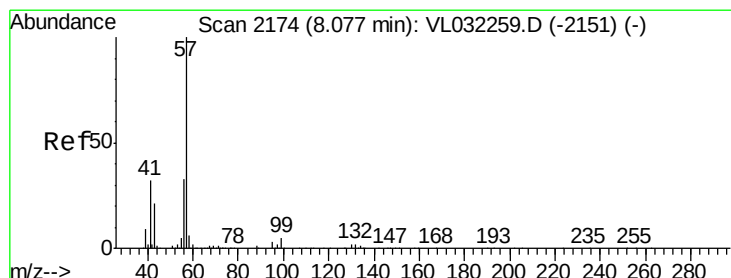
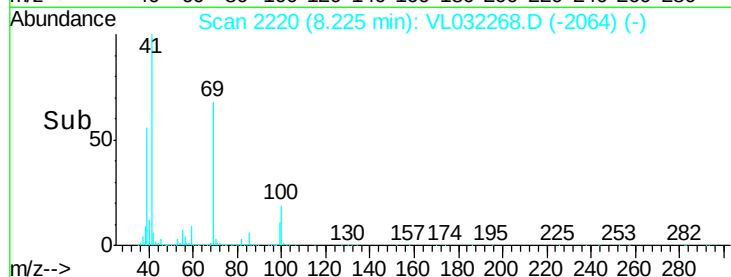
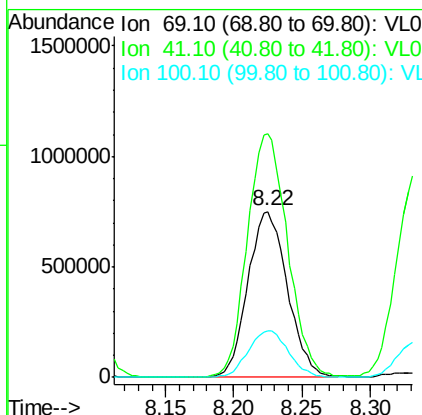
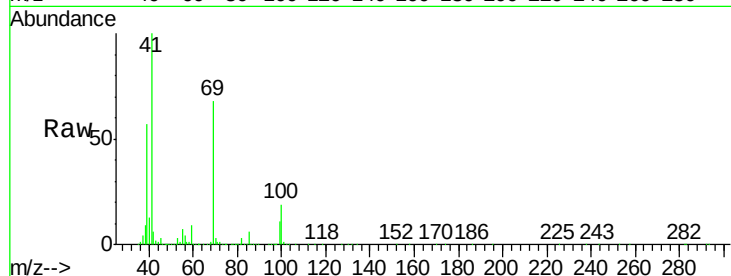
#43
Methyl Methacrylate
Concen: 9.90 ppbv
RT: 8.22 min Scan# 2220
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	149.4	118.6	177.8
100	28.7	23.3	34.9

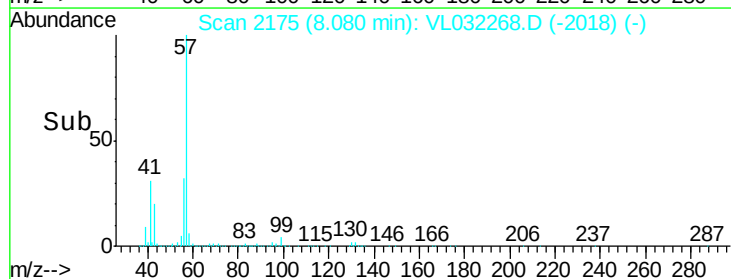
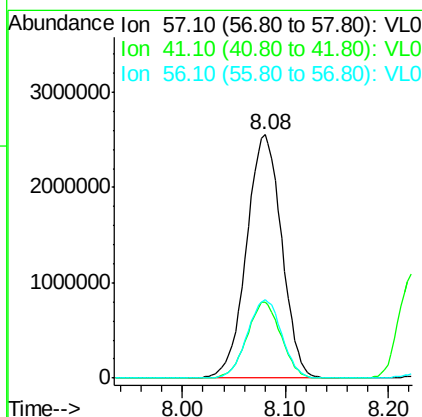
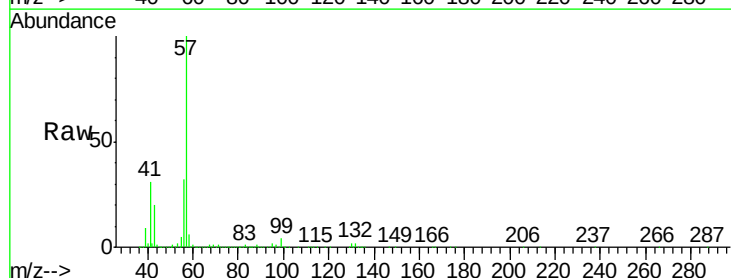
Manual Integrations
APPROVED

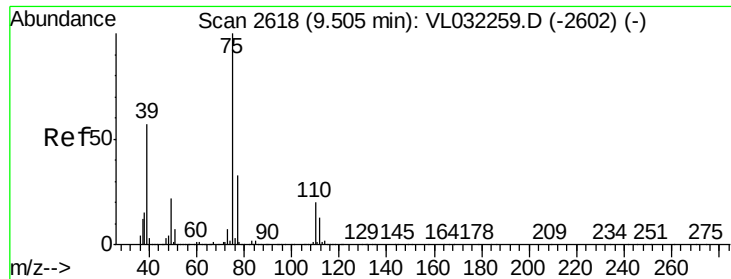
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#44
2,2,4-Trimethylpentane
Concen: 9.29 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.2	24.4	36.6
56	31.6	25.7	38.5





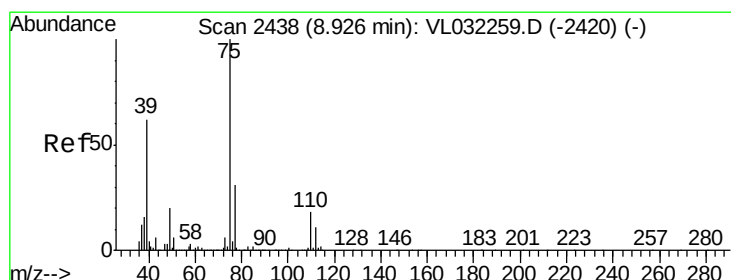
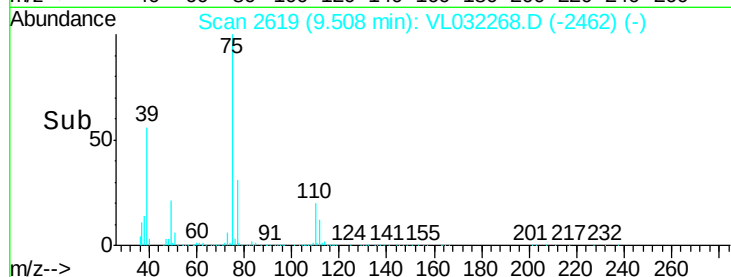
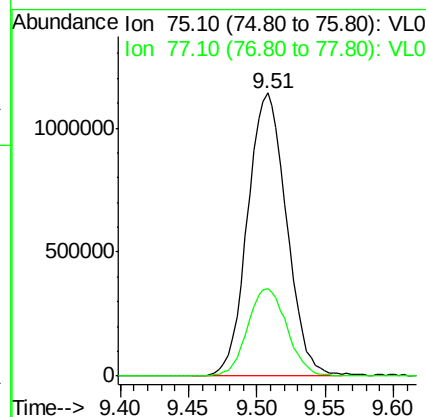
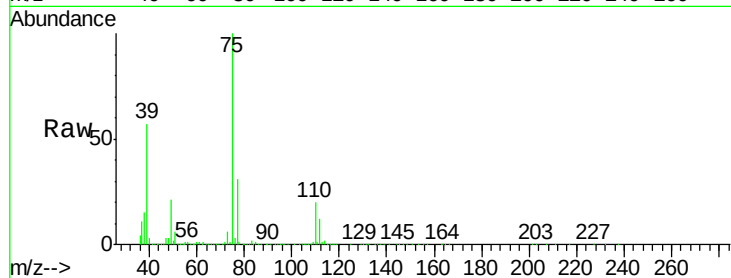
#45
t-1,3-Dichloropropene
Concen: 12.56 ppbv
RT: 9.51 min Scan# 2619
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion: 75 Resp: 2261340
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.4

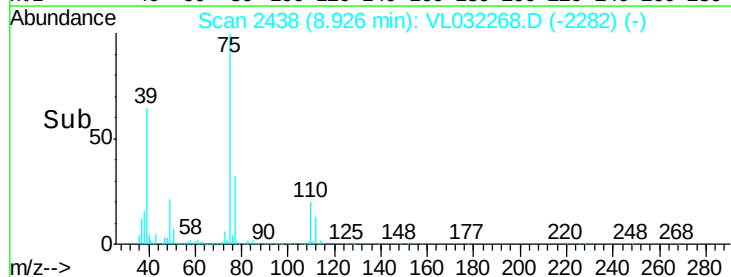
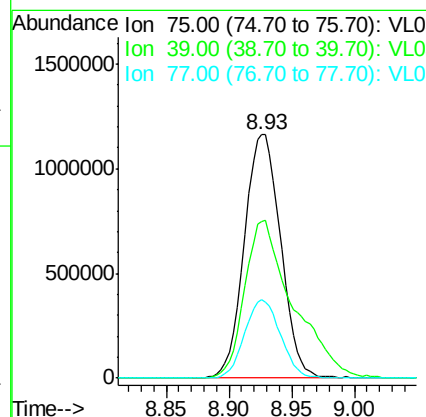
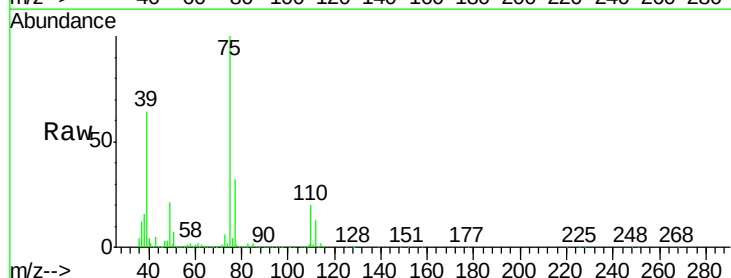
Manual Integrations
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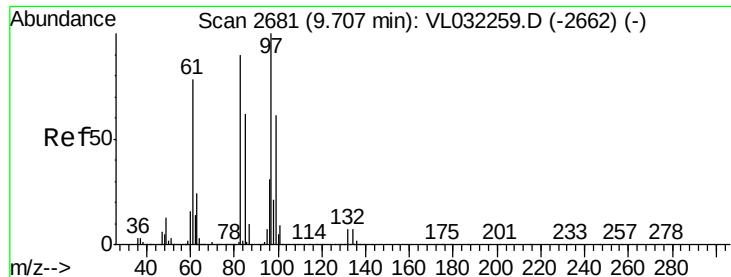
MMDadoda
7/20/2018 2:53:12 PM



#46
cis-1,3-Dichloropropene
Concen: 10.21 ppbv
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 75 Resp: 2345130
Ion Ratio Lower Upper
75 100
39 64.2 49.9 74.9
77 32.0 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 8.90 ppbv

RT: 9.71 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion: 97 Resp: 1420193

Ion Ratio Lower Upper

97 100

83 96.0 72.3 108.5

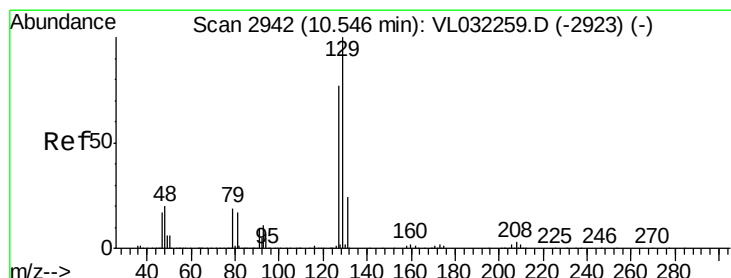
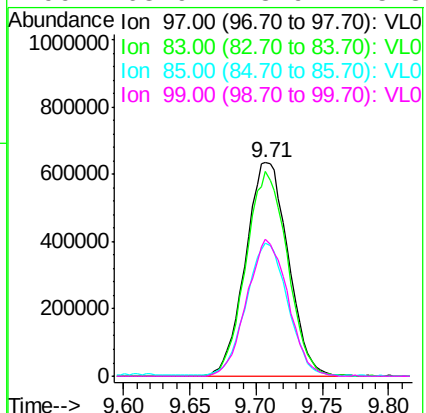
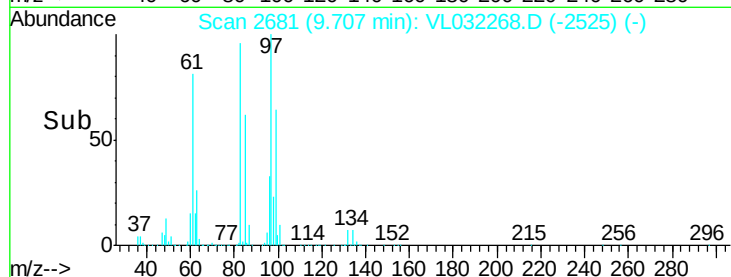
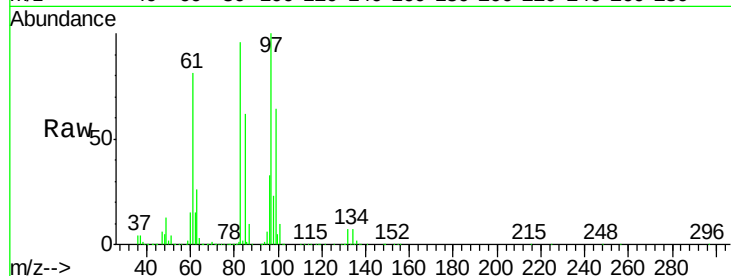
85 62.0 49.5 74.3

