

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111620\
 Data File : VL035968.D
 Acq On : 17 Nov 2020 8:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 9:08:45 AM

Quant Time: Nov 17 13:15:36 2020
 Quant Title :
 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	5.67	49	1171150	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4652336	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4599683m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3398380	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2022532	9.173	ppbv	99
3) Chlorodifluoromethane	2.98	51	1346346	9.600	ppbv	99
4) Chloromethane	3.14	50	672423	9.869	ppbv	99
5) Vinyl Chloride	3.25	62	859283	9.894	ppbv	98
6) Bromomethane	3.47	94	709485	10.157	ppbv	98
7) Chloroethane	3.56	64	316197	10.344	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2500162	9.908	ppbv	96
9) Propene	3.01	41	497357	9.689	ppbv	98
10) Heptane	8.13	43	1503814	10.606	ppbv	99
11) Trichlorofluoromethane	3.95	101	2761252	9.973	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2100821	10.191	ppbv	95
13) Ethanol	3.61	45	98411	8.837	ppbv	97
14) Bromoethene	3.74	108	940079	9.909	ppbv	99
15) Acetone	3.85	43	1207782	9.646	ppbv	100
16) 1,3-Butadiene	3.33	39	541181	10.039	ppbv	100
17) tert-Butyl alcohol	4.29	59	1762938	10.624	ppbv	100
18) 1,1-Dichloroethene	4.29	96	984937	10.407	ppbv	96
19) Isopropyl Alcohol	3.97	45	806965	10.488	ppbv	100
20) Methylene Chloride	4.34	84	813860	9.234	ppbv	99
21) Allvl Chloride	4.41	41	699795	10.335	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	983468	10.250	ppbv	96
23) Vinyl Acetate	5.08	43	1722120	9.812	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1690034	10.107	ppbv	99
25) Ethyl Acetate	5.68	43	2521180	10.221	ppbv	100
26) Hexane	5.69	57	1358812	9.989	ppbv	99
27) Carbon Disulfide	4.55	76	2127764	10.439	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2361011	9.665	ppbv	100
29) Chloroform	5.76	83	2653580	9.925	ppbv	99
30) Cyclohexane	7.14	84	1440740	9.724	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1423233	10.170	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2573428	9.224	ppbv	99
34) 2-Butanone	5.25	43	1629936	10.795	ppbv	100
35) Carbon Tetrachloride	7.02	117	2541028	10.222	ppbv	100
36) Benzene	6.90	78	3433847	9.928	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1663845	10.619	ppbv	100
38) Trichloroethene	7.84	130	1574616	9.321	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1188412	10.206	ppbv	96
40) 1,4-Dioxane	7.83	88	571830	10.361	ppbv #	1
41) Tetrahydrofuran	6.05	42	938683	10.943	ppbv	98
42) Bromodichloromethane	7.80	83	2802908	10.601	ppbv	99
43) Methyl Methacrylate	8.02	69	1419894	10.763	ppbv	100
44) 2,2,4-Trimethylpentane	7.88	57	4649872	10.159	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	1505493	10.765	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1881172	10.621	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1603032	10.103	ppbv	97
48) Dibromochloromethane	10.31	129	2576106	10.627	ppbv	100
49) Bromoform	13.05	173	2190019	10.707	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2529129	10.954	ppbv	99
51) 2-Hexanone	10.14	43	2101050	11.328	ppbv	99
52) Tetrachloroethene	11.23	164	1479558	9.029	ppbv	98
53) Toluene	9.81	91	4191261	10.043	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2449431	10.151	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	2011755	9.745	ppbv	96
57) Chlorobenzene	12.16	112	3418663	9.348	ppbv	98
58) Ethyl Benzene	12.72	91	5418419	9.672	ppbv	100
59) m/p-Xylene	13.01	91	9180882m	19.370	ppbv	
60) o-Xylene	13.70	91	4511084	9.784	ppbv	100
61) Styrene	13.54	104	3466885	10.262	ppbv	100
62) Isopropylbenzene	14.68	105	6769271	9.341	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3322215	9.299	ppbv	100
64) n-propylbenzene	15.57	120	2063174	9.850	ppbv	98
65) tert-Butylbenzene	16.76	119	6199981	9.399	ppbv	99
66) Benzyl Chloride	17.00	91	2364205	10.843	ppbv	99
67) sec-Butylbenzene	17.31	105	8373418	9.420	ppbv	100
69) p-Isopropyltoluene	17.67	119	7084190	9.657	ppbv	99
70) n-Butylbenzene	18.56	91	7198521	10.190	ppbv	99
71) 2-Chlorotoluene	15.46	91	5207370	9.824	ppbv	99
72) 4-Ethyltoluene	15.85	105	5531866	9.892	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	5138977	10.042	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	5371960	9.797	ppbv	100
75) 1,3-Dichlorobenzene	17.01	146	3415071	9.781	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3387271	10.057	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3357254	9.864	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1809826	11.396	ppbv	99
79) Naphthalene	22.22	128	5015383	13.121	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	1212344	19.462	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	2542765	11.906	ppbv	99

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

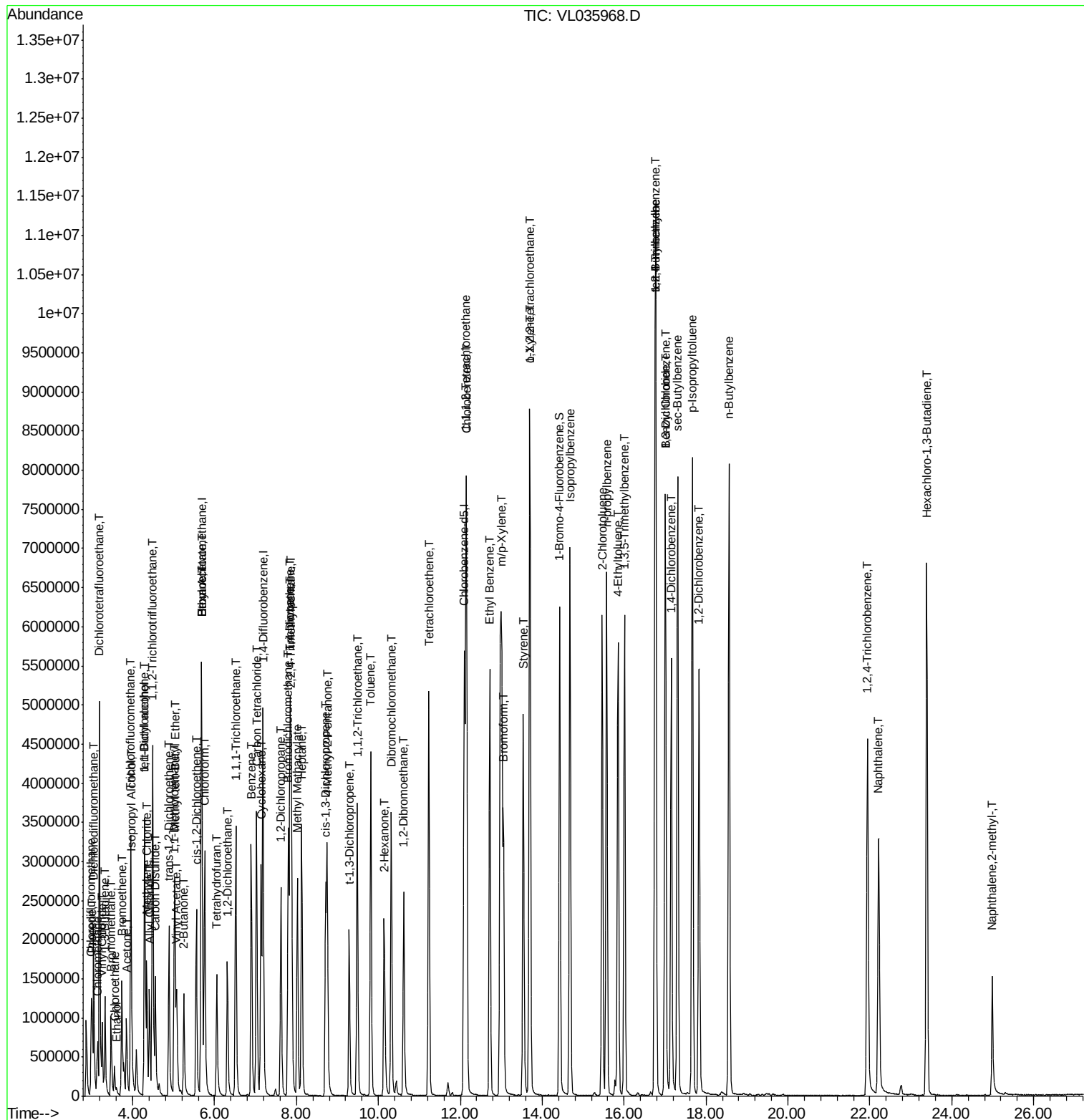
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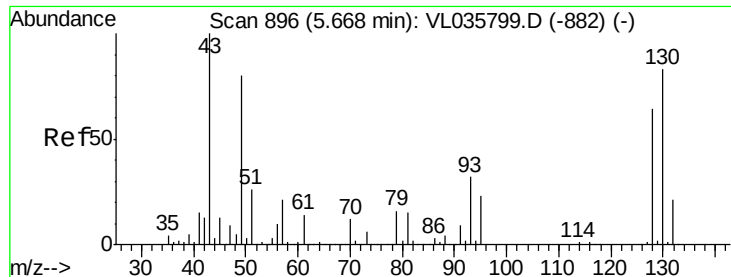
Instrument :
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1171150

Ion Ratio Lower Upper

49 100

128 83.6 41.5 124.6

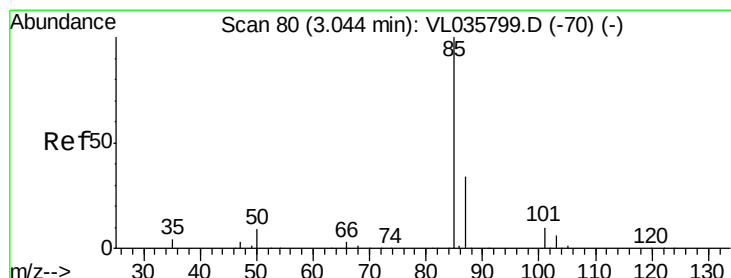
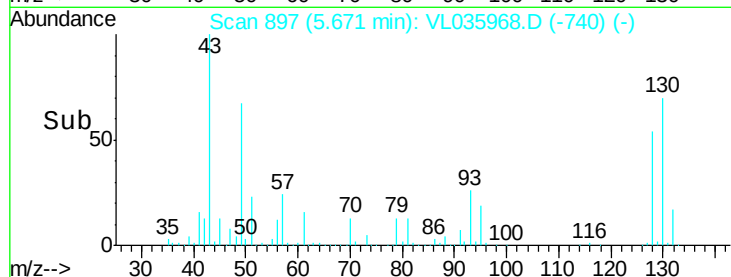
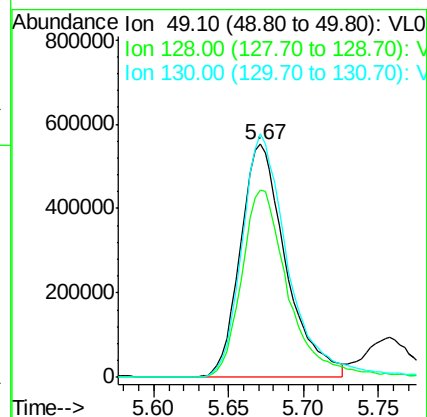
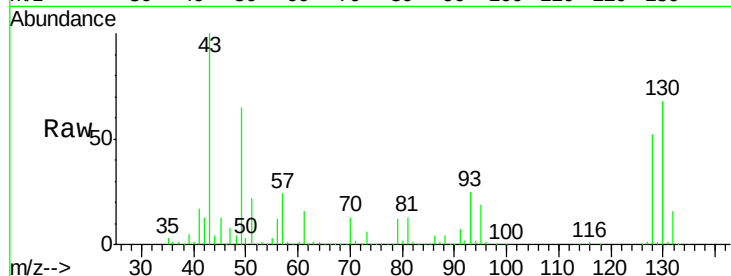
130 107.5 53.7 161.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 9.173 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035968.D

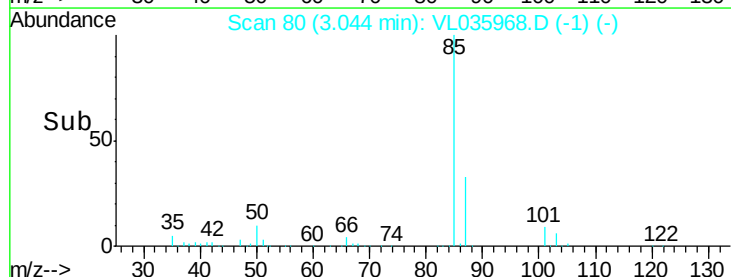
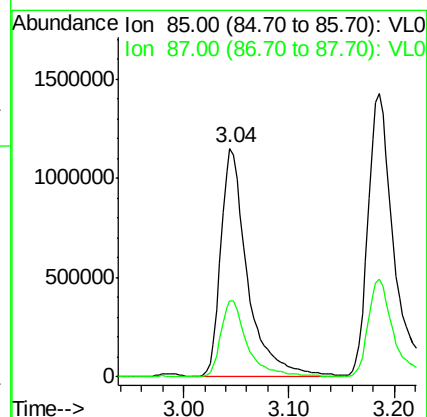
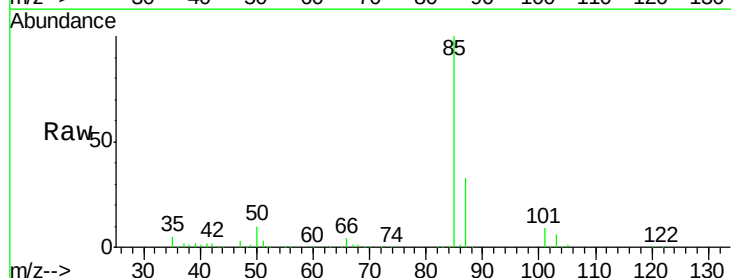
Acq: 17 Nov 2020 8:28

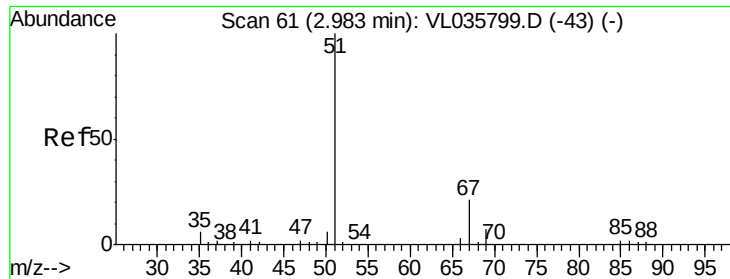
Tgt Ion: 85 Resp: 2022532

Ion Ratio Lower Upper

85 100

87 33.4 27.1 40.7





#3

Chlorodifluoromethane

Concen: 9.600 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1346346

Ion Ratio Lower Upper

51 100

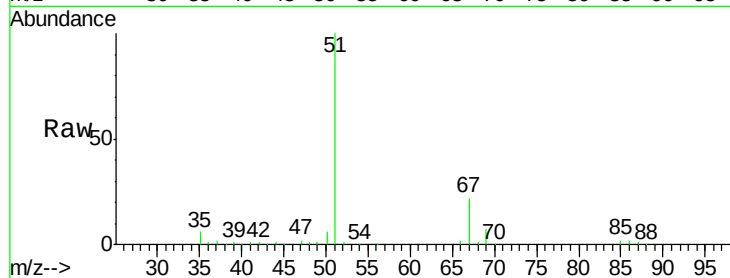
67 21.8 17.0 25.4

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

2.98

800000

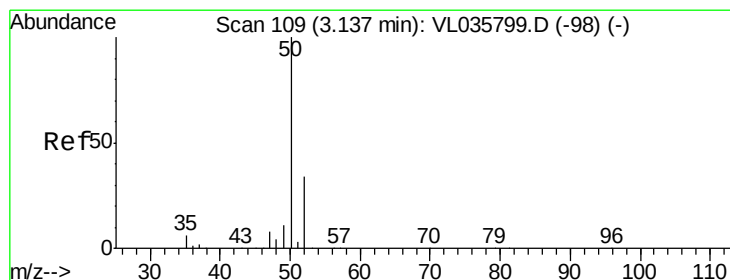
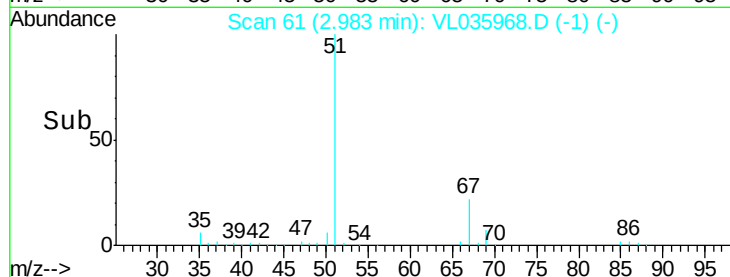
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.869 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035968.D

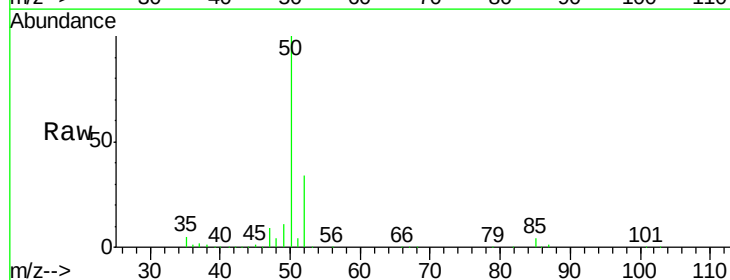
Acq: 17 Nov 2020 8:28

Tgt Ion: 50 Resp: 672423

Ion Ratio Lower Upper

50 100

52 34.3 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

400000

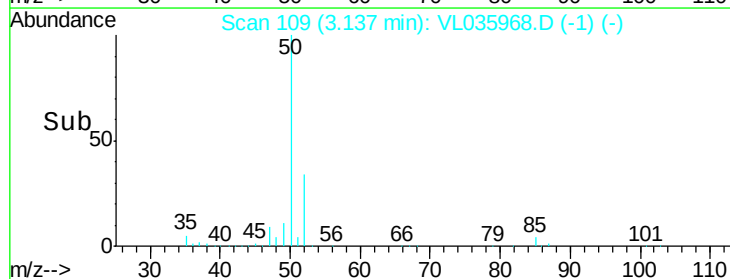
300000

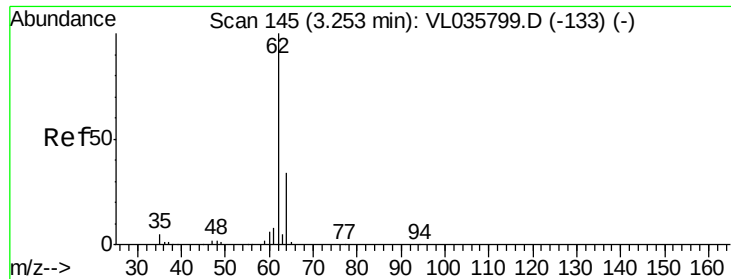
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.894 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 859283

Ion Ratio Lower Upper

62 100

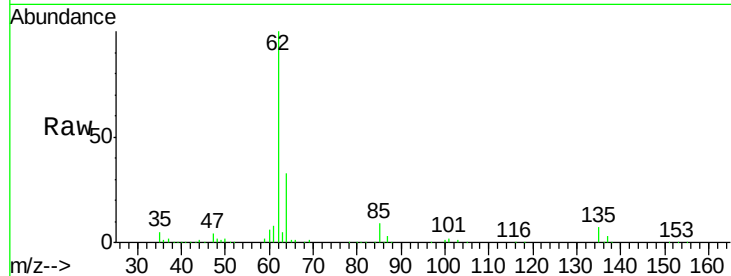
64 32.7 26.9 40.3

Manual Integrations

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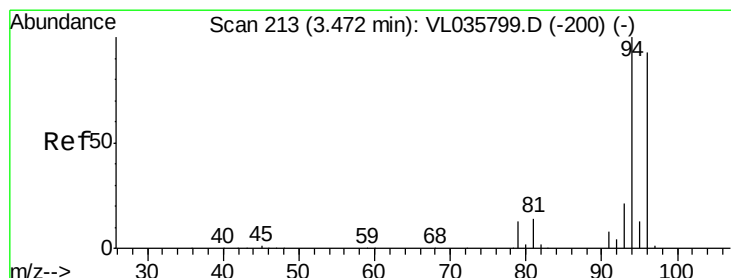
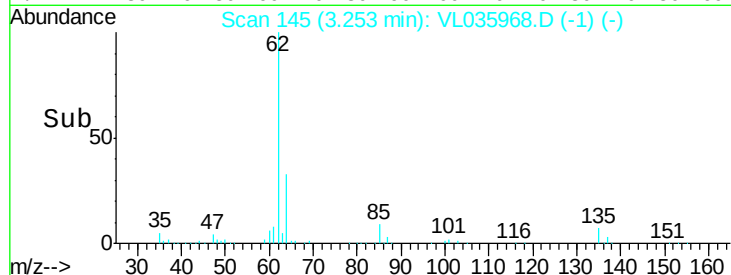
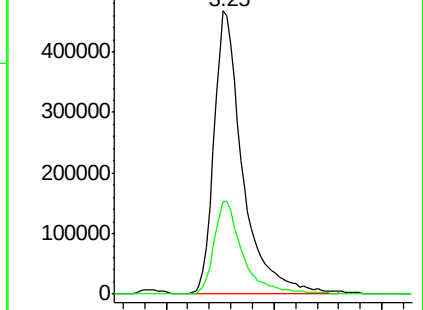
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.157 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL035968.D

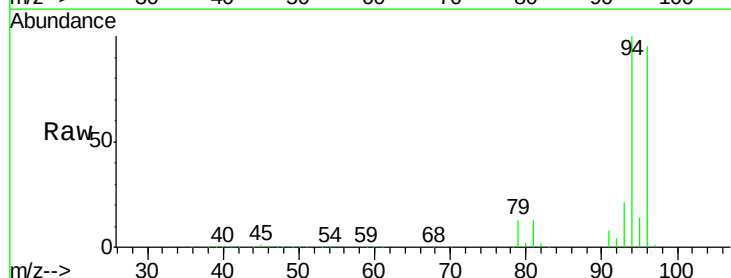
Acq: 17 Nov 2020 8:28

Tgt Ion: 94 Resp: 709485

Ion Ratio Lower Upper

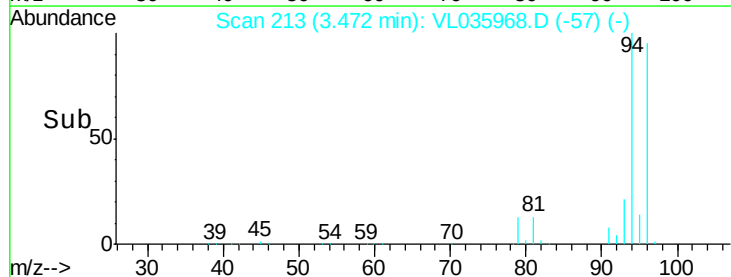
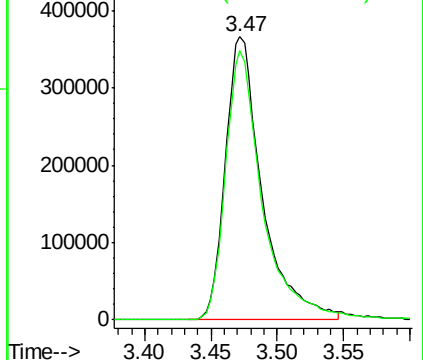
94 100

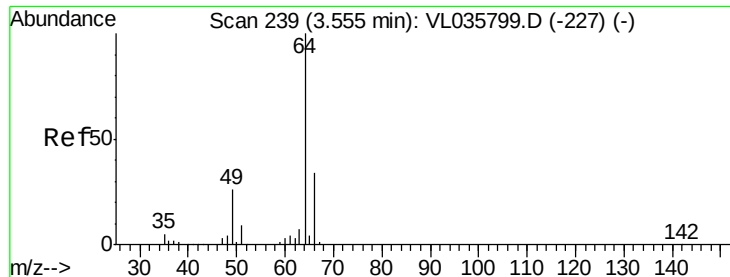
96 95.1 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.344 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

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Tot Ion: 64 Resp: 316197

Ion Ratio Lower Upper

64 100

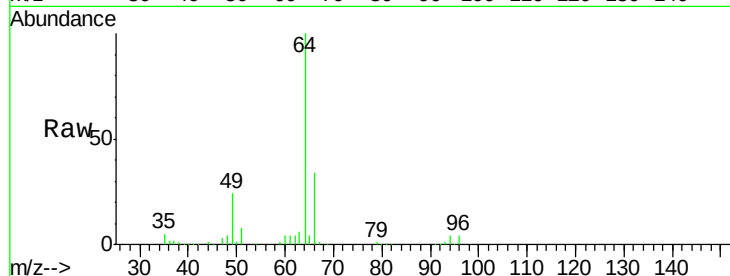
66 34.4 27.0 40.6

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

200000

150000

100000

50000

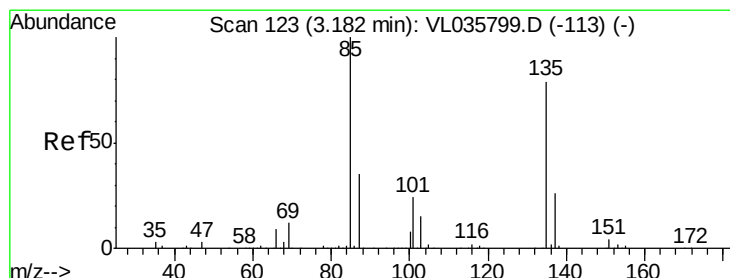
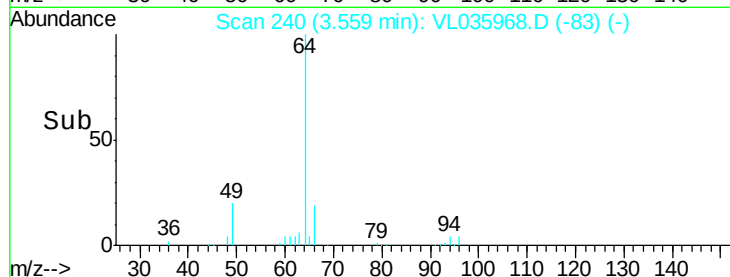
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.908 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035968.D

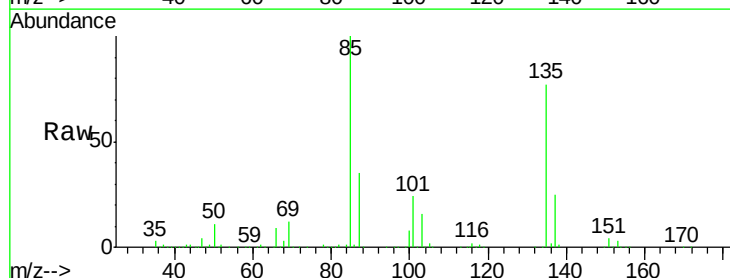
Acq: 17 Nov 2020 8:28

Tgt Ion: 85 Resp: 2500162

Ion Ratio Lower Upper

85 100

135 77.4 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

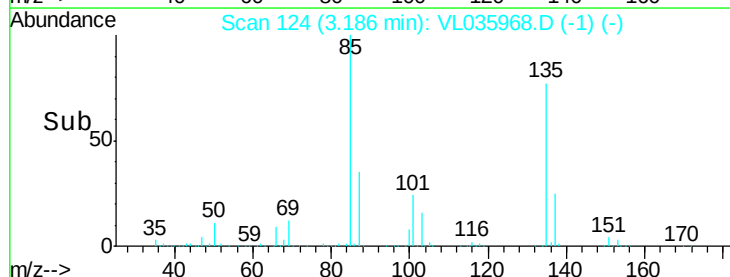
0

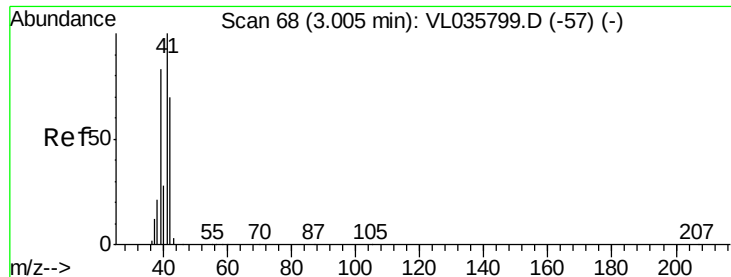
3.10

3.20

3.30

Time-->





#9

Propene

Concen: 9.689 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 497357

Ion Ratio Lower Upper

41 100

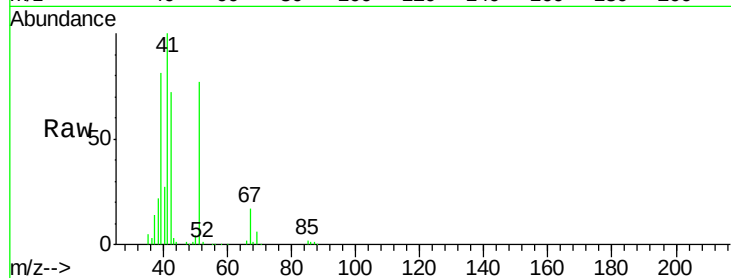
42 71.5 56.2 84.4

Manual Integrations

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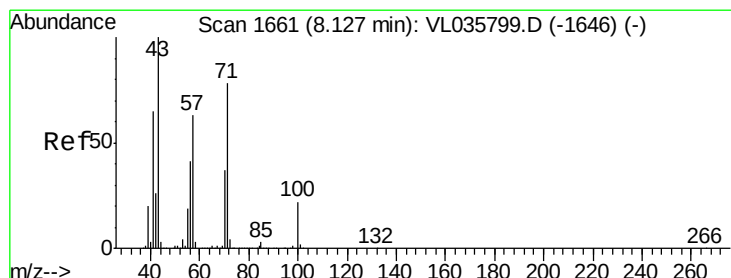
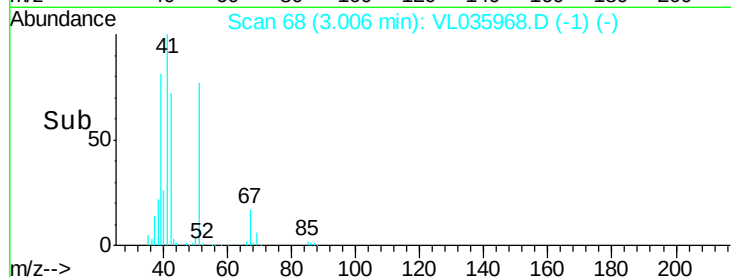
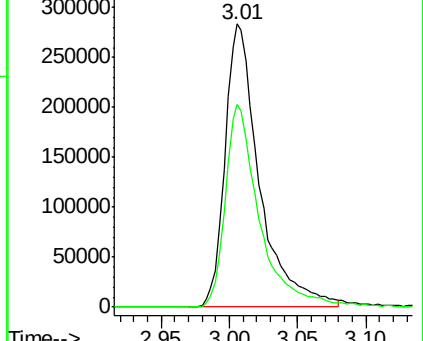
MMDadoda

11/18/2020 9:08:45 AM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.606 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035968.D

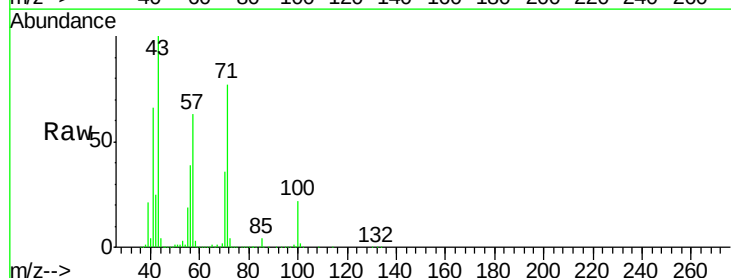
Acq: 17 Nov 2020 8:28

Tgt Ion: 43 Resp: 1503814

Ion Ratio Lower Upper

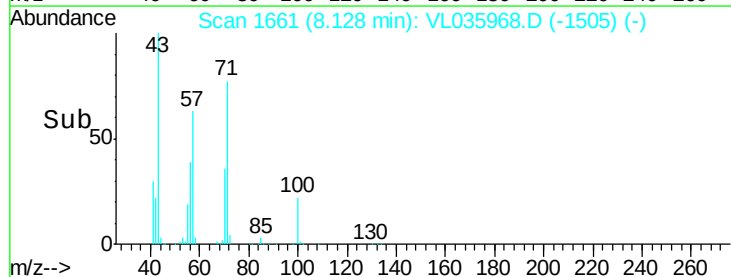
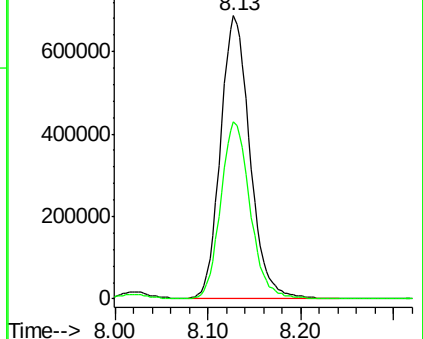
43 100

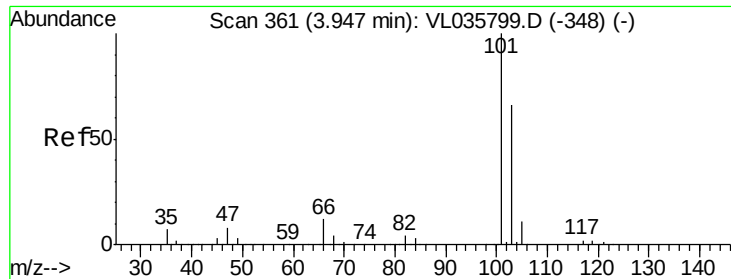
57 63.0 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





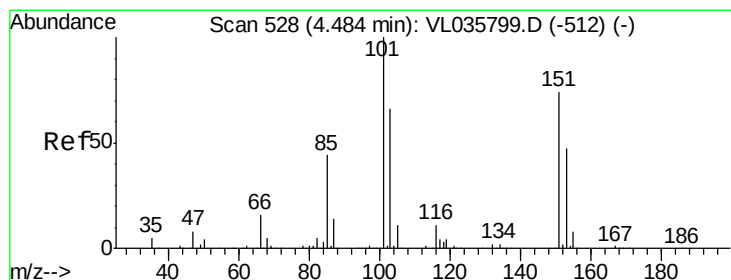
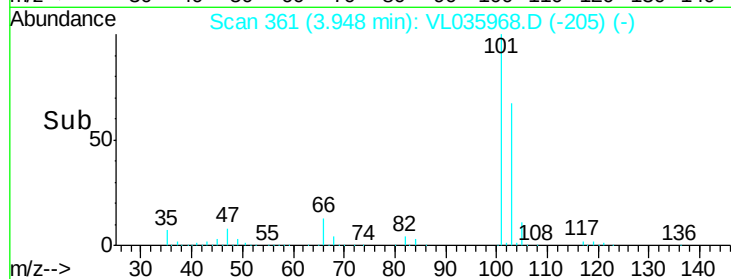
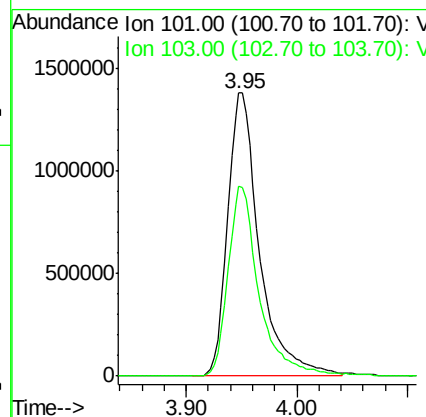
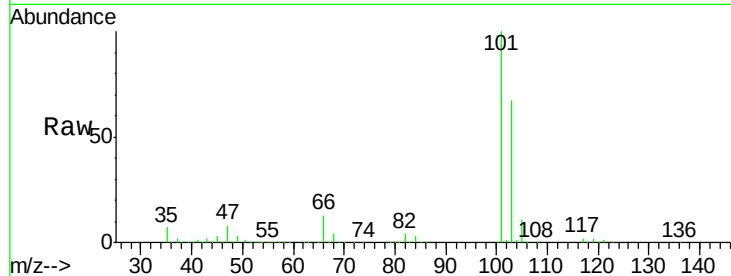
#11
 Trichlorofluoromethane
 Concen: 9.973 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2761252
 Ion Ratio Lower Upper
 101 100
 103 67.1 53.0 79.4

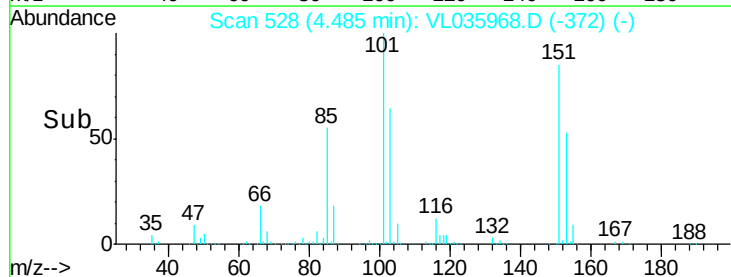
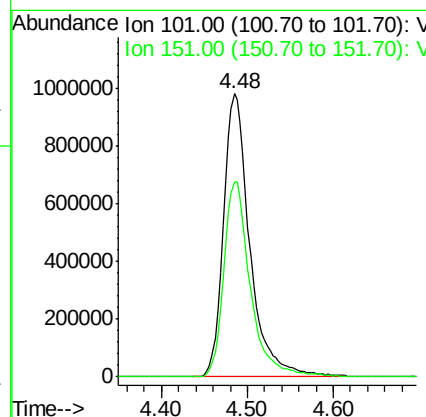
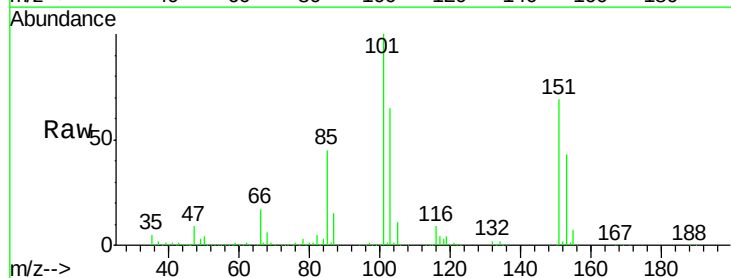
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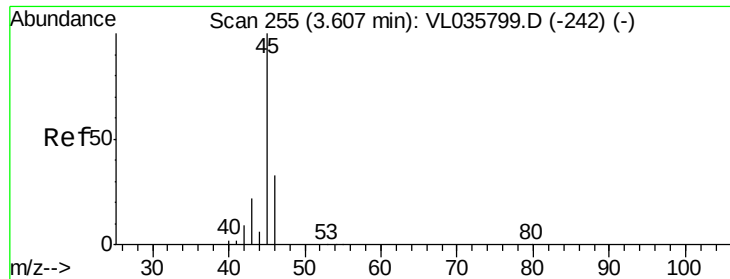
MMDadoda
 11/18/2020 9:08:45 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.191 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Tgt Ion:101 Resp: 2100821
 Ion Ratio Lower Upper
 101 100
 151 69.7 58.9 88.3





#13

Ethanol

Concen: 8.837 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 98411

Ion Ratio Lower Upper

45 100

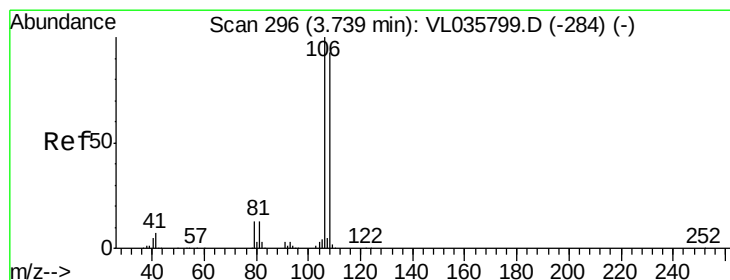
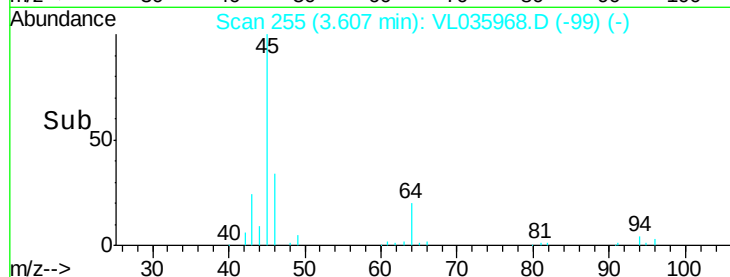
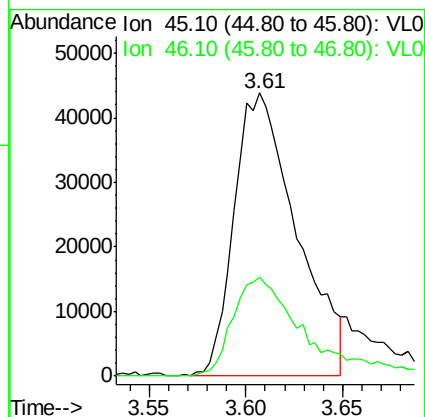
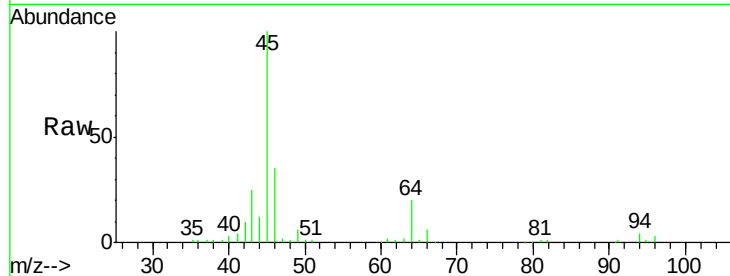
46 42.3 16.1 64.5

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#14

Bromoethene

Concen: 9.909 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

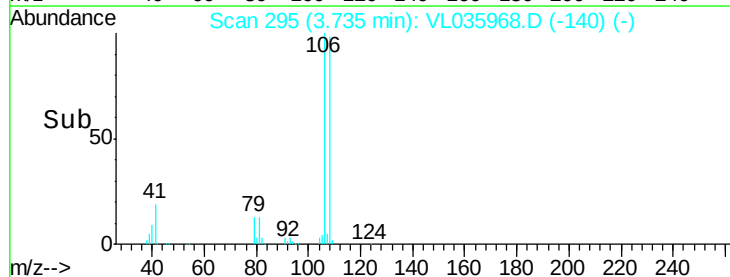
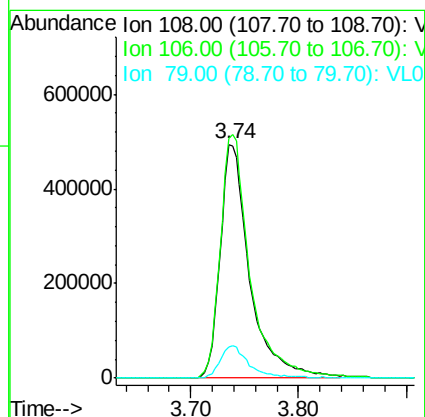
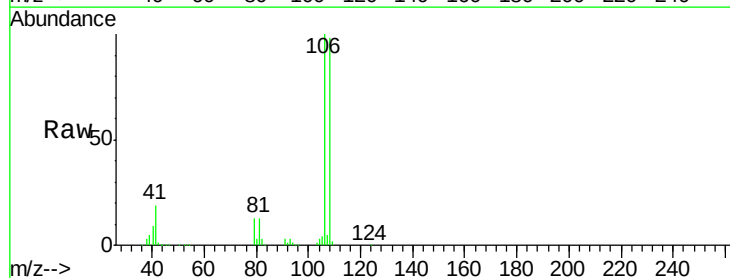
Tgt Ion: 108 Resp: 940079

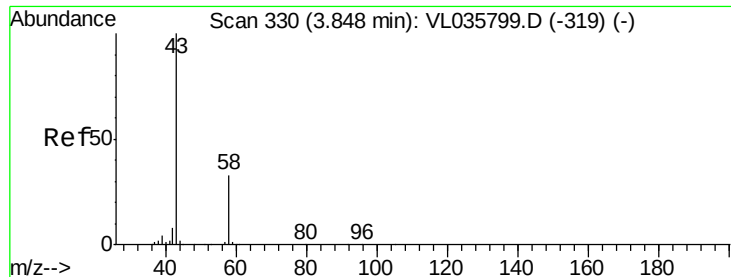
Ion Ratio Lower Upper

108 100

106 105.6 85.3 127.9

79 14.0 11.6 17.4





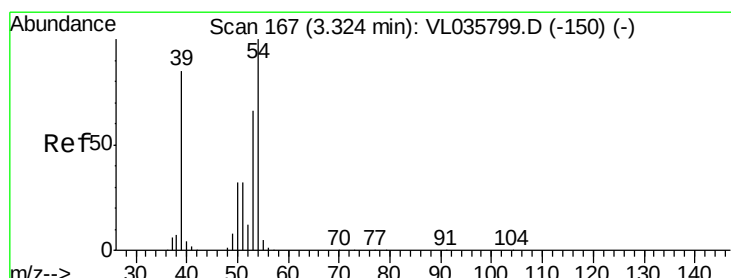
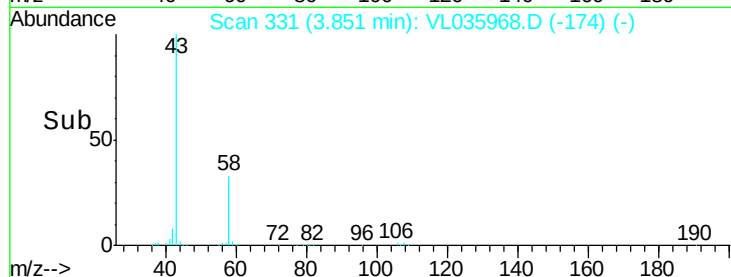
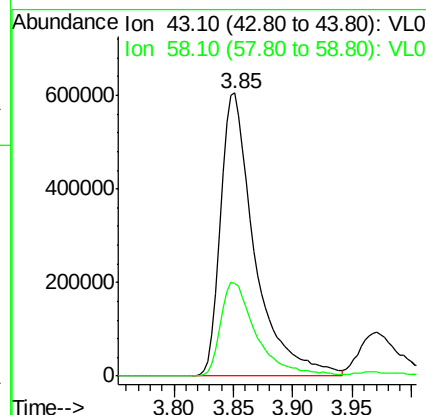
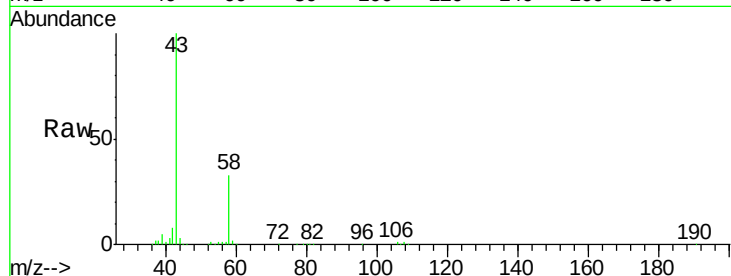
#15
Acetone
Concen: 9.646 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1207782
Ion Ratio Lower Upper
43 100
58 34.5 27.5 41.3

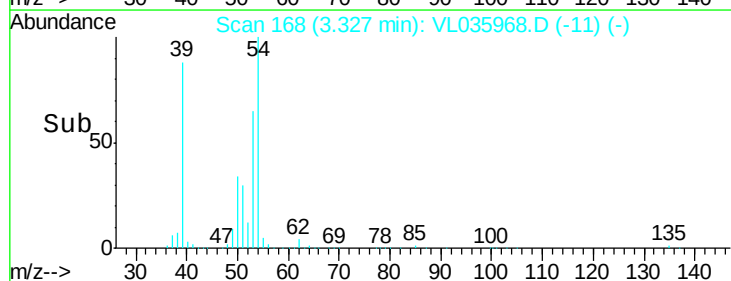
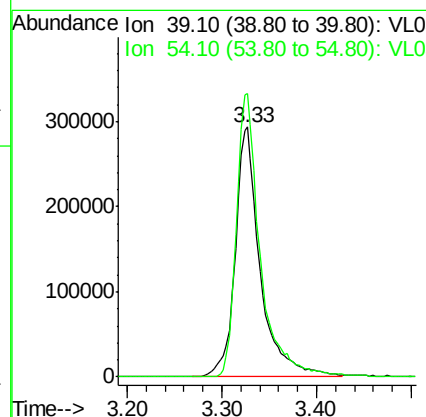
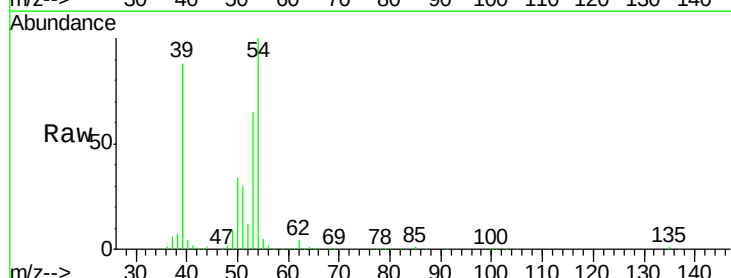
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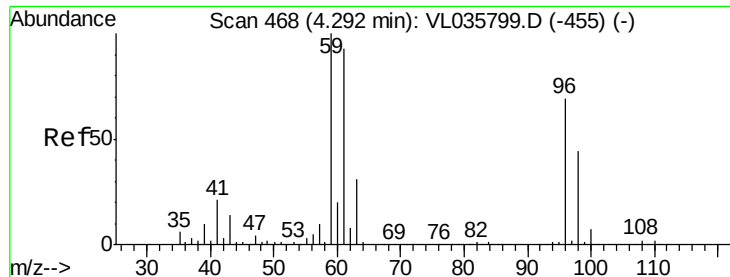
MMDadoda
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#16
1,3-Butadiene
Concen: 10.039 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion: 39 Resp: 541181
Ion Ratio Lower Upper
39 100
54 109.0 87.1 130.7





#17

tert-Butyl alcohol

Concen: 10.624 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 59 Resp: 1762938

Ion Ratio Lower Upper

59 100

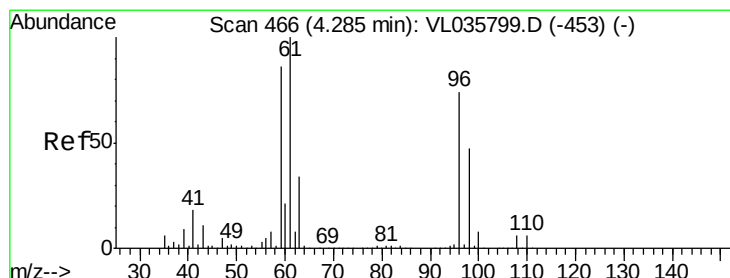
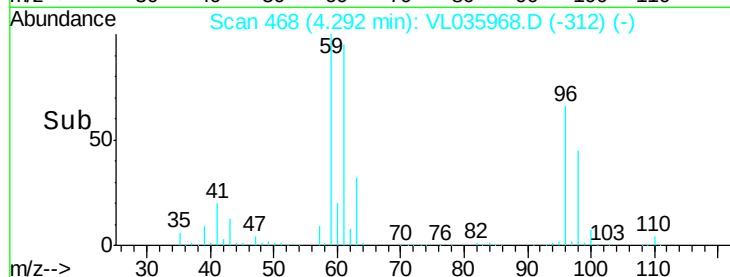
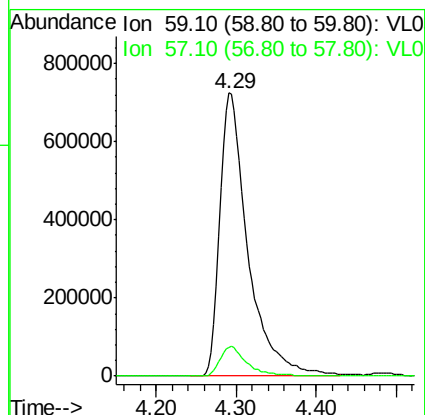
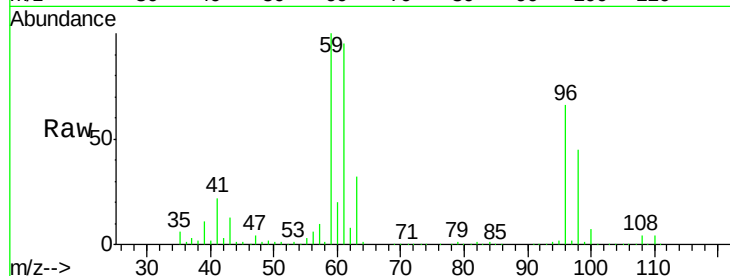
57 10.2 8.2 12.4

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#18

1,1-Dichloroethene

Concen: 10.407 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

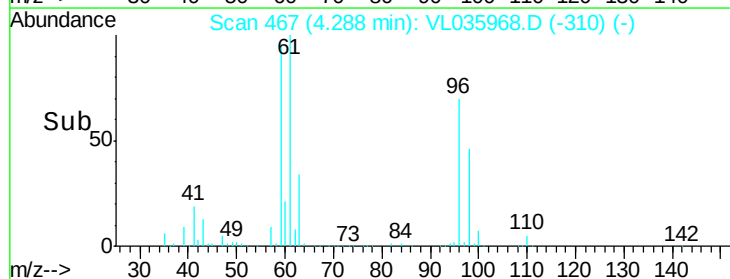
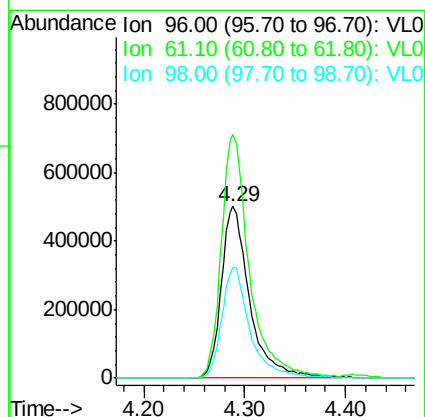
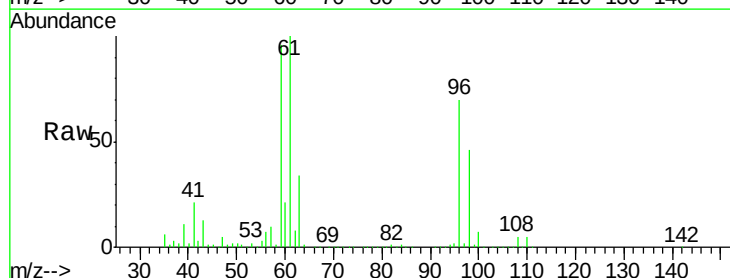
Tgt Ion: 96 Resp: 984937

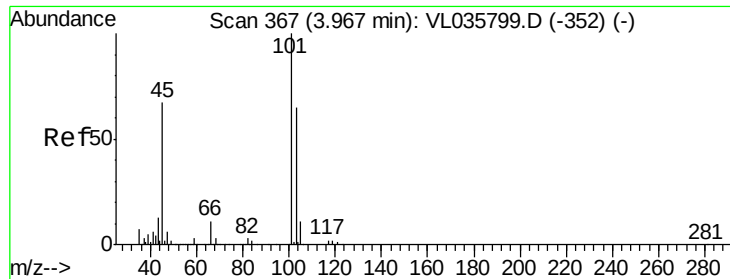
Ion Ratio Lower Upper

96 100

61 142.0 108.5 162.7

98 64.8 50.7 76.1





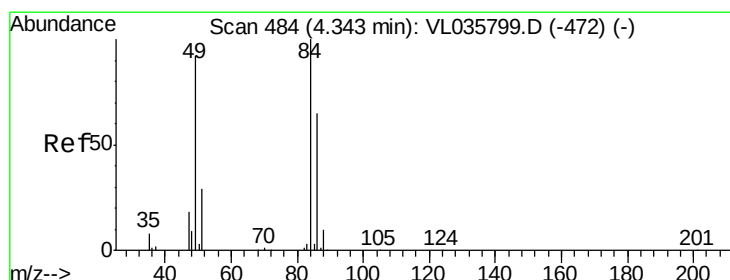
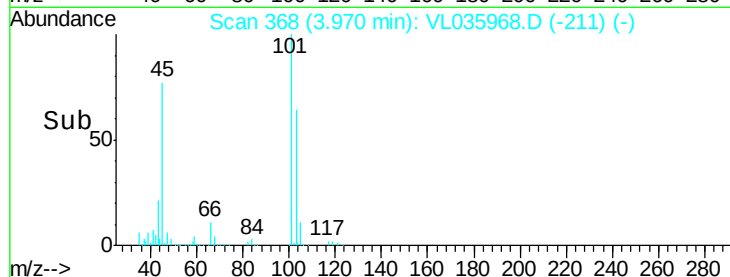
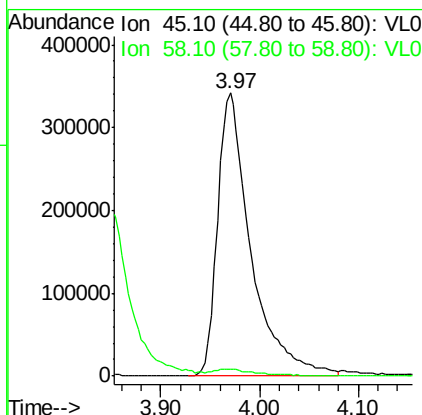
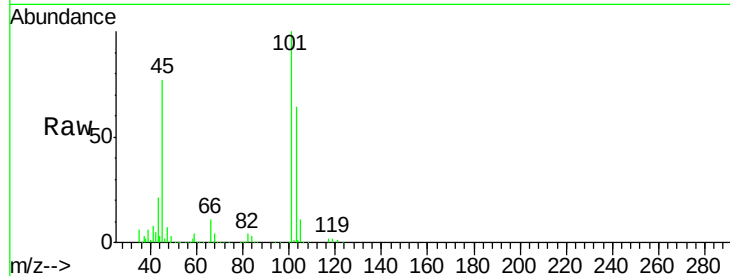
#19
Isopropyl Alcohol
Concen: 10.488 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.2	2.6	3.8

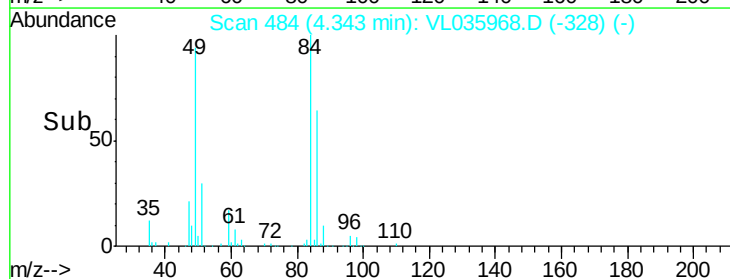
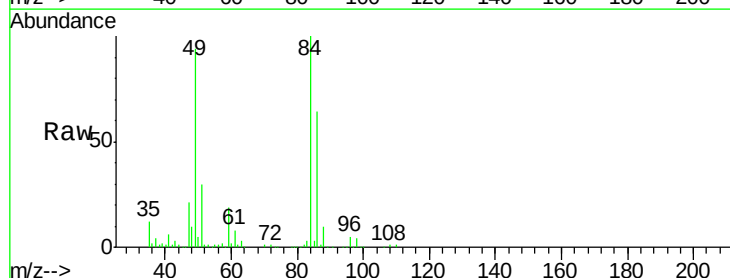
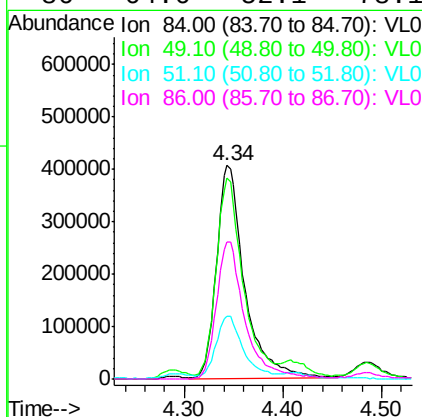
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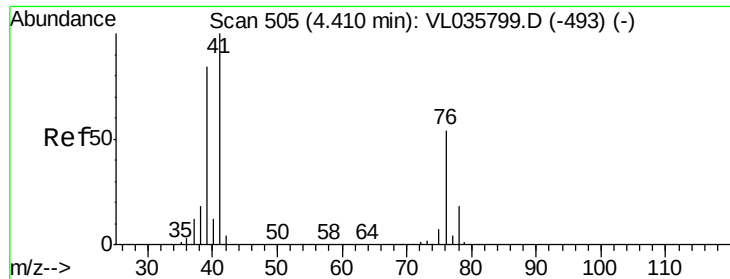
MMDadoda
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#20
Methylene Chloride
Concen: 9.234 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	92.7	73.8	110.8
51	29.2	23.0	34.4
86	64.6	52.1	78.1





#21

Allvl Chloride

Concen: 10.335 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

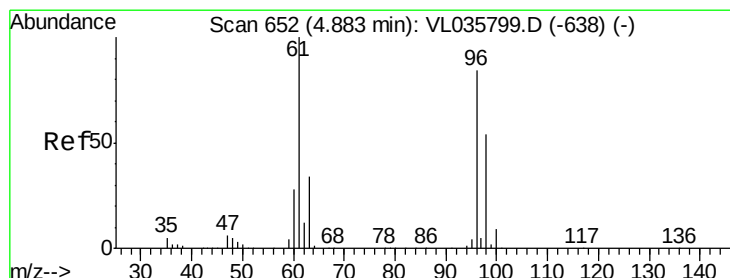
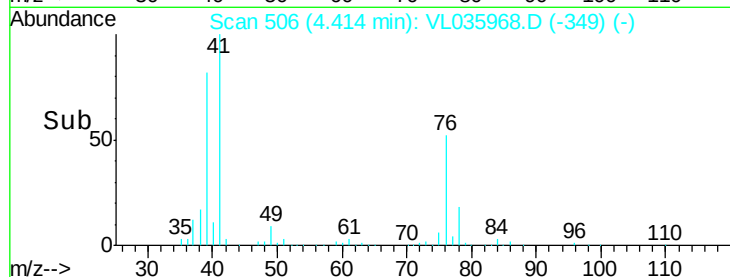
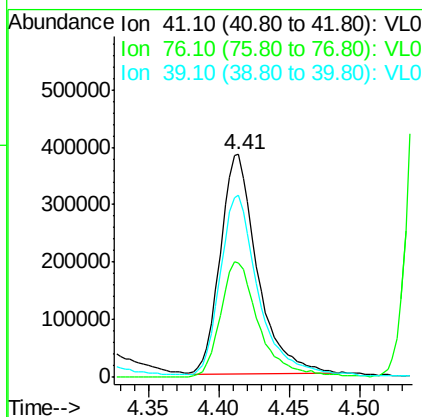
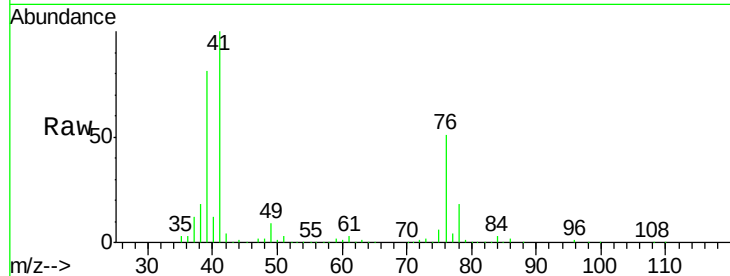
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	699795
Ion Ratio	Lower	Upper	
41	100		
76	55.0	42.6	63.8
39	86.4	67.0	100.4

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#22

trans-1,2-Dichloroethene

Concen: 10.250 ppbv

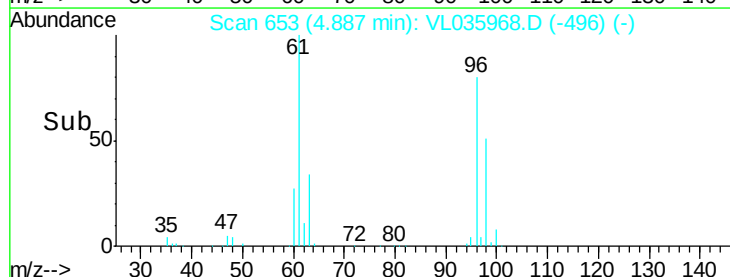
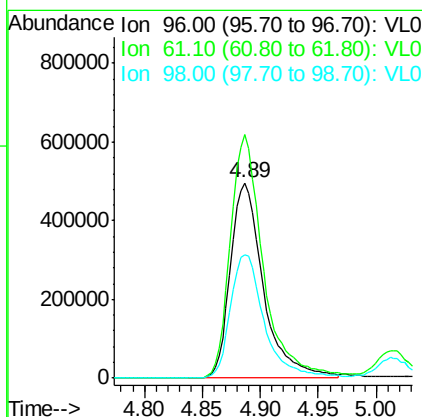
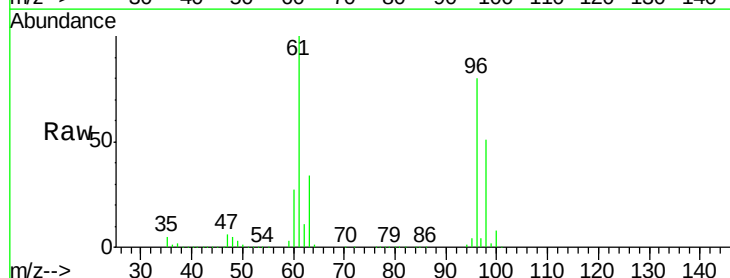
RT: 4.89 min Scan# 653

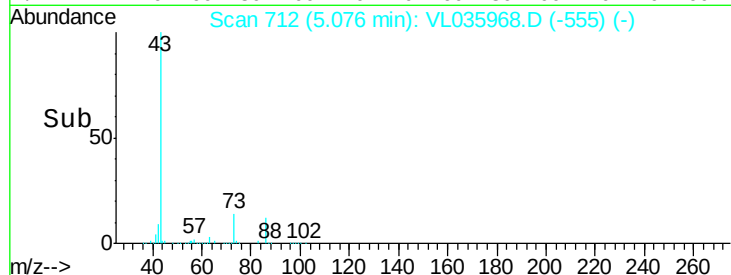
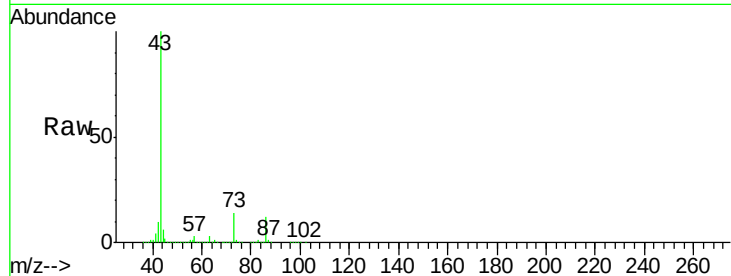
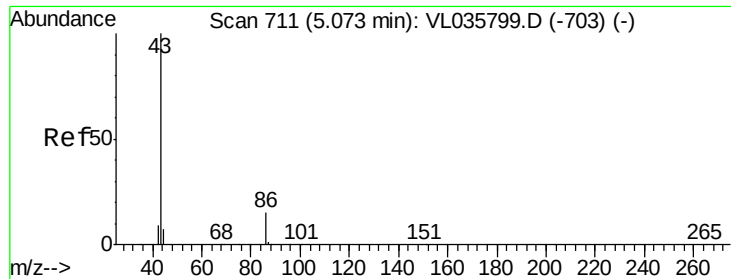
Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Tgt Ion:	96	Resp:	983468
Ion Ratio	Lower	Upper	
96	100		
61	124.6	95.4	143.0
98	63.2	51.8	77.6





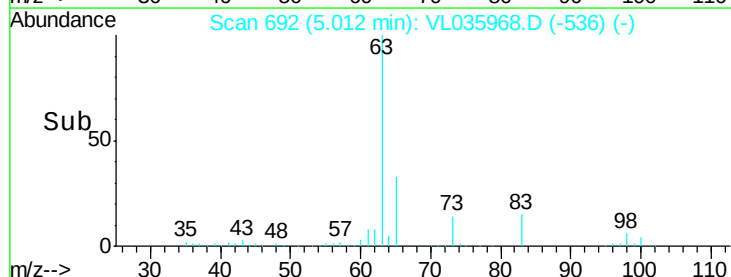
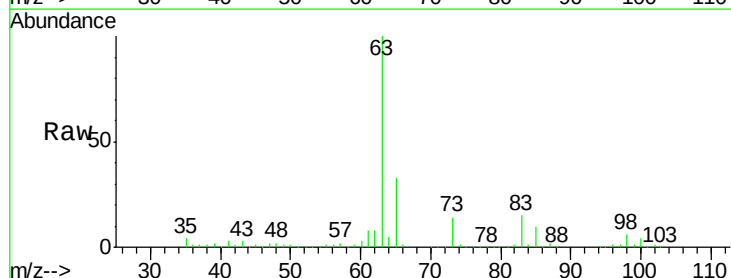
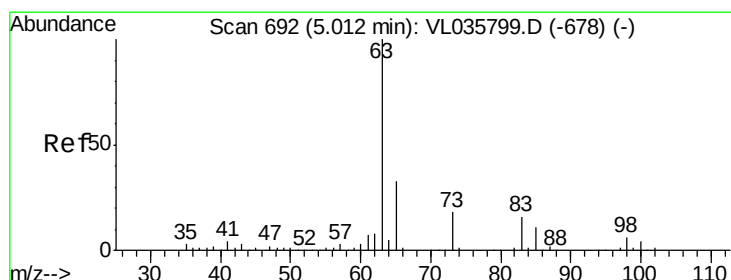
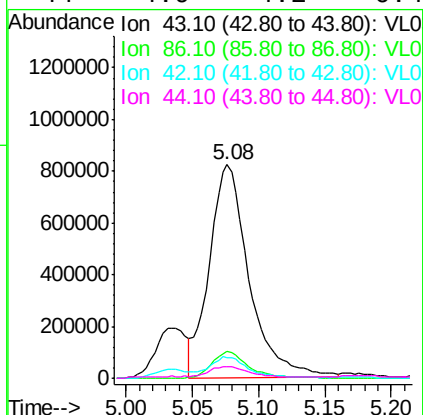
#23
 Vinyl Acetate
 Concen: 9.812 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Tot Ion	43	Resp	1722120
Ion	Ratio	Lower	Upper
43	100		
86	12.4	9.8	14.6
42	9.4	8.1	12.1
44	4.9	4.2	6.4

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

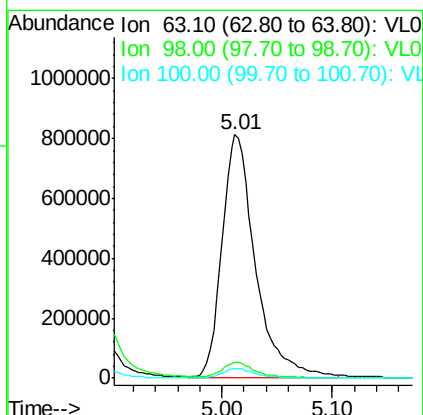
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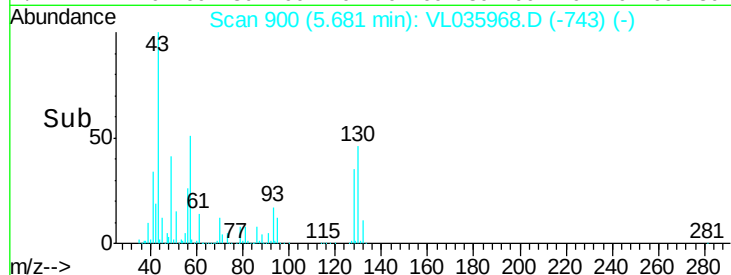
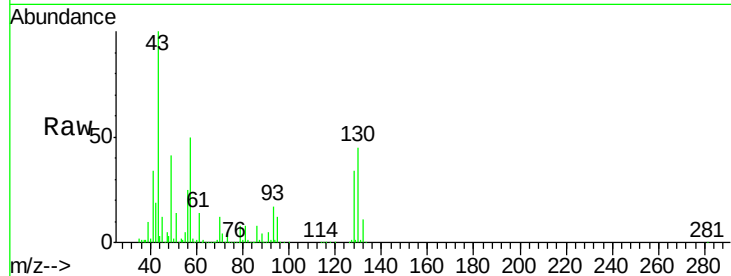
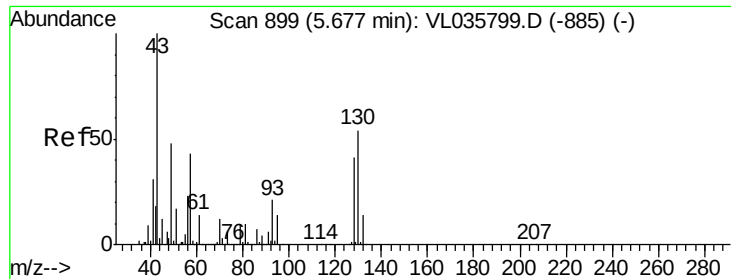
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#24
 1,1-Dichloroethane
 Concen: 10.107 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

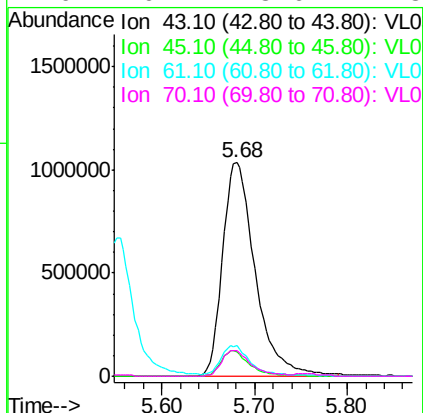
Tgt Ion	63	Resp	1690034
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.8	1.8	5.4





#25
Ethyl Acetate
Concen: 10.221 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

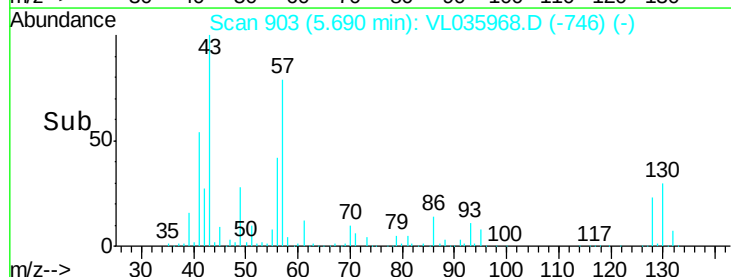
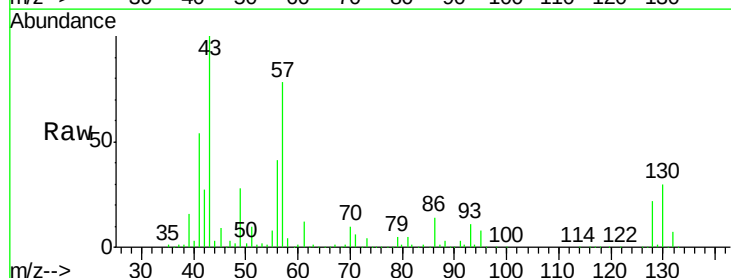
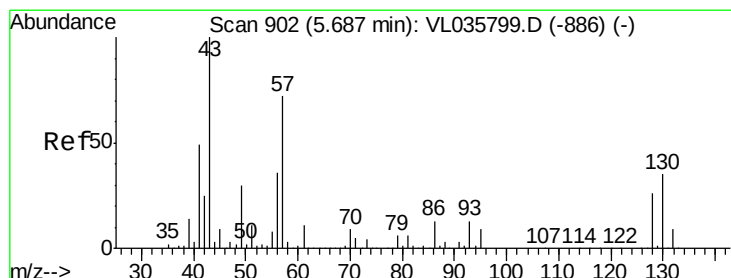
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.8	8.5	12.7	
61	13.6	10.7	16.1	
70	10.7	8.6	12.8	



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

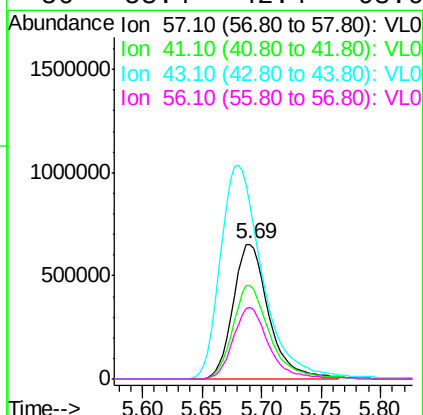
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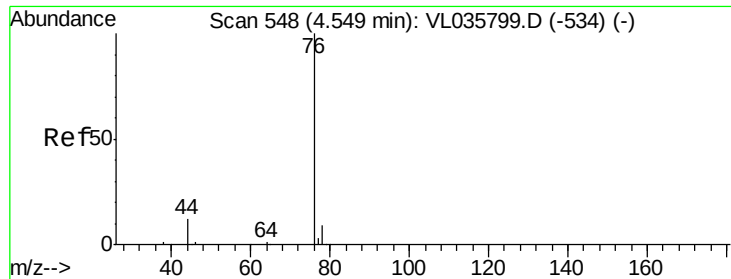
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#26
Hexane
Concen: 9.989 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	72.8	58.9	88.3	
43	187.0	150.2	225.2	
56	53.4	42.4	63.6	





#27

Carbon Disulfide

Concen: 10.439 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 2127764

Ion Ratio Lower Upper

76 100

44 12.0 9.9 14.9

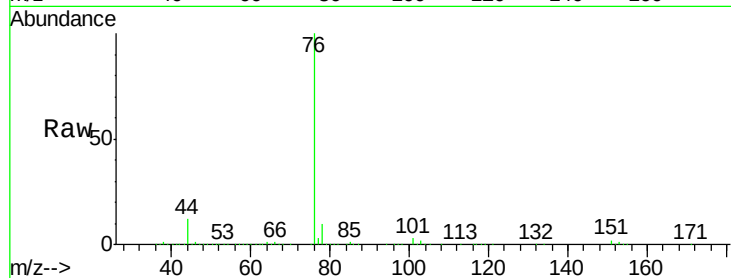
78 9.9 8.1 12.1

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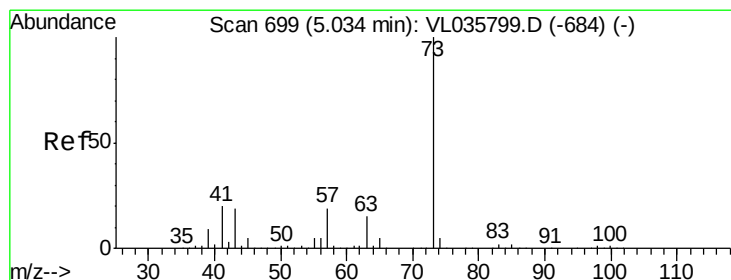
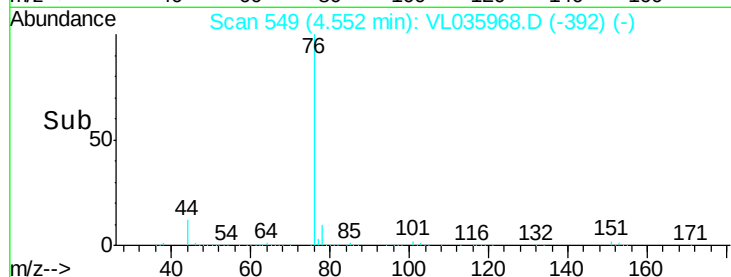
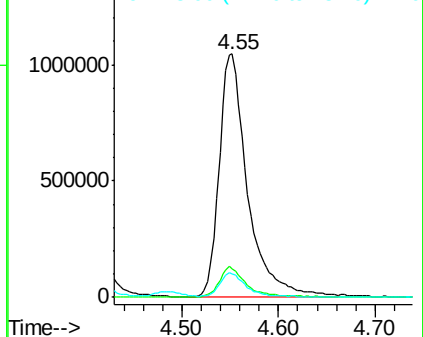
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.665 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL035968.D

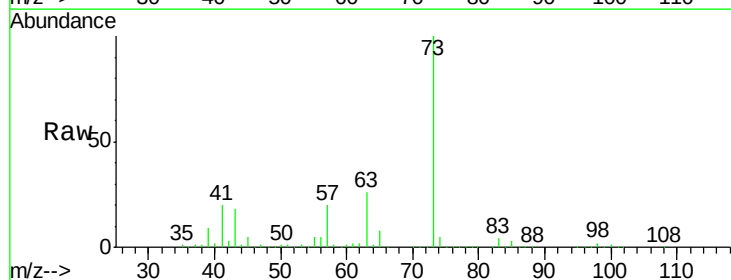
Acq: 17 Nov 2020 8:28

Tgt Ion: 73 Resp: 2361011

Ion Ratio Lower Upper

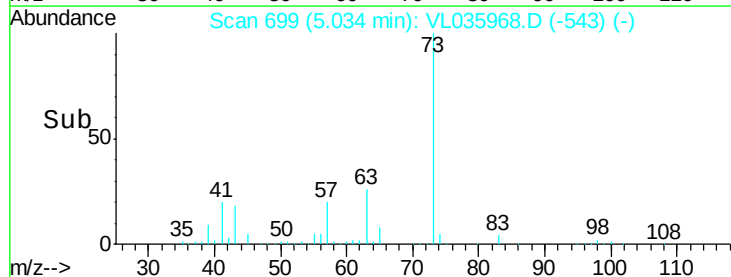
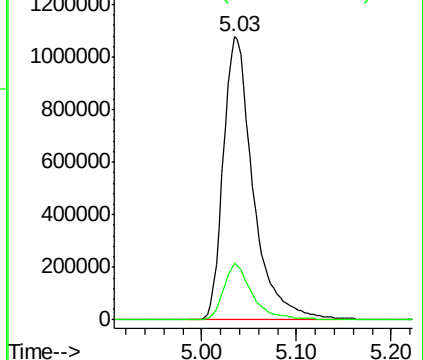
73 100

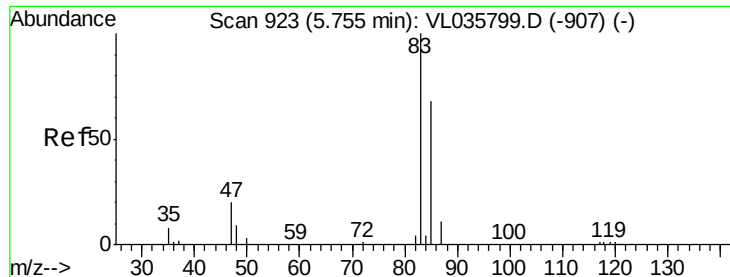
57 19.3 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





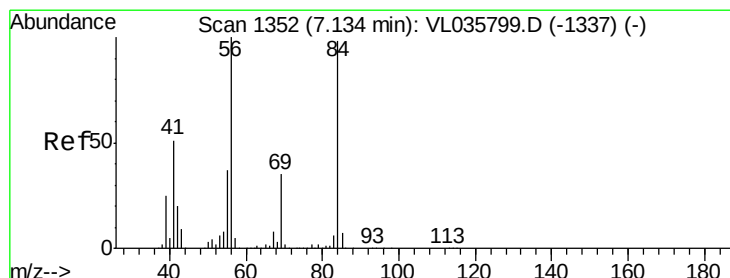
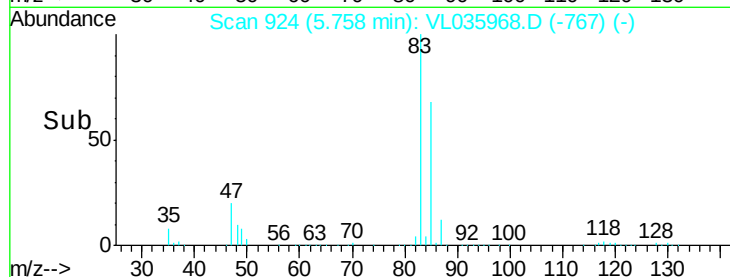
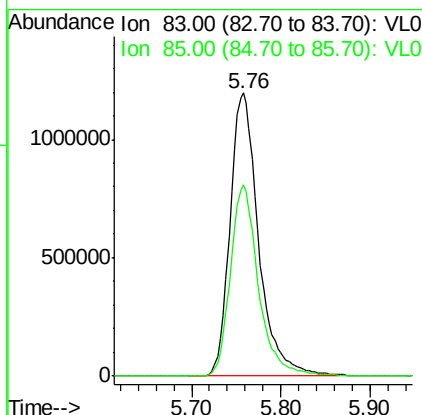
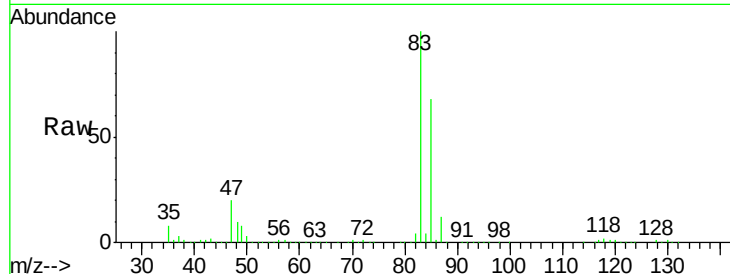
#29
Chloroform
Concen: 9.925 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2653580
Ion Ratio Lower Upper
83 100
85 67.3 54.6 81.8

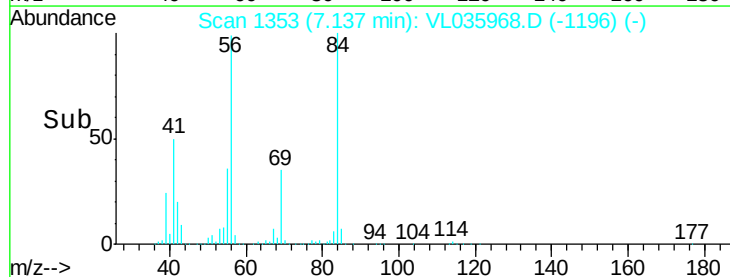
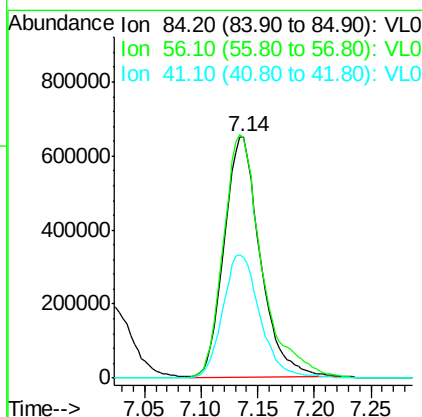
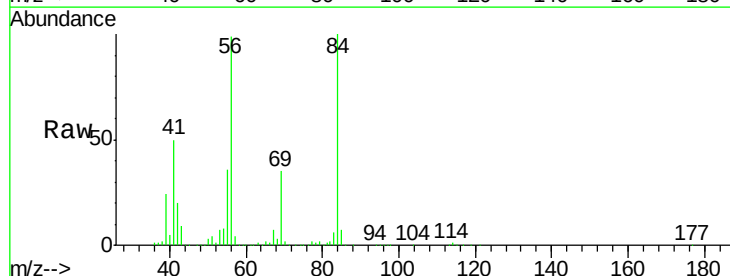
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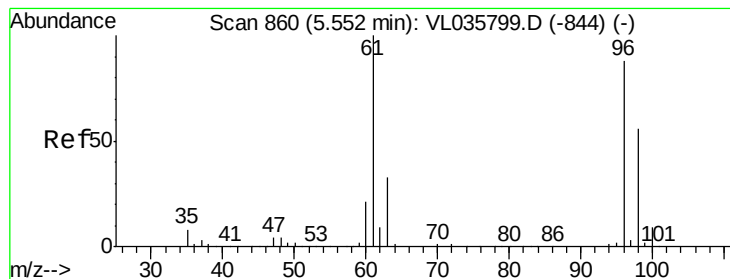
MMDadoda
11/18/2020 9:08:45 AM



#30
Cyclohexane
Concen: 9.724 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion: 84 Resp: 1440740
Ion Ratio Lower Upper
84 100
56 108.6 86.4 129.6
41 53.5 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 10.170 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 61 Resp: 1423233

Ion Ratio Lower Upper

61 100

96 87.0 70.3 105.5

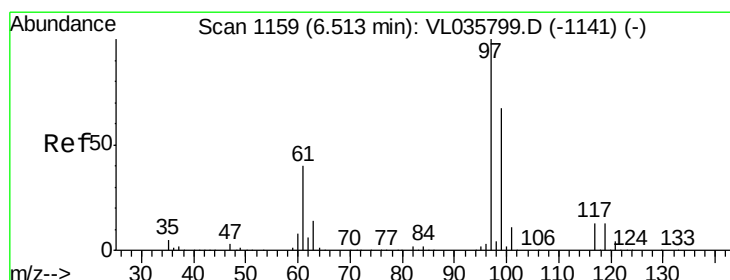
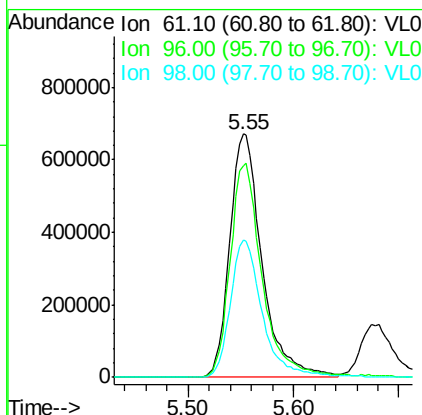
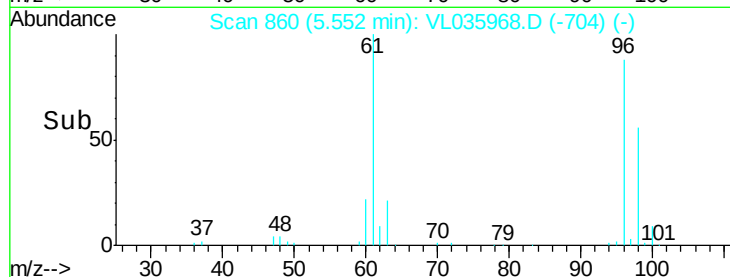
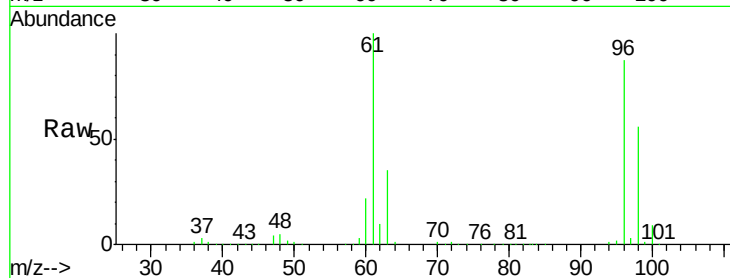
98 56.5 45.0 67.6

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#32

1,1,1-Trichloroethane

Concen: 9.224 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

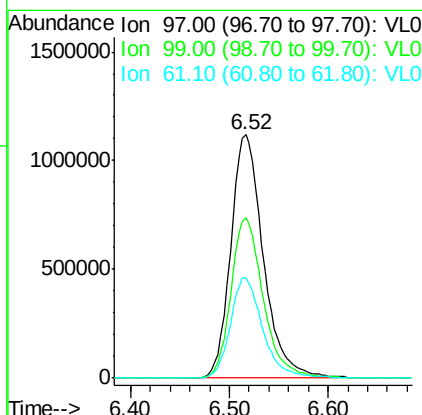
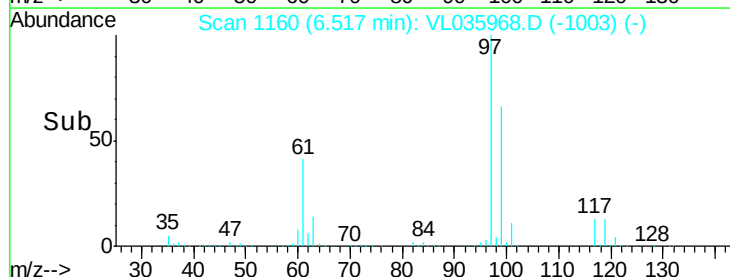
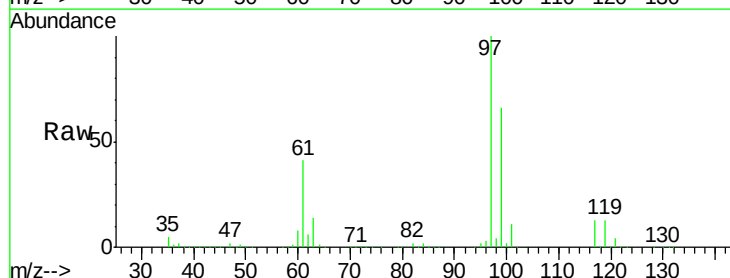
Tgt Ion: 97 Resp: 2573428

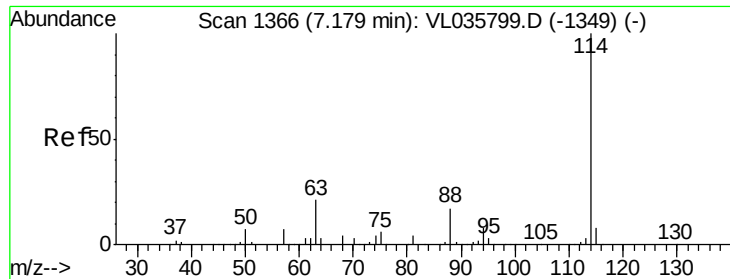
Ion Ratio Lower Upper

97 100

99 65.6 52.3 78.5

61 41.0 32.0 48.0





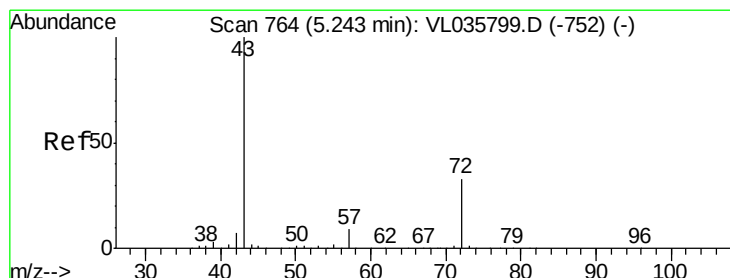
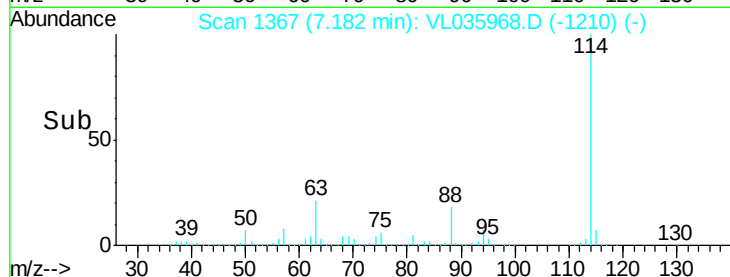
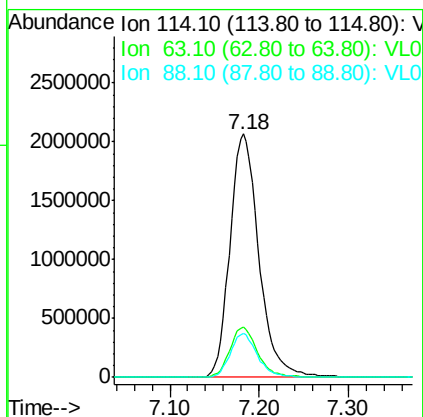
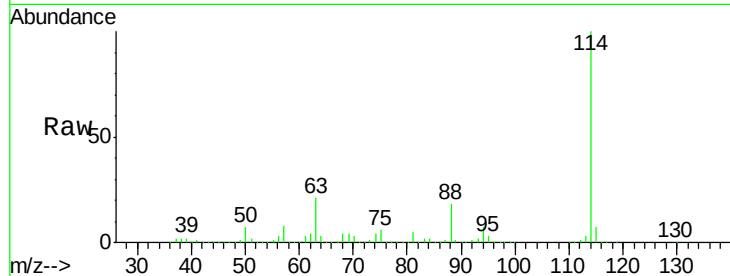
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4652336
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.1 24.1
 88 17.2 13.7 20.5

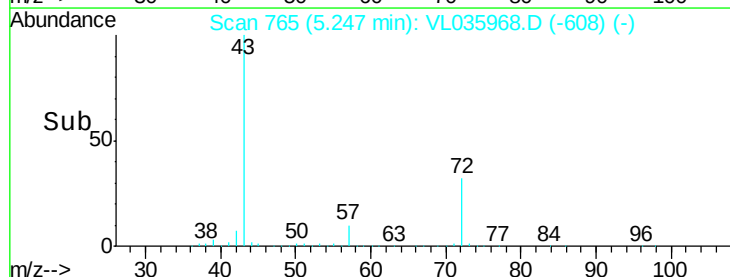
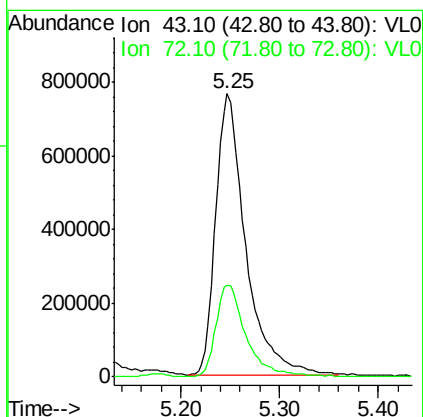
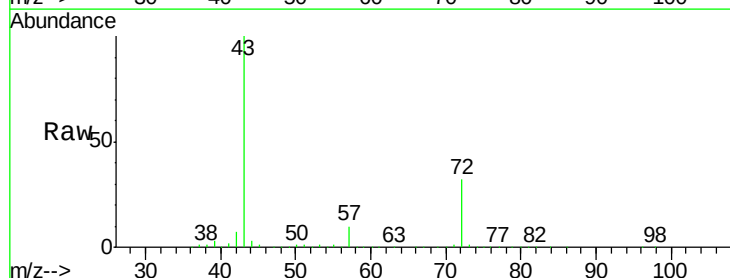
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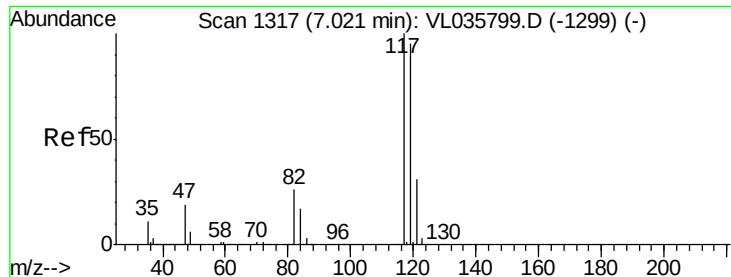
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#34
 2-Butanone
 Concen: 10.795 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Tgt Ion: 43 Resp: 1629936
 Ion Ratio Lower Upper
 43 100
 72 33.2 26.5 39.7





#35

Carbon Tetrachloride

Concen: 10.222 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2541028

Ion Ratio Lower Upper

117 100

119 94.6 75.6 113.4

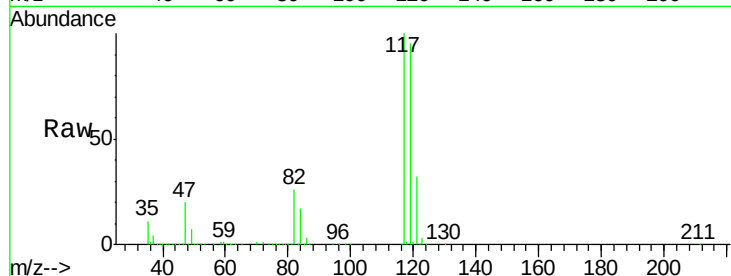
121 31.7 25.1 37.7

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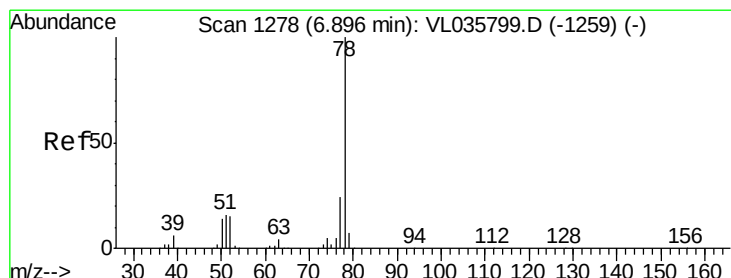
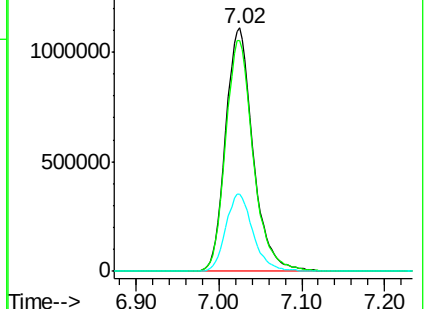
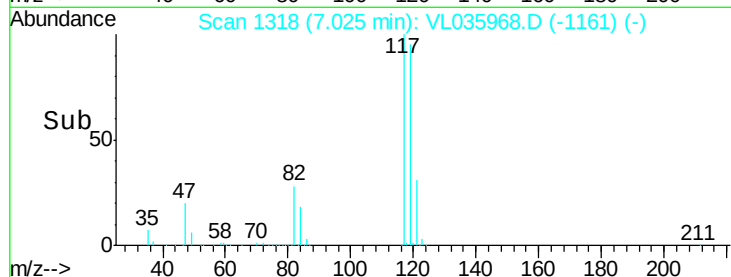
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.928 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

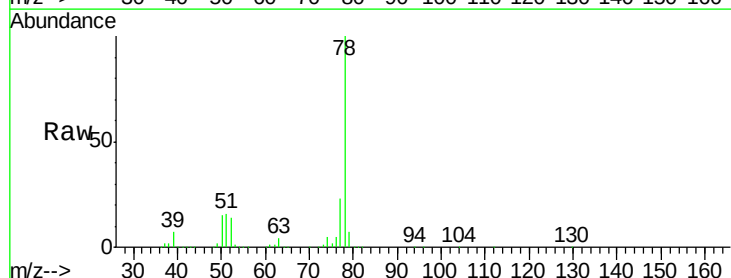
Tgt Ion: 78 Resp: 3433847

Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9

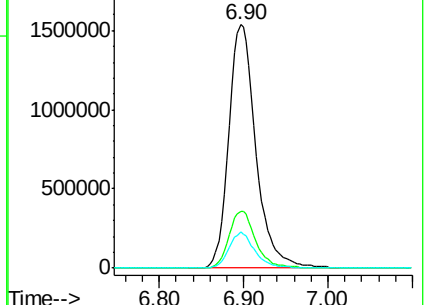
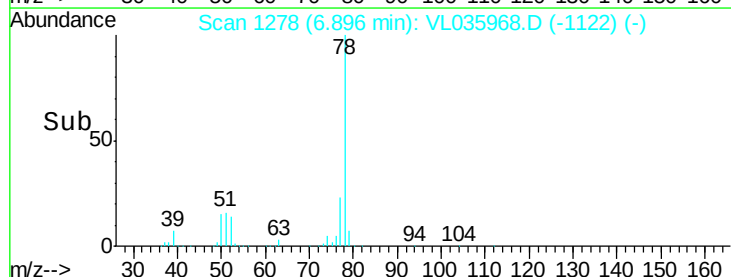
50 14.7 11.4 17.2

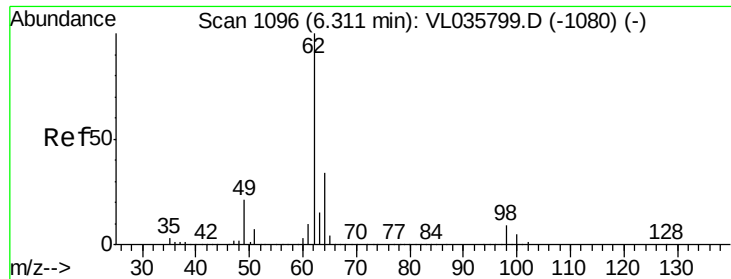


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





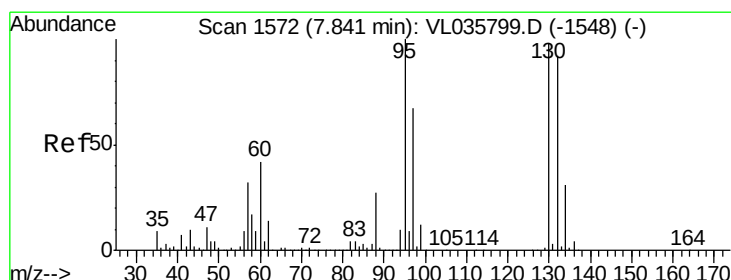
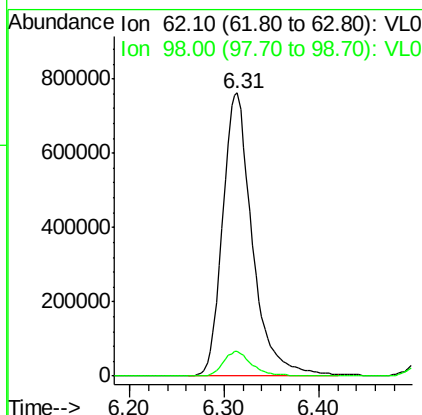
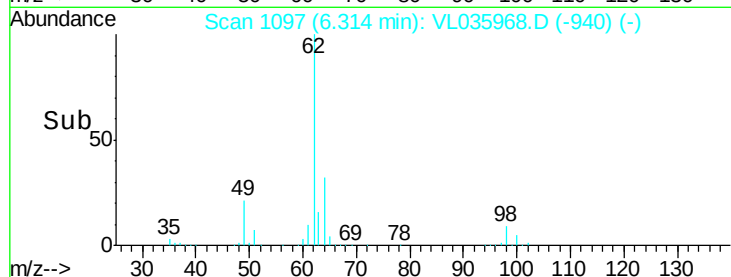
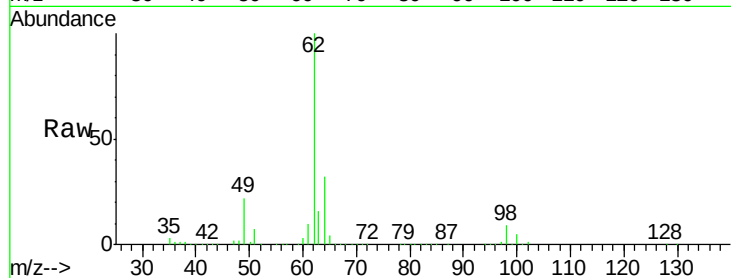
#37
1,2-Dichloroethane
Concen: 10.619 ppbv
RT: 6.31 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1663845
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3

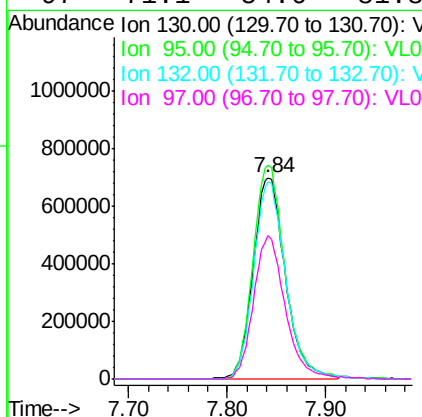
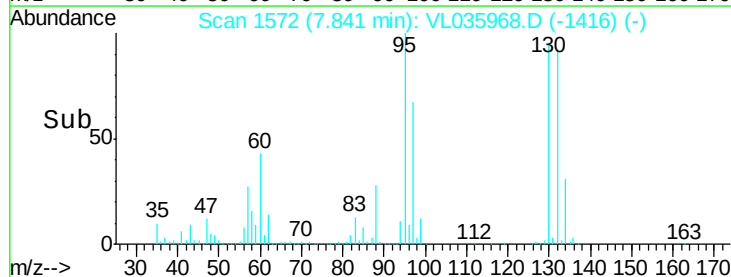
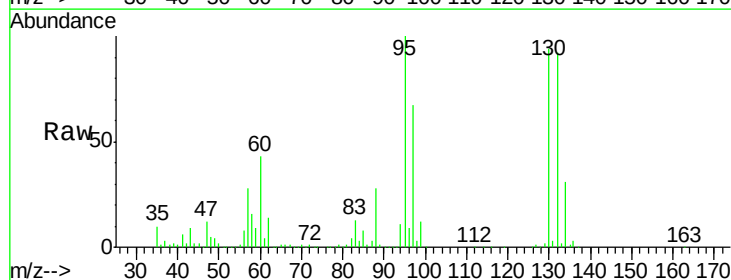
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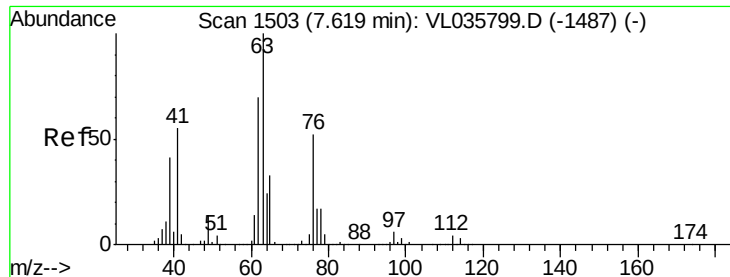
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#38
Trichloroethene
Concen: 9.321 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion:130 Resp: 1574616
Ion Ratio Lower Upper
130 100
95 106.3 81.6 122.4
132 98.2 75.1 112.7
97 71.1 54.6 81.8





#39

1,2-Dichloropropane

Concen: 10.206 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1188412

Ion Ratio Lower Upper

63 100

41 52.7 43.8 65.6

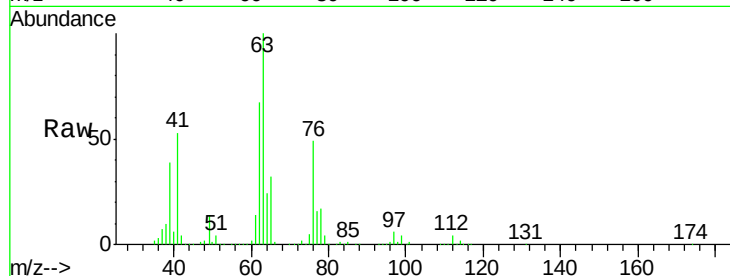
62 66.8 56.2 84.2

Manual Integrations

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MMDadoda

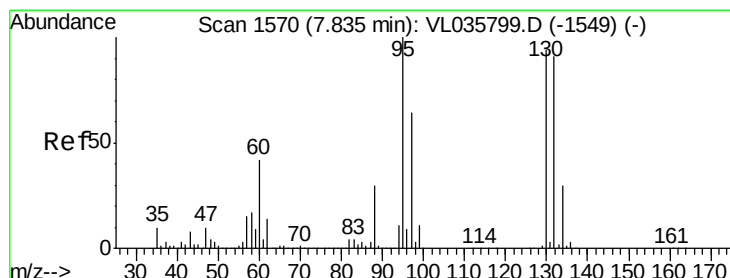
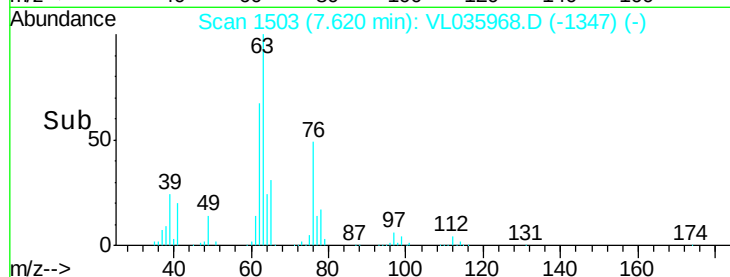
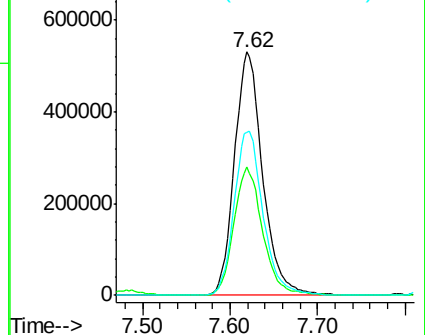
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.361 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Tgt Ion: 88 Resp: 571830

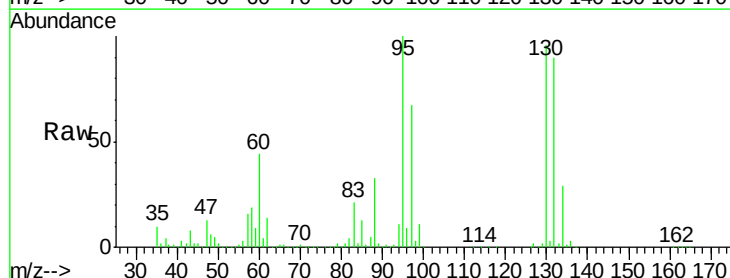
Ion Ratio Lower Upper

88 100

58 42.5 76.2 114.2#

43 0.0 123.1 184.7#

57 0.0 661.0 991.4#

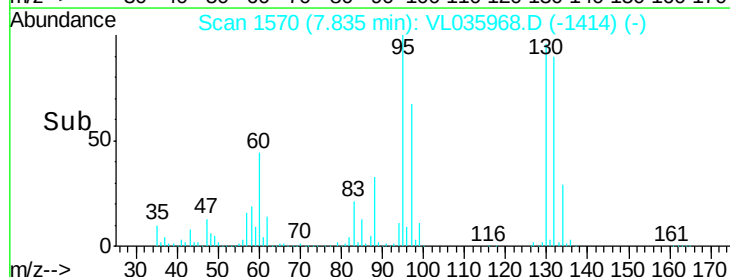
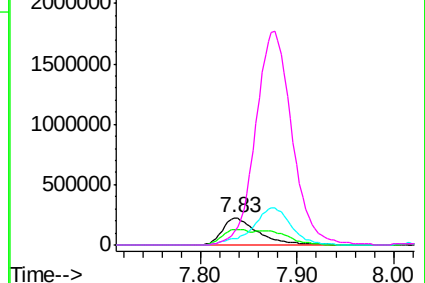


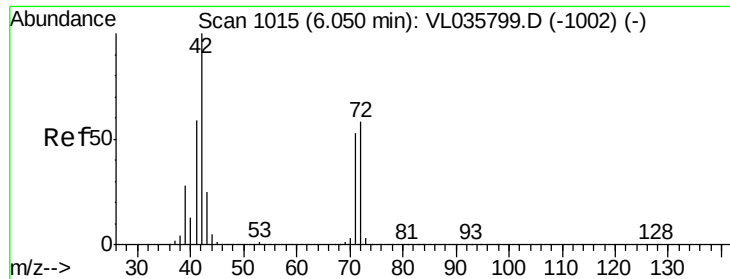
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.943 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

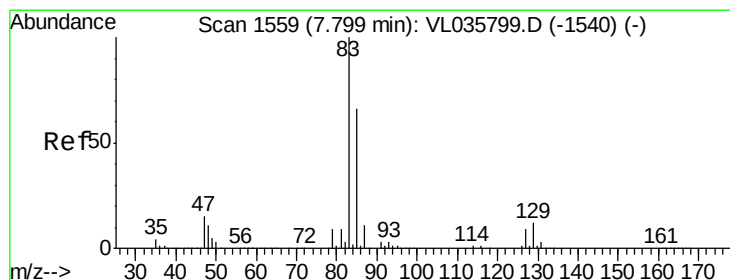
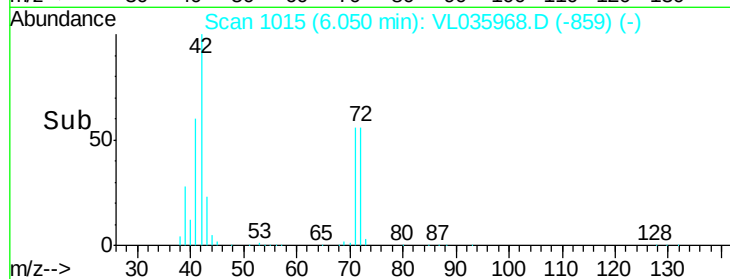
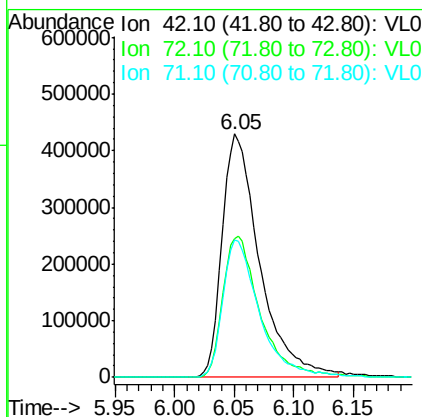
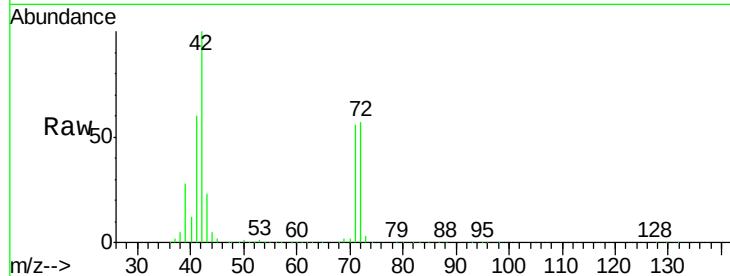
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	938683
Ion Ratio		Lower	Upper
42	100		
72	58.3	45.4	68.0
71	55.7	43.4	65.2

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#42

Bromodichloromethane

Concen: 10.601 ppbv

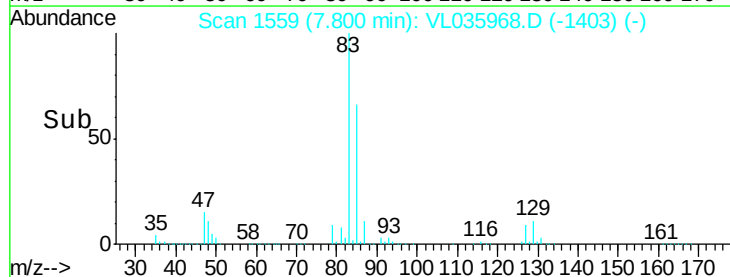
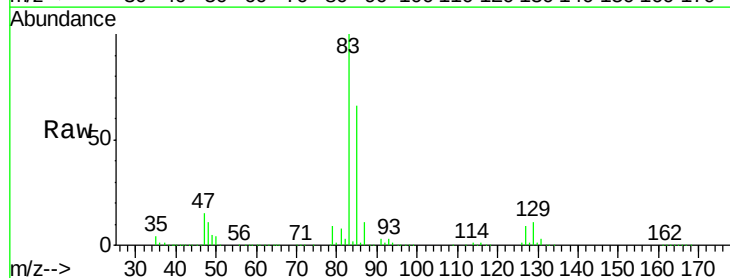
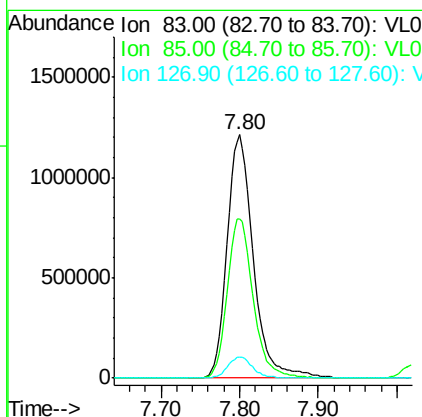
RT: 7.80 min Scan# 1559

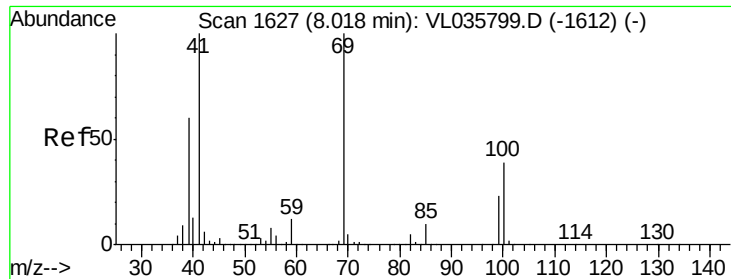
Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Tgt Ion:	83	Resp:	2802908
Ion Ratio		Lower	Upper
83	100		
85	65.6	53.1	79.7
127	8.7	7.3	10.9





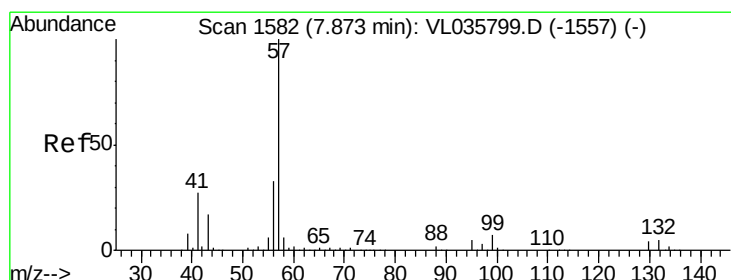
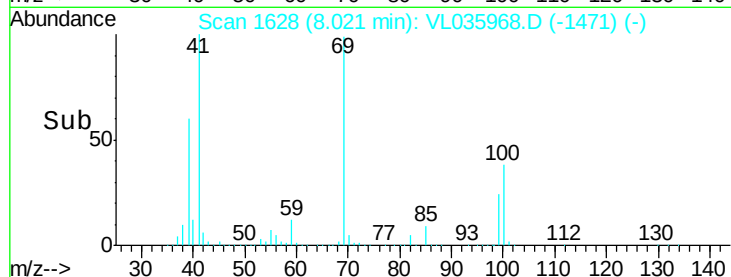
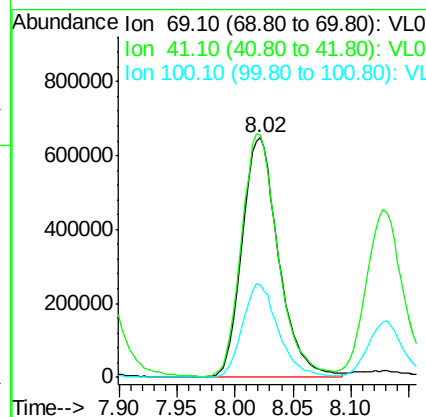
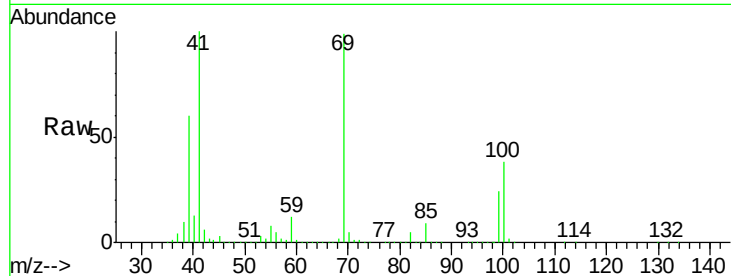
#43
Methvl Methacrylate
Concen: 10.763 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1419894
Ion Ratio Lower Upper
69 100
41 101.6 81.1 121.7
100 38.2 31.0 46.4

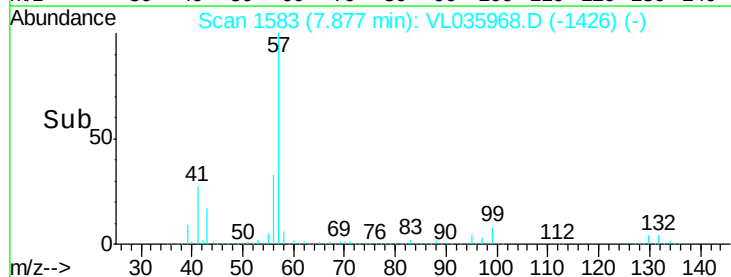
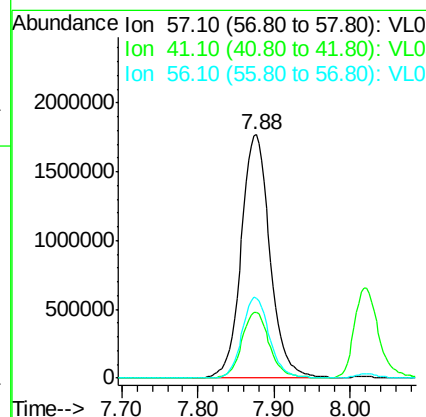
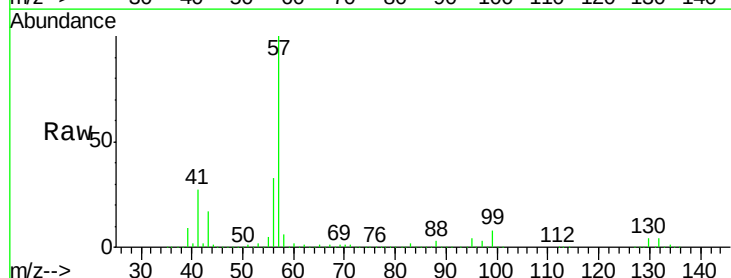
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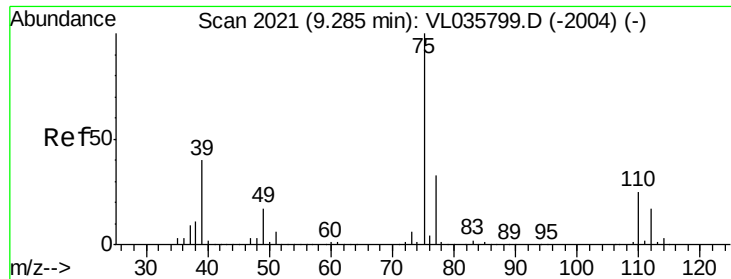
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.159 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion: 57 Resp: 4649872
Ion Ratio Lower Upper
57 100
41 26.1 21.0 31.4
56 31.7 25.4 38.0





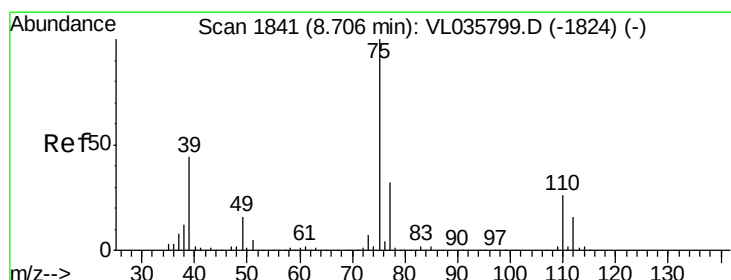
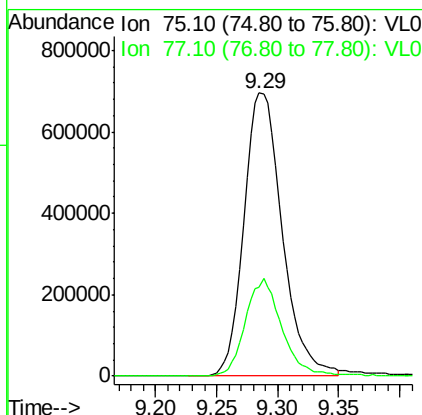
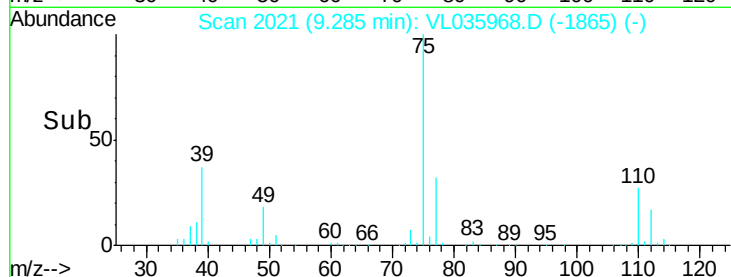
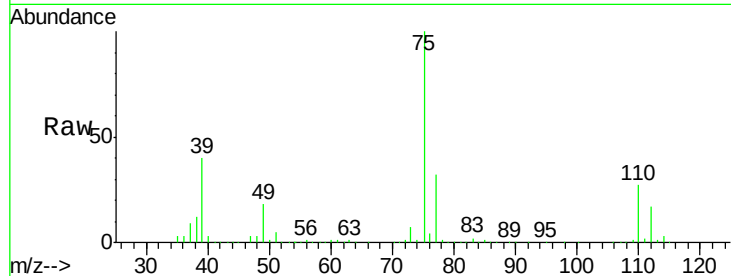
#45
t-1,3-Dichloropropene
Concen: 10.765 ppbv
RT: 9.29 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1505493
Ion Ratio Lower Upper
75 100
77 31.6 26.4 39.6

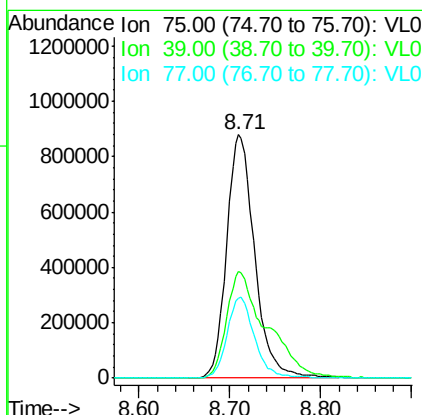
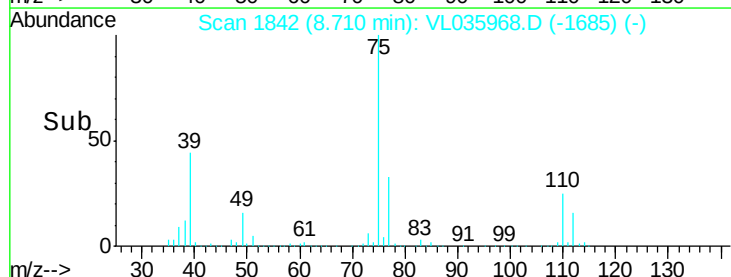
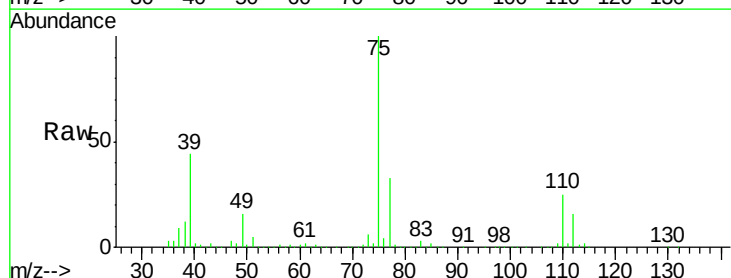
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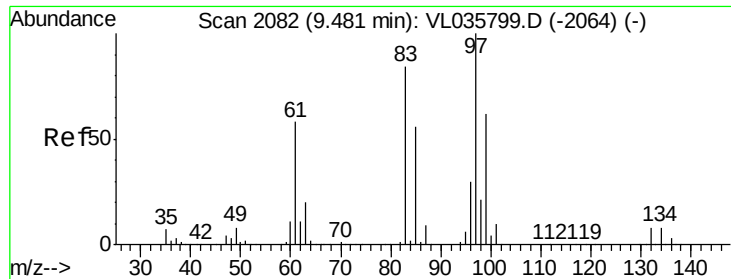
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#46
cis-1,3-Dichloropropene
Concen: 10.621 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion: 75 Resp: 1881172
Ion Ratio Lower Upper
75 100
39 43.9 35.1 52.7
77 33.0 25.7 38.5





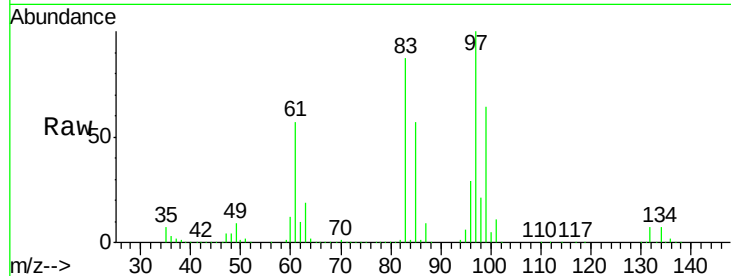
#47
 1,1,2-Trichloroethane
 Concen: 10.103 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

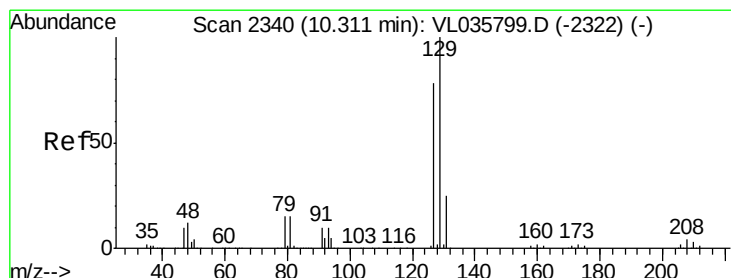
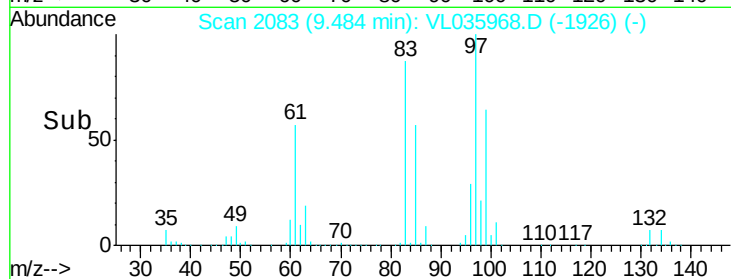
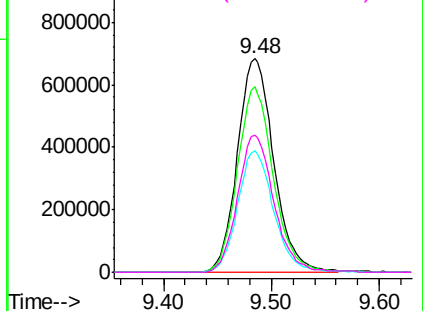
Tot Ion: 97 Resp: 1603032
 Ion Ratio Lower Upper
 97 100
 83 86.8 67.1 100.7
 85 56.8 44.7 67.1
 99 64.4 49.7 74.5

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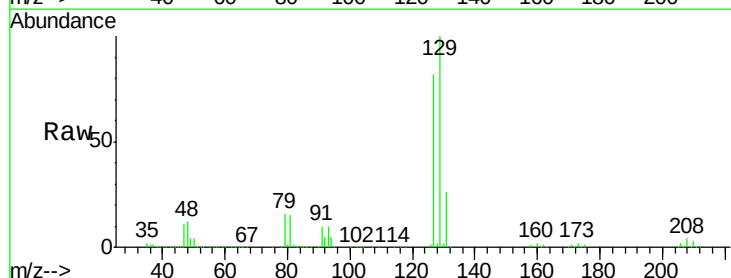


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

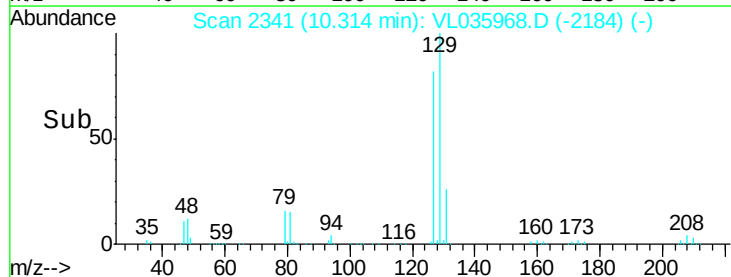
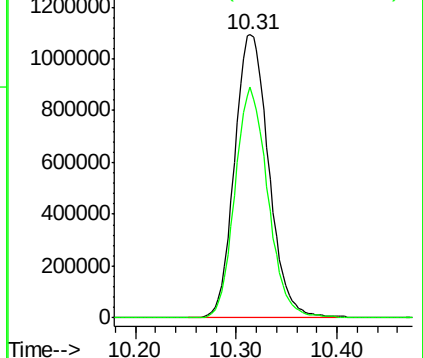


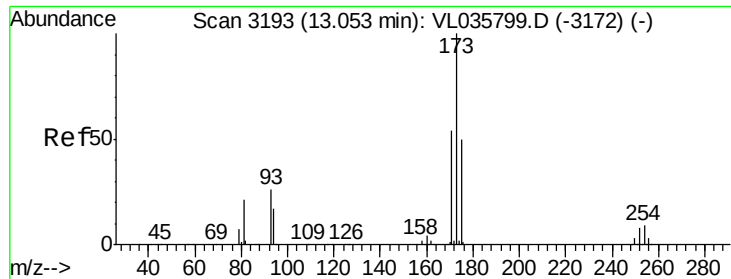
#48
 Dibromochloromethane
 Concen: 10.627 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Tgt Ion: 129 Resp: 2576106
 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: 10.707 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2190019

Ion Ratio Lower Upper

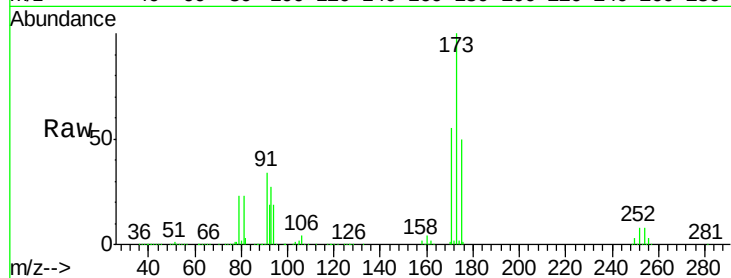
173 100

175 49.9 40.1 60.1

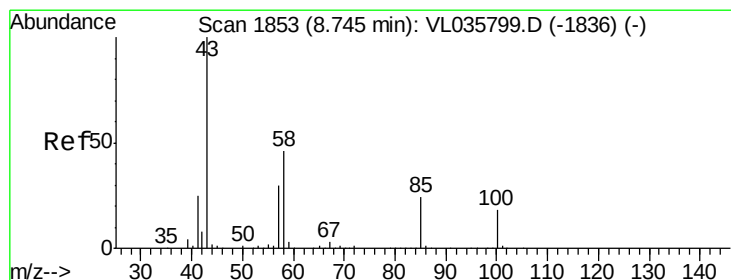
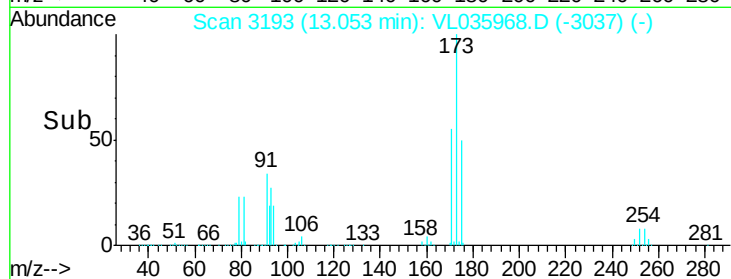
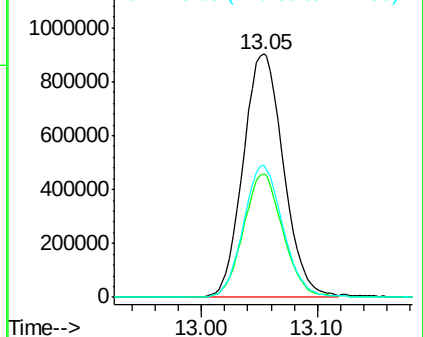
171 53.6 42.6 63.8

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.954 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL035968.D

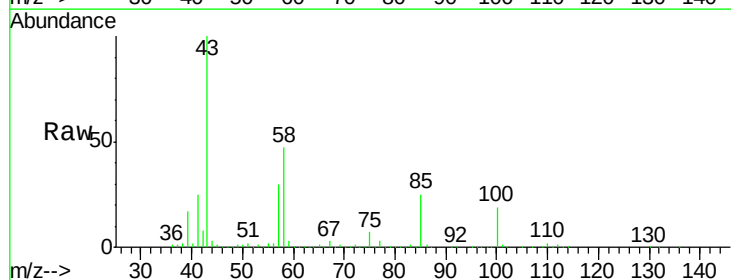
Acq: 17 Nov 2020 8:28

Tgt Ion: 43 Resp: 2529129

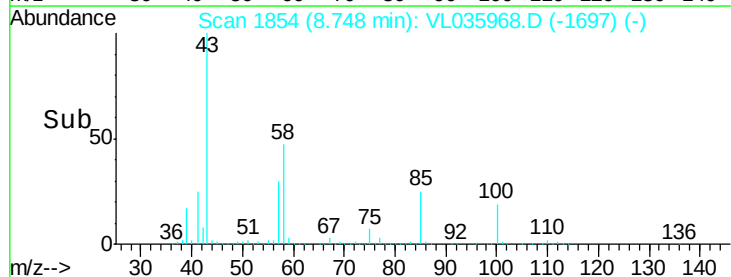
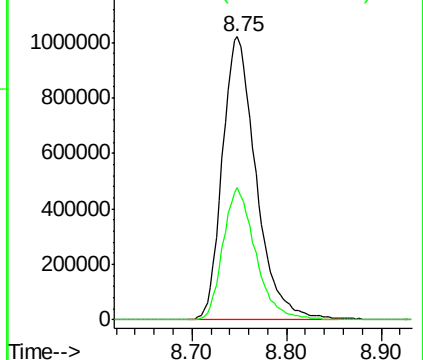
Ion Ratio Lower Upper

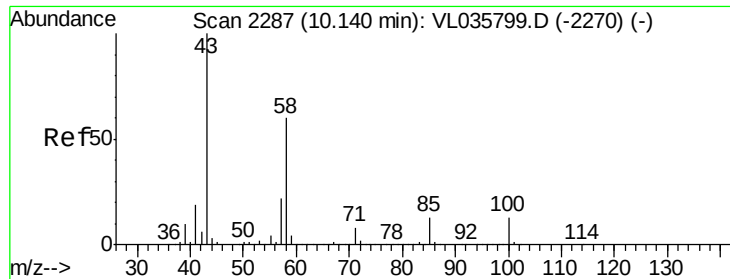
43 100

58 45.4 36.0 54.0



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





#51

2-Hexanone

Concen: 11.328 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2101050

Ion Ratio Lower Upper

43 100

58 60.9 48.3 72.5

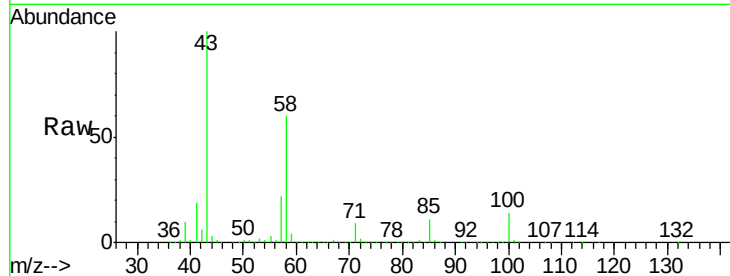
98 0.7 0.6 0.8

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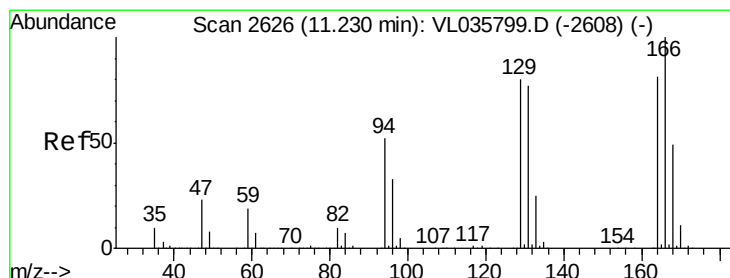
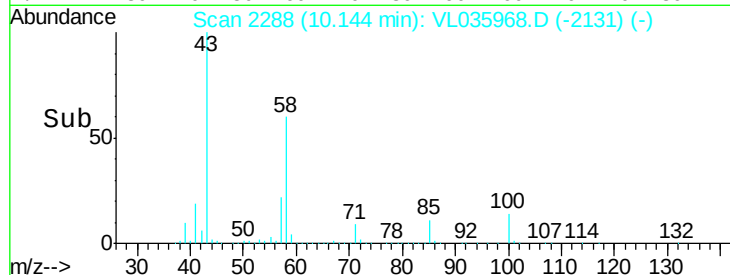
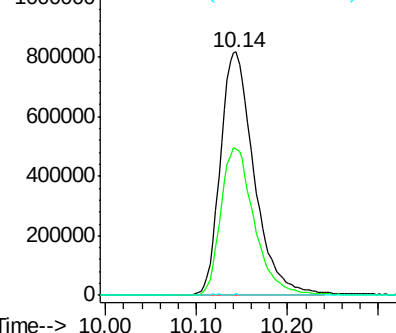
11/18/2020 9:08:45 AM



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: 9.029 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Tgt Ion:164 Resp: 1479558

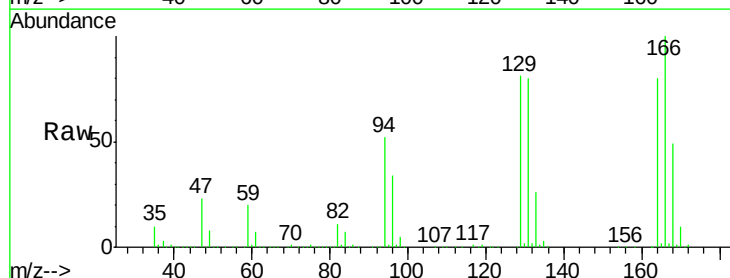
Ion Ratio Lower Upper

164 100

166 124.6 99.3 148.9

129 101.4 79.3 118.9

131 99.3 76.5 114.7

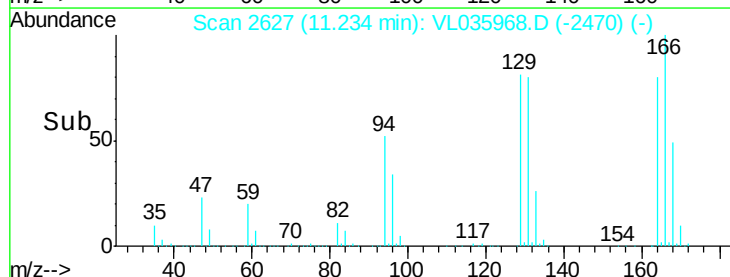
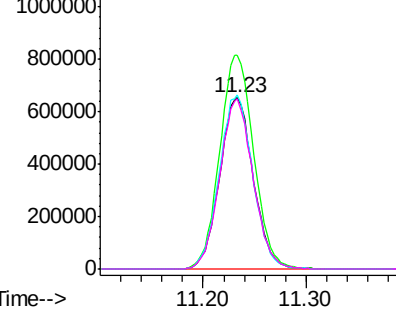


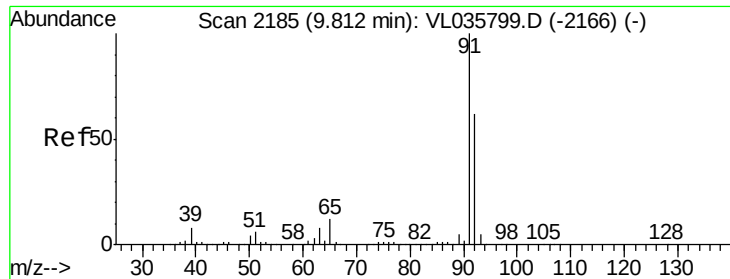
Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.043 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4191261

Ion Ratio Lower Upper

91 100

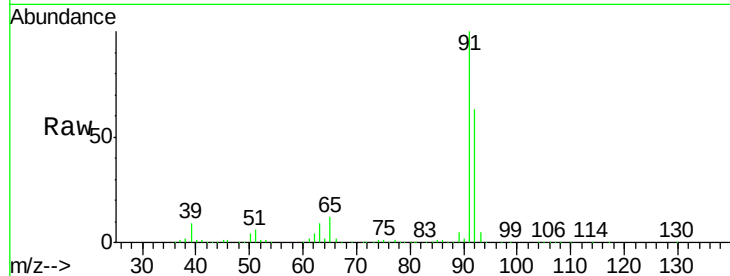
92 62.0 49.8 74.6

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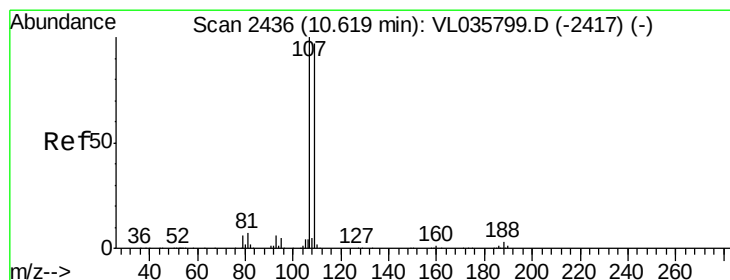
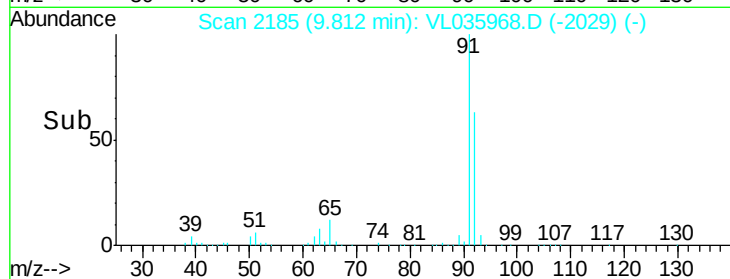
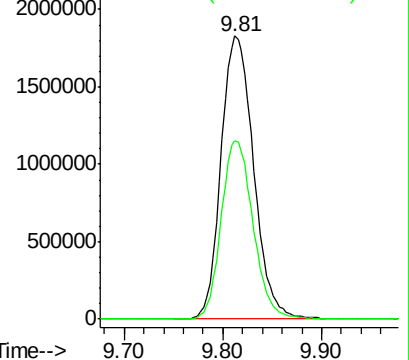
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.151 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL035968.D

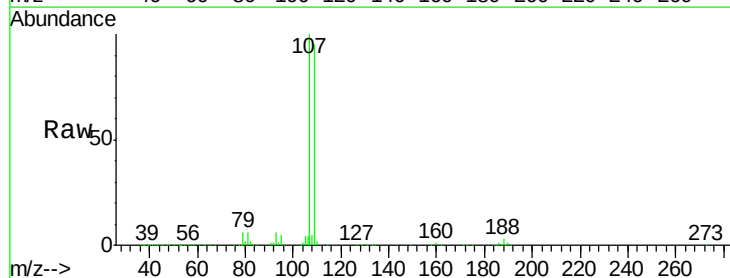
Acq: 17 Nov 2020 8:28

Tgt Ion: 107 Resp: 2449431

Ion Ratio Lower Upper

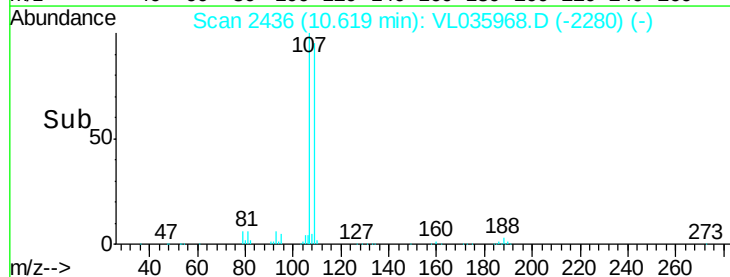
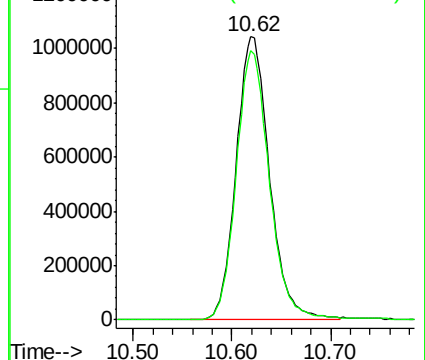
107 100

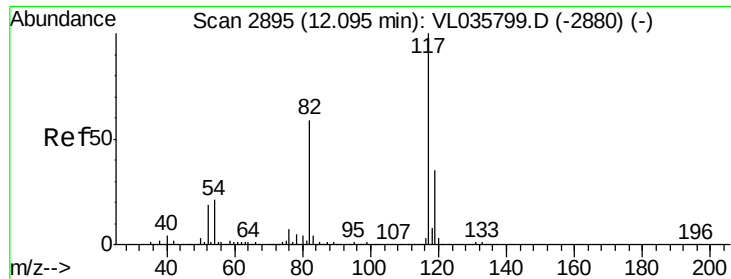
109 95.1 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





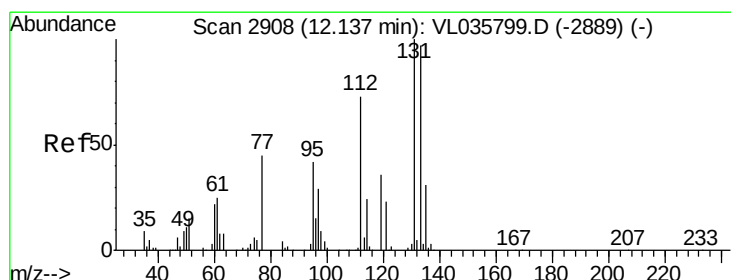
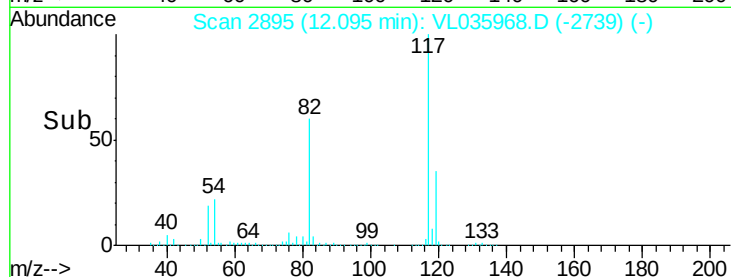
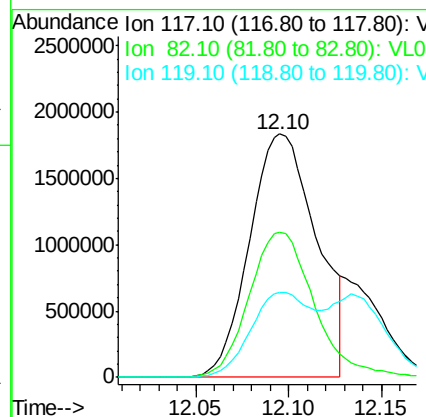
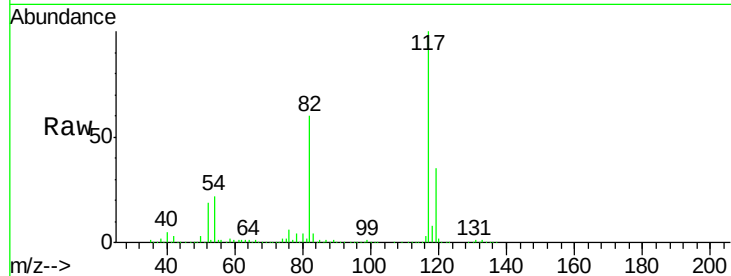
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4599683
Ion Ratio Lower Upper
117 100
82 58.5 50.6 76.0
119 35.1 52.6 78.8#

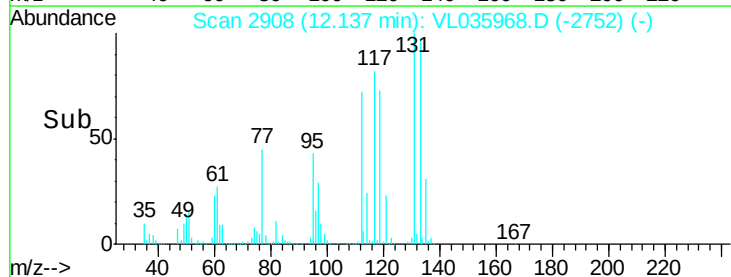
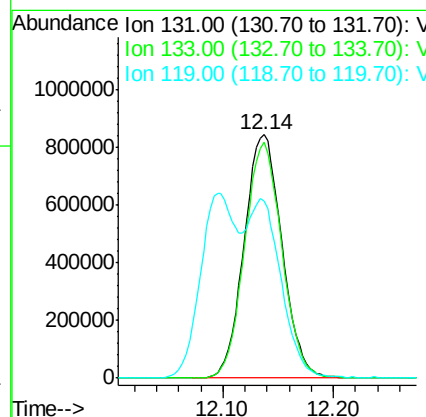
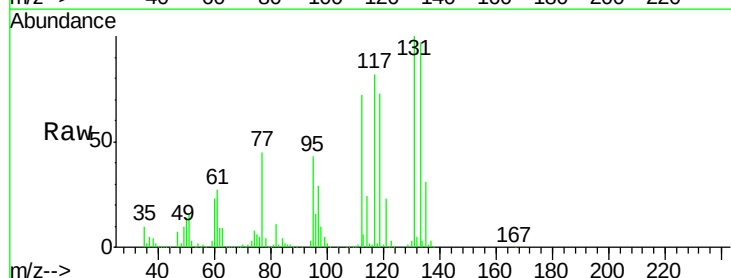
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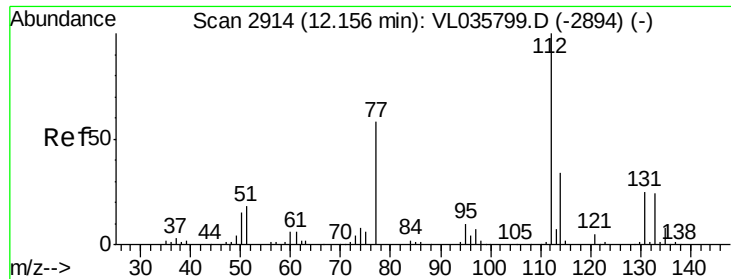
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.745 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion:131 Resp: 2011755
Ion Ratio Lower Upper
131 100
133 95.5 76.8 115.2
119 65.6 47.4 71.0





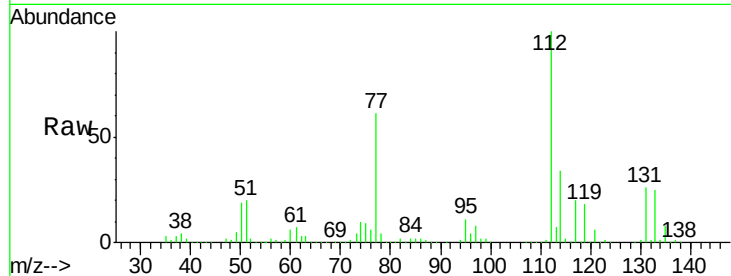
#57
Chlorobenzene
Concen: 9.348 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

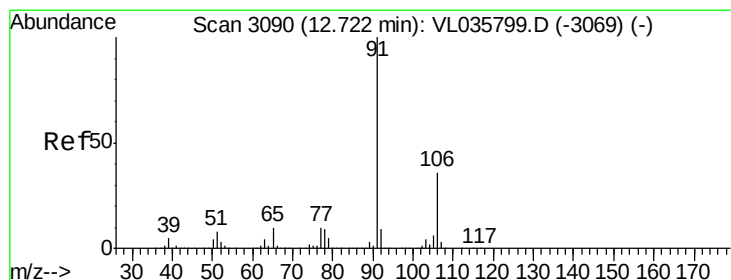
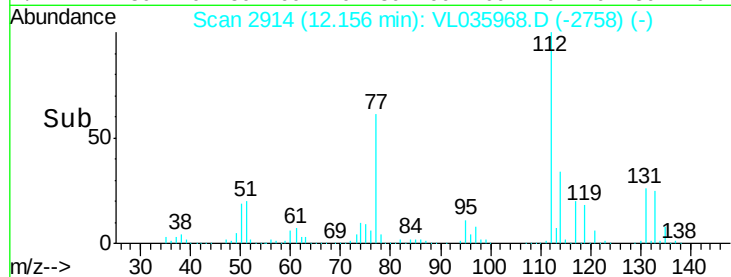
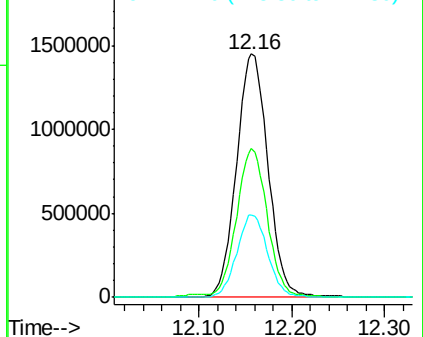
Tot Ion:112 Resp: 3418663
Ion Ratio Lower Upper
112 100
77 61.0 47.5 71.3
114 34.0 30.3 37.1

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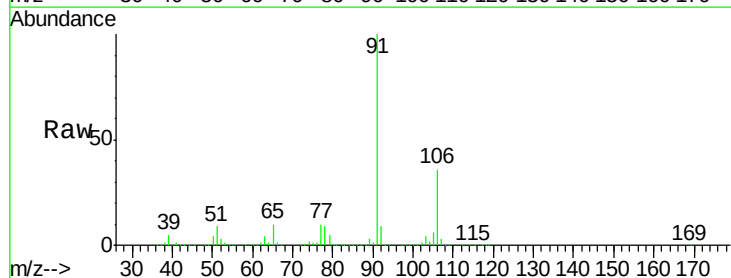


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

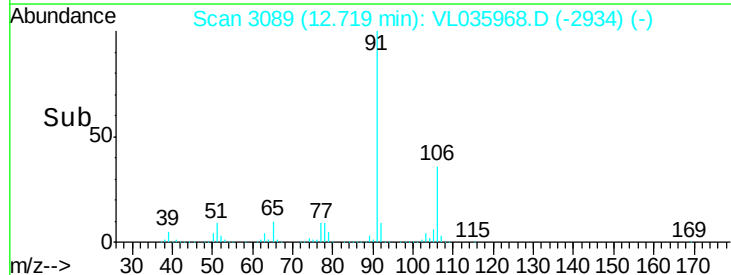
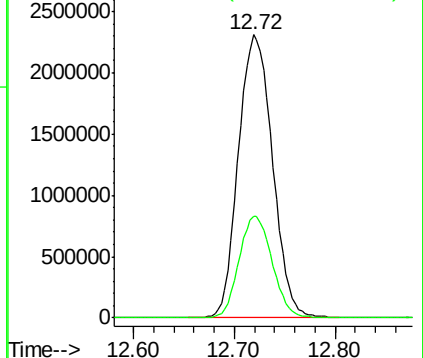


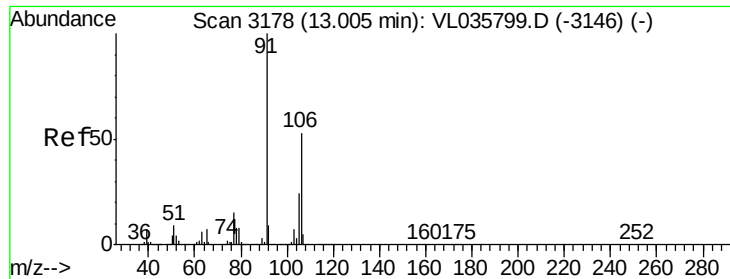
#58
Ethyl Benzene
Concen: 9.672 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion: 91 Resp: 5418419
Ion Ratio Lower Upper
91 100
106 35.7 28.6 43.0



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





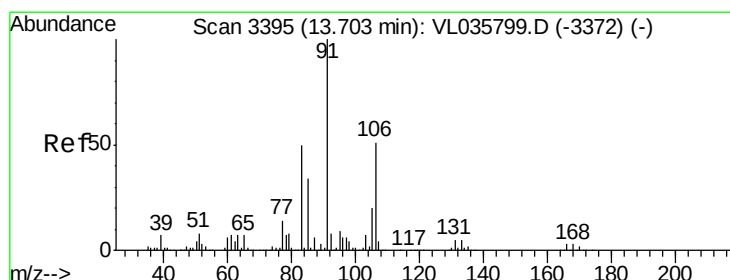
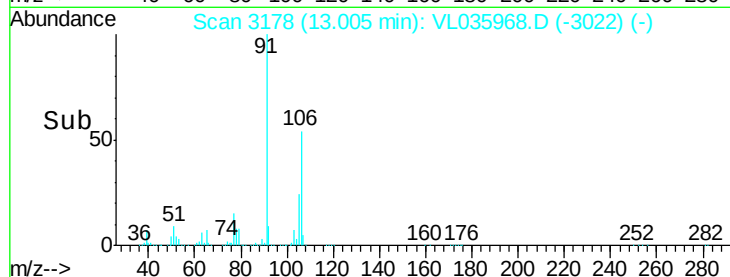
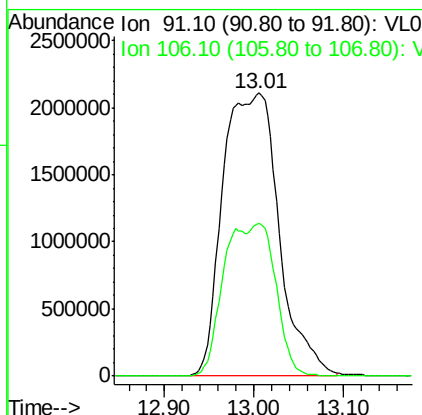
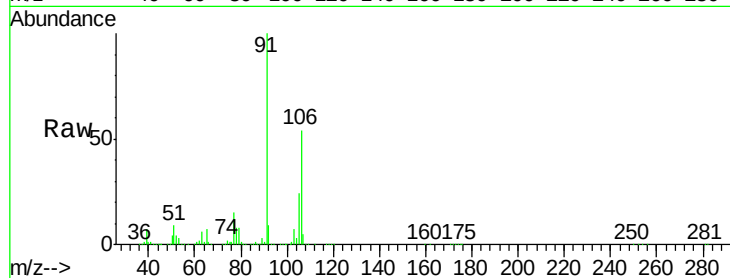
#59
m/p-Xylene
Concen: 19.370 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9180882
Ion Ratio Lower Upper
91 100
106 49.8 39.5 59.3

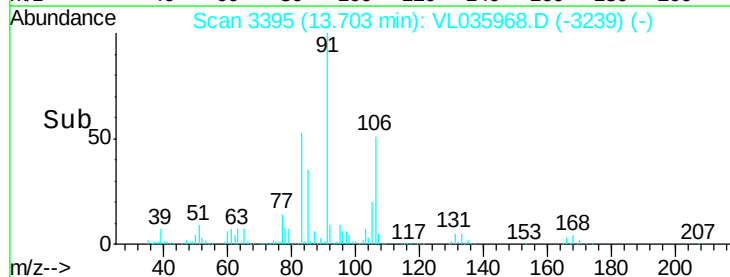
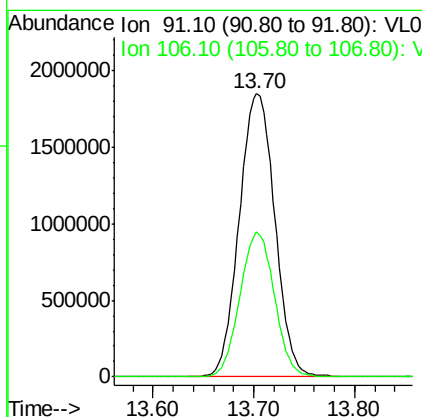
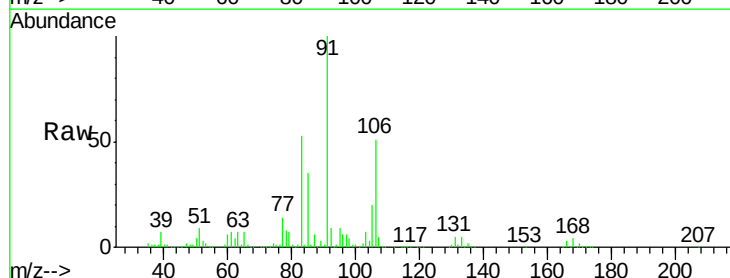
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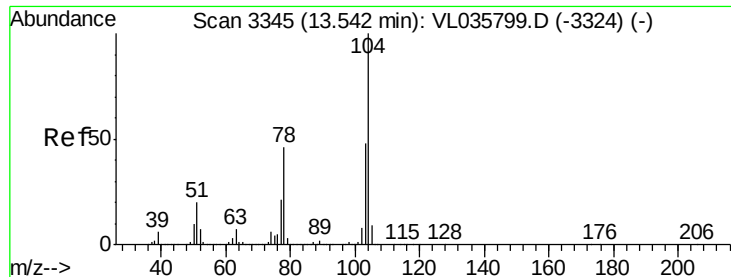
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#60
o-Xylene
Concen: 9.784 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion: 91 Resp: 4511084
Ion Ratio Lower Upper
91 100
106 49.8 24.8 74.4





#61

Stvrene

Concen: 10.262 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 3466885

Ion Ratio Lower Upper

104 100

78 46.6 37.1 55.7

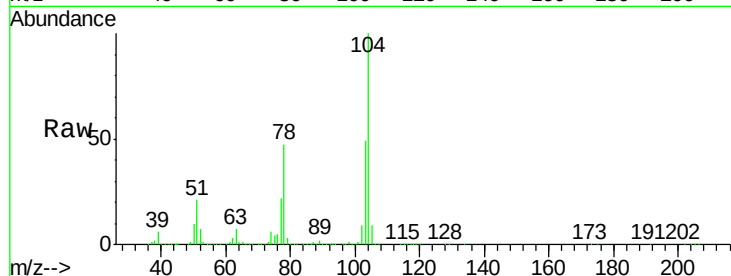
103 47.5 37.9 56.9

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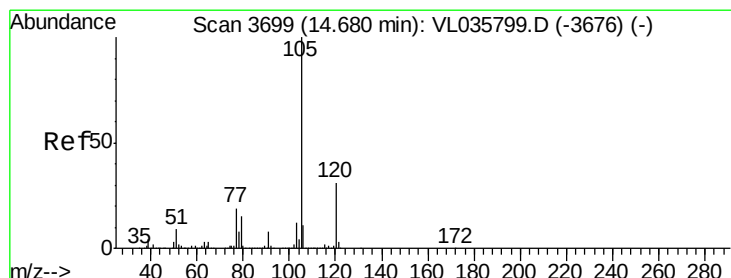
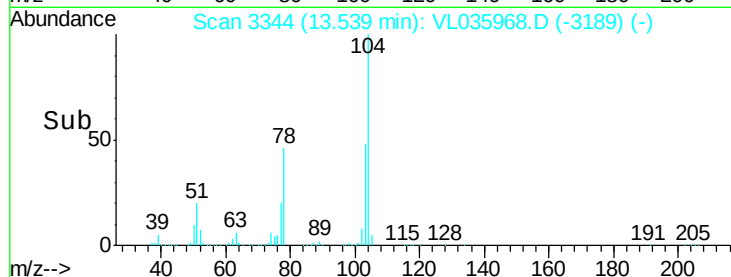
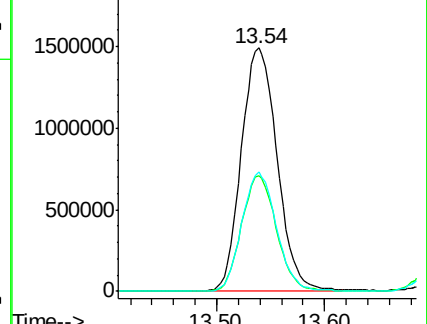
11/18/2020 9:08:45 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.341 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VL035968.D

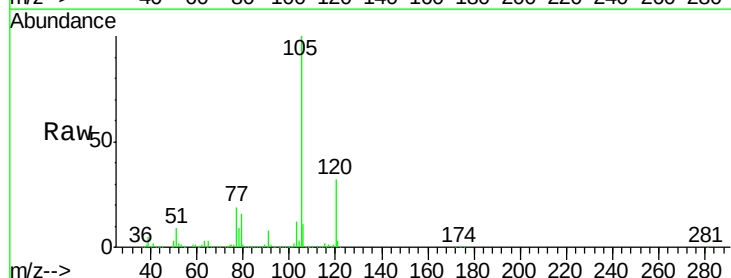
Acq: 17 Nov 2020 8:28

Tgt Ion:105 Resp: 6769271

Ion Ratio Lower Upper

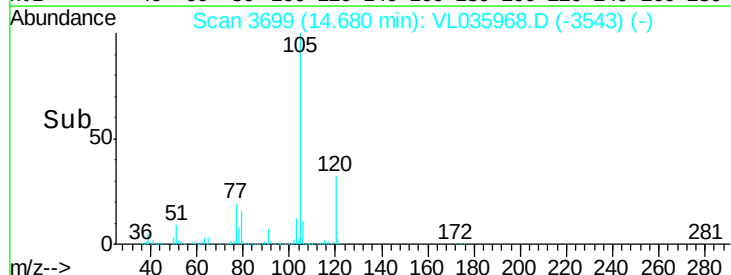
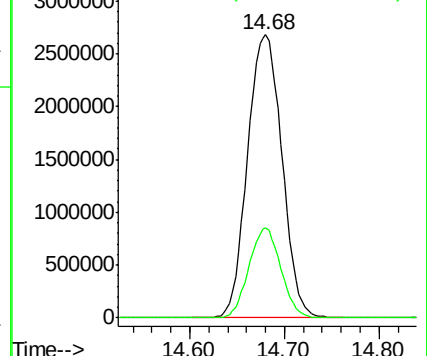
105 100

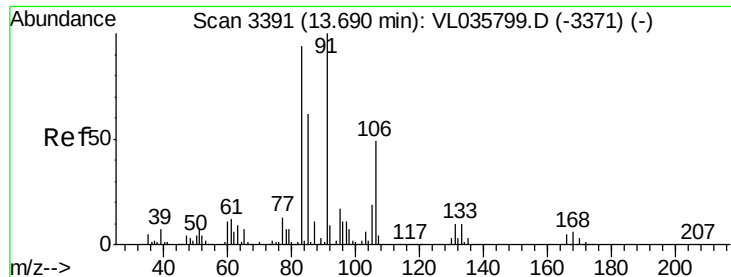
120 29.5 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





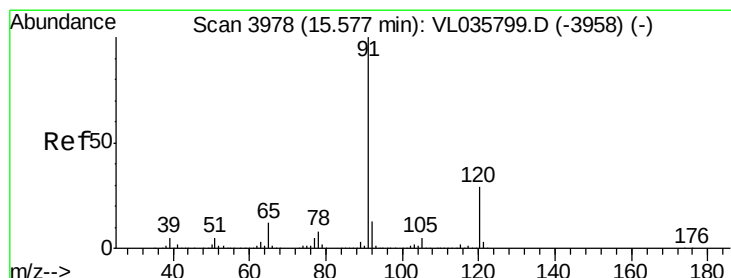
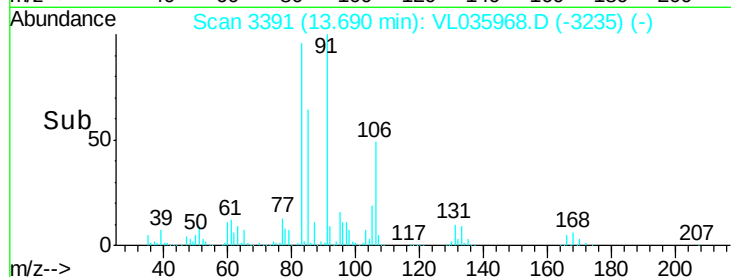
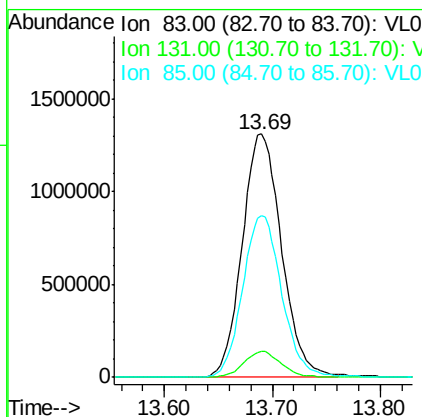
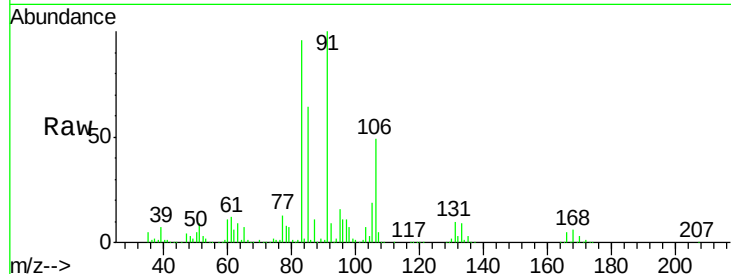
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.299 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 3322215
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.3 15.8
 85 66.8 33.5 100.4

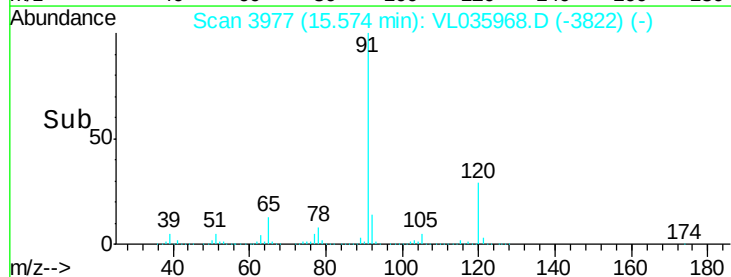
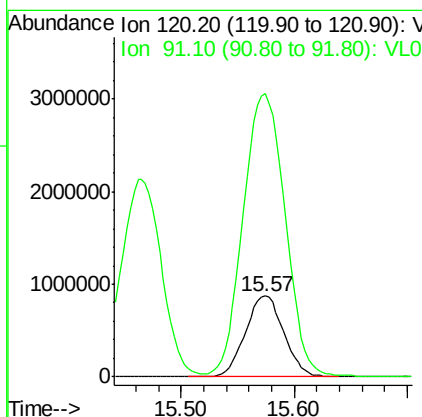
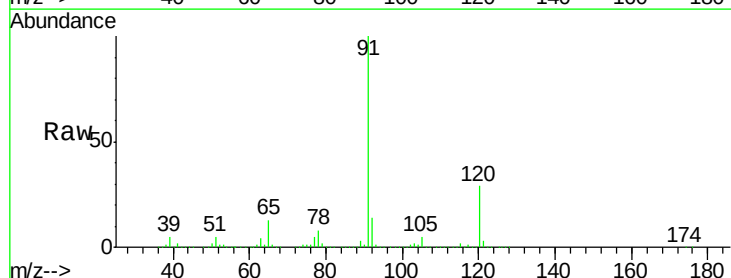
Manual Integrations
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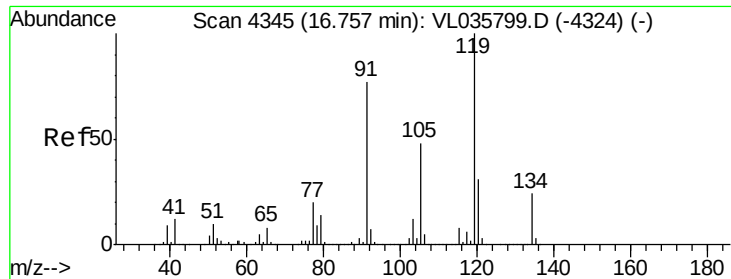
MMDadoda
 11/18/2020 9:08:45 AM



#64
 n-propylbenzene
 Concen: 9.850 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. -0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Tgt Ion:120 Resp: 2063174
 Ion Ratio Lower Upper
 120 100
 91 383.7 311.1 466.7





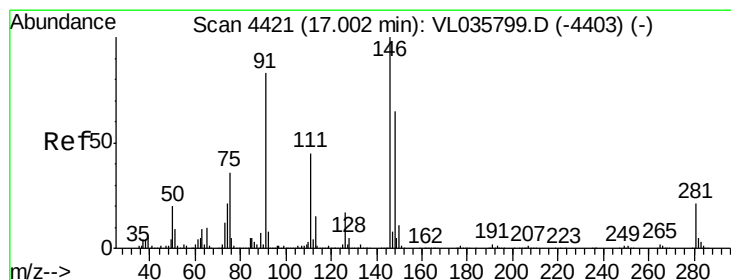
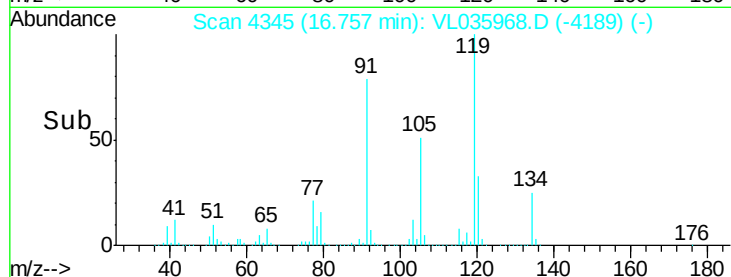
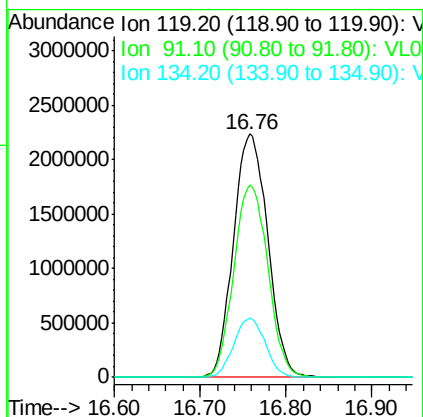
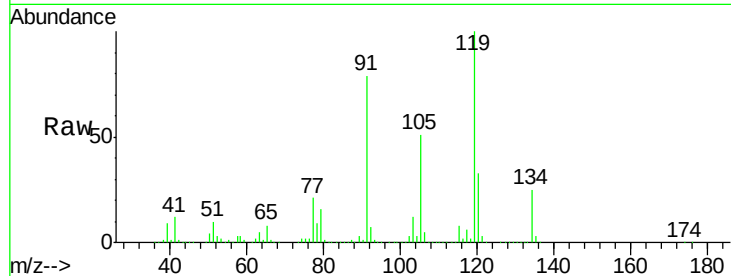
#65
tert-Butylbenzene
Concen: 9.399 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 6199981
Ion Ratio Lower Upper
119 100
91 78.5 62.0 93.0
134 22.3 17.8 26.8

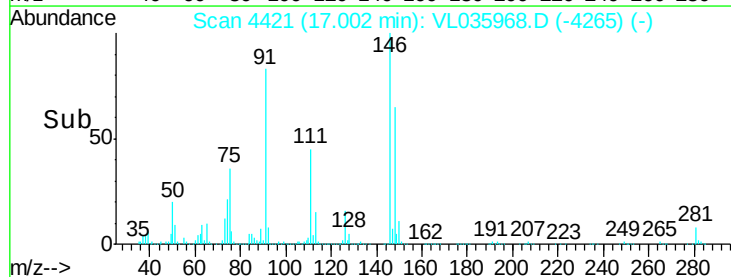
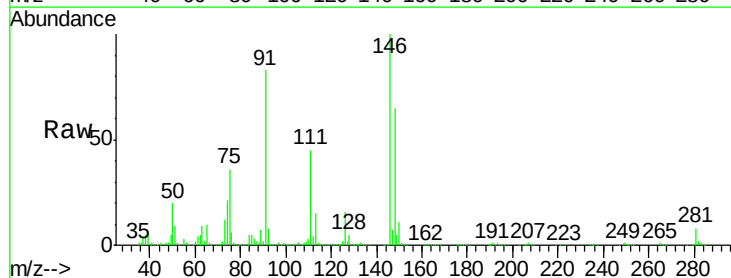
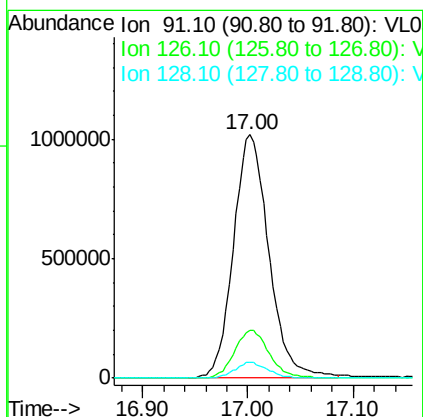
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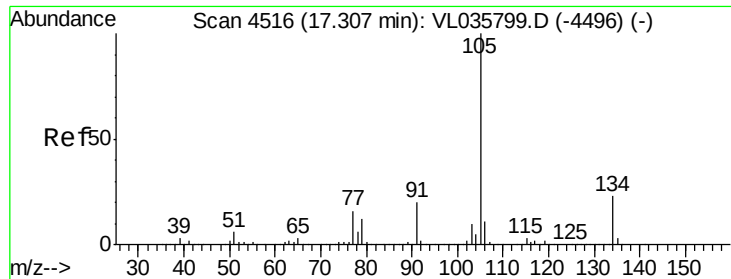
MMDadoda
11/18/2020 9:08:45 AM



#66
Benzyl Chloride
Concen: 10.843 ppbv
RT: 17.00 min Scan# 4421
Delta R.T. 0.00 min
Lab File: VL035968.D
Acq: 17 Nov 2020 8:28

Tgt Ion: 91 Resp: 2364205
Ion Ratio Lower Upper
91 100
126 19.4 16.0 24.0
128 6.2 5.0 7.4





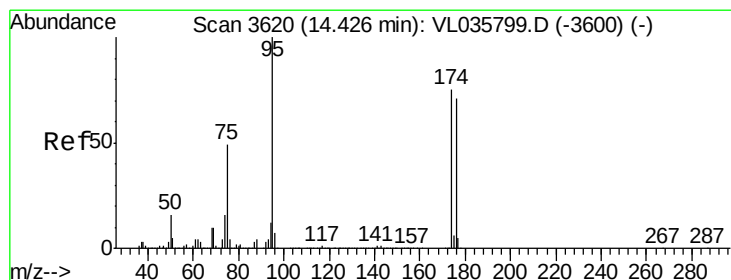
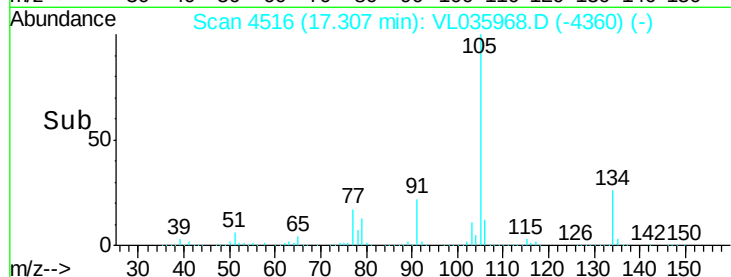
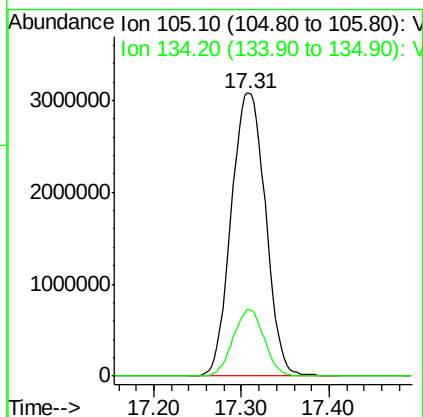
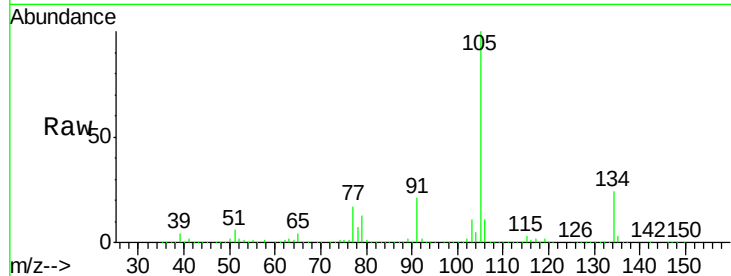
#67
 sec-Butylbenzene
 Concen: 9.420 ppbv
 RT: 17.31 min Scan# 4516
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 8373418
 Ion Ratio Lower Upper
 105 100
 134 21.4 17.0 25.6

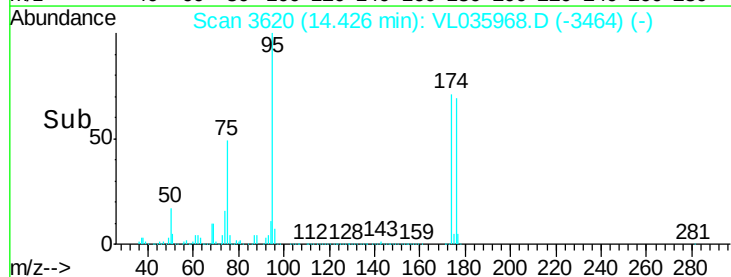
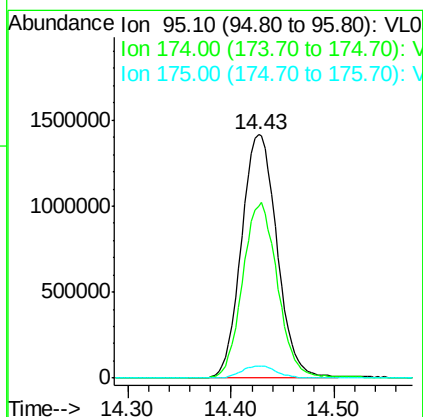
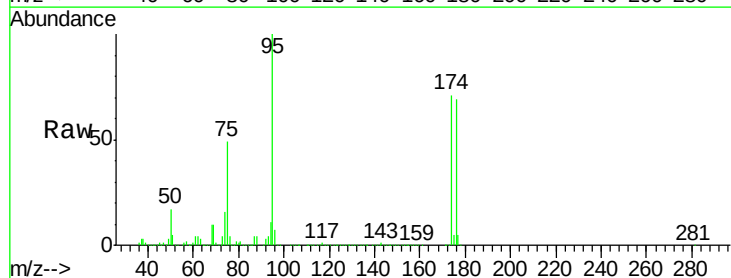
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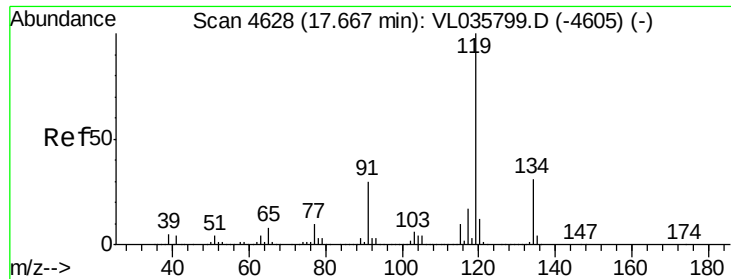
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 11/18/2020 9:08:45 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.399 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Tgt Ion: 95 Resp: 3398380
 Ion Ratio Lower Upper
 95 100
 174 71.5 59.8 89.6
 175 5.1 4.3 6.5





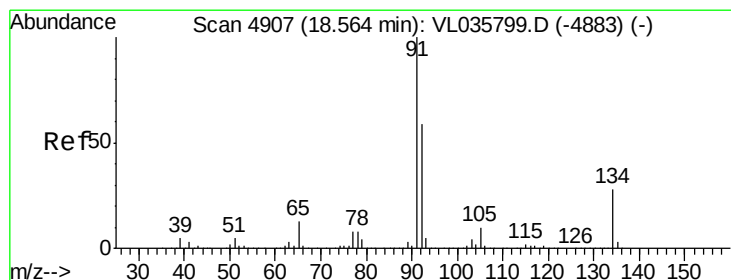
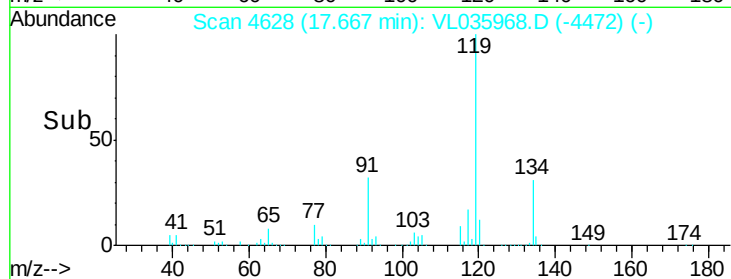
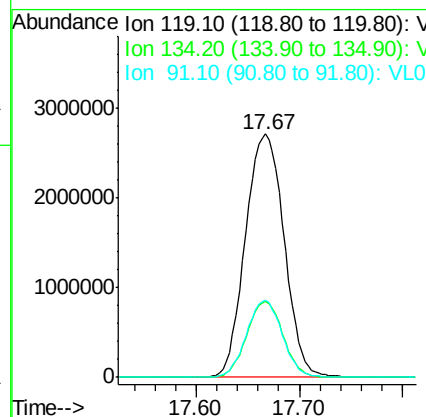
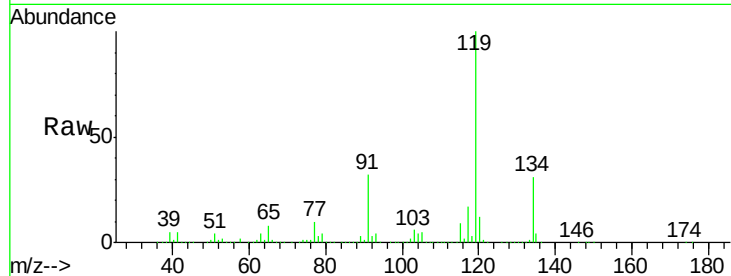
#69
 p-Isopropyltoluene
 Concen: 9.657 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 7084190
 Ion Ratio Lower Upper
 119 100
 134 29.2 23.0 34.6
 91 29.3 22.8 34.2

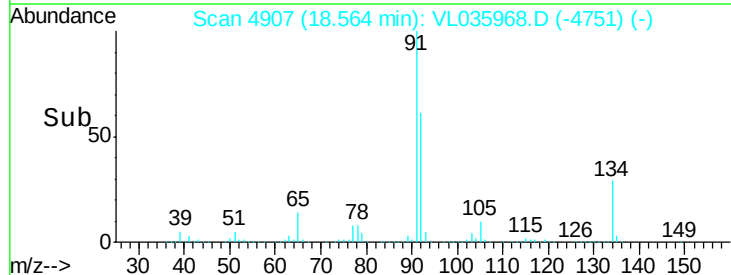
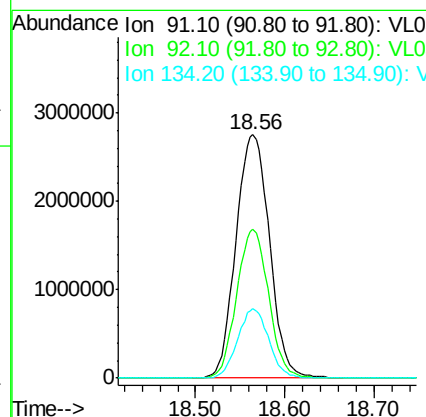
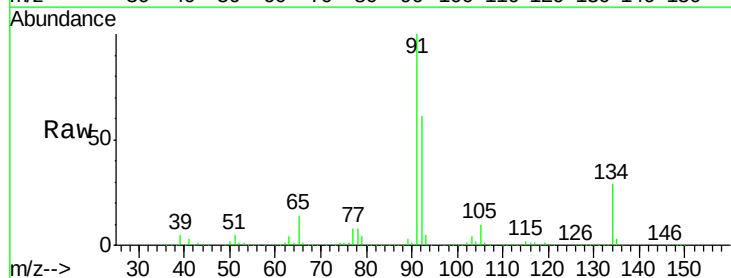
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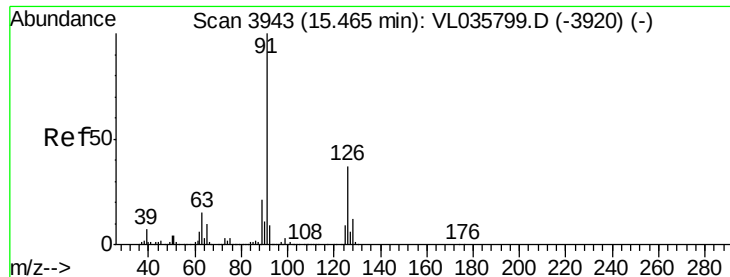
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#70
 n-Butylbenzene
 Concen: 10.190 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Tgt Ion: 91 Resp: 7198521
 Ion Ratio Lower Upper
 91 100
 92 58.2 45.7 68.5
 134 26.6 21.0 31.4





#71

2-Chlorotoluene

Concen: 9.824 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 5207370

Ion Ratio Lower Upper

91 100

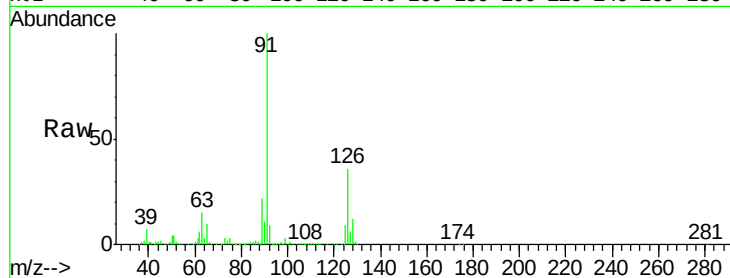
126 35.4 14.3 57.1

Manual Integrations

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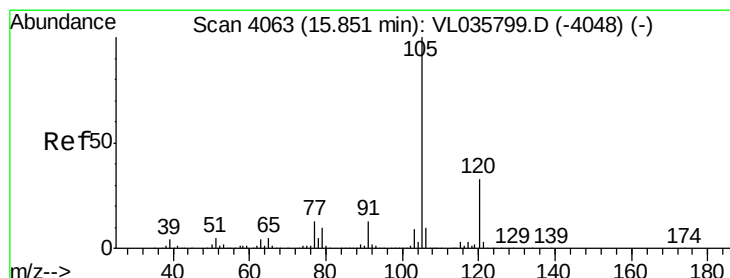
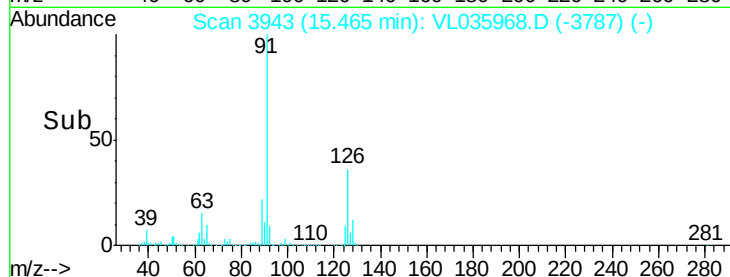
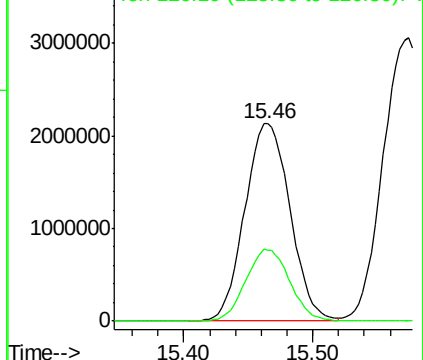
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.892 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Tgt Ion: 105 Resp: 5531866

Ion Ratio Lower Upper

105 100

120 32.6 25.9 38.9

91 12.4 9.9 14.9

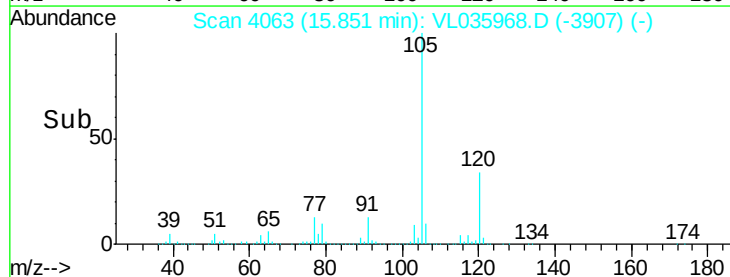
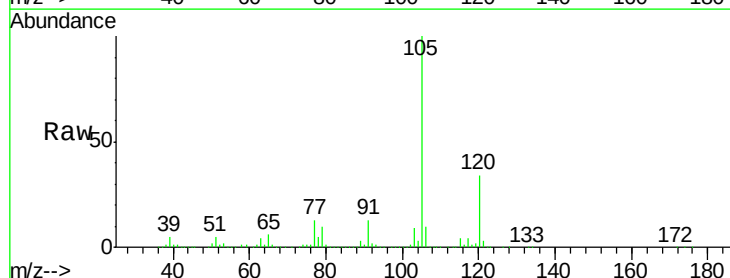
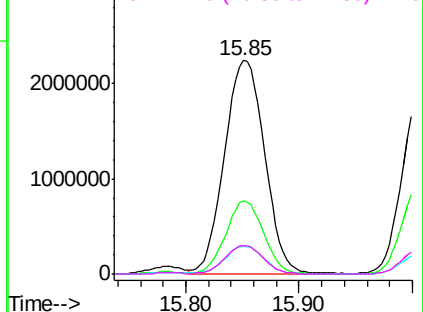
77 13.2 10.2 15.2

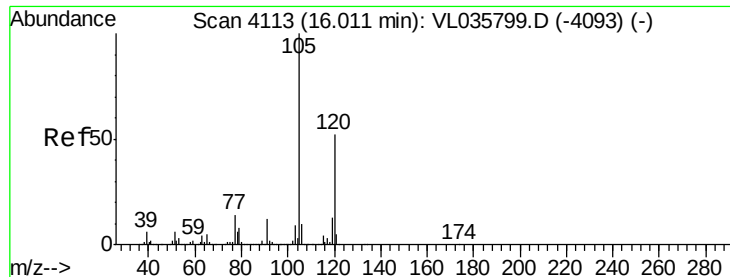
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 10.042 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5138977

Ion Ratio Lower Upper

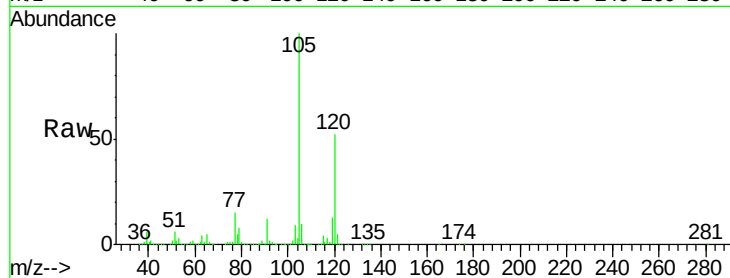
105 100

120 52.0 41.4 62.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

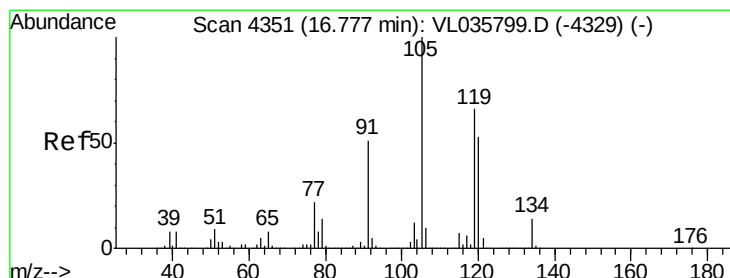
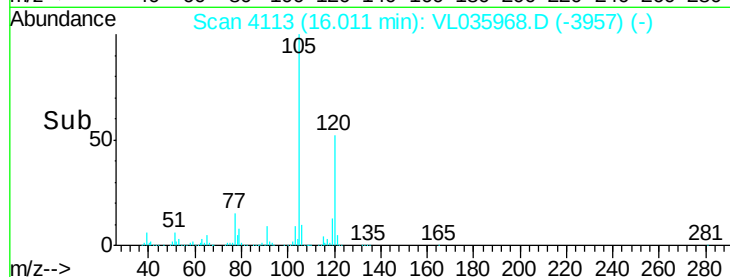
0

15.90

16.01

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.797 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Tgt Ion:105 Resp: 5371960

Ion Ratio Lower Upper

105 100

120 53.0 42.0 63.0

91 51.2 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): V

Ion 77.10 (76.80 to 77.80): V

3000000

2000000

1000000

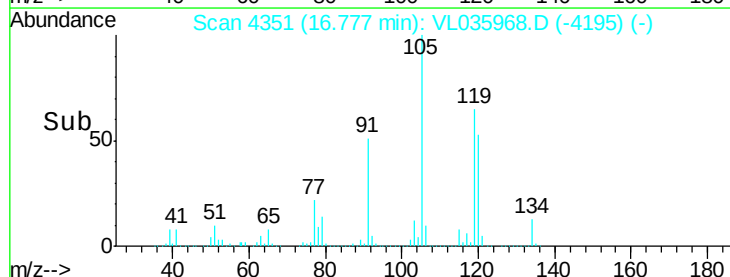
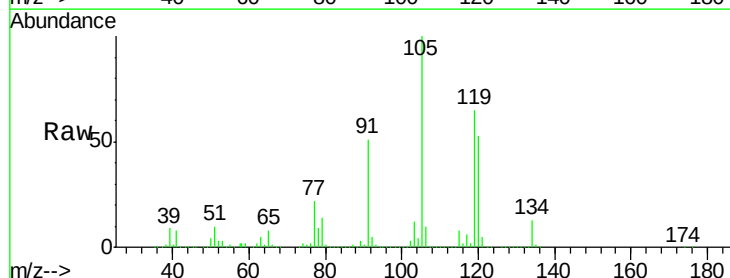
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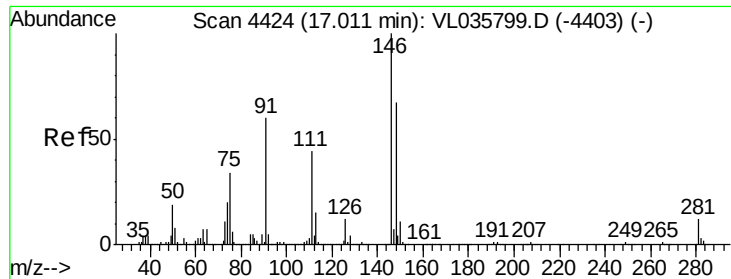
16.70

16.78

16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.781 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3415071

Ion Ratio Lower Upper

146 100

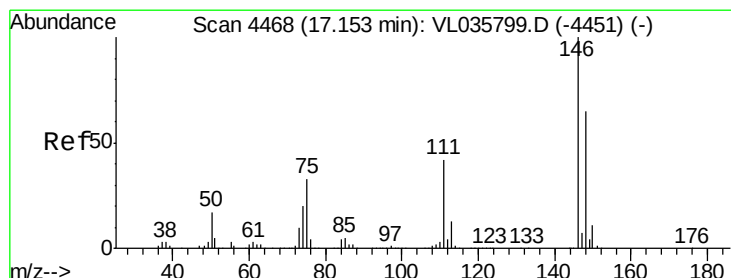
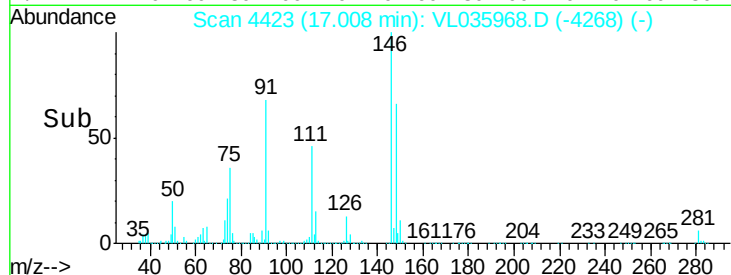
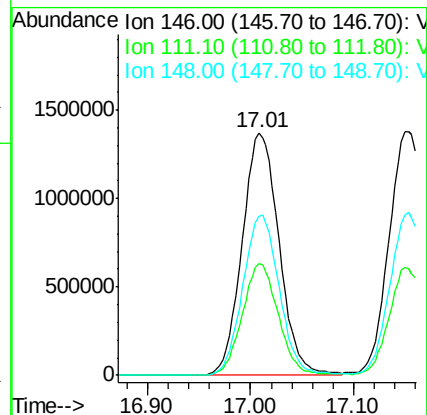
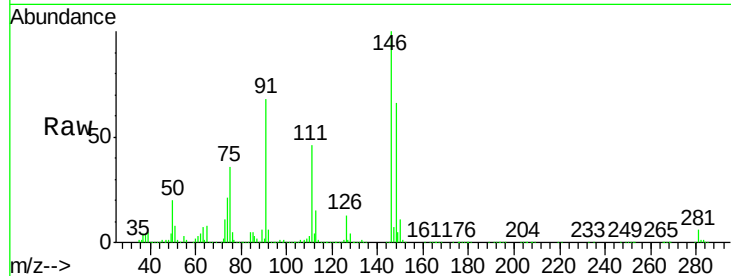
111 44.8 21.8 65.4

148 65.2 32.5 97.5

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 10.057 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

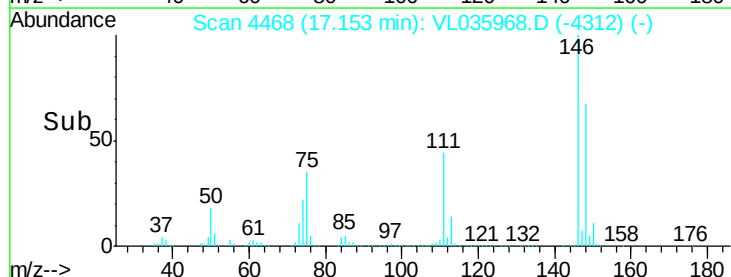
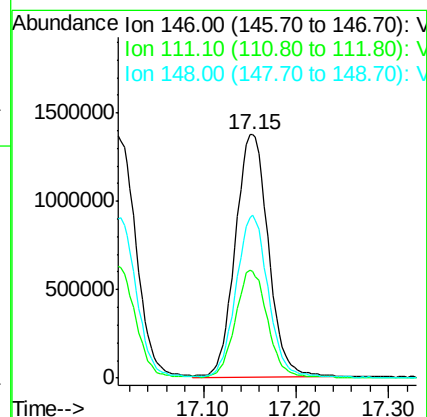
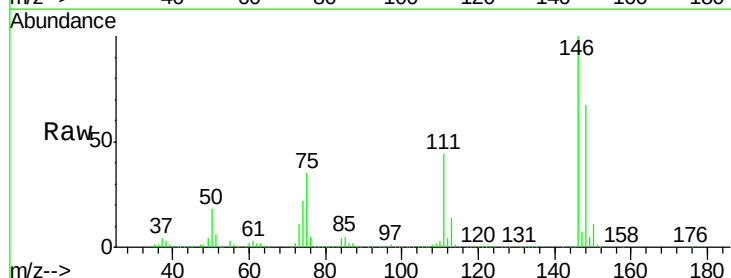
Tgt Ion:146 Resp: 3387271

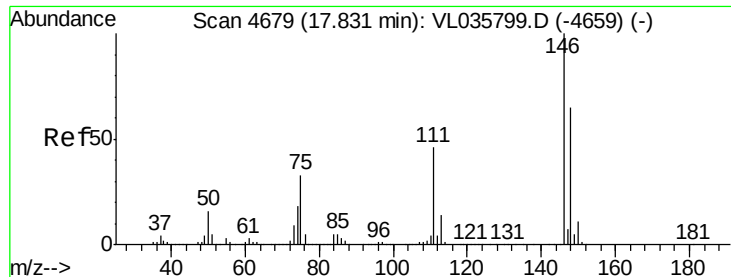
Ion Ratio Lower Upper

146 100

111 43.9 21.3 63.7

148 65.6 33.0 99.0





#77

1,2-Dichlorobenzene

Concen: 9.864 ppbv

RT: 17.83 min Scan# 4679

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3357254

Ion Ratio Lower Upper

146 100

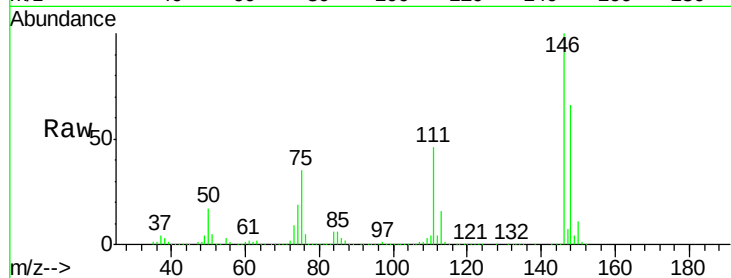
111 46.3 22.4 67.0

148 65.7 32.5 97.5

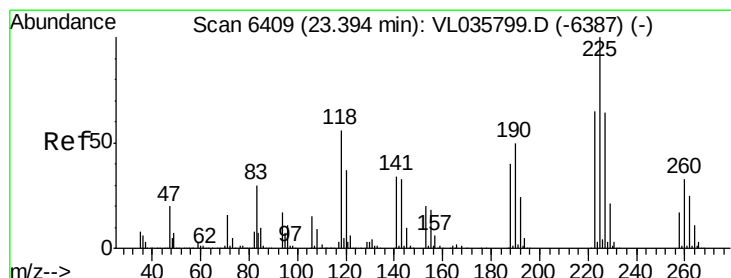
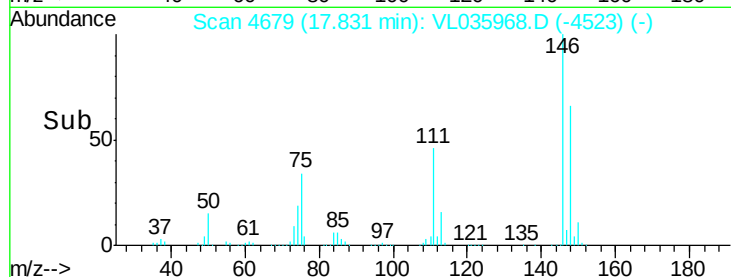
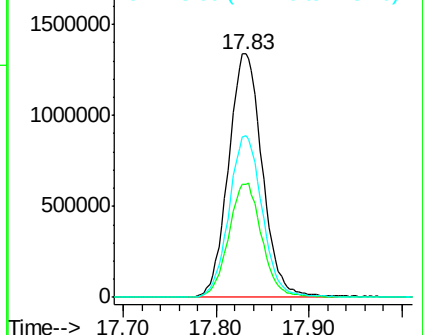
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 11.396 ppbv

RT: 23.39 min Scan# 6409

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

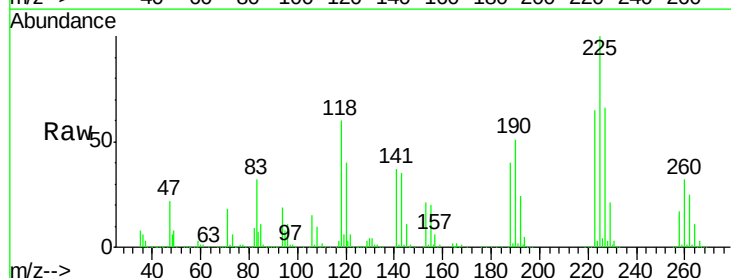
Tgt Ion:225 Resp: 1809826

Ion Ratio Lower Upper

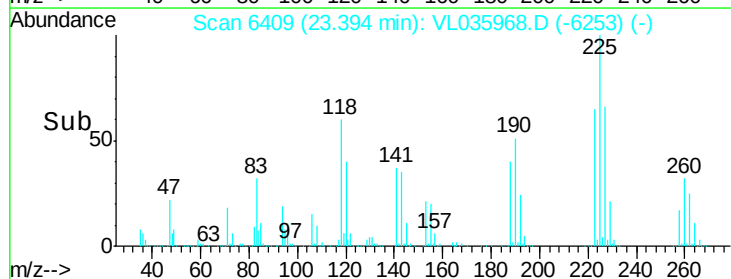
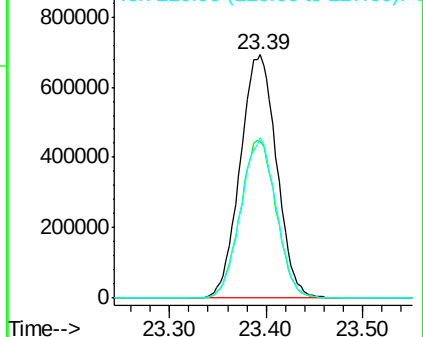
225 100

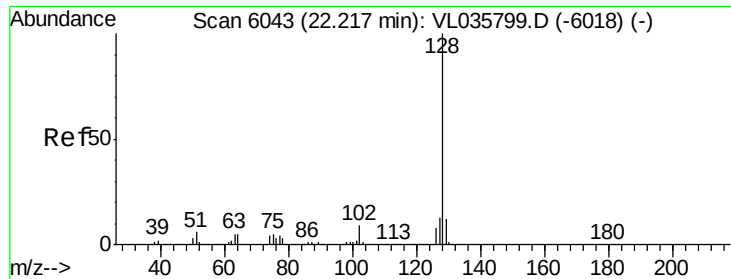
223 64.4 51.0 76.6

227 64.3 51.2 76.8



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 13.121 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 5015383

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

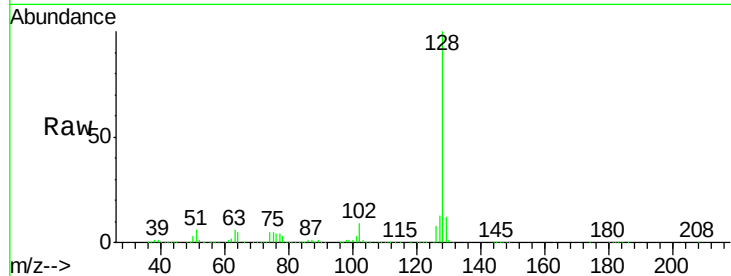
129 11.9 9.2 13.8

Manual Integrations

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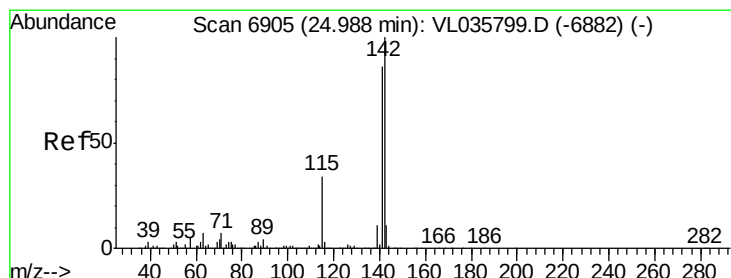
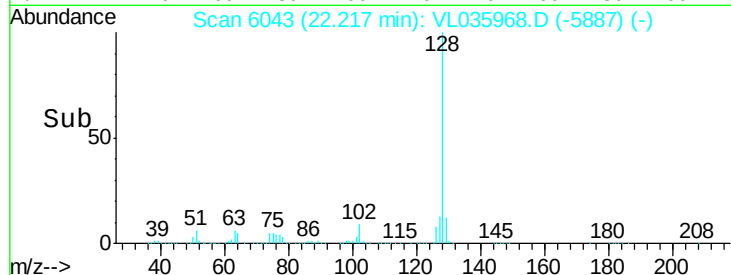
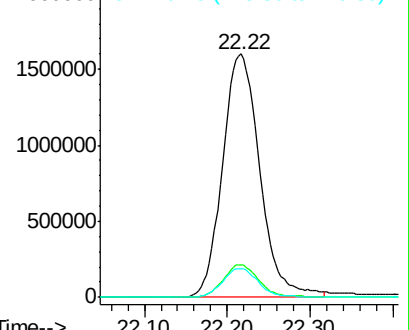
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 19.462 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. 0.00 min

Lab File: VL035968.D

Acq: 17 Nov 2020 8:28

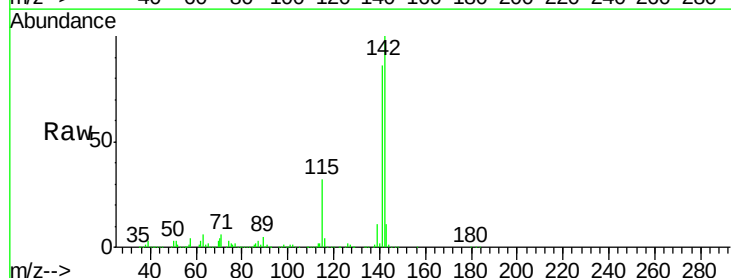
Tgt Ion:142 Resp: 1212344

Ion Ratio Lower Upper

142 100

141 85.1 67.8 101.8

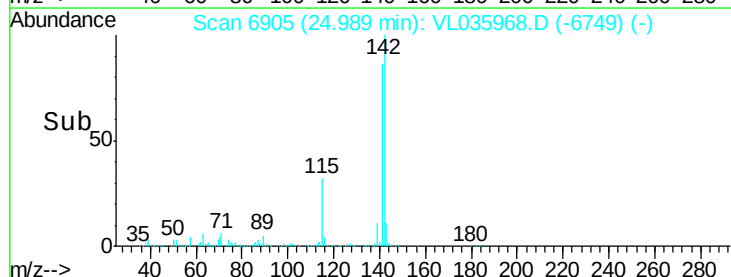
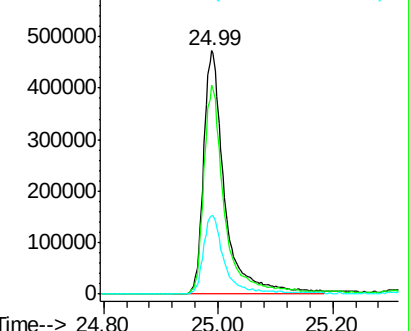
115 32.9 28.1 42.1

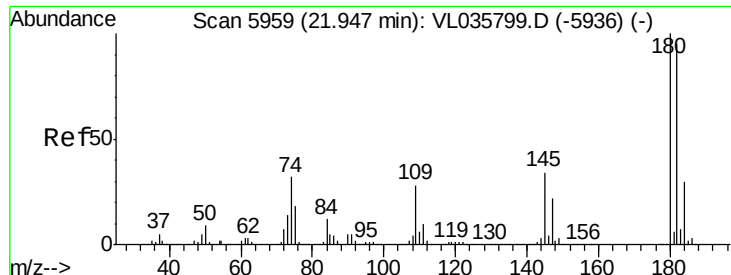


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.906 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. -0.00 min
 Lab File: VL035968.D
 Acq: 17 Nov 2020 8:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.2	115.8
184	31.6	24.7	37.1

Manual Integrations
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