

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\
 Data File : VL033110.D
 Acq On : 17 Jan 2019 3:12
 Operator : SY/AP
 Sample : IDOC-3
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IDOC-3

Manual Integrations
 APPROVED

sam
 1/21/2019 8:51:32 AM

Quant Time: Jan 17 04:08:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1109098	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2791480	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2822633m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1996467	9.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	2303618	11.161	ppbv	100
3) Chlorodifluoromethane	3.01	51	1277295	10.174	ppbv	99
4) Chloromethane	3.17	50	705885	9.816	ppbv	97
5) Vinyl Chloride	3.29	62	725941	9.996	ppbv	100
6) Bromomethane	3.51	94	483751	9.805	ppbv	97
7) Chloroethane	3.60	64	280274	9.869	ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	1811065	10.186	ppbv	99
9) Propene	3.04	41	538408	11.480	ppbv	100
10) Heptane	8.25	43	1389043	10.402	ppbv	99
11) Trichlorofluoromethane	4.00	101	1946950	8.536	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1334752	9.255	ppbv	100
13) Ethanol	3.65	45	94097	5.031	ppbv	95
14) Bromoethene	3.79	108	622935	9.780	ppbv	98
15) Acetone	3.90	43	1434119	9.342	ppbv	99
16) 1,3-Butadiene	3.36	39	597305	10.318	ppbv	97
17) tert-Butyl alcohol	4.35	59	285970	8.794	ppbv	100
18) 1,1-Dichloroethene	4.35	96	624297	9.398	ppbv	98
19) Isopropyl Alcohol	4.02	45	694645	6.573	ppbv	100
20) Methylene Chloride	4.41	84	538216	8.410	ppbv	95
21) Allyl Chloride	4.48	41	997092	10.481	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	632118	9.599	ppbv	92
23) Vinyl Acetate	5.16	43	2079511	10.648	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1552446	9.362	ppbv	99
25) Ethyl Acetate	5.77	43	2427078	9.353	ppbv	100
26) Hexane	5.78	57	1134976	9.289	ppbv	100
27) Carbon Disulfide	4.62	76	1556362	10.328	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1952265	10.236	ppbv	100
29) Chloroform	5.85	83	1895370	9.103	ppbv	98
30) Cyclohexane	7.25	84	980896	10.767	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1189484	10.484	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1990622	9.420	ppbv	100
34) 2-Butanone	5.33	43	1581470	9.751	ppbv	100
35) Carbon Tetrachloride	7.13	117	2164010	9.025	ppbv	96
36) Benzene	7.01	78	2361065	10.325	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1458554	9.136	ppbv	100
38) Trichloroethene	7.96	130	948886	10.087	ppbv	96
39) 1,2-Dichloropropane	7.74	63	850610	9.902	ppbv	97
40) 1,4-Dioxane	7.95	88	284745	8.732	ppbv #	1
41) Tetrahydrofuran	6.15	42	863036	10.454	ppbv	100
42) Bromodichloromethane	7.92	83	2024177	9.229	ppbv	99
43) Methyl Methacrylate	8.14	69	919849	10.721	ppbv	99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3827094	9.883	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1231882	11.534	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1441555	11.826	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	939276	9.359	ppbv	98
48) Dibromochloromethane	10.45	129	1738660	9.805	ppbv	99
49) Bromoform	13.20	173	1386495	8.950	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2163045	10.525	ppbv	100
51) 2-Hexanone	10.27	43	1624216	10.922	ppbv #	100
52) Tetrachloroethene	11.37	164	817472	10.114	ppbv	98
53) Toluene	9.95	91	2657626	10.845	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1444358	9.989	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1200241	8.230	ppbv	97
57) Chlorobenzene	12.30	112	1994388	8.465	ppbv	97
58) Ethyl Benzene	12.86	91	3471220	9.740	ppbv	97
59) m/p-Xylene	13.12	91	5861671m	17.780	ppbv	
60) o-Xylene	13.85	91	2816933	8.728	ppbv	100
61) Styrene	13.69	104	2106184	10.227	ppbv	100
62) Isopropylbenzene	14.83	105	3959925	8.622	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1878623	7.836	ppbv	99
64) n-propylbenzene	15.72	120	1003825	8.603	ppbv	99
65) tert-Butylbenzene	16.91	119	3504234	8.613	ppbv	100
66) Benzyl Chloride	17.15	91	2019642	8.710	ppbv	100
67) sec-Butylbenzene	17.46	105	4962853	8.524	ppbv	100
69) p-Isopropyltoluene	17.82	119	4187276	8.861	ppbv	100
70) n-Butylbenzene	18.71	91	4314789	9.083	ppbv	99
71) 2-Chlorotoluene	15.62	91	2924730	8.979	ppbv	100
72) 4-Ethyltoluene	16.00	105	3218681	9.075	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3076552	8.791	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3221629	8.312	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1853667	8.125	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1824797	8.781	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1839478	8.953	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1247348	7.905	ppbv	99
79) Naphthalene	22.41	128	3826964	11.723	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	898667	9.071	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1782747	11.304	ppbv	99

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

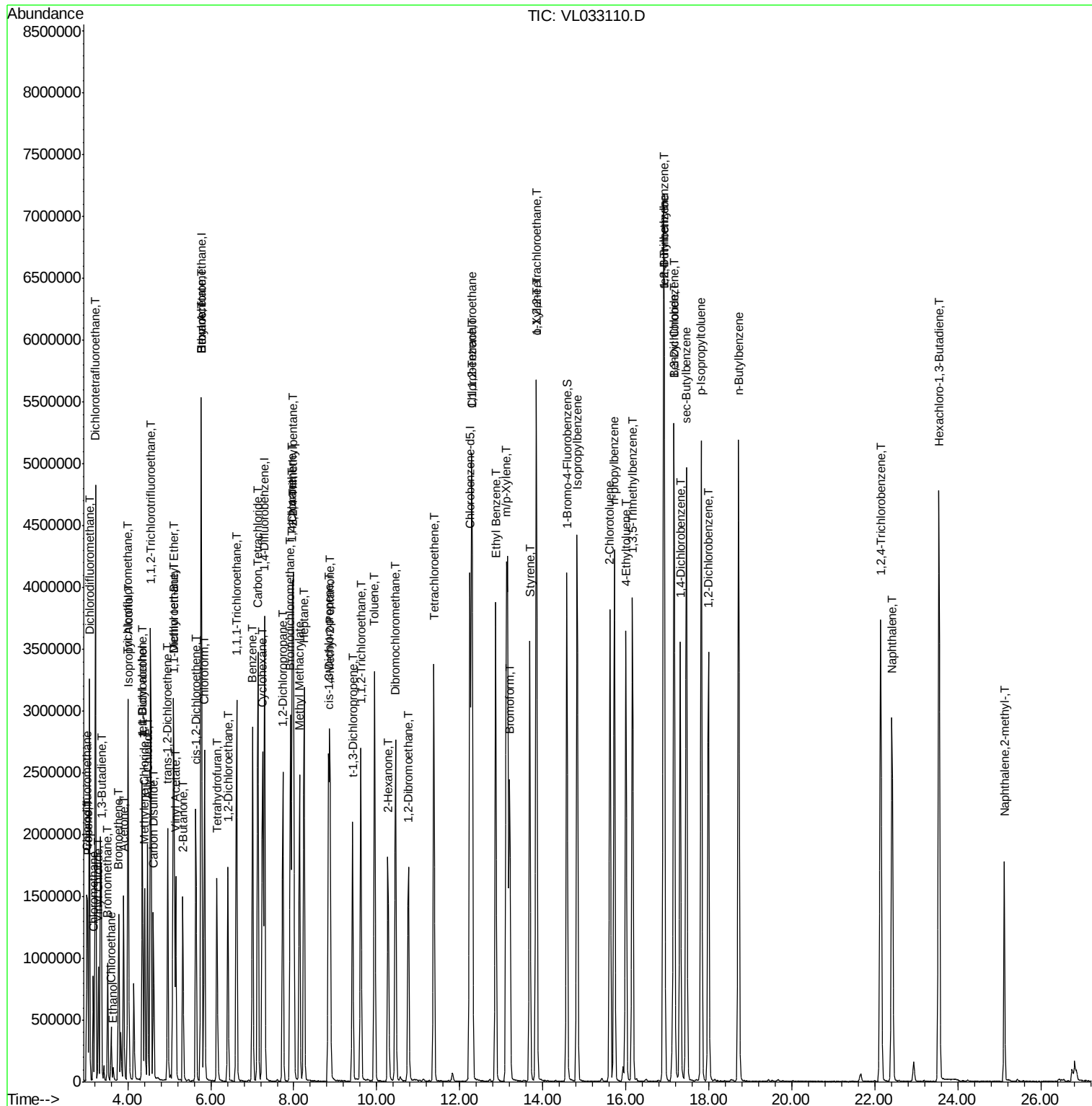
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL011619\
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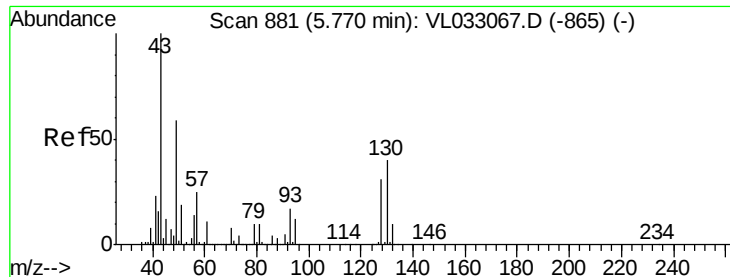
Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

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1/21/2019 8:51:32 AM

Quant Time: Jan 17 04:08:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampleId :

IDOC-3

Tgt Ion: 49 Resp: 1109098

Ion Ratio Lower Upper

49 100

128 52.7 26.2 78.5

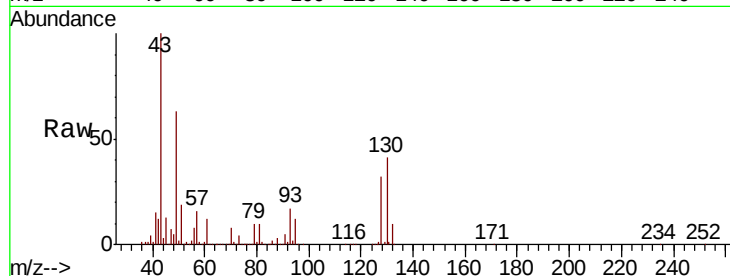
130 67.4 33.6 100.6

Manual Integrations

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

400000

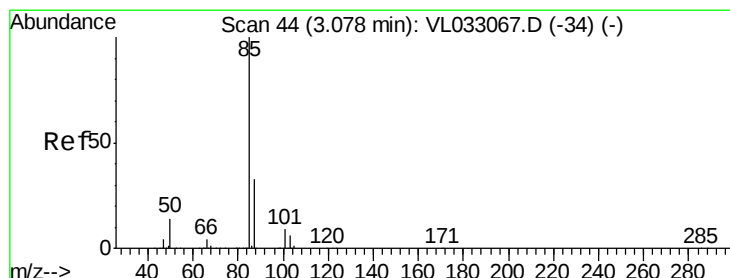
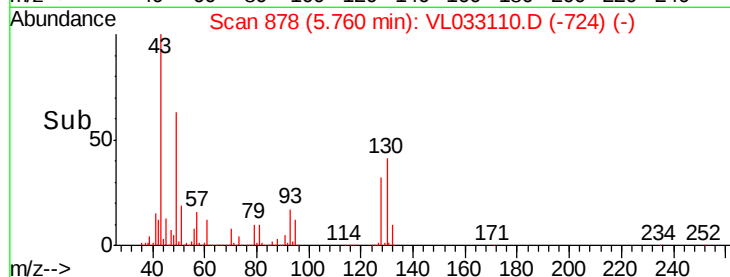
200000

0

5.76

5.70 5.75 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 11.161 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033110.D

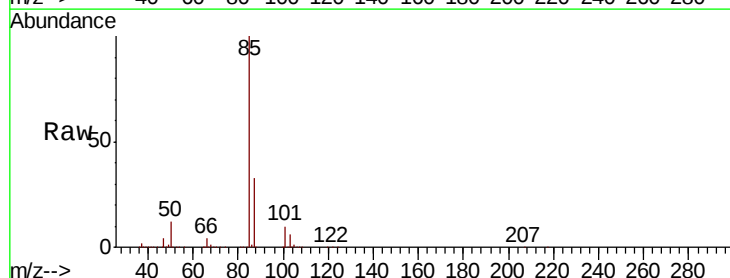
Acq: 17 Jan 2019 3:12

Tgt Ion: 85 Resp: 2303618

Ion Ratio Lower Upper

85 100

87 33.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

2000000

1500000

1000000

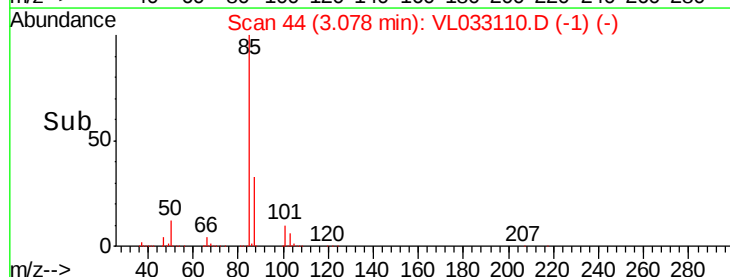
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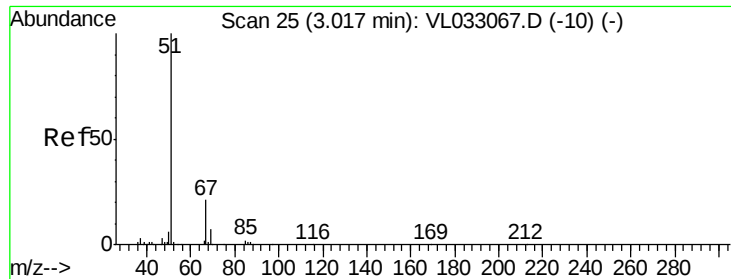
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3.08

3.05 3.10

Time-->





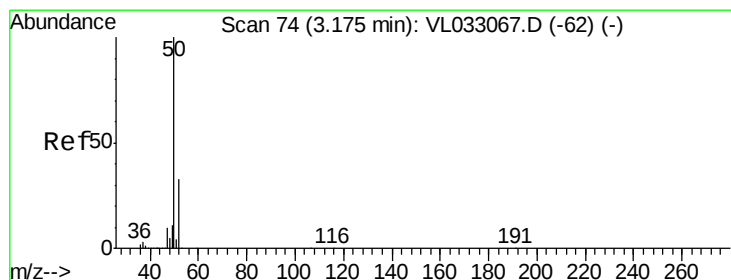
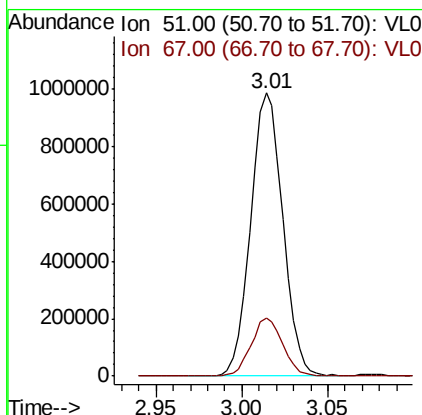
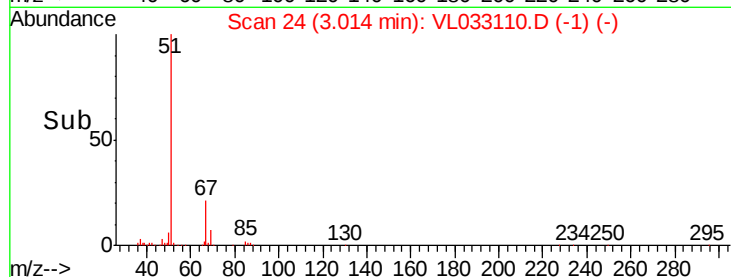
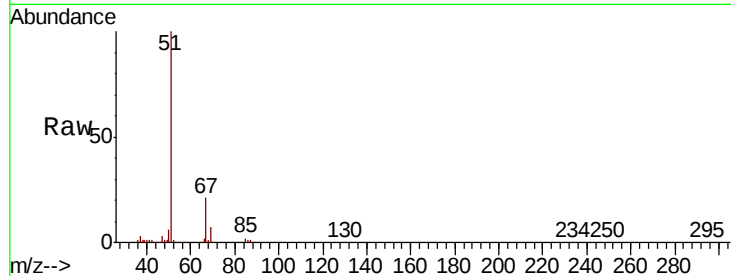
#3
 Chlorodifluoromethane
 Concen: 10.174 ppbv
 RT: 3.01 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampled :
 IDOC-3

Tgt Ion: 51 Resp: 1277295
 Ion Ratio Lower Upper
 51 100
 67 20.1 16.3 24.5

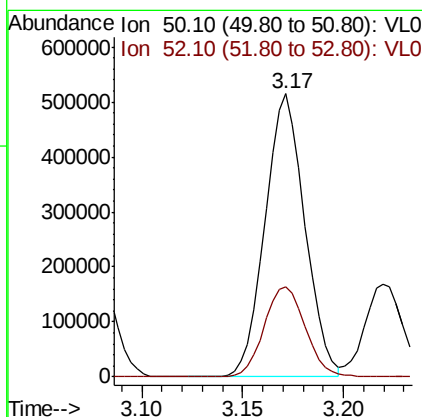
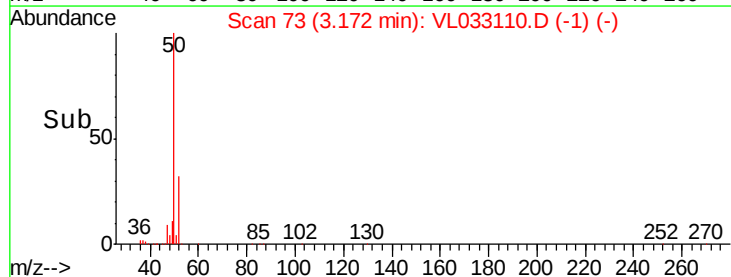
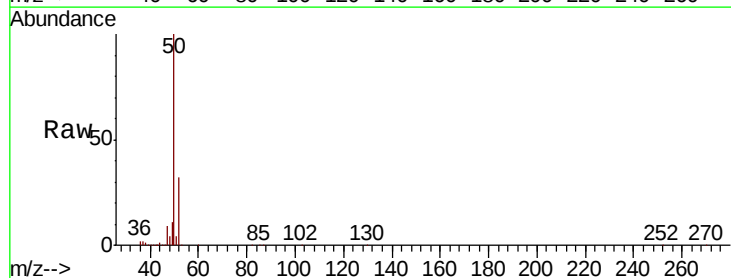
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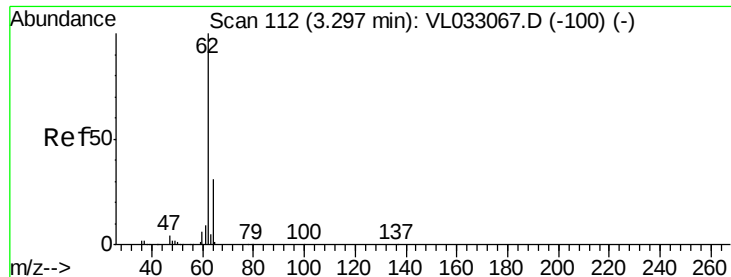
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#4
 Chloromethane
 Concen: 9.816 ppbv
 RT: 3.17 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion: 50 Resp: 705885
 Ion Ratio Lower Upper
 50 100
 52 31.8 26.9 40.3





#5

Vinyl Chloride

Concen: 9.996 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampleId :

IDOC-3

Tgt Ion: 62 Resp: 725941

Ion Ratio Lower Upper

62 100

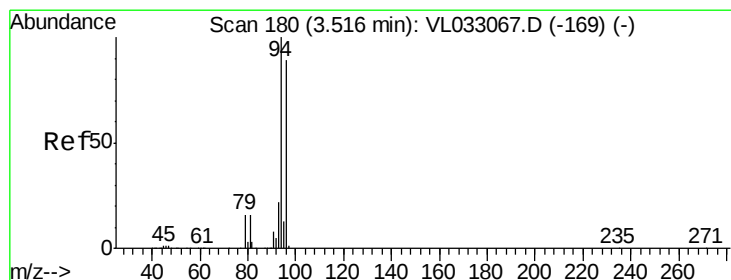
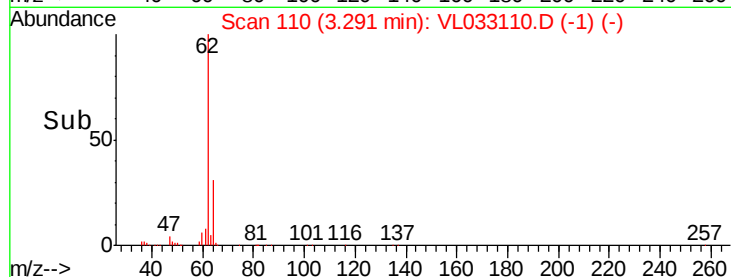
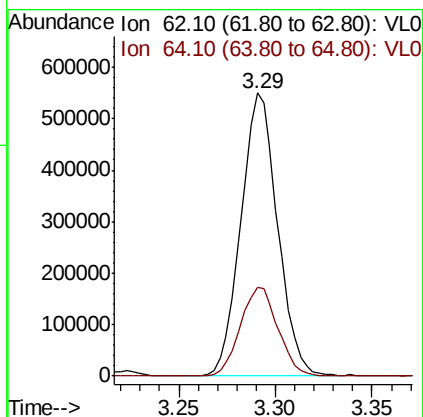
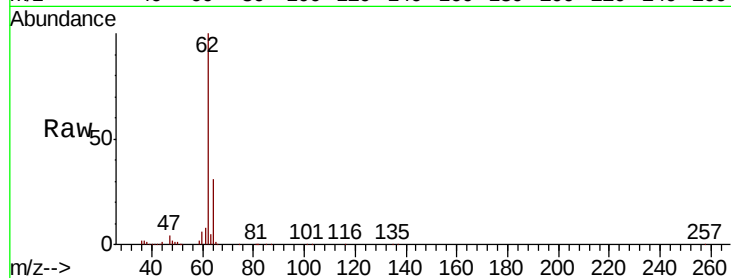
64 31.5 25.3 37.9

Manual Integrations

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#6

Bromomethane

Concen: 9.805 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033110.D

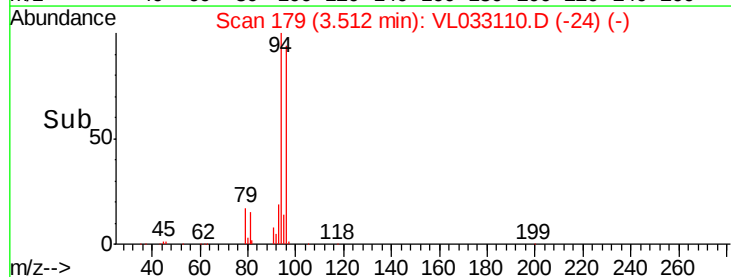
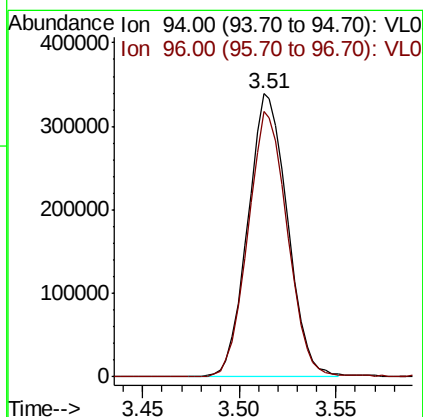
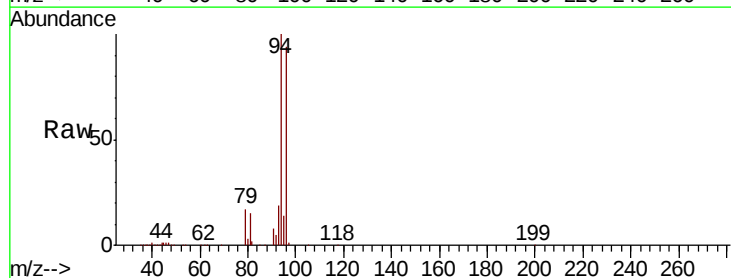
Acq: 17 Jan 2019 3:12

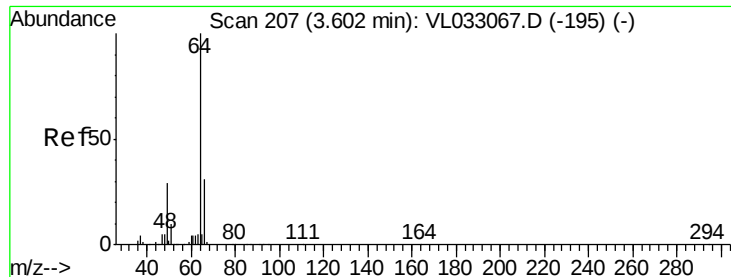
Tgt Ion: 94 Resp: 483751

Ion Ratio Lower Upper

94 100

96 93.7 72.8 109.2





#7

Chloroethane

Concen: 9.869 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampleId :

IDOC-3

Tgt Ion: 64 Resp: 280274

Ion Ratio Lower Upper

64 100

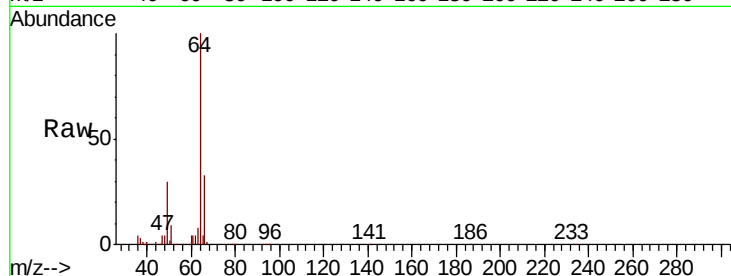
66 32.8 23.7 35.5

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

3.60

200000

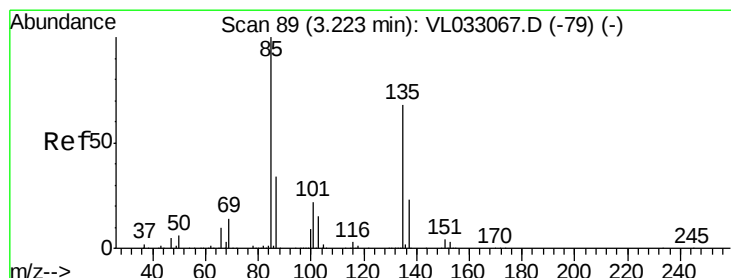
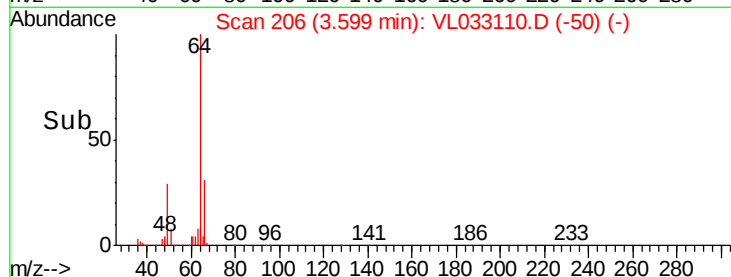
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.186 ppbv

