

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
 Data File : VL035784.D
 Acq On : 16 Oct 2020 13:17
 Operator : SY/AP
 Sample : VL1016ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:09:51 AM

Quant Time: Oct 17 03:31:48 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	5.66	49	1092080	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4182380	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	4449448	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3121004	9.36	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1371767	7.655	ppbv 99
3) Chlorodifluoromethane	2.98	51	1183156	10.070	ppbv 99
4) Chloromethane	3.13	50	639048	10.125	ppbv 97
5) Vinyl Chloride	3.25	62	747093	10.008	ppbv 99
6) Bromomethane	3.46	94	621918	9.855	ppbv 99
7) Chloroethane	3.55	64	277177	10.124	ppbv 100
8) Dichlorotetrafluoroethane	3.18	85	2050956	9.436	ppbv 99
9) Propene	3.00	41	460612	10.798	ppbv 99
10) Heptane	8.12	43	1334881	11.225	ppbv 100
11) Trichlorofluoromethane	3.94	101	2499610	9.777	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1856944	9.743	ppbv 100
13) Ethanol	3.60	45	103097	9.800	ppbv 99
14) Bromoethene	3.73	108	828740	10.323	ppbv 100
15) Acetone	3.84	43	1043016	8.876	ppbv 99
16) 1,3-Butadiene	3.32	39	478973	11.141	ppbv 98
17) tert-Butyl alcohol	4.29	59	1428357	11.159	ppbv 100
18) 1,1-Dichloroethene	4.28	96	864352	10.358	ppbv 99
19) Isopropyl Alcohol	3.96	45	708000	11.076	ppbv 99
20) Methylene Chloride	4.34	84	713270	8.263	ppbv 98
21) Allyl Chloride	4.40	41	628331	11.031	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	896378	10.167	ppbv 98
23) Vinyl Acetate	5.07	43	1640147	11.395	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1590504	10.145	ppbv 99
25) Ethyl Acetate	5.67	43	2184567	10.331	ppbv 100
26) Hexane	5.68	57	1196129	10.323	ppbv 98
27) Carbon Disulfide	4.54	76	1929757	11.174	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	2116786	11.525	ppbv 100
29) Chloroform	5.75	83	2373856	10.088	ppbv 99
30) Cyclohexane	7.13	84	1298879	11.362	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1270166	11.356	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	2313846	11.155	ppbv 100
34) 2-Butanone	5.24	43	1496664	10.819	ppbv 100
35) Carbon Tetrachloride	7.02	117	2372298	10.879	ppbv 99
36) Benzene	6.89	78	2990759	10.974	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1484827	10.454	ppbv 100
38) Trichloroethene	7.84	130	1472682	10.833	ppbv 99
39) 1,2-Dichloropropane	7.62	63	1043367	10.563	ppbv 99
40) 1,4-Dioxane	7.83	88	519074	11.491	ppbv 94
41) Tetrahydrofuran	6.05	42	848209	12.171	ppbv 98
42) Bromodichloromethane	7.79	83	2493009	10.896	ppbv 99
43) Methyl Methacrylate	8.01	69	1267790	11.697	ppbv 99

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 Misc : 400ml/MSVOA L
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Instrument :
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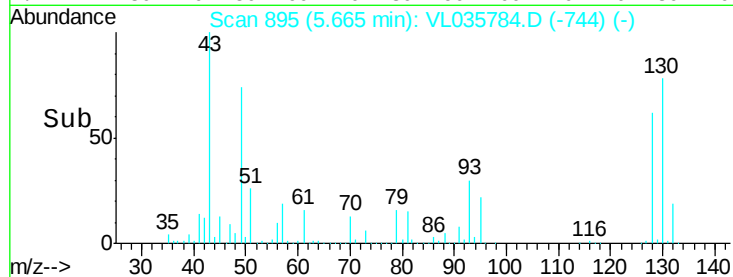
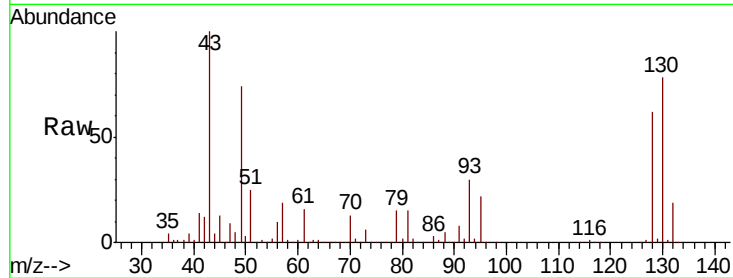
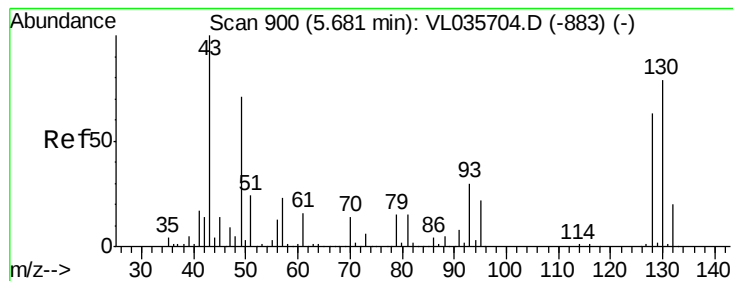
Manual Integrations
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MMDadoda
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Quant Time: Oct 17 03:31:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4087801	10.453	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1431045	13.077	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1695694	12.571	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1438308	10.166	ppbv	99
48) Dibromochloromethane	10.31	129	2441232	11.337	ppbv	100
49) Bromoform	13.05	173	2163398	11.841	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2224251	11.008	ppbv	99
51) 2-Hexanone	10.14	43	1862925	11.444	ppbv #	99
52) Tetrachloroethene	11.23	164	1395190	10.646	ppbv	99
53) Toluene	9.81	91	3736460	11.627	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2253478	10.637	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1876573	10.058	ppbv	97
57) Chlorobenzene	12.16	112	3125873	9.301	ppbv	99
58) Ethyl Benzene	12.72	91	4864909	10.894	ppbv	99
59) m/p-Xylene	13.01	91	8334859m	21.371	ppbv	
60) o-Xylene	13.70	91	4058016	10.286	ppbv	100
61) Styrene	13.54	104	3165615	11.605	ppbv	100
62) Isopropylbenzene	14.68	105	6107850	9.981	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2953159	9.129	ppbv	99
64) n-propylbenzene	15.58	120	1858044	10.375	ppbv	97
65) tert-Butylbenzene	16.76	119	5619846	10.101	ppbv	99
66) Benzyl Chloride	17.00	91	2075893	12.315	ppbv	98
67) sec-Butylbenzene	17.31	105	7554901	9.833	ppbv	99
69) p-Isopropyltoluene	17.67	119	6324737	10.119	ppbv	99
70) n-Butylbenzene	18.57	91	6286760	9.767	ppbv	99
71) 2-Chlorotoluene	15.47	91	4674049	10.472	ppbv	99
72) 4-Ethyltoluene	15.85	105	4953152	10.598	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4593154	10.400	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	4780154	9.602	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	3135428	9.225	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3154424	9.709	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3072462	9.570	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1659151	9.367	ppbv	99
79) Naphthalene	22.22	128	4602790	9.693	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	1168476	10.433	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2398755	9.748	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tot Ion: 49 Resp: 1092080

Ion Ratio Lower Upper

49 100

128 82.9 43.1 129.4

130 107.0 54.9 164.7

Instrument :

MSVOA_L

ClientSampleId :

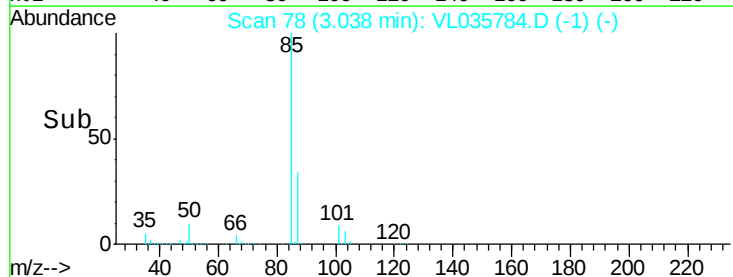
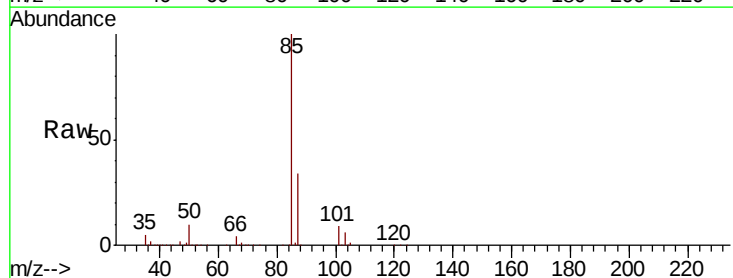
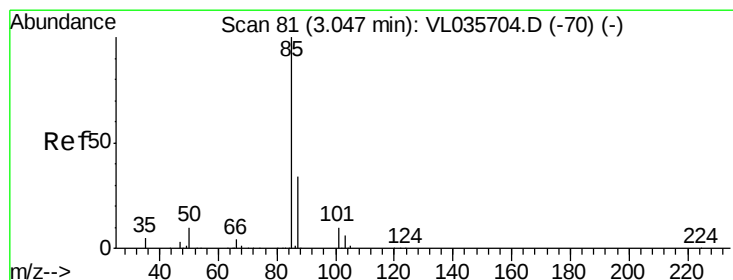
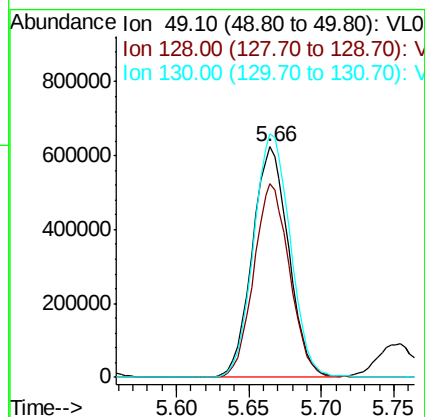
VL1016ABS01

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#2

Dichlorodifluoromethane

Concen: 7.655 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL035784.D

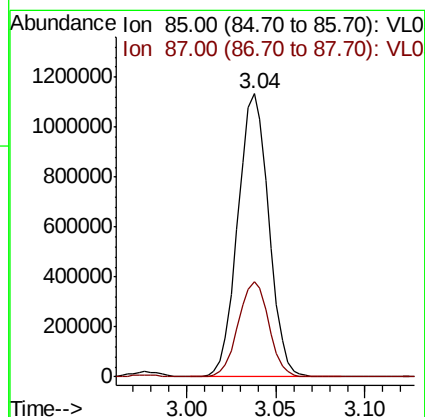
Acq: 16 Oct 2020 13:17

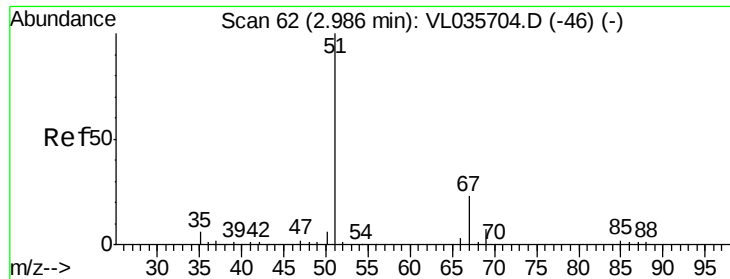
Tgt Ion: 85 Resp: 1371767

Ion Ratio Lower Upper

85 100

87 33.7 27.3 40.9





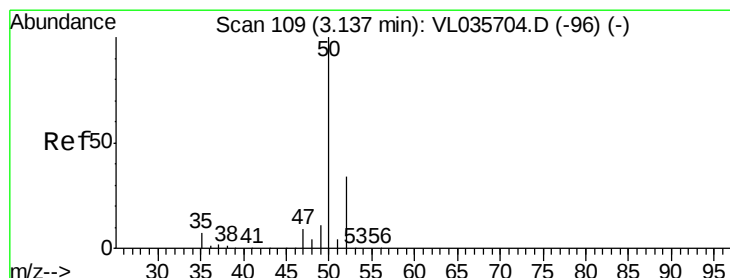
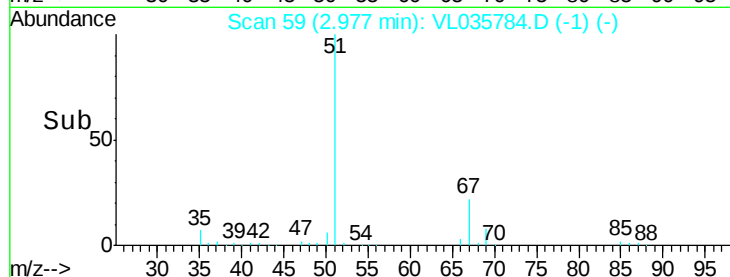
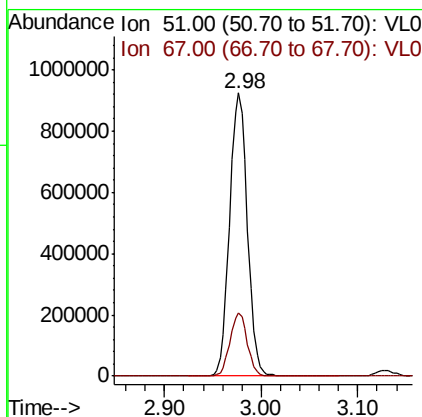
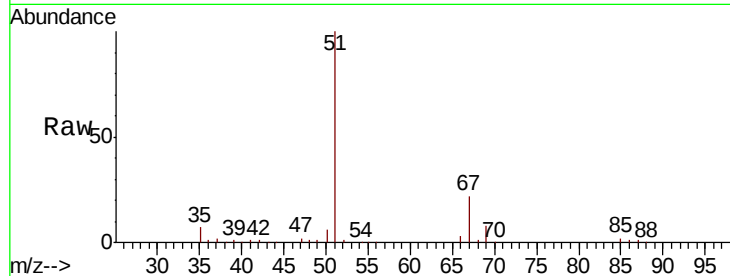
#3
Chlorodifluoromethane
Concen: 10.070 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion: 51 Resp: 1183156
Ion Ratio Lower Upper
51 100
67 21.9 17.8 26.8

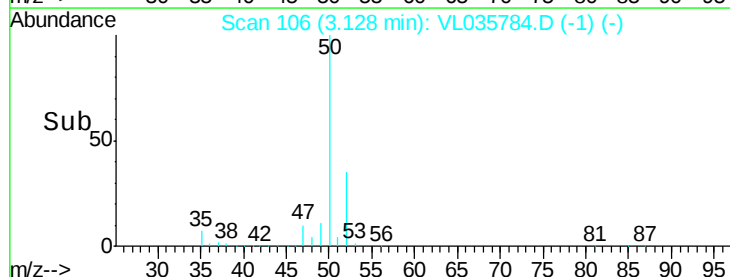
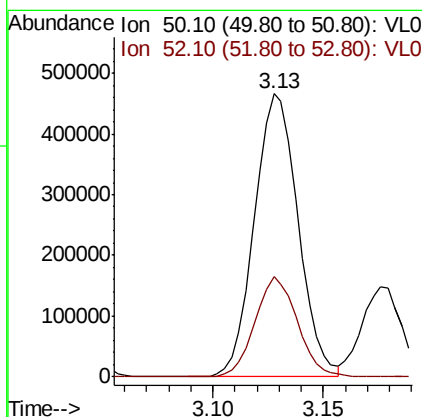
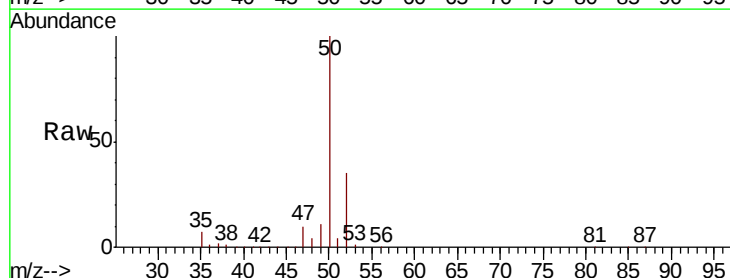
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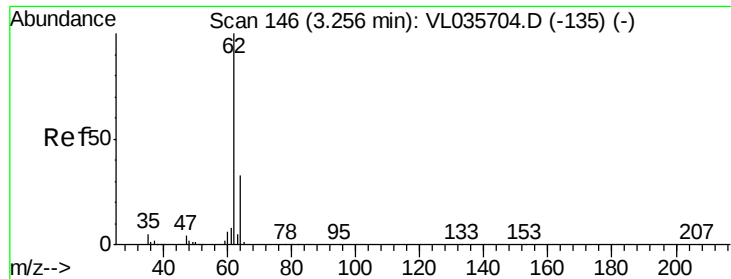
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#4
Chloromethane
Concen: 10.125 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 50 Resp: 639048
Ion Ratio Lower Upper
50 100
52 35.4 26.8 40.2





#5

Vinyl Chloride

Concen: 10.008 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 62 Resp: 747093

Ion Ratio Lower Upper

62 100

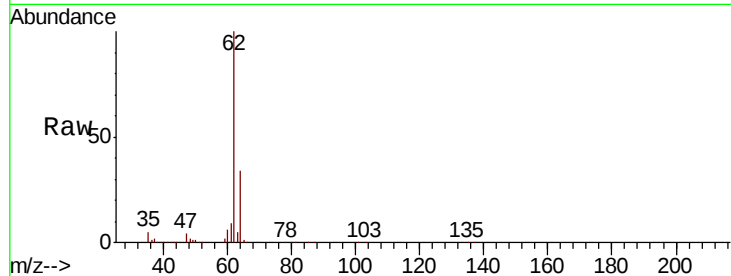
64 33.9 26.8 40.2

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

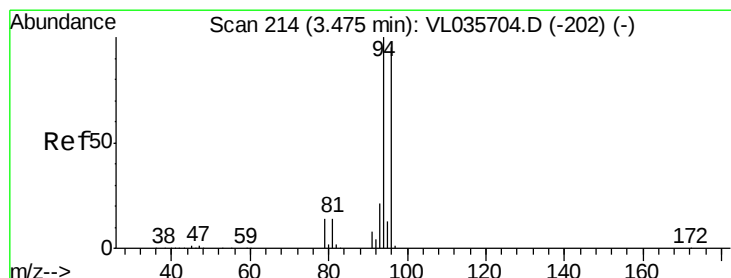
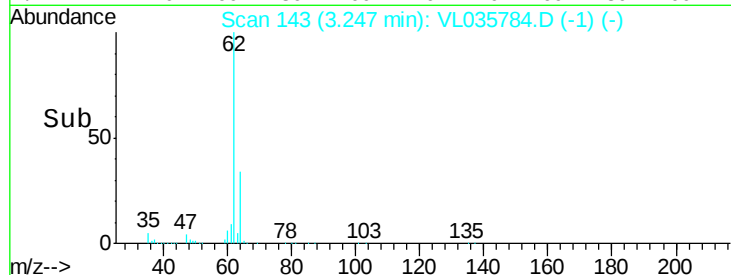
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.855 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL035784.D

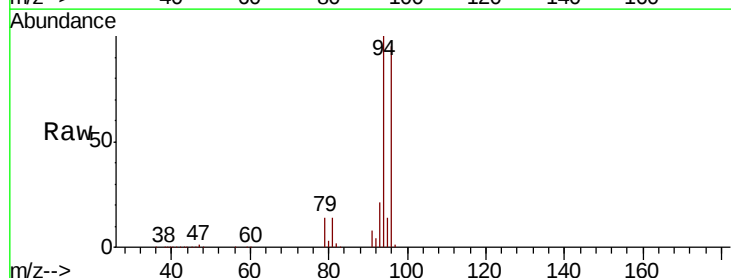
Acq: 16 Oct 2020 13:17

Tgt Ion: 94 Resp: 621918

Ion Ratio Lower Upper

94 100

96 94.7 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

500000

400000

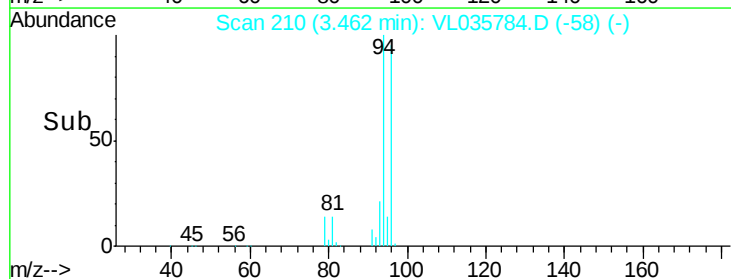
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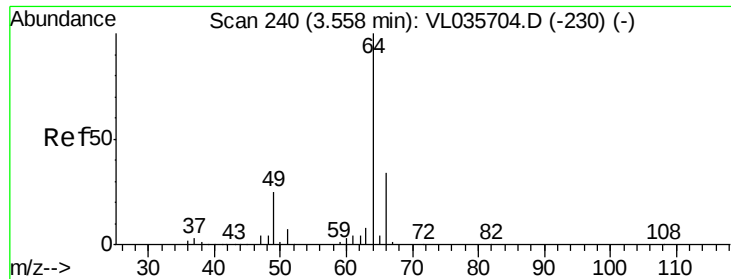
200000

100000

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Time-->





#7

Chloroethane

Concen: 10.124 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 64 Resp: 277177

Ion Ratio Lower Upper

64 100

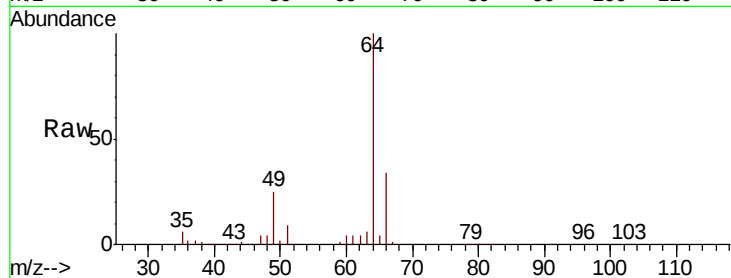
66 33.6 26.9 40.3

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

250000

200000

150000

100000

50000

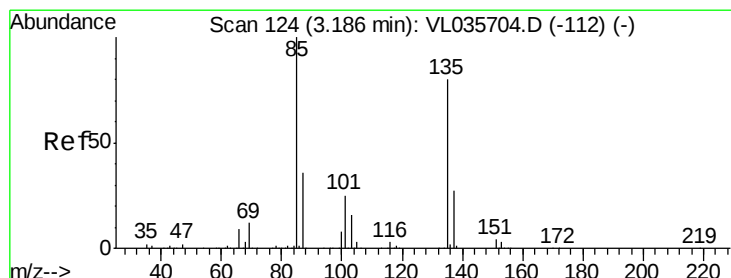
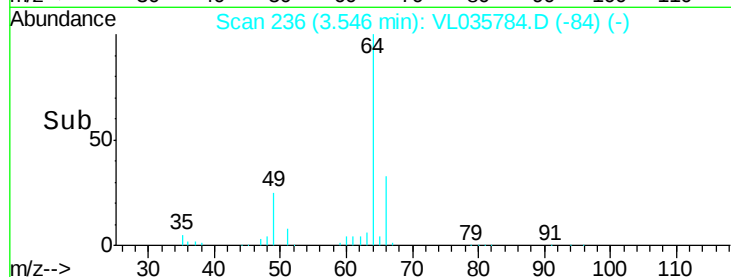
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3.55

3.50

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.436 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035784.D

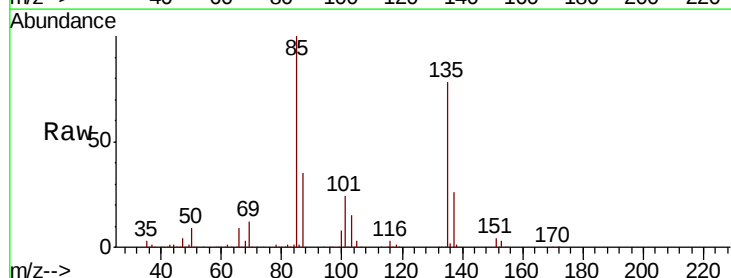
Acq: 16 Oct 2020 13:17

Tgt Ion: 85 Resp: 2050956

Ion Ratio Lower Upper

85 100

135 79.5 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

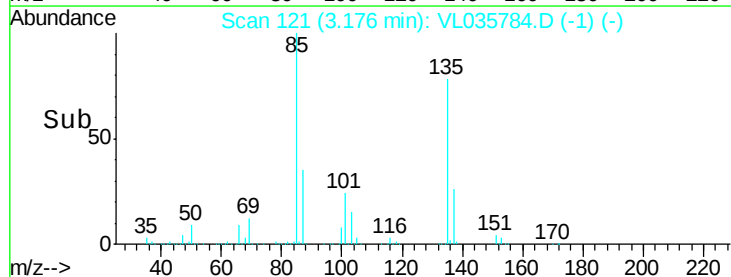
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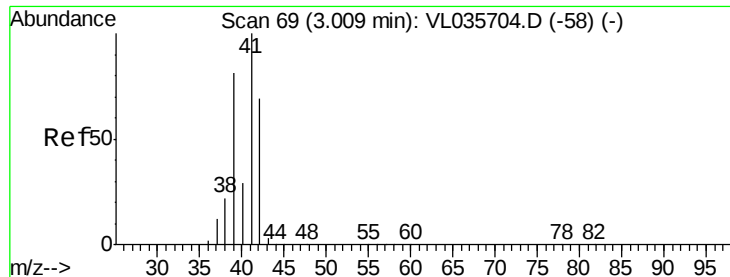
3.18

3.10

3.25

Time-->





#9

Propene

Concen: 10.798 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 41 Resp: 460612

Ion Ratio Lower Upper

41 100

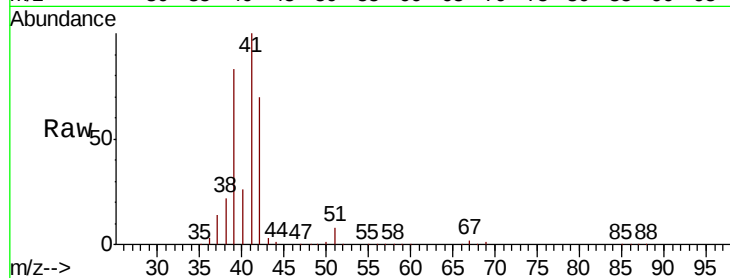
42 69.5 56.2 84.4

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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

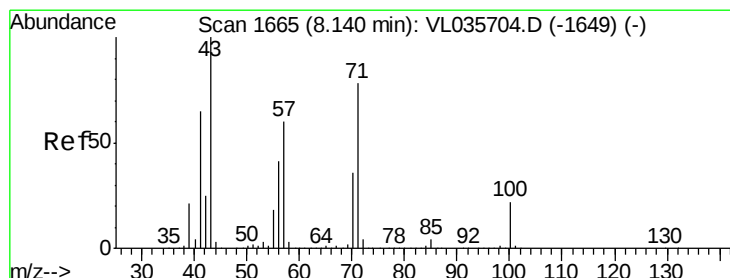
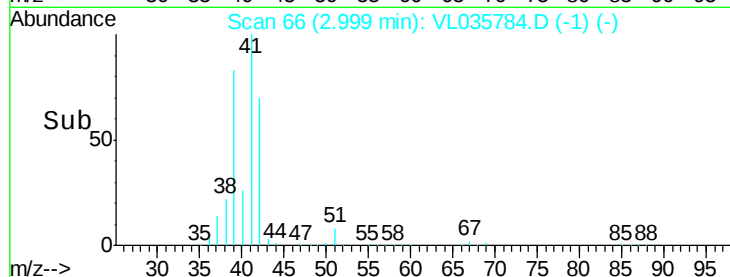
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200000

