

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035744.D
 Acq On : 8 Oct 2020 13:37
 Operator : SY/AP
 Sample : VL1008ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Manual Integrations
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apatel
 10/12/2020 10:15:17 AM

Quant Time: Oct 09 01:34:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1179896	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4545594	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4586121m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3344987	9.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1676507	8.660	ppbv 99
3) Chlorodifluoromethane	2.98	51	1205980	9.501	ppbv 100
4) Chloromethane	3.13	50	647126	9.490	ppbv 98
5) Vinyl Chloride	3.25	62	771973	9.571	ppbv 98
6) Bromomethane	3.47	94	649626	9.528	ppbv 99
7) Chloroethane	3.55	64	286859	9.698	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2151484	9.162	ppbv 100
9) Propene	3.00	41	467948	10.153	ppbv 99
10) Heptane	8.13	43	1368629	10.652	ppbv 100
11) Trichlorofluoromethane	3.95	101	2619332	9.482	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1947460	9.457	ppbv 99
13) Ethanol	3.61	45	96593	8.499	ppbv 100
14) Bromoethene	3.74	108	856716	9.877	ppbv 100
15) Acetone	3.85	43	1057890	8.332	ppbv 100
16) 1,3-Butadiene	3.32	39	488244	10.512	ppbv 99
17) tert-Butyl alcohol	4.30	59	1411849	10.209	ppbv 99
18) 1,1-Dichloroethene	4.29	96	893568	9.911	ppbv 96
19) Isopropyl Alcohol	3.97	45	682214	9.878	ppbv 99
20) Methylene Chloride	4.34	84	734054	7.871	ppbv 97
21) Allyl Chloride	4.41	41	643451	10.456	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	936683	9.834	ppbv 99
23) Vinyl Acetate	5.08	43	1668038	10.727	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1625136	9.595	ppbv 99
25) Ethyl Acetate	5.68	43	2223980	9.735	ppbv 100
26) Hexane	5.69	57	1222806	9.768	ppbv 99
27) Carbon Disulfide	4.55	76	1989343	10.661	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2117323	10.670	ppbv 100
29) Chloroform	5.76	83	2465066	9.696	ppbv 99
30) Cyclohexane	7.14	84	1356073	10.979	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1297800	10.739	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2402544	10.721	ppbv 100
34) 2-Butanone	5.25	43	1531327	10.185	ppbv 99
35) Carbon Tetrachloride	7.03	117	2495006	10.527	ppbv 98
36) Benzene	6.90	78	3088819	10.428	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1529582	9.908	ppbv 100
38) Trichloroethene	7.85	130	1543359	10.445	ppbv 99
39) 1,2-Dichloropropane	7.62	63	1074192	10.006	ppbv 98
40) 1,4-Dioxane	7.84	88	515385	10.497	ppbv # 1
41) Tetrahydrofuran	6.05	42	861500	11.374	ppbv 99
42) Bromodichloromethane	7.81	83	2577806	10.366	ppbv 98
43) Methyl Methacrylate	8.03	69	1313716	11.152	ppbv 99

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 ClientSampleId :
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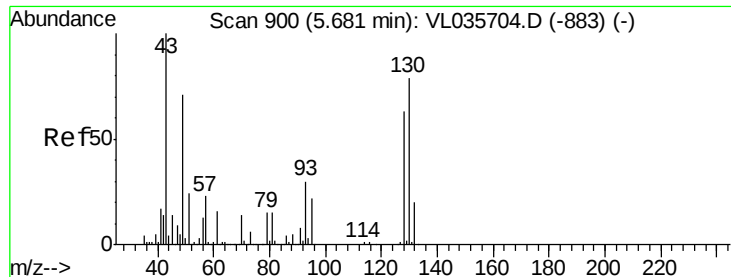
Manual Integrations
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apatel
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Quant Time: Oct 09 01:34:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 2
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4214660	9.916	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1463657	12.307	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1744160	11.897	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1509296	9.815	ppbv	99
48) Dibromochloromethane	10.32	129	2555222	10.918	ppbv	100
49) Bromoform	13.06	173	2271865	11.441	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2287081	10.415	ppbv	100
51) 2-Hexanone	10.15	43	1917295	10.836	ppbv	100
52) Tetrachloroethene	11.24	164	1451863	10.193	ppbv	97
53) Toluene	9.82	91	3866955	11.072	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2352930	10.219	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1965688	10.222	ppbv	97
57) Chlorobenzene	12.17	112	3246574	9.373	ppbv	100
58) Ethyl Benzene	12.73	91	5049083	10.969	ppbv	100
59) m/p-Xylene	13.02	91	8656868m	21.535	ppbv	
60) o-Xylene	13.72	91	4216941	10.370	ppbv	100
61) Styrene	13.55	104	3294887	11.719	ppbv	100
62) Isopropylbenzene	14.69	105	6341860	10.055	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3080503	9.238	ppbv	100
64) n-propylbenzene	15.59	120	1935522	10.485	ppbv	98
65) tert-Butylbenzene	16.77	119	5832908	10.172	ppbv	100
66) Benzyl Chloride	17.02	91	2126671	12.241	ppbv	99
67) sec-Butylbenzene	17.32	105	7793903	9.842	ppbv	100
69) p-Isopropyltoluene	17.68	119	6561975	10.185	ppbv	99
70) n-Butylbenzene	18.58	91	6514867	9.820	ppbv	99
71) 2-Chlorotoluene	15.48	91	4849638	10.541	ppbv	100
72) 4-Ethyltoluene	15.87	105	5136594	10.663	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4794724	10.533	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	4980625	9.706	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	3277223	9.354	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	3291690	9.829	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3211189	9.705	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1748632	9.578	ppbv	100
79) Naphthalene	22.24	128	4787235	9.781	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1226249	10.622	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2504121	9.873	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 49 Resp: 1179896

Ion Ratio Lower Upper

49 100

128 84.7 43.1 129.4

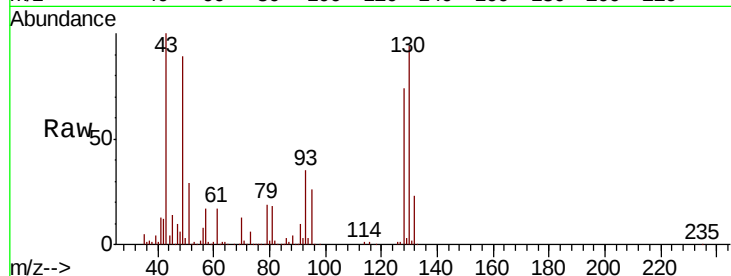
130 108.5 54.9 164.7

Manual Integrations

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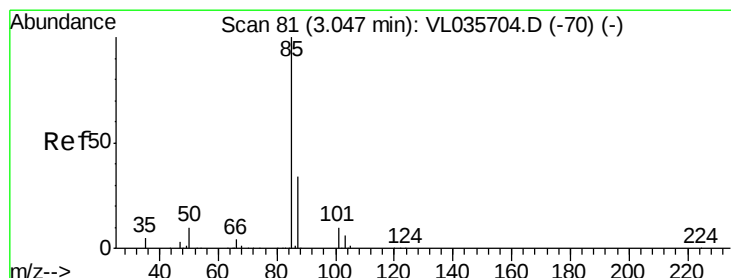
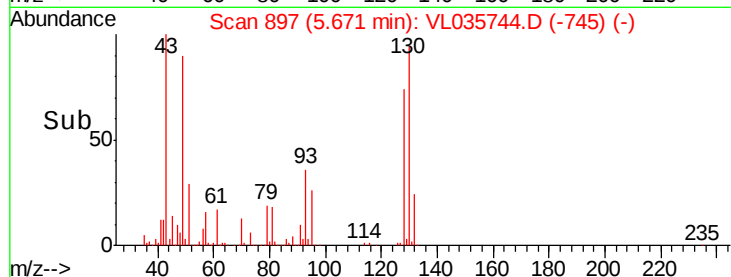
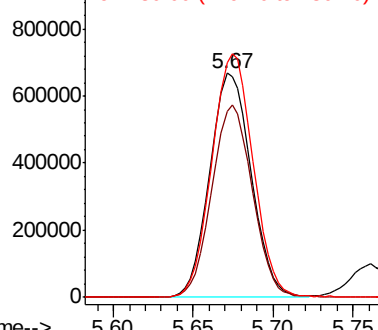
10/12/2020 10:15:17 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.660 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035744.D

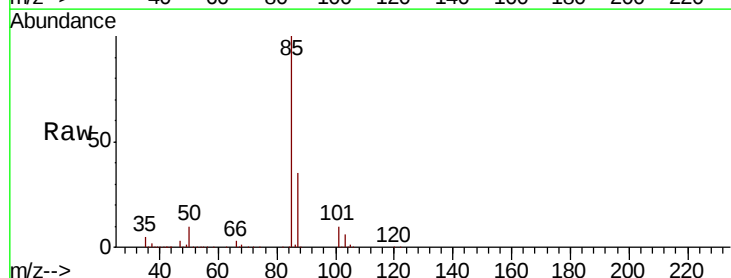
Acq: 8 Oct 2020 13:37

Tgt Ion: 85 Resp: 1676507

Ion Ratio Lower Upper

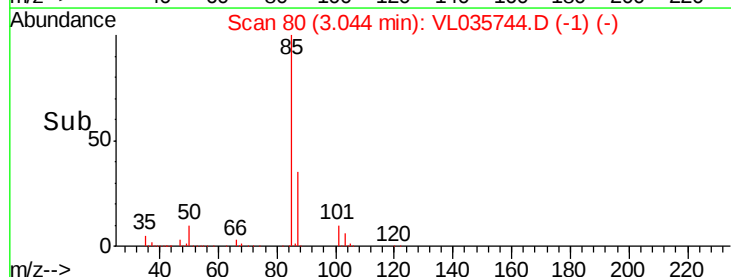
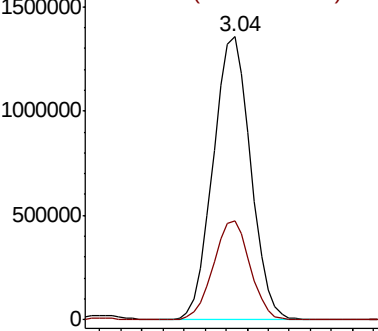
85 100

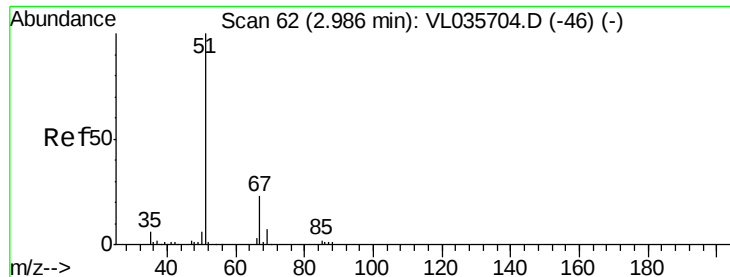
87 34.9 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





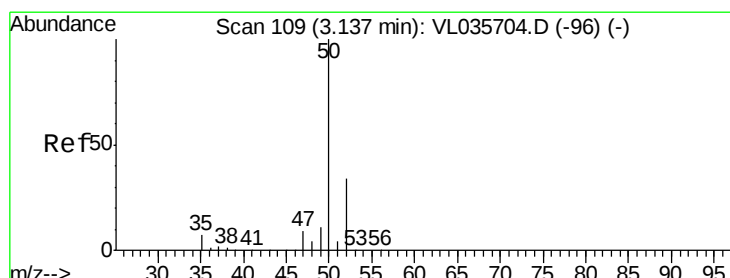
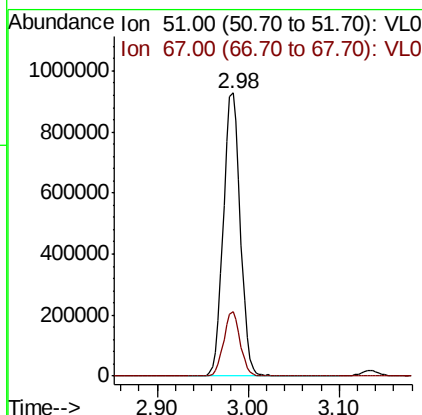
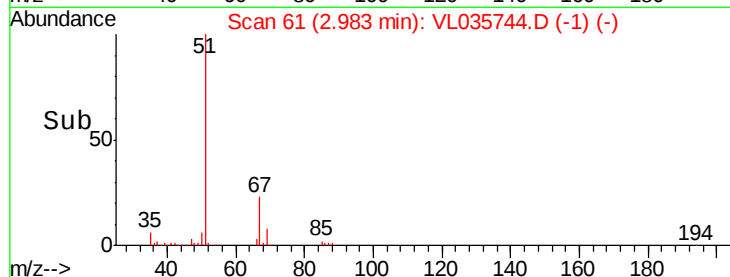
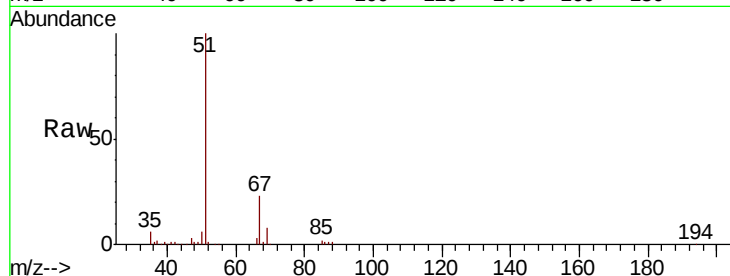
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Chlorodifluoromethane
Concen: 9.501 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampled :
VL1008ABS01

Tot Ion: 51 Resp: 1205980
Ion Ratio Lower Upper
51 100
67 22.1 17.8 26.8

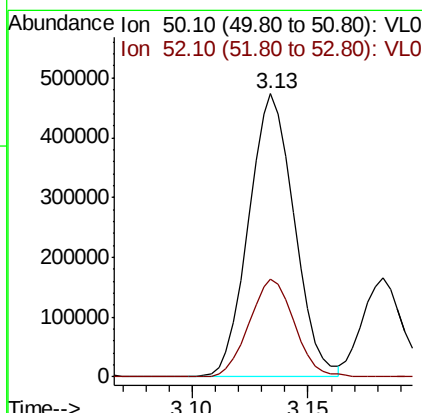
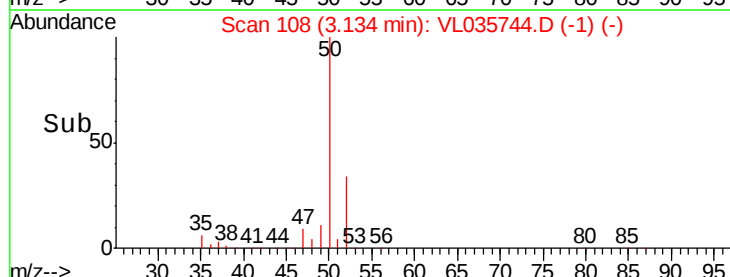
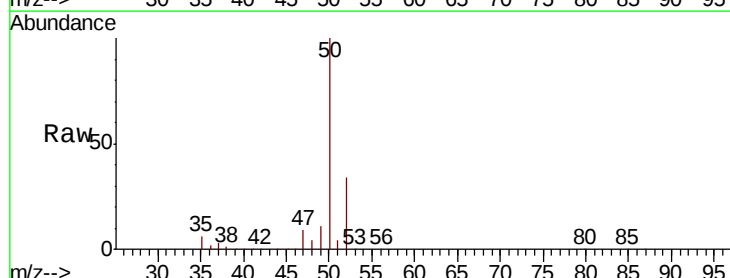
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#4
Chloromethane
Concen: 9.490 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion: 50 Resp: 647126
Ion Ratio Lower Upper
50 100
52 34.4 26.8 40.2





#5

Vinyl Chloride

Concen: 9.571 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 62 Resp: 771973

Ion Ratio Lower Upper

62 100

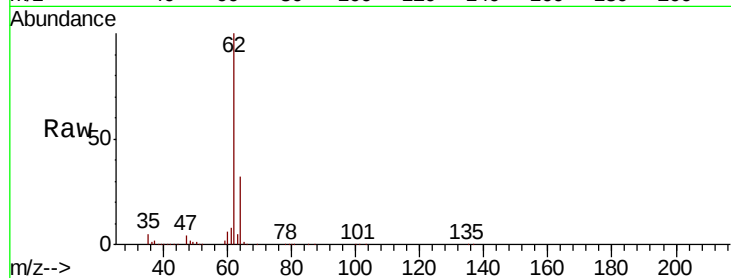
64 32.5 26.8 40.2

Manual Integrations

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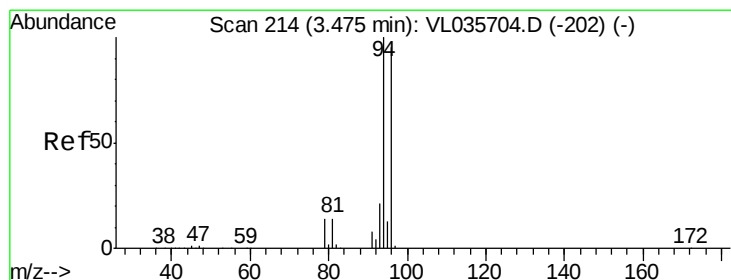
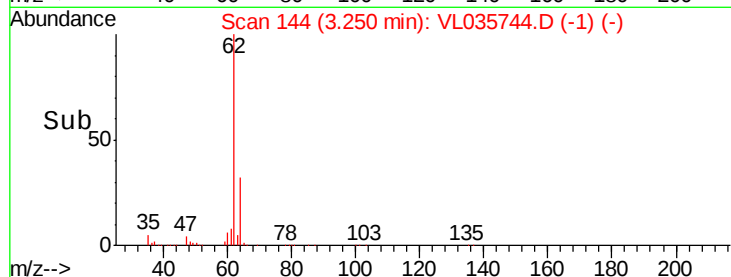
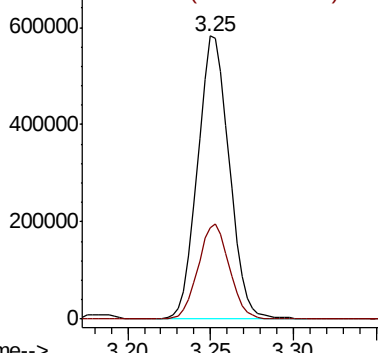
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.528 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL035744.D

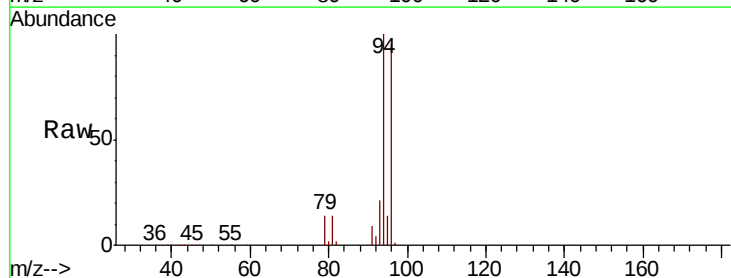
Acq: 8 Oct 2020 13:37

Tgt Ion: 94 Resp: 649626

Ion Ratio Lower Upper

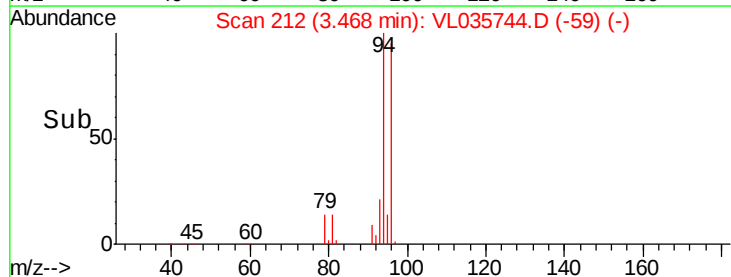
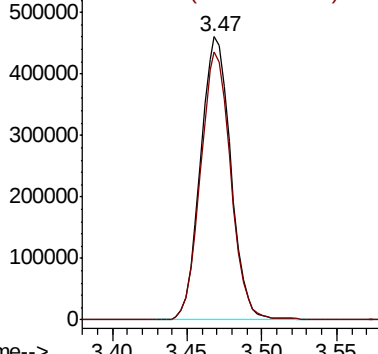
94 100

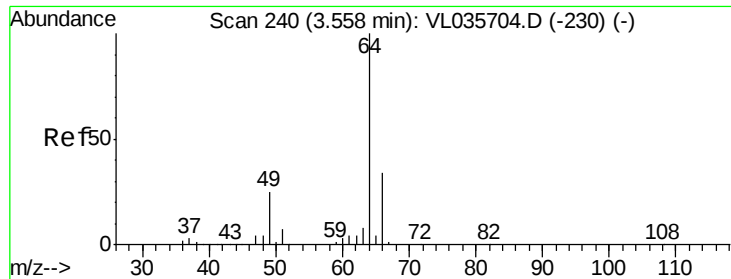
96 94.6 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.698 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 64 Resp: 286859

Ion Ratio Lower Upper

64 100

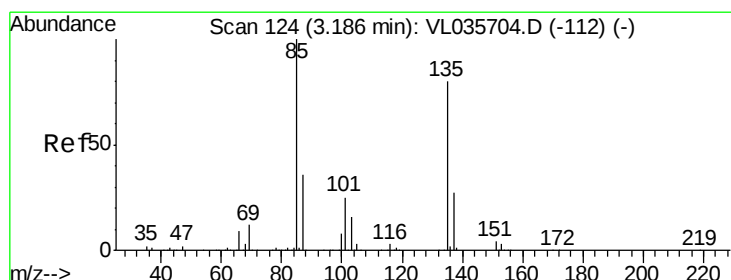
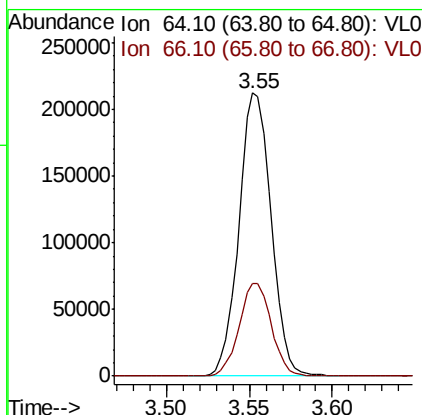
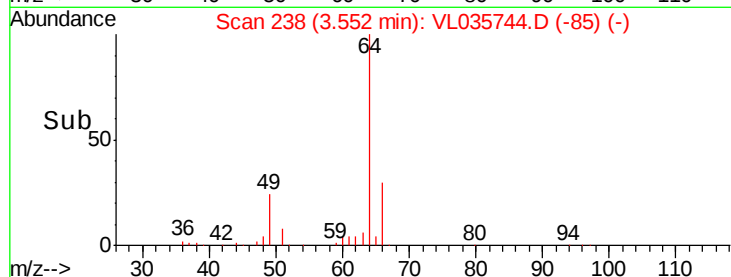
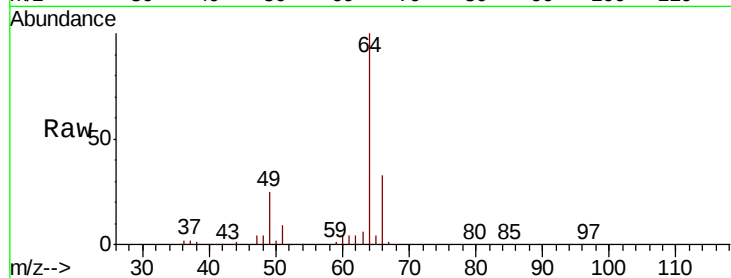
66 32.8 26.9 40.3

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#8

Dichlorotetrafluoroethane

Concen: 9.162 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035744.D

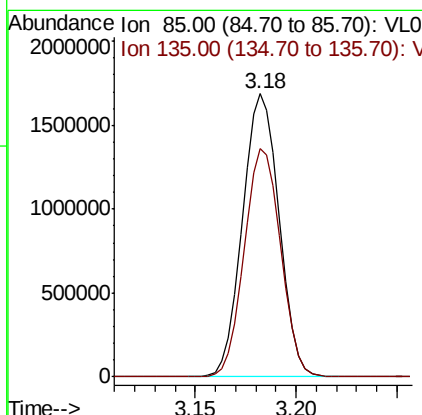
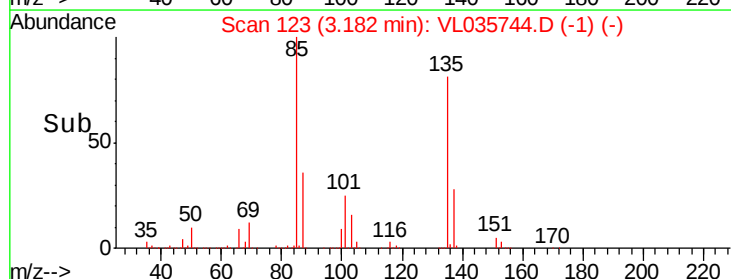
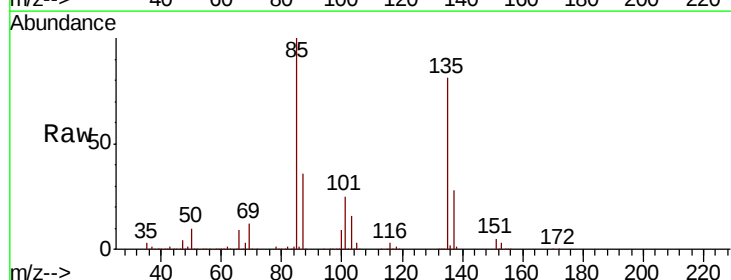
Acq: 8 Oct 2020 13:37

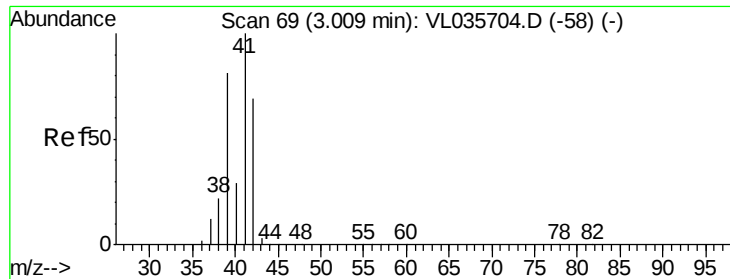
Tgt Ion: 85 Resp: 2151484

Ion Ratio Lower Upper

85 100

135 80.7 64.3 96.5





#9

Propene

Concen: 10.153 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 41 Resp: 467948

Ion Ratio Lower Upper

41 100

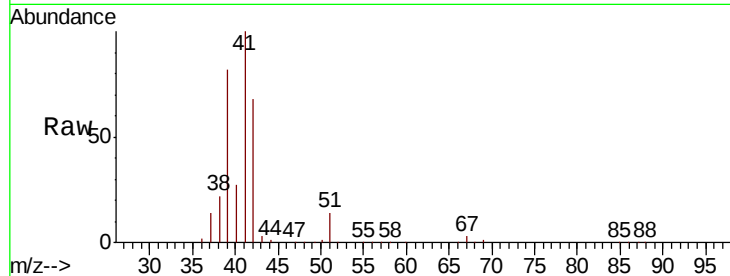
42 69.5 56.2 84.4

Manual Integrations

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

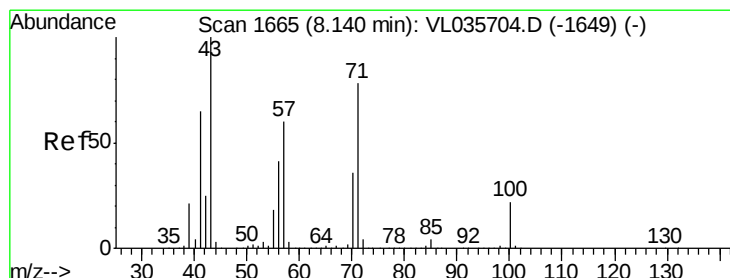
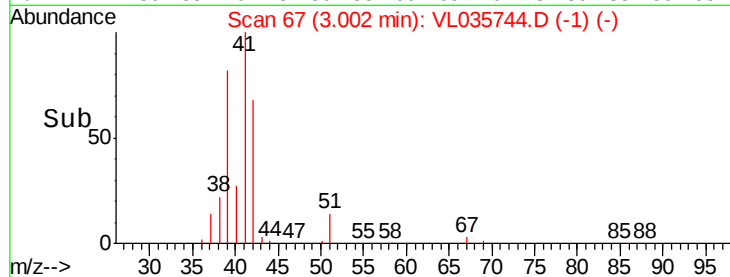
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.652 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VL035744.D