99 63.9 48.9 73.3

Manual Integrations
APPROVED

MMDadoda

7/20/2018 2:53:12 PM



#48

Dibromochloromethane

Concen: 9.46 ppbv

RT: 10.55 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VL032268.D

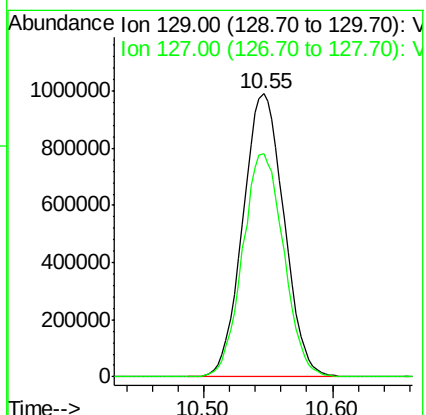
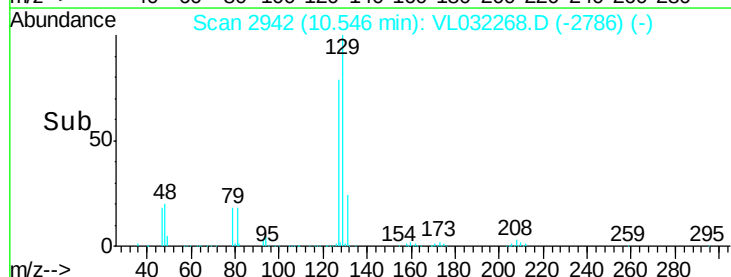
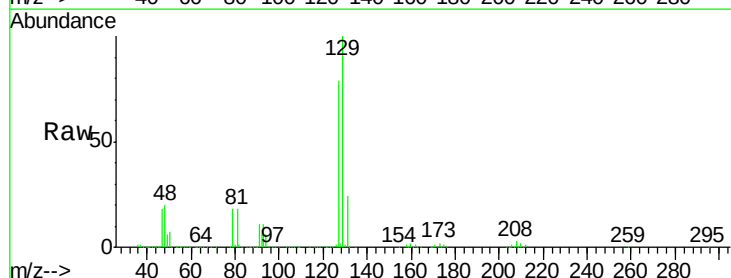
Acq: 18 Jul 2018 19:47

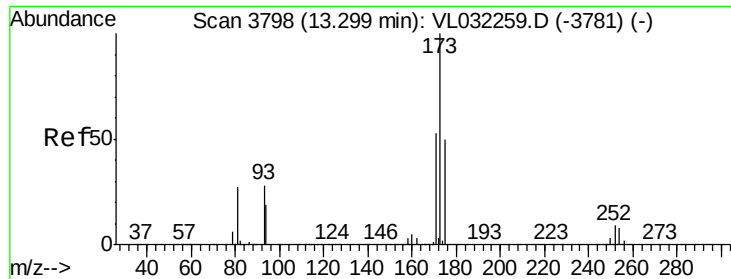
Tgt Ion: 129 Resp: 2200465

Ion Ratio Lower Upper

129 100

127 79.0 39.1 117.3





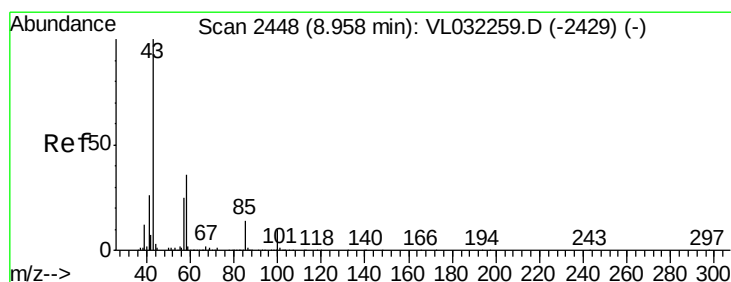
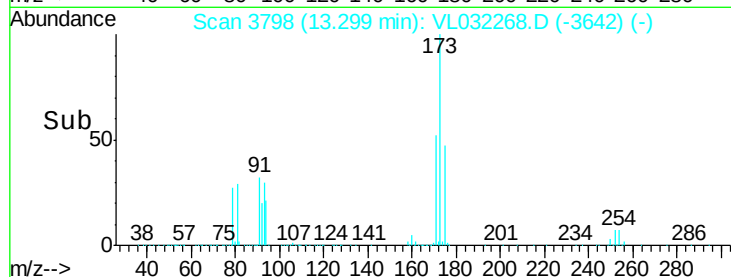
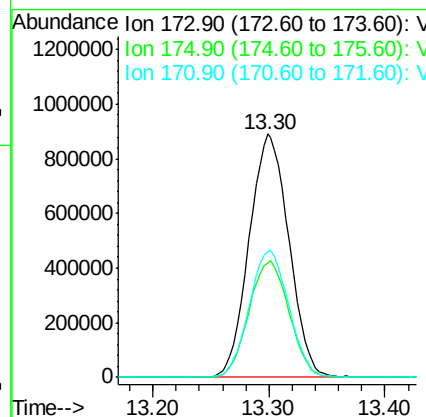
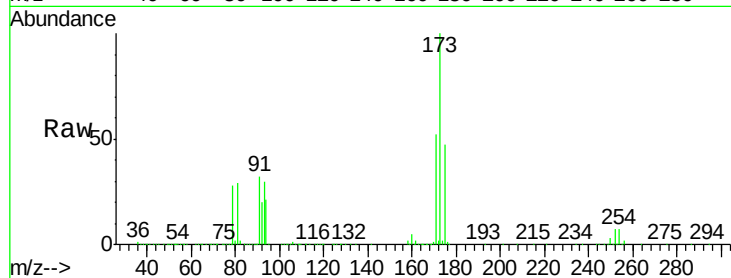
#49
Bromoform
Concen: 10.43 ppbv
RT: 13.30 min Scan# 3798
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion:173 Resp: 2117006
Ion Ratio Lower Upper
173 100
175 48.5 39.0 58.6
171 52.1 41.6 62.4

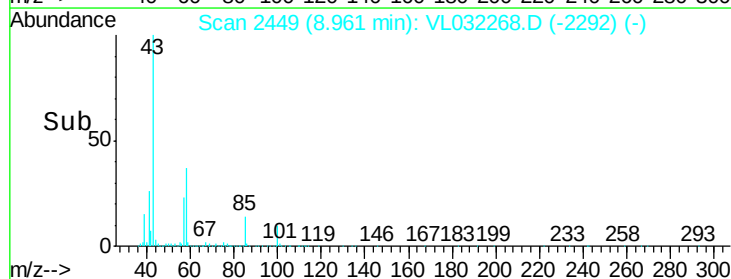
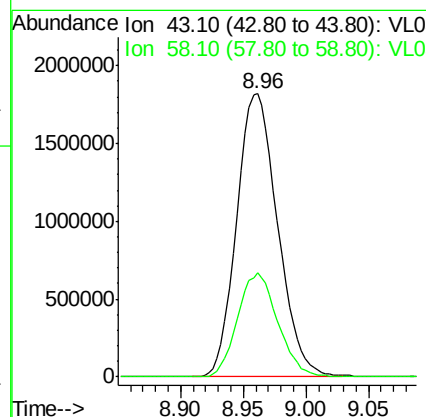
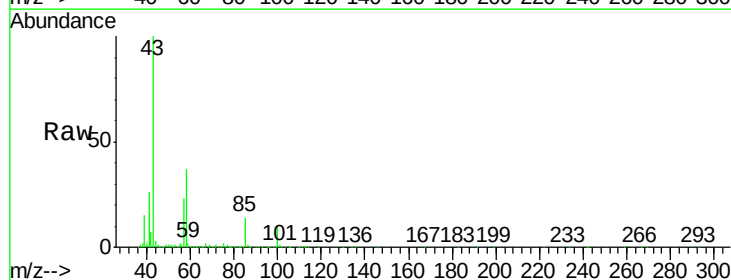
Manual Integrations
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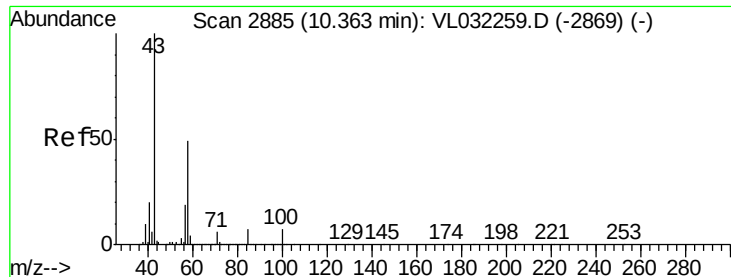
MMDadoda
7/20/2018 2:53:12 PM



#50
4-Methyl-2-Pentanone
Concen: 9.65 ppbv
RT: 8.96 min Scan# 2449
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 43 Resp: 4126997
Ion Ratio Lower Upper
43 100
58 36.2 29.2 43.8





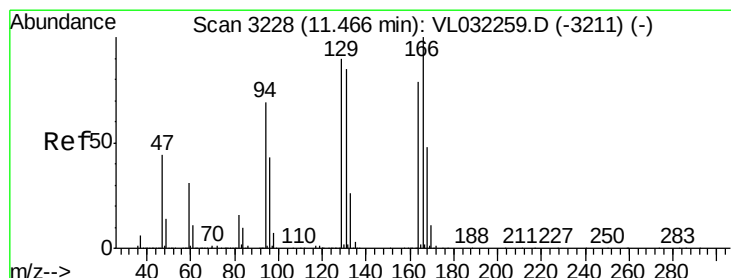
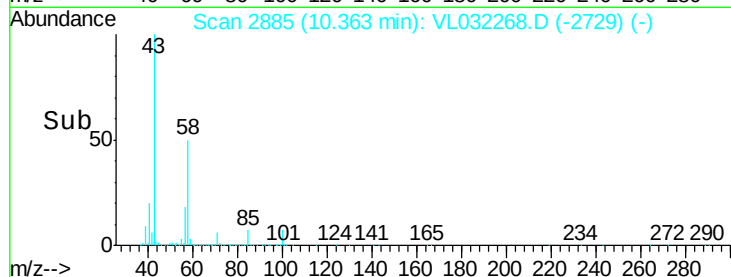
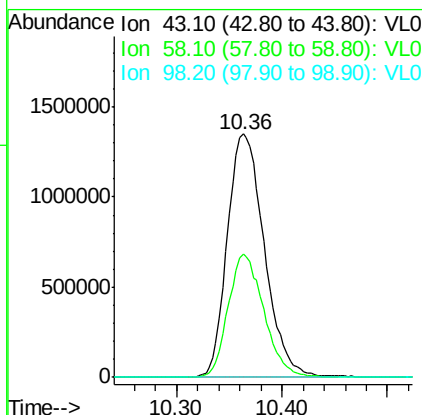
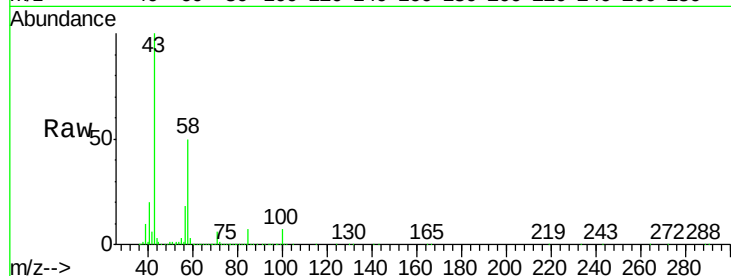
#51
2-Hexanone
Concen: 10.09 ppbv
RT: 10.36 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion: 43 Resp: 3289106
Ion Ratio Lower Upper
43 100
58 49.0 39.4 59.2
98 0.4 0.2 0.2#