100000

0

Time-->



#10

Heptane

Concen: 11.225 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL035784.D

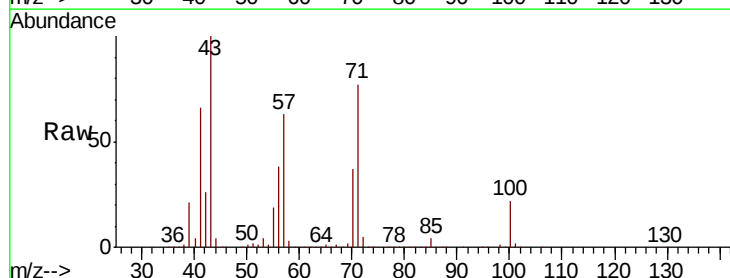
Acq: 16 Oct 2020 13:17

Tgt Ion: 43 Resp: 1334881

Ion Ratio Lower Upper

43 100

57 62.7 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

800000

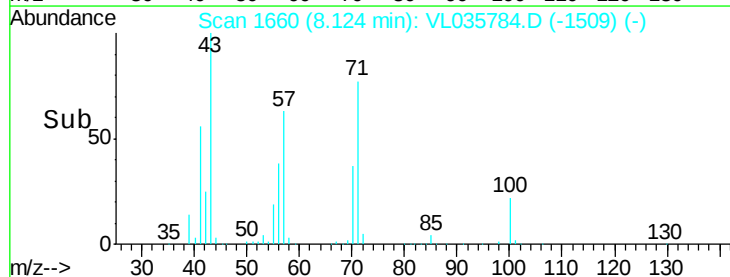
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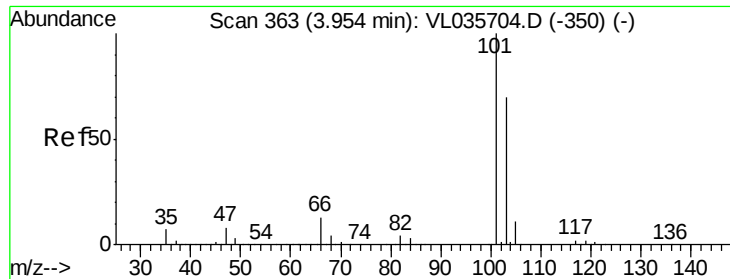
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Time-->





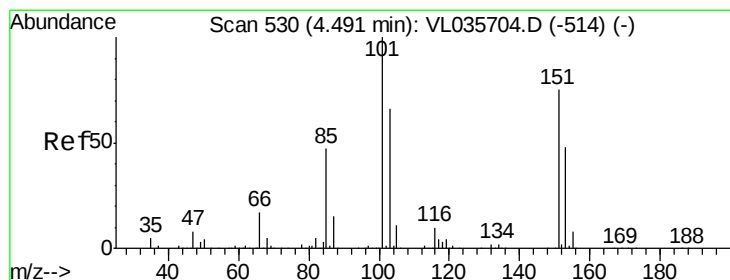
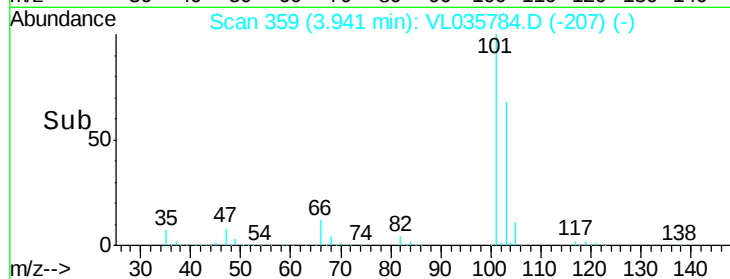
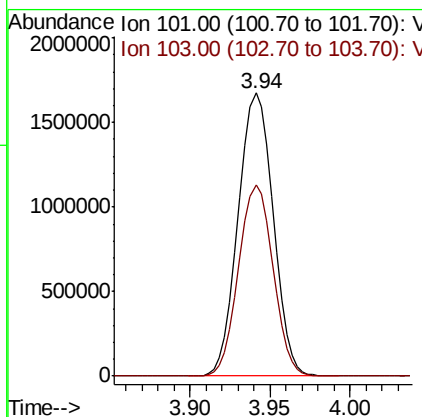
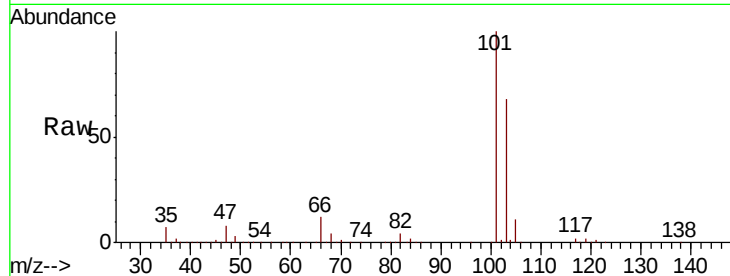
#11
 Trichlorofluoromethane
 Concen: 9.777 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tot Ion:101 Resp: 2499610
 Ion Ratio Lower Upper
 101 100
 103 67.7 55.6 83.4

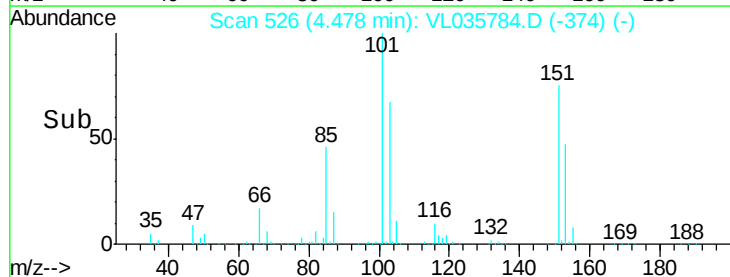
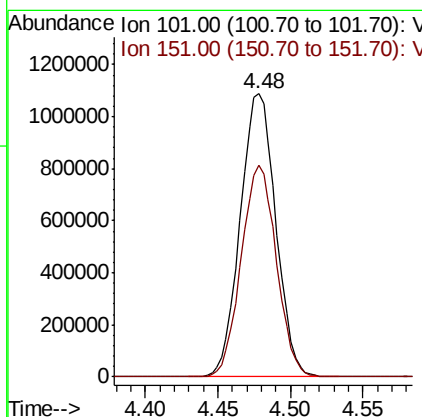
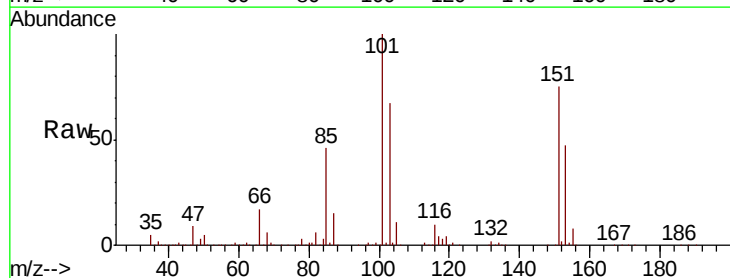
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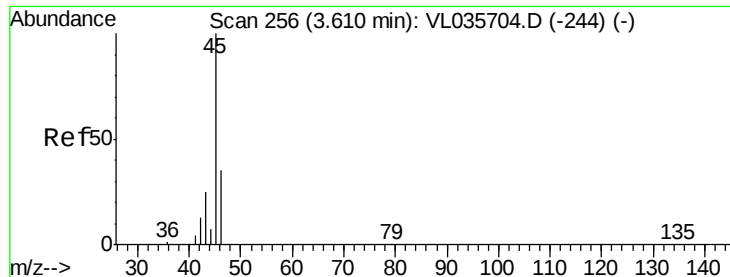
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.743 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion:101 Resp: 1856944
 Ion Ratio Lower Upper
 101 100
 151 74.0 59.1 88.7





#13

Ethanol

Concen: 9.800 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 45 Resp: 103097

Ion Ratio Lower Upper

45 100

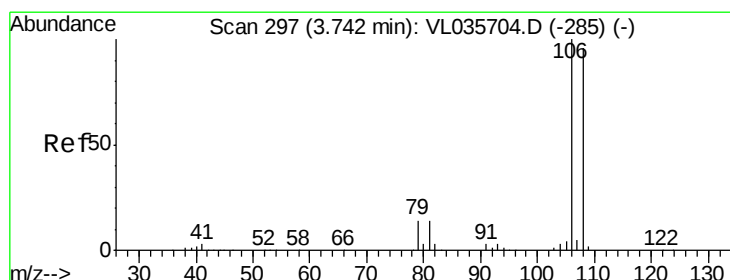
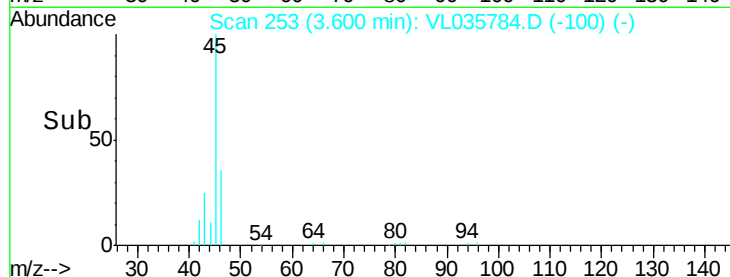
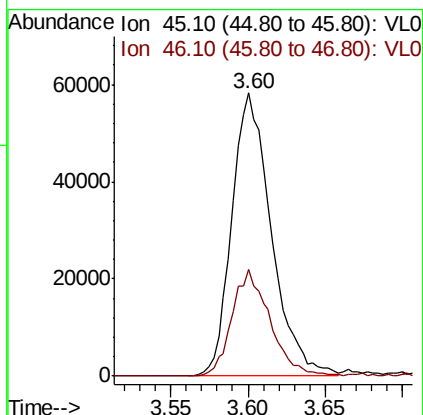
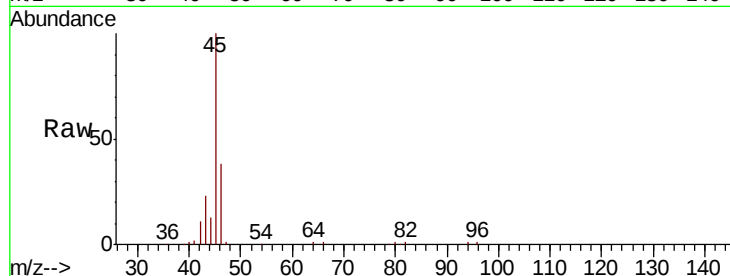
46 36.2 14.7 58.7

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#14

Bromoethene

Concen: 10.323 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

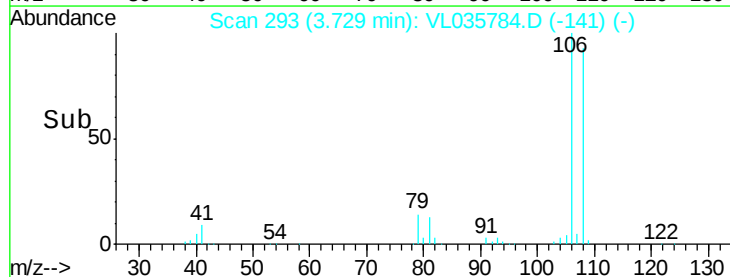
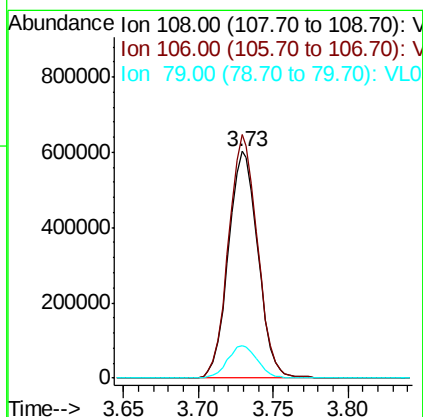
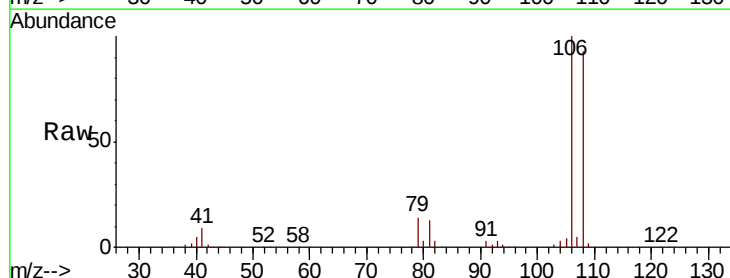
Tgt Ion: 108 Resp: 828740

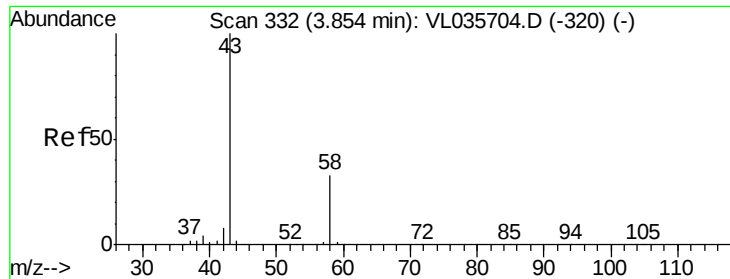
Ion Ratio Lower Upper

108 100

106 105.5 84.6 126.8

79 14.8 11.6 17.4





#15

Acetone

Concen: 8.876 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 43 Resp: 1043016

Ion Ratio Lower Upper

43 100

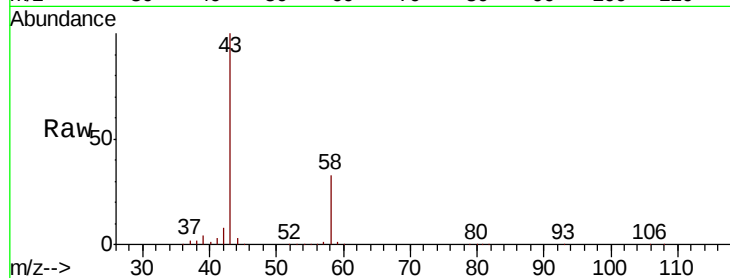
58 34.7 27.3 40.9

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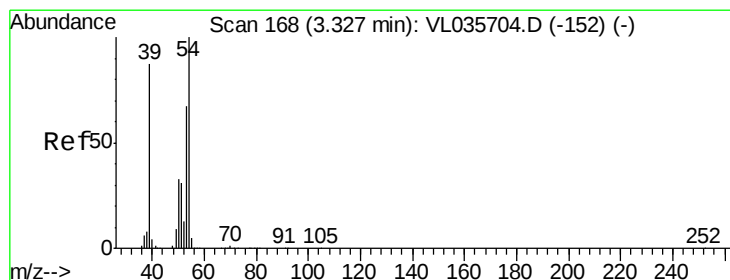
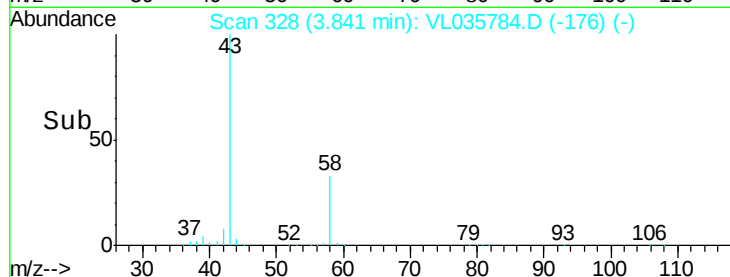
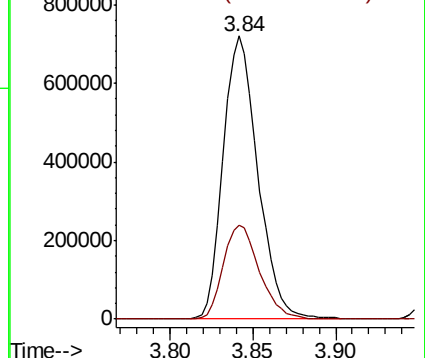
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 11.141 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL035784.D

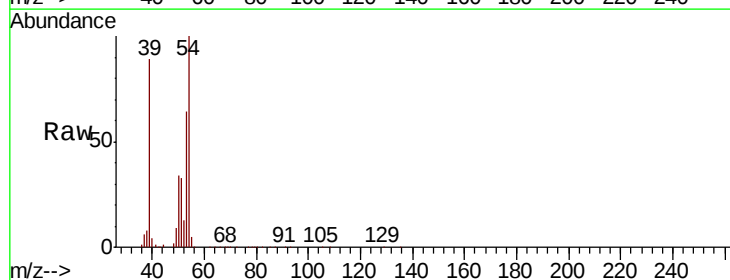
Acq: 16 Oct 2020 13:17

Tgt Ion: 39 Resp: 478973

Ion Ratio Lower Upper

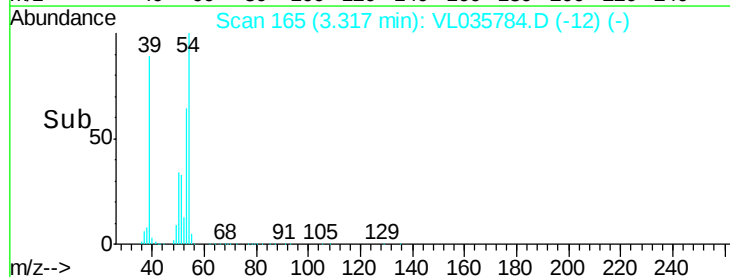
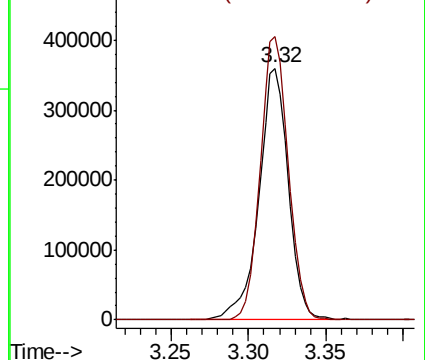
39 100

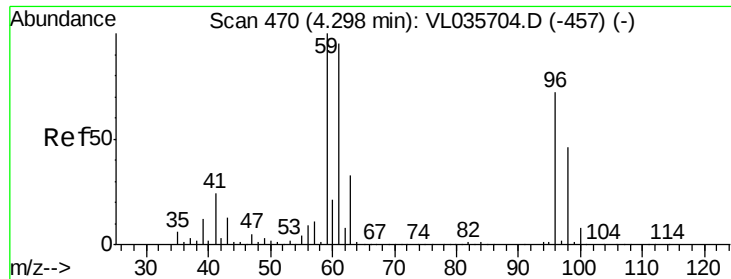
54 107.5 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.159 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 59 Resp: 1428357

Ion Ratio Lower Upper

59 100

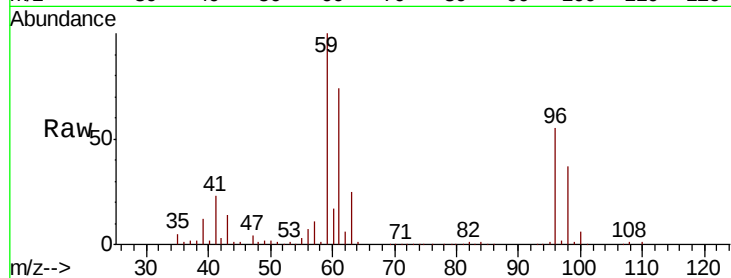
57 10.7 8.5 12.7

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

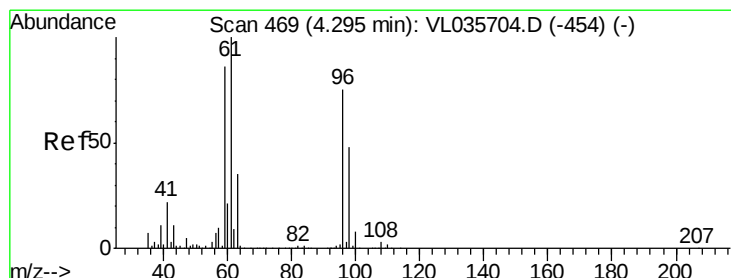
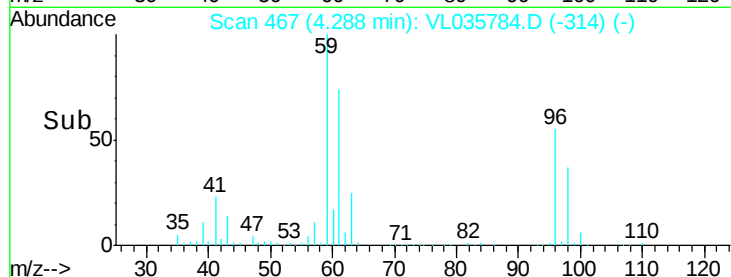
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 10.358 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

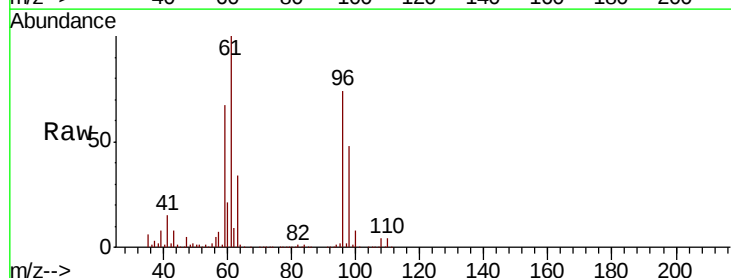
Tgt Ion: 96 Resp: 864352

Ion Ratio Lower Upper

96 100

61 135.1 106.7 160.1

98 64.4 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

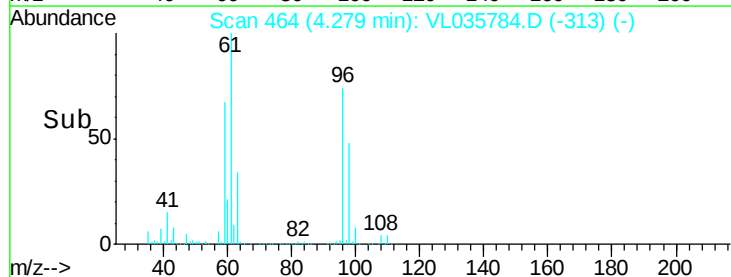
600000

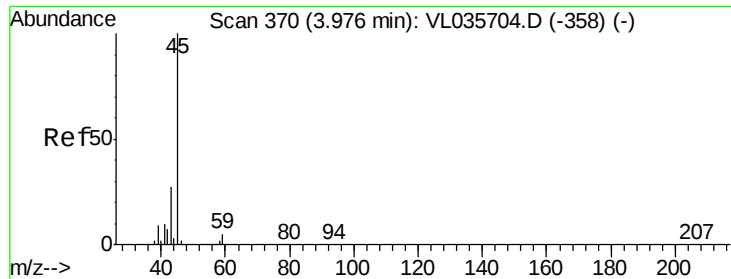
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#19

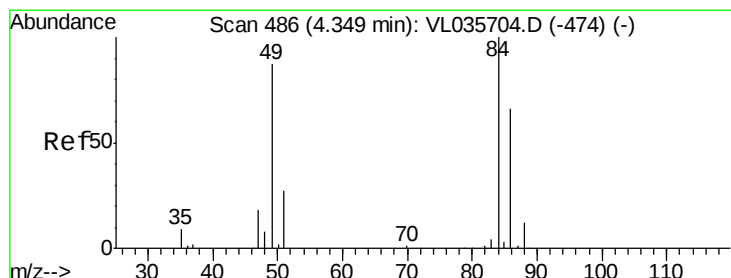
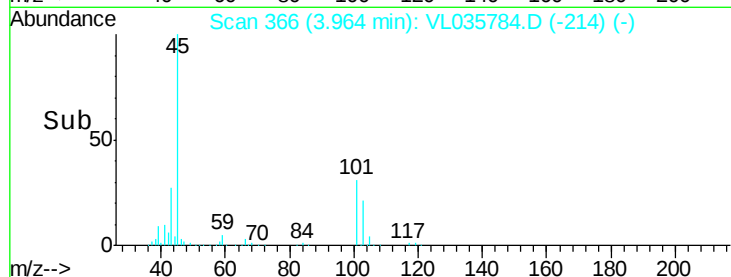
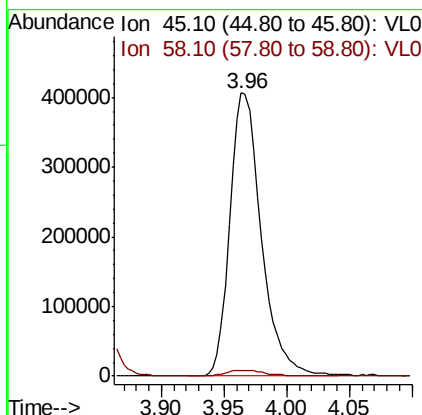
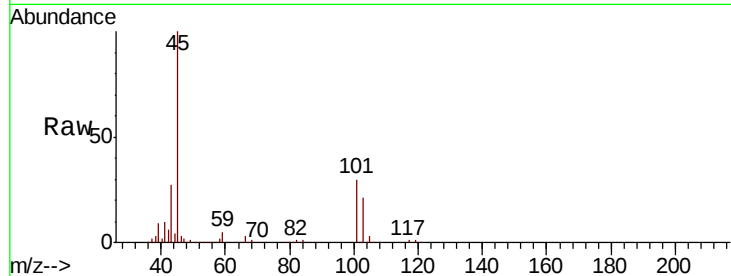
Isopropyl Alcohol
 Concen: 11.076 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.2	2.8	4.2

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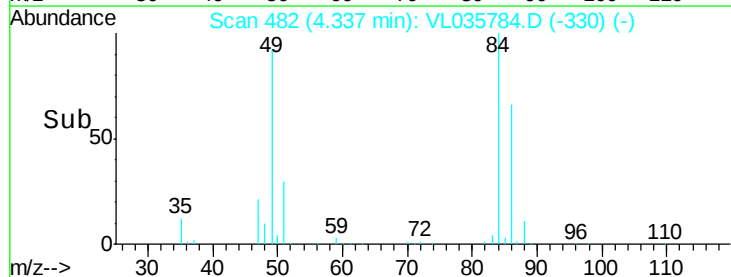
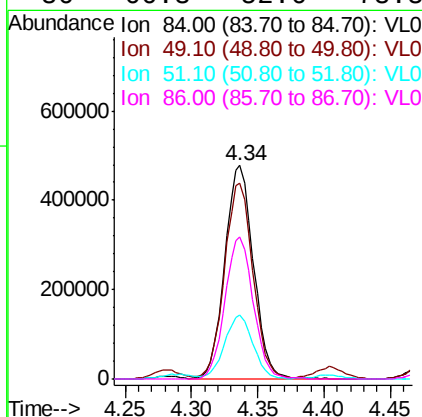
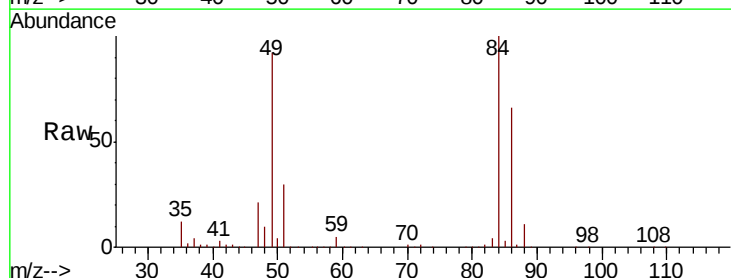
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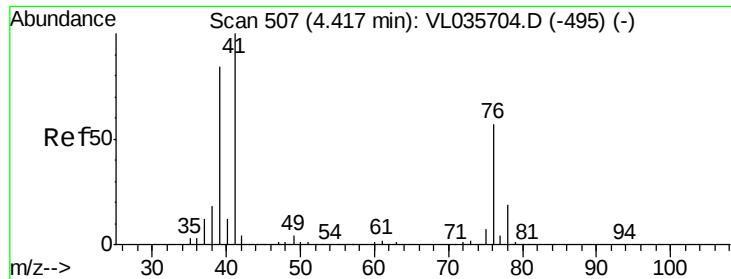