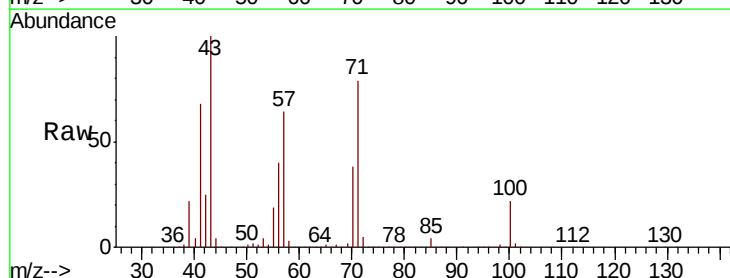
Acq: 8 Oct 2020 13:37

Tgt Ion: 43 Resp: 1368629

Ion Ratio Lower Upper

43 100

57 63.4 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

800000

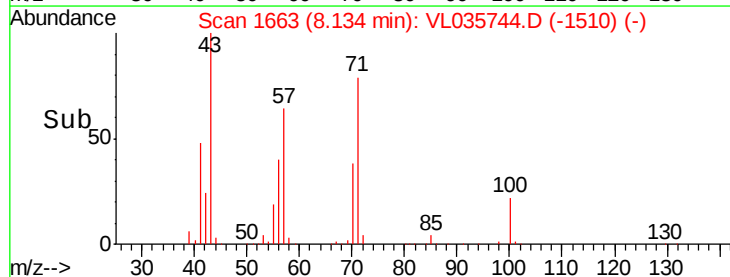
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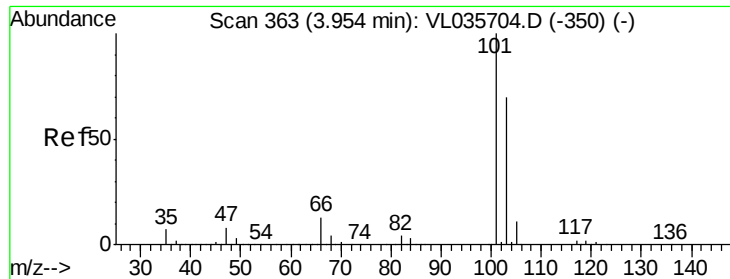
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Time-->





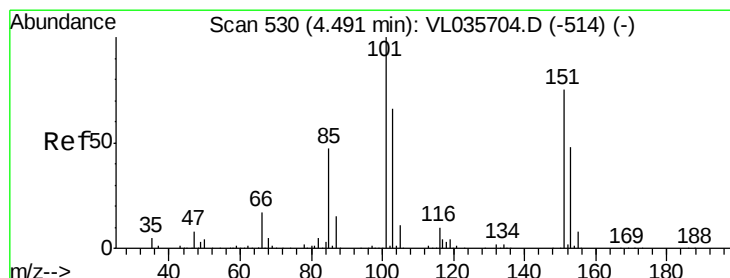
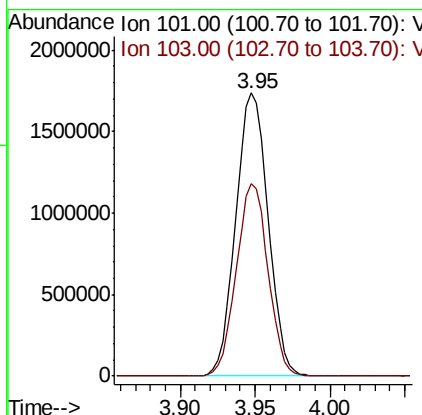
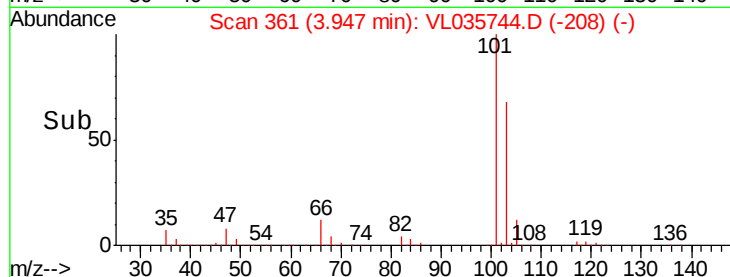
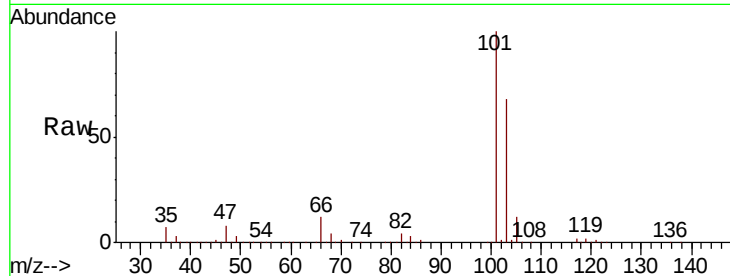
#11
 Trichlorofluoromethane
 Concen: 9.482 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tot Ion:101 Resp: 2619332
 Ion Ratio Lower Upper
 101 100
 103 68.1 55.6 83.4

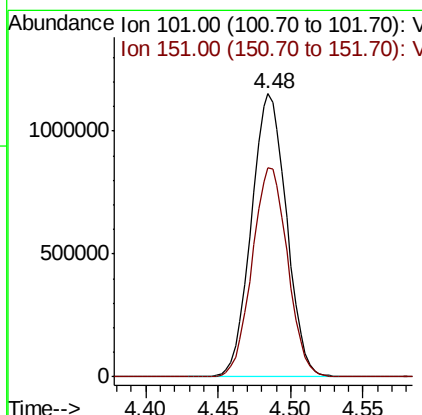
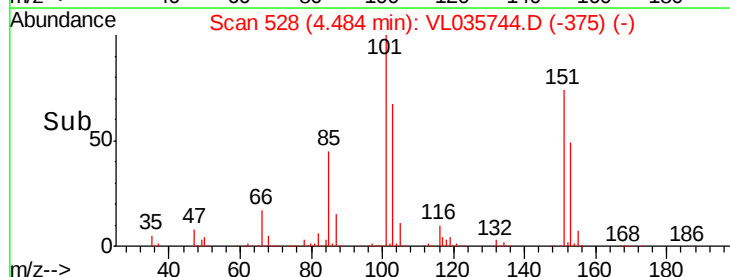
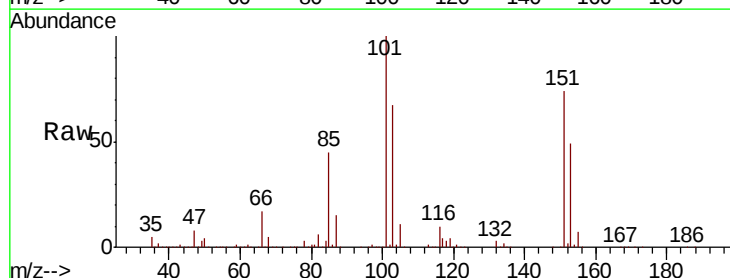
Manual Integrations
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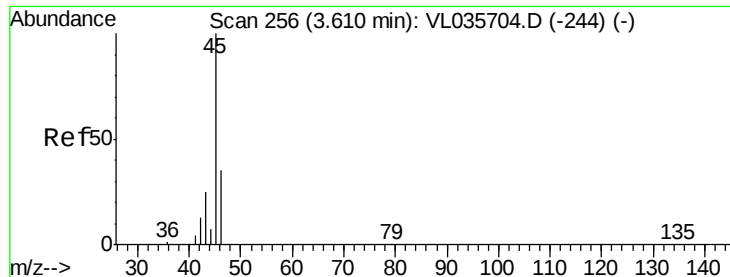
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.457 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion:101 Resp: 1947460
 Ion Ratio Lower Upper
 101 100
 151 74.7 59.1 88.7





#13

Ethanol

Concen: 8.499 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 45 Resp: 96593

Ion Ratio Lower Upper

45 100

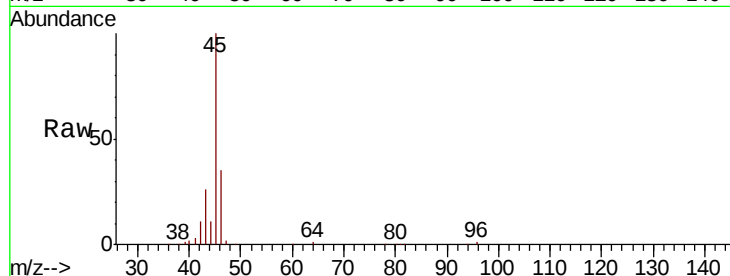
46 36.5 14.7 58.7

Manual Integrations

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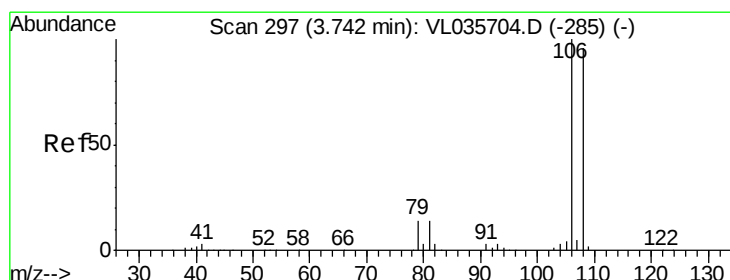
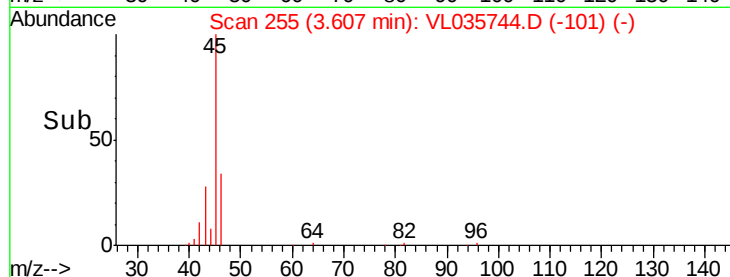
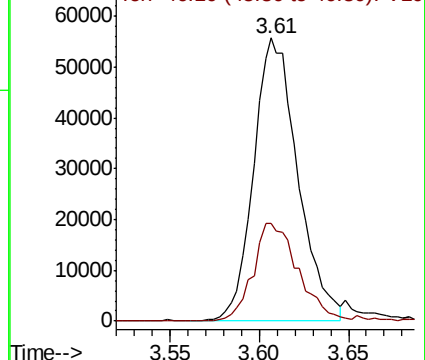
apatel

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.877 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

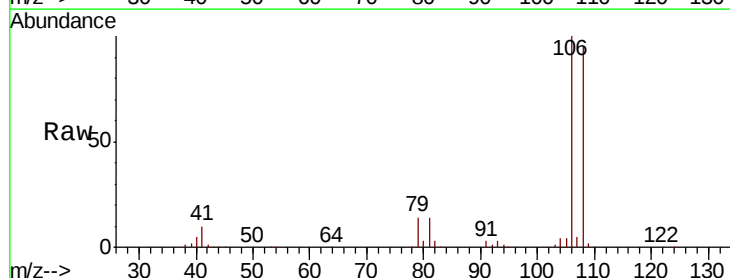
Tgt Ion: 108 Resp: 856716

Ion Ratio Lower Upper

108 100

106 105.5 84.6 126.8

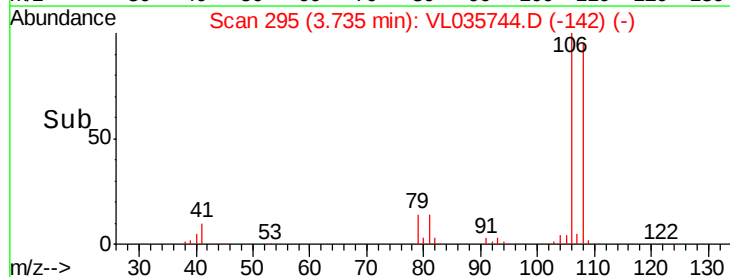
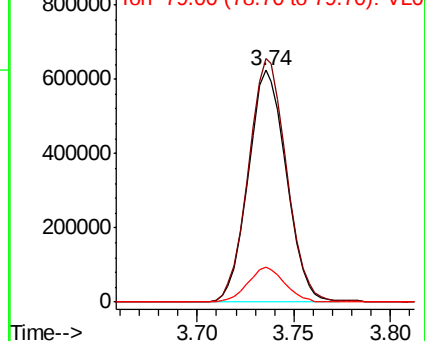
79 15.0 11.6 17.4

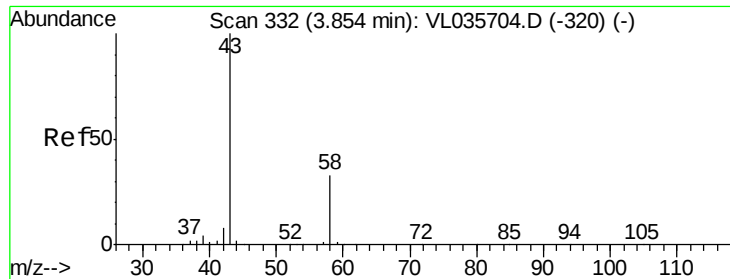


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.332 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 43 Resp: 1057890

Ion Ratio Lower Upper

43 100

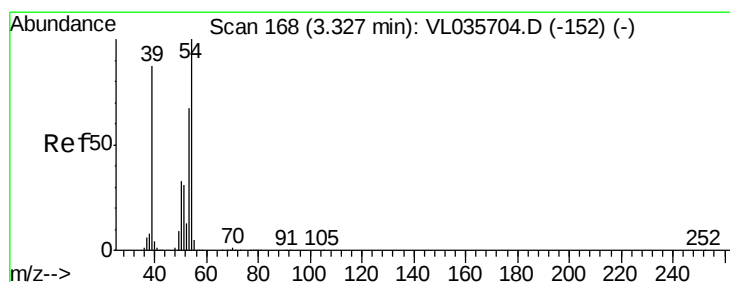
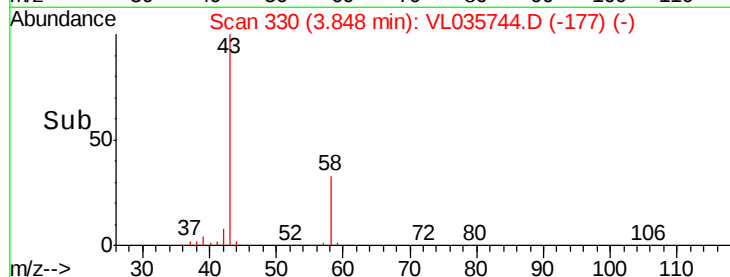
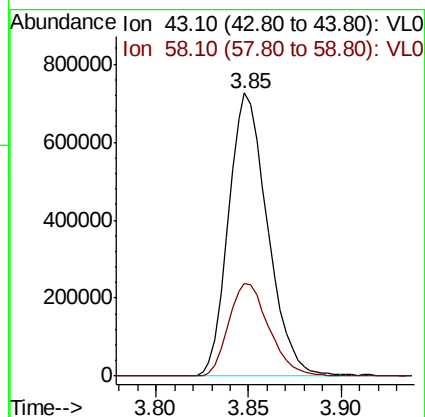
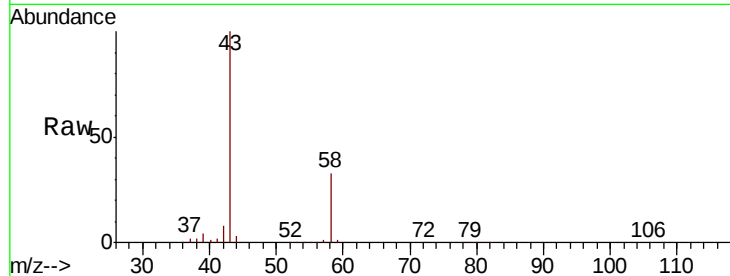
58 34.0 27.3 40.9

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.512 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL035744.D

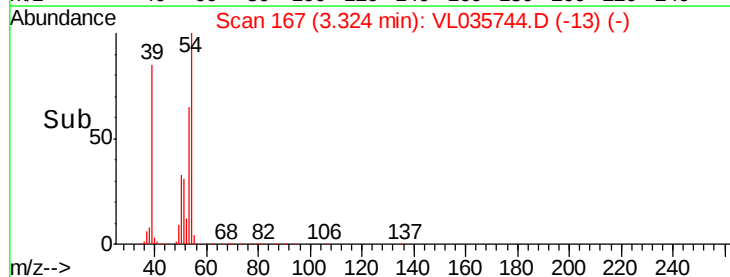
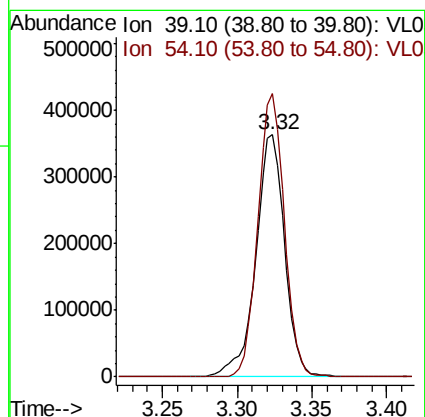
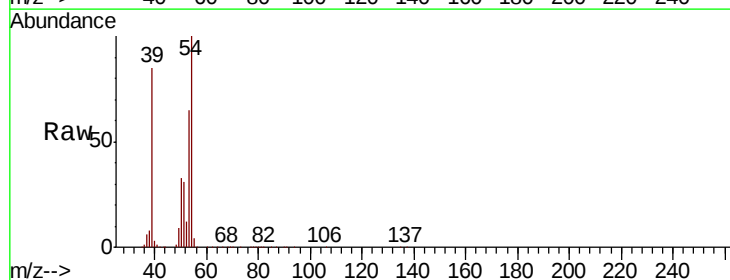
Acq: 8 Oct 2020 13:37

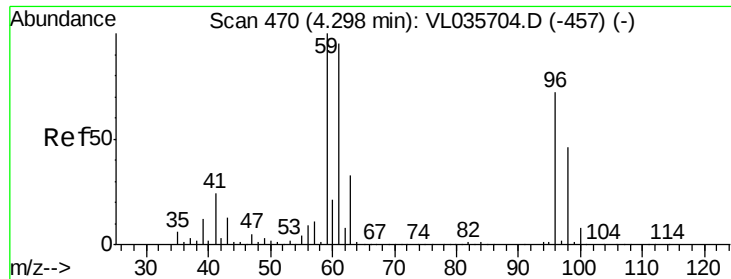
Tgt Ion: 39 Resp: 488244

Ion Ratio Lower Upper

39 100

54 107.7 87.4 131.0





#17

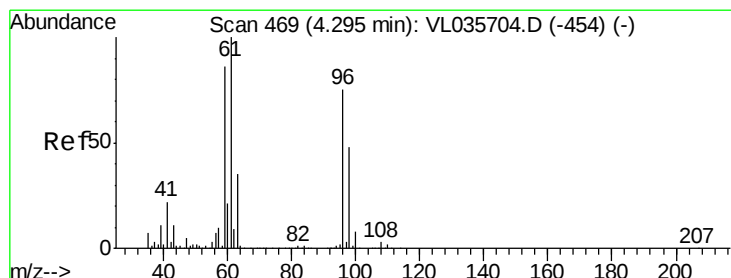
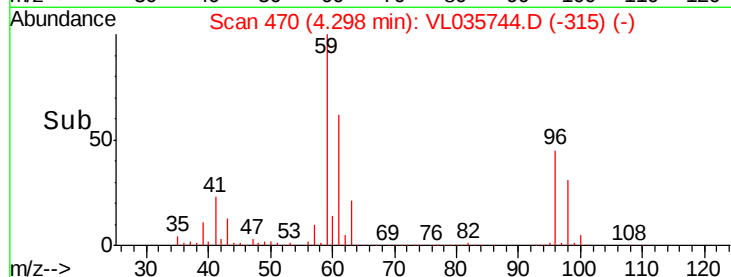
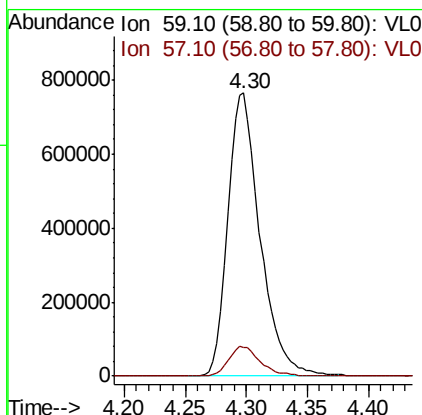
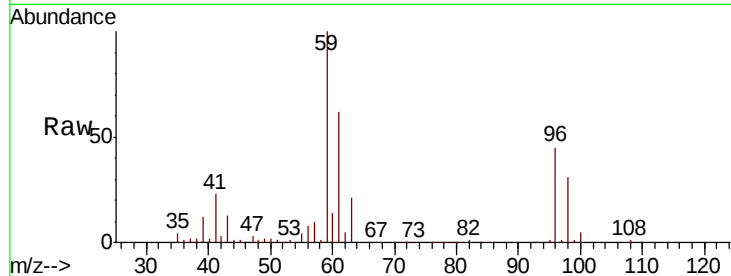
tert-Butyl alcohol
 Concen: 10.209 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1008ABS01

Tot Ion: 59 Resp: 1411849
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

Manual Integrations
 APPROVED

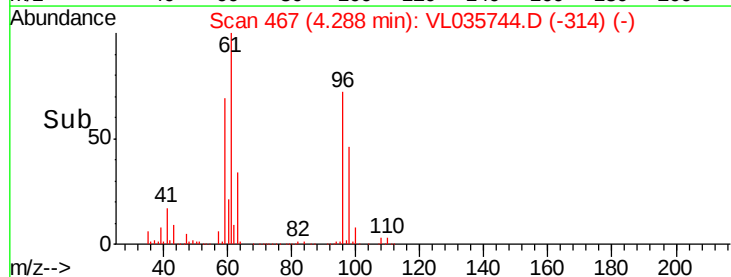
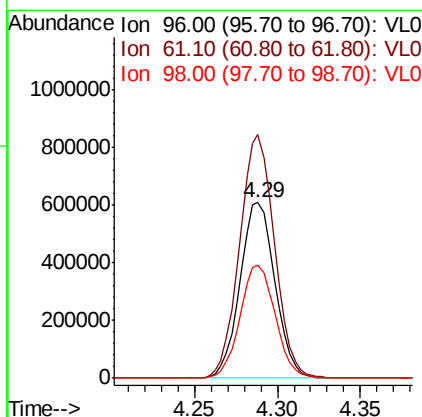
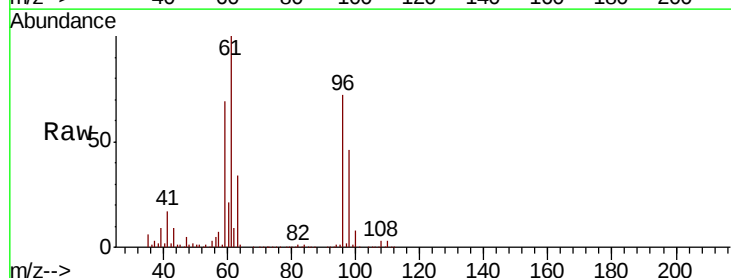
apatel
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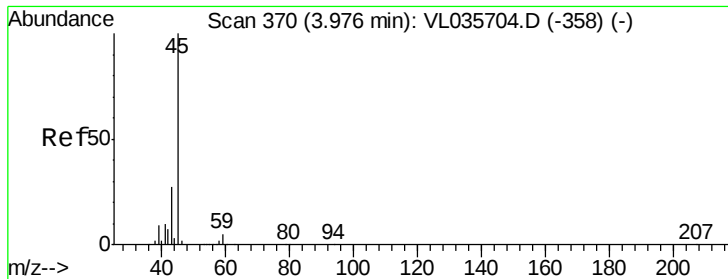


#18

1,1-Dichloroethene
 Concen: 9.911 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion: 96 Resp: 893568
 Ion Ratio Lower Upper
 96 100
 61 138.9 106.7 160.1
 98 64.5 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.878 ppbv

RT: 3.97 min Scan# 369

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 45 Resp: 682214

Ion Ratio Lower Upper

45 100

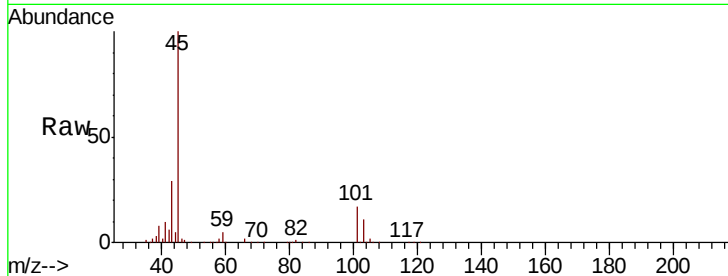
58 3.3 2.8 4.2

Manual Integrations

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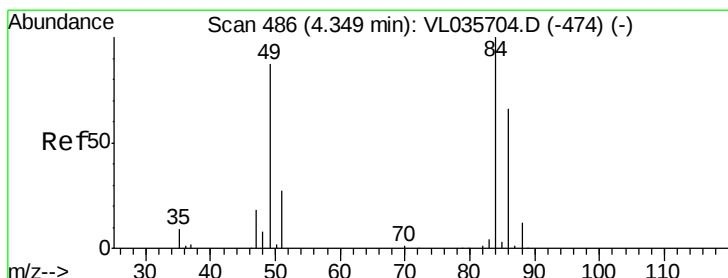
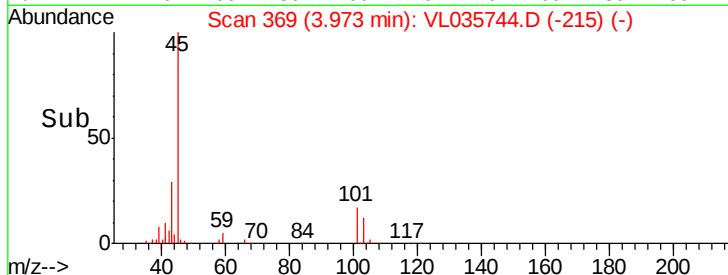
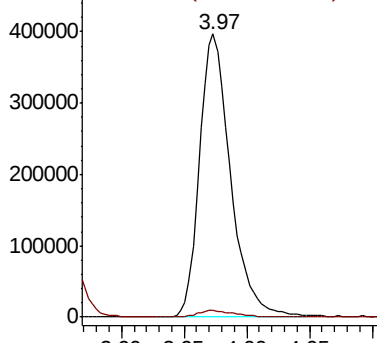
apatel

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.871 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Tgt Ion: 84 Resp: 734054