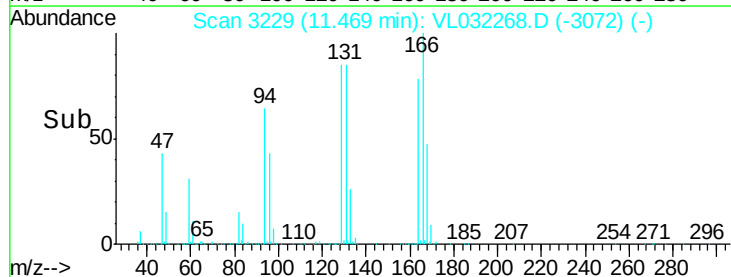
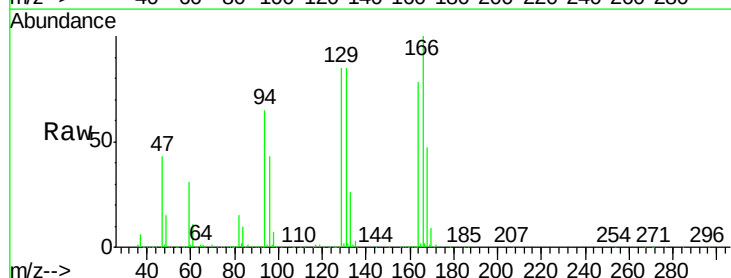
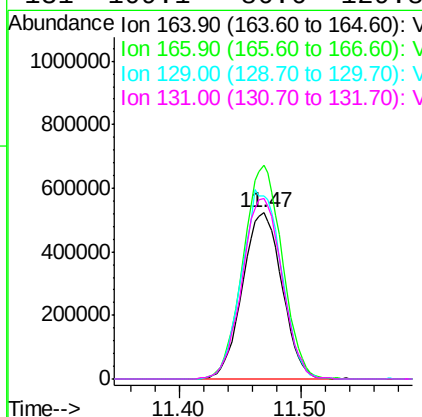
Manual Integrations
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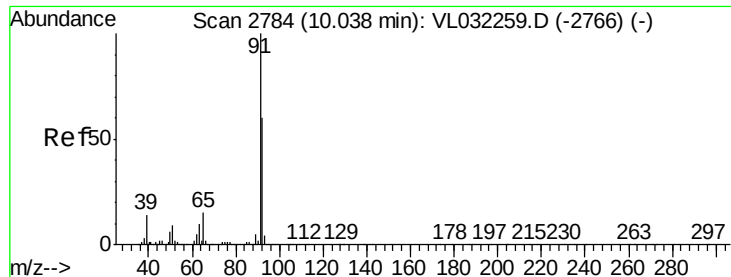
MMDadoda
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#52
Tetrachloroethene
Concen: 9.18 ppbv
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion:164 Resp: 1168980
Ion Ratio Lower Upper
164 100
166 128.7 101.7 152.5
129 110.0 91.5 137.3
131 109.1 86.6 129.8





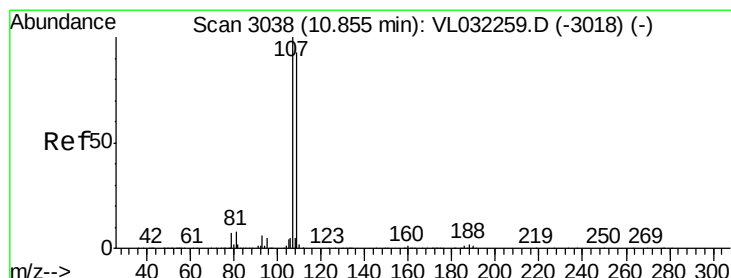
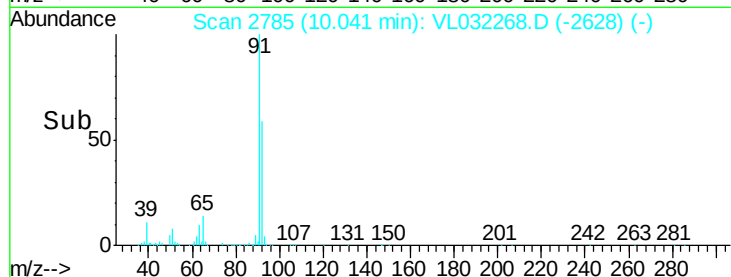
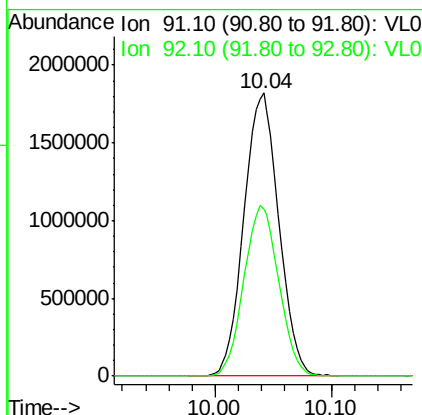
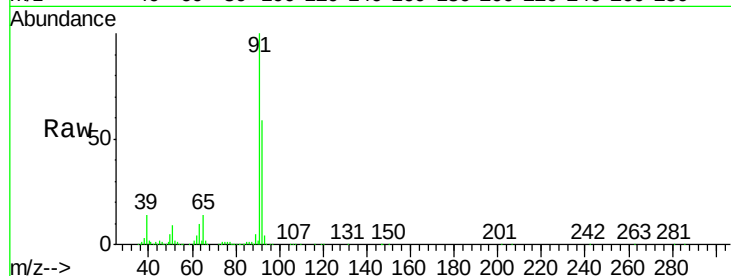
#53
Toluene
Concen: 8.43 ppbv
RT: 10.04 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion: 91 Resp: 3812202
Ion Ratio Lower Upper
91 100
92 60.1 48.6 72.8

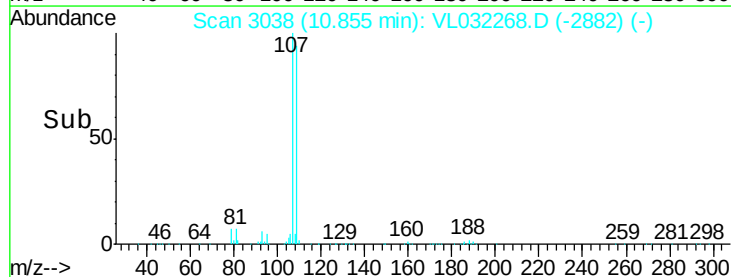
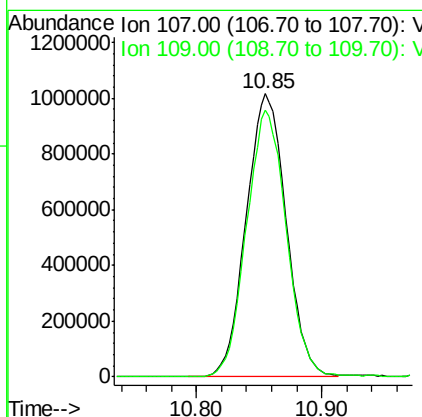
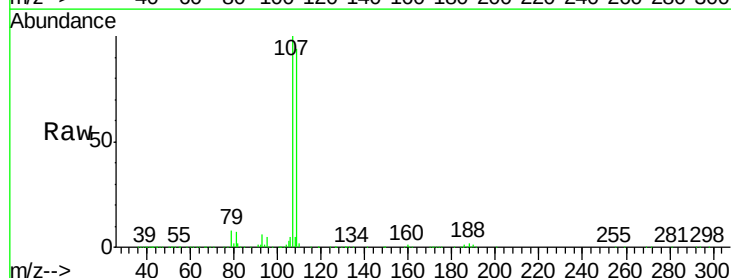
Manual Integrations
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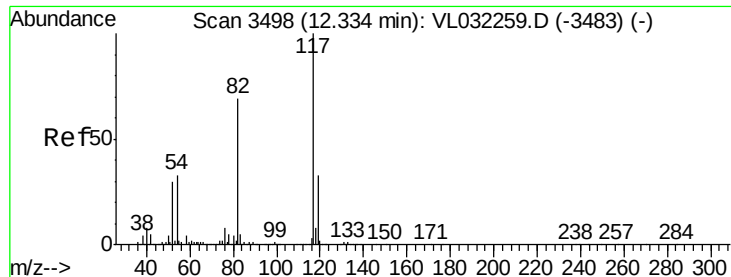
MMDadoda
7/20/2018 2:53:12 PM



#54
1,2-Dibromoethane
Concen: 9.57 ppbv
RT: 10.85 min Scan# 3038
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 107 Resp: 2251250
Ion Ratio Lower Upper
107 100
109 94.0 74.8 112.2





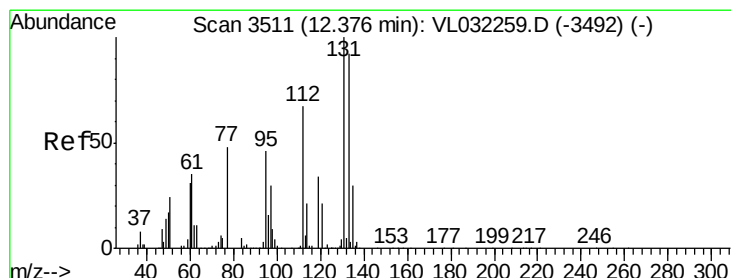
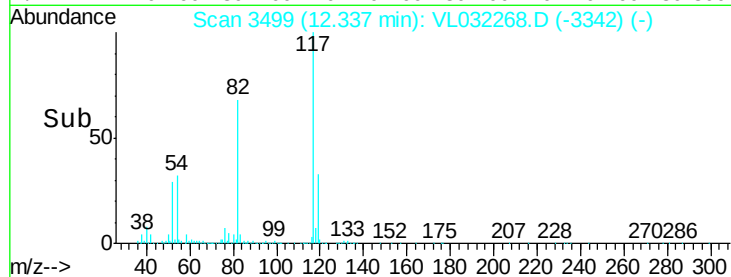
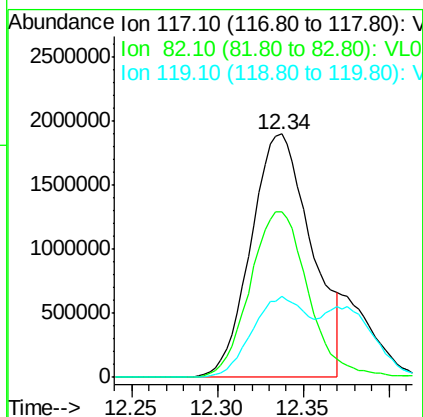
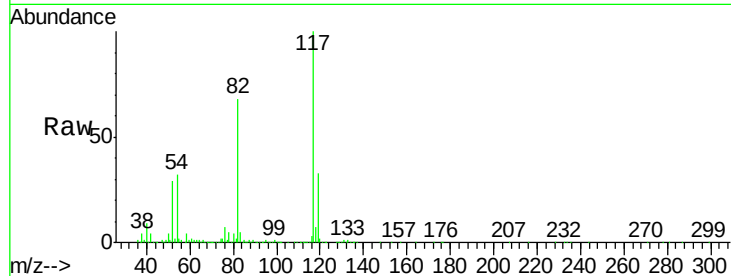
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.34 min Scan# 3499
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion:117 Resp: 4646120
Ion Ratio Lower Upper
117 100
82 66.0 53.9 80.9
119 55.8 25.5 38.3#

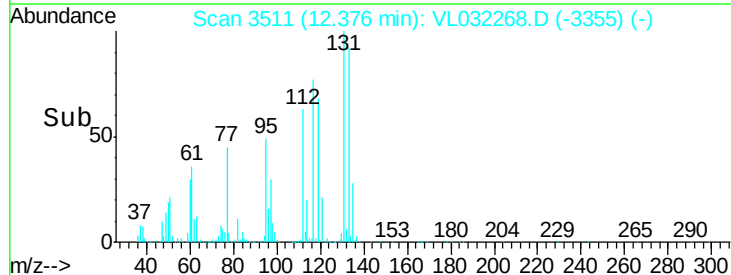
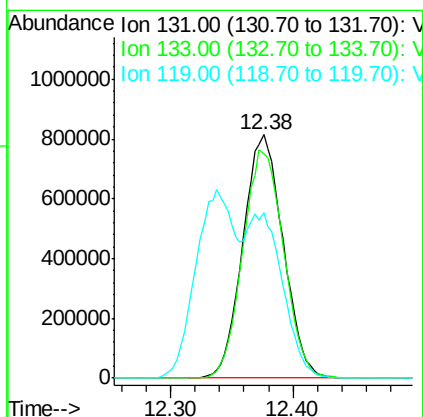
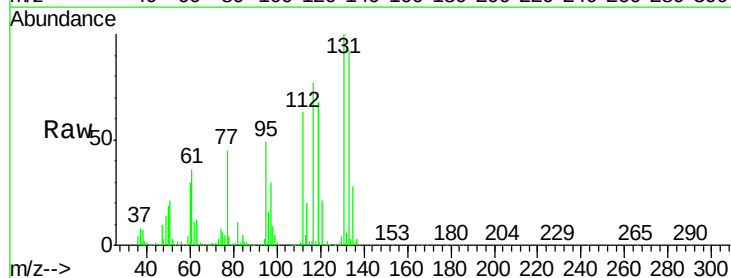
Manual Integrations
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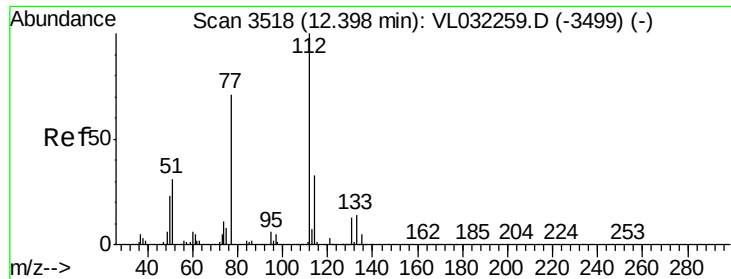
MMDadoda
7/20/2018 2:53:12 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.95 ppbv
RT: 12.38 min Scan# 3511
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion:131 Resp: 1851253
Ion Ratio Lower Upper
131 100
133 95.3 75.4 113.0
119 58.7 49.4 74.2