#20

Methylene Chloride
 Concen: 8.263 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	90.9	69.8	104.6
51	28.2	21.8	32.8
86	66.3	52.6	78.8





#21

Allvl Chloride

Concen: 11.031 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

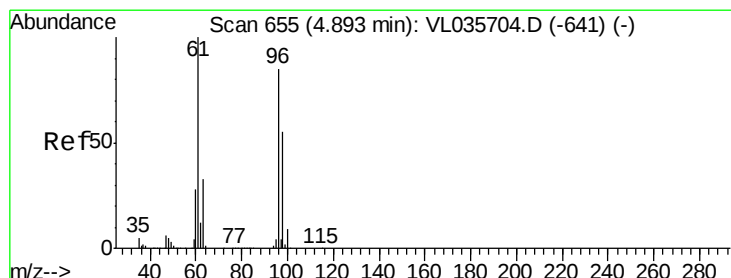
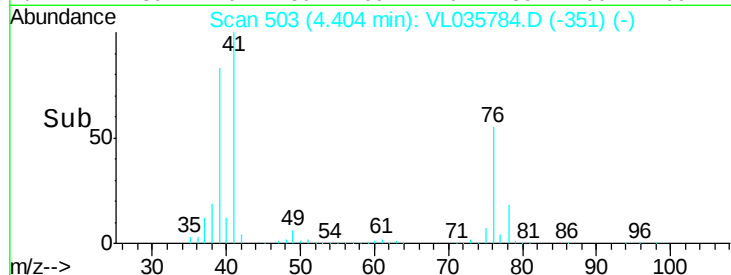
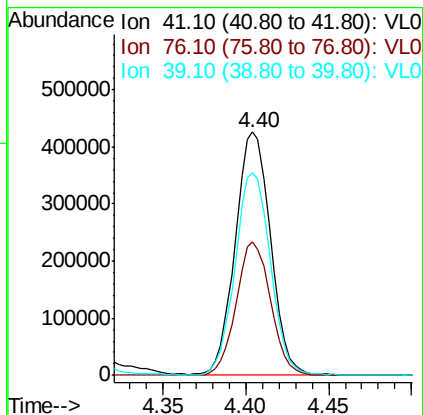
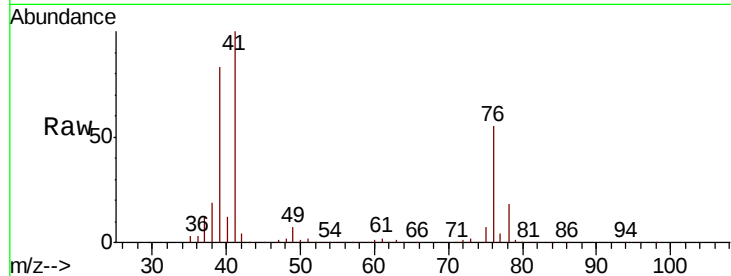
ClientSampleId :

VL1016ABS01

Tot Ion:	41	Resp:	628331
Ion Ratio	Lower	Upper	
41	100		
76	53.8	44.8	67.2
39	84.1	68.4	102.6

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#22

trans-1,2-Dichloroethene

Concen: 10.167 ppbv

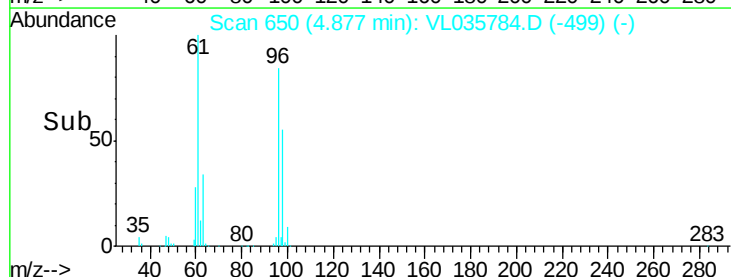
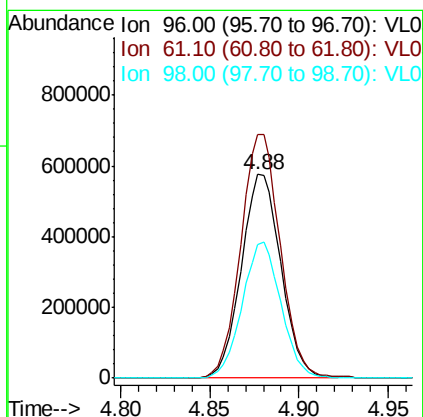
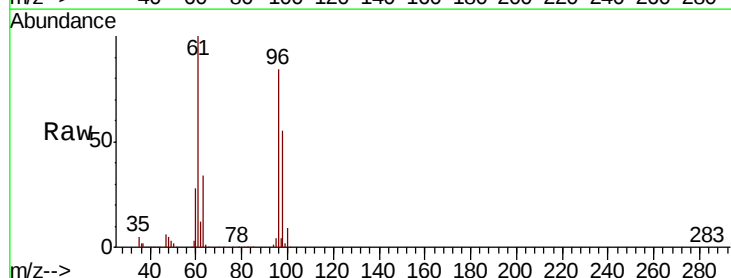
RT: 4.88 min Scan# 650

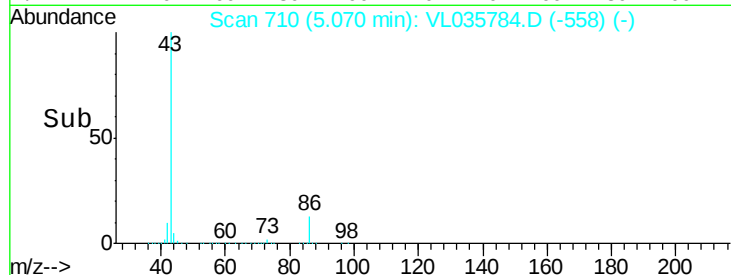
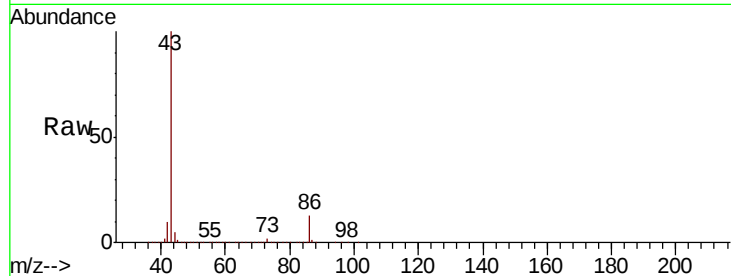
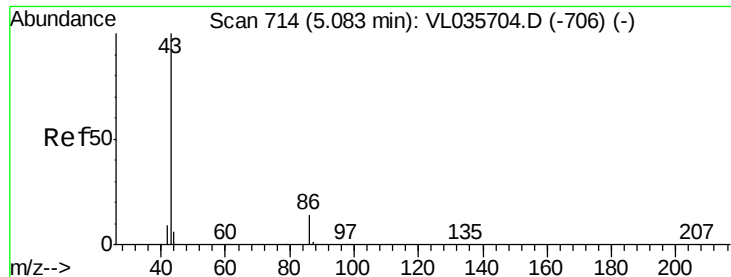
Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tgt Ion:	96	Resp:	896378
Ion Ratio	Lower	Upper	
96	100		
61	119.5	93.7	140.5
98	65.3	51.2	76.8





#23

Vinyl Acetate

Concen: 11.395 ppbv

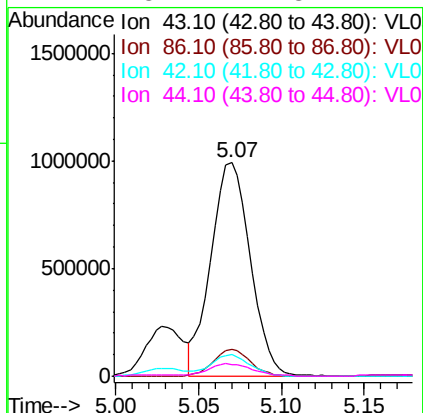
RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tot Ion:	43	Resp:	1640147
Ion	Ratio	Lower	Upper
43	100		
86	12.5	9.7	14.5
42	10.1	7.9	11.9
44	5.2	4.8	7.2



Instrument :

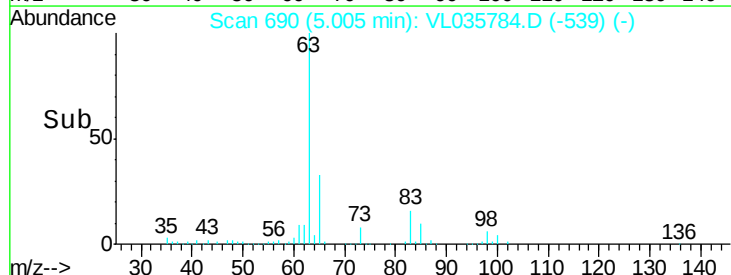
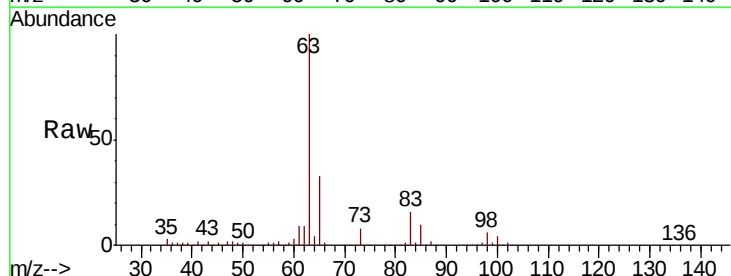
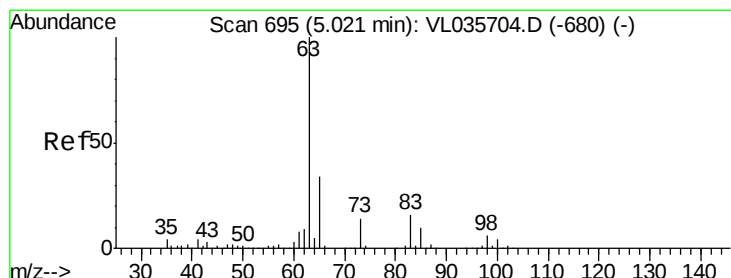
MSVOA_L

ClientSampleId :

VL1016ABS01

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#24

1,1-Dichloroethane

Concen: 10.145 ppbv

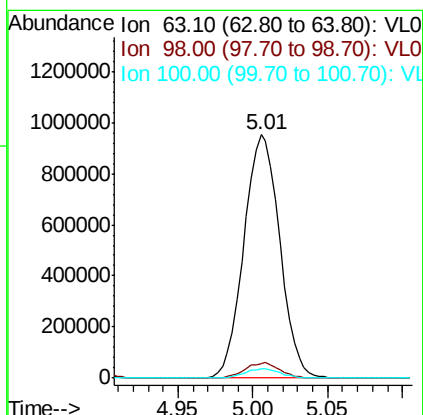
RT: 5.01 min Scan# 690

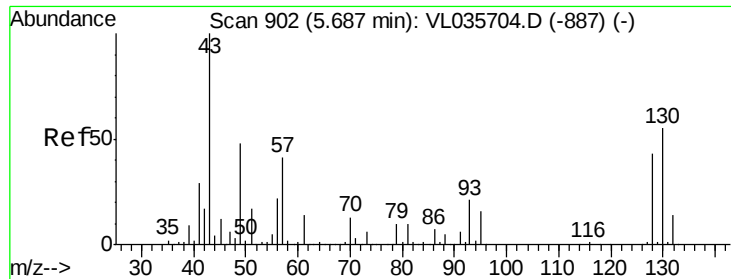
Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tgt Ion:	63	Resp:	1590504
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.3	9.8
100	4.0	2.0	5.8





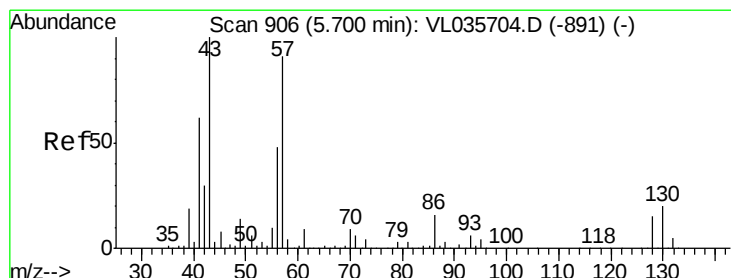
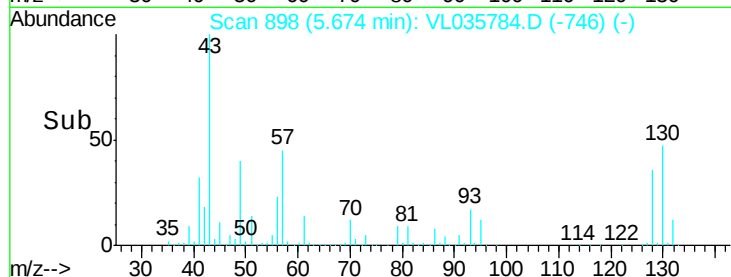
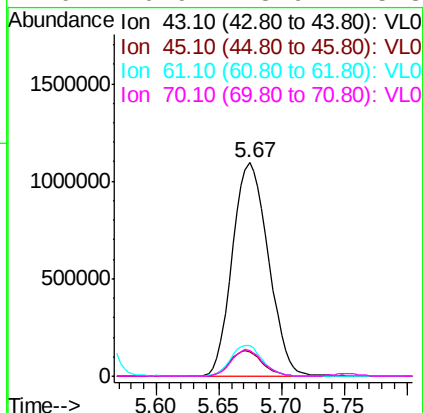
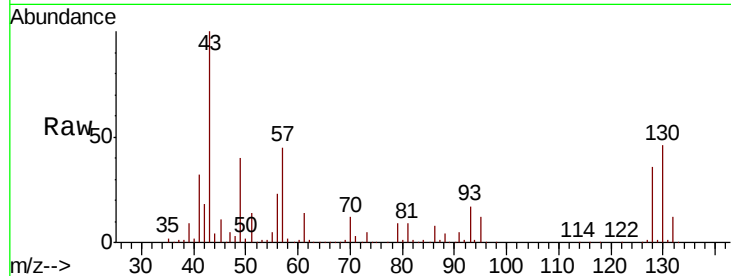
#25
Ethyl Acetate
Concen: 10.331 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.8	8.6	12.8	
61	13.0	10.4	15.6	
70	10.9	8.9	13.3	

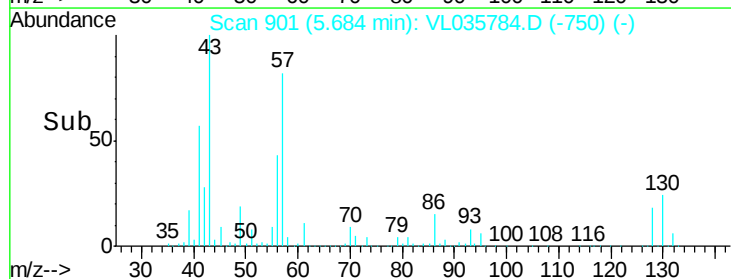
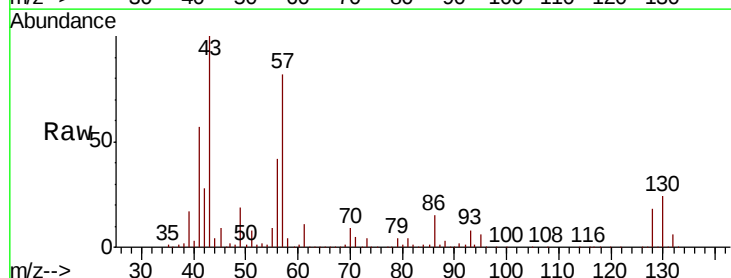
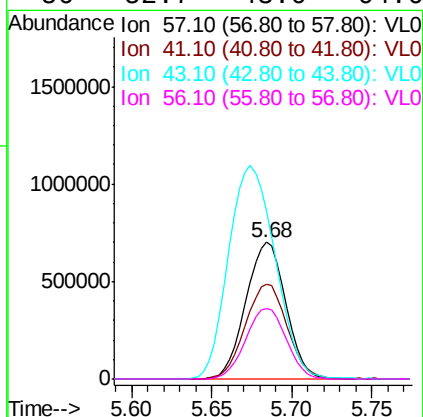
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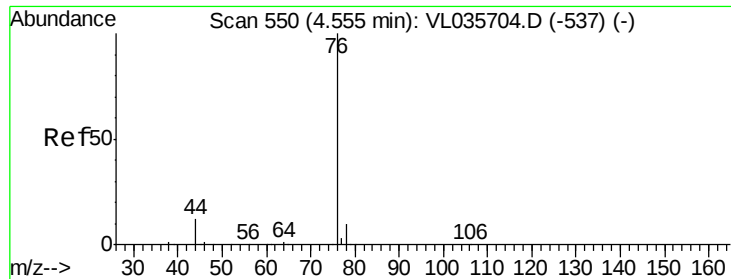
MMDadoda
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#26
Hexane
Concen: 10.323 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	73.4	57.9	86.9	
43	183.0	143.8	215.6	
56	52.7	43.0	64.6	





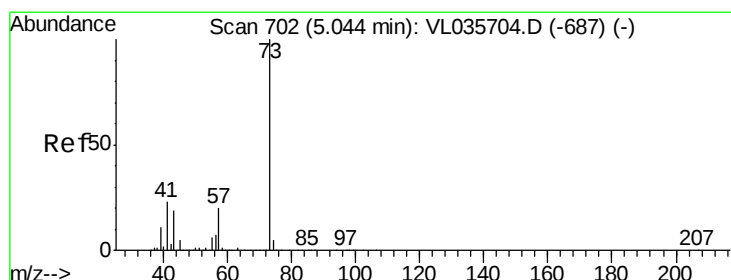
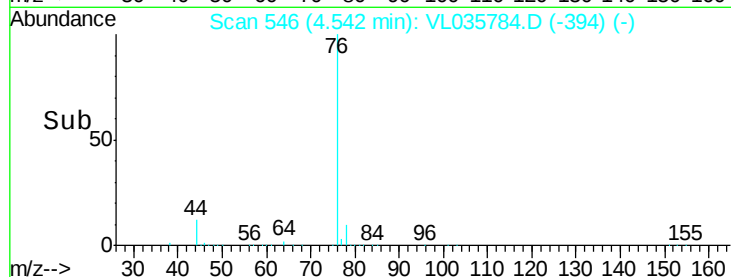
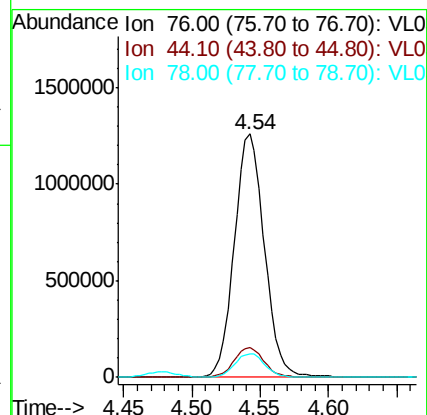
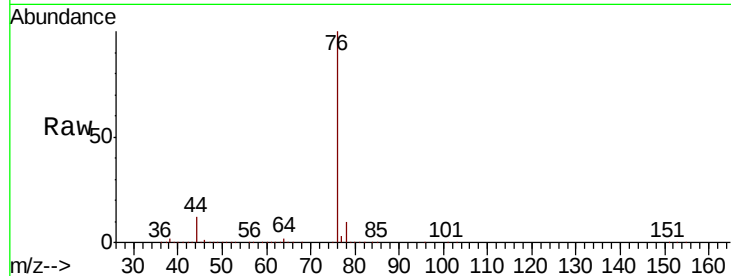
#27
Carbon Disulfide
Concen: 11.174 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	12.1	9.7	14.5
78	9.6	7.8	11.8

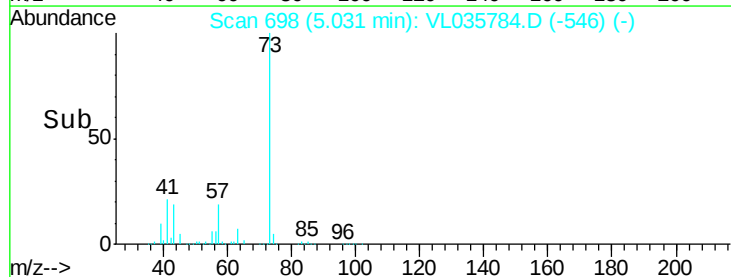
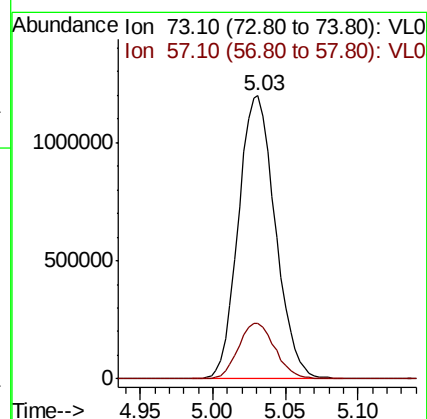
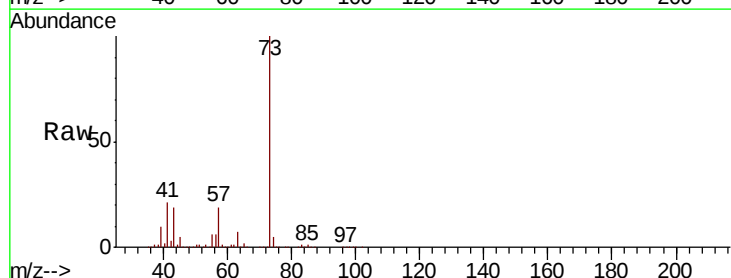
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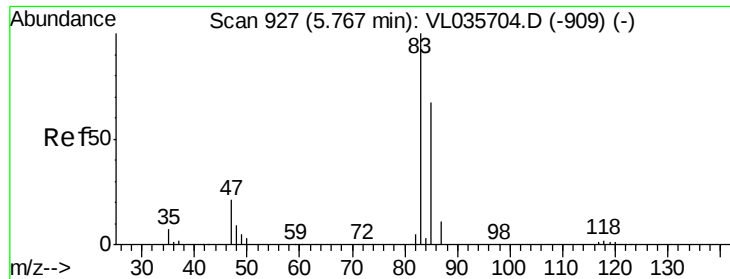
MMDadoda
10/19/2020 11:09:51 AM



#28
Methyl tert-Butyl Ether
Concen: 11.525 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.7	15.6	23.4





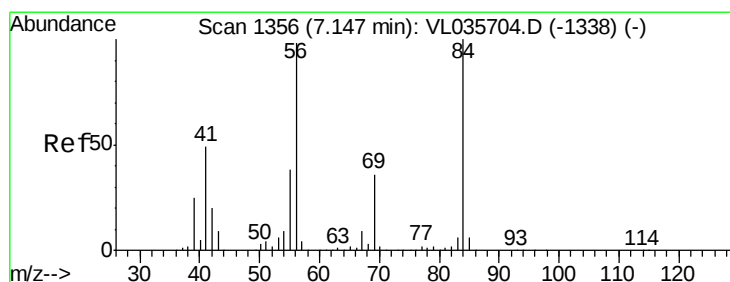
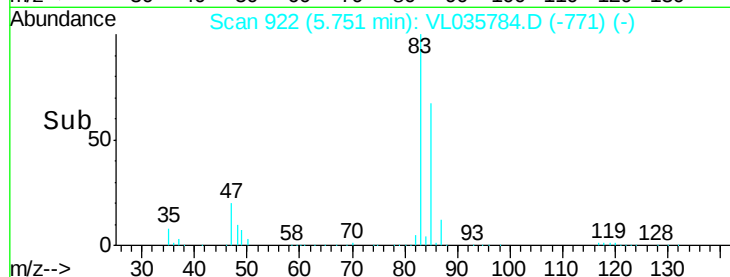
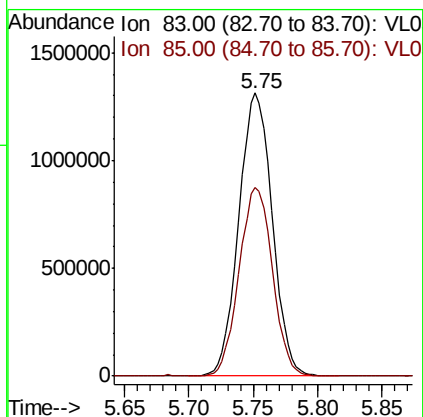
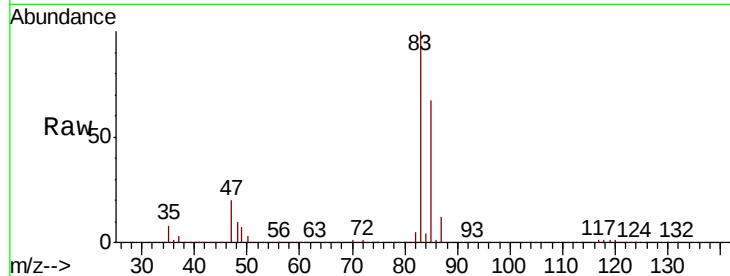
#29
Chloroform
Concen: 10.088 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion: 83 Resp: 2373856
Ion Ratio Lower Upper
83 100
85 66.6 54.0 81.0

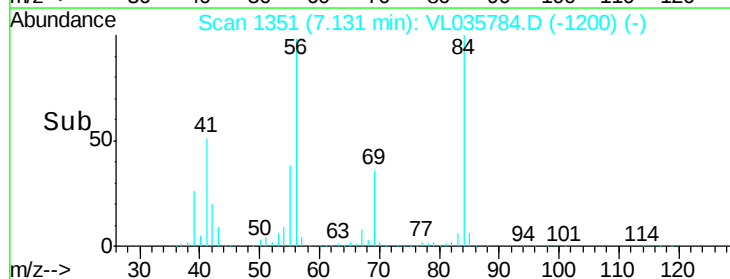
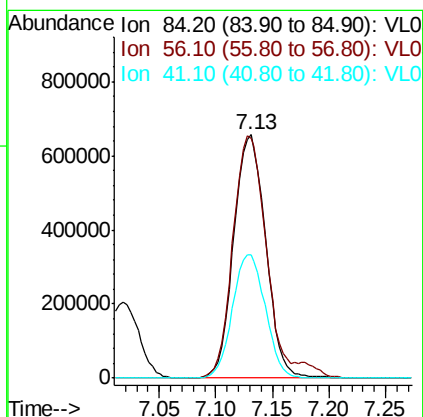
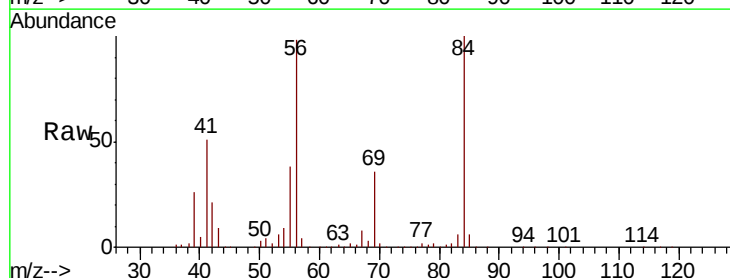
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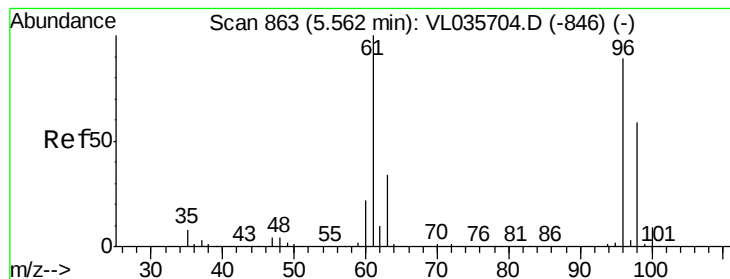
MMDadoda
10/19/2020 11:09:51 AM



