

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035806.D
 Acq On : 3 Nov 2020 15:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:35 PM

Quant Time: Nov 04 05:20:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1339011	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	6052721	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5723541m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	4057778	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2204054	8.743	ppbv 99
3) Chlorodifluoromethane	2.98	51	1420226	8.857	ppbv 98
4) Chloromethane	3.13	50	704185	9.040	ppbv 99
5) Vinyl Chloride	3.25	62	944619	9.513	ppbv 100
6) Bromomethane	3.46	94	788544	9.874	ppbv 99
7) Chloroethane	3.55	64	345007	9.872	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2581569	8.948	ppbv 100
9) Propene	3.00	41	535270	9.120	ppbv 99
10) Heptane	8.12	43	1460213	9.008	ppbv 95
11) Trichlorofluoromethane	3.94	101	2685929	8.485	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2051261	8.703	ppbv 95
13) Ethanol	3.60	45	143845	11.297	ppbv 96
14) Bromoethene	3.73	108	1034385	9.537	ppbv 99
15) Acetone	3.84	43	1193626	8.338	ppbv 97
16) 1,3-Butadiene	3.31	39	554808	9.002	ppbv 94
17) tert-Butyl alcohol	4.29	59	2146178	11.313	ppbv 100
18) 1,1-Dichloroethene	4.28	96	1016767	9.396	ppbv 98
19) Isopropyl Alcohol	3.96	45	1013230	11.518	ppbv # 95
20) Methylene Chloride	4.33	84	832563	8.262	ppbv 98
21) Allyl Chloride	4.40	41	759045	9.805	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	1012024	9.226	ppbv 96
23) Vinyl Acetate	5.07	43	1795579	8.948	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1759151	9.202	ppbv 99
25) Ethyl Acetate	5.67	43	2469510	8.757	ppbv 98
26) Hexane	5.68	57	1402557	9.018	ppbv 95
27) Carbon Disulfide	4.54	76	2310989	9.917	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2660864	9.527	ppbv 98
29) Chloroform	5.75	83	2798505	9.155	ppbv 100
30) Cyclohexane	7.12	84	1685008	9.947	ppbv 91
31) cis-1,2-Dichloroethene	5.54	61	1513097	9.457	ppbv 93
32) 1,1,1-Trichloroethane	6.50	97	2818973	8.837	ppbv 99
34) 2-Butanone	5.24	43	1585288	8.070	ppbv 93
35) Carbon Tetrachloride	7.01	117	2787147	8.618	ppbv 99
36) Benzene	6.89	78	3906496	8.681	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1747999	8.575	ppbv 97
38) Trichloroethene	7.83	130	1832474	8.337	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1296916	8.561	ppbv 94
40) 1,4-Dioxane	7.83	88	698712	9.731	ppbv 68
41) Tetrahydrofuran	6.04	42	953816	8.547	ppbv 88
42) Bromodichloromethane	7.79	83	3093893	8.995	ppbv 99
43) Methyl Methacrylate	8.01	69	1597121	9.305	ppbv 90

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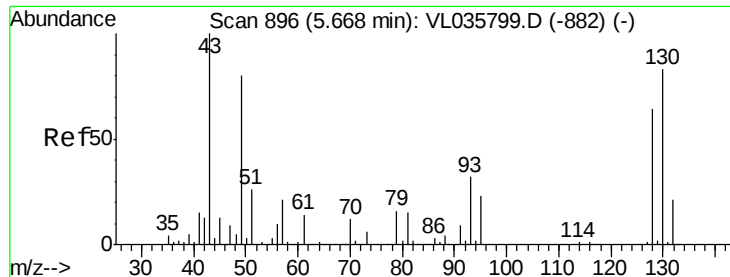
Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:35 PM

Quant Time: Nov 04 05:20:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4792225	8.048	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1881422	10.340	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	2236204	9.705	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	1800572	8.723	ppbv	99
48) Dibromochloromethane	10.30	129	2914767	9.243	ppbv	99
49) Bromoform	13.04	173	2488325	9.351	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2435271	8.107	ppbv	93
51) 2-Hexanone	10.13	43	2067962	8.570	ppbv #	93
52) Tetrachloroethene	11.22	164	1690404	7.929	ppbv	96
53) Toluene	9.80	91	4778221	8.800	ppbv	98
54) 1,2-Dibromoethane	10.61	107	2813708	8.963	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	2236544	8.706	ppbv	98
57) Chlorobenzene	12.15	112	3875380	8.516	ppbv	100
58) Ethyl Benzene	12.71	91	6029734	8.650	ppbv	96
59) m/p-Xylene	13.00	91	9895502m	16.778	ppbv	
60) o-Xylene	13.69	91	4784994	8.340	ppbv	98
61) Styrene	13.53	104	4026741	9.579	ppbv	98
62) Isopropylbenzene	14.67	105	7262534	8.054	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	3374457	7.591	ppbv	100
64) n-propylbenzene	15.56	120	2279086	8.744	ppbv	89
65) tert-Butylbenzene	16.75	119	6512029	7.934	ppbv	97
66) Benzyl Chloride	16.99	91	2854523	10.521	ppbv	96
67) sec-Butylbenzene	17.30	105	8611418	7.785	ppbv	97
69) p-Isopropyltoluene	17.66	119	7400900	8.108	ppbv	98
70) n-Butylbenzene	18.55	91	7148513	8.132	ppbv	97
71) 2-Chlorotoluene	15.46	91	5577155	8.456	ppbv	96
72) 4-Ethyltoluene	15.84	105	5941101	8.538	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	5436932	8.538	ppbv	96
74) 1,2,4-Trimethylbenzene	16.77	105	5457032	7.998	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3604663	8.297	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3619697	8.637	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3567260	8.423	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1626864	8.233	ppbv	100
79) Naphthalene	22.20	128	5202383	10.938	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1560503	20.132	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2573500	9.684	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 49 Resp: 1339011

Ion Ratio Lower Upper

49 100

128 92.3 41.5 124.6

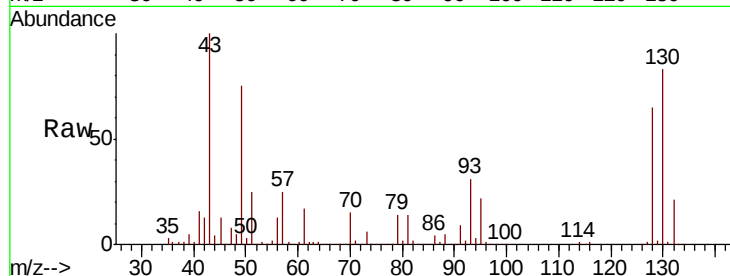
130 117.6 53.7 161.1

Manual Integrations

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

800000

600000

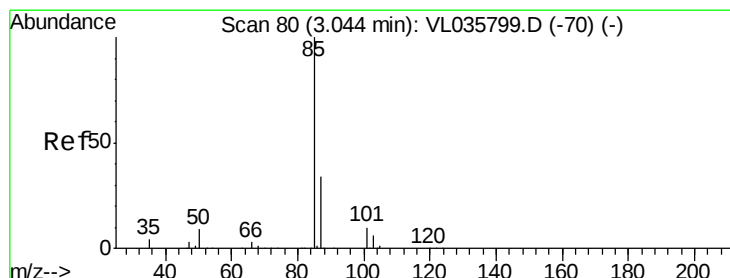
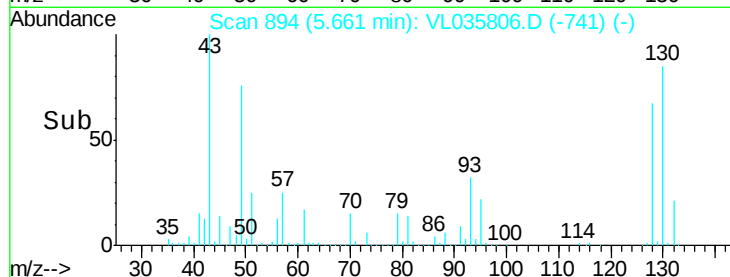
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 8.743 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL035806.D

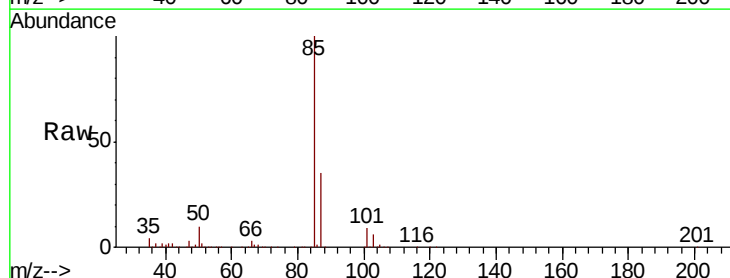
Acq: 3 Nov 2020 15:15

Tgt Ion: 85 Resp: 2204054

Ion Ratio Lower Upper

85 100

87 34.5 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

1500000

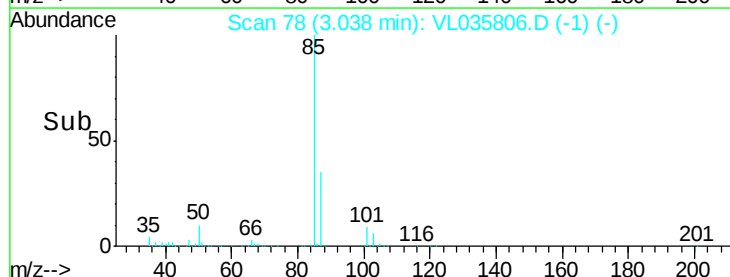
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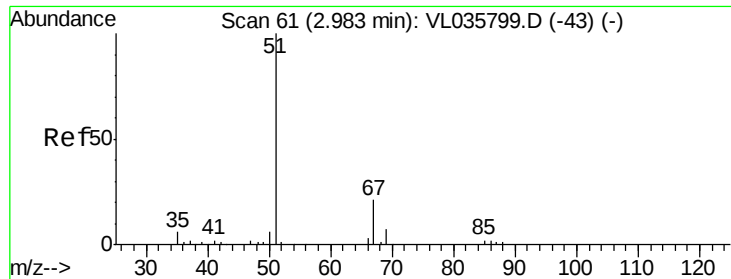
500000

0

3.00 3.10

Time-->





#3

Chlorodifluoromethane

Concen: 8.857 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tot Ion: 51 Resp: 1420226

Ion Ratio Lower Upper

51 100

67 22.1 17.0 25.4

Instrument :

MSVOA_L

ClientSampleId :

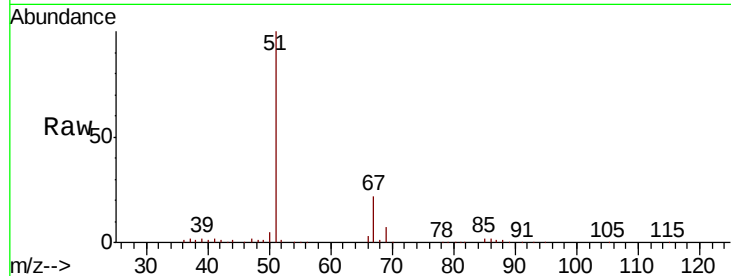
ICVVL110320

Manual Integrations

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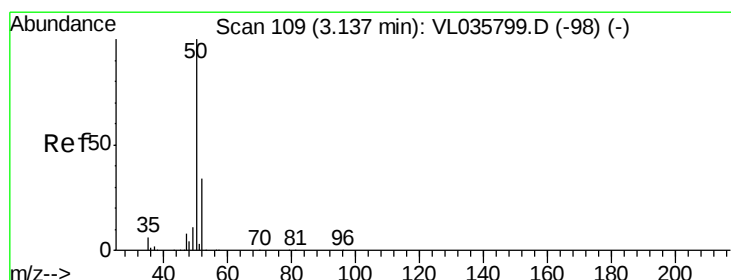
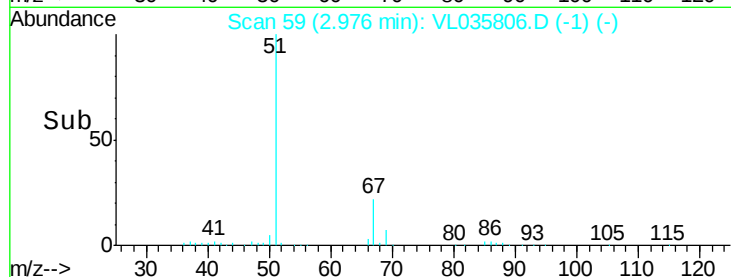
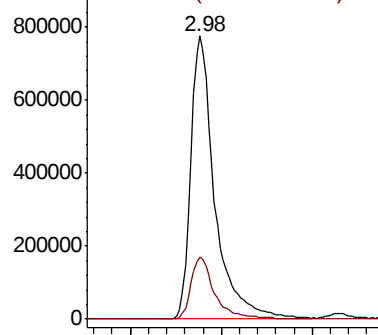
MMDadoda

11/5/2020 2:13:35 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.040 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035806.D

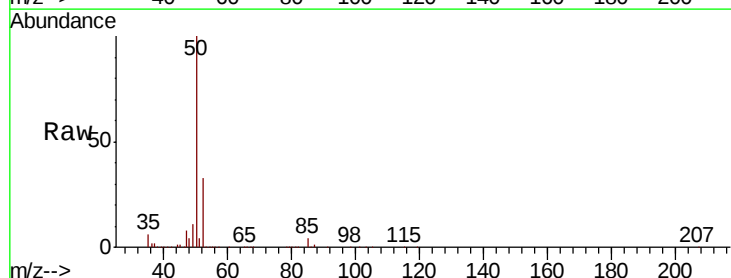
Acq: 3 Nov 2020 15:15

Tgt Ion: 50 Resp: 704185

Ion Ratio Lower Upper

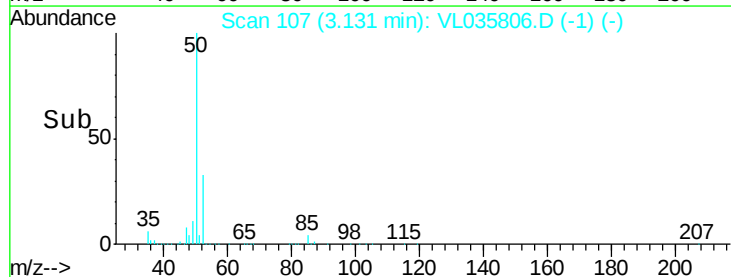
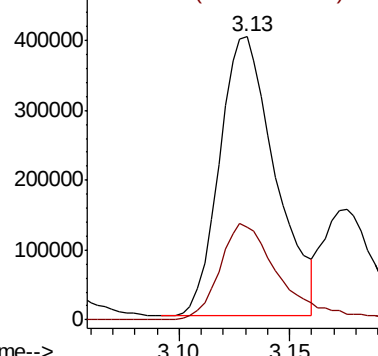
50 100

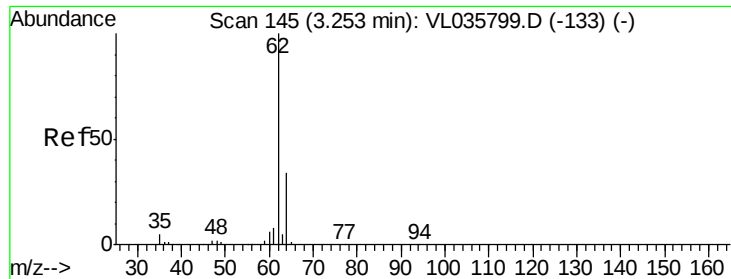
52 33.3 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.513 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 62 Resp: 944619

Ion Ratio Lower Upper

62 100

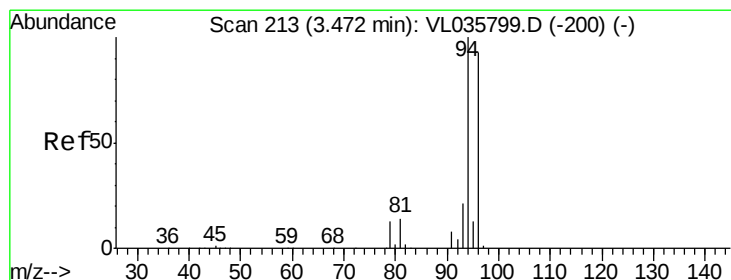
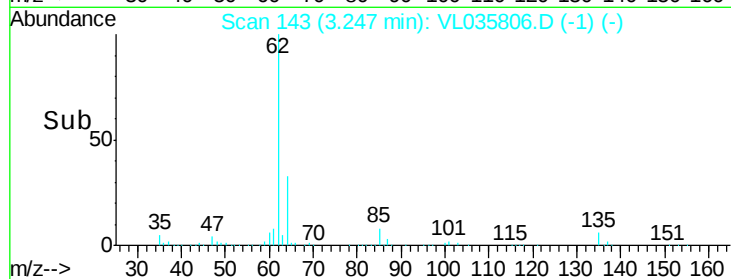
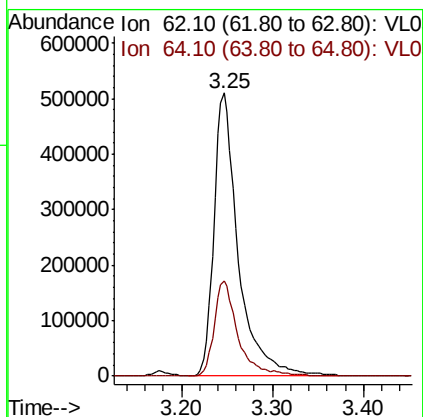
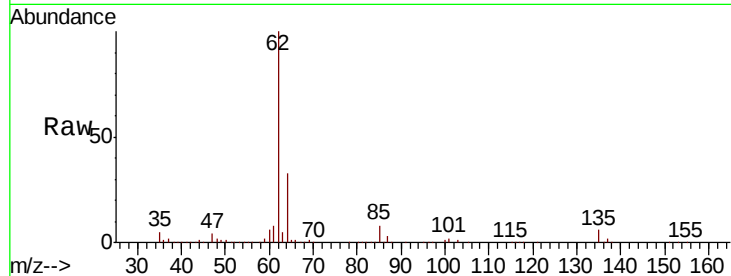
64 33.5 26.9 40.3

Manual Integrations

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#6

Bromomethane

Concen: 9.874 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL035806.D

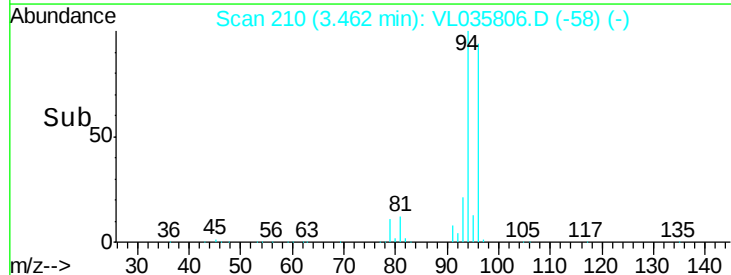
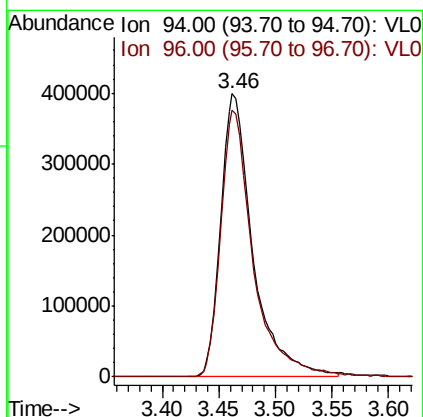
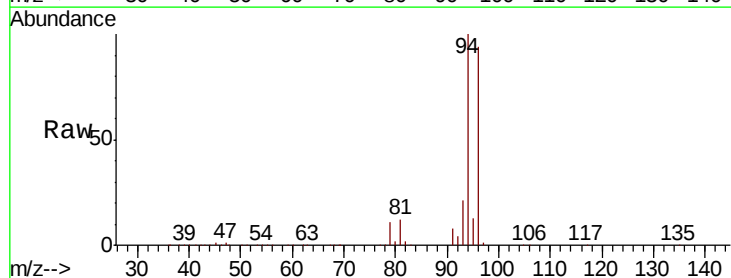
Acq: 3 Nov 2020 15:15

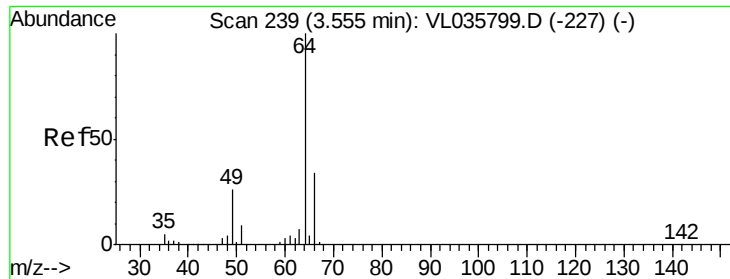
Tgt Ion: 94 Resp: 788544

Ion Ratio Lower Upper

94 100

96 94.3 74.6 111.8





#7

Chloroethane

Concen: 9.872 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 64 Resp: 345007

Ion Ratio Lower Upper

64 100

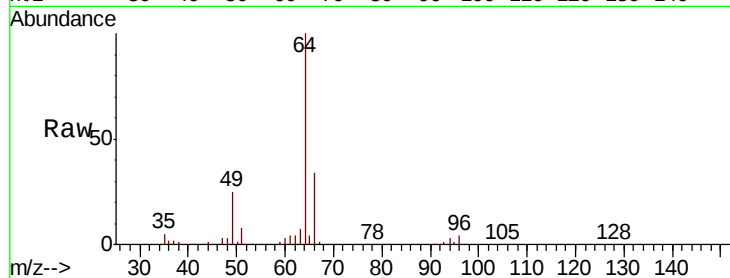
66 34.3 27.0 40.6

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

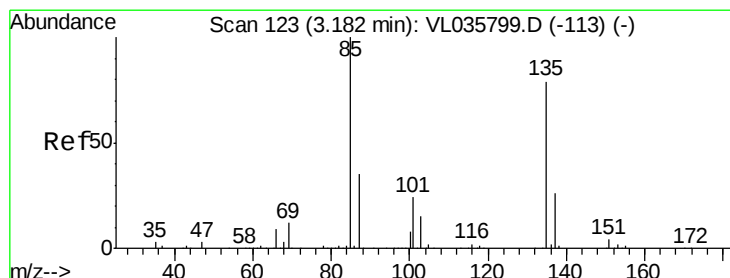
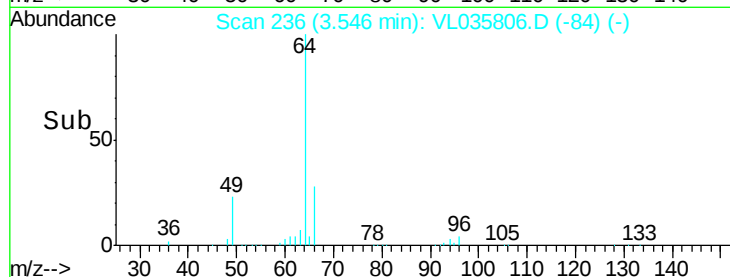
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100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.948 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035806.D

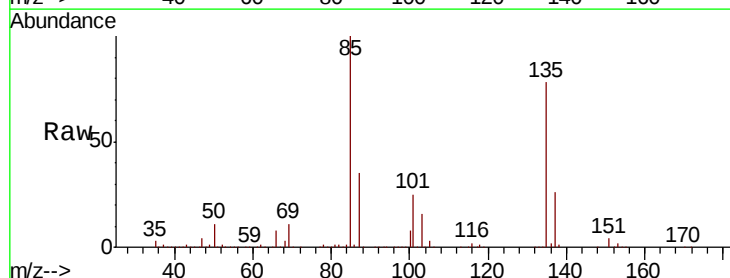
Acq: 3 Nov 2020 15:15

Tgt Ion: 85 Resp: 2581569

Ion Ratio Lower Upper

85 100

135 80.4 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

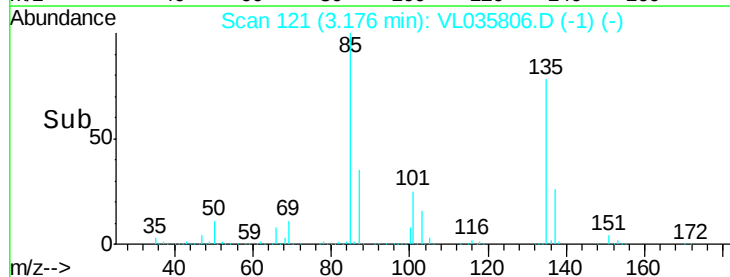
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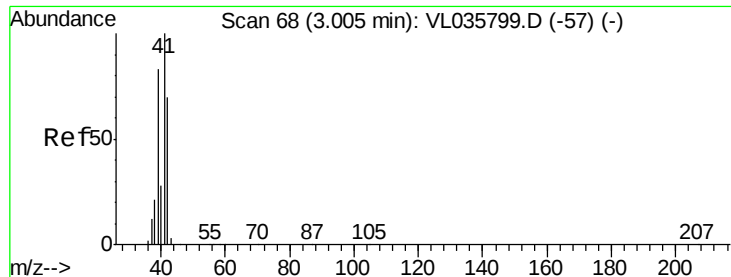
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Time-->





#9

Propene

Concen: 9.120 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 41 Resp: 535270

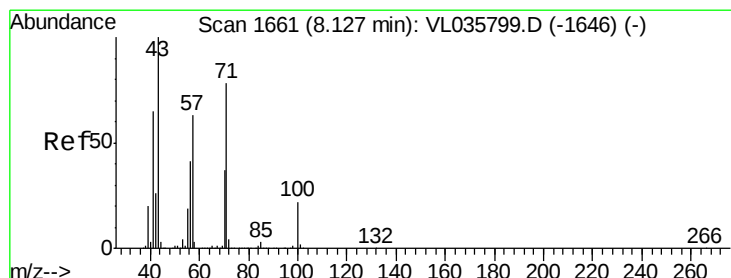
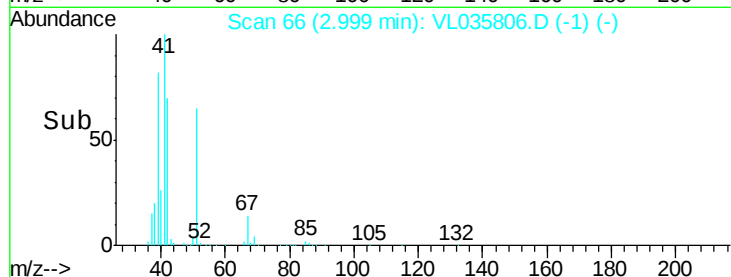
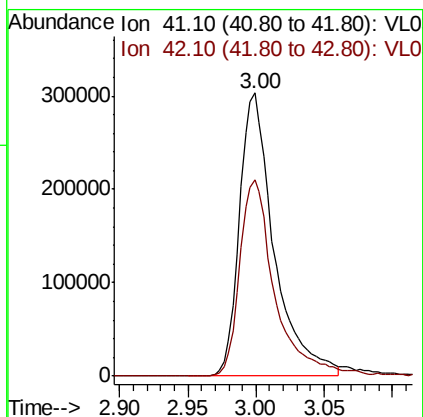
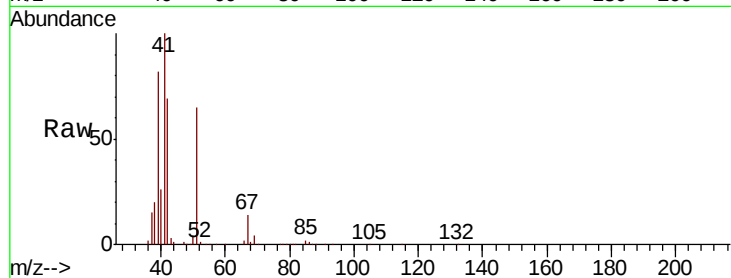
Ion Ratio Lower Upper