#57

Chlorobenzene

Concen: 8.97 ppbv

RT: 12.40 min Scan# 3518

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion:112 Resp: 3419256

Ion Ratio Lower Upper

112 100

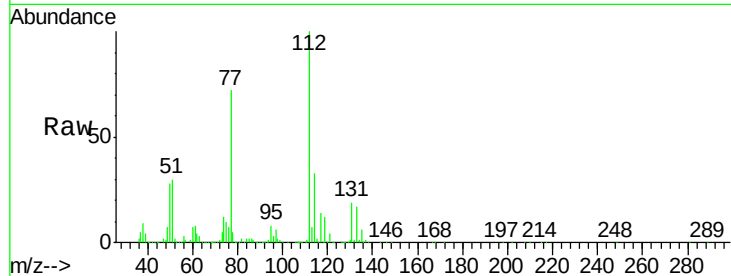
77 72.0 58.2 87.4

114 32.6 29.5 36.1

Manual Integrations
APPROVED

MMDadoda

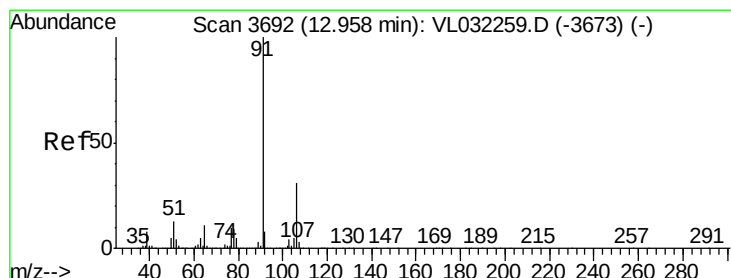
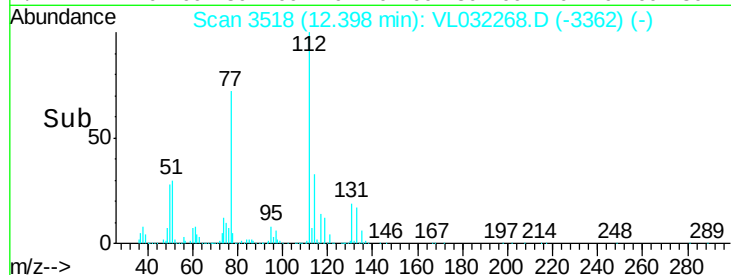
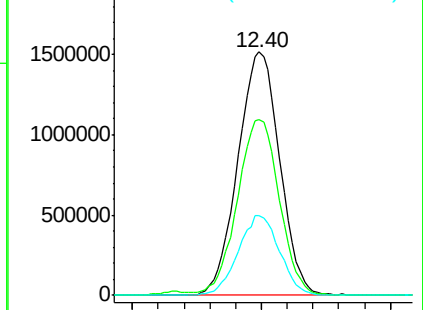
7/20/2018 2:53:12 PM



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: 9.71 ppbv

RT: 12.96 min Scan# 3692

Delta R.T. 0.00 min

Lab File: VL032268.D

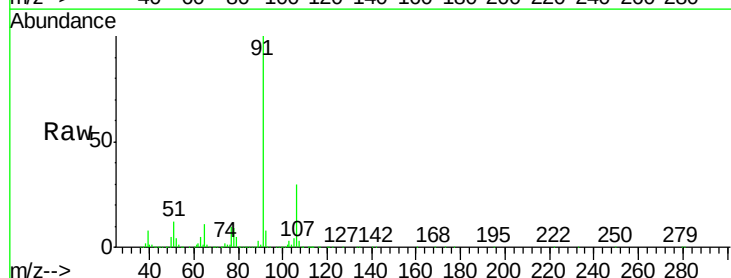
Acq: 18 Jul 2018 19:47

Tgt Ion: 91 Resp: 6357447

Ion Ratio Lower Upper

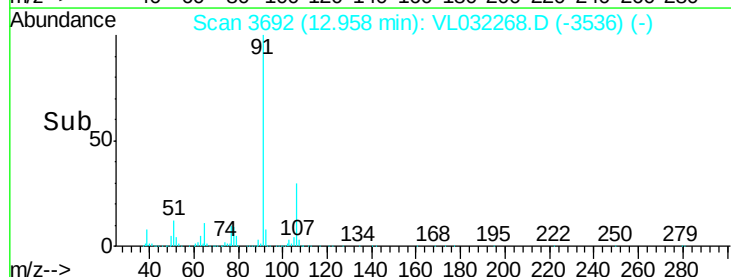
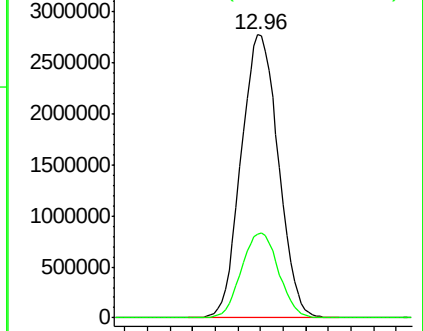
91 100

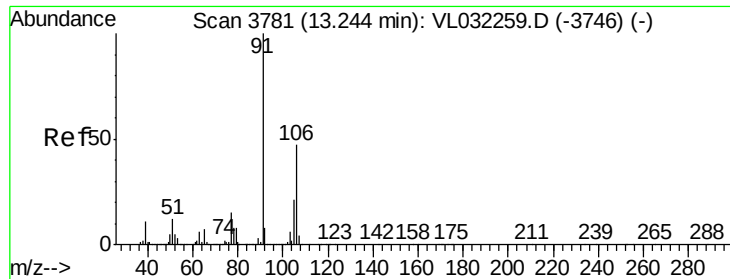
106 29.7 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





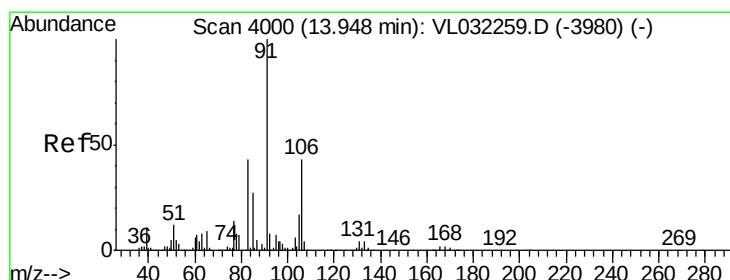
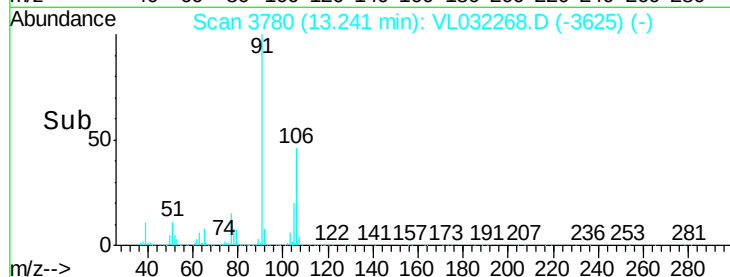
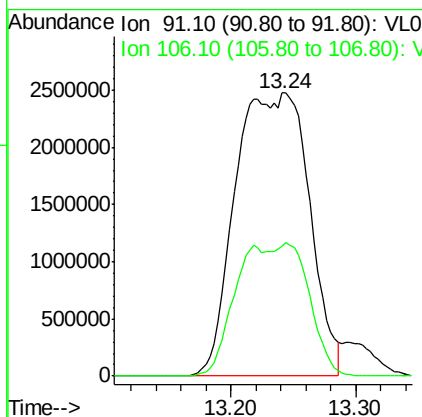
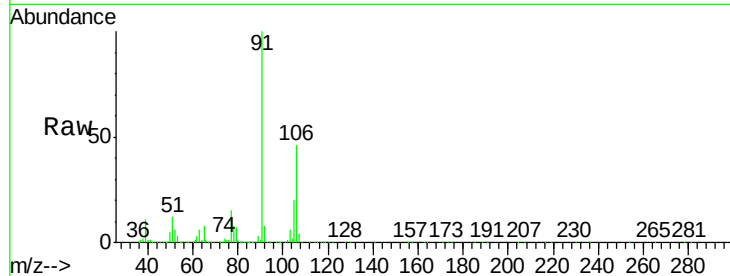
#59
m/p-Xylene
Concen: 18.17 ppbv m
RT: 13.24 min Scan# 3780
Delta R.T. -0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion: 91 Resp:10147024
Ion Ratio Lower Upper
91 100
106 45.8 36.2 54.2

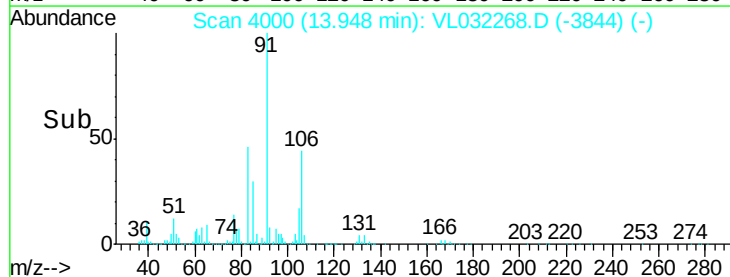
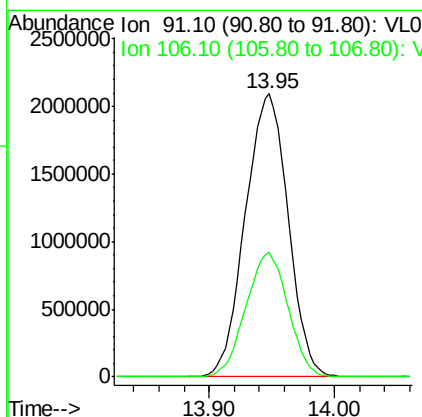
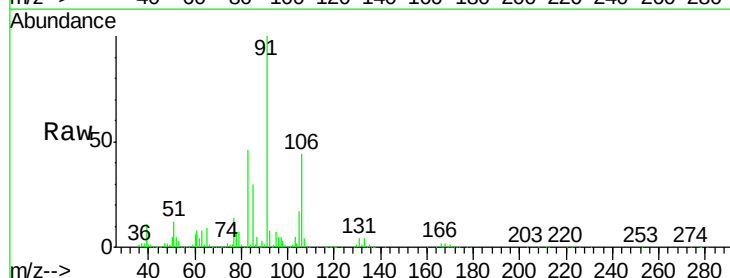
Manual Integrations
APPROVED

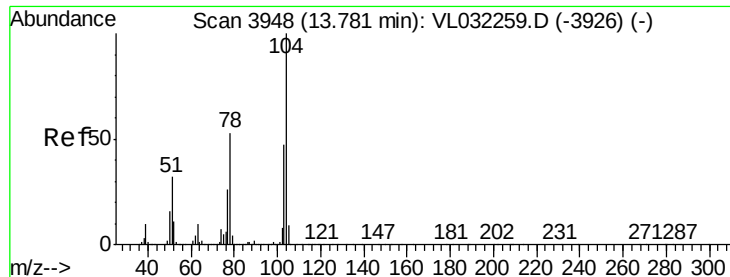
MMDadoda
7/20/2018 2:53:12 PM



#60
o-Xylene
Concen: 8.92 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 91 Resp: 4958960
Ion Ratio Lower Upper
91 100
106 43.4 21.7 65.1





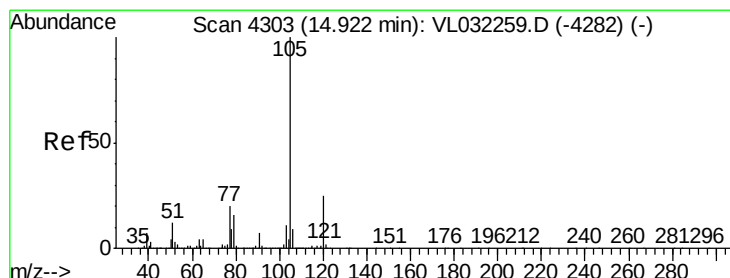
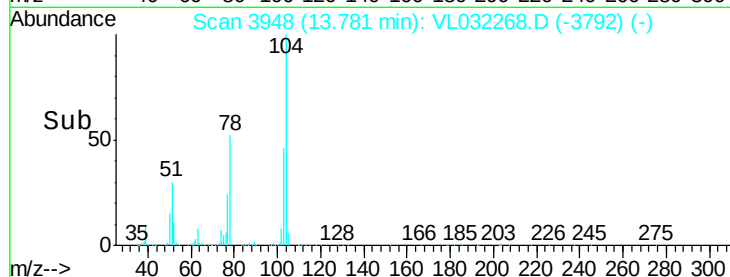
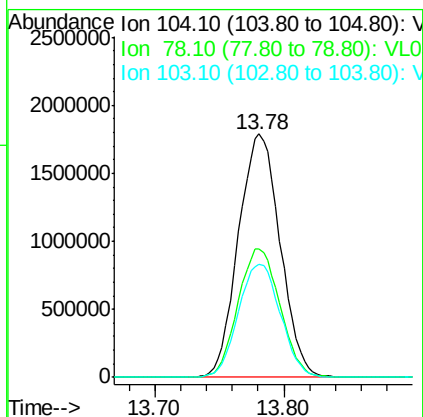
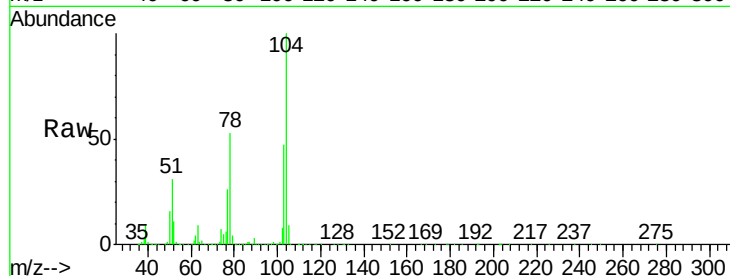
#61
Stvrene
Concen: 9.75 ppbv
RT: 13.78 min Scan# 3948
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	43.2	64.8
103	47.1	37.8	56.6