Ion Ratio Lower Upper

84 100

49 91.3 69.8 104.6

51 28.2 21.8 32.8

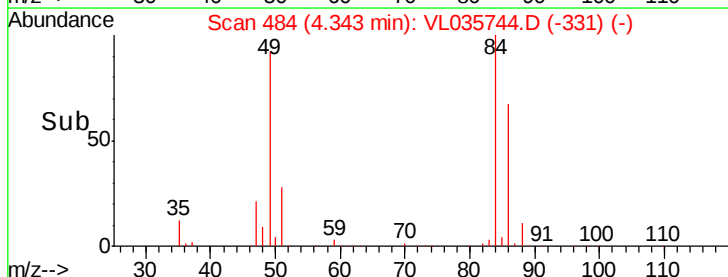
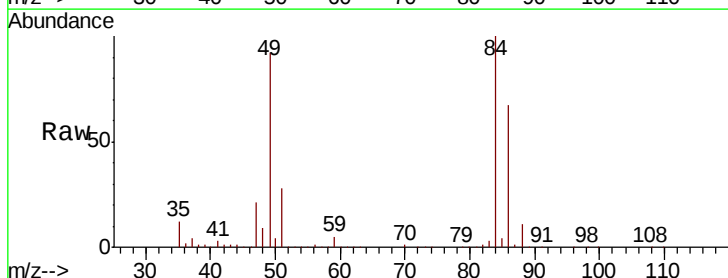
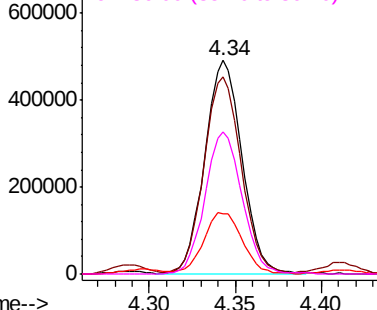
86 66.9 52.6 78.8

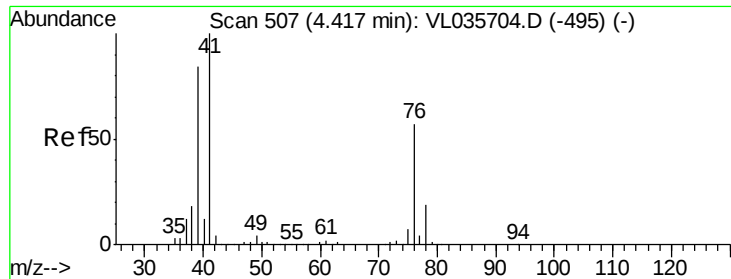
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





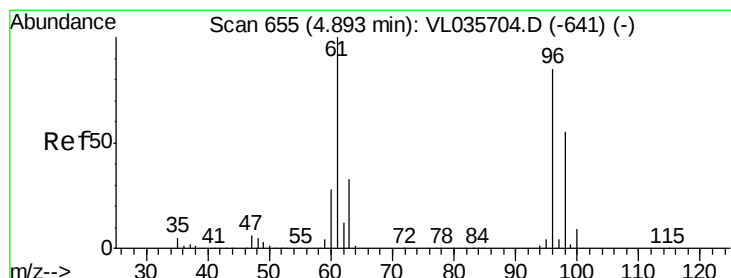
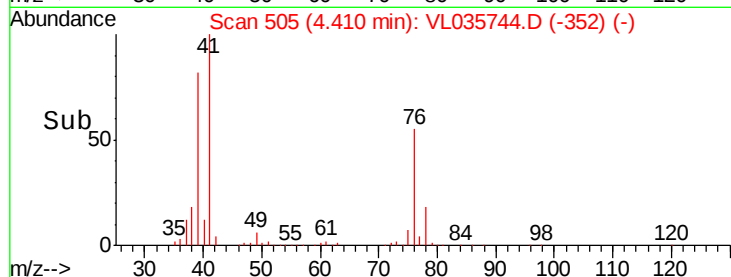
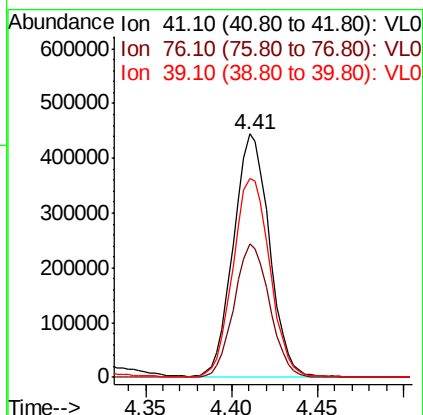
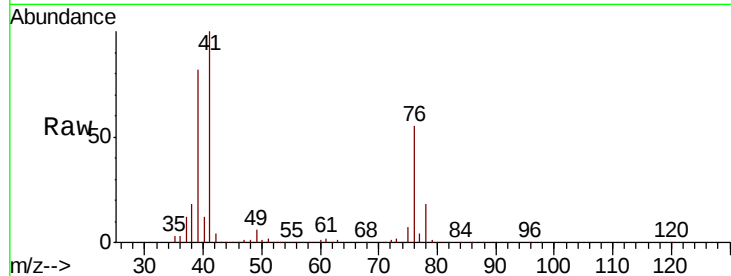
#21
Allvl Chloride
Concen: 10.456 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	54.3	44.8	67.2
39	84.7	68.4	102.6

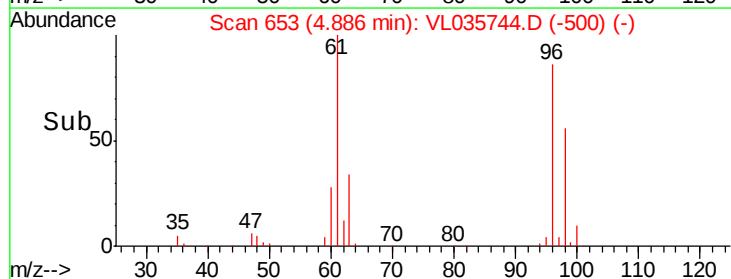
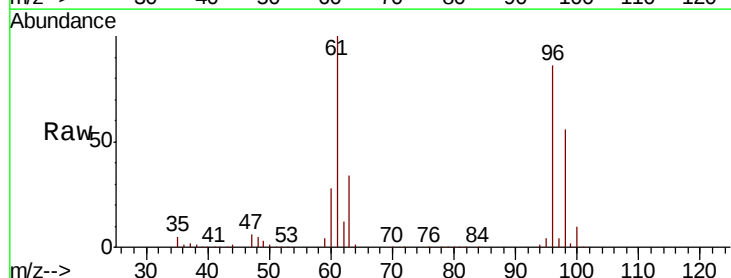
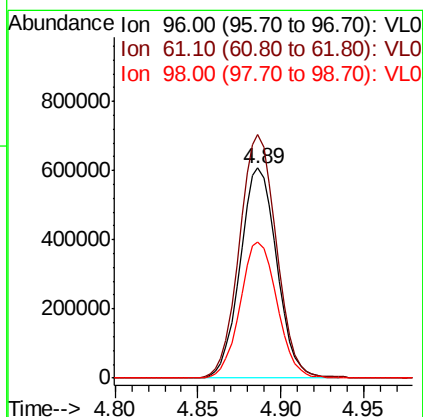
Manual Integrations
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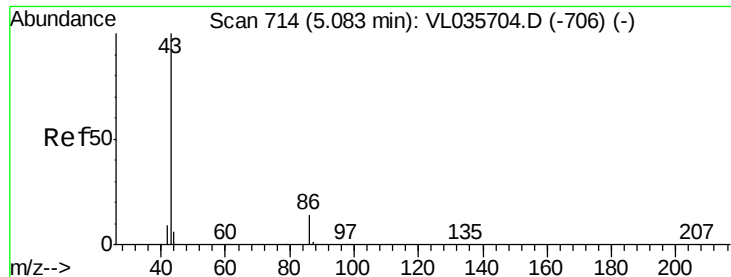
apatel
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#22
trans-1,2-Dichloroethene
Concen: 9.834 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	115.9	93.7	140.5
98	64.5	51.2	76.8





#23

Vinyl Acetate

Concen: 10.727 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 43 Resp: 1668038

Ion Ratio Lower Upper

43 100

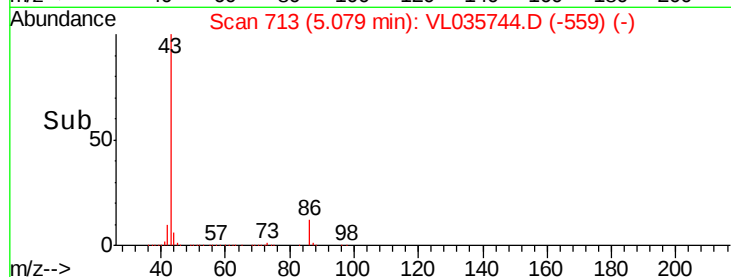
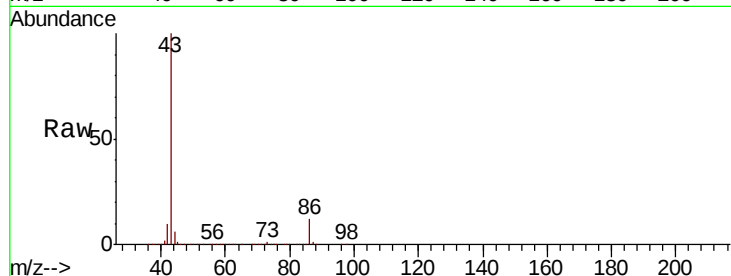
86 12.5 9.7 14.5

42 10.1 7.9 11.9

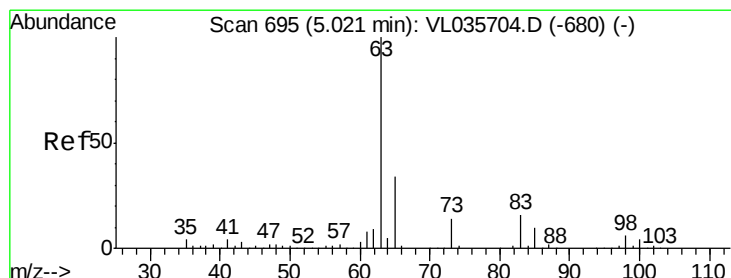
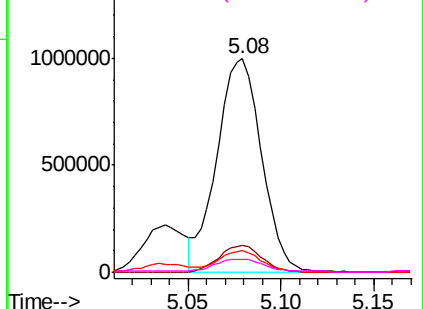
44 5.9 4.8 7.2

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



#24

1,1-Dichloroethane

Concen: 9.595 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

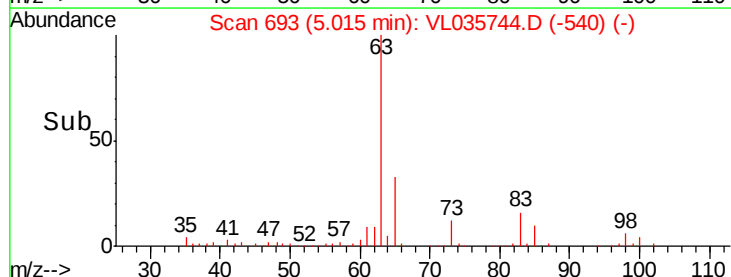
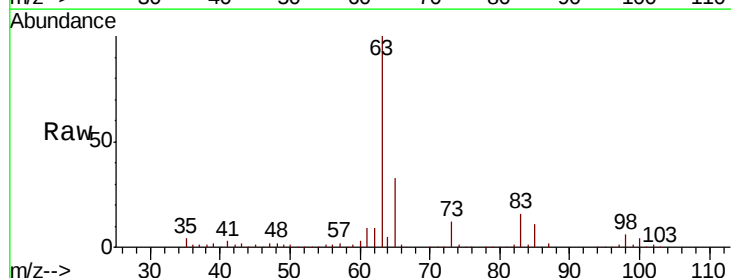
Tgt Ion: 63 Resp: 1625136

Ion Ratio Lower Upper

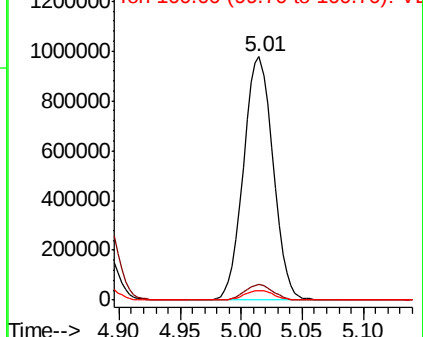
63 100

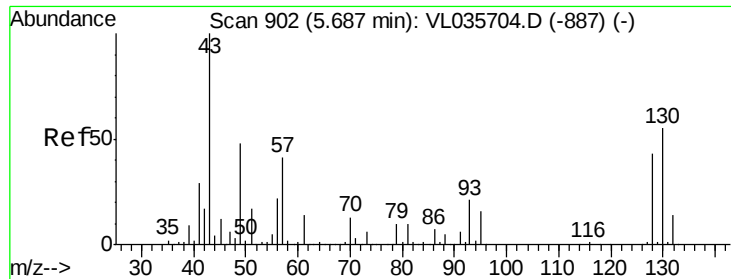
98 6.2 3.3 9.8

100 3.9 2.0 5.8



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





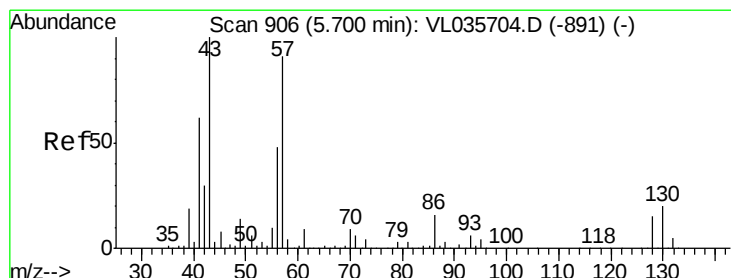
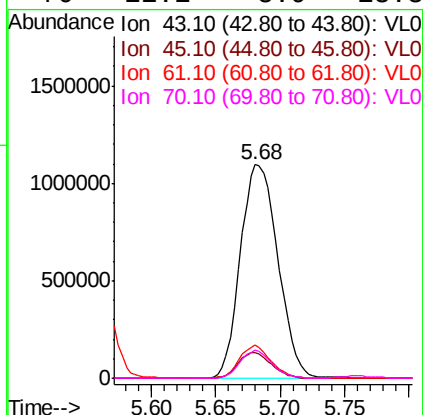
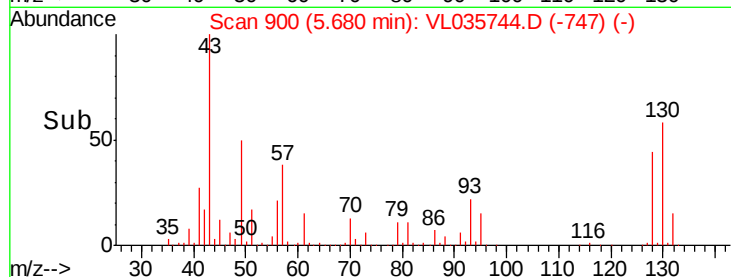
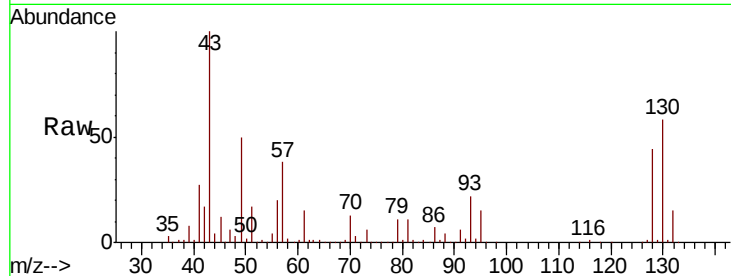
#25
Ethyl Acetate
Concen: 9.735 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tot Ion:	43	Resp:	2223980
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	12.8
61	13.0	10.4	15.6
70	11.1	8.9	13.3

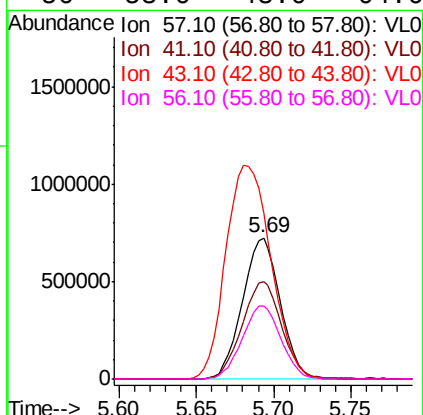
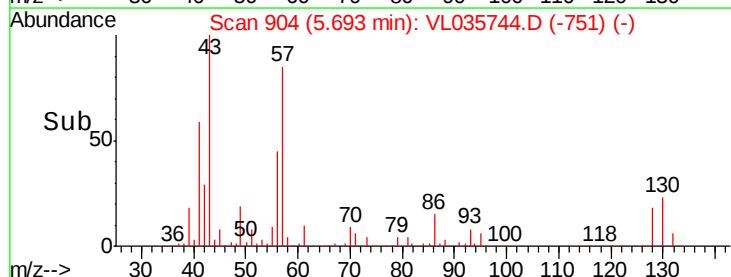
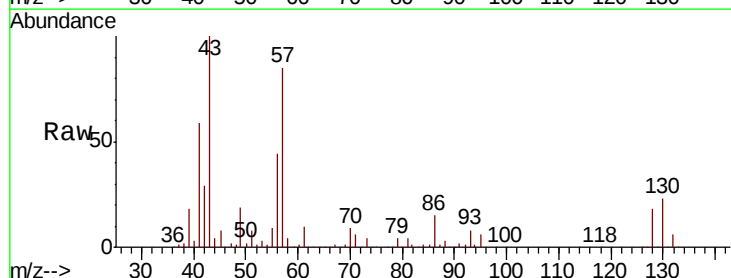
Manual Integrations
APPROVED

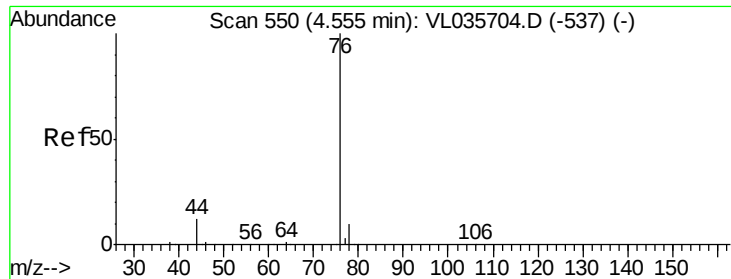
apatel
10/12/2020 10:15:17 AM



#26
Hexane
Concen: 9.768 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion:	57	Resp:	1222806
Ion	Ratio	Lower	Upper
57	100		
41	73.2	57.9	86.9
43	182.6	143.8	215.6
56	53.6	43.0	64.6





#27

Carbon Disulfide

Concen: 10.661 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 76 Resp: 1989343

Ion Ratio Lower Upper

76 100

44 11.9 9.7 14.5

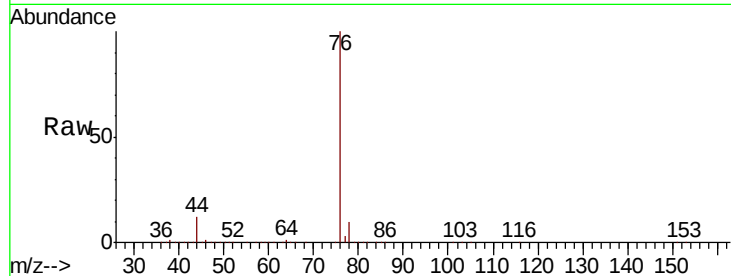
78 9.7 7.8 11.8

Manual Integrations

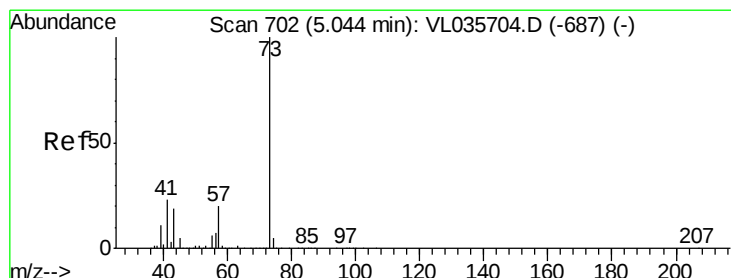
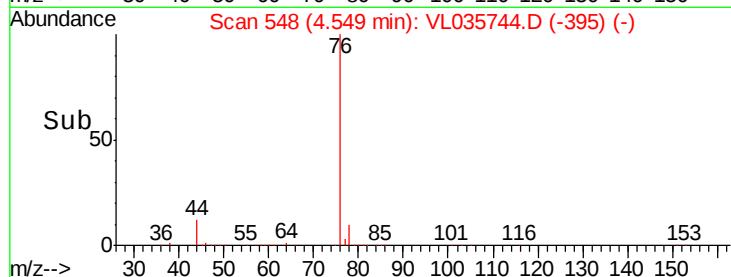
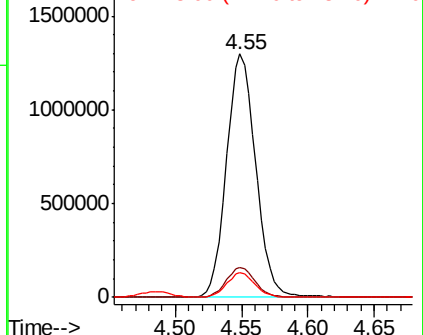
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.670 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.01 min

Lab File: VL035744.D

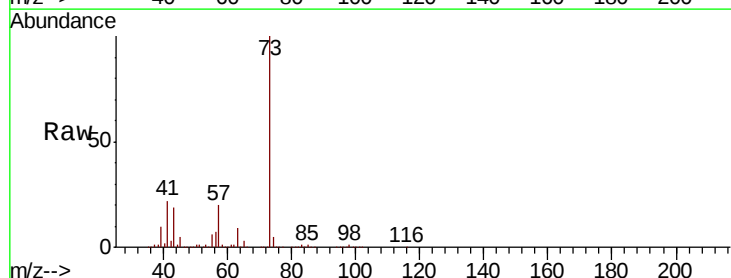
Acq: 8 Oct 2020 13:37

Tgt Ion: 73 Resp: 2117323

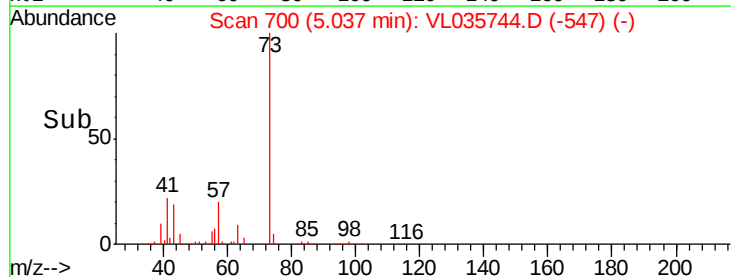
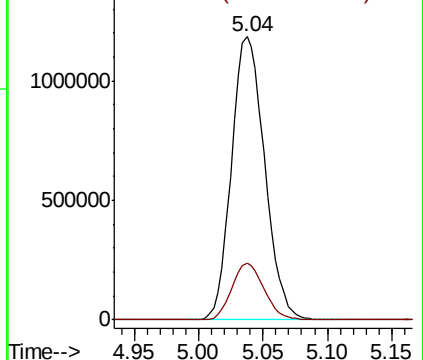
Ion Ratio Lower Upper

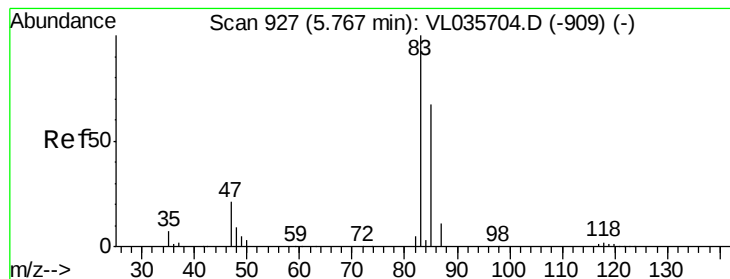
73 100

57 19.7 15.6 23.4



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





#29

Chloroform

Concen: 9.696 ppbv

RT: 5.76 min Scan# 925

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 83 Resp: 2465066

Ion Ratio Lower Upper

83 100

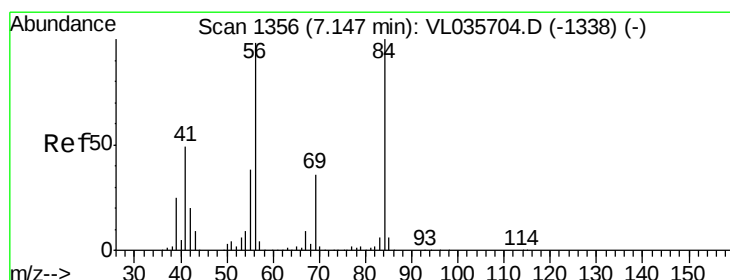
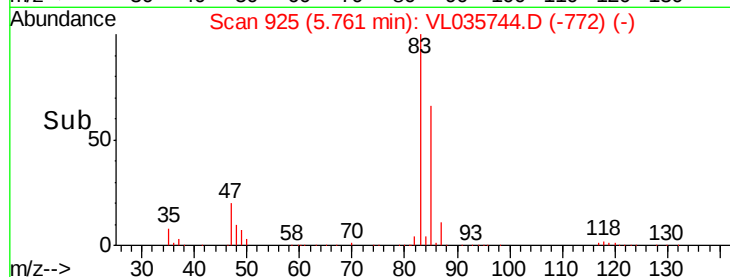
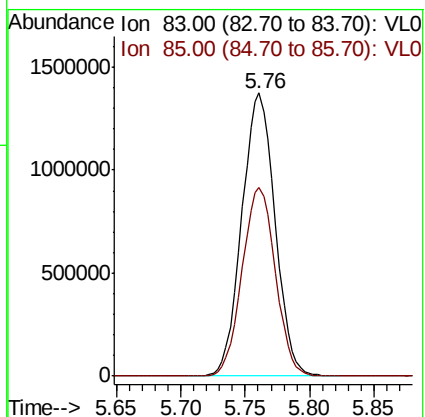
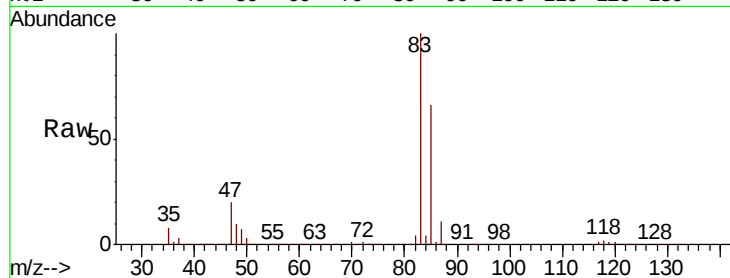
85 66.4 54.0 81.0