#30
Cyclohexane
Concen: 11.362 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 84 Resp: 1298879
Ion Ratio Lower Upper
84 100
56 106.4 84.6 127.0
41 52.2 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 11.356 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 61 Resp: 1270166

Ion Ratio Lower Upper

61 100

96 88.6 71.4 107.2

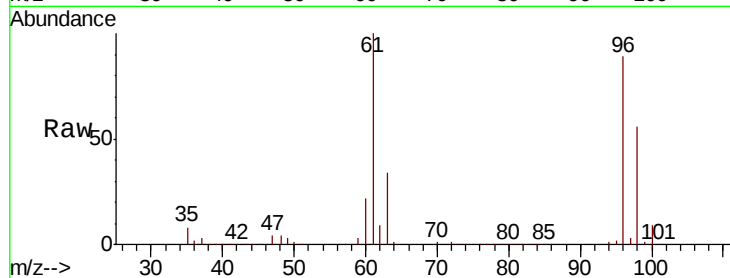
98 56.2 47.4 71.2

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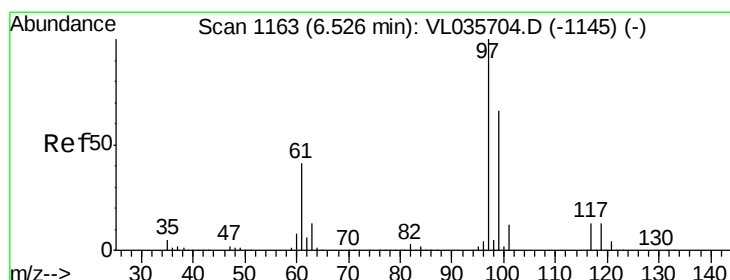
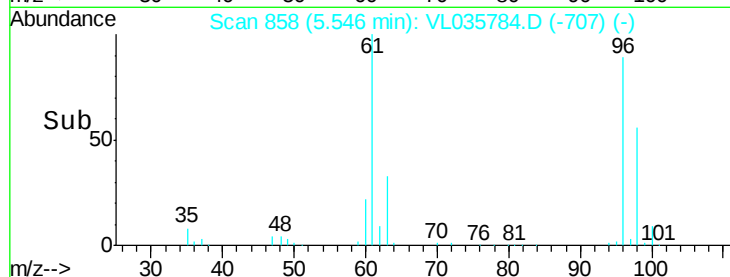
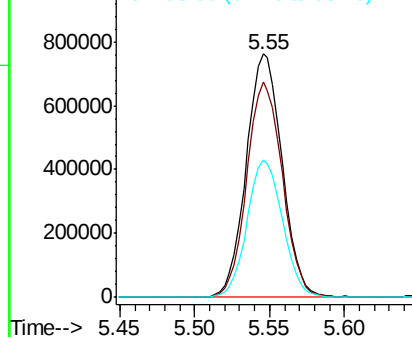


Abundance

Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 11.155 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

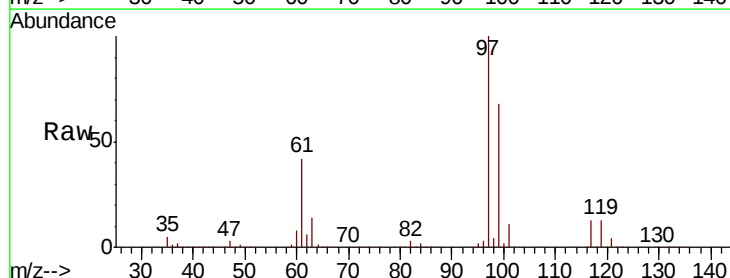
Tgt Ion: 97 Resp: 2313846

Ion Ratio Lower Upper

97 100

99 66.1 52.7 79.1

61 40.9 32.7 49.1

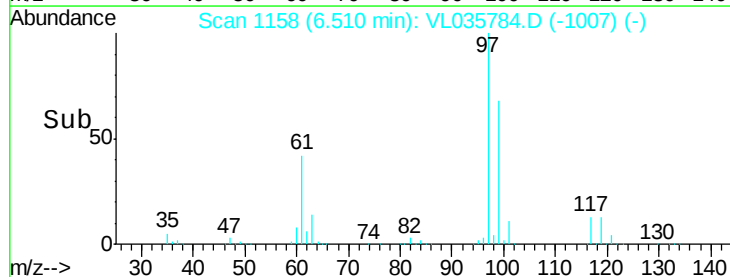
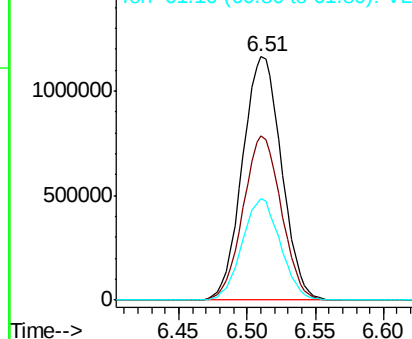


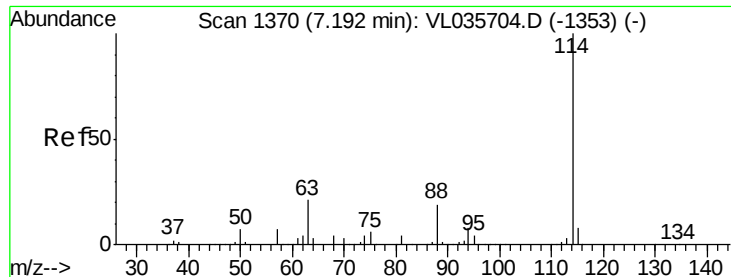
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





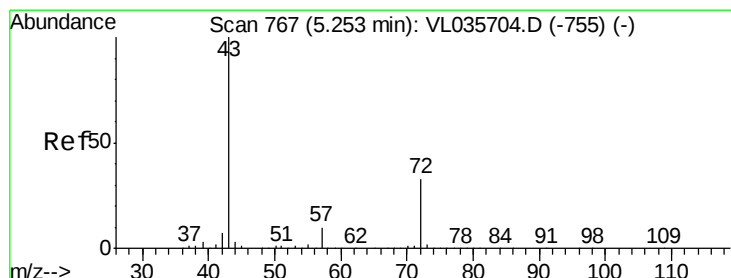
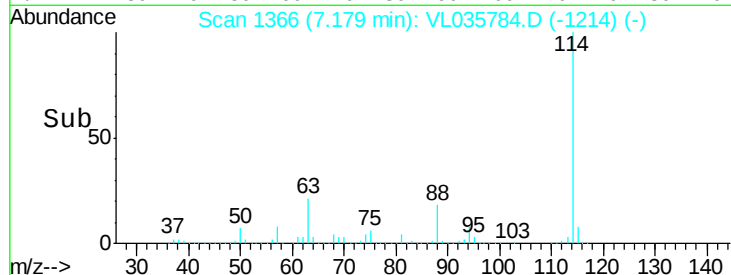
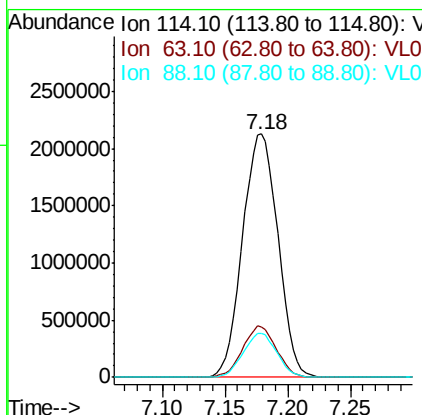
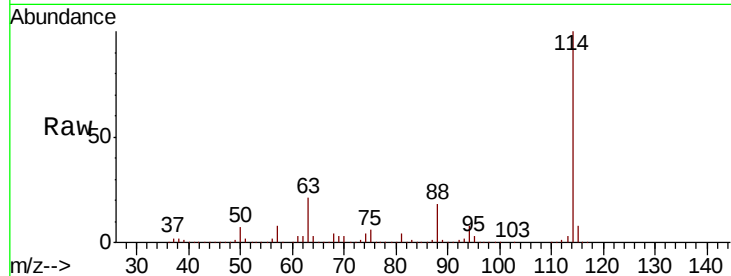
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tot Ion:114 Resp: 4182380
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.1 24.1
 88 17.3 14.1 21.1

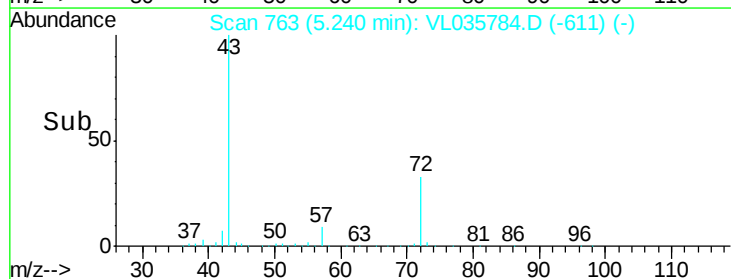
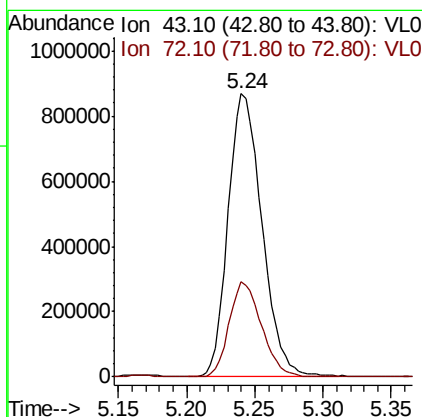
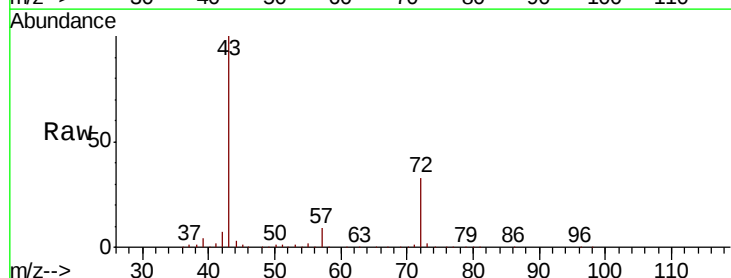
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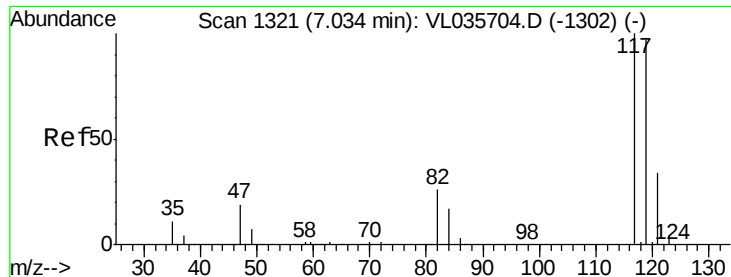
MMDadoda
 10/19/2020 11:09:51 AM



#34
 2-Butanone
 Concen: 10.819 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion: 43 Resp: 1496664
 Ion Ratio Lower Upper
 43 100
 72 32.4 26.1 39.1





#35

Carbon Tetrachloride

Concen: 10.879 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion:117 Resp: 2372298

Ion Ratio Lower Upper

117 100

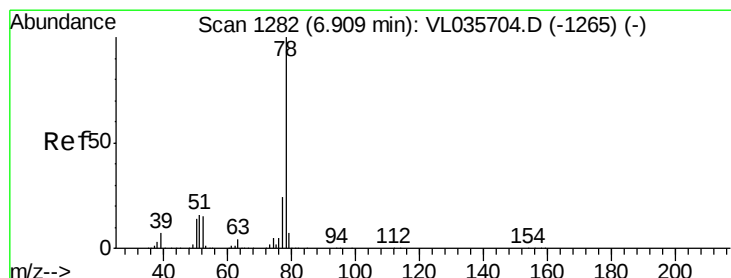
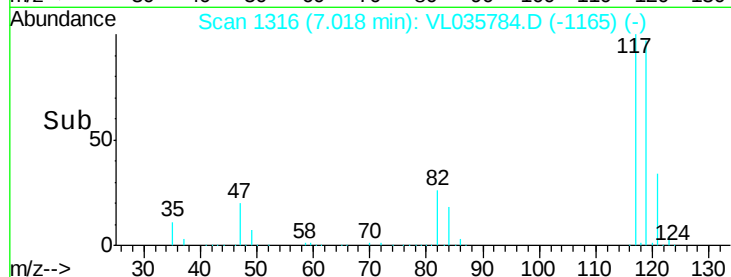
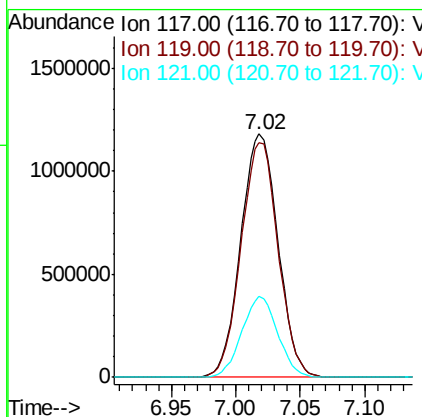
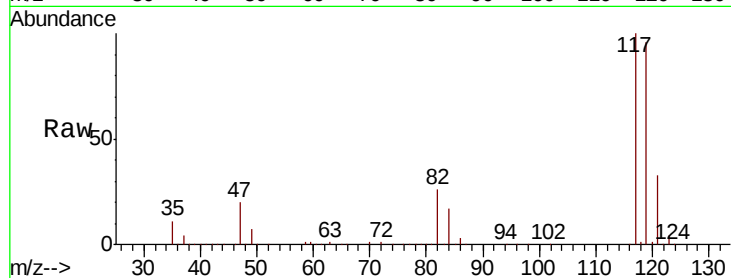
119 96.4 77.7 116.5

121 33.5 26.9 40.3

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#36

Benzene

Concen: 10.974 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

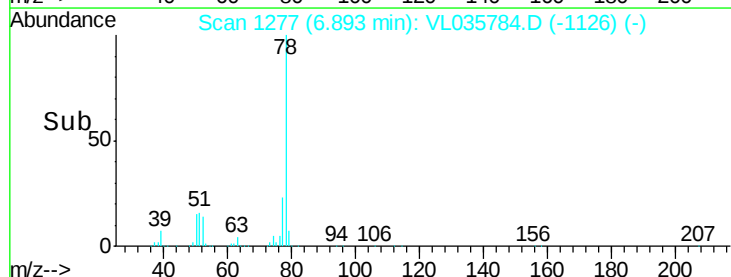
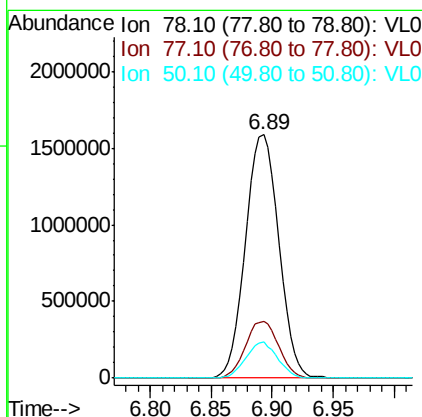
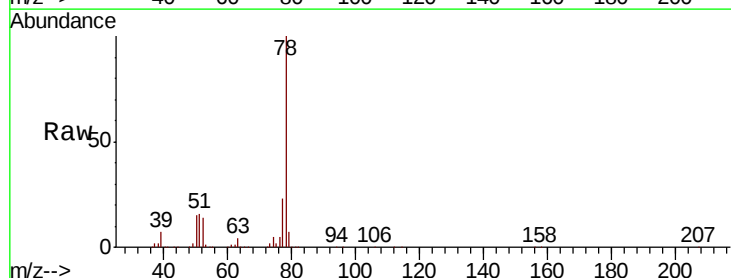
Tgt Ion: 78 Resp: 2990759

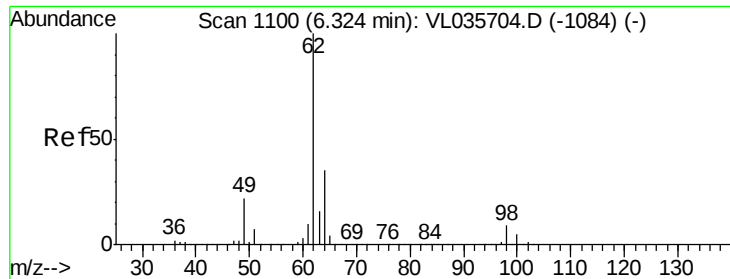
Ion Ratio Lower Upper

78 100

77 23.4 19.3 28.9

50 14.9 11.6 17.4





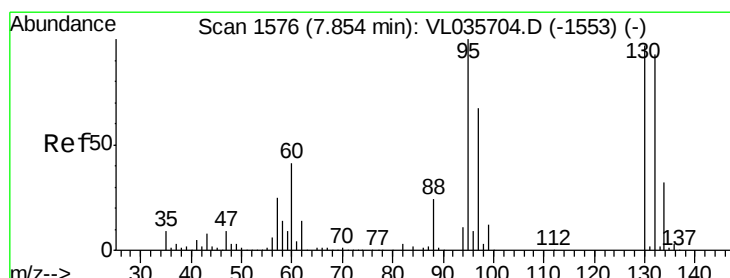
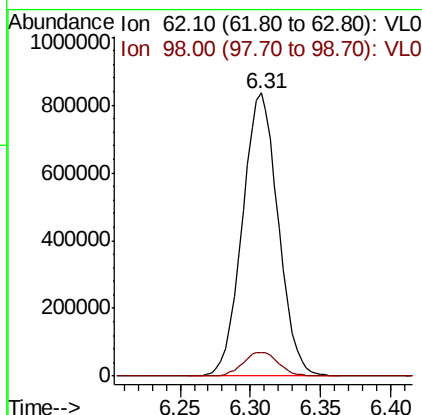
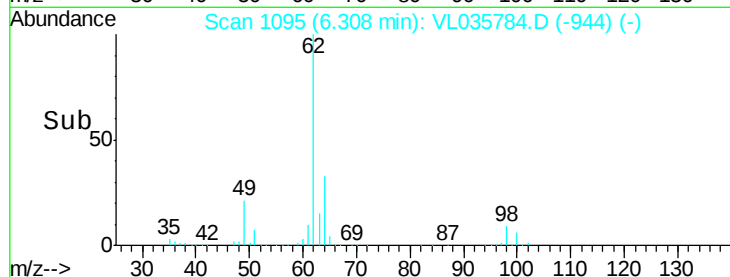
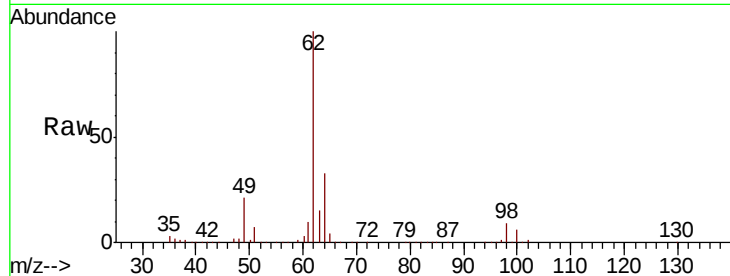
#37
1,2-Dichloroethane
Concen: 10.454 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion: 62 Resp: 1484827
Ion Ratio Lower Upper
62 100
98 8.5 6.9 10.3

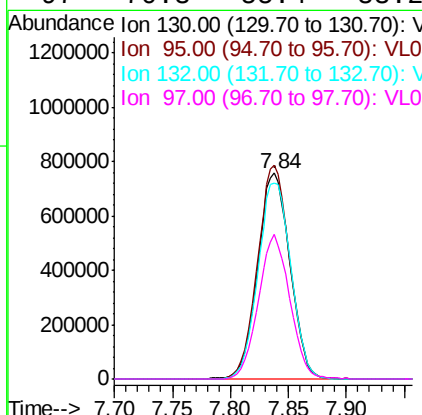
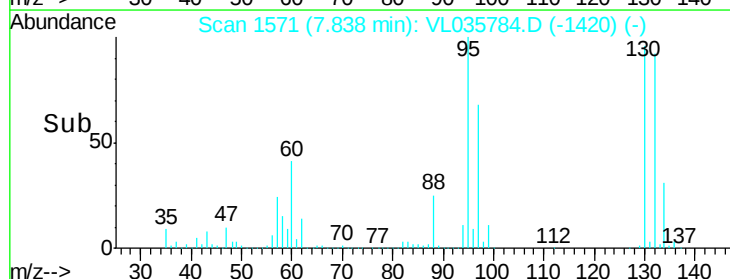
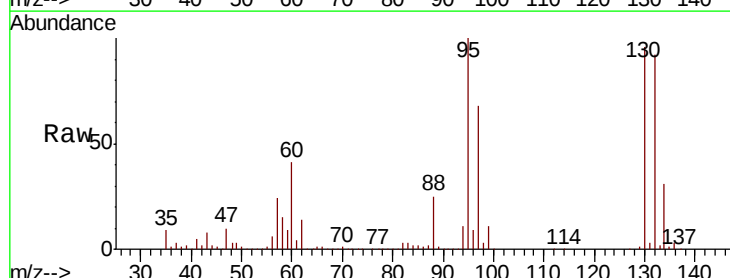
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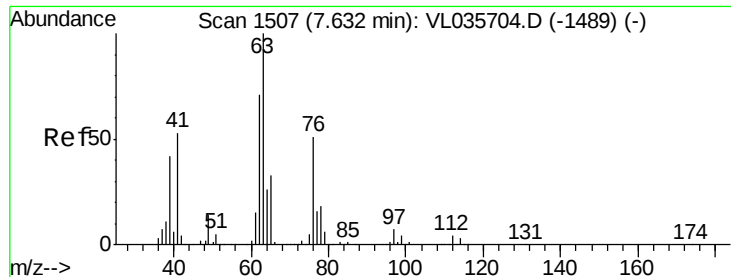
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#38
Trichloroethene
Concen: 10.833 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 130 Resp: 1472682
Ion Ratio Lower Upper
130 100
95 104.0 82.4 123.6
132 95.5 76.8 115.2
97 70.3 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.563 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 63 Resp: 1043367

Ion Ratio Lower Upper

63 100

41 53.0 42.6 63.8

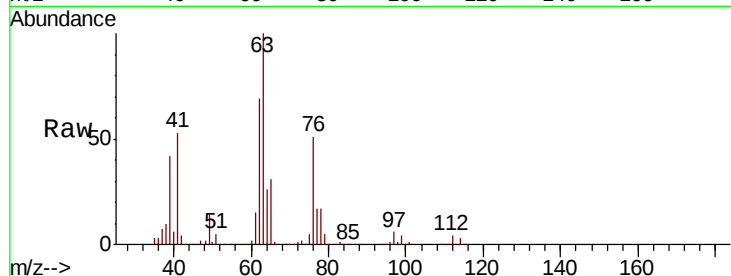
62 68.7 56.5 84.7

Manual Integrations

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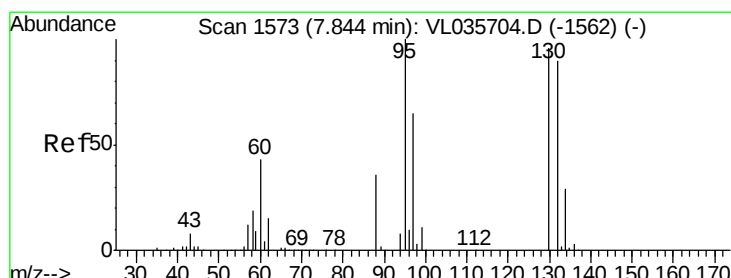
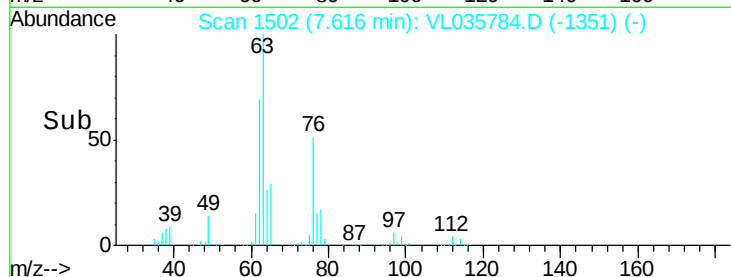
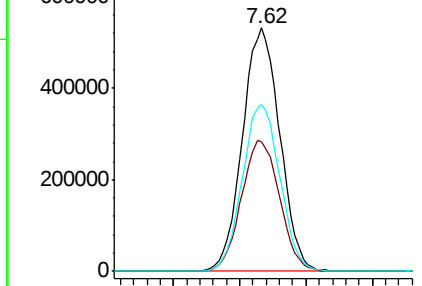
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.491 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tgt Ion: 88 Resp: 519074

Ion Ratio Lower Upper

88 100

58 94.5 76.2 114.4

43 149.6 123.4 185.2

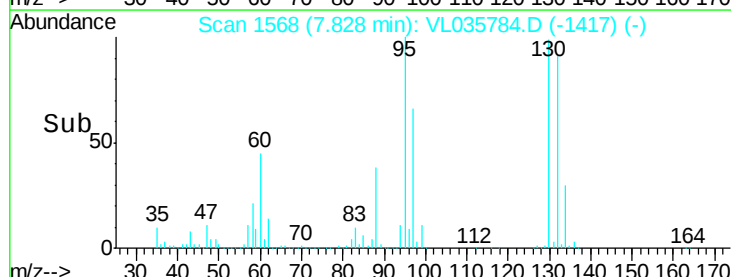
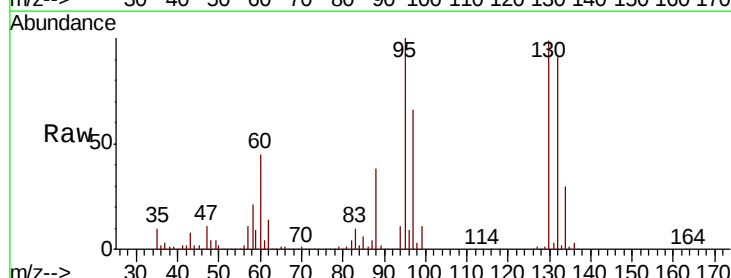
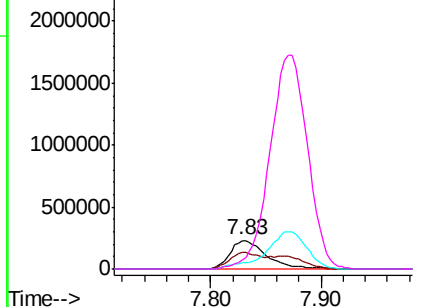
57 788.6 652.5 978.7