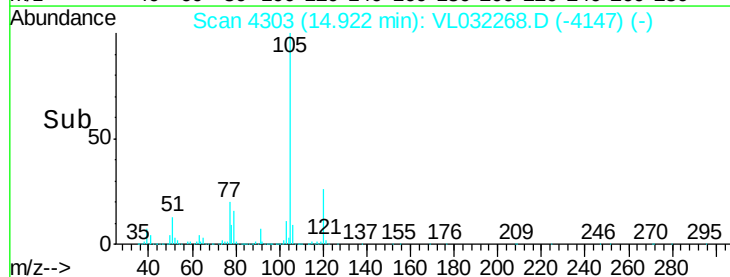
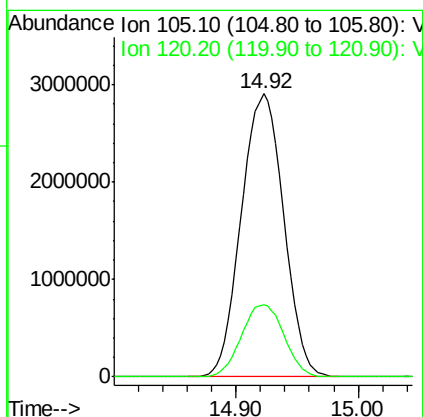
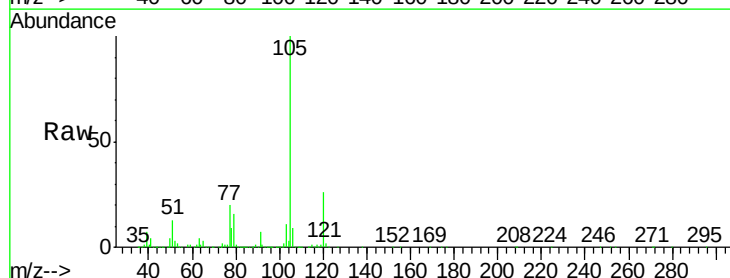
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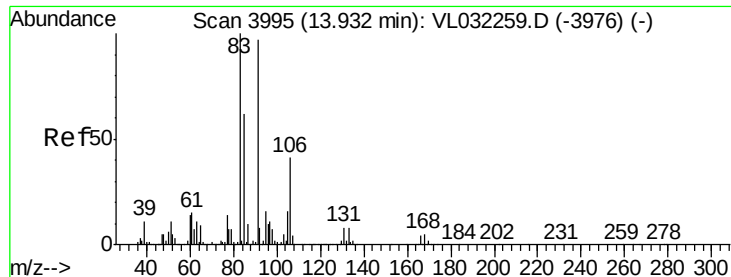
MMDadoda
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#62
Isopropylbenzene
Concen: 8.76 ppbv
RT: 14.92 min Scan# 4303
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.2	30.4





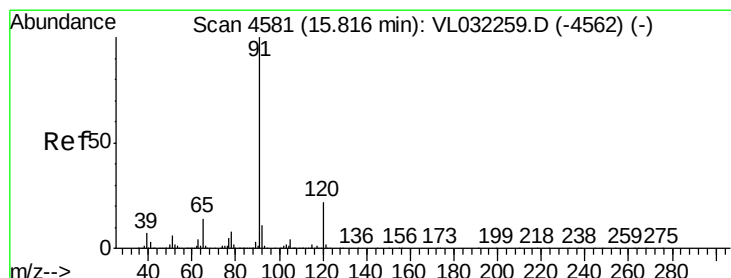
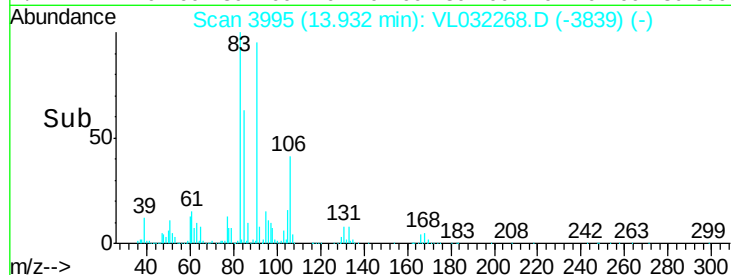
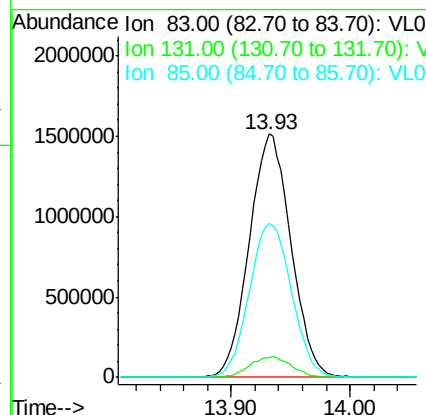
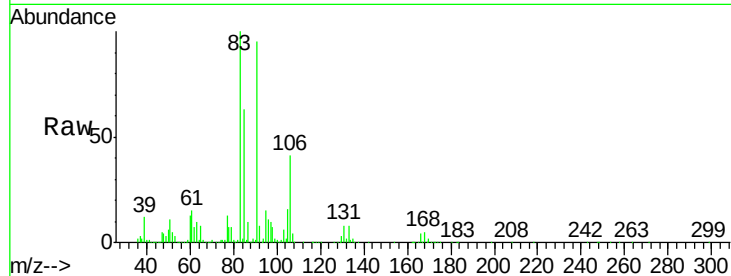
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.73 ppbv
 RT: 13.93 min Scan# 3995
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion	83	Resp	3664868
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.2	12.6
85	64.3	32.2	96.6

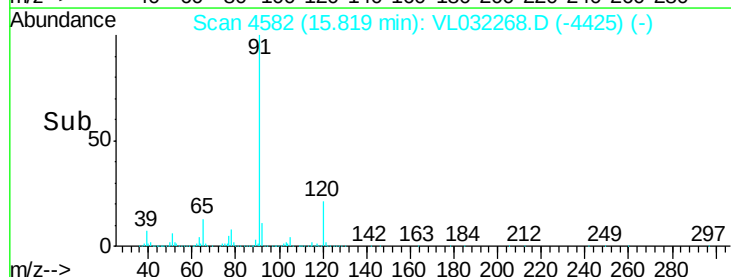
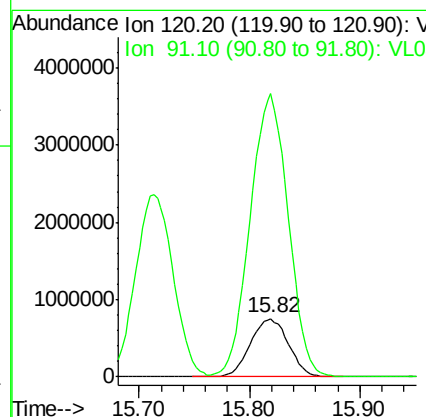
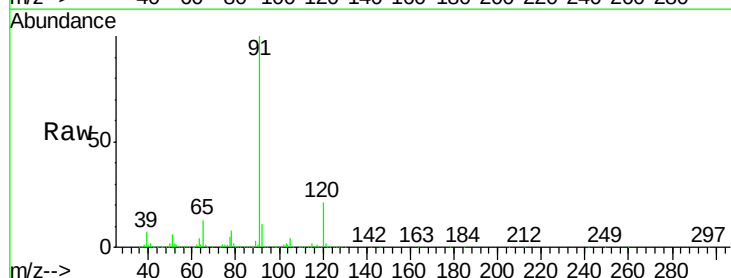
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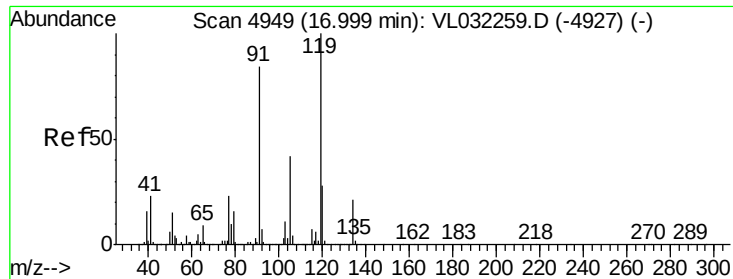
MMDadoda
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#64
 n-propylbenzene
 Concen: 8.80 ppbv
 RT: 15.82 min Scan# 4582
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	120	Resp	1801650
Ion Ratio	Lower	Upper	
120	100		
91	488.3	384.4	576.6





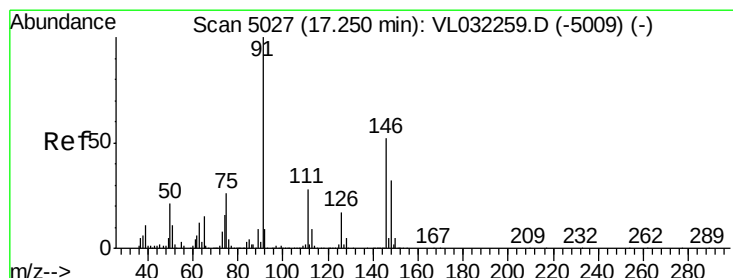
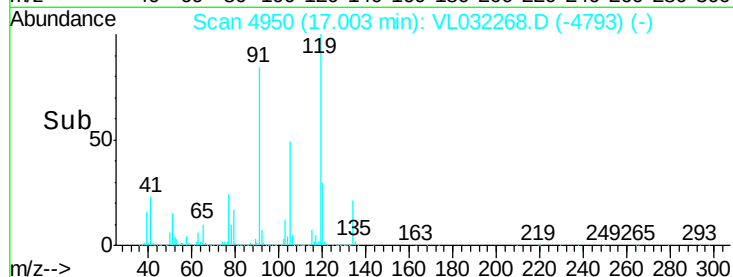
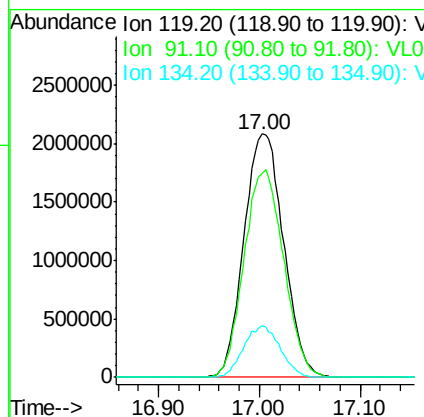
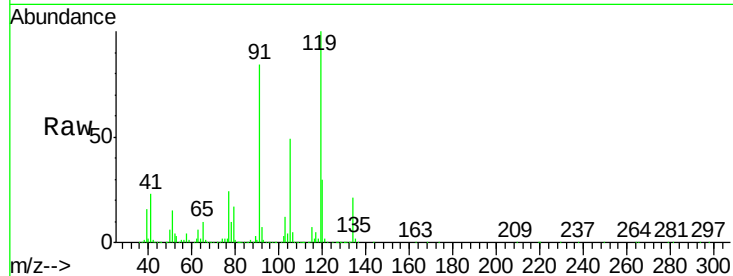
#65
tert-Butylbenzene
Concen: 8.36 ppbv
RT: 17.00 min Scan# 4950
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :
VL0718ABS01

Tot Ion: 119 Resp: 5677510
Ion Ratio Lower Upper
119 100
91 85.4 68.2 102.4
134 19.6 15.6 23.4

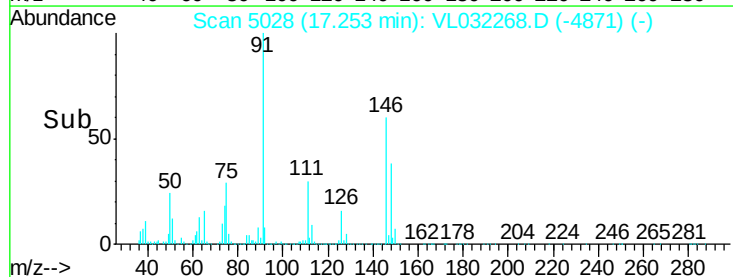
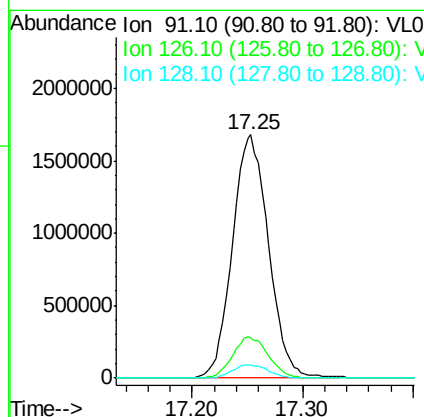
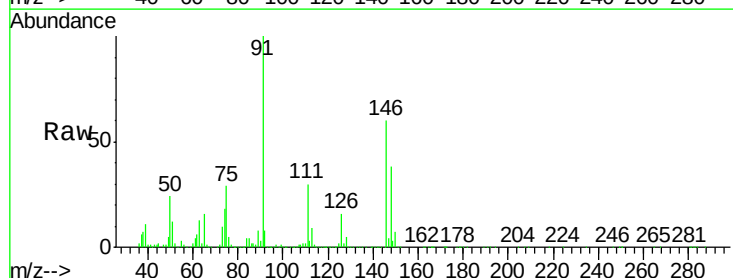
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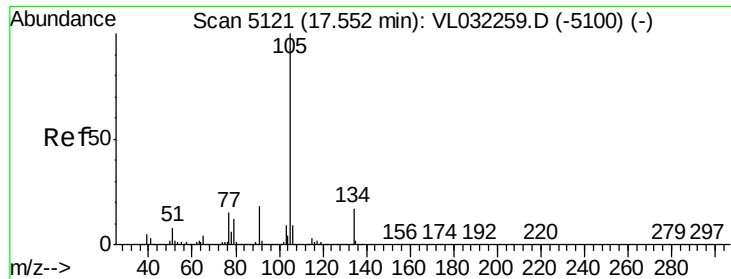
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#66
Benzyl Chloride
Concen: 9.92 ppbv
RT: 17.25 min Scan# 5028
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 91 Resp: 3792985
Ion Ratio Lower Upper
91 100
126 17.1 13.4 20.2
128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.43 ppbv