RT: 3.22 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL033110.D

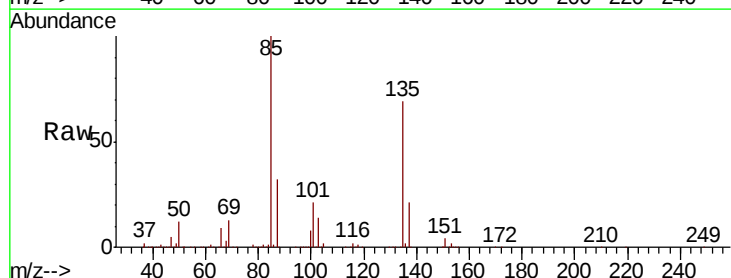
Acq: 17 Jan 2019 3:12

Tgt Ion: 85 Resp: 1811065

Ion Ratio Lower Upper

85 100

135 69.1 54.9 82.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

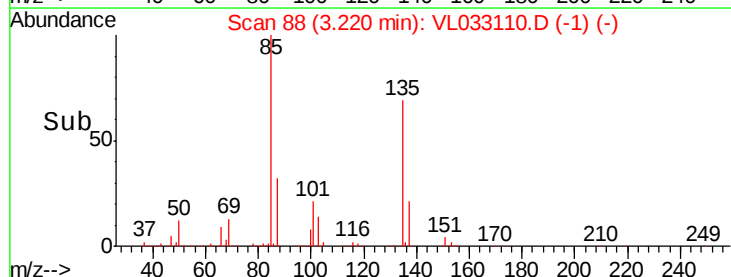
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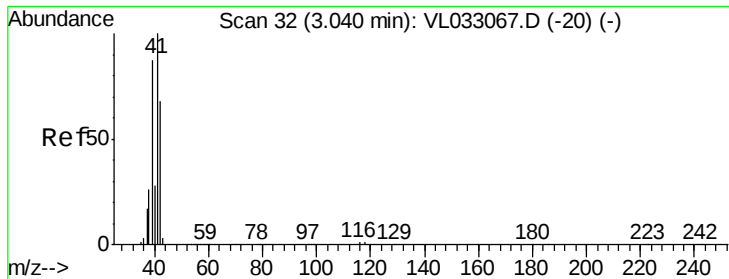
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Time-->





#9

Propene

Concen: 11.480 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampleId :

IDOC-3

Tgt Ion: 41 Resp: 538408

Ion Ratio Lower Upper

41 100

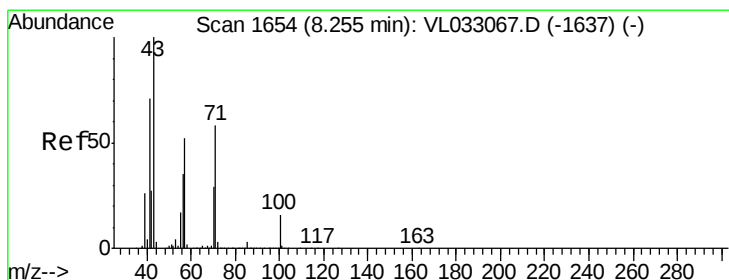
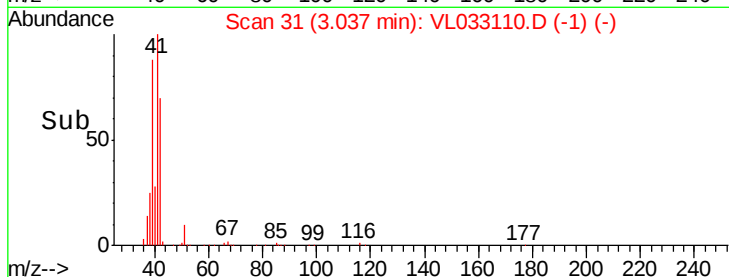
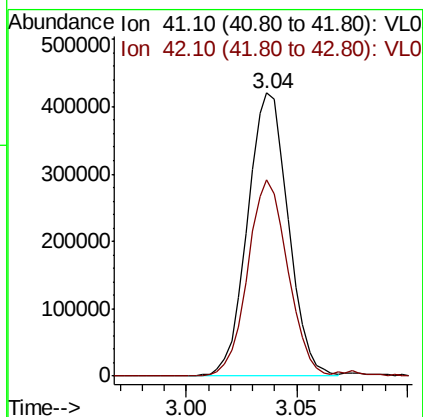
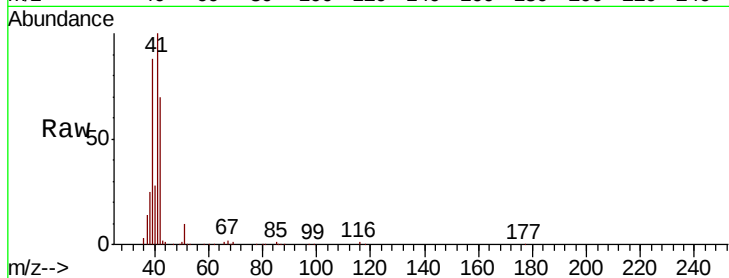
42 69.4 55.3 82.9

Manual Integrations

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#10

Heptane

Concen: 10.402 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033110.D

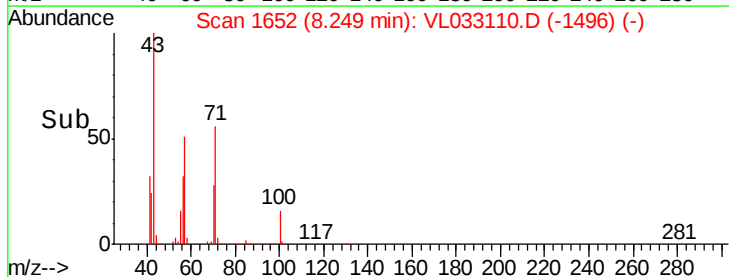
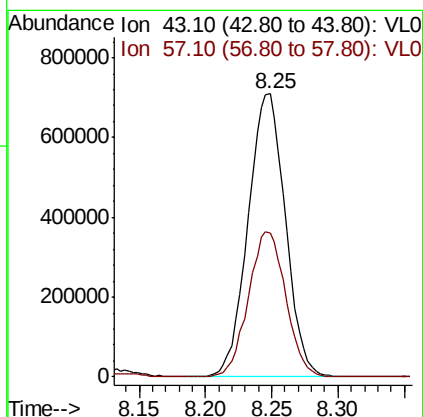
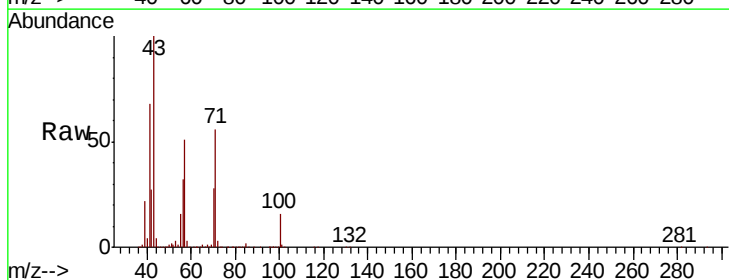
Acq: 17 Jan 2019 3:12

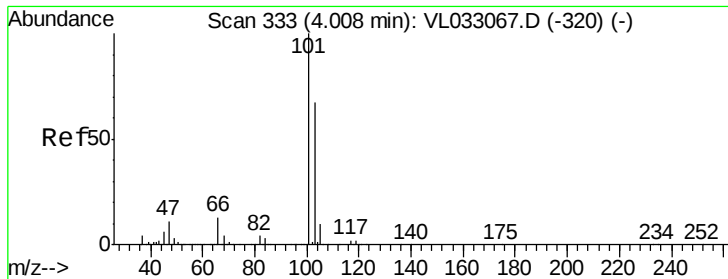
Tgt Ion: 43 Resp: 1389043

Ion Ratio Lower Upper

43 100

57 51.8 41.9 62.9





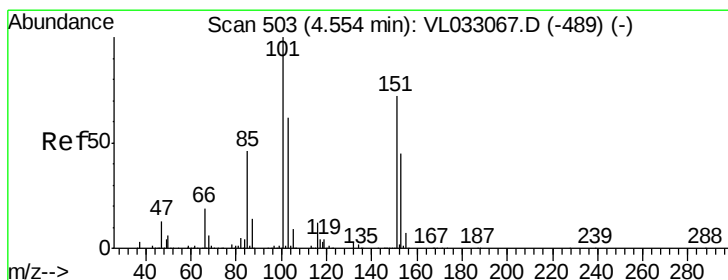
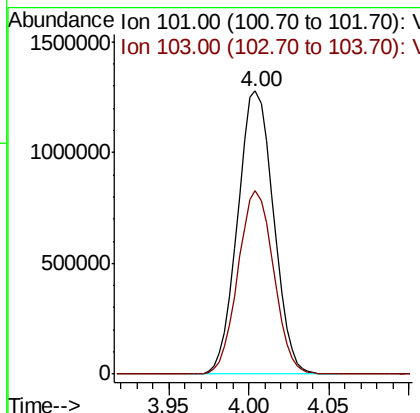
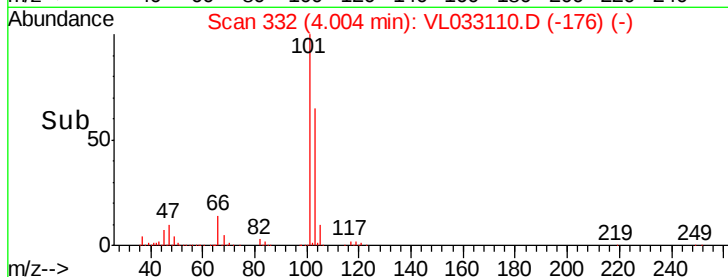
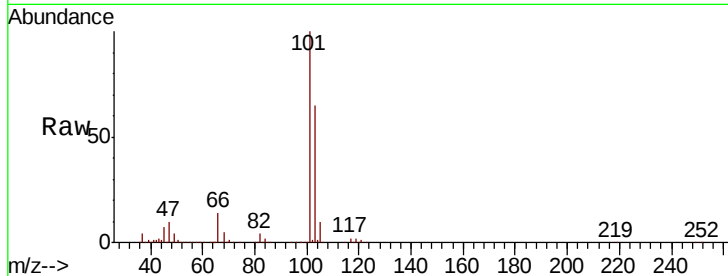
#11
 Trichlorofluoromethane
 Concen: 8.536 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampled :
 IDOC-3

Tgt Ion:101 Resp: 1946950
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.7 77.5

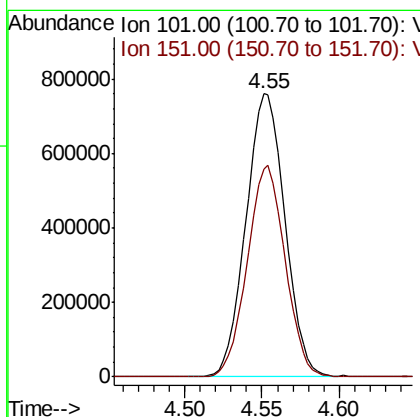
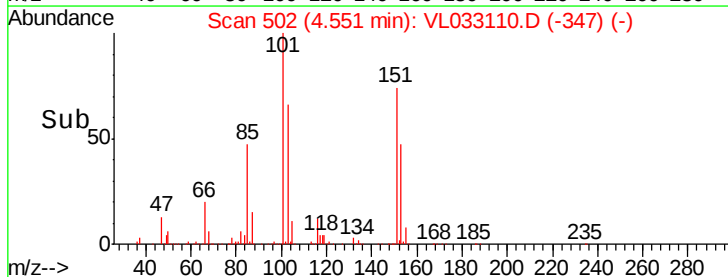
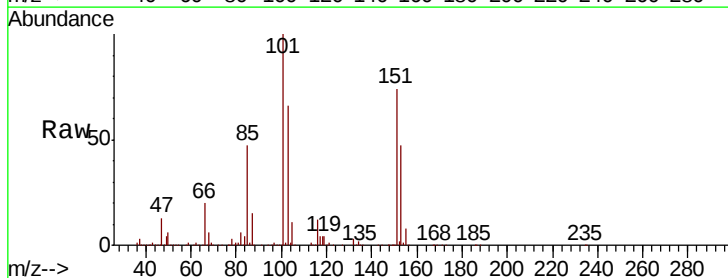
Manual Integrations
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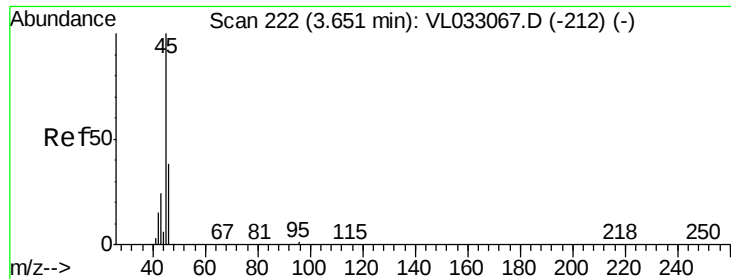
sam
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.255 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion:101 Resp: 1334752
 Ion Ratio Lower Upper
 101 100
 151 72.8 58.3 87.5





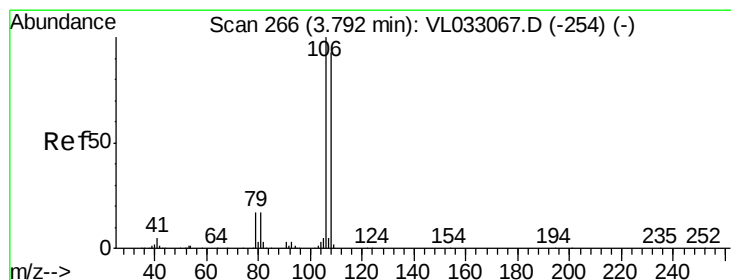
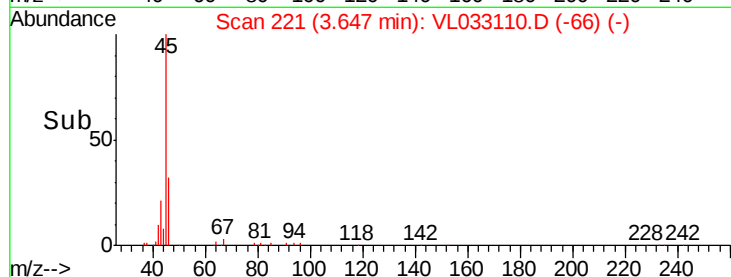
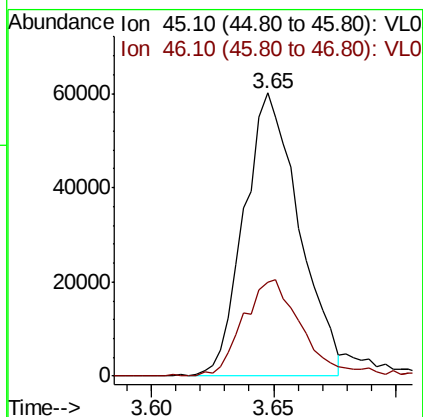
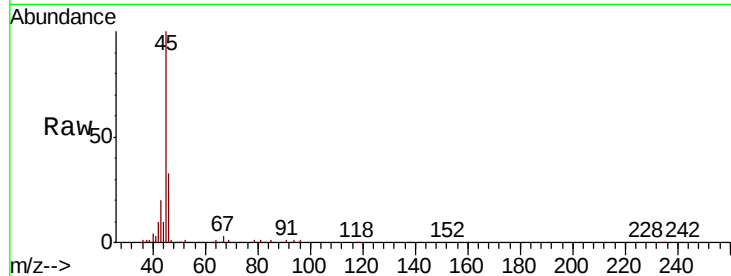
#13
Ethanol
Concen: 5.031 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 45 Resp: 94097
Ion Ratio Lower Upper
45 100
46 37.4 13.8 55.2

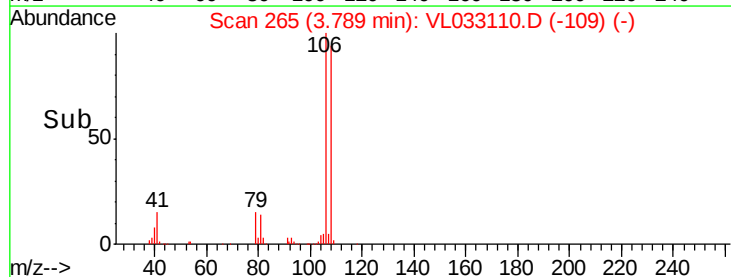
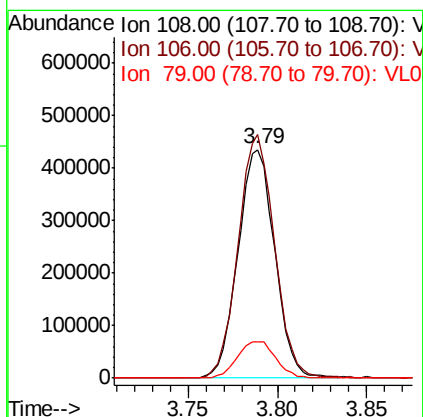
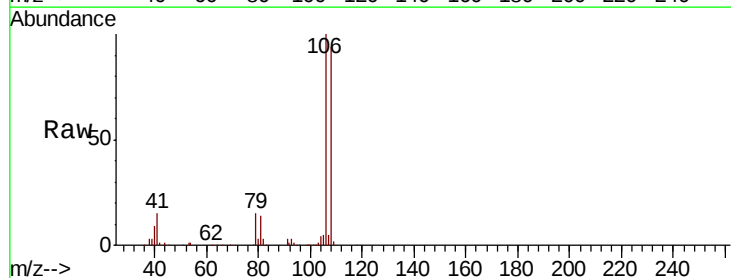
Manual Integrations
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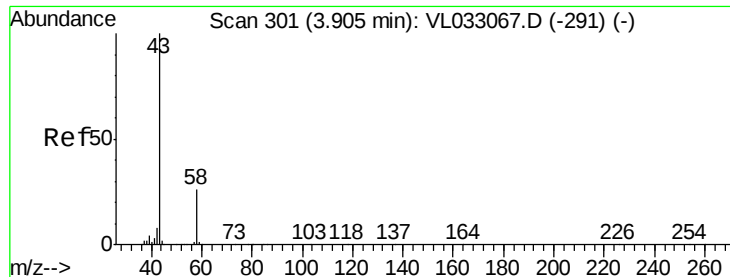
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#14
Bromoethene
Concen: 9.780 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 108 Resp: 622935
Ion Ratio Lower Upper
108 100
106 105.7 86.4 129.6
79 17.0 14.3 21.5





#15

Acetone

Concen: 9.342 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampleId :

IDOC-3

Tgt Ion: 43 Resp: 1434119

Ion Ratio Lower Upper

43 100

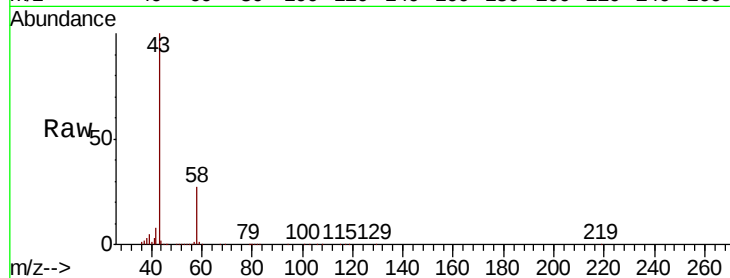
58 26.7 21.1 31.7

Manual Integrations

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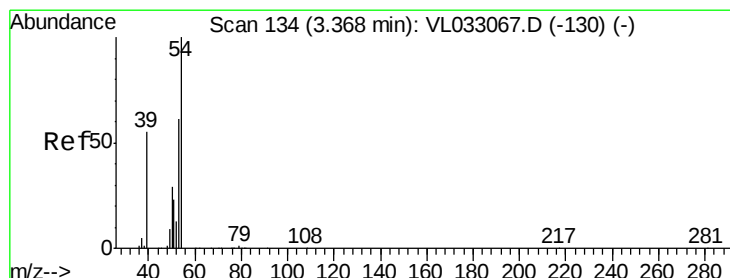
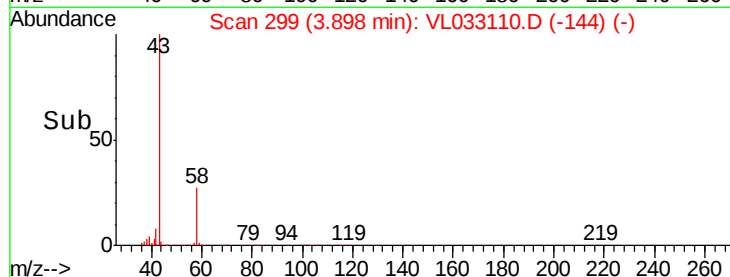
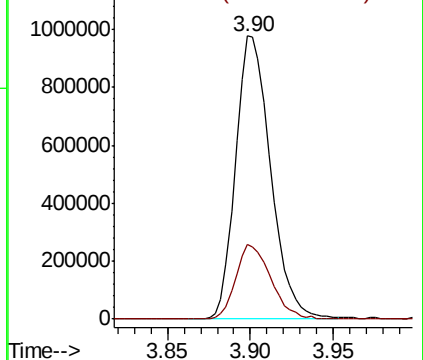
sam

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.318 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033110.D

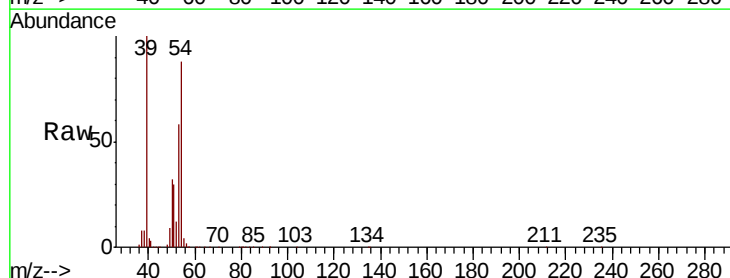
Acq: 17 Jan 2019 3:12

Tgt Ion: 39 Resp: 597305

Ion Ratio Lower Upper

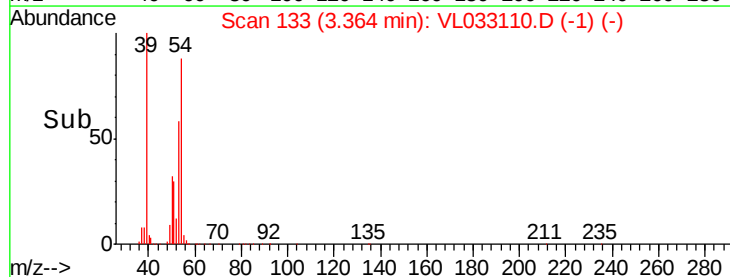
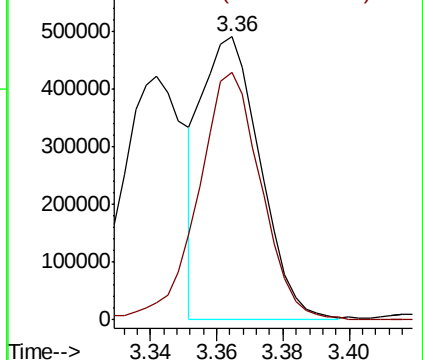
39 100

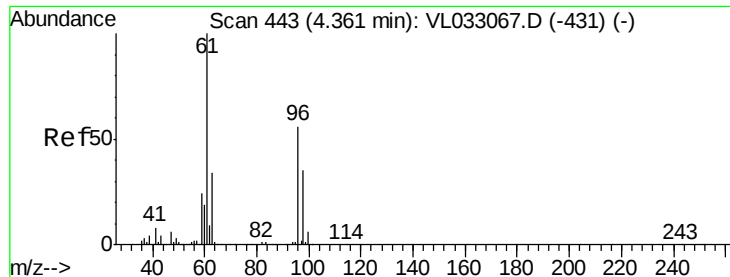
54 95.0 73.7 110.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





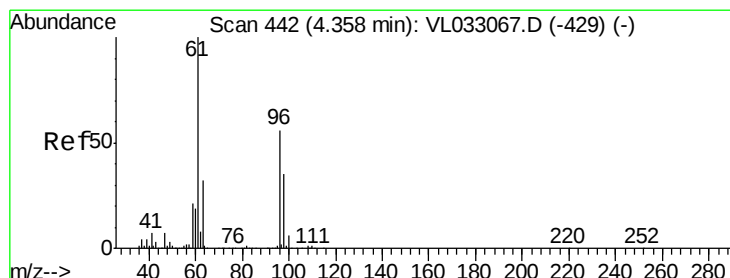
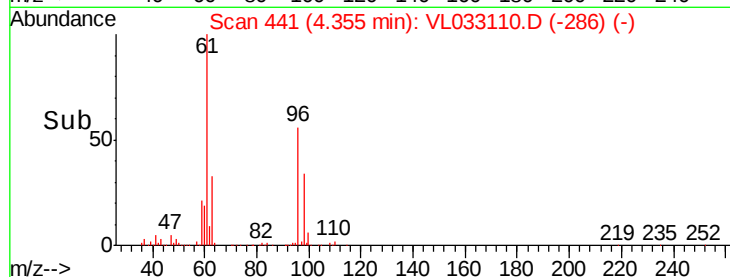
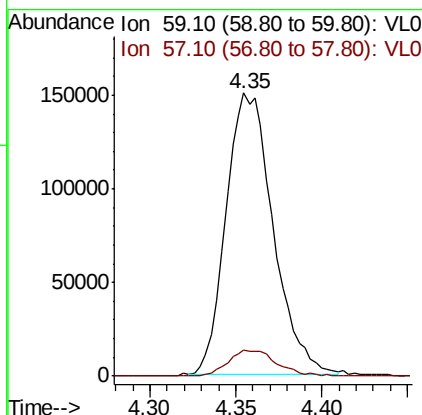
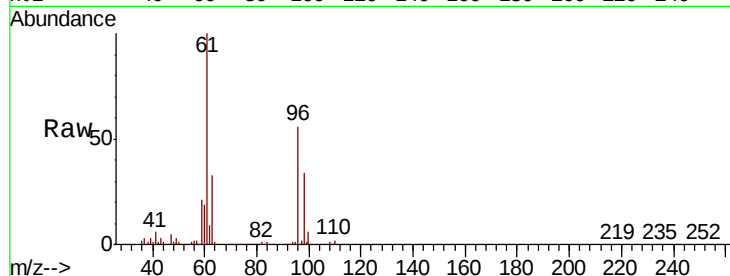
#17
tert-Butyl alcohol
Concen: 8.794 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 59 Resp: 285970
Ion Ratio Lower Upper
59 100
57 9.5 7.7 11.5

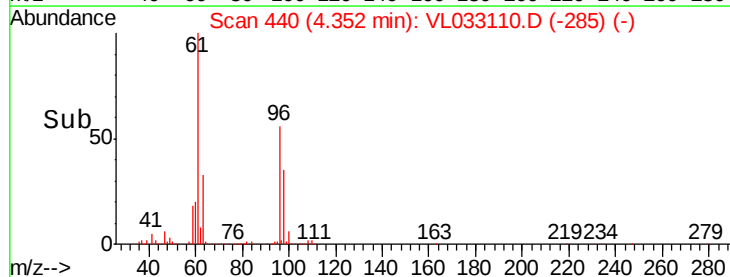
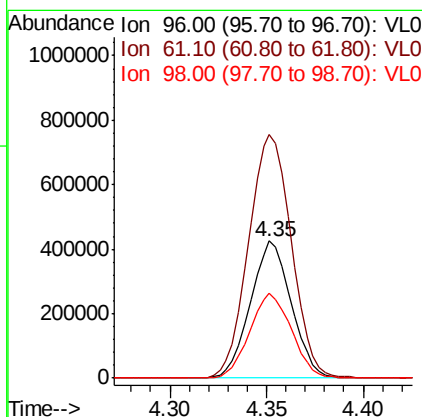
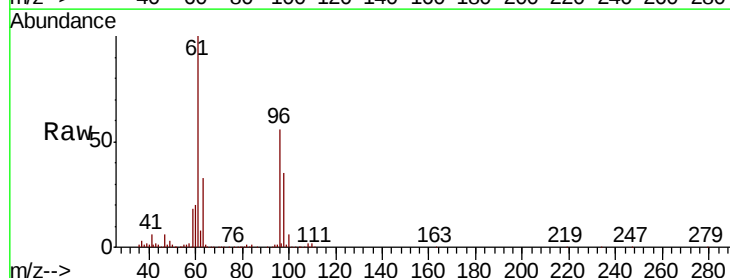
Manual Integrations
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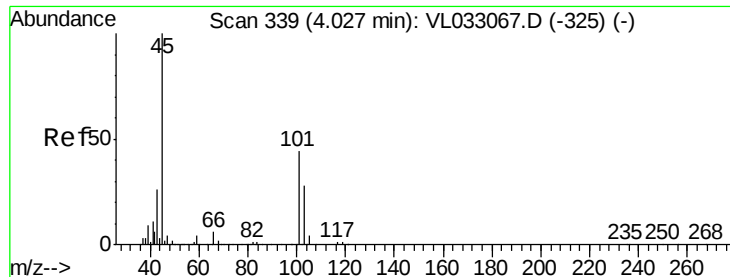
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#18
1,1-Dichloroethene
Concen: 9.398 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 96 Resp: 624297
Ion Ratio Lower Upper
96 100
61 177.4 143.7 215.5
98 61.9 52.1 78.1