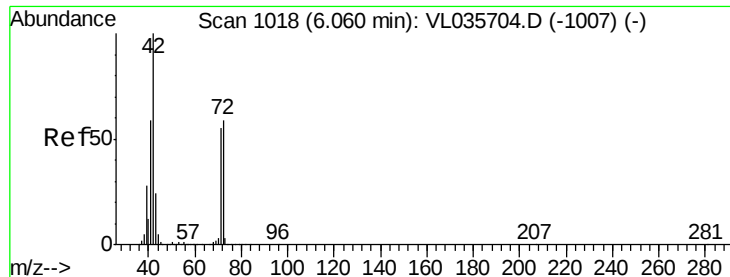
Abundance Ion 88.10 (87.80 to 88.80): VL0

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





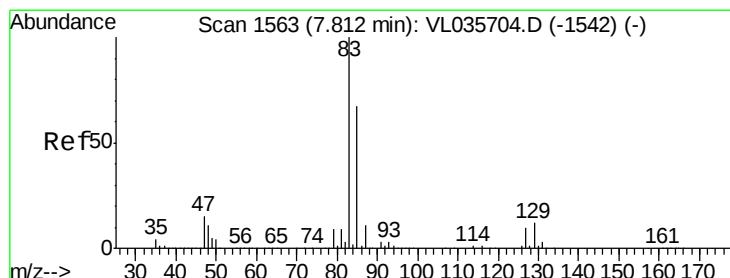
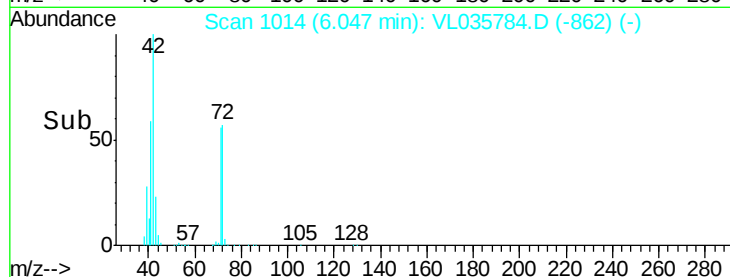
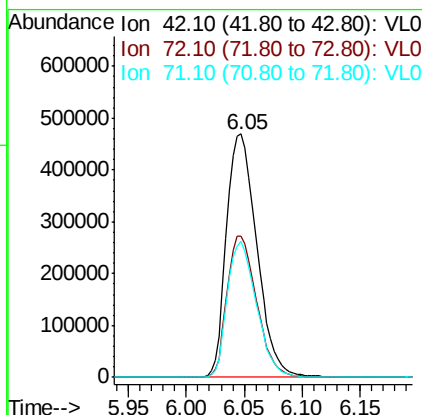
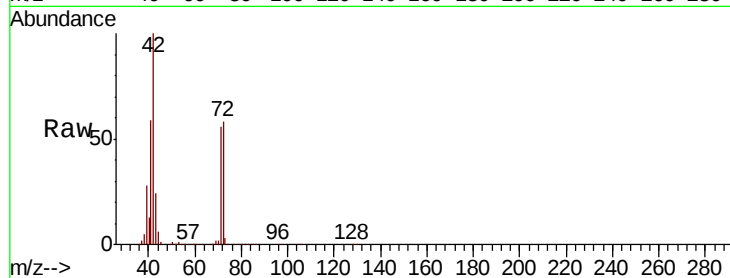
#41
Tetrahydrofuran
Concen: 12.171 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.8	46.2	69.4
71	53.9	44.2	66.4

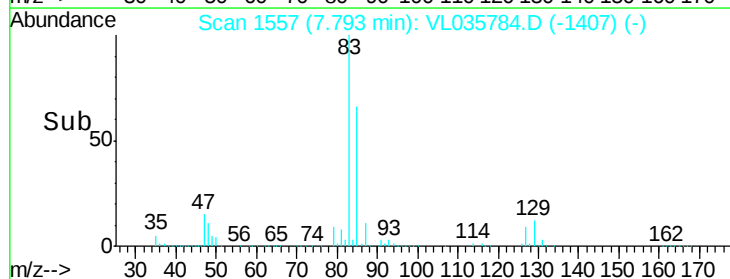
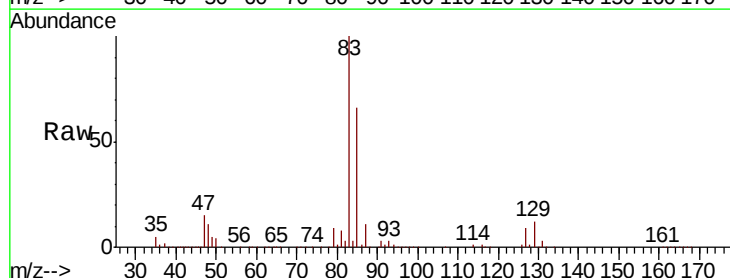
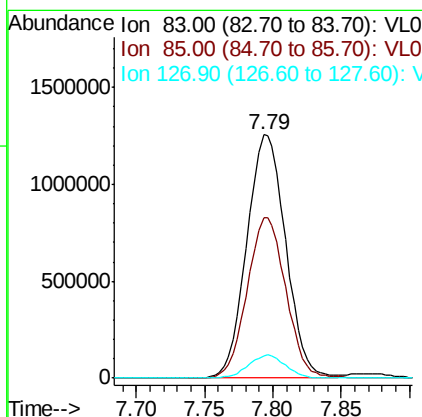
Manual Integrations
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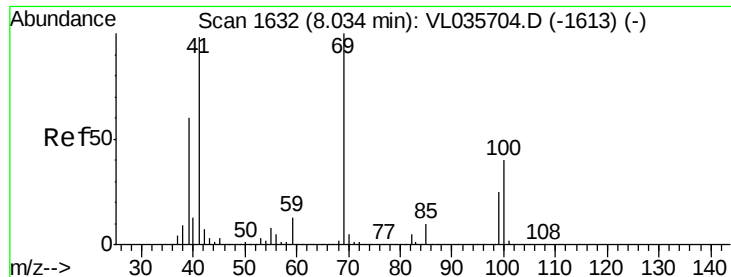
MMDadoda
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#42
Bromodichloromethane
Concen: 10.896 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.4	80.0
127	9.1	7.8	11.6





#43

Methyl Methacrylate

Concen: 11.697 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 69 Resp: 1267790

Ion Ratio Lower Upper

69 100

41 101.1 79.8 119.6

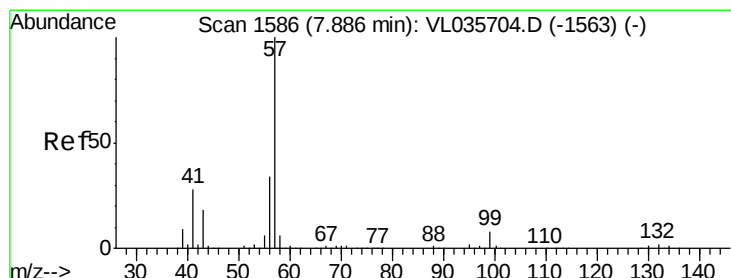
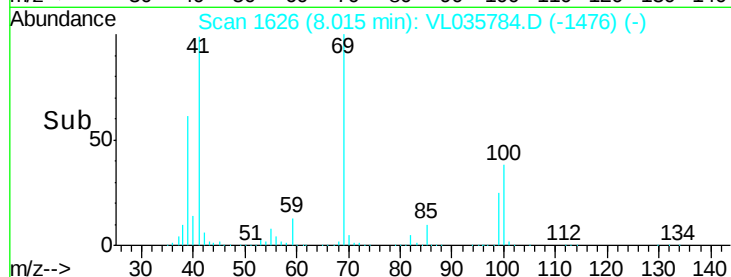
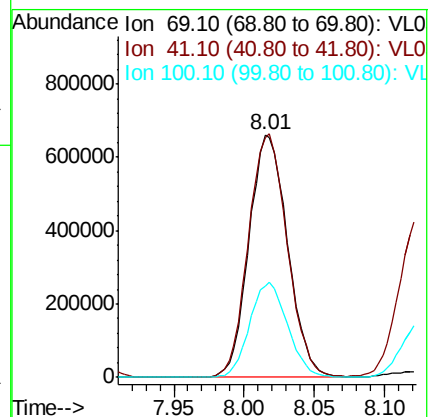
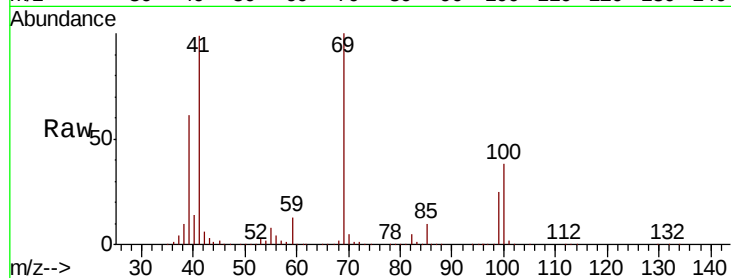
100 38.4 30.6 46.0

Manual Integrations

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MMDadoda

10/19/2020 11:09:51 AM



#44

2,2,4-Trimethylpentane

Concen: 10.453 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

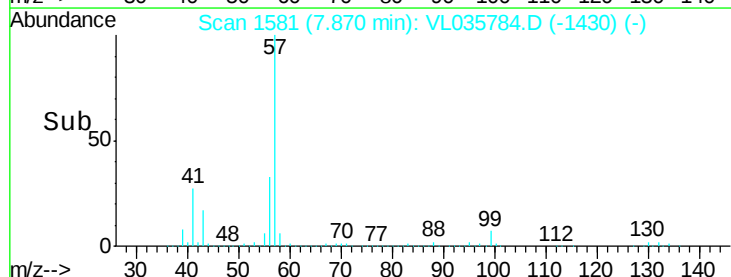
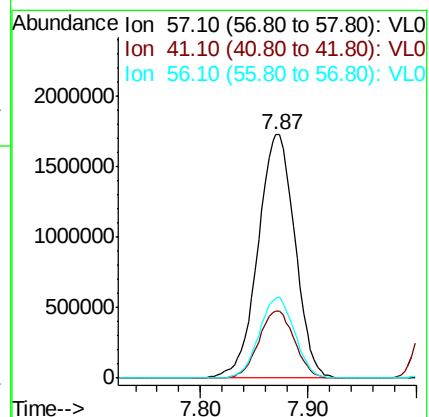
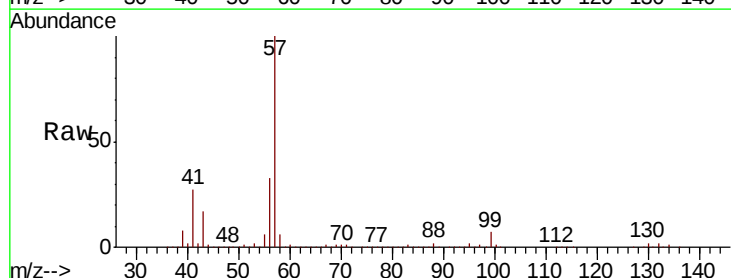
Tgt Ion: 57 Resp: 4087801

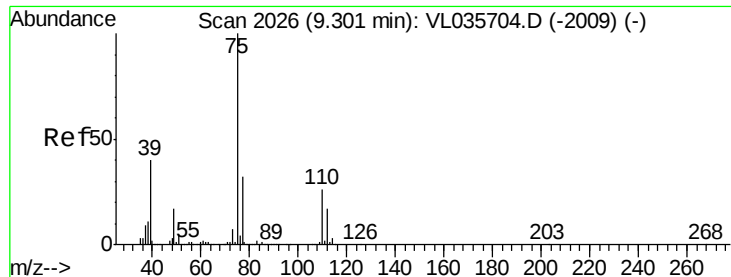
Ion Ratio Lower Upper

57 100

41 26.7 21.2 31.8

56 31.9 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 13.077 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tot Ion: 75 Resp: 1431045

Ion Ratio Lower Upper

75 100

77 32.9 25.9 38.9

Instrument :

MSVOA_L

ClientSampleId :

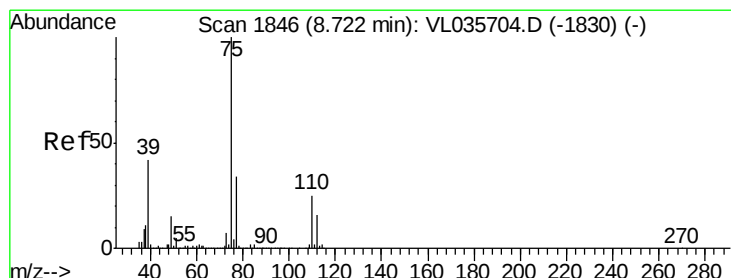
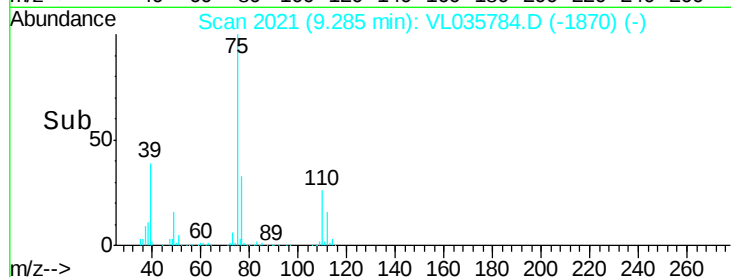
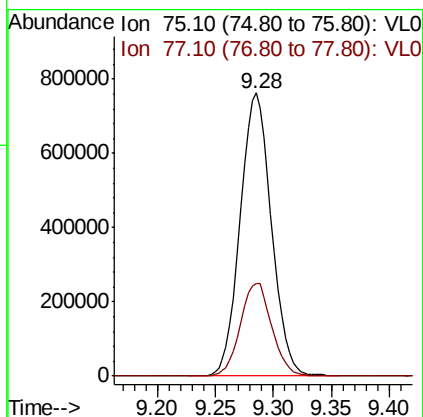
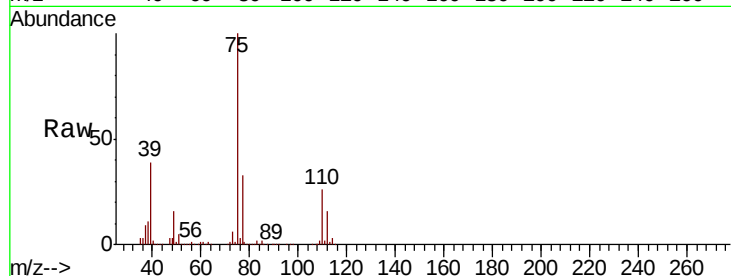
VL1016ABS01

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#46

cis-1,3-Dichloropropene

Concen: 12.571 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

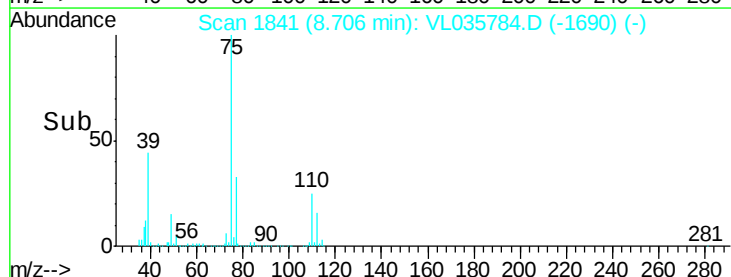
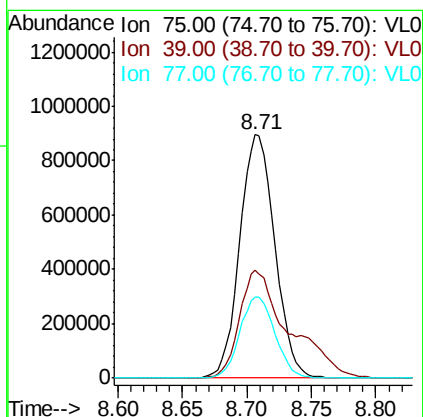
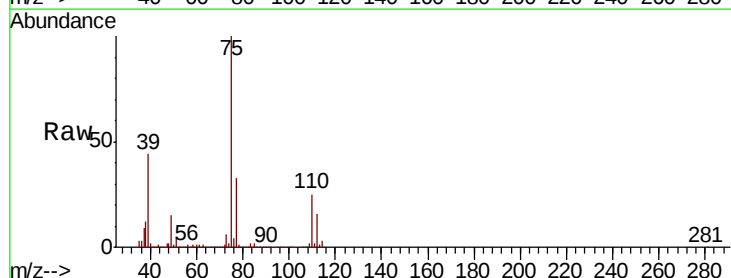
Tgt Ion: 75 Resp: 1695694

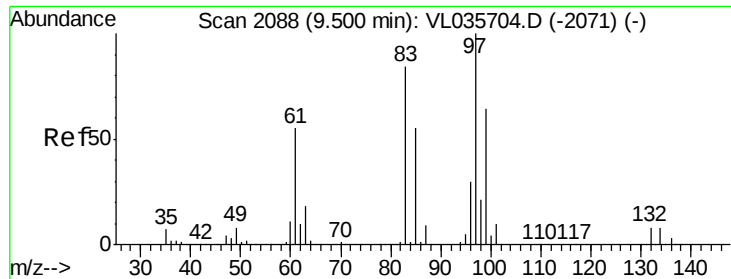
Ion Ratio Lower Upper

75 100

39 44.2 33.9 50.9

77 33.2 27.4 41.0





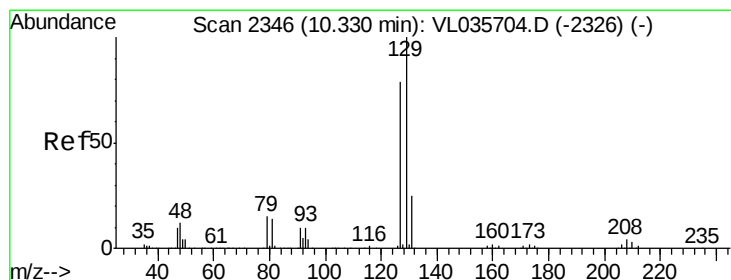
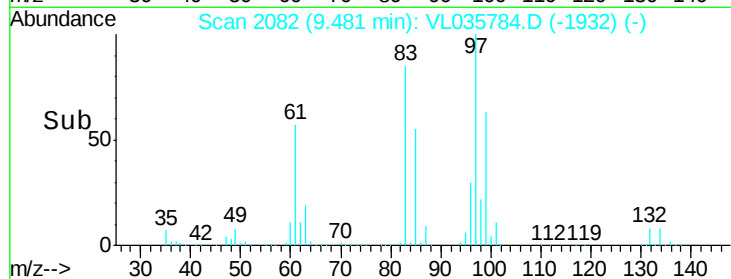
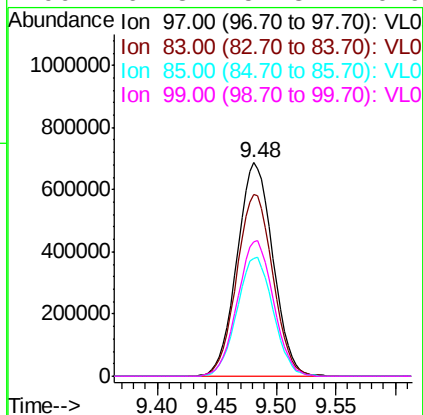
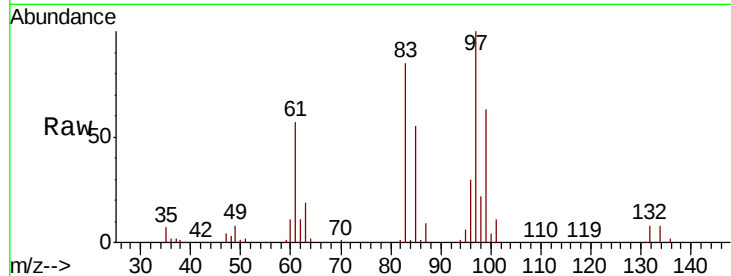
#47
 1,1,2-Trichloroethane
 Concen: 10.166 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tot Ion	97	Resp	1438308
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.1	100.7
85	55.3	43.9	65.9
99	62.8	51.3	76.9

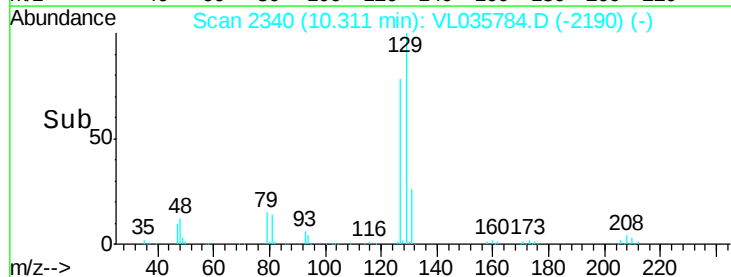
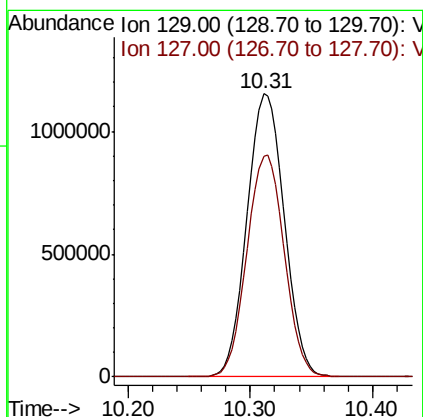
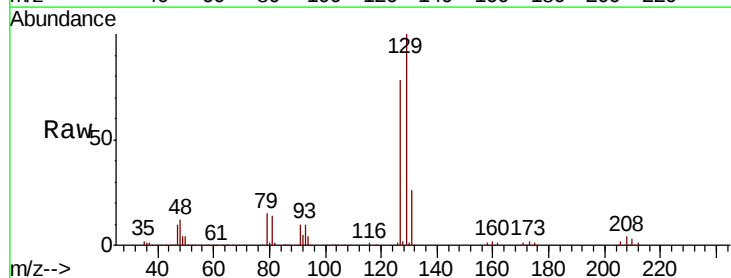
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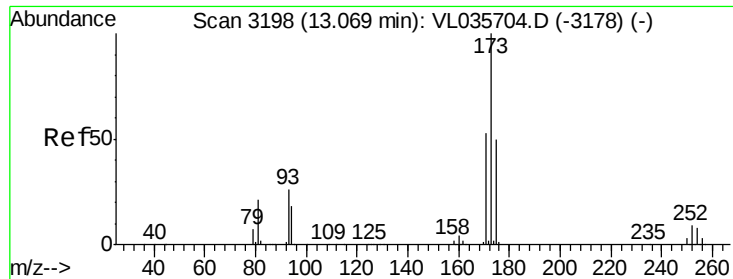
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#48
 Dibromochloromethane
 Concen: 11.337 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion	129	Resp	2441232
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.4	118.1





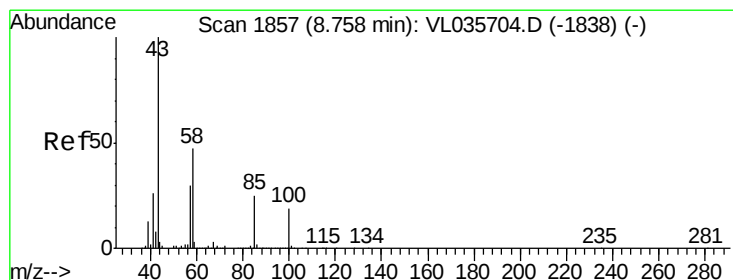
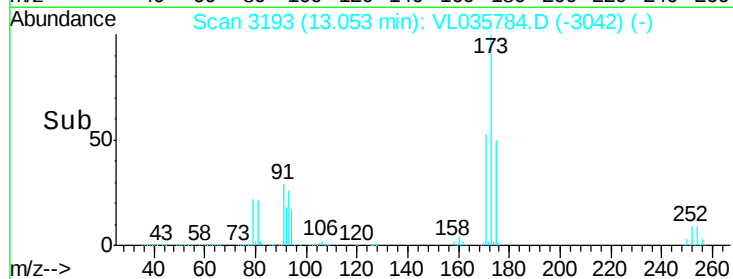
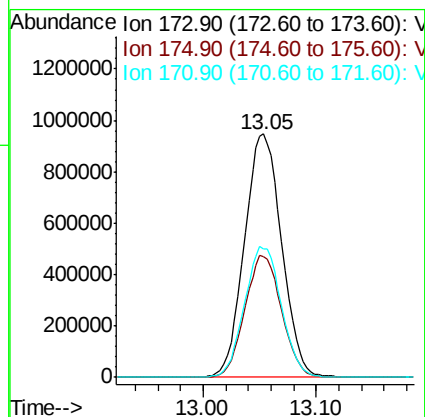
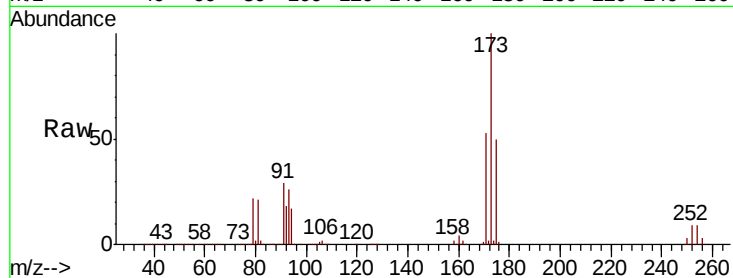
#49
Bromoform
Concen: 11.841 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion:173 Resp: 2163398
Ion Ratio Lower Upper
173 100
175 49.6 39.8 59.6
171 53.5 42.8 64.2

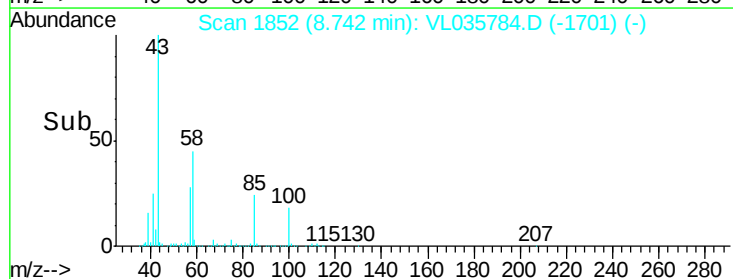
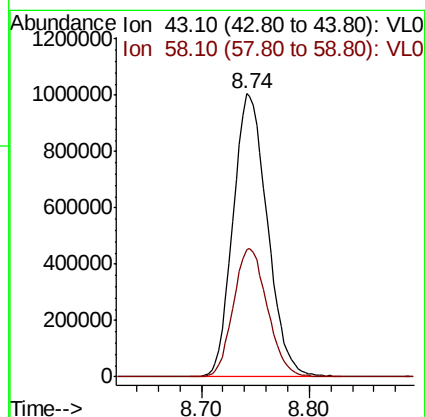
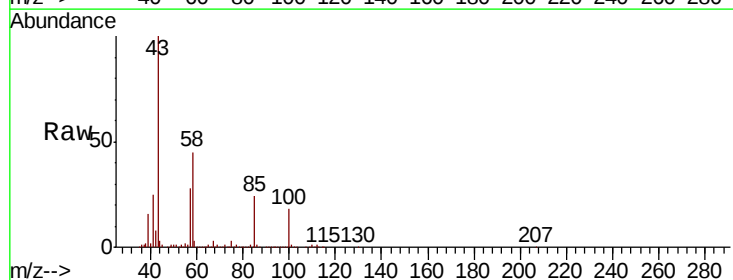
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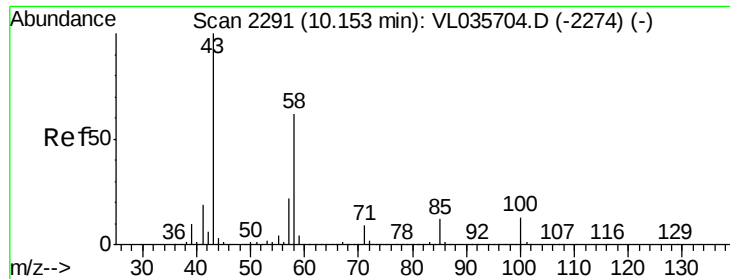
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.008 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 43 Resp: 2224251
Ion Ratio Lower Upper
43 100
58 45.2 36.6 54.8