41 100

42 71.3 56.2 84.4

Manual Integrations
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#10

Heptane

Concen: 9.008 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035806.D

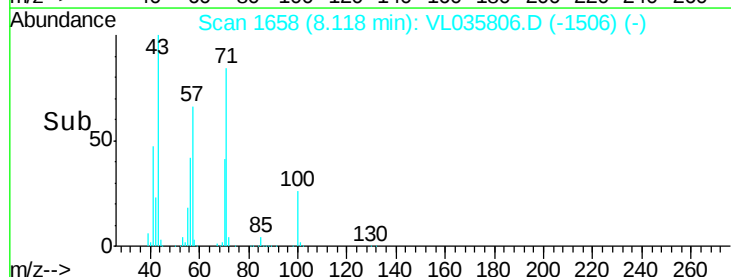
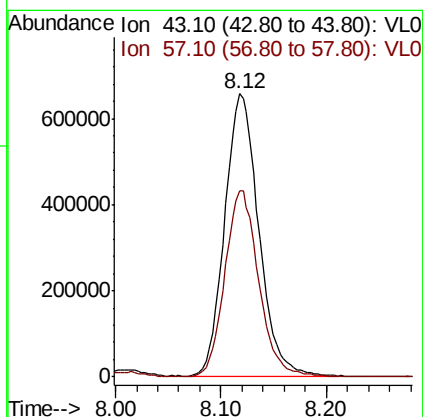
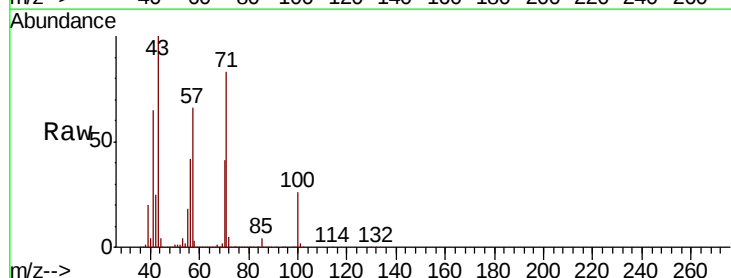
Acq: 3 Nov 2020 15:15

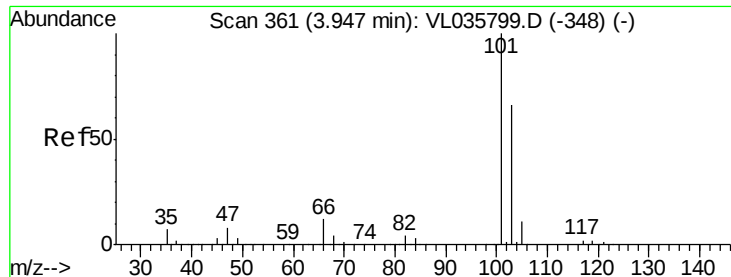
Tgt Ion: 43 Resp: 1460213

Ion Ratio Lower Upper

43 100

57 66.2 50.0 75.0





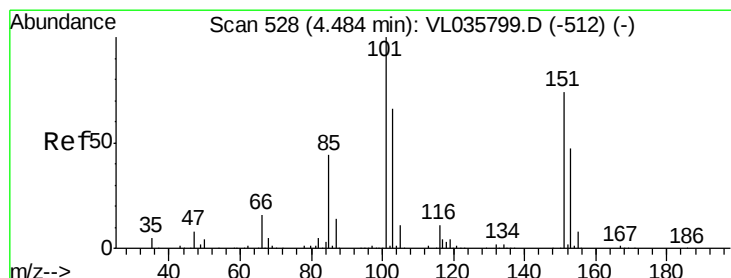
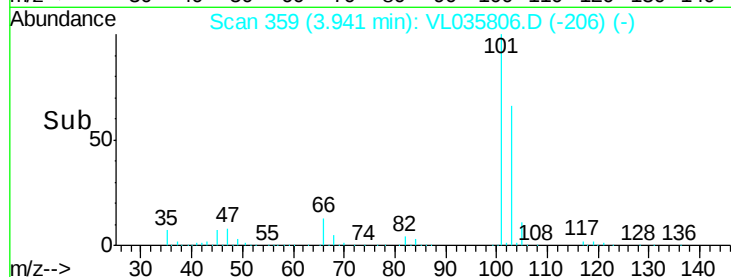
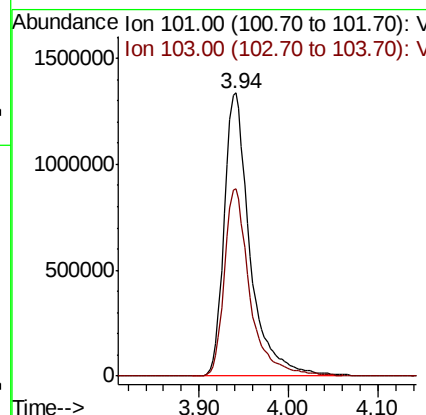
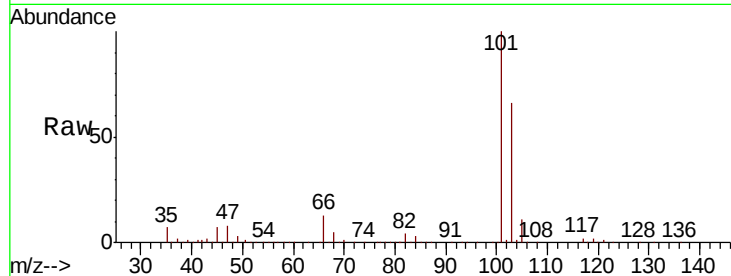
#11
 Trichlorofluoromethane
 Concen: 8.485 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Tot Ion:101 Resp: 2685929
 Ion Ratio Lower Upper
 101 100
 103 66.1 53.0 79.4

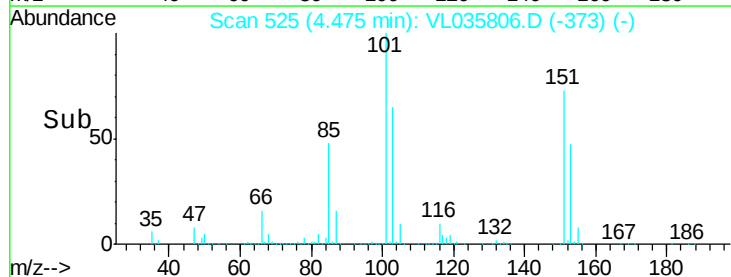
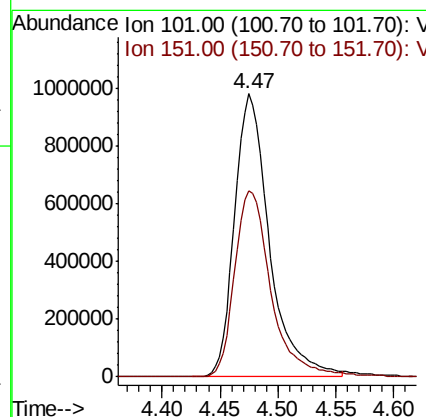
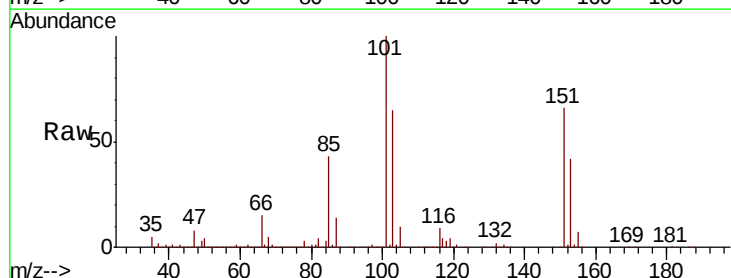
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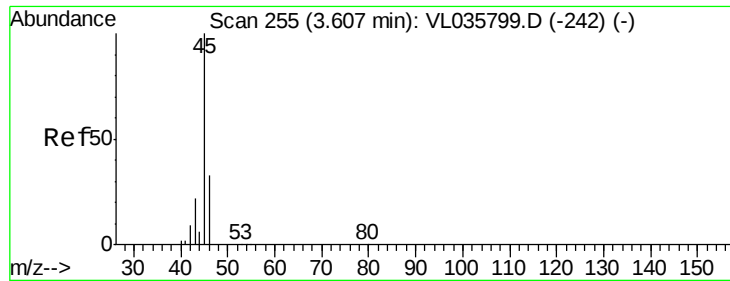
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.703 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion:101 Resp: 2051261
 Ion Ratio Lower Upper
 101 100
 151 69.2 58.9 88.3





#13

Ethanol

Concen: 11.297 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 45 Resp: 143845

Ion Ratio Lower Upper

45 100

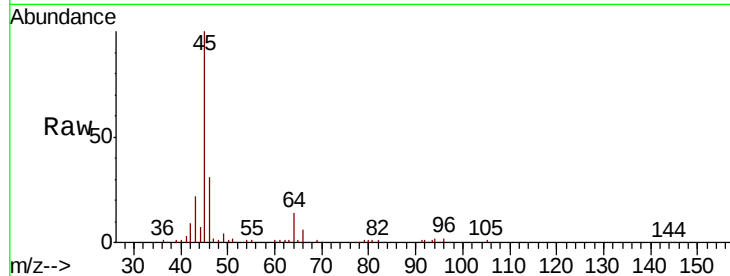
46 37.6 16.1 64.5

Manual Integrations

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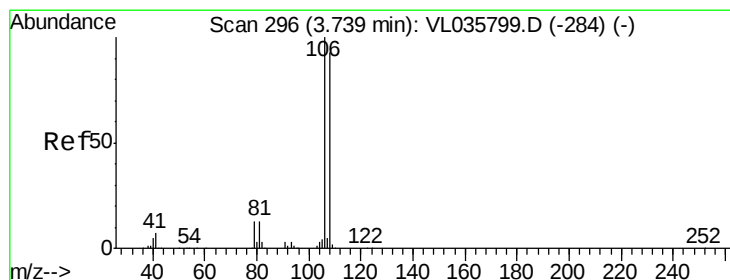
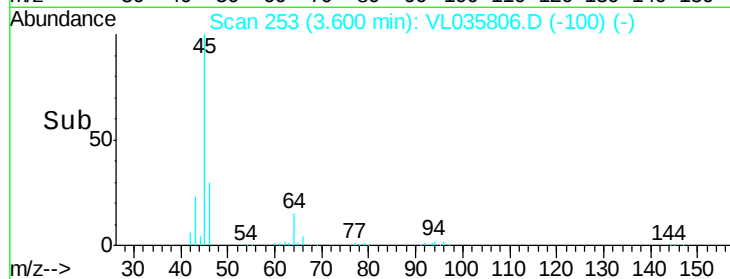
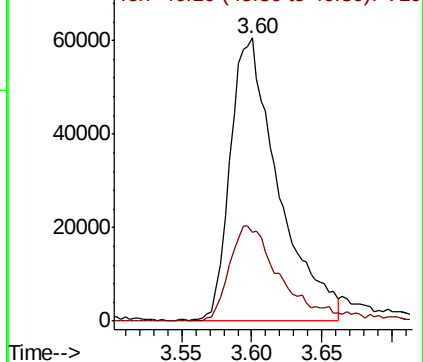
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.537 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

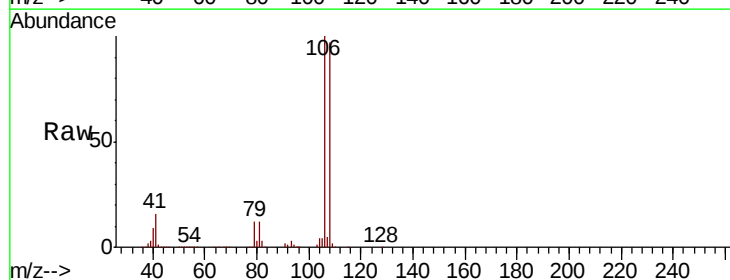
Tgt Ion: 108 Resp: 1034385

Ion Ratio Lower Upper

108 100

106 107.1 85.3 127.9

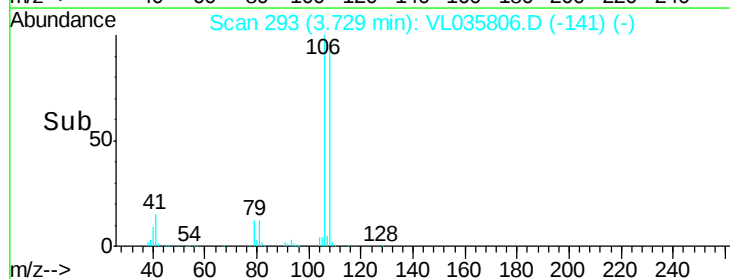
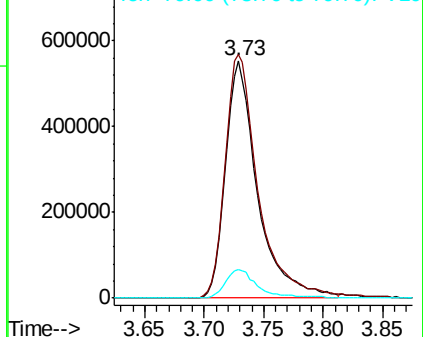
79 12.1 11.6 17.4

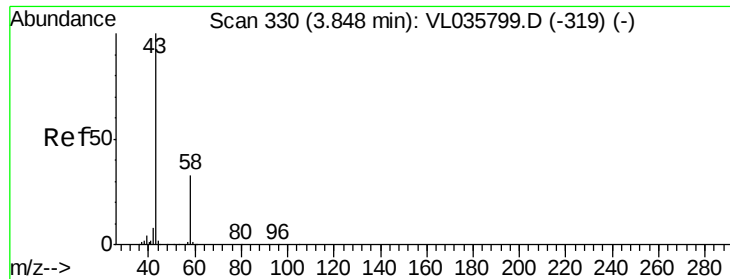


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





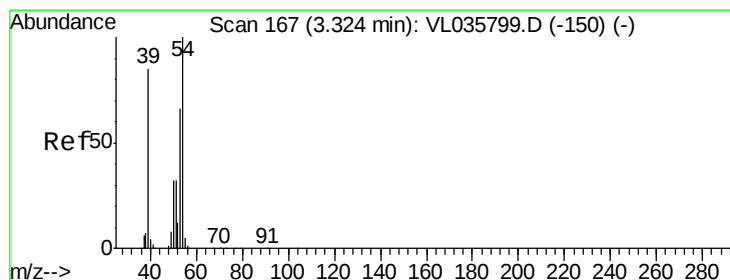
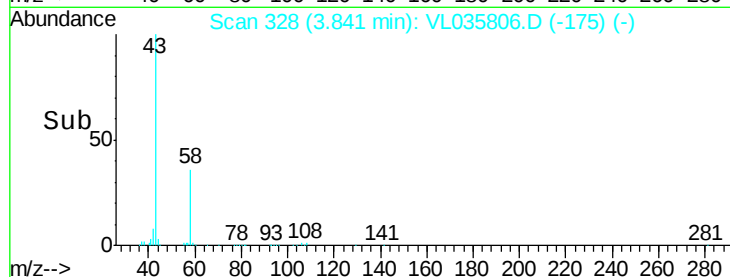
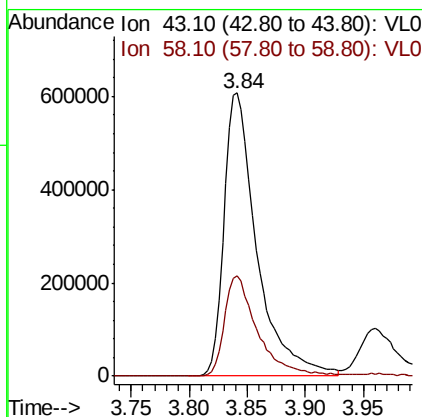
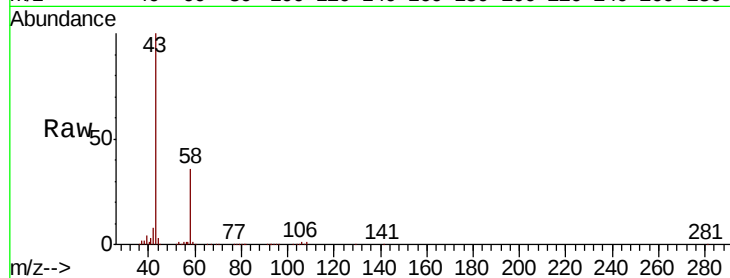
#15
Acetone
Concen: 8.338 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

Tot Ion: 43 Resp: 1193626
Ion Ratio Lower Upper
43 100
58 35.9 27.5 41.3

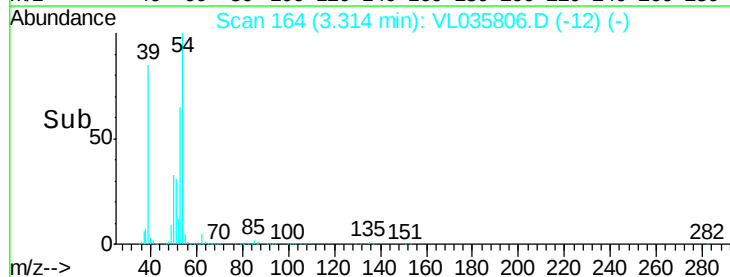
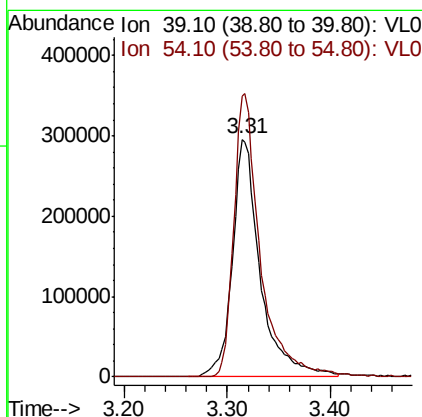
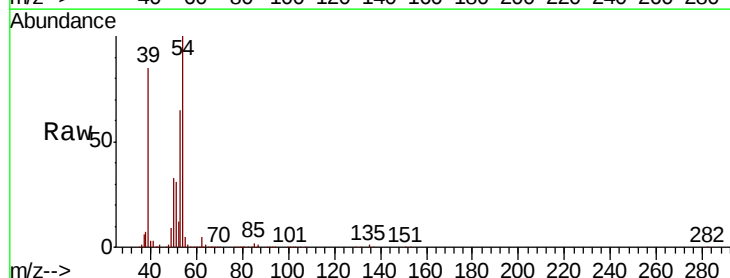
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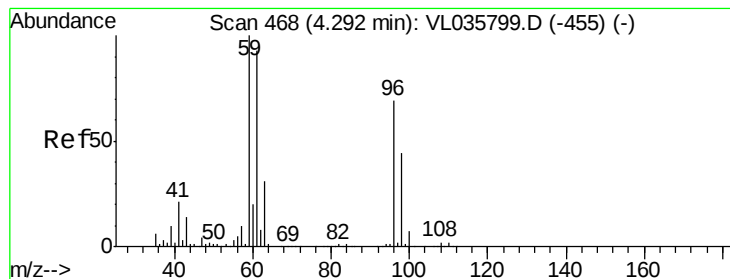
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#16
1,3-Butadiene
Concen: 9.002 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 39 Resp: 554808
Ion Ratio Lower Upper
39 100
54 115.4 87.1 130.7





#17

tert-Butyl alcohol

Concen: 11.313 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 59 Resp: 2146178

Ion Ratio Lower Upper

59 100

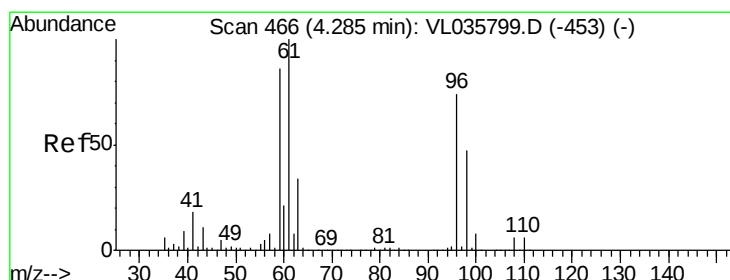
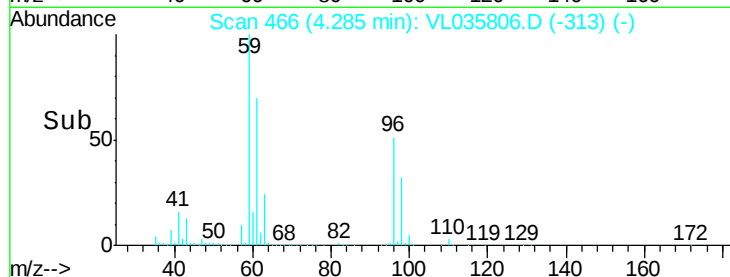
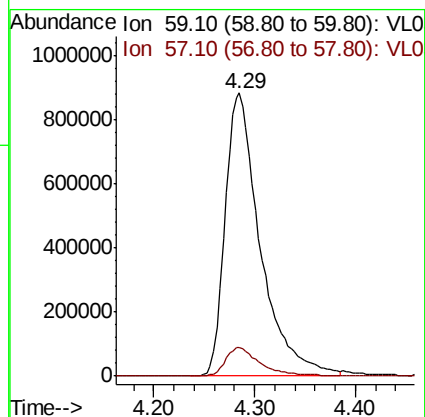
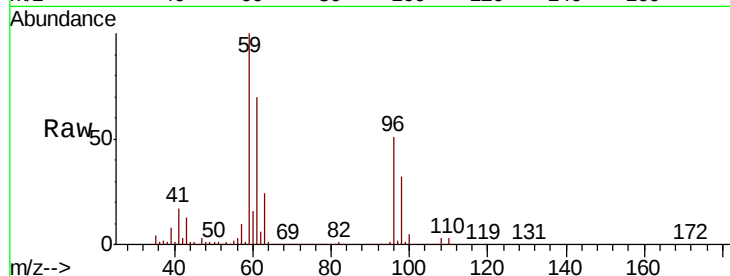
57 10.2 8.2 12.4

Manual Integrations

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#18

1,1-Dichloroethene

Concen: 9.396 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

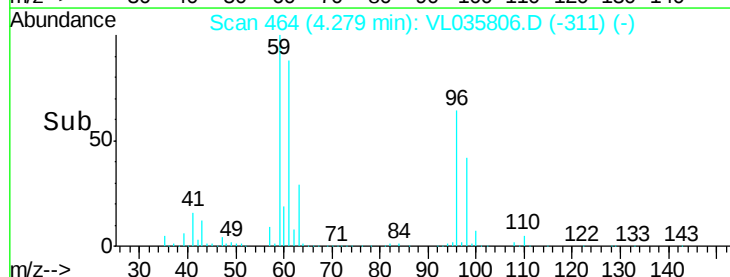
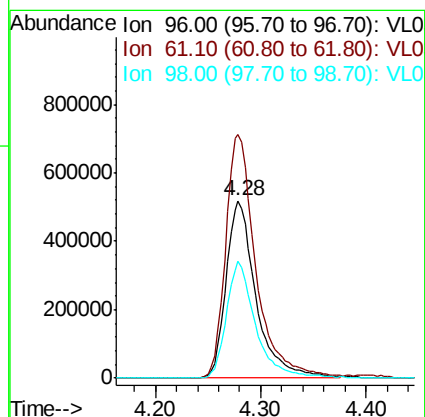
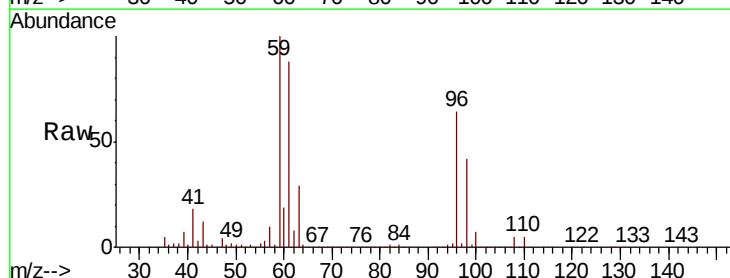
Tgt Ion: 96 Resp: 1016767

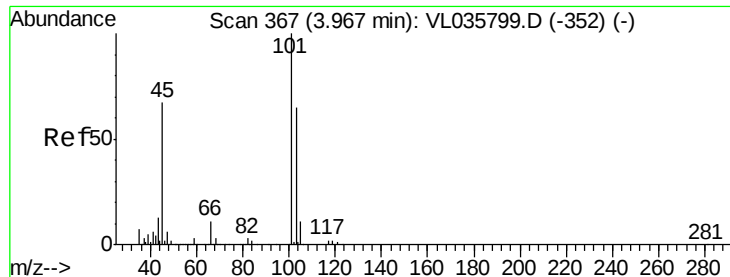
Ion Ratio Lower Upper

96 100

61 137.3 108.5 162.7

98 65.8 50.7 76.1





#19

Isopropyl Alcohol

Concen: 11.518 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 45 Resp: 1013230

Ion Ratio Lower Upper

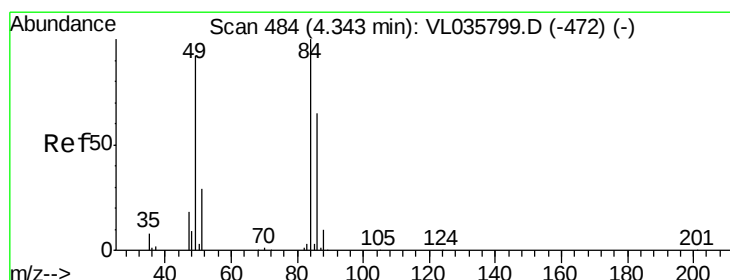
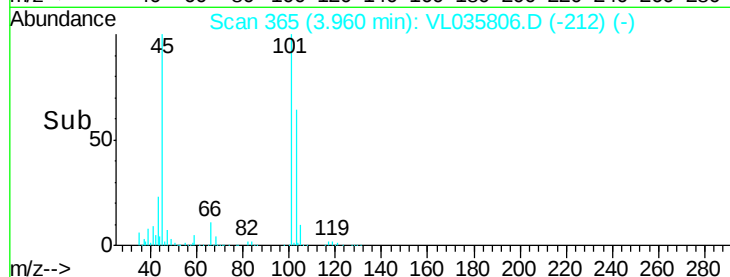
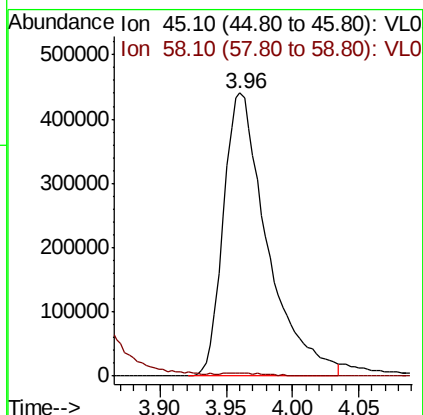
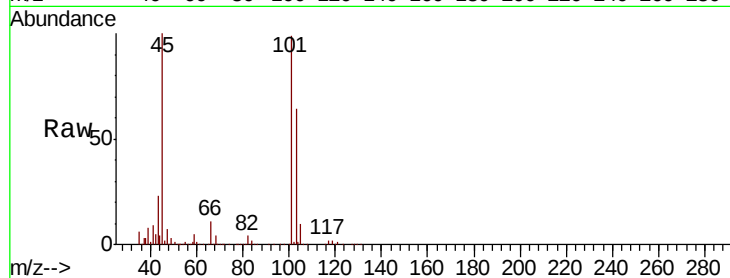
45 100

58 1.7 2.6 3.8#

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#20

Methylene Chloride

Concen: 8.262 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tgt Ion: 84 Resp: 832563

