

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032292.D
 Acq On : 19 Jul 2018 17:33
 Operator : SY/AP
 Sample : VL0719ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0719ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:06:13 PM

Quant Time: Jul 20 02:24:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 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	1570997	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3344341	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4336392	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3199727	9.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	1642732	6.15	ppbv	100
3) Chlorodifluoromethane	3.06	51	1776064	10.07	ppbv	98
4) Chloromethane	3.22	50	1070789	10.31	ppbv	97
5) Vinyl Chloride	3.34	62	1009081	10.25	ppbv	99
6) Bromomethane	3.57	94	539439	10.06	ppbv	97
7) Chloroethane	3.66	64	350105	10.03	ppbv	96
8) Dichlorotetrafluoroethane	3.27	85	2077321	9.53	ppbv	99
9) Propene	3.09	41	846920	10.99	ppbv	100
10) Heptane	8.33	43	2405024	9.82	ppbv	100
11) Trichlorofluoromethane	4.06	101	2014440	9.64	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1318461	9.90	ppbv	98
13) Ethanol	3.71	45	222362	10.10	ppbv	96
14) Bromoethene	3.85	108	602456	10.03	ppbv	98
15) Acetone	3.96	43	1571992	9.56	ppbv	100
16) 1,3-Butadiene	3.42	39	893262	10.67	ppbv	99
17) tert-Butyl alcohol	4.42	59	550371	10.61	ppbv	100
18) 1,1-Dichloroethene	4.42	96	630425	10.13	ppbv	99
19) Isopropyl Alcohol	4.09	45	1213177	10.91	ppbv	99
20) Methylene Chloride	4.48	84	568407	8.98	ppbv	95
21) Allyl Chloride	4.54	41	1146017	10.58	ppbv	98
22) trans-1,2-Dichloroethene	5.04	96	657499	10.18	ppbv	99
23) Vinyl Acetate	5.22	43	3188447	10.81	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2147873	10.04	ppbv	99
25) Ethyl Acetate	5.84	43	3699367	10.33	ppbv	99
26) Hexane	5.86	57	1674684	10.18	ppbv	99
27) Carbon Disulfide	4.69	76	1656354	11.37	ppbv	100
28) Methyl tert-Butyl Ether	5.18	73	2520037	10.33	ppbv	99
29) Chloroform	5.93	83	2411743	9.94	ppbv	98
30) Cyclohexane	7.33	84	1415273	10.26	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1697107	10.76	ppbv	98
32) 1,1,1-Trichloroethane	6.70	97	2372968	9.67	ppbv	99
34) 2-Butanone	5.40	43	2588262	11.28	ppbv	99
35) Carbon Tetrachloride	7.22	117	2347770	10.21	ppbv	98
36) Benzene	7.09	78	3588101	10.90	ppbv	99
37) 1,2-Dichloroethane	6.49	62	1842933	9.48	ppbv	100
38) Trichloroethene	8.04	130	1141047	10.48	ppbv	98
39) 1,2-Dichloropropane	7.82	63	1450306	11.13	ppbv	98
40) 1,4-Dioxane	8.04	88	457771	11.89	ppbv #	16
41) Tetrahydrofuran	6.22	42	1514192	11.31	ppbv	99
42) Bromodichloromethane	8.00	83	2646036	10.81	ppbv	98
43) Methyl Methacrylate	8.22	69	1461417	10.83	ppbv	98

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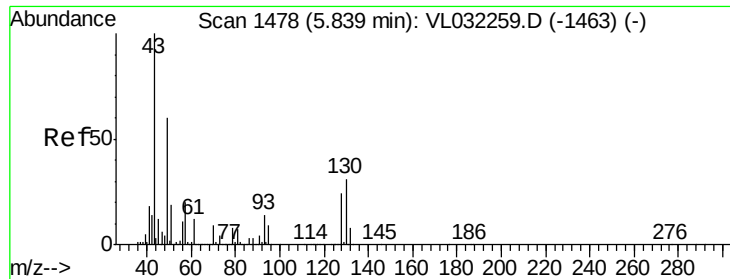
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6106918	10.64	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2222655	13.98	ppbv	96
46) cis-1,3-Dichloropropene	8.92	75	2321202	11.45	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1624037	11.53	ppbv	97
48) Dibromochloromethane	10.54	129	2260756	11.01	ppbv	99
49) Bromoform	13.30	173	2060958	11.50	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	4099628	10.86	ppbv	99
51) 2-Hexanone	10.36	43	3248966	11.29	ppbv #	99
52) Tetrachloroethene	11.46	164	1229321	10.93	ppbv	97
53) Toluene	10.04	91	4018729	10.07	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2417053	11.63	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.37	131	1828523	9.47	ppbv	98
57) Chlorobenzene	12.40	112	3377952	9.50	ppbv	97
58) Ethyl Benzene	12.96	91	6226430	10.19	ppbv	99
59) m/p-Xylene	13.24	91	9979811m	19.14	ppbv	
60) o-Xylene	13.94	91	4827575	9.30	ppbv	99
61) Styrene	13.78	104	3932352	10.20	ppbv	99
62) Isopropylbenzene	14.92	105	6870947	9.23	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3609534	8.15	ppbv	99
64) n-propylbenzene	15.82	120	1782611	9.33	ppbv	97
65) tert-Butylbenzene	17.00	119	5603219	8.84	ppbv	99
66) Benzyl Chloride	17.25	91	3708885	10.39	ppbv	100
67) sec-Butylbenzene	17.55	105	8453201	8.93	ppbv	100
69) p-Isopropyltoluene	17.91	119	6724526	9.20	ppbv	99
70) n-Butylbenzene	18.81	91	7619880	9.35	ppbv	100
71) 2-Chlorotoluene	15.71	91	5471465	9.17	ppbv	99
72) 4-Ethyltoluene	16.09	105	5735159	9.56	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5423191	9.25	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	5340289	8.70	ppbv	97
75) 1,3-Dichlorobenzene	17.26	146	2938132	8.61	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	3002138	8.87	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	2911667	8.83	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	898009	8.40	ppbv	99
79) Naphthalene	22.52	128	5156785	10.00	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2502733	11.43	ppbv	98
81) 1,2,4-Trichlorobenzene	22.25	180	2433463	9.68	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

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ClientSampleId :

VL0719ABS01

Tot Ion: 49 Resp: 1570997

Ion Ratio Lower Upper

49 100

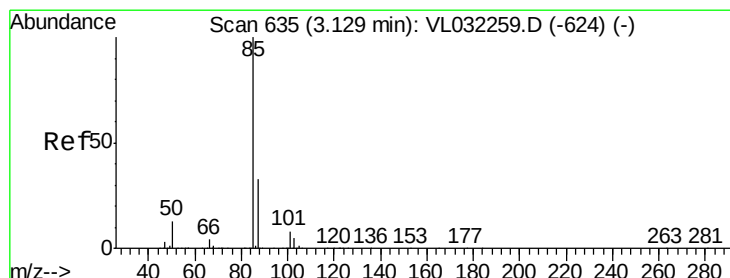
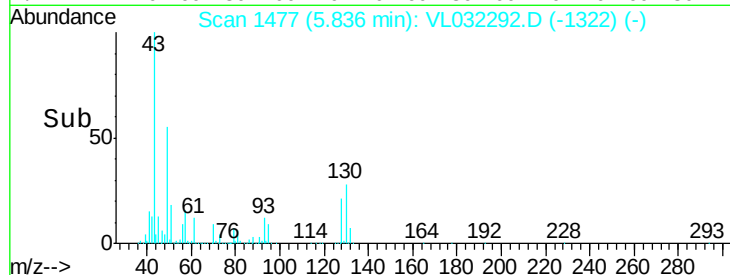
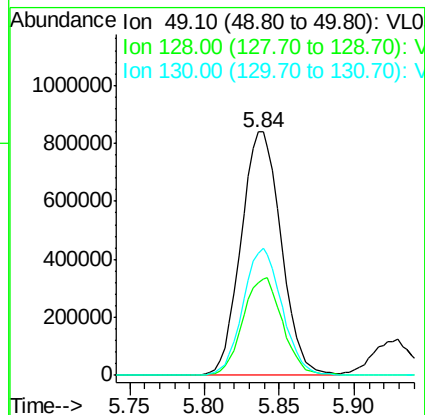
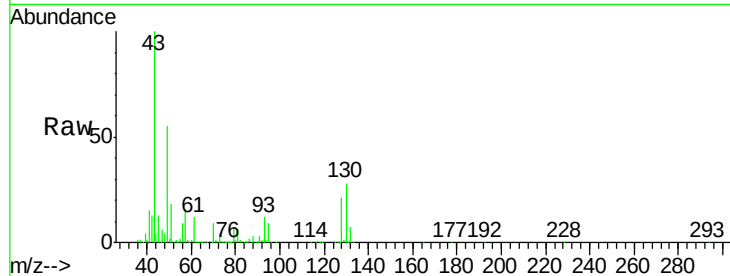
128 39.7 20.1 60.2

130 50.7 25.9 77.6

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#2

Dichlorodifluoromethane

Concen: 6.15 ppbv

RT: 3.13 min Scan# 634

Delta R.T. -0.00 min

Lab File: VL032292.D

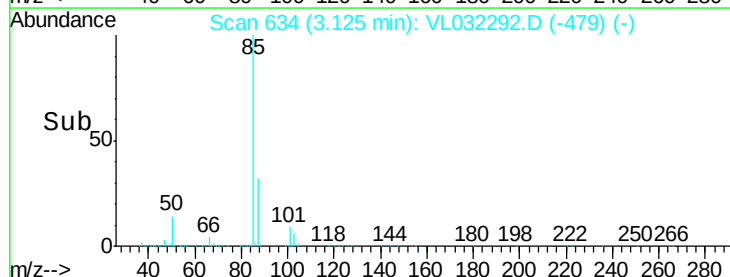
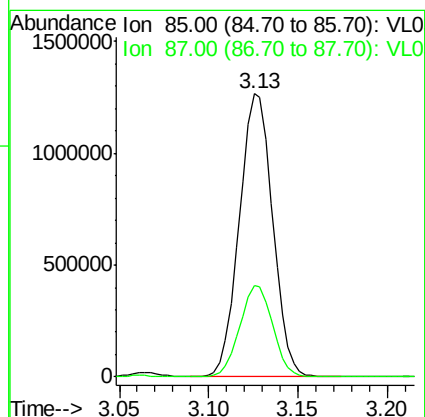
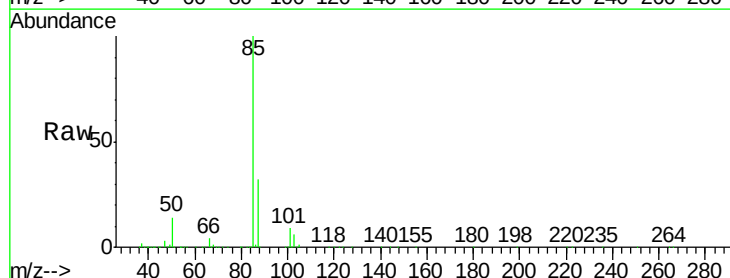
Acq: 19 Jul 2018 17:33

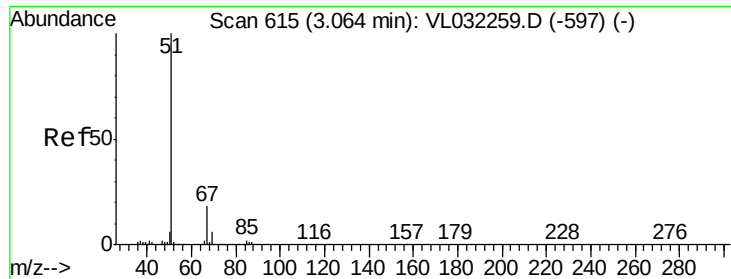
Tgt Ion: 85 Resp: 1642732

Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.2





#3

Chlorodifluoromethane

Concen: 10.07 ppbv

RT: 3.06 min Scan# 615

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tot Ion: 51 Resp: 1776064

Ion Ratio Lower Upper

51 100

67 17.1 14.2 21.4

Instrument :

MSVOA_L

ClientSampleId :

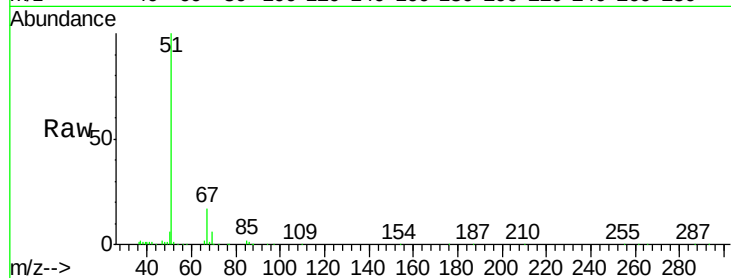
VL0719ABS01

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

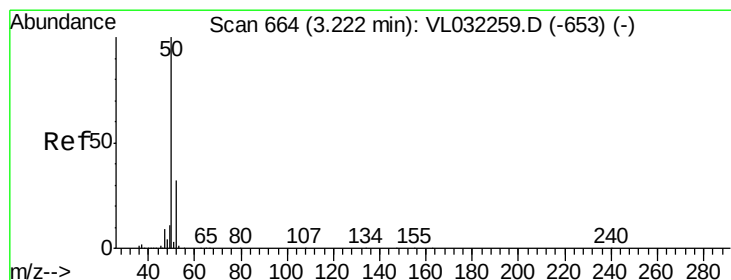
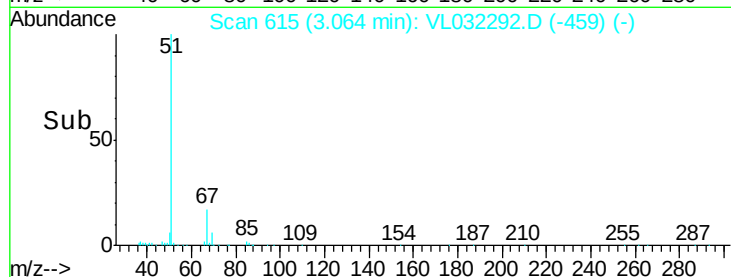
1500000

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 10.31 ppbv

RT: 3.22 min Scan# 664

Delta R.T. 0.00 min

Lab File: VL032292.D

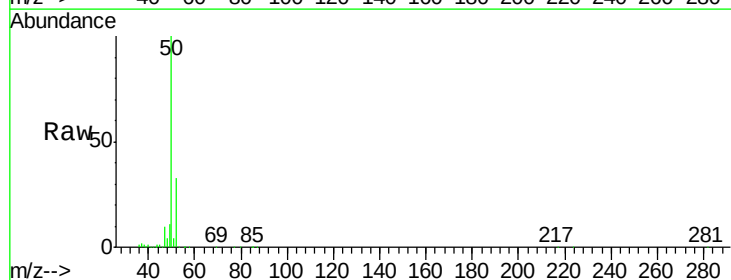
Acq: 19 Jul 2018 17:33

Tgt Ion: 50 Resp: 1070789

Ion Ratio Lower Upper

50 100

52 33.2 25.3 37.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

800000

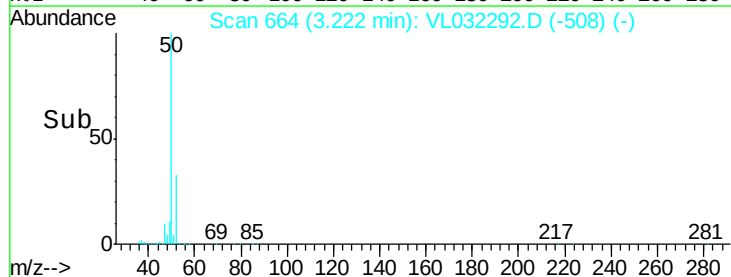
600000

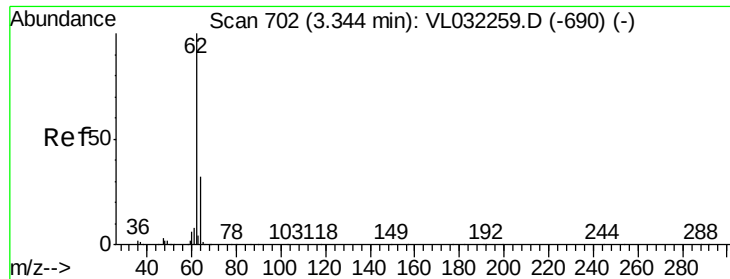
400000

200000

0

Time-->





#5

Vinyl Chloride

Concen: 10.25 ppbv

RT: 3.34 min Scan# 702

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 62 Resp: 1009081

Ion Ratio Lower Upper

62 100

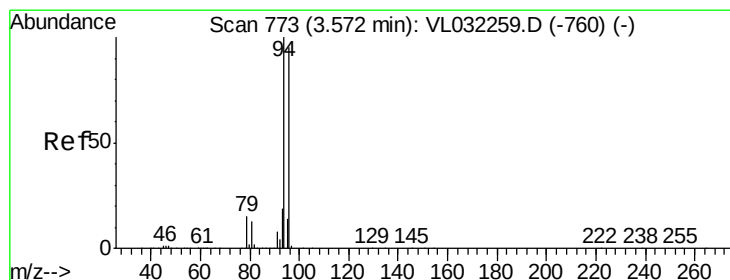
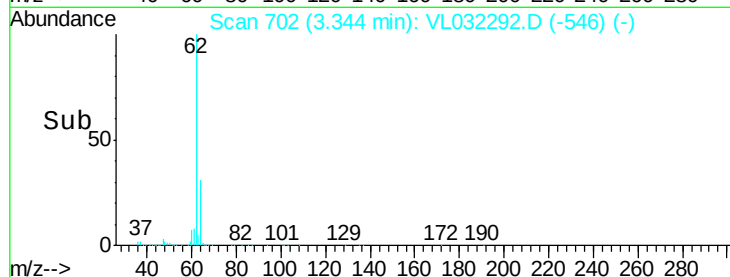
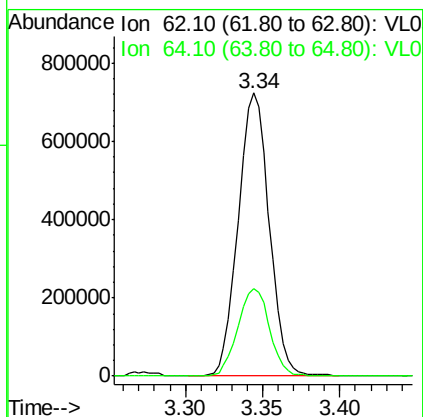
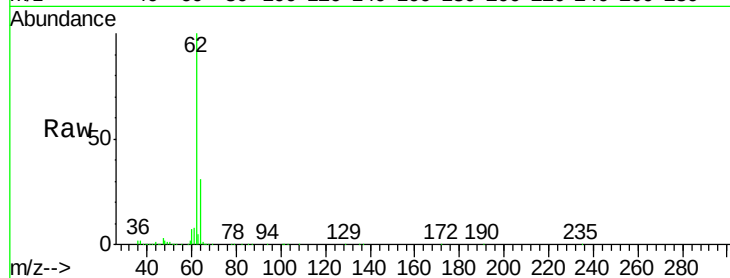
64 31.0 25.3 37.9

Manual Integrations

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#6

Bromomethane

Concen: 10.06 ppbv

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VL032292.D

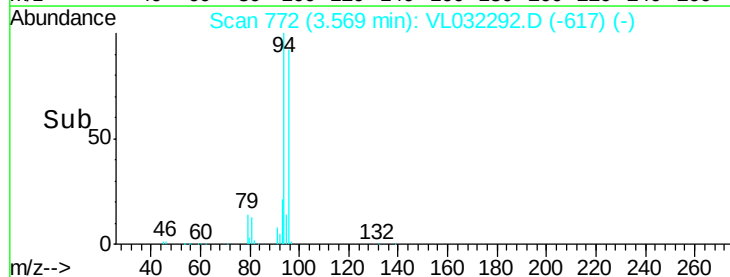
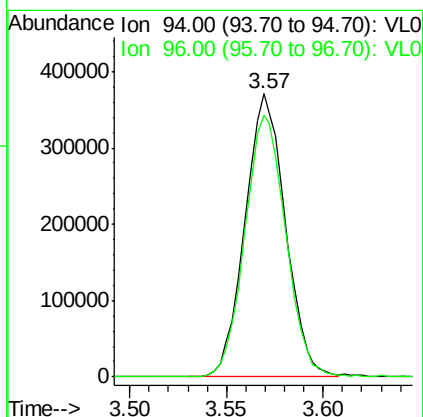
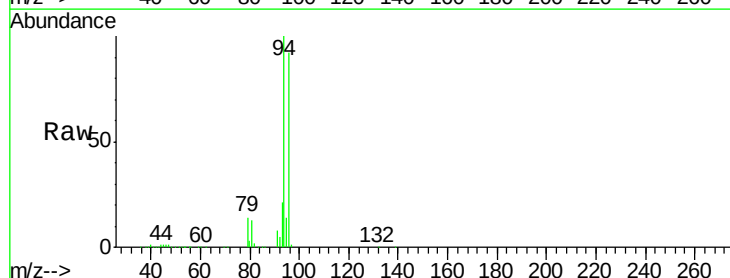
Acq: 19 Jul 2018 17:33

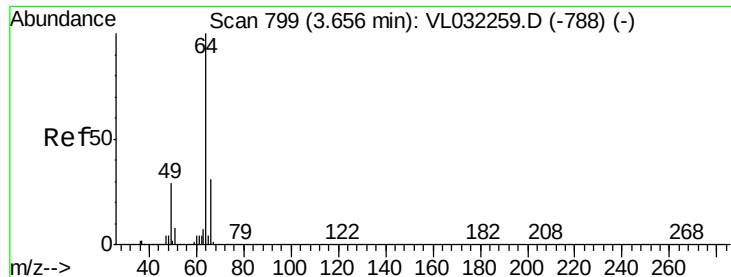
Tgt Ion: 94 Resp: 539439

Ion Ratio Lower Upper

94 100

96 92.3 76.1 114.1





#7

Chloroethane

Concen: 10.03 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 64 Resp: 350105

Ion Ratio Lower Upper

64 100

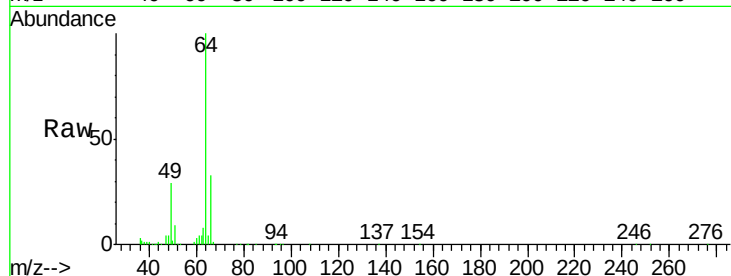
66 33.2 25.0 37.4

Manual Integrations

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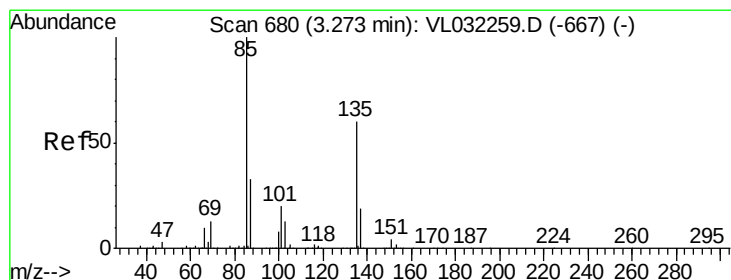
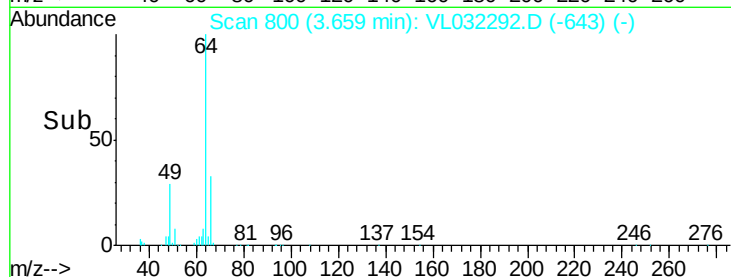
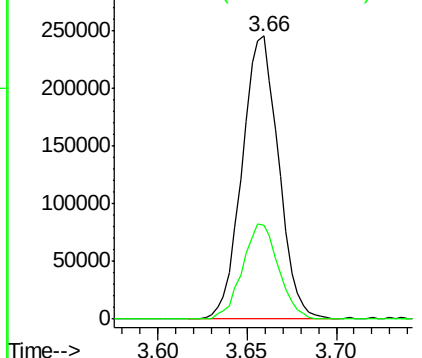
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.53 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032292.D

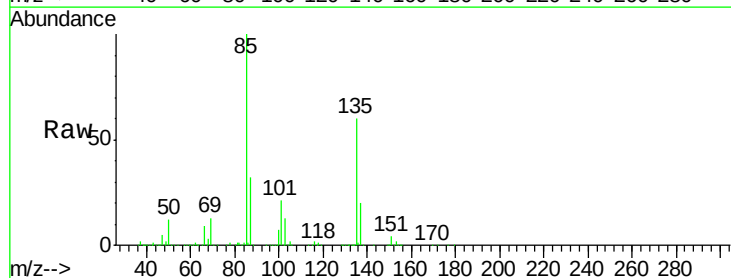
Acq: 19 Jul 2018 17:33

Tgt Ion: 85 Resp: 2077321

Ion Ratio Lower Upper

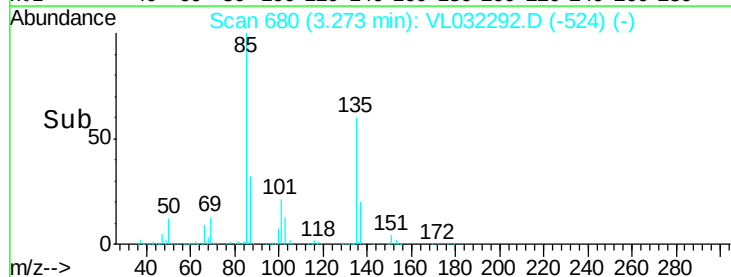
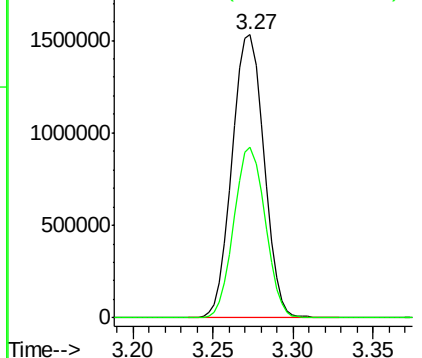
85 100

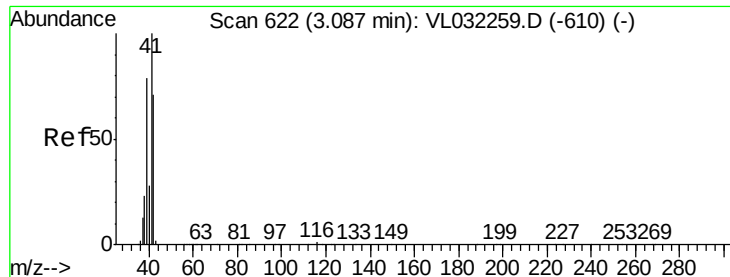
135 59.3 47.8 71.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.99 ppbv