RT: 17.56 min Scan# 5122

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion: 105 Resp: 8540186

Ion Ratio Lower Upper

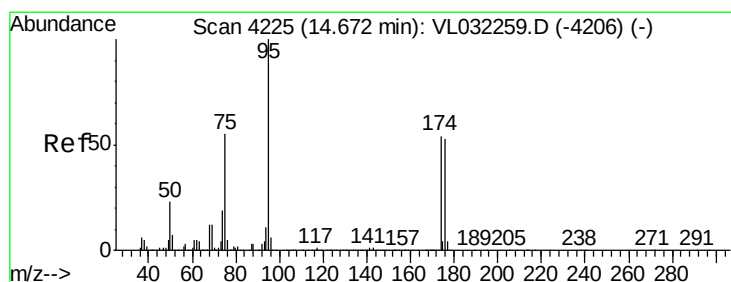
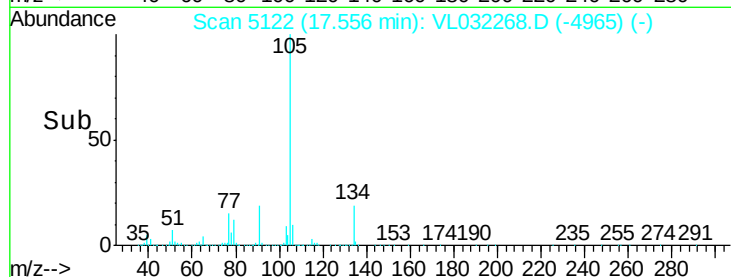
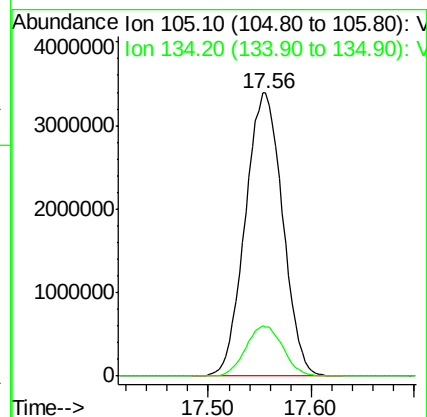
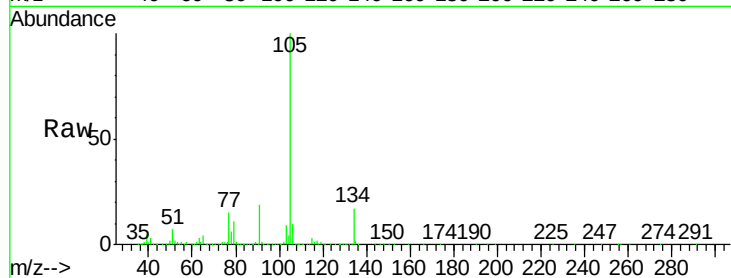
105 100

134 17.6 14.0 21.0

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.27 ppbv

RT: 14.67 min Scan# 4225

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

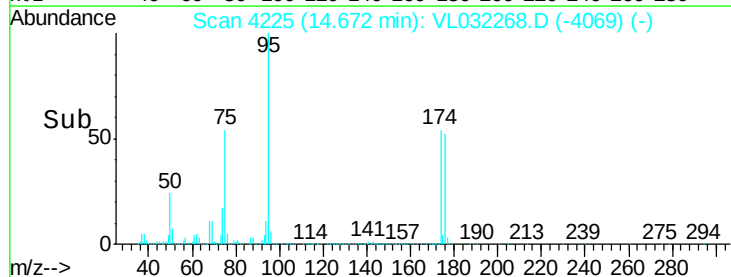
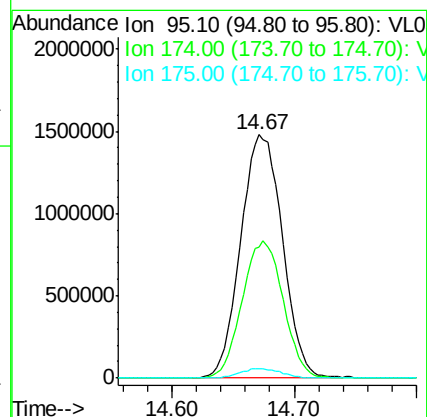
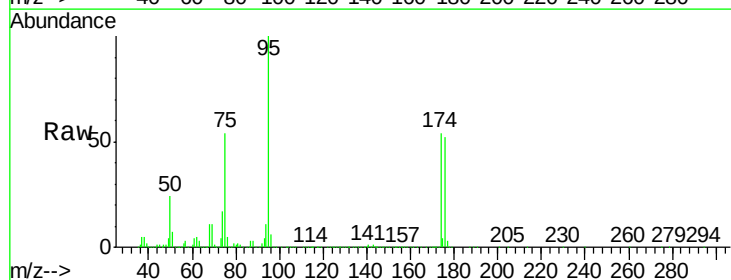
Tgt Ion: 95 Resp: 3493844

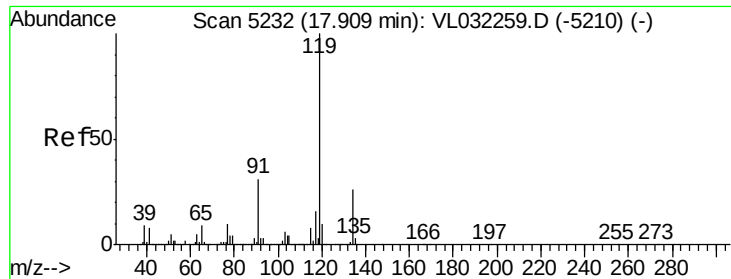
Ion Ratio Lower Upper

95 100

174 56.0 44.3 66.5

175 3.9 3.3 4.9





#69

p-Isopropyltoluene

Concen: 8.71 ppbv

RT: 17.91 min Scan# 5232

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion: 119 Resp: 6823917

Ion Ratio Lower Upper

119 100

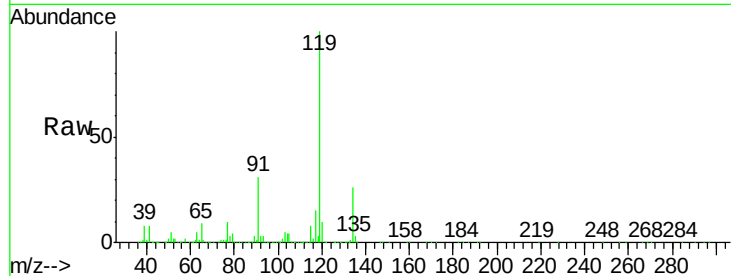
134 25.5 20.3 30.5

91 29.9 24.1 36.1

Manual Integrations
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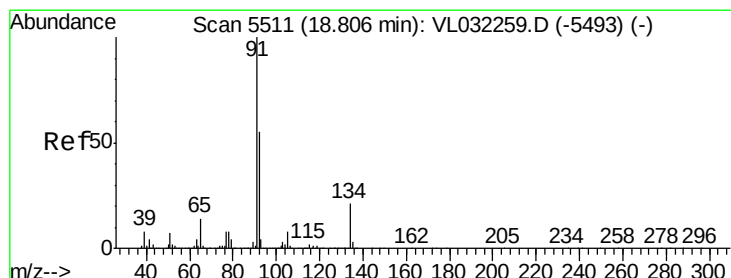
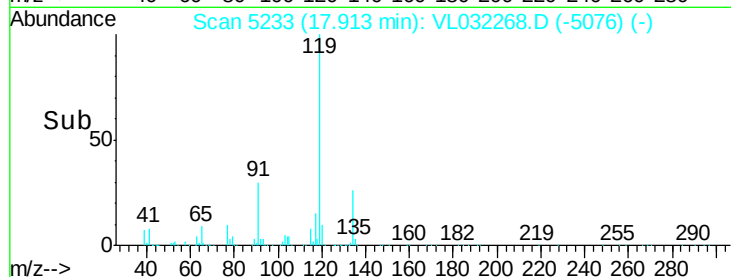
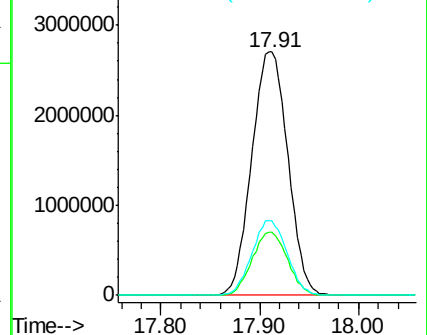
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.81 ppbv

RT: 18.81 min Scan# 5511

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

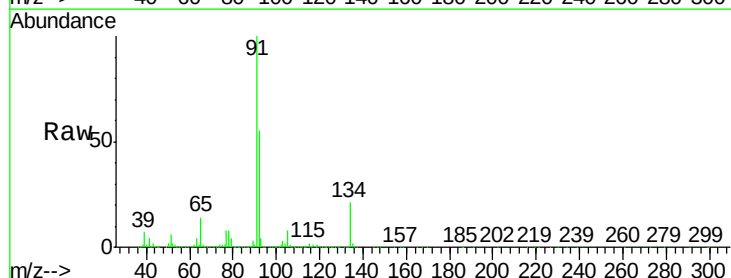
Tgt Ion: 91 Resp: 7694055

Ion Ratio Lower Upper

91 100

92 54.8 43.8 65.6

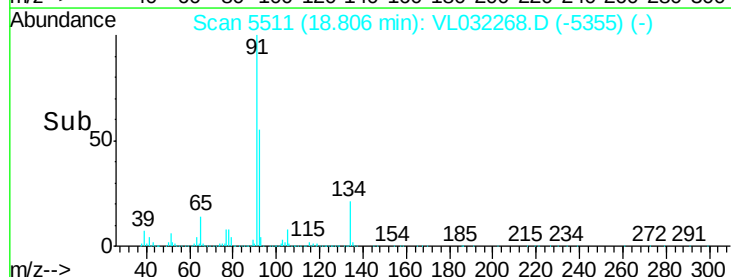
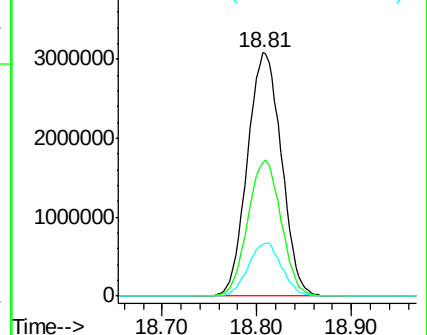
134 21.4 17.1 25.7

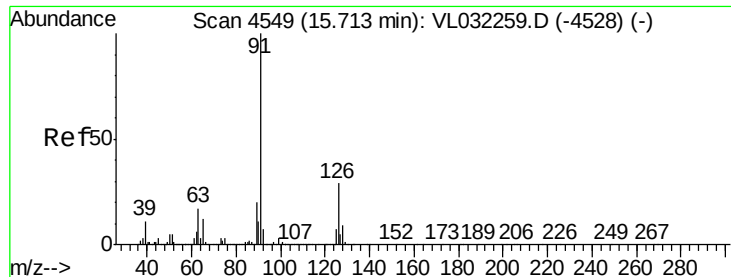


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.76 ppbv

RT: 15.71 min Scan# 4549

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

VL0718ABS01

Tot Ion: 91 Resp: 5596543

Ion Ratio Lower Upper

91 100

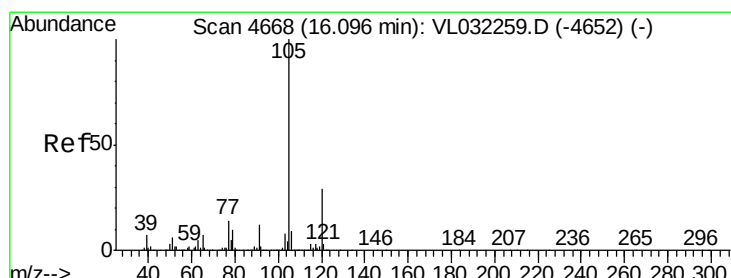
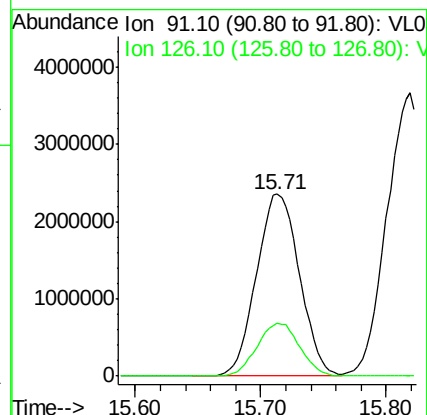
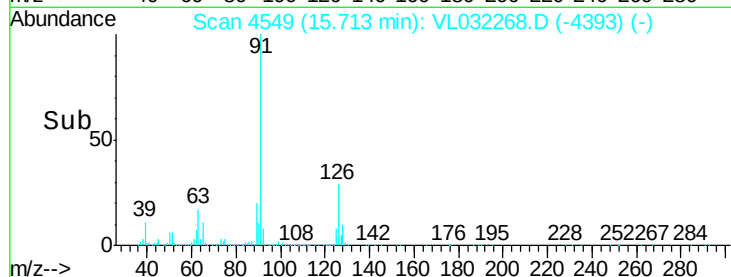
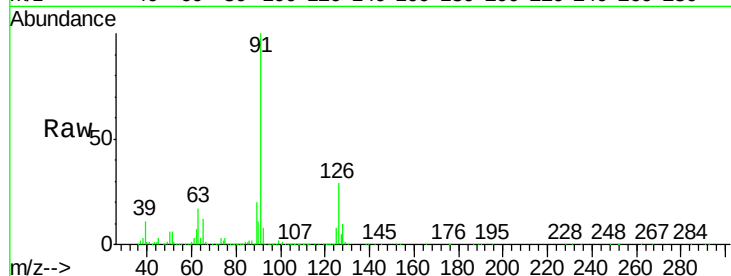
126 29.0 11.6 46.2