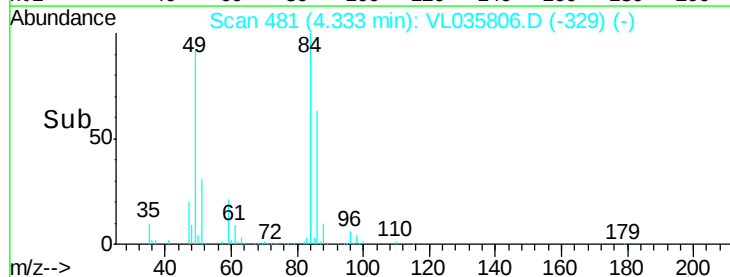
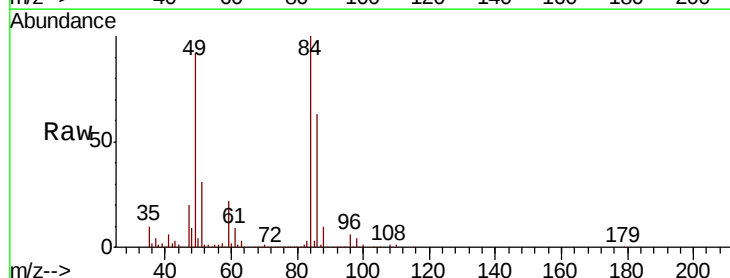
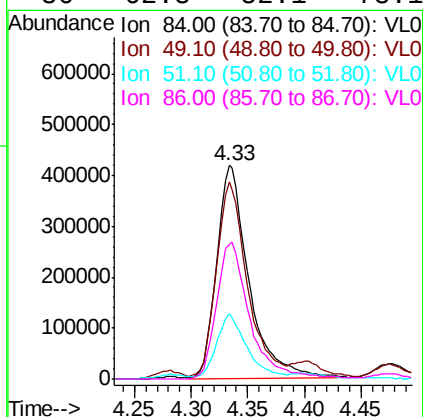
Ion Ratio Lower Upper

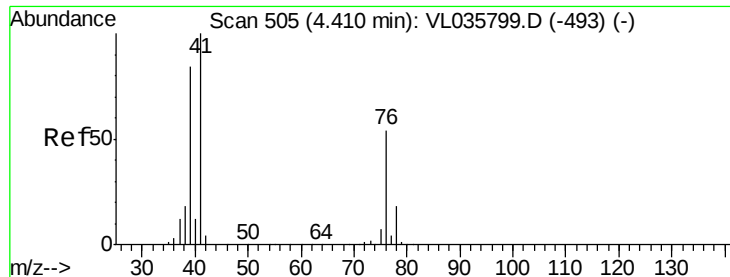
84 100

49 91.4 73.8 110.8

51 30.0 23.0 34.4

86 62.8 52.1 78.1





#21

Allvl Chloride

Concen: 9.805 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

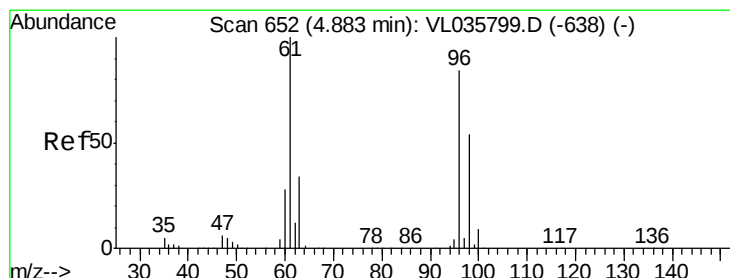
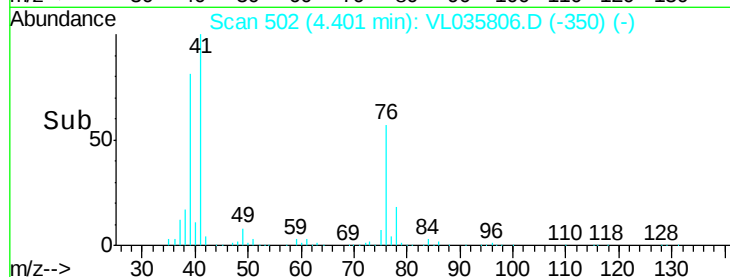
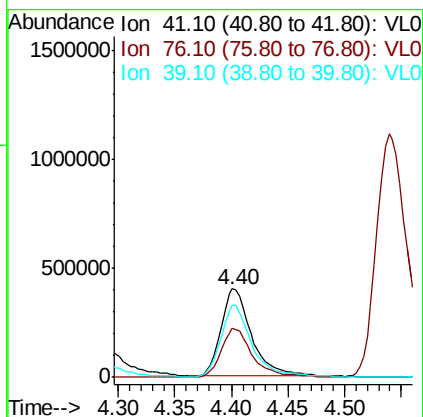
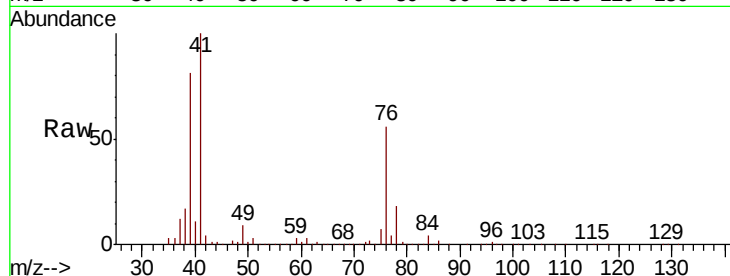
ClientSampled :

ICVVL110320

Tot Ion:	41	Resp:	759045
Ion	Ratio	Lower	Upper
41	100		
76	57.5	42.6	63.8
39	82.9	67.0	100.4

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.226 ppbv

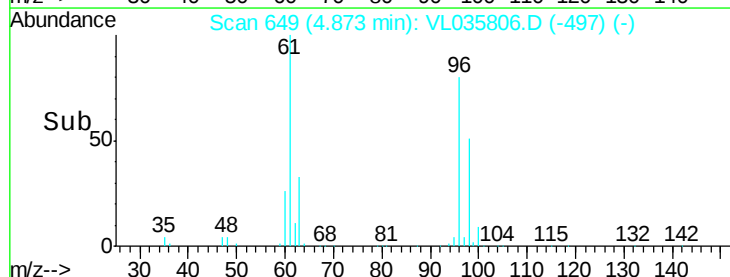
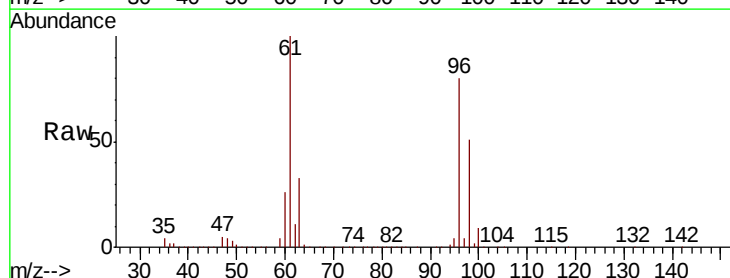
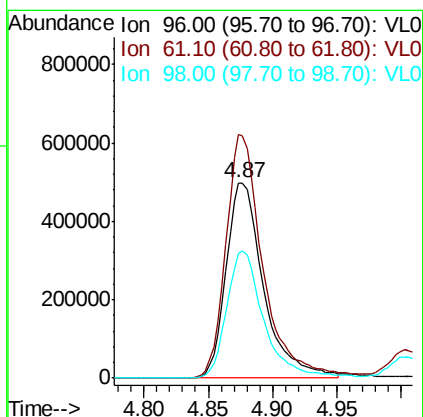
RT: 4.87 min Scan# 649

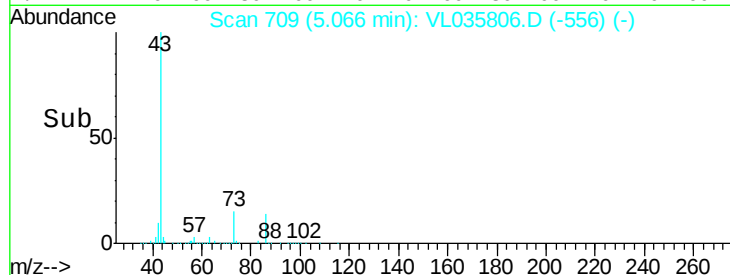
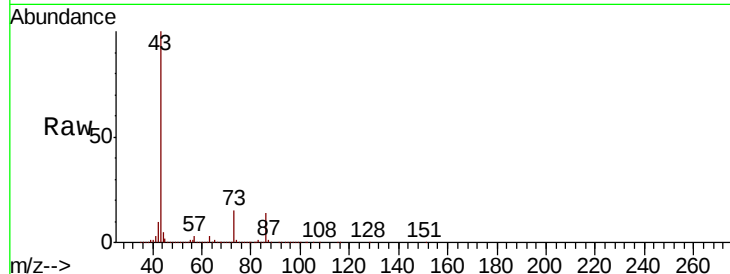
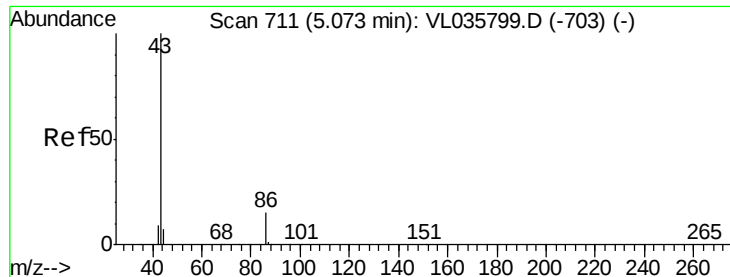
Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tgt Ion:	96	Resp:	1012024
Ion	Ratio	Lower	Upper
96	100		
61	124.7	95.4	143.0
98	63.6	51.8	77.6





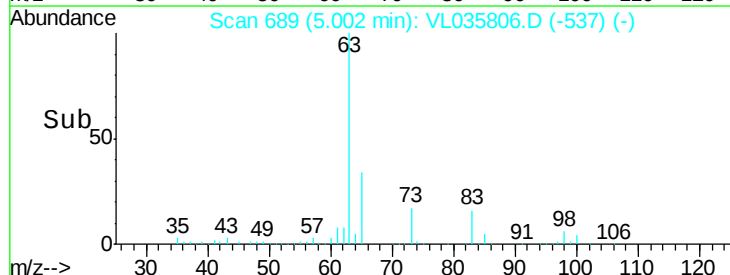
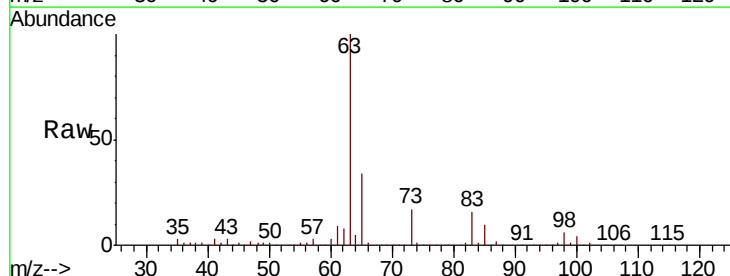
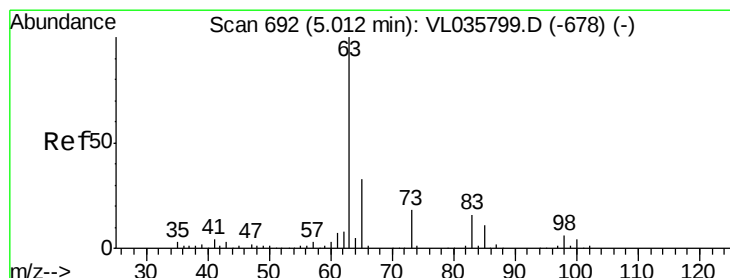
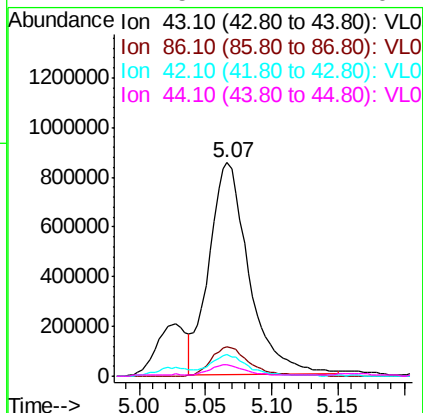
#23
 Vinyl Acetate
 Concen: 8.948 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tot Ion	43	Resp	1795579
Ion	Ratio	Lower	Upper
43	100		
86	13.7	9.8	14.6
42	10.0	8.1	12.1
44	4.5	4.2	6.4

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

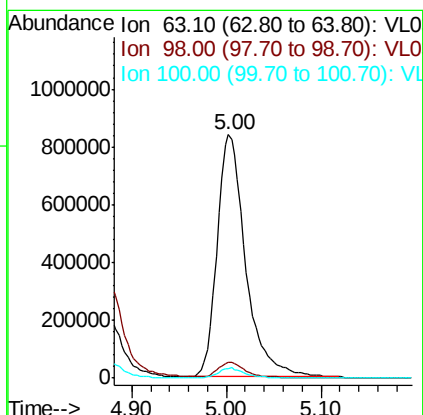
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#24
 1,1-Dichloroethane
 Concen: 9.202 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion	63	Resp	1759151
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.0	9.2
100	3.9	1.8	5.4





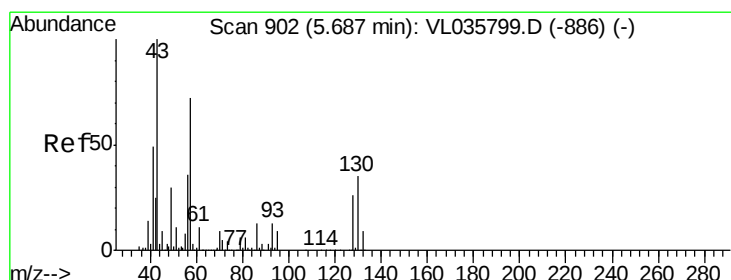
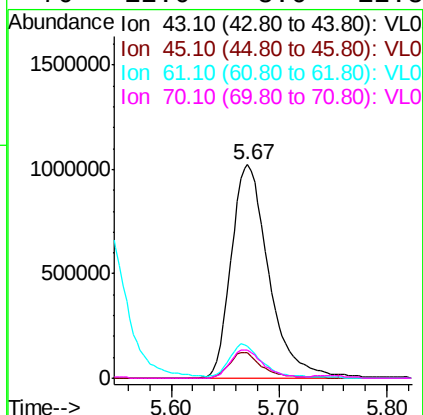
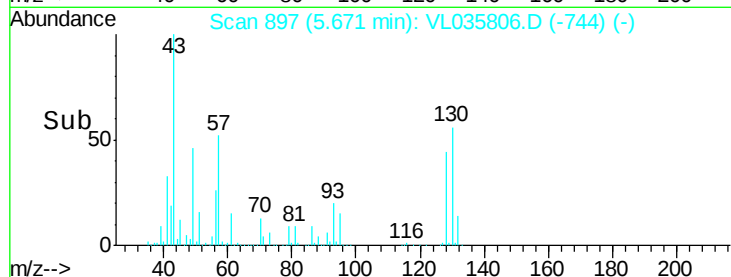
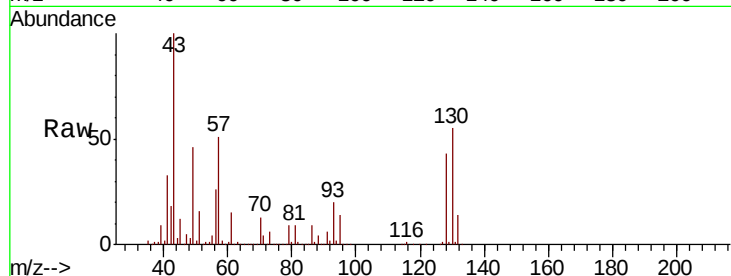
#25
Ethyl Acetate
Concen: 8.757 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.9	8.5	12.7	
61	14.4	10.7	16.1	
70	12.0	8.6	12.8	

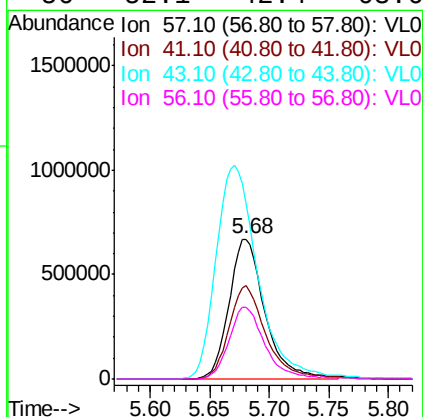
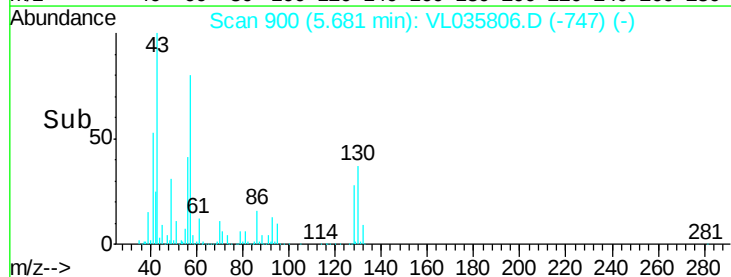
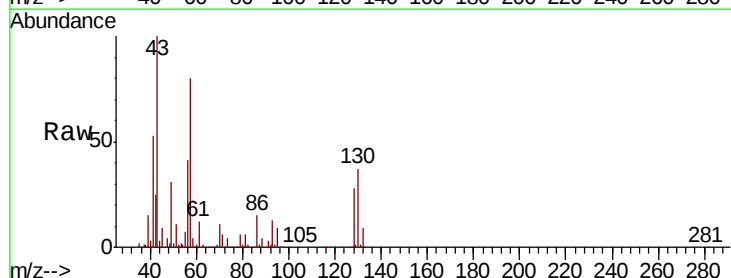
Manual Integrations
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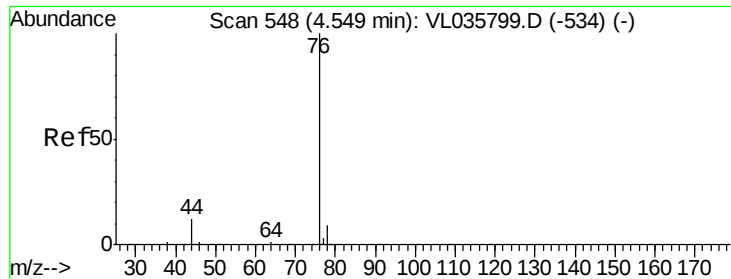
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#26
Hexane
Concen: 9.018 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	69.0	58.9	88.3	
43	178.5	150.2	225.2	
56	52.1	42.4	63.6	





#27

Carbon Disulfide

Concen: 9.917 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 76 Resp: 2310989

Ion Ratio Lower Upper

76 100

44 11.6 9.9 14.9

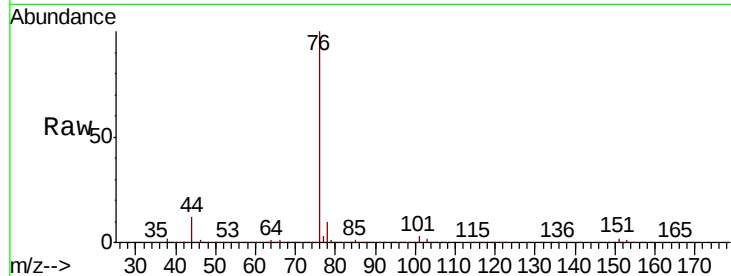
78 10.2 8.1 12.1

Manual Integrations

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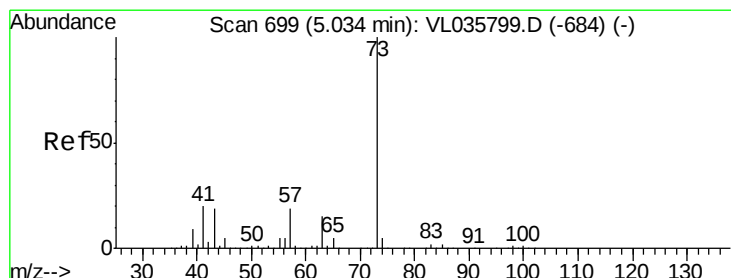
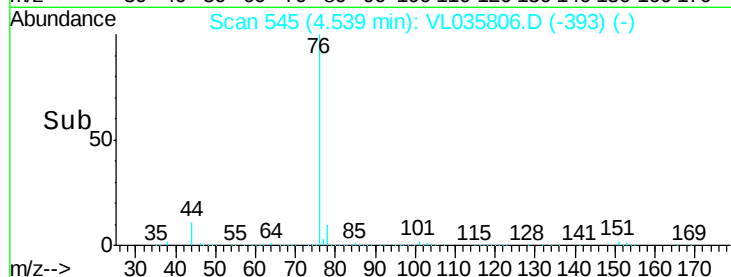
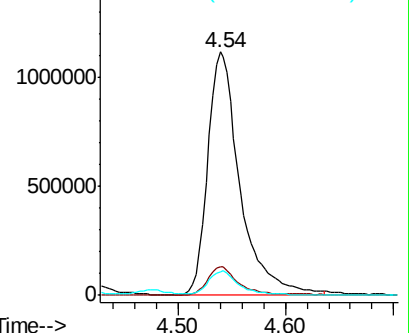
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.527 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL035806.D

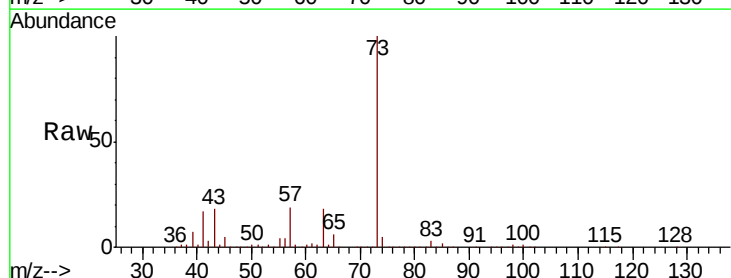
Acq: 3 Nov 2020 15:15

Tgt Ion: 73 Resp: 2660864

Ion Ratio Lower Upper

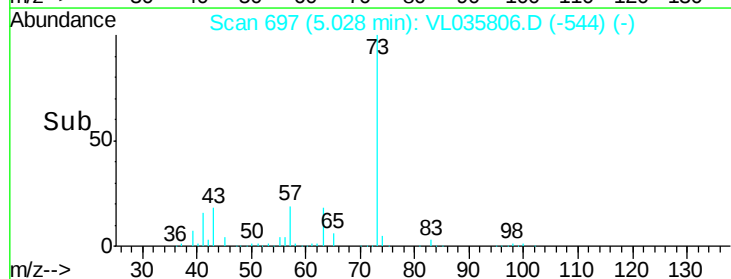
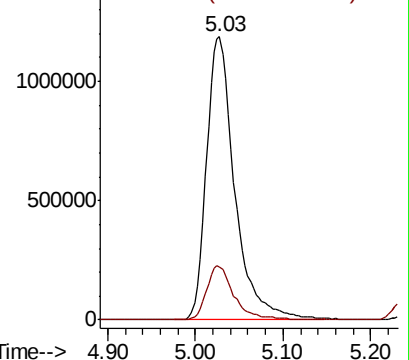
73 100

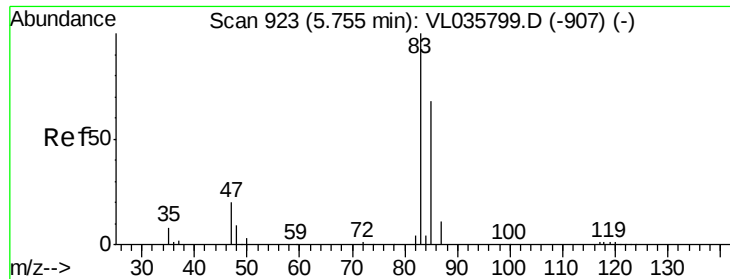
57 18.6 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





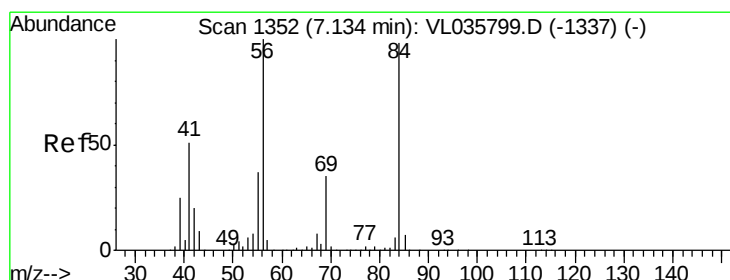
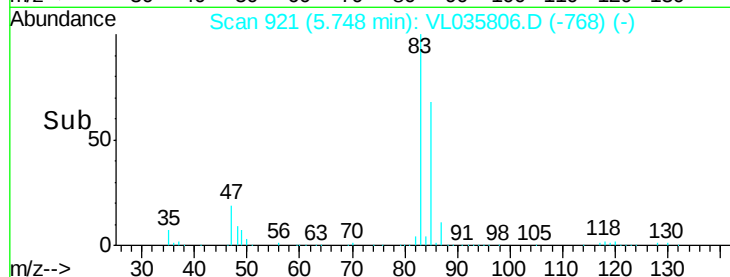
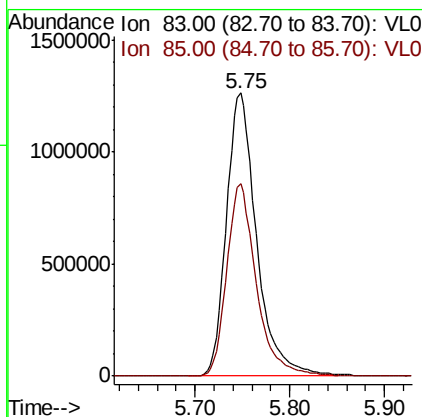
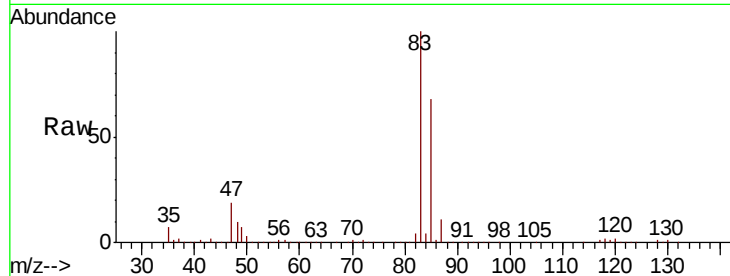
#29
Chloroform
Concen: 9.155 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampled :
ICVVL110320

Tot Ion: 83 Resp: 2798505
Ion Ratio Lower Upper
83 100
85 67.9 54.6 81.8

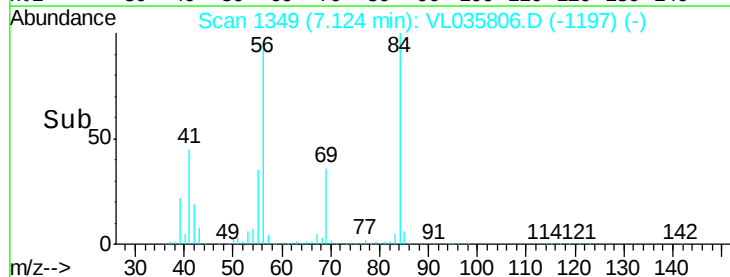
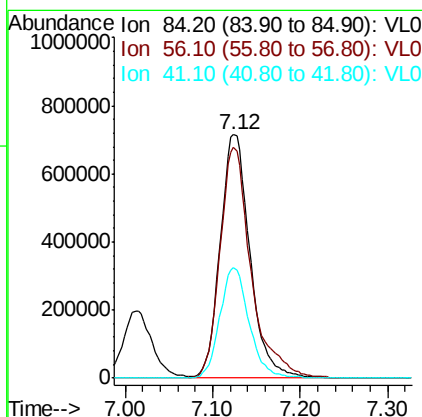
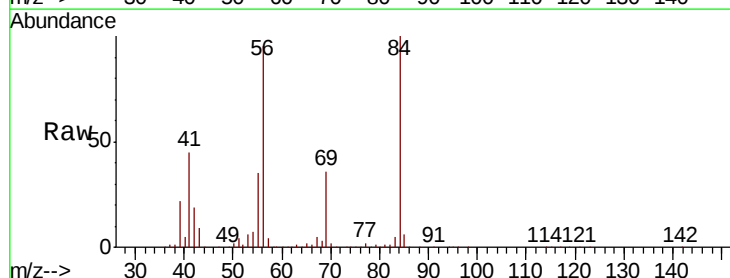
Manual Integrations
APPROVED