RT: 3.09 min Scan# 622

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VL0719ABS01

Tot Ion: 41 Resp: 846920

Ion Ratio Lower Upper

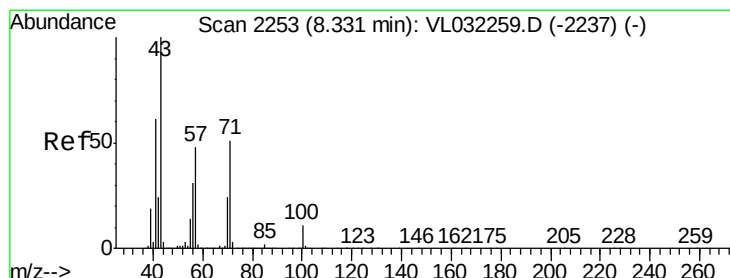
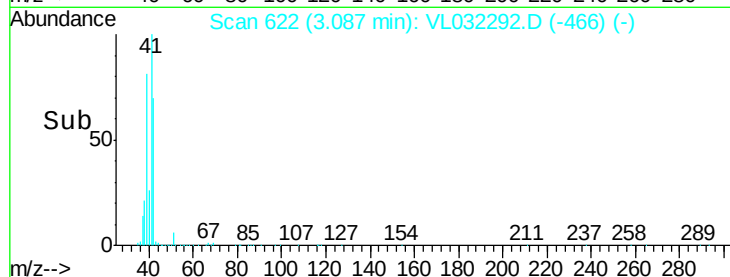
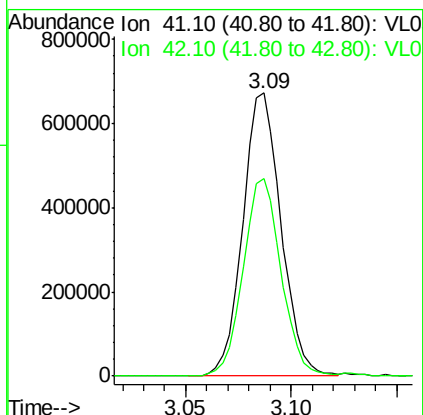
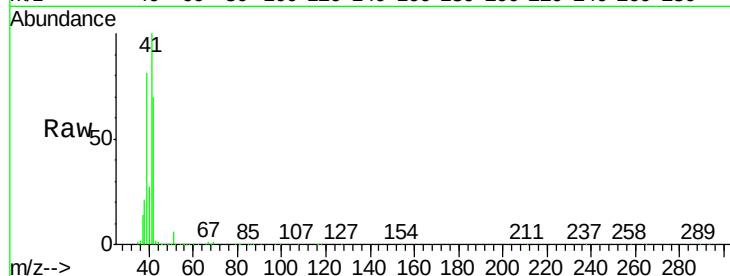
41 100

42 70.0 56.2 84.4

Manual Integrations
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#10

Heptane

Concen: 9.82 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VL032292.D

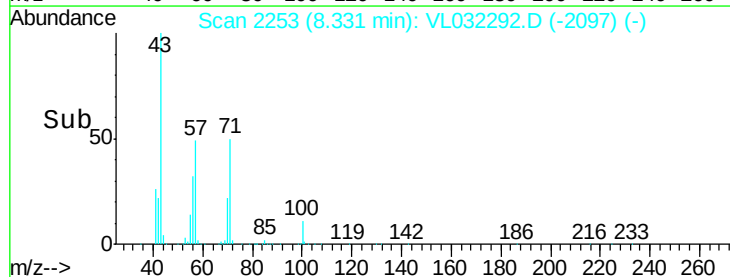
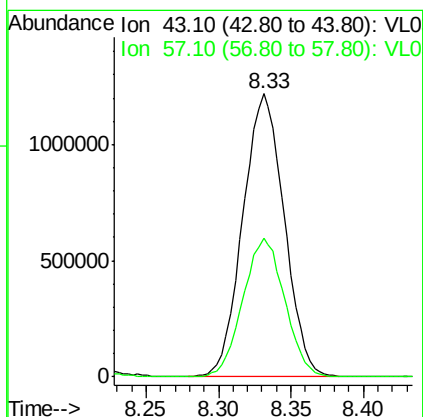
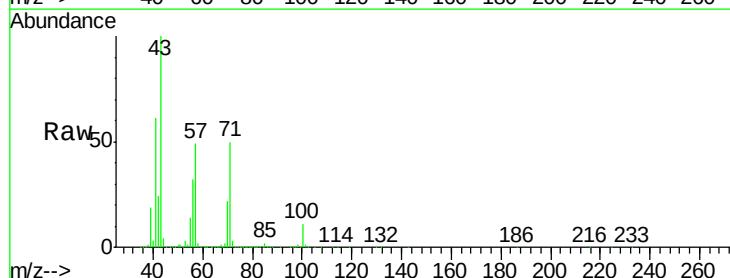
Acq: 19 Jul 2018 17:33

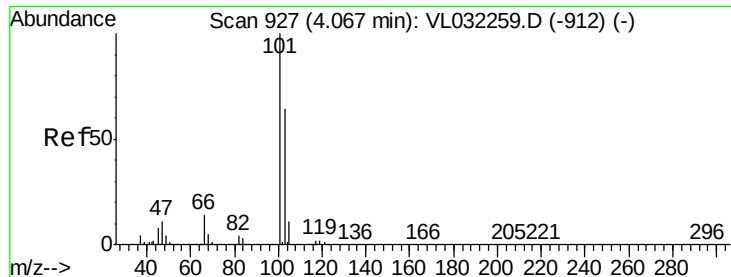
Tgt Ion: 43 Resp: 2405024

Ion Ratio Lower Upper

43 100

57 49.6 39.9 59.9





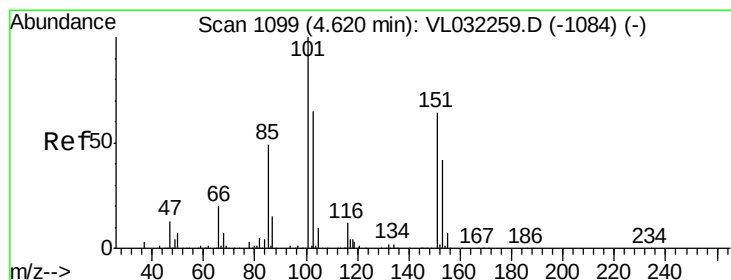
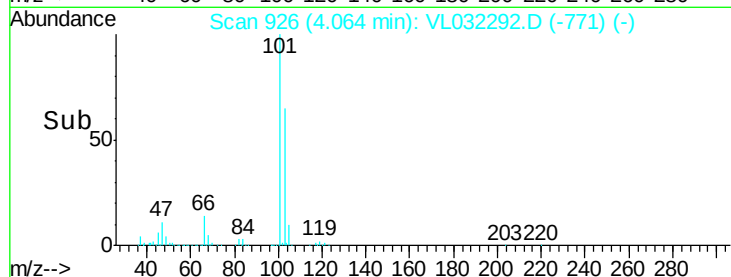
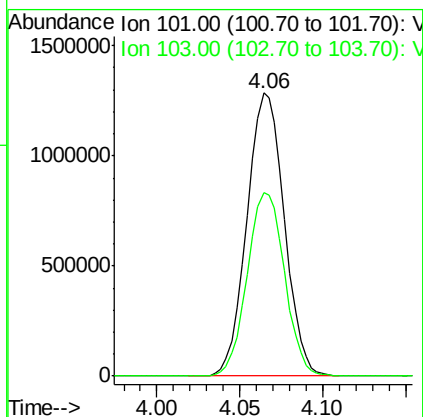
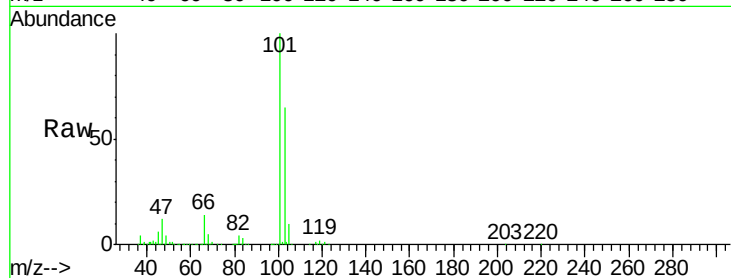
#11
 Trichlorofluoromethane
 Concen: 9.64 ppbv
 RT: 4.06 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0719ABS01

Tot Ion:101 Resp: 2014440
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.5 77.3

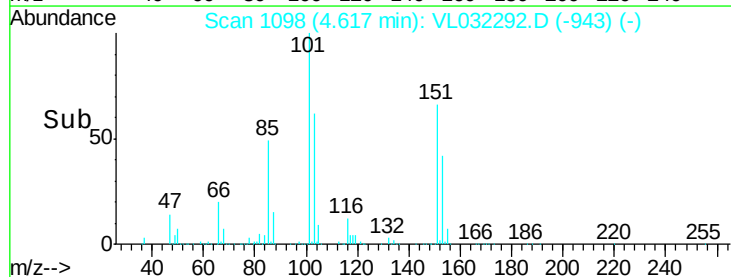
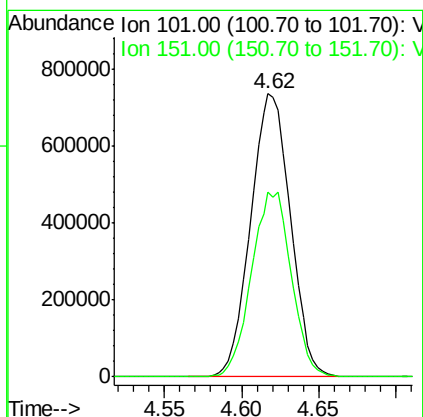
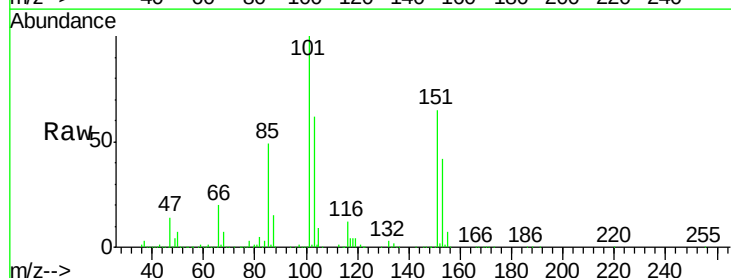
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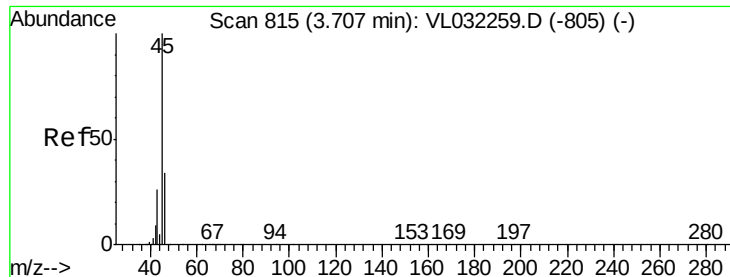
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.90 ppbv
 RT: 4.62 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion:101 Resp: 1318461
 Ion Ratio Lower Upper
 101 100
 151 65.5 51.3 76.9





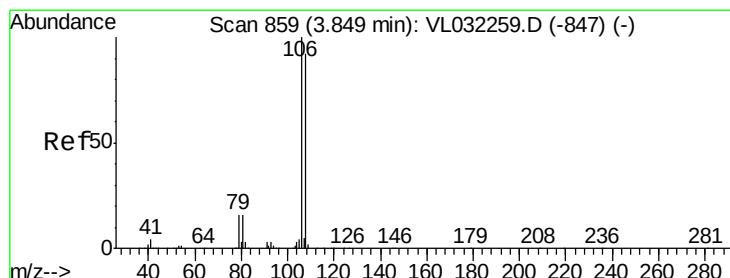
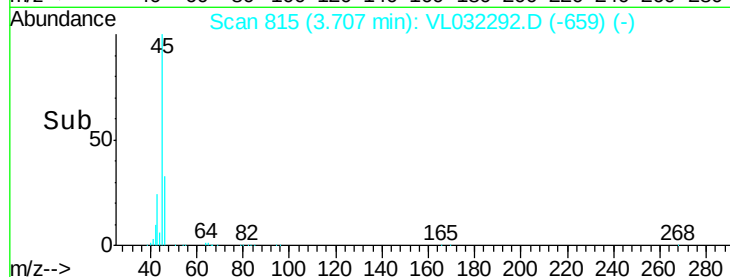
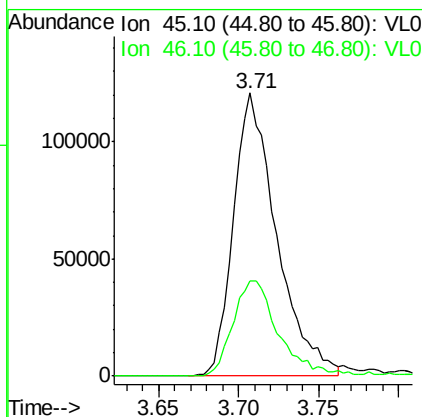
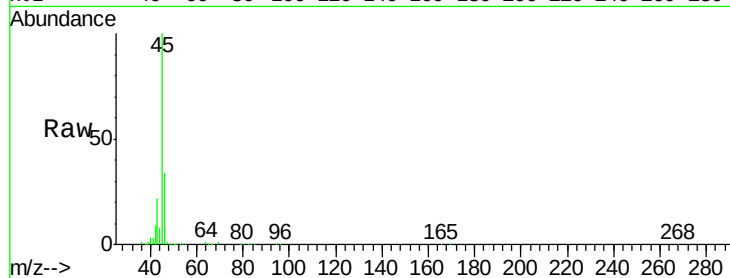
#13
Ethanol
Concen: 10.10 ppbv
RT: 3.71 min Scan# 815
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion	45	Resp	222362
Ion Ratio	100	Lower	Upper
45	100		
46	35.7	15.2	60.8

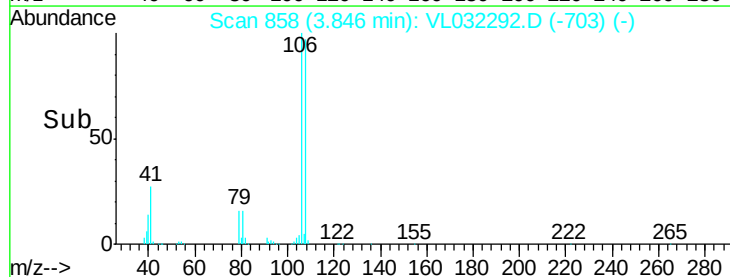
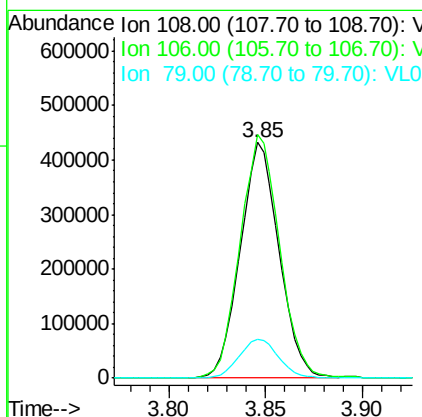
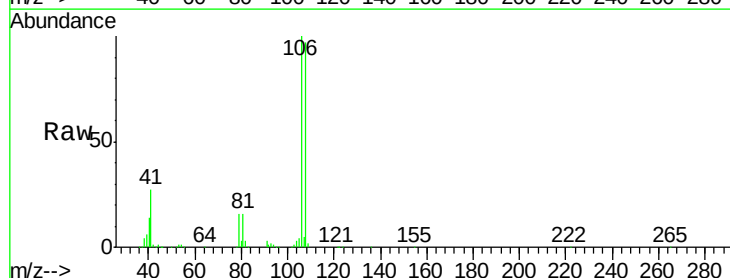
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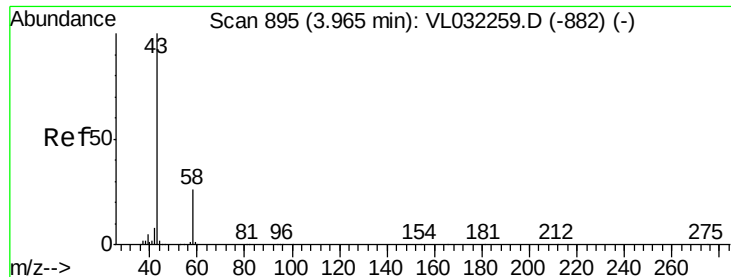
MMDadoda
7/20/2018 2:06:13 PM



#14
Bromoethene
Concen: 10.03 ppbv
RT: 3.85 min Scan# 858
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion	108	Resp	602456
Ion Ratio	100	Lower	Upper
108	100		
106	105.8	86.2	129.4
79	17.4	14.0	21.0





#15

Acetone

Concen: 9.56 ppbv

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tot Ion: 43 Resp: 1571992

Ion Ratio Lower Upper

43 100

58 27.4 21.8 32.6

Instrument :

MSVOA_L

ClientSampleId :

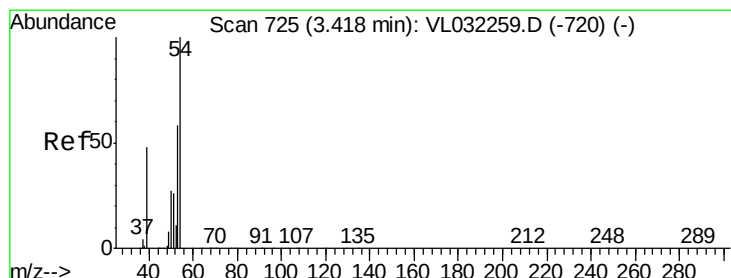
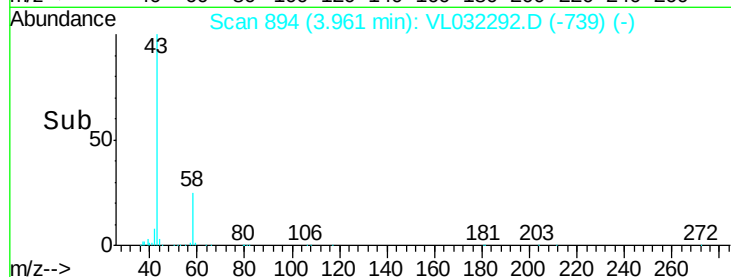
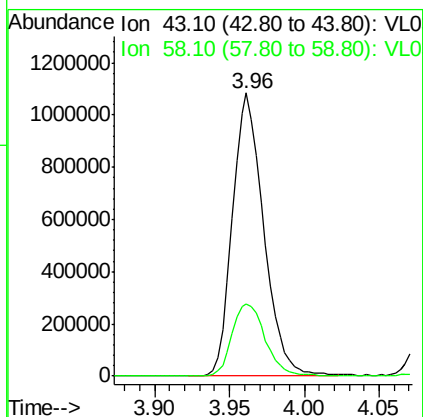
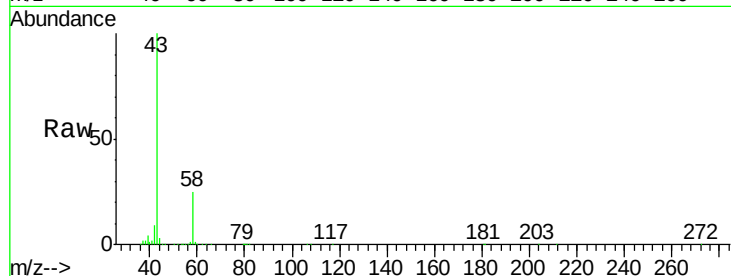
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#16

1,3-Butadiene

Concen: 10.67 ppbv

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VL032292.D

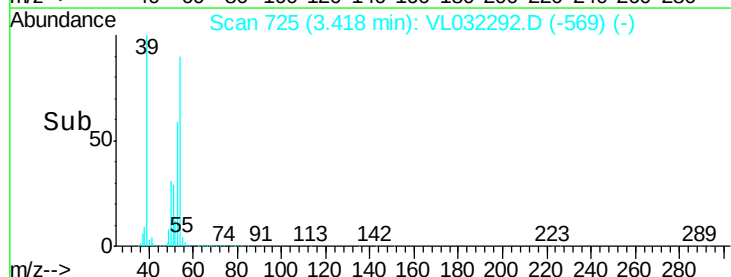
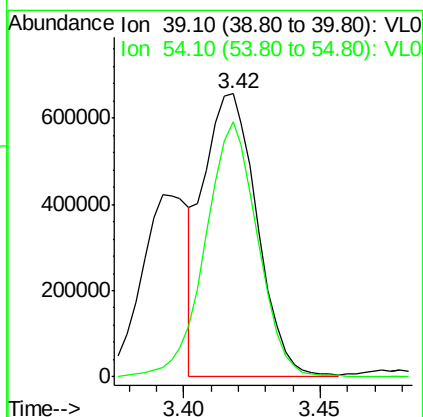
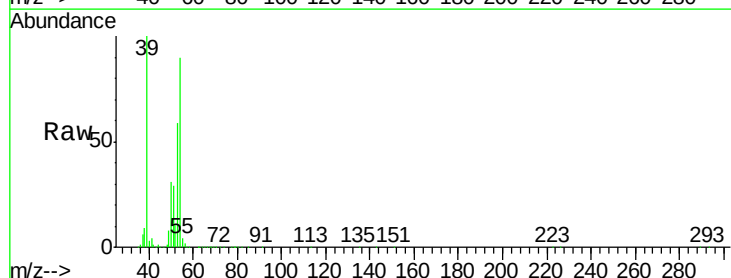
Acq: 19 Jul 2018 17:33

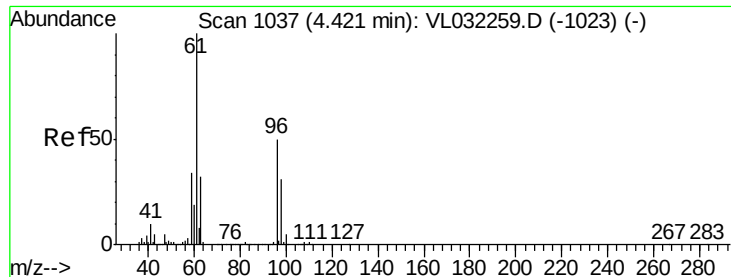
Tgt Ion: 39 Resp: 893262

Ion Ratio Lower Upper

39 100

54 88.9 70.6 105.8





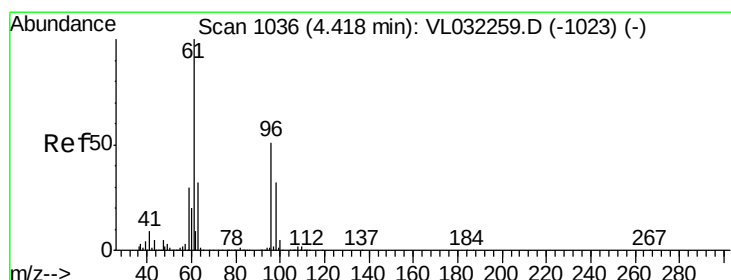
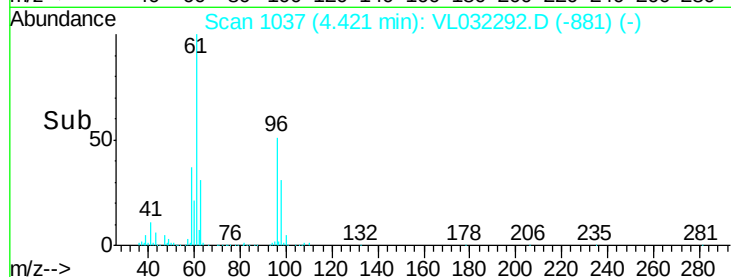
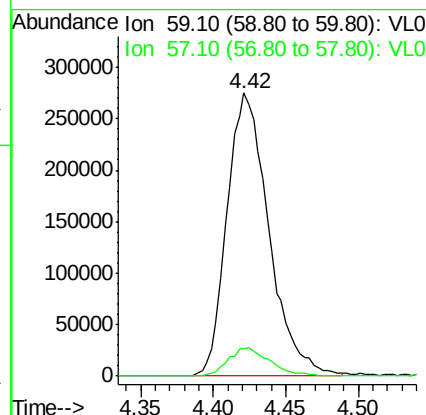
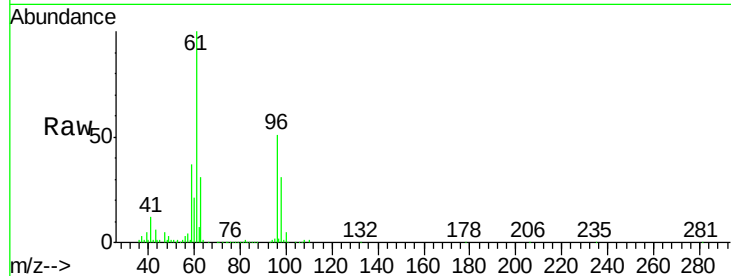
#17
 tert-Butyl alcohol
 Concen: 10.61 ppbv
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0719ABS01

Tot Ion: 59 Resp: 550371
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

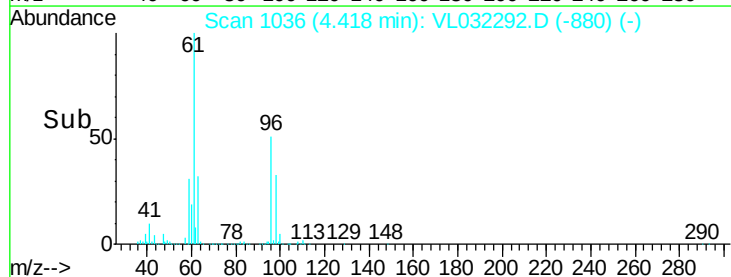
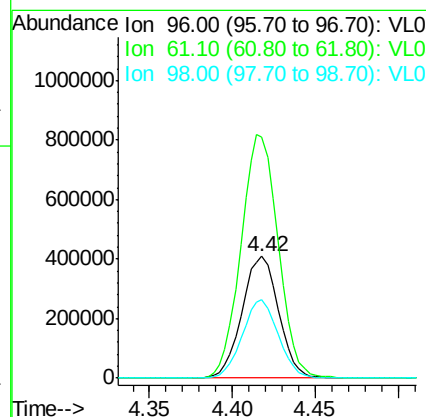
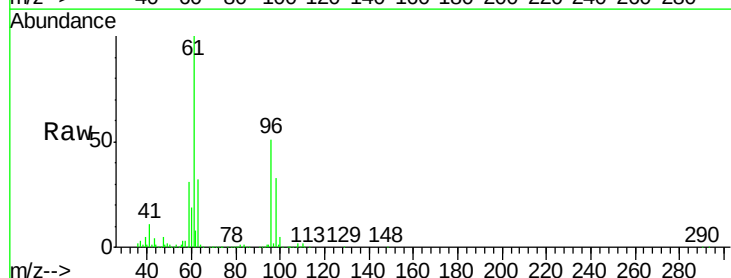
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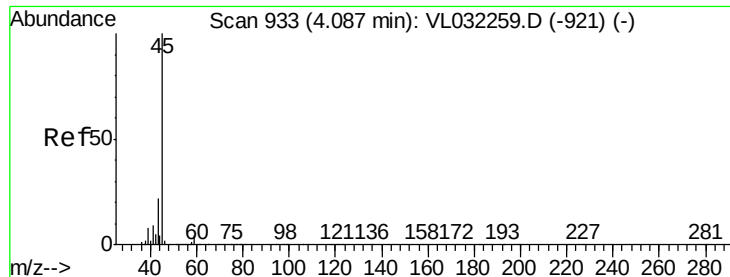
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 10.13 ppbv
 RT: 4.42 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion: 96 Resp: 630425
 Ion Ratio Lower Upper
 96 100
 61 197.0 157.2 235.8
 98 64.2 50.1 75.1