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#72

4-Ethyltoluene

Concen: 9.09 ppbv

RT: 16.10 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion: 105 Resp: 5841797

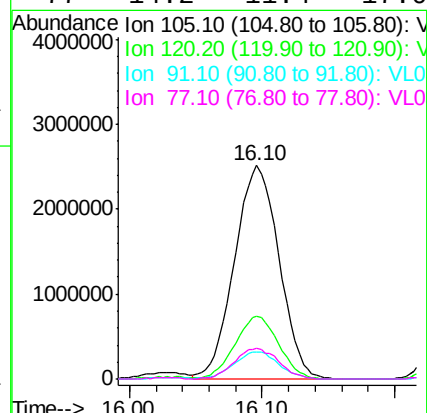
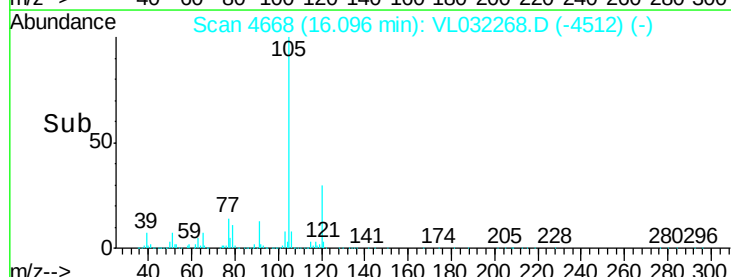
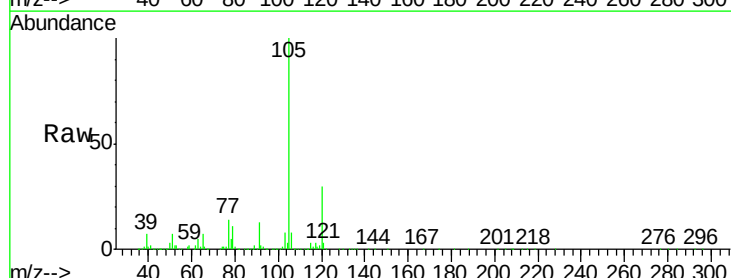
Ion Ratio Lower Upper

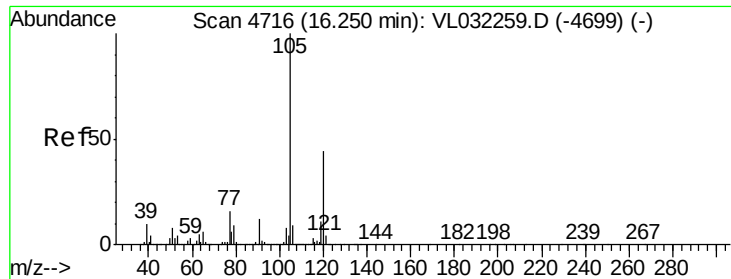
105 100

120 29.1 23.0 34.6

91 12.7 10.1 15.1

77 14.2 11.4 17.0





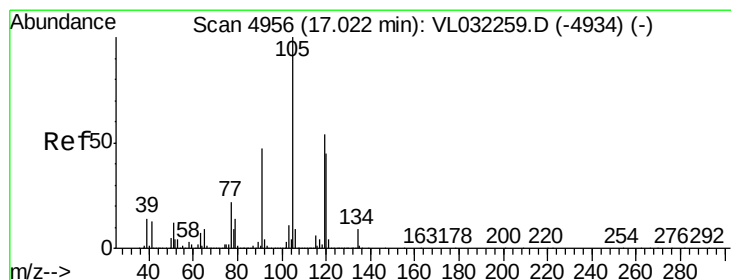
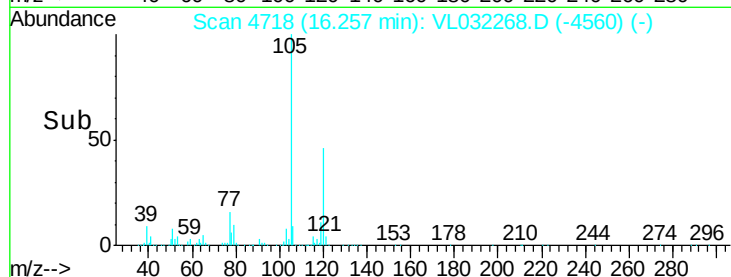
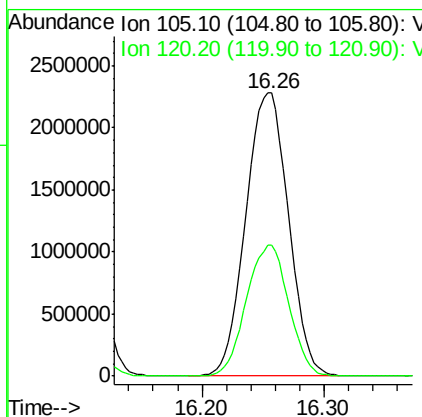
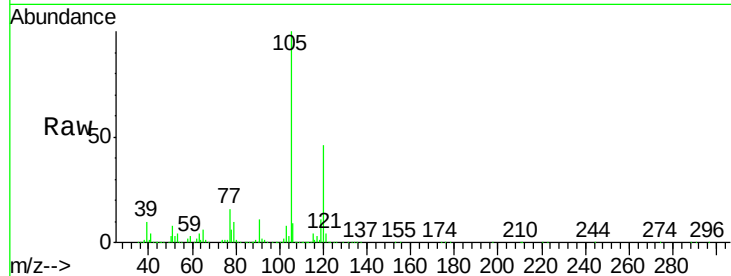
#73
 1,3,5-Trimethylbenzene
 Concen: 8.78 ppbv
 RT: 16.26 min Scan# 4718
 Delta R.T. 0.01 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion:105 Resp: 5517644
 Ion Ratio Lower Upper
 105 100
 120 46.4 35.5 53.3

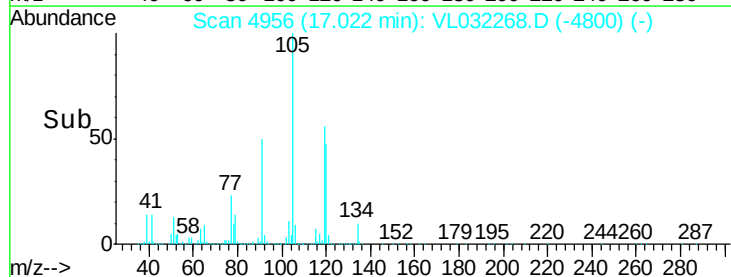
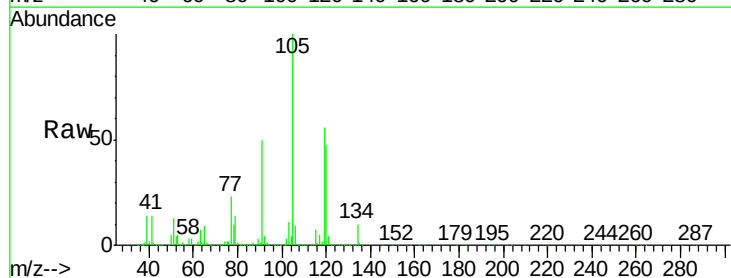
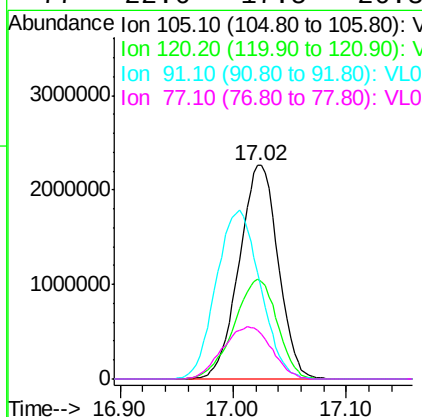
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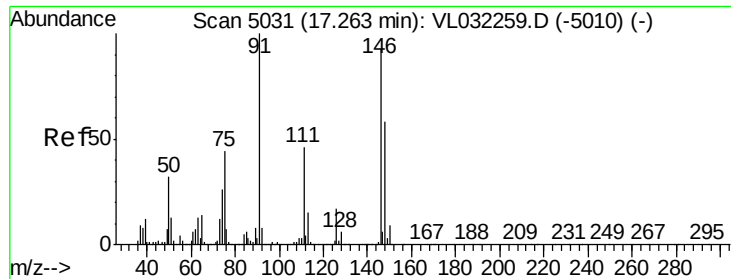
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.23 ppbv
 RT: 17.02 min Scan# 4956
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion:105 Resp: 5414760
 Ion Ratio Lower Upper
 105 100
 120 46.5 35.8 53.6
 91 49.5 38.2 57.4
 77 22.6 17.5 26.3





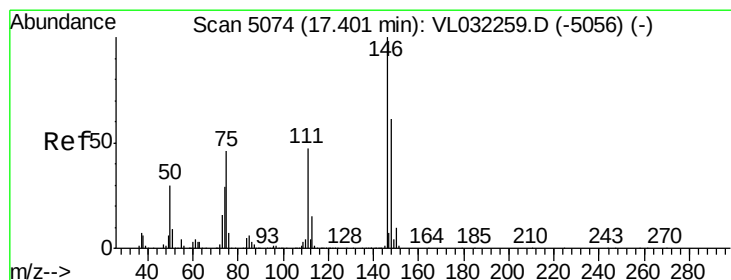
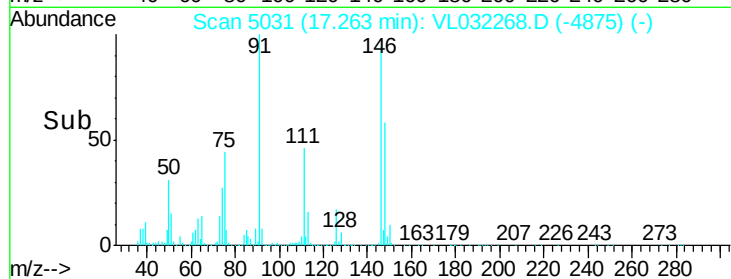
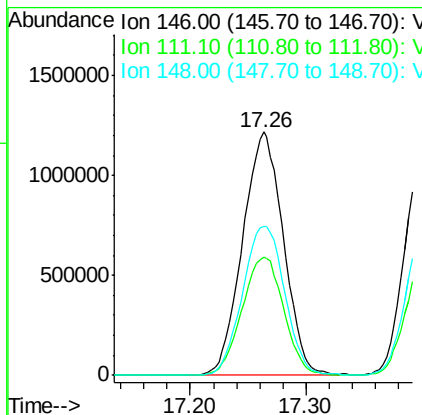
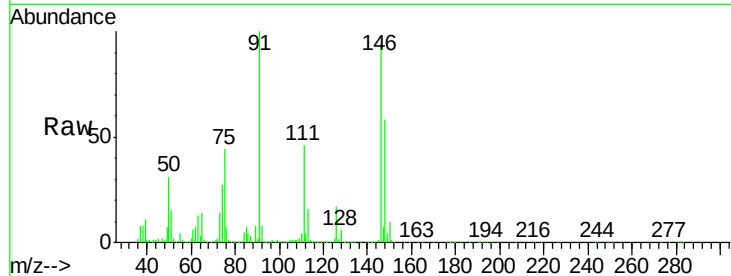
#75
 1,3-Dichlorobenzene
 Concen: 8.14 ppbv
 RT: 17.26 min Scan# 5031
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion:146 Resp: 2973792
 Ion Ratio Lower Upper
 146 100
 111 49.7 25.1 75.4
 148 63.4 31.8 95.3