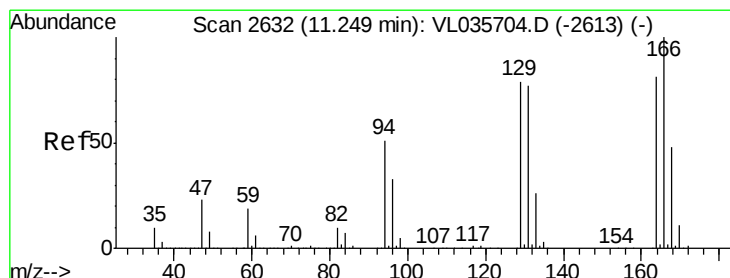
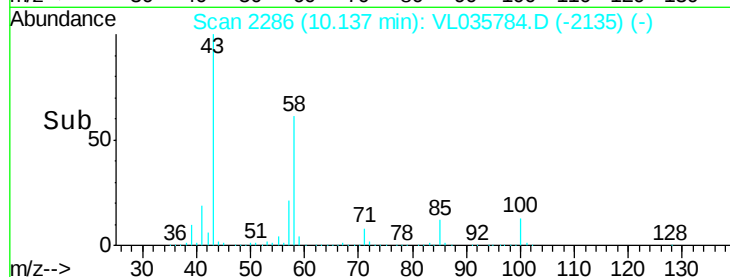
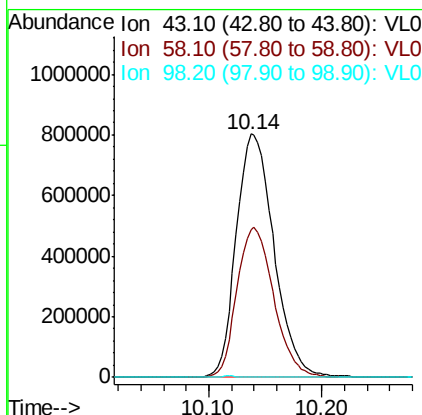
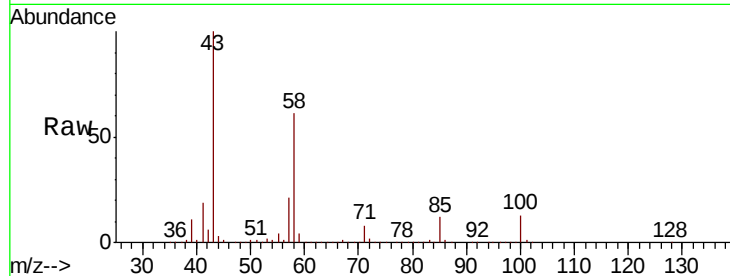
#51
2-Hexanone
Concen: 11.444 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion: 43 Resp: 1862925
Ion Ratio Lower Upper
43 100
58 60.5 48.7 73.1
98 0.7 0.7 1.1#

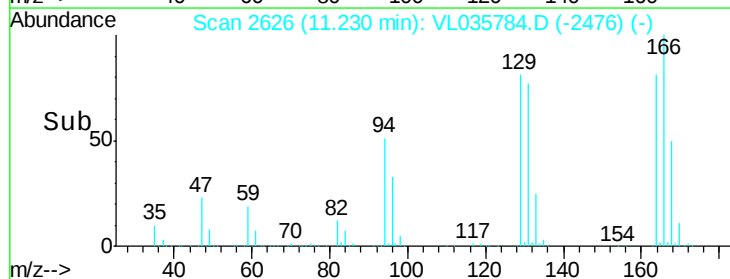
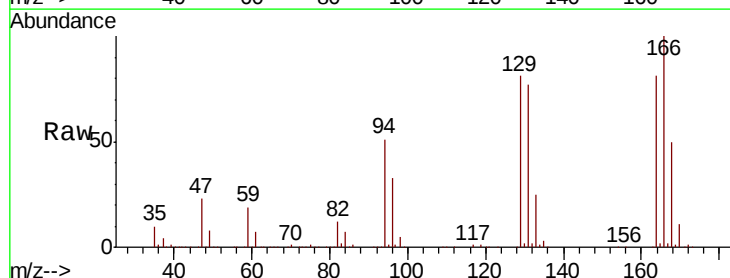
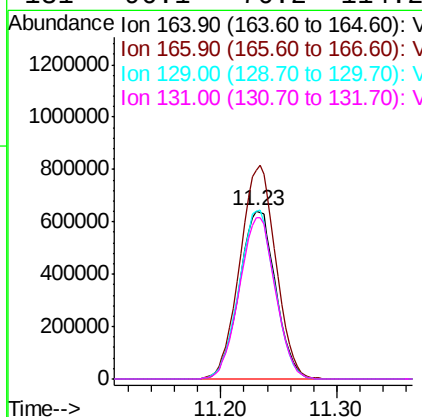
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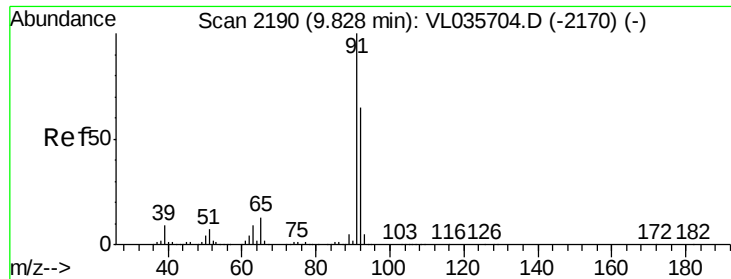
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#52
Tetrachloroethene
Concen: 10.646 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion:164 Resp: 1395190
Ion Ratio Lower Upper
164 100
166 124.2 98.7 148.1
129 100.1 78.4 117.6
131 96.1 76.2 114.2





#53

Toluene

Concen: 11.627 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 91 Resp: 3736460

Ion Ratio Lower Upper

91 100

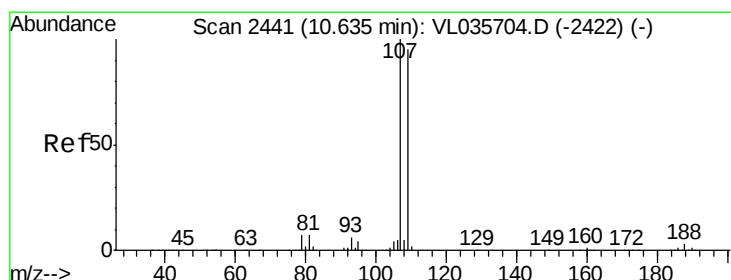
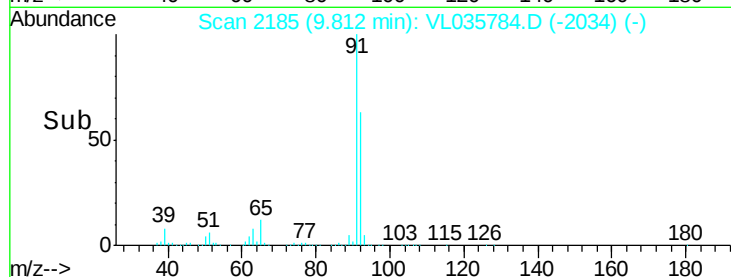
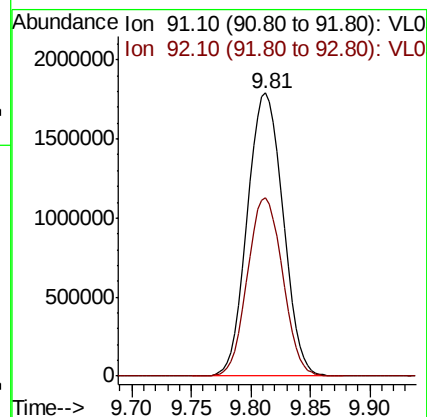
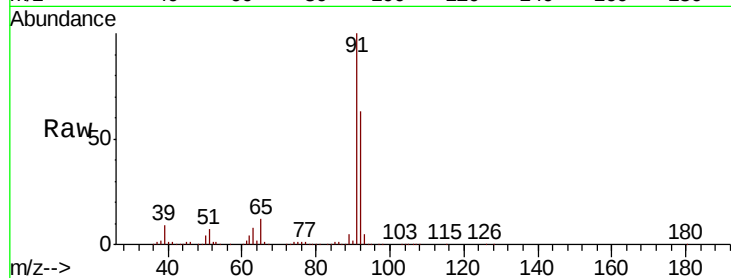
92 62.2 50.0 75.0

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.637 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.02 min

Lab File: VL035784.D

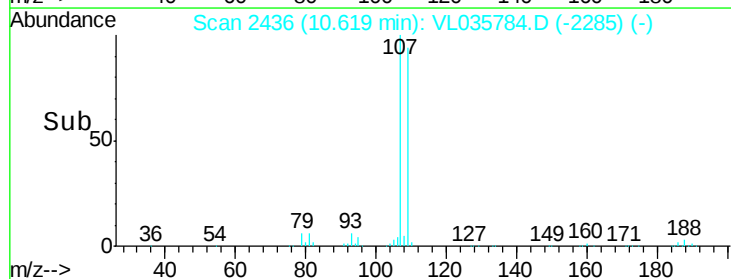
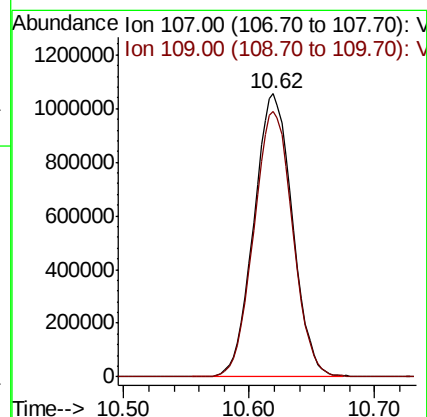
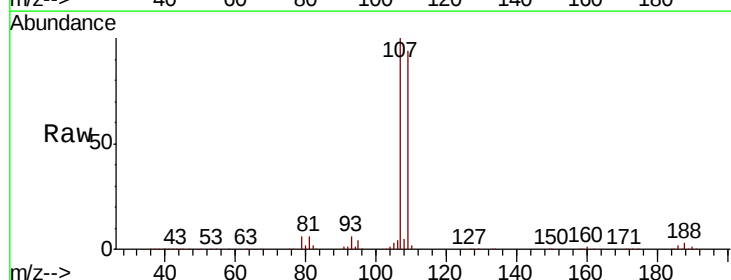
Acq: 16 Oct 2020 13:17

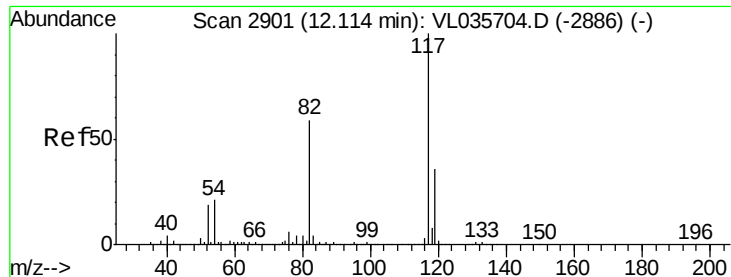
Tgt Ion: 107 Resp: 2253478

Ion Ratio Lower Upper

107 100

109 93.6 76.0 114.0





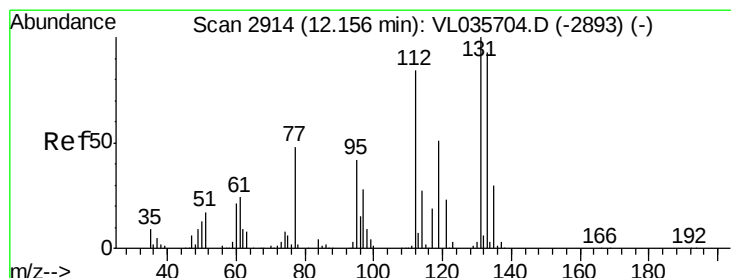
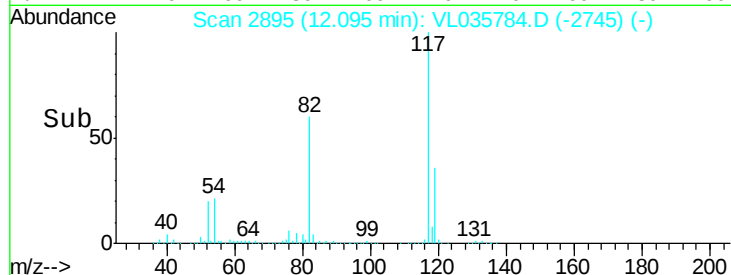
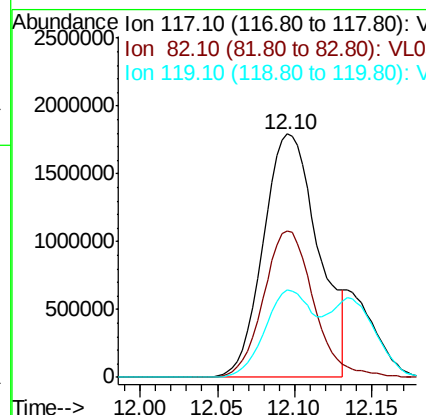
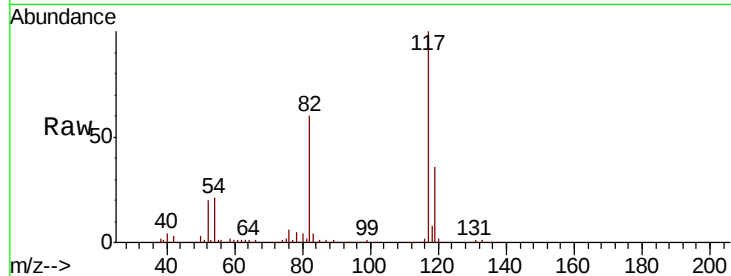
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion:117 Resp: 4449448
Ion Ratio Lower Upper
117 100
82 55.0 46.1 69.1
119 30.1 28.0 42.0

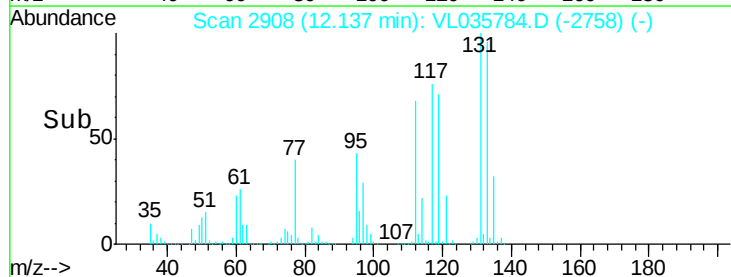
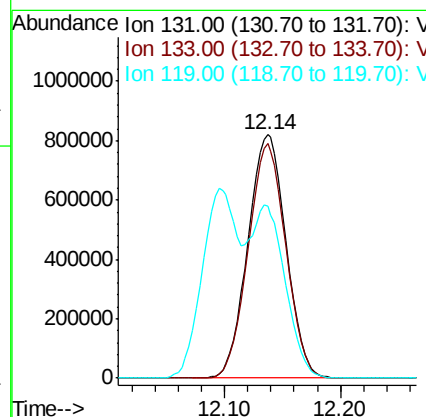
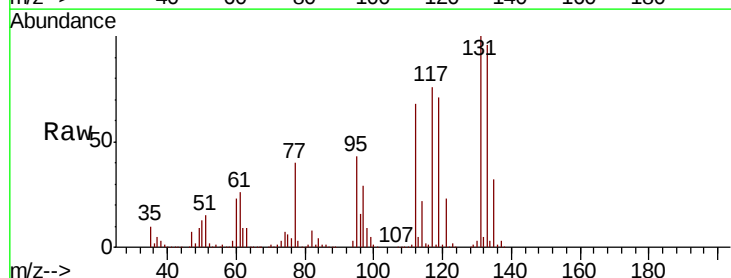
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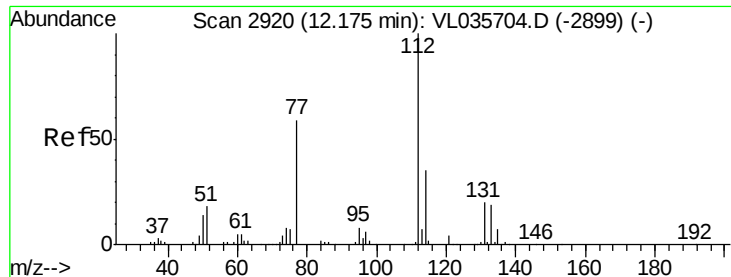
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.058 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion:131 Resp: 1876573
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 59.3 52.4 78.6





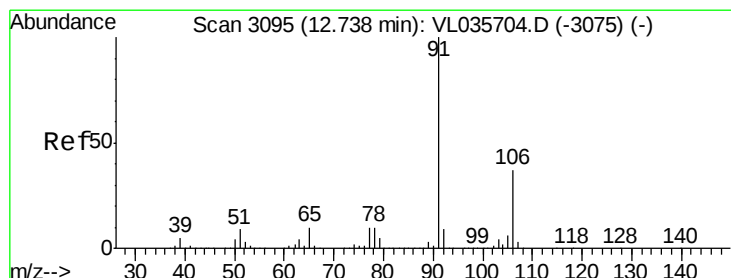
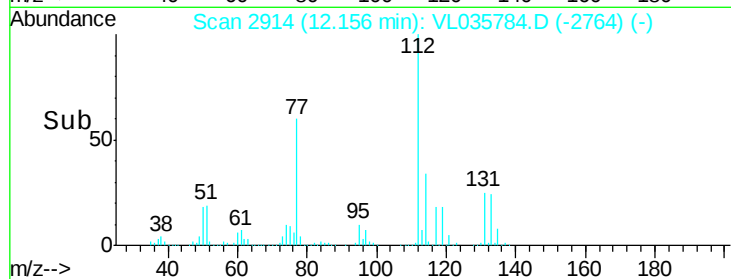
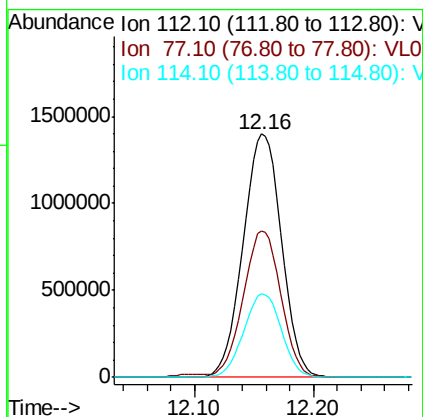
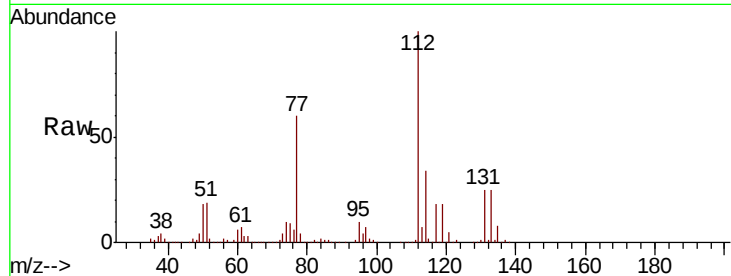
#57
Chlorobenzene
Concen: 9.301 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	60.0	48.2	72.2
114	34.5	31.9	39.1

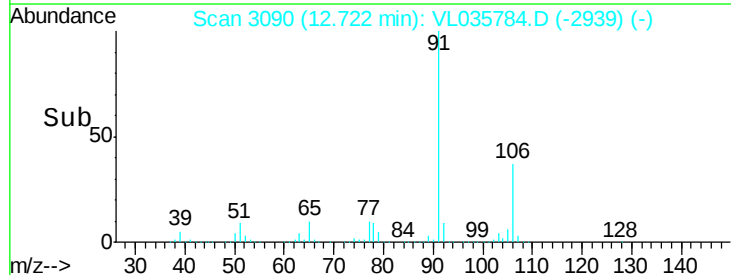
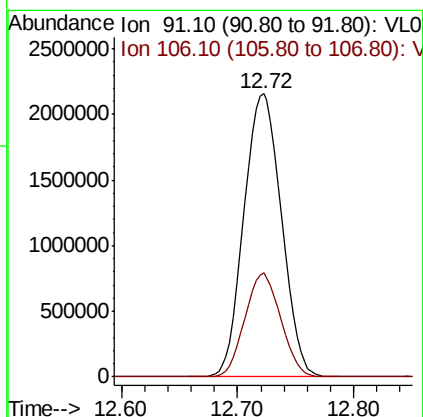
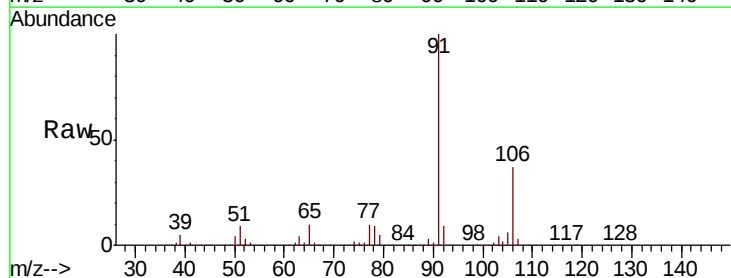
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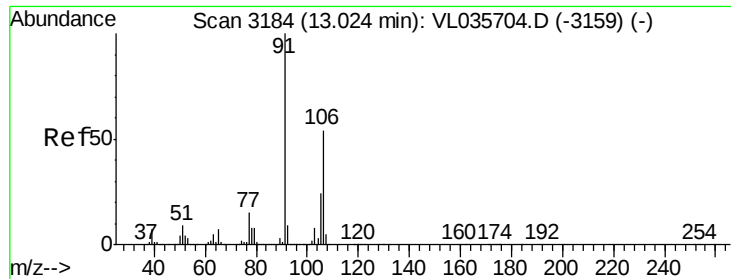
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#58
Ethyl Benzene
Concen: 10.894 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.7	29.7	44.5





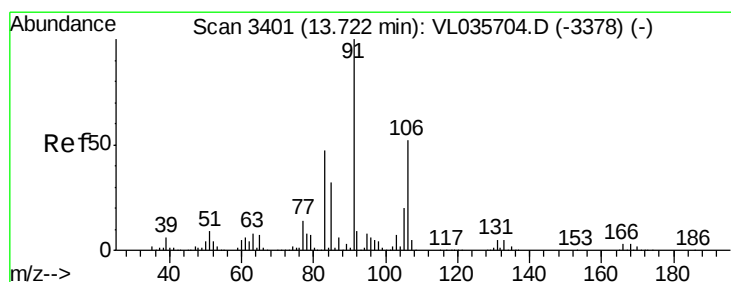
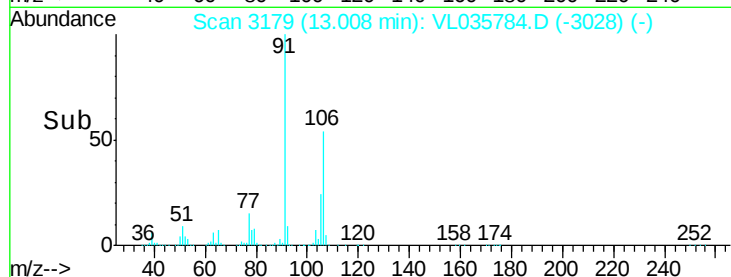
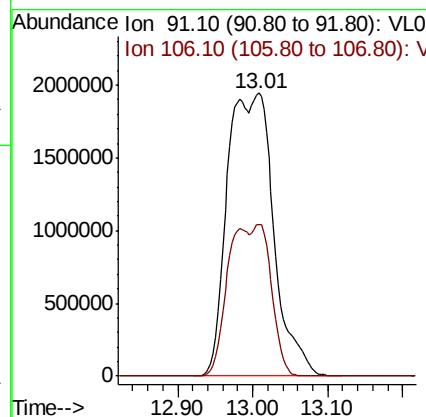
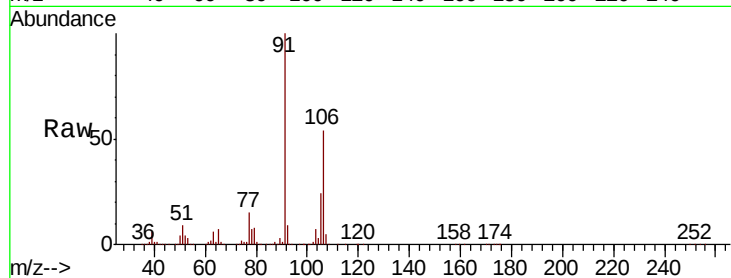
#59
m/p-Xylene
Concen: 21.371 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion: 91 Resp: 8334859
Ion Ratio Lower Upper
91 100
106 49.6 41.4 62.0

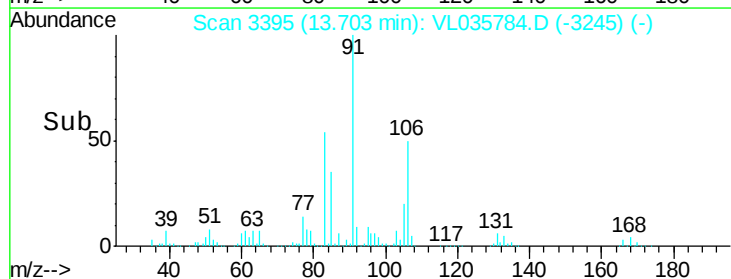
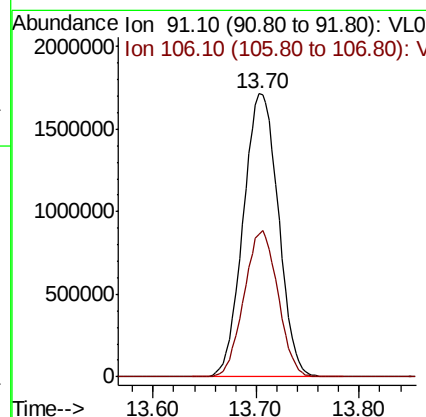
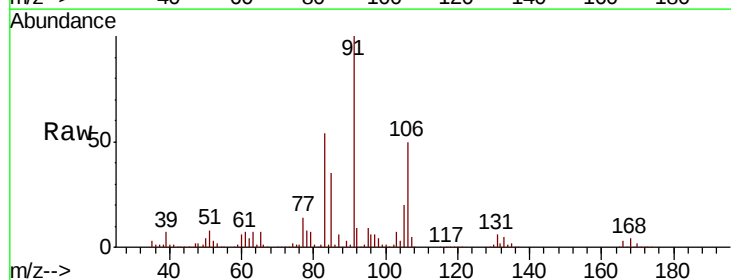
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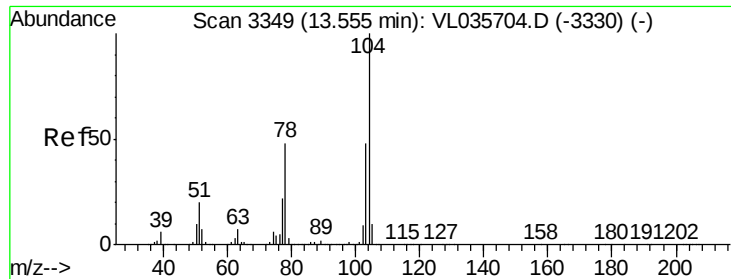
MMDadoda
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#60
o-Xylene
Concen: 10.286 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion: 91 Resp: 4058016
Ion Ratio Lower Upper
91 100
106 49.8 25.0 75.0





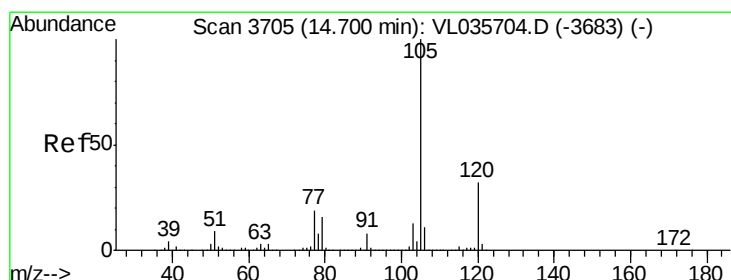
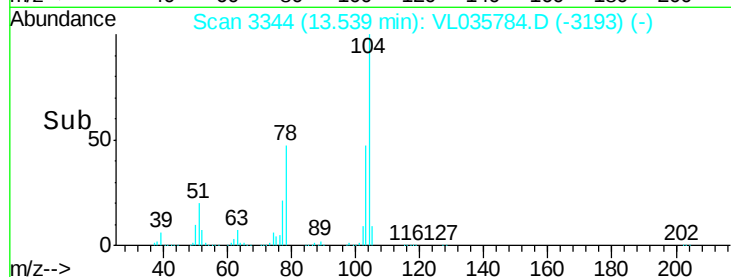
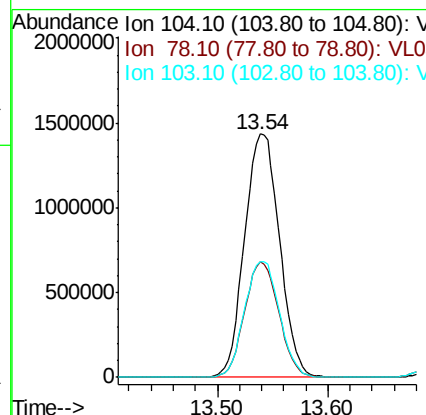
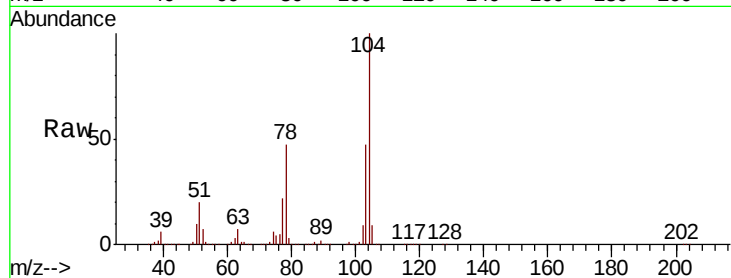
#61
Stvrene
Concen: 11.605 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.3	37.2	55.8
103	47.5	38.2	57.2

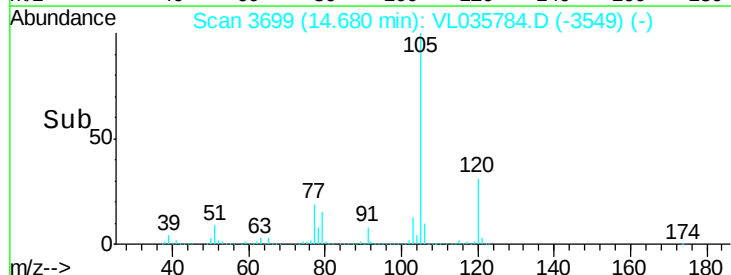
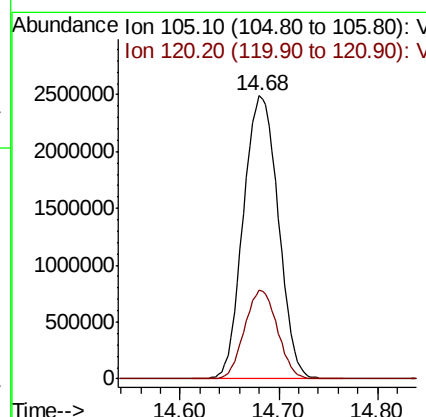
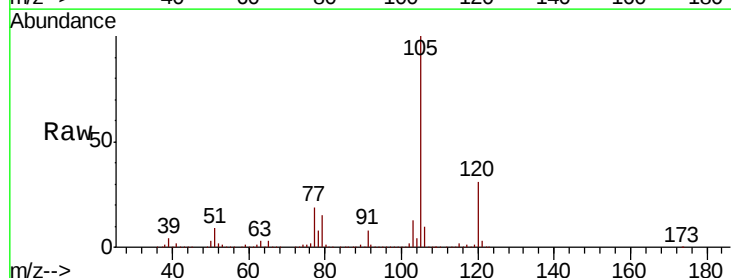
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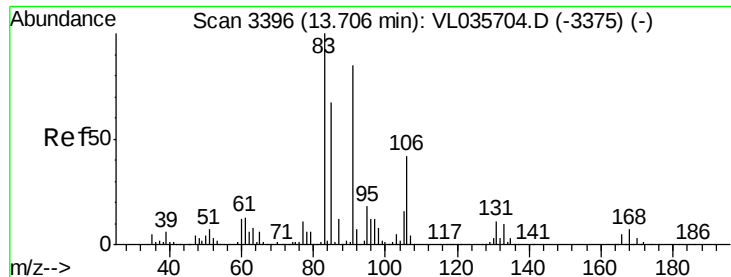
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#62
Isopropylbenzene
Concen: 9.981 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.1	36.1





#63

1,1,2,2-Tetrachloroethane

Concen: 9.129 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 83 Resp: 2953159

Ion Ratio Lower Upper

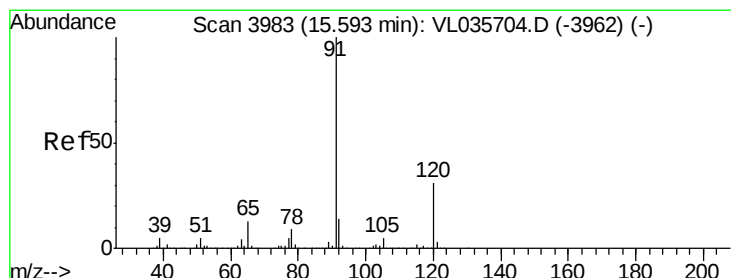
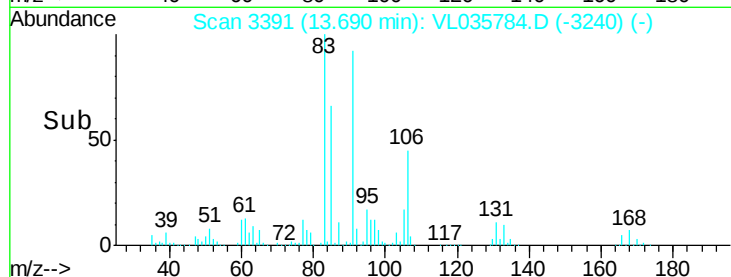
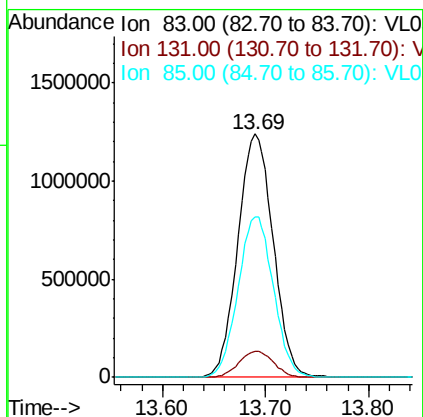
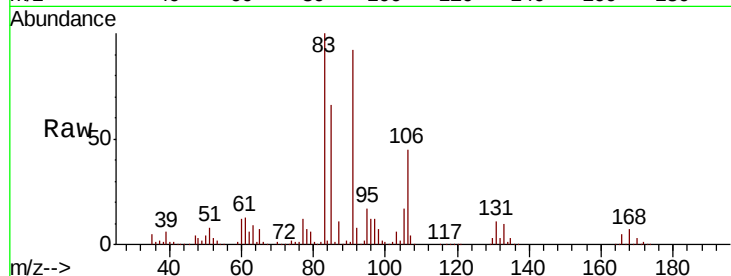
83 100

131 10.6 5.3 16.1

85 66.1 33.4 100.2

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#64

n-propylbenzene

Concen: 10.375 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. -0.02 min

Lab File: VL035784.D

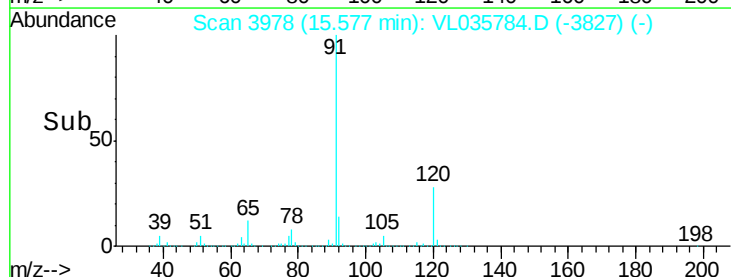
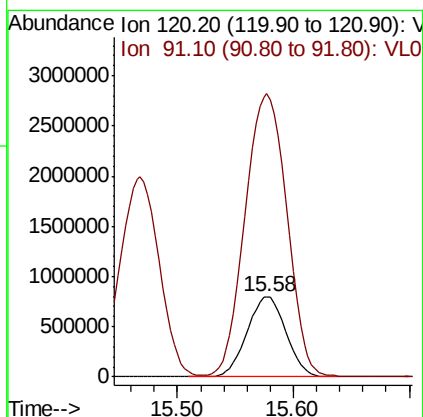
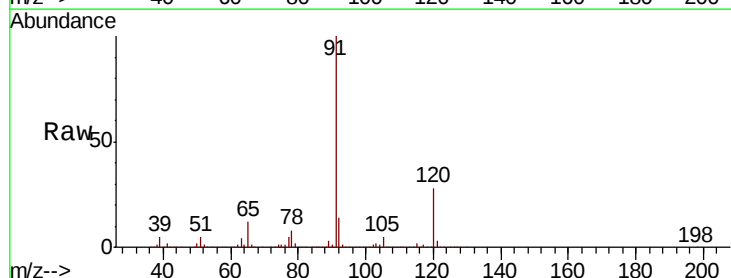
Acq: 16 Oct 2020 13:17

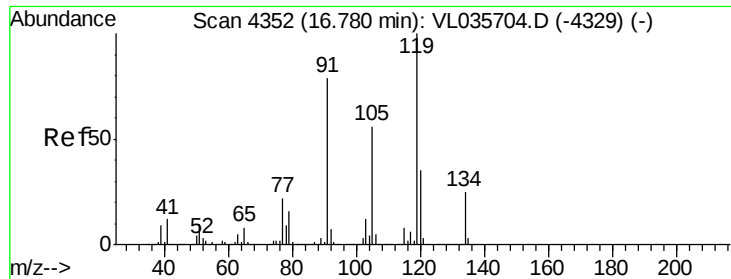
Tgt Ion:120 Resp: 1858044

Ion Ratio Lower Upper

120 100

91 382.1 300.4 450.6





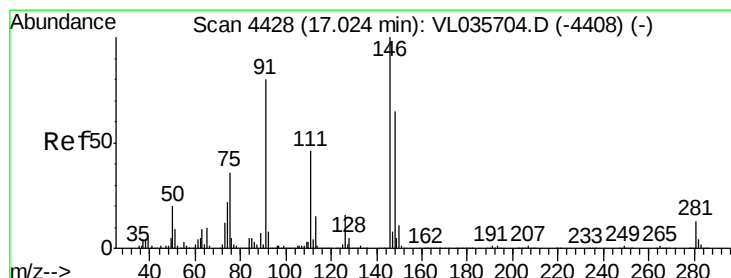
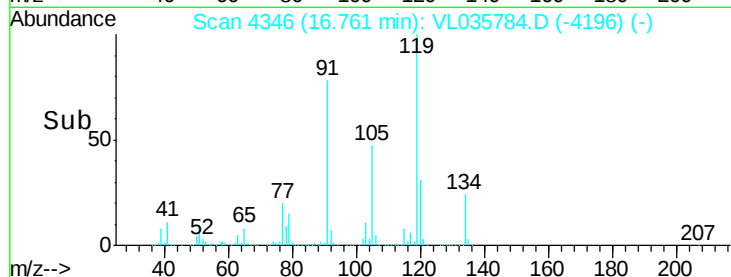
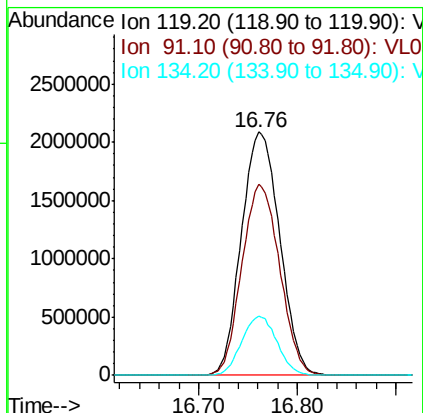
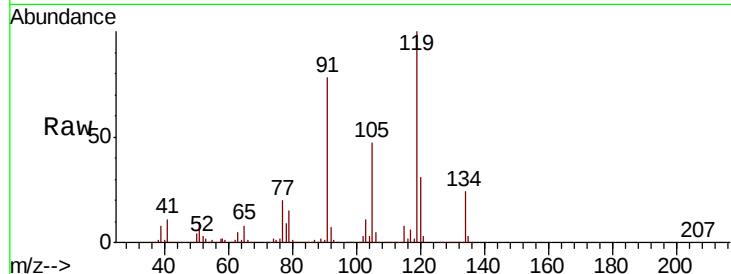
#65
 tert-Butylbenzene
 Concen: 10.101 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tot Ion:119 Resp: 5619846
 Ion Ratio Lower Upper
 119 100
 91 77.4 62.4 93.6
 134 22.4 18.2 27.2

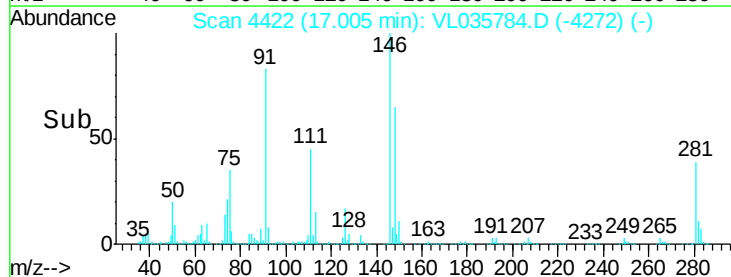
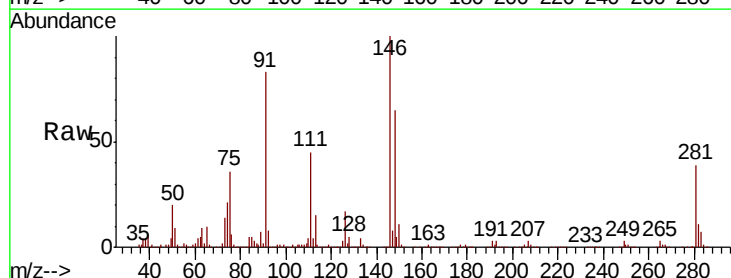
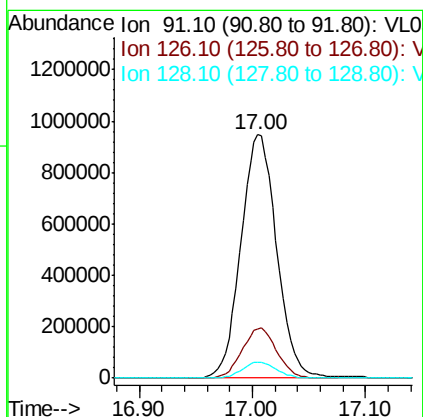
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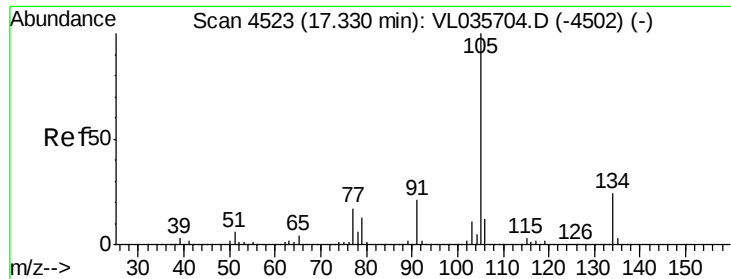
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#66
 Benzyl Chloride
 Concen: 12.315 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion: 91 Resp: 2075893
 Ion Ratio Lower Upper
 91 100
 126 20.1 15.3 22.9
 128 6.3 5.0 7.4





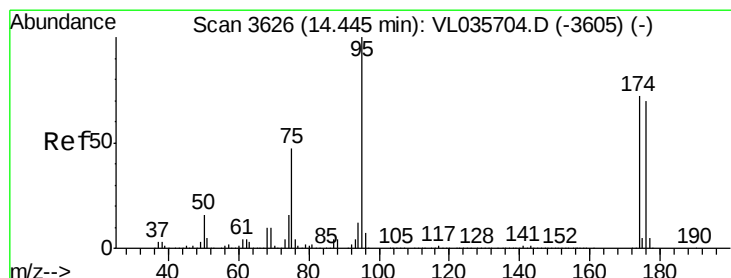
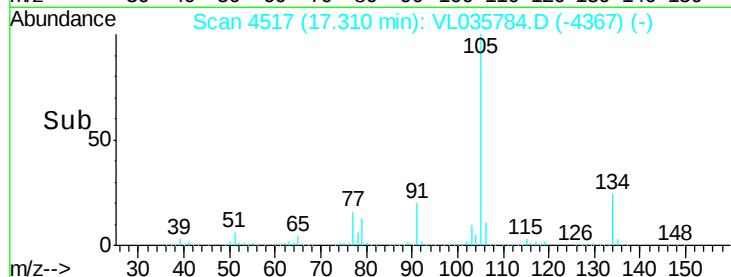
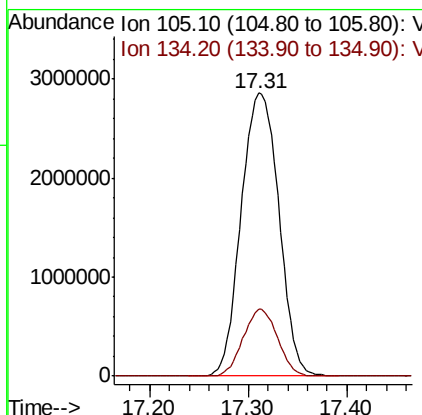
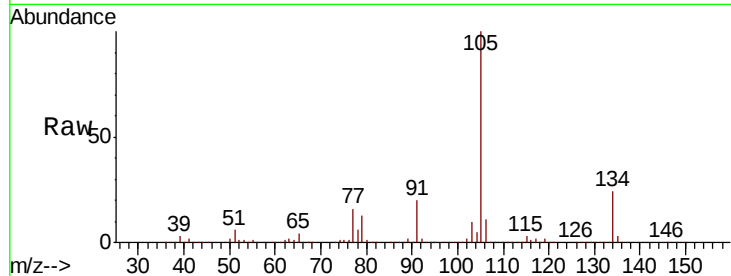
#67
 sec-Butylbenzene
 Concen: 9.833 ppbv
 RT: 17.31 min Scan# 4517
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tot Ion: 105 Resp: 7554901
 Ion Ratio Lower Upper
 105 100
 134 21.6 17.6 26.4

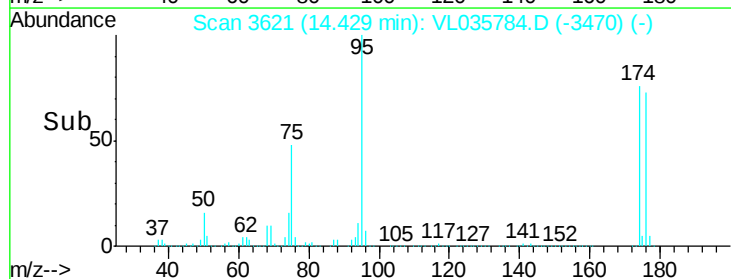
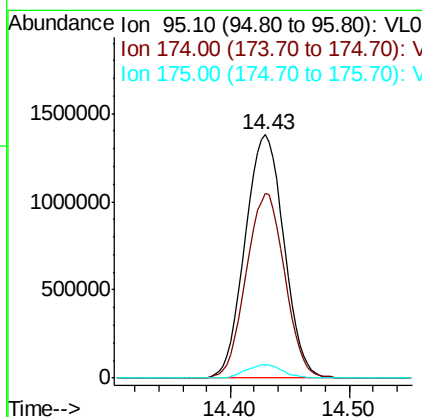
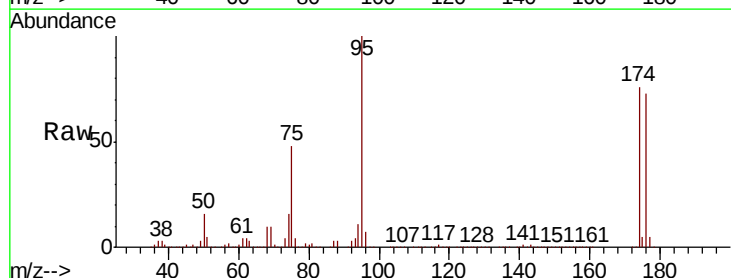
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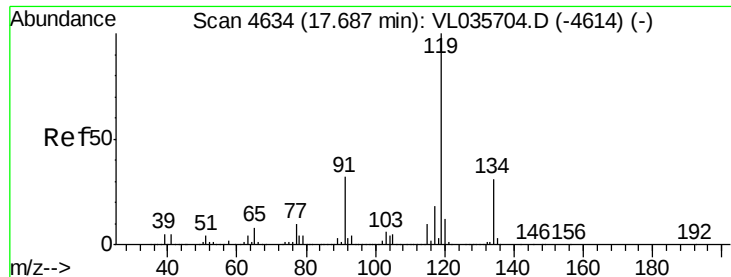
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.361 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion: 95 Resp: 3121004
 Ion Ratio Lower Upper
 95 100
 174 75.7 59.6 89.4
 175 5.4 4.2 6.4





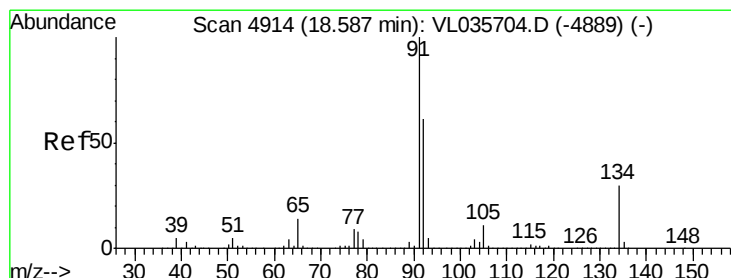
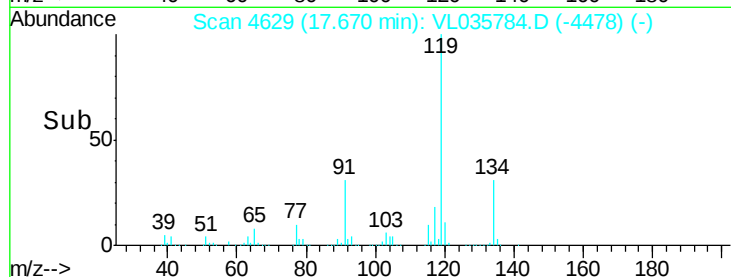
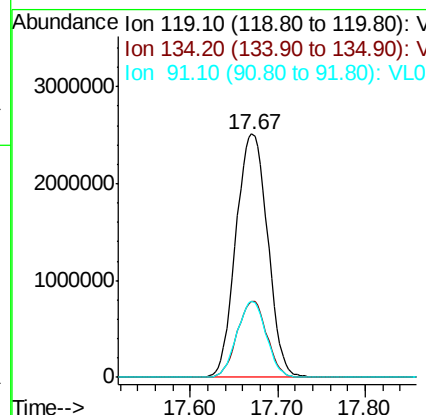
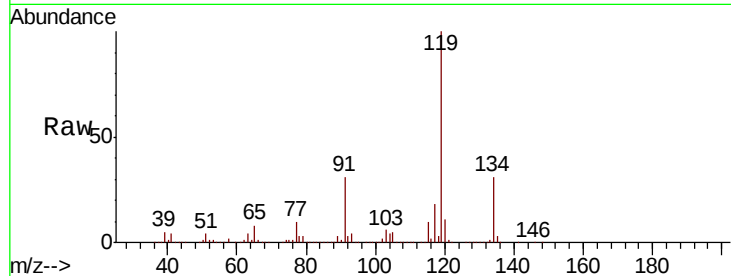
#69
 p-Isopropyltoluene
 Concen: 10.119 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.3	23.9	35.9
91	29.0	23.8	35.6

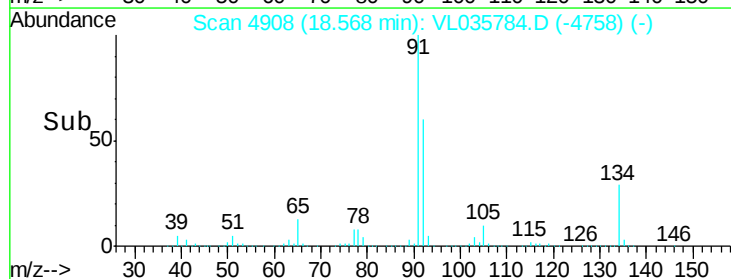
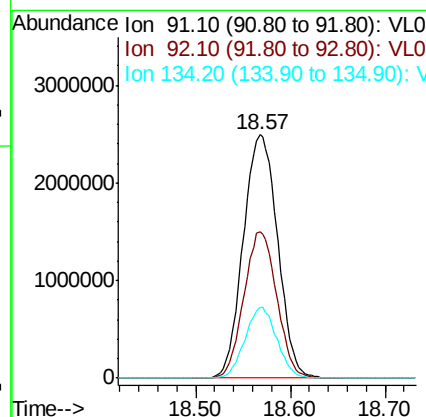
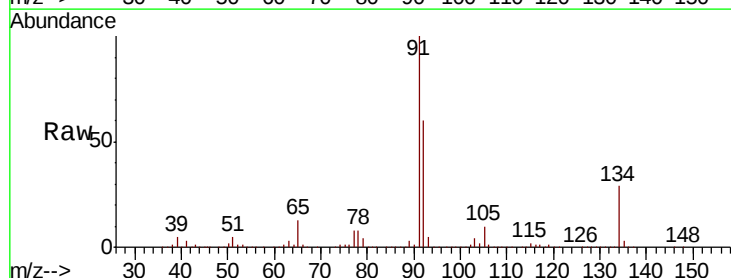
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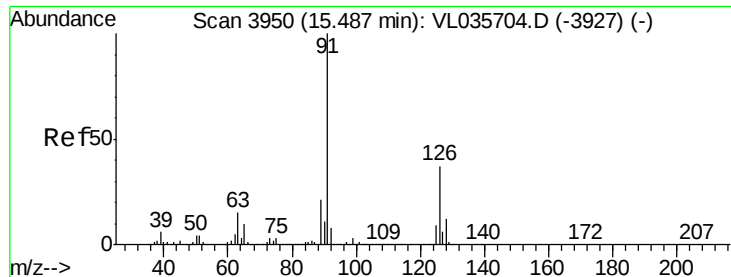
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#70
 n-Butylbenzene
 Concen: 9.767 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	47.0	70.4
134	27.0	21.9	32.9





#71

2-Chlorotoluene

Concen: 10.472 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion: 91 Resp: 4674049

Ion Ratio Lower Upper

91 100

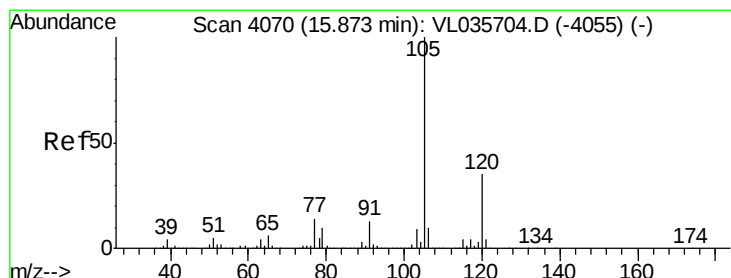
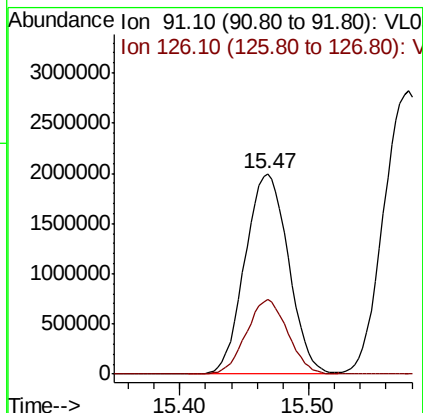
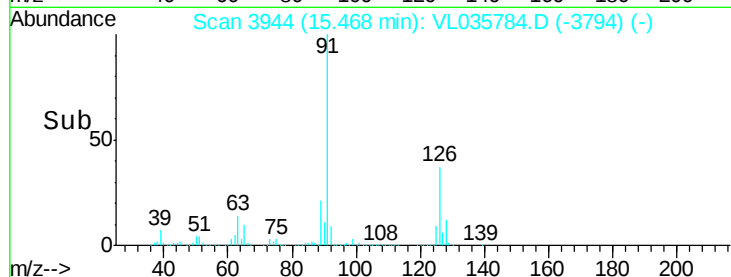
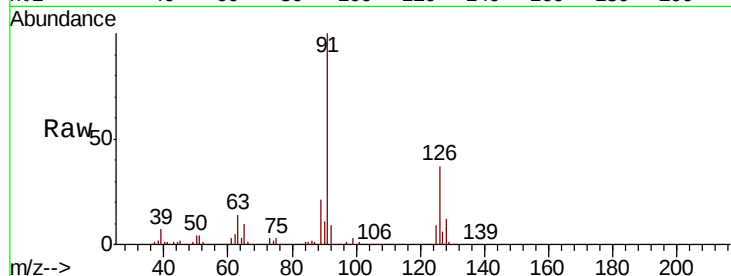
126 35.5 14.4 57.4

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#72

4-Ethyltoluene

Concen: 10.598 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tgt Ion:105 Resp: 4953152

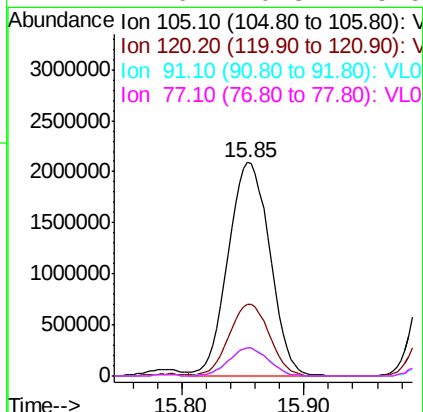
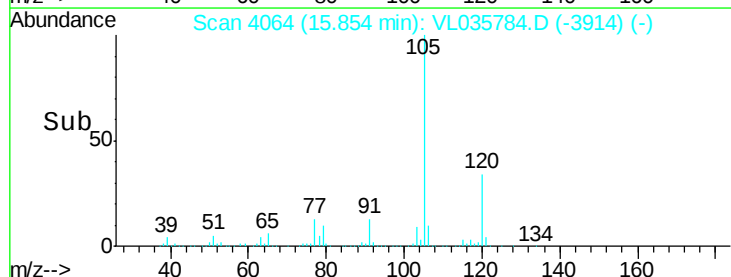
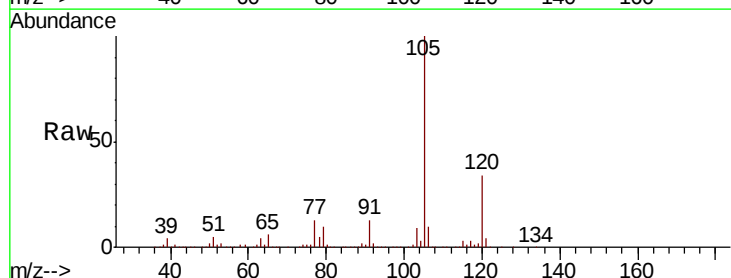
Ion Ratio Lower Upper

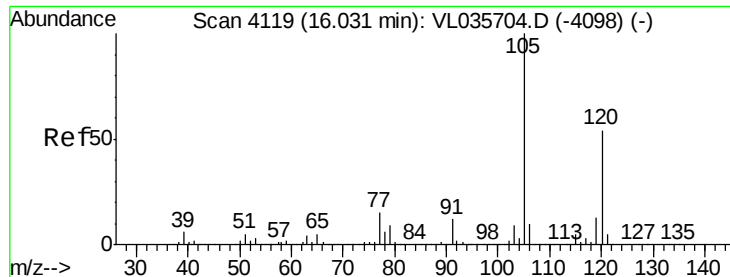
105 100

120 32.8 26.5 39.7

91 12.5 10.2 15.2

77 12.6 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 10.400 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion:105 Resp: 4593154

Ion Ratio Lower Upper

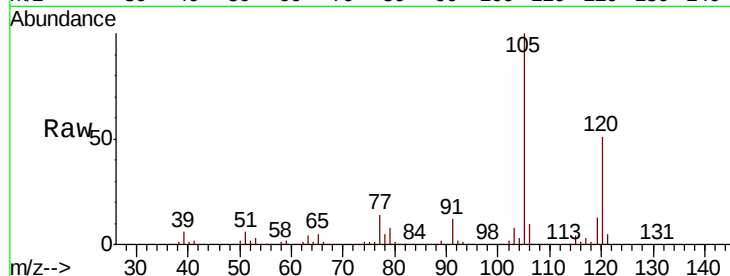
105 100

120 50.9 43.0 64.4

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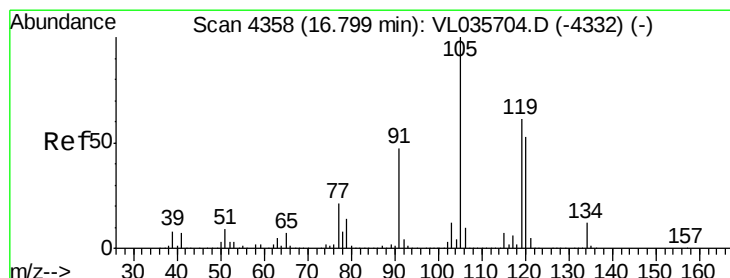
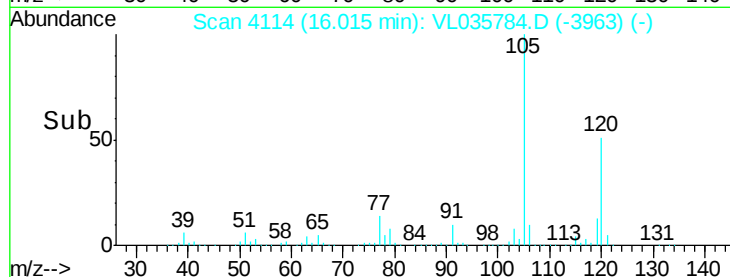
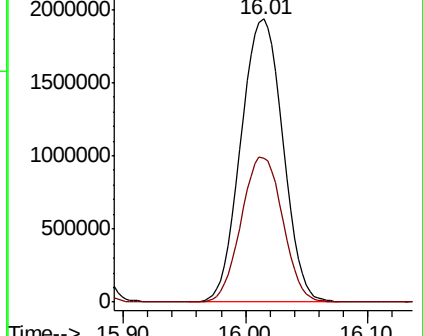
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.602 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Tgt Ion:105 Resp: 4780154

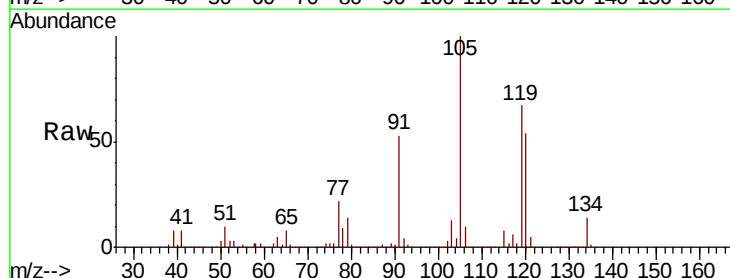
Ion Ratio Lower Upper

105 100

120 53.5 42.5 63.7

91 52.5 37.7 56.5

77 21.8 16.7 25.1

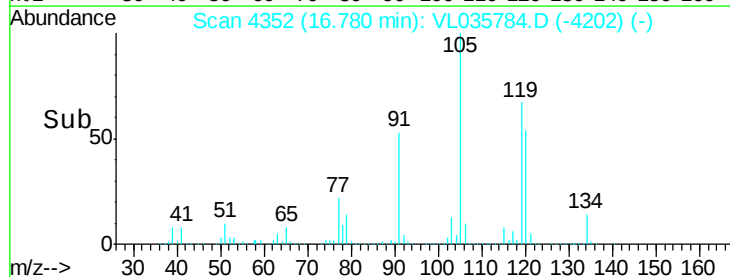
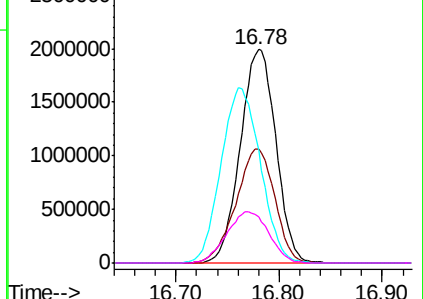


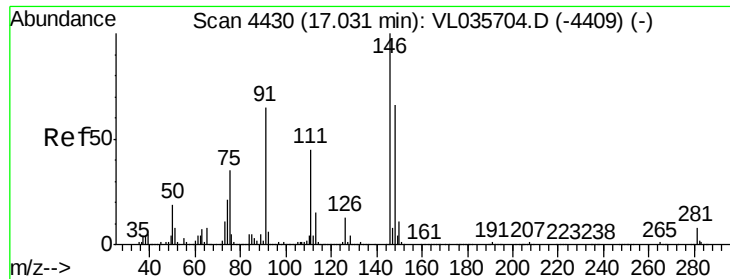
Abundance Ion 105.10 (104.80 to 105.80): V

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





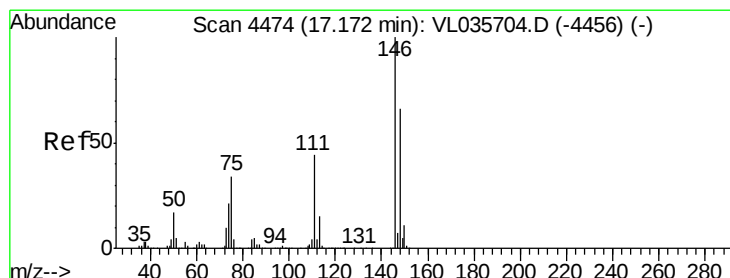
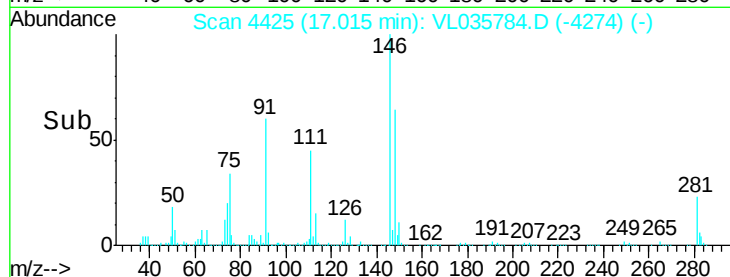
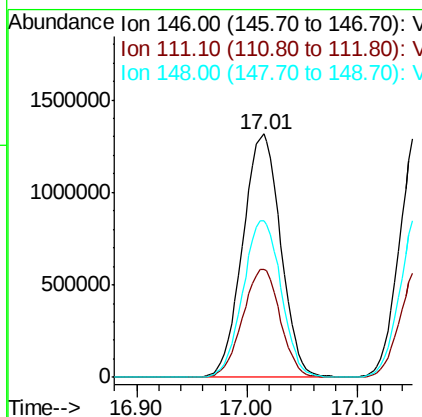
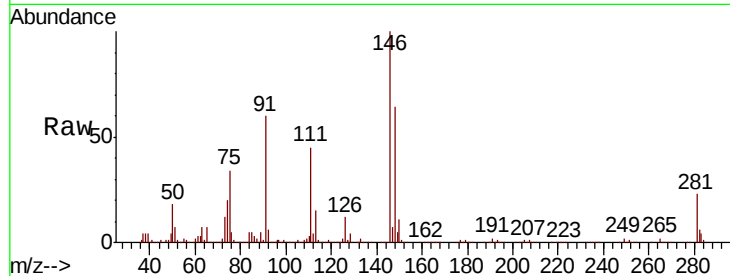
#75
 1,3-Dichlorobenzene
 Concen: 9.225 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.4	67.0
148	65.0	33.0	99.0

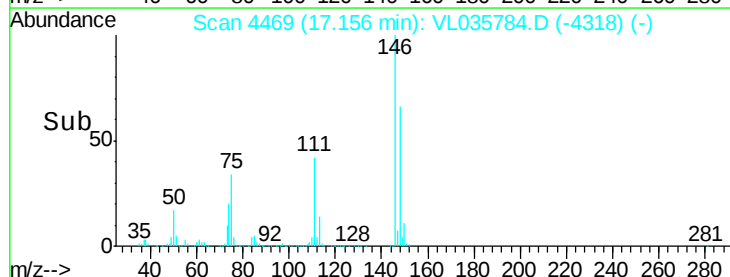
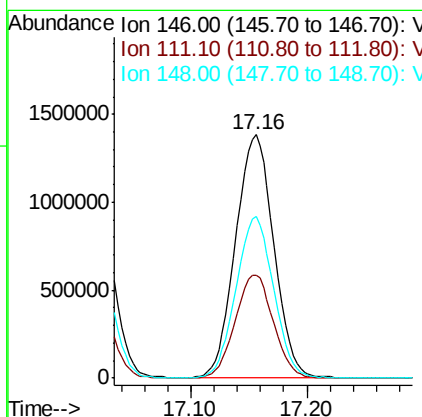
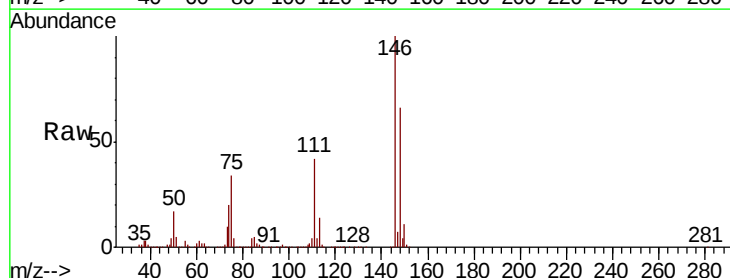
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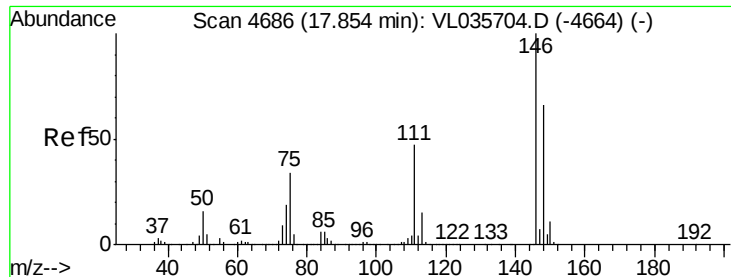
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#76
 1,4-Dichlorobenzene
 Concen: 9.709 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	65.7	32.6	98.0





#77

1,2-Dichlorobenzene

Concen: 9.570 ppbv

RT: 17.83 min Scan# 4680

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

Tot Ion:146 Resp: 3072462

Ion Ratio Lower Upper

146 100

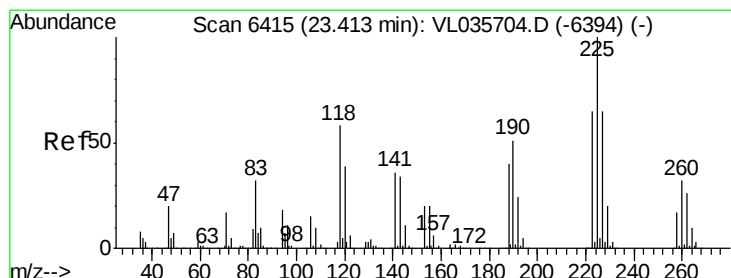
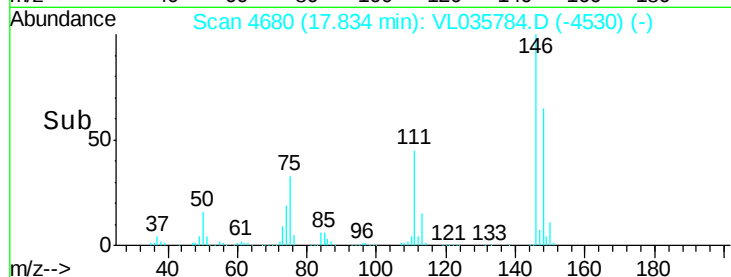
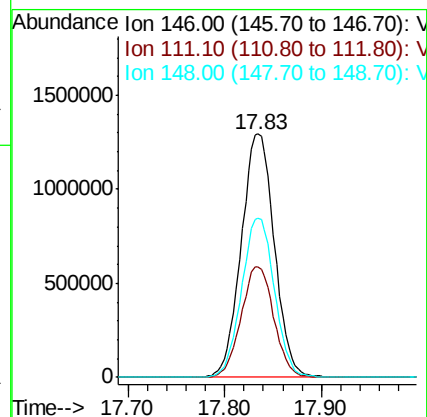
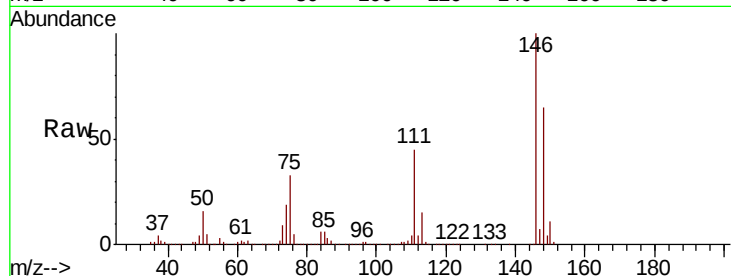
111 45.1 22.9 68.5

148 65.2 32.6 98.0

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#78

Hexachloro-1,3-Butadiene

Concen: 9.367 ppbv

RT: 23.40 min Scan# 6410

Delta R.T. -0.02 min

Lab File: VL035784.D

Acq: 16 Oct 2020 13:17

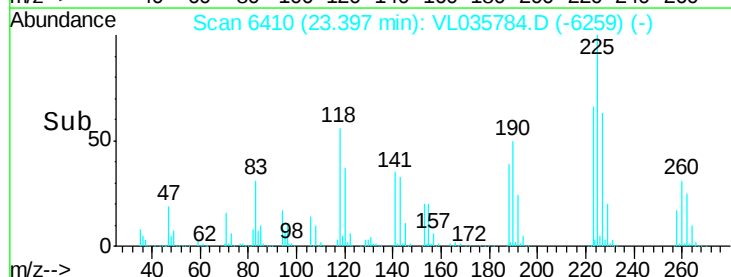
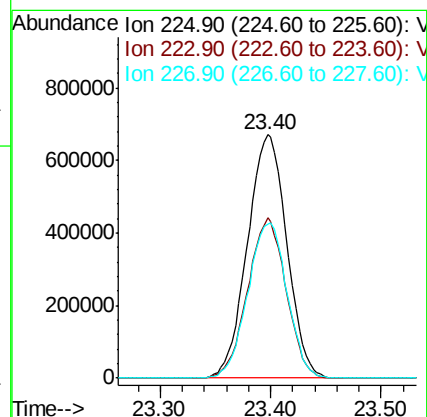
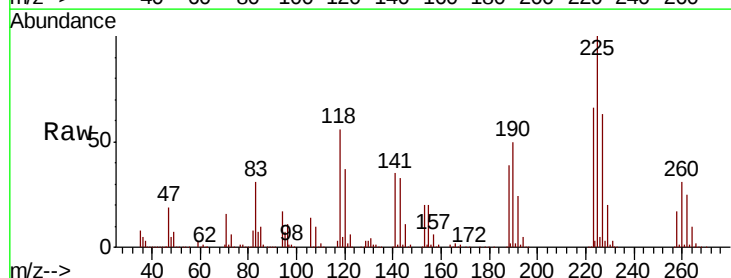
Tgt Ion:225 Resp: 1659151

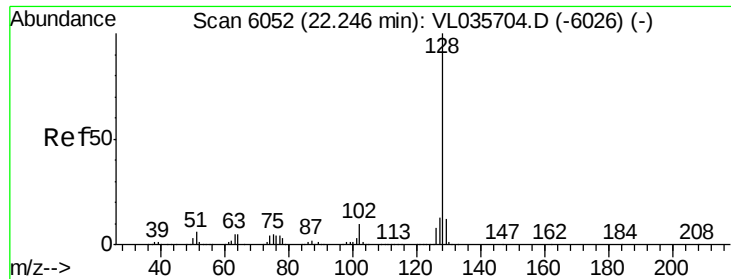
Ion Ratio Lower Upper

225 100

223 64.3 51.3 76.9

227 63.8 51.6 77.4





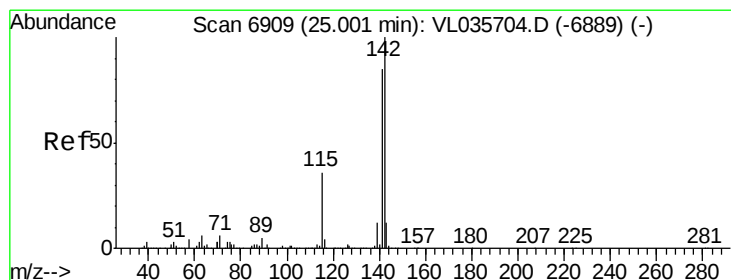
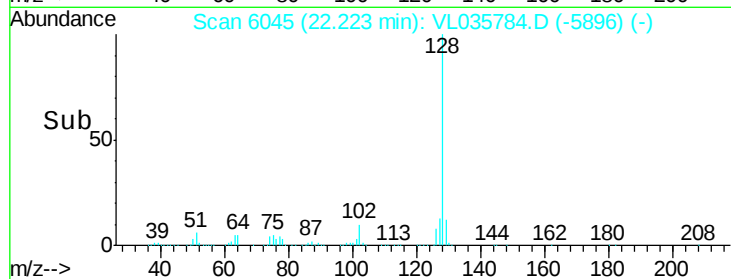
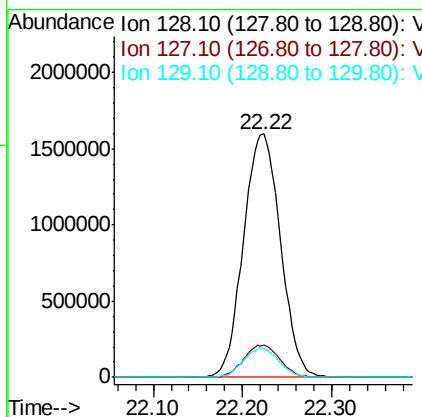
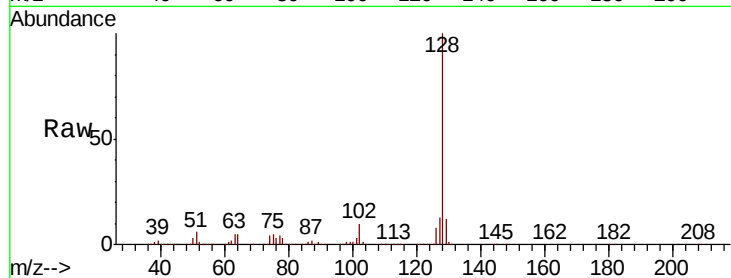
#79
Naphthalene
Concen: 9.693 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. -0.02 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.8	9.4	14.0

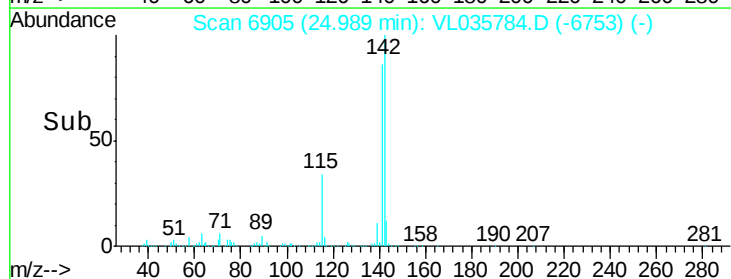
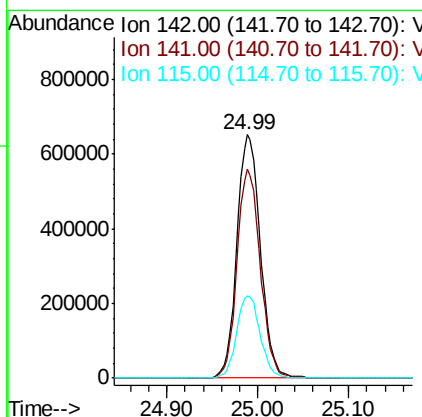
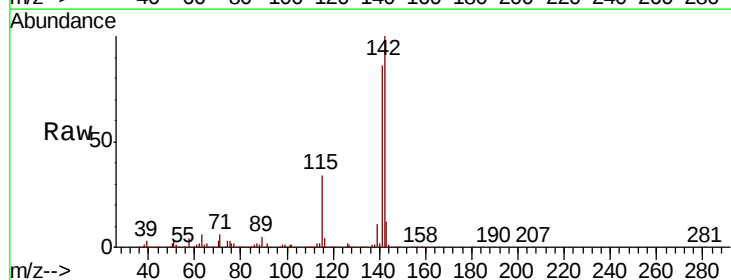
Manual Integrations
APPROVED

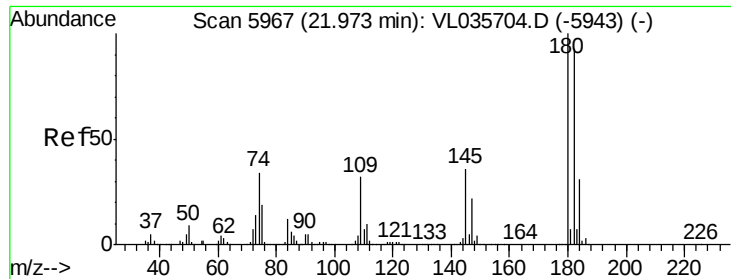
MMDadoda
10/19/2020 11:09:51 AM



#80
Naphthalene, 2-methyl-
Concen: 10.433 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL035784.D
Acq: 16 Oct 2020 13:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.8	68.2	102.4
115	34.1	27.8	41.6





#81
 1,2,4-Trichlorobenzene
 Concen: 9.748 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. -0.02 min
 Lab File: VL035784.D
 Acq: 16 Oct 2020 13:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.2
184	30.9	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:09:51 AM