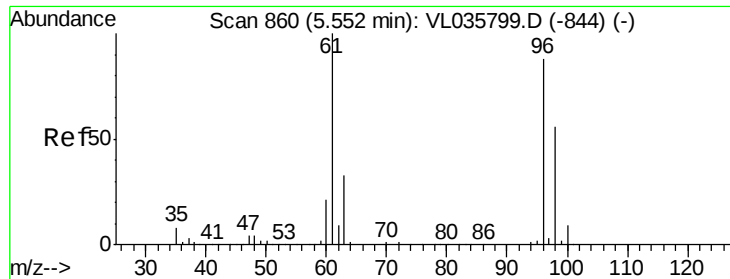
MMDadoda
11/5/2020 2:13:35 PM



#30
Cyclohexane
Concen: 9.947 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 84 Resp: 1685008
Ion Ratio Lower Upper
84 100
56 99.6 86.4 129.6
41 45.0 42.1 63.1





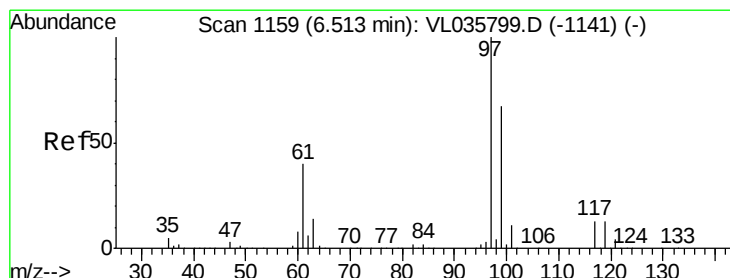
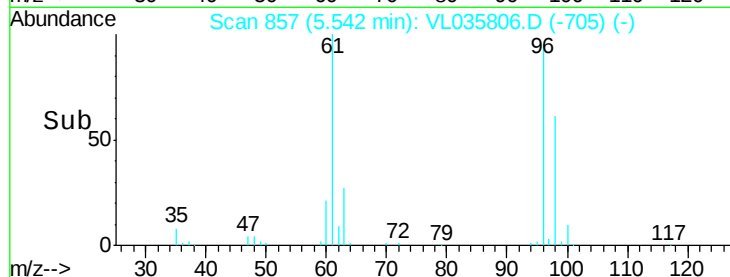
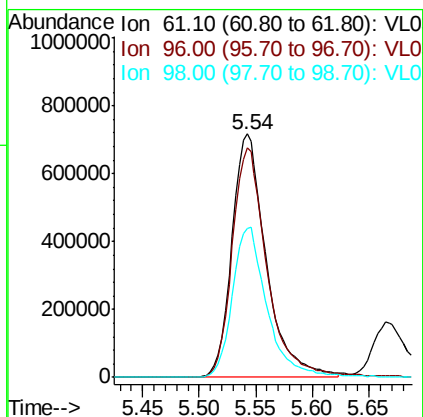
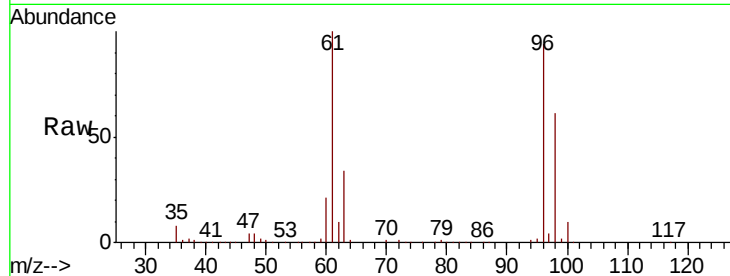
#31
 cis-1,2-Dichloroethene
 Concen: 9.457 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Tot Ion: 61 Resp: 1513097
 Ion Ratio Lower Upper
 61 100
 96 94.3 70.3 105.5
 98 61.3 45.0 67.6

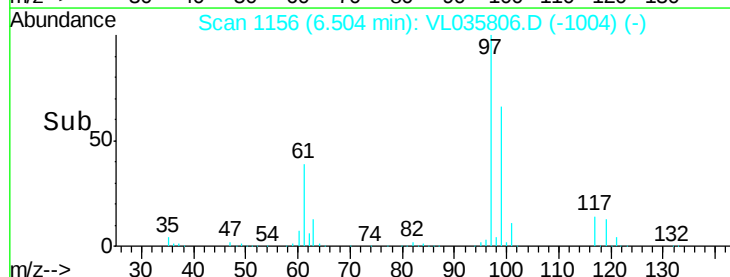
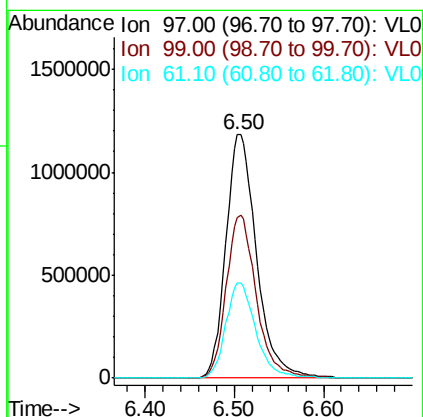
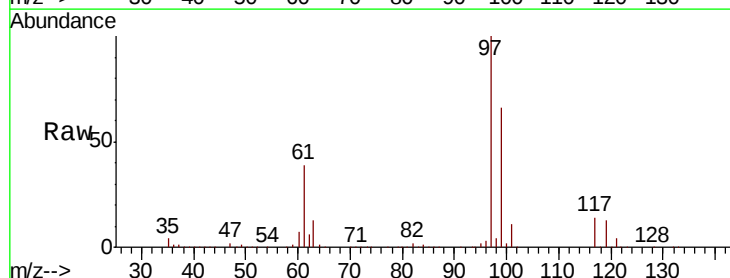
Manual Integrations
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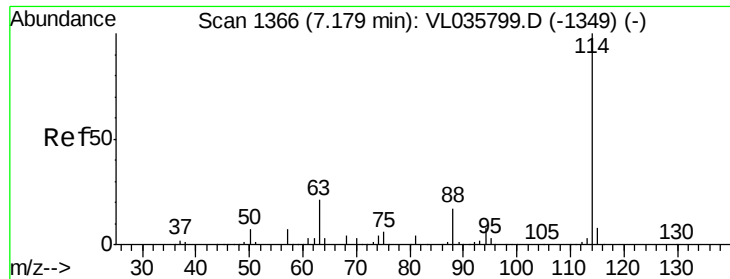
MMDadoda
 11/5/2020 2:13:35 PM



#32
 1,1,1-Trichloroethane
 Concen: 8.837 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion: 97 Resp: 2818973
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.3 78.5
 61 38.5 32.0 48.0





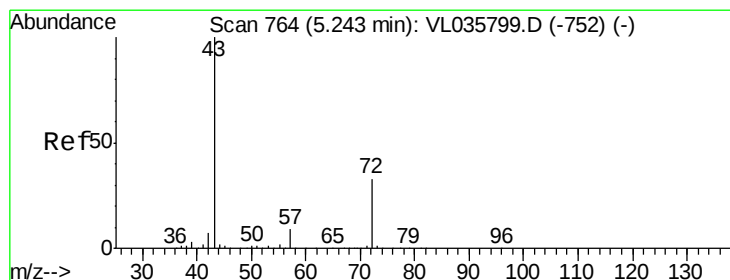
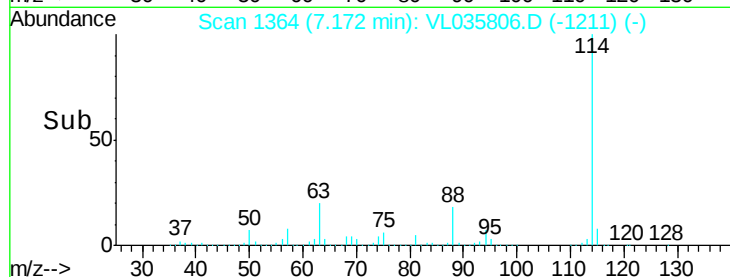
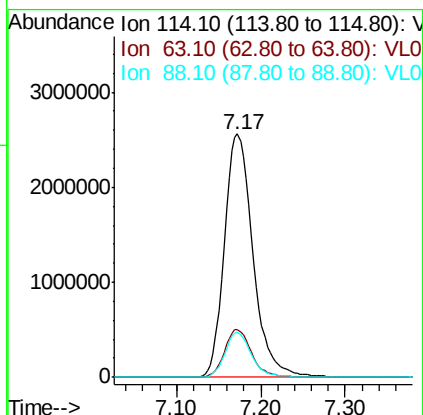
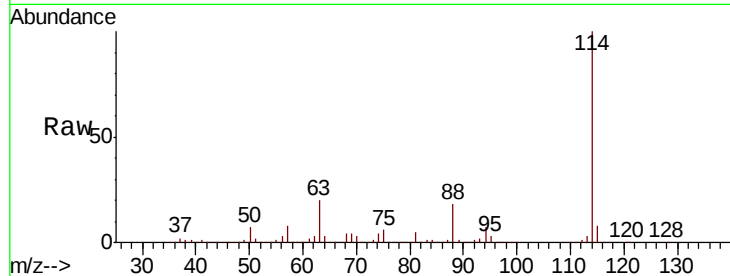
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	16.1	24.1
88	17.2	13.7	20.5

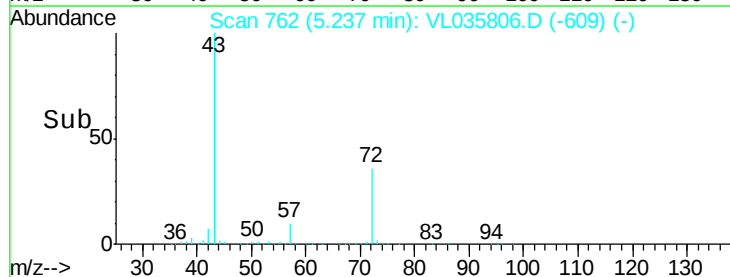
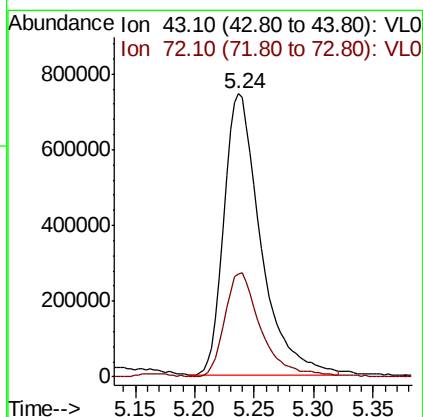
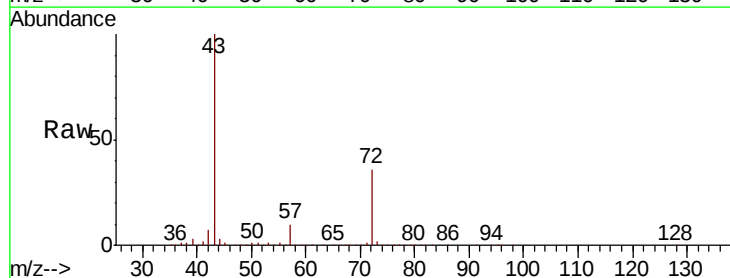
Manual Integrations
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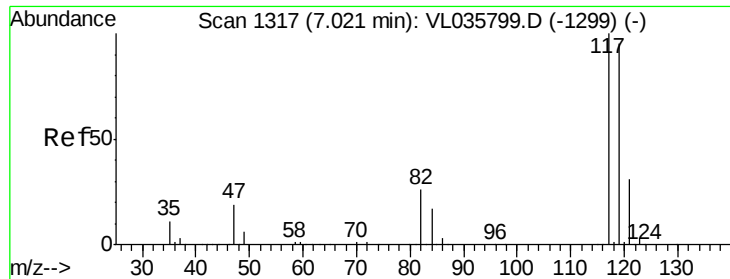
MMDadoda
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#34
 2-Butanone
 Concen: 8.070 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion	Ratio	Lower	Upper
43	100		
72	37.2	26.5	39.7





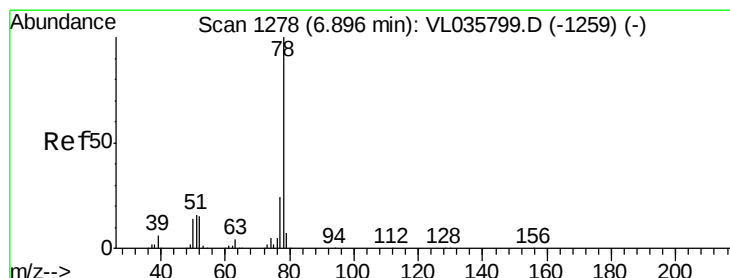
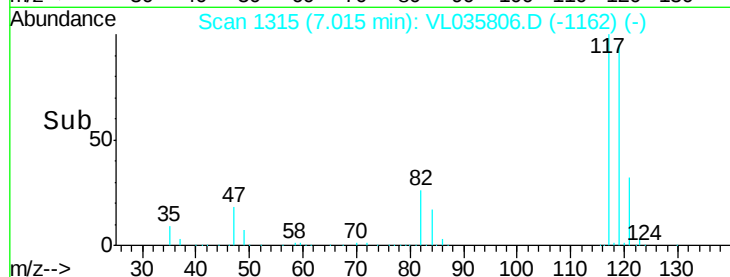
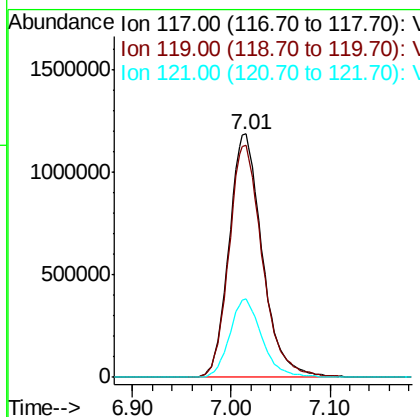
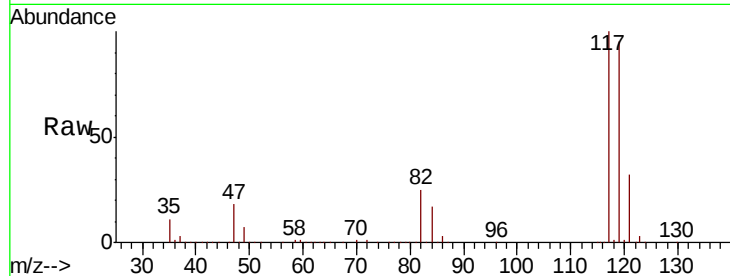
#35
Carbon Tetrachloride
Concen: 8.618 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

Tot Ion:117 Resp: 2787147
Ion Ratio Lower Upper
117 100
119 95.4 75.6 113.4
121 32.1 25.1 37.7

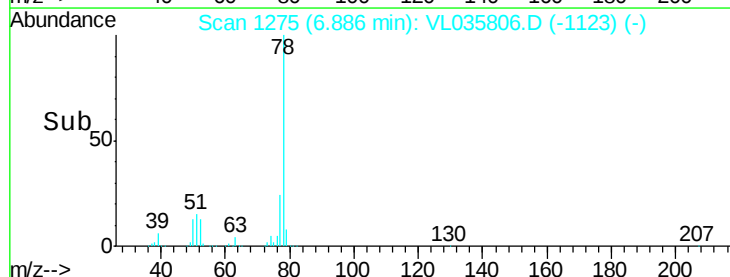
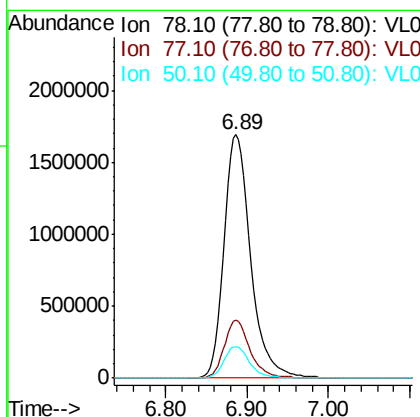
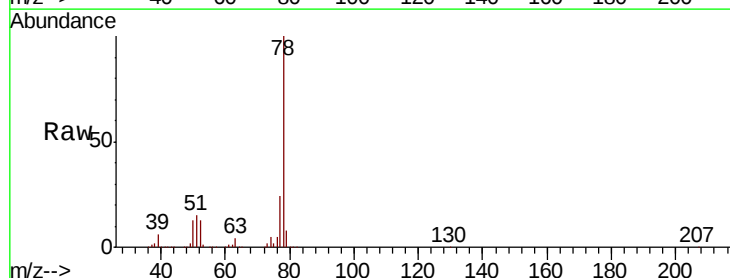
Manual Integrations
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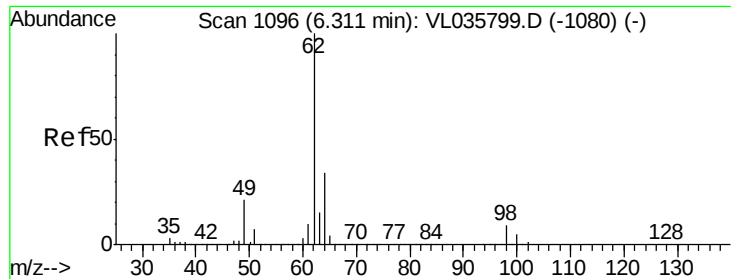
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#36
Benzene
Concen: 8.681 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 78 Resp: 3906496
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9
50 13.0 11.4 17.2





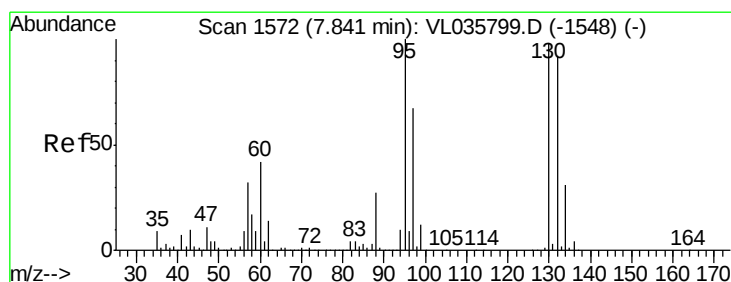
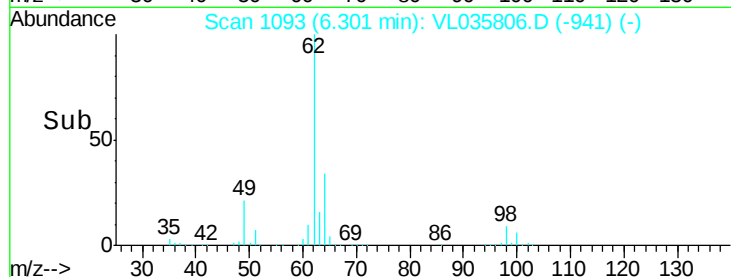
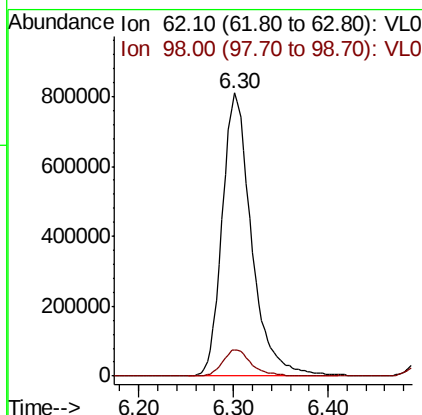
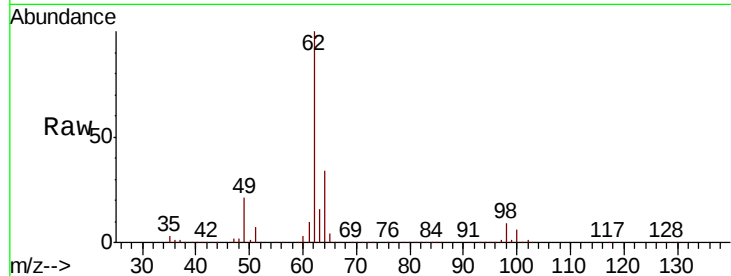
#37
 1,2-Dichloroethane
 Concen: 8.575 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Tot Ion: 62 Resp: 1747999
 Ion Ratio Lower Upper
 62 100
 98 9.5 6.9 10.3

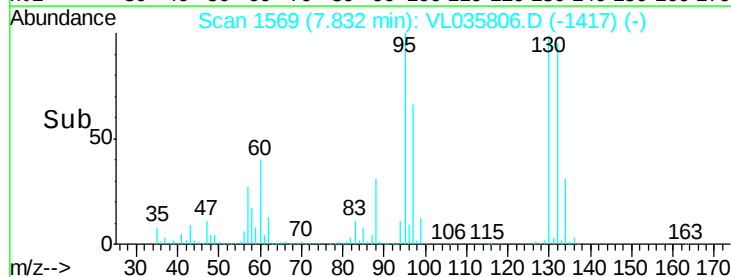
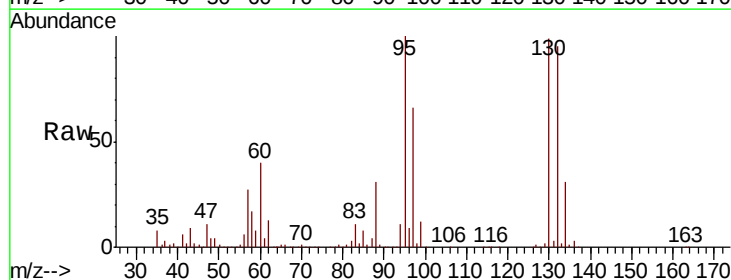
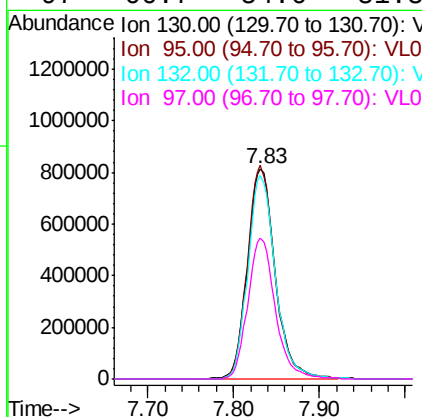
Manual Integrations
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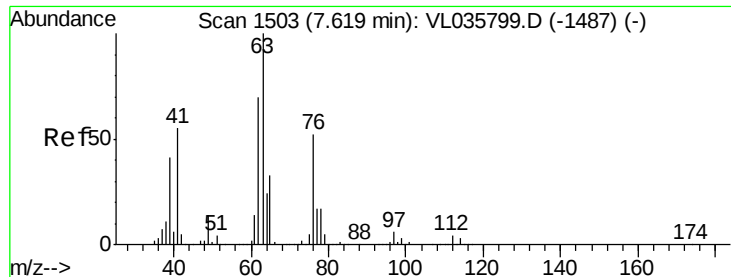
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#38
 Trichloroethene
 Concen: 8.337 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion: 130 Resp: 1832474
 Ion Ratio Lower Upper
 130 100
 95 101.5 81.6 122.4
 132 96.5 75.1 112.7
 97 66.7 54.6 81.8





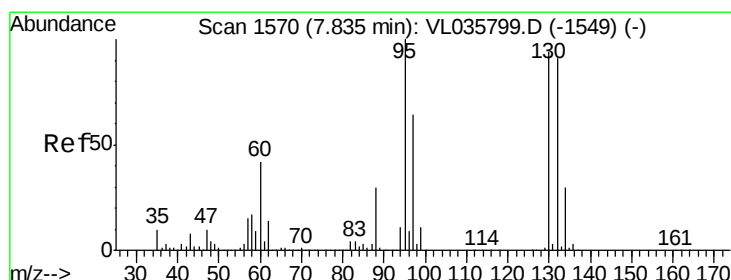
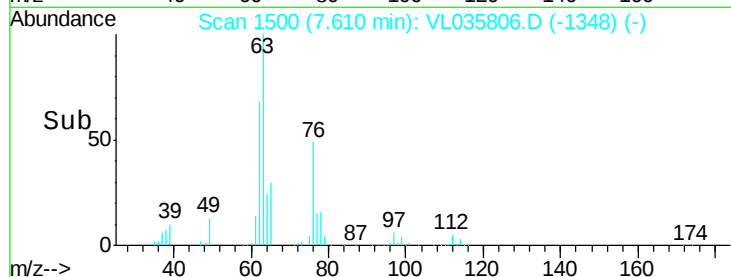
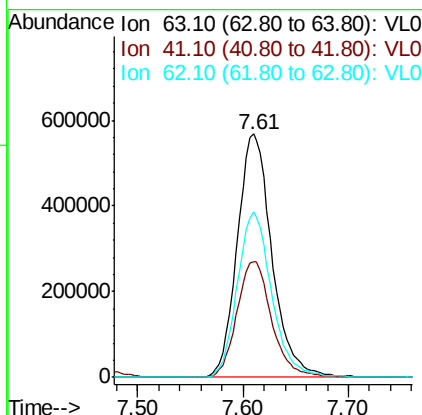
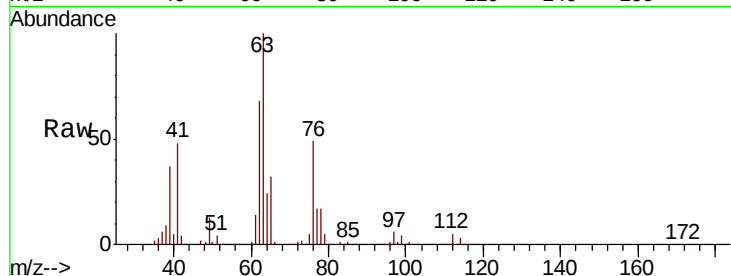
#39
 1,2-Dichloropropane
 Concen: 8.561 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Tot Ion	Ratio	Lower	Upper
63	100		
41	47.6	43.8	65.6
62	67.7	56.2	84.2

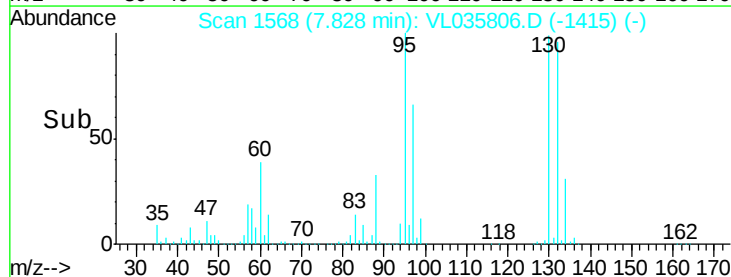
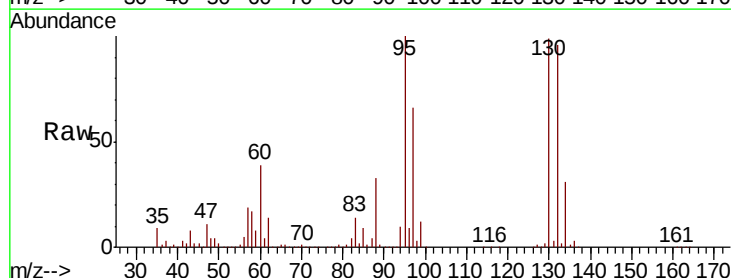
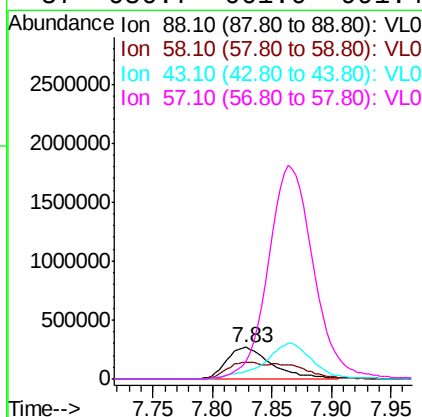
Manual Integrations
 APPROVED