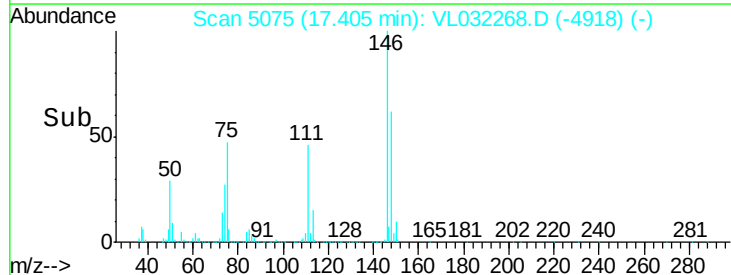
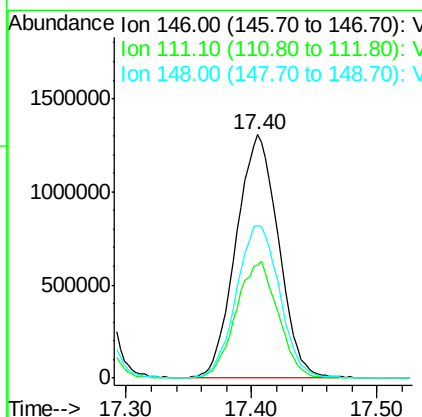
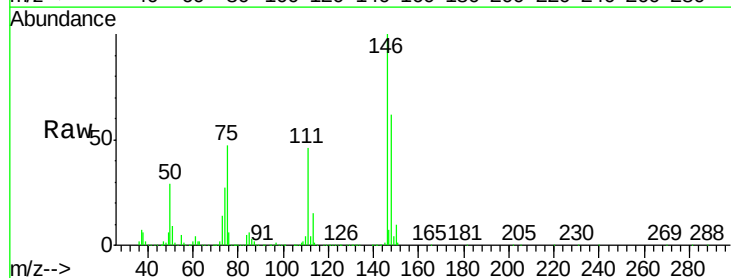
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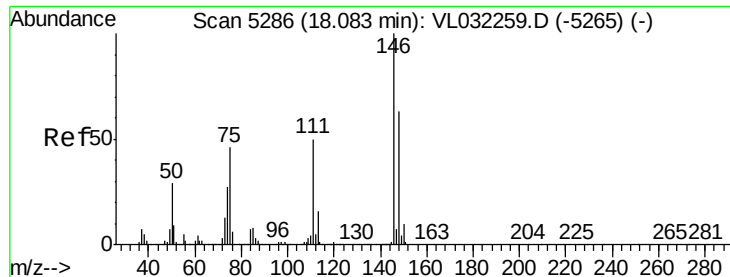
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#76
 1,4-Dichlorobenzene
 Concen: 8.40 ppbv
 RT: 17.40 min Scan# 5075
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion:146 Resp: 3045876
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.1 72.2
 148 64.6 31.9 95.9





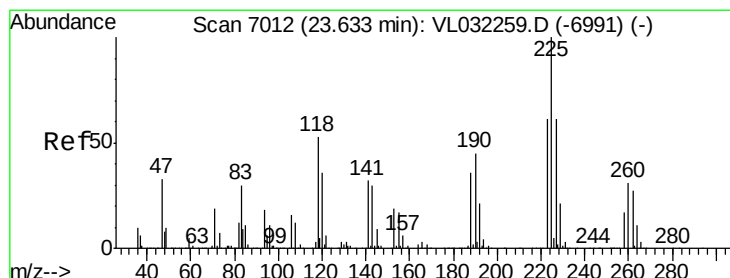
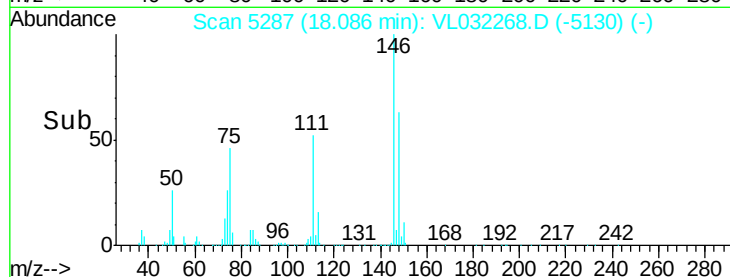
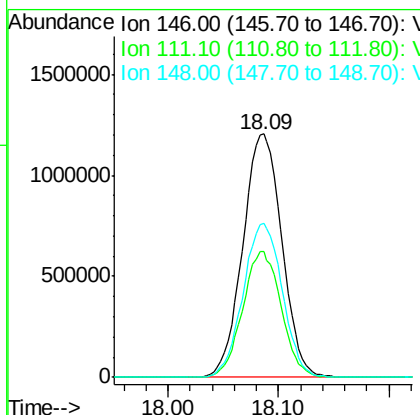
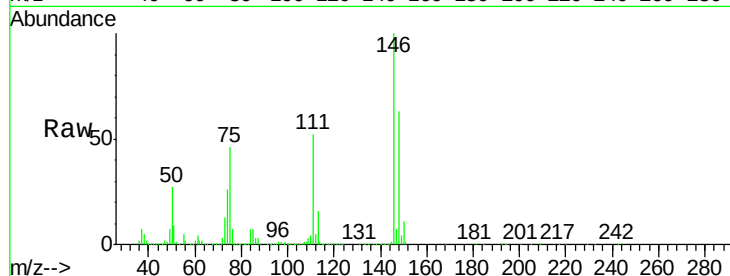
#77
 1,2-Dichlorobenzene
 Concen: 8.36 ppbv
 RT: 18.09 min Scan# 5287
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.2	25.6	76.8
148	63.7	31.9	95.5

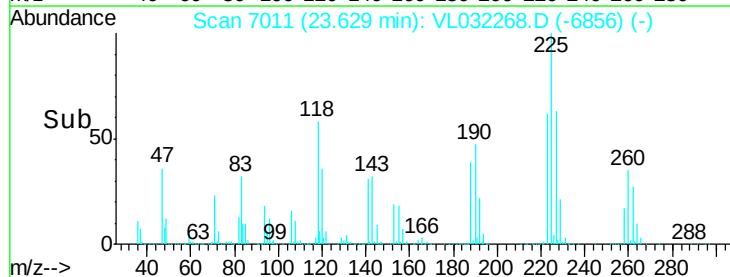
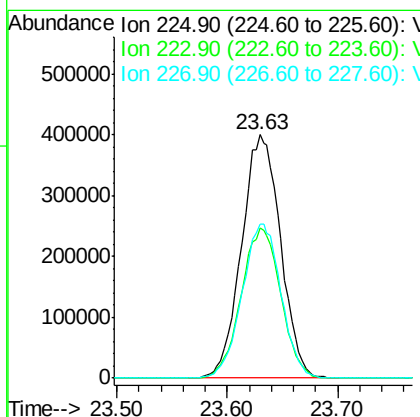
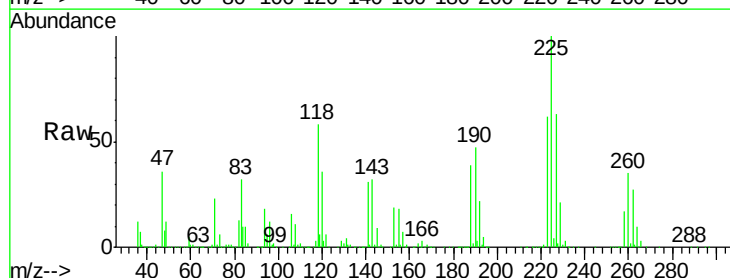
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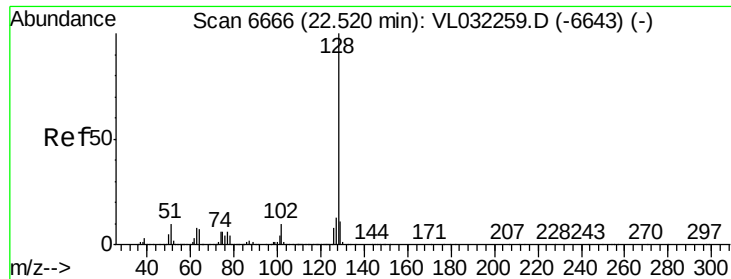
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.53 ppbv
 RT: 23.63 min Scan# 7011
 Delta R.T. -0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	75.8
227	63.2	51.5	77.3





#79

Naphthalene

Concen: 9.49 ppbv

RT: 22.52 min Scan# 6667

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

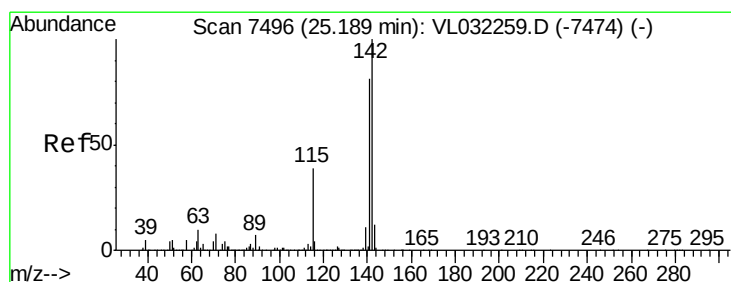
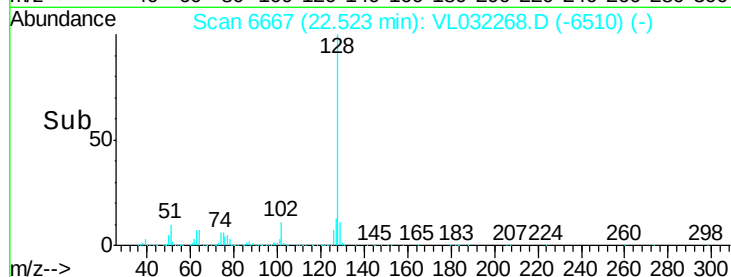
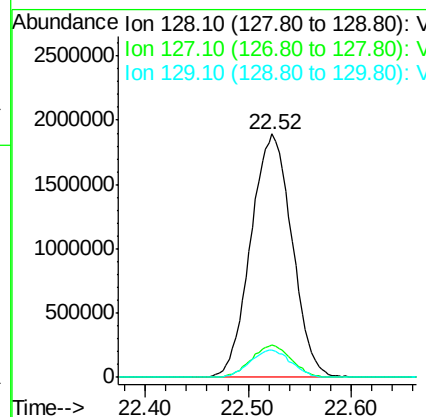
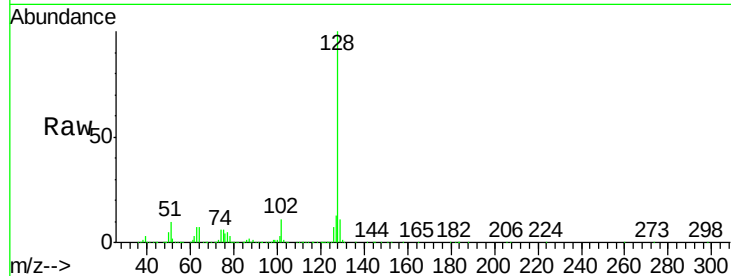
ClientSampleId :

VL0718ABS01

Tot Ion:	128	Resp:	5239190
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/20/2018 2:53:12 PM



#80

Naphthalene, 2-methyl-

Concen: 10.97 ppbv

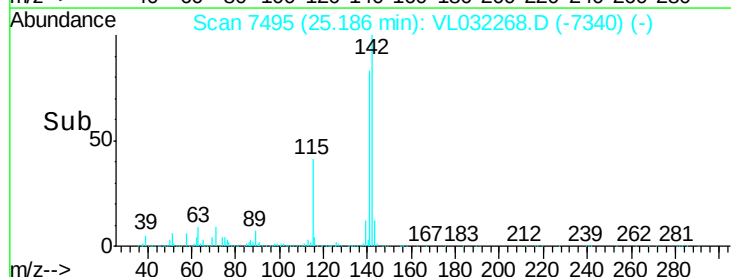
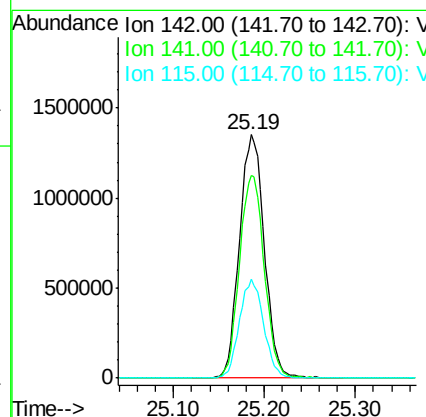
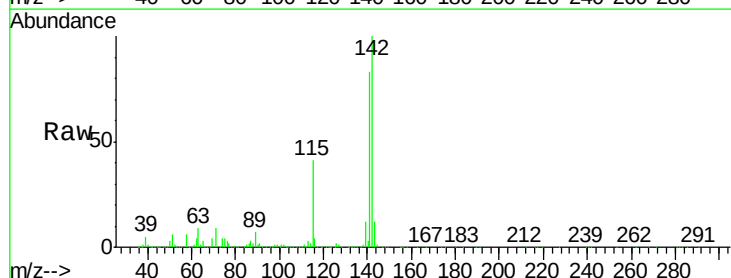
RT: 25.19 min Scan# 7495

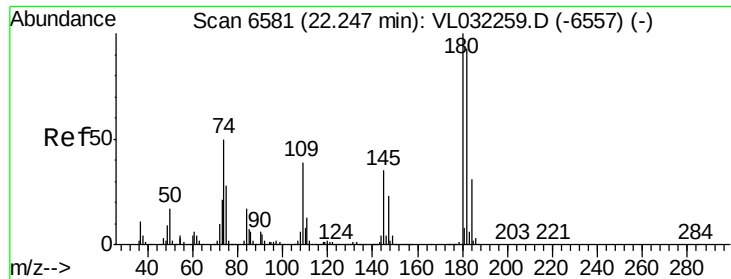
Delta R.T. -0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion:	142	Resp:	2573060
Ion	Ratio	Lower	Upper
142	100		
141	83.4	67.1	100.7
115	39.5	32.5	48.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.09 ppbv
 RT: 22.25 min Scan# 6581
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
184	30.2	24.4	36.6

Manual Integrations
 APPROVED

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 7/20/2018 2:53:12 PM