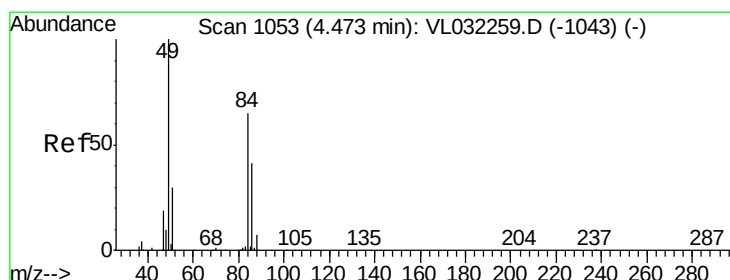
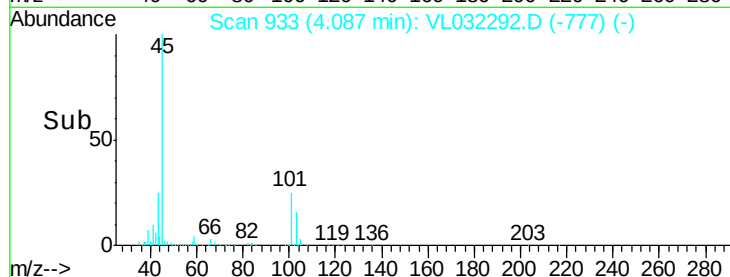
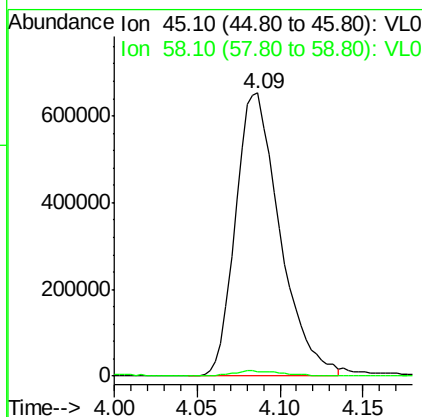
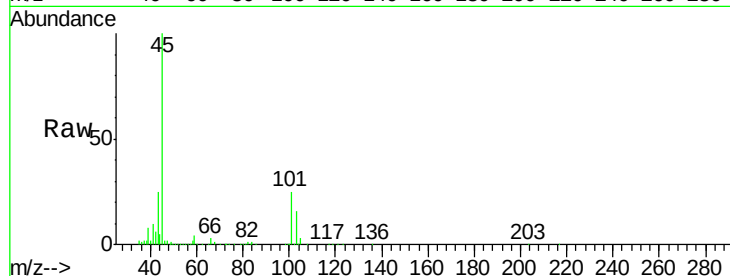
#19
Isopropyl Alcohol
Concen: 10.91 ppbv
RT: 4.09 min Scan# 933
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion: 45 Resp: 1213177
Ion Ratio Lower Upper
45 100
58 2.1 1.5 2.3

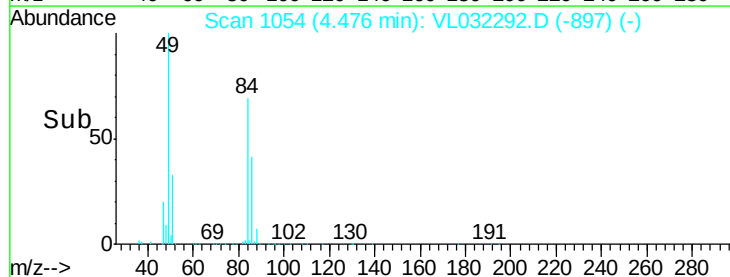
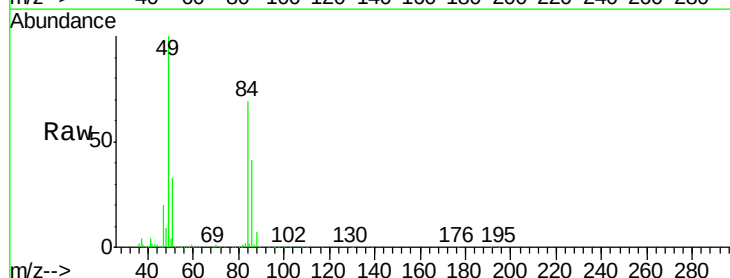
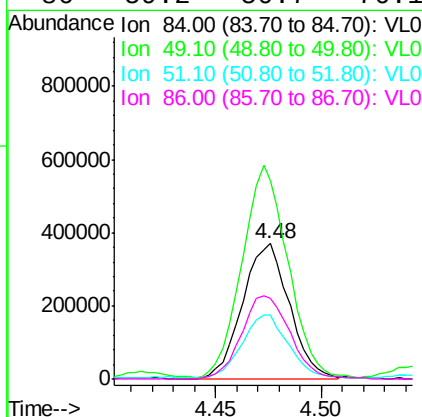
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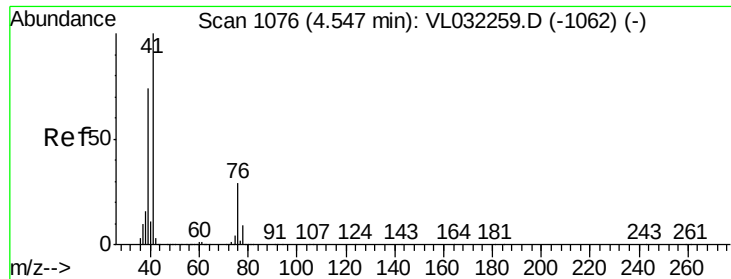
MMDadoda
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#20
Methylene Chloride
Concen: 8.98 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion: 84 Resp: 568407
Ion Ratio Lower Upper
84 100
49 144.9 122.4 183.6
51 47.0 36.8 55.2
86 59.2 50.7 76.1





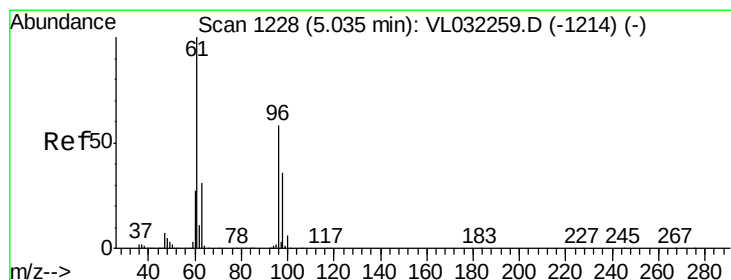
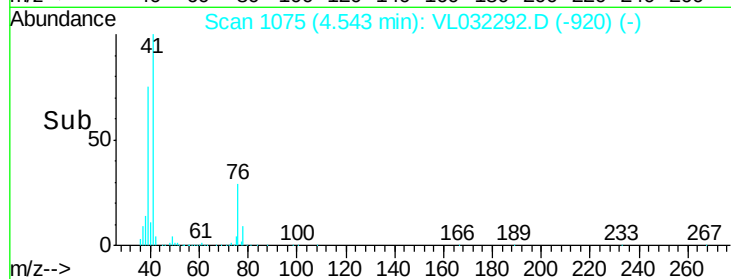
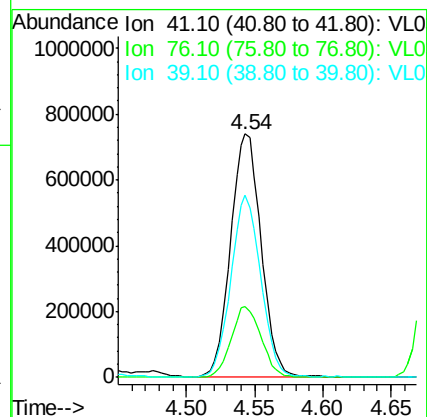
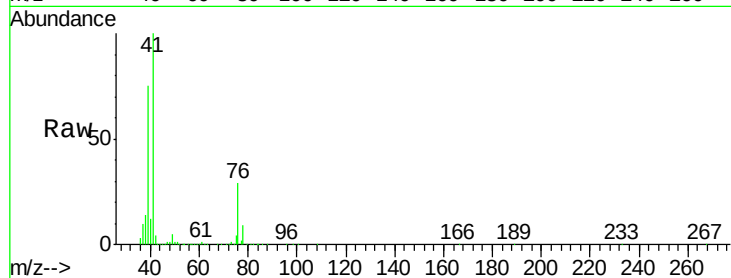
#21
Allvl Chloride
Concen: 10.58 ppbv
RT: 4.54 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.6	23.0	34.6
39	73.4	60.2	90.4

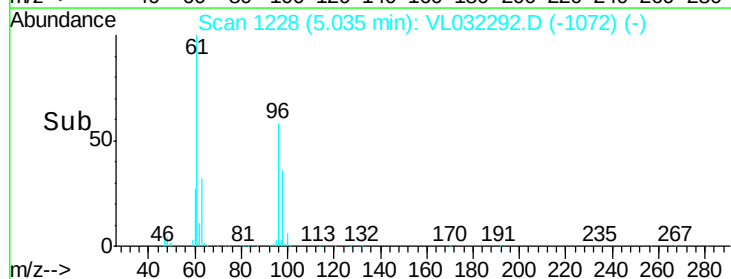
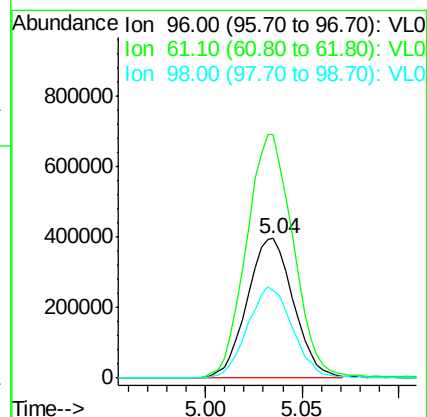
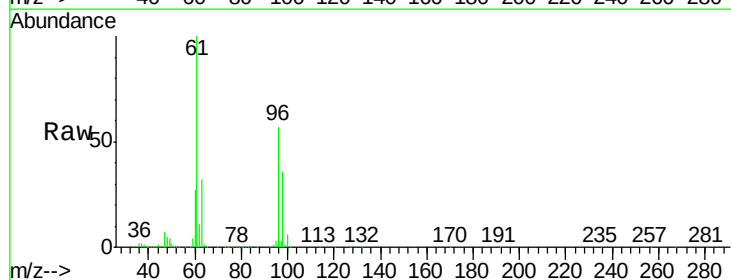
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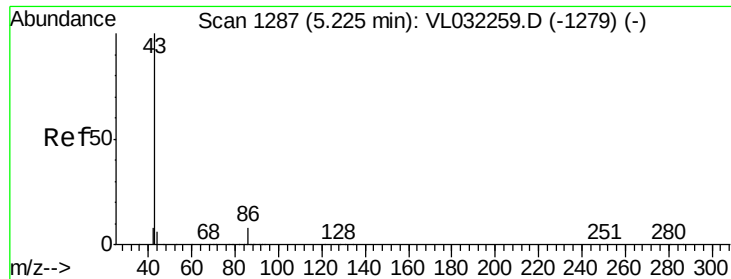
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.18 ppbv
RT: 5.04 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.0	137.4	206.0
98	62.4	49.6	74.4





#23

Vinyl Acetate

Concen: 10.81 ppbv

RT: 5.22 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 43 Resp: 3188447

Ion Ratio Lower Upper

43 100

86 6.8 5.9 8.9

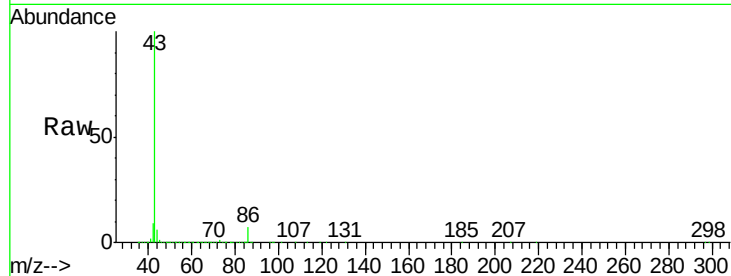
42 8.5 7.3 10.9

44 5.5 4.4 6.6

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MMDadoda

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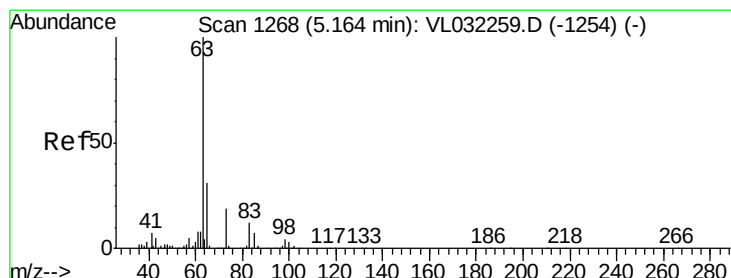
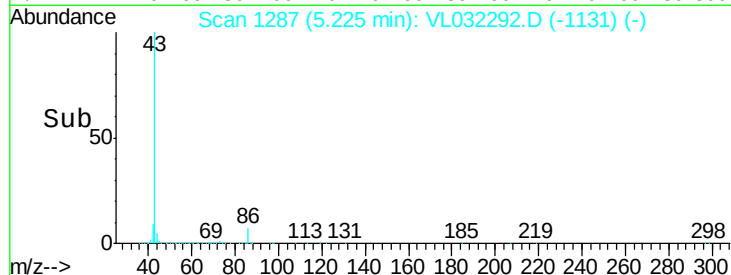
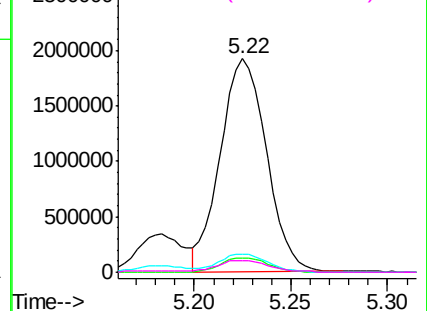


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.04 ppbv

RT: 5.16 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

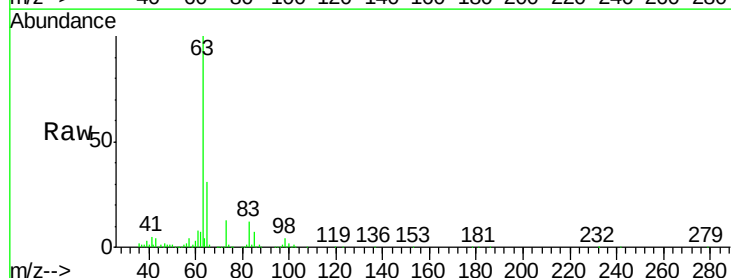
Tgt Ion: 63 Resp: 2147873

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.3

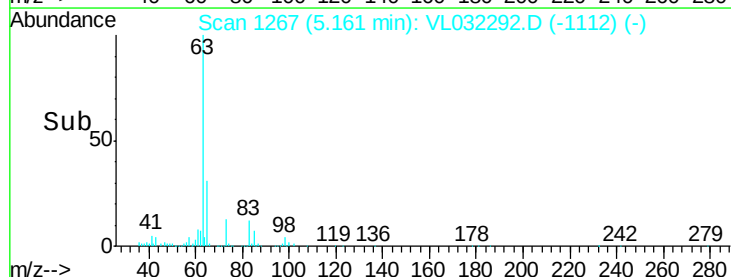
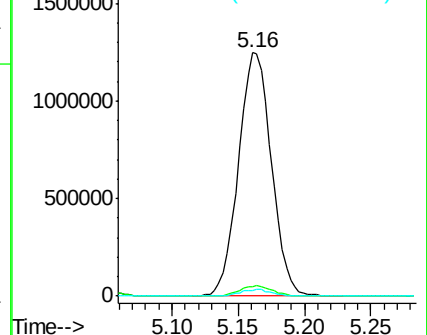
100 2.4 1.3 3.9

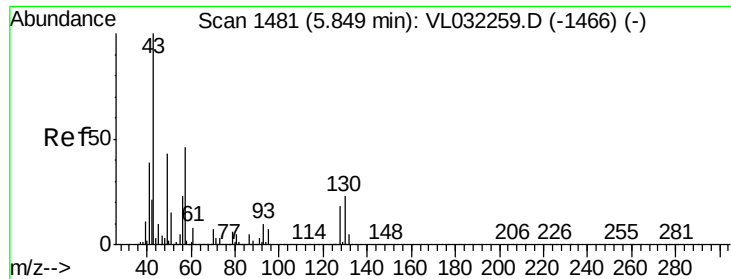


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





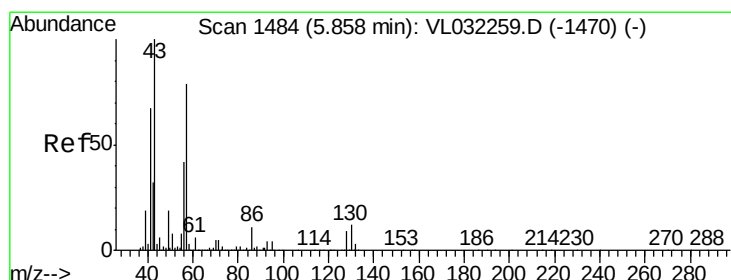
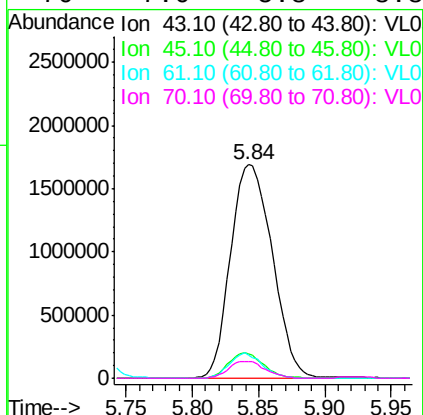
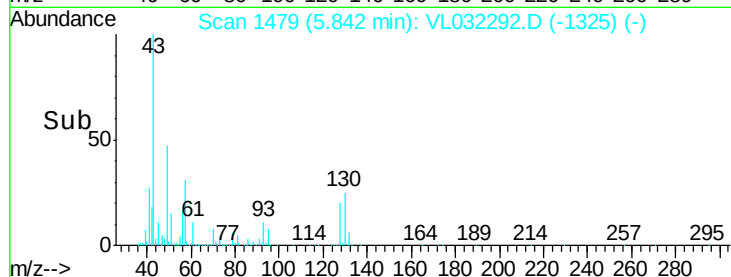
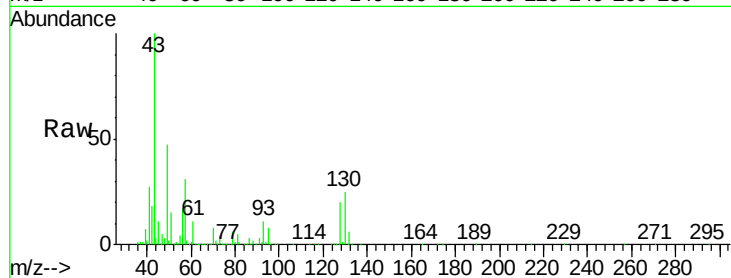
#25
Ethyl Acetate
Concen: 10.33 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.2	7.9	11.9	
61	9.6	7.6	11.4	
70	7.0	5.8	8.8	

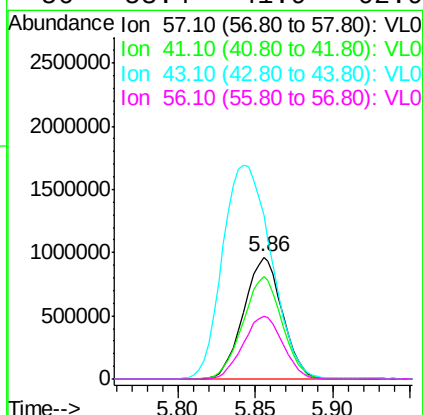
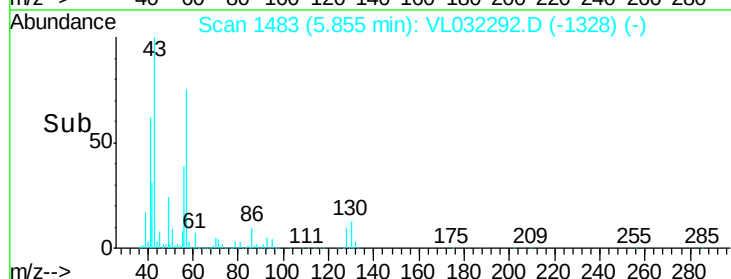
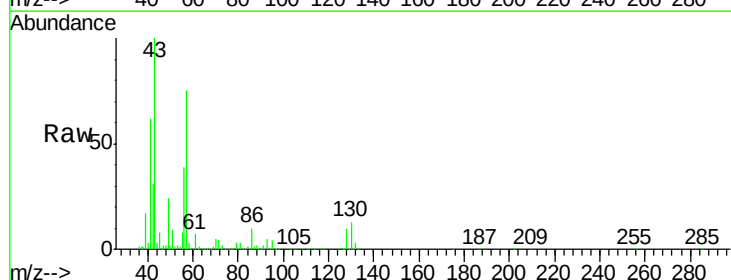
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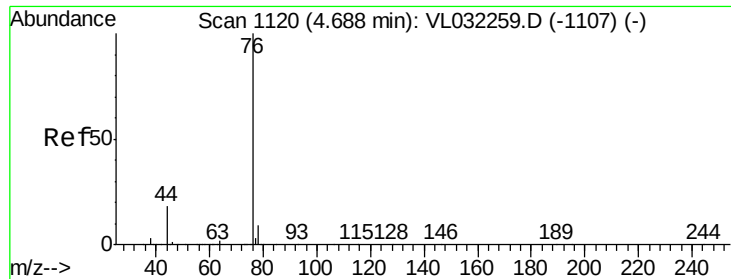
MMDadoda
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#26
Hexane
Concen: 10.18 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	85.6	67.9	101.9	
43	221.8	175.9	263.9	
56	53.4	41.9	62.9	





#27

Carbon Disulfide

Concen: 11.37 ppbv

RT: 4.69 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

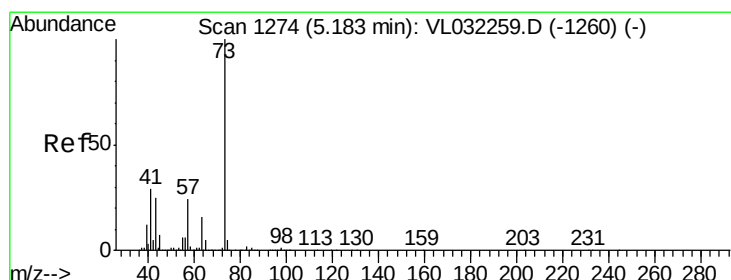
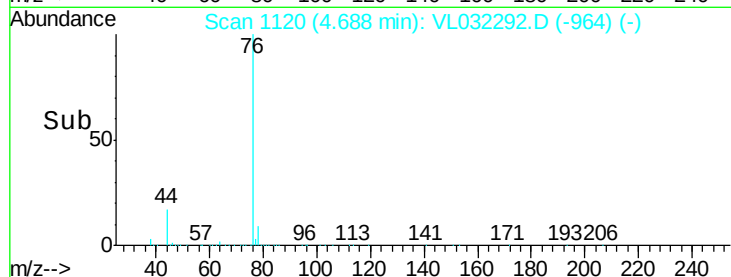
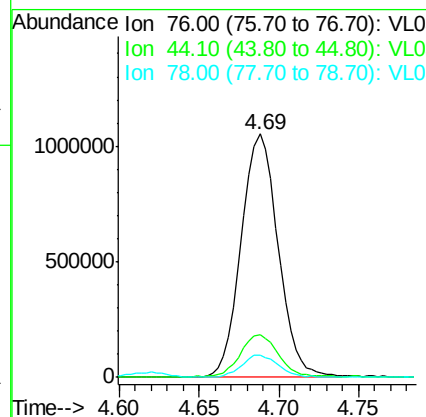
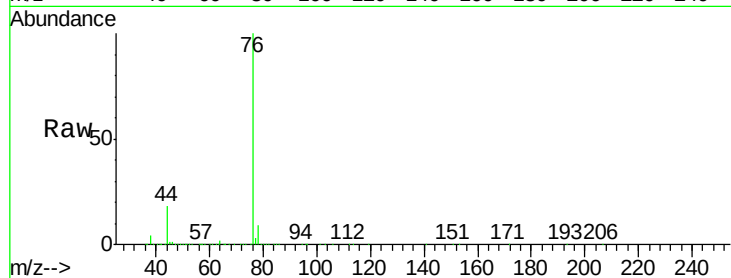
ClientSampleId :

VL0719ABS01

Tot Ion:	76	Resp:	1656354
Ion	Ratio	Lower	Upper
76	100		
44	18.1	14.3	21.5
78	9.3	7.4	11.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.33 ppbv

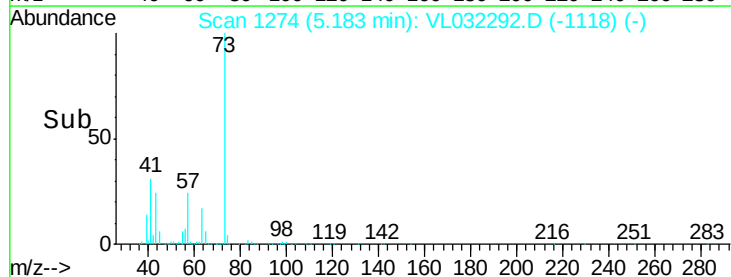
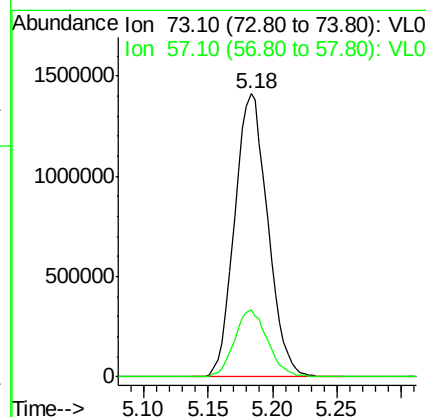
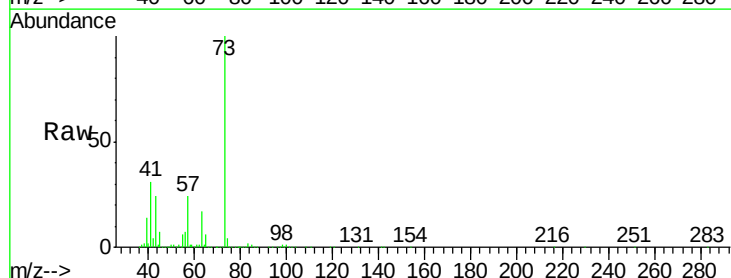
RT: 5.18 min Scan# 1274

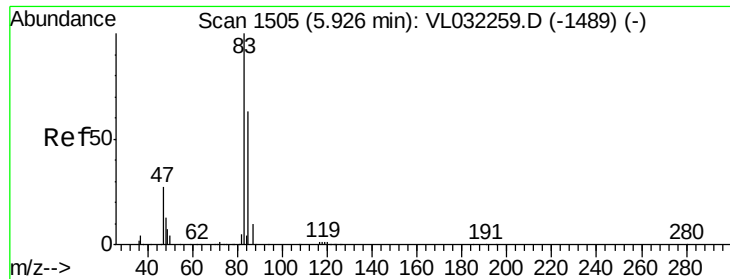
Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion:	73	Resp:	2520037
Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9





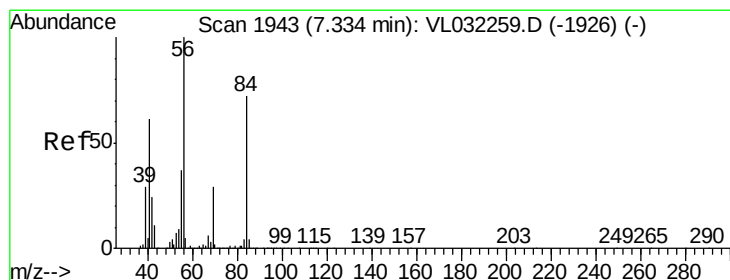
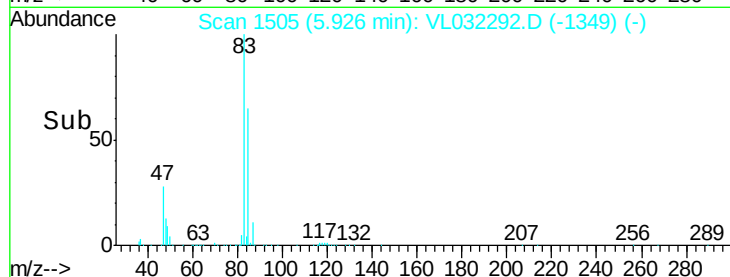
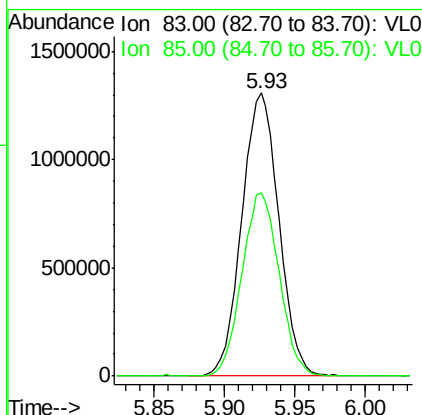
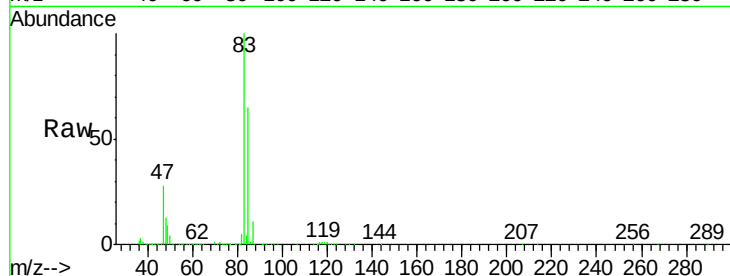
#29
Chloroform
Concen: 9.94 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion: 83 Resp: 2411743
Ion Ratio Lower Upper
83 100
85 64.8 50.7 76.1

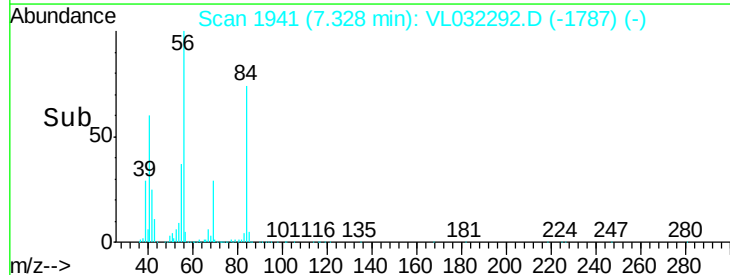
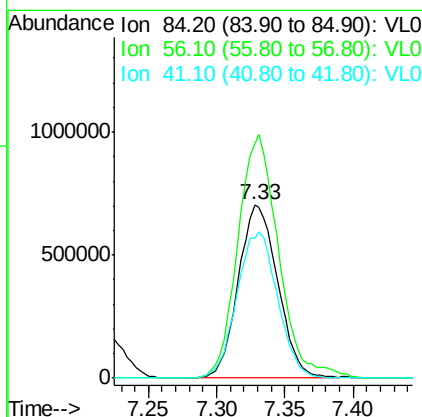
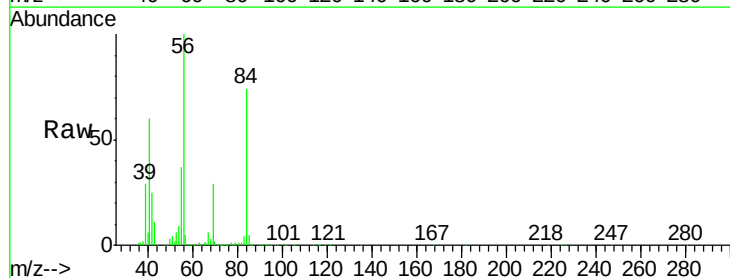
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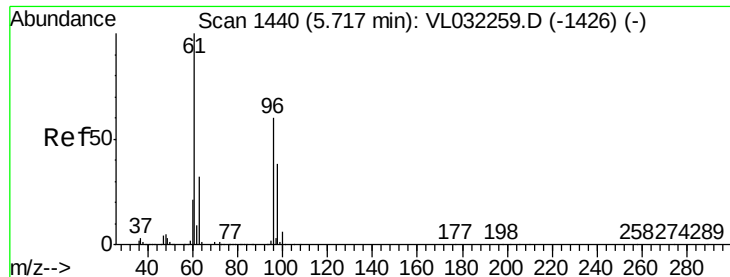
MMDadoda
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#30
Cyclohexane
Concen: 10.26 ppbv
RT: 7.33 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion: 84 Resp: 1415273
Ion Ratio Lower Upper
84 100
56 145.4 115.6 173.4
41 86.7 68.7 103.1





#31

cis-1,2-Dichloroethene

Concen: 10.76 ppbv

RT: 5.72 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

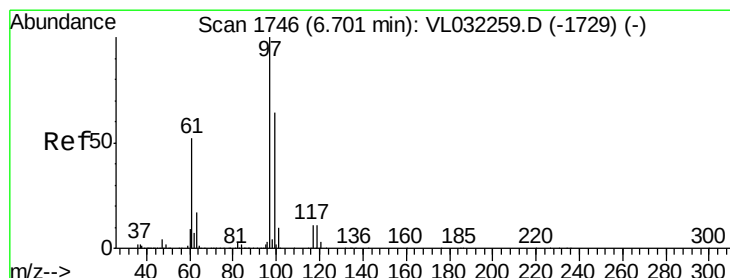
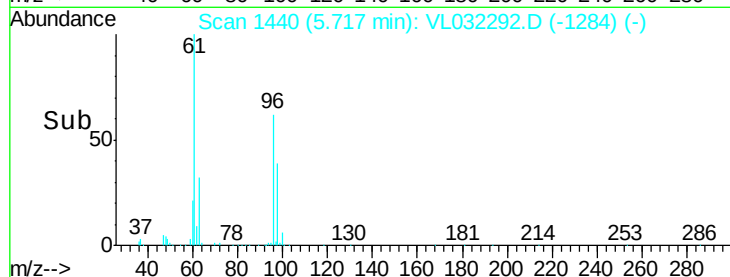
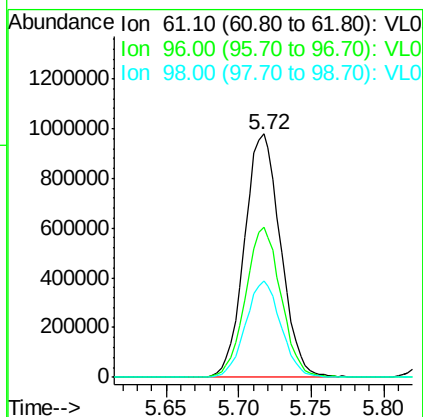
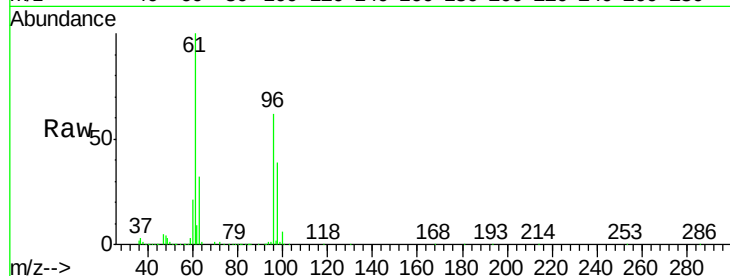
ClientSampleId :

VL0719ABS01

Tot Ion:	61	Resp:	1697107
Ion	Ratio	Lower	Upper
61	100		
96	61.6	47.9	71.9
98	39.3	30.5	45.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.67 ppbv

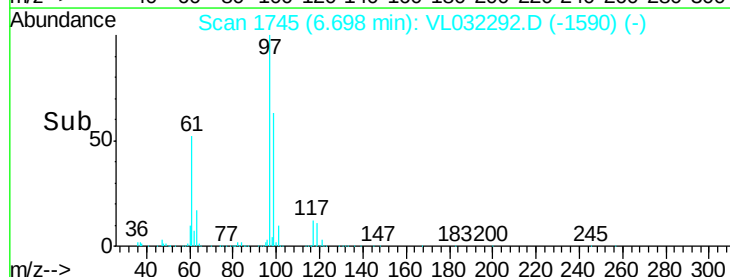
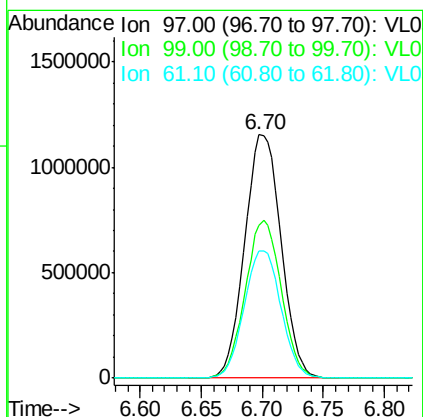
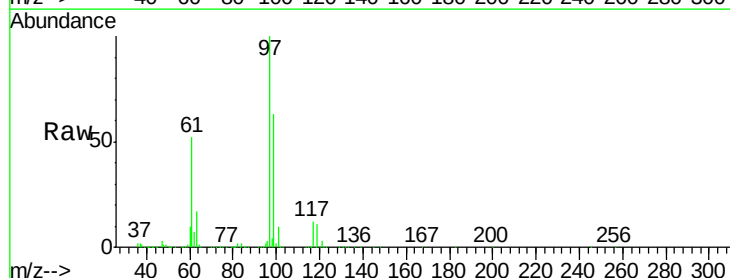
RT: 6.70 min Scan# 1745

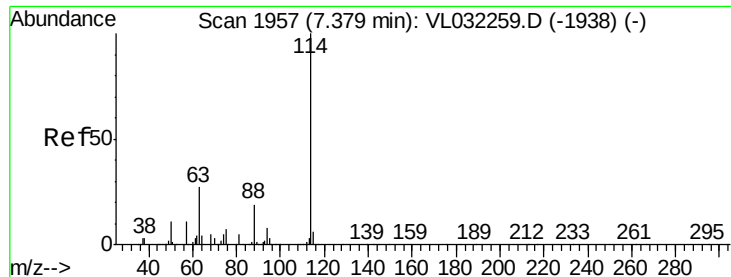
Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion:	97	Resp:	2372968
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	53.0	41.2	61.8





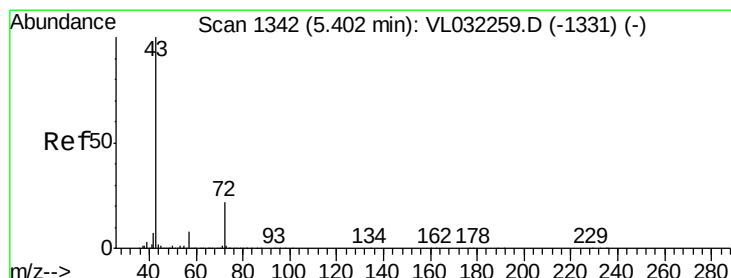
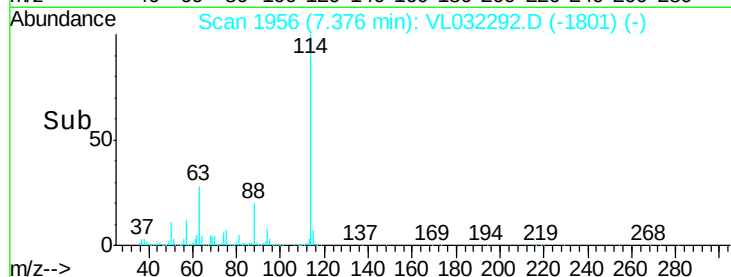
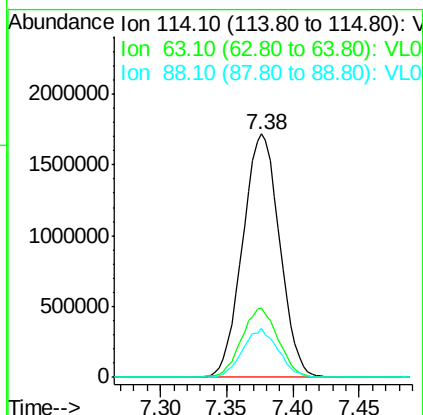
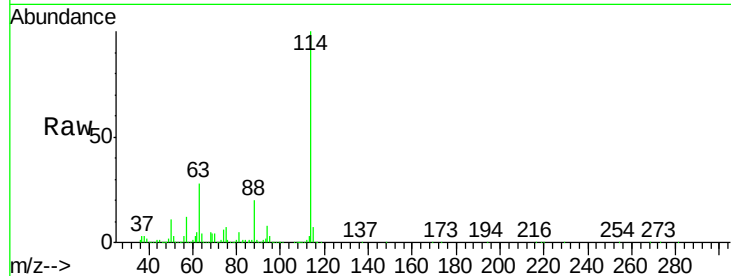
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0719ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.6	33.8
88	19.0	15.2	22.8

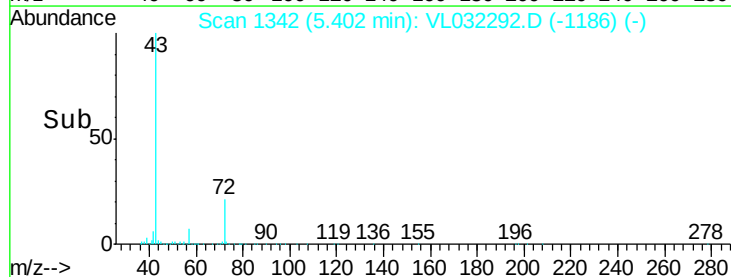
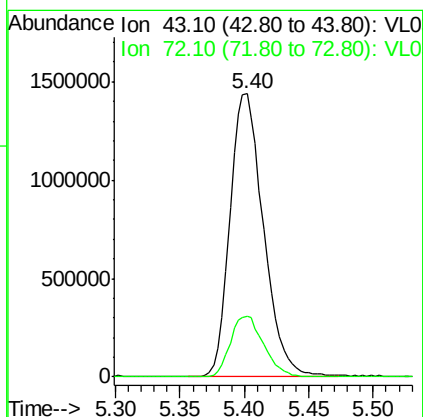
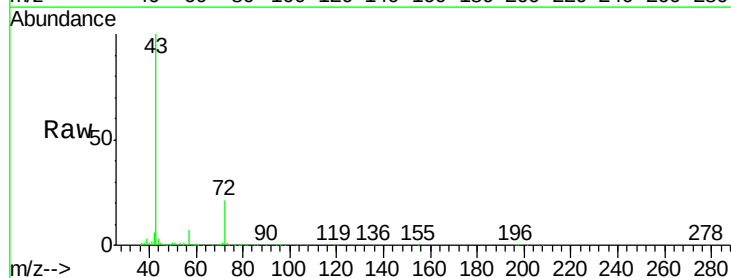
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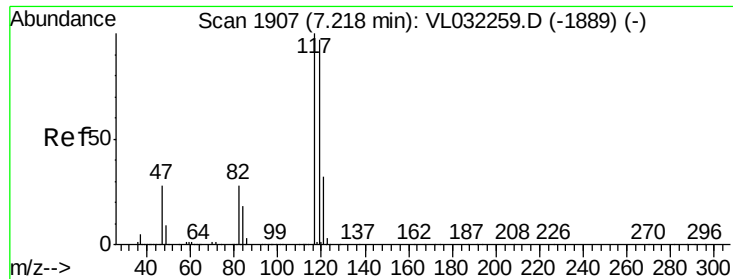
MMDadoda
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#34
 2-Butanone
 Concen: 11.28 ppbv
 RT: 5.40 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.7	26.5





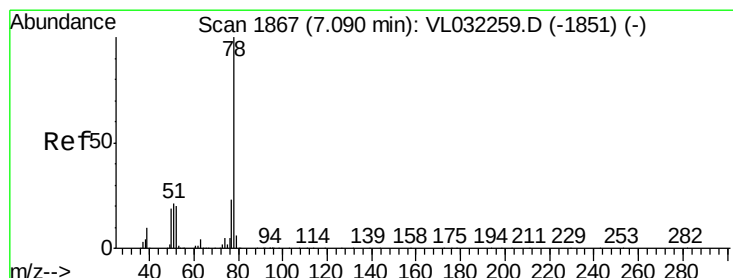
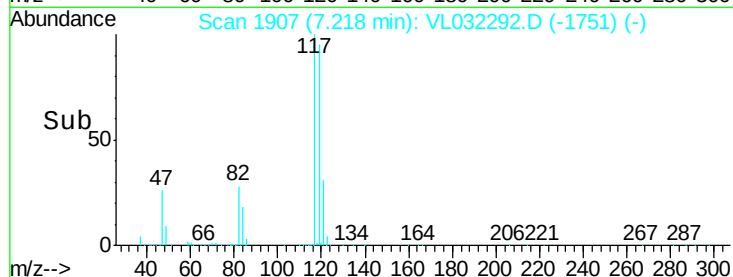
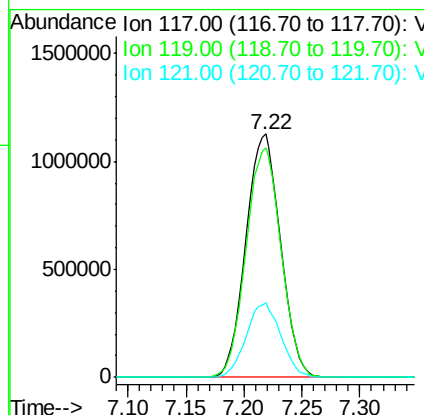
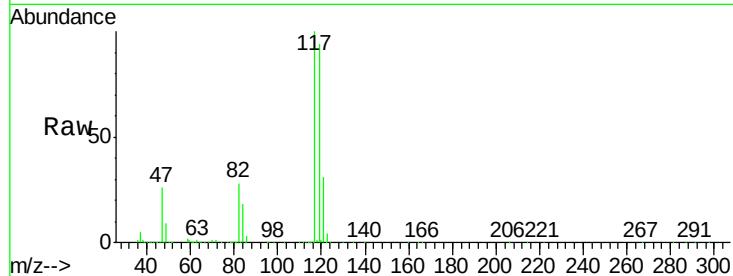
#35
Carbon Tetrachloride
Concen: 10.21 ppbv
RT: 7.22 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.4	116.0
121	30.8	25.4	38.2

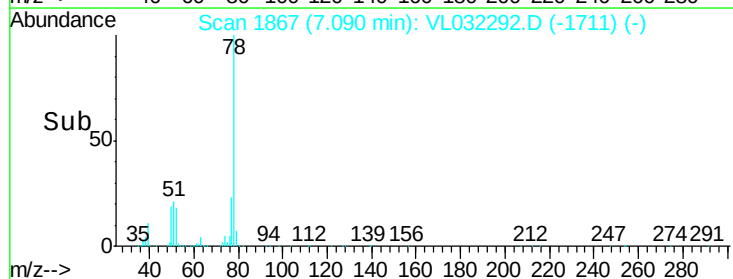
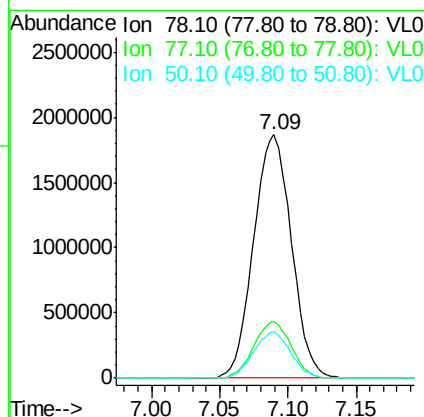
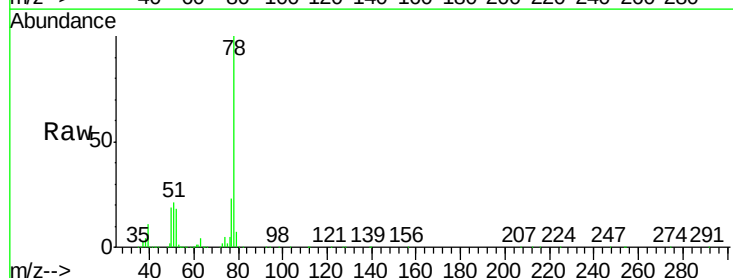
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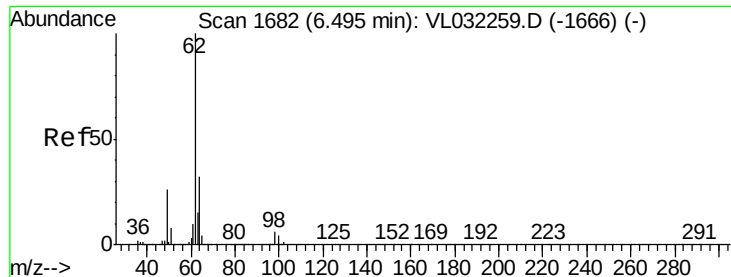
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#36
Benzene
Concen: 10.90 ppbv
RT: 7.09 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	27.8
50	19.1	15.0	22.6





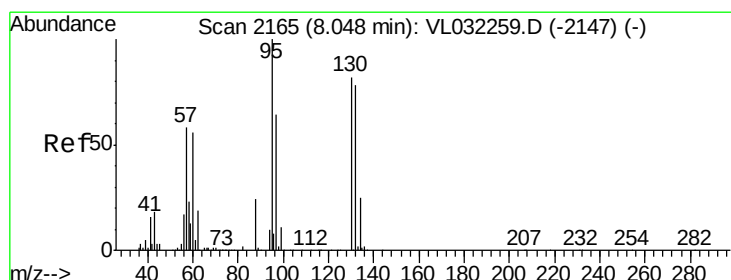
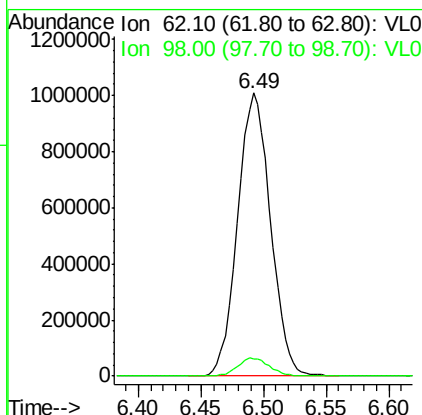
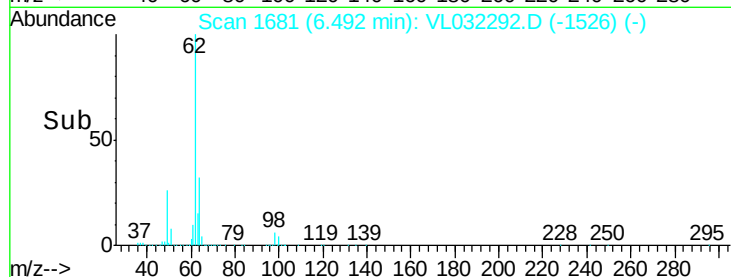
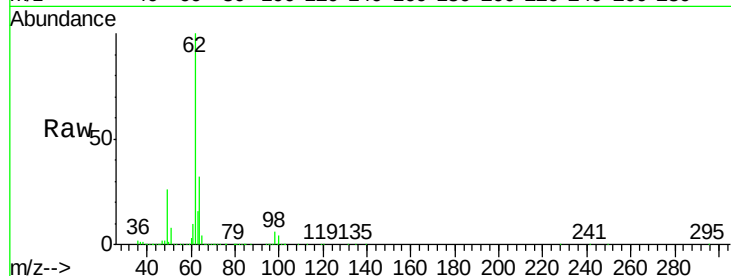
#37
1,2-Dichloroethane
Concen: 9.48 ppbv
RT: 6.49 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion: 62 Resp: 1842933
Ion Ratio Lower Upper
62 100
98 6.2 4.9 7.3

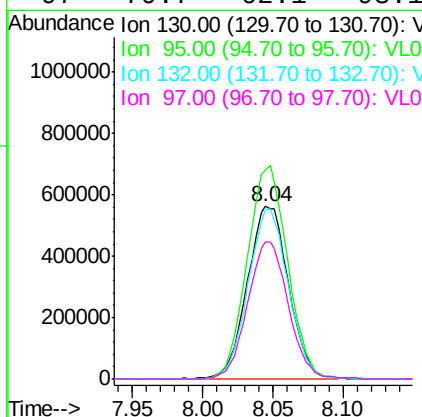
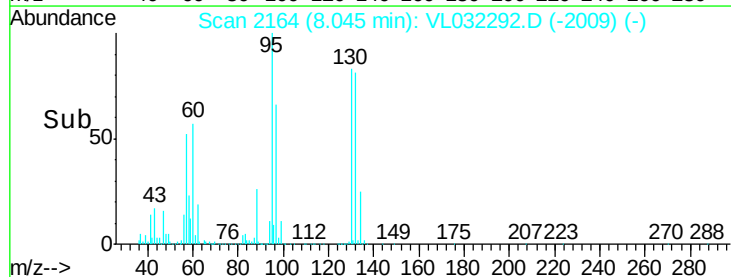
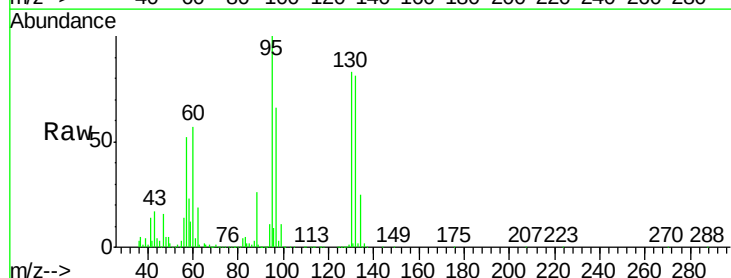
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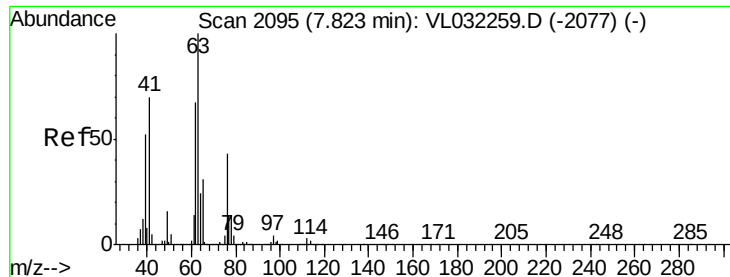
MMDadoda
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#38
Trichloroethene
Concen: 10.48 ppbv
RT: 8.04 min Scan# 2164
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion: 130 Resp: 1141047
Ion Ratio Lower Upper
130 100
95 121.4 97.1 145.7
132 97.7 75.6 113.4
97 79.7 62.1 93.1





#39

1,2-Dichloropropane

Concen: 11.13 ppbv

RT: 7.82 min Scan# 2095

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 63 Resp: 1450306

Ion Ratio Lower Upper

63 100

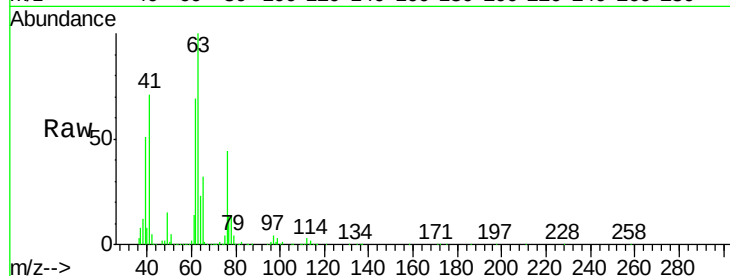
41 70.7 55.8 83.6

62 69.3 53.8 80.8

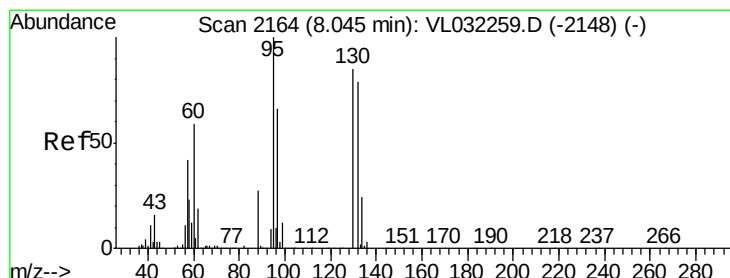
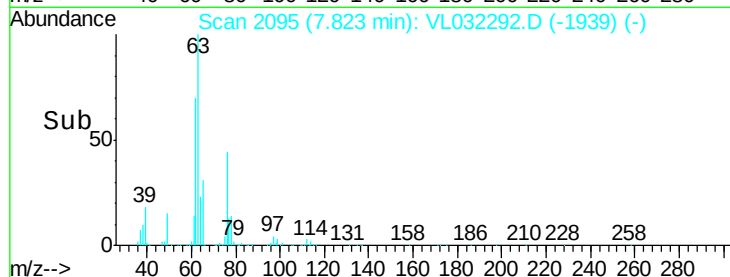
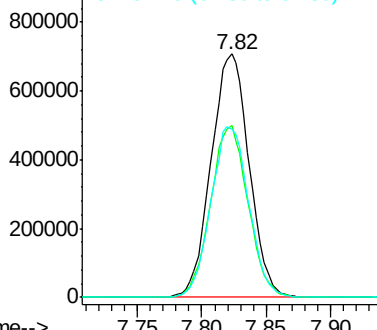
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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.89 ppbv

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion: 88 Resp: 457771

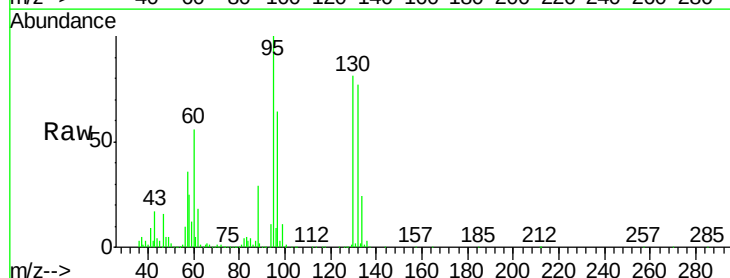
Ion Ratio Lower Upper

88 100

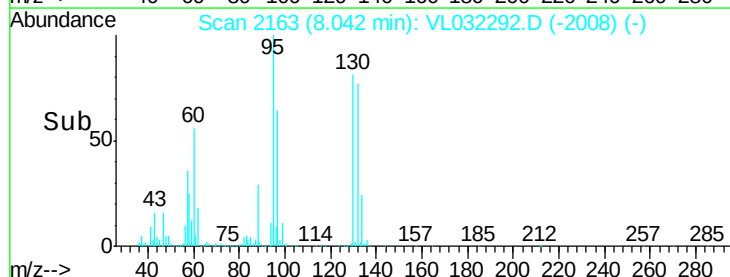
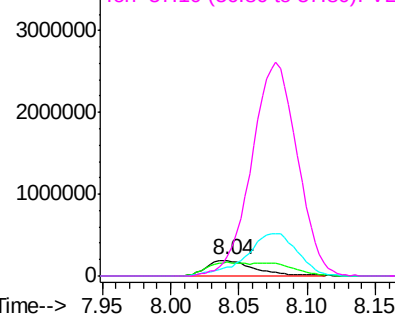
58 148.2 60.9 91.3#

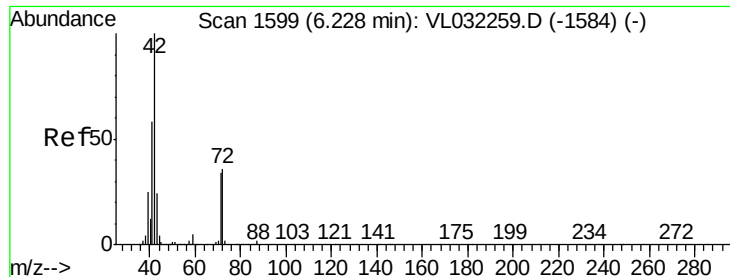
43 297.8 0.0 0.0#

57 1335.8 0.0 0.0#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.31 ppbv

RT: 6.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 42 Resp: 1514192

Ion Ratio Lower Upper

42 100

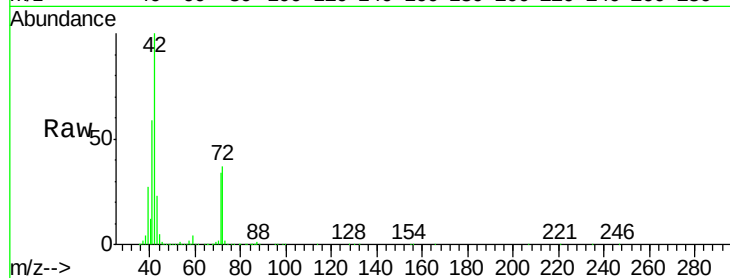
72 35.8 29.4 44.0

71 34.6 28.2 42.4

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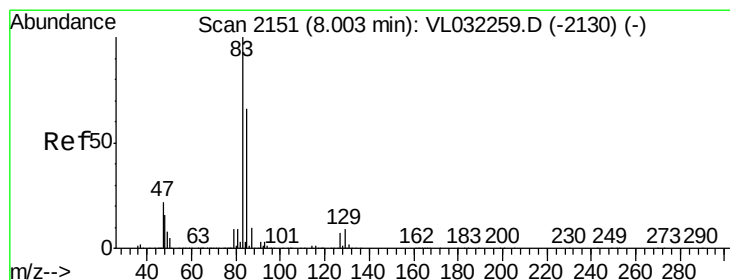
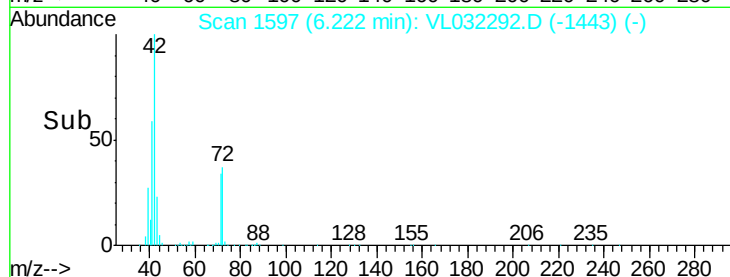
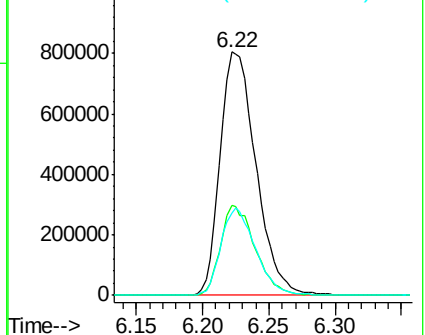
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Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.81 ppbv

RT: 8.00 min Scan# 2151

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

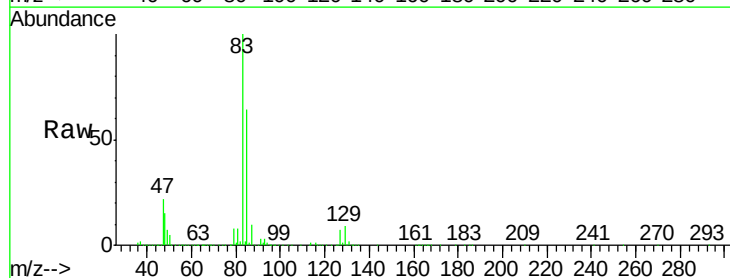
Tgt Ion: 83 Resp: 2646036

Ion Ratio Lower Upper

83 100

85 64.2 53.0 79.4

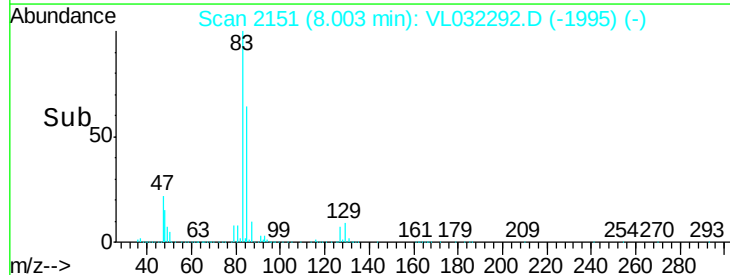
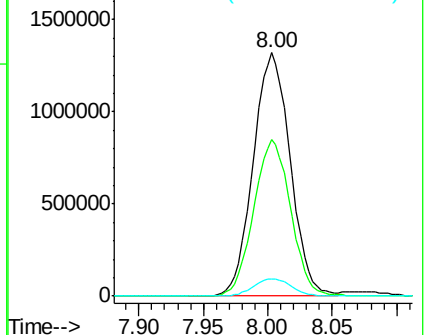
127 6.9 5.7 8.5

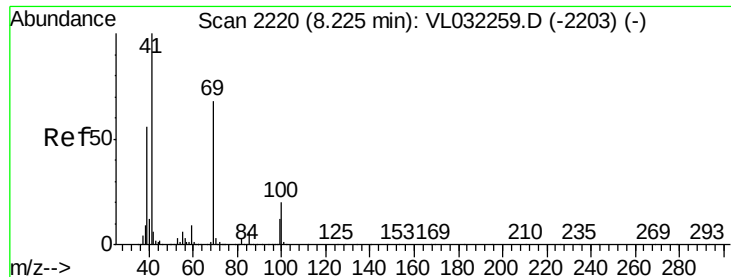


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





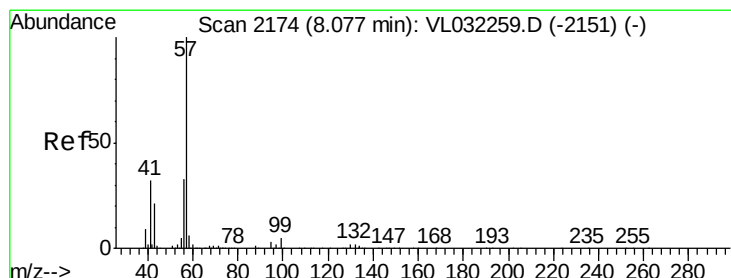
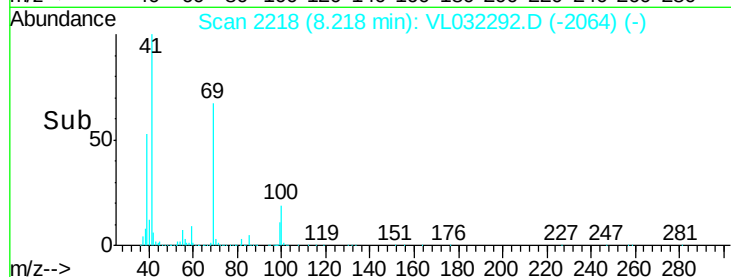
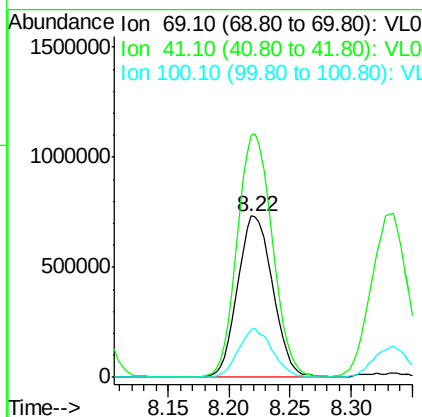
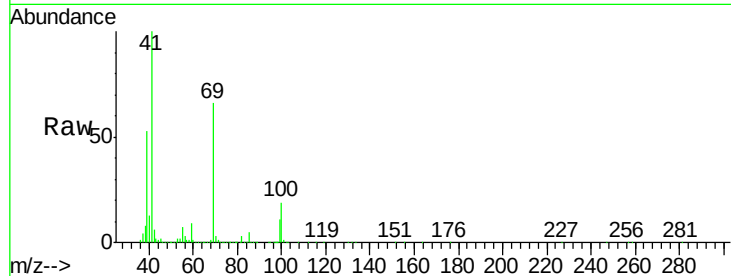
#43
Methyl Methacrylate
Concen: 10.83 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. -0.01 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.8	118.6	177.8
100	29.1	23.3	34.9

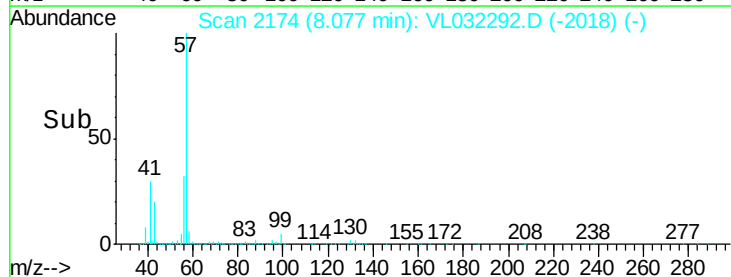
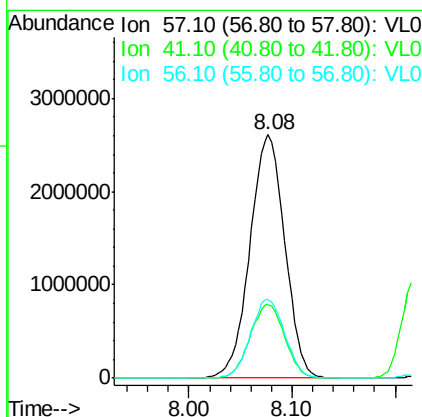
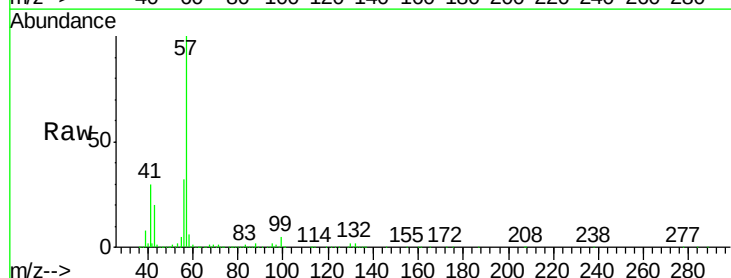
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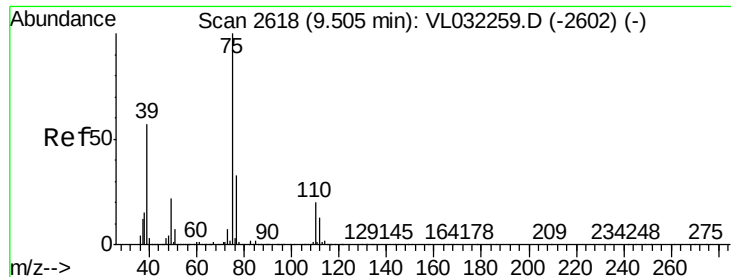
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.64 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.3	24.4	36.6
56	31.9	25.7	38.5





#45

t-1,3-Dichloropropene

Concen: 13.98 ppbv

RT: 9.50 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 75 Resp: 2222655

Ion Ratio Lower Upper

75 100

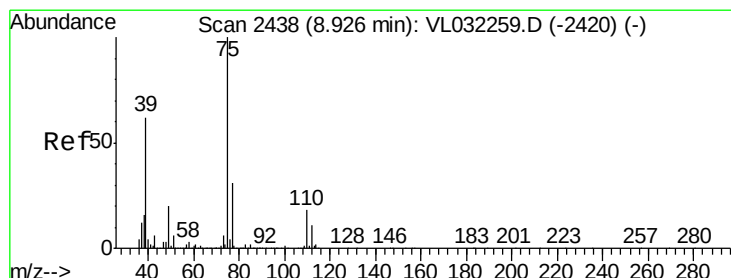
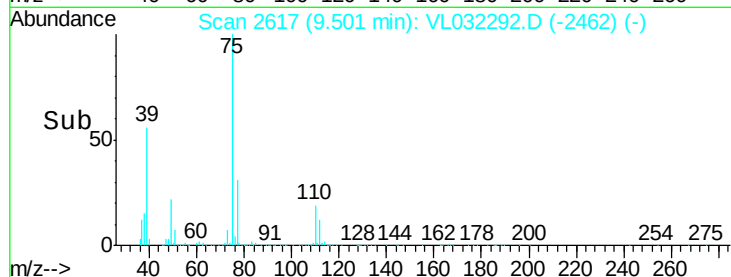
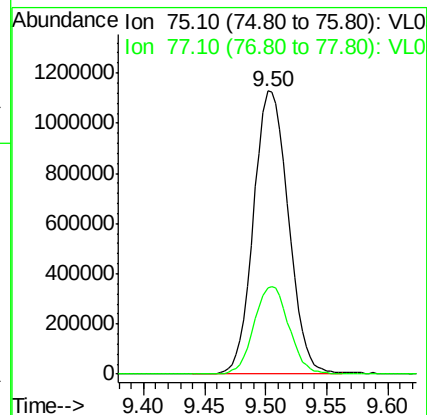
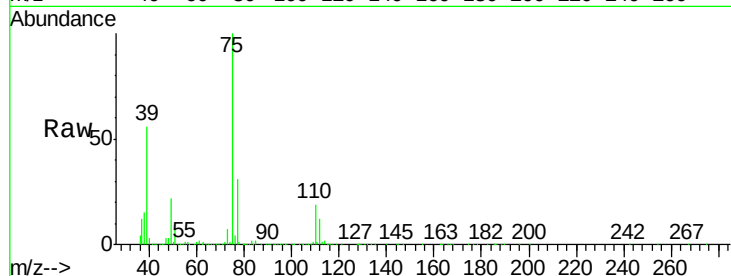
77 30.6 26.2 39.4

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#46

cis-1,3-Dichloropropene

Concen: 11.45 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

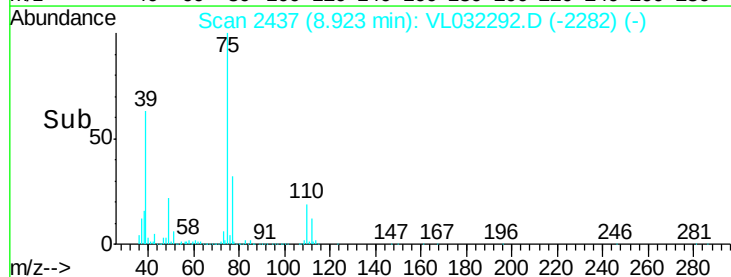
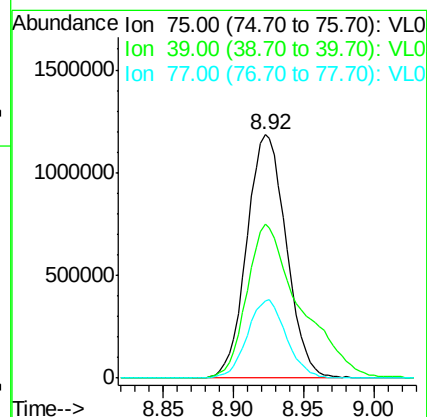
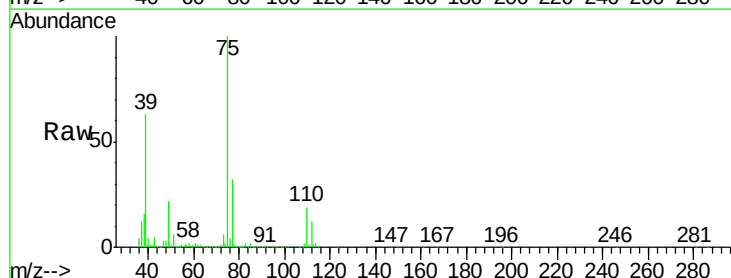
Tgt Ion: 75 Resp: 2321202

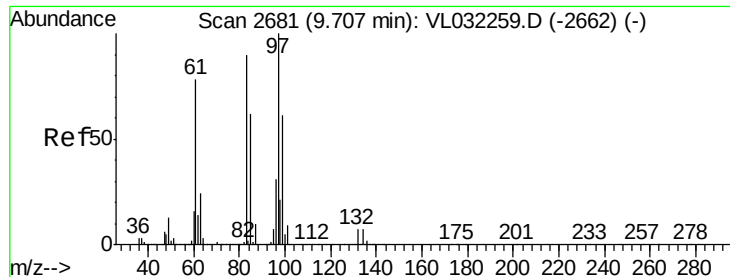
Ion Ratio Lower Upper

75 100

39 63.0 49.9 74.9

77 31.7 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 11.53 ppbv

RT: 9.70 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 97 Resp: 1624037

Ion Ratio Lower Upper

97 100

83 91.6 72.3 108.5

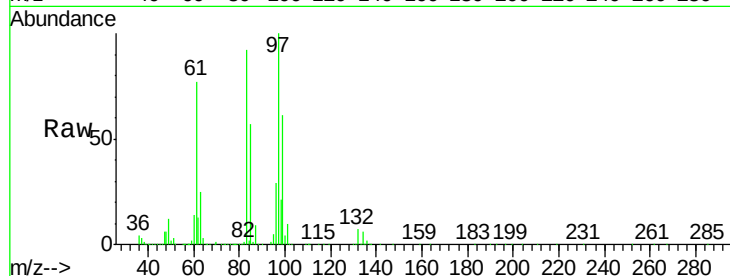
85 56.9 49.5 74.3

99 60.8 48.9 73.3

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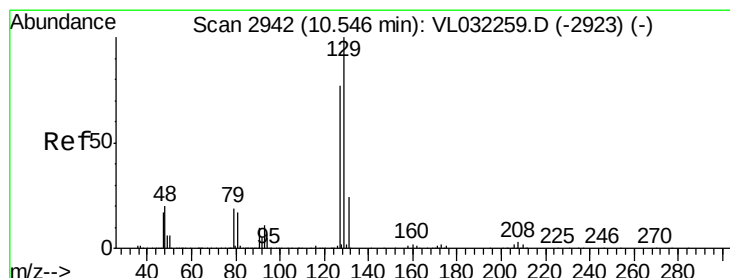
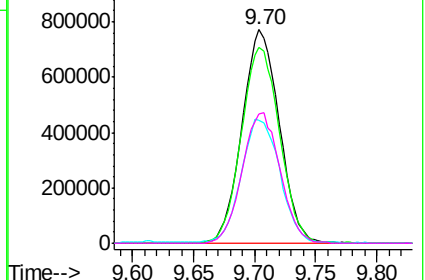
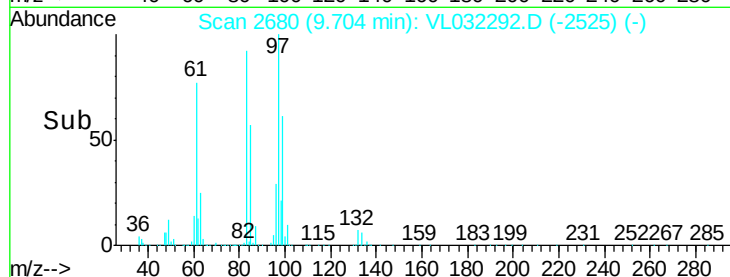


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.01 ppbv

RT: 10.54 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VL032292.D

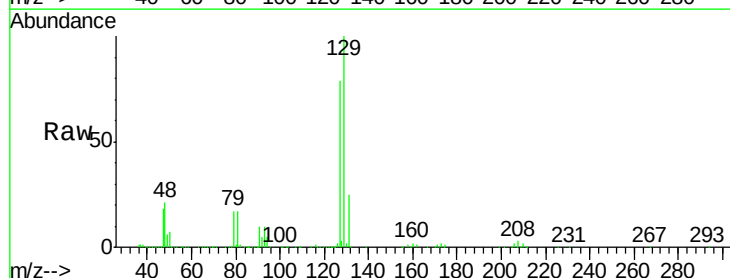
Acq: 19 Jul 2018 17:33

Tgt Ion: 129 Resp: 2260756

Ion Ratio Lower Upper

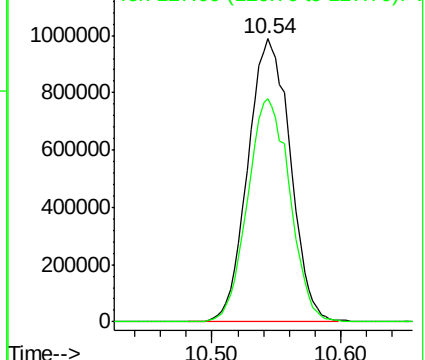
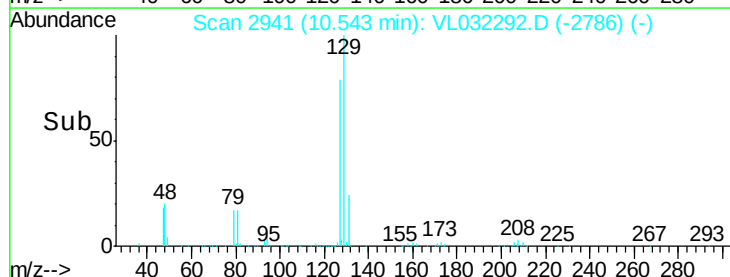
129 100

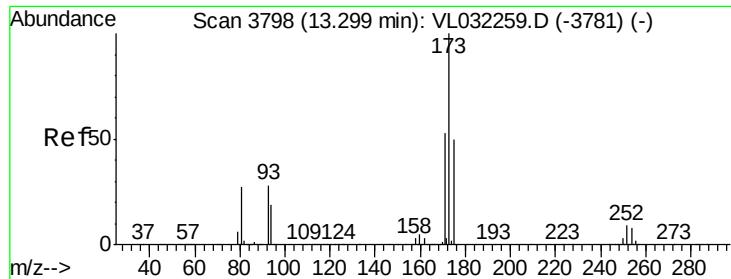
127 78.8 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.50 ppbv

RT: 13.30 min Scan# 3798

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion:173 Resp: 2060958

Ion Ratio Lower Upper

173 100

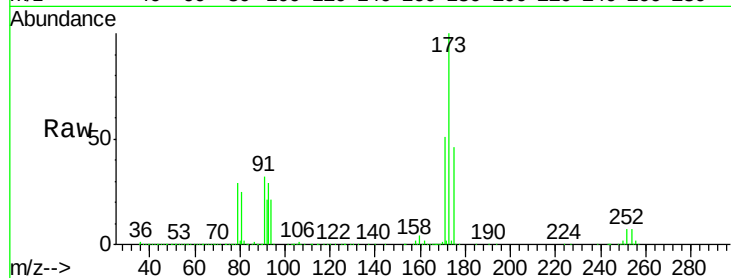
175 48.6 39.0 58.6

171 52.7 41.6 62.4

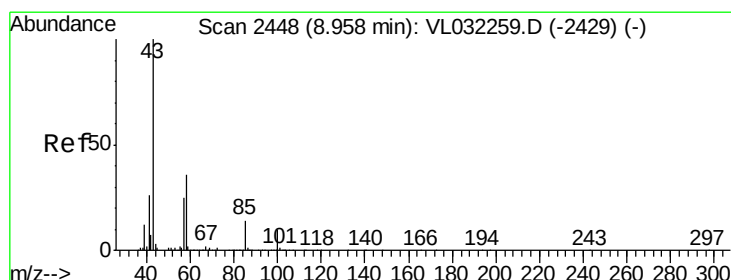
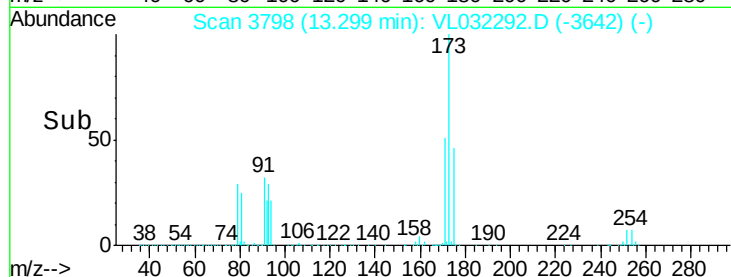
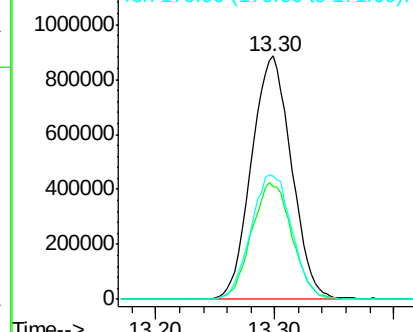
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.86 ppbv

RT: 8.96 min Scan# 2448

Delta R.T. 0.00 min

Lab File: VL032292.D

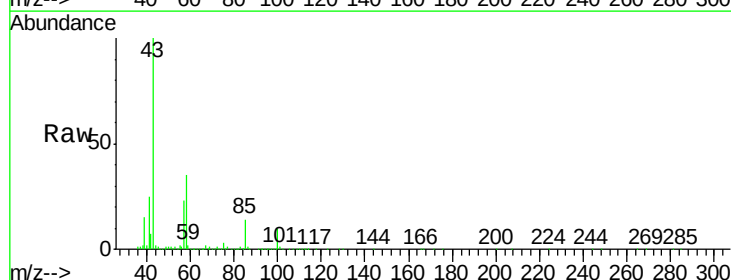
Acq: 19 Jul 2018 17:33

Tgt Ion: 43 Resp: 4099628

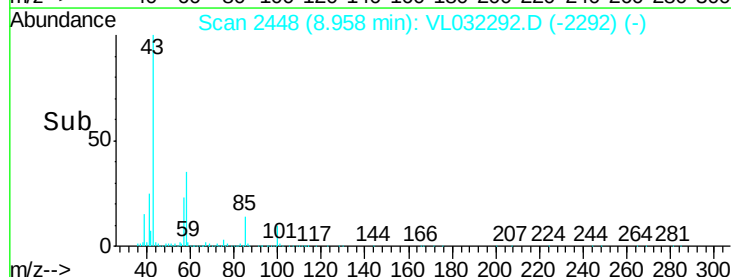
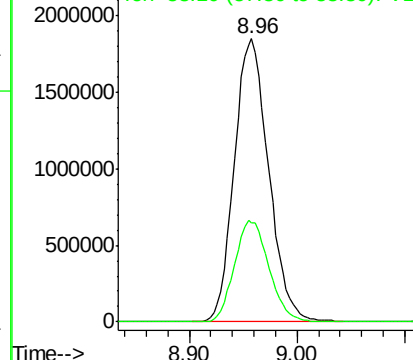
Ion Ratio Lower Upper

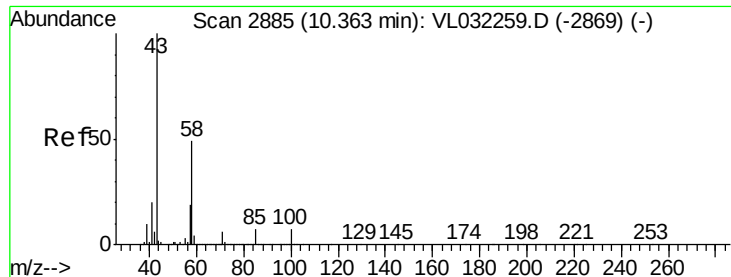
43 100

58 36.1 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.29 ppbv

RT: 10.36 min Scan# 2884

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 43 Resp: 3248966

Ion Ratio Lower Upper

43 100

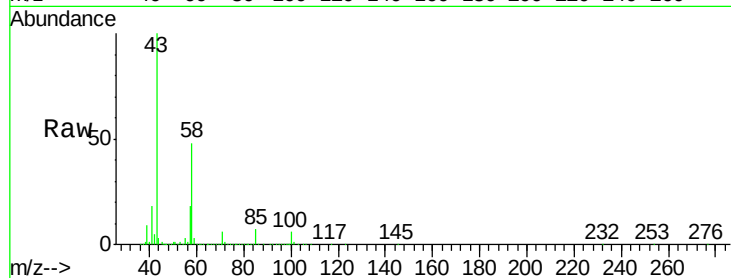
58 48.4 39.4 59.2

98 0.4 0.2 0.2#

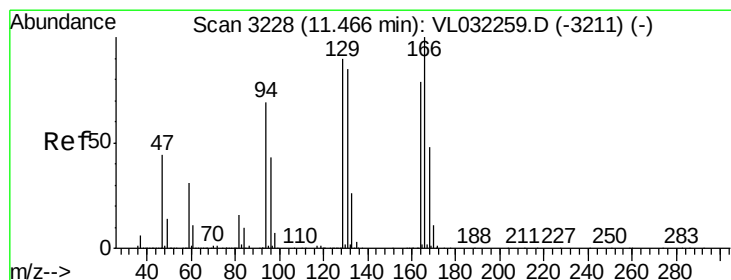
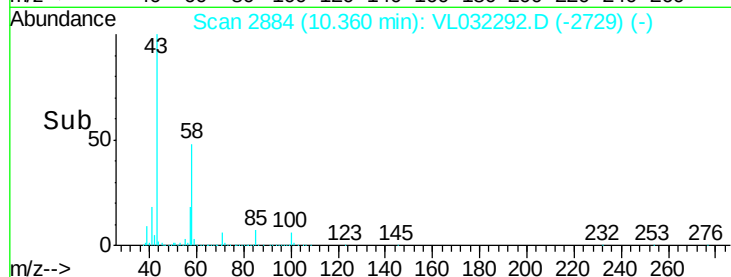
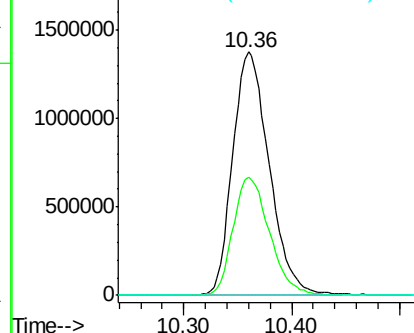
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.93 ppbv

RT: 11.46 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion: 164 Resp: 1229321

Ion Ratio Lower Upper

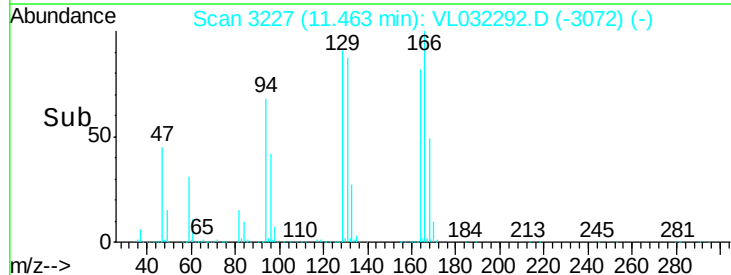
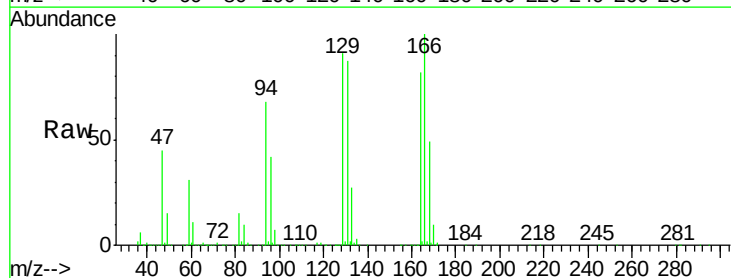
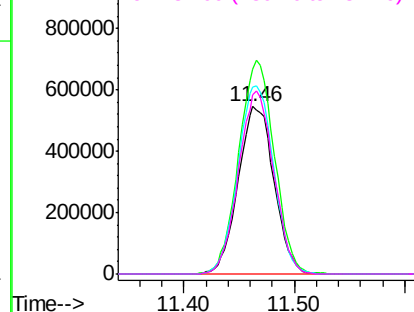
164 100

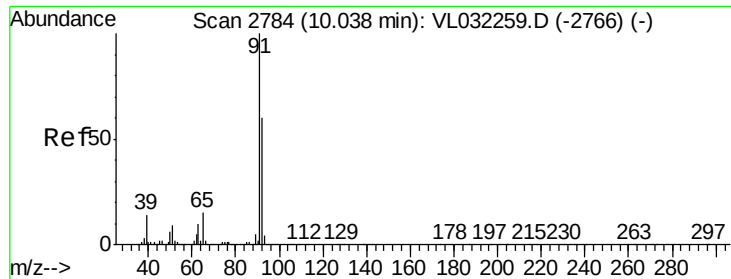
166 122.2 101.7 152.5

129 111.8 91.5 137.3

131 106.9 86.6 129.8

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





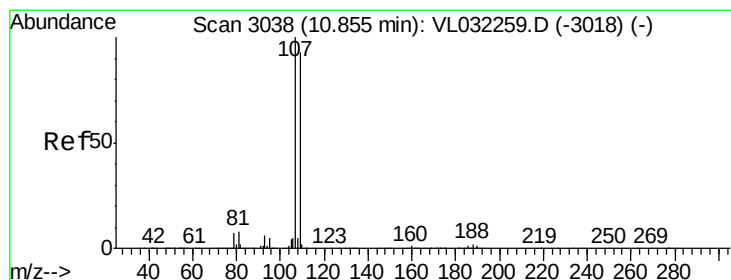
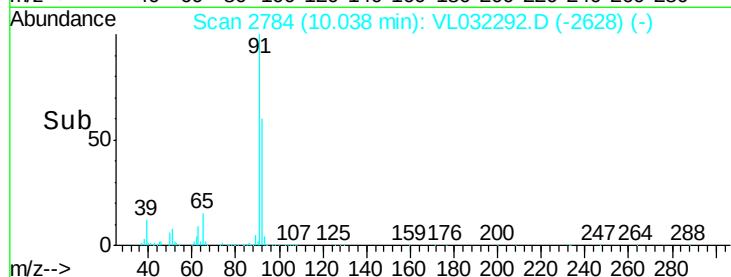
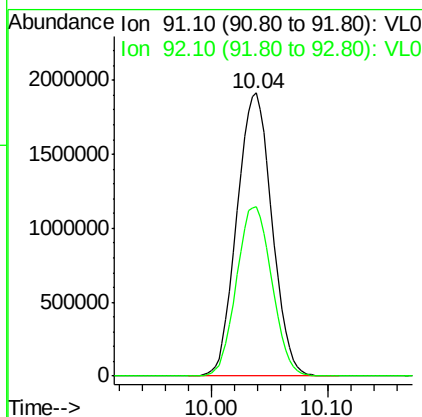
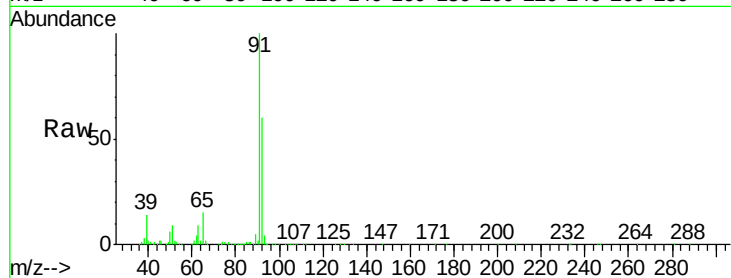
#53
Toluene
Concen: 10.07 ppbv
RT: 10.04 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion: 91 Resp: 4018729
Ion Ratio Lower Upper
91 100
92 60.5 48.6 72.8

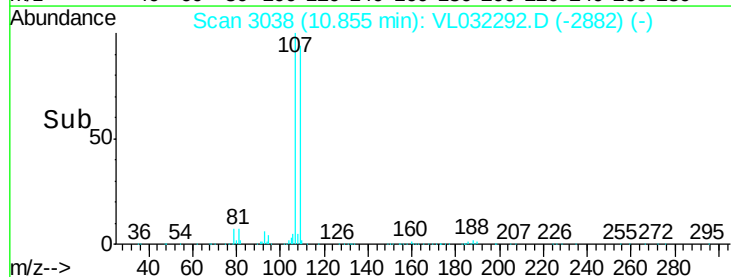
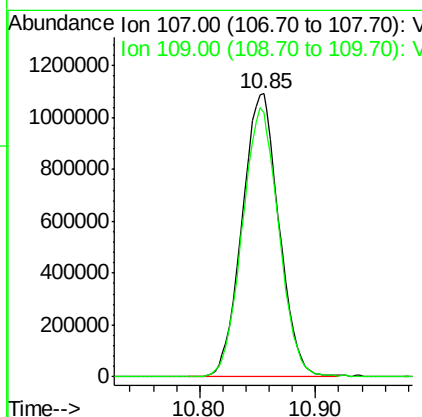
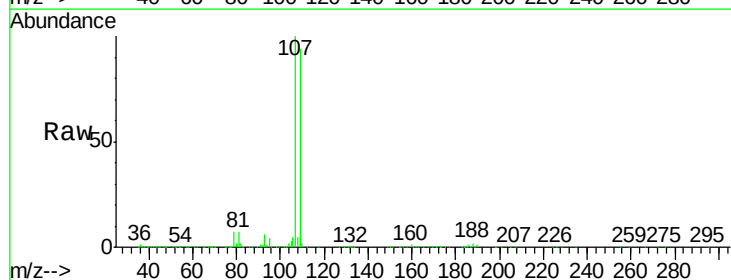
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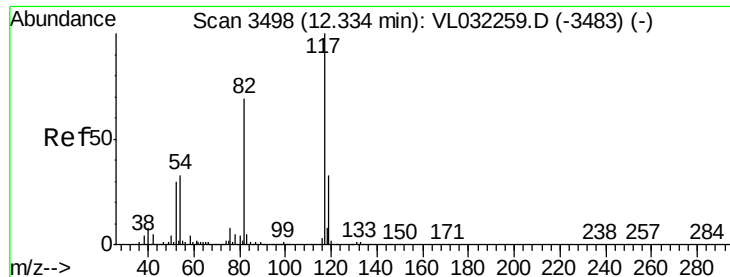
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#54
1,2-Dibromoethane
Concen: 11.63 ppbv
RT: 10.85 min Scan# 3038
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion: 107 Resp: 2417053
Ion Ratio Lower Upper
107 100
109 93.5 74.8 112.2





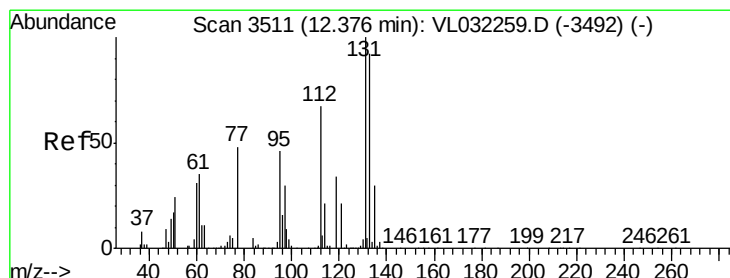
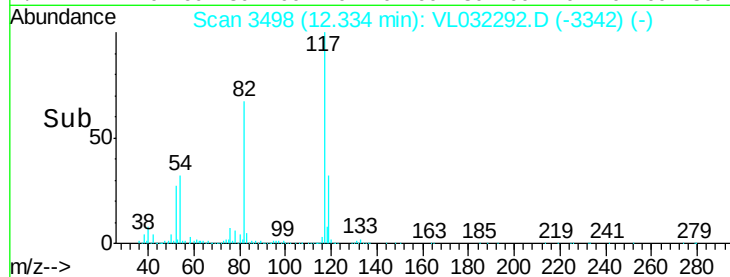
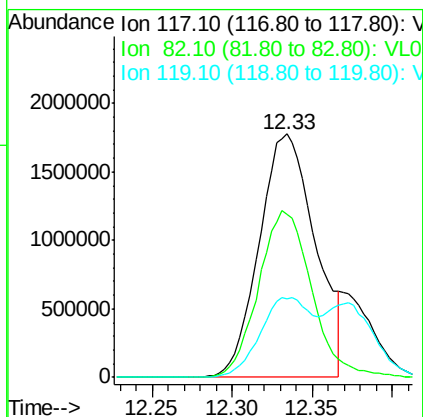
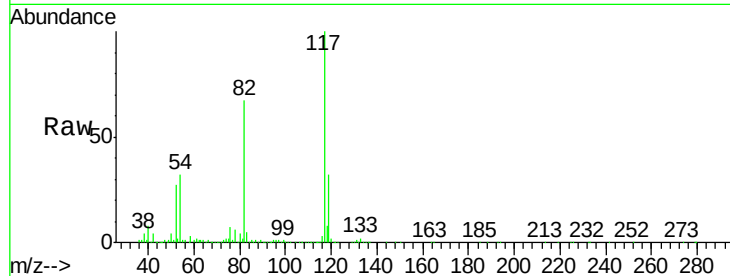
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion:117 Resp: 4336392
Ion Ratio Lower Upper
117 100
82 65.0 53.9 80.9
119 57.1 25.5 38.3#

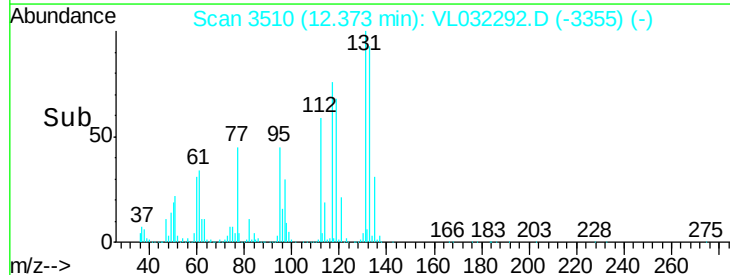
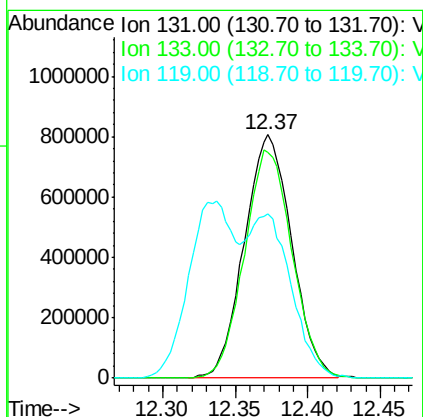
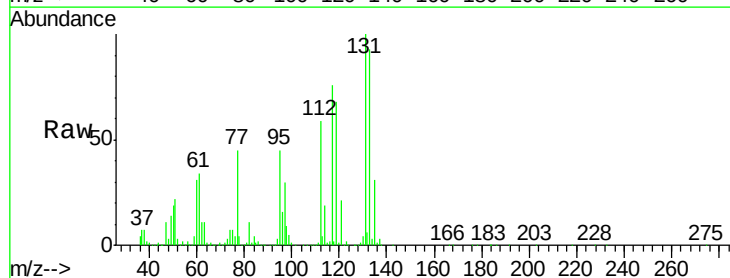
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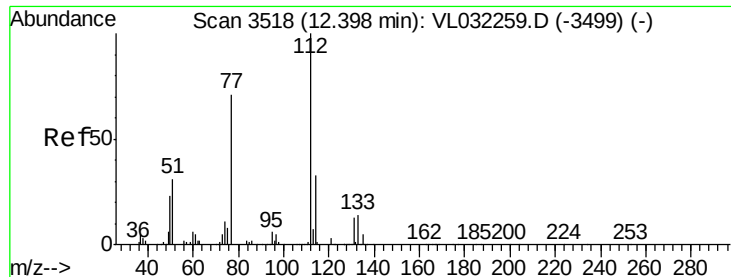
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.47 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion:131 Resp: 1828523
Ion Ratio Lower Upper
131 100
133 95.1 75.4 113.0
119 58.8 49.4 74.2





#57

Chlorobenzene

Concen: 9.50 ppbv

RT: 12.40 min Scan# 3517

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 112 Resp: 3377952

Ion Ratio Lower Upper

112 100

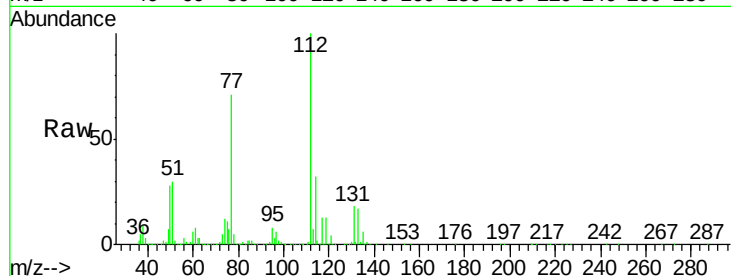
77 70.6 58.2 87.4

114 31.5 29.5 36.1

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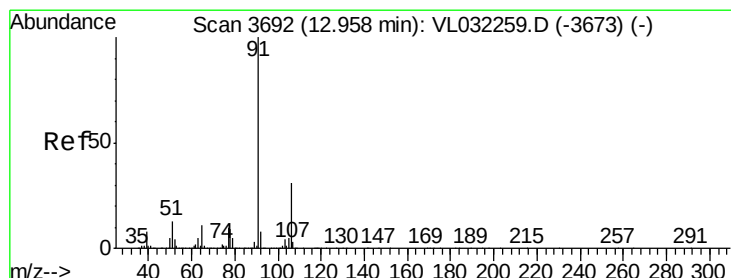
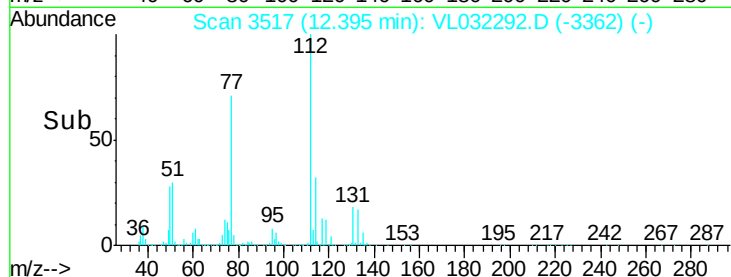
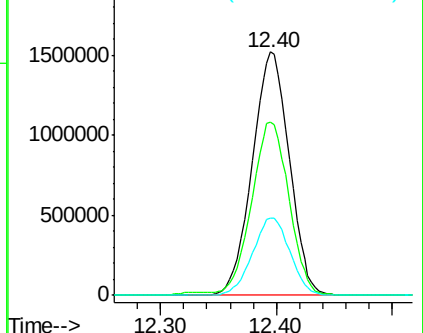
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.19 ppbv

RT: 12.96 min Scan# 3692

Delta R.T. 0.00 min

Lab File: VL032292.D

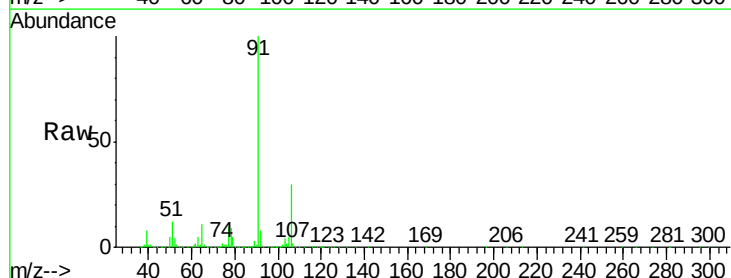
Acq: 19 Jul 2018 17:33

Tgt Ion: 91 Resp: 6226430

Ion Ratio Lower Upper

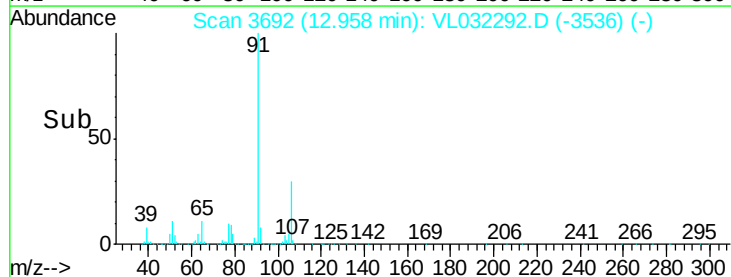
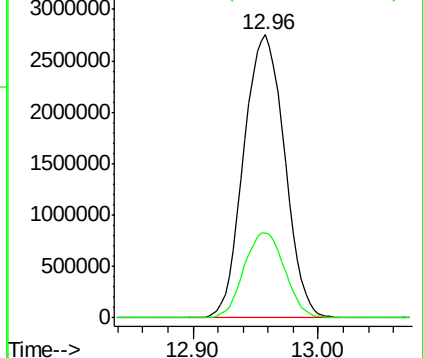
91 100

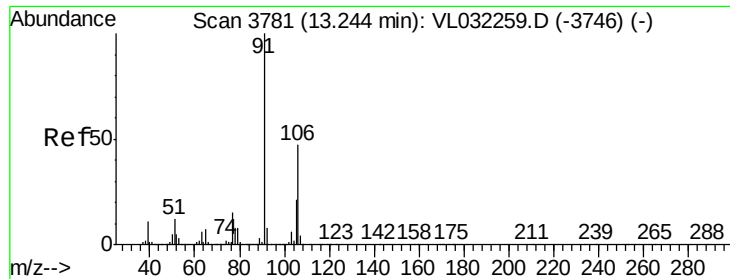
106 30.0 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





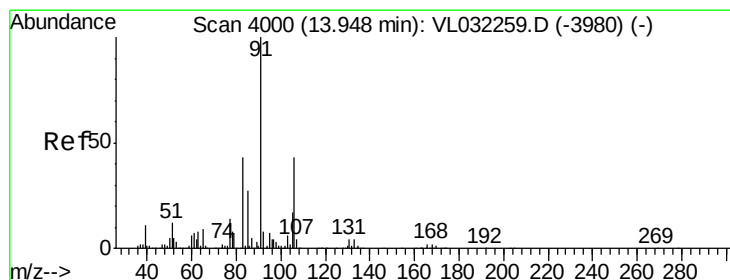
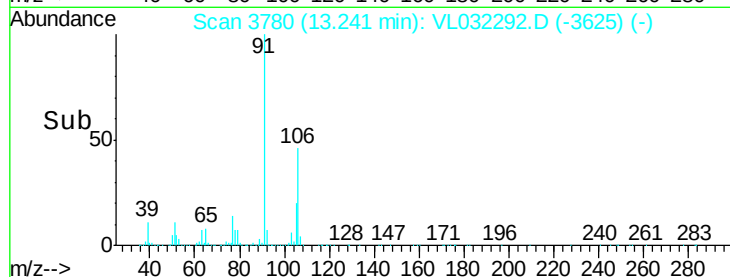
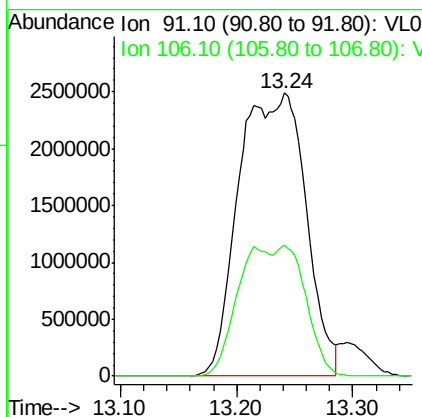
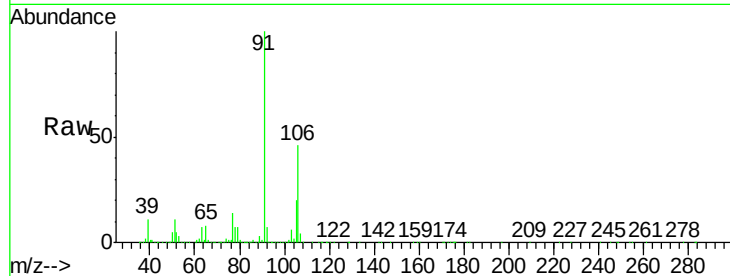
#59
m/p-Xylene
Concen: 19.14 ppbv m
RT: 13.24 min Scan# 3780
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion: 91 Resp: 9979811
Ion Ratio Lower Upper
91 100
106 45.7 36.2 54.2

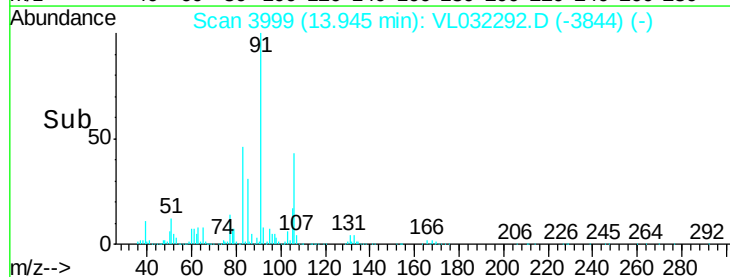
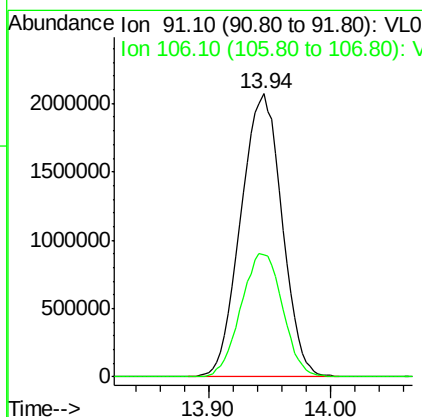
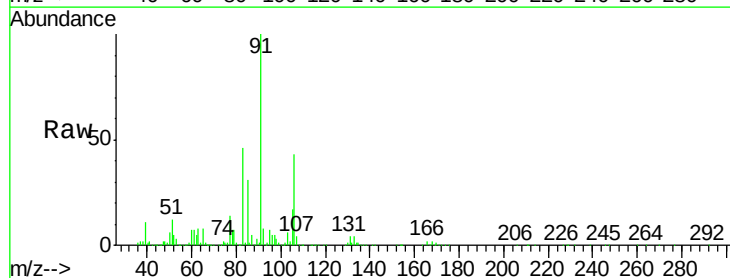
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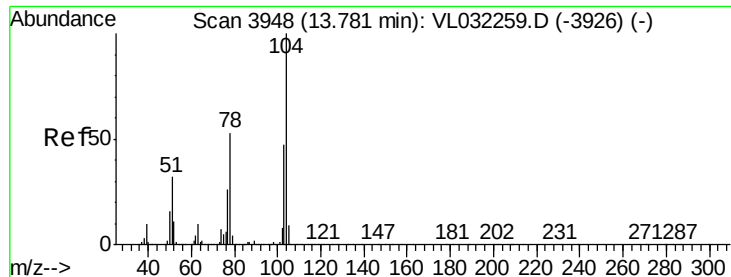
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#60
o-Xylene
Concen: 9.30 ppbv
RT: 13.94 min Scan# 3999
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion: 91 Resp: 4827575
Ion Ratio Lower Upper
91 100
106 44.1 21.7 65.1





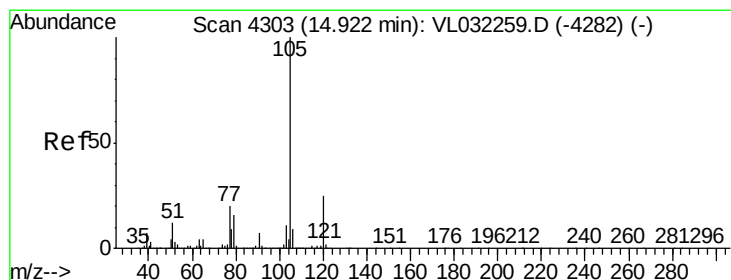
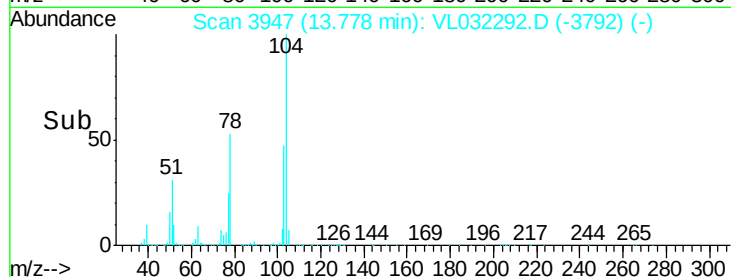
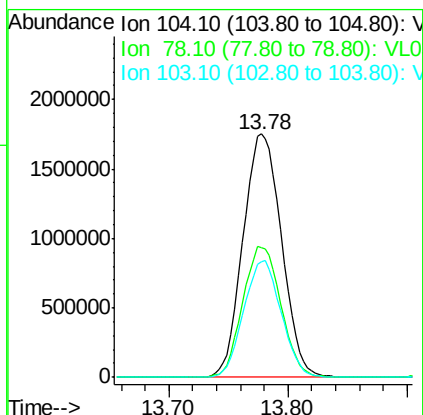
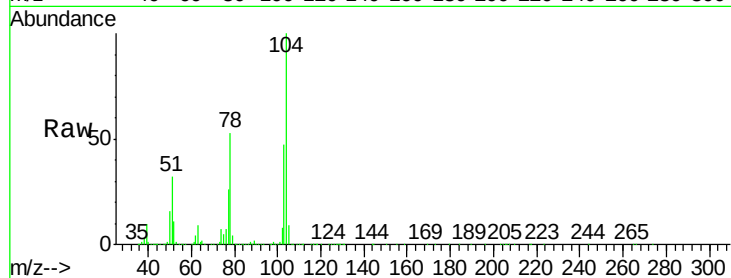
#61
Stvrene
Concen: 10.20 ppbv
RT: 13.78 min Scan# 3947
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.2	64.8
103	47.0	37.8	56.6

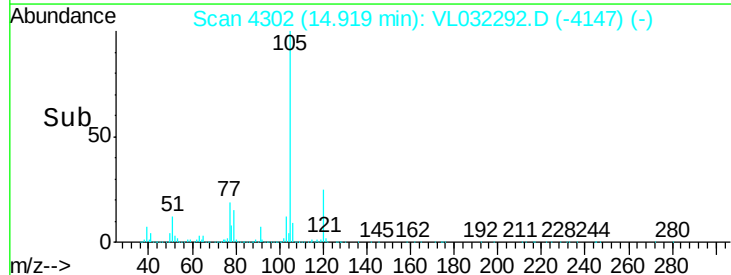
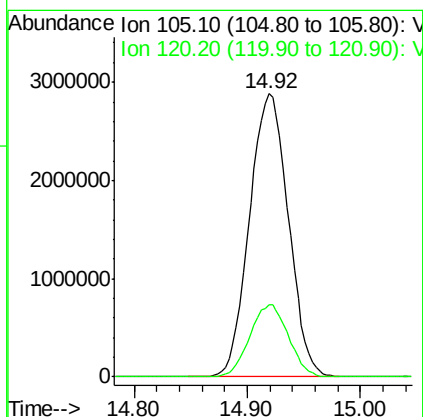
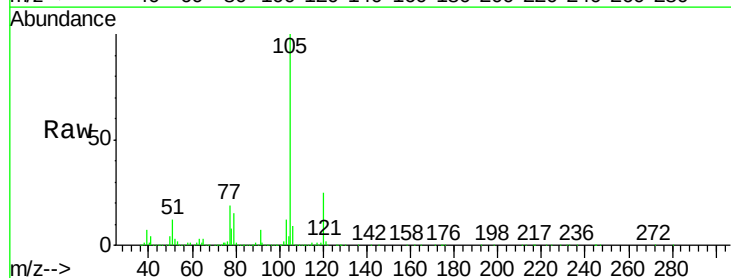
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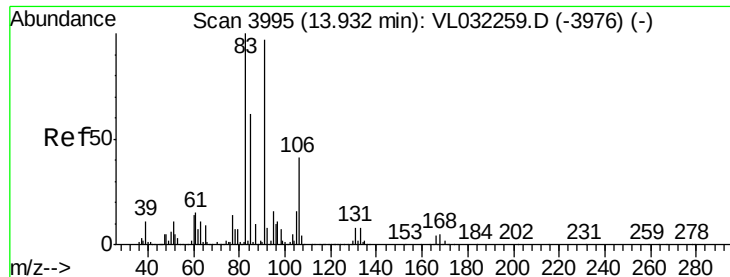
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#62
Isopropylbenzene
Concen: 9.23 ppbv
RT: 14.92 min Scan# 4302
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.2	30.4





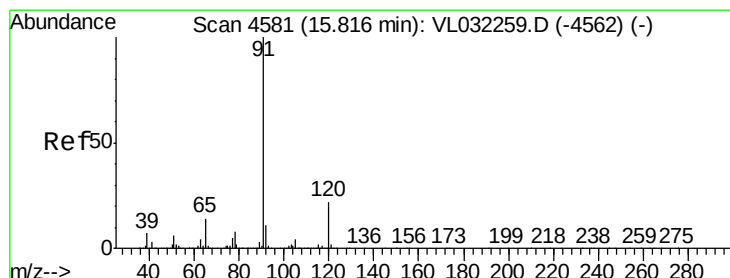
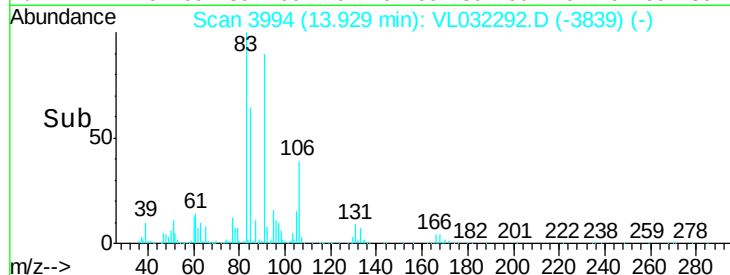
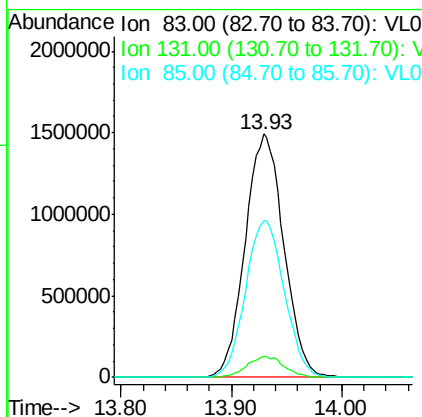
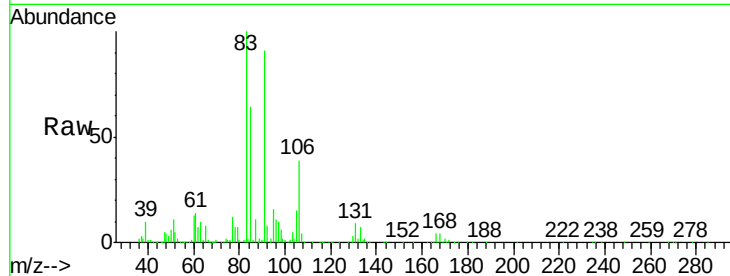
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.15 ppbv
 RT: 13.93 min Scan# 3994
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0719ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.2	12.6
85	65.2	32.2	96.6

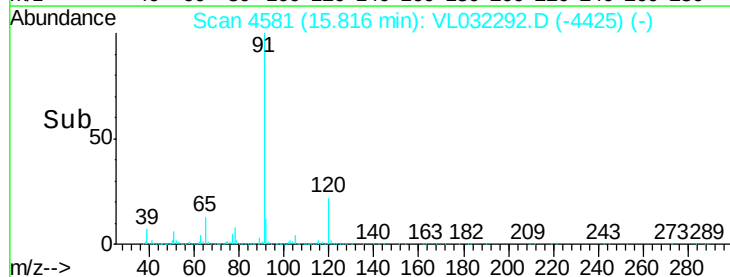
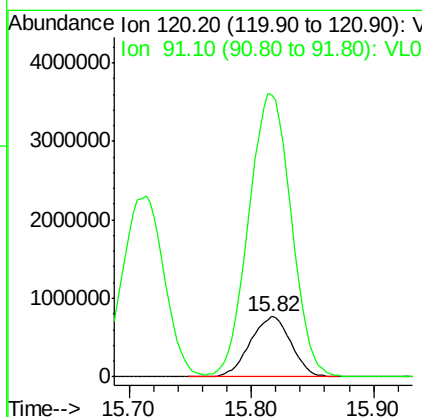
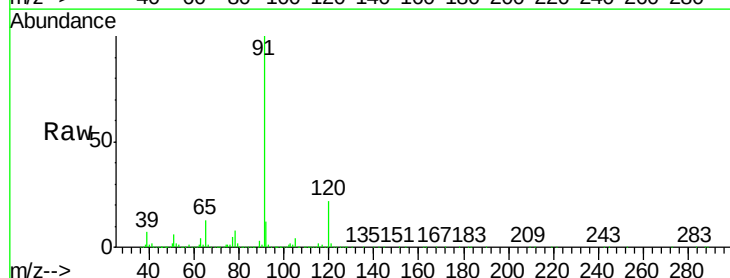
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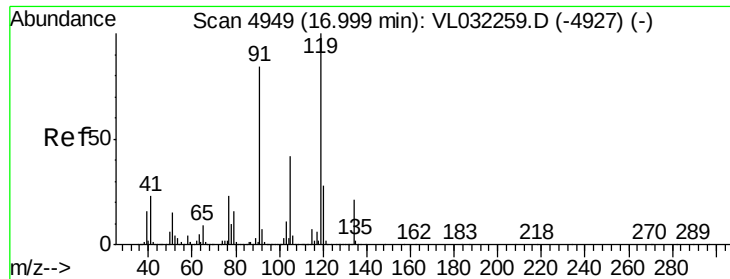
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#64
 n-propylbenzene
 Concen: 9.33 ppbv
 RT: 15.82 min Scan# 4581
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion	Ratio	Lower	Upper
120	100		
91	489.2	384.4	576.6





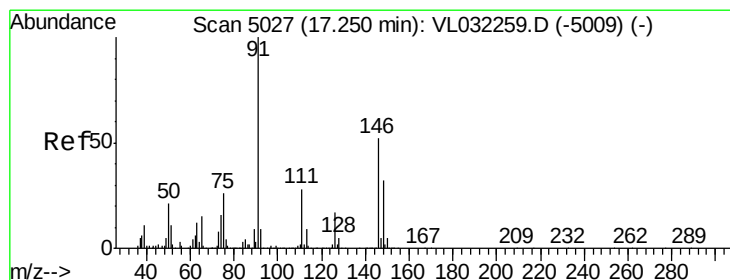
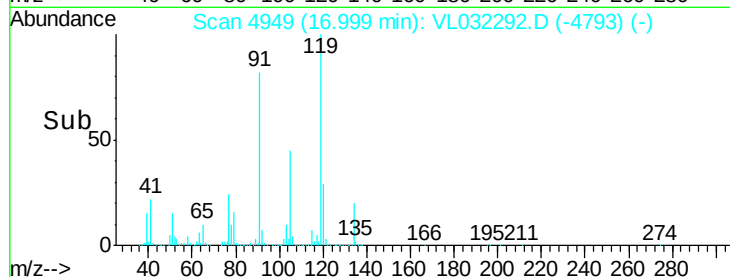
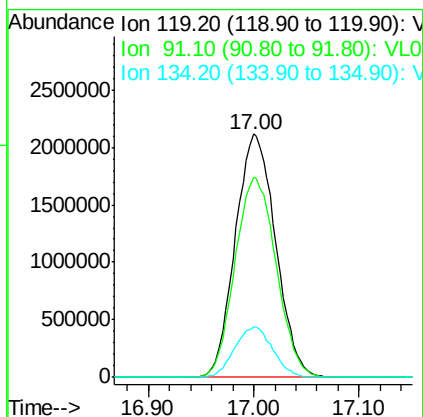
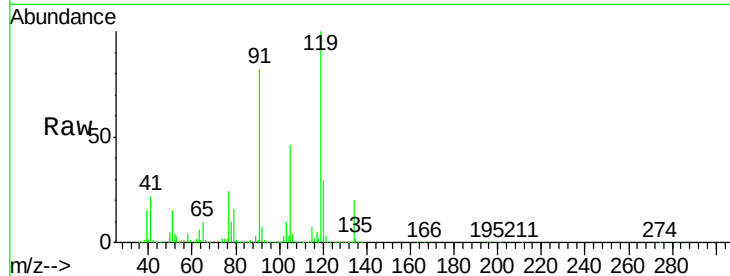
#65
tert-Butylbenzene
Concen: 8.84 ppbv
RT: 17.00 min Scan# 4949
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL0719ABS01

Tot Ion: 119 Resp: 5603219
Ion Ratio Lower Upper
119 100
91 84.3 68.2 102.4
134 19.7 15.6 23.4

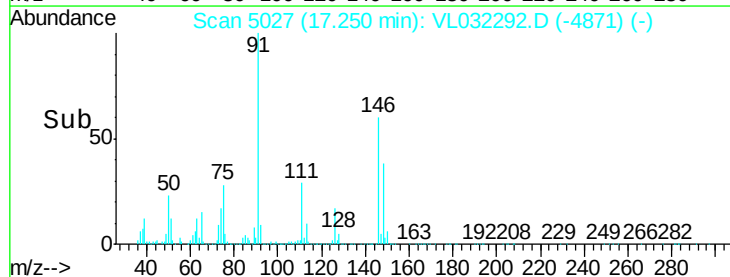
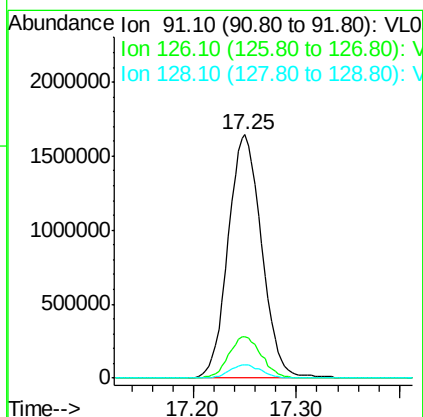
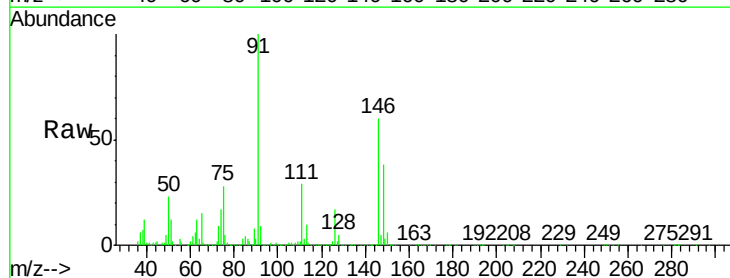
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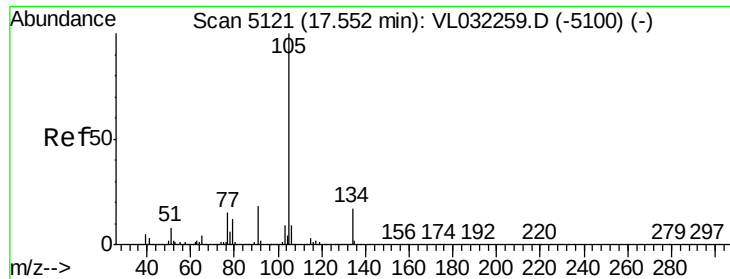
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#66
Benzyl Chloride
Concen: 10.39 ppbv
RT: 17.25 min Scan# 5027
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion: 91 Resp: 3708885
Ion Ratio Lower Upper
91 100
126 16.7 13.4 20.2
128 5.3 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.93 ppbv

RT: 17.55 min Scan# 5121

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 105 Resp: 8453201

Ion Ratio Lower Upper

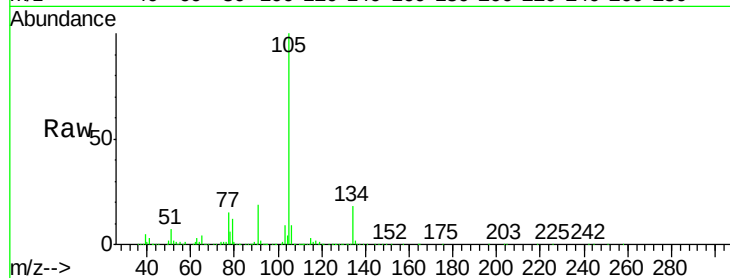
105 100

134 17.7 14.0 21.0

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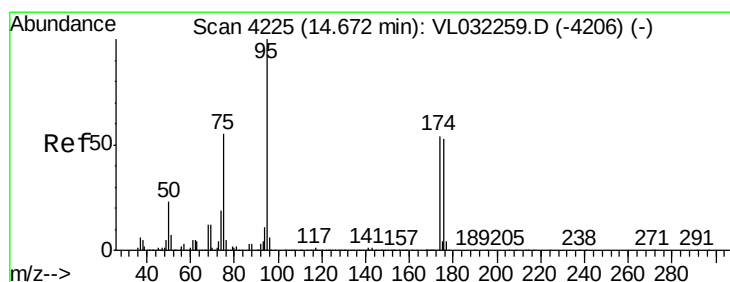
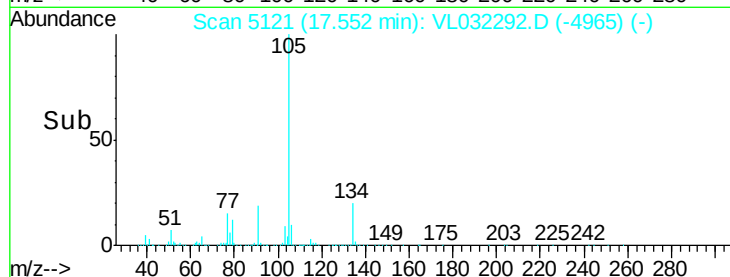
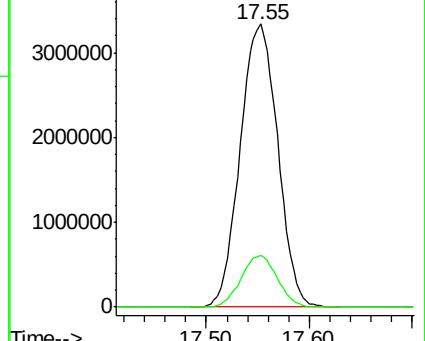
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.10 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

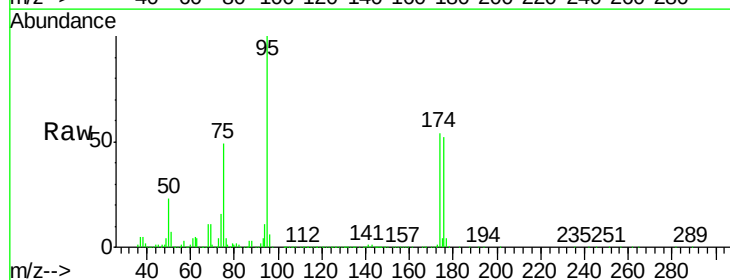
Tgt Ion: 95 Resp: 3199727

Ion Ratio Lower Upper

95 100

174 56.0 44.3 66.5

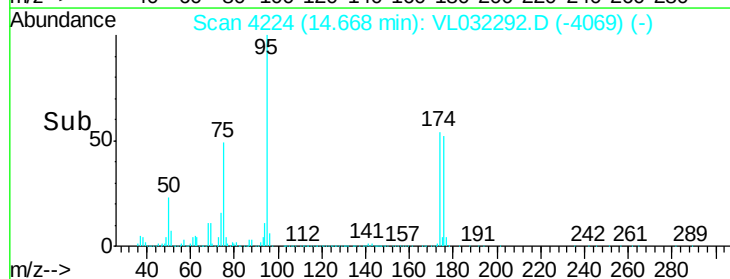
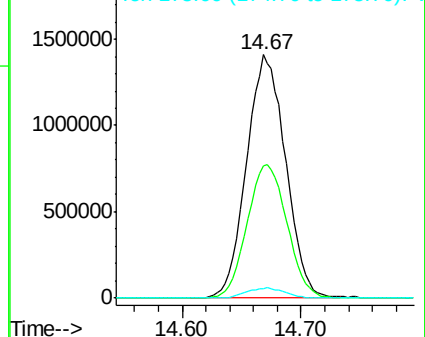
175 4.1 3.3 4.9

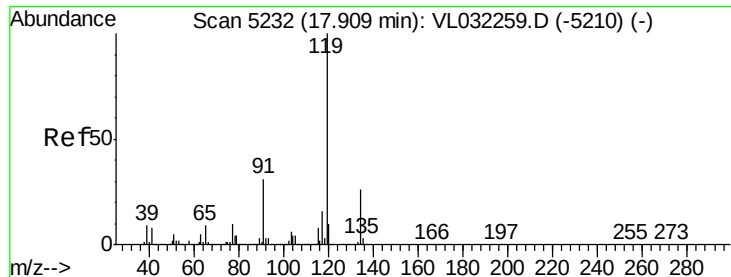


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





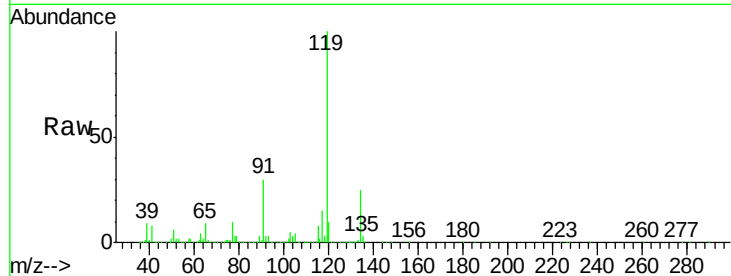
#69
 p-Isopropyltoluene
 Concen: 9.20 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0719ABS01

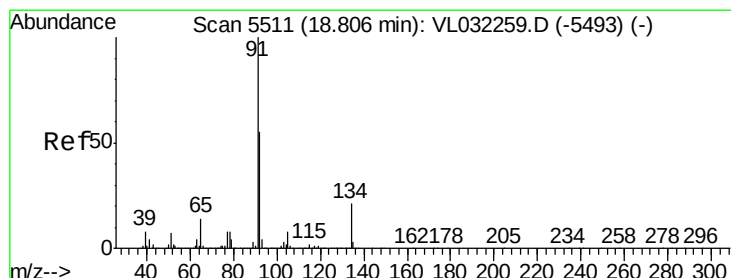
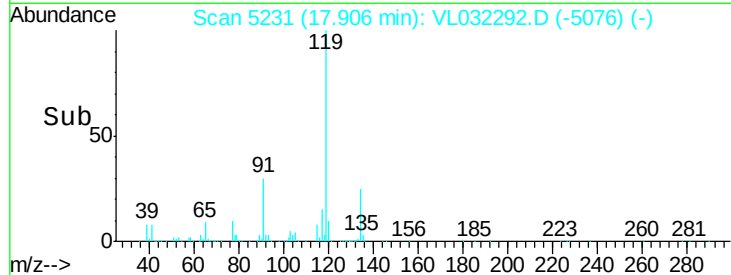
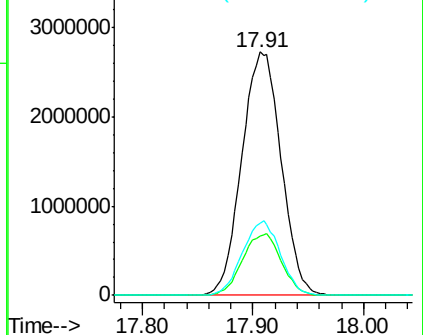
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.5	24.1	36.1

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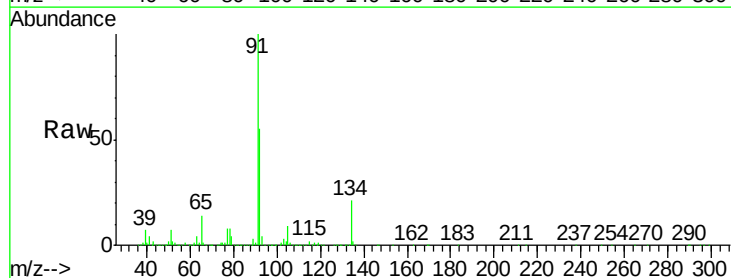


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

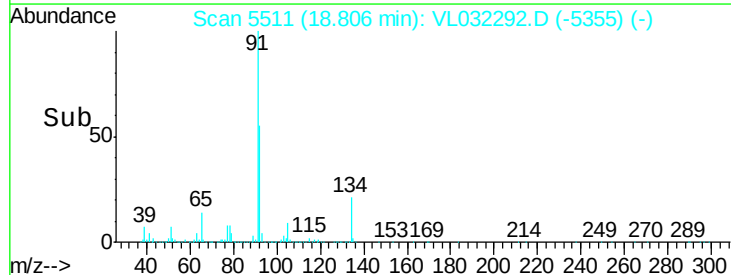
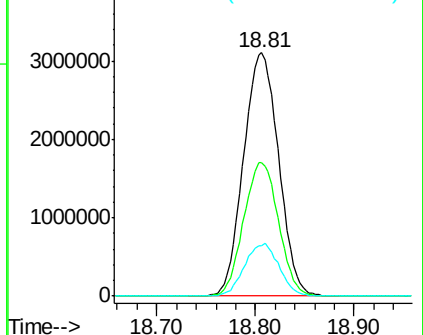


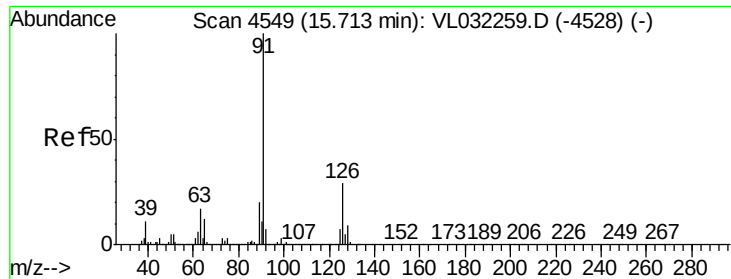
#70
 n-Butylbenzene
 Concen: 9.35 ppbv
 RT: 18.81 min Scan# 5511
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.6
134	21.3	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: 9.17 ppbv

RT: 15.71 min Scan# 4549

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion: 91 Resp: 5471465

Ion Ratio Lower Upper

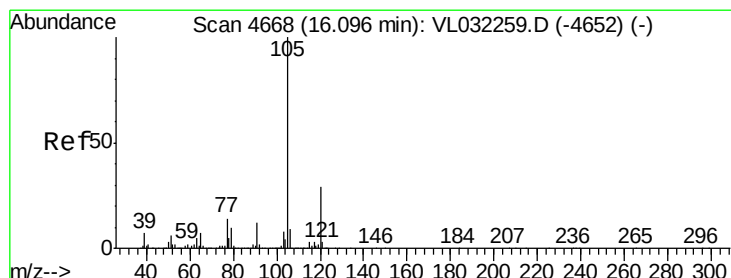
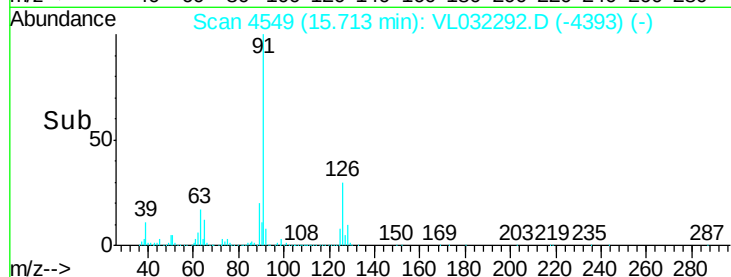
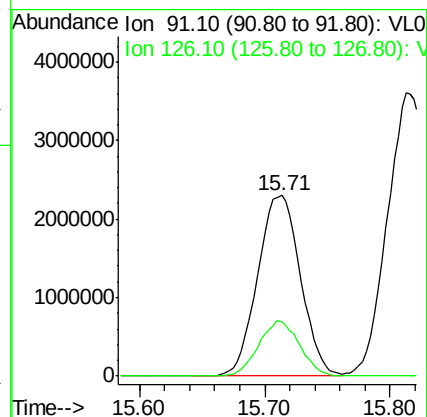
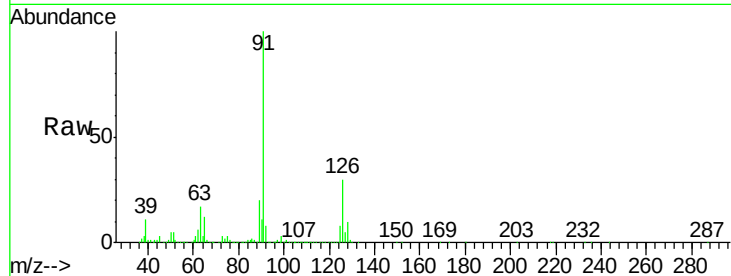
91 100

126 29.3 11.6 46.2

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#72

4-Ethyltoluene

Concen: 9.56 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion: 105 Resp: 5735159

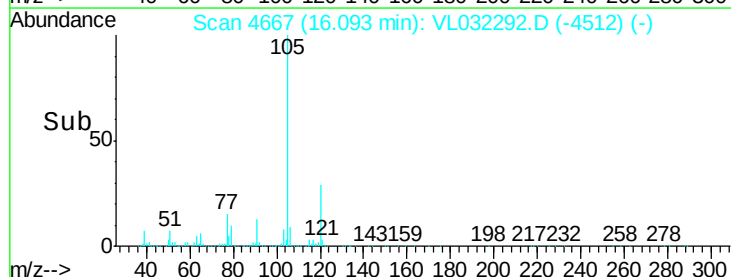
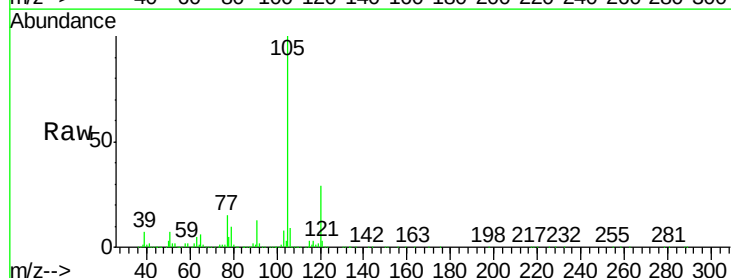
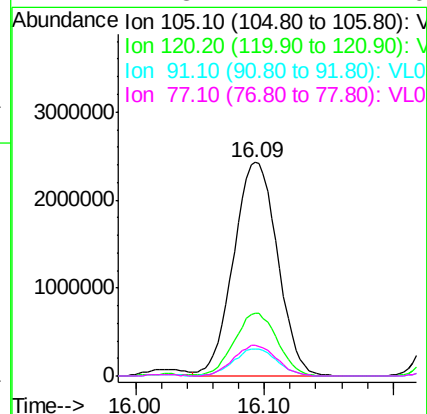
Ion Ratio Lower Upper

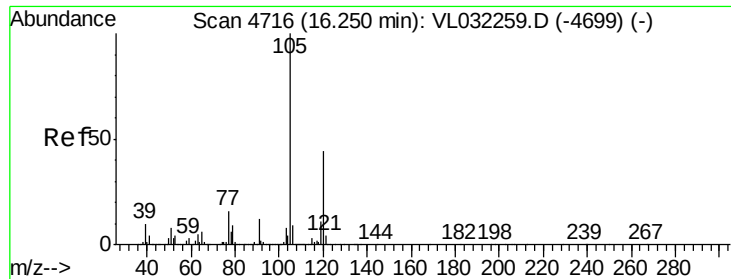
105 100

120 29.0 23.0 34.6

91 12.5 10.1 15.1

77 14.3 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 9.25 ppbv

RT: 16.25 min Scan# 4715

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion:105 Resp: 5423191

Ion Ratio Lower Upper

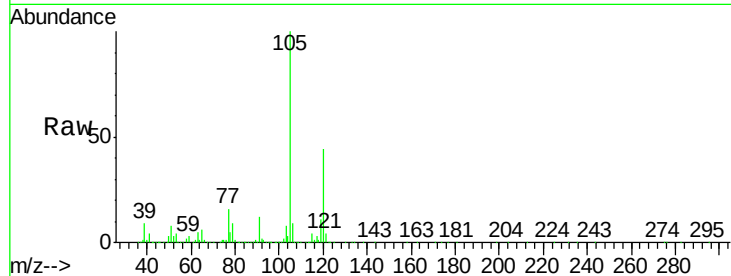
105 100

120 44.0 35.5 53.3

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

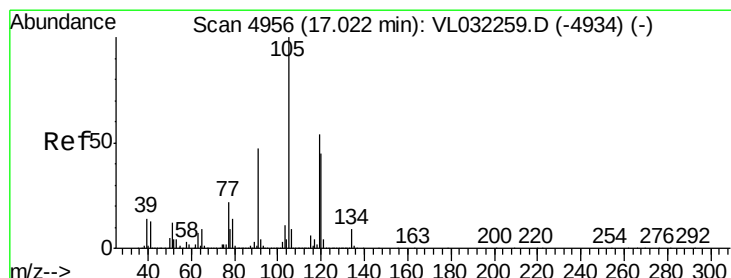
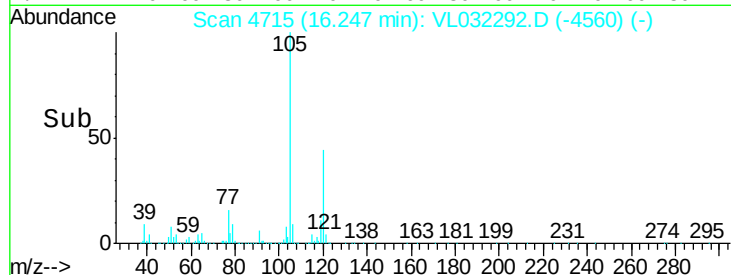
1000000

500000

0

16.20 16.25 16.30

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.70 ppbv

RT: 17.02 min Scan# 4955

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion:105 Resp: 5340289

Ion Ratio Lower Upper

105 100

120 47.0 35.8 53.6

91 50.2 38.2 57.4

77 22.3 17.5 26.3

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

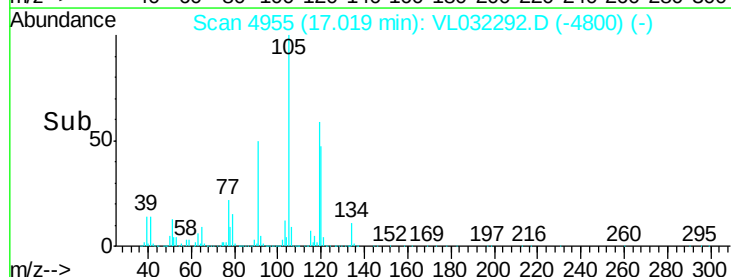
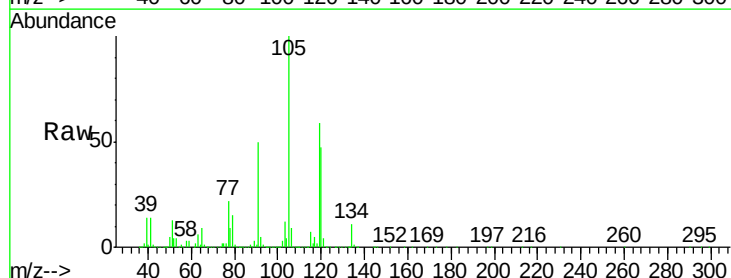
2000000

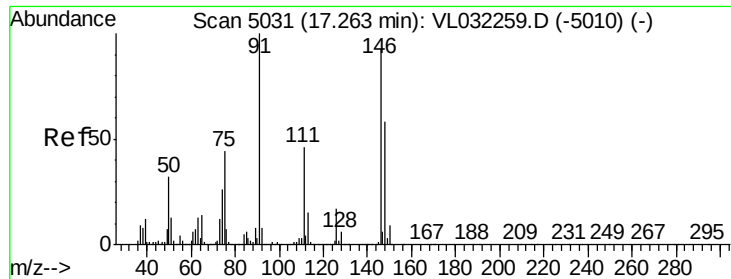
1000000

0

16.90 17.00 17.10

Time-->





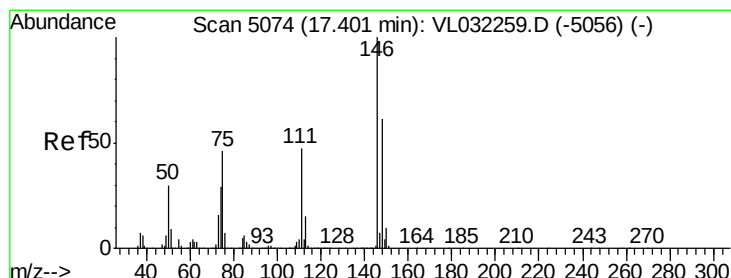
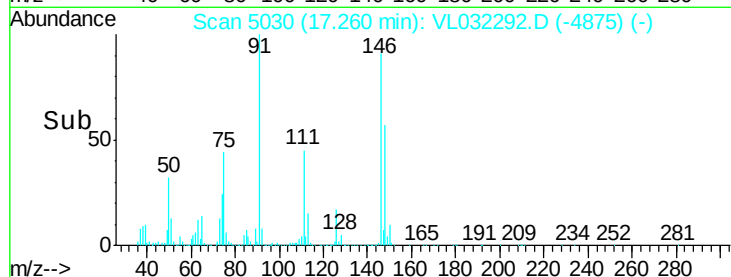
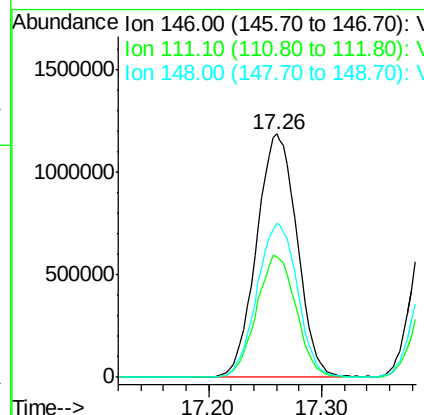
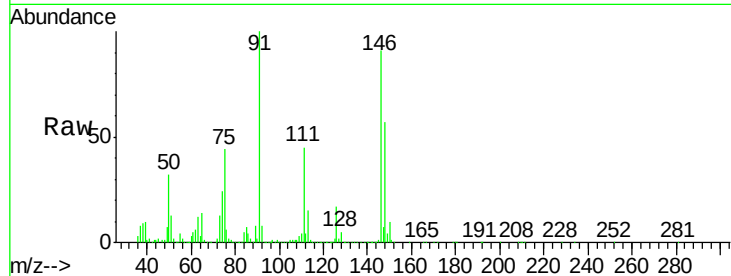
#75
 1,3-Dichlorobenzene
 Concen: 8.61 ppbv
 RT: 17.26 min Scan# 5030
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0719ABS01

Tot Ion:146 Resp: 2938132
 Ion Ratio Lower Upper
 146 100
 111 49.2 25.1 75.4
 148 63.4 31.8 95.3

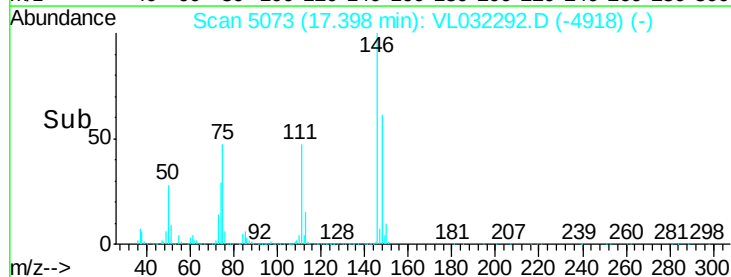
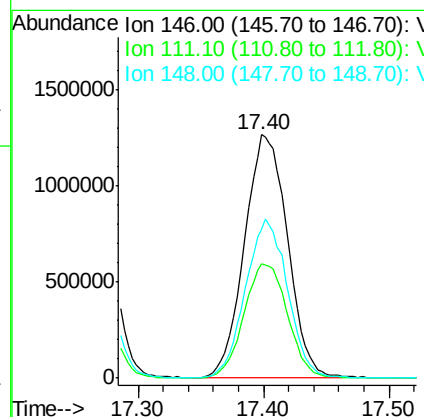
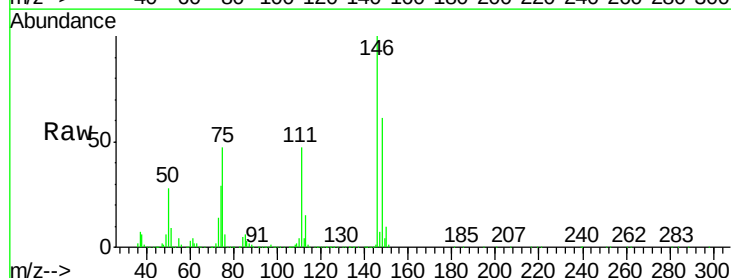
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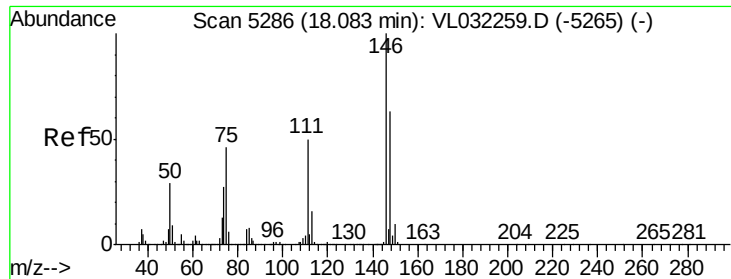
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#76
 1,4-Dichlorobenzene
 Concen: 8.87 ppbv
 RT: 17.40 min Scan# 5073
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion:146 Resp: 3002138
 Ion Ratio Lower Upper
 146 100
 111 48.0 24.1 72.2
 148 64.4 31.9 95.9





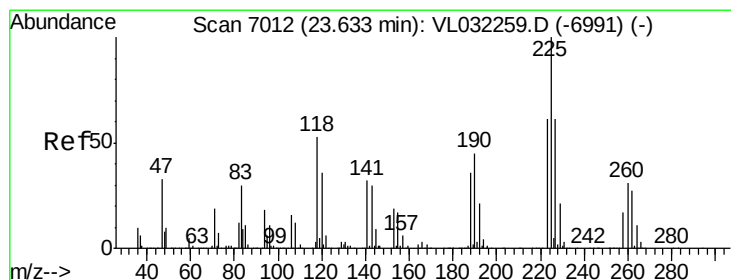
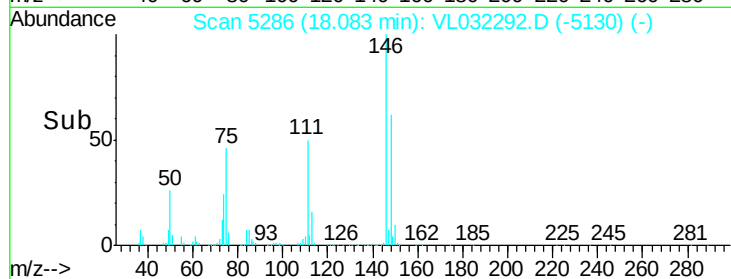
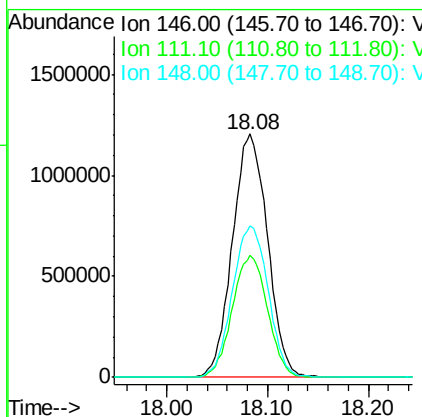
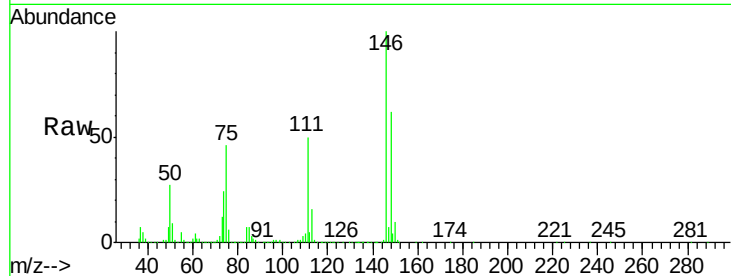
#77
 1,2-Dichlorobenzene
 Concen: 8.83 ppbv
 RT: 18.08 min Scan# 5286
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0719ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.5	25.6	76.8
148	63.6	31.9	95.5

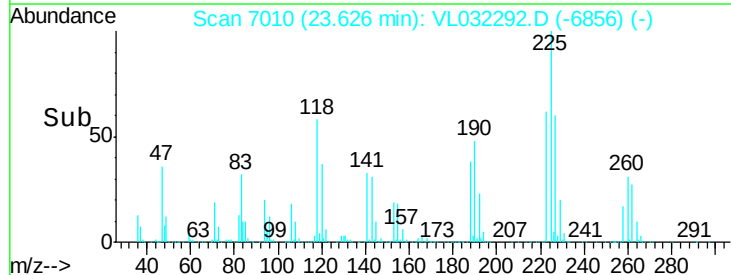
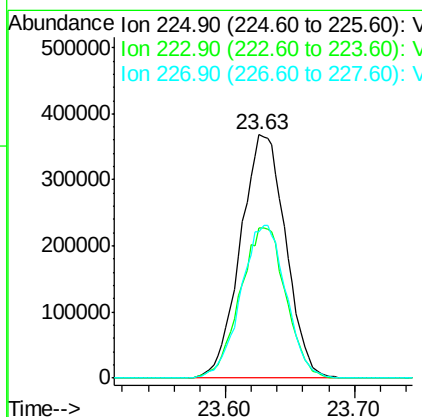
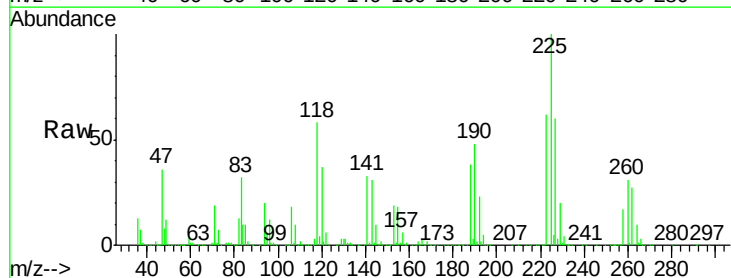
Manual Integrations
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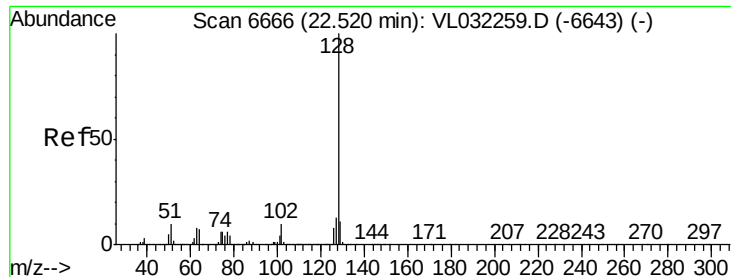
MMDadoda
 7/20/2018 2:06:13 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.40 ppbv
 RT: 23.63 min Scan# 7010
 Delta R.T. -0.01 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8
227	62.8	51.5	77.3





#79

Naphthalene

Concen: 10.00 ppbv

RT: 22.52 min Scan# 6666

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL0719ABS01

Tot Ion:128 Resp: 5156785

Ion Ratio Lower Upper

128 100

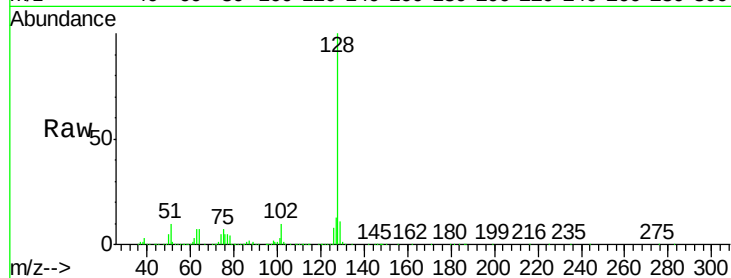
127 12.7 10.5 15.7

129 10.9 8.6 12.8

Manual Integrations
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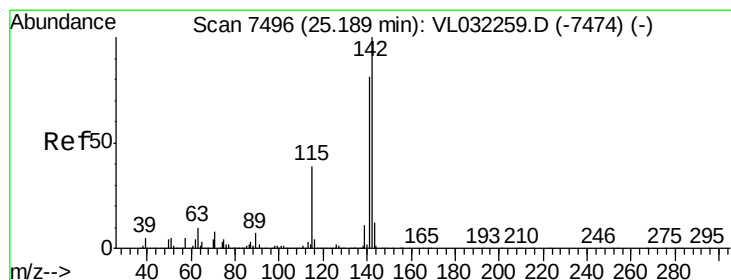
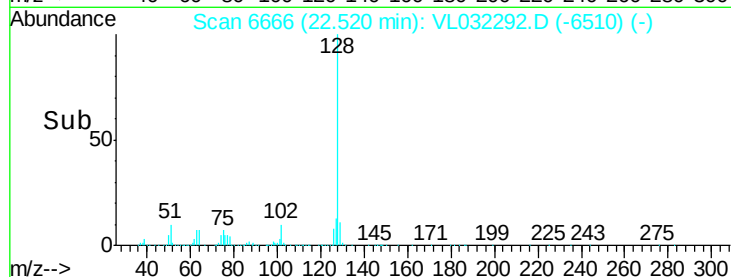
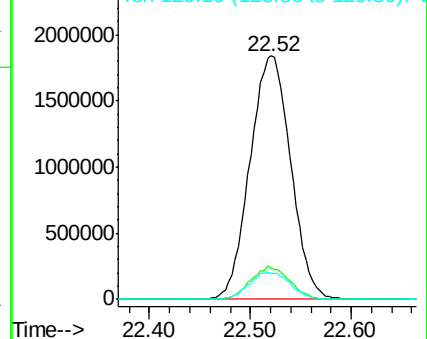
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.43 ppbv

RT: 25.18 min Scan# 7494

Delta R.T. -0.01 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

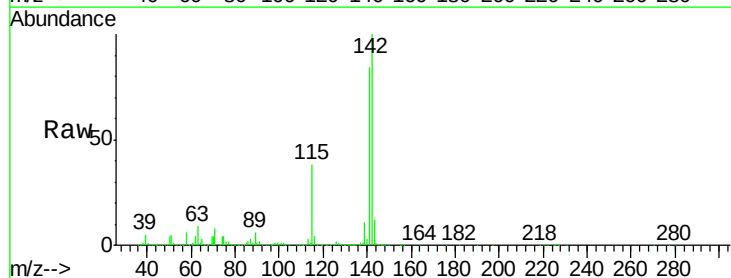
Tgt Ion:142 Resp: 2502733

Ion Ratio Lower Upper

142 100

141 83.1 67.1 100.7

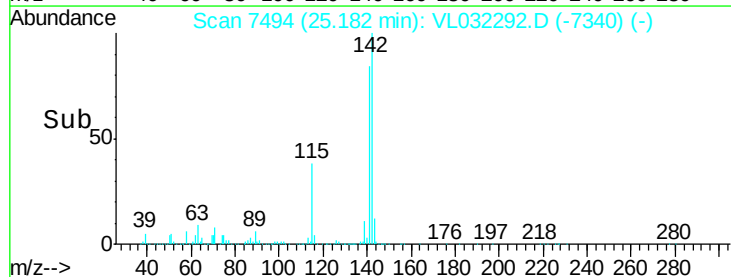
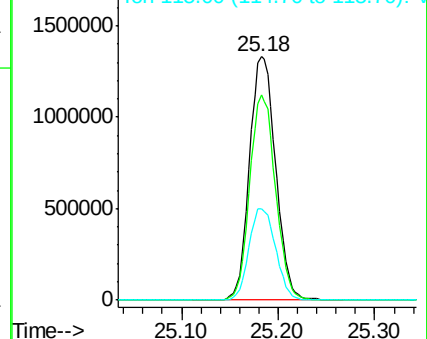
115 38.5 32.5 48.7

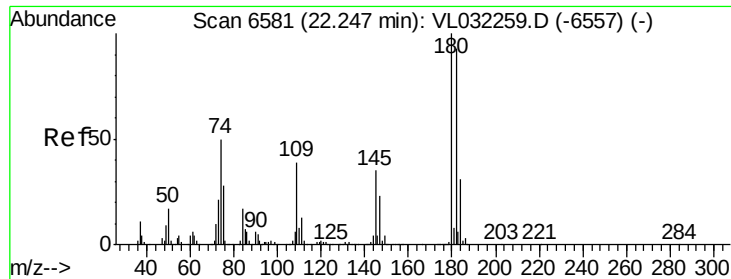


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.68 ppbv
 RT: 22.25 min Scan# 6581
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0719ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	114.8
184	30.3	24.4	36.6

Manual Integrations
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