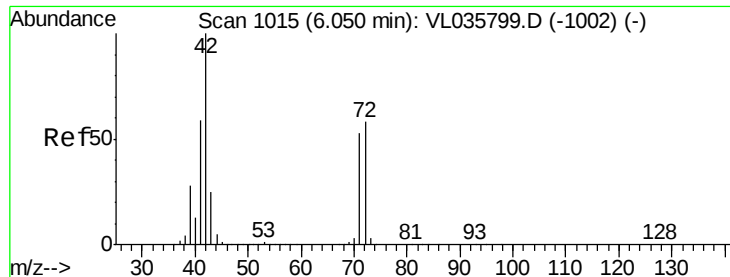
MMDadoda
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#40
 1,4-Dioxane
 Concen: 9.731 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.5	76.2	114.2
43	123.9	123.1	184.7
57	686.7	661.0	991.4





#41

Tetrahydrofuran

Concen: 8.547 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

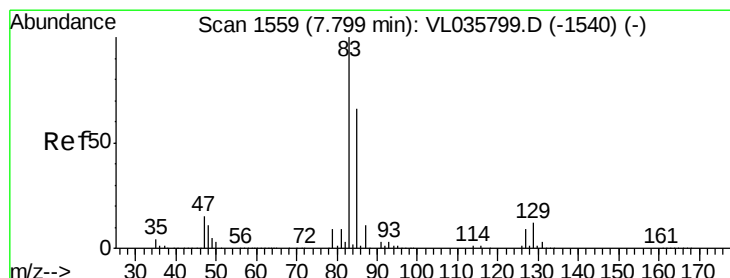
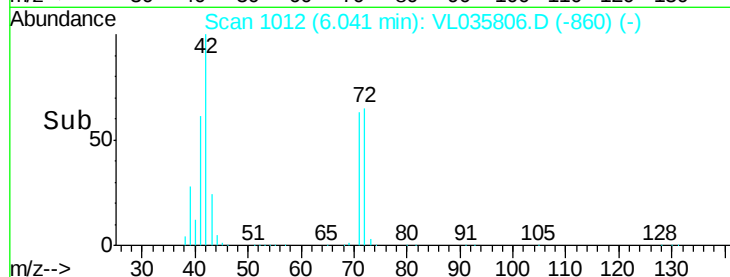
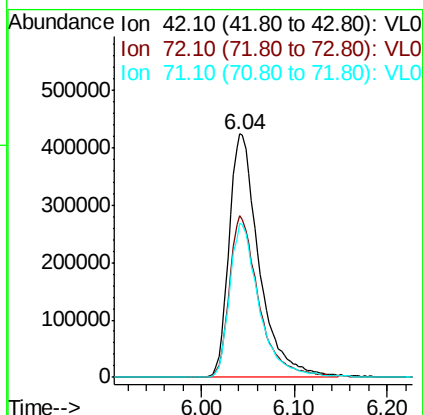
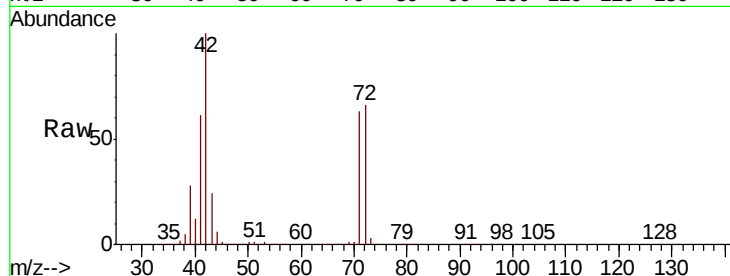
ClientSampleId :

ICVVL110320

Tot Ion:	42	Resp:	953816
Ion	Ratio	Lower	Upper
42	100		
72	65.6	45.4	68.0
71	62.6	43.4	65.2

Manual Integrations
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#42

Bromodichloromethane

Concen: 8.995 ppbv

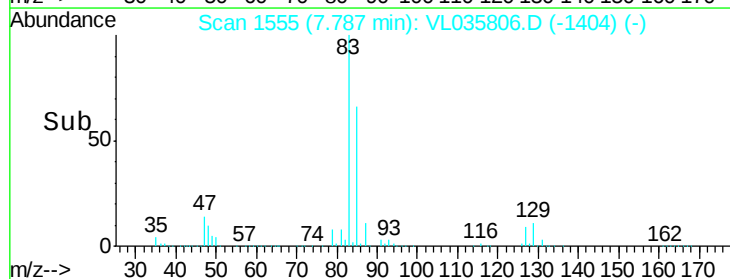
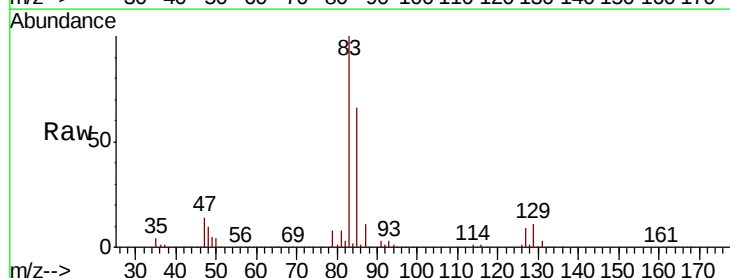
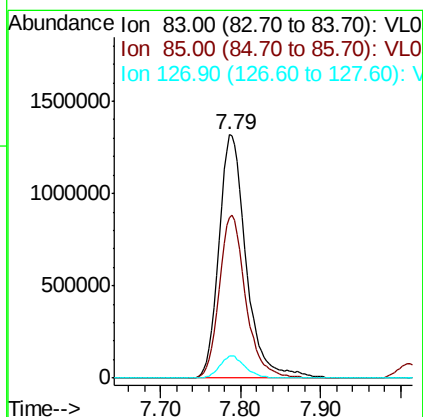
RT: 7.79 min Scan# 1555

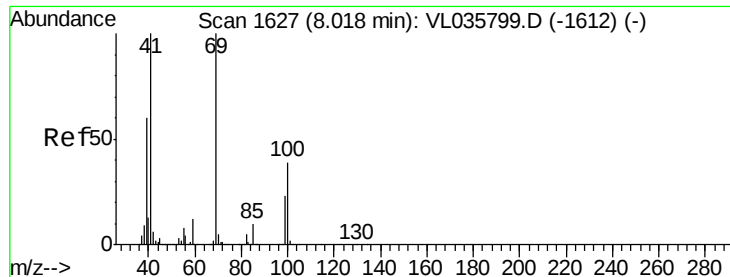
Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tgt Ion:	83	Resp:	3093893
Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.1	79.7
127	9.0	7.3	10.9





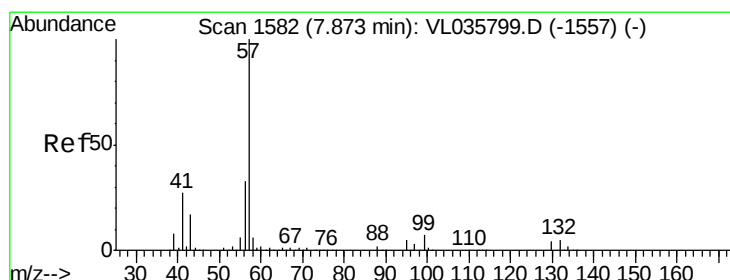
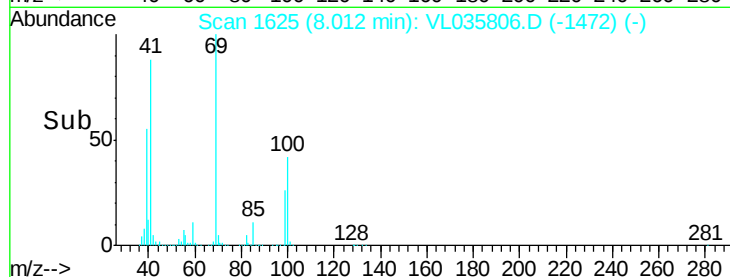
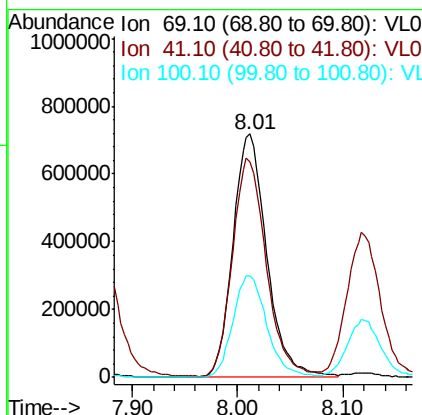
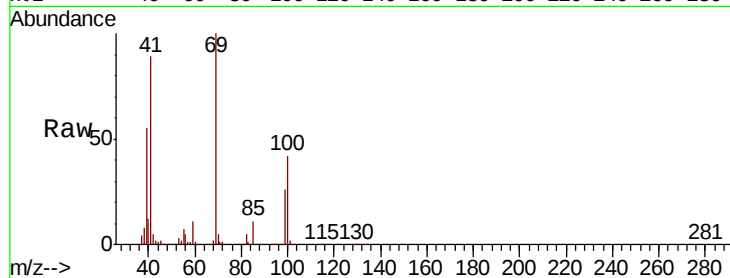
#43
Methvl Methacrilate
Concen: 9.305 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

Tot Ion	Ratio	Lower	Upper
69	100		
41	90.0	81.1	121.7
100	42.1	31.0	46.4

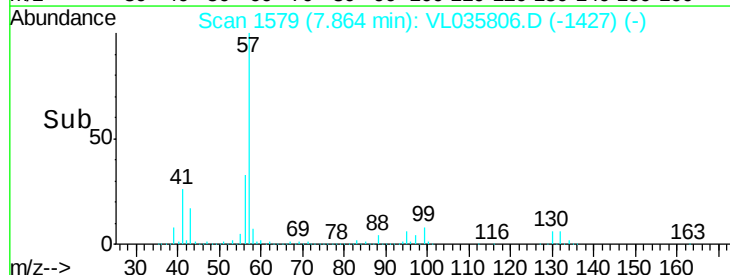
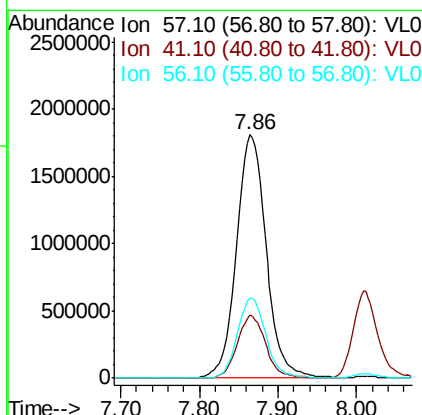
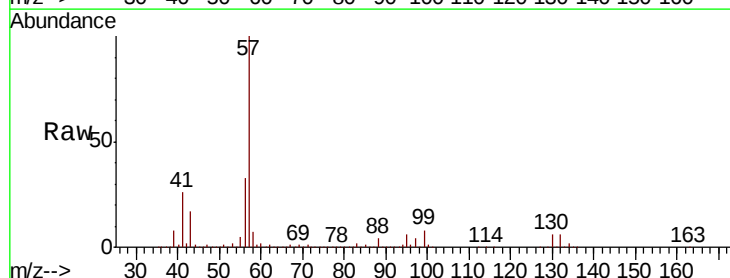
Manual Integrations
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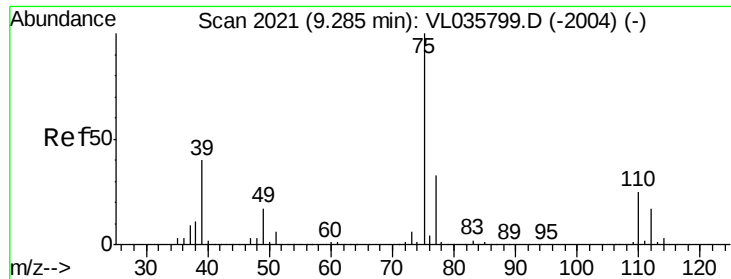
MMDadoda
11/5/2020 2:13:35 PM



#44
2,2,4-Trimethylpentane
Concen: 8.048 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion	Ratio	Lower	Upper
57	100		
41	24.5	21.0	31.4
56	31.5	25.4	38.0





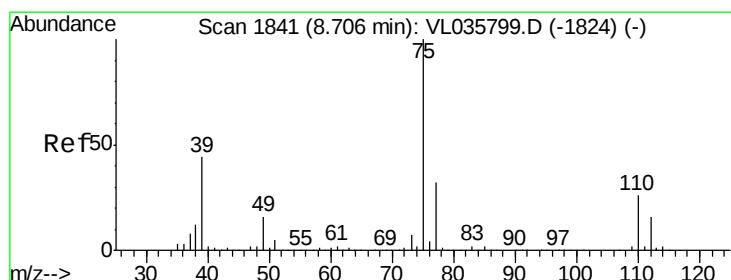
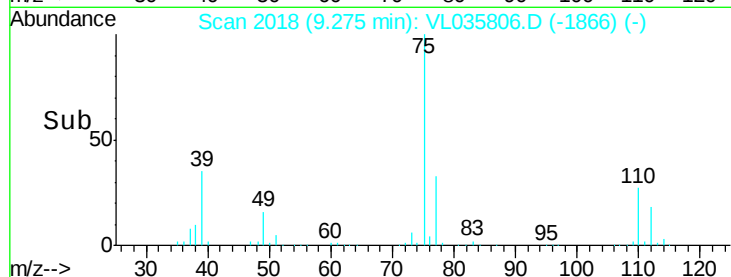
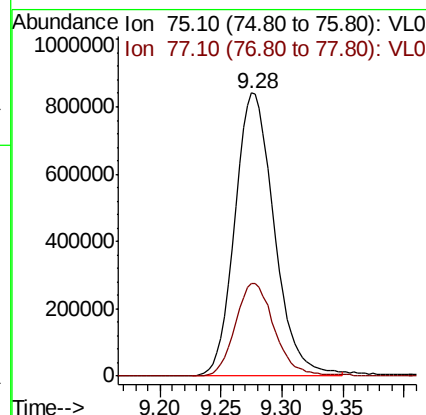
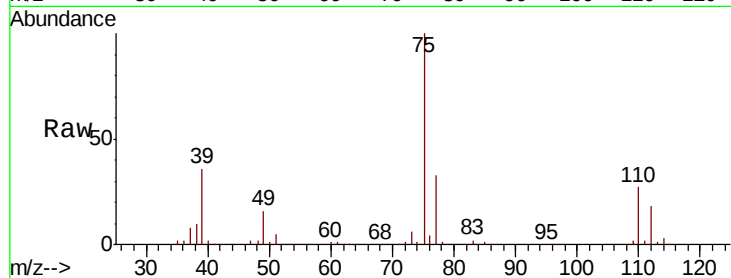
#45
t-1,3-Dichloropropene
Concen: 10.340 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

Tot Ion: 75 Resp: 1881422
Ion Ratio Lower Upper
75 100
77 32.7 26.4 39.6

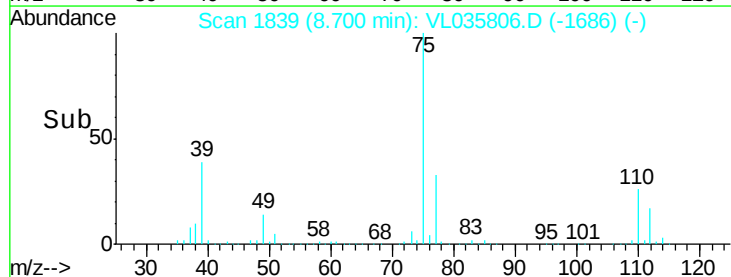
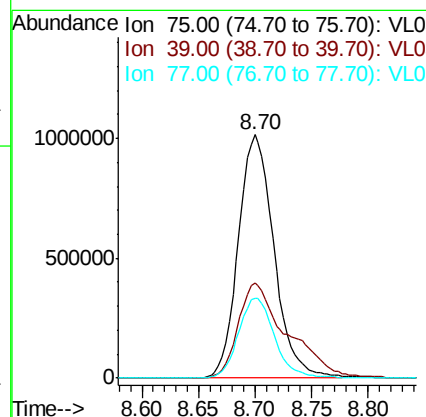
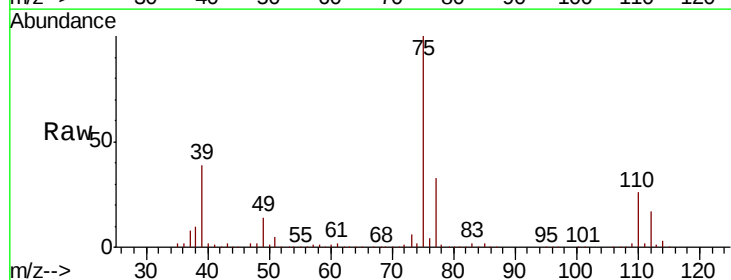
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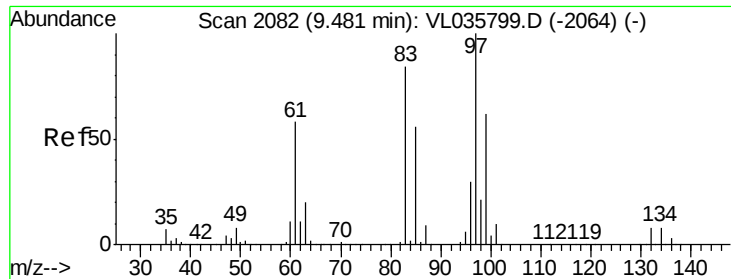
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#46
cis-1,3-Dichloropropene
Concen: 9.705 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 75 Resp: 2236204
Ion Ratio Lower Upper
75 100
39 39.2 35.1 52.7
77 32.7 25.7 38.5





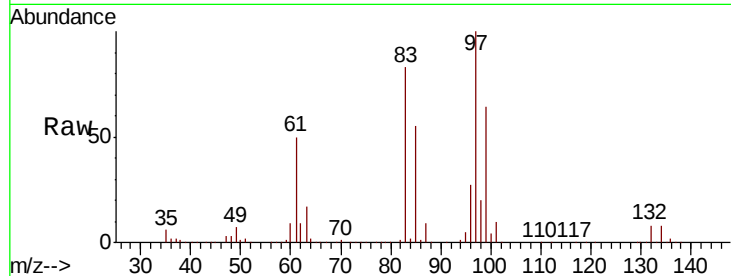
#47
 1,1,2-Trichloroethane
 Concen: 8.723 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.8	67.1	100.7	
85	55.2	44.7	67.1	
99	63.6	49.7	74.5	

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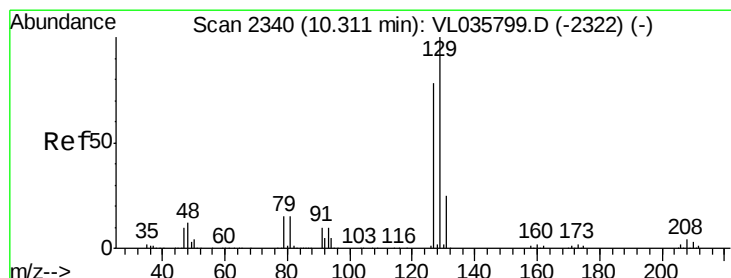
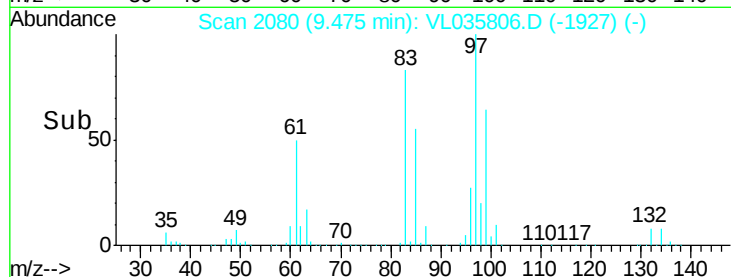
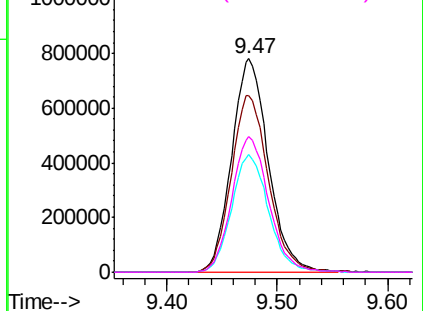
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

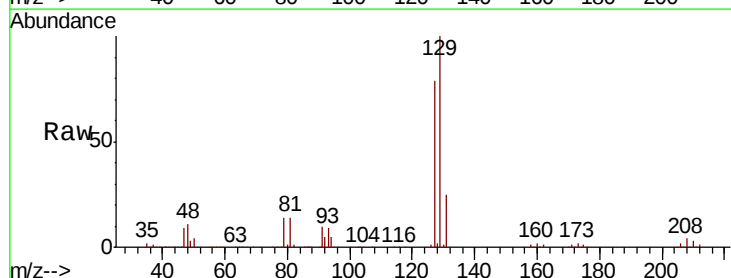
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 9.243 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

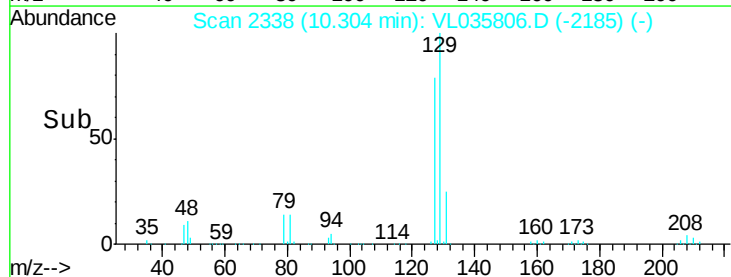
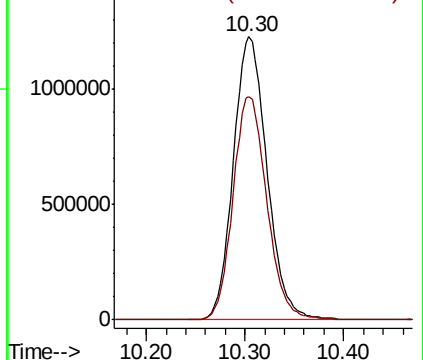
Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.6	39.2	117.6	

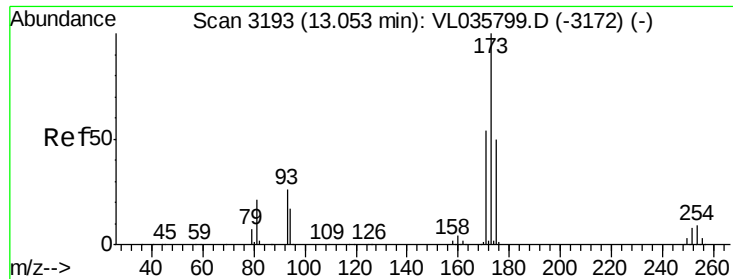


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





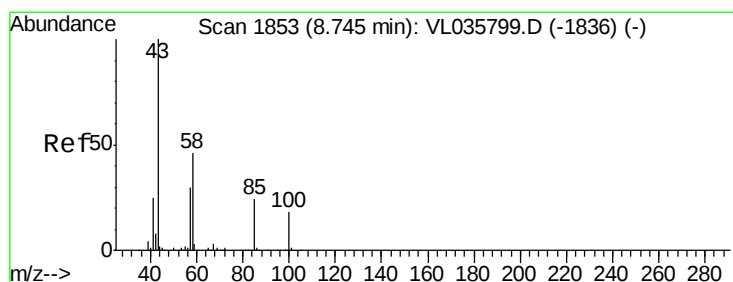
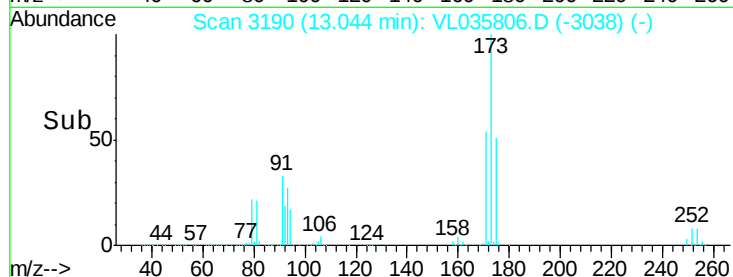
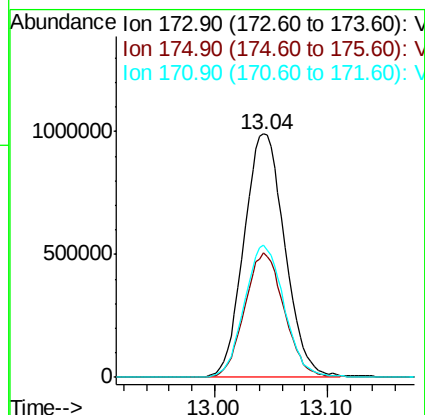
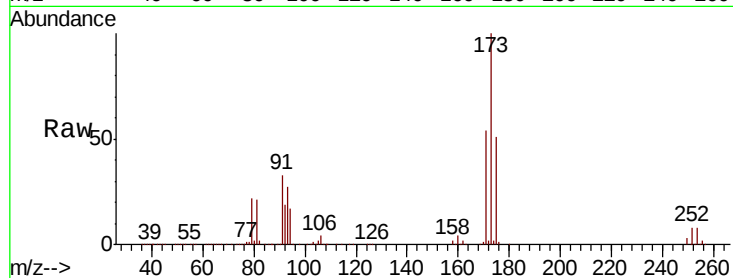
#49
Bromoform
Concen: 9.351 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

Tot Ion:173 Resp: 2488325
Ion Ratio Lower Upper
173 100
175 50.1 40.1 60.1
171 53.3 42.6 63.8

