

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL035994.D
 Acq On : 24 Nov 2020 11:30
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:14:20 PM

Quant Time: Nov 25 08:40:49 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	5.65	49	1228916	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4459617	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4473797m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3478302	10.94	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1731529	7.484	ppbv 99
3) Chlorodifluoromethane	2.97	51	1396787	9.491	ppbv 100
4) Chloromethane	3.12	50	703804	9.844	ppbv 100
5) Vinyl Chloride	3.24	62	878763	9.642	ppbv 96
6) Bromomethane	3.45	94	711082	9.702	ppbv 99
7) Chloroethane	3.54	64	325316	10.142	ppbv 96
8) Dichlorotetrafluoroethane	3.17	85	2411205	9.106	ppbv 98
9) Propene	2.99	41	512148	9.508	ppbv 98
10) Heptane	8.10	43	1546084	10.392	ppbv 99
11) Trichlorofluoromethane	3.93	101	2902327	9.990	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2182182	10.088	ppbv 97
13) Ethanol	3.58	45	97701	8.361	ppbv 100
14) Bromoethene	3.72	108	922614	9.268	ppbv 100
15) Acetone	3.83	43	1238806	9.429	ppbv 99
16) 1,3-Butadiene	3.31	39	569680	10.071	ppbv 97
17) tert-Butyl alcohol	4.27	59	1629068	9.356	ppbv 100
18) 1,1-Dichloroethene	4.27	96	1001145	10.081	ppbv 100
19) Isopropyl Alcohol	3.95	45	798532	9.890	ppbv 98
20) Methylene Chloride	4.32	84	838920	9.070	ppbv 98
21) Allyl Chloride	4.39	41	734917	10.344	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	1008425	10.016	ppbv 97
23) Vinyl Acetate	5.05	43	1617261	8.782	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1711450	9.754	ppbv 100
25) Ethyl Acetate	5.65	43	2620034	10.123	ppbv 99
26) Hexane	5.66	57	1366854	9.576	ppbv 97
27) Carbon Disulfide	4.53	76	2213627	10.350	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	2247510	8.768	ppbv 99
29) Chloroform	5.73	83	2643199	9.421	ppbv 98
30) Cyclohexane	7.11	84	1402366	9.021	ppbv 96
31) cis-1,2-Dichloroethene	5.53	61	1366844	9.308	ppbv 97
32) 1,1,1-Trichloroethane	6.49	97	2528529	8.637	ppbv 98
34) 2-Butanone	5.22	43	1611488	11.134	ppbv 97
35) Carbon Tetrachloride	7.00	117	2518501	10.570	ppbv 99
36) Benzene	6.87	78	3293772	9.935	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1650000	10.986	ppbv 99
38) Trichloroethene	7.82	130	1517431	9.370	ppbv 98
39) 1,2-Dichloropropane	7.59	63	1176887	10.544	ppbv 98
40) 1,4-Dioxane	7.81	88	548980	10.377	ppbv 92
41) Tetrahydrofuran	6.03	42	946368	11.509	ppbv 96
42) Bromodichloromethane	7.77	83	2739334	10.809	ppbv 99
43) Methyl Methacrylate	7.99	69	1369419	10.829	ppbv 96

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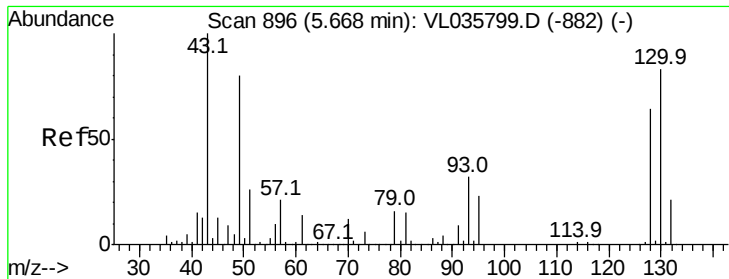
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4711946	10.740	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1421380	10.603	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1804725	10.630	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1543311	10.147	ppbv	97
48) Dibromochloromethane	10.28	129	2489372	10.713	ppbv	100
49) Bromoform	13.02	173	2040509	10.407	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2585280	11.682	ppbv	98
51) 2-Hexanone	10.11	43	2078397	11.691	ppbv #	97
52) Tetrachloroethene	11.20	164	1356042	8.633	ppbv	98
53) Toluene	9.79	91	3999528	9.998	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2297411	9.932	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1937258	9.648	ppbv	98
57) Chlorobenzene	12.13	112	3235259	9.095	ppbv	97
58) Ethyl Benzene	12.69	91	5143035	9.439	ppbv	99
59) m/p-Xylene	12.98	91	8865025m	19.230	ppbv	
60) o-Xylene	13.67	91	4353968	9.709	ppbv	99
61) Styrene	13.51	104	3174517	9.661	ppbv	99
62) Isopropylbenzene	14.65	105	6397595	9.076	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3188882	9.177	ppbv	99
64) n-propylbenzene	15.55	120	1863006	9.144	ppbv	94
65) tert-Butylbenzene	16.73	119	5712640	8.904	ppbv	98
66) Benzyl Chloride	16.97	91	2009101	9.474	ppbv	98
67) sec-Butylbenzene	17.28	105	7692666	8.897	ppbv	98
69) p-Isopropyltoluene	17.64	119	6259953	8.774	ppbv	99
70) n-Butylbenzene	18.54	91	6298844	9.167	ppbv	99
71) 2-Chlorotoluene	15.44	91	4823218	9.355	ppbv	97
72) 4-Ethyltoluene	15.82	105	5034807	9.257	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4633364	9.309	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4877751	9.146	ppbv	100
75) 1,3-Dichlorobenzene	16.98	146	2931900	8.634	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2859586	8.729	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2795168	8.444	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1286471	8.329	ppbv	100
79) Naphthalene	22.18	128	3041254	8.180	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	347097	5.729	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1590661	7.658	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

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MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1228916

Ion Ratio Lower Upper

49 100

128 77.6 41.5 124.6

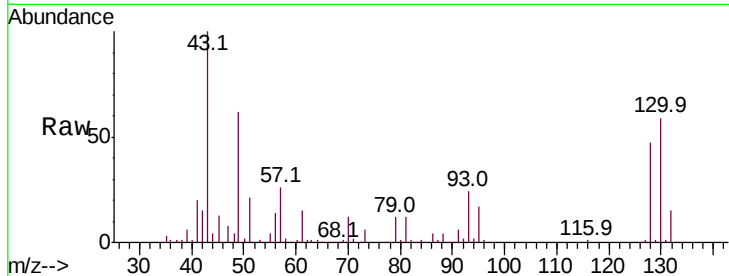
130 100.0 53.7 161.1

Manual Integrations

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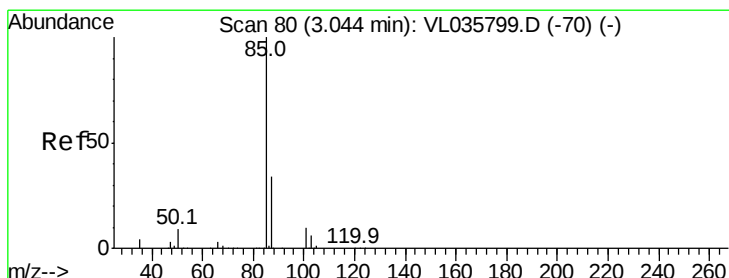
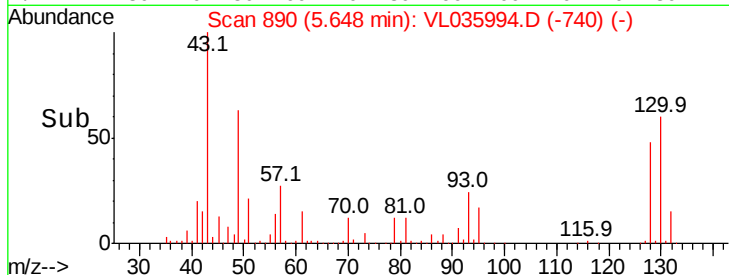
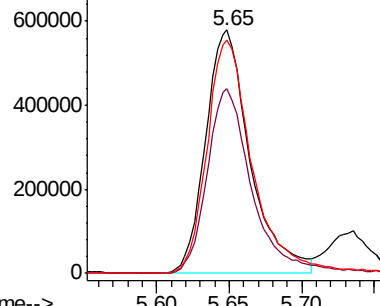
11/27/2020 1:14:20 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.484 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL035994.D

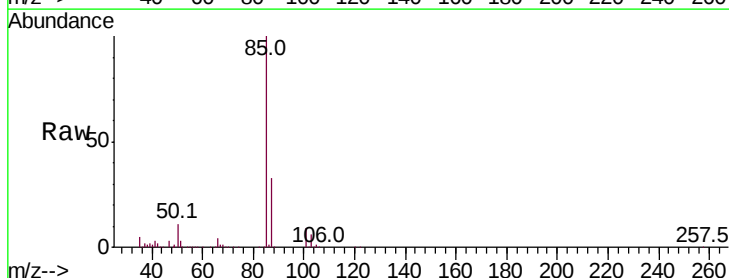
Acq: 24 Nov 2020 11:30

Tgt Ion: 85 Resp: 1731529

Ion Ratio Lower Upper

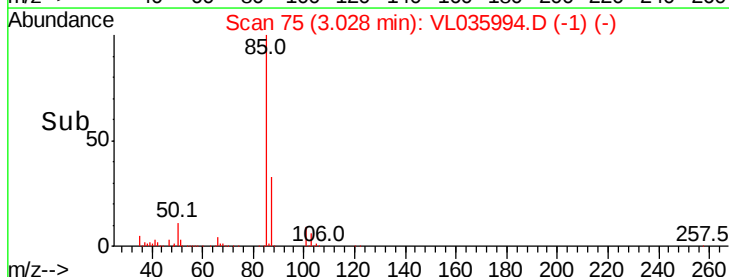
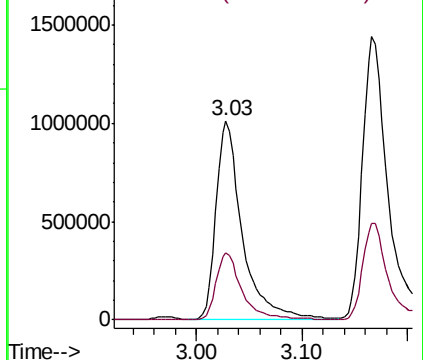
85 100

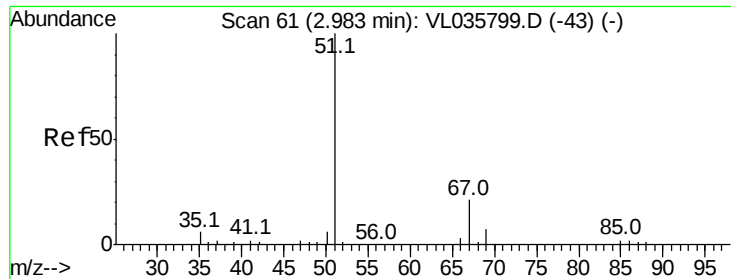
87 33.4 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.491 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1396787

Ion Ratio Lower Upper

51 100

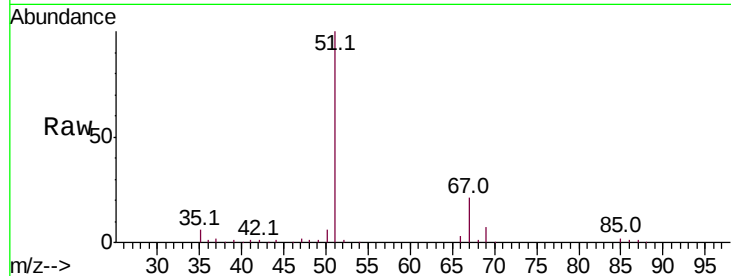
67 21.1 17.0 25.4

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

800000

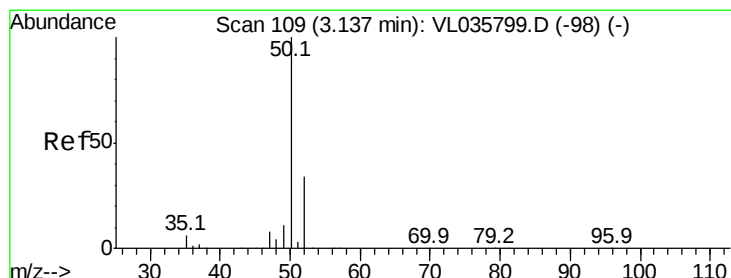
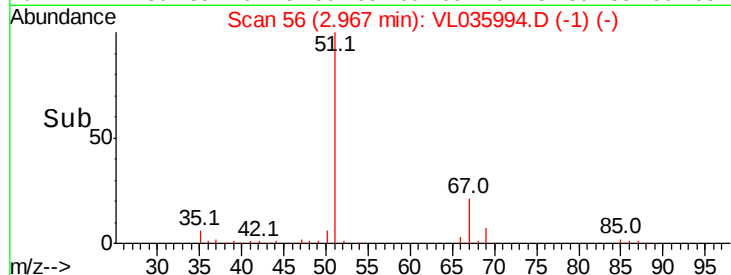
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.844 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL035994.D

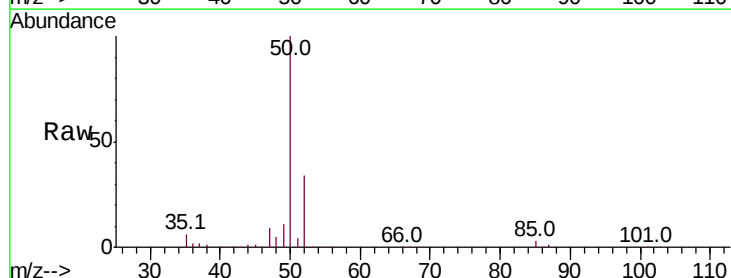
Acq: 24 Nov 2020 11:30

Tgt Ion: 50 Resp: 703804

Ion Ratio Lower Upper

50 100

52 33.9 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

400000

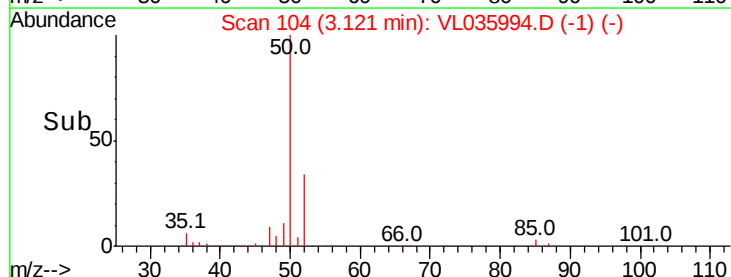
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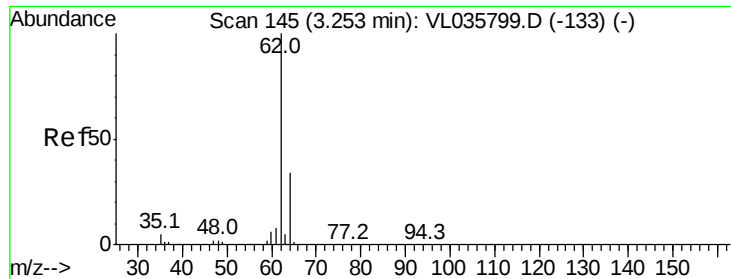
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.642 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 878763

Ion Ratio Lower Upper

62 100

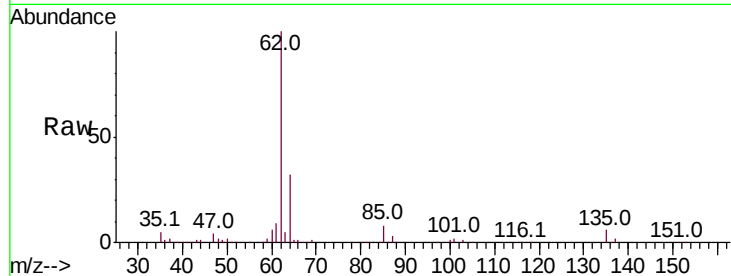
64 31.6 26.9 40.3

Manual Integrations

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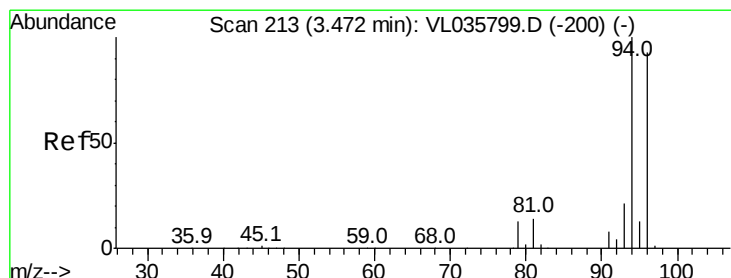
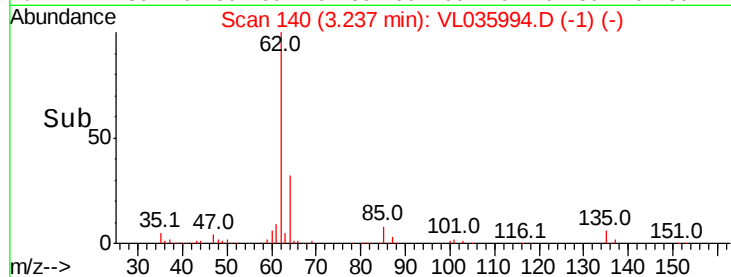
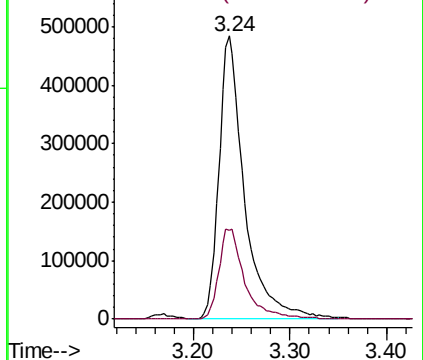
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.702 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.02 min

Lab File: VL035994.D

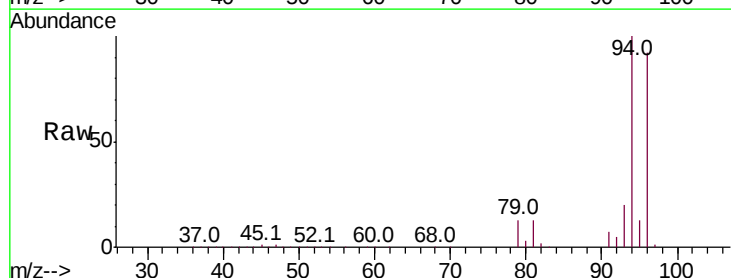
Acq: 24 Nov 2020 11:30

Tgt Ion: 94 Resp: 711082

Ion Ratio Lower Upper

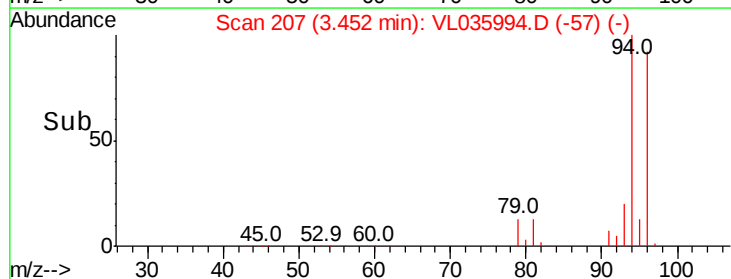
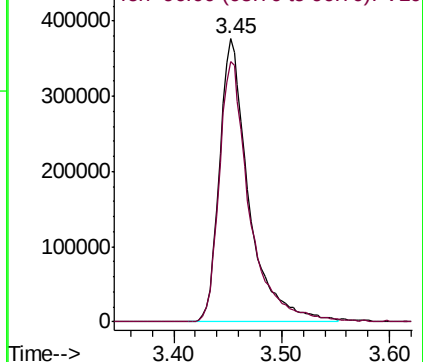
94 100

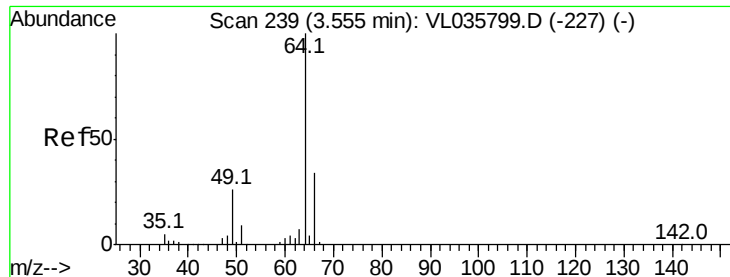
96 91.9 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.142 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 325316

Ion Ratio Lower Upper

64 100

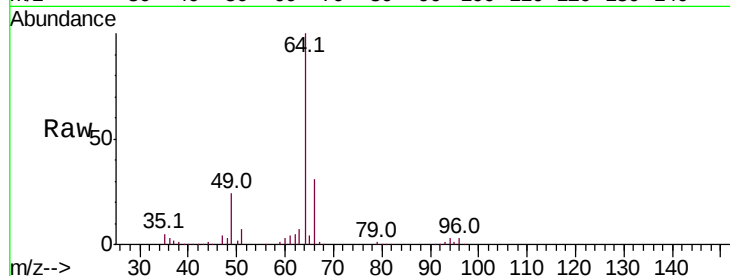
66 31.4 27.0 40.6

Manual Integrations

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11/27/2020 1:14:20 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

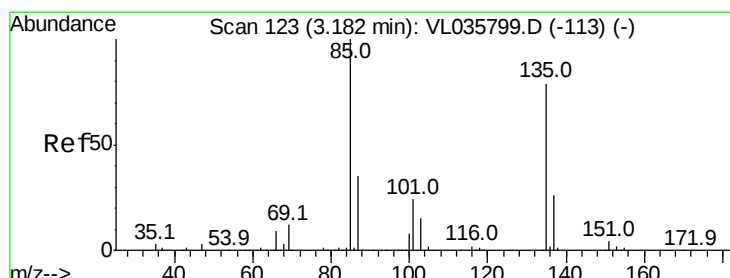
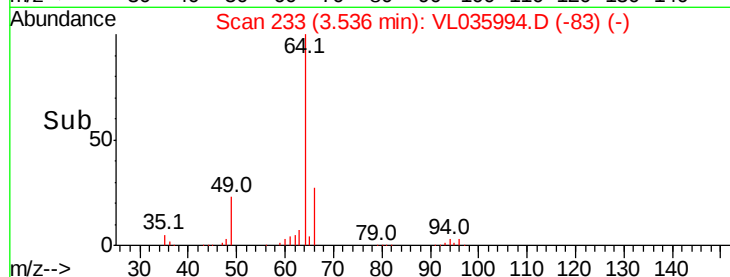
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100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.106 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL035994.D

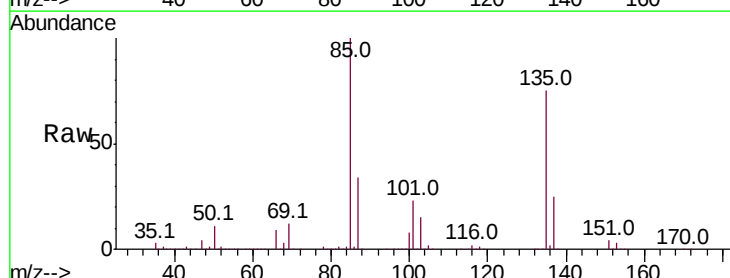
Acq: 24 Nov 2020 11:30

Tgt Ion: 85 Resp: 2411205

Ion Ratio Lower Upper

85 100

135 78.8 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

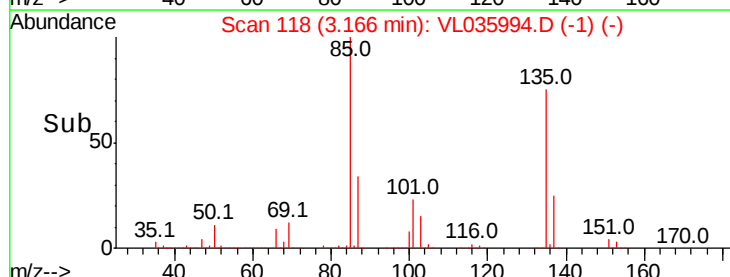
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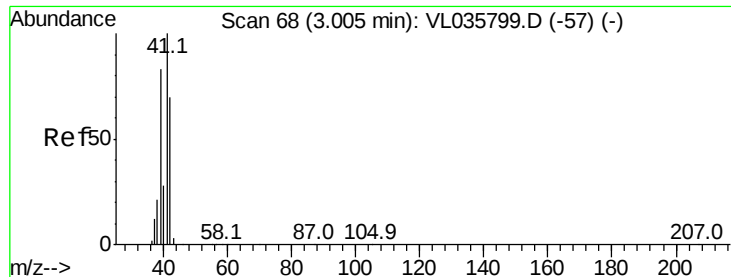
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500000

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Time-->





#9

Propene

Concen: 9.508 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 512148

Ion Ratio Lower Upper

41 100

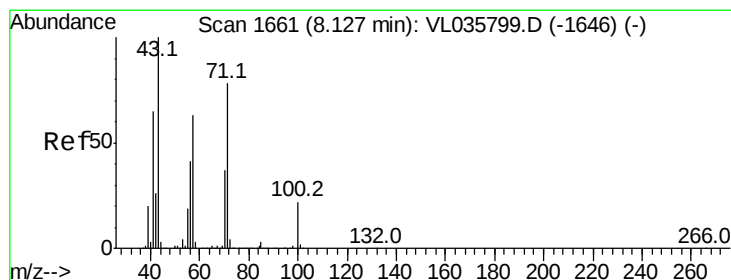
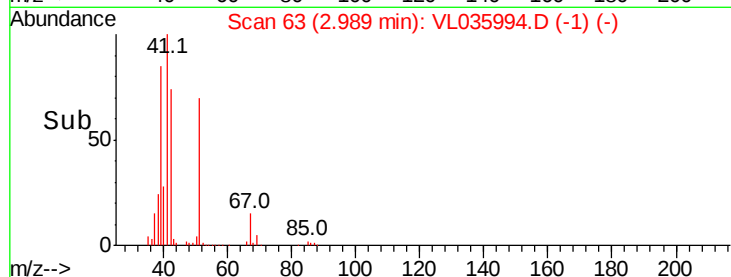
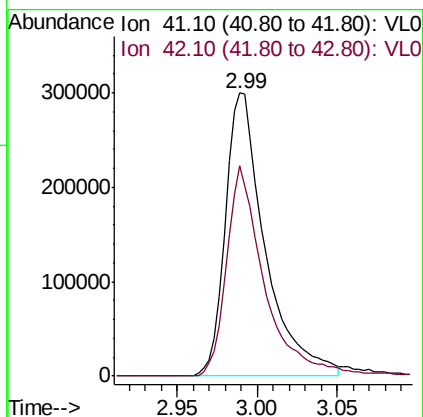
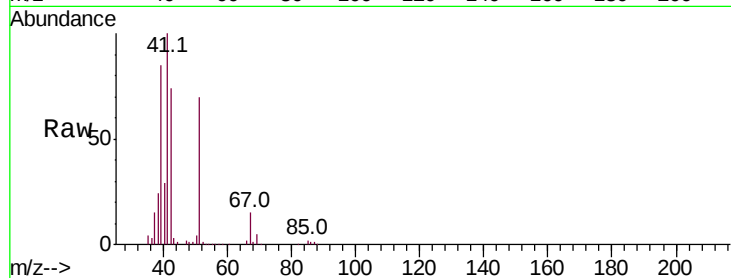
42 71.8 56.2 84.4

Manual Integrations

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11/27/2020 1:14:20 PM



#10

Heptane

Concen: 10.392 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL035994.D

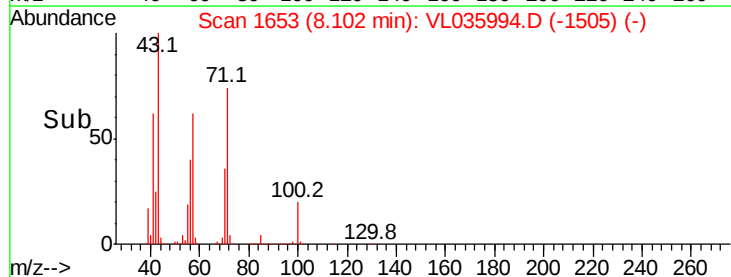
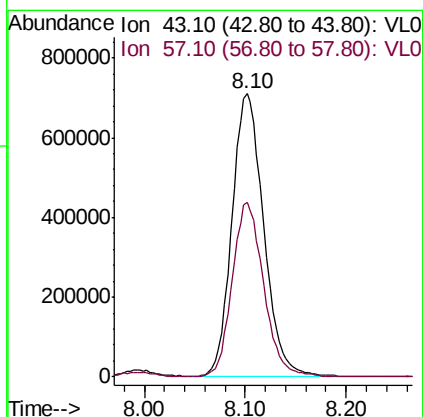
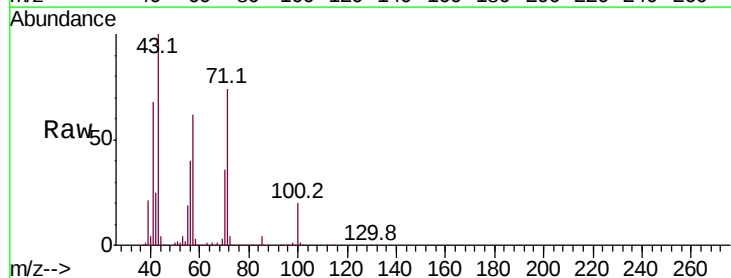
Acq: 24 Nov 2020 11:30

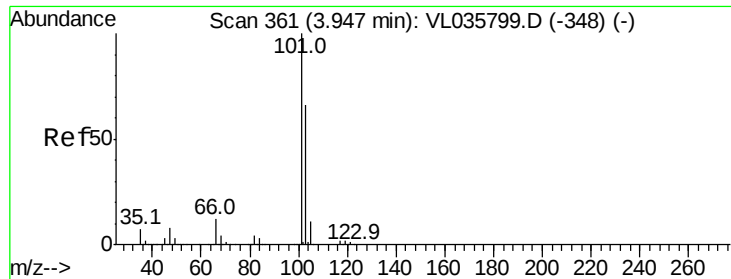
Tgt Ion: 43 Resp: 1546084

Ion Ratio Lower Upper

43 100

57 61.6 50.0 75.0





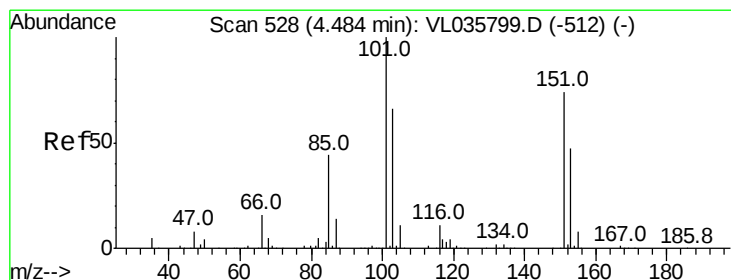
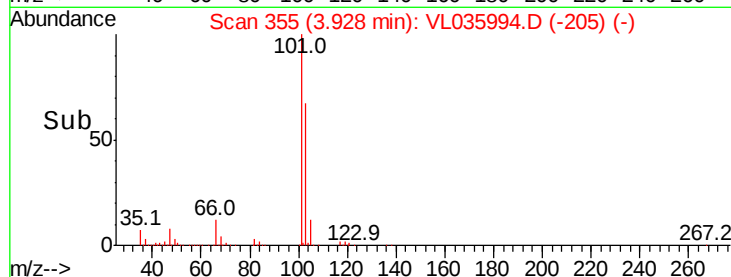
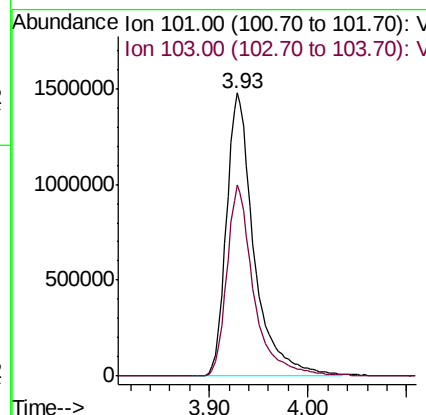
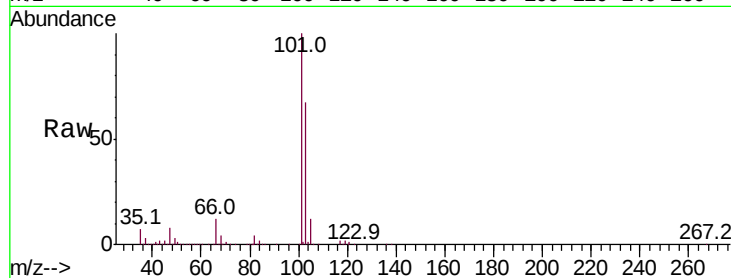
#11
 Trichlorofluoromethane
 Concen: 9.990 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2902327
 Ion Ratio Lower Upper
 101 100
 103 67.5 53.0 79.4

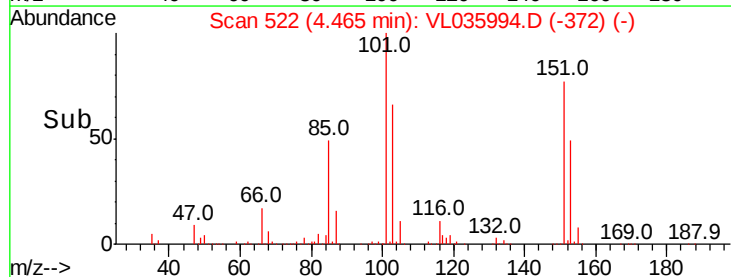
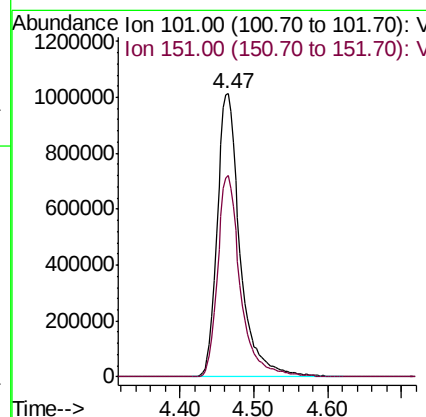
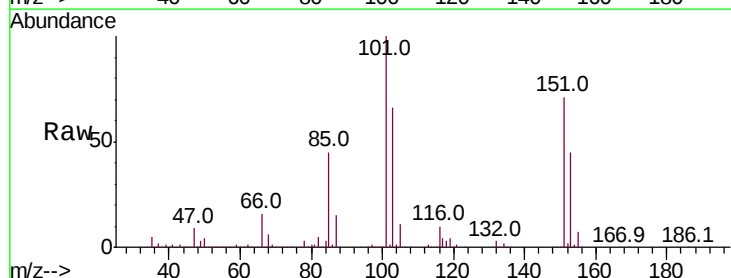
Manual Integrations
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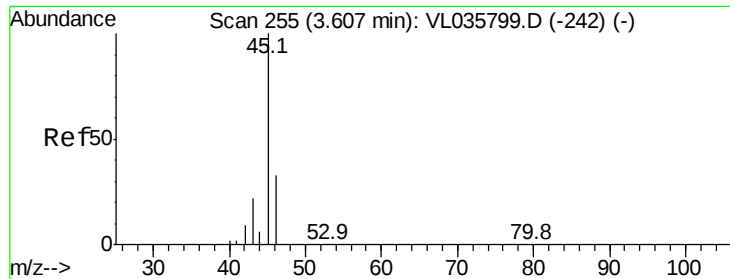
MMDadoda
 11/27/2020 1:14:20 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.088 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.02 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Tgt Ion:101 Resp: 2182182
 Ion Ratio Lower Upper
 101 100
 151 71.0 58.9 88.3





#13

Ethanol

Concen: 8.361 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 97701

Ion Ratio Lower Upper

45 100

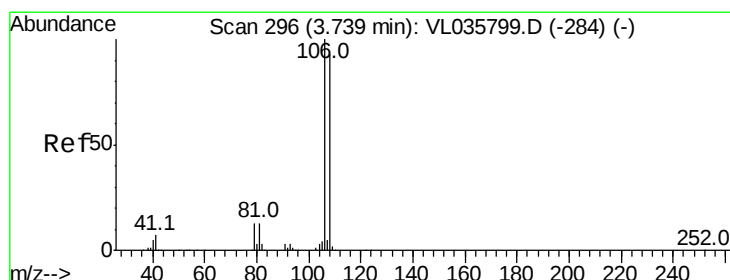
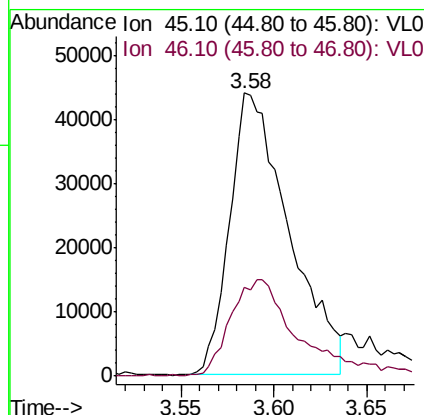
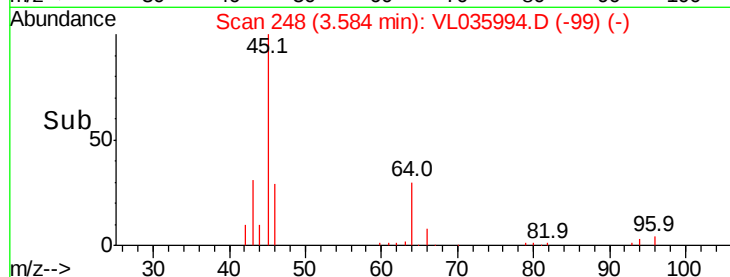
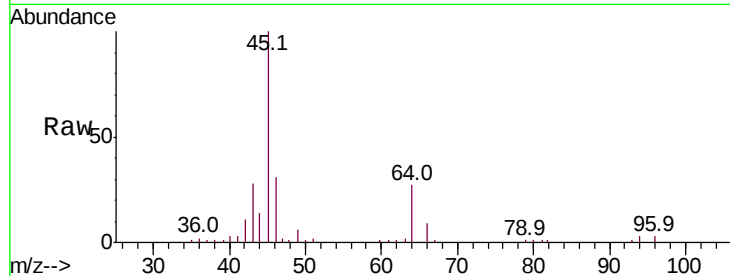
46 40.4 16.1 64.5

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#14

Bromoethene

Concen: 9.268 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

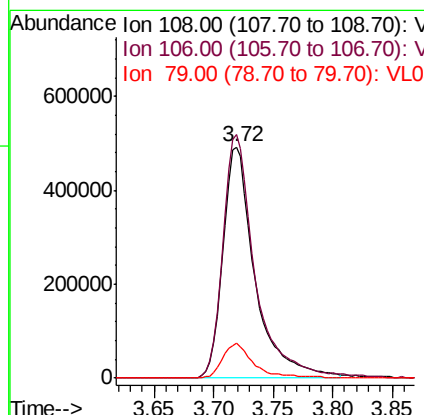
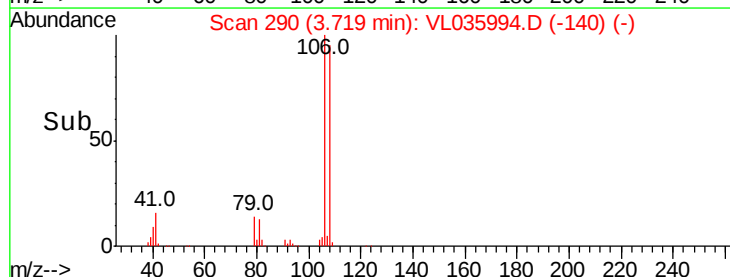
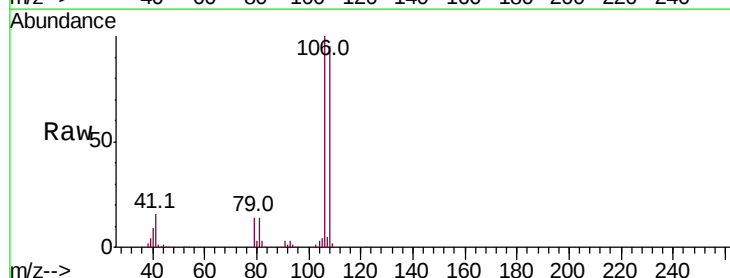
Tgt Ion: 108 Resp: 922614

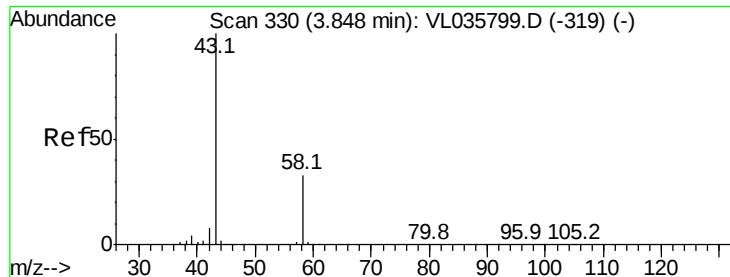
Ion Ratio Lower Upper

108 100

106 106.5 85.3 127.9

79 15.1 11.6 17.4





#15

Acetone

Concen: 9.429 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1238806

Ion Ratio Lower Upper

43 100

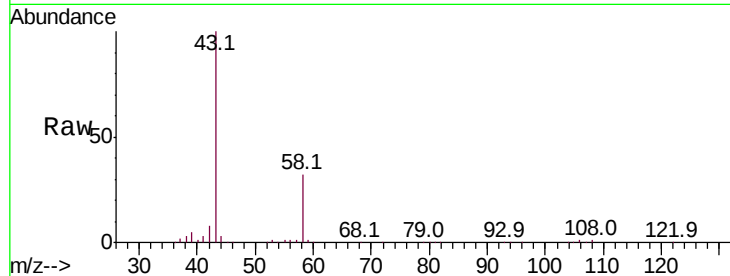
58 33.9 27.5 41.3

Manual Integrations

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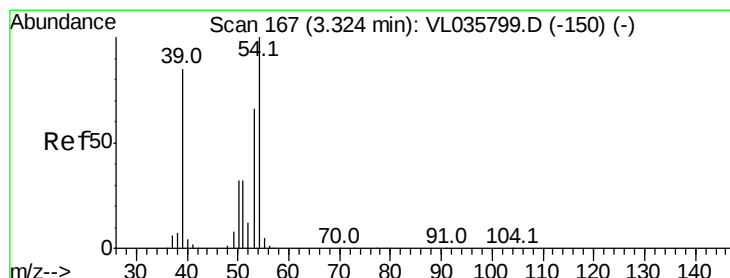
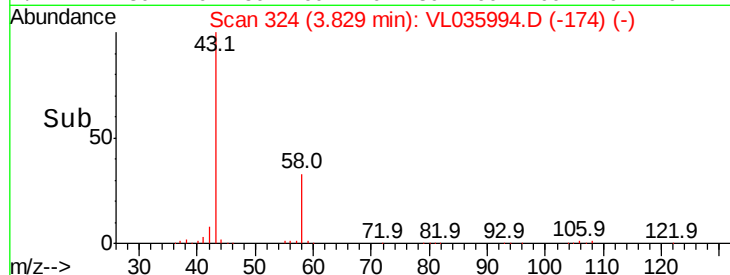
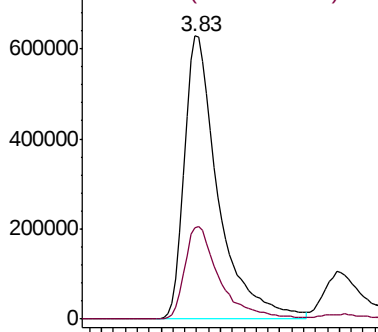
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.071 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL035994.D

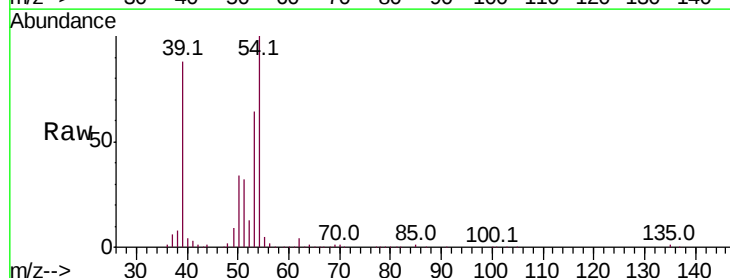
Acq: 24 Nov 2020 11:30

Tgt Ion: 39 Resp: 569680

Ion Ratio Lower Upper

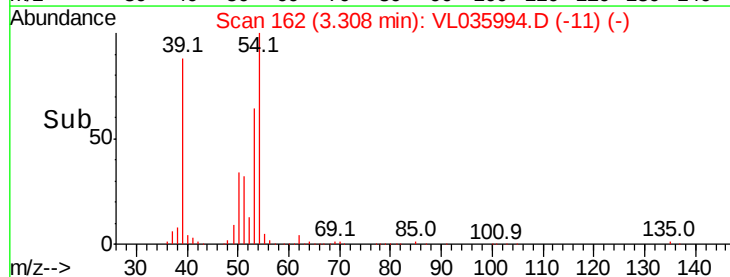
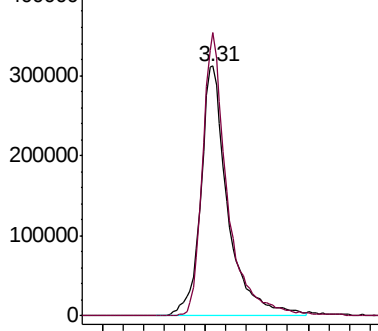
39 100

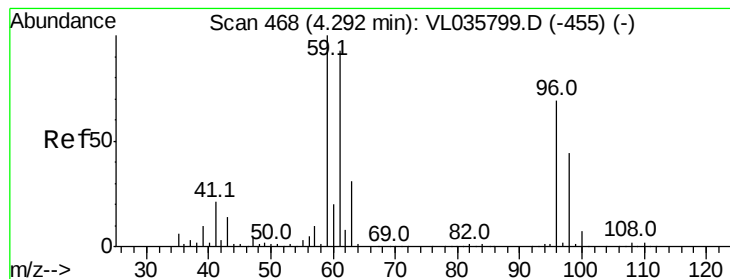
54 105.3 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

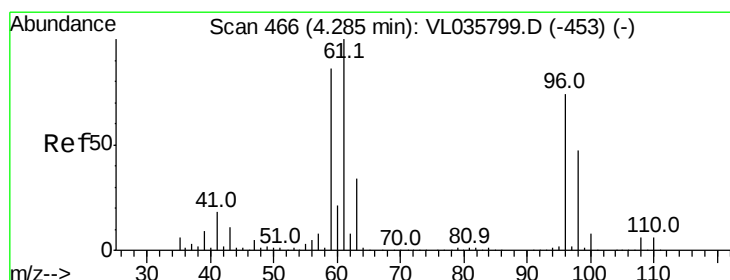
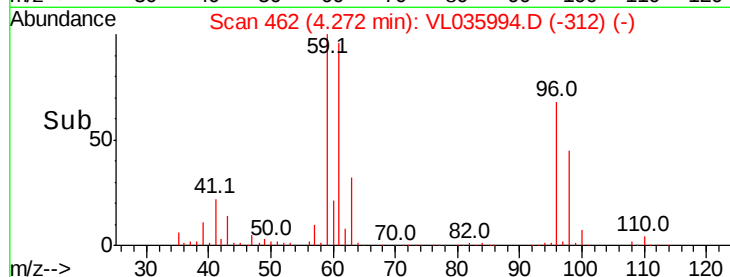
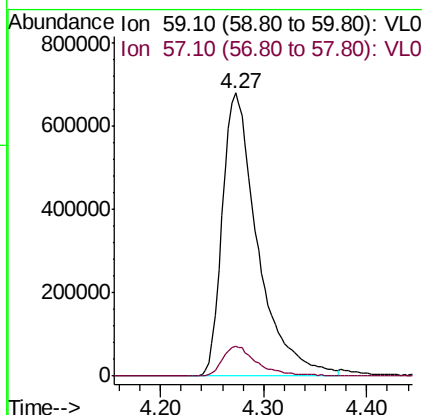
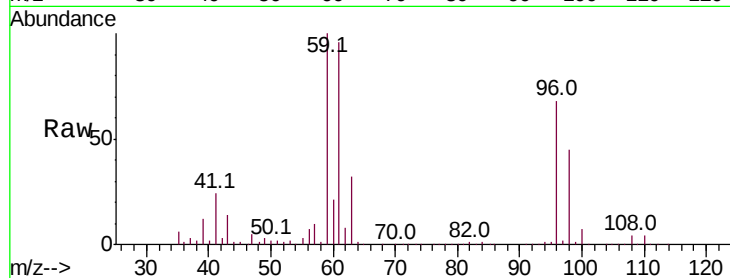
tert-Butyl alcohol
Concen: 9.356 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1629068
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

Manual Integrations
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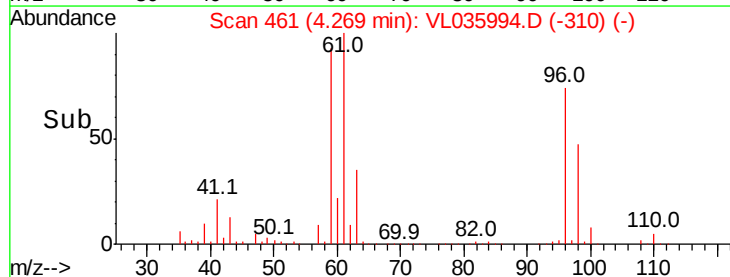
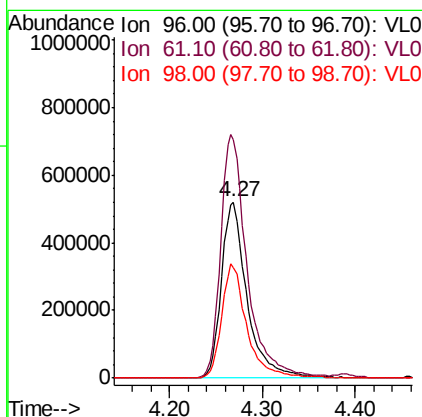
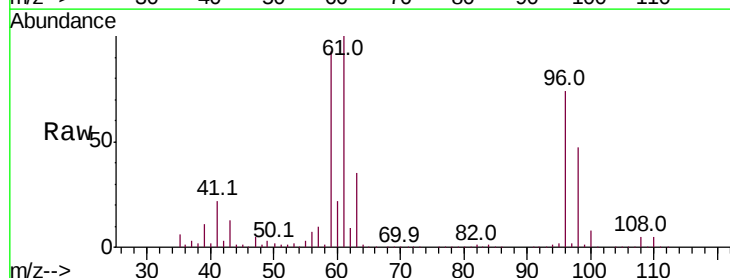
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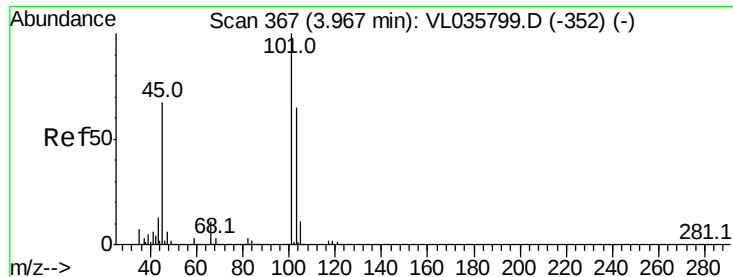


#18

1,1-Dichloroethene
Concen: 10.081 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 96 Resp: 1001145
Ion Ratio Lower Upper
96 100
61 135.5 108.5 162.7
98 63.1 50.7 76.1





#19

Isopropyl Alcohol

Concen: 9.890 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 798532

Ion Ratio Lower Upper

45 100

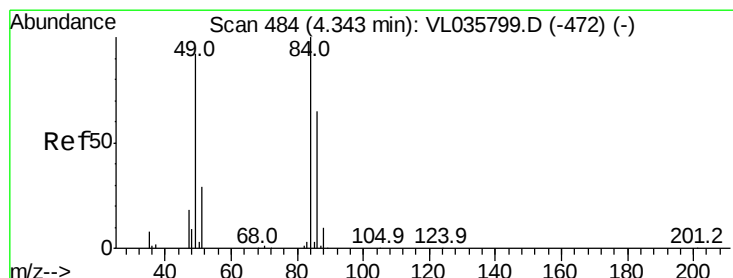
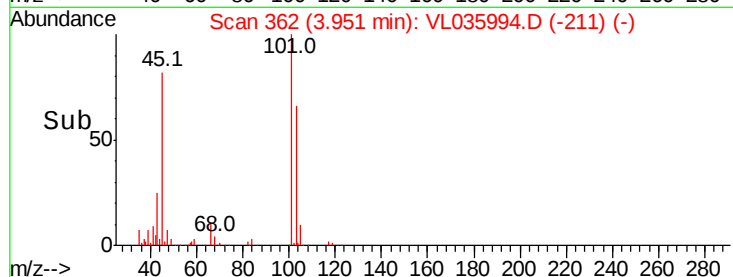
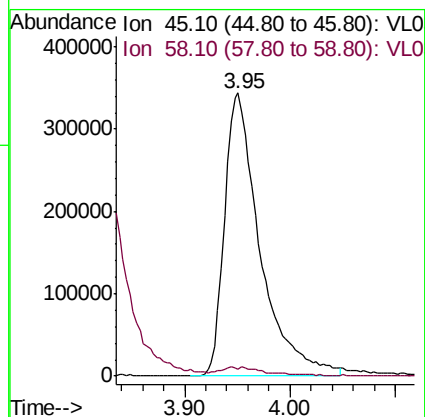
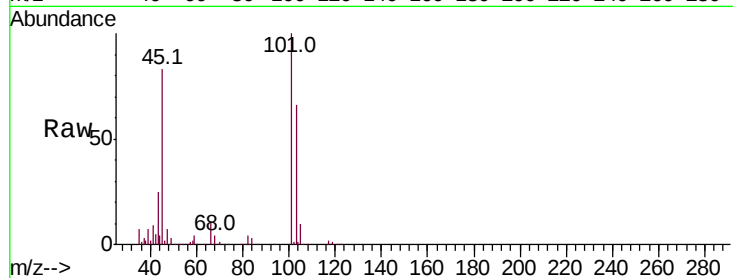
58 3.8 2.6 3.8

Manual Integrations

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#20

Methylene Chloride

Concen: 9.070 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Tgt Ion: 84 Resp: 838920

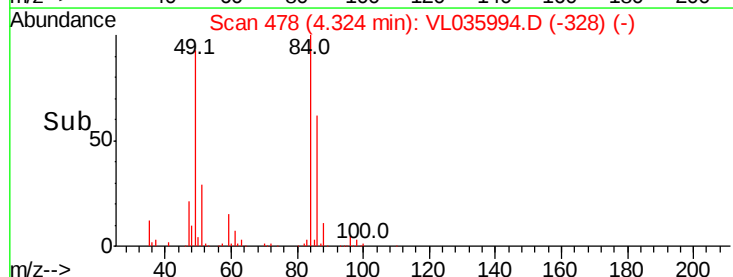
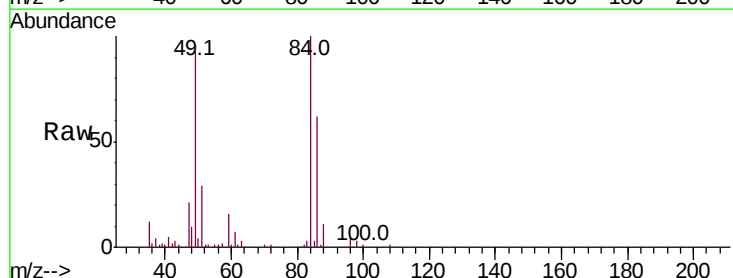
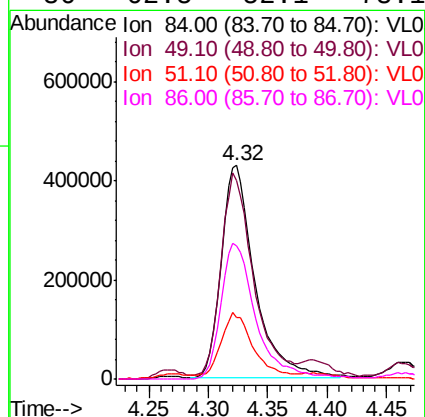
Ion Ratio Lower Upper

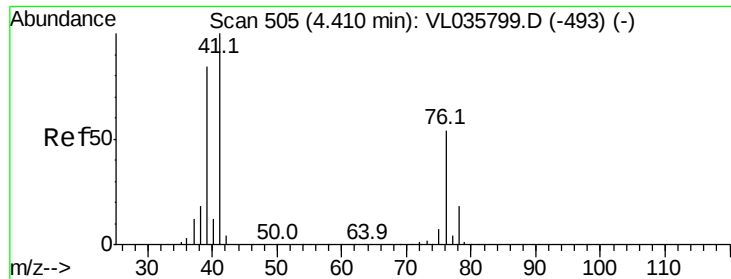
84 100

49 91.6 73.8 110.8

51 27.8 23.0 34.4

86 62.5 52.1 78.1





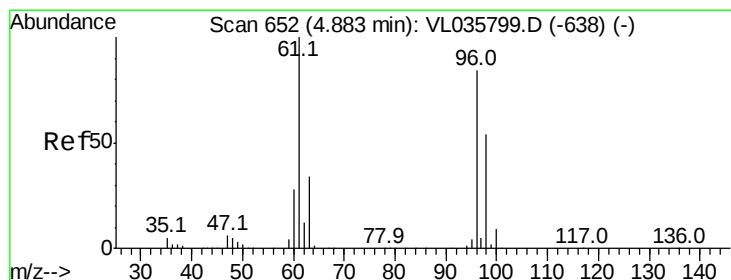
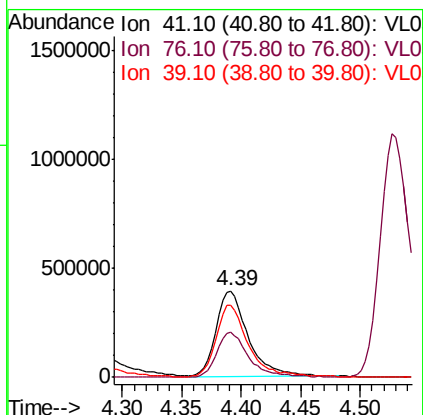
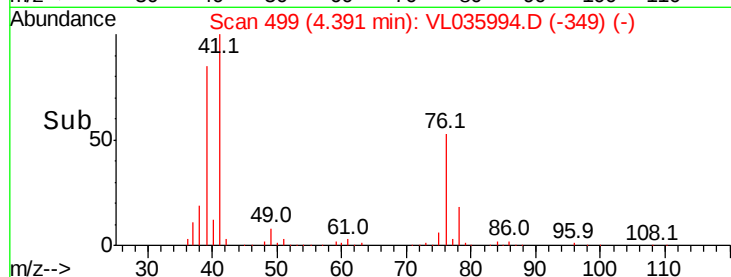
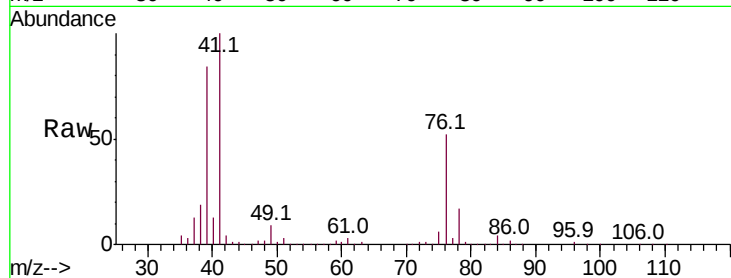
#21
Allvl Chloride
Concen: 10.344 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	52.9	42.6	63.8
39	85.1	67.0	100.4

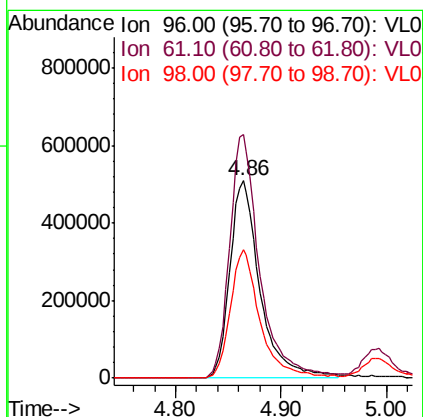
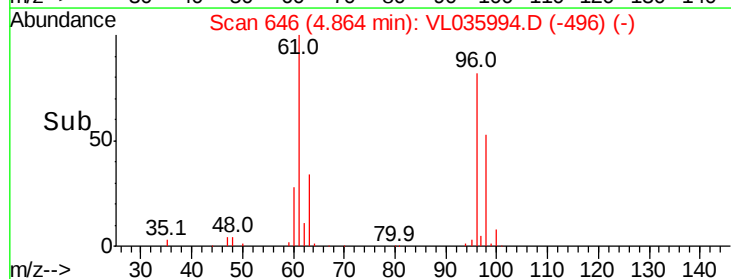
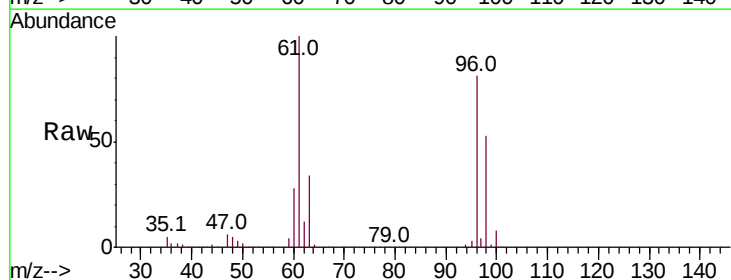
Manual Integrations
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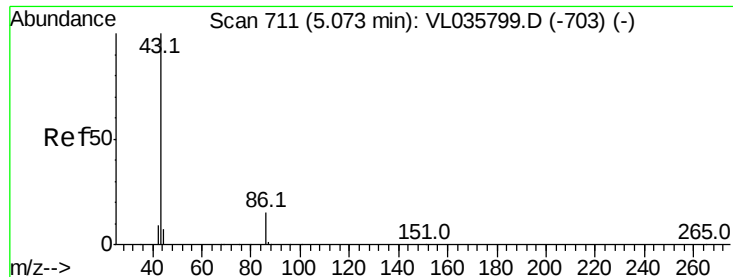
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#22
trans-1,2-Dichloroethene
Concen: 10.016 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.6	95.4	143.0
98	64.9	51.8	77.6





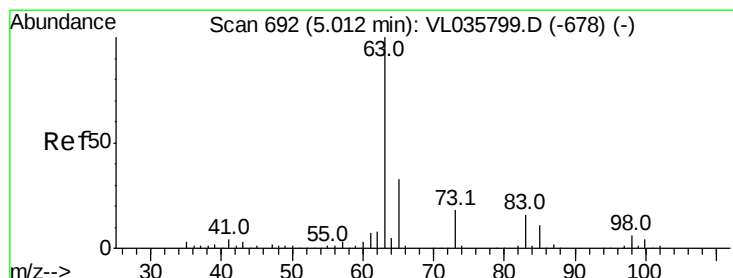
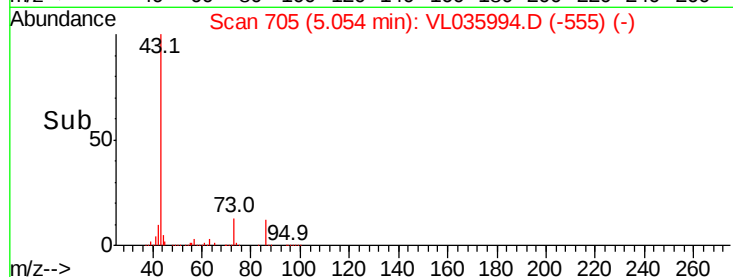
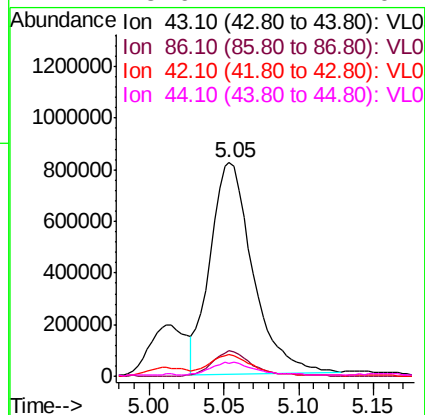
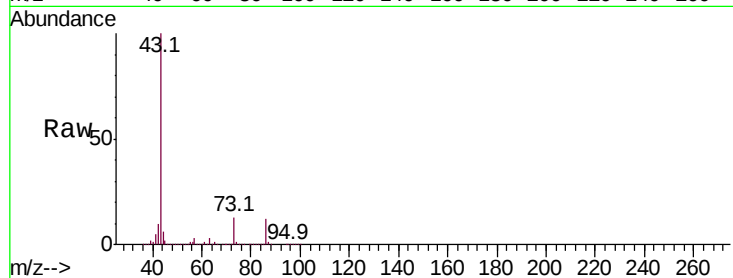
#23
 Vinyl Acetate
 Concen: 8.782 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	43	Resp	1617261
Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.8	14.6
42	10.0	8.1	12.1
44	5.6	4.2	6.4

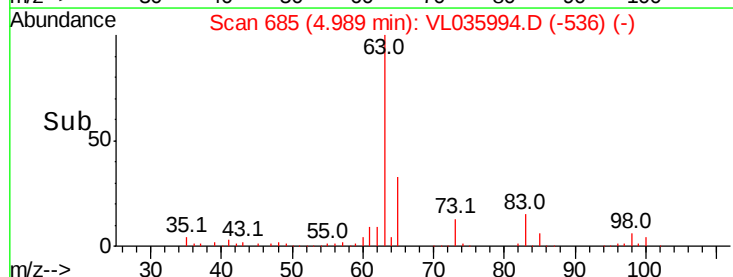
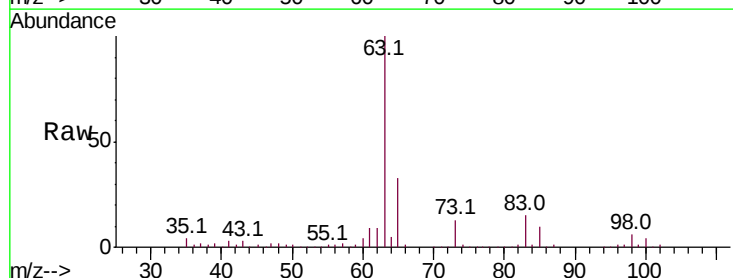
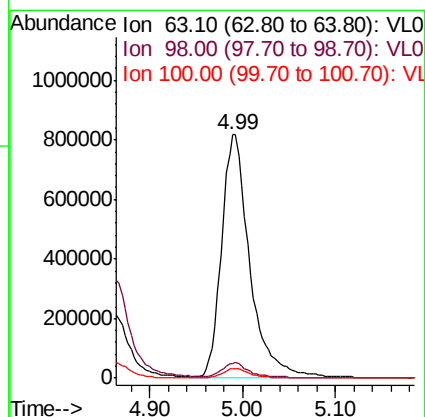
Manual Integrations
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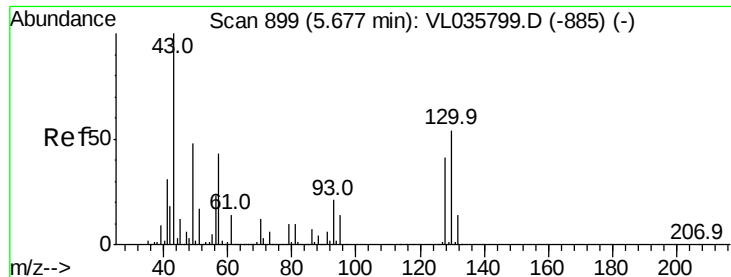
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#24
 1,1-Dichloroethane
 Concen: 9.754 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.02 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Tgt Ion	63	Resp	1711450
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.0	9.2
100	3.7	1.8	5.4





#25
Ethyl Acetate
Concen: 10.123 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

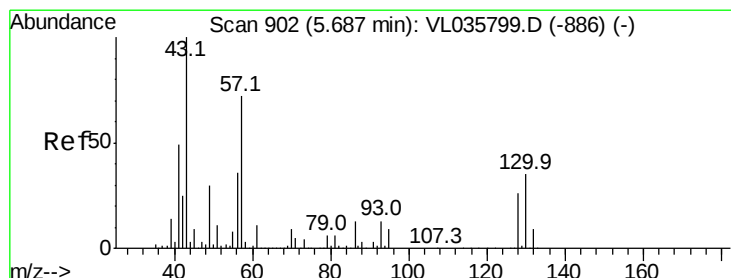
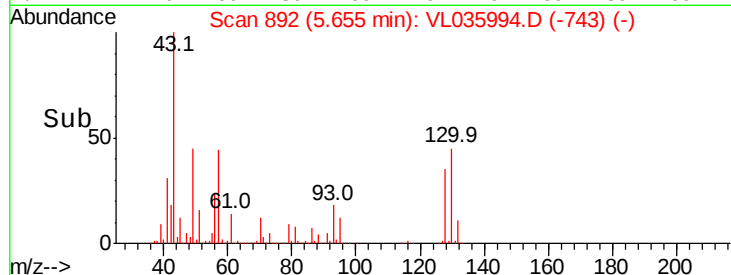
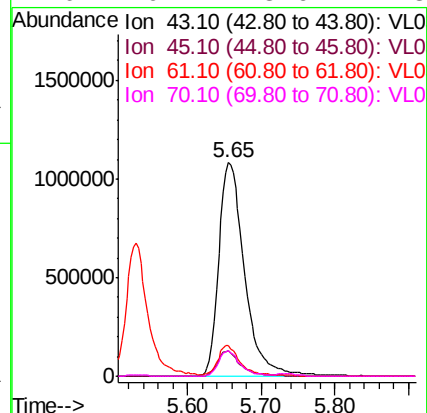
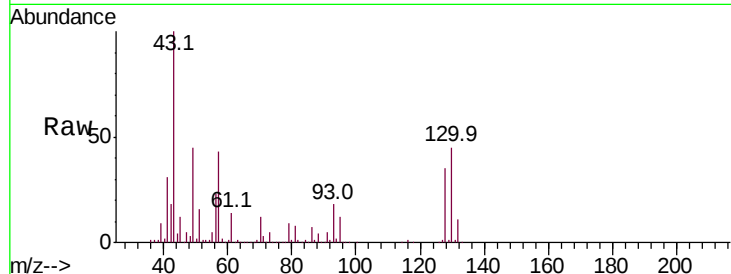
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2620034

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.5	12.7
61	13.3	10.7	16.1
70	10.1	8.6	12.8

Manual Integrations
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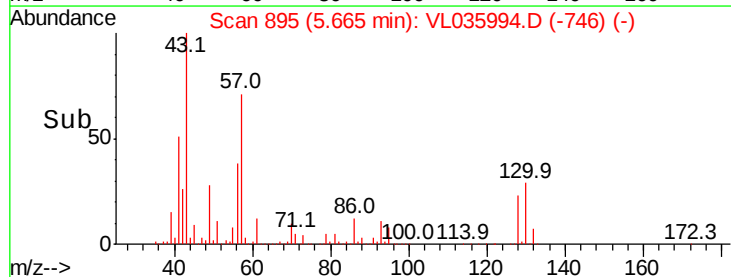
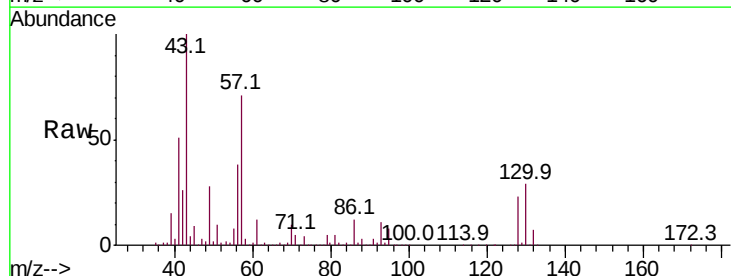
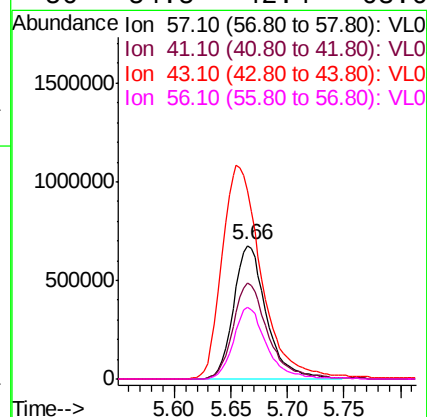
MMDadoda
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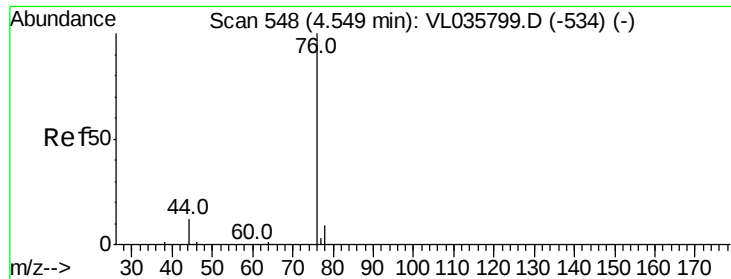


#26
Hexane
Concen: 9.576 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 57 Resp: 1366854

Ion	Ratio	Lower	Upper
57	100		
41	77.0	58.9	88.3
43	192.3	150.2	225.2
56	54.5	42.4	63.6





#27

Carbon Disulfide

Concen: 10.350 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 76 Resp: 2213627

Ion Ratio Lower Upper

76 100

44 12.0 9.9 14.9

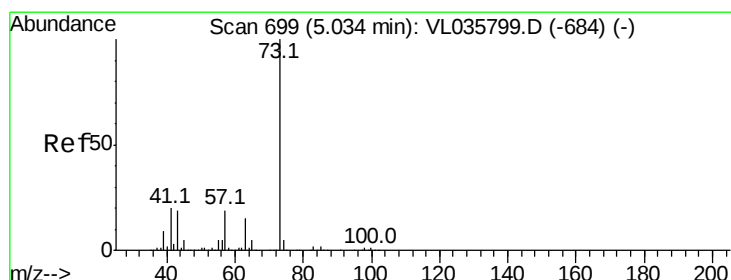
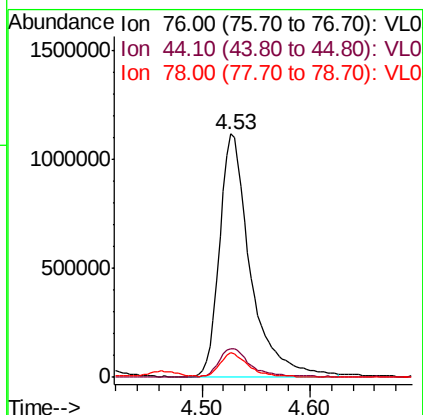
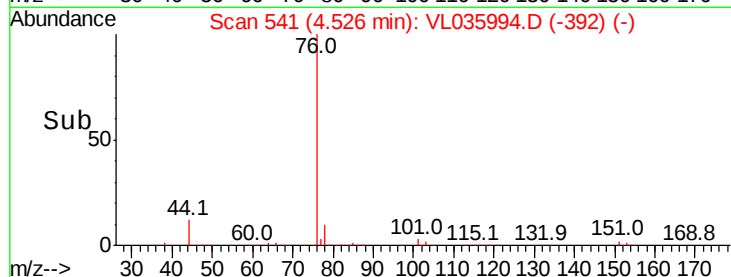
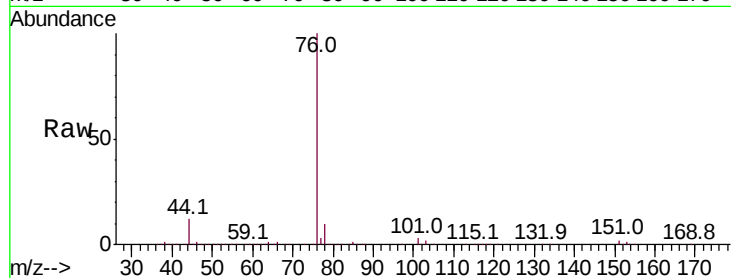
78 10.0 8.1 12.1

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#28

Methyl tert-Butyl Ether

Concen: 8.768 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.02 min

Lab File: VL035994.D

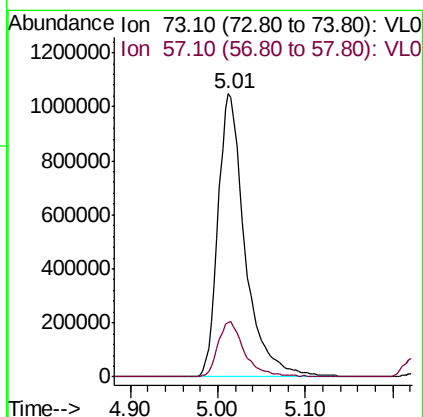
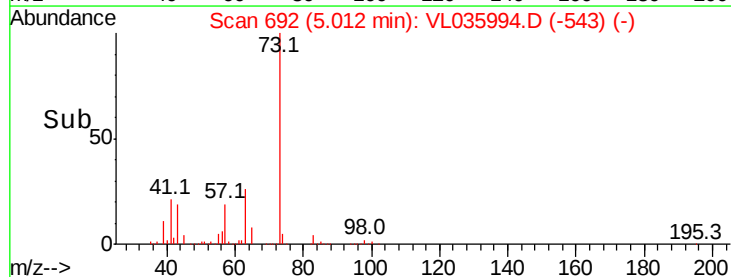
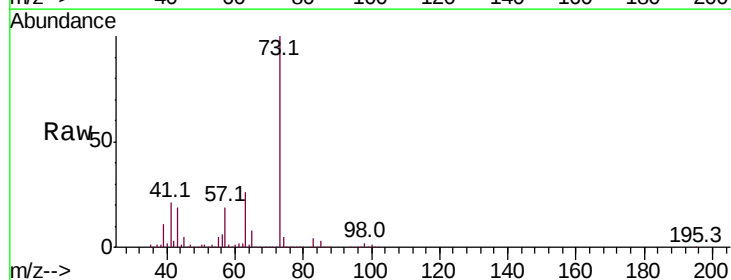
Acq: 24 Nov 2020 11:30

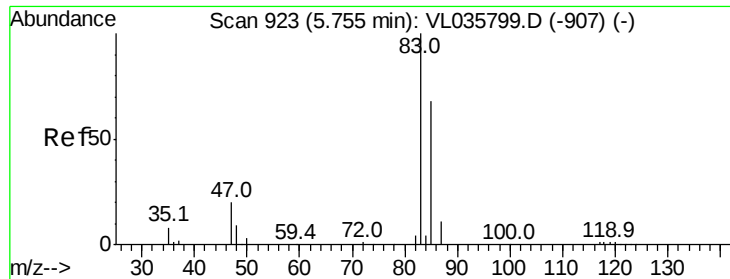
Tgt Ion: 73 Resp: 2247510

Ion Ratio Lower Upper

73 100

57 19.5 15.4 23.2





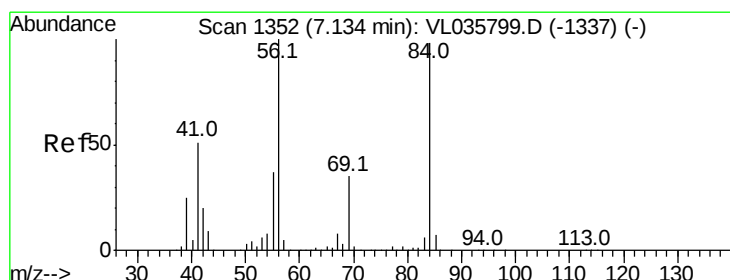
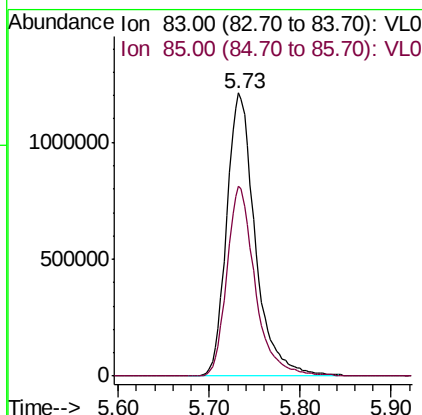
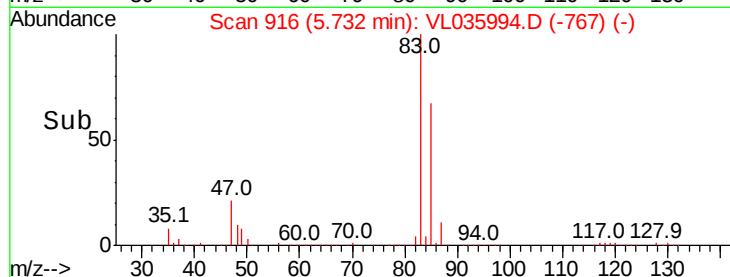
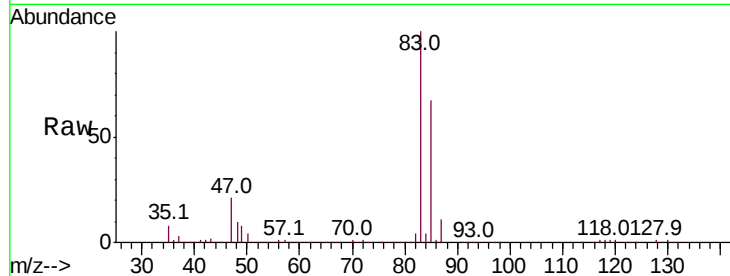
#29
Chloroform
Concen: 9.421 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2643199
Ion Ratio Lower Upper
83 100
85 66.8 54.6 81.8

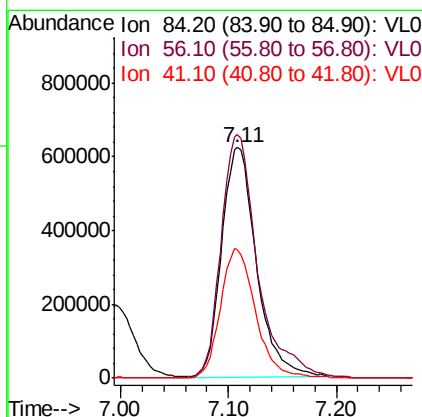
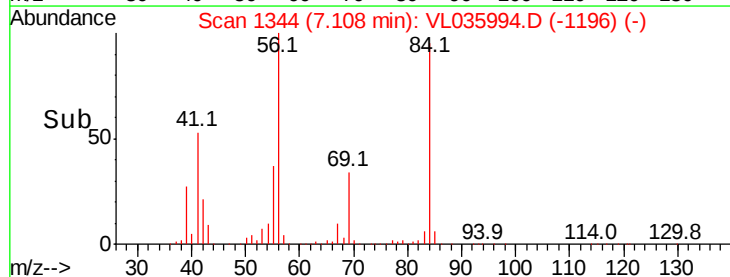
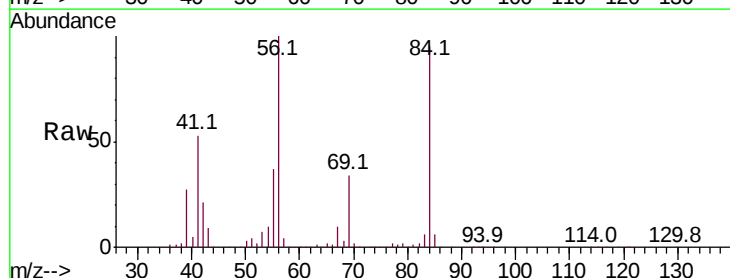
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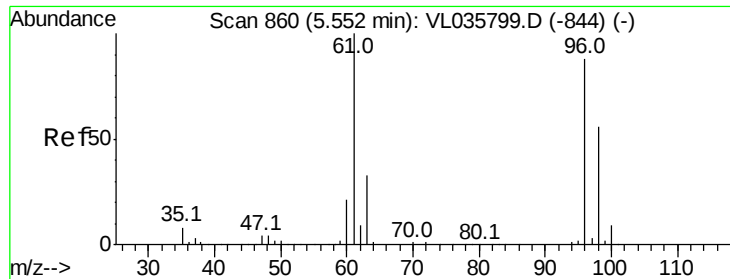
MMDadoda
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#30
Cyclohexane
Concen: 9.021 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 84 Resp: 1402366
Ion Ratio Lower Upper
84 100
56 111.9 86.4 129.6
41 56.8 42.1 63.1





#31

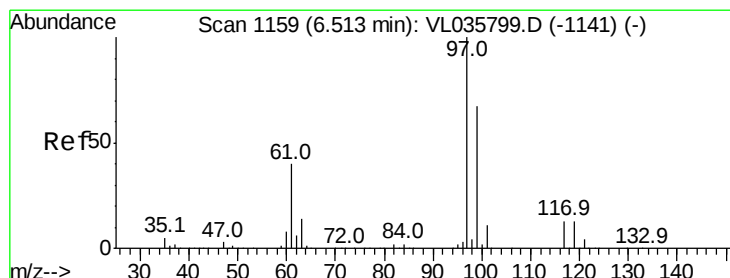
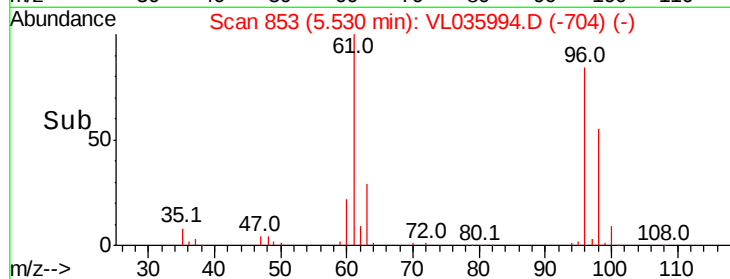
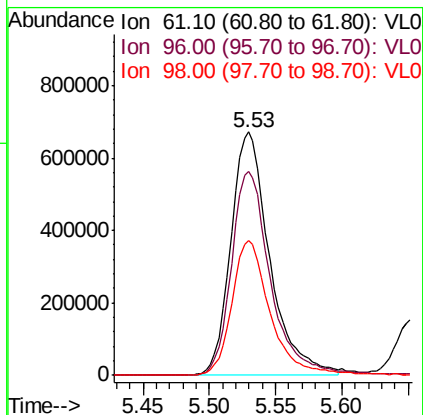
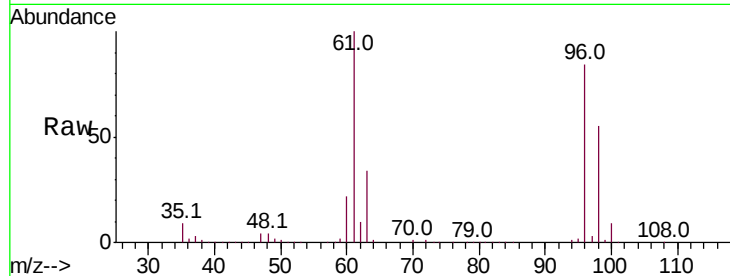
cis-1,2-Dichloroethene
Concen: 9.308 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 61 Resp: 1366844
Ion Ratio Lower Upper
61 100
96 83.8 70.3 105.5
98 55.2 45.0 67.6

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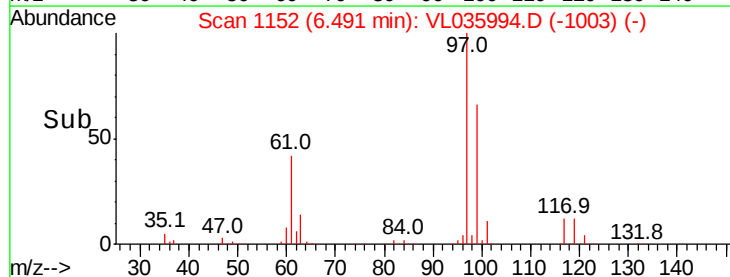
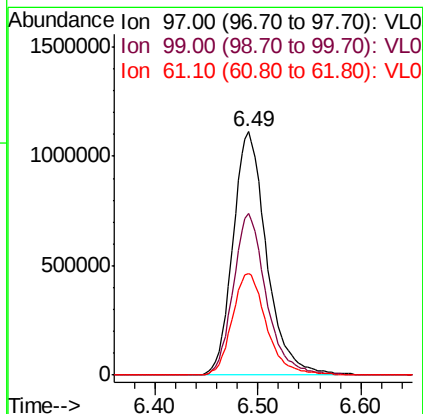
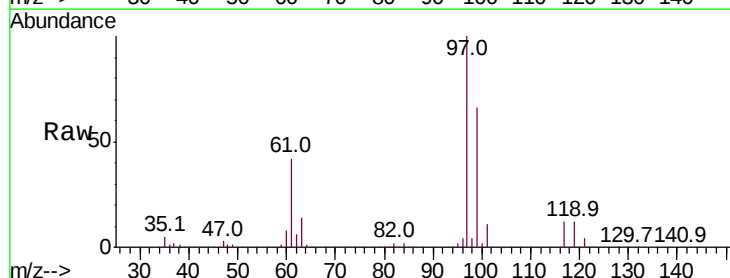
MMDadoda
11/27/2020 1:14:20 PM

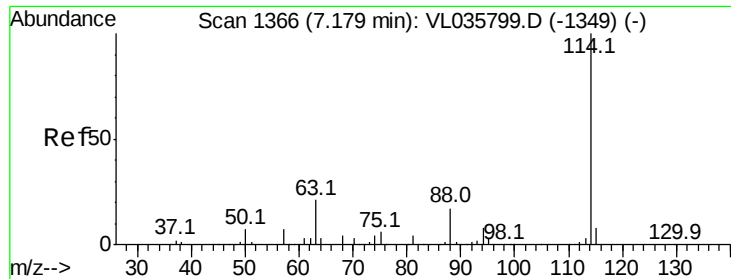


#32

1,1,1-Trichloroethane
Concen: 8.637 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 97 Resp: 2528529
Ion Ratio Lower Upper
97 100
99 65.5 52.3 78.5
61 42.8 32.0 48.0





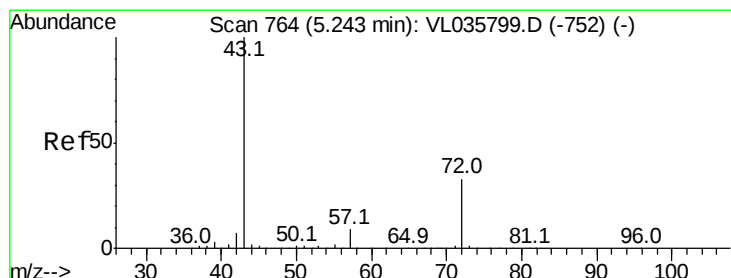
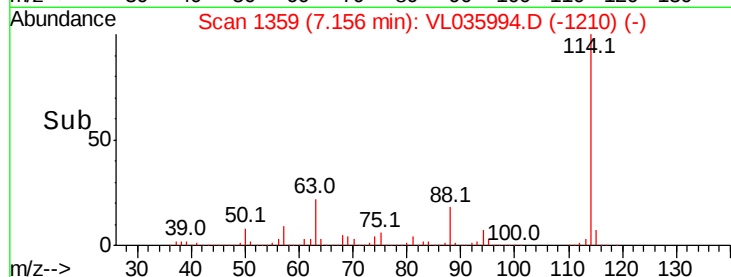
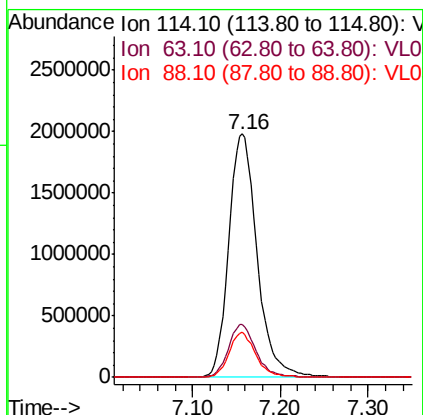
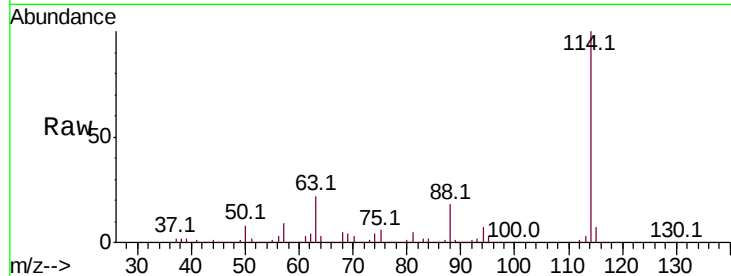
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4459617
 Ion Ratio Lower Upper
 114 100
 63 21.5 16.1 24.1
 88 17.5 13.7 20.5

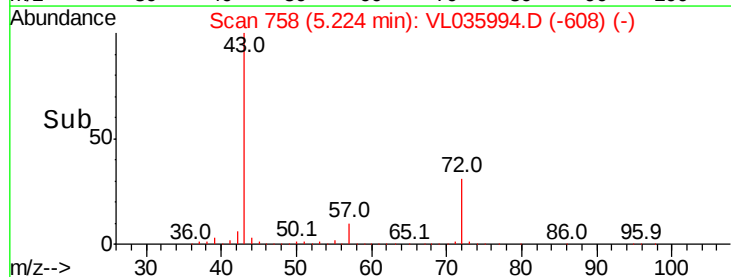
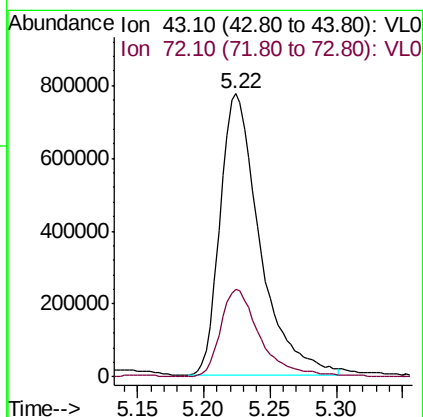
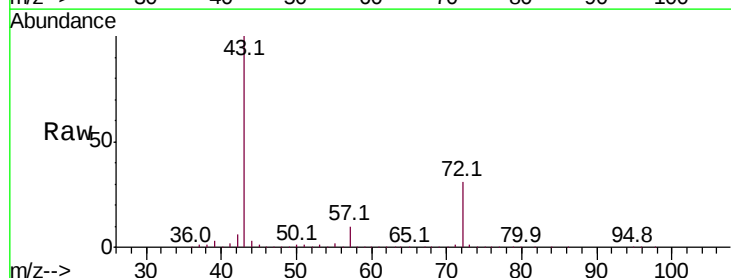
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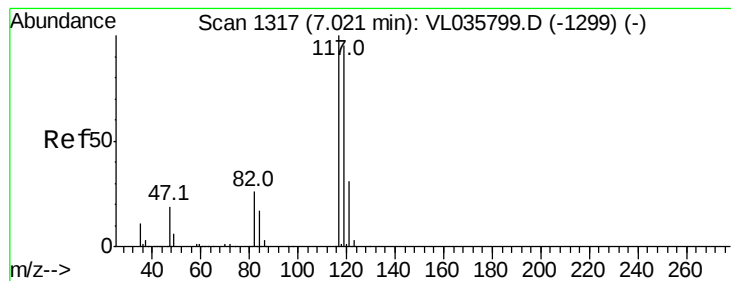
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#34
 2-Butanone
 Concen: 11.134 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Tgt Ion: 43 Resp: 1611488
 Ion Ratio Lower Upper
 43 100
 72 31.5 26.5 39.7





#35

Carbon Tetrachloride

Concen: 10.570 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2518501

Ion Ratio Lower Upper

117 100

119 95.2 75.6 113.4

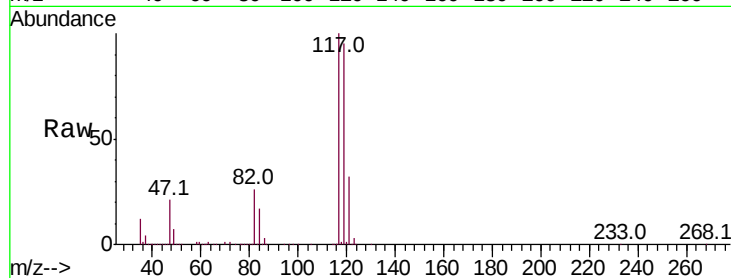
121 32.5 25.1 37.7

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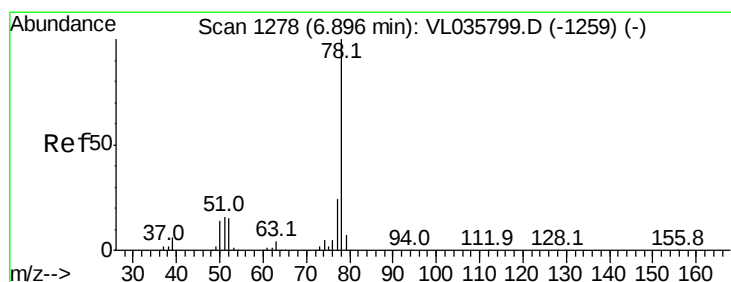
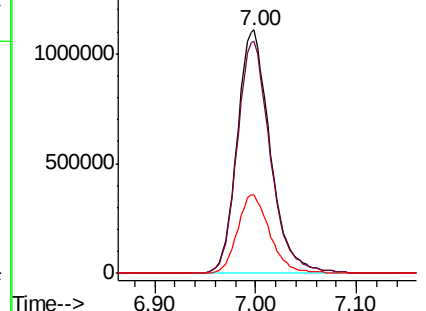
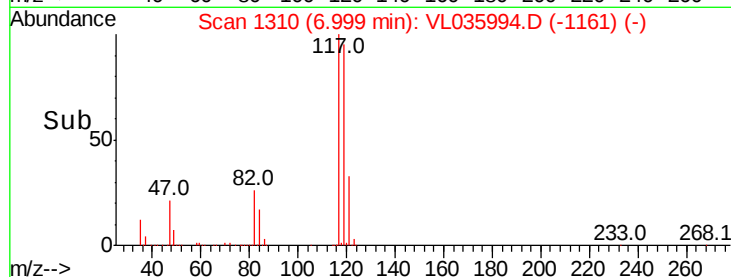
11/27/2020 1:14:20 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.935 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

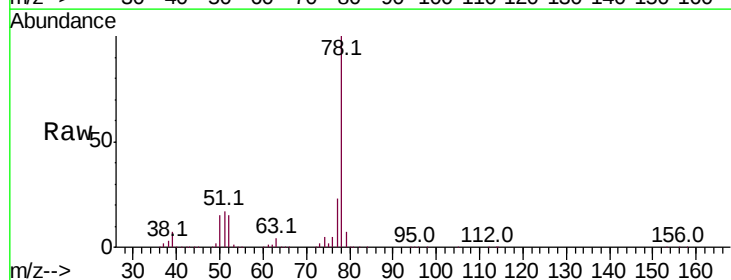
Tgt Ion: 78 Resp: 3293772

Ion Ratio Lower Upper

78 100

77 23.2 19.3 28.9

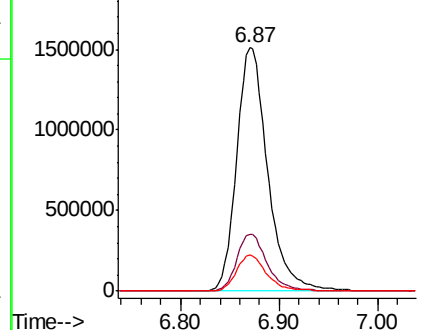
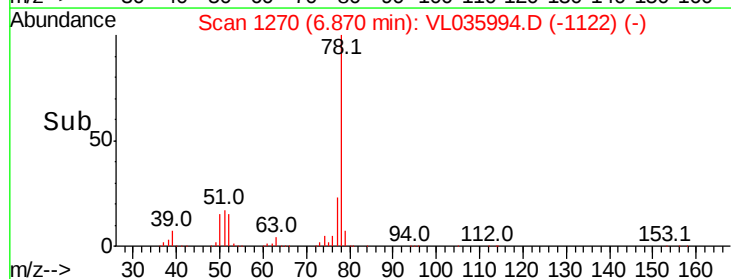
50 15.0 11.4 17.2

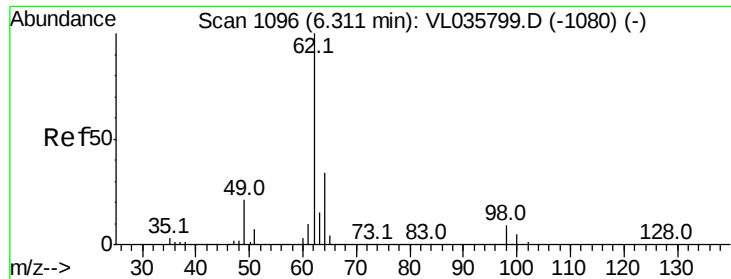


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





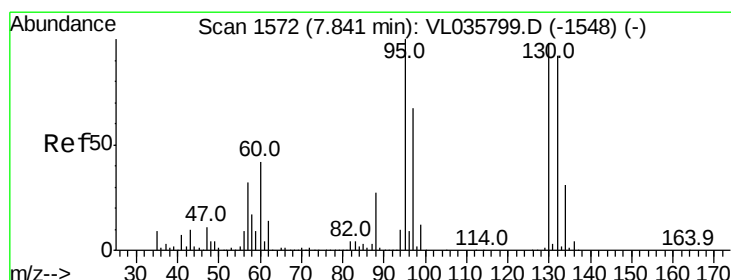
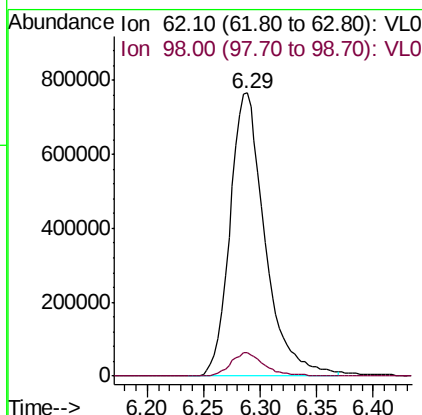
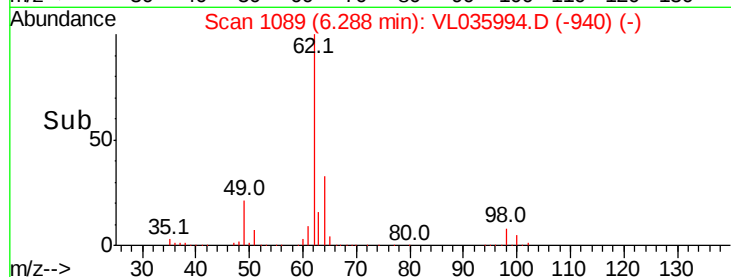
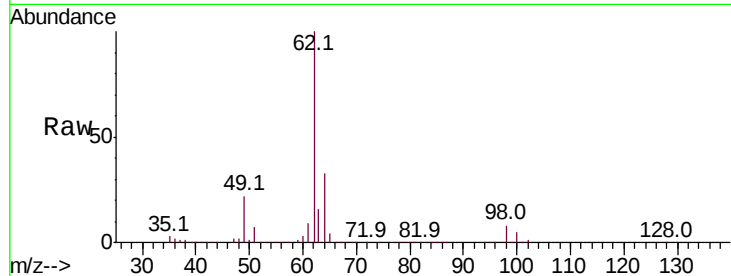
#37
 1,2-Dichloroethane
 Concen: 10.986 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1650000
 Ion Ratio Lower Upper
 62 100
 98 8.2 6.9 10.3

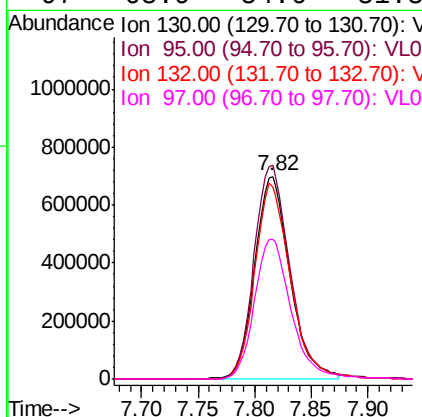
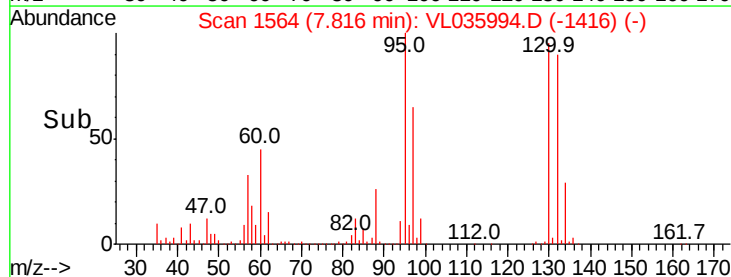
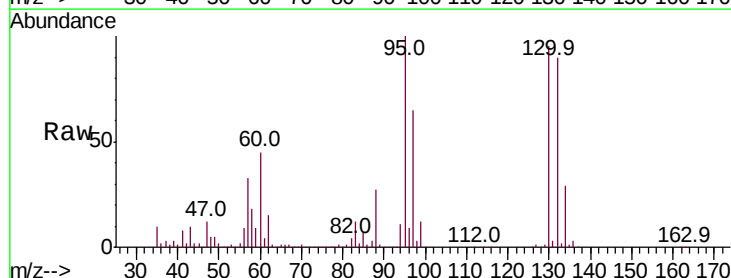
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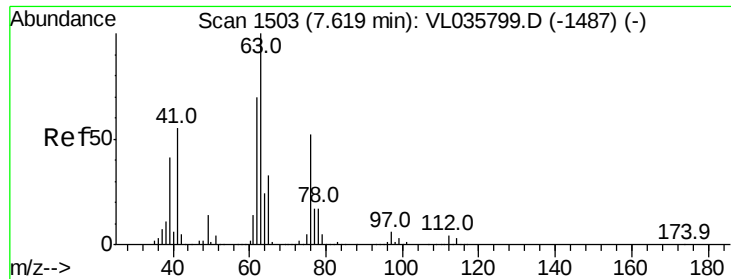
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#38
 Trichloroethene
 Concen: 9.370 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.03 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Tgt Ion:130 Resp: 1517431
 Ion Ratio Lower Upper
 130 100
 95 105.3 81.6 122.4
 132 94.6 75.1 112.7
 97 68.9 54.6 81.8





#39

1,2-Dichloropropane

Concen: 10.544 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.03 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1176887

Ion Ratio Lower Upper

63 100

41 58.0 43.8 65.6

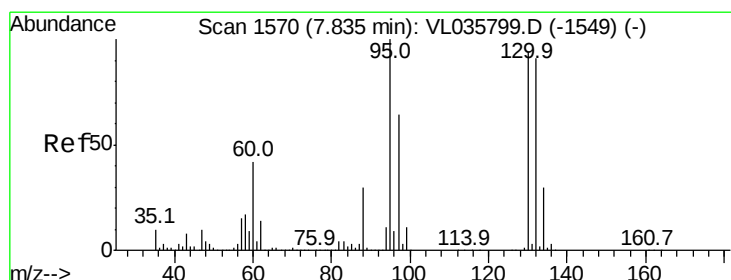
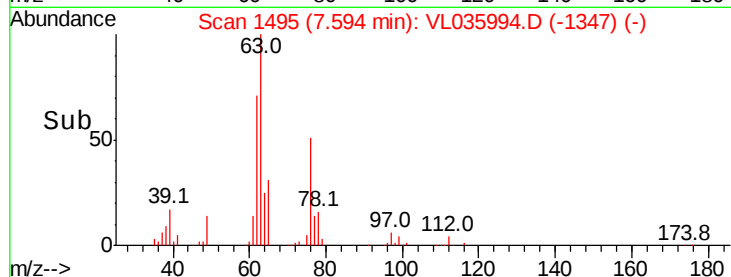
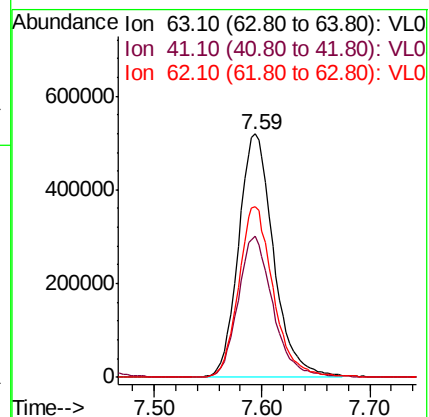
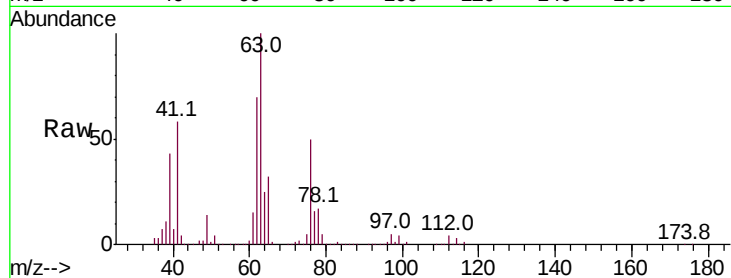
62 70.1 56.2 84.2

Manual Integrations

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#40

1,4-Dioxane

Concen: 10.377 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Tgt Ion: 88 Resp: 548980

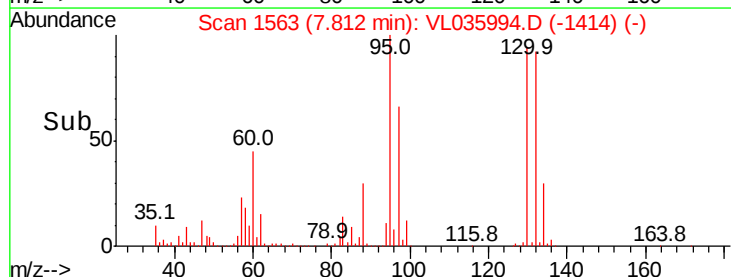
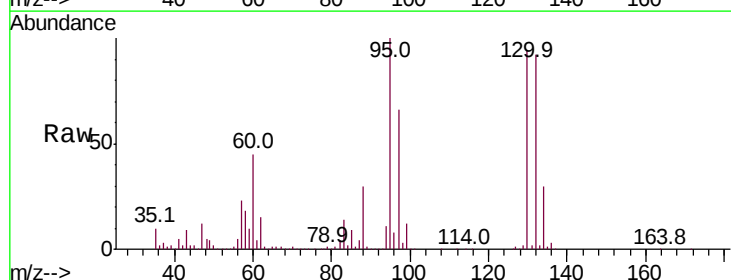
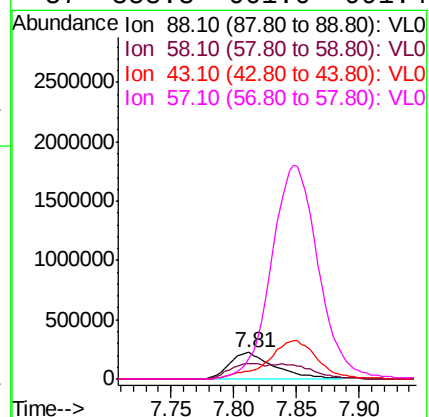
Ion Ratio Lower Upper

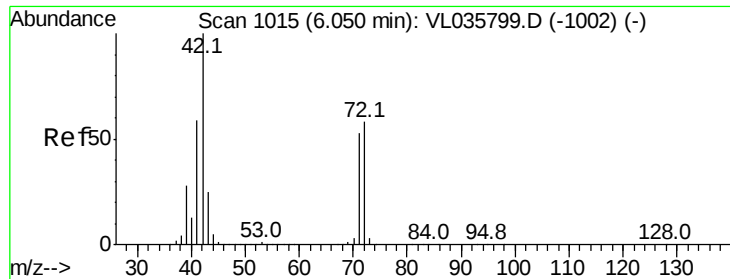
88 100

58 101.8 76.2 114.2

43 165.6 123.1 184.7

57 858.8 661.0 991.4





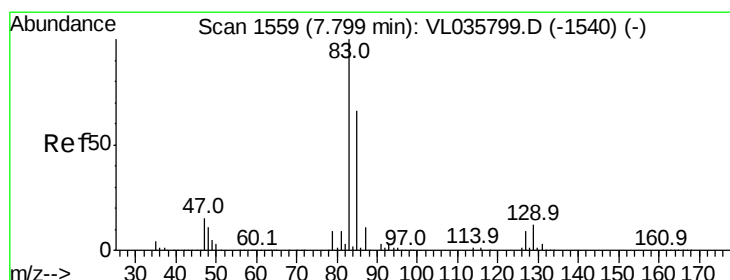
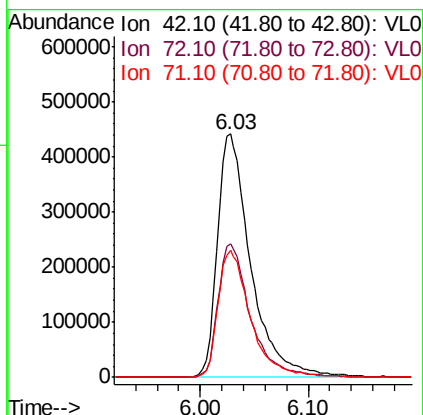
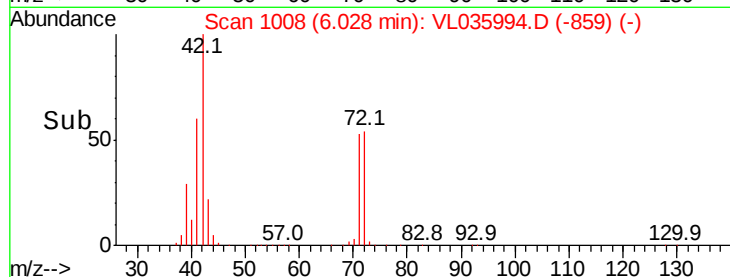
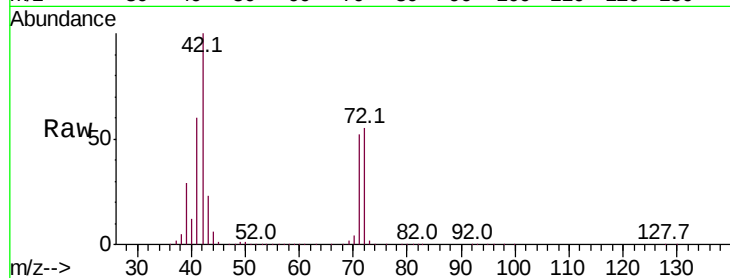
#41
Tetrahydrofuran
Concen: 11.509 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 42 Resp: 946368
Ion Ratio Lower Upper
42 100
72 54.1 45.4 68.0
71 51.6 43.4 65.2

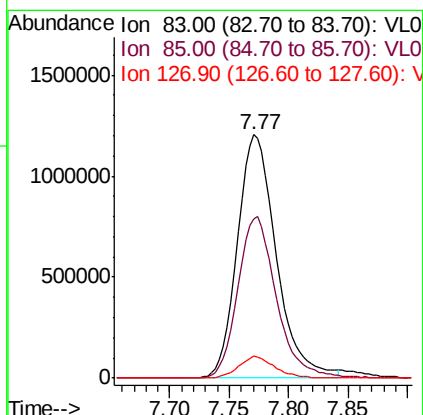
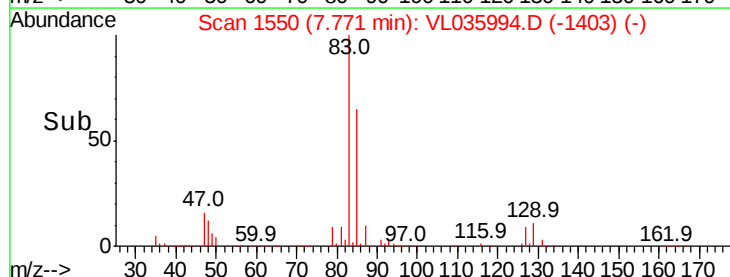
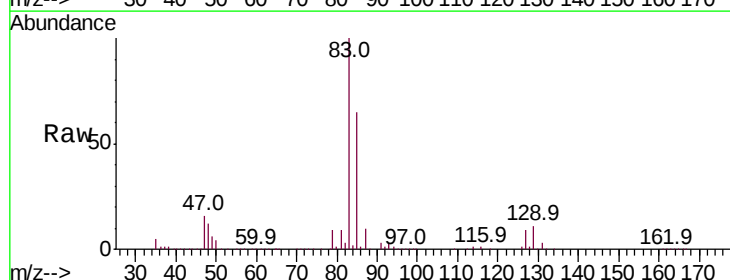
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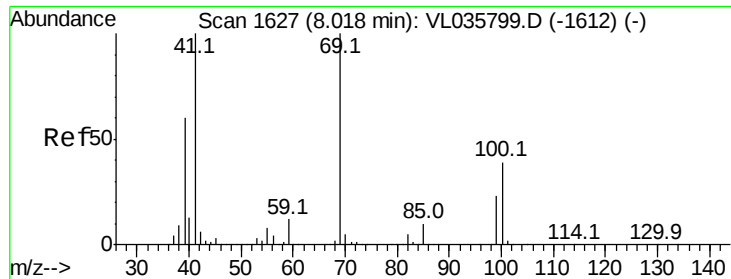
MMDadoda
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#42
Bromodichloromethane
Concen: 10.809 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 83 Resp: 2739334
Ion Ratio Lower Upper
83 100
85 65.4 53.1 79.7
127 9.1 7.3 10.9





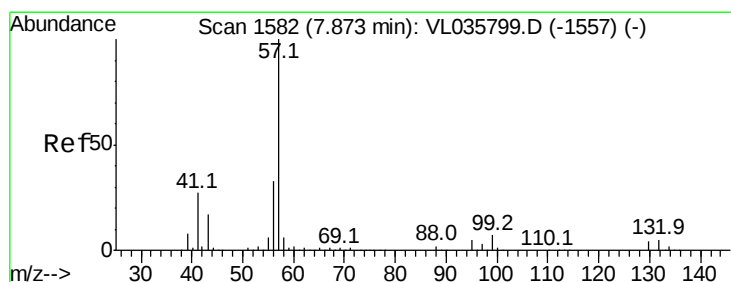
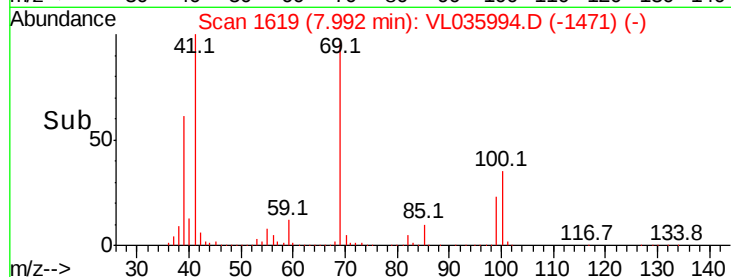
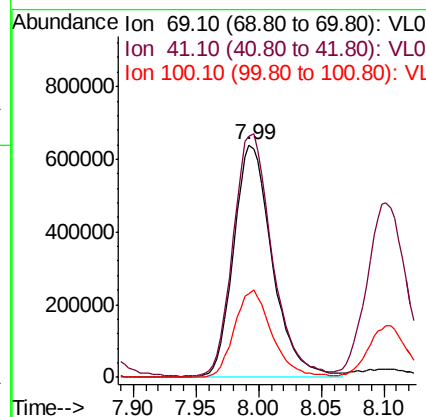
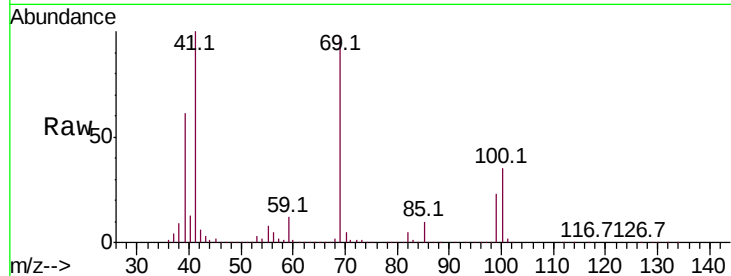
#43
Methyl Methacrylate
Concen: 10.829 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1369419
Ion Ratio Lower Upper
69 100
41 106.1 81.1 121.7
100 36.7 31.0 46.4

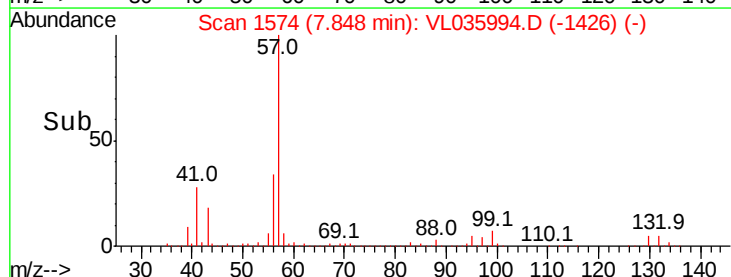
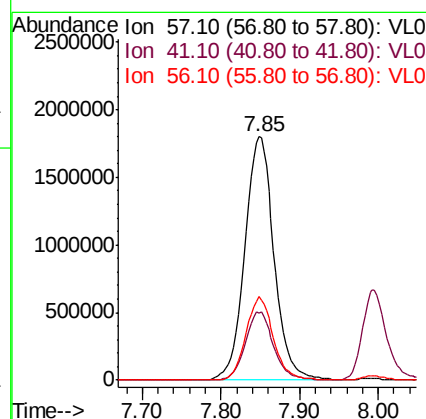
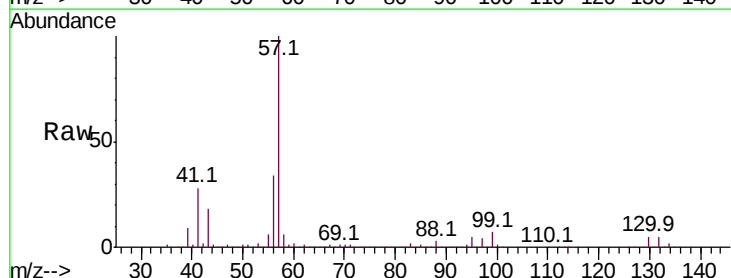
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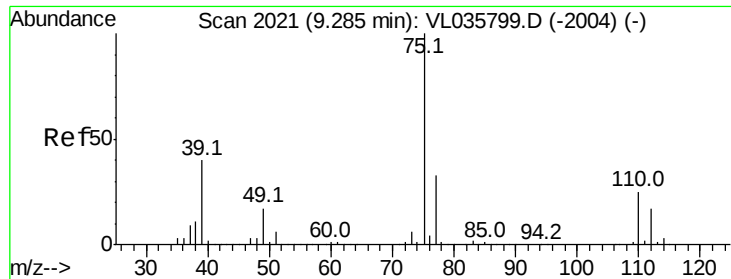
MMDadoda
11/27/2020 1:14:20 PM



#44
2,2,4-Trimethylpentane
Concen: 10.740 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 57 Resp: 4711946
Ion Ratio Lower Upper
57 100
41 27.1 21.0 31.4
56 32.1 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.603 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.03 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1421380

Ion Ratio Lower Upper

75 100

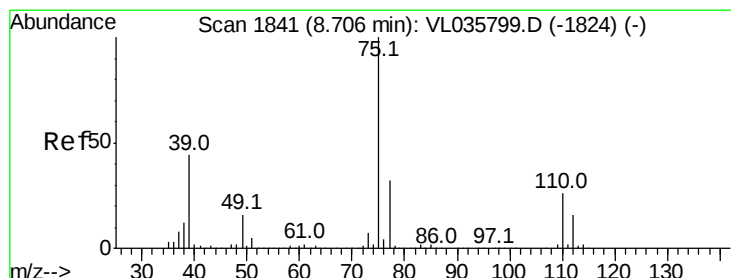
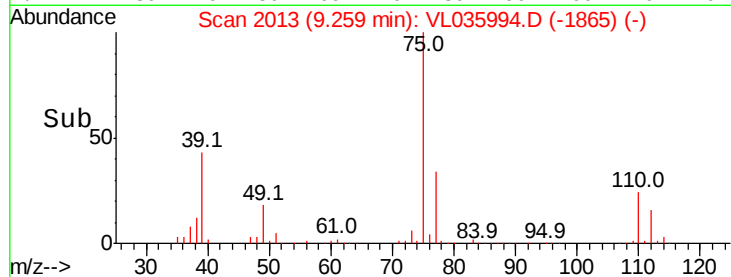
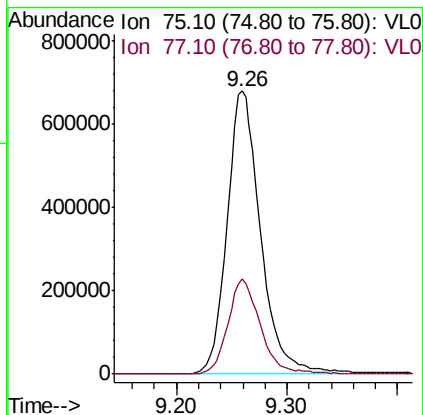
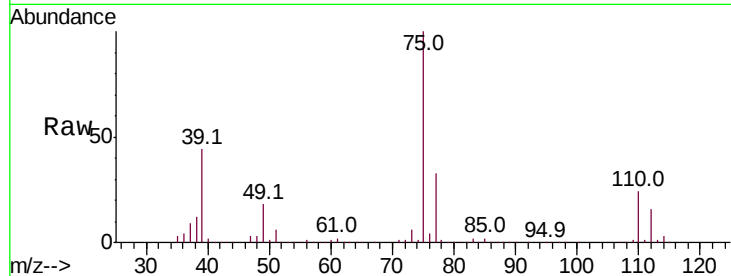
77 33.5 26.4 39.6

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11/27/2020 1:14:20 PM



#46

cis-1,3-Dichloropropene

Concen: 10.630 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.02 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

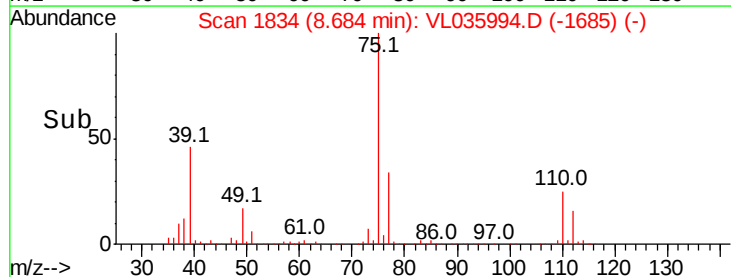
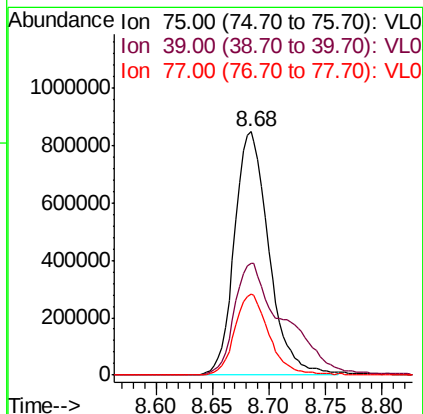
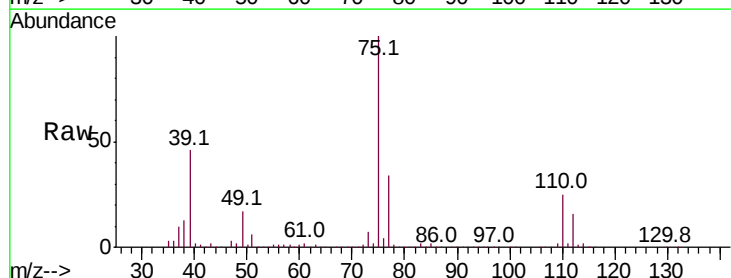
Tgt Ion: 75 Resp: 1804725

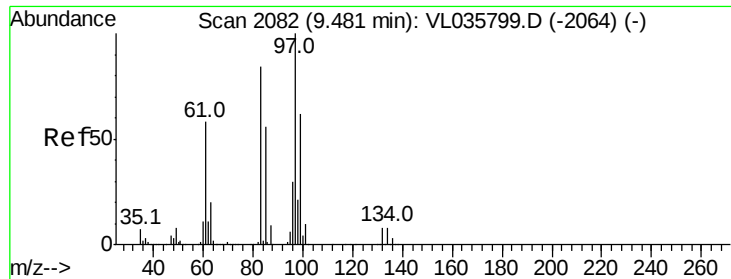
Ion Ratio Lower Upper

75 100

39 45.8 35.1 52.7

77 33.5 25.7 38.5





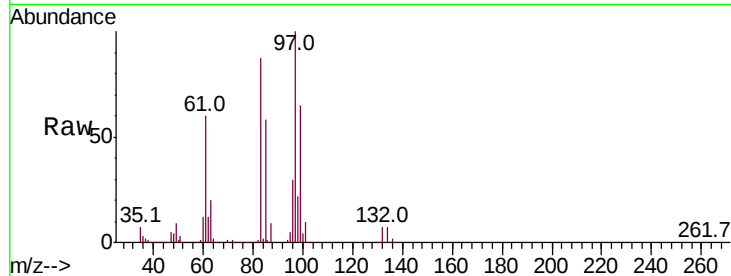
#47
 1,1,2-Trichloroethane
 Concen: 10.147 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.03 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

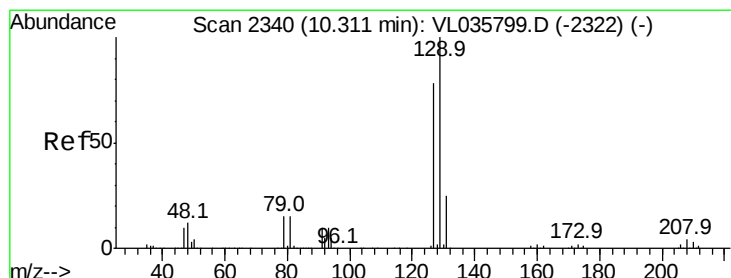
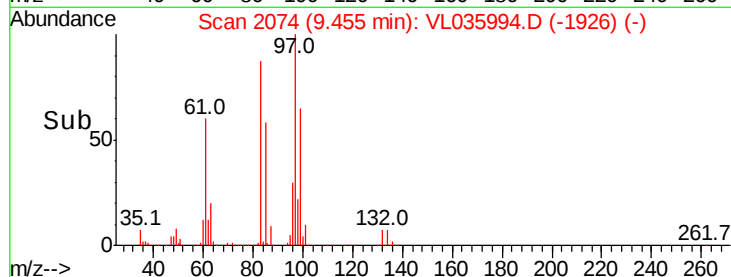
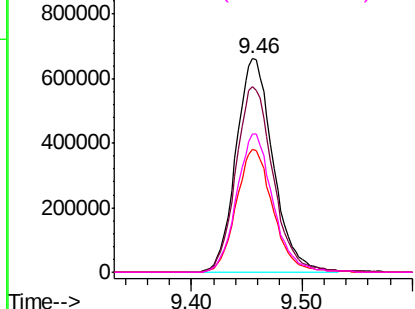
Tot Ion: 97 Resp: 1543311
 Ion Ratio Lower Upper
 97 100
 83 86.9 67.1 100.7
 85 57.8 44.7 67.1
 99 64.6 49.7 74.5

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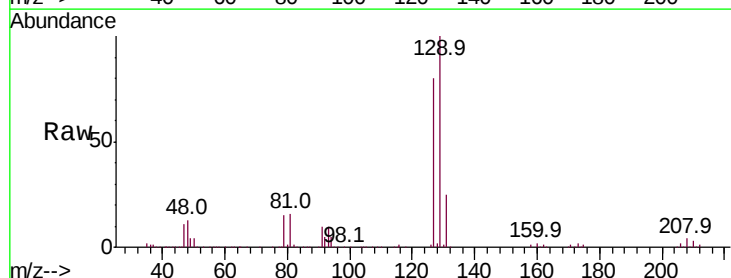


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

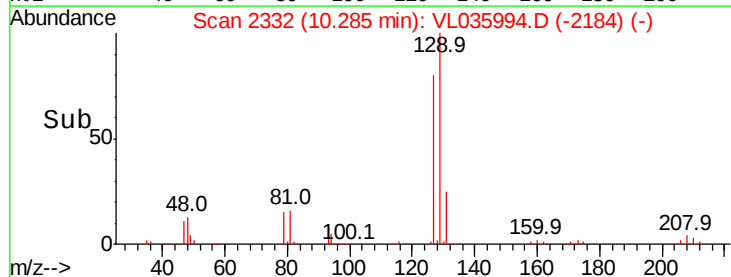
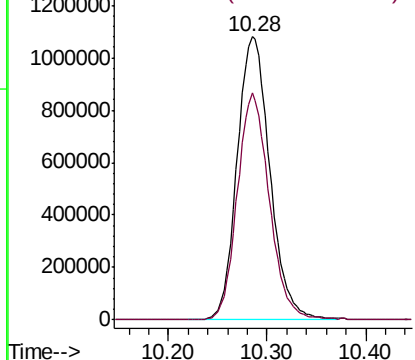


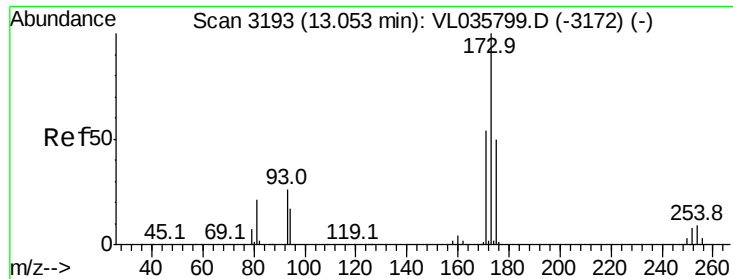
#48
 Dibromochloromethane
 Concen: 10.713 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.03 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Tgt Ion: 129 Resp: 2489372
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





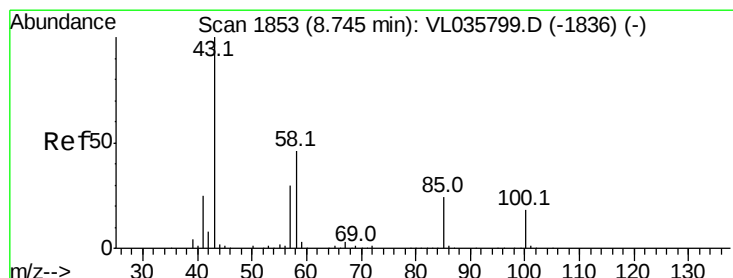
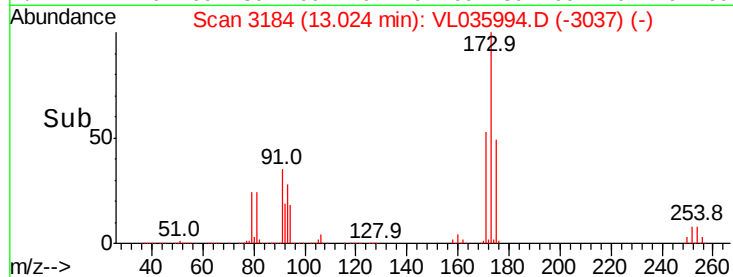
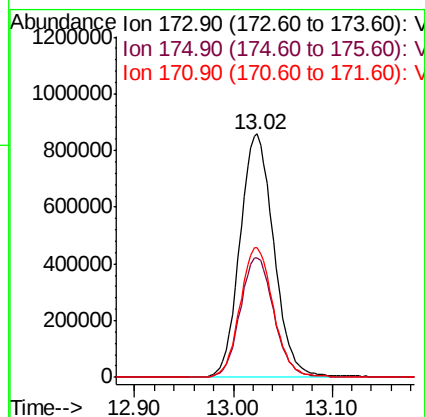
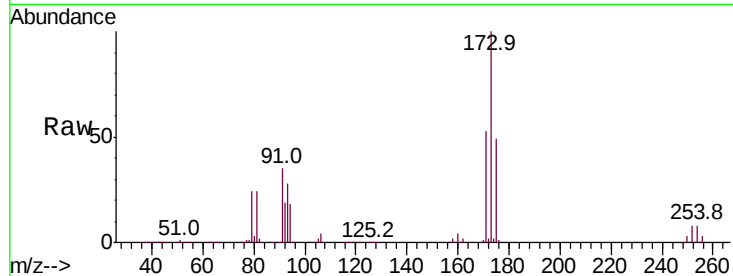
#49
Bromoform
Concen: 10.407 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 2040509
Ion Ratio Lower Upper
173 100
175 49.6 40.1 60.1
171 53.3 42.6 63.8

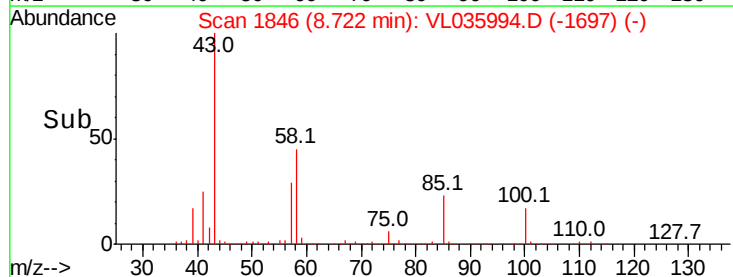
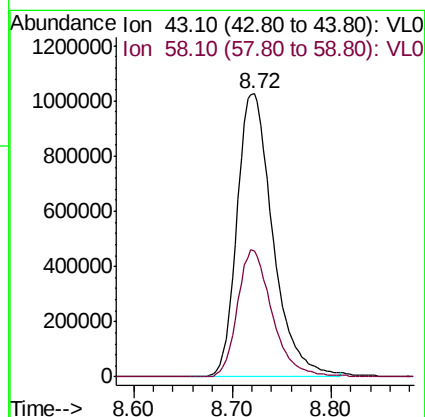
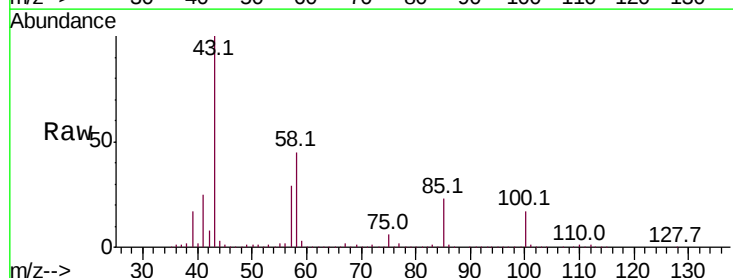
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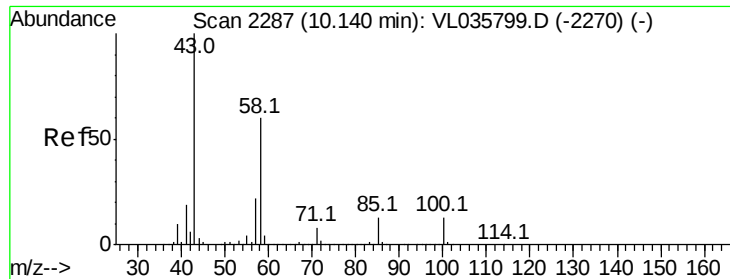
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.682 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 43 Resp: 2585280
Ion Ratio Lower Upper
43 100
58 43.7 36.0 54.0





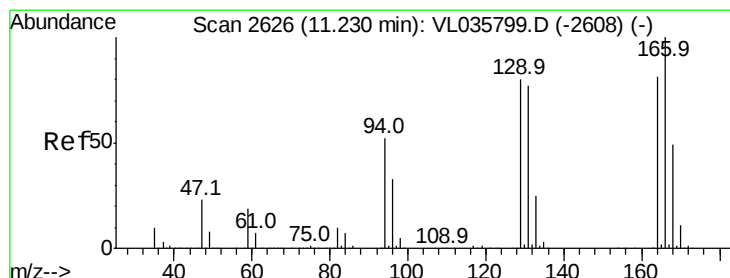
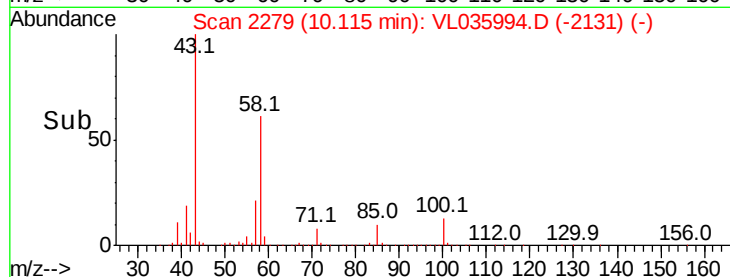
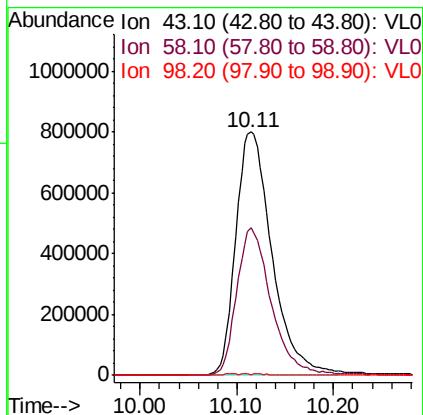
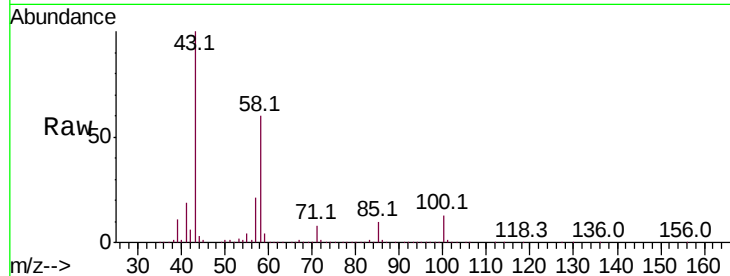
#51
2-Hexanone
Concen: 11.691 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2078397
Ion Ratio Lower Upper
43 100
58 58.2 48.3 72.5
98 0.9 0.6 0.8#

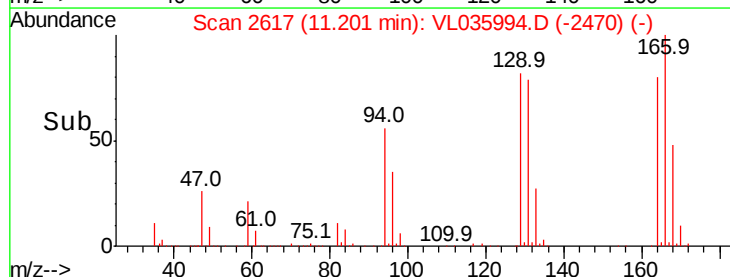
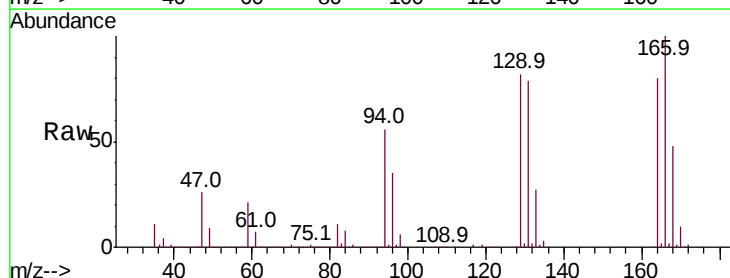
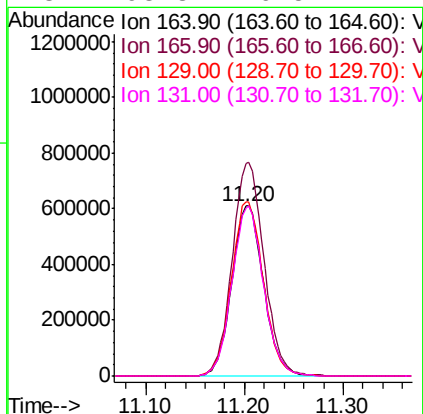
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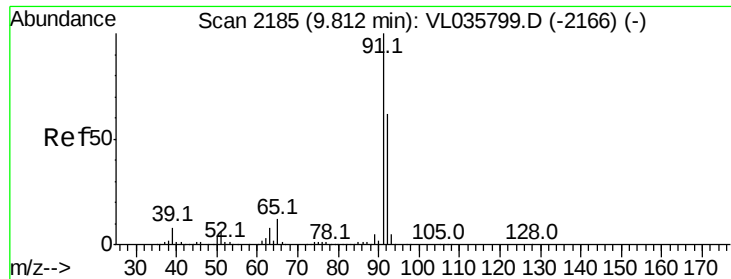
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11/27/2020 1:14:20 PM



#52
Tetrachloroethene
Concen: 8.633 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 164 Resp: 1356042
Ion Ratio Lower Upper
164 100
166 125.0 99.3 148.9
129 102.1 79.3 118.9
131 98.3 76.5 114.7





#53

Toluene

Concen: 9.998 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.03 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3999528

Ion Ratio Lower Upper

91 100

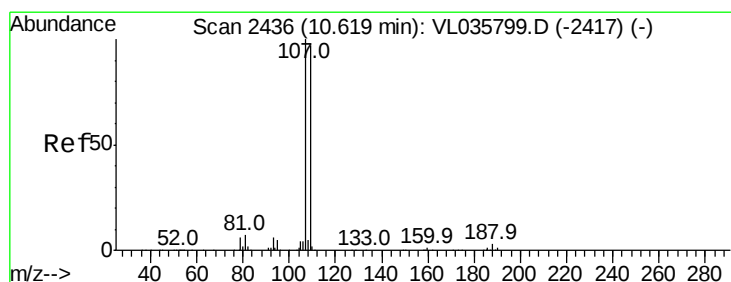
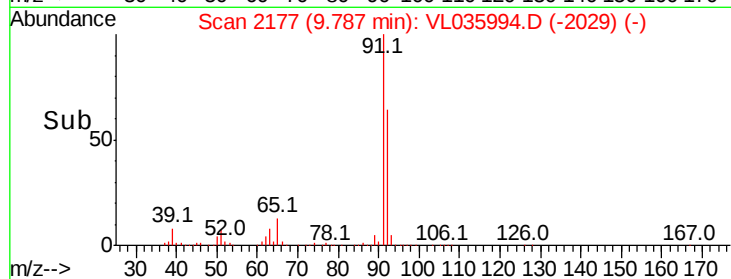
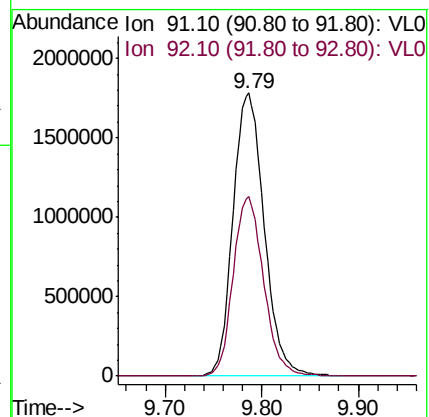
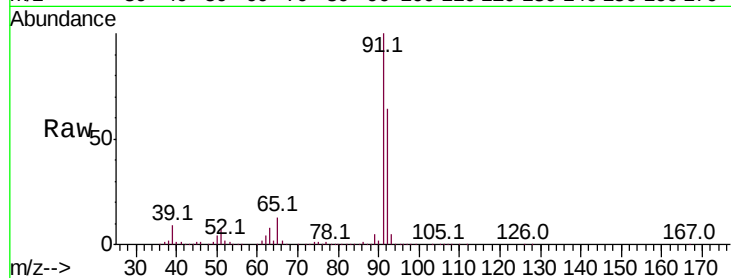
92 62.1 49.8 74.6

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11/27/2020 1:14:20 PM



#54

1,2-Dibromoethane

Concen: 9.932 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.03 min

Lab File: VL035994.D

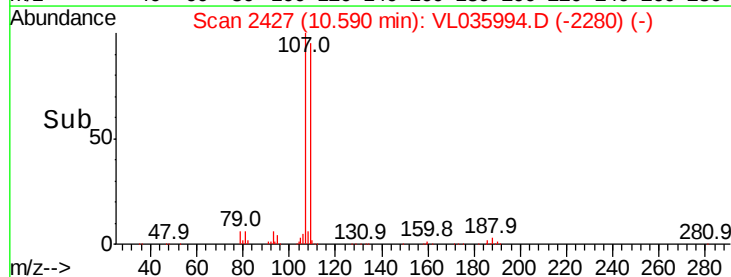
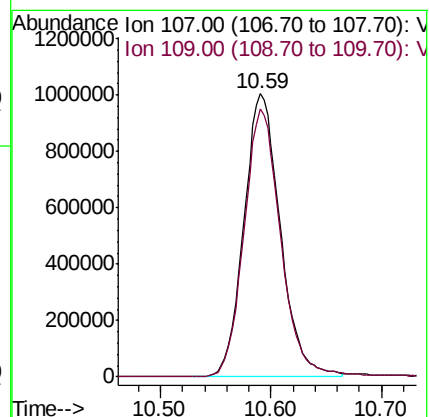
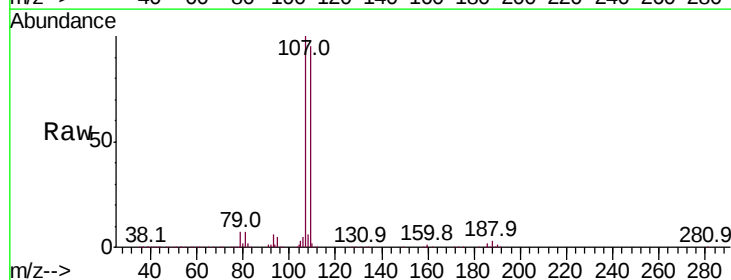
Acq: 24 Nov 2020 11:30

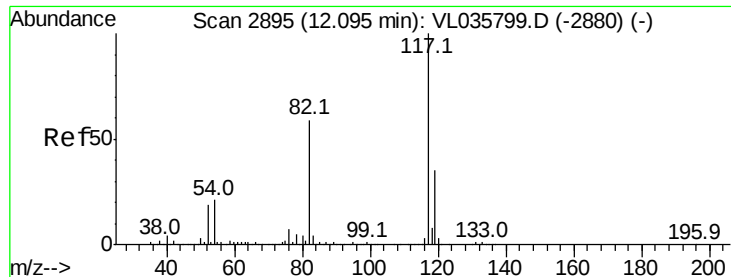
Tgt Ion: 107 Resp: 2297411

Ion Ratio Lower Upper

107 100

109 94.8 77.2 115.8





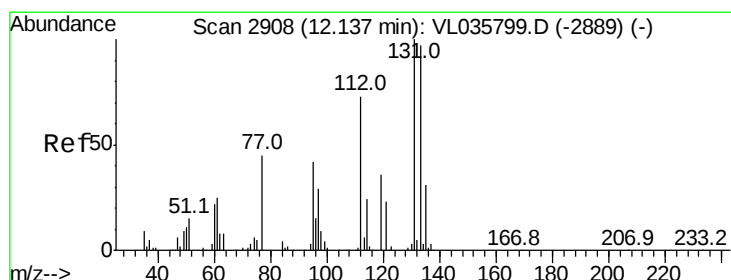
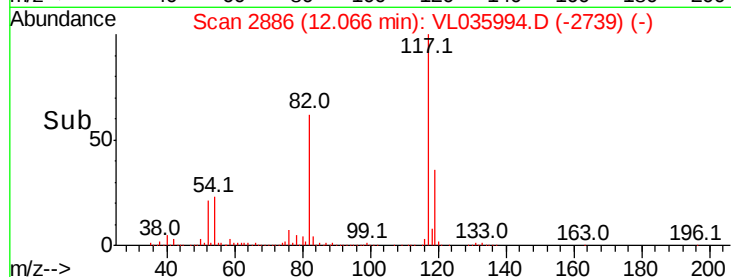
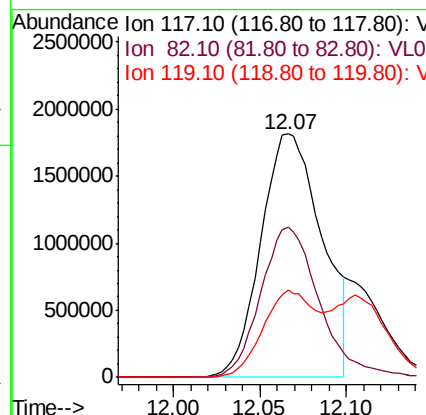
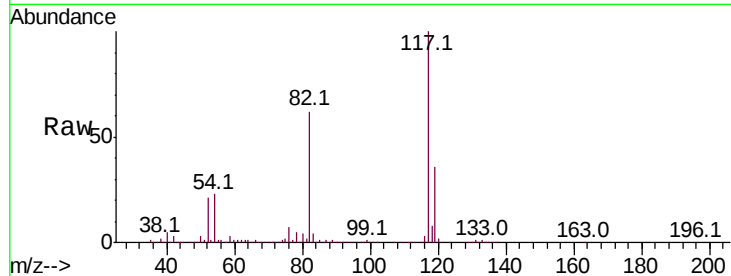
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4473797
Ion Ratio Lower Upper
117 100
82 59.9 50.6 76.0
119 32.5 52.6 78.8#

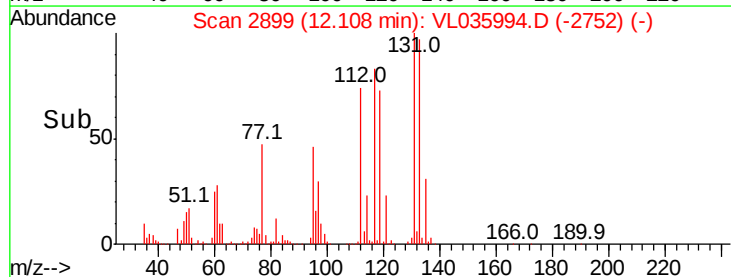
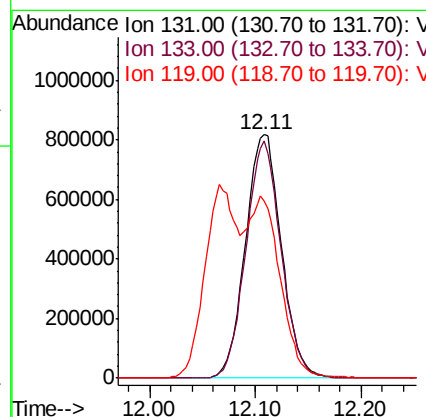
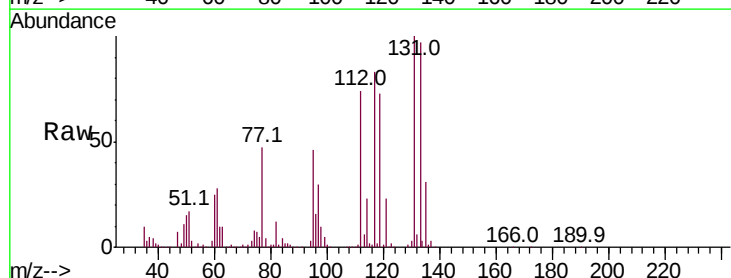
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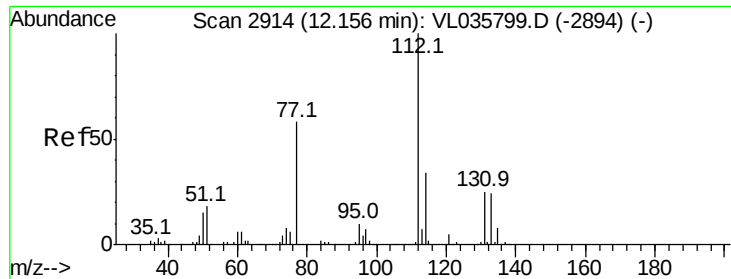
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.648 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion:131 Resp: 1937258
Ion Ratio Lower Upper
131 100
133 95.3 76.8 115.2
119 61.9 47.4 71.0





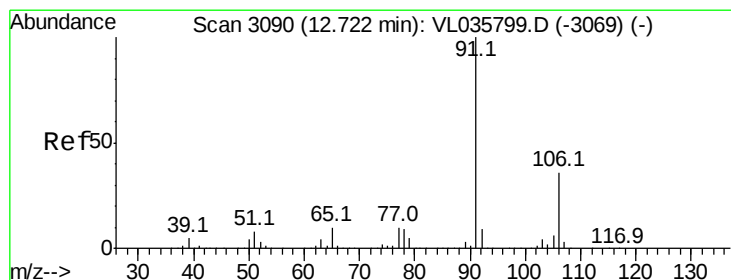
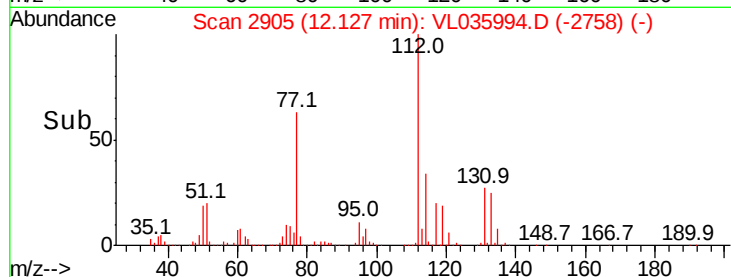
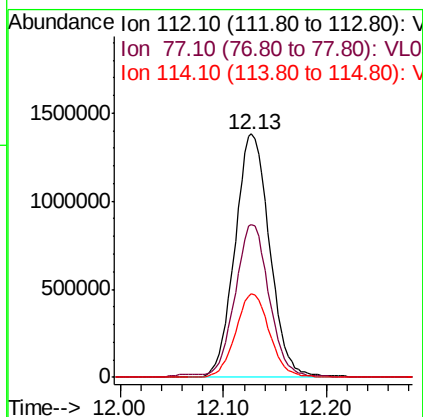
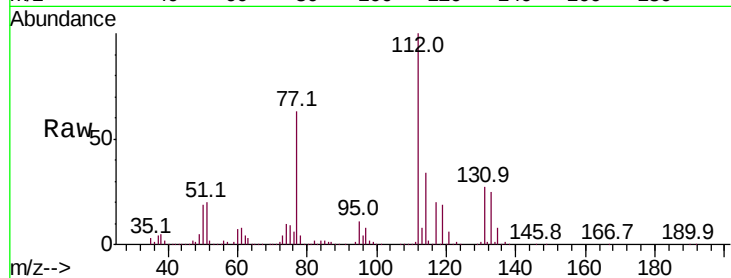
#57
Chlorobenzene
Concen: 9.095 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 3235259
Ion Ratio Lower Upper
112 100
77 62.7 47.5 71.3
114 34.2 30.3 37.1

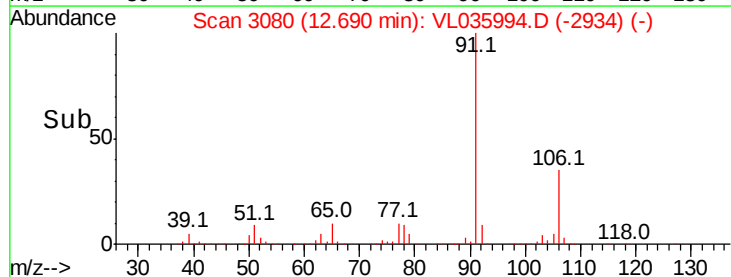
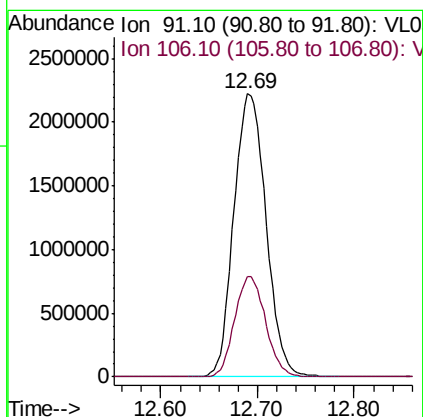
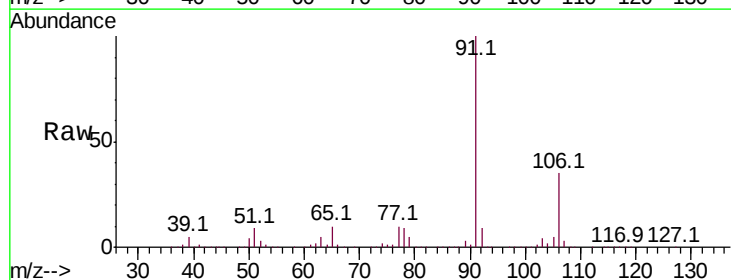
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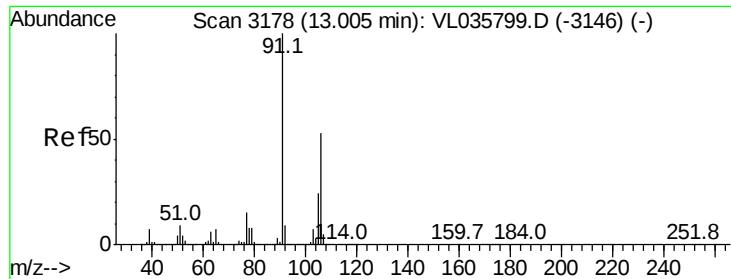
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#58
Ethyl Benzene
Concen: 9.439 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 91 Resp: 5143035
Ion Ratio Lower Upper
91 100
106 35.2 28.6 43.0





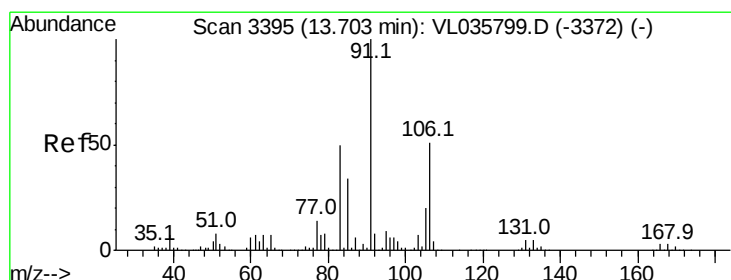
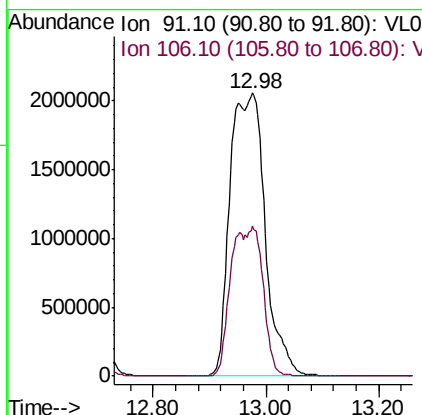
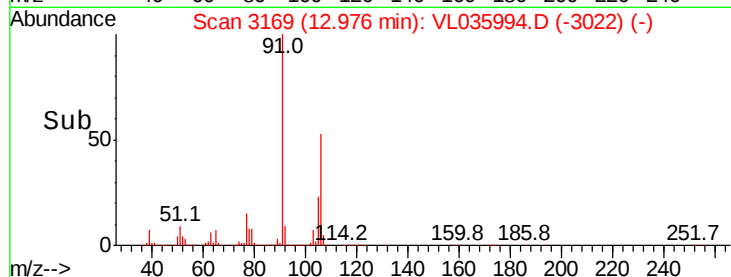
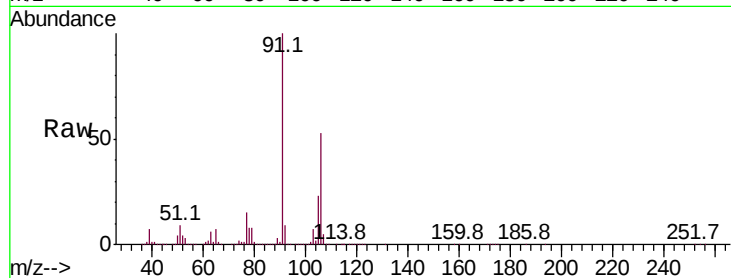
#59
m/p-Xylene
Concen: 19.230 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8865025
Ion Ratio Lower Upper
91 100
106 48.6 39.5 59.3

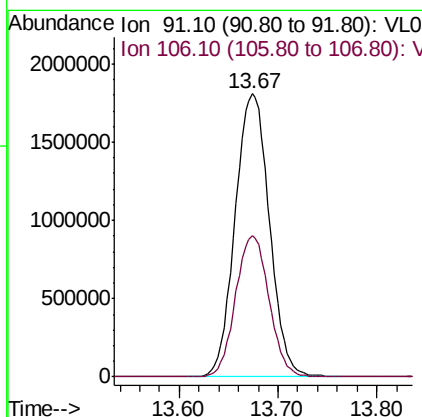
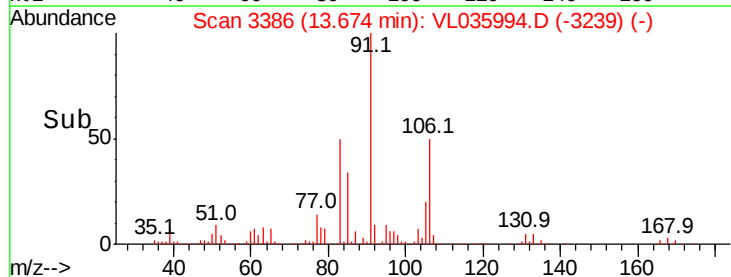
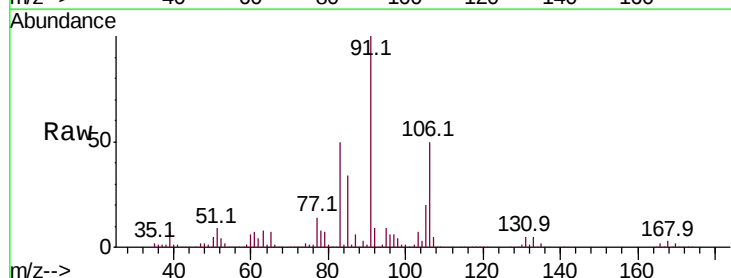
Manual Integrations
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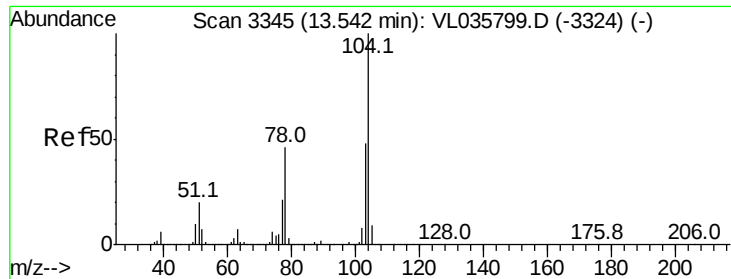
MMDadoda
11/27/2020 1:14:20 PM



#60
o-Xylene
Concen: 9.709 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 91 Resp: 4353968
Ion Ratio Lower Upper
91 100
106 48.8 24.8 74.4





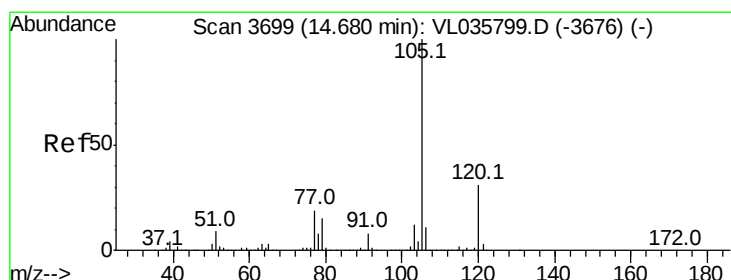
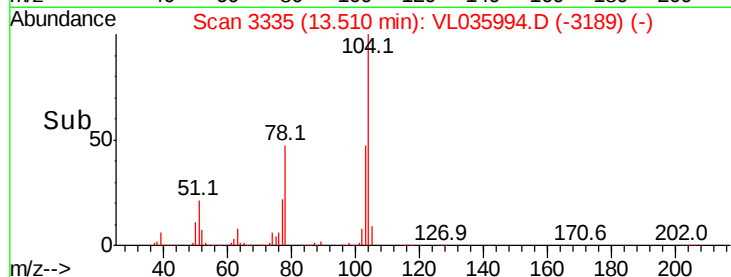
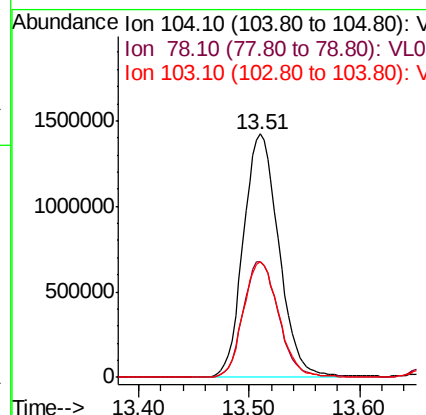
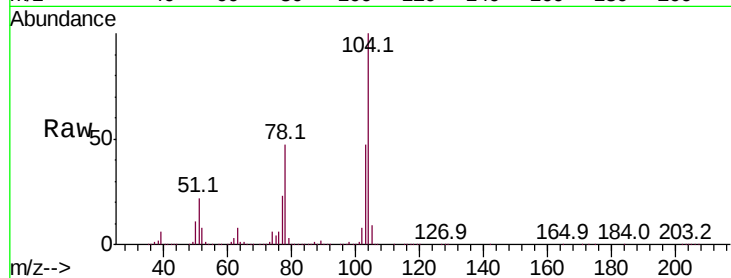
#61
Stvrene
Concen: 9.661 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 3174517
Ion Ratio Lower Upper
104 100
78 47.7 37.1 55.7
103 47.6 37.9 56.9

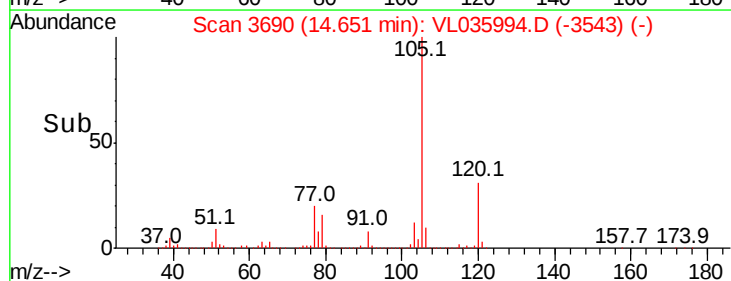
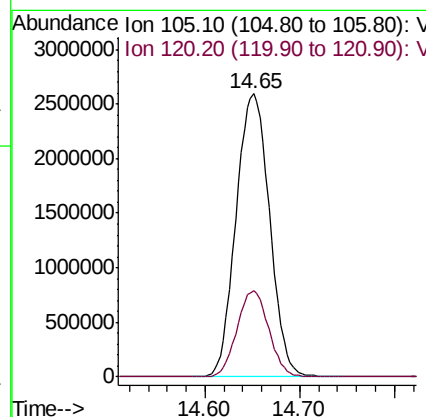
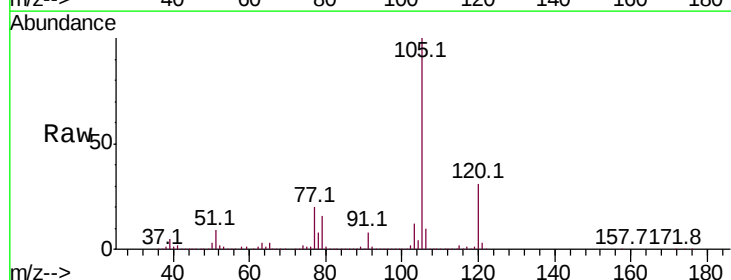
Manual Integrations
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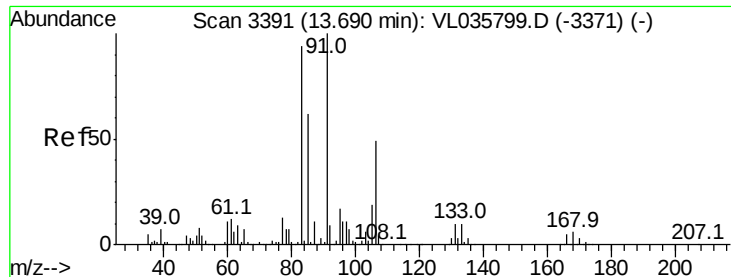
MMDadoda
11/27/2020 1:14:20 PM



#62
Isopropylbenzene
Concen: 9.076 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion:105 Resp: 6397595
Ion Ratio Lower Upper
105 100
120 28.9 23.5 35.3





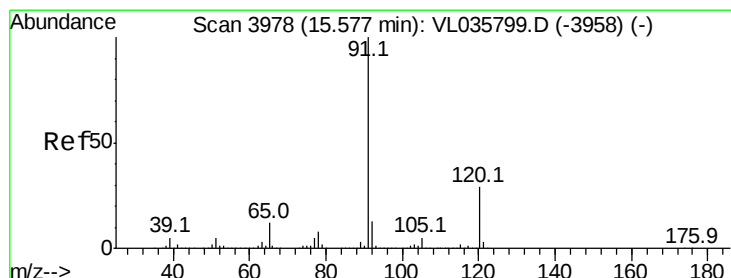
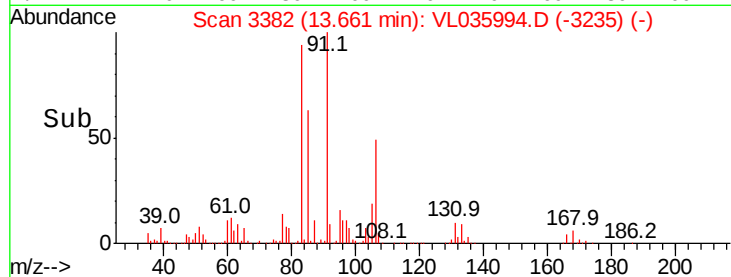
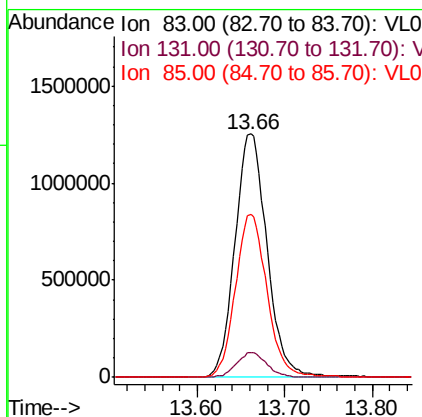
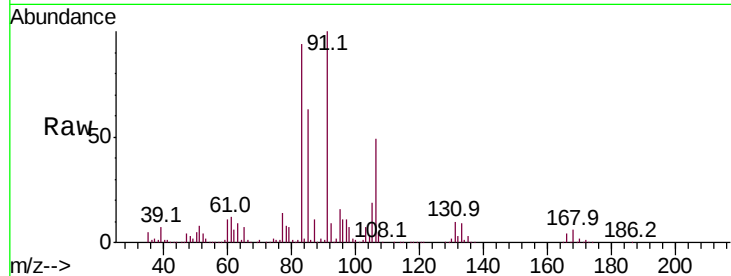
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.177 ppbv
 RT: 13.66 min Scan# 3382
 Delta R.T. -0.03 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 3188882
 Ion Ratio Lower Upper
 83 100
 131 9.7 5.3 15.8
 85 66.5 33.5 100.4

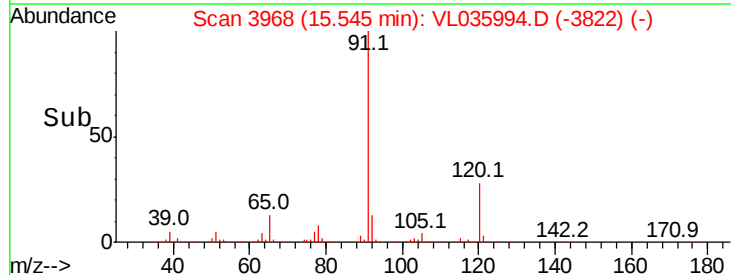
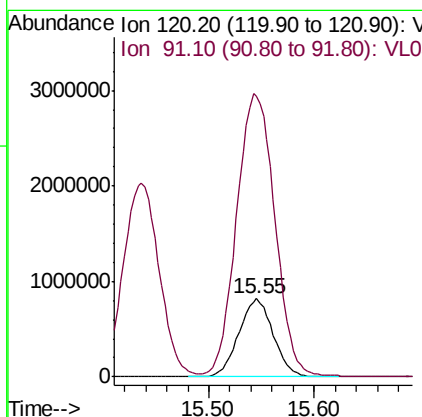
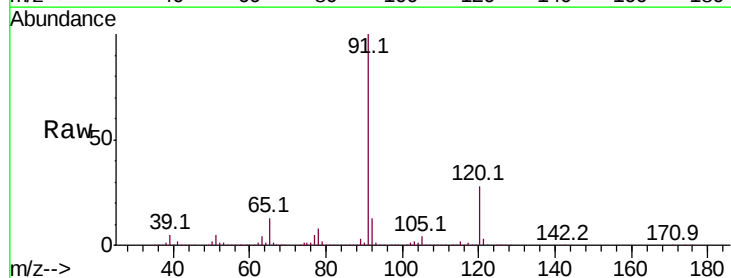
Manual Integrations
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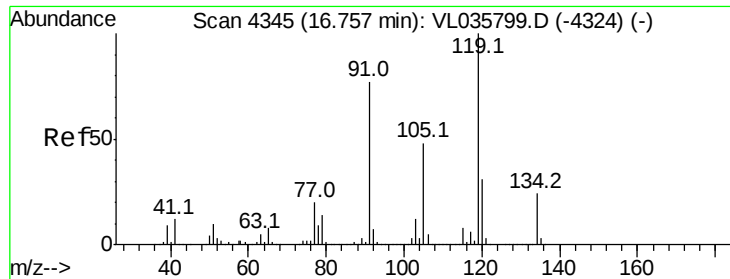
MMDadoda
 11/27/2020 1:14:20 PM



#64
 n-propylbenzene
 Concen: 9.144 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.03 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Tgt Ion:120 Resp: 1863006
 Ion Ratio Lower Upper
 120 100
 91 402.9 311.1 466.7





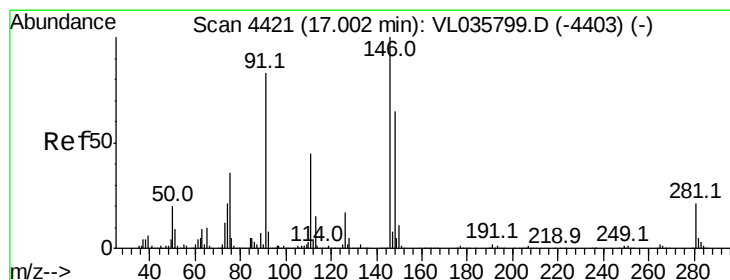
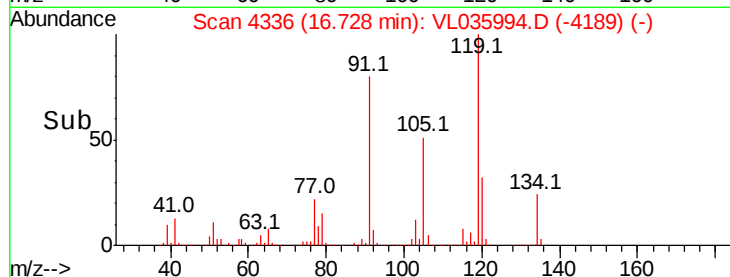
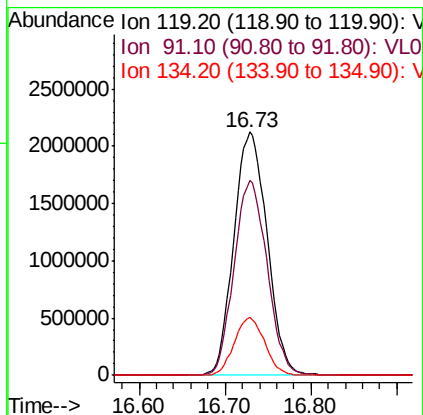
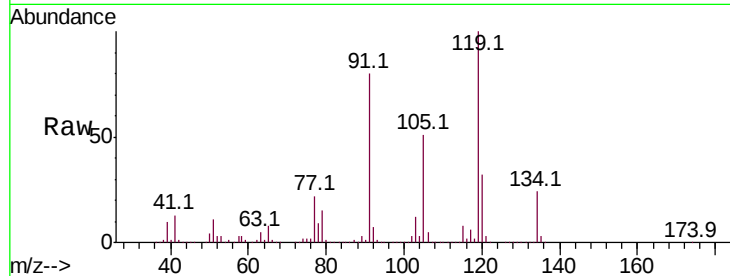
#65
tert-Butylbenzene
Concen: 8.904 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 5712640
Ion Ratio Lower Upper
119 100
91 79.4 62.0 93.0
134 21.8 17.8 26.8

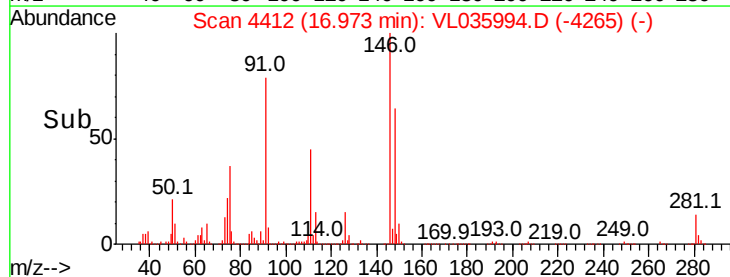
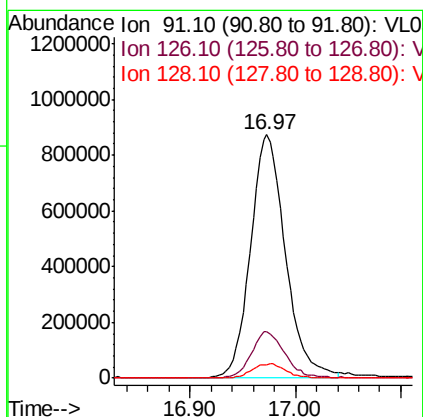
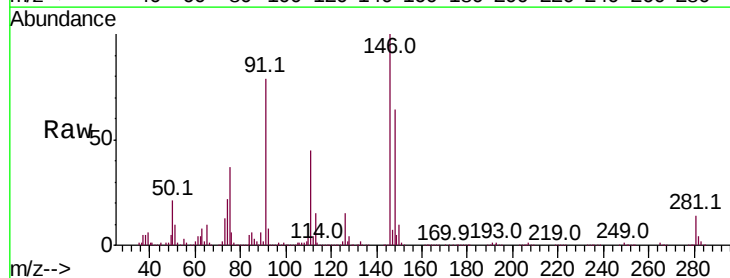
Manual Integrations
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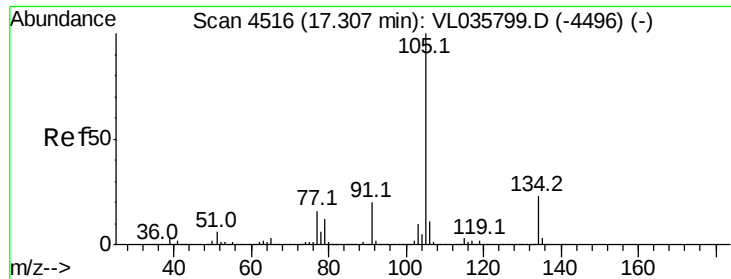
MMDadoda
11/27/2020 1:14:20 PM



#66
Benzyl Chloride
Concen: 9.474 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 91 Resp: 2009101
Ion Ratio Lower Upper
91 100
126 18.7 16.0 24.0
128 6.0 5.0 7.4





#67

sec-Butylbenzene

Concen: 8.897 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.03 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 7692666

Ion Ratio Lower Upper

105 100

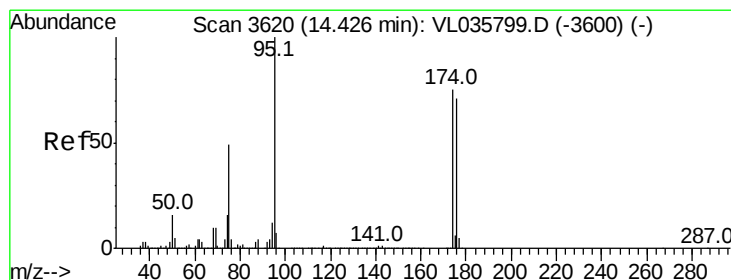
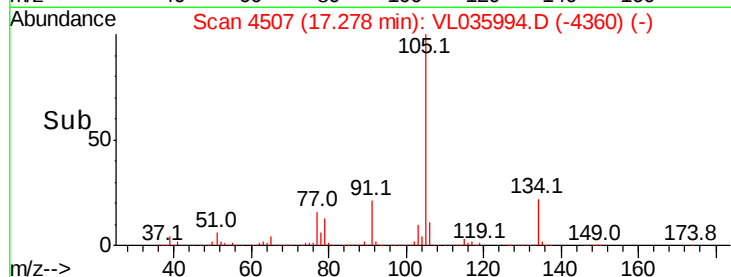
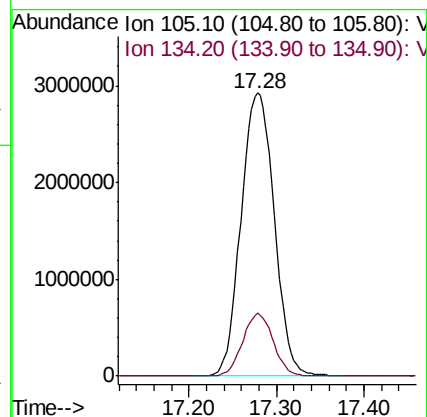
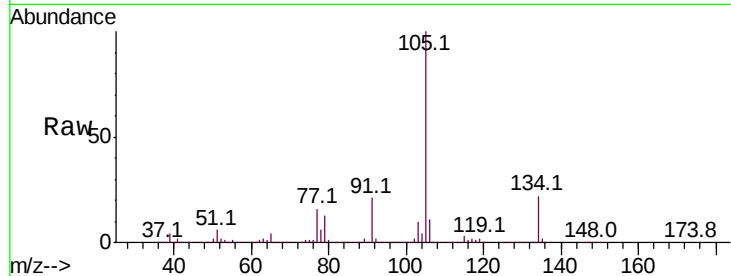
134 20.4 17.0 25.6

Manual Integrations

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11/27/2020 1:14:20 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.943 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

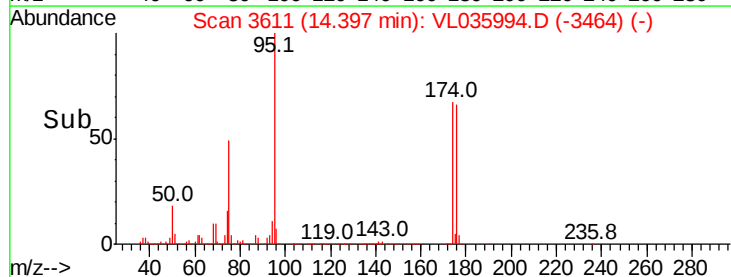
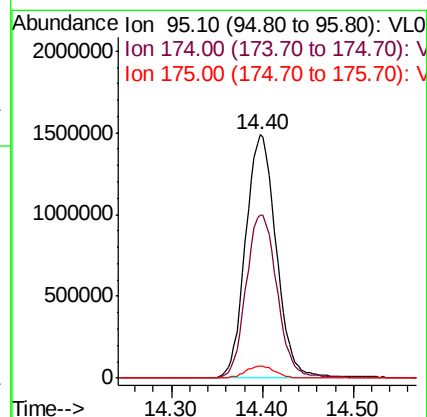
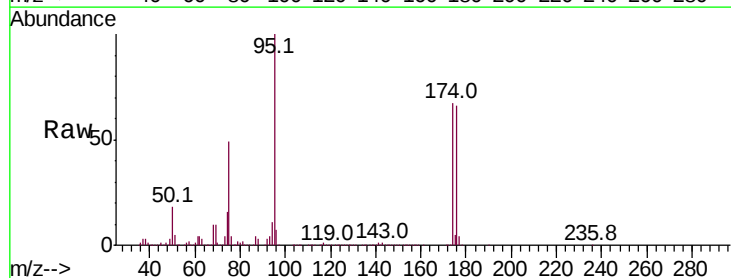
Tgt Ion: 95 Resp: 3478302

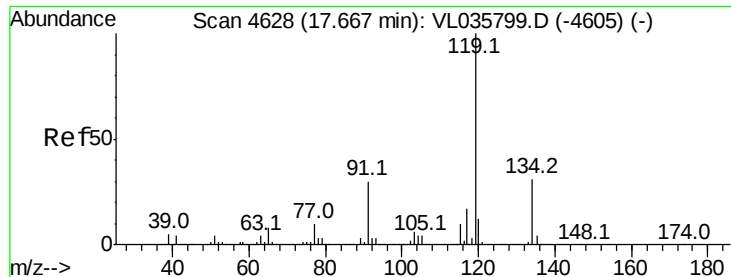
Ion Ratio Lower Upper

95 100

174 68.7 59.8 89.6

175 4.9 4.3 6.5





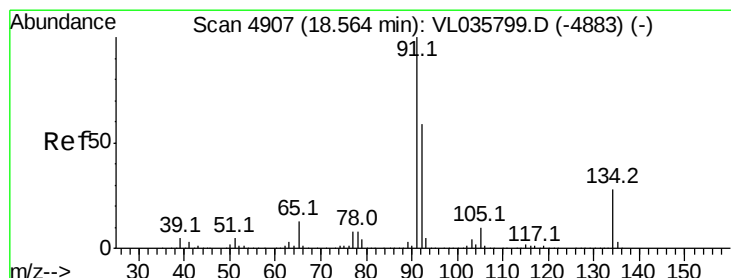
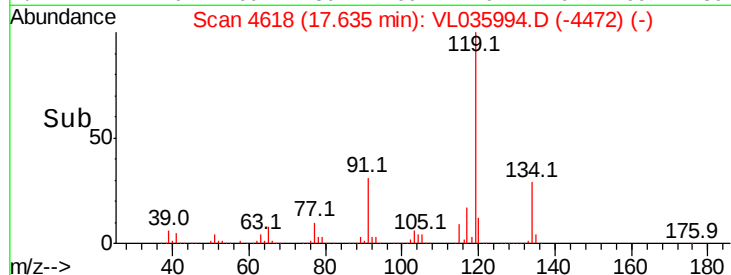
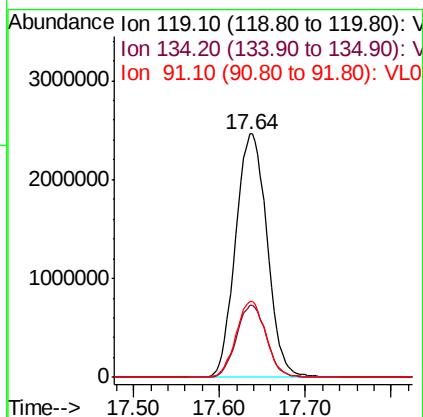
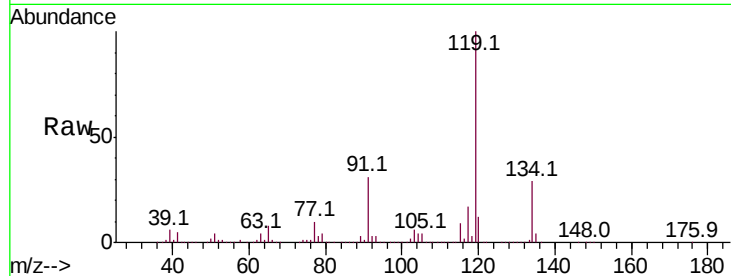
#69
p-Isopropyltoluene
Concen: 8.774 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 6259953
Ion Ratio Lower Upper
119 100
134 28.2 23.0 34.6
91 29.4 22.8 34.2

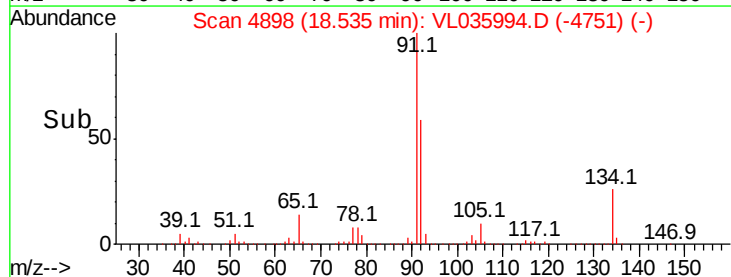
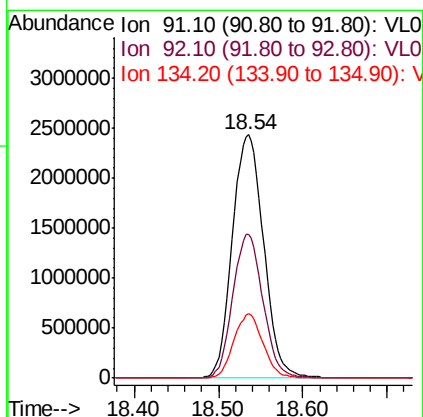
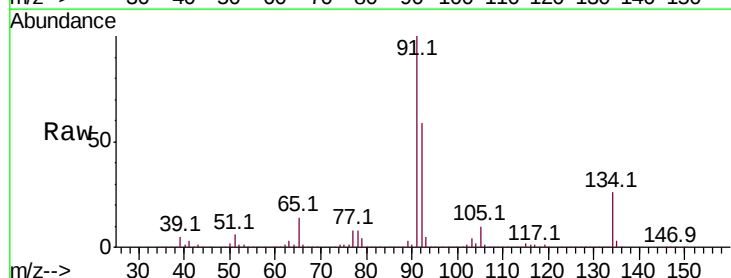
Manual Integrations
APPROVED

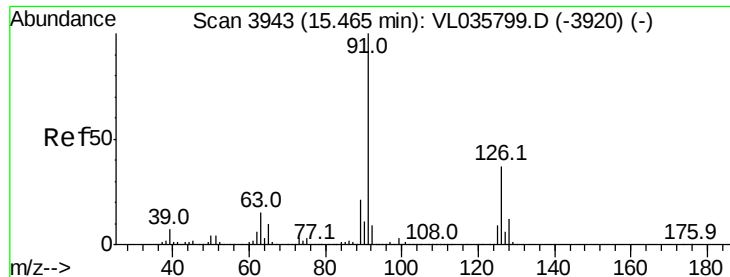
MMDadoda
11/27/2020 1:14:20 PM



#70
n-Butylbenzene
Concen: 9.167 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion: 91 Resp: 6298844
Ion Ratio Lower Upper
91 100
92 57.1 45.7 68.5
134 24.8 21.0 31.4





#71

2-Chlorotoluene

Concen: 9.355 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. -0.03 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4823218

Ion Ratio Lower Upper

91 100

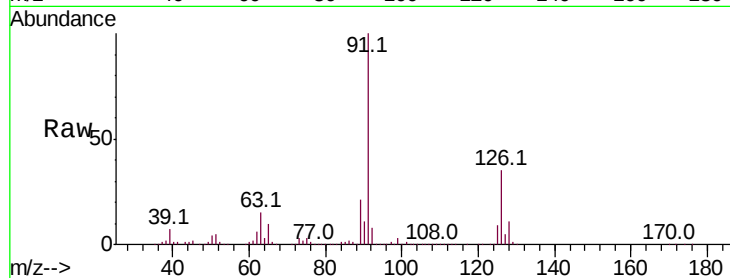
126 34.0 14.3 57.1

Manual Integrations

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11/27/2020 1:14:20 PM



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

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

3000000

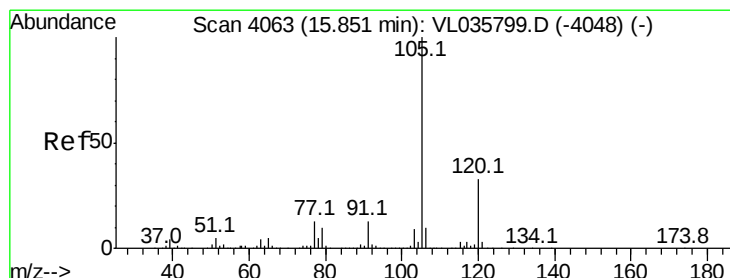
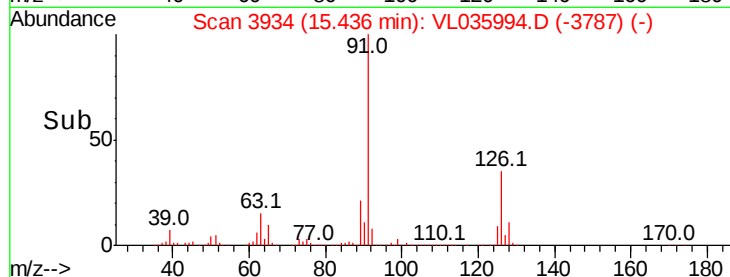
2000000

1000000

0

15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 9.257 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.03 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Tgt Ion: 105 Resp: 5034807

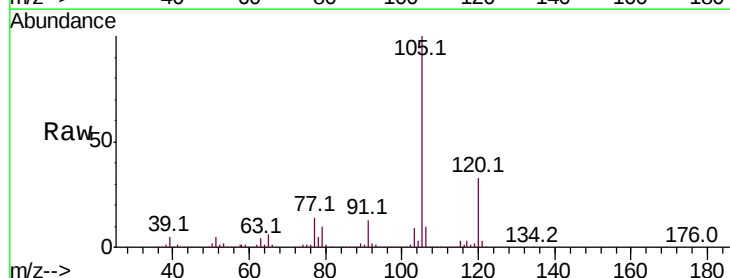
Ion Ratio Lower Upper

105 100

120 31.8 25.9 38.9

91 13.1 9.9 14.9

77 13.2 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

2500000

2000000

1500000

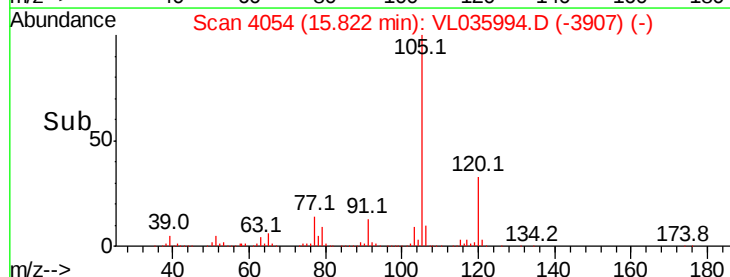
1000000

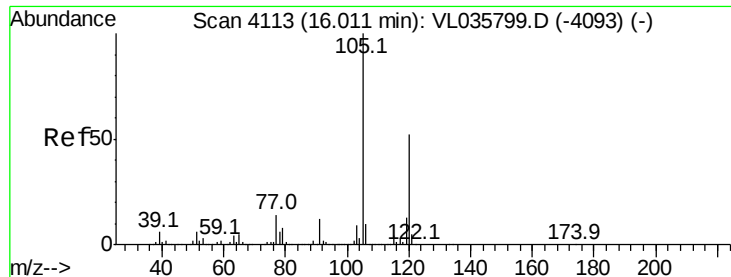
500000

0

15.80 15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 9.309 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.03 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4633364

Ion Ratio Lower Upper

105 100

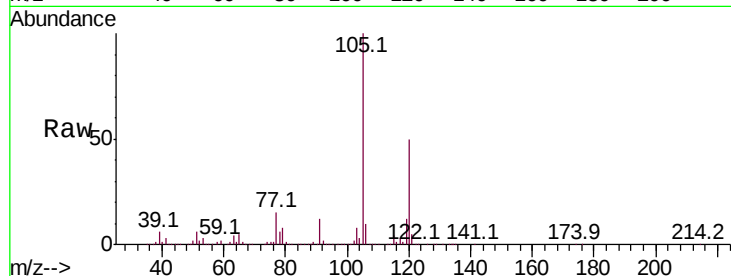
120 50.4 41.4 62.2

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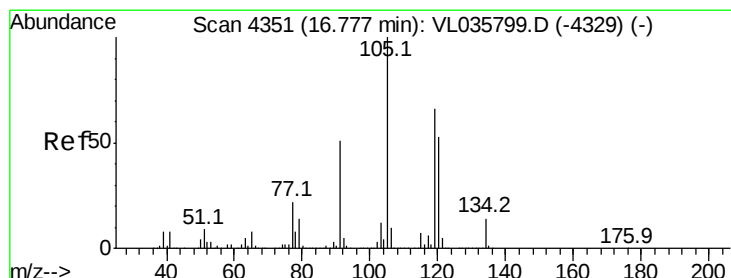
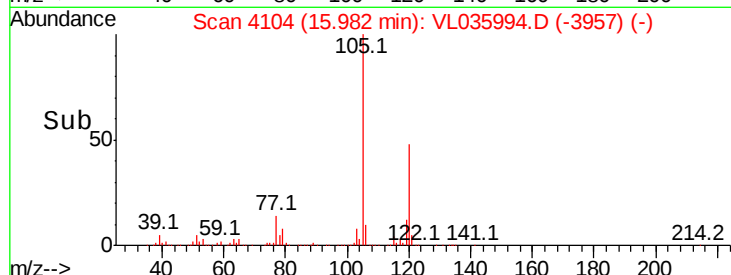
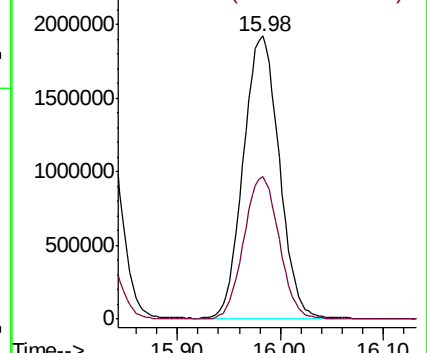
MMDadoda

11/27/2020 1:14:20 PM



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: 9.146 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.03 min

Lab File: VL035994.D

Acq: 24 Nov 2020 11:30

Tgt Ion:105 Resp: 4877751

Ion Ratio Lower Upper

105 100

120 52.2 42.0 63.0

91 51.4 41.0 61.6

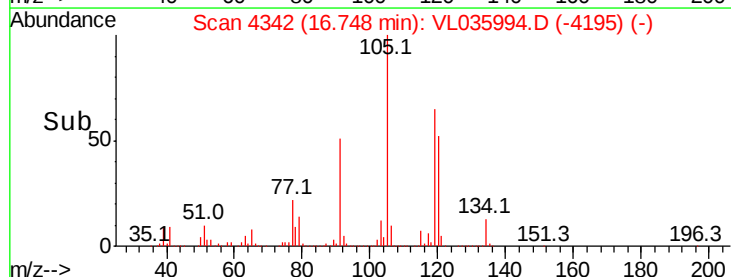
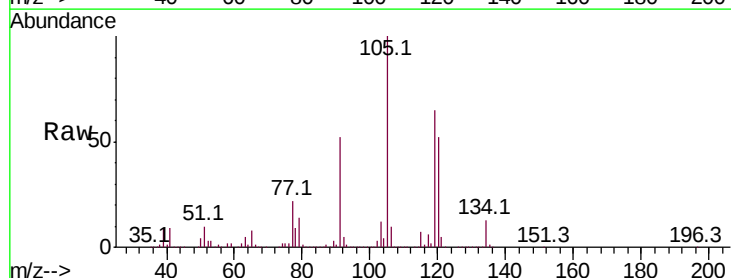
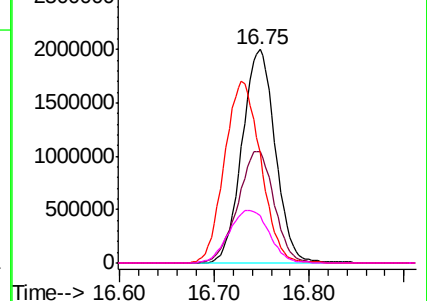
77 21.9 17.3 25.9

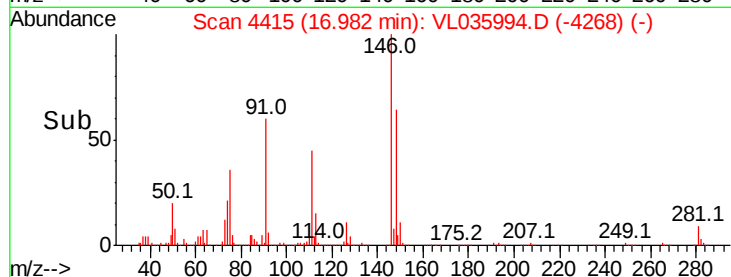
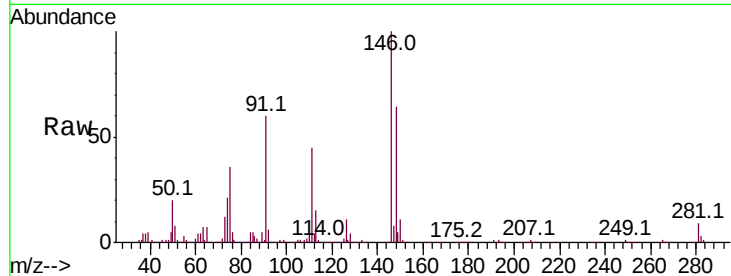
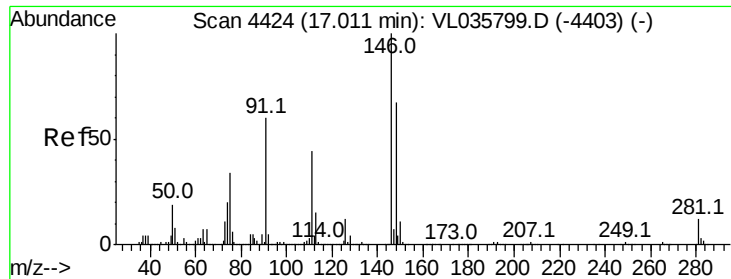
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





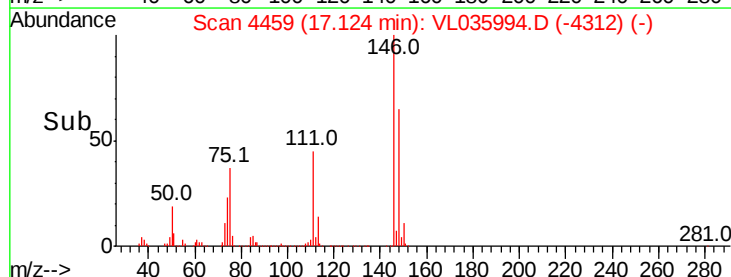
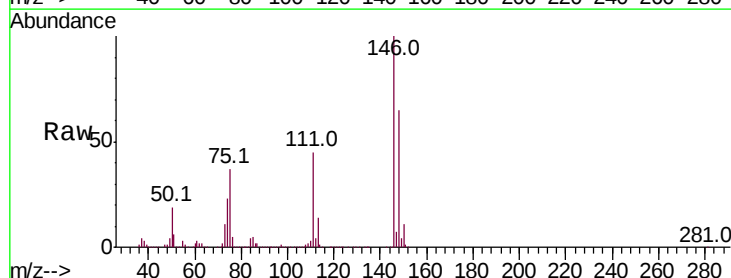
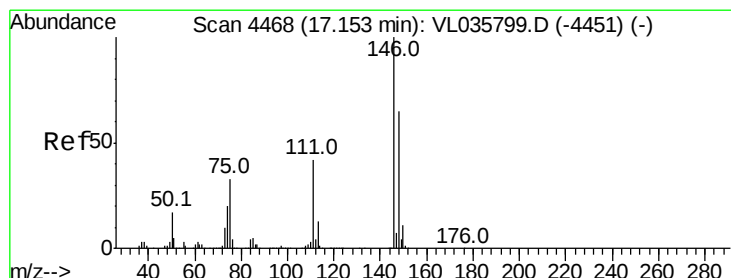
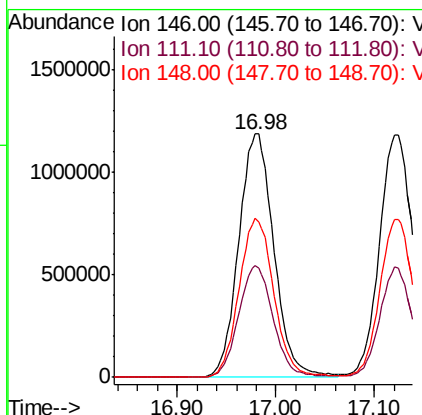
#75
1,3-Dichlorobenzene
Concen: 8.634 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tot Ion:146 Resp: 2931900
Ion Ratio Lower Upper
146 100
111 45.3 21.8 65.4
148 64.8 32.5 97.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

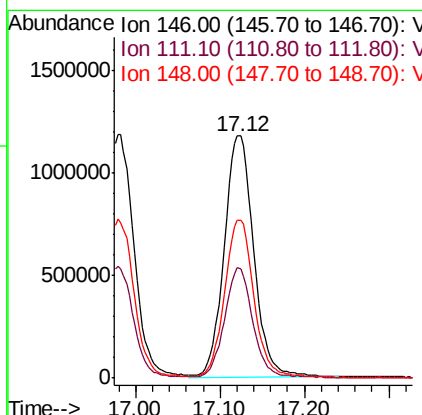
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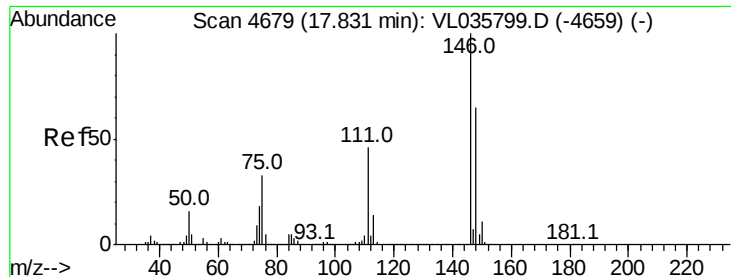
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11/27/2020 1:14:20 PM



#76
1,4-Dichlorobenzene
Concen: 8.729 ppbv
RT: 17.12 min Scan# 4459
Delta R.T. -0.03 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion:146 Resp: 2859586
Ion Ratio Lower Upper
146 100
111 43.8 21.3 63.7
148 64.7 33.0 99.0





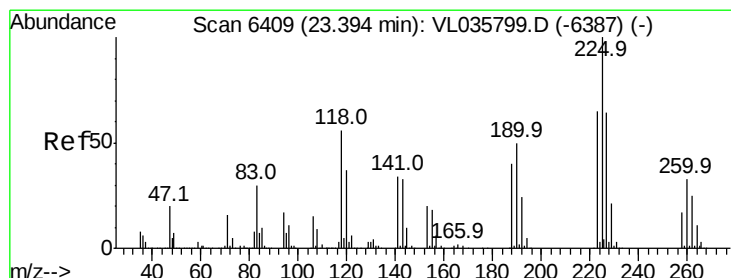
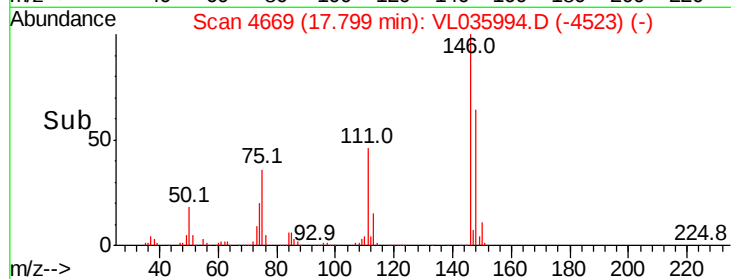
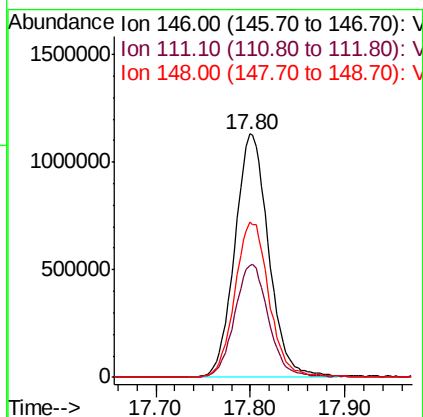
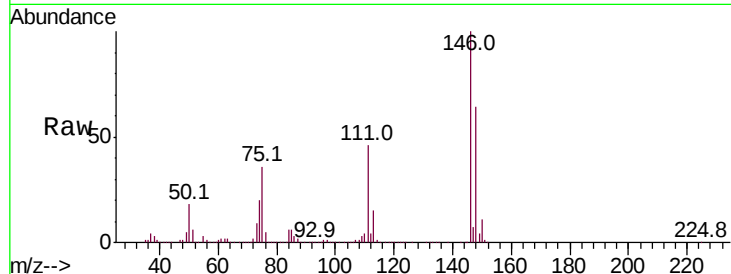
#77
 1,2-Dichlorobenzene
 Concen: 8.444 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. -0.03 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	22.4	67.0
148	64.9	32.5	97.5

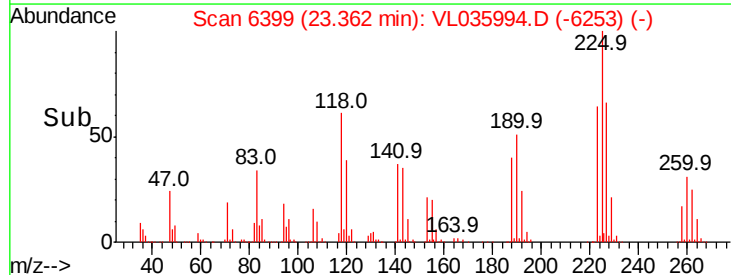
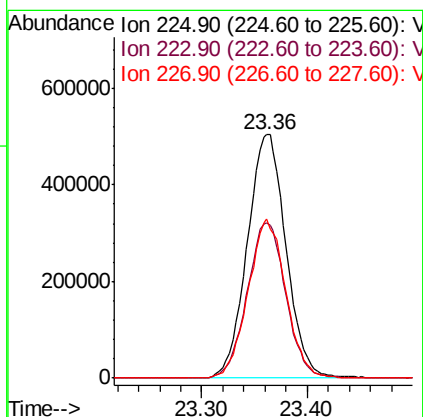
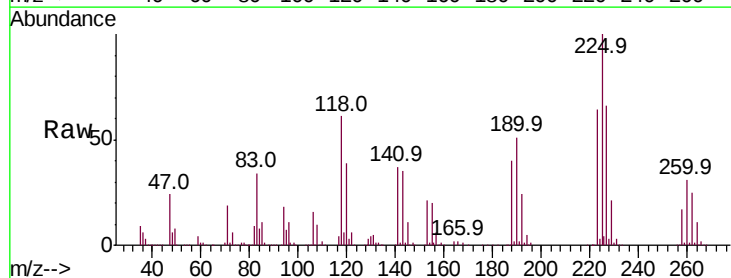
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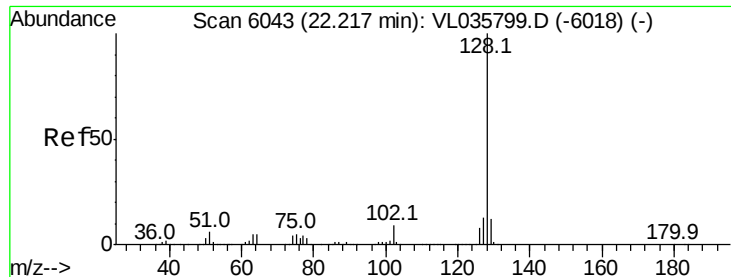
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.329 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. -0.03 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.0	76.6
227	63.9	51.2	76.8





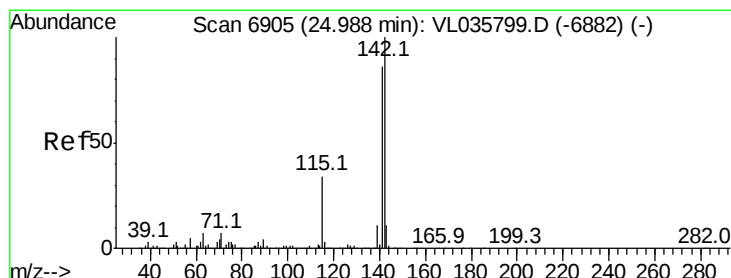
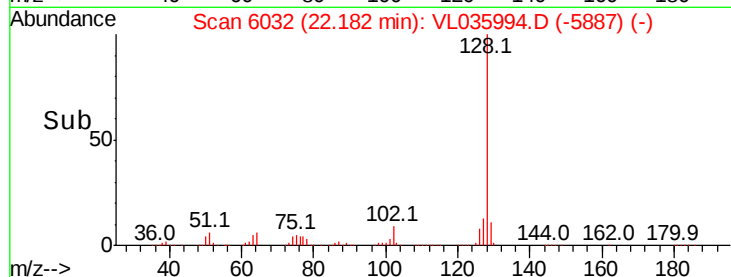
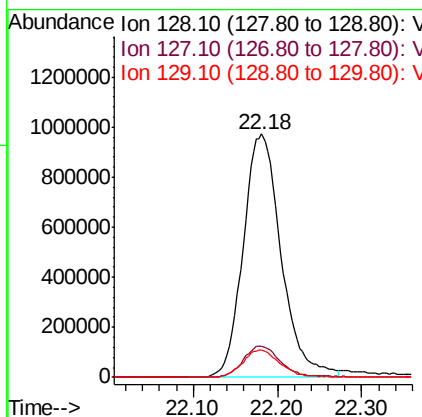
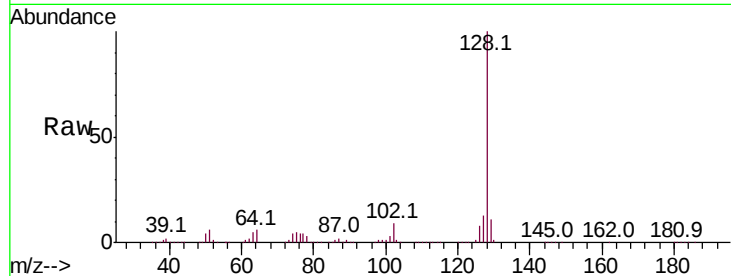
#79
Naphthalene
Concen: 8.180 ppbv
RT: 22.18 min Scan# 6032
Delta R.T. -0.04 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128 Resp: 3041254
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.0 9.2 13.8

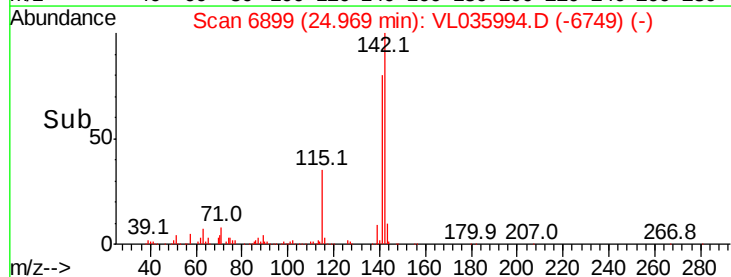
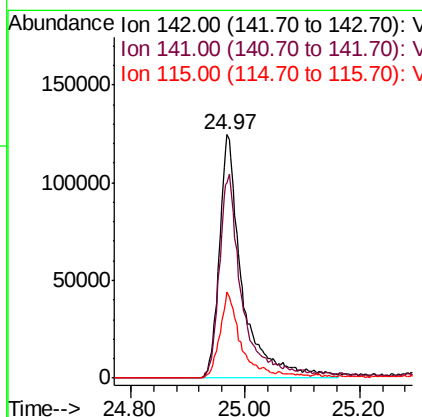
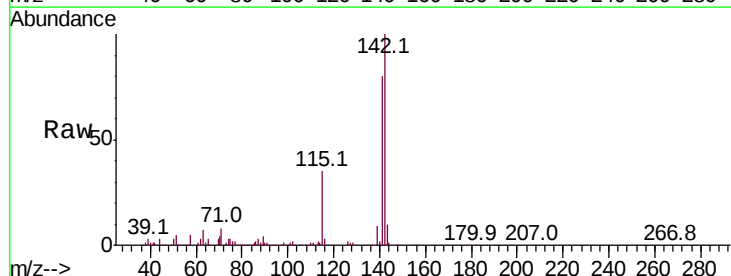
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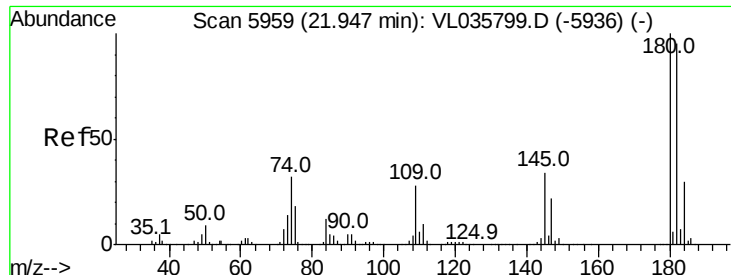
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#80
Naphthalene, 2-methyl-
Concen: 5.729 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. -0.02 min
Lab File: VL035994.D
Acq: 24 Nov 2020 11:30

Tgt Ion:142 Resp: 347097
Ion Ratio Lower Upper
142 100
141 83.2 67.8 101.8
115 33.7 28.1 42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 7.658 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.04 min
 Lab File: VL035994.D
 Acq: 24 Nov 2020 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	77.2	115.8
184	31.1	24.7	37.1

Manual Integrations
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