

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111620\
 Data File : VL035938.D
 Acq On : 16 Nov 2020 10:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 9:06:21 AM

Quant Time: Nov 17 09:42:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 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	1252271	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4578159	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4446834m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3431175	10.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1653247	7.012	ppbv 100
3) Chlorodifluoromethane	2.98	51	1373614	9.160	ppbv 99
4) Chloromethane	3.14	50	675978	9.279	ppbv 99
5) Vinyl Chloride	3.25	62	848823	9.140	ppbv 98
6) Bromomethane	3.47	94	695235	9.308	ppbv 97
7) Chloroethane	3.55	64	317192	9.705	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	2389457	8.856	ppbv 96
9) Propene	3.01	41	518284	9.442	ppbv 100
10) Heptane	8.13	43	1512674	9.978	ppbv 99
11) Trichlorofluoromethane	3.95	101	2867614	9.686	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2118111	9.610	ppbv 98
13) Ethanol	3.61	45	93142	7.822	ppbv 97
14) Bromoethene	3.74	108	883727	8.712	ppbv 99
15) Acetone	3.85	43	1210209	9.040	ppbv 99
16) 1,3-Butadiene	3.32	39	560859	9.730	ppbv 96
17) tert-Butyl alcohol	4.29	59	1578248	8.895	ppbv 99
18) 1,1-Dichloroethene	4.29	96	965580	9.541	ppbv 94
19) Isopropyl Alcohol	3.97	45	735808	8.943	ppbv # 98
20) Methylene Chloride	4.34	84	811002	8.605	ppbv 98
21) Allyl Chloride	4.41	41	706047	9.752	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	961769	9.375	ppbv 98
23) Vinyl Acetate	5.08	43	1675505	8.928	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1694469	9.478	ppbv 99
25) Ethyl Acetate	5.68	43	2551216	9.673	ppbv 99
26) Hexane	5.69	57	1335383	9.181	ppbv 97
27) Carbon Disulfide	4.55	76	2091768	9.598	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	2272129	8.699	ppbv 99
29) Chloroform	5.76	83	2602810	9.104	ppbv 97
30) Cyclohexane	7.13	84	1382753	8.728	ppbv 96
31) cis-1,2-Dichloroethene	5.55	61	1377701	9.207	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	2513690	8.426	ppbv 99
34) 2-Butanone	5.25	43	1620225	10.905	ppbv 96
35) Carbon Tetrachloride	7.02	117	2480965	10.143	ppbv 98
36) Benzene	6.90	78	3236203	9.508	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1631715	10.582	ppbv 98
38) Trichloroethene	7.84	130	1464843	8.811	ppbv 97
39) 1,2-Dichloropropane	7.62	63	1155847	10.087	ppbv 98
40) 1,4-Dioxane	7.83	88	515724	9.496	ppbv 85
41) Tetrahydrofuran	6.05	42	940022	11.136	ppbv 96
42) Bromodichloromethane	7.80	83	2668256	10.256	ppbv 98
43) Methyl Methacrylate	8.02	69	1341866	10.336	ppbv 95

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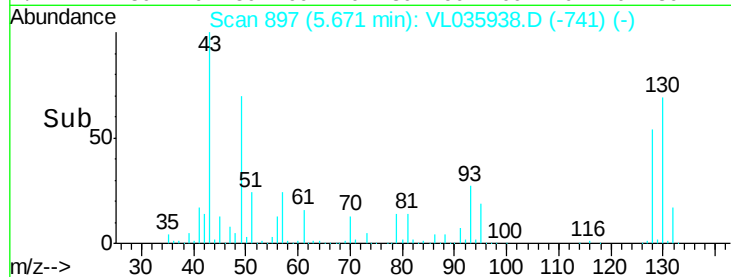
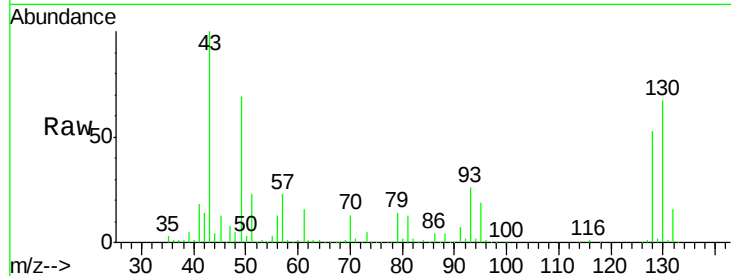
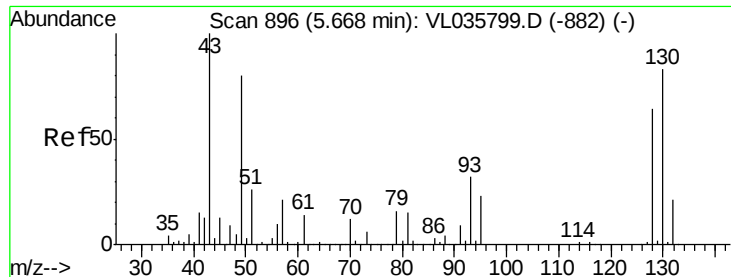
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4574213	10.156	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1415081	10.282	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1759689	10.096	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1500274	9.609	ppbv	98
48) Dibromochloromethane	10.31	129	2417883	10.136	ppbv	99
49) Bromoform	13.05	173	2002197	9.947	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2521050	11.096	ppbv	98
51) 2-Hexanone	10.14	43	2033456	11.142	ppbv	98
52) Tetrachloroethene	11.23	164	1335402	8.282	ppbv	97
53) Toluene	9.81	91	3926354	9.561	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2238877	9.429	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1891435	9.477	ppbv	95
57) Chlorobenzene	12.16	112	3136875	8.872	ppbv	99
58) Ethyl Benzene	12.72	91	5039845	9.306	ppbv	98
59) m/p-Xylene	13.01	91	8602100m	18.773	ppbv	
60) o-Xylene	13.70	91	4228939	9.487	ppbv	98
61) Styrene	13.54	104	3088466	9.456	ppbv	99
62) Isopropylbenzene	14.68	105	6221194	8.880	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3058589	8.856	ppbv	99
64) n-propylbenzene	15.57	120	1810030	8.938	ppbv	94
65) tert-Butylbenzene	16.76	119	5536697	8.682	ppbv	98
66) Benzyl Chloride	17.00	91	1921709	9.117	ppbv	98
67) sec-Butylbenzene	17.31	105	7486081	8.711	ppbv	98
69) p-Isopropyltoluene	17.67	119	6109571	8.615	ppbv	99
70) n-Butylbenzene	18.56	91	6109489	8.946	ppbv	99
71) 2-Chlorotoluene	15.46	91	4687776	9.148	ppbv	97
72) 4-Ethyltoluene	15.85	105	4871633	9.011	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4510377	9.117	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4715520	8.895	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	2844711	8.428	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	2747234	8.437	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2722165	8.273	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1288047	8.390	ppbv	100
79) Naphthalene	22.22	128	2976761	8.055	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	467224	7.758	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1594604	7.723	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Tot Ion: 49 Resp: 1252271

Ion Ratio Lower Upper

49 100

128 78.9 41.5 124.6

130 100.8 53.7 161.1

Instrument :

MSVOA_L

ClientSampleId :

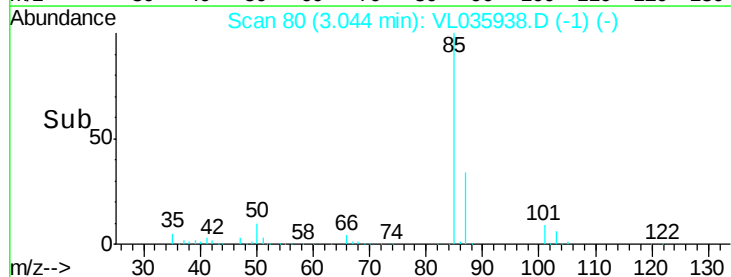
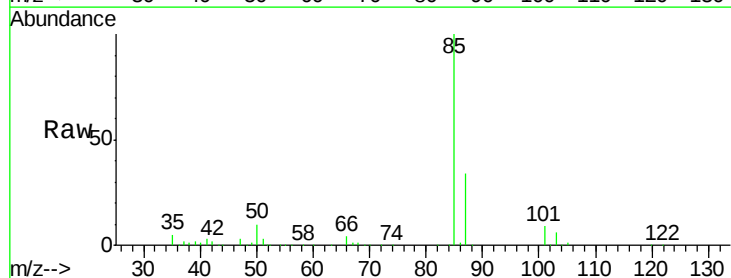
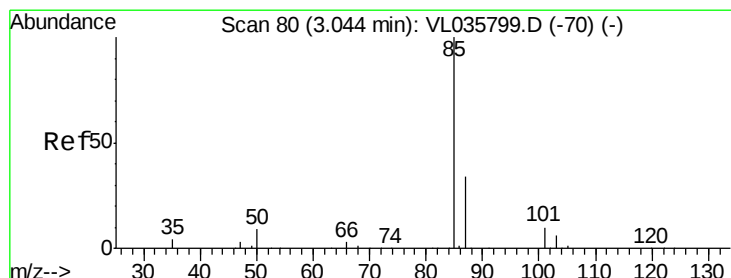
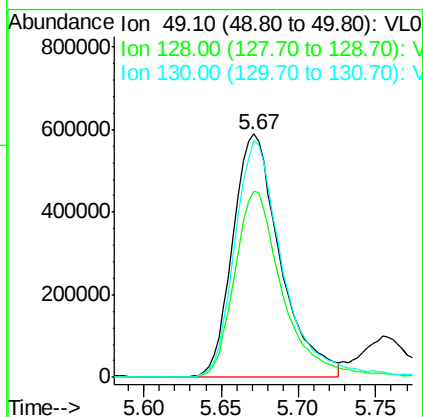
VSTDCCC010

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#2

Dichlorodifluoromethane

Concen: 7.012 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035938.D

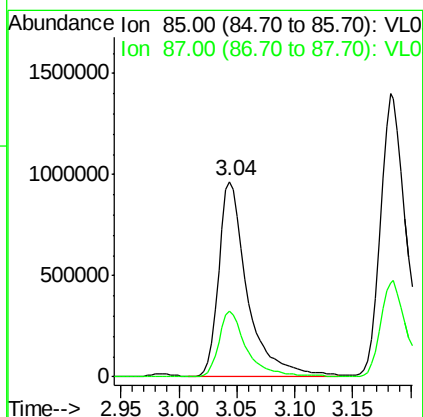
Acq: 16 Nov 2020 10:36

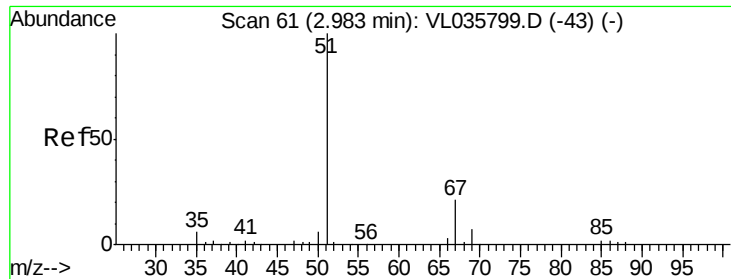
Tgt Ion: 85 Resp: 1653247

Ion Ratio Lower Upper

85 100

87 33.9 27.1 40.7





#3

Chlorodifluoromethane

Concen: 9.160 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Tot Ion: 51 Resp: 1373614

Ion Ratio Lower Upper

51 100

67 21.4 17.0 25.4

Instrument :

MSVOA_L

ClientSampleId :

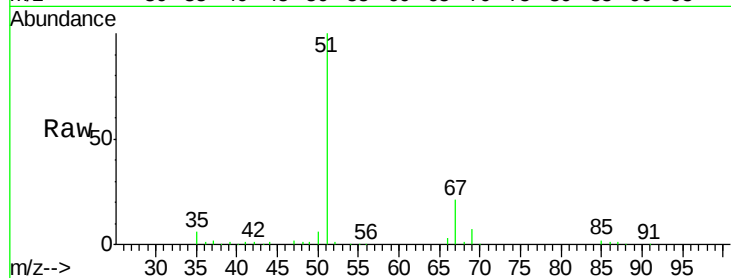
VSTDCCC010

Manual Integrations

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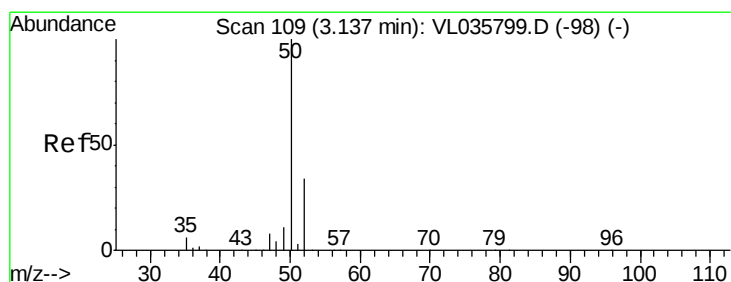
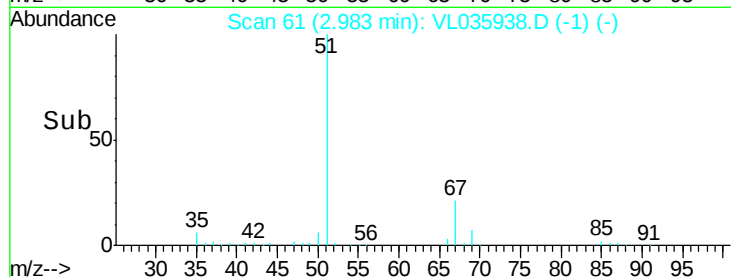
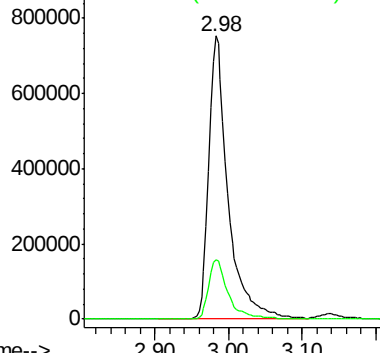
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.279 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035938.D

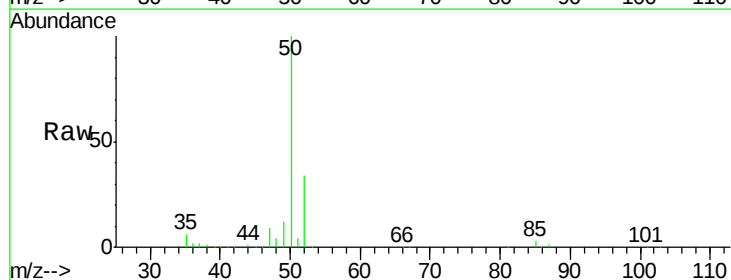
Acq: 16 Nov 2020 10:36

Tgt Ion: 50 Resp: 675978

Ion Ratio Lower Upper

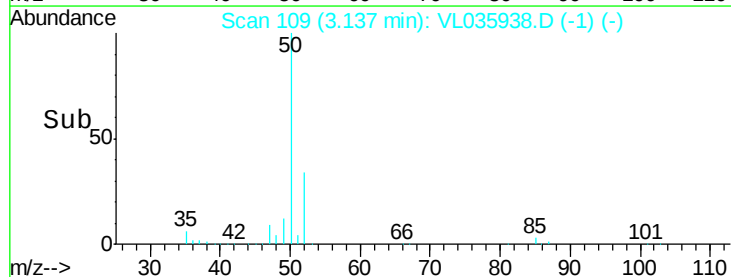
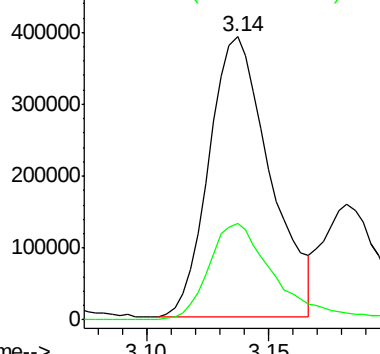
50 100

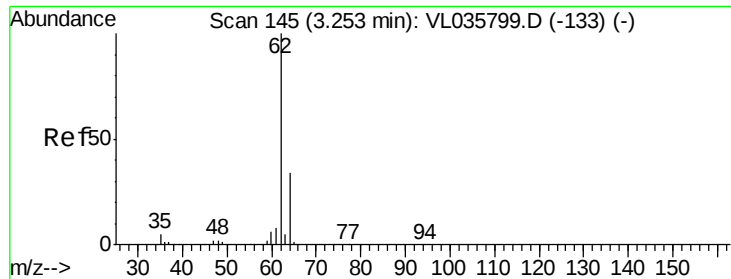
52 34.2 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.140 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 62 Resp: 848823

Ion Ratio Lower Upper

62 100

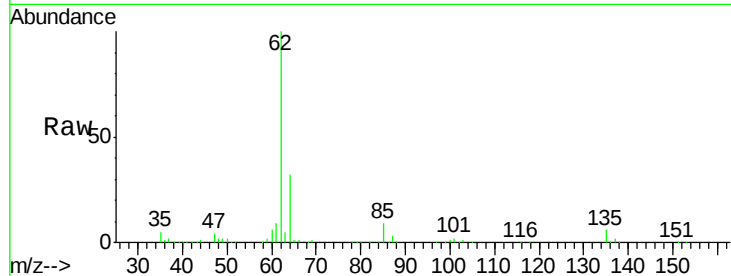
64 32.2 26.9 40.3

Manual Integrations

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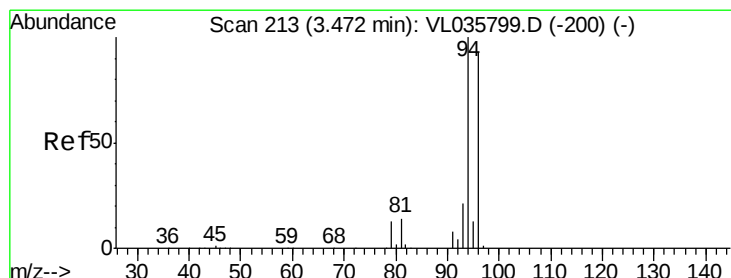
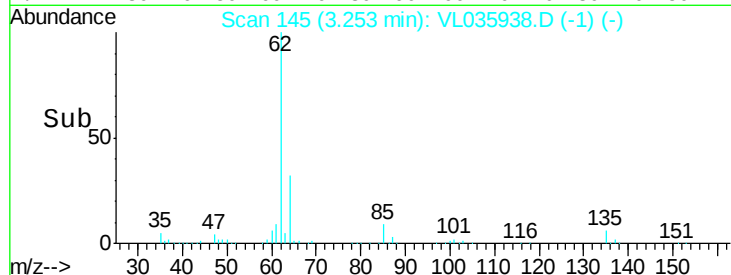
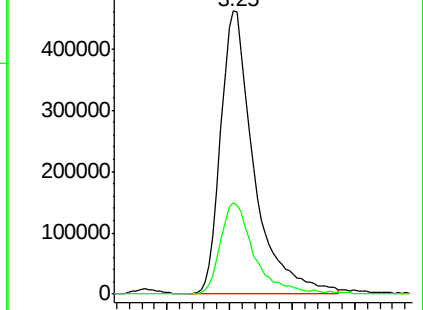
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.308 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035938.D

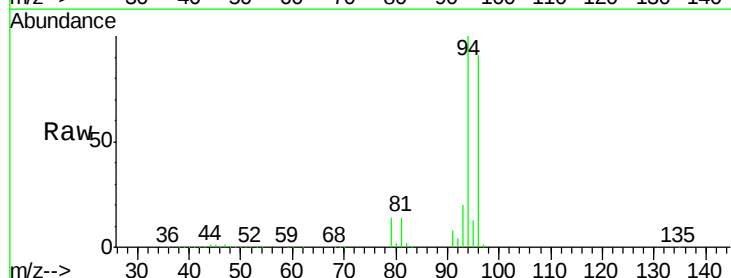
Acq: 16 Nov 2020 10:36

Tgt Ion: 94 Resp: 695235

Ion Ratio Lower Upper

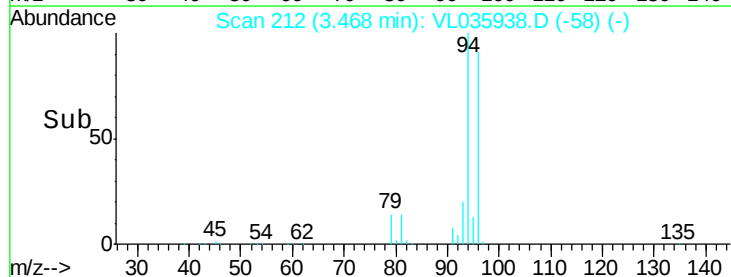
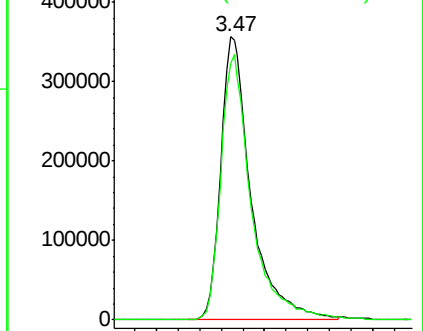
94 100

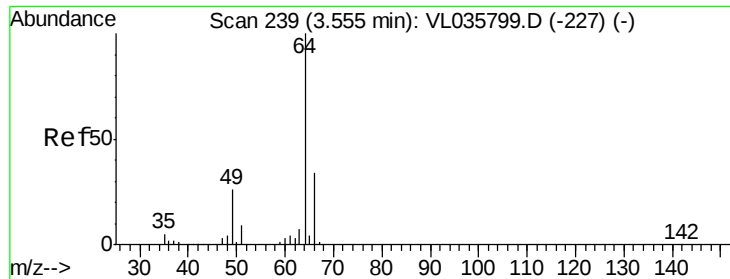
96 90.5 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.705 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 317192

Ion Ratio Lower Upper

64 100

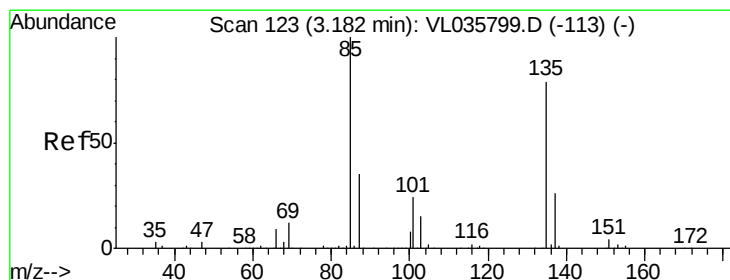
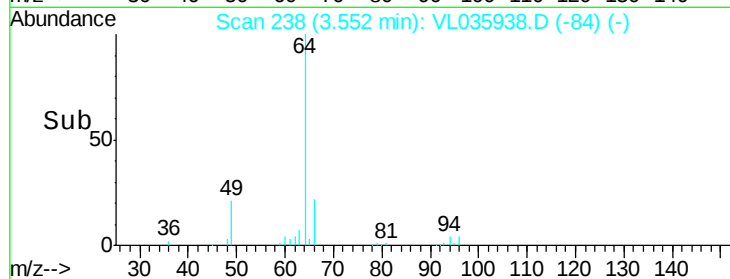
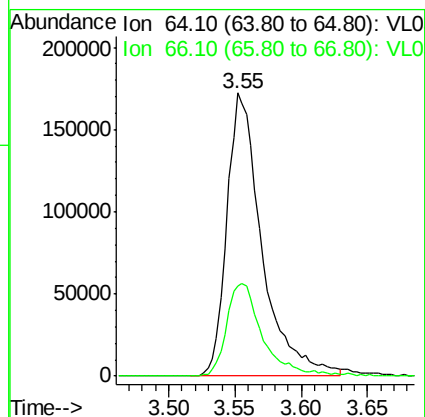
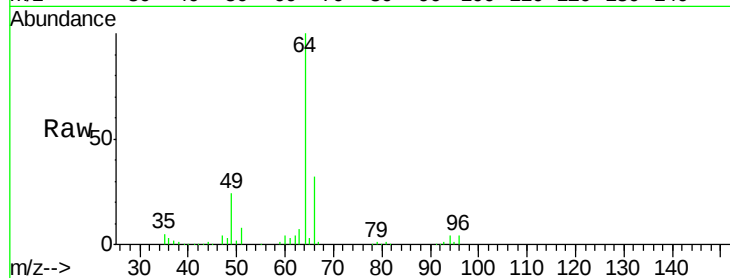
66 31.9 27.0 40.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.856 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035938.D

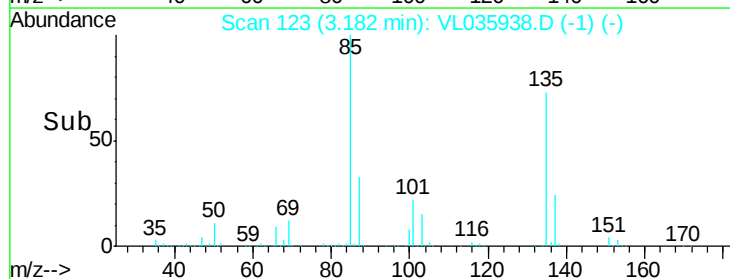
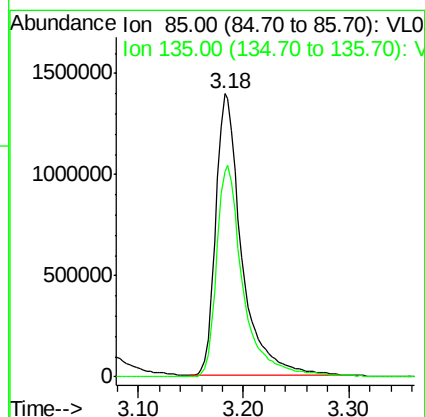
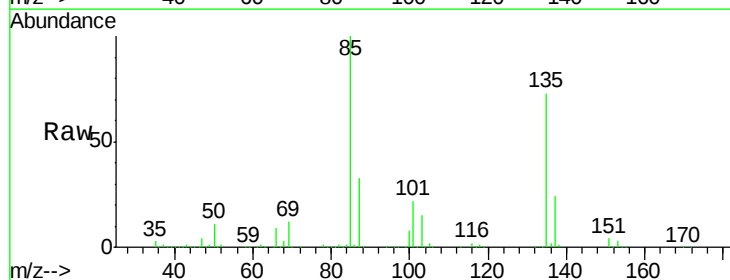
Acq: 16 Nov 2020 10:36

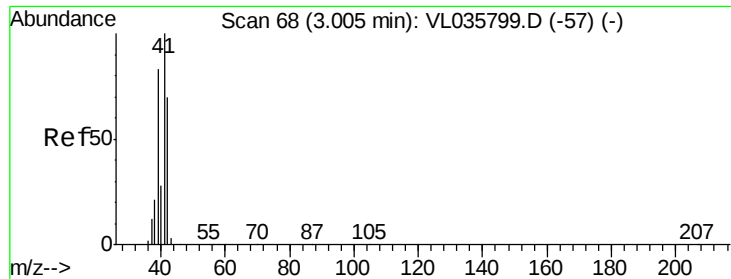
Tgt Ion: 85 Resp: 2389457

Ion Ratio Lower Upper

85 100

135 77.2 64.6 96.8





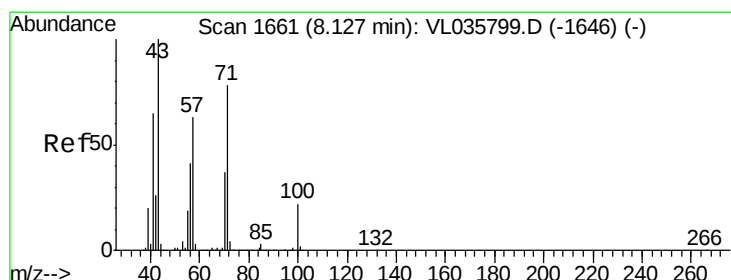
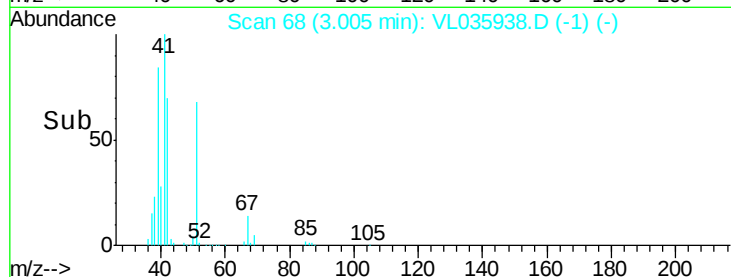
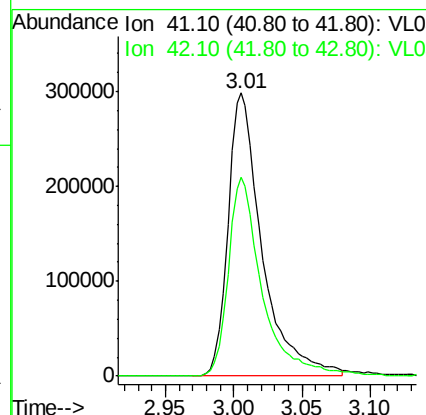
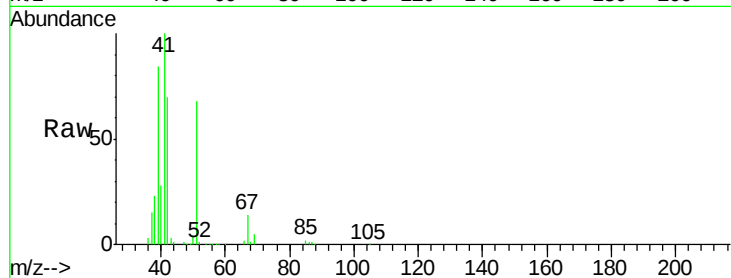
#9
 Propene
 Concen: 9.442 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 518284
 Ion Ratio Lower Upper
 41 100
 42 70.3 56.2 84.4

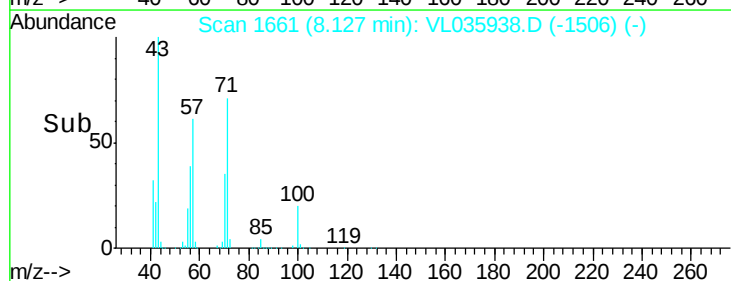
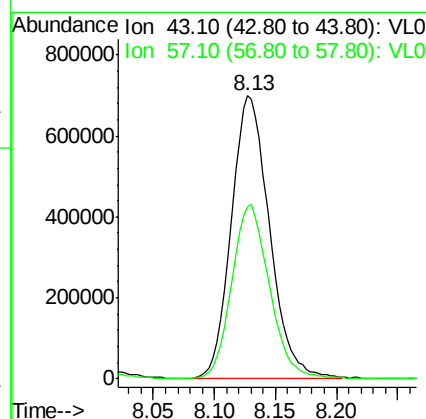
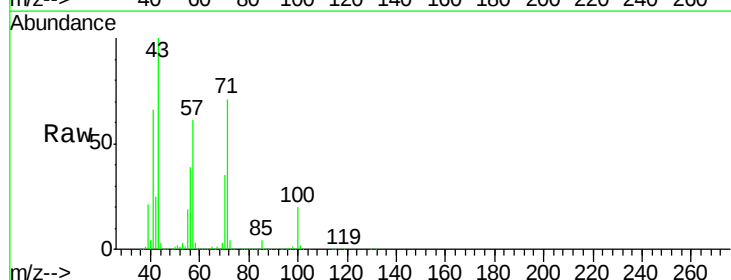
Manual Integrations
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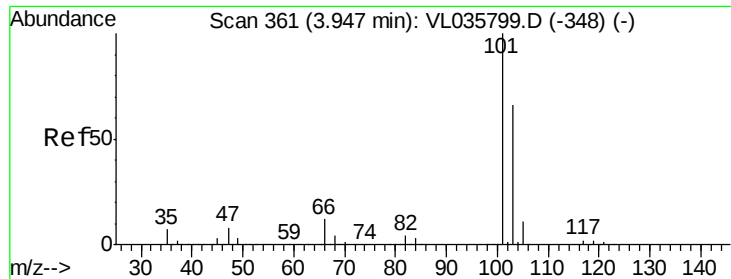
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 11/18/2020 9:06:21 AM



#10
 Heptane
 Concen: 9.978 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Tgt Ion: 43 Resp: 1512674
 Ion Ratio Lower Upper
 43 100
 57 61.6 50.0 75.0





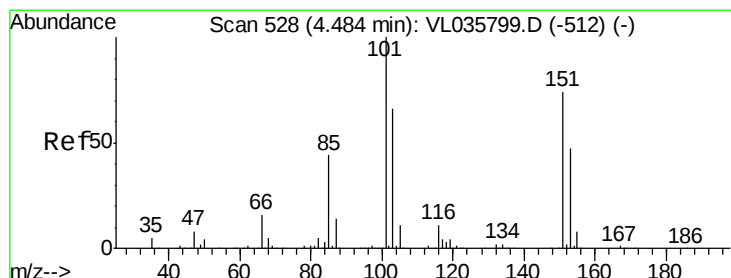
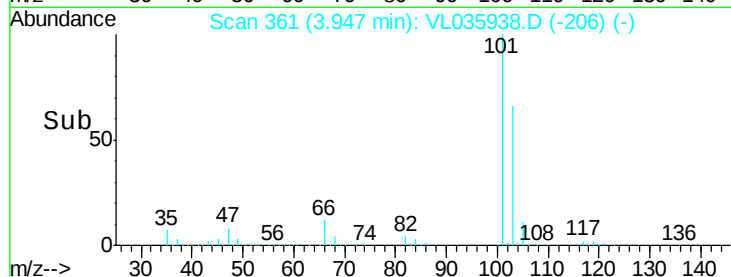
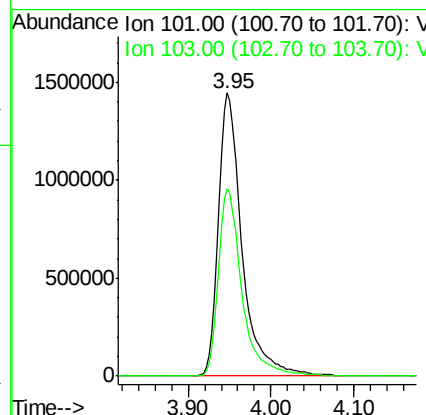
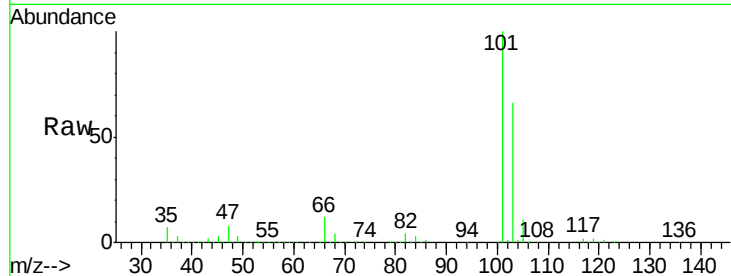
#11
 Trichlorofluoromethane
 Concen: 9.686 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2867614
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4

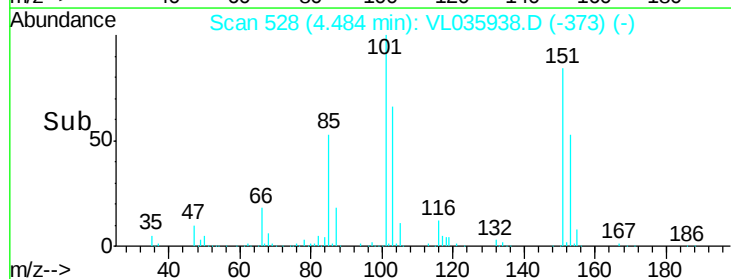
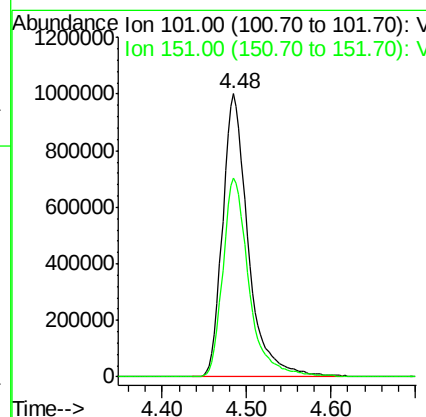
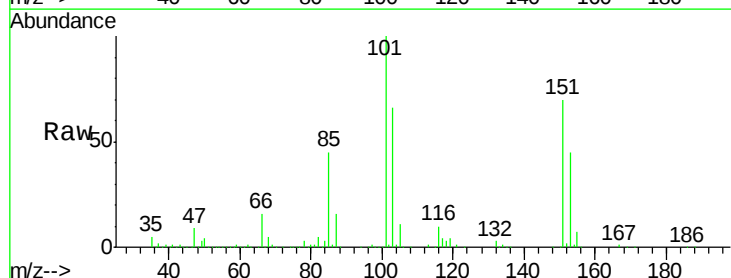
Manual Integrations
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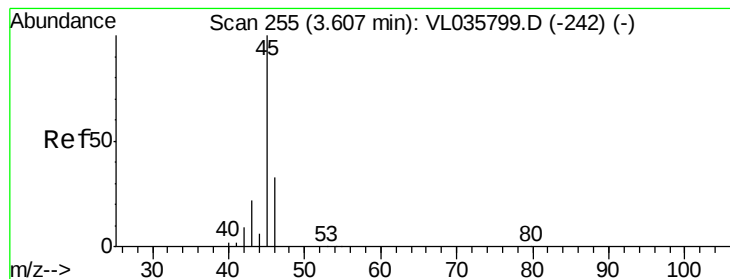
MMDadoda
 11/18/2020 9:06:21 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.610 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Tgt Ion:101 Resp: 2118111
 Ion Ratio Lower Upper
 101 100
 151 71.8 58.9 88.3





#13

Ethanol

Concen: 7.822 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 93142

Ion Ratio Lower Upper

45 100

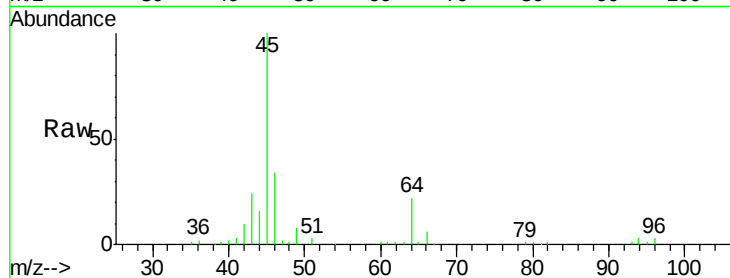
46 38.7 16.1 64.5

Manual Integrations

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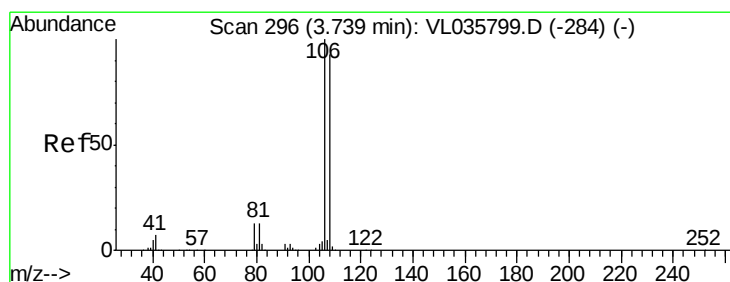
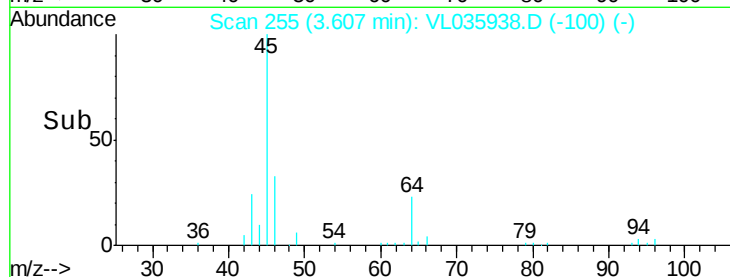
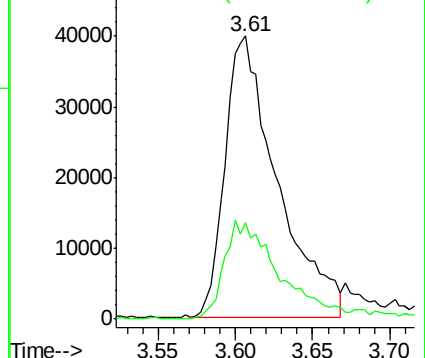
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 8.712 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

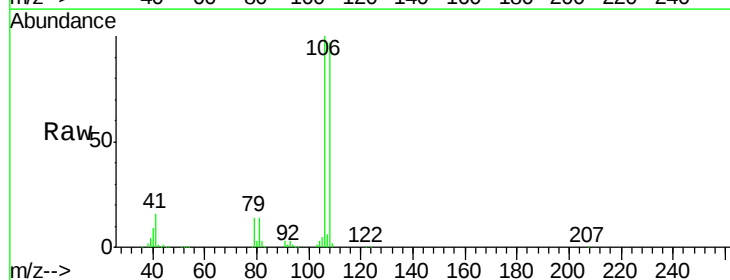
Tgt Ion: 108 Resp: 883727

Ion Ratio Lower Upper

108 100

106 107.9 85.3 127.9

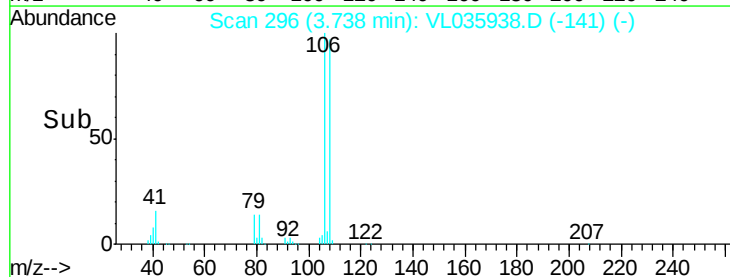
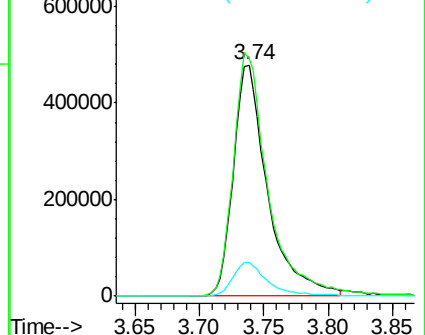
79 15.5 11.6 17.4

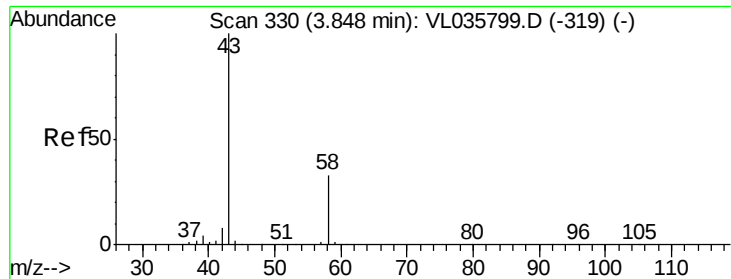


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.040 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1210209

Ion Ratio Lower Upper

43 100

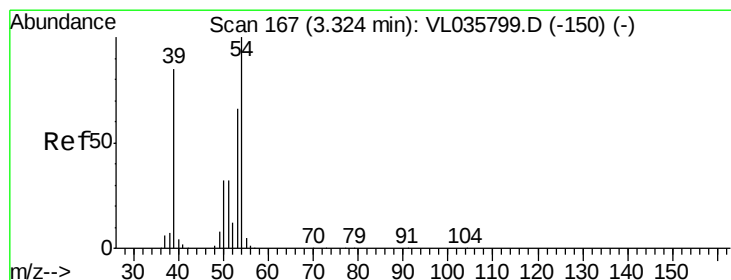
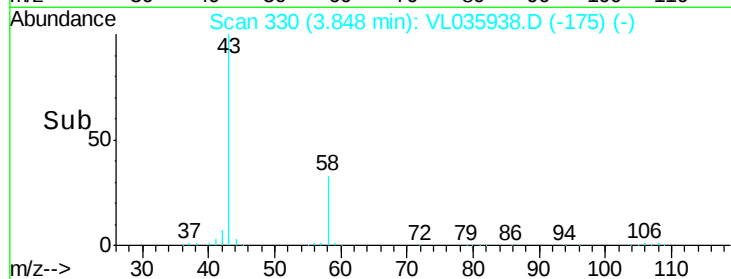
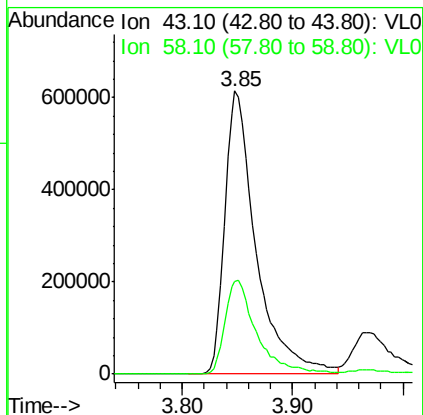
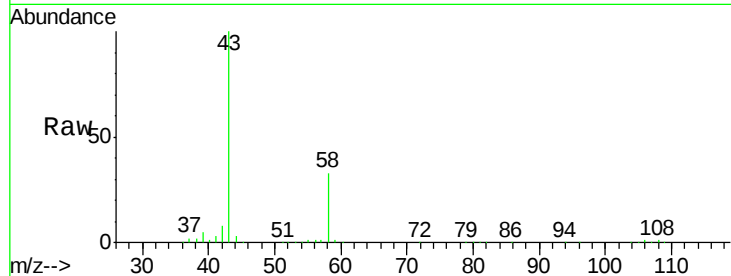
58 33.8 27.5 41.3

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.730 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL035938.D

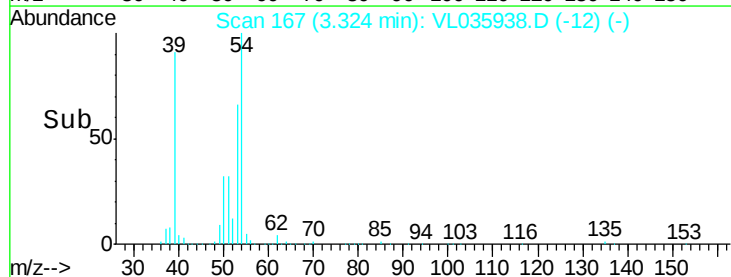
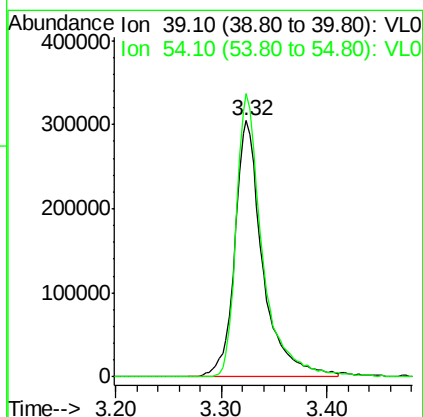
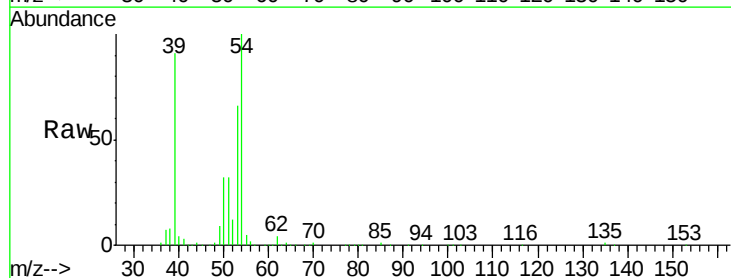
Acq: 16 Nov 2020 10:36

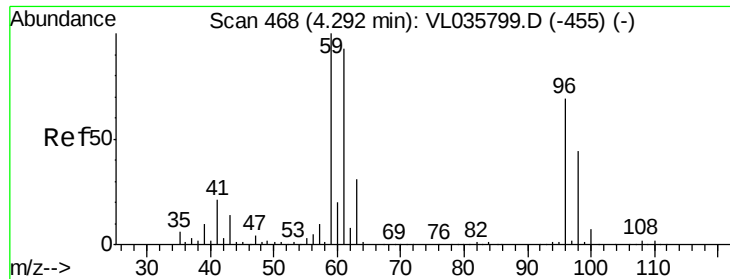
Tgt Ion: 39 Resp: 560859

Ion Ratio Lower Upper

39 100

54 104.8 87.1 130.7





#17

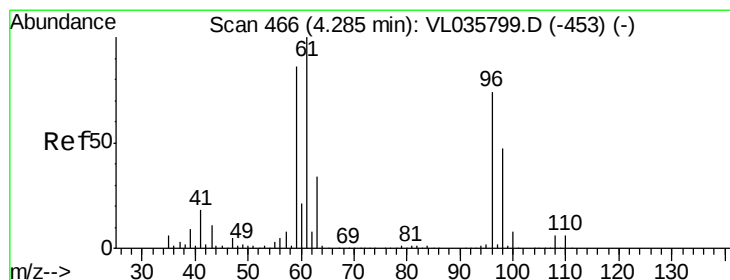
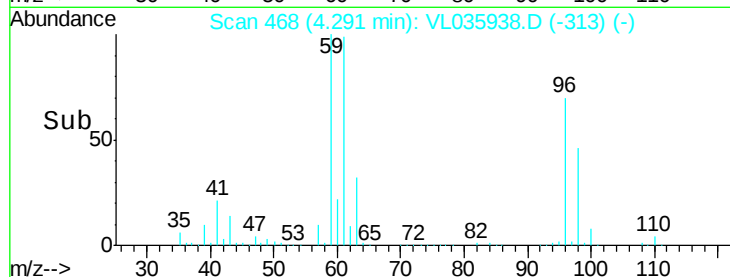
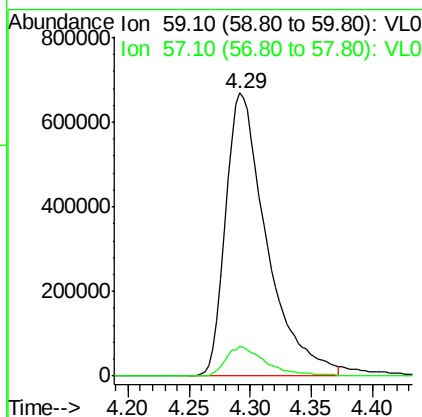
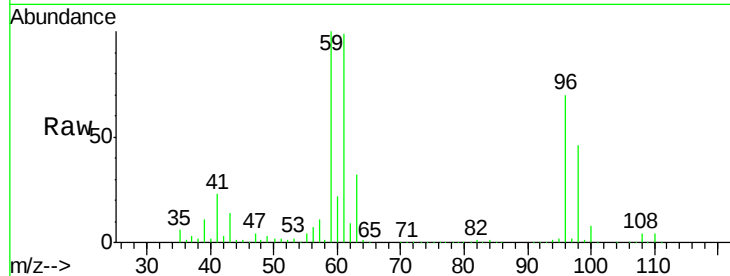
tert-Butyl alcohol
Concen: 8.895 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1578248
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4

Manual Integrations
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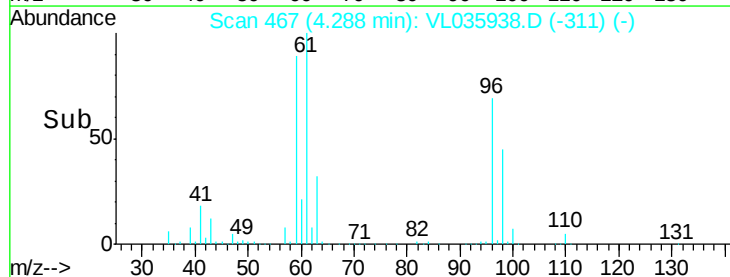
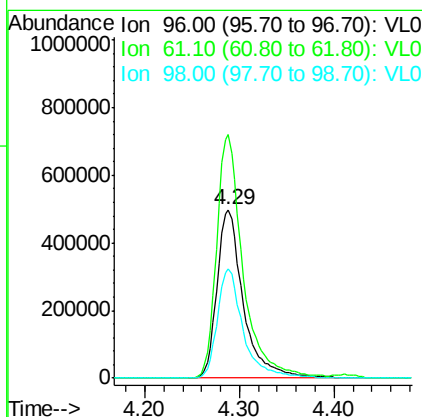
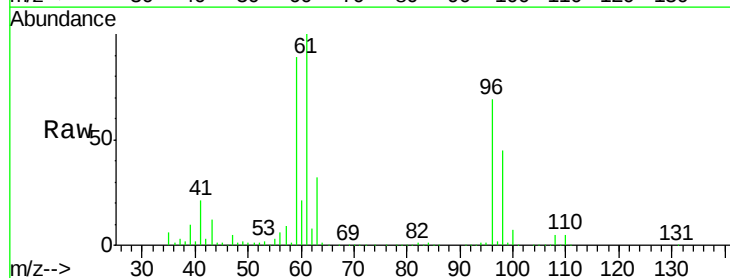
MMDadoda
11/18/2020 9:06:21 AM

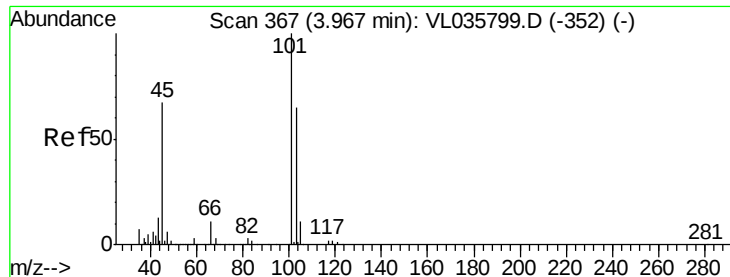


#18

1,1-Dichloroethene
Concen: 9.541 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion: 96 Resp: 965580
Ion Ratio Lower Upper
96 100
61 144.7 108.5 162.7
98 65.0 50.7 76.1





#19

Isopropyl Alcohol

Concen: 8.943 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 735808

Ion Ratio Lower Upper

45 100

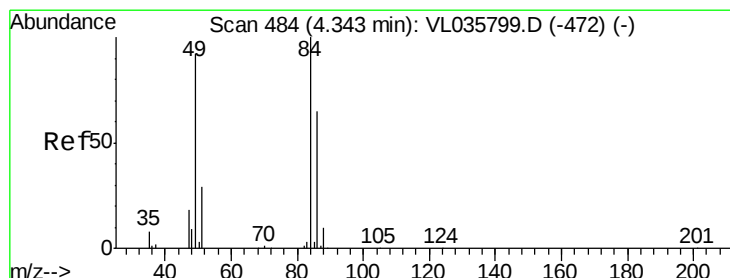
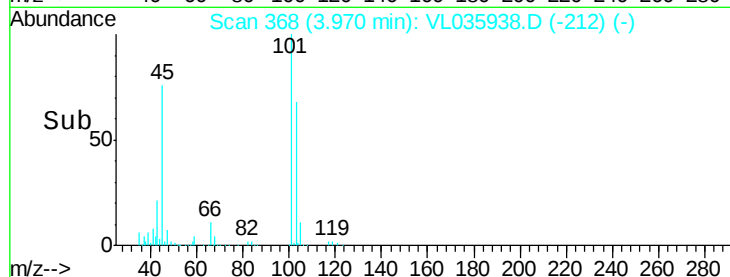
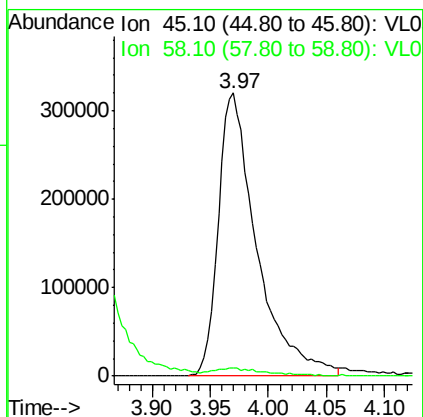
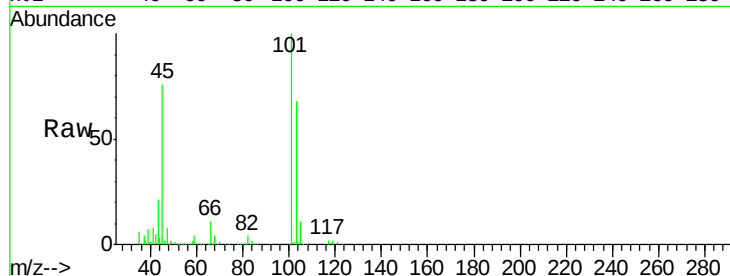
58 3.8 2.6 3.8#

Manual Integrations

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#20

Methylene Chloride

Concen: 8.605 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Tgt Ion: 84 Resp: 811002

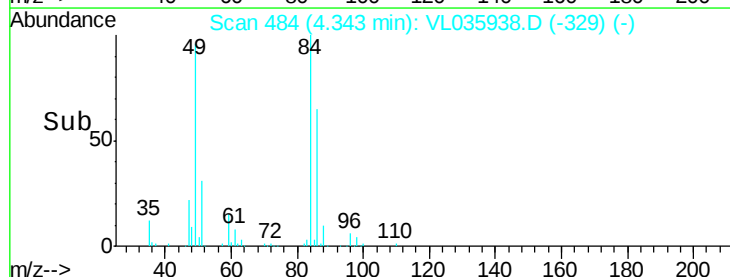
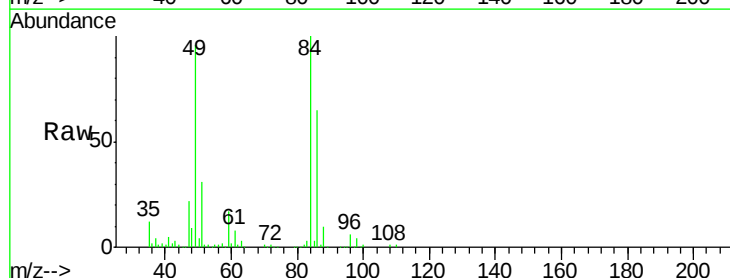
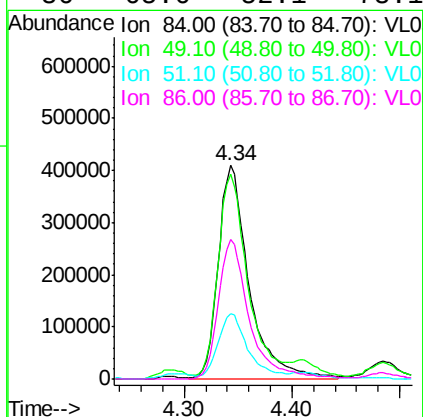
Ion Ratio Lower Upper

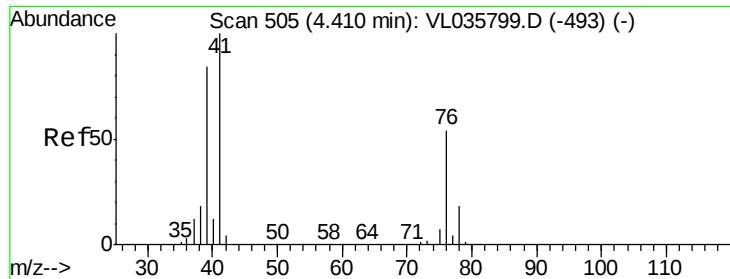
84 100

49 94.4 73.8 110.8

51 30.1 23.0 34.4

86 65.6 52.1 78.1





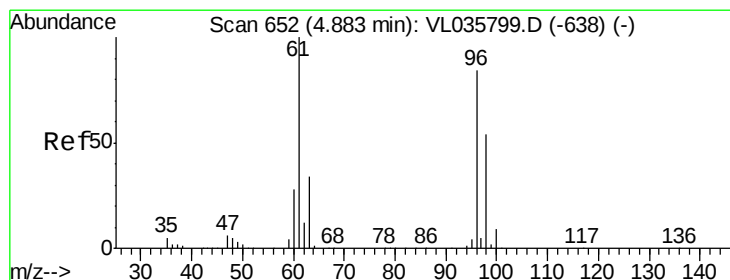
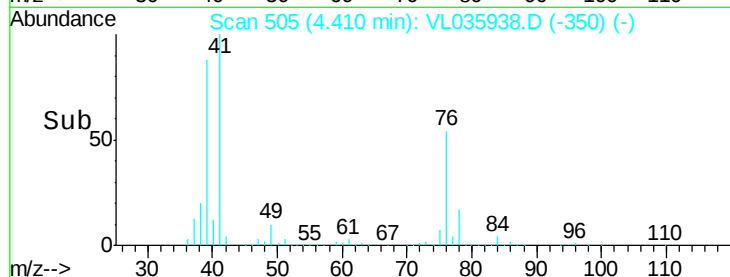
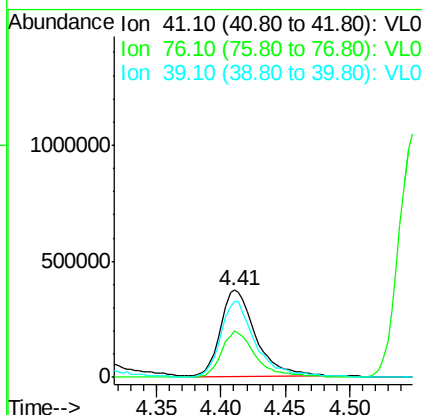
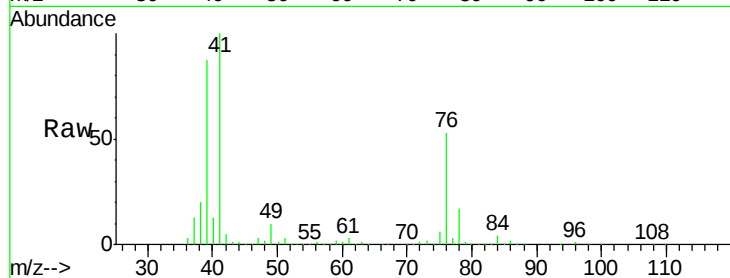
#21
Allvl Chloride
Concen: 9.752 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	52.7	42.6	63.8
39	86.2	67.0	100.4

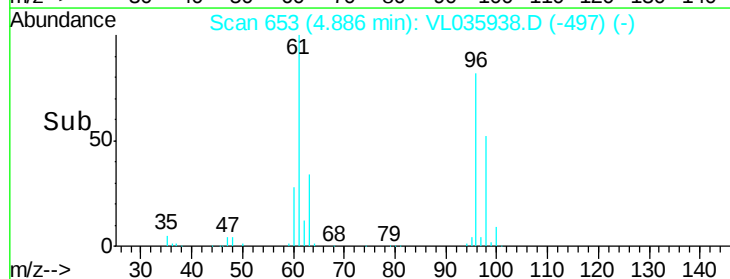
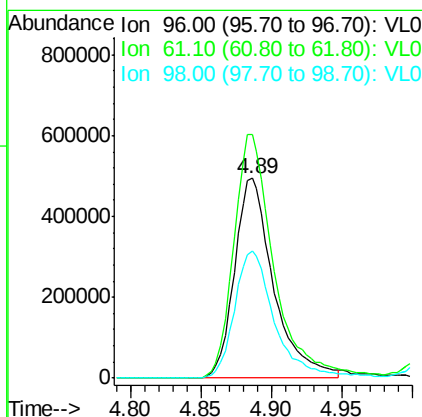
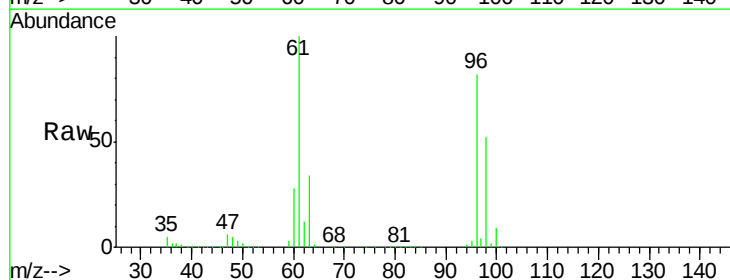
Manual Integrations
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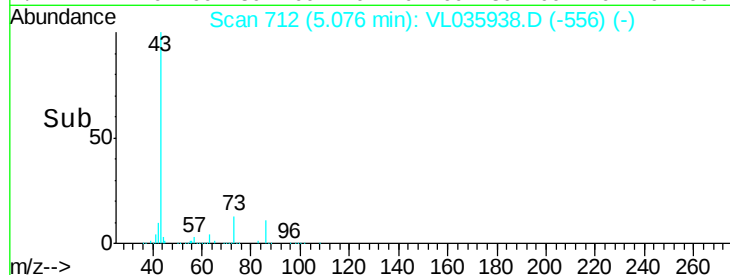
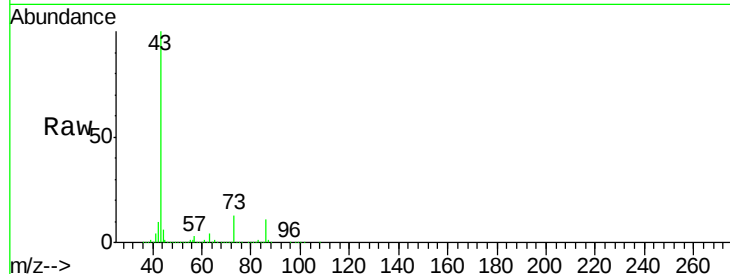
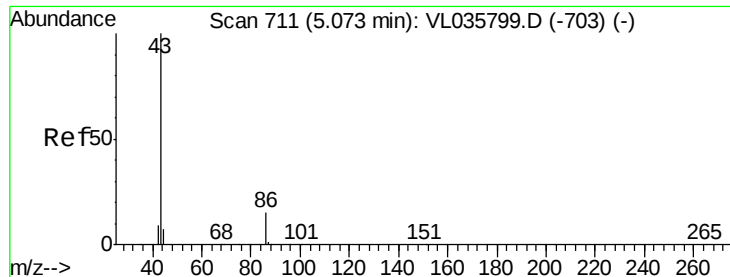
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#22
trans-1,2-Dichloroethene
Concen: 9.375 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

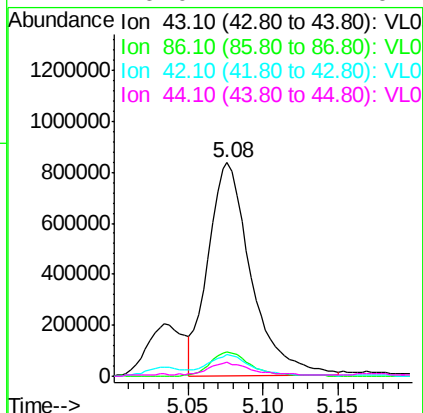
Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.7	95.4	143.0
98	63.6	51.8	77.6





#23
 Vinyl Acetate
 Concen: 8.928 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

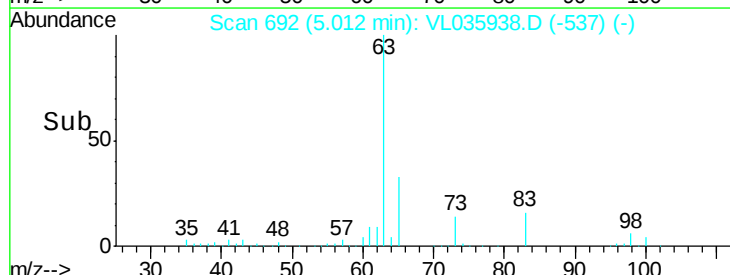
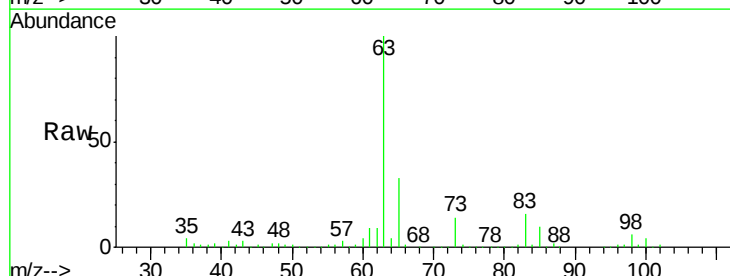
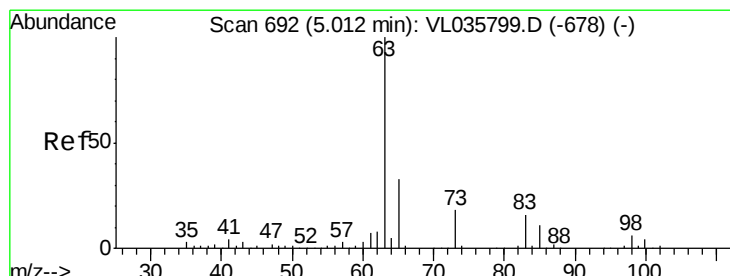
Tot Ion	43	Resp	1675505
Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.8	14.6
42	10.0	8.1	12.1
44	6.0	4.2	6.4



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

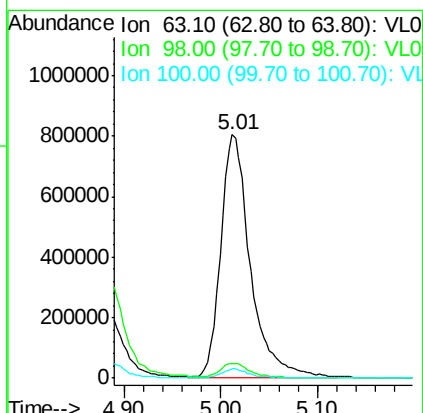
Manual Integrations
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MMDadoda
 11/18/2020 9:06:21 AM



#24
 1,1-Dichloroethane
 Concen: 9.478 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Tgt Ion	63	Resp	1694469
Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.0	9.2
100	3.7	1.8	5.4





#25

Ethyl Acetate

Concen: 9.673 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2551216

Ion Ratio Lower Upper

43 100

45 10.7 8.5 12.7

61 13.0 10.7 16.1

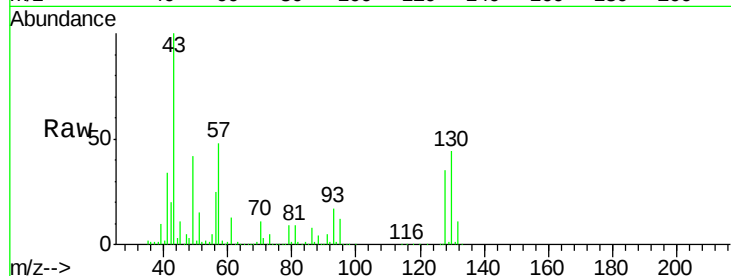
70 9.9 8.6 12.8

Manual Integrations

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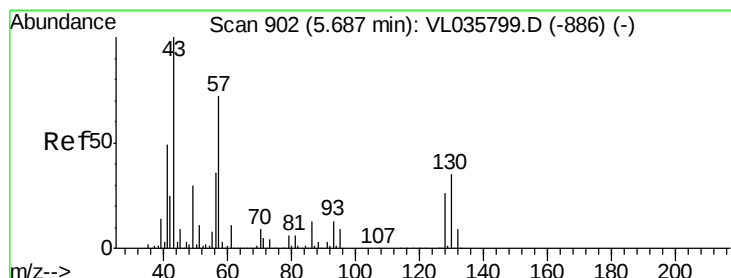
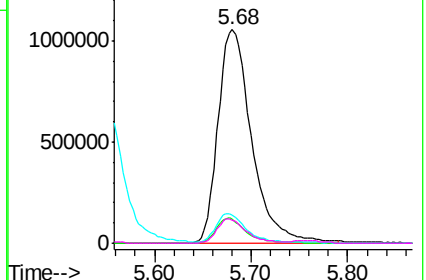
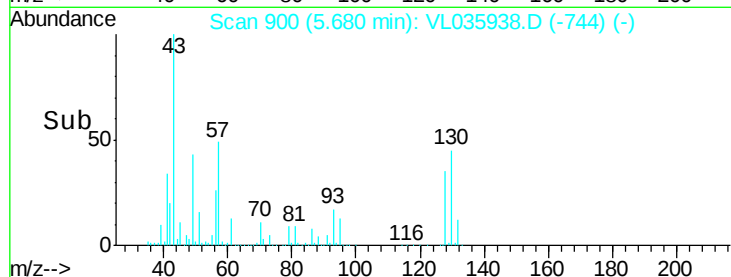


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.181 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Tgt Ion: 57 Resp: 1335383

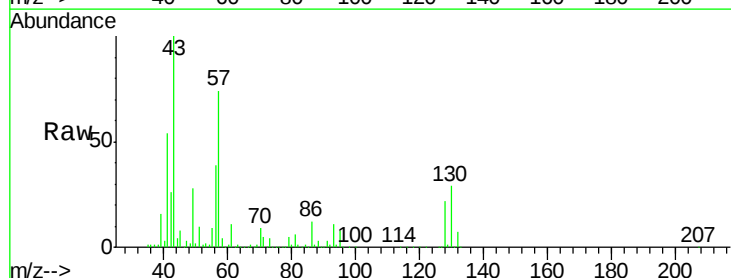
Ion Ratio Lower Upper

57 100

41 76.6 58.9 88.3

43 192.2 150.2 225.2

56 53.9 42.4 63.6

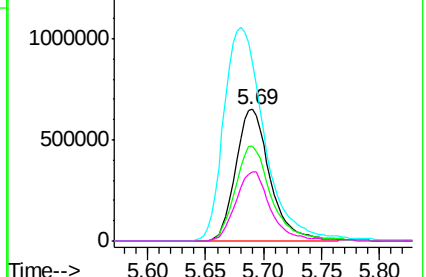