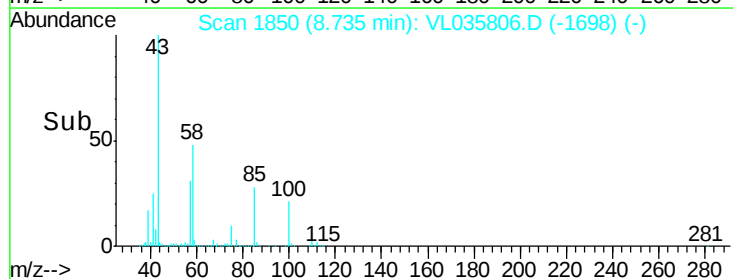
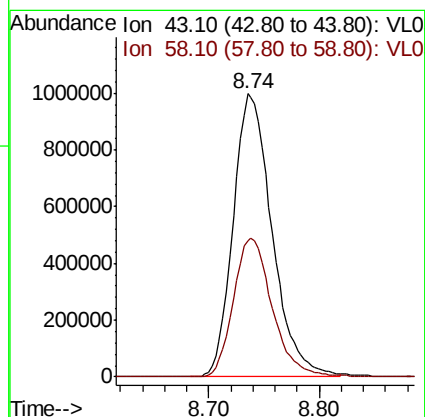
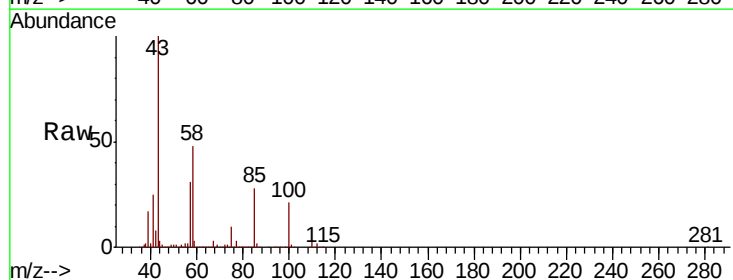
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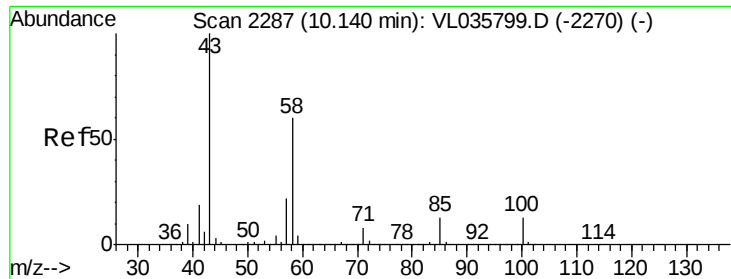
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#50
4-Methyl-2-Pentanone
Concen: 8.107 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 43 Resp: 2435271
Ion Ratio Lower Upper
43 100
58 49.3 36.0 54.0





#51

2-Hexanone

Concen: 8.570 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 43 Resp: 2067962

Ion Ratio Lower Upper

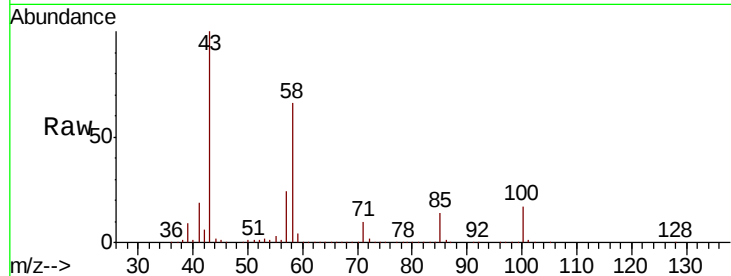
43 100

58 65.8 48.3 72.5

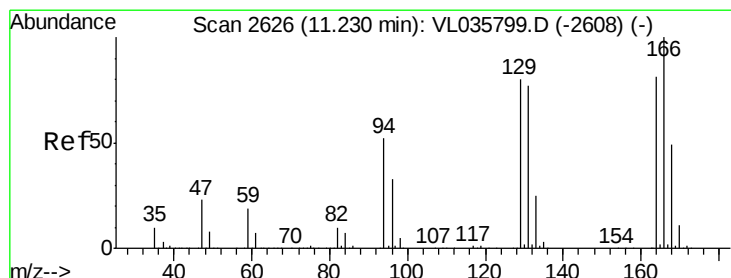
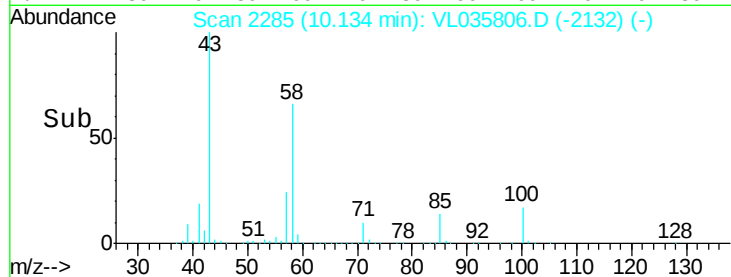
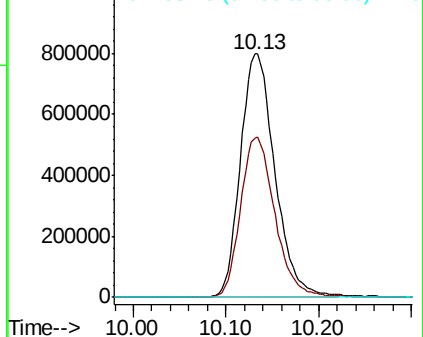
98 0.1 0.6 0.8#

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



#52

Tetrachloroethene

Concen: 7.929 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tgt Ion: 164 Resp: 1690404

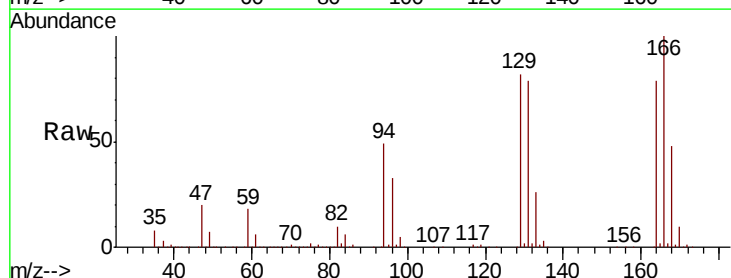
Ion Ratio Lower Upper

164 100

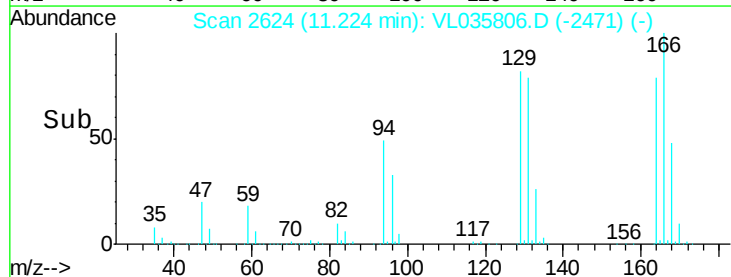
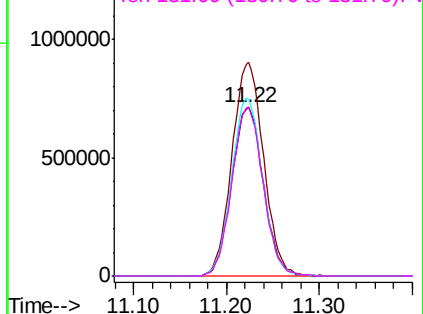
166 126.8 99.3 148.9

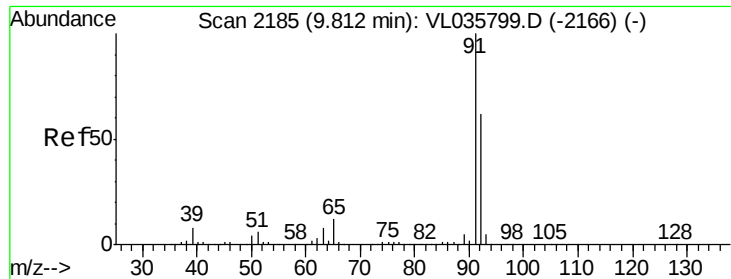
129 104.4 79.3 118.9

131 100.4 76.5 114.7



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





#53

Toluene

Concen: 8.800 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 91 Resp: 4778221

Ion Ratio Lower Upper

91 100

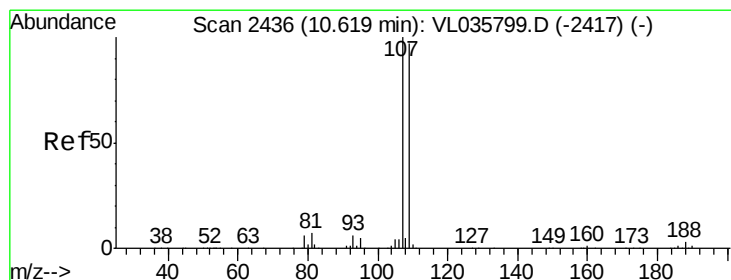
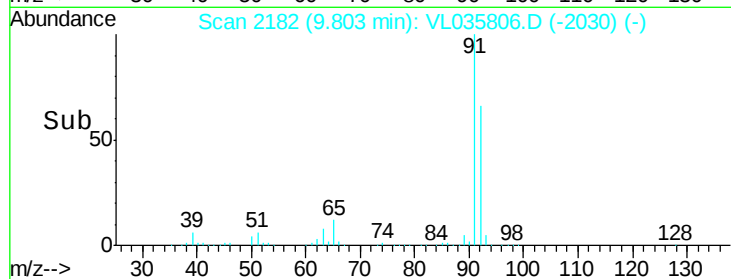
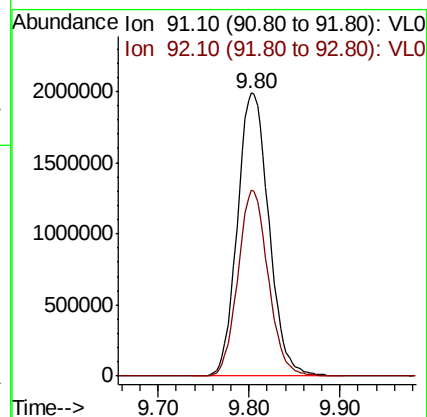
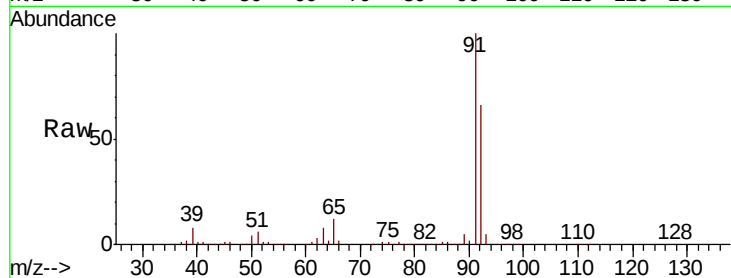
92 63.5 49.8 74.6

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#54

1,2-Dibromoethane

Concen: 8.963 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL035806.D

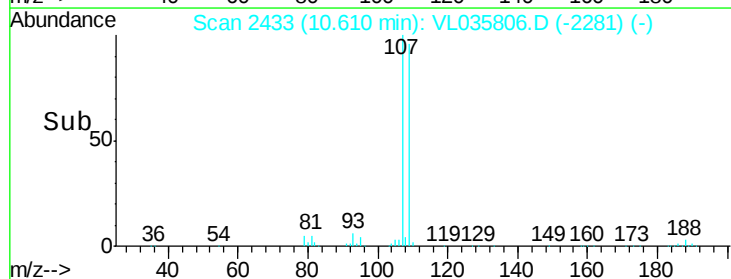
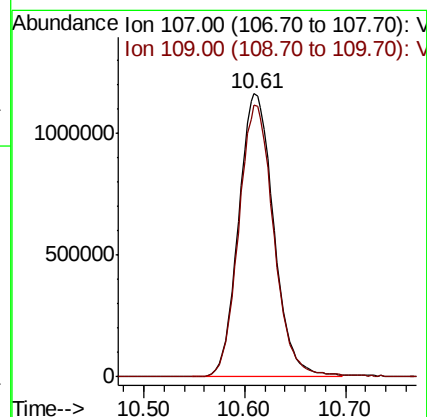
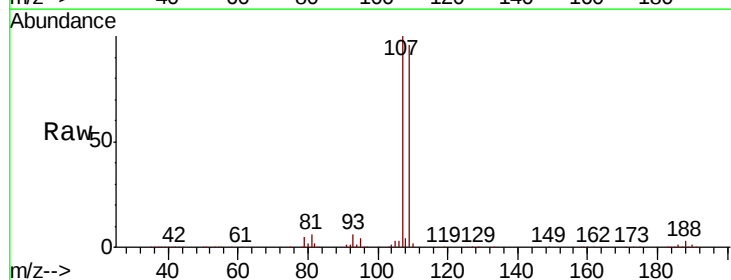
Acq: 3 Nov 2020 15:15

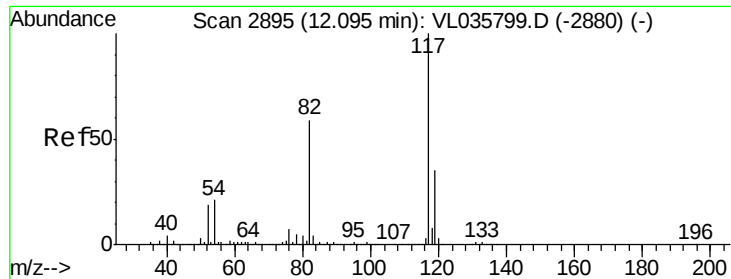
Tgt Ion: 107 Resp: 2813708

Ion Ratio Lower Upper

107 100

109 96.0 77.2 115.8





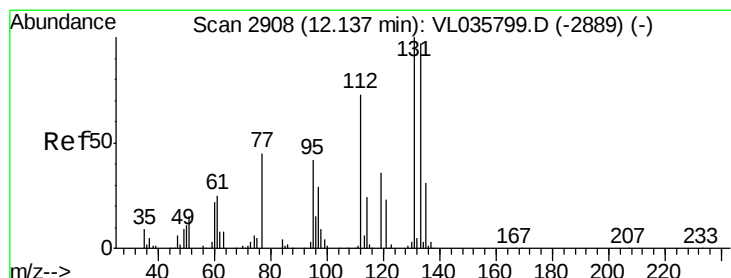
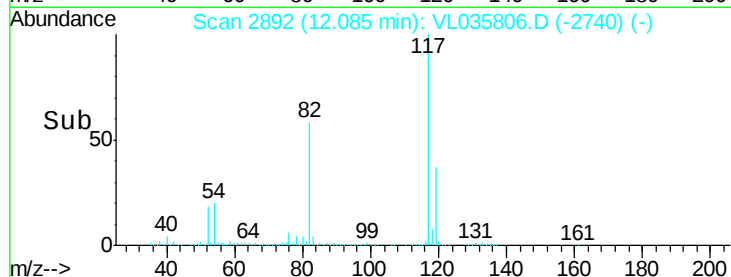
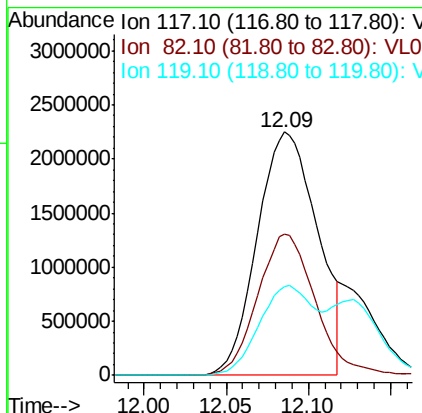
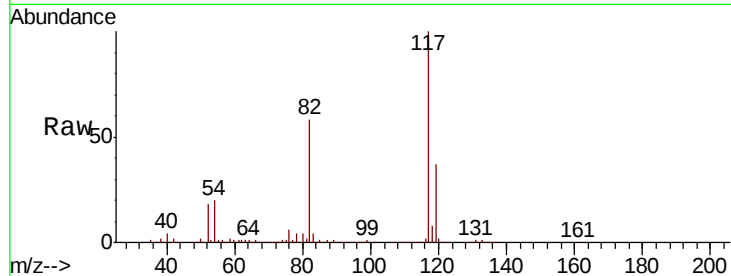
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

Tot Ion:117 Resp: 5723541
Ion Ratio Lower Upper
117 100
82 56.0 50.6 76.0
119 60.4 52.6 78.8

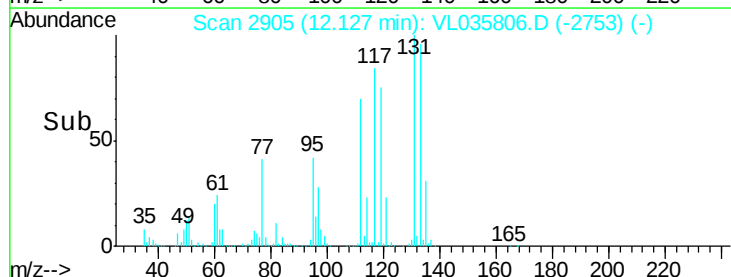
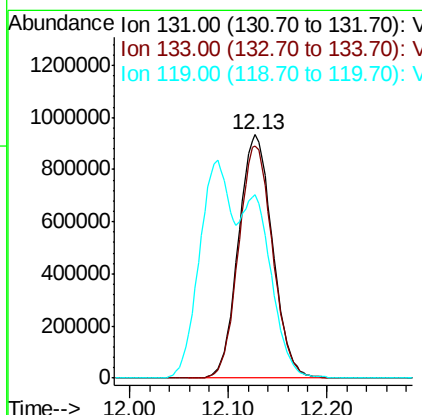
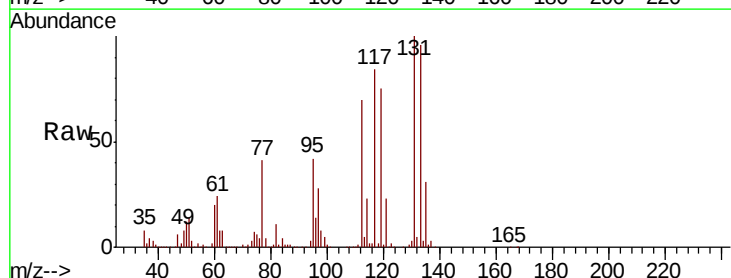
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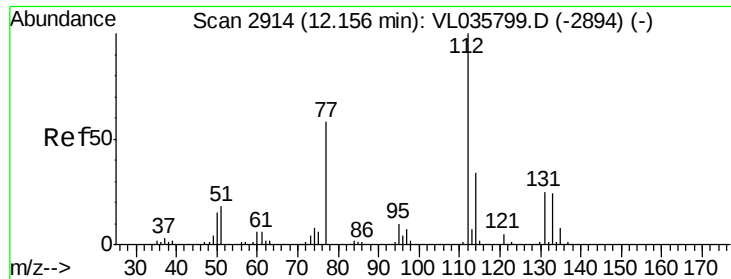
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.706 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion:131 Resp: 2236544
Ion Ratio Lower Upper
131 100
133 95.5 76.8 115.2
119 63.1 47.4 71.0





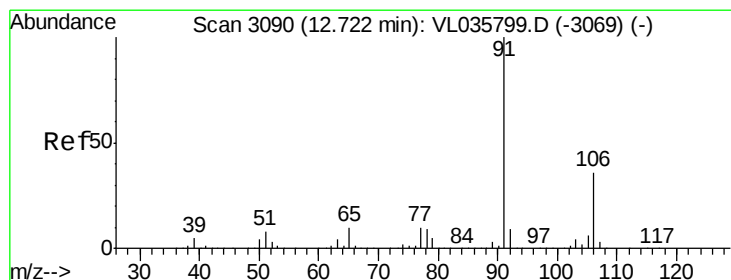
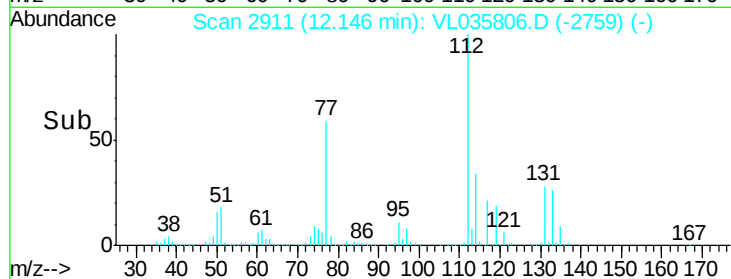
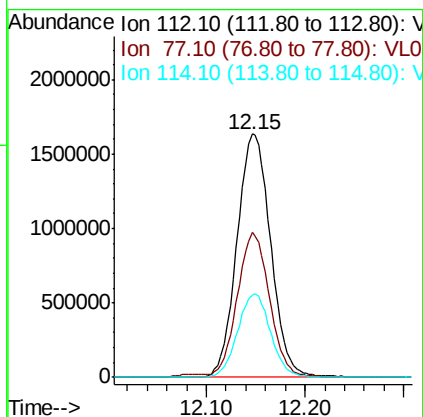
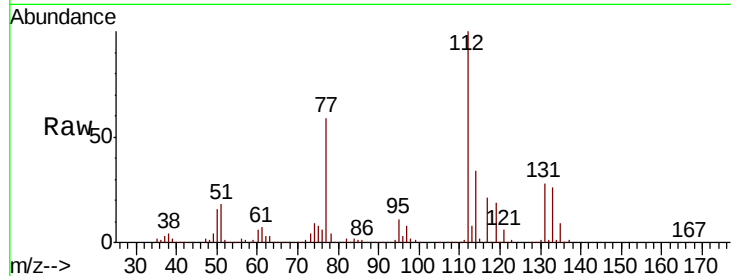
#57
Chlorobenzene
Concen: 8.516 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

Tot Ion: 112 Resp: 3875380
Ion Ratio Lower Upper
112 100
77 59.1 47.5 71.3
114 33.9 30.3 37.1

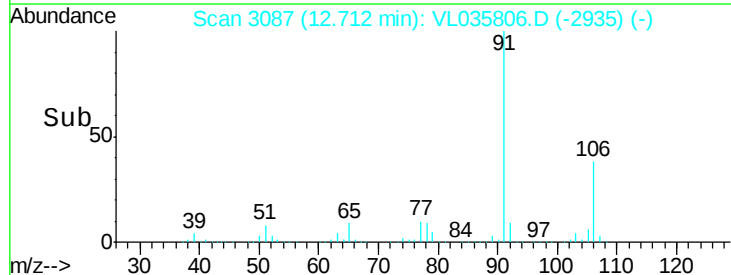
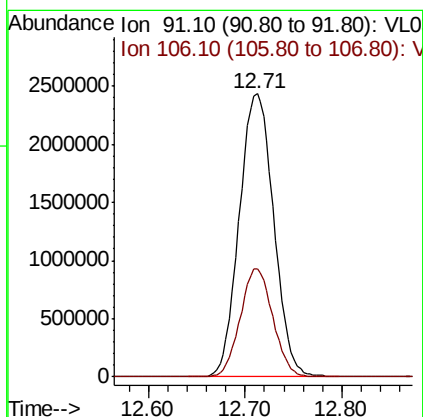
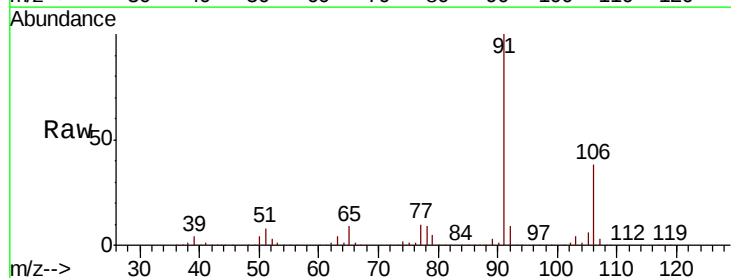
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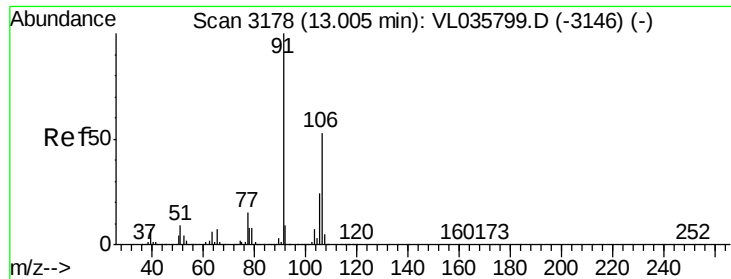
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#58
Ethyl Benzene
Concen: 8.650 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 91 Resp: 6029734
Ion Ratio Lower Upper
91 100
106 38.2 28.6 43.0





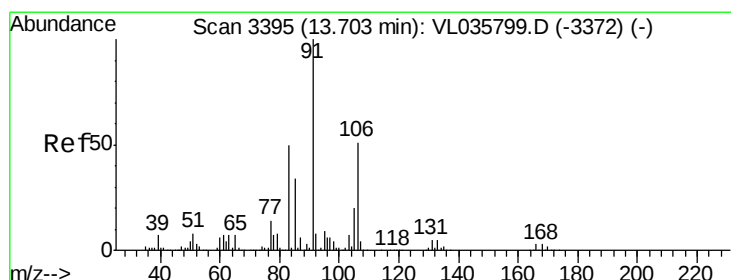
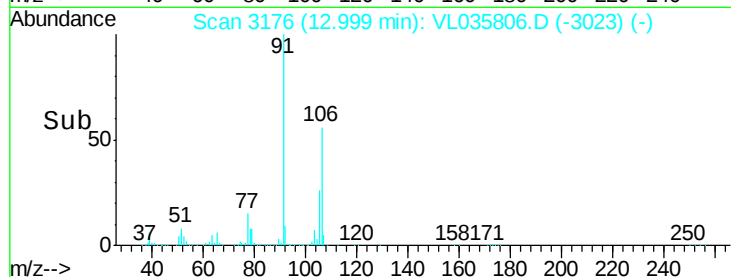
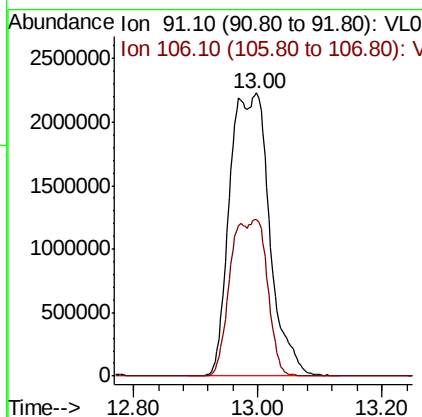
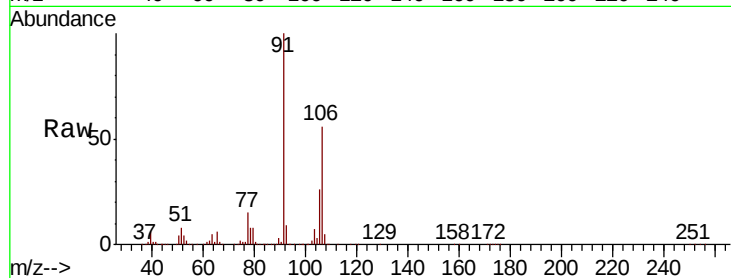
#59
m/p-Xylene
Concen: 16.778 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

Tot Ion: 91 Resp: 9895502
Ion Ratio Lower Upper
91 100
106 51.4 39.5 59.3

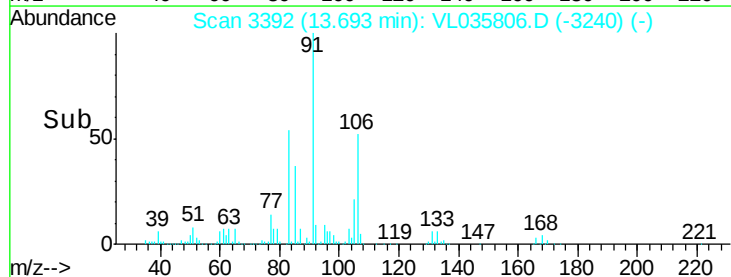
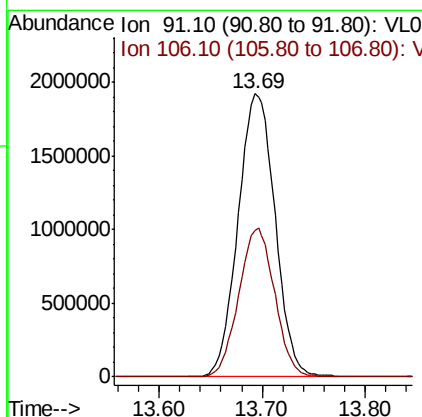
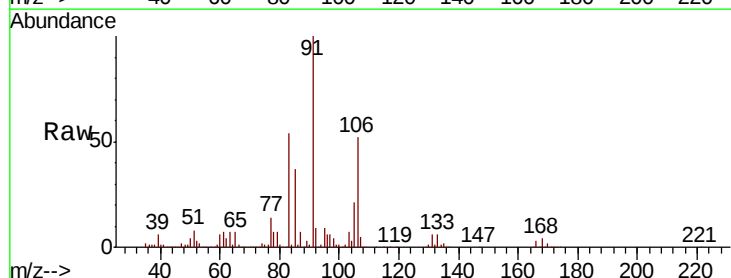
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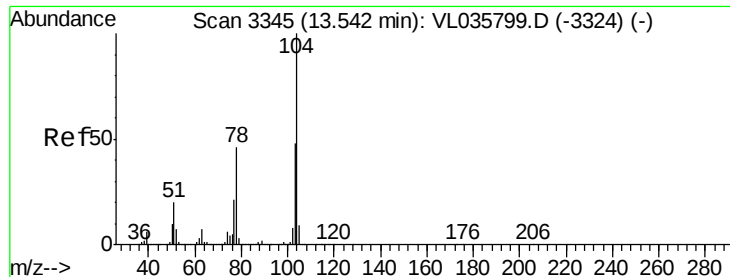
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#60
o-Xylene
Concen: 8.340 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion: 91 Resp: 4784994
Ion Ratio Lower Upper
91 100
106 51.0 24.8 74.4