Manual Integrations

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#30

Cyclohexane

Concen: 10.979 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

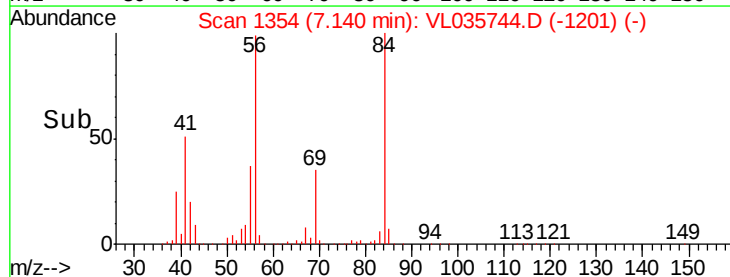
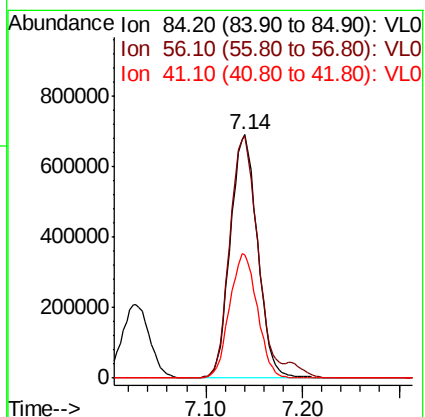
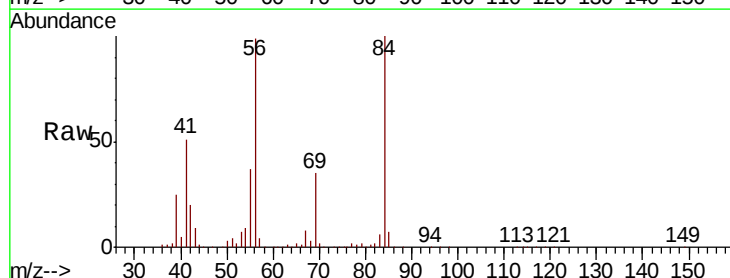
Tgt Ion: 84 Resp: 1356073

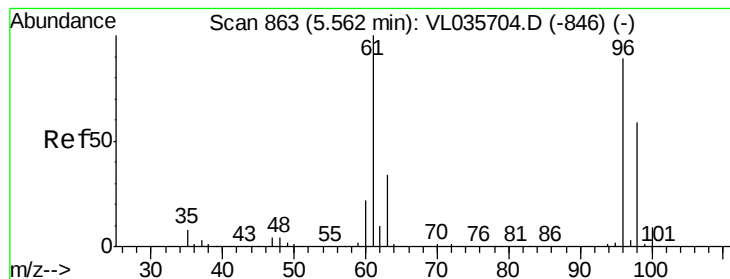
Ion Ratio Lower Upper

84 100

56 105.5 84.6 127.0

41 51.8 41.1 61.7





#31

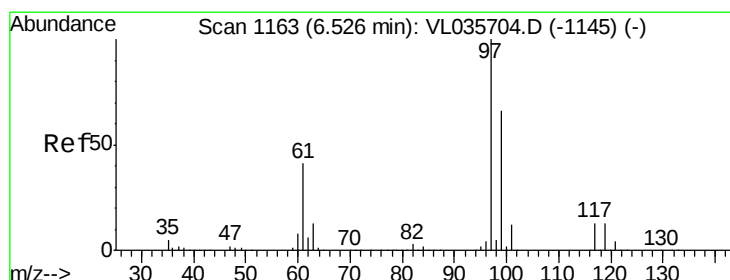
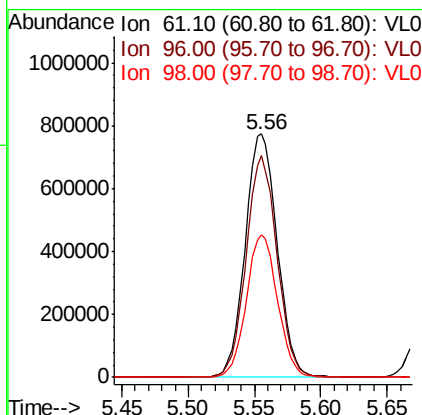
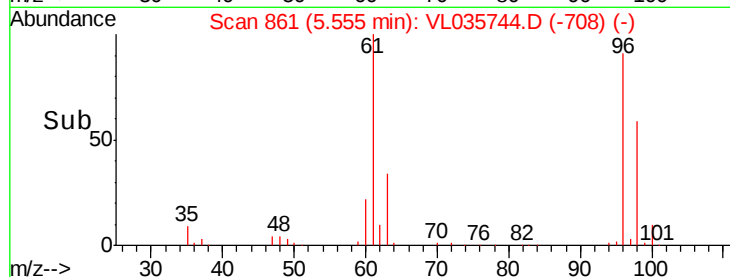
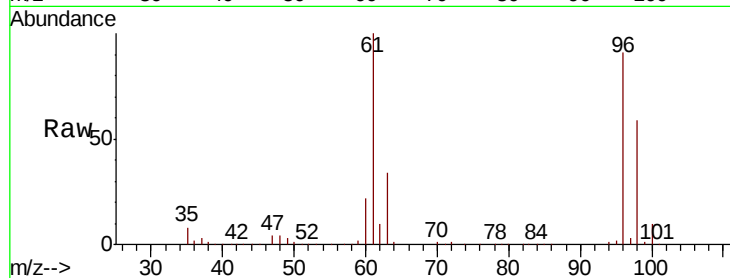
cis-1,2-Dichloroethene
 Concen: 10.739 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tot Ion: 61 Resp: 1297800
 Ion Ratio Lower Upper
 61 100
 96 91.1 71.4 107.2
 98 58.7 47.4 71.2

Manual Integrations
 APPROVED

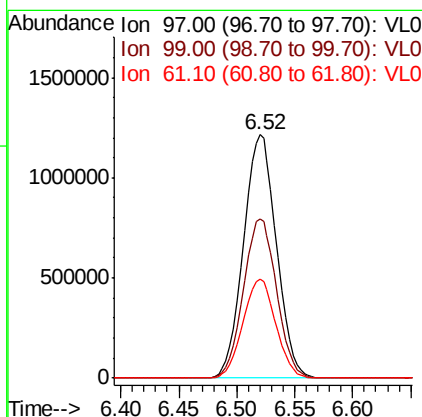
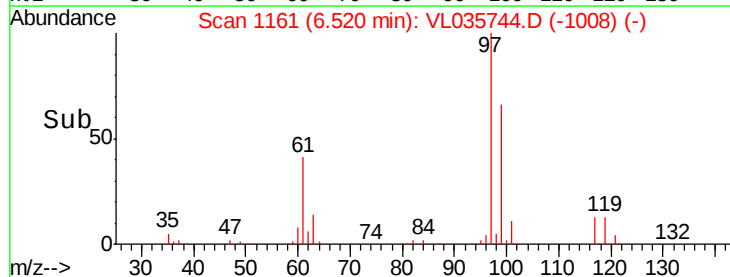
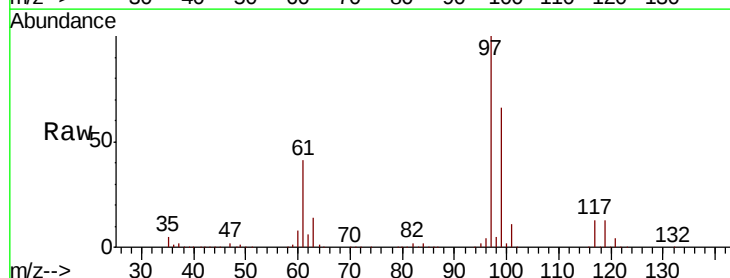
apatel
 10/12/2020 10:15:17 AM

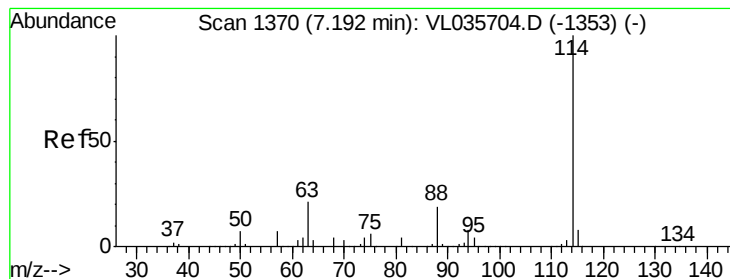


#32

1,1,1-Trichloroethane
 Concen: 10.721 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion: 97 Resp: 2402544
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.7 79.1
 61 40.8 32.7 49.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion:114 Resp: 4545594

Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

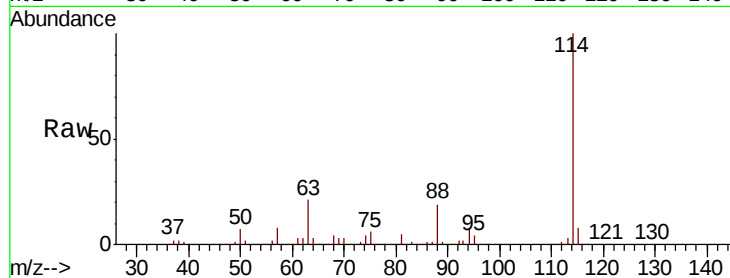
88 17.4 14.1 21.1

Manual Integrations

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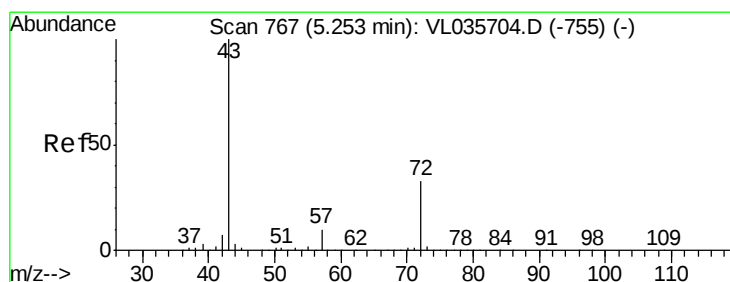
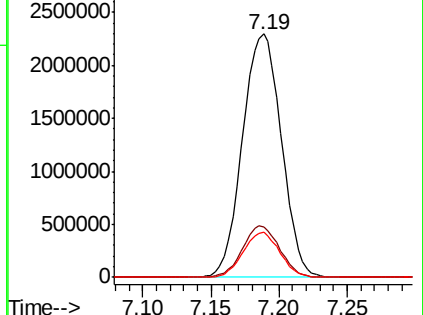
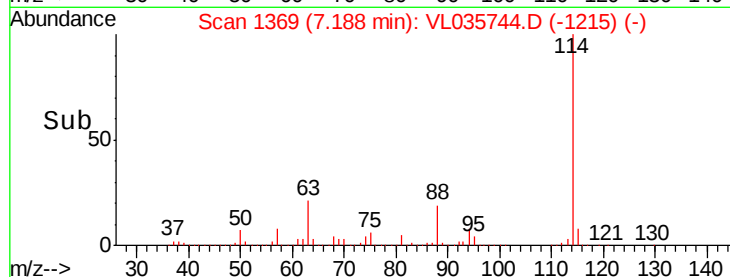
10/12/2020 10:15:17 AM



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: 10.185 ppbv

RT: 5.25 min Scan# 766

Delta R.T. -0.00 min

Lab File: VL035744.D

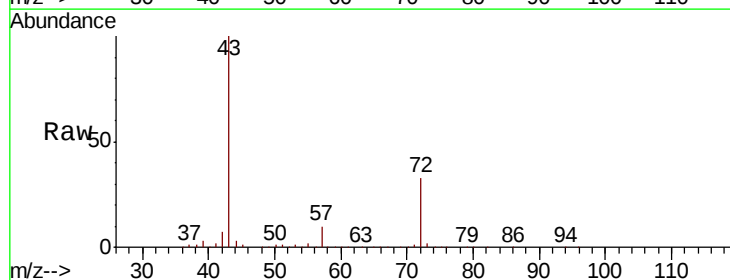
Acq: 8 Oct 2020 13:37

Tgt Ion: 43 Resp: 1531327

Ion Ratio Lower Upper

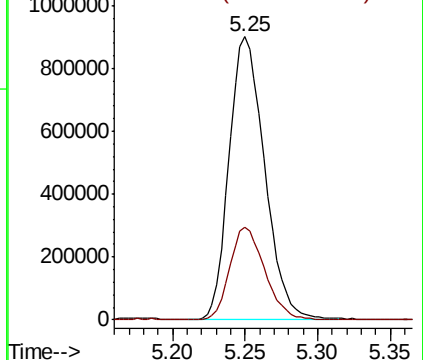
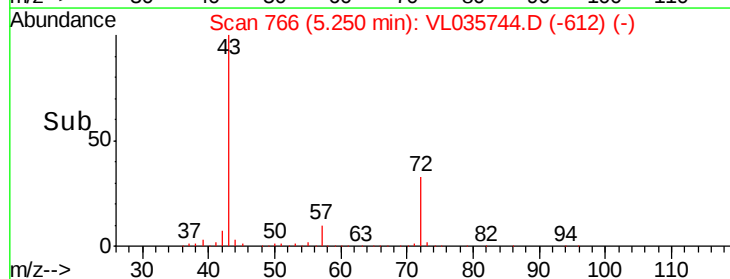
43 100

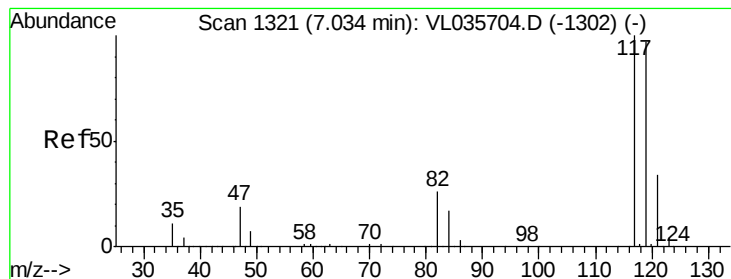
72 32.3 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.527 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion:117 Resp: 2495006

Ion Ratio Lower Upper

117 100

119 94.9 77.7 116.5

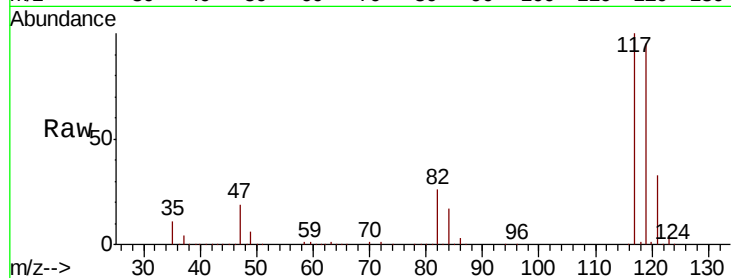
121 32.6 26.9 40.3

Manual Integrations

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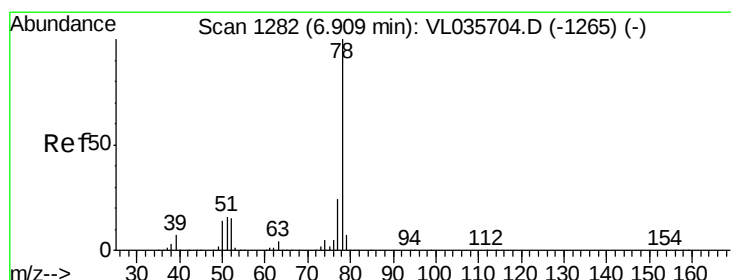
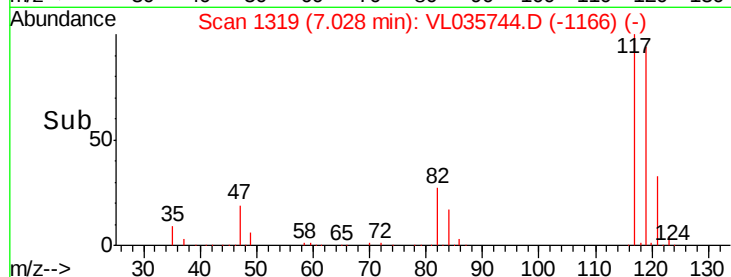
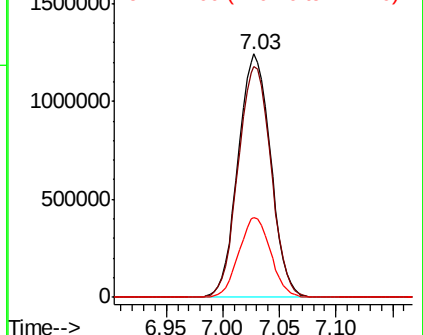
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.428 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

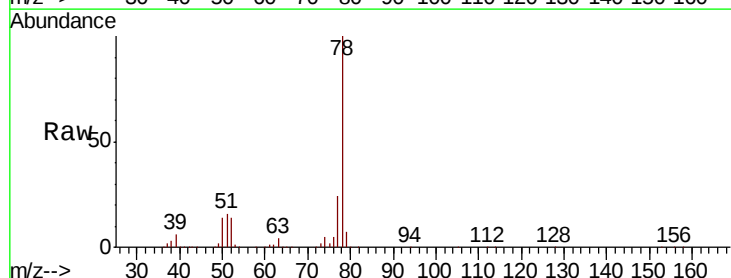
Tgt Ion: 78 Resp: 3088819

Ion Ratio Lower Upper

78 100

77 24.3 19.3 28.9

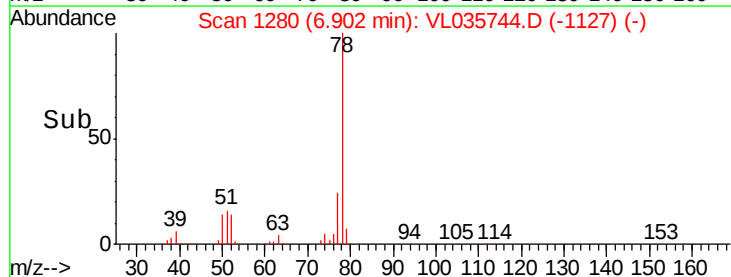
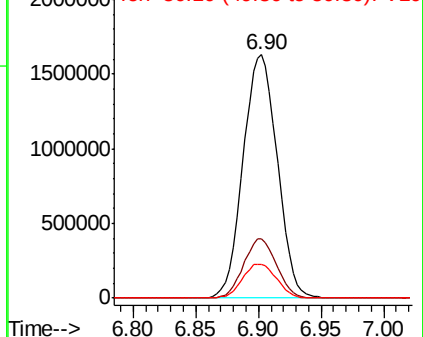
50 14.0 11.6 17.4

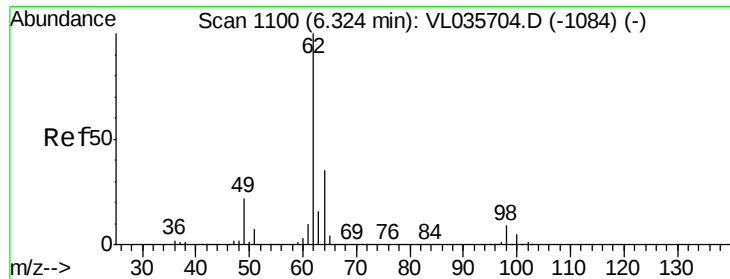


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





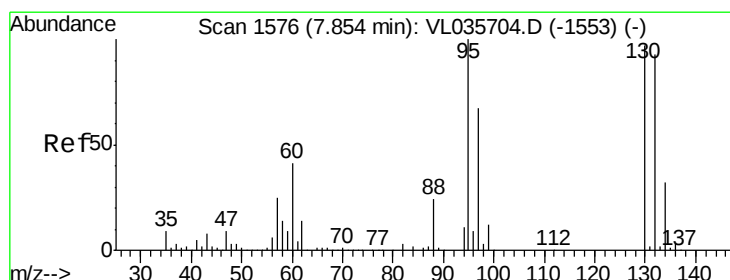
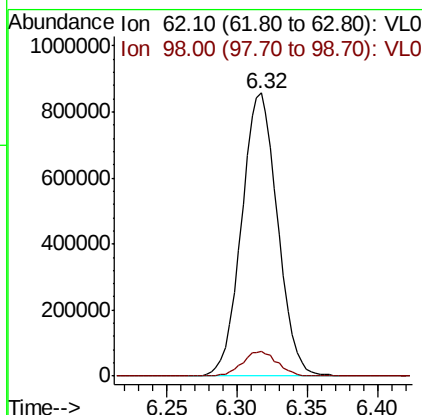
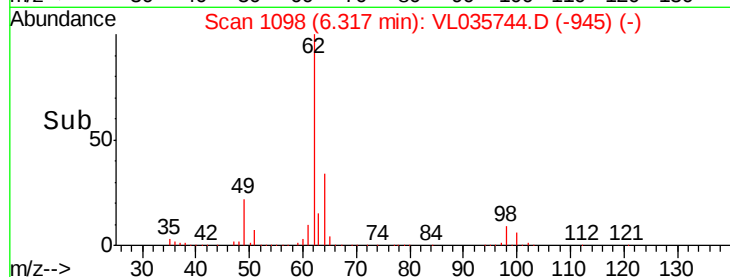
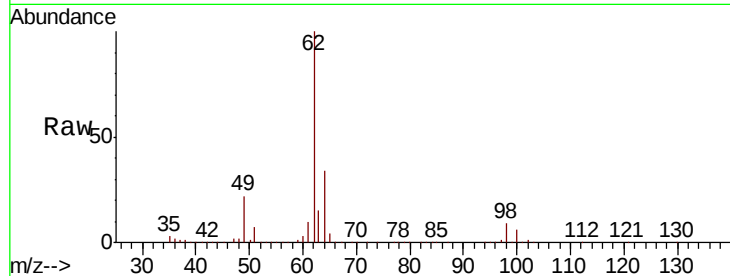
#37
 1,2-Dichloroethane
 Concen: 9.908 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tot Ion: 62 Resp: 1529582
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.9 10.3

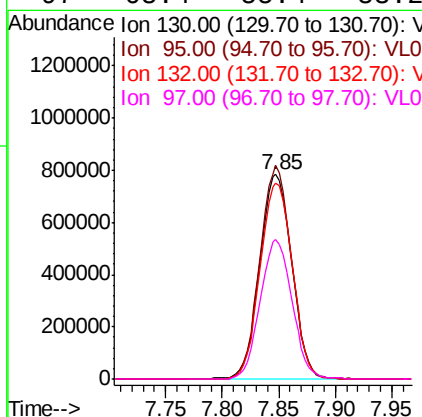
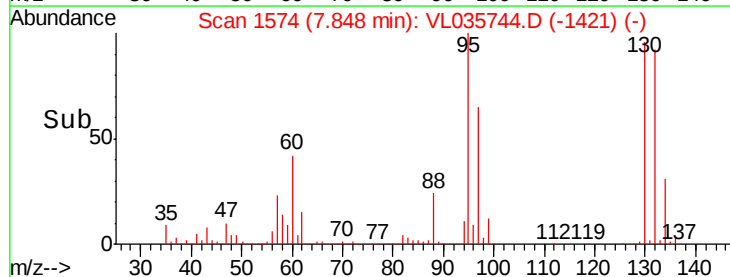
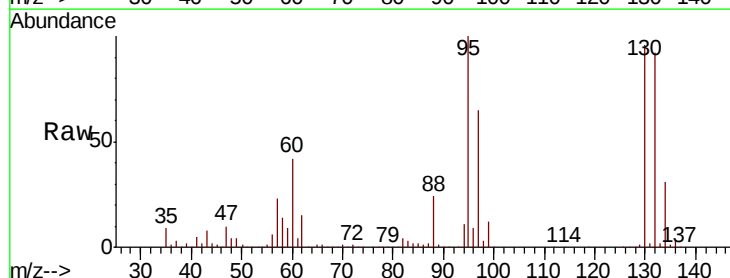
Manual Integrations
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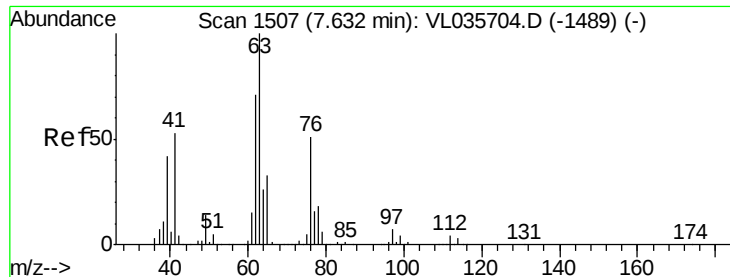
apatel
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#38
 Trichloroethene
 Concen: 10.445 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion: 130 Resp: 1543359
 Ion Ratio Lower Upper
 130 100
 95 104.5 82.4 123.6
 132 95.8 76.8 115.2
 97 68.4 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.006 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 63 Resp: 1074192

Ion Ratio Lower Upper

63 100

41 53.3 42.6 63.8

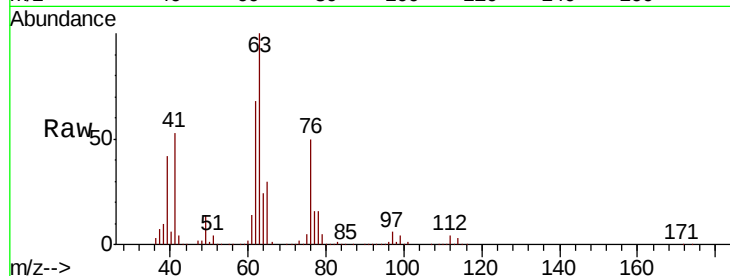
62 68.4 56.5 84.7

Manual Integrations

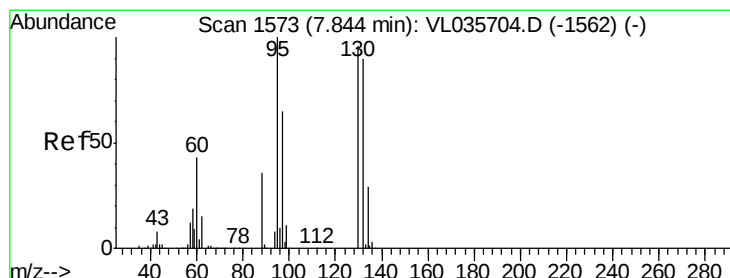
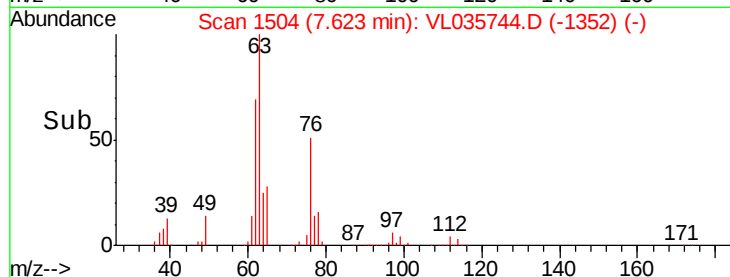
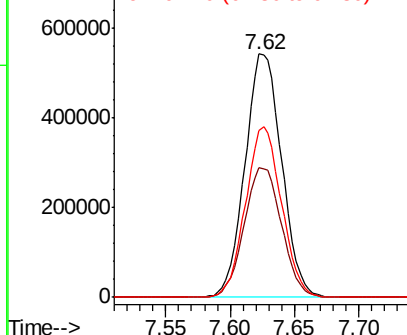
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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.497 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Tgt Ion: 88 Resp: 515385

Ion Ratio Lower Upper

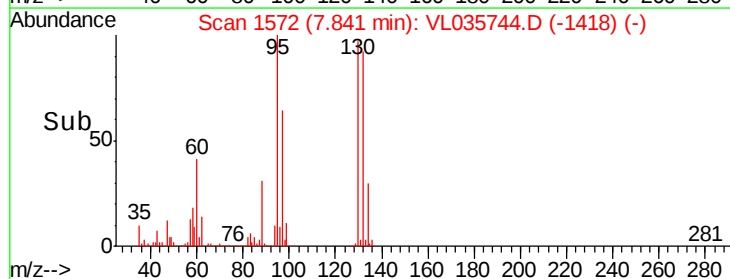
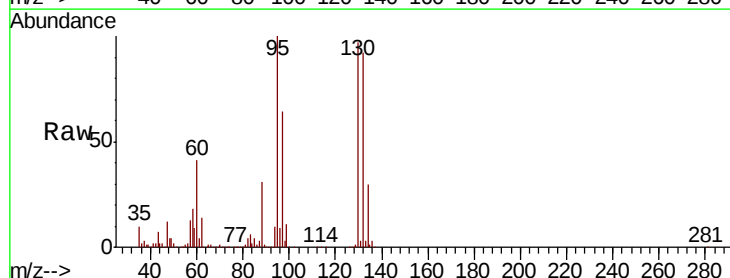
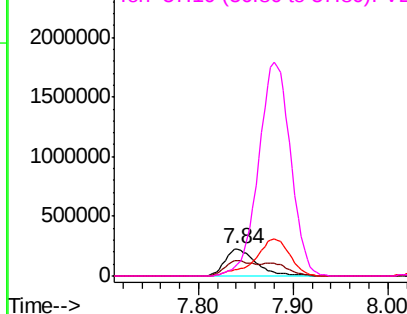
88 100

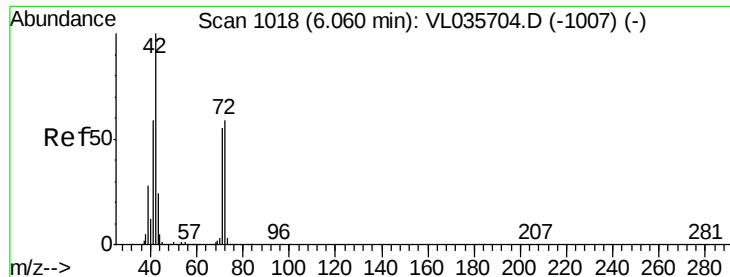
58 50.2 76.2 114.4#

43 0.0 123.4 185.2#

57 0.0 652.5 978.7#

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





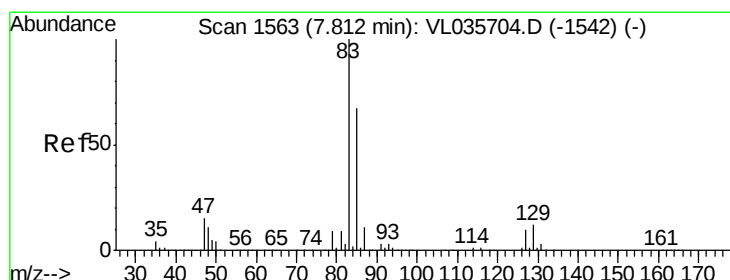
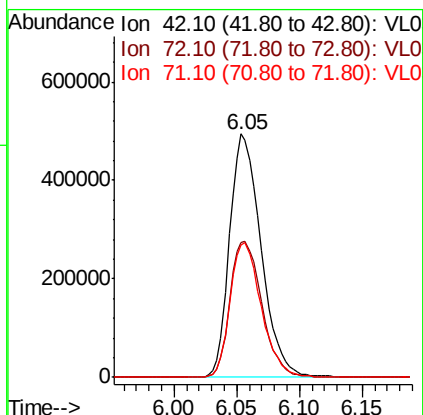
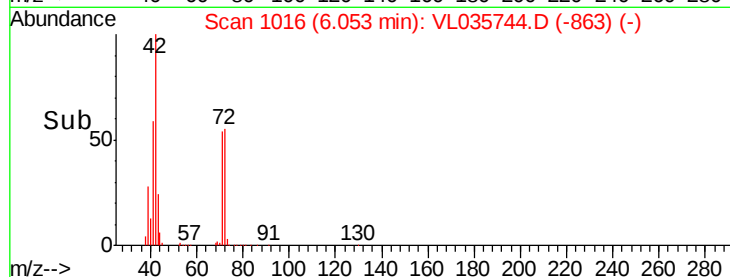
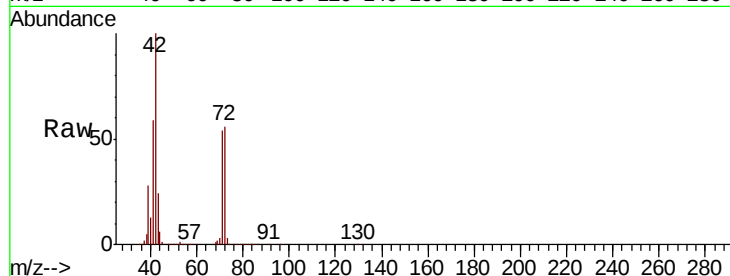
#41
Tetrahydrofuran
Concen: 11.374 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.9	46.2	69.4
71	55.0	44.2	66.4

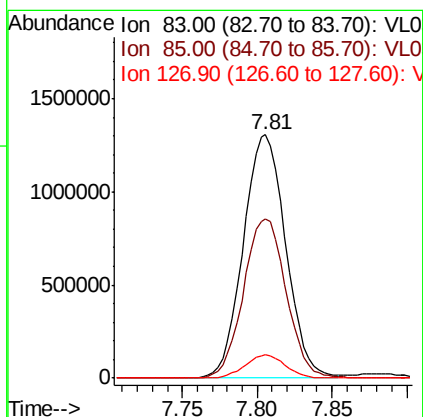
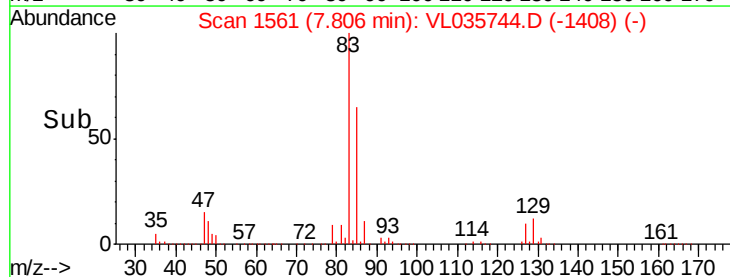
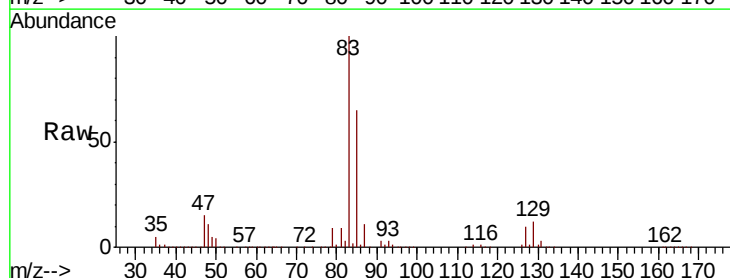
Manual Integrations
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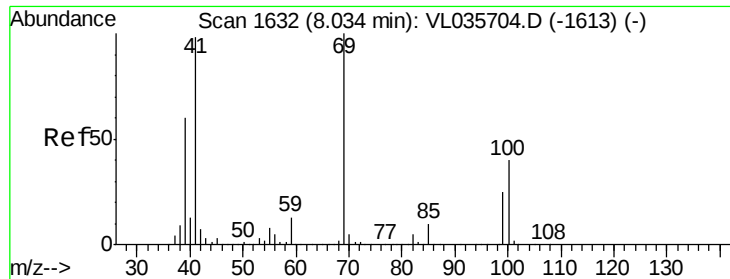
apatel
10/12/2020 10:15:17 AM



#42
Bromodichloromethane
Concen: 10.366 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.4	80.0
127	9.6	7.8	11.6





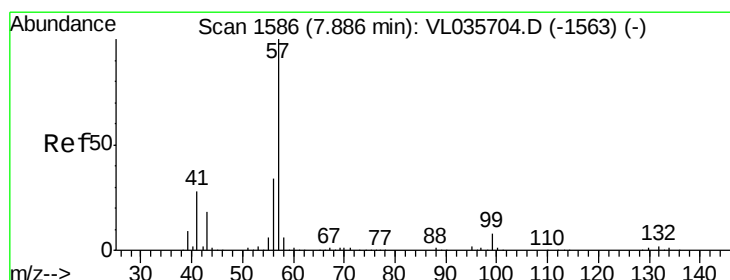
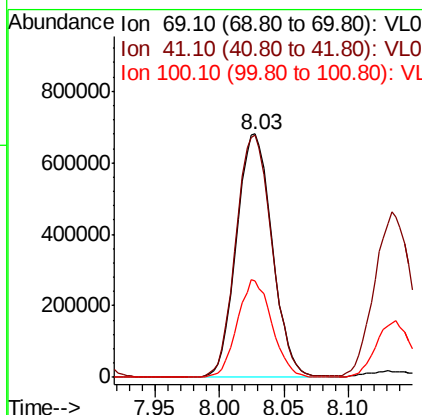
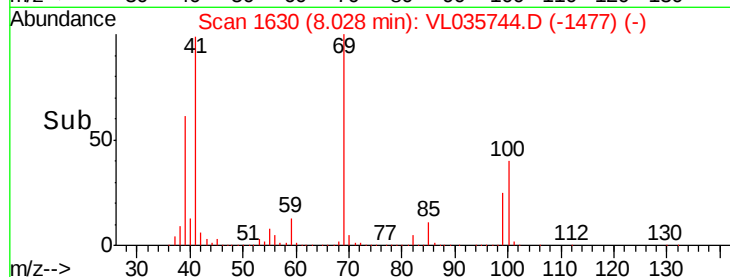
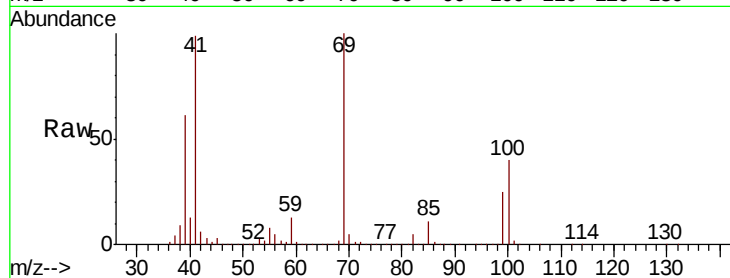
#43
Methyl Methacrylate
Concen: 11.152 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tot Ion: 69 Resp: 1313716
Ion Ratio Lower Upper
69 100
41 100.5 79.8 119.6
100 38.7 30.6 46.0

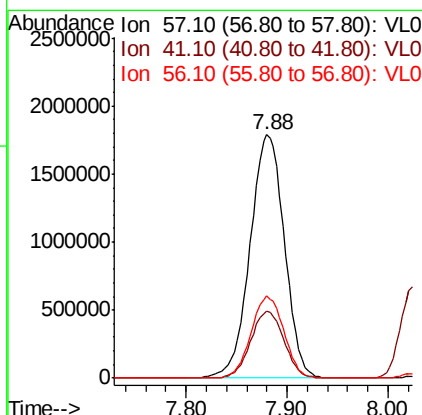
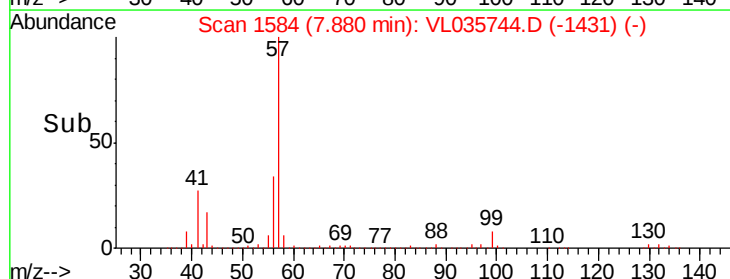
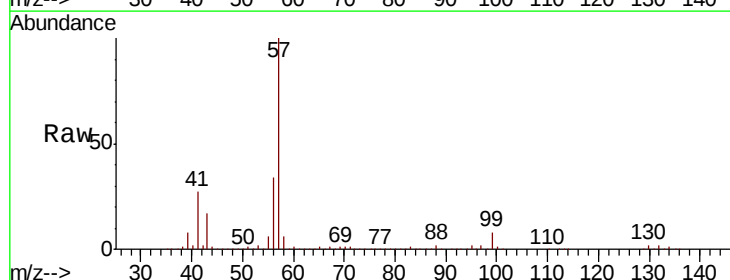
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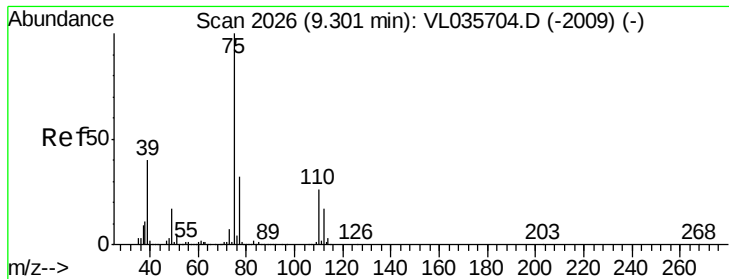
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10/12/2020 10:15:17 AM



#44
2,2,4-Trimethylpentane
Concen: 9.916 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion: 57 Resp: 4214660
Ion Ratio Lower Upper
57 100
41 26.6 21.2 31.8
56 32.2 25.8 38.8





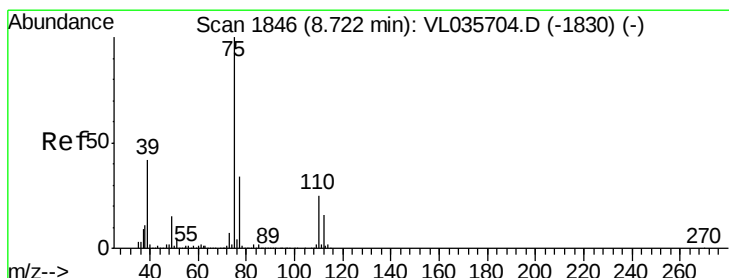
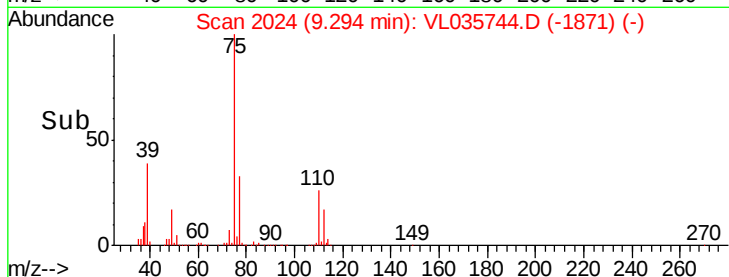
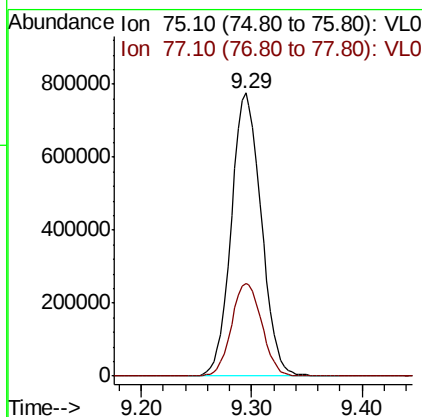
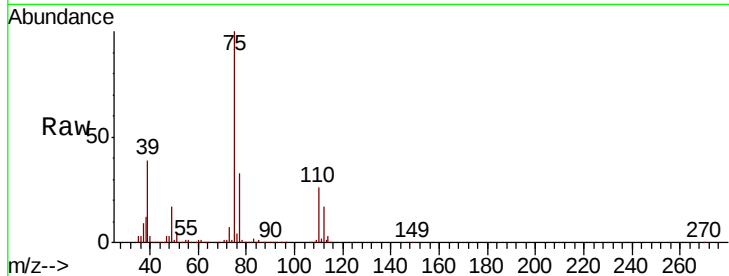
#45
 t-1,3-Dichloropropene
 Concen: 12.307 ppbv
 RT: 9.29 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tot Ion: 75 Resp: 1463657
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.9 38.9

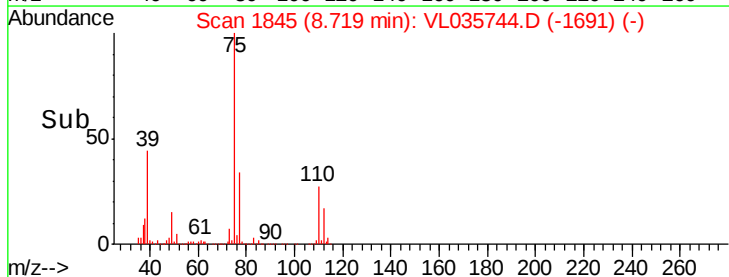
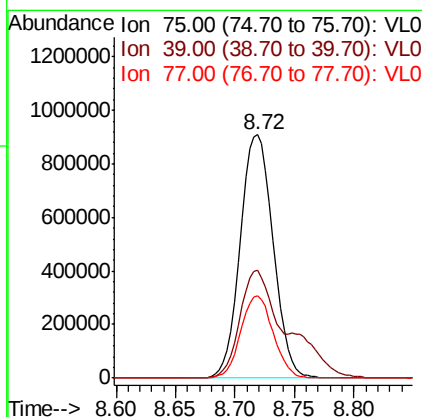
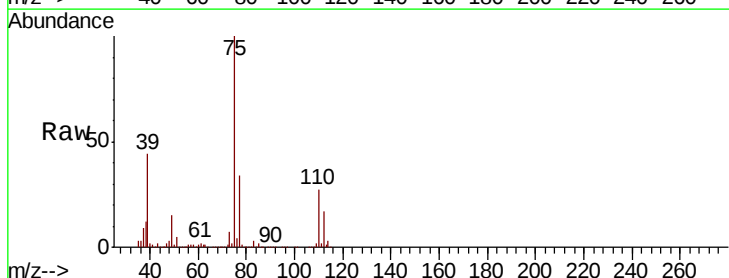
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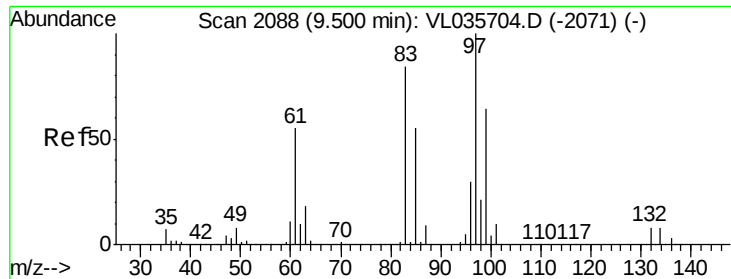
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#46
 cis-1,3-Dichloropropene
 Concen: 11.897 ppbv
 RT: 8.72 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion: 75 Resp: 1744160
 Ion Ratio Lower Upper
 75 100
 39 44.4 33.9 50.9
 77 33.6 27.4 41.0





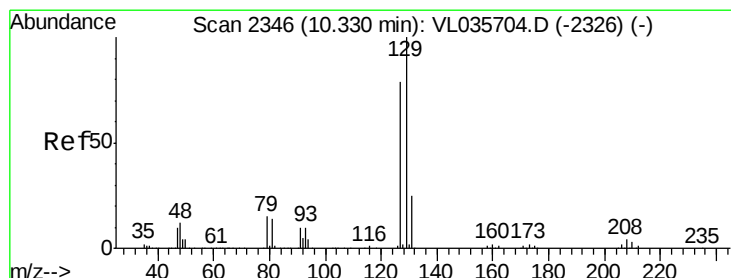
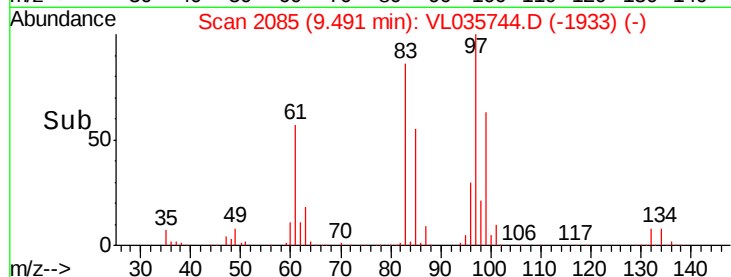
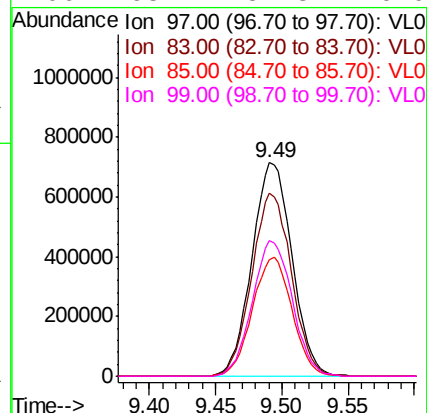
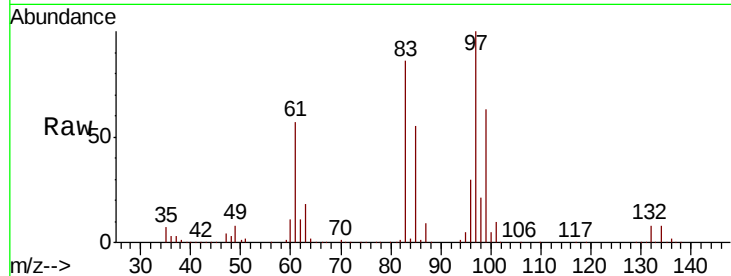
#47
 1,1,2-Trichloroethane
 Concen: 9.815 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.1	100.7
85	54.6	43.9	65.9
99	63.4	51.3	76.9

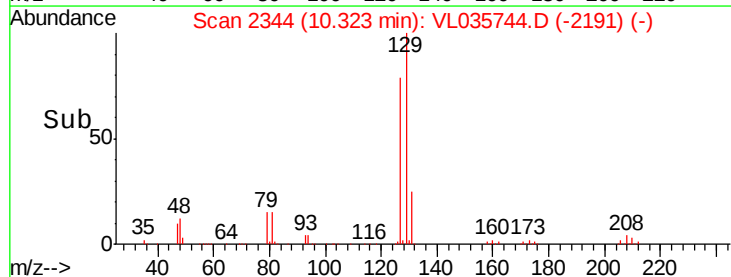
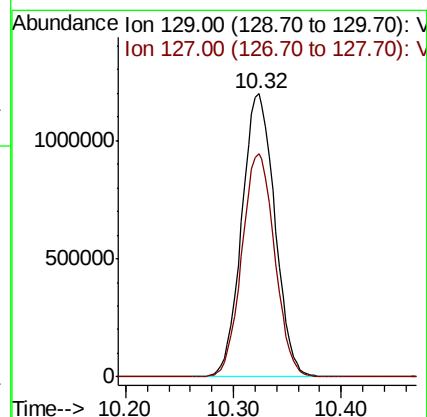
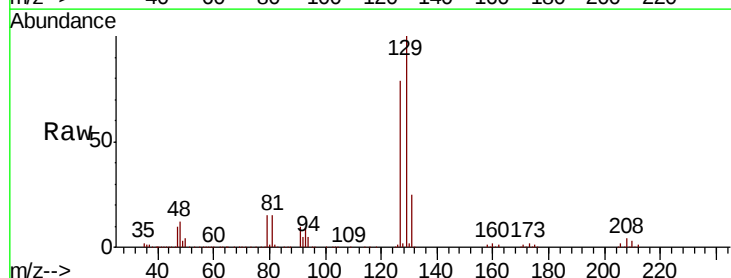
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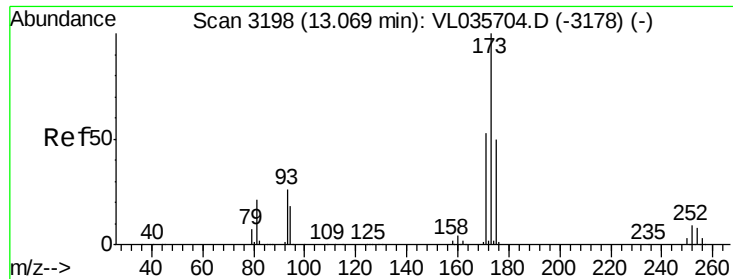
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#48
 Dibromochloromethane
 Concen: 10.918 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.1





#49

Bromoform

Concen: 11.441 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion:173 Resp: 2271865

Ion Ratio Lower Upper

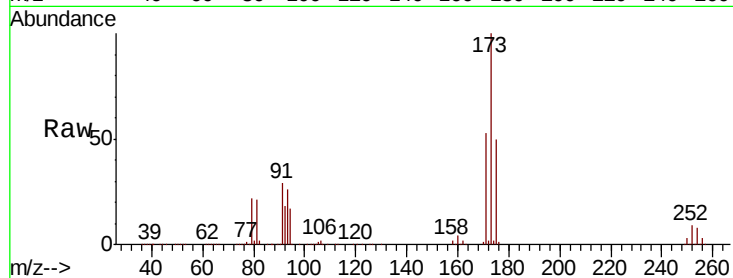
173 100

175 49.8 39.8 59.6

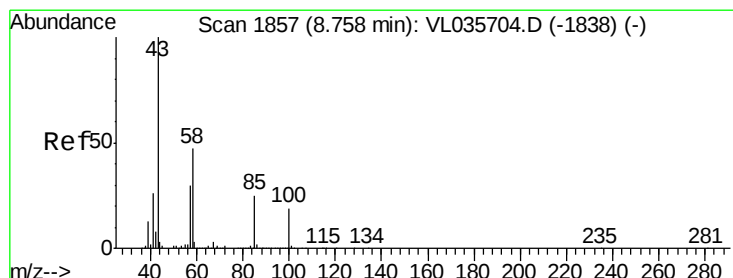
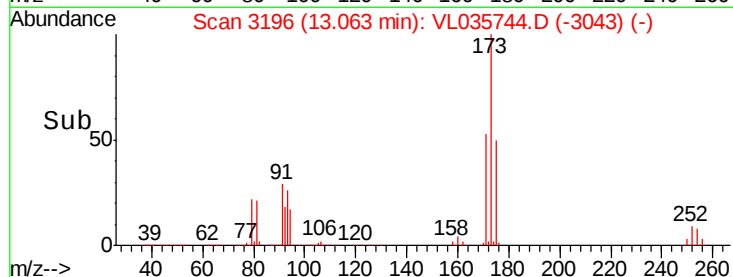
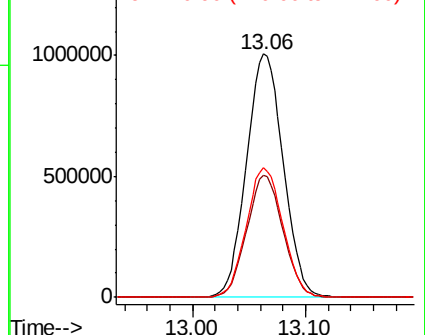
171 53.2 42.8 64.2

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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: 10.415 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VL035744.D

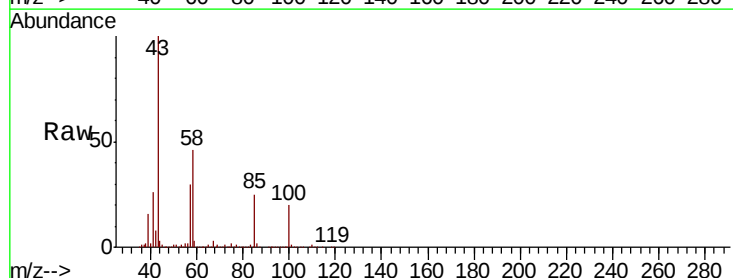
Acq: 8 Oct 2020 13:37

Tgt Ion: 43 Resp: 2287081

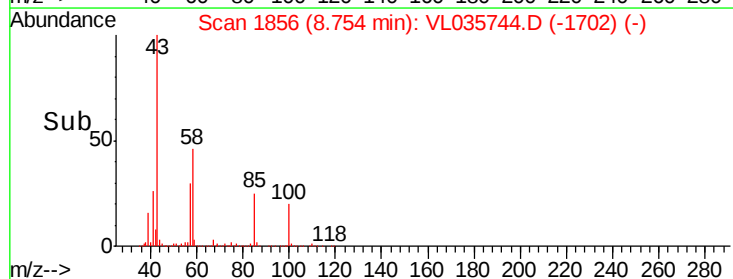
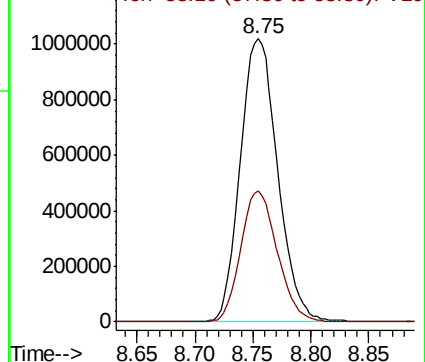
Ion Ratio Lower Upper

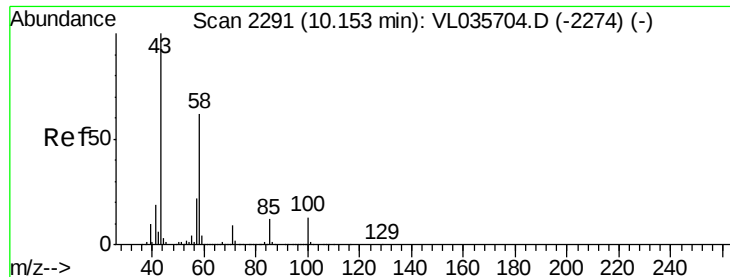
43 100

58 45.5 36.6 54.8



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





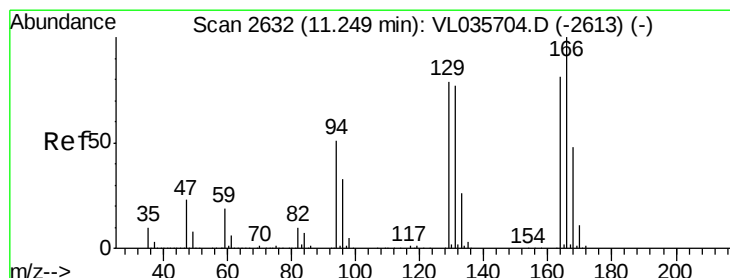
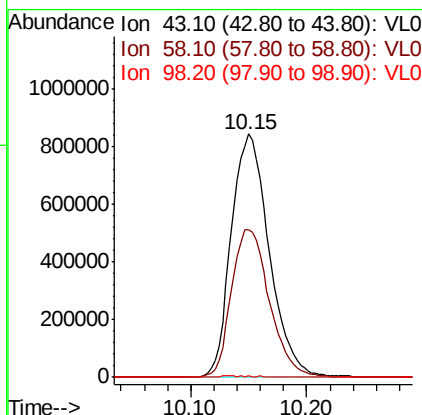
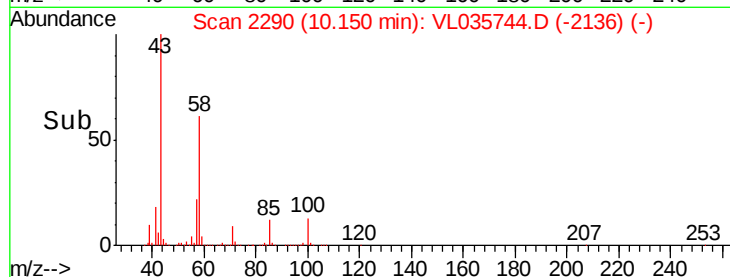
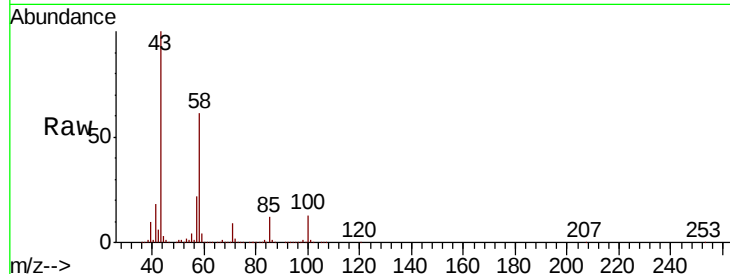
#51
2-Hexanone
Concen: 10.836 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tot Ion: 43 Resp: 1917295
Ion Ratio Lower Upper
43 100
58 60.9 48.7 73.1
98 0.8 0.7 1.1

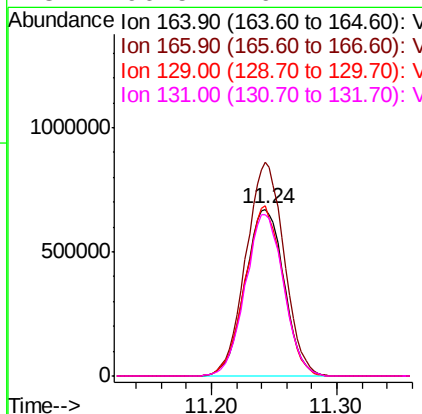
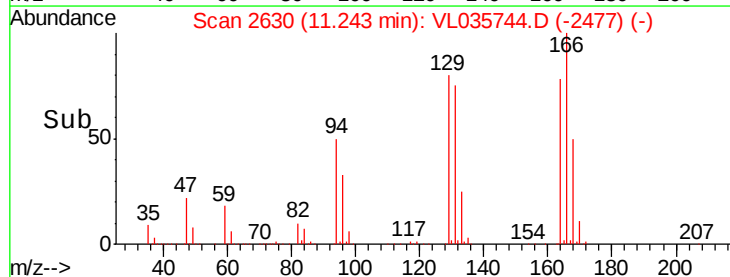
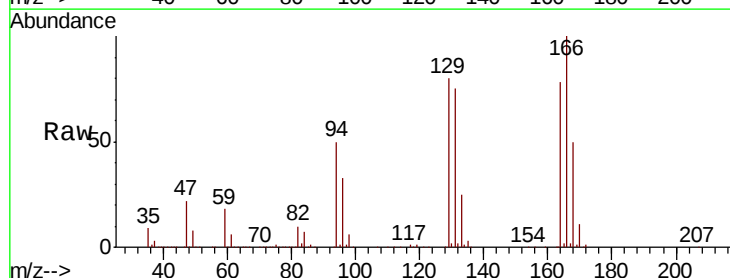
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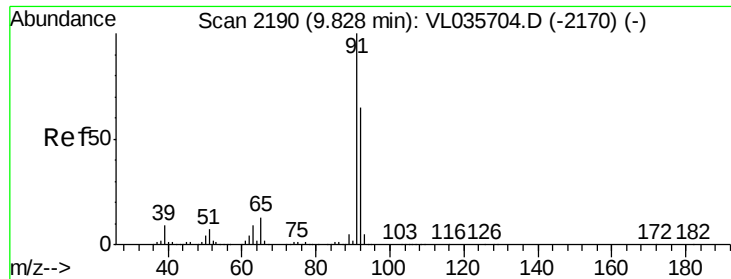
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#52
Tetrachloroethene
Concen: 10.193 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion: 164 Resp: 1451863
Ion Ratio Lower Upper
164 100
166 127.9 98.7 148.1
129 101.8 78.4 117.6
131 96.5 76.2 114.2





#53

Toluene

Concen: 11.072 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 91 Resp: 3866955

Ion Ratio Lower Upper

91 100

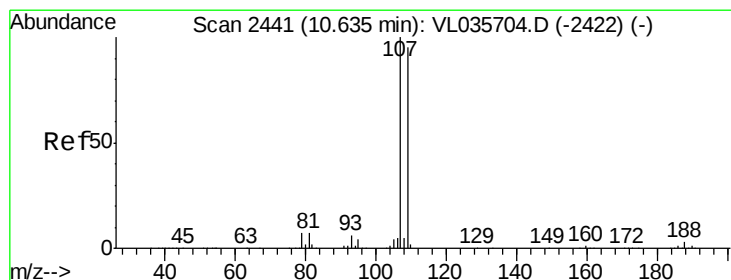
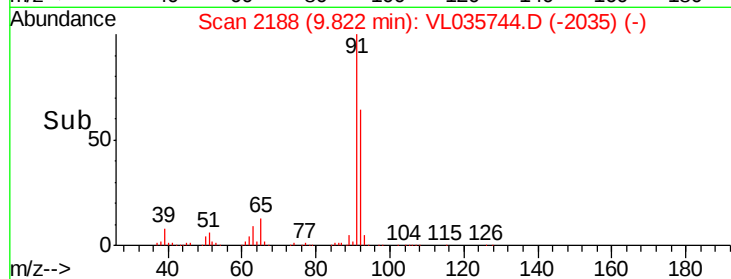
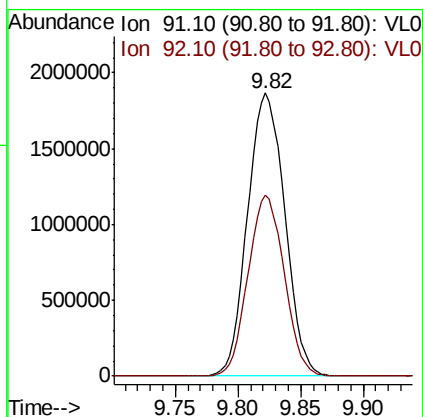
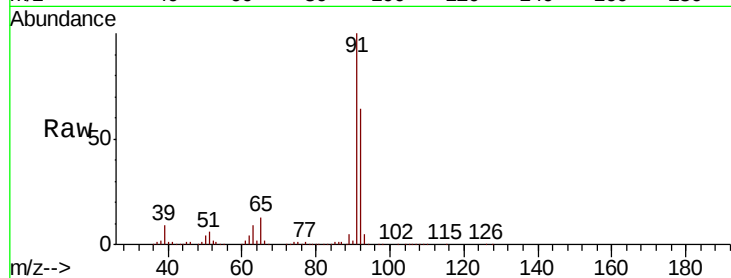
92 62.2 50.0 75.0

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#54

1,2-Dibromoethane

Concen: 10.219 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035744.D

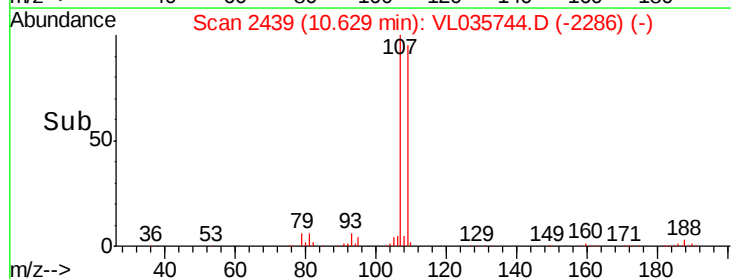
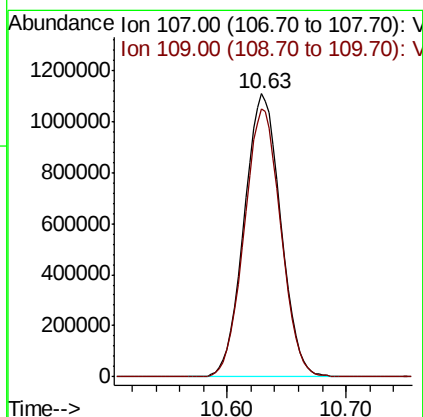
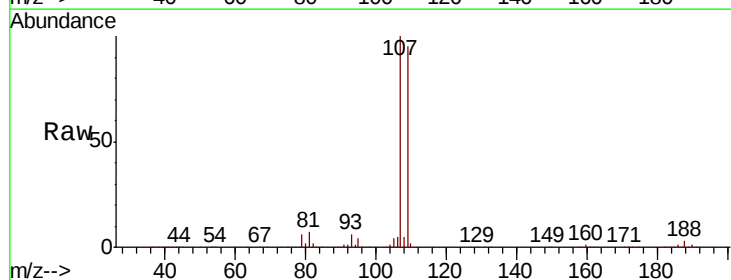
Acq: 8 Oct 2020 13:37

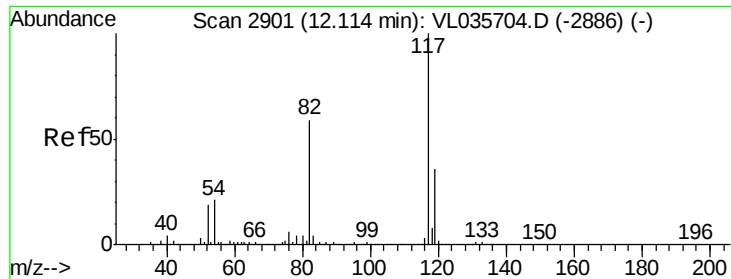
Tgt Ion: 107 Resp: 2352930

Ion Ratio Lower Upper

107 100

109 94.7 76.0 114.0





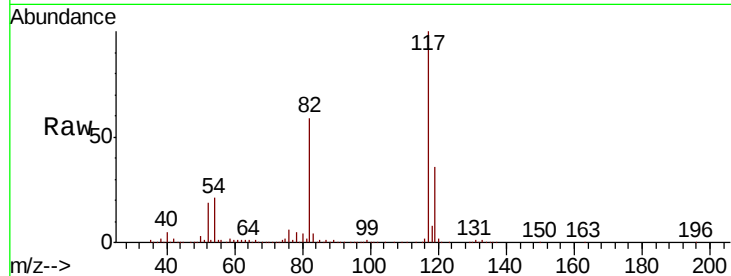
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

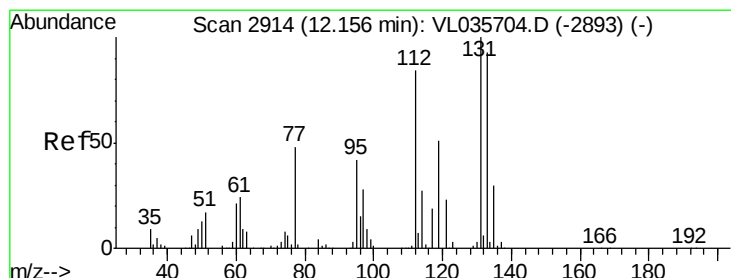
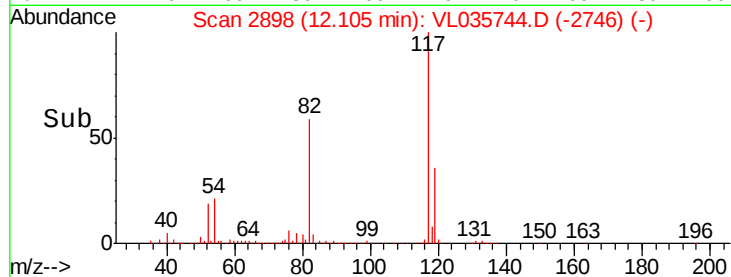
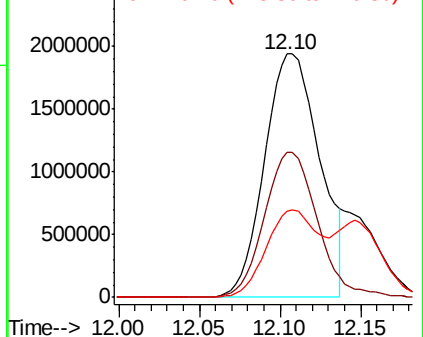
Tot Ion:117 Resp: 4586121
Ion Ratio Lower Upper
117 100
82 57.5 46.1 69.1
119 34.9 28.0 42.0

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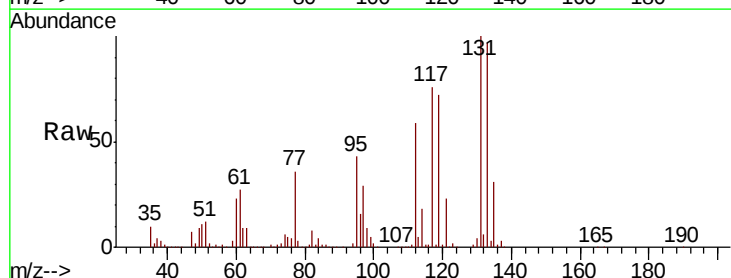


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

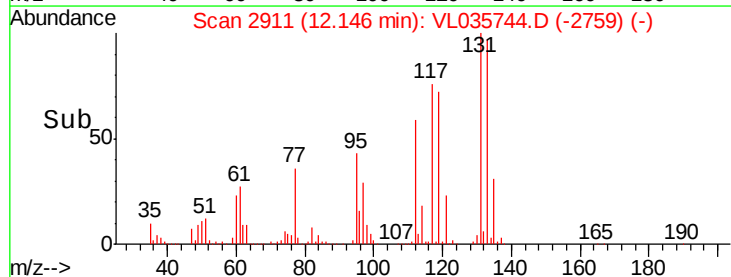
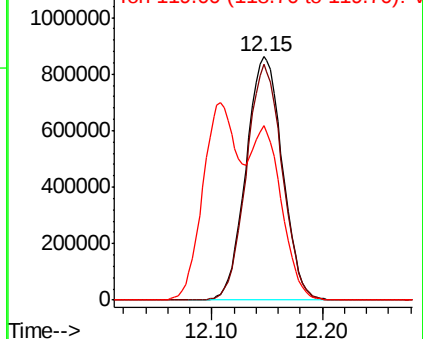


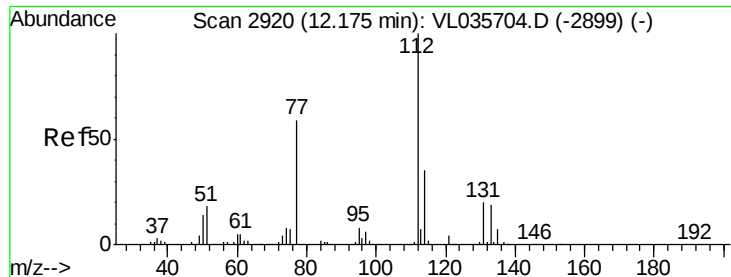
#56
1,1,1,2-Tetrachloroethane
Concen: 10.222 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion:131 Resp: 1965688
Ion Ratio Lower Upper
131 100
133 95.7 76.2 114.4
119 60.7 52.4 78.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





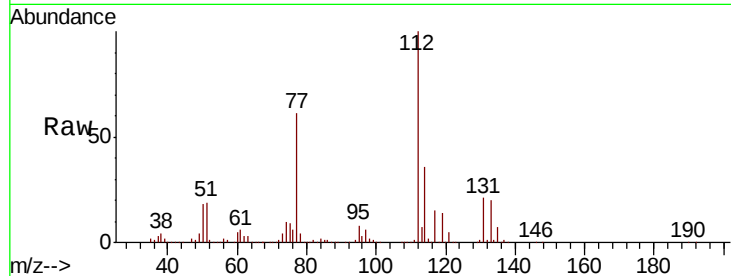
#57
Chlorobenzene
Concen: 9.373 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

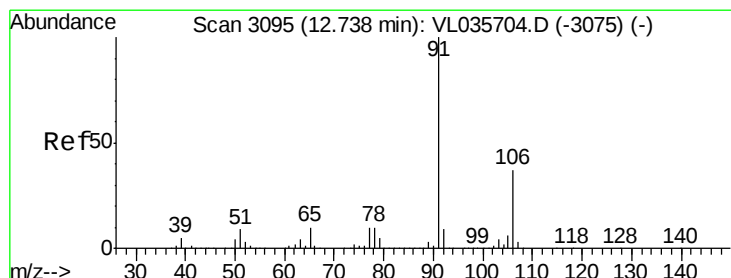
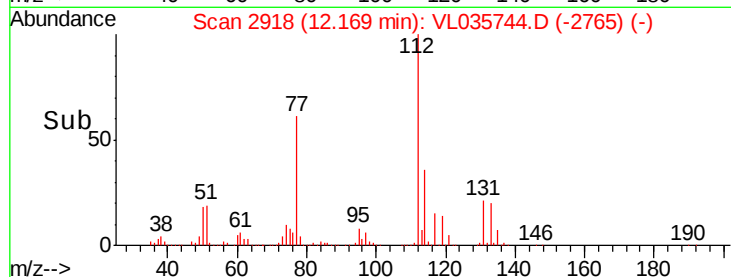
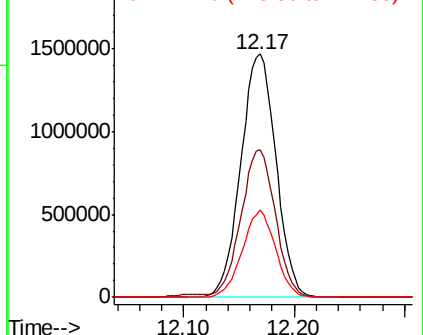
Tot Ion: 112 Resp: 3246574
Ion Ratio Lower Upper
112 100
77 60.6 48.2 72.2
114 35.7 31.9 39.1

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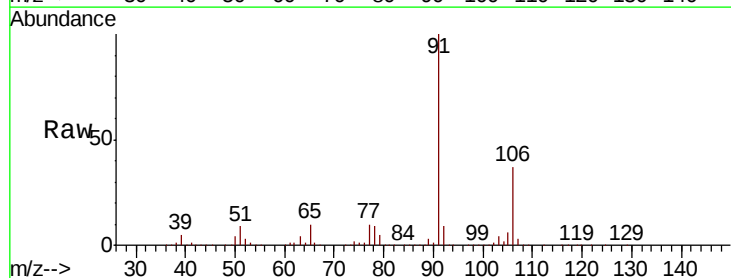


Abundance Ion 112.10 (111.80 to 112.80): V
2000000 Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

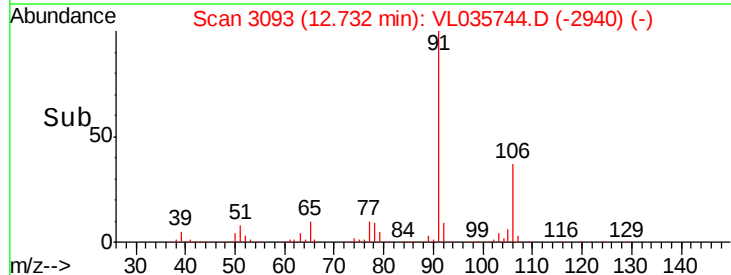
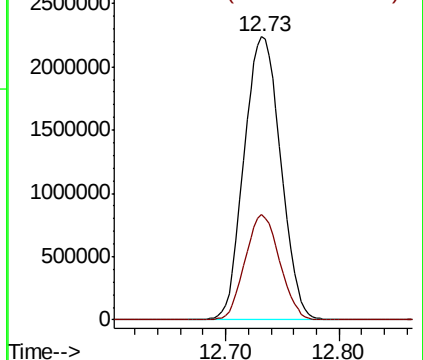


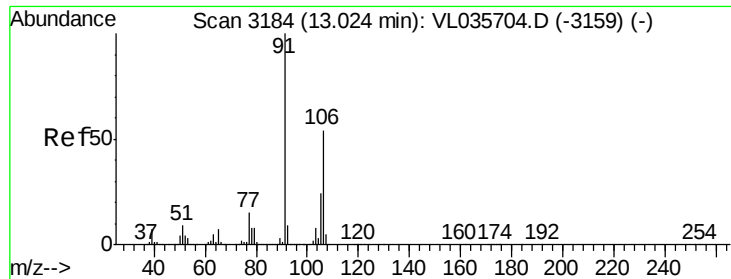
#58
Ethyl Benzene
Concen: 10.969 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion: 91 Resp: 5049083
Ion Ratio Lower Upper
91 100
106 37.3 29.7 44.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





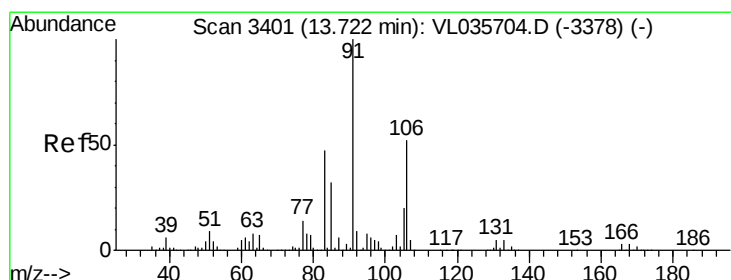
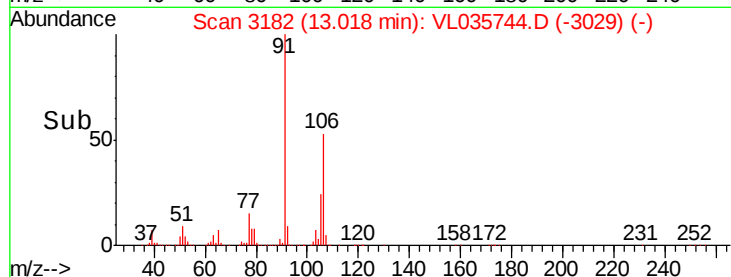
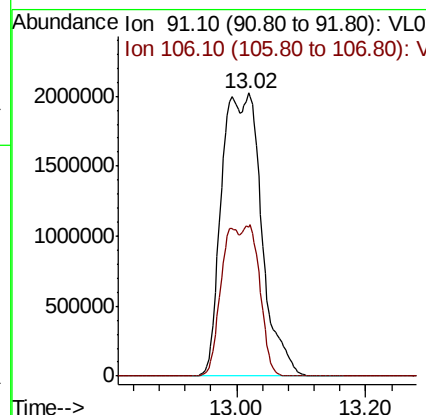
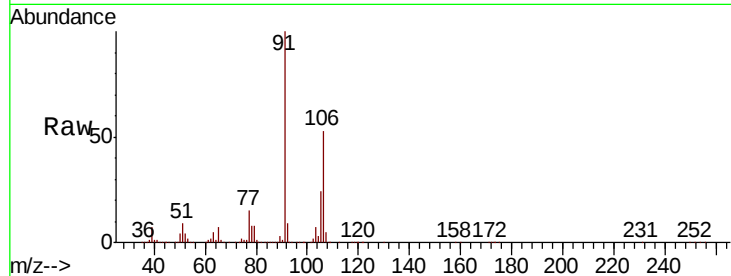
#59
m/p-Xylene
Concen: 21.535 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tot Ion: 91 Resp: 8656868
Ion Ratio Lower Upper
91 100
106 49.6 41.4 62.0

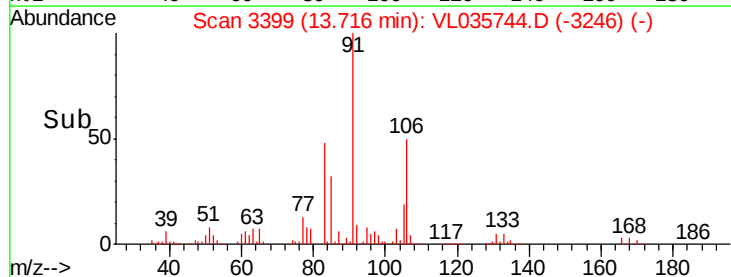
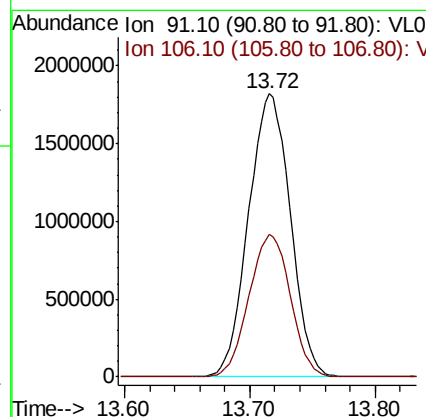
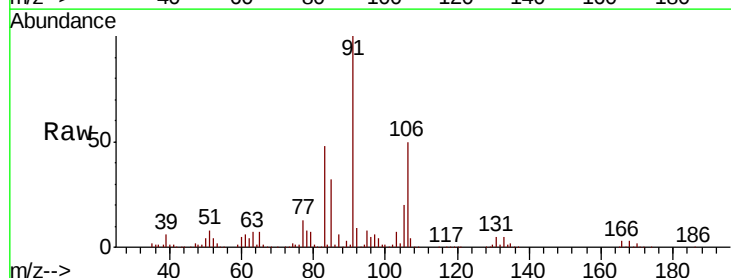
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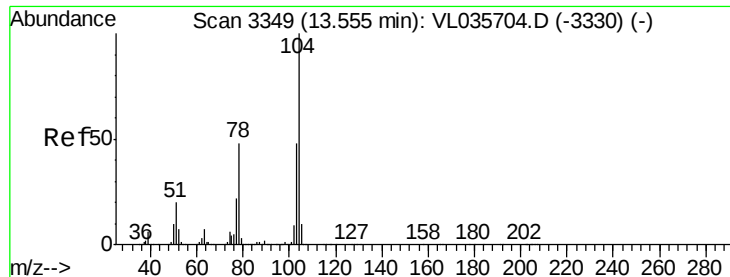
apatel
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#60
o-Xylene
Concen: 10.370 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion: 91 Resp: 4216941
Ion Ratio Lower Upper
91 100
106 49.9 25.0 75.0





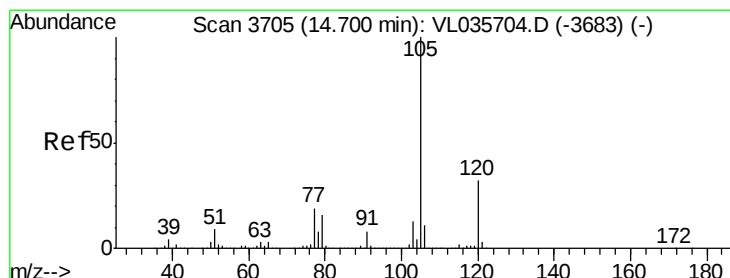
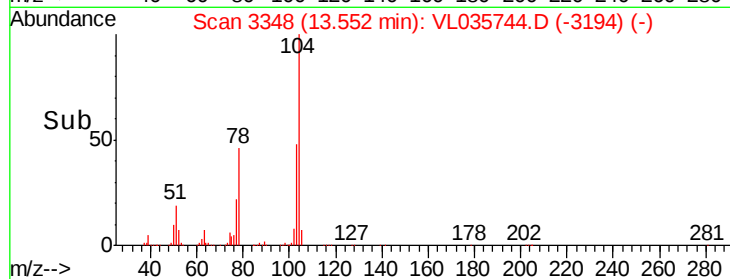
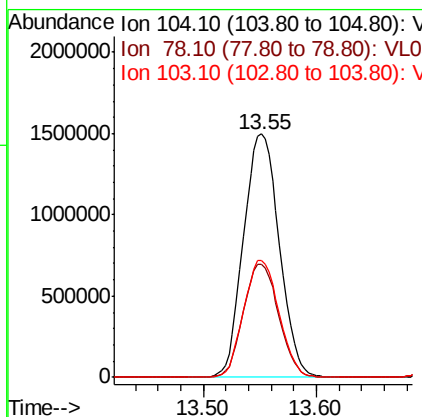
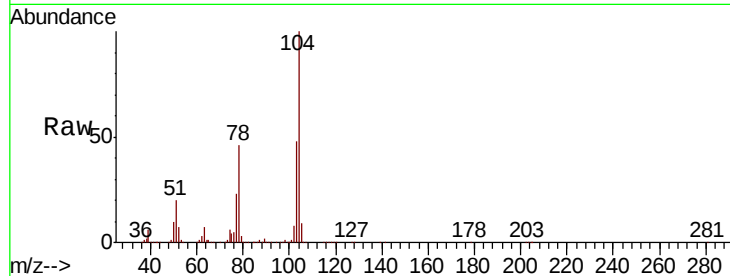
#61
Stvrene
Concen: 11.719 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.1	37.2	55.8
103	47.5	38.2	57.2

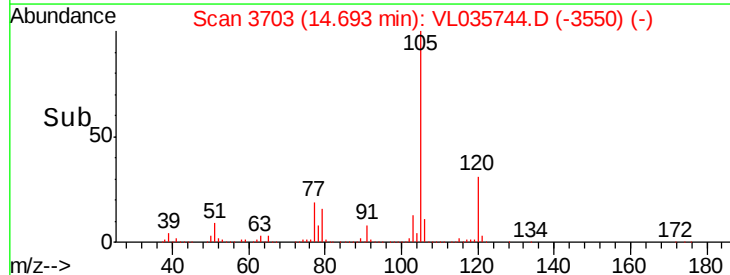
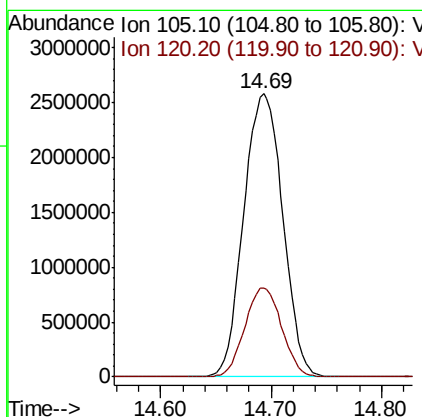
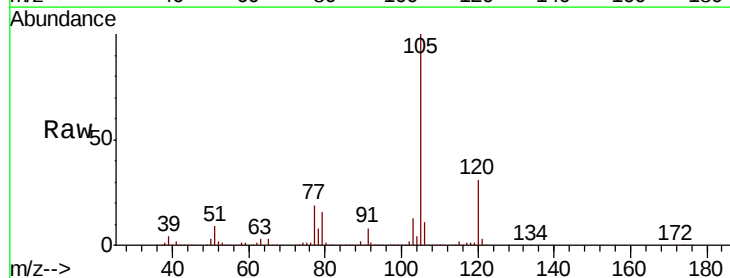
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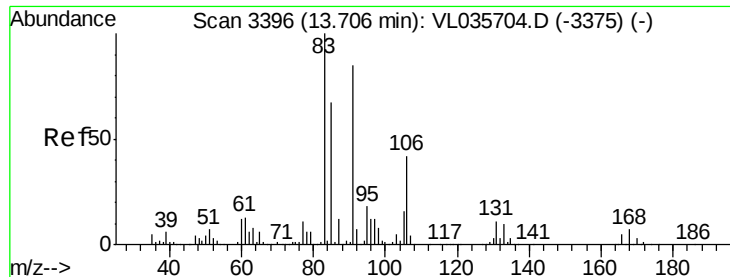
apatel
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#62
Isopropylbenzene
Concen: 10.055 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.01 min
Lab File: VL035744.D
Acq: 8 Oct 2020 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.7	24.1	36.1





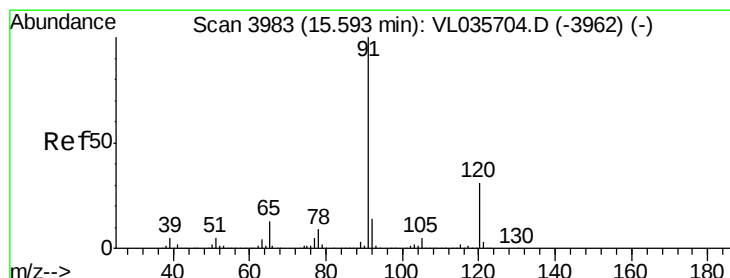
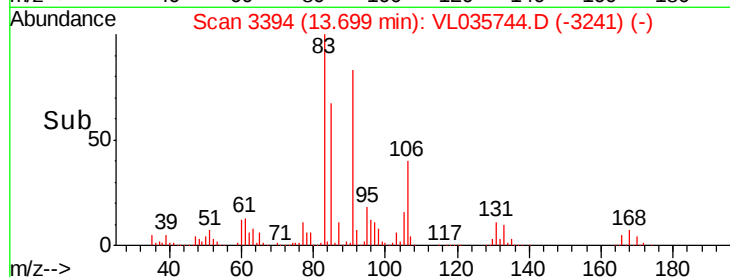
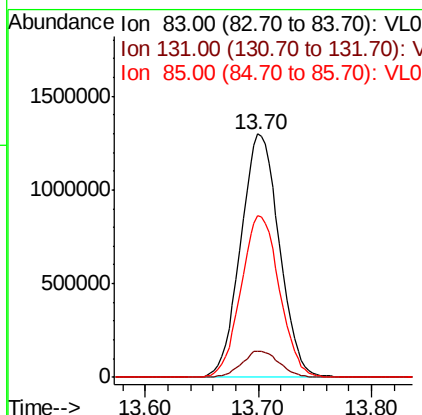
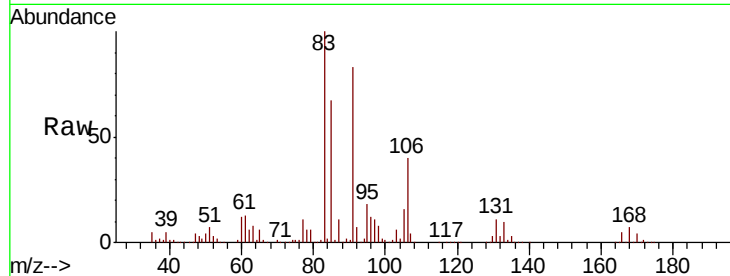
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.238 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tot Ion: 83 Resp: 3080503
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 16.1
 85 66.4 33.4 100.2

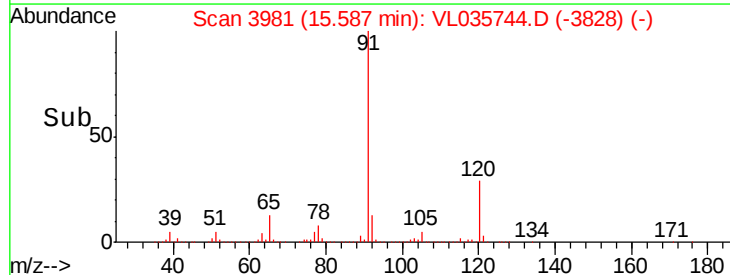
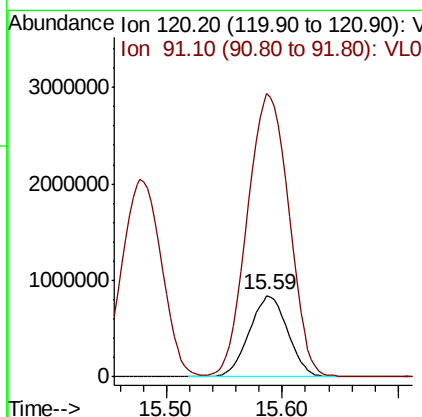
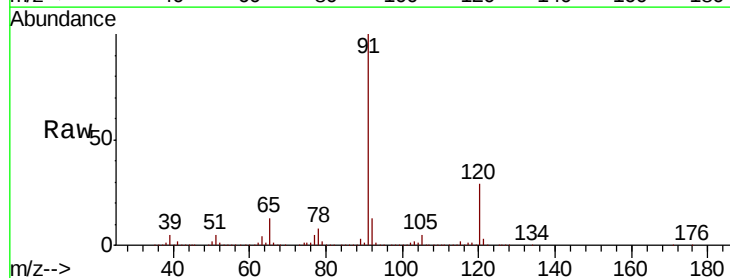
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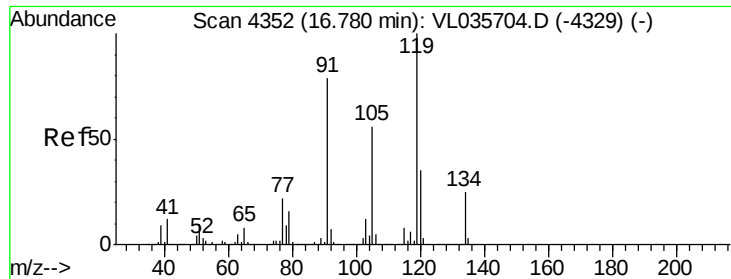
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#64
 n-propylbenzene
 Concen: 10.485 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion:120 Resp: 1935522
 Ion Ratio Lower Upper
 120 100
 91 379.2 300.4 450.6





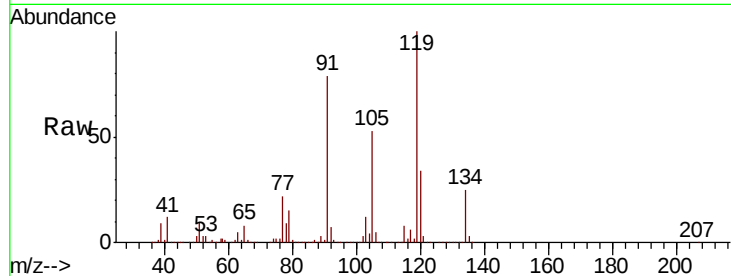
#65
 tert-Butylbenzene
 Concen: 10.172 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

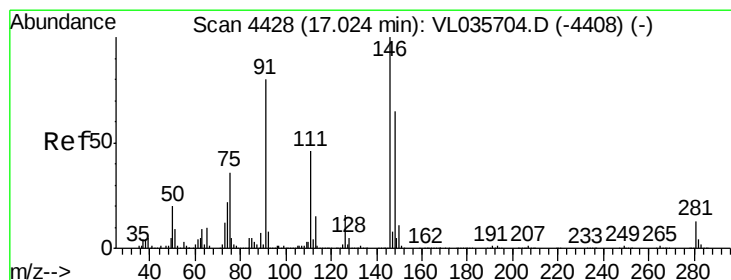
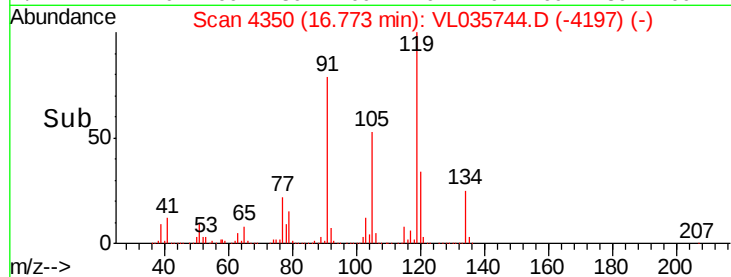
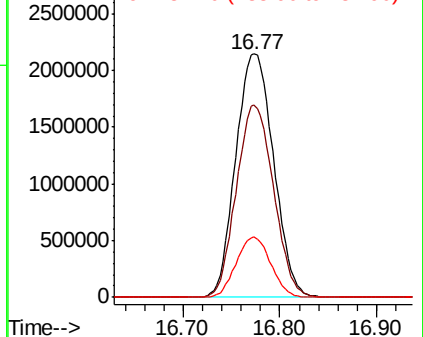
Tot Ion: 119 Resp: 5832908
 Ion Ratio Lower Upper
 119 100
 91 77.7 62.4 93.6
 134 22.7 18.2 27.2

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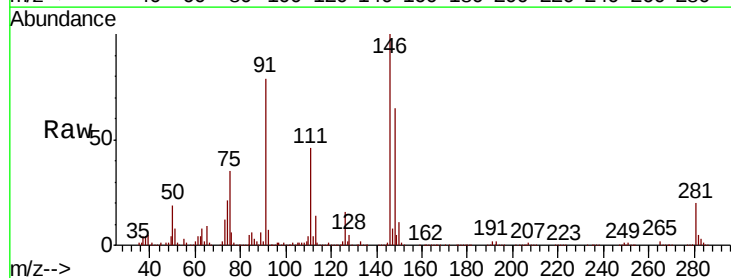


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

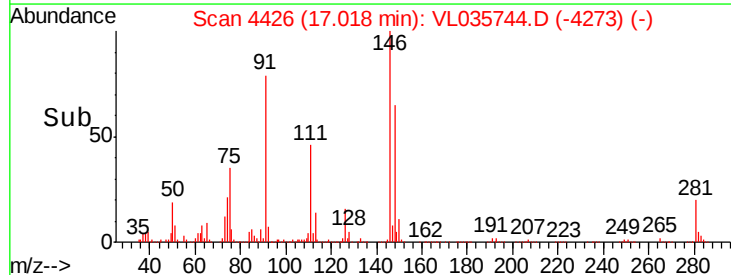
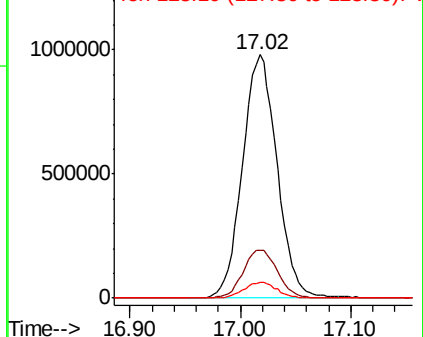


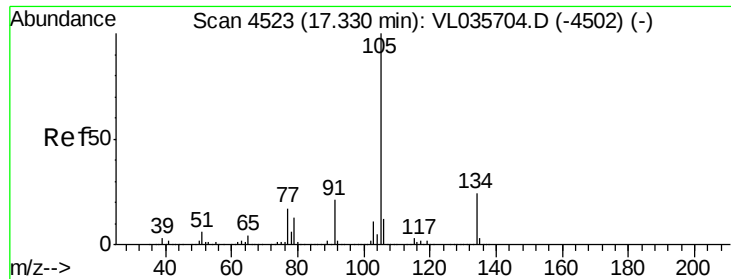
#66
 Benzyl Chloride
 Concen: 12.241 ppbv
 RT: 17.02 min Scan# 4426
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion: 91 Resp: 2126671
 Ion Ratio Lower Upper
 91 100
 126 19.7 15.3 22.9
 128 6.4 5.0 7.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.842 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 105 Resp: 7793903

Ion Ratio Lower Upper

105 100

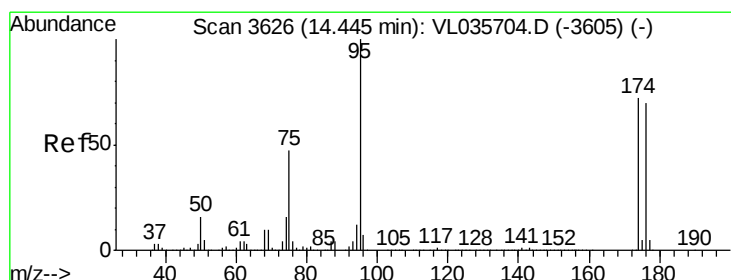
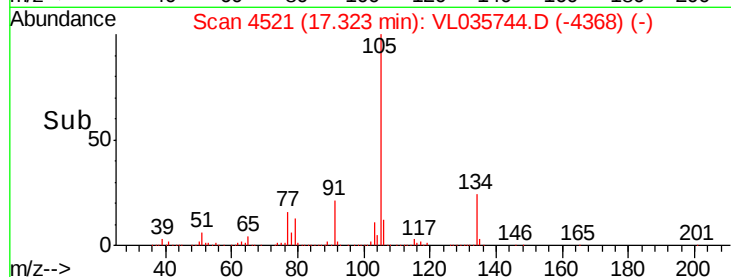
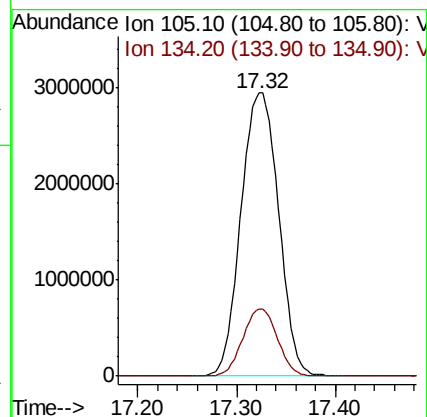
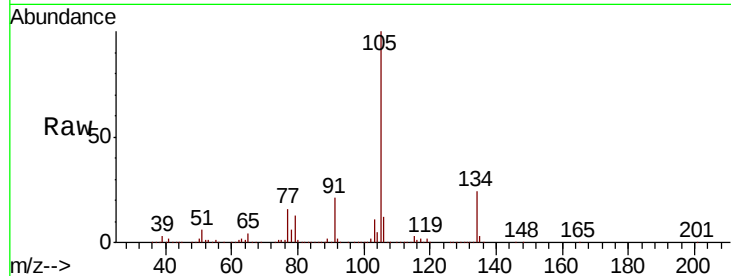
134 21.9 17.6 26.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.733 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

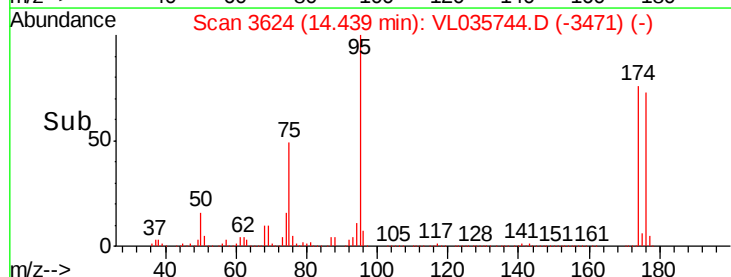
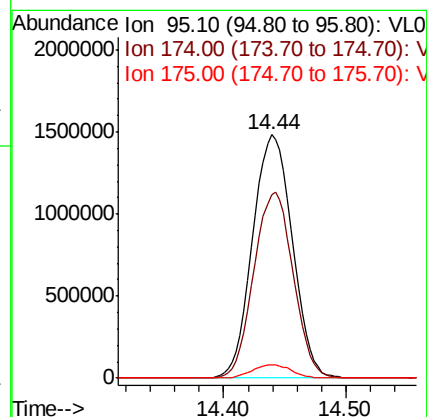
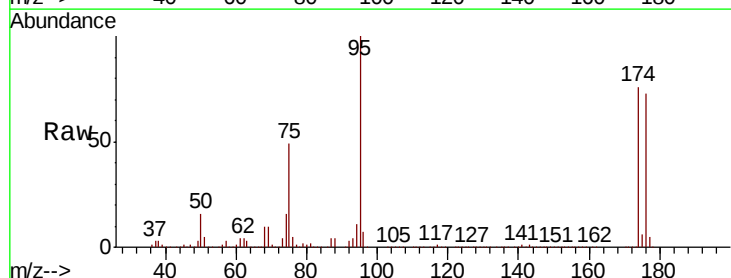
Tgt Ion: 95 Resp: 3344987

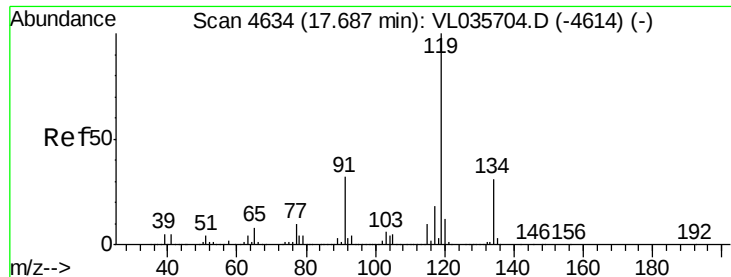
Ion Ratio Lower Upper

95 100

174 76.1 59.6 89.4

175 5.5 4.2 6.4





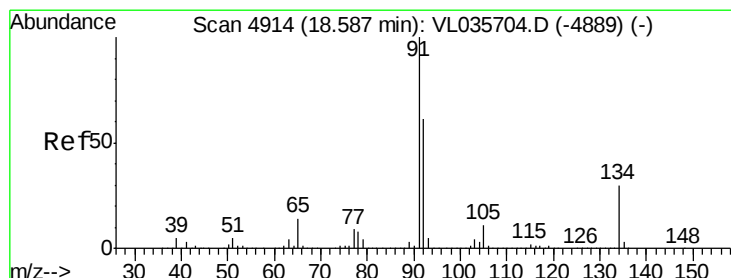
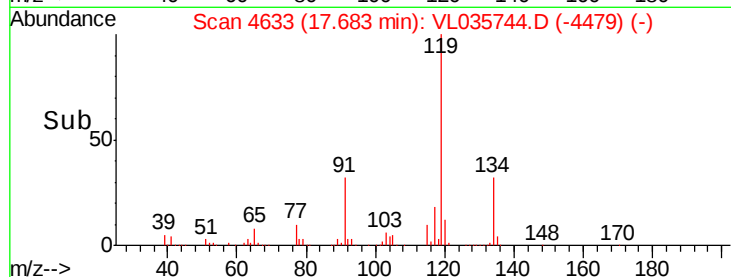
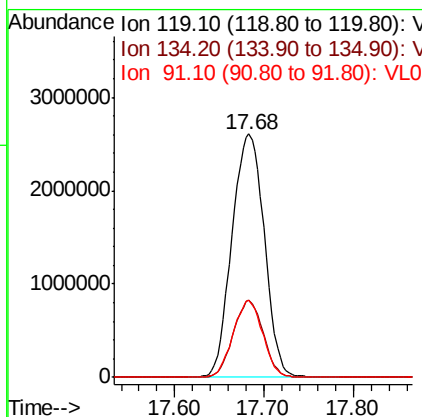
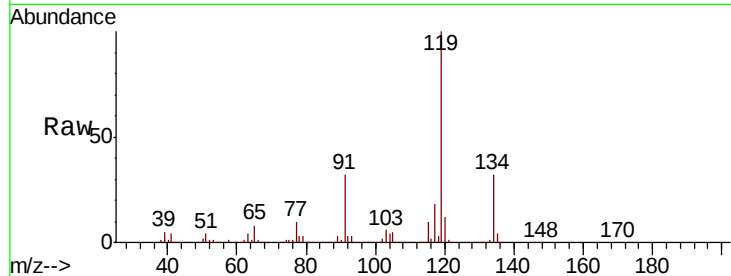
#69
 p-Isopropyltoluene
 Concen: 10.185 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tot Ion: 119 Resp: 6561975
 Ion Ratio Lower Upper
 119 100
 134 29.4 23.9 35.9
 91 29.1 23.8 35.6

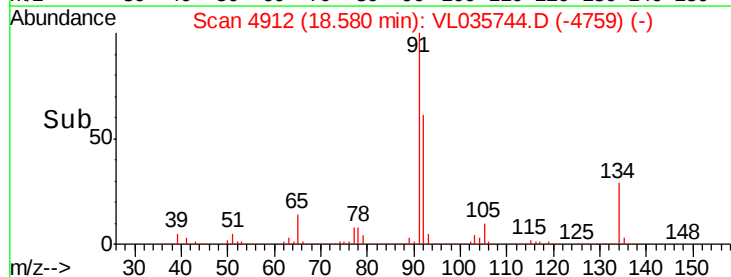
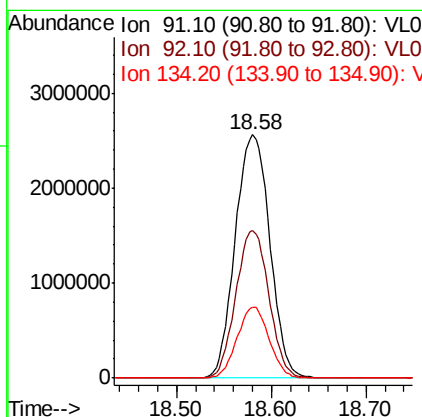
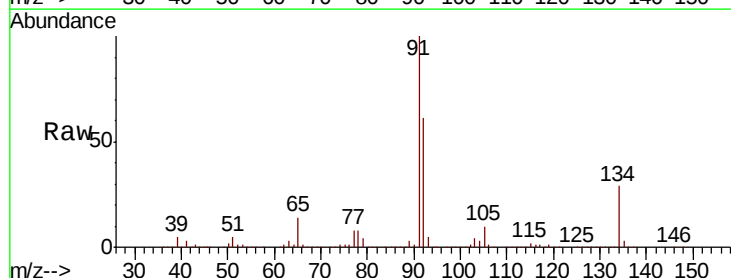
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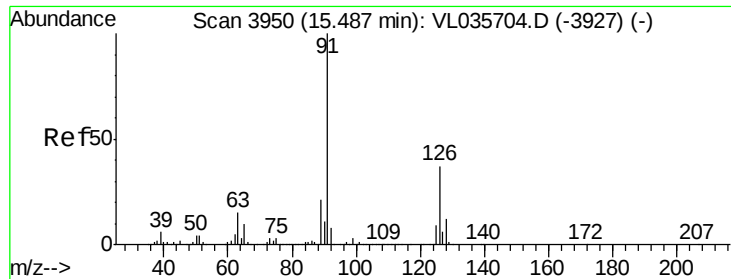
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#70
 n-Butylbenzene
 Concen: 9.820 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion: 91 Resp: 6514867
 Ion Ratio Lower Upper
 91 100
 92 58.1 47.0 70.4
 134 27.1 21.9 32.9





#71

2-Chlorotoluene

Concen: 10.541 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion: 91 Resp: 4849638

Ion Ratio Lower Upper

91 100

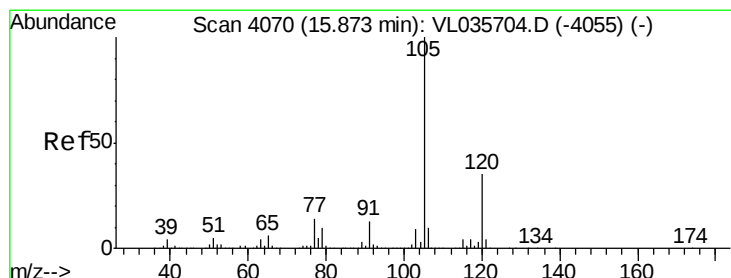
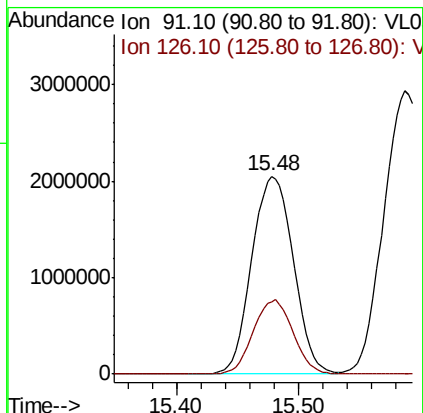
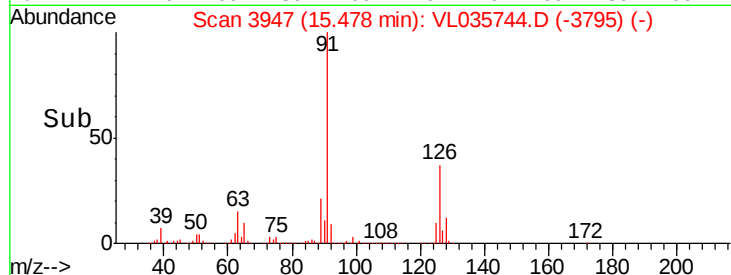
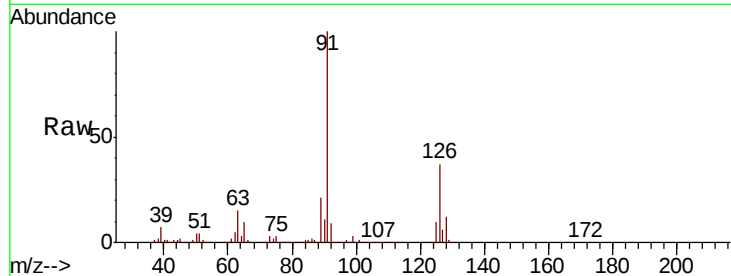
126 35.8 14.4 57.4

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#72

4-Ethyltoluene

Concen: 10.663 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Tgt Ion:105 Resp: 5136594

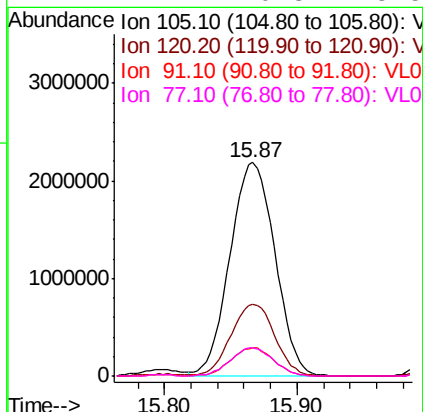
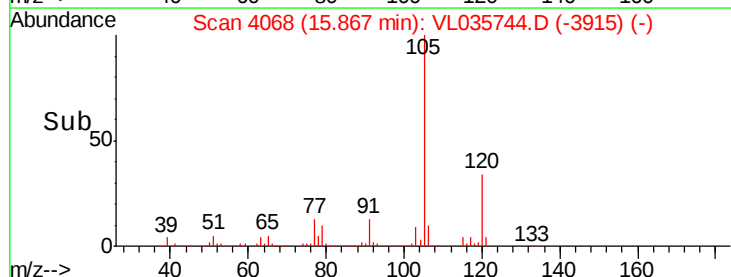
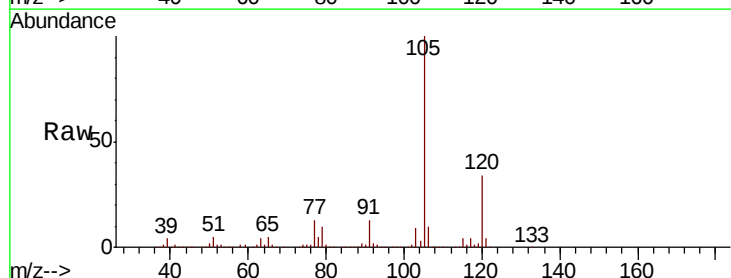
Ion Ratio Lower Upper

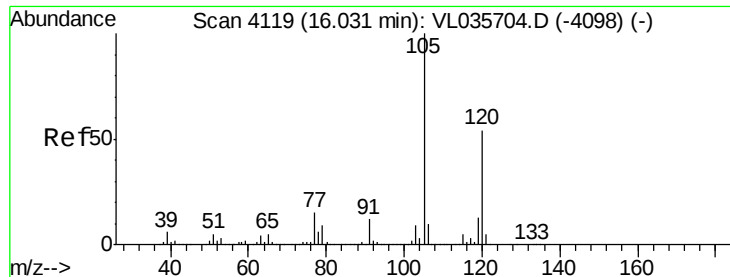
105 100

120 33.1 26.5 39.7

91 12.7 10.2 15.2

77 12.7 10.3 15.5





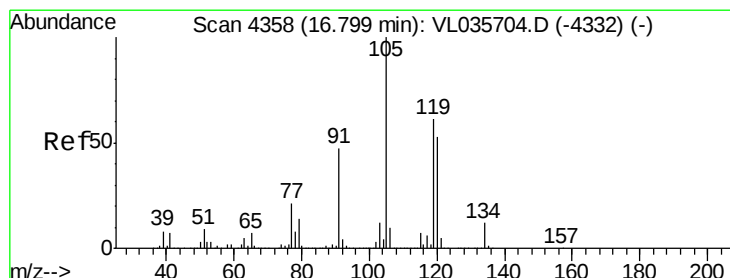
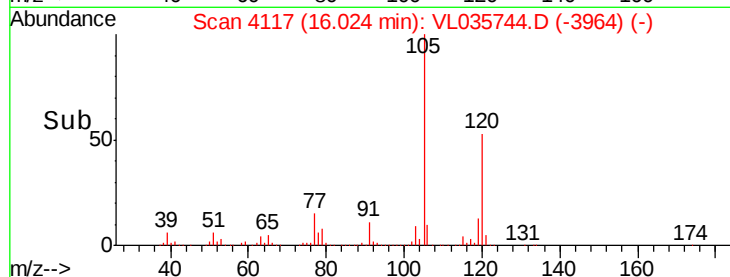
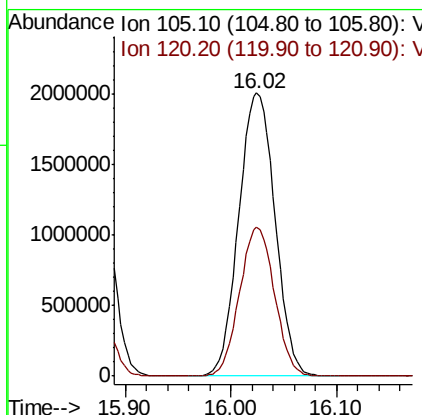
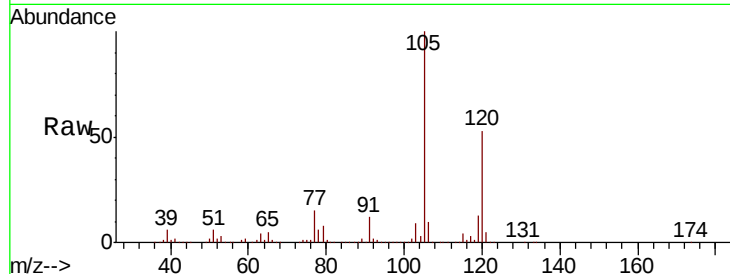
#73
 1,3,5-Trimethylbenzene
 Concen: 10.533 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tot Ion:105 Resp: 4794724
 Ion Ratio Lower Upper
 105 100
 120 52.6 43.0 64.4

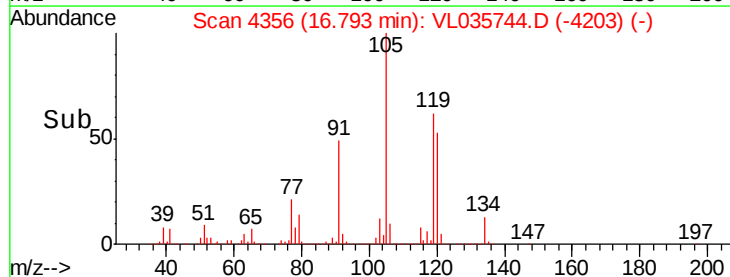
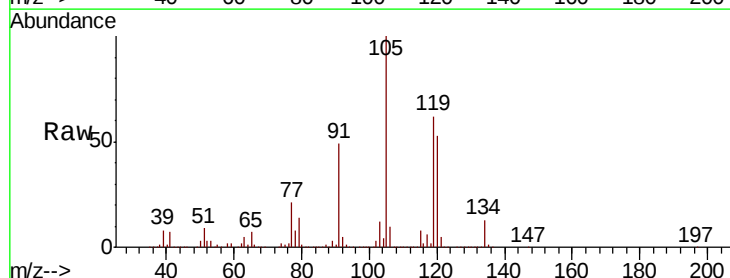
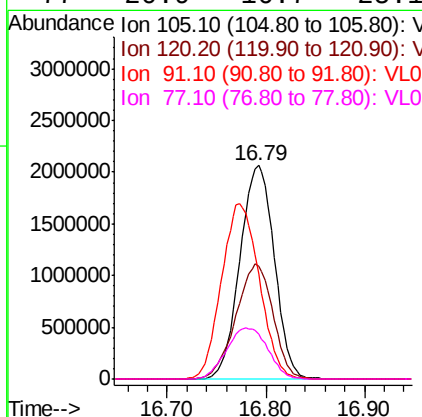
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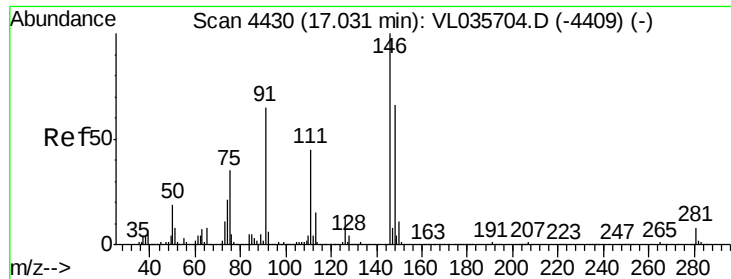
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.706 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion:105 Resp: 4980625
 Ion Ratio Lower Upper
 105 100
 120 52.5 42.5 63.7
 91 48.9 37.7 56.5
 77 20.9 16.7 25.1





#75

1,3-Dichlorobenzene

Concen: 9.354 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion:146 Resp: 3277223

Ion Ratio Lower Upper

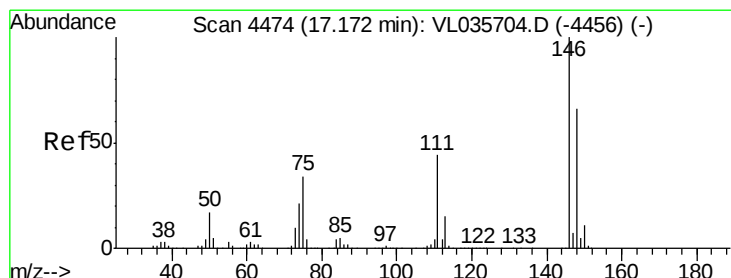
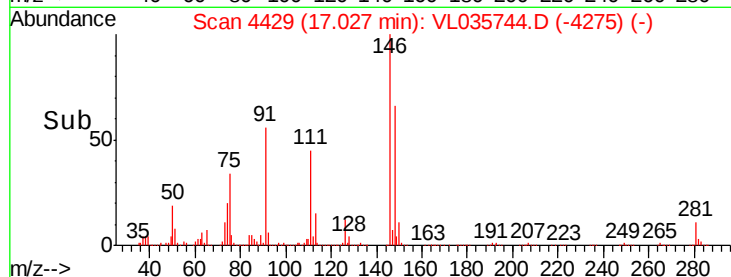
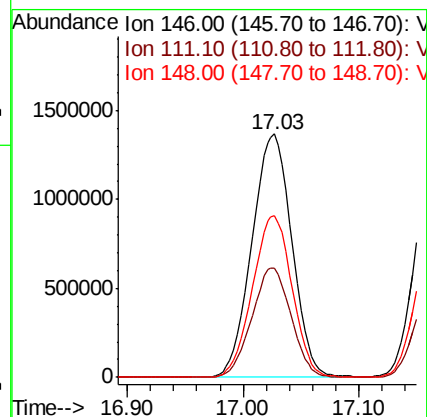
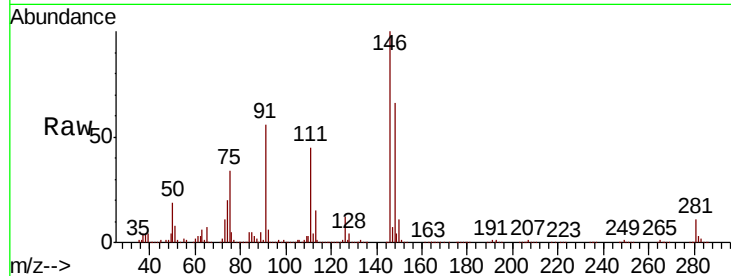
146 100

111 44.2 22.4 67.0

148 65.8 33.0 99.0

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#76

1,4-Dichlorobenzene

Concen: 9.829 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

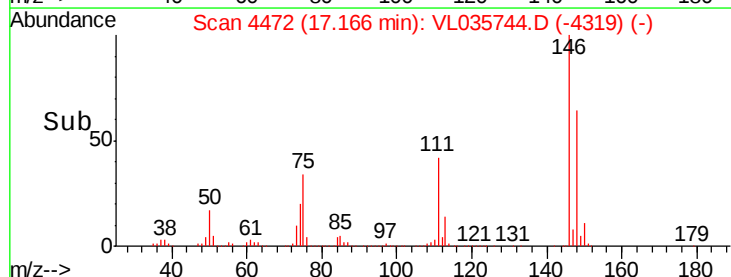
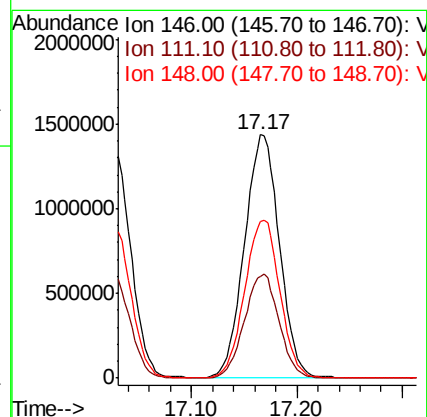
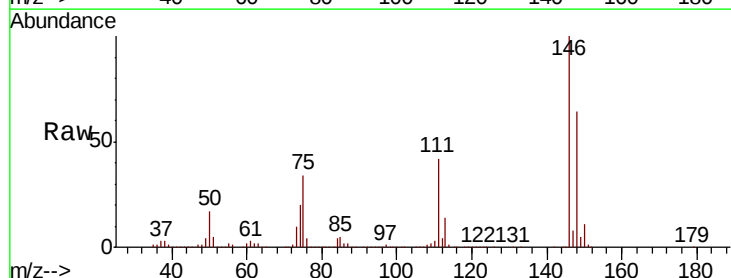
Tgt Ion:146 Resp: 3291690

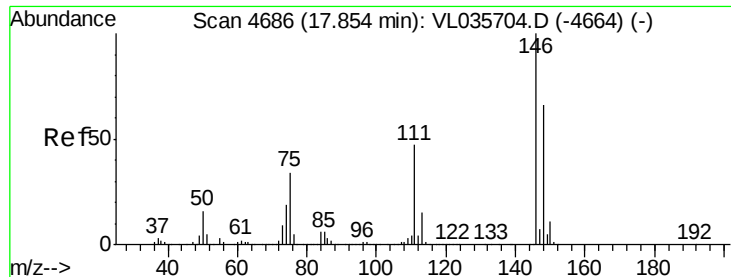
Ion Ratio Lower Upper

146 100

111 42.6 21.4 64.3

148 65.9 32.6 98.0





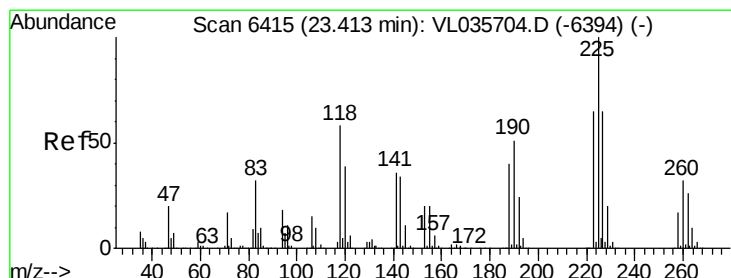
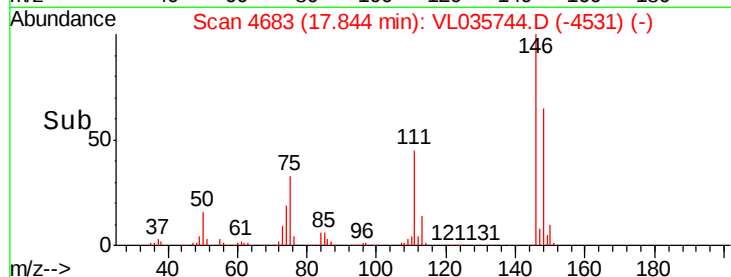
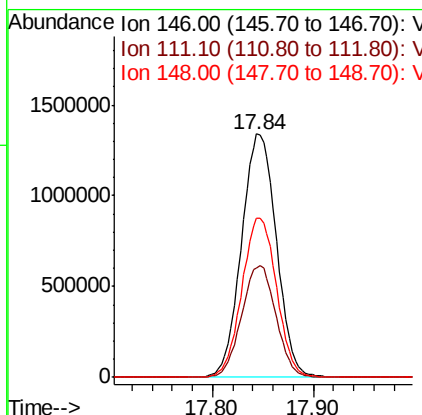
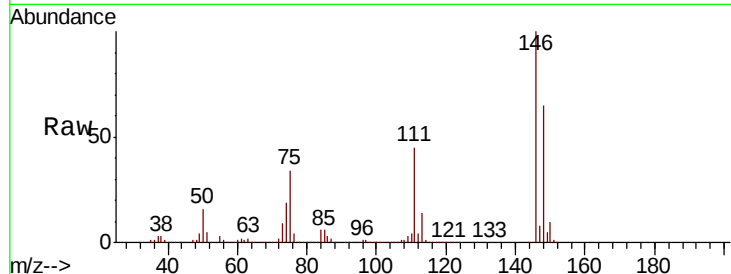
#77
 1,2-Dichlorobenzene
 Concen: 9.705 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. -0.01 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tot Ion:146 Resp: 3211189
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.9 68.5
 148 65.2 32.6 98.0

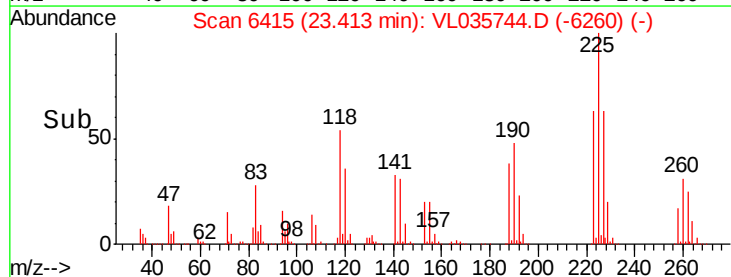
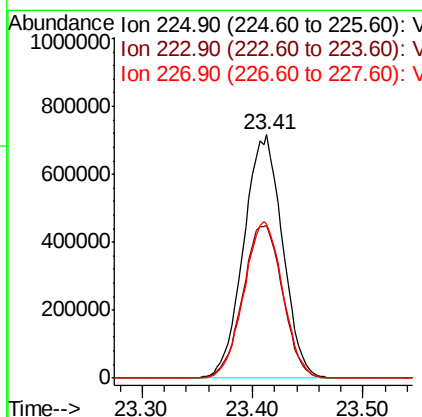
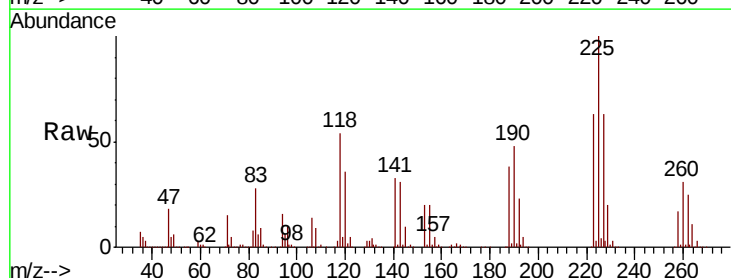
Manual Integrations
 APPROVED

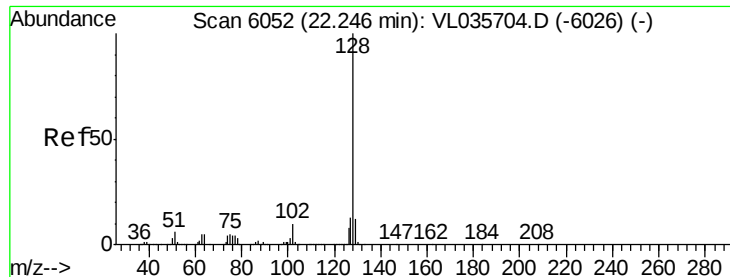
apatel
 10/12/2020 10:15:17 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.578 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. -0.00 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Tgt Ion:225 Resp: 1748632
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.3 76.9
 227 64.5 51.6 77.4





#79

Naphthalene

Concen: 9.781 ppbv

RT: 22.24 min Scan# 6049

Delta R.T. -0.01 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tot Ion:128 Resp: 4787235

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

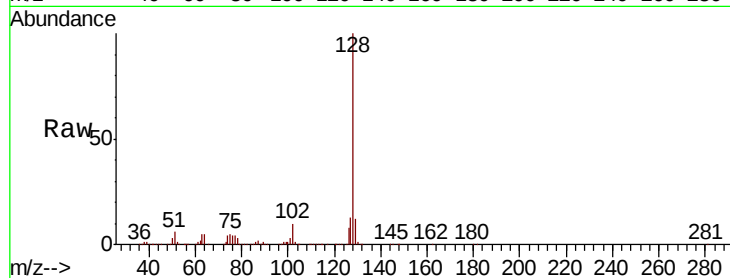
129 12.3 9.4 14.0

Manual Integrations

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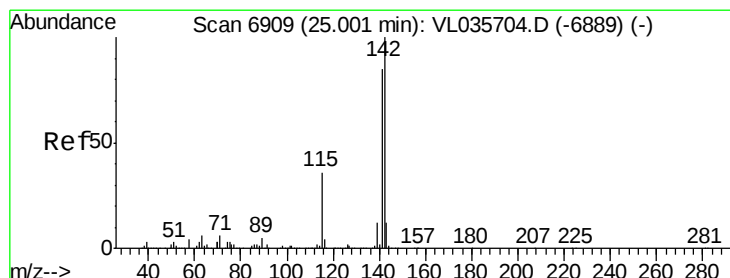
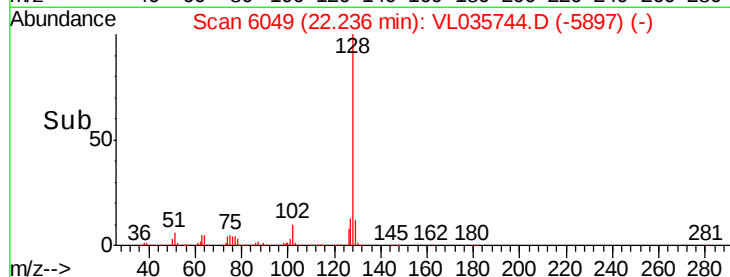
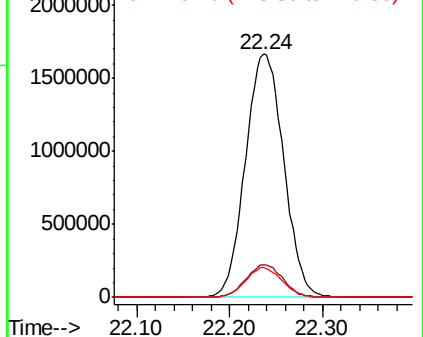
10/12/2020 10:15:17 AM



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: 10.622 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. -0.00 min

Lab File: VL035744.D

Acq: 8 Oct 2020 13:37

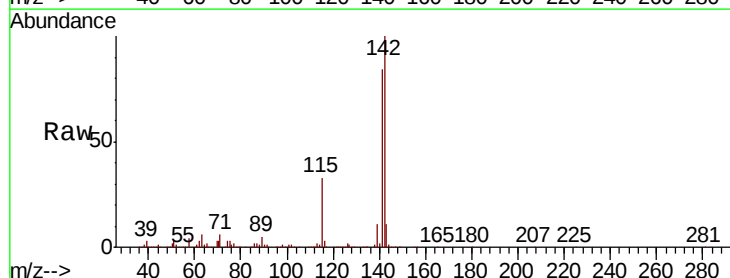
Tgt Ion:142 Resp: 1226249

Ion Ratio Lower Upper

142 100

141 84.6 68.2 102.4

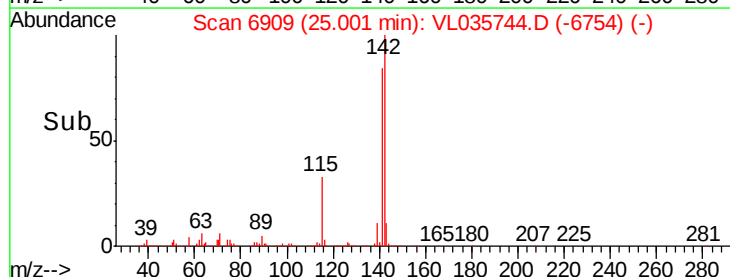
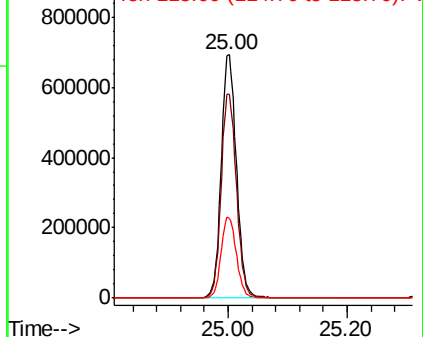
115 33.8 27.8 41.6



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: 9.873 ppbv
 RT: 21.97 min Scan# 5966
 Delta R.T. -0.00 min
 Lab File: VL035744.D
 Acq: 8 Oct 2020 13:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
184	30.8	24.6	37.0

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:15:17 AM