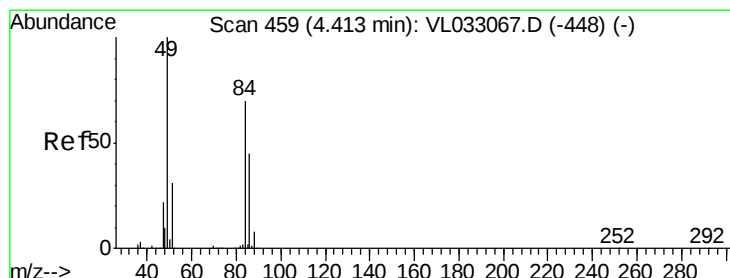
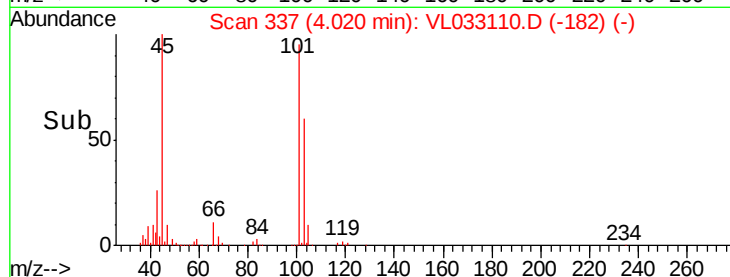
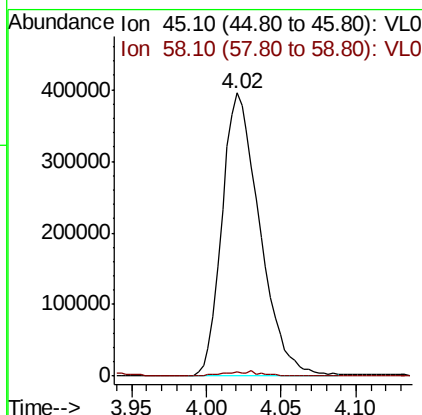
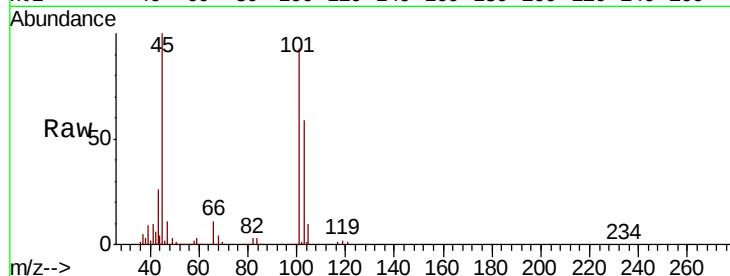
#19
Isopropyl Alcohol
Concen: 6.573 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 45 Resp: 694645
Ion Ratio Lower Upper
45 100
58 1.9 1.4 2.2

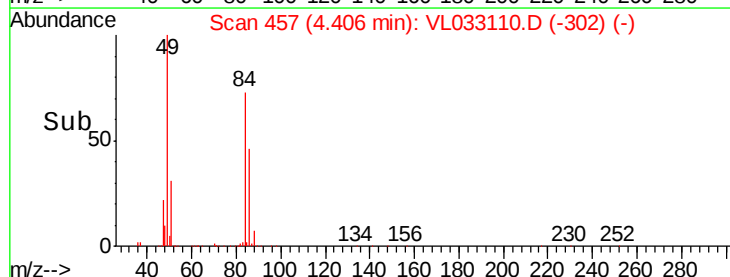
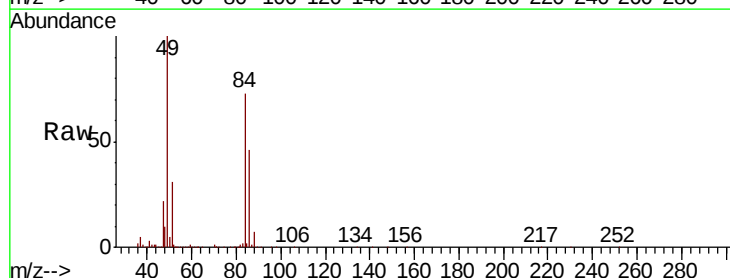
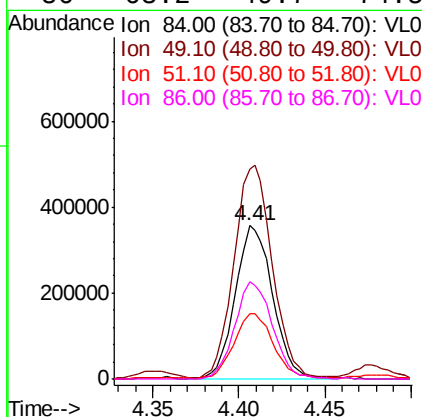
Manual Integrations
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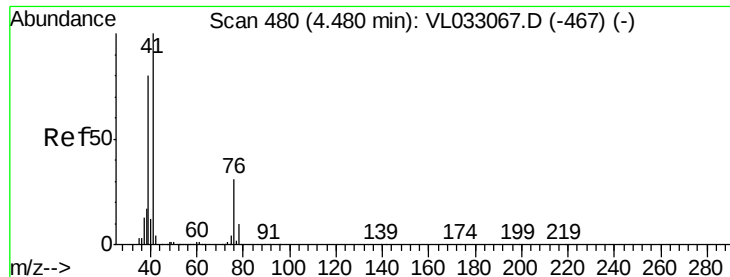
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#20
Methylene Chloride
Concen: 8.410 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 84 Resp: 538216
Ion Ratio Lower Upper
84 100
49 136.4 115.8 173.6
51 42.3 35.7 53.5
86 63.2 49.7 74.5





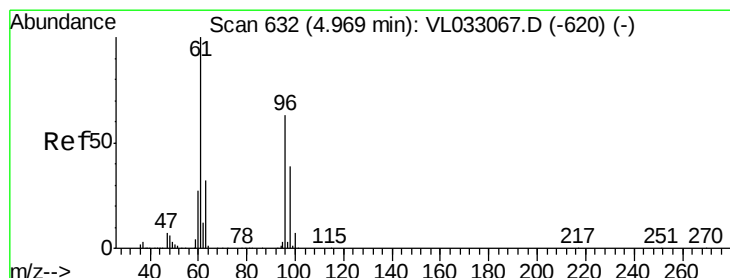
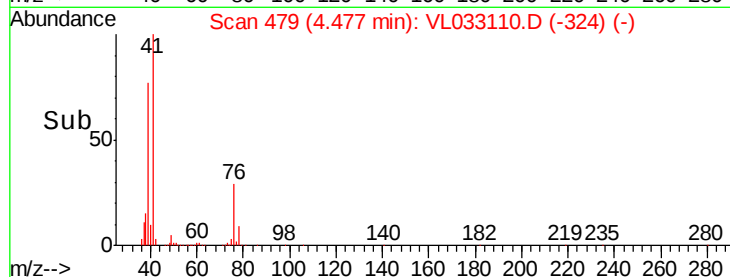
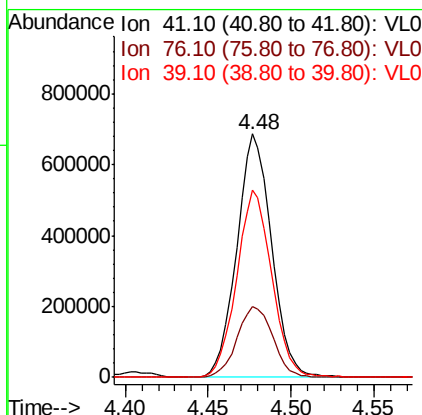
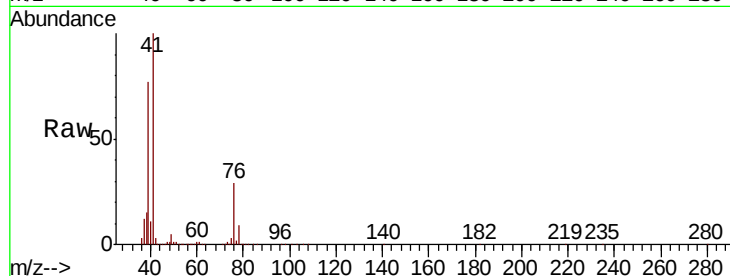
#21
 Allyl Chloride
 Concen: 10.481 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 IDOC-3

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.6	36.8
39	77.6	62.8	94.2

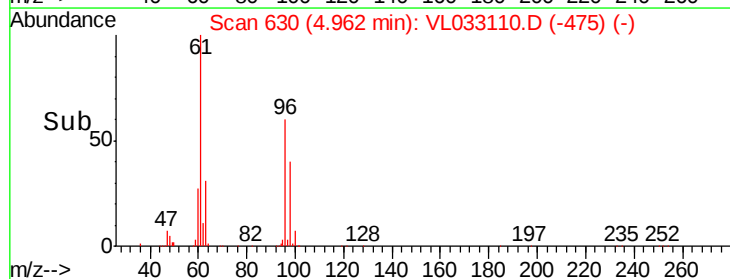
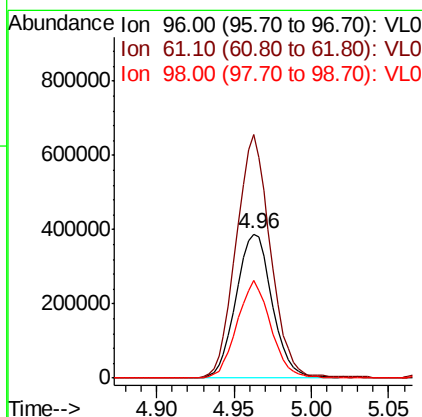
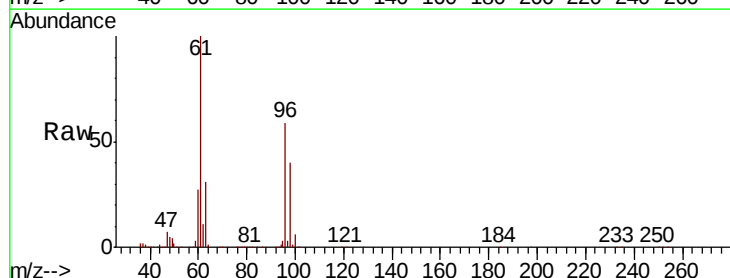
Manual Integrations
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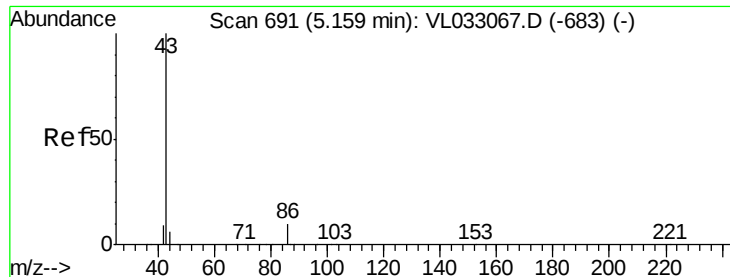
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#22
 trans-1,2-Dichloroethene
 Concen: 9.599 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.6	125.2	187.8
98	67.7	50.9	76.3





#23

Vinyl Acetate

Concen: 10.648 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampleId :

IDOC-3

Tgt Ion: 43 Resp: 2079511

Ion Ratio Lower Upper

43 100

86 8.6 6.2 9.4

42 9.7 8.1 12.1

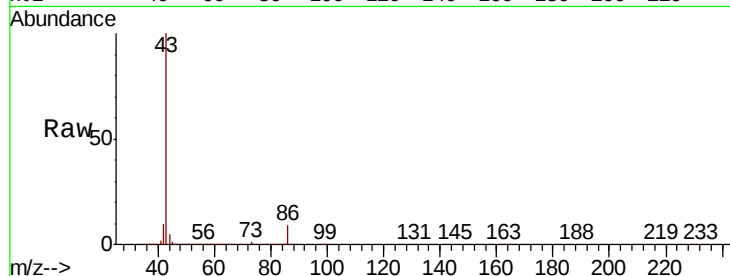
44 5.1 4.3 6.5

Manual Integrations

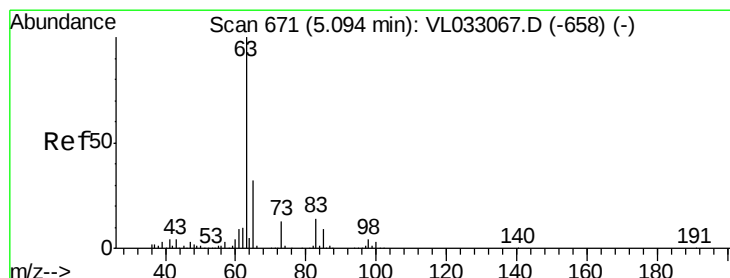
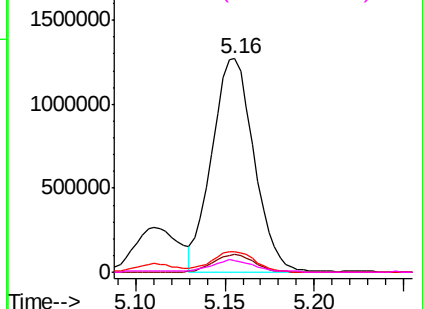
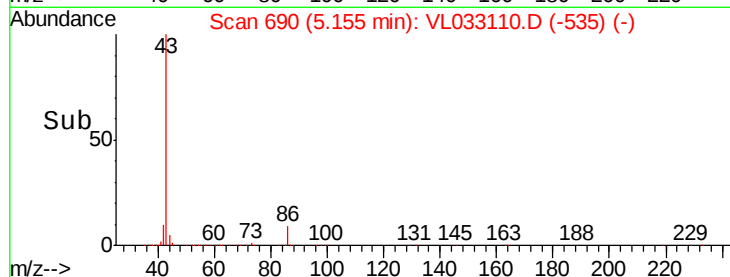
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Abundance Ion 43.10 (42.80 to 43.80): VL0
2000000
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.362 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

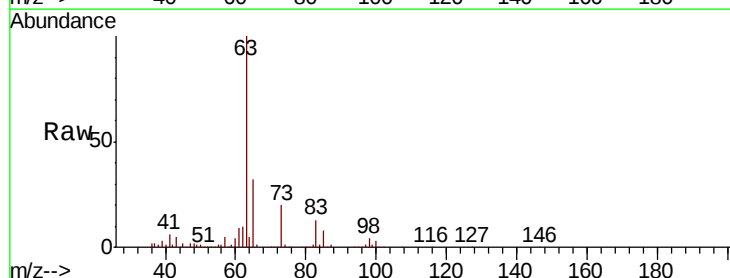
Tgt Ion: 63 Resp: 1552446

Ion Ratio Lower Upper

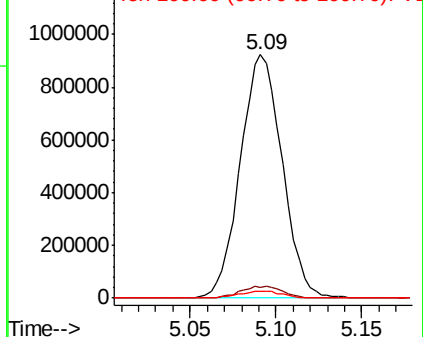
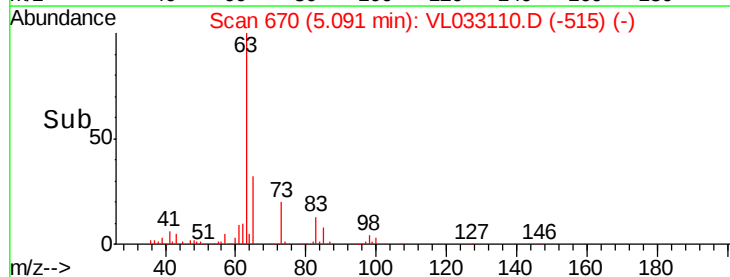
63 100

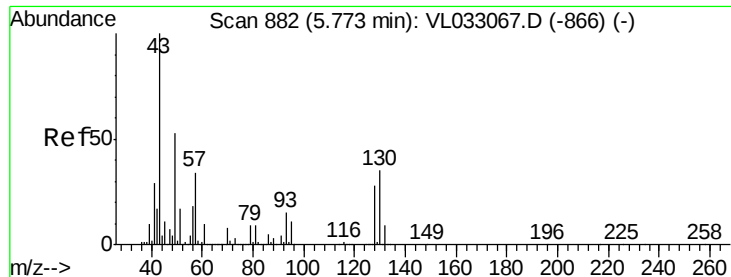
98 4.3 2.4 7.2

100 3.0 1.4 4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
1200000
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.353 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampled :

IDOC-3

Tgt Ion: 43 Resp: 2427078

Ion Ratio Lower Upper

43 100

45 10.0 7.9 11.9

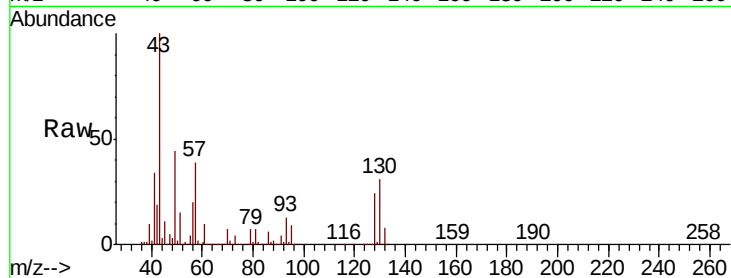
61 9.6 7.8 11.8

70 7.3 6.0 9.0

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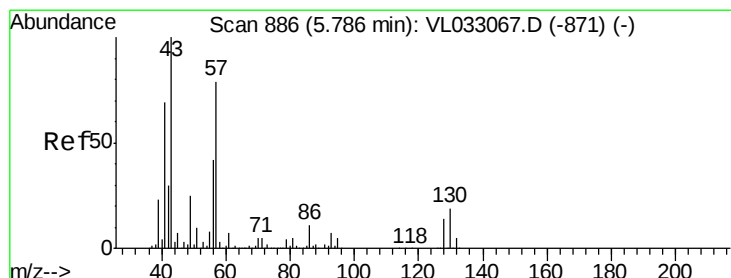
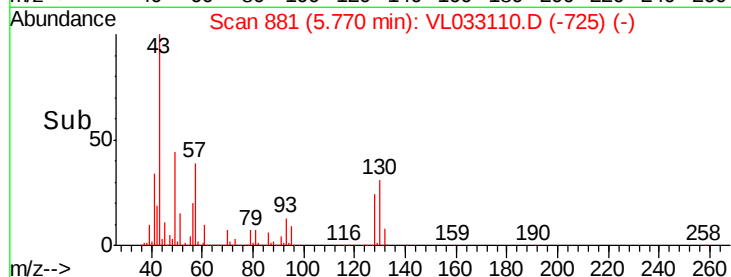
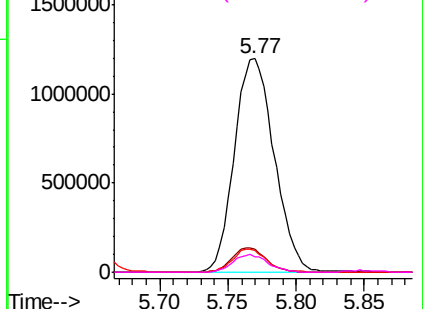
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.289 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Tgt Ion: 57 Resp: 1134976

Ion Ratio Lower Upper

57 100

41 87.6 70.8 106.2

43 214.8 171.8 257.6

56 52.4 41.9 62.9

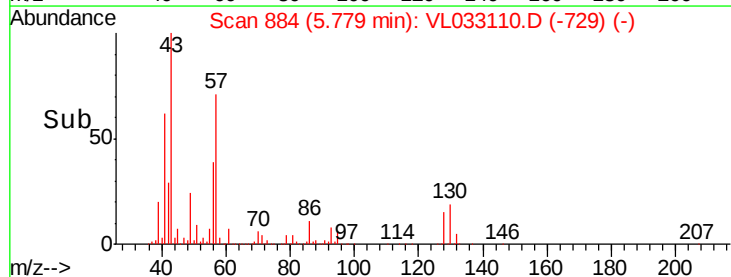
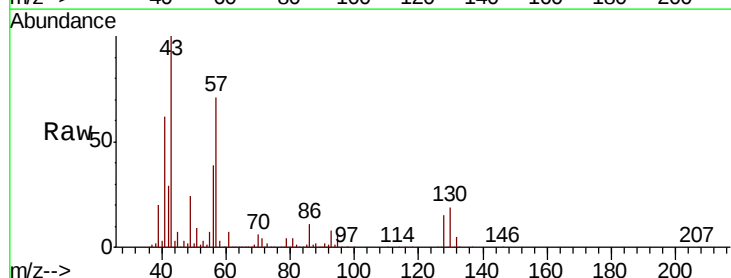
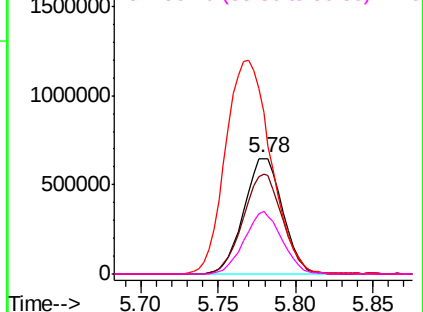
Abundance

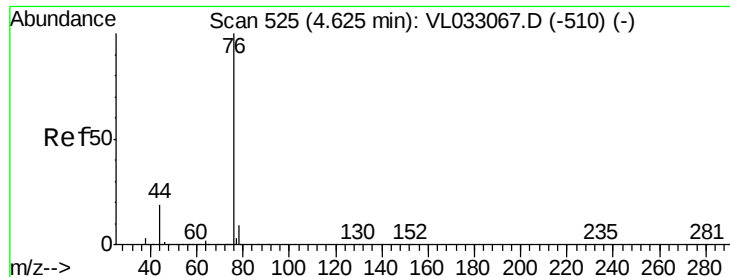
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.328 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampled :

IDOC-3

Tgt Ion: 76 Resp: 1556362

Ion Ratio Lower Upper

76 100

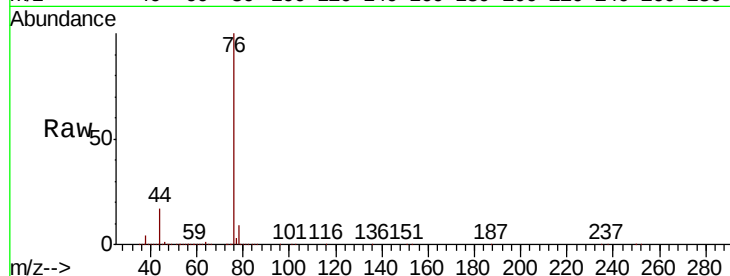
44 18.5 13.9 20.9

78 9.1 7.3 10.9

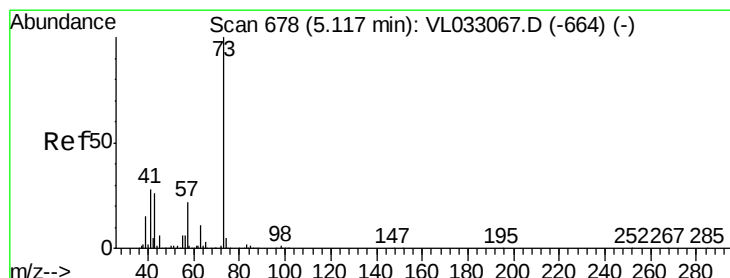
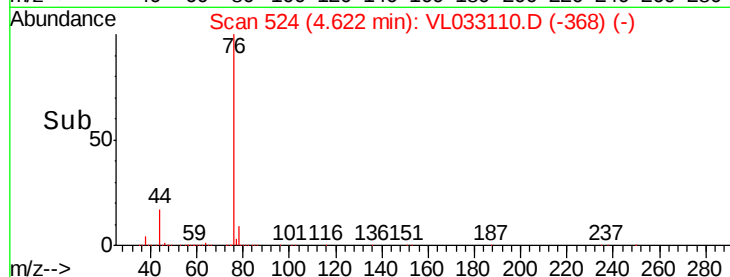
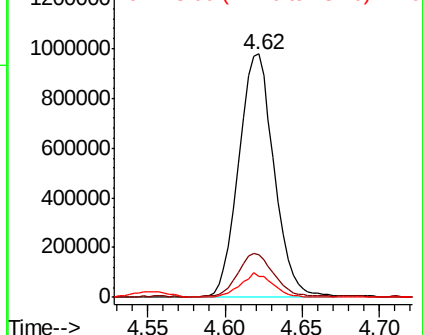
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.236 ppbv

RT: 5.11 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL033110.D

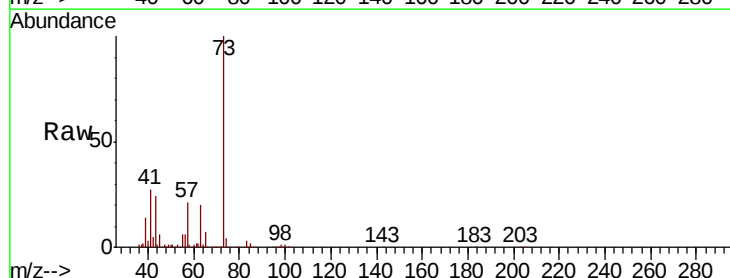
Acq: 17 Jan 2019 3:12

Tgt Ion: 73 Resp: 1952265

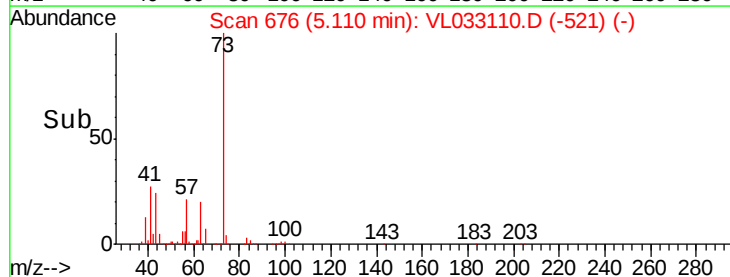
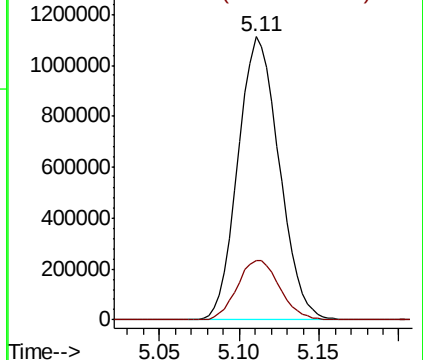
Ion Ratio Lower Upper

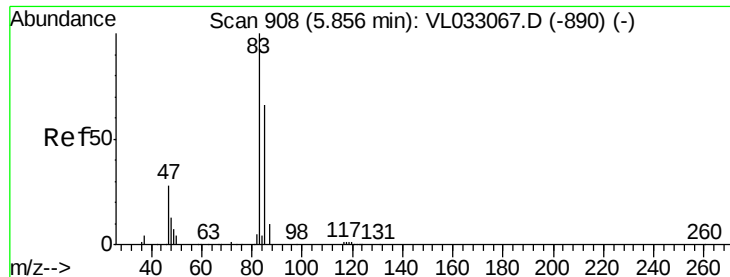
73 100

57 21.8 17.5 26.3



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





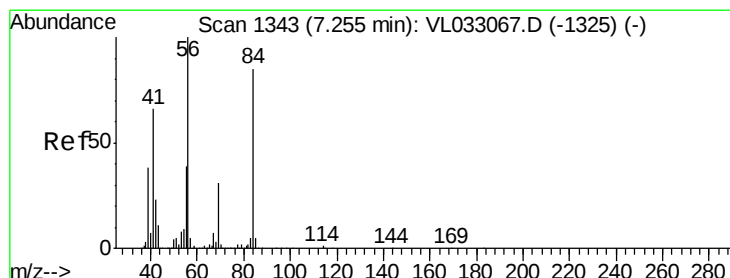
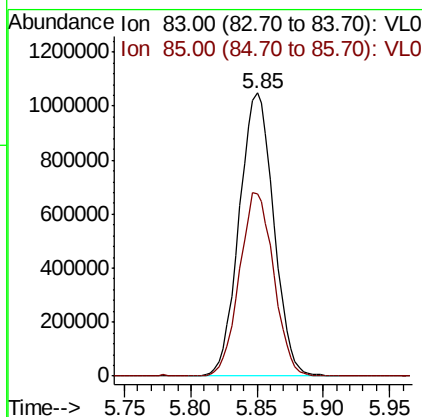
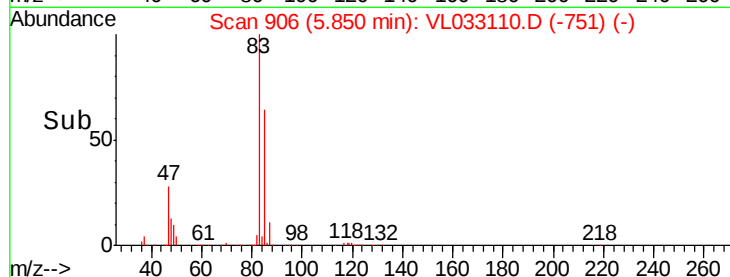
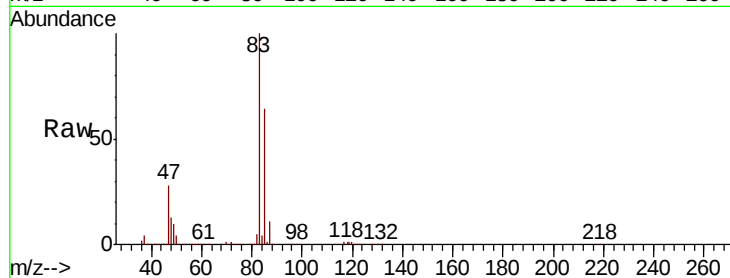
#29
Chloroform
Concen: 9.103 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 83 Resp: 1895370
Ion Ratio Lower Upper
83 100
85 64.3 52.5 78.7

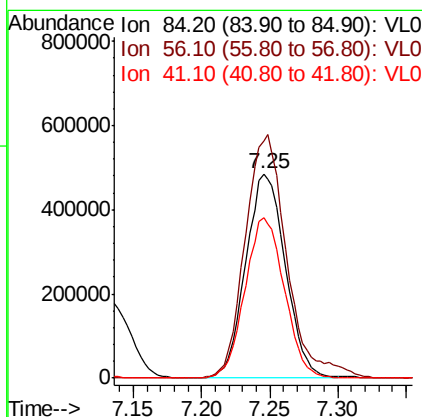
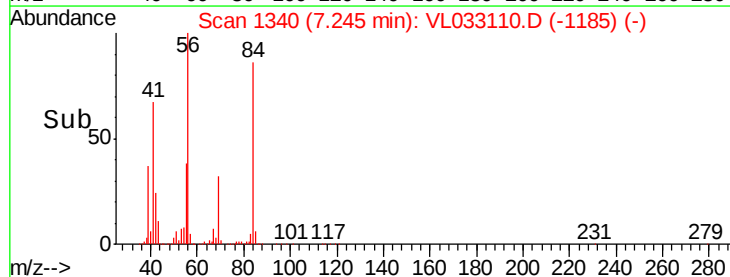
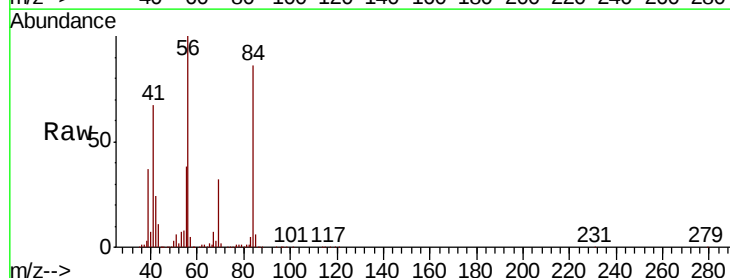
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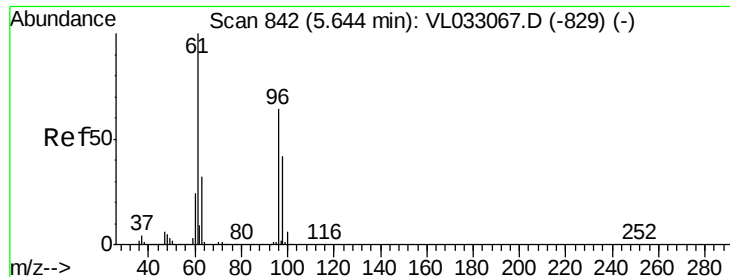
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#30
Cyclohexane
Concen: 10.767 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 84 Resp: 980896
Ion Ratio Lower Upper
84 100
56 125.9 101.8 152.6
41 77.9 63.2 94.8





#31

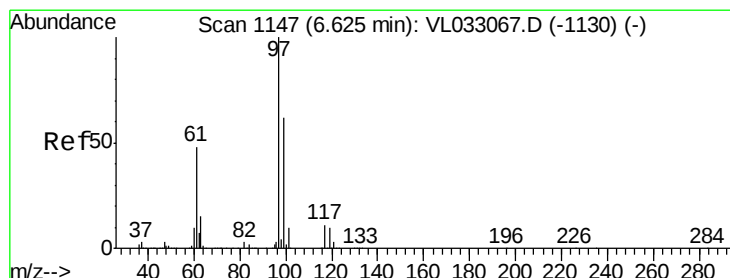
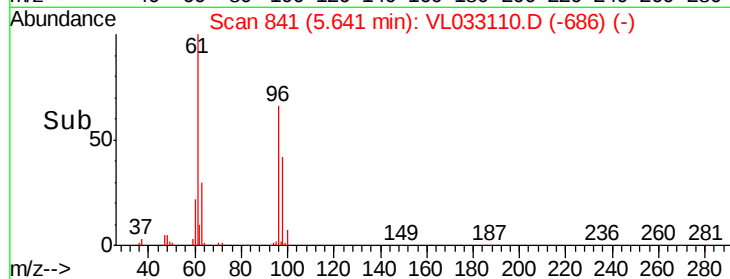
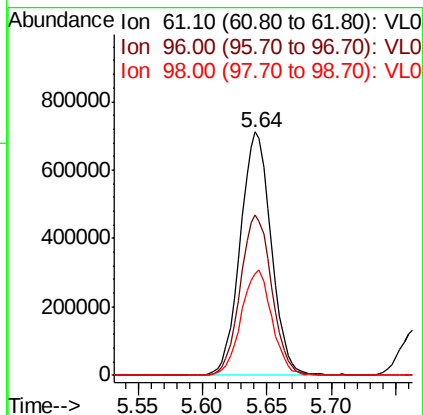
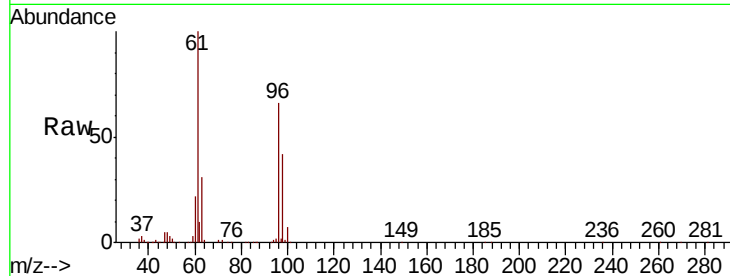
cis-1,2-Dichloroethene
 Concen: 10.484 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 IDOC-3

Tgt Ion	Ratio	Lower	Upper
61	100		
96	66.1	52.8	79.2
98	41.9	33.8	50.6

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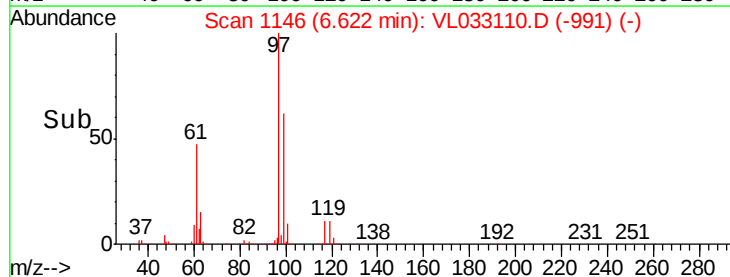
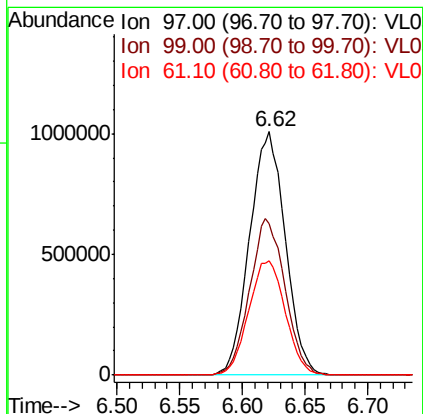
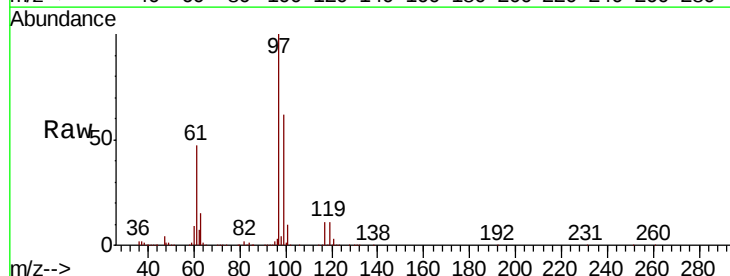
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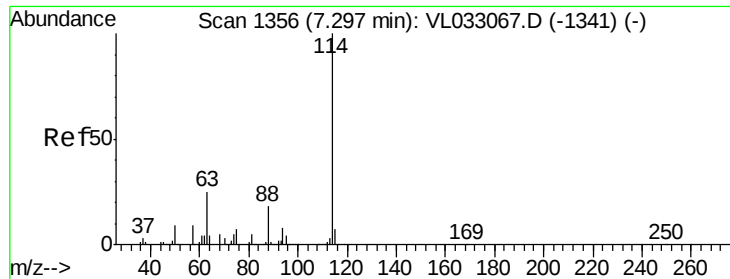


#32

1,1,1-Trichloroethane
 Concen: 9.420 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	48.0	38.3	57.5





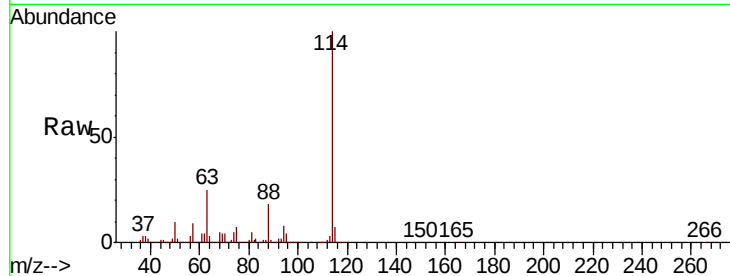
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 IDOC-3

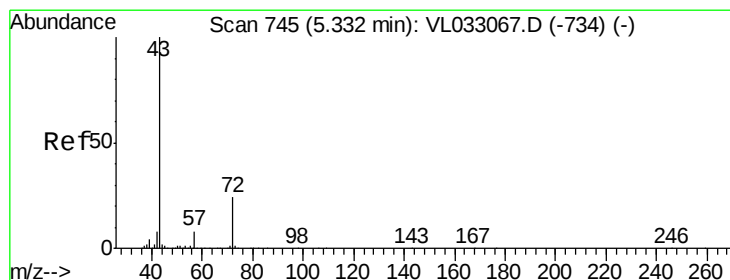
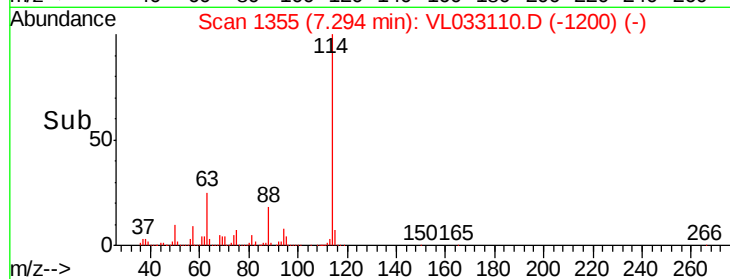
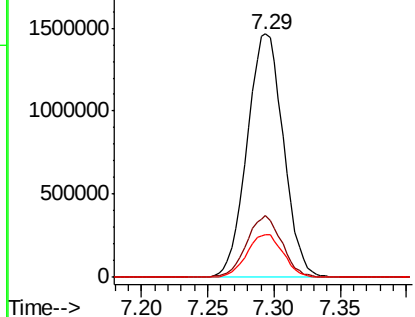
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.1	30.1
88	17.7	14.0	21.0

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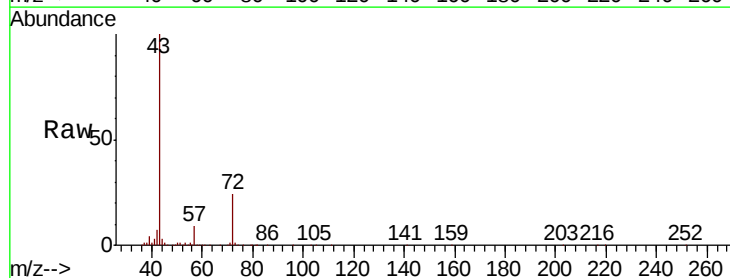


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

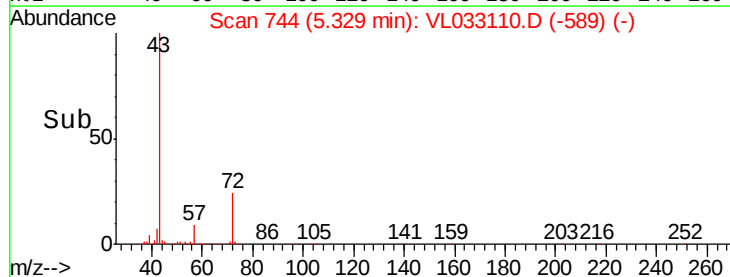
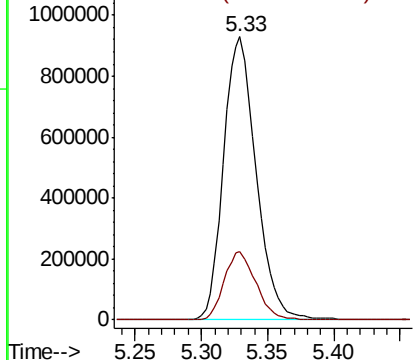


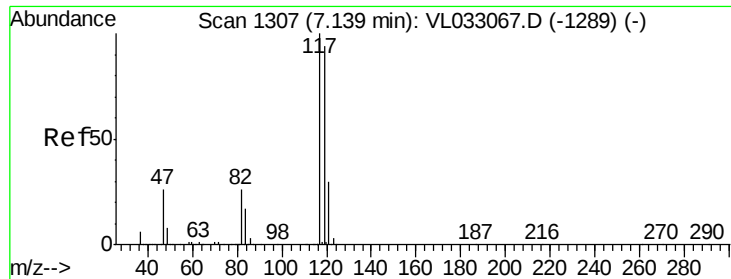
#34
 2-Butanone
 Concen: 9.751 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.9	28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.025 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

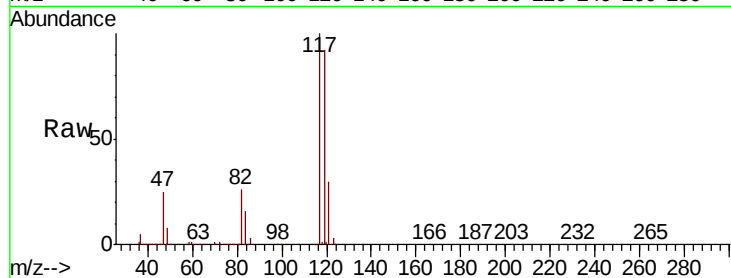
ClientSampled :

IDOC-3

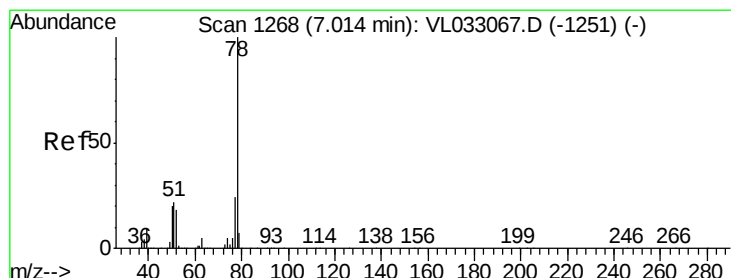
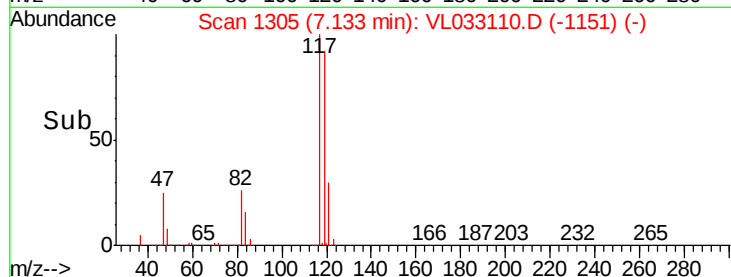
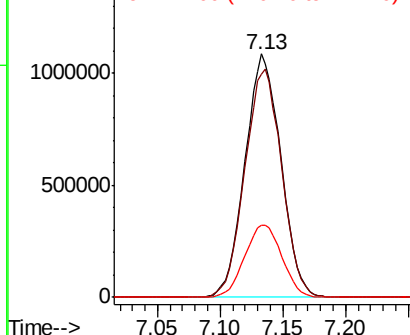
Tgt Ion: 117 Resp: 2164010
 Ion Ratio Lower Upper
 117 100
 119 91.7 76.5 114.7
 121 29.6 25.2 37.8

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Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.325 ppbv

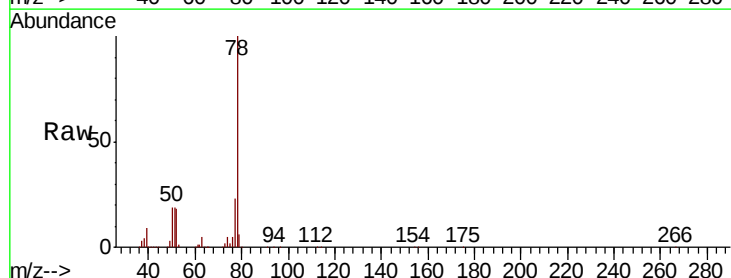
RT: 7.01 min Scan# 1266

Delta R.T. -0.00 min

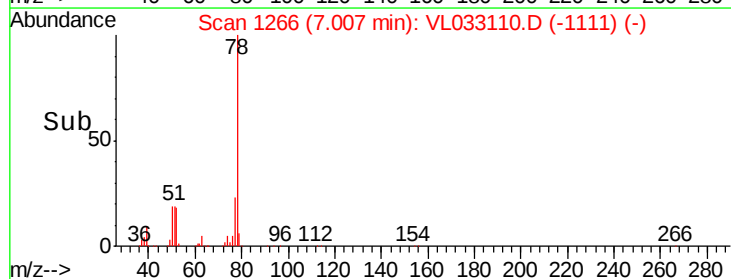
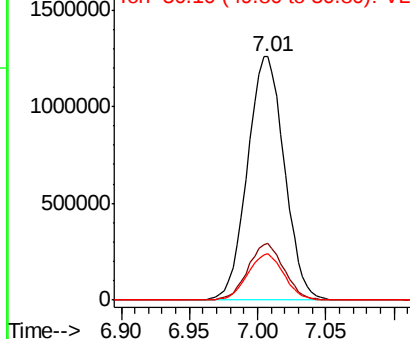
Lab File: VL033110.D

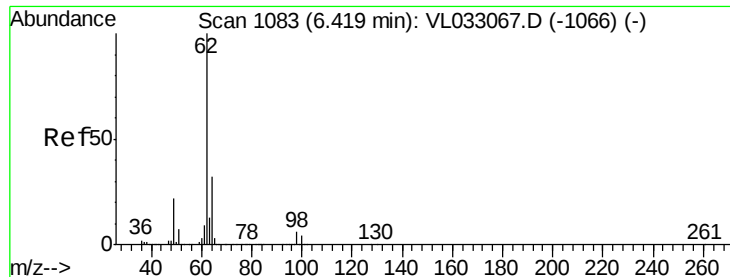
Acq: 17 Jan 2019 3:12

Tgt Ion: 78 Resp: 2361065
 Ion Ratio Lower Upper
 78 100
 77 23.4 18.5 27.7
 50 19.2 15.7 23.5



Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0





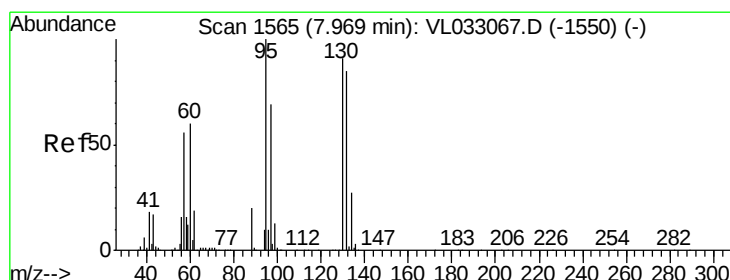
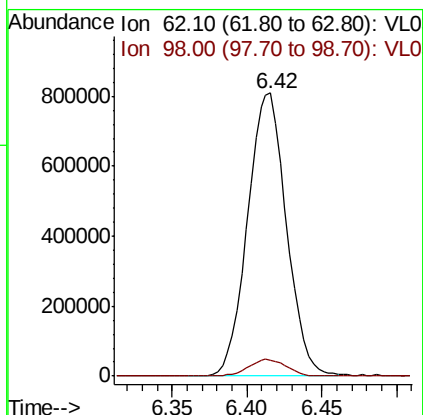
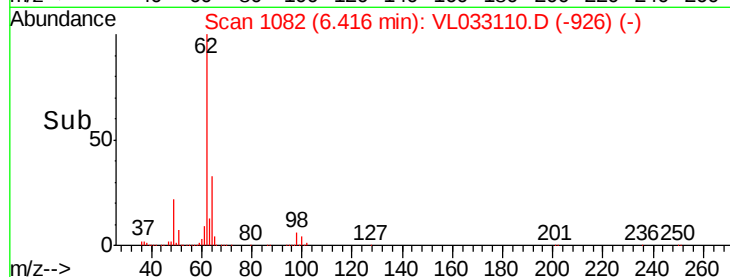
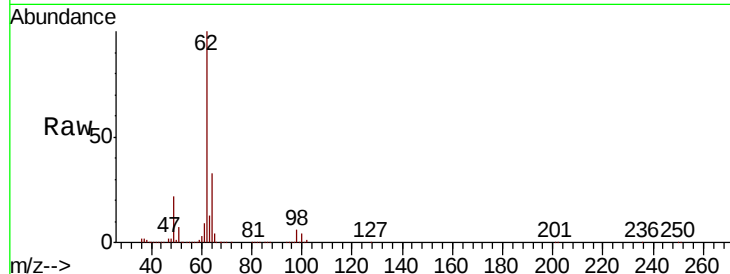
#37
1,2-Dichloroethane
Concen: 9.136 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 62 Resp: 1458554
Ion Ratio Lower Upper
62 100
98 5.9 4.6 7.0

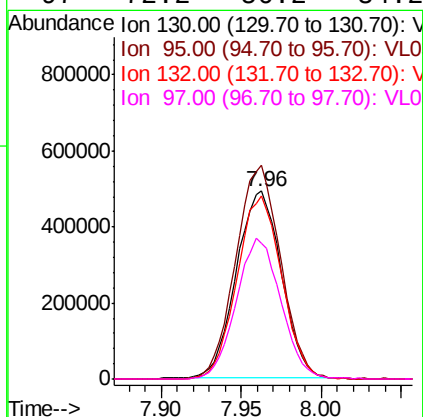
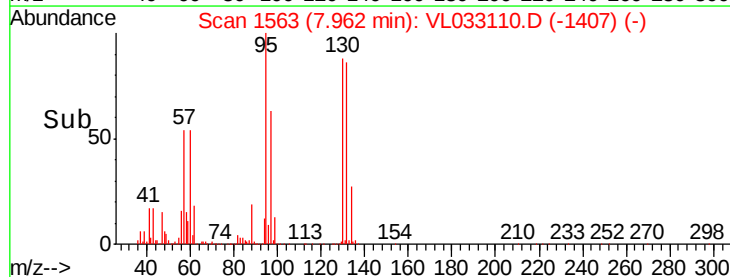
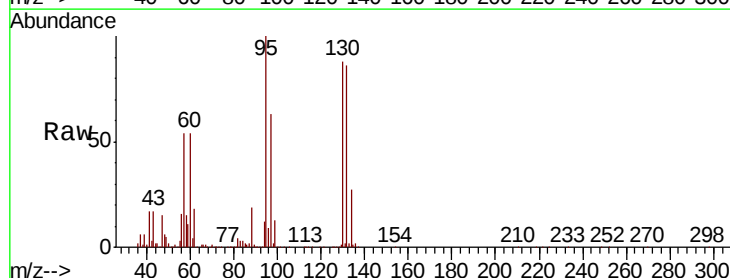
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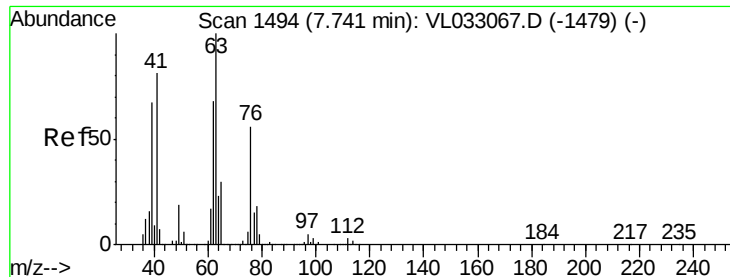
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#38
Trichloroethene
Concen: 10.087 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 130 Resp: 948886
Ion Ratio Lower Upper
130 100
95 113.8 88.6 132.8
132 98.0 74.2 111.2
97 72.2 56.2 84.2





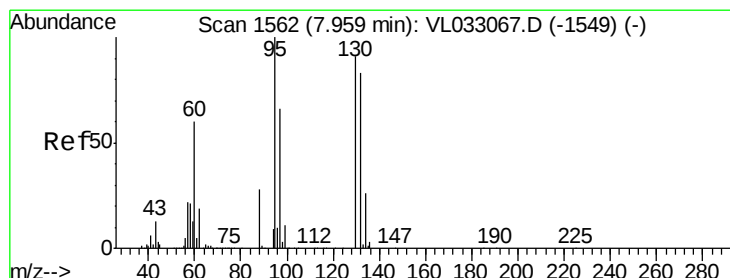
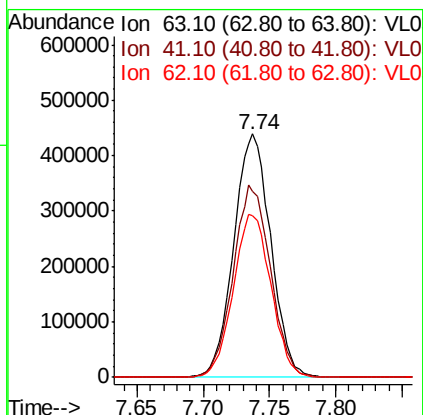
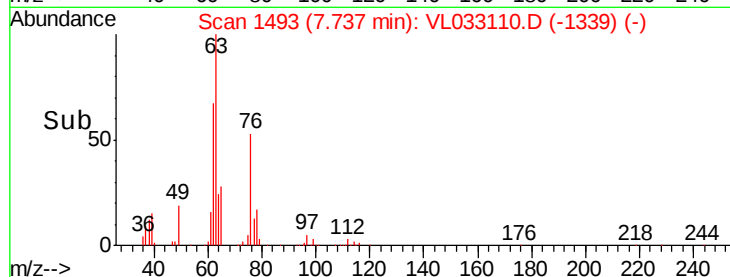
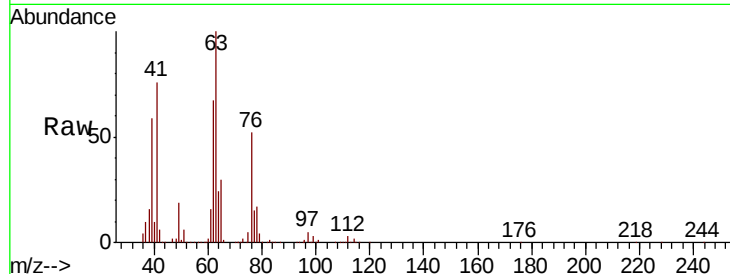
#39
 1,2-Dichloropropane
 Concen: 9.902 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 IDOC-3

Tgt Ion	Ratio	Lower	Upper
63	100		
41	76.3	61.9	92.9
62	66.4	55.8	83.6

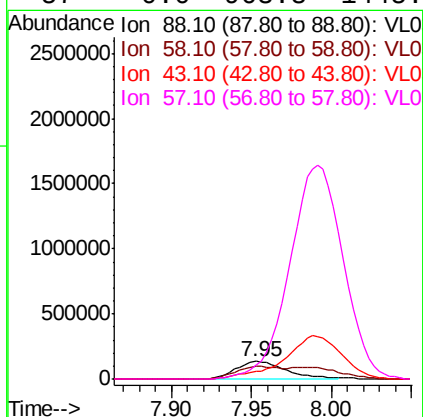
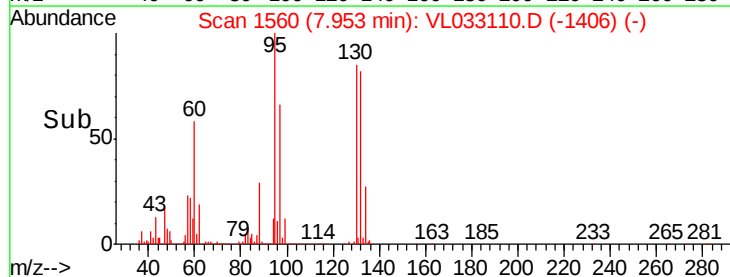
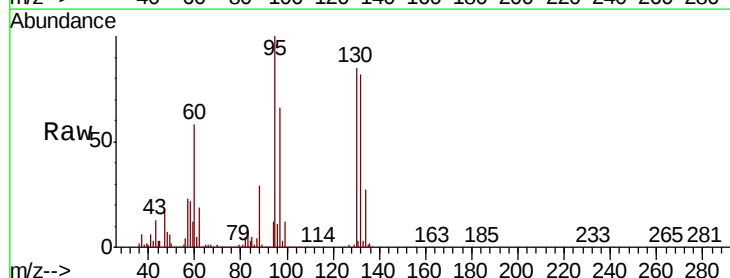
Manual Integrations
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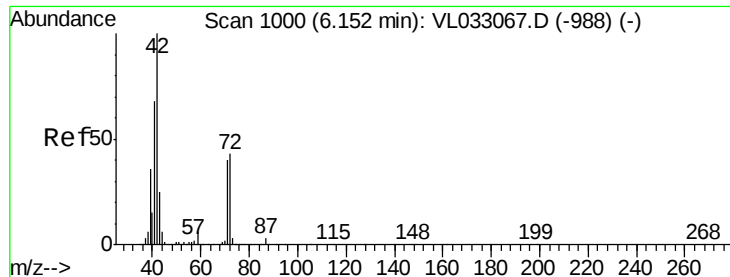
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#40
 1,4-Dioxane
 Concen: 8.732 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	134.9	101.9	152.9
43	0.0	212.6	319.0#
57	0.0	963.8	1445.6#





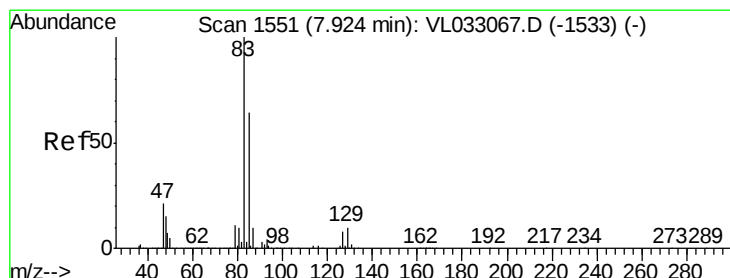
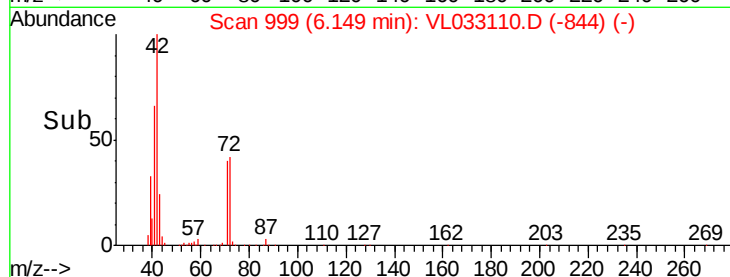
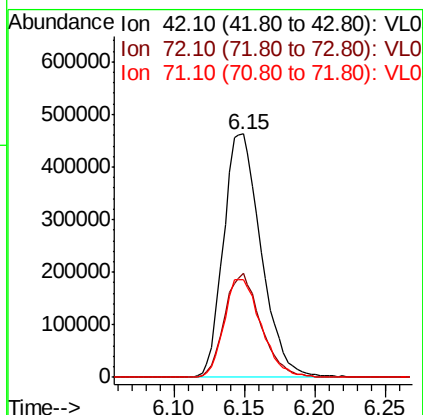
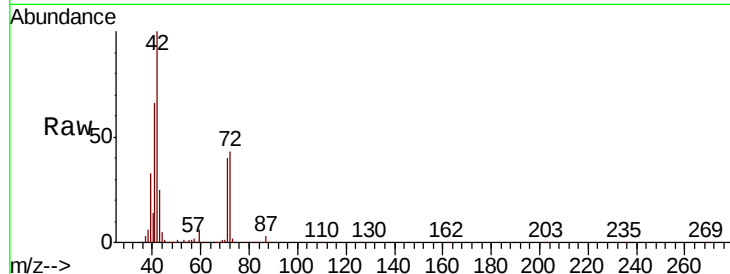
#41
Tetrahydrofuran
Concen: 10.454 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampled :
IDOC-3

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.9	49.3
71	39.9	31.8	47.6

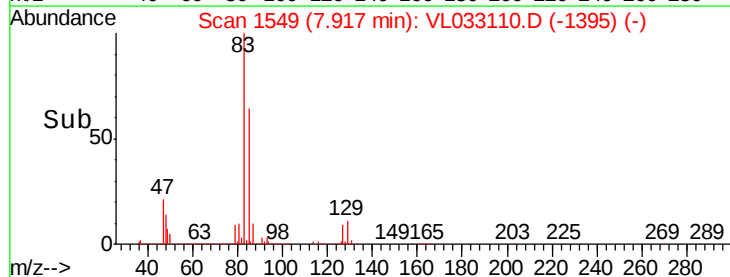
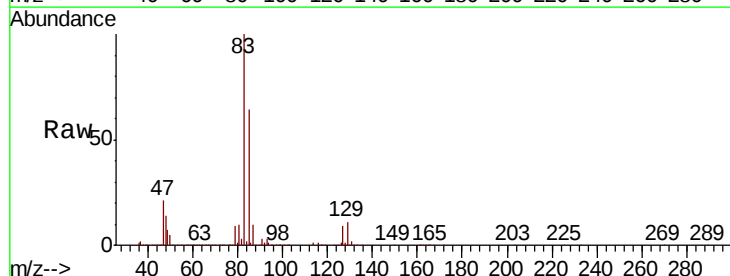
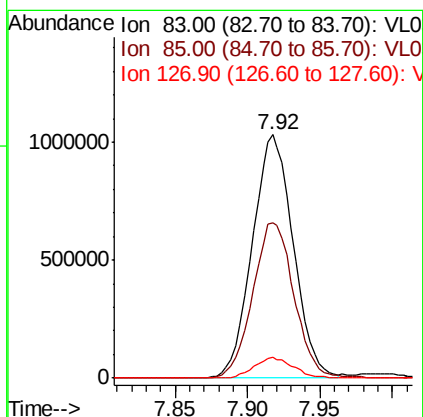
Manual Integrations
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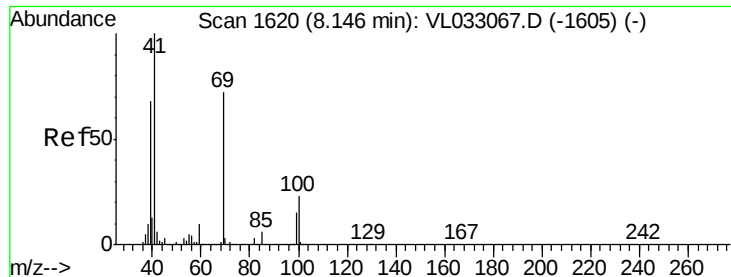
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#42
Bromodichloromethane
Concen: 9.229 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.4
127	8.6	6.5	9.7





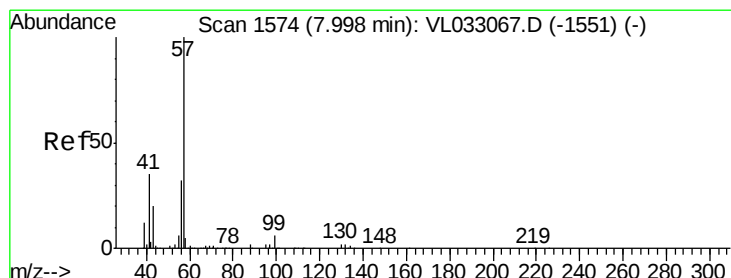
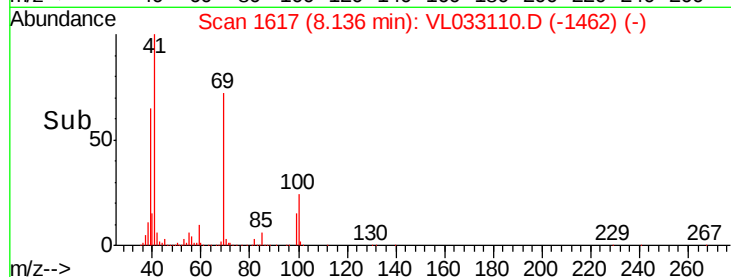
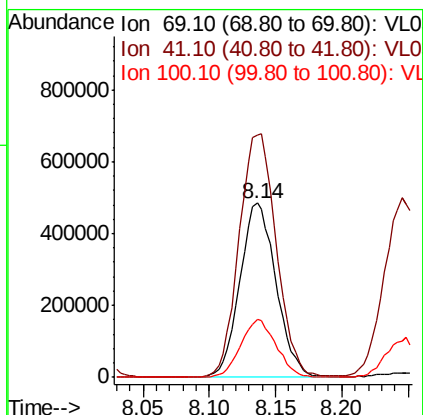
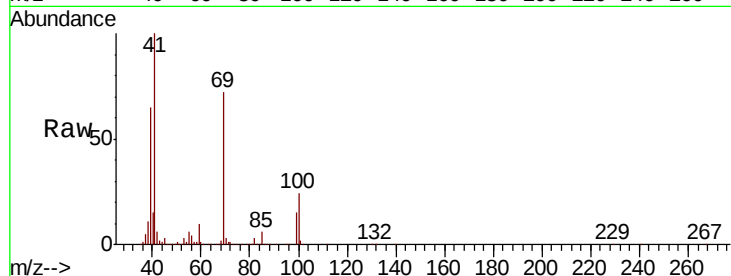
#43
Methyl Methacrylate
Concen: 10.721 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion	Ratio	Lower	Upper
69	100		
41	143.3	114.0	171.0
100	32.6	26.3	39.5

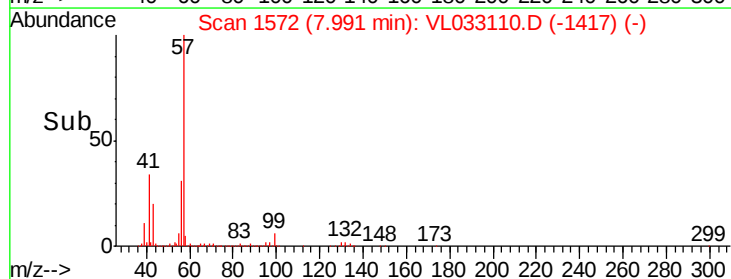
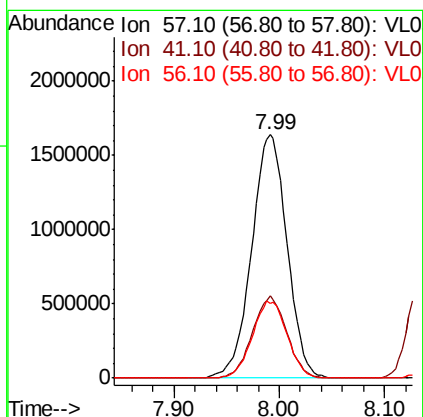
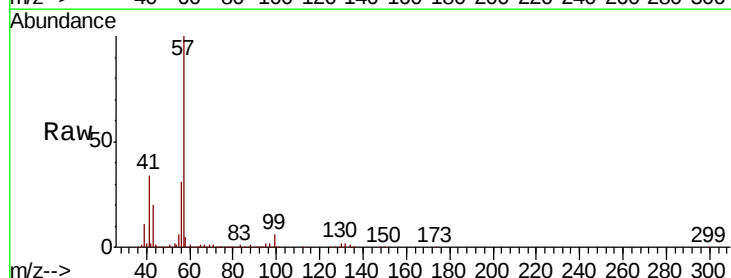
Manual Integrations
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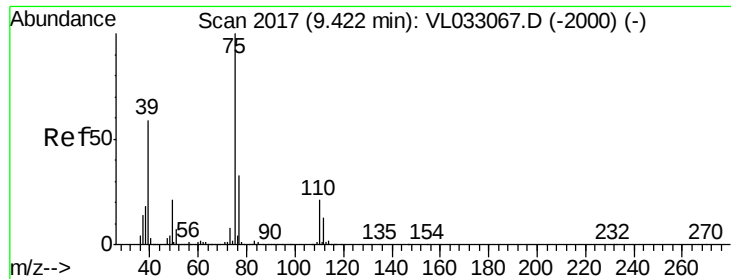
sam
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#44
2,2,4-Trimethylpentane
Concen: 9.883 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.2	39.2
56	31.2	24.9	37.3





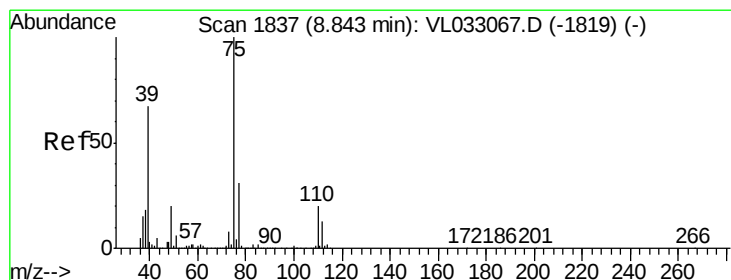
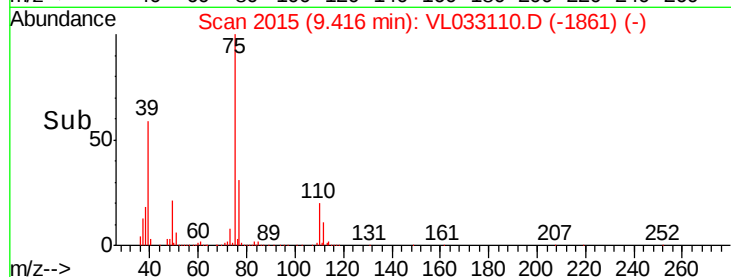
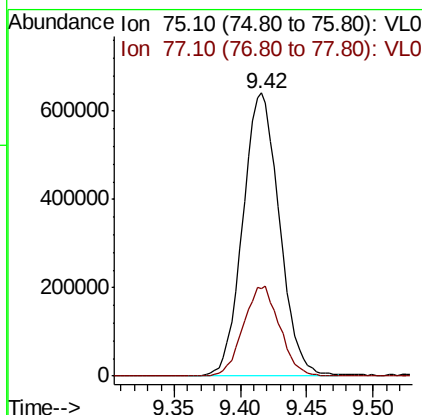
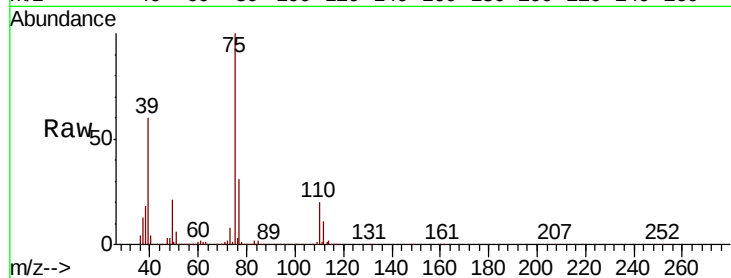
#45
 t-1,3-Dichloropropene
 Concen: 11.534 ppbv
 RT: 9.42 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 IDOC-3

Tgt Ion: 75 Resp: 1231882
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.8 37.2

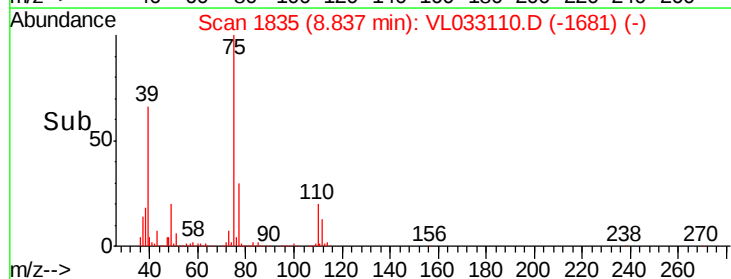
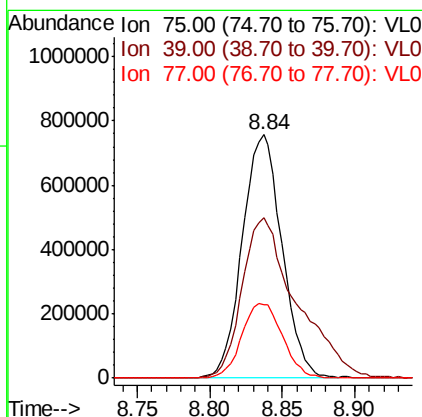
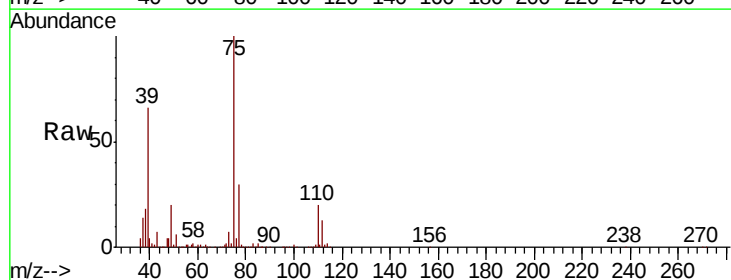
Manual Integrations
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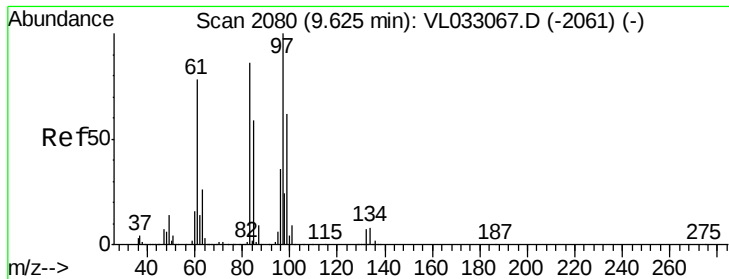
sam
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#46
 cis-1,3-Dichloropropene
 Concen: 11.826 ppbv
 RT: 8.84 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion: 75 Resp: 1441555
 Ion Ratio Lower Upper
 75 100
 39 65.6 51.3 76.9
 77 30.3 25.5 38.3





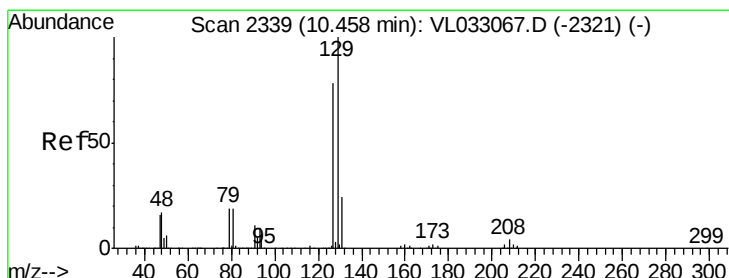
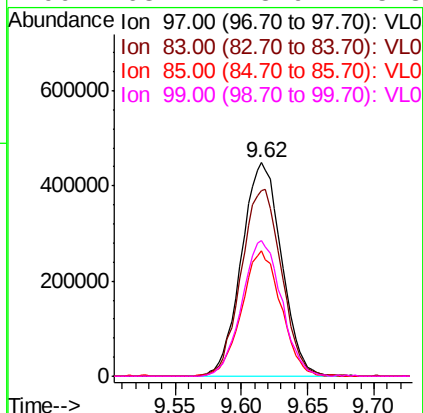
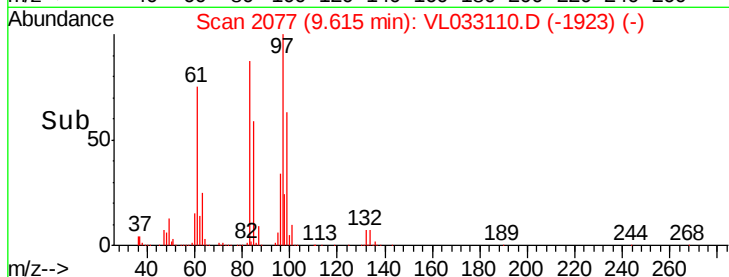
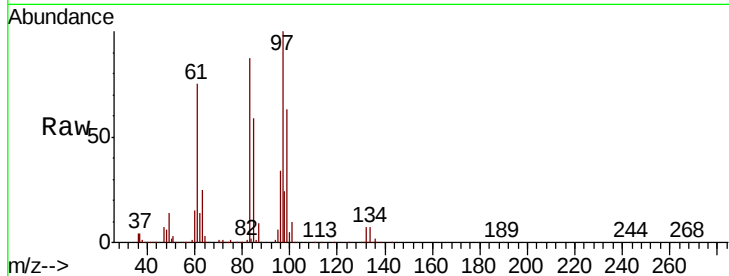
#47
 1,1,2-Trichloroethane
 Concen: 9.359 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 IDOC-3

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.4	104.2
85	58.4	44.2	66.2
99	63.4	48.9	73.3

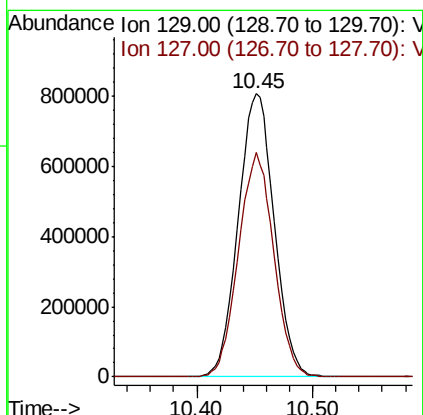
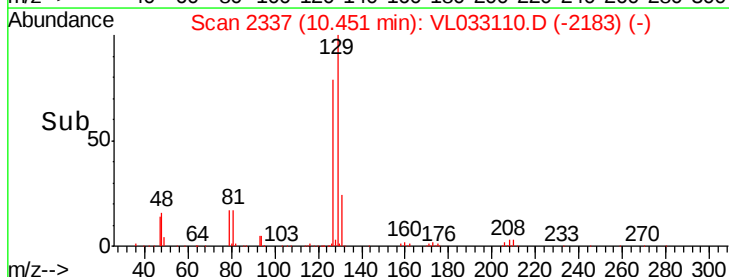
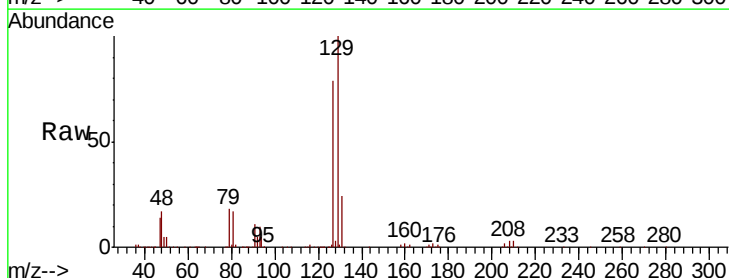
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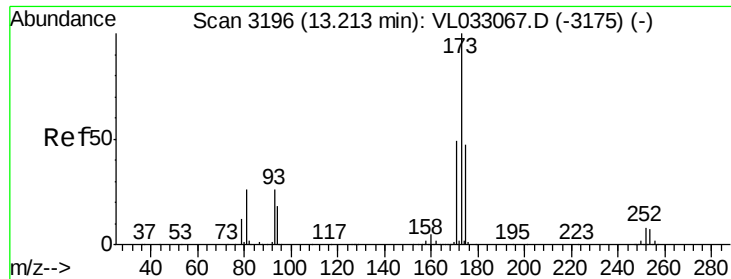
sam
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#48
 Dibromochloromethane
 Concen: 9.805 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.3





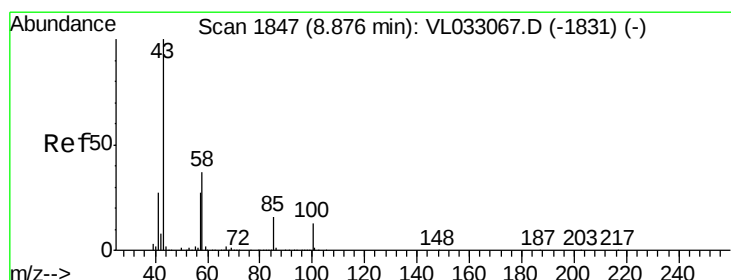
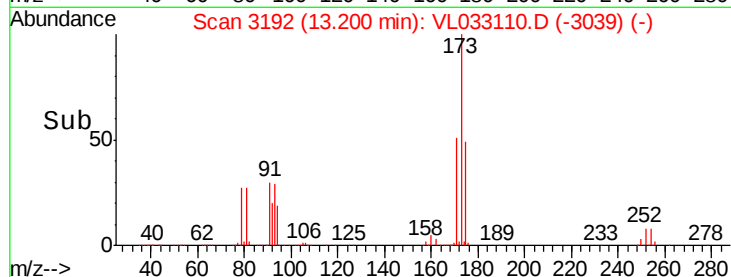
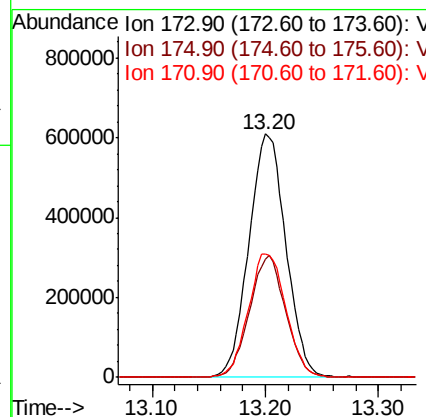
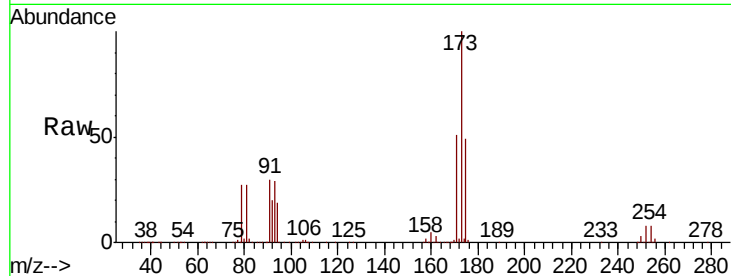
#49
Bromoform
Concen: 8.950 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampled :
IDOC-3

Tgt Ion: 173 Resp: 1386495
Ion Ratio Lower Upper
173 100
175 49.0 39.4 59.2
171 51.7 42.1 63.1

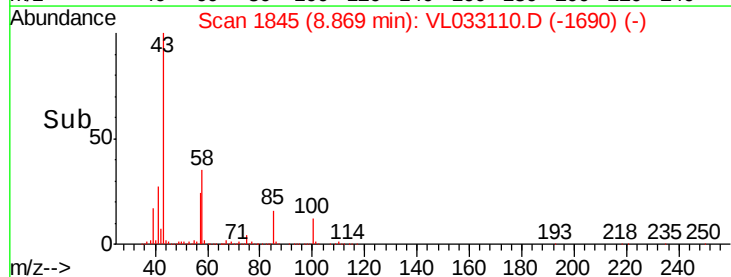
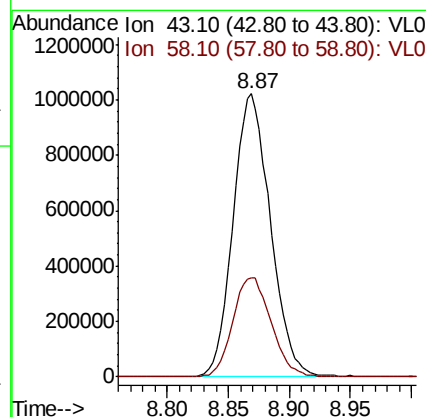
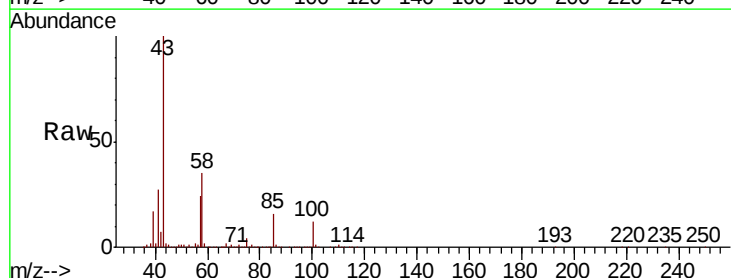
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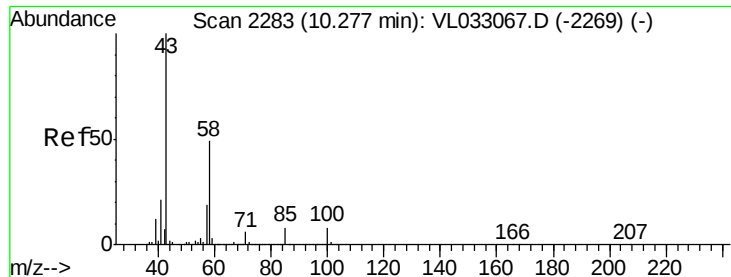
sam
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#50
4-Methyl-2-Pentanone
Concen: 10.525 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 43 Resp: 2163045
Ion Ratio Lower Upper
43 100
58 36.3 28.9 43.3





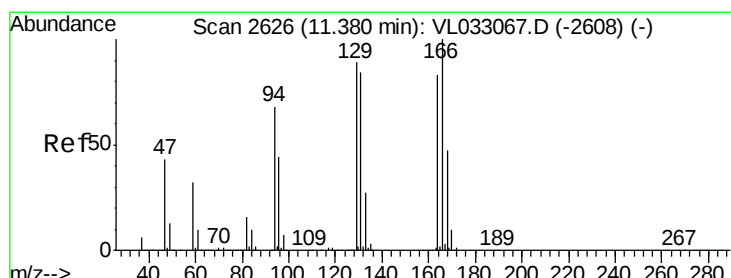
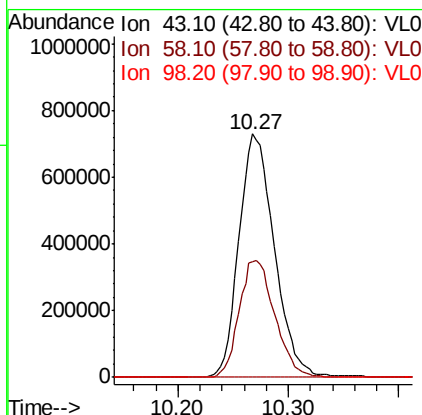
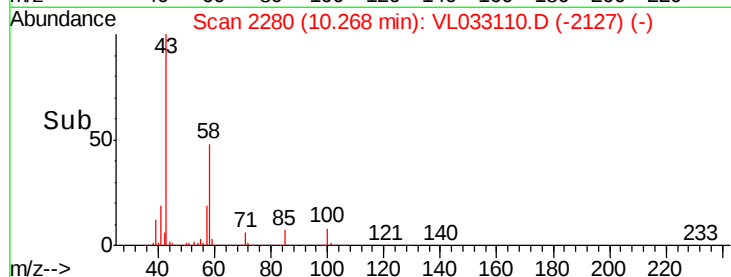
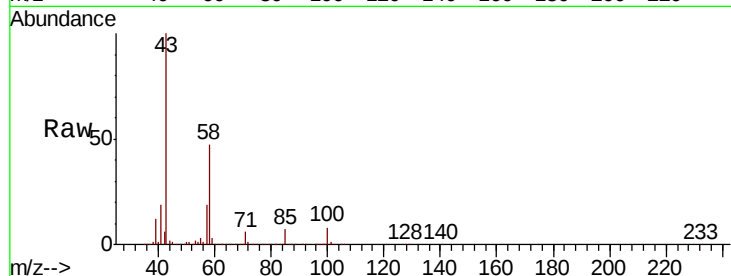
#51
2-Hexanone
Concen: 10.922 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 43 Resp: 1624216
Ion Ratio Lower Upper
43 100
58 48.6 39.0 58.6
98 0.2 0.4 0.6#

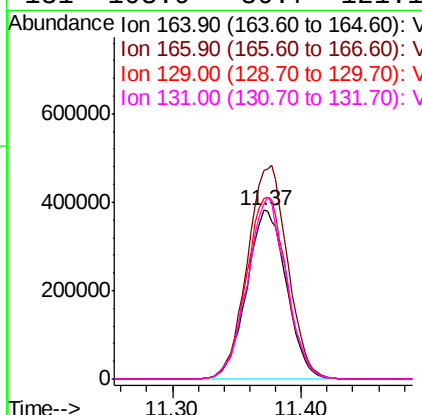
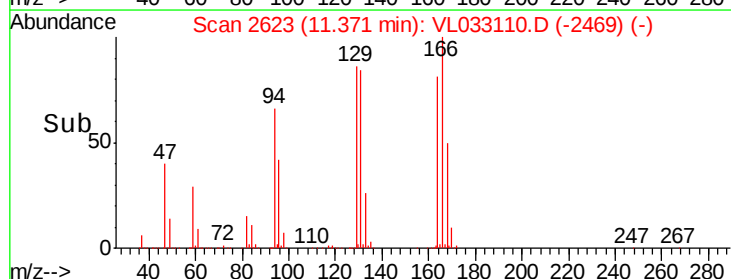
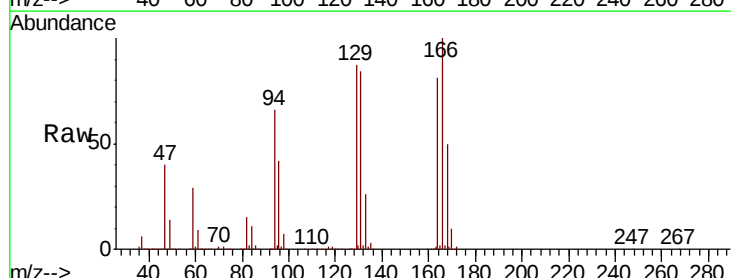
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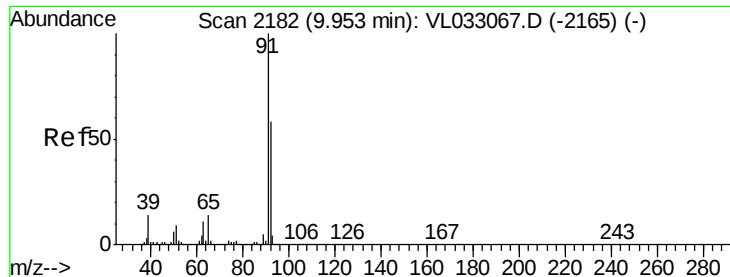
sam
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#52
Tetrachloroethene
Concen: 10.114 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 164 Resp: 817472
Ion Ratio Lower Upper
164 100
166 123.8 100.8 151.2
129 107.2 84.6 126.8
131 103.9 80.7 121.1





#53

Toluene

Concen: 10.845 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampleId :

IDOC-3

Tgt Ion: 91 Resp: 2657626

Ion Ratio Lower Upper

91 100

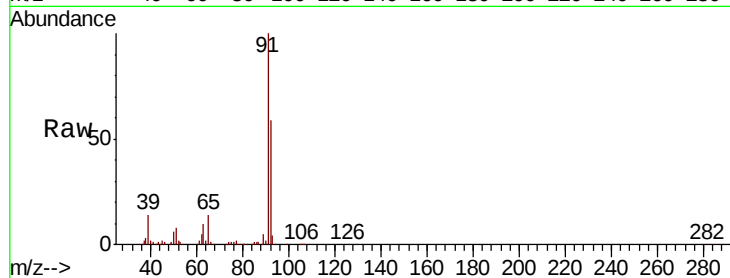
92 59.3 47.7 71.5

Manual Integrations

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sam

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

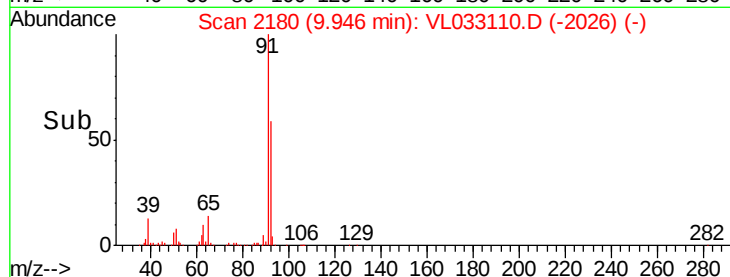
1500000

1000000

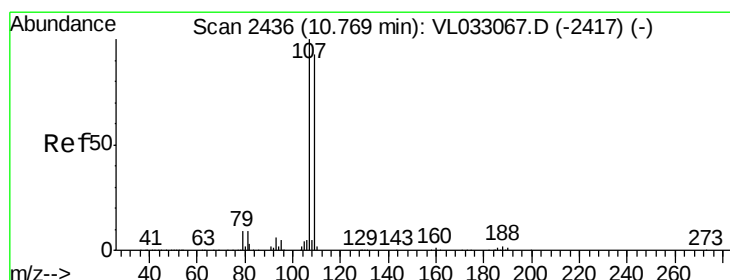
500000

0

9.90 9.95 10.00



Time-->



#54

1,2-Dibromoethane

Concen: 9.989 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL033110.D

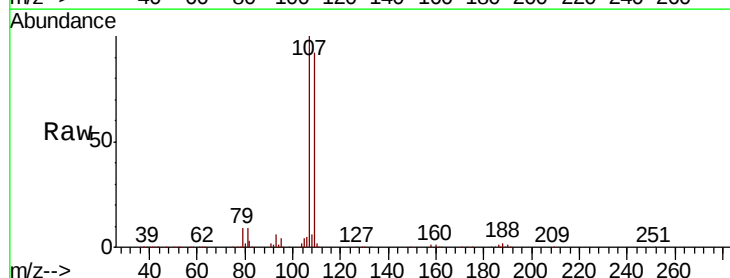
Acq: 17 Jan 2019 3:12

Tgt Ion: 107 Resp: 1444358

Ion Ratio Lower Upper

107 100

109 92.3 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

800000

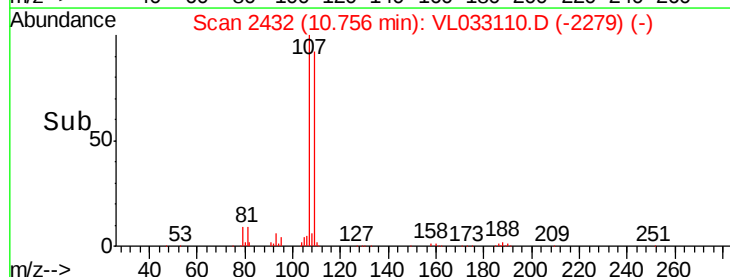
600000

400000

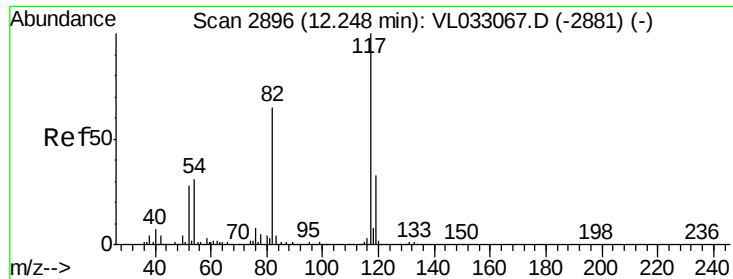
200000

0

10.70 10.76 10.80



Time-->



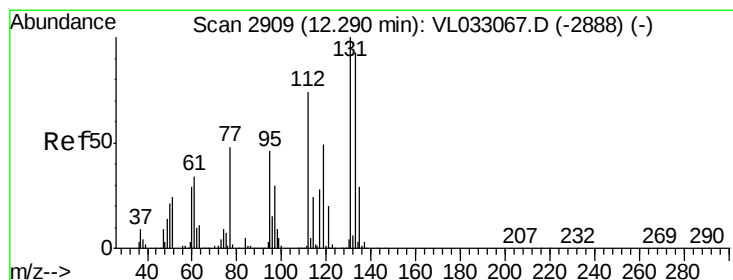
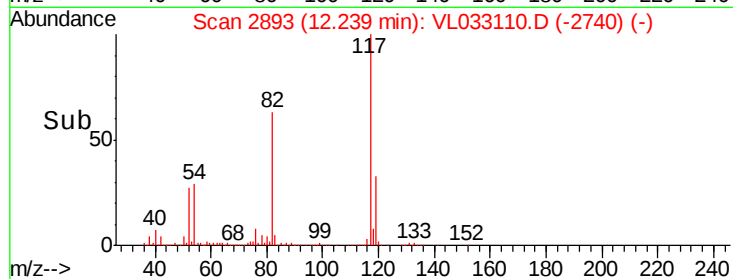
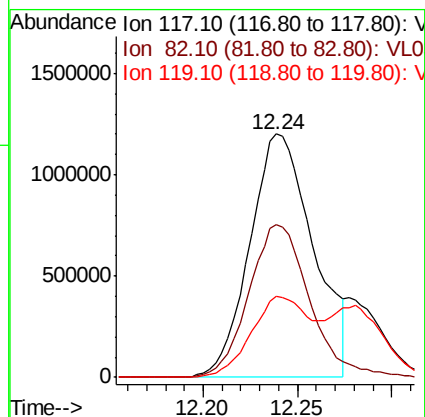
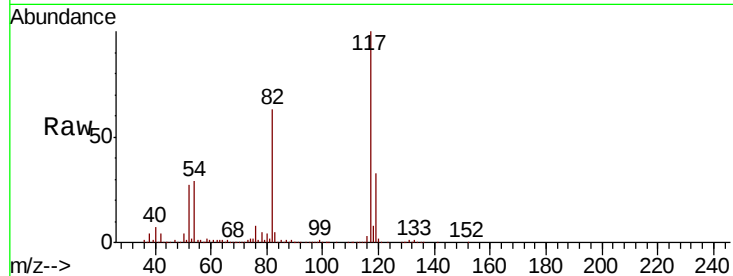
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:117 Resp: 2822633
Ion Ratio Lower Upper
117 100
82 60.1 48.9 73.3
119 32.5 24.6 37.0

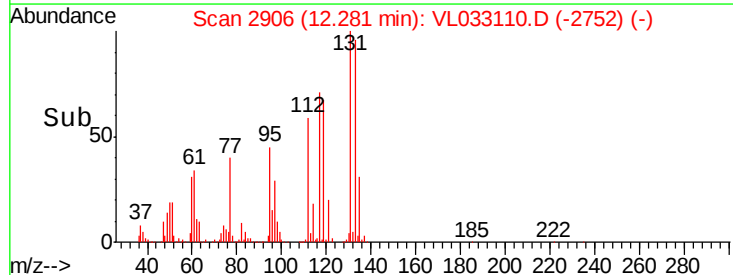
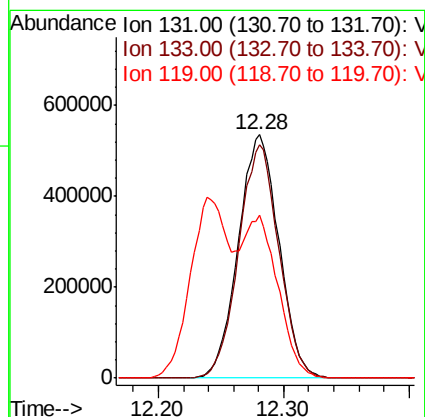
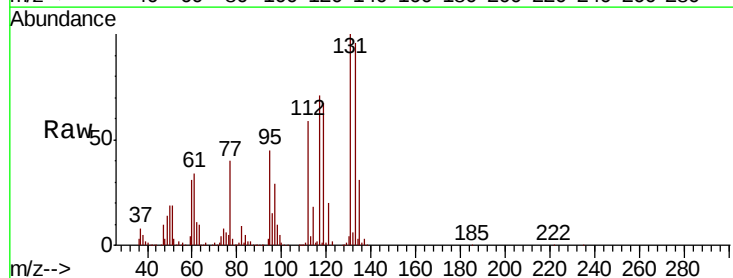
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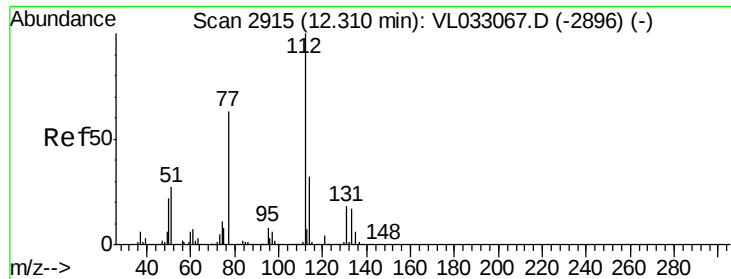
sam
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.230 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:131 Resp: 1200241
Ion Ratio Lower Upper
131 100
133 95.3 76.0 114.0
119 59.9 44.2 66.2





#57

Chlorobenzene

Concen: 8.465 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampleId :

IDOC-3

Tgt Ion: 112 Resp: 1994388

Ion Ratio Lower Upper

112 100

77 64.4 53.4 80.0

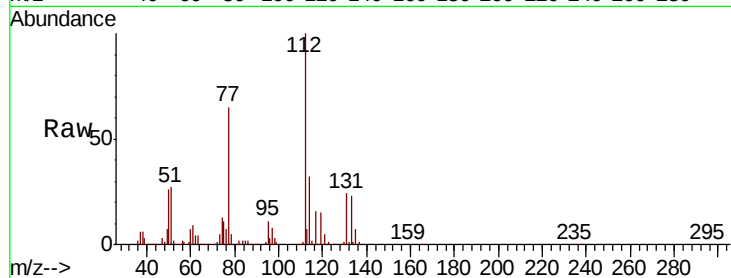
114 31.6 30.0 36.6

Manual Integrations

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sam

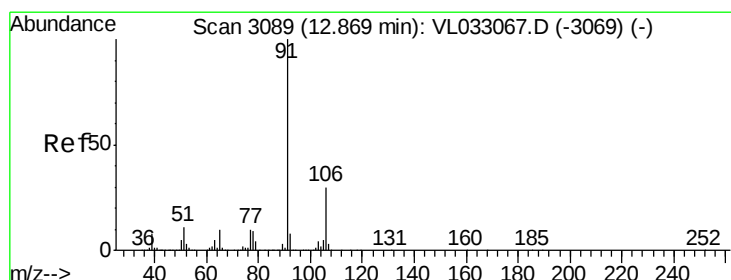
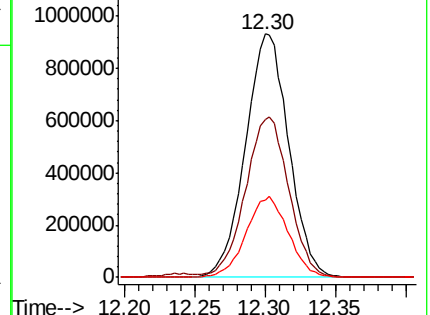
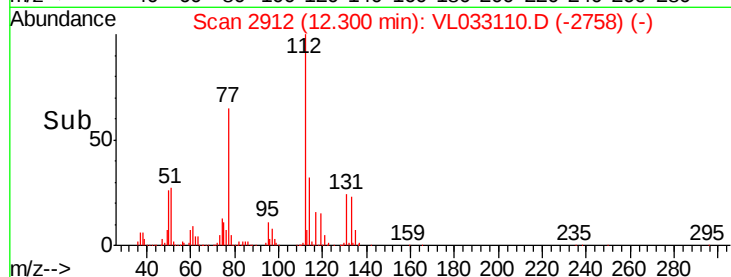
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.740 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL033110.D

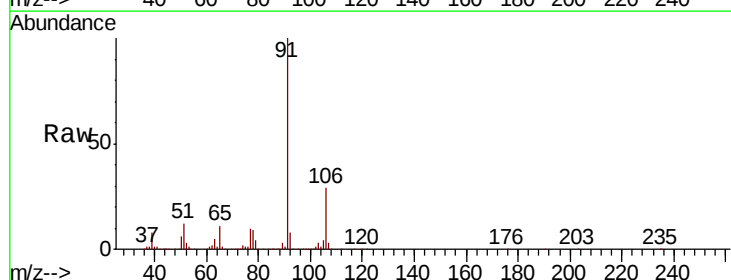
Acq: 17 Jan 2019 3:12

Tgt Ion: 91 Resp: 3471220

Ion Ratio Lower Upper

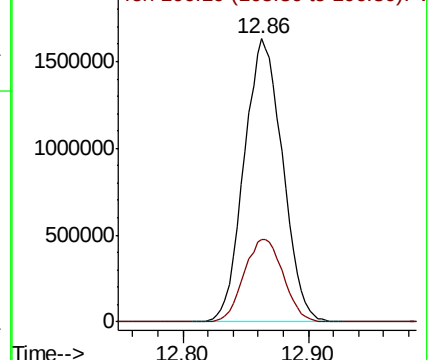
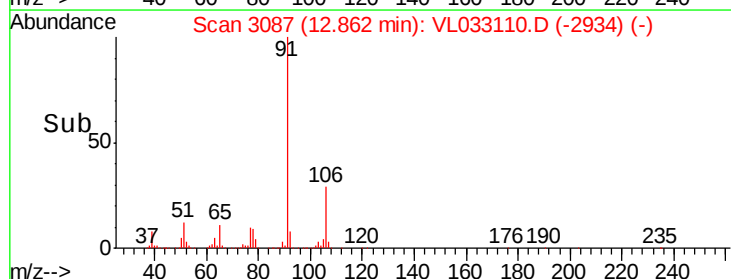
91 100

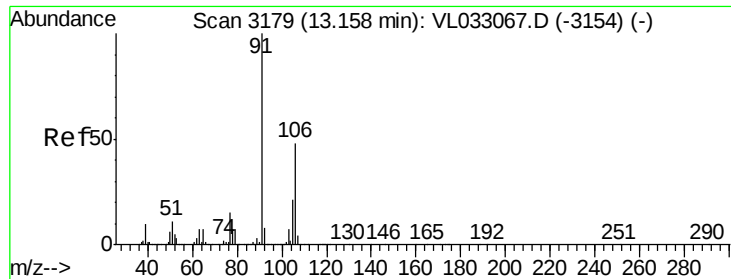
106 29.0 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





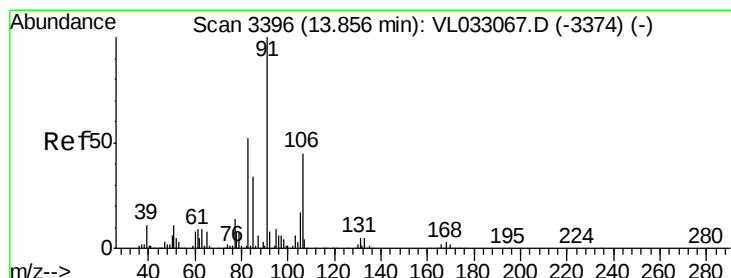
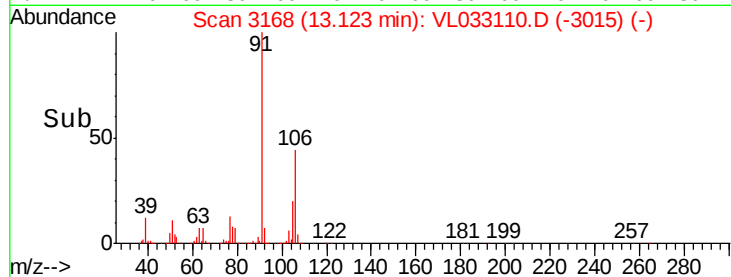
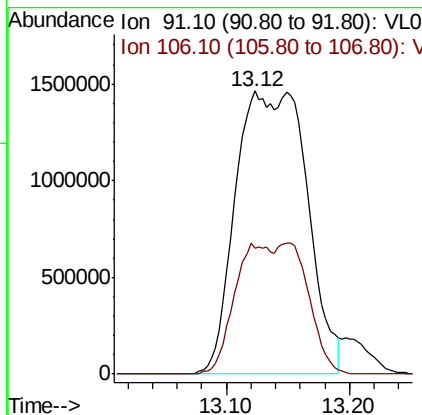
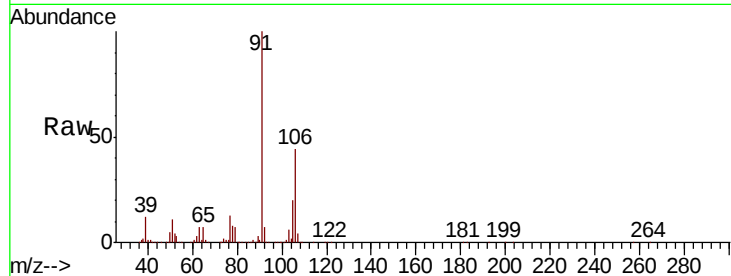
#59
m/p-Xylene
Concen: 17.780 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 91 Resp: 5861671
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

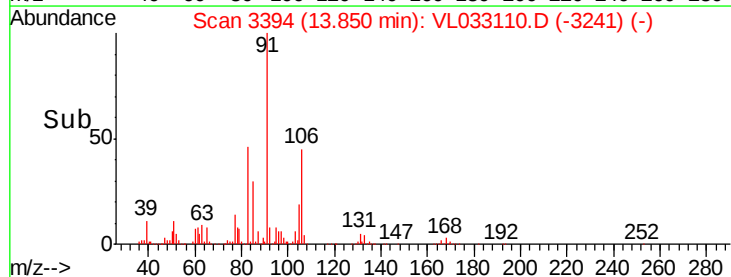
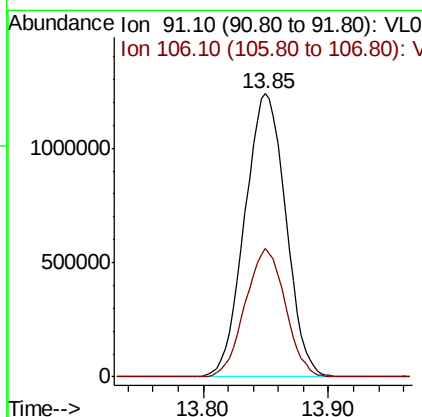
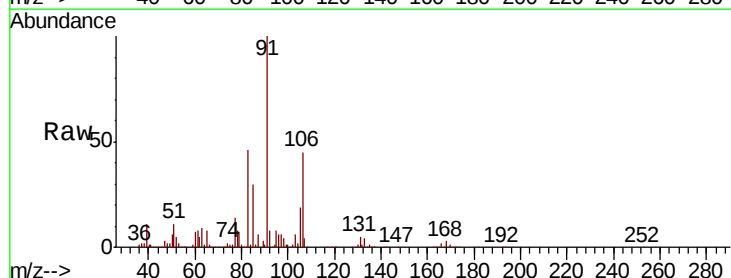
Manual Integrations
APPROVED

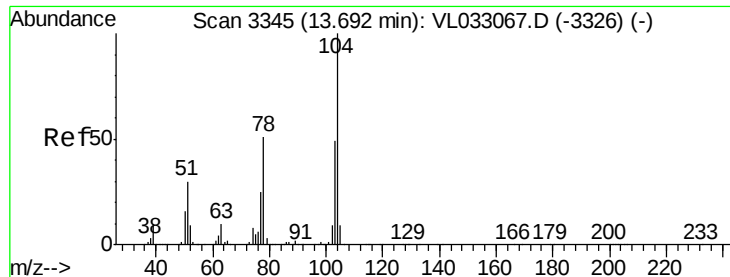
sam
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#60
o-Xylene
Concen: 8.728 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 91 Resp: 2816933
Ion Ratio Lower Upper
91 100
106 44.2 22.1 66.5





#61

Styrene

Concen: 10.227 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampled :

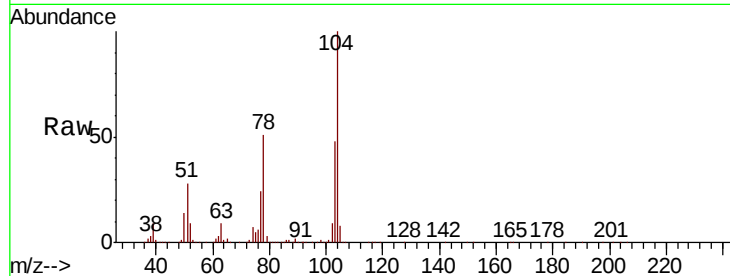
IDOC-3

Tgt Ion:104 Resp: 2106184

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	47.7	38.1	57.1

Manual Integrations
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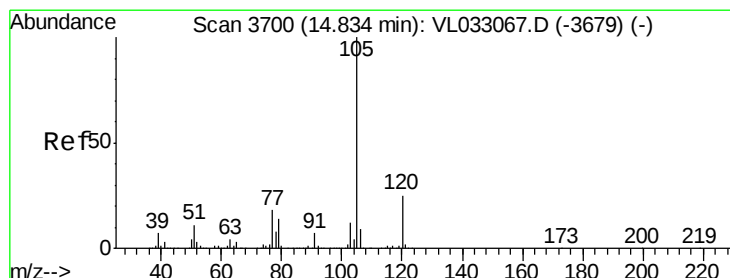
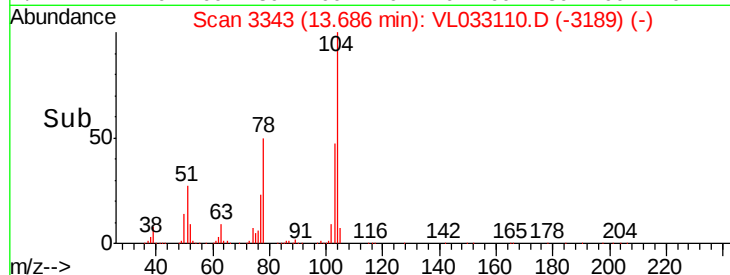
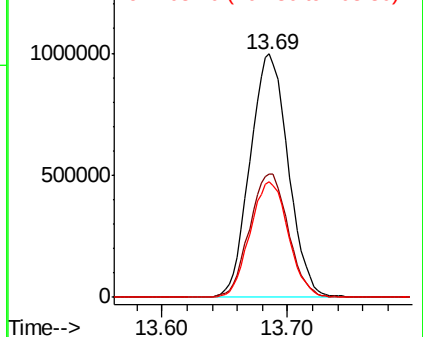
sam
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.622 ppbv

RT: 14.83 min Scan# 3698

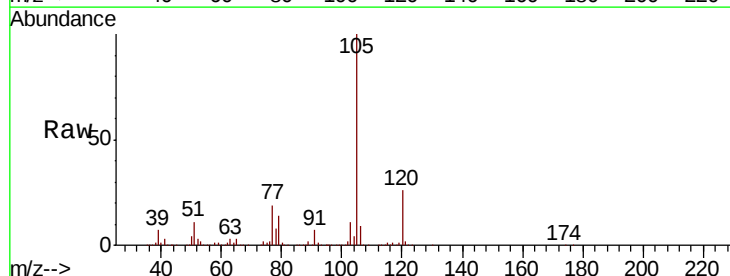
Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

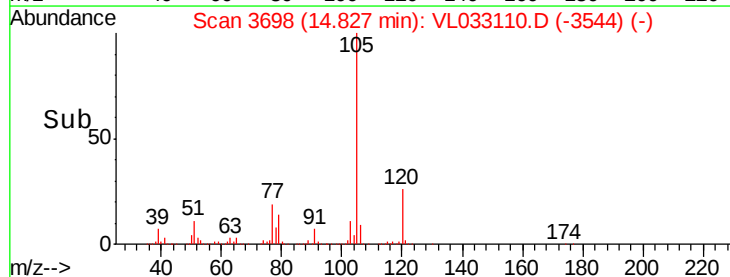
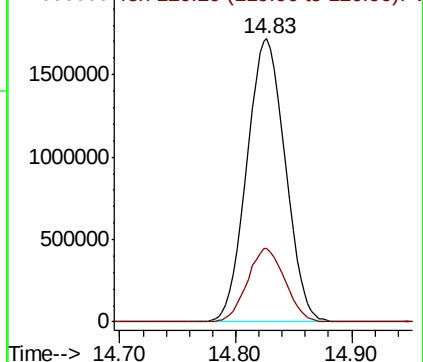
Tgt Ion:105 Resp: 3959925

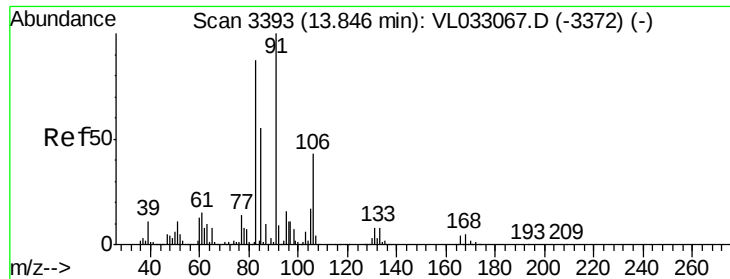
Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.4	30.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





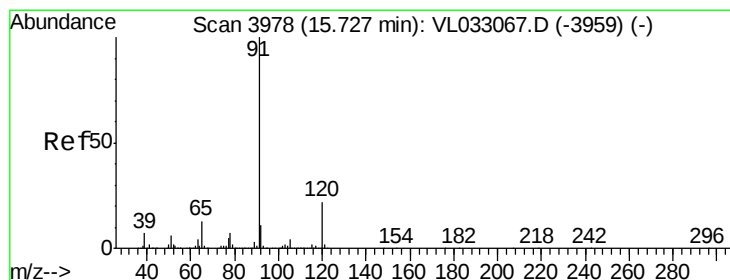
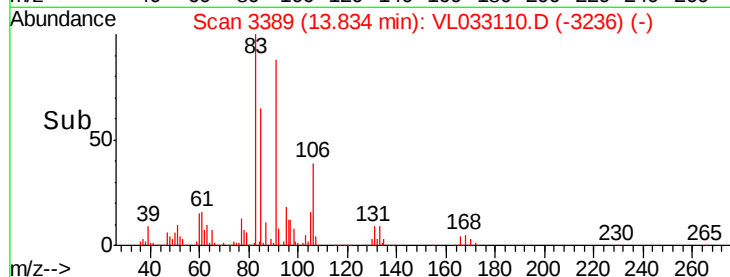
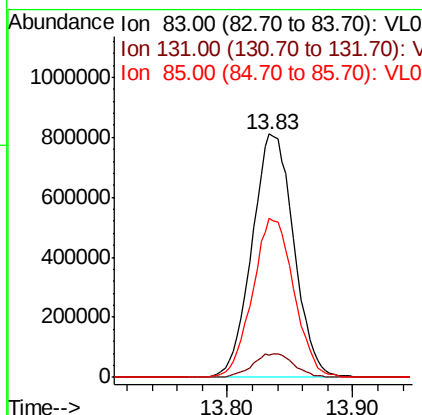
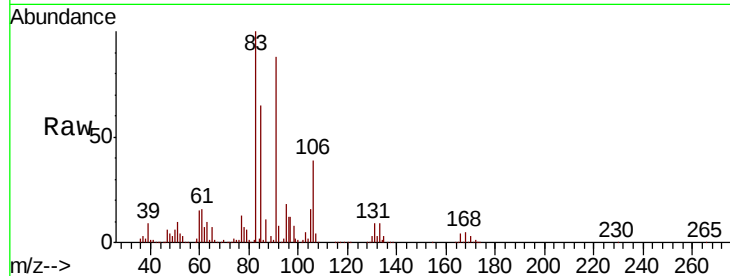
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.836 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampled :
 IDOC-3

Tgt Ion: 83 Resp: 1878623
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.4
 85 64.7 32.6 97.8

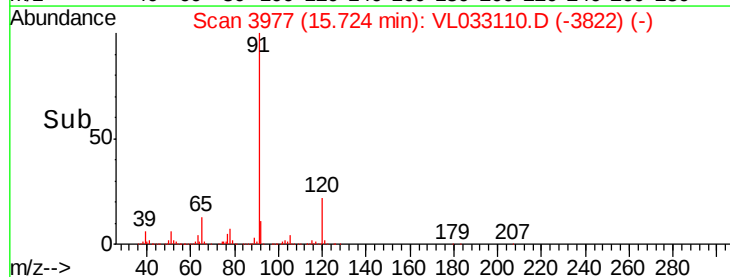
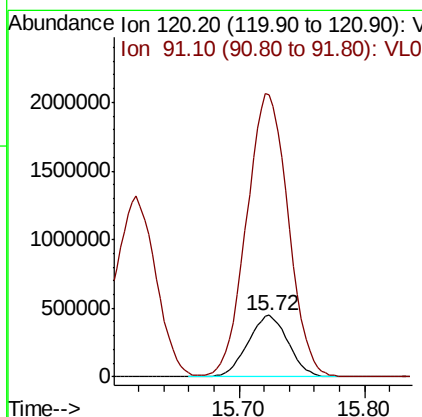
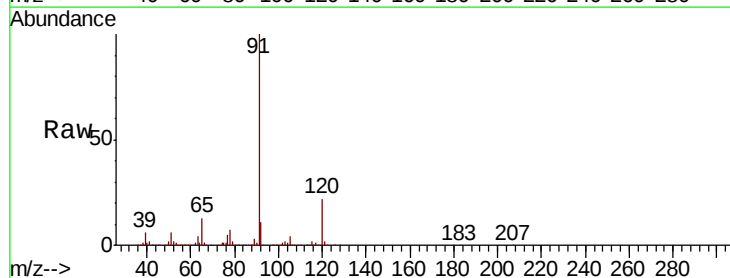
Manual Integrations
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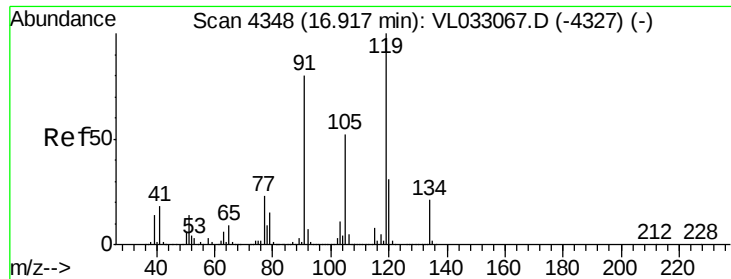
sam
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#64
 n-propylbenzene
 Concen: 8.603 ppbv
 RT: 15.72 min Scan# 3977
 Delta R.T. -0.00 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion: 120 Resp: 1003825
 Ion Ratio Lower Upper
 120 100
 91 476.2 378.7 568.1





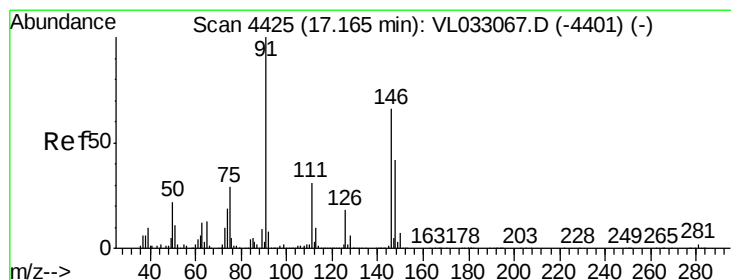
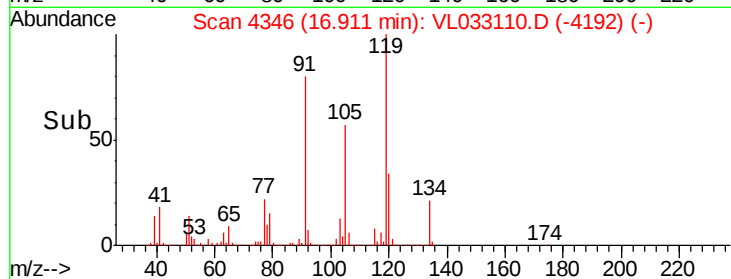
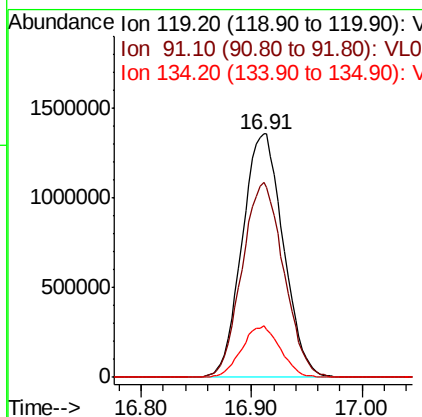
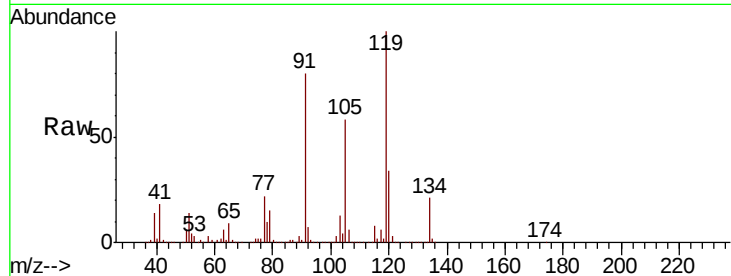
#65
tert-Butylbenzene
Concen: 8.613 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampled :
IDOC-3

Tgt Ion: 119 Resp: 3504234
Ion Ratio Lower Upper
119 100
91 81.3 64.6 97.0
134 19.8 15.8 23.8

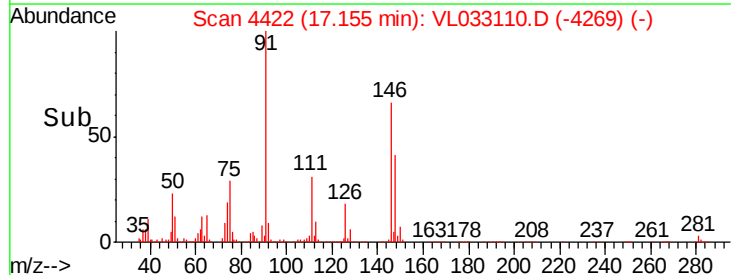
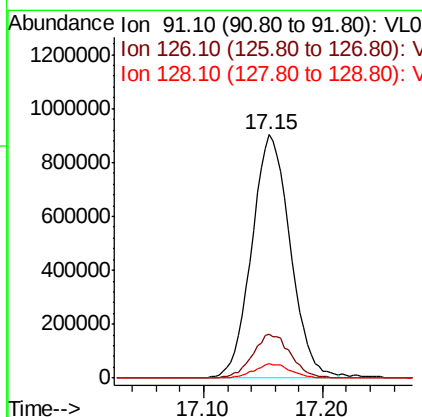
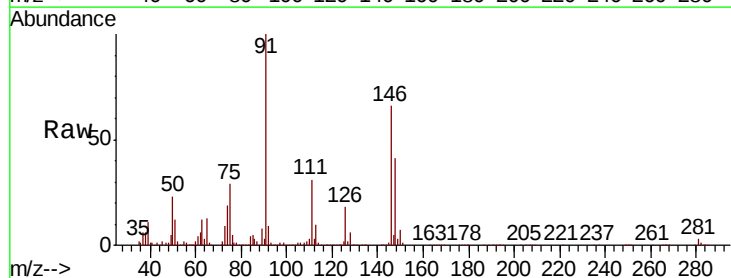
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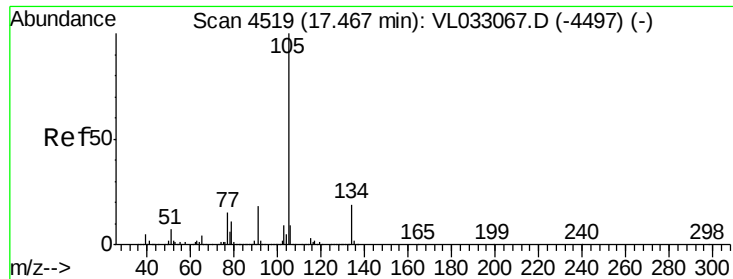
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#66
Benzyl Chloride
Concen: 8.710 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 91 Resp: 2019642
Ion Ratio Lower Upper
91 100
126 18.0 14.4 21.6
128 5.7 4.5 6.7





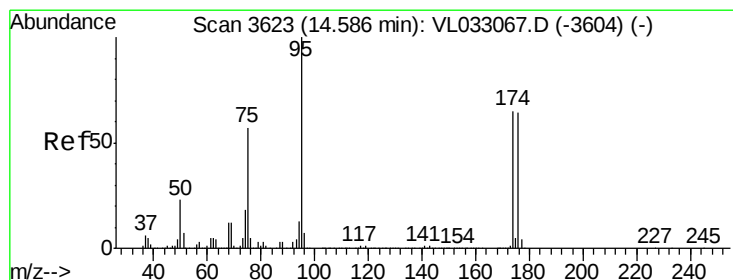
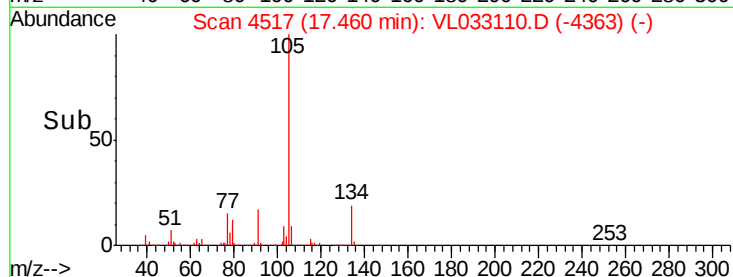
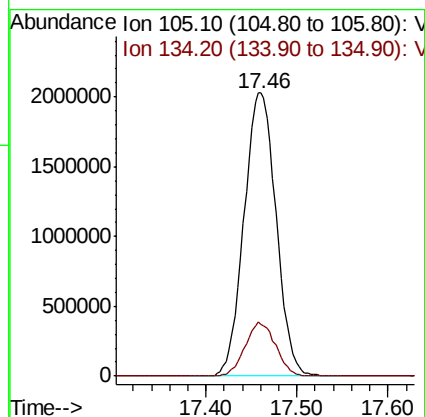
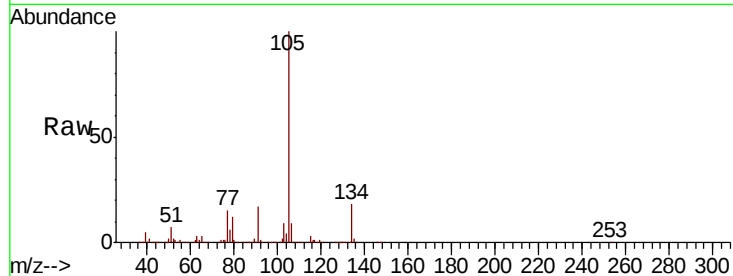
#67
 sec-Butylbenzene
 Concen: 8.524 ppbv
 RT: 17.46 min Scan# 4517
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 IDOC-3

Tgt Ion: 105 Resp: 4962853
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 21.8

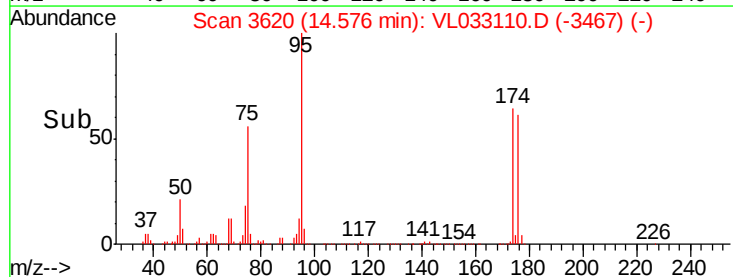
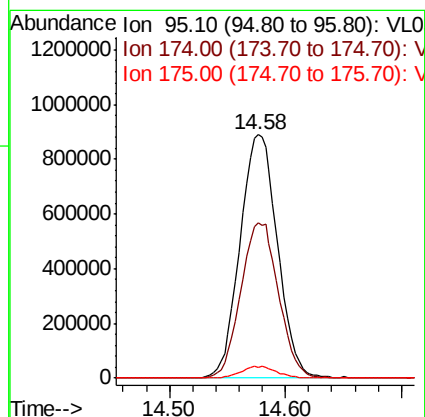
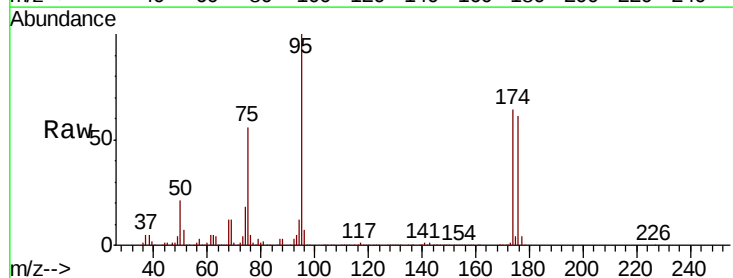
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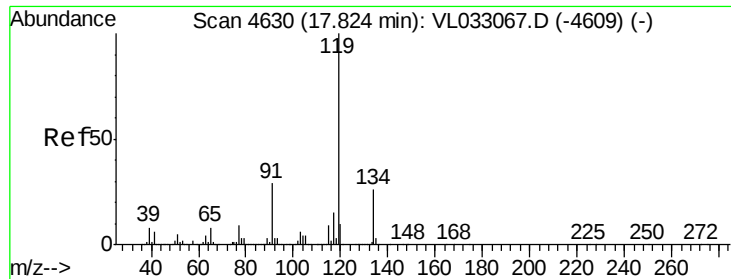
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.227 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion: 95 Resp: 1996467
 Ion Ratio Lower Upper
 95 100
 174 64.4 51.9 77.9
 175 4.8 3.9 5.9





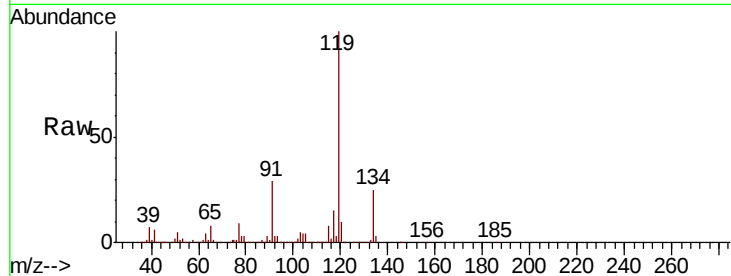
#69
p-Isopropyltoluene
Concen: 8.861 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampled :
IDOC-3

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.1	30.1
91	28.6	23.0	34.4

Manual Integrations
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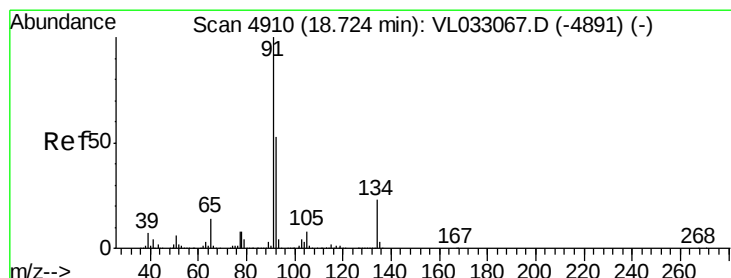
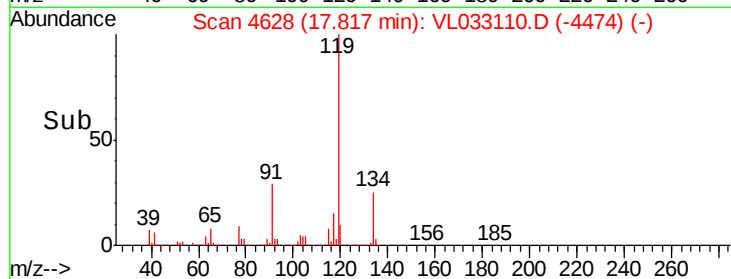
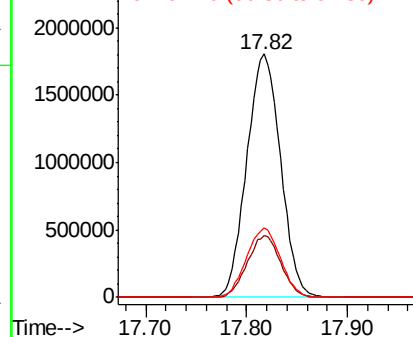


Abundance

Ion 119.10 (118.80 to 119.80): V

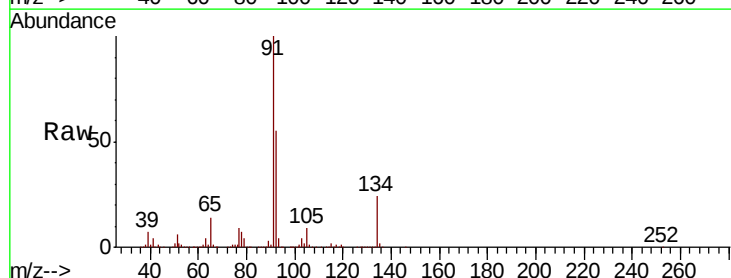
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
n-Butylbenzene
Concen: 9.083 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	42.4	63.6
134	22.9	18.0	27.0

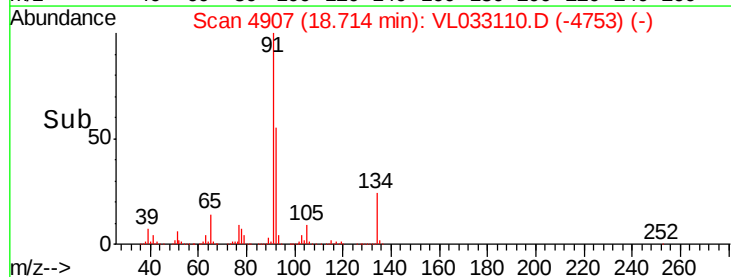
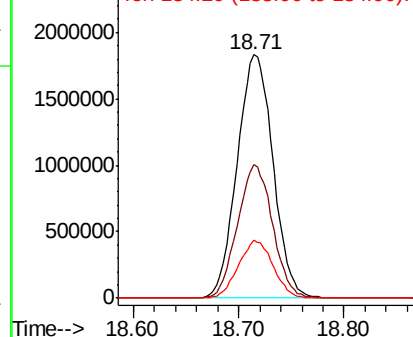


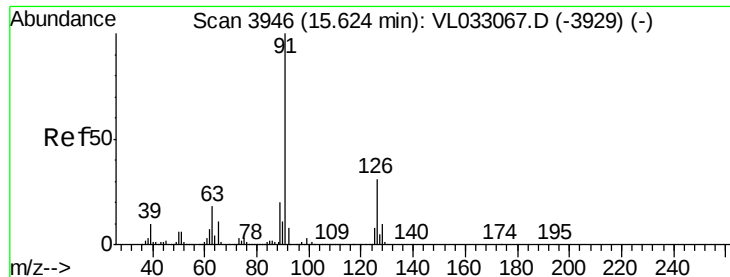
Abundance

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: 8.979 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampleId :

IDOC-3

Tgt Ion: 91 Resp: 2924730

Ion Ratio Lower Upper

91 100

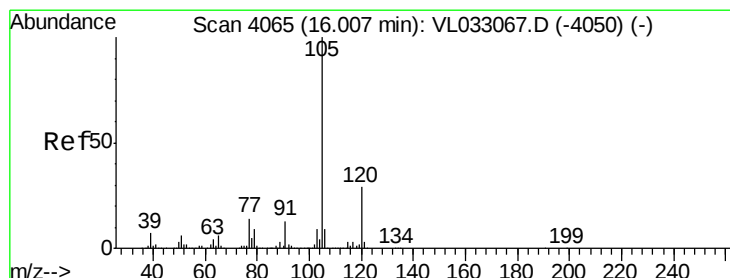
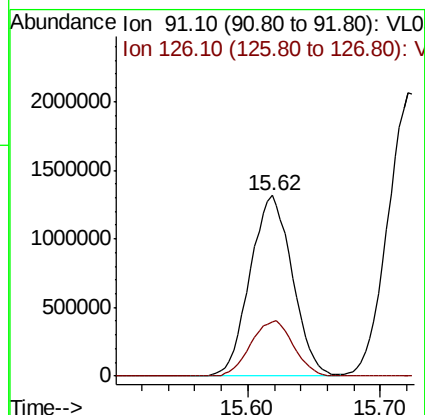
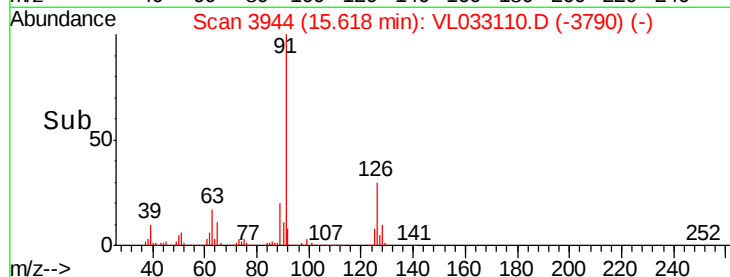
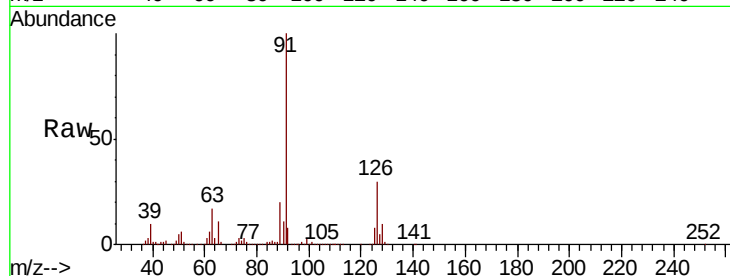
126 31.1 12.4 49.6

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.075 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Tgt Ion: 105 Resp: 3218681

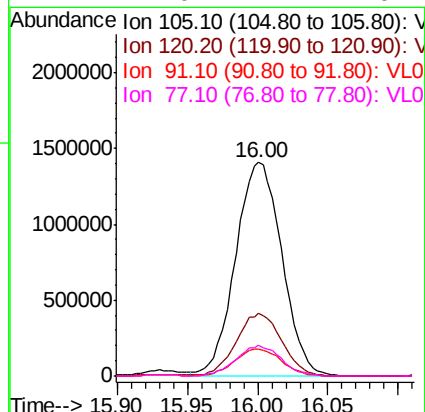
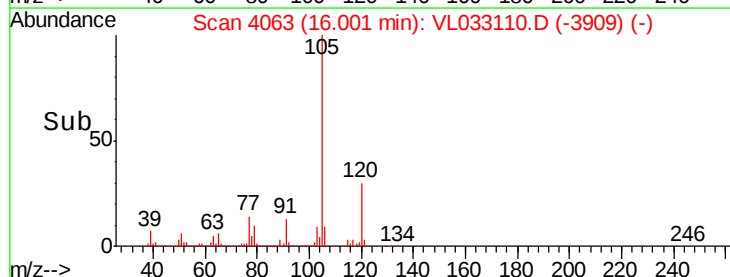
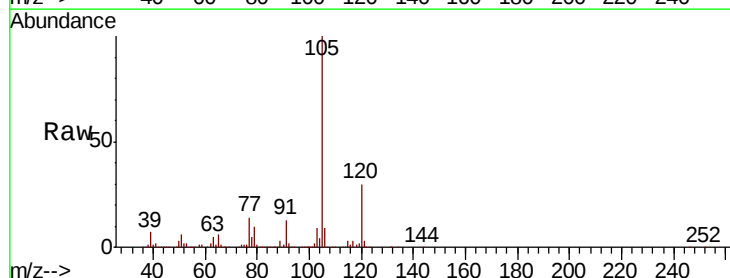
Ion Ratio Lower Upper

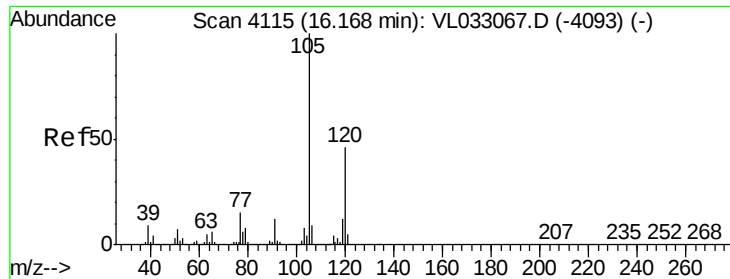
105 100

120 29.0 23.0 34.6

91 12.9 10.3 15.5

77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.791 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampled :

IDOC-3

Tgt Ion:105 Resp: 3076552

Ion Ratio Lower Upper

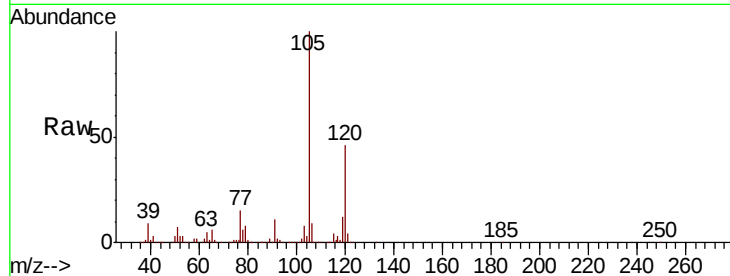
105 100

120 45.7 36.1 54.1

Manual Integrations
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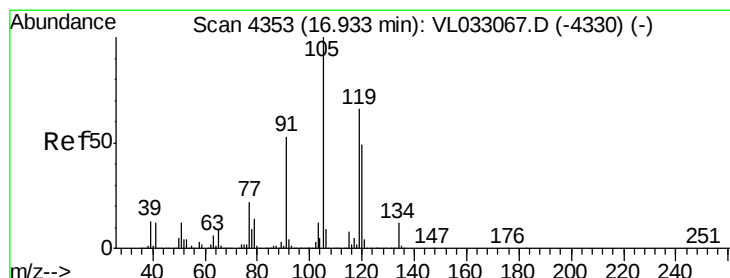
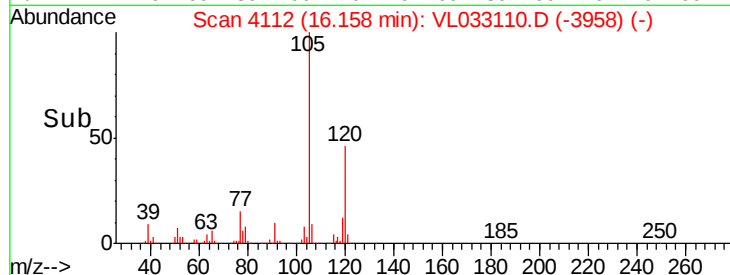
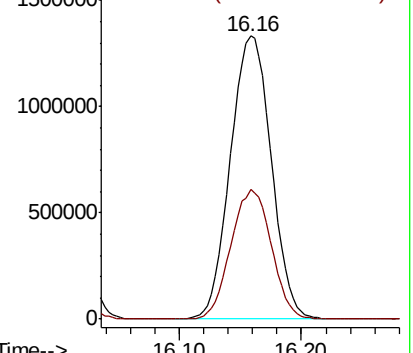
sam

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.312 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Tgt Ion:105 Resp: 3221629

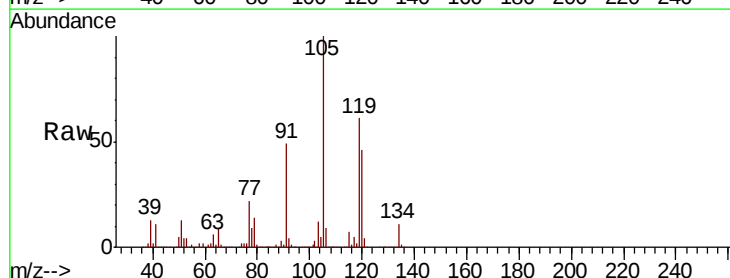
Ion Ratio Lower Upper

105 100

120 46.2 37.0 55.4

91 48.6 35.4 53.0

77 22.3 17.1 25.7

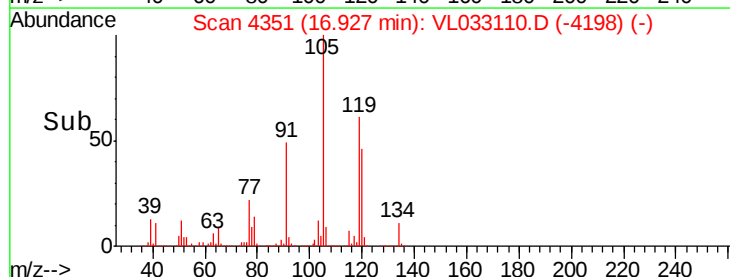
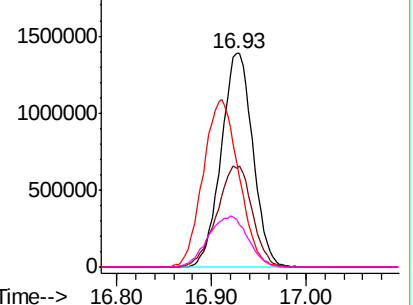


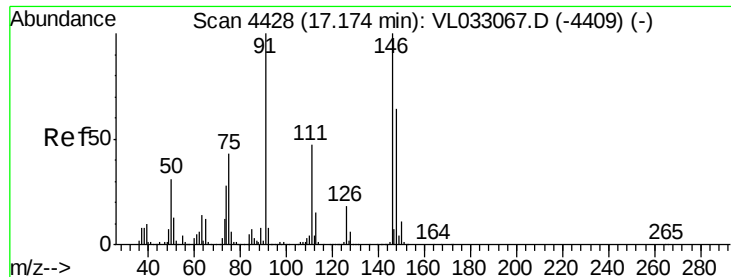
Abundance Ion 105.10 (104.80 to 105.80): V

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





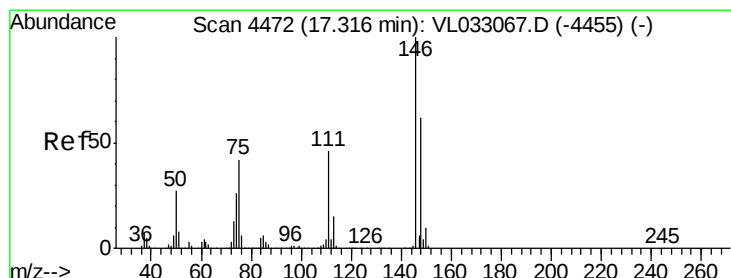
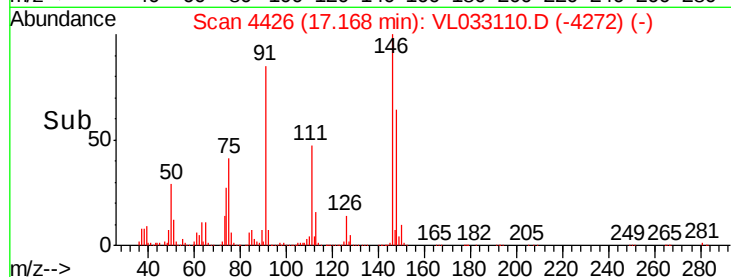
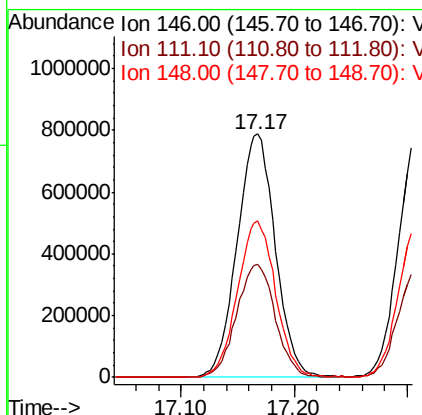
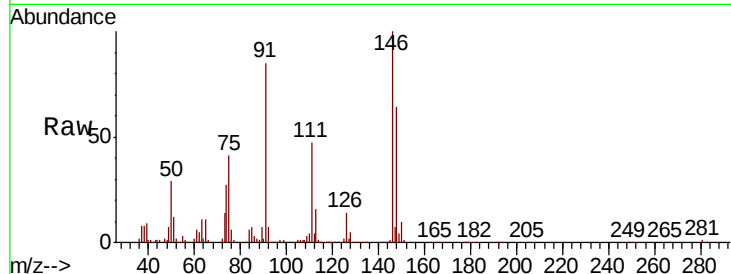
#75
 1,3-Dichlorobenzene
 Concen: 8.125 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampled :
 IDOC-3

Tgt Ion:146 Resp: 1853667
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.4 70.2
 148 64.0 32.1 96.3

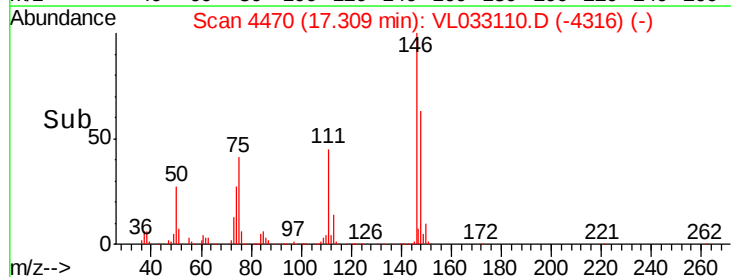
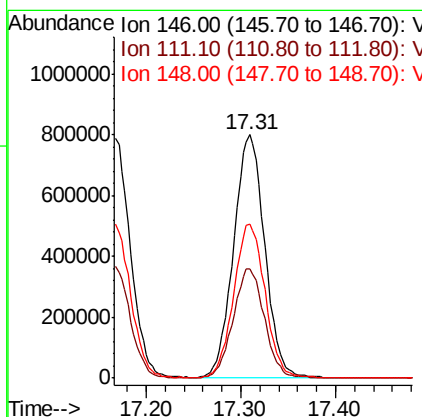
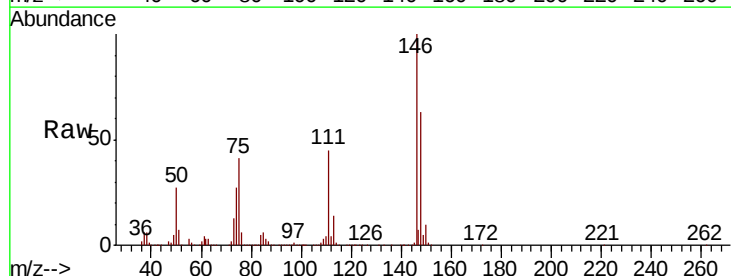
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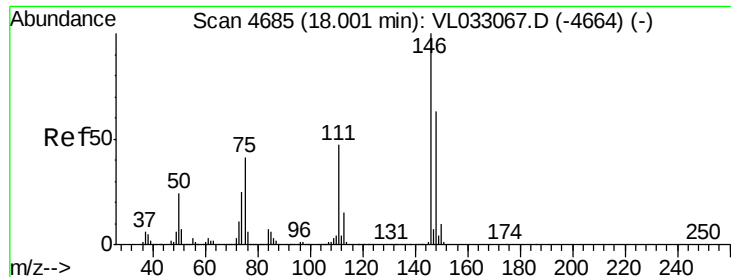
sam
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#76
 1,4-Dichlorobenzene
 Concen: 8.781 ppbv
 RT: 17.31 min Scan# 4470
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Tgt Ion:146 Resp: 1824797
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.7 68.1
 148 64.2 32.4 97.2





#77

1,2-Dichlorobenzene

Concen: 8.953 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

Instrument :

MSVOA_L

ClientSampled :

IDOC-3

Tgt Ion:146 Resp: 1839478

Ion Ratio Lower Upper

146 100

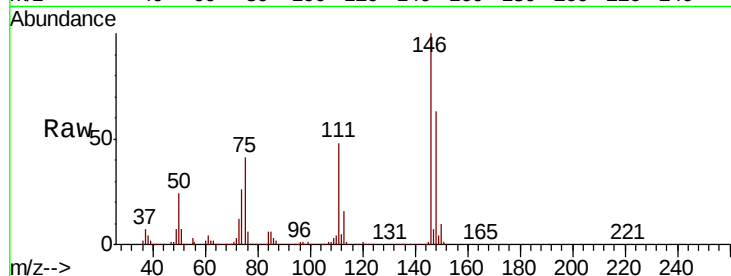
111 48.5 24.4 73.2

148 63.3 32.3 96.9

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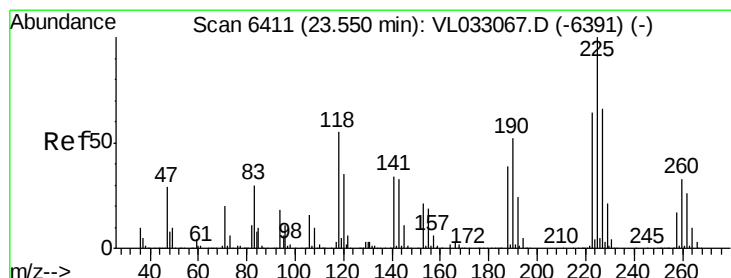
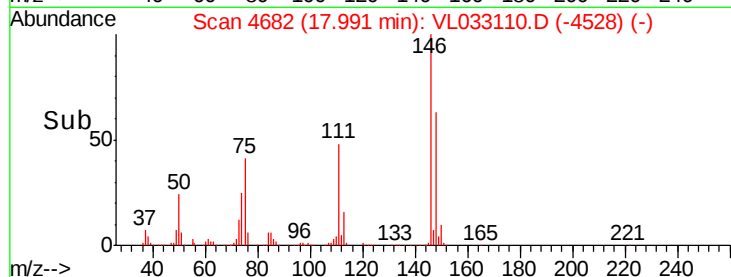
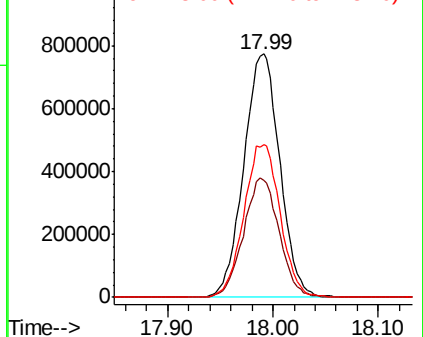


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.905 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.01 min

Lab File: VL033110.D

Acq: 17 Jan 2019 3:12

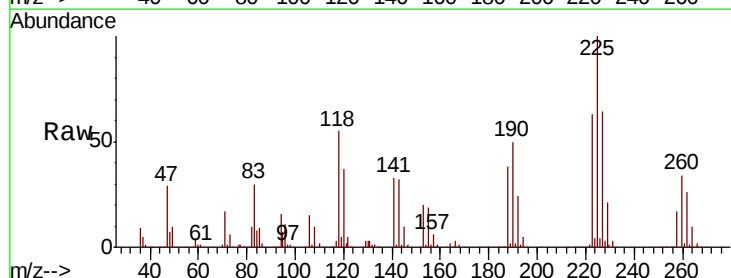
Tgt Ion:225 Resp: 1247348

Ion Ratio Lower Upper

225 100

223 63.8 51.0 76.6

227 62.9 51.0 76.4

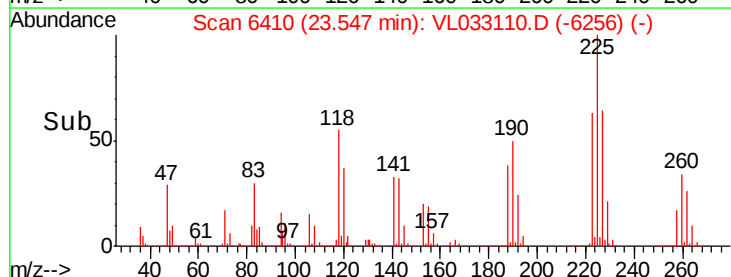
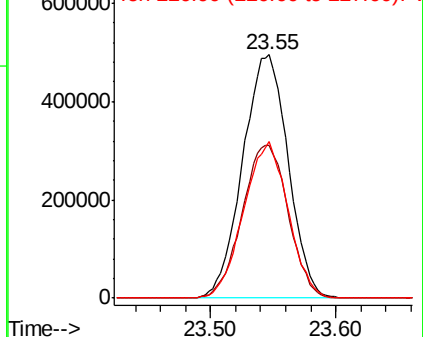


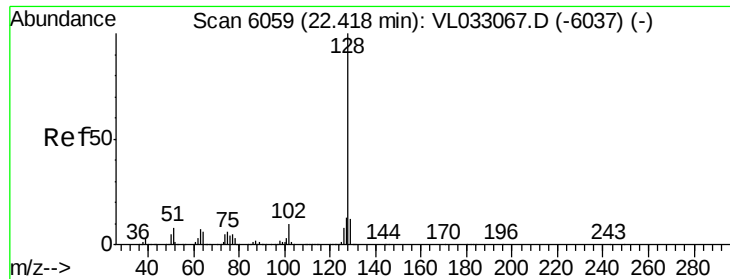
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





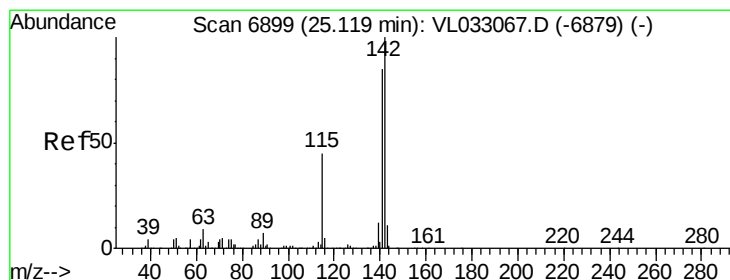
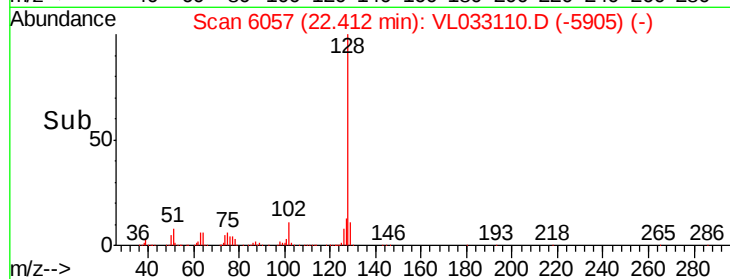
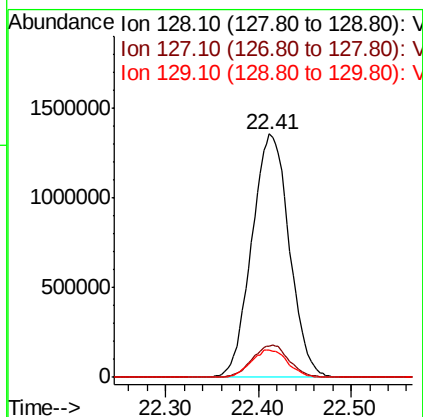
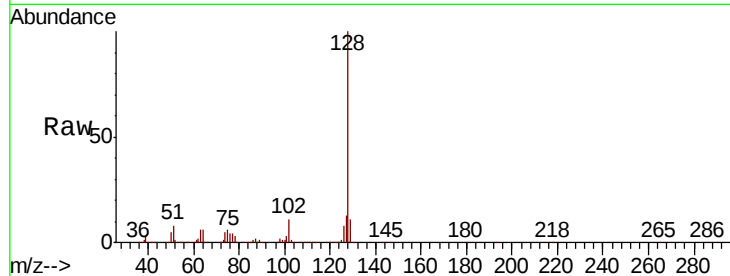
#79
Naphthalene
Concen: 11.723 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampled :
IDOC-3

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.6
129	11.3	9.4	14.0

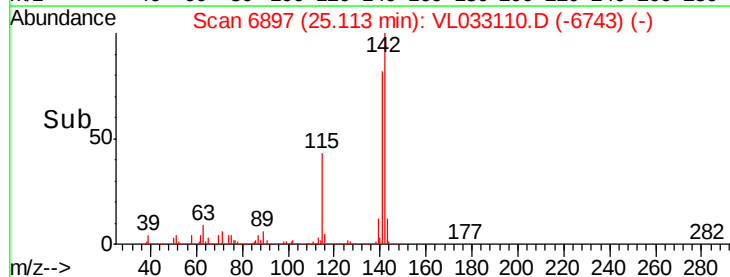
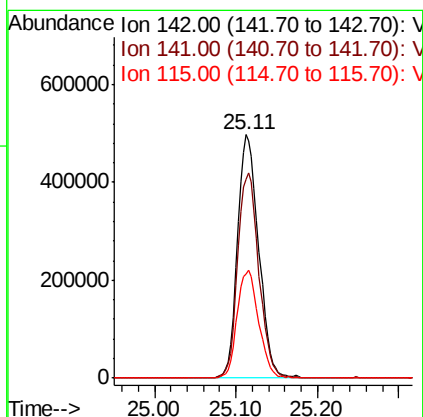
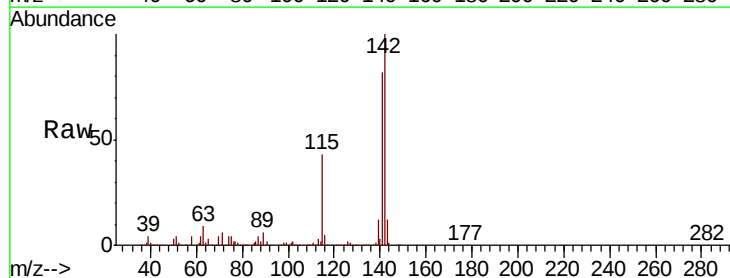
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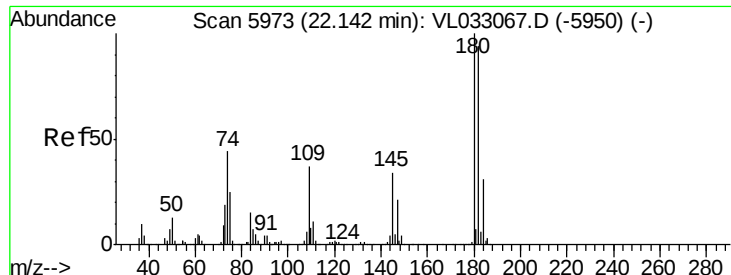
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#80
Naphthalene, 2-methyl-
Concen: 9.071 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.9	68.6	103.0
115	45.3	35.6	53.4





#81
 1,2,4-Trichlorobenzene
 Concen: 11.304 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.01 min
 Lab File: VL033110.D
 Acq: 17 Jan 2019 3:12

Instrument :
 MSVOA_L
 ClientSampleId :
 IDOC-3

Tgt Ion:180 Resp: 1782747
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.1 114.1
 184 29.9 24.6 37.0

Manual Integrations
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