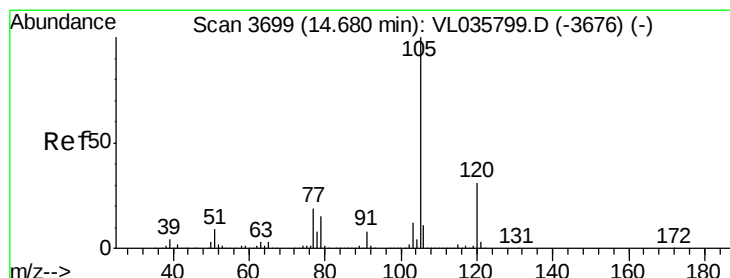
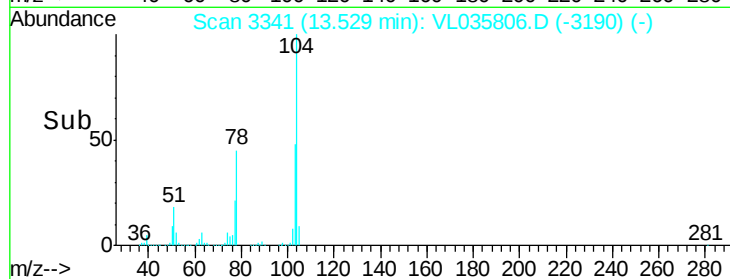
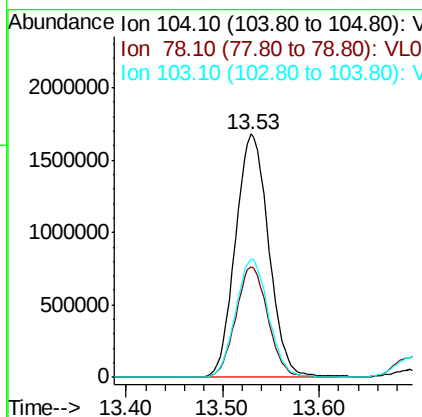
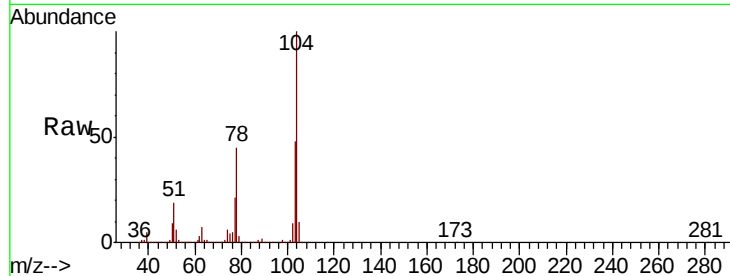
#61
Stvrene
Concen: 9.579 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

Tot Ion:104 Resp: 4026741
Ion Ratio Lower Upper
104 100
78 44.2 37.1 55.7
103 47.8 37.9 56.9

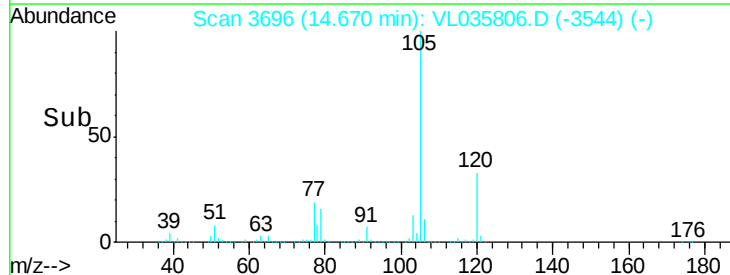
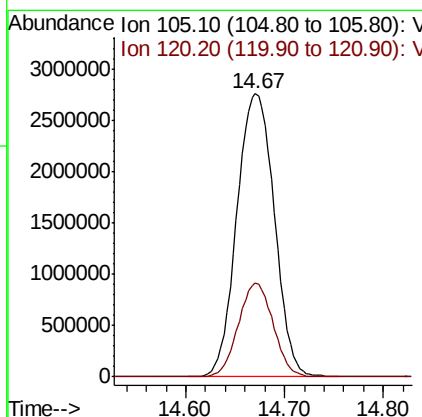
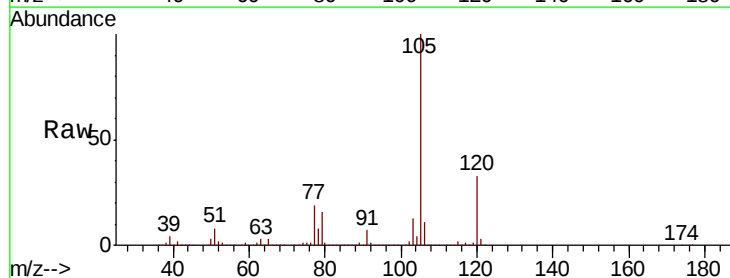
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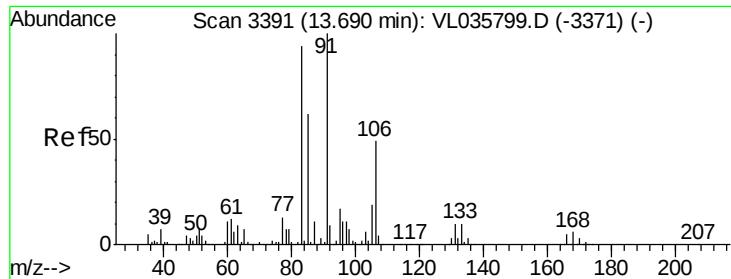
MMDadoda
11/5/2020 2:13:35 PM



#62
Isopropylbenzene
Concen: 8.054 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion:105 Resp: 7262534
Ion Ratio Lower Upper
105 100
120 30.9 23.5 35.3





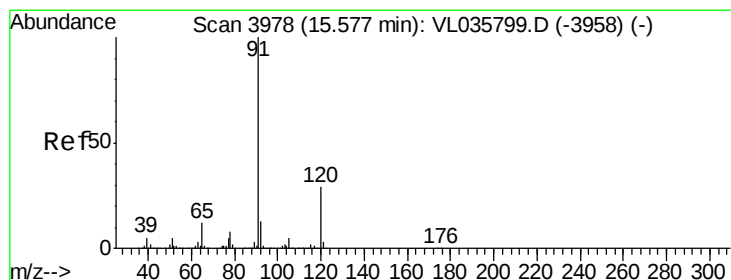
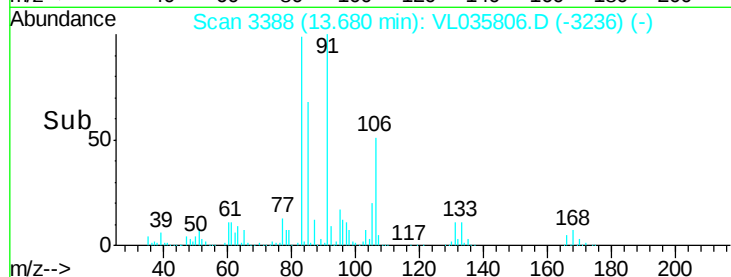
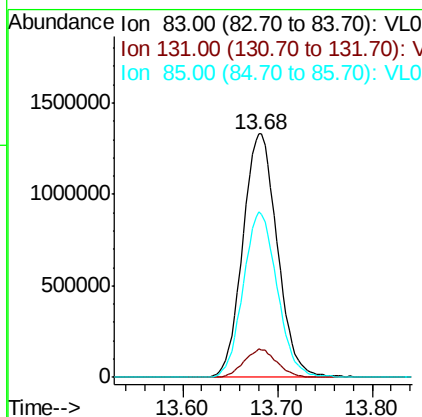
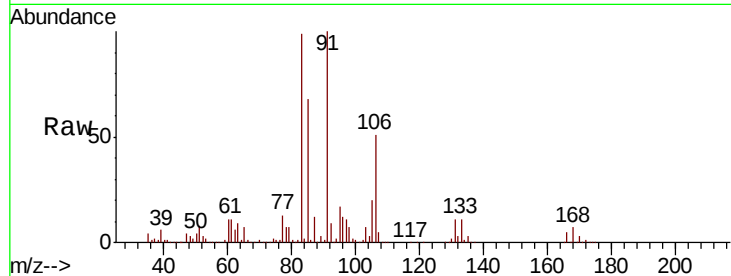
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.591 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Tot Ion: 83 Resp: 3374457
 Ion Ratio Lower Upper
 83 100
 131 11.1 5.3 15.8
 85 67.0 33.5 100.4

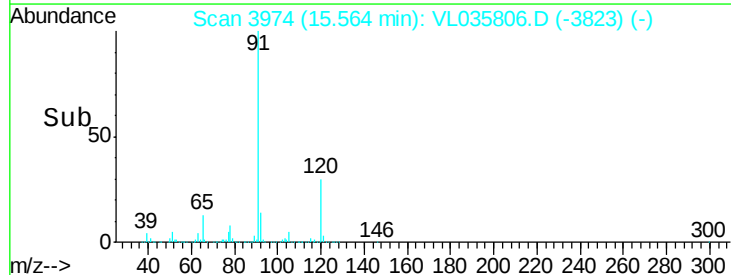
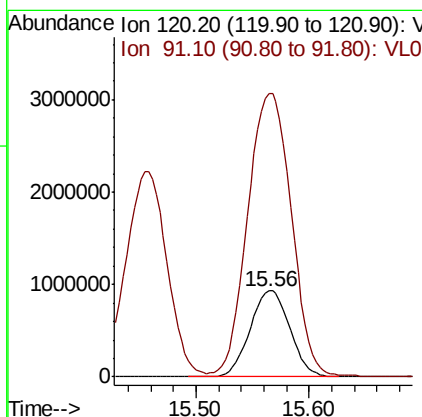
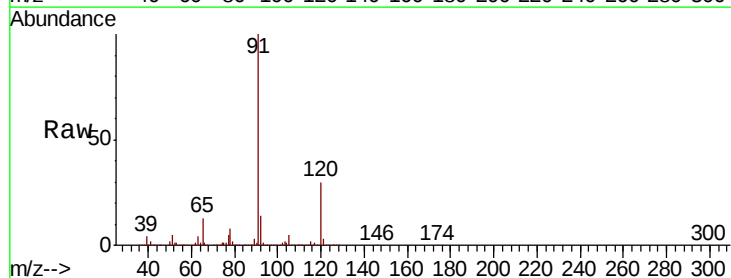
Manual Integrations
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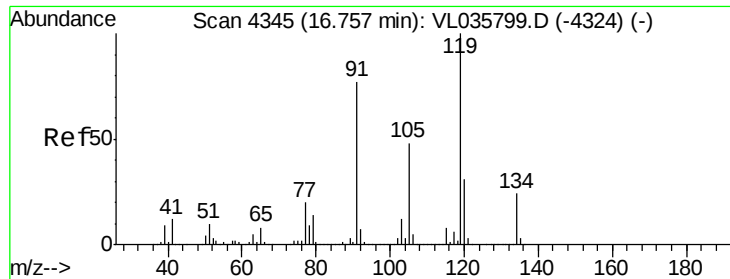
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 11/5/2020 2:13:35 PM



#64
 n-propylbenzene
 Concen: 8.744 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion:120 Resp: 2279086
 Ion Ratio Lower Upper
 120 100
 91 362.2 311.1 466.7





#65

tert-Butylbenzene

Concen: 7.934 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion:119 Resp: 6512029

Ion Ratio Lower Upper

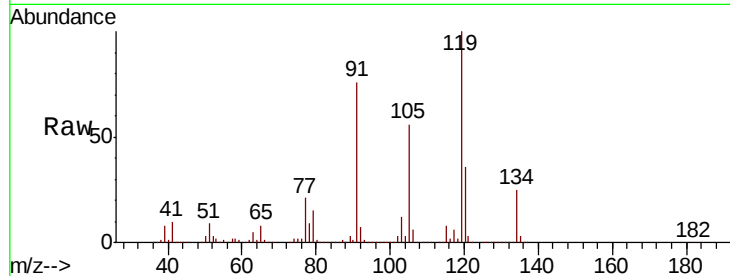
119 100

91 75.2 62.0 93.0

134 23.4 17.8 26.8

Manual Integrations
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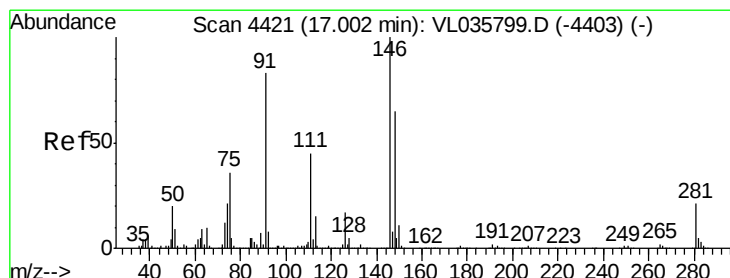
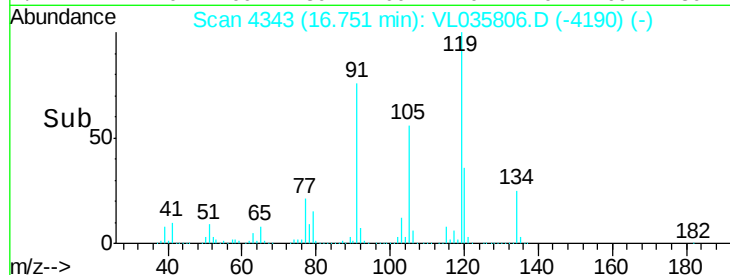
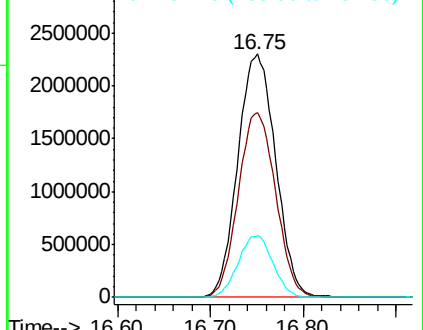
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.521 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

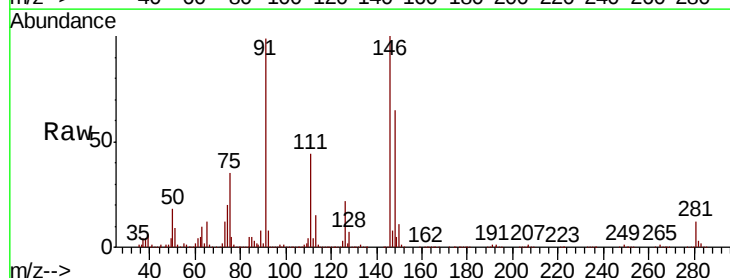
Tgt Ion: 91 Resp: 2854523

Ion Ratio Lower Upper

91 100

126 22.1 16.0 24.0

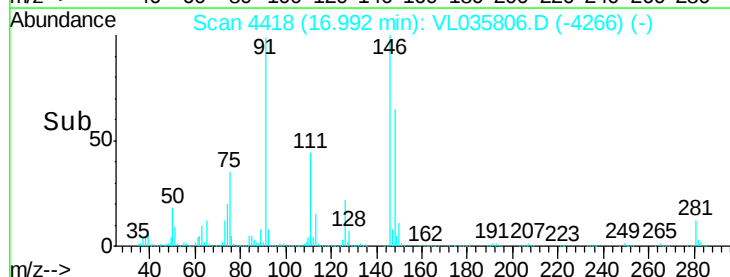
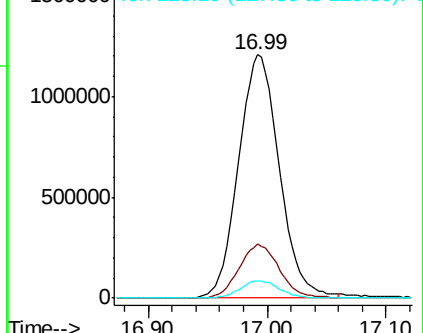
128 7.0 5.0 7.4

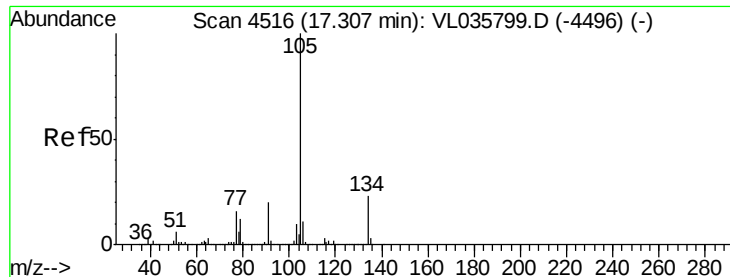


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.785 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion:105 Resp: 8611418

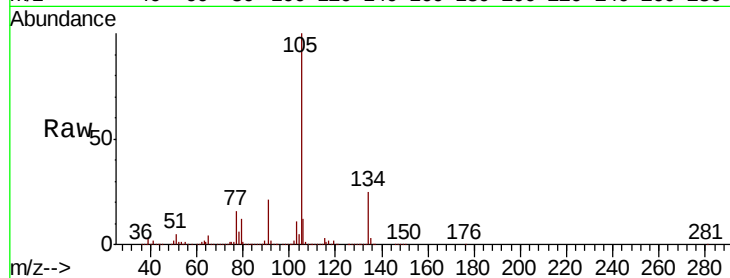
Ion Ratio Lower Upper

105 100

134 22.9 17.0 25.6

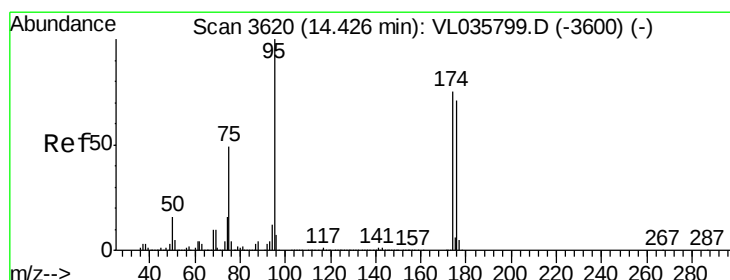
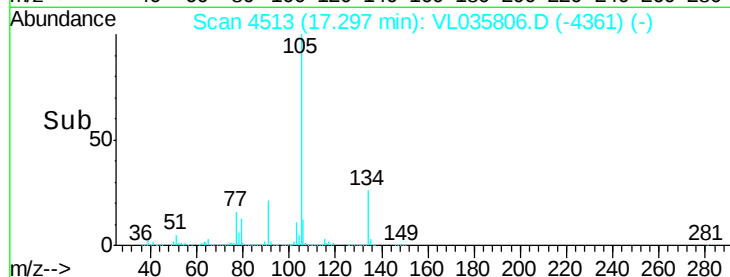
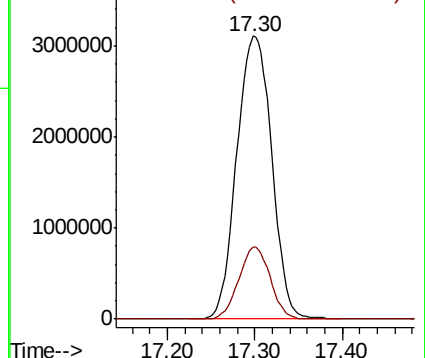
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.979 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

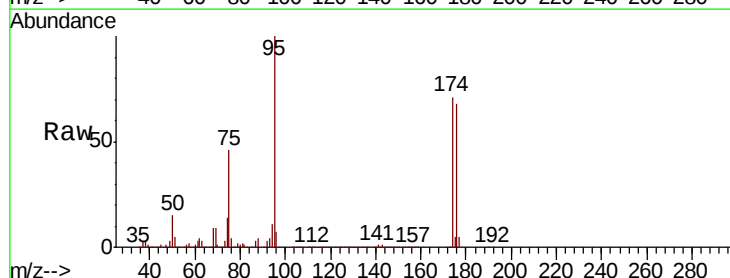
Tgt Ion: 95 Resp: 4057778

Ion Ratio Lower Upper

95 100

174 72.4 59.8 89.6

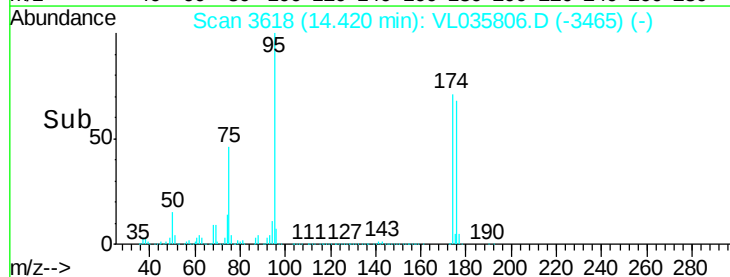
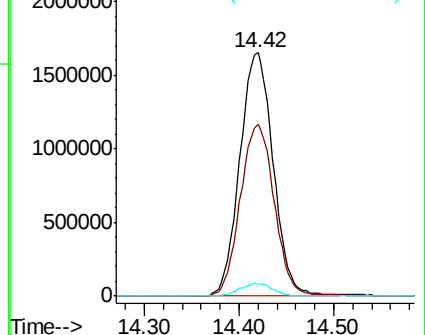
175 5.2 4.3 6.5

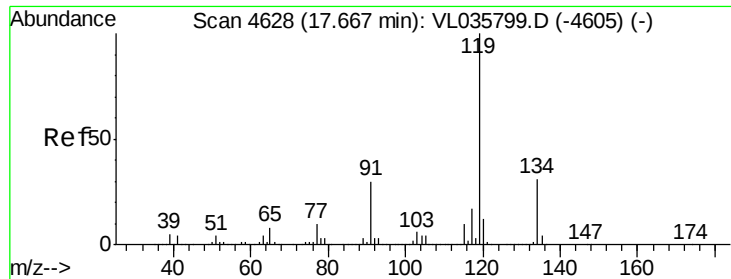


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





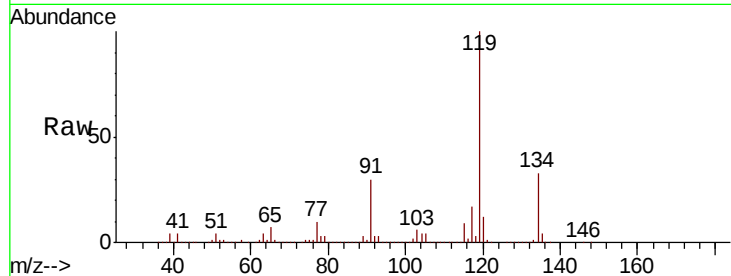
#69
p-Isopropyltoluene
Concen: 8.108 ppbv
RT: 17.66 min Scan# 4625
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110320

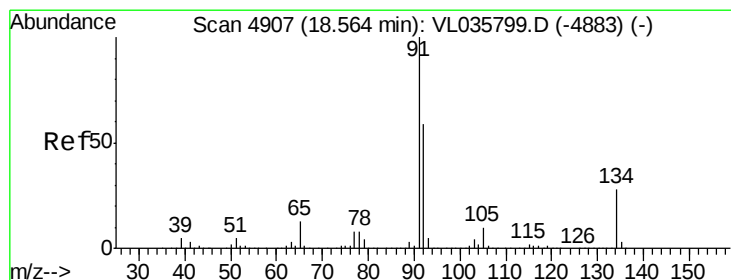
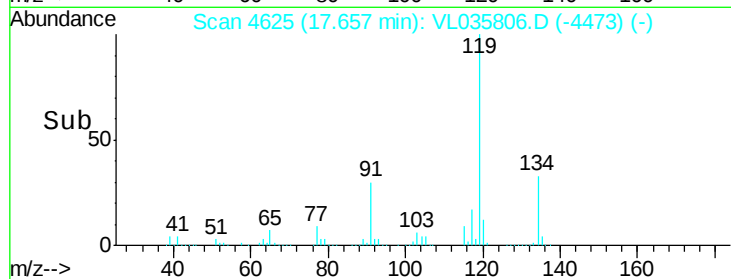
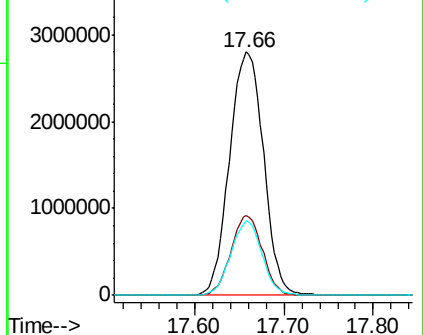
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.5	23.0	34.6
91	28.2	22.8	34.2

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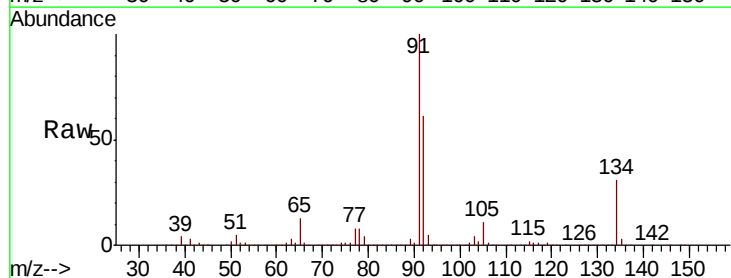


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

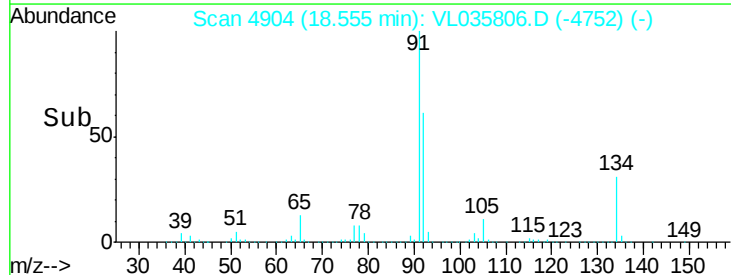
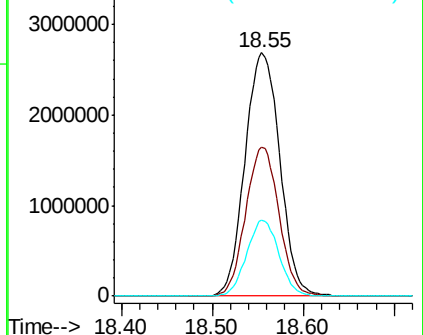


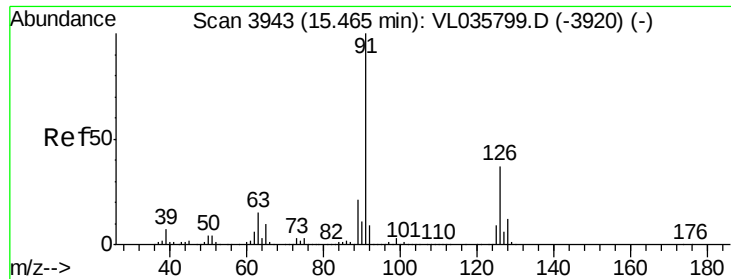
#70
n-Butylbenzene
Concen: 8.132 ppbv
RT: 18.55 min Scan# 4904
Delta R.T. -0.01 min
Lab File: VL035806.D
Acq: 3 Nov 2020 15:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.7	45.7	68.5
134	29.2	21.0	31.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.456 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion: 91 Resp: 5577155

Ion Ratio Lower Upper

91 100

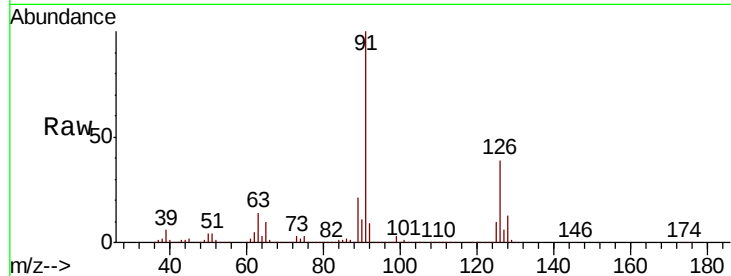
126 38.1 14.3 57.1

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL035799.D (-3920) (-)

Ion 126.10 (125.80 to 126.80): VL035799.D (-3920) (-)

3000000

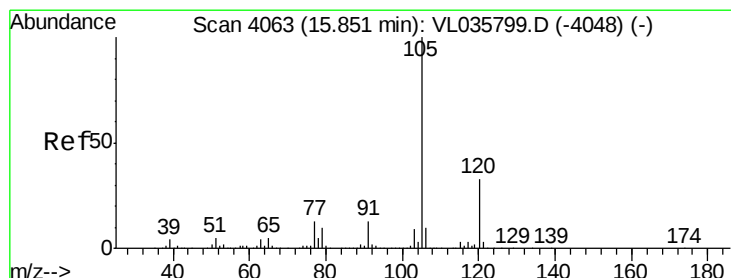
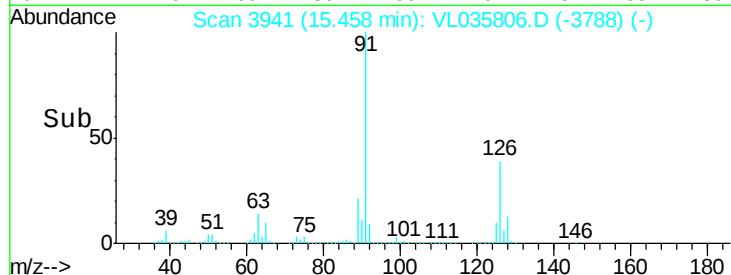
2000000

1000000

0

15.40 15.46 15.50

Time-->



#72

4-Ethyltoluene

Concen: 8.538 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Tgt Ion: 105 Resp: 5941101

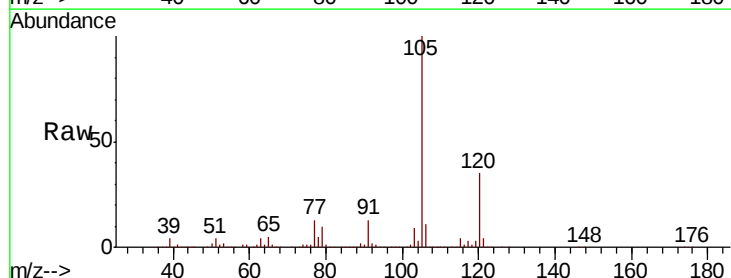
Ion Ratio Lower Upper

105 100

120 33.9 25.9 38.9

91 12.1 9.9 14.9

77 12.3 10.2 15.2



Abundance Ion 105.10 (104.80 to 105.80): VL035799.D (-4048) (-)

Ion 120.20 (119.90 to 120.90): VL035799.D (-4048) (-)

Ion 91.10 (90.80 to 91.80): VL035799.D (-4048) (-)

Ion 77.10 (76.80 to 77.80): VL035799.D (-4048) (-)

3000000

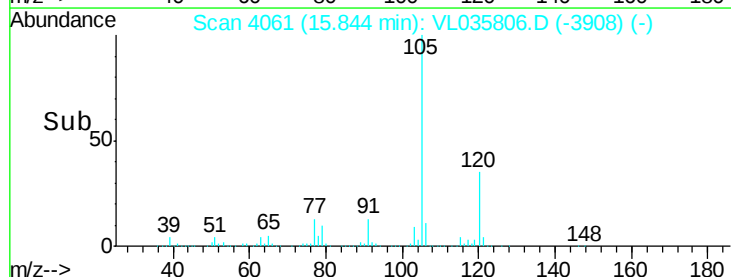
2000000

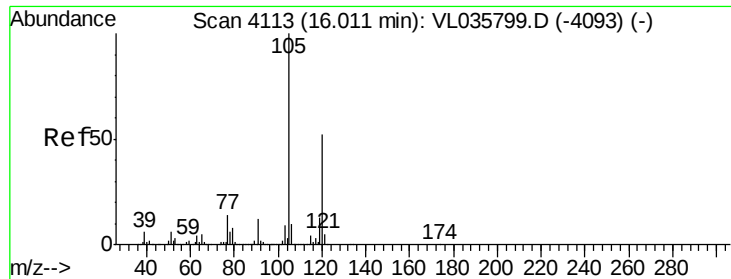
1000000

0

15.80 15.84 15.90

Time-->





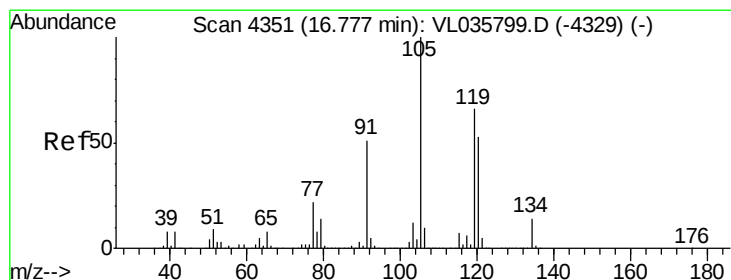
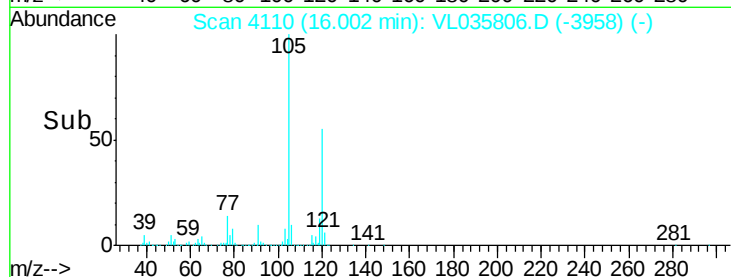
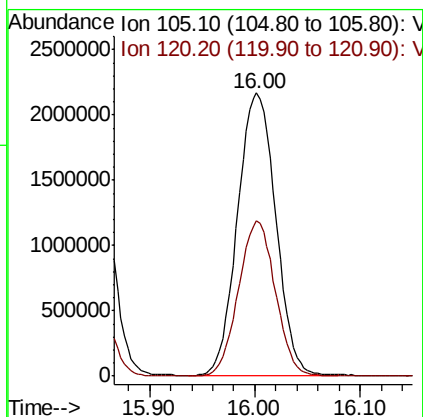
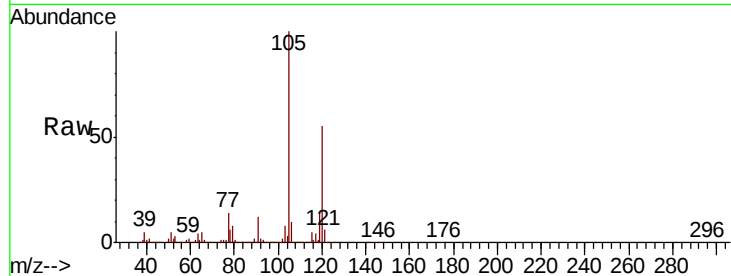
#73
 1,3,5-Trimethylbenzene
 Concen: 8.538 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Tot Ion:105 Resp: 5436932
 Ion Ratio Lower Upper
 105 100
 120 54.9 41.4 62.2

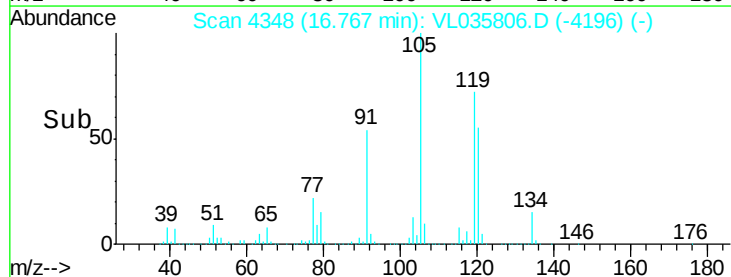
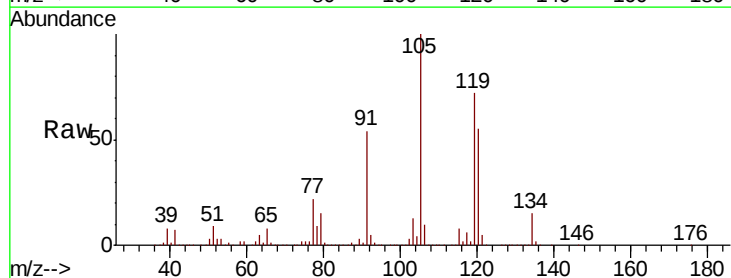
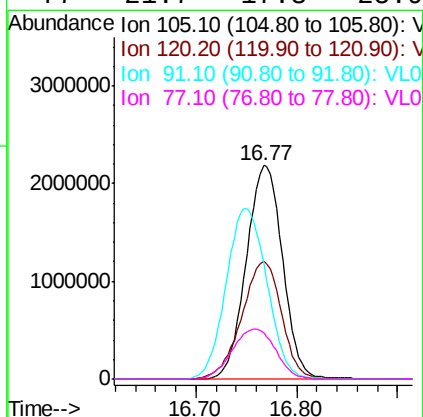
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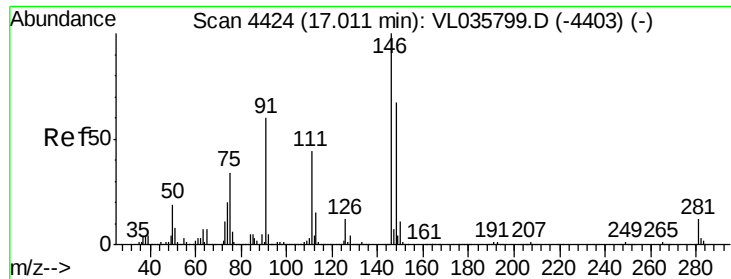
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#74
 1,2,4-Trimethylbenzene
 Concen: 7.998 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion:105 Resp: 5457032
 Ion Ratio Lower Upper
 105 100
 120 55.1 42.0 63.0
 91 53.9 41.0 61.6
 77 21.7 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 8.297 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion:146 Resp: 3604663

Ion Ratio Lower Upper

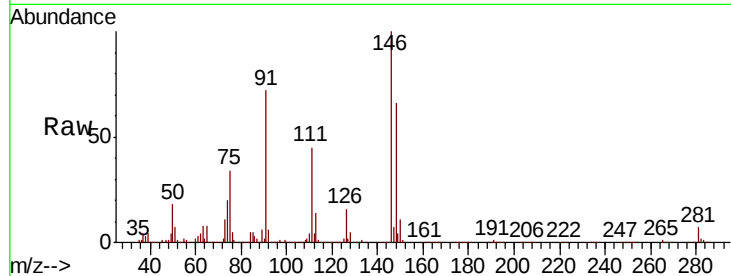
146 100

111 44.0 21.8 65.4

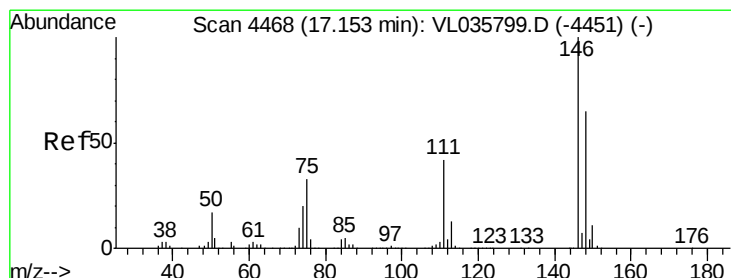
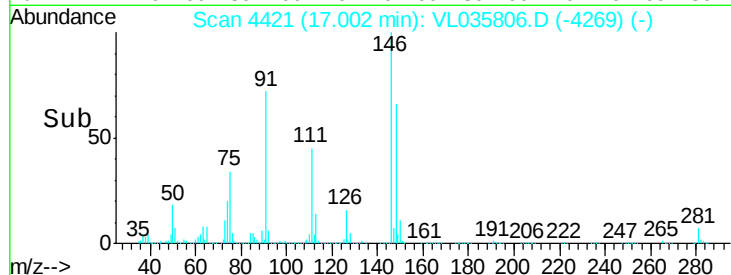
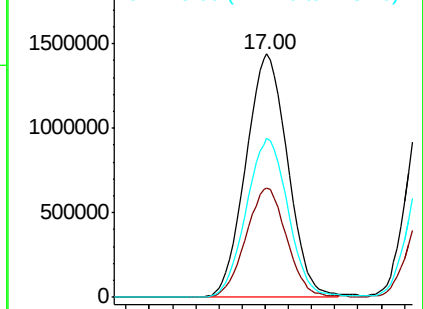
148 65.5 32.5 97.5

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Abundance Ion 146.00 (145.70 to 146.70): V
2000000 Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.637 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

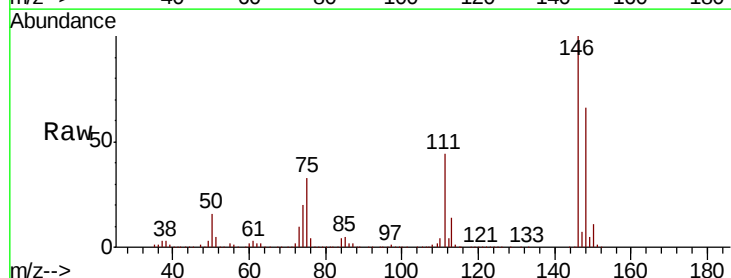
Tgt Ion:146 Resp: 3619697

Ion Ratio Lower Upper

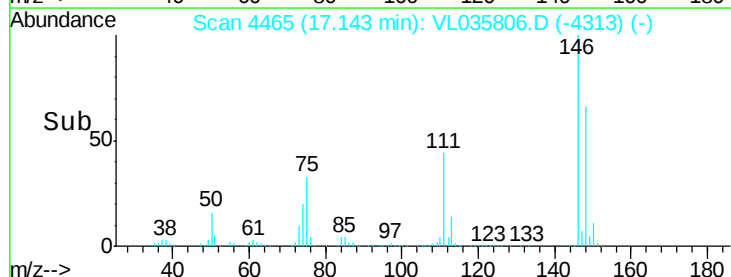
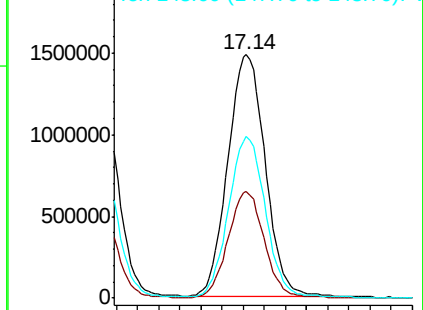
146 100

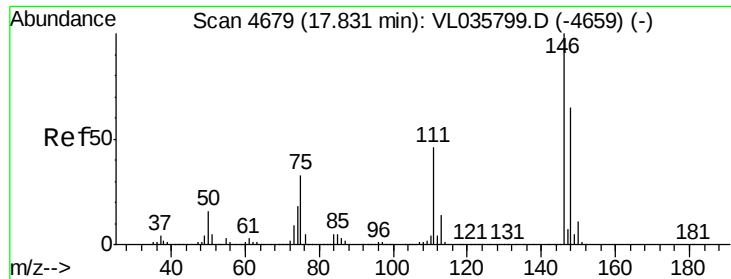
111 43.3 21.3 63.7

148 67.1 33.0 99.0



Abundance Ion 146.00 (145.70 to 146.70): V
2000000 Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





#77
 1,2-Dichlorobenzene
 Concen: 8.423 ppbv
 RT: 17.82 min Scan# 4676
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

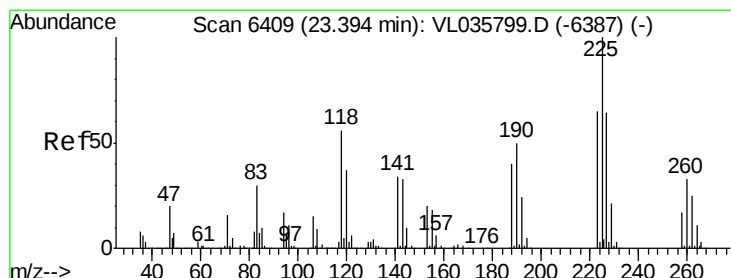
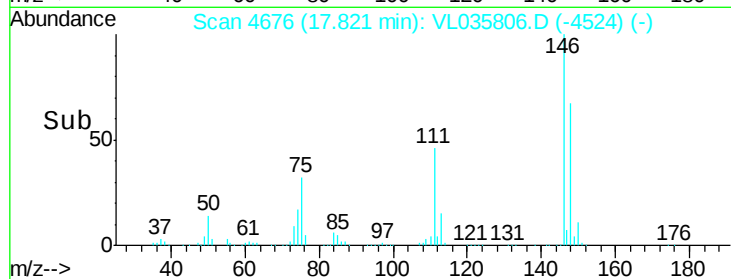
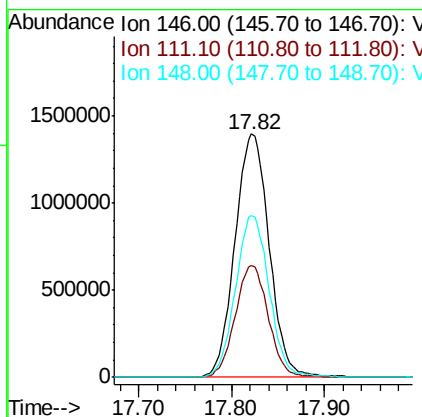
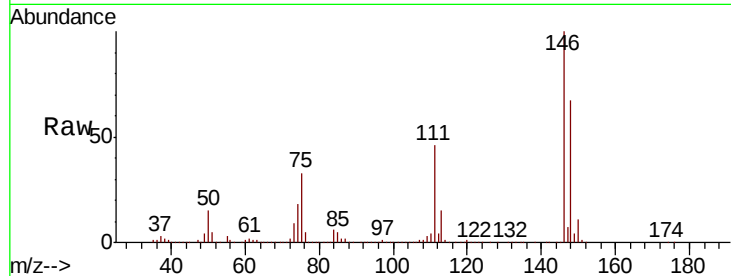
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Tot Ion:146 Resp: 3567260

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.0
148	65.5	32.5	97.5

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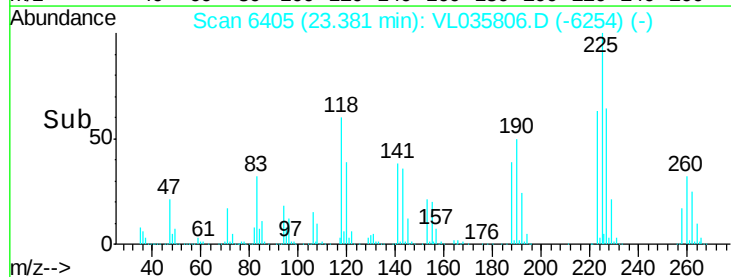
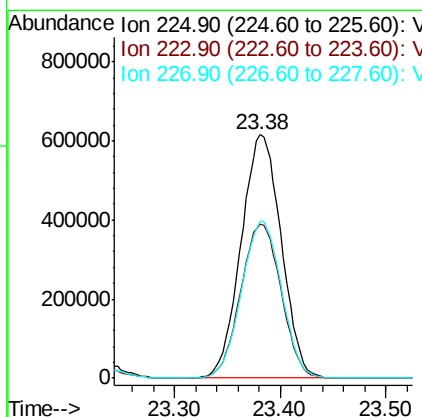
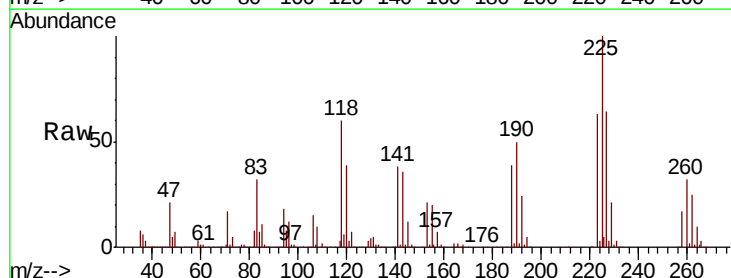
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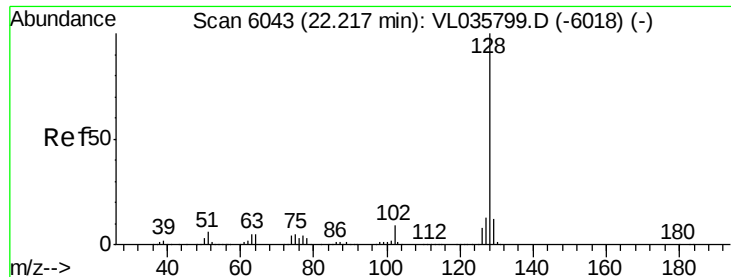


#78
 Hexachloro-1,3-Butadiene
 Concen: 8.233 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Tgt Ion:225 Resp: 1626864

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.0	76.6
227	64.5	51.2	76.8





#79

Naphthalene

Concen: 10.938 ppbv

RT: 22.20 min Scan# 6039

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110320

Tot Ion:128 Resp: 5202383

Ion Ratio Lower Upper

128 100

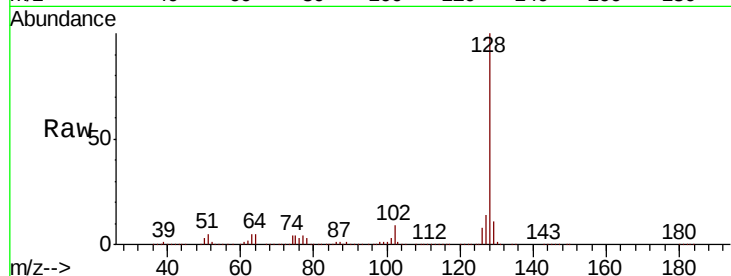
127 13.5 10.2 15.4

129 11.5 9.2 13.8

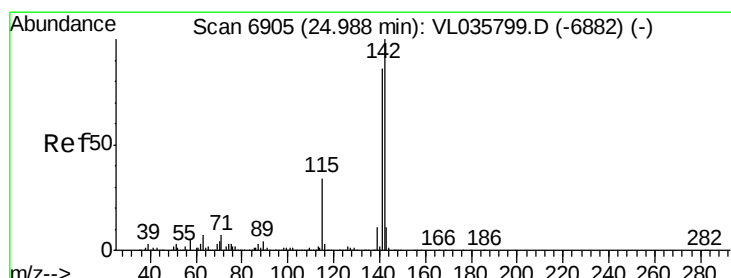
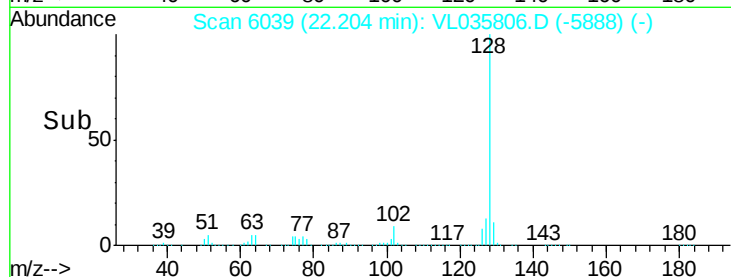
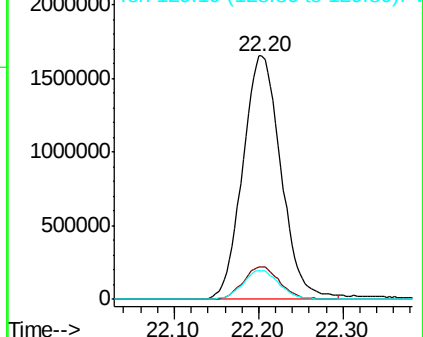
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 20.132 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. -0.01 min

Lab File: VL035806.D

Acq: 3 Nov 2020 15:15

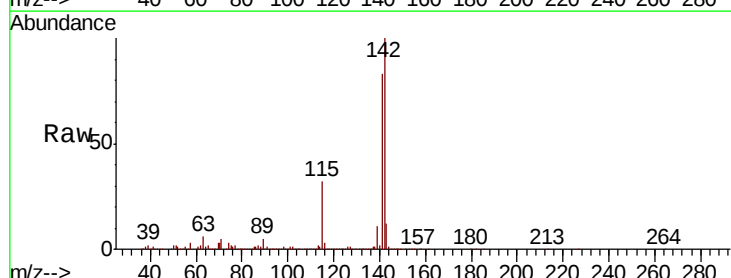
Tgt Ion:142 Resp: 1560503

Ion Ratio Lower Upper

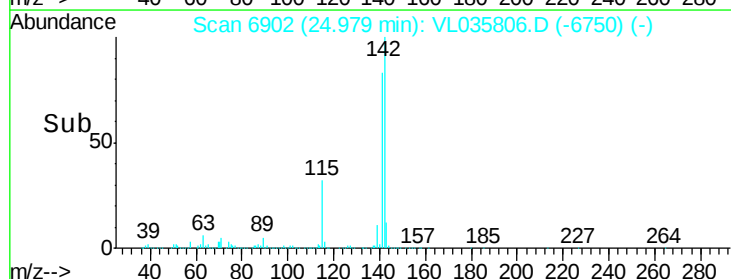
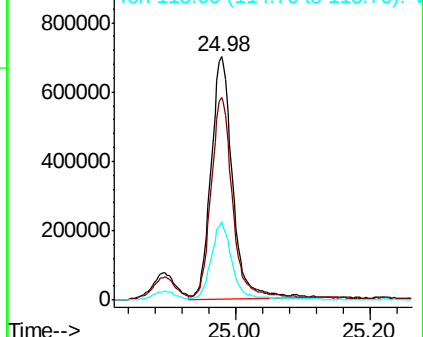
142 100

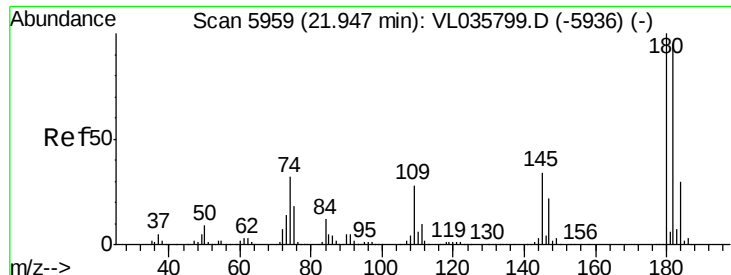
141 83.8 67.8 101.8

115 30.5 28.1 42.1



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: 9.684 ppbv
 RT: 21.93 min Scan# 5955
 Delta R.T. -0.01 min
 Lab File: VL035806.D
 Acq: 3 Nov 2020 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.2	115.8
184	31.4	24.7	37.1

Manual Integrations
 APPROVED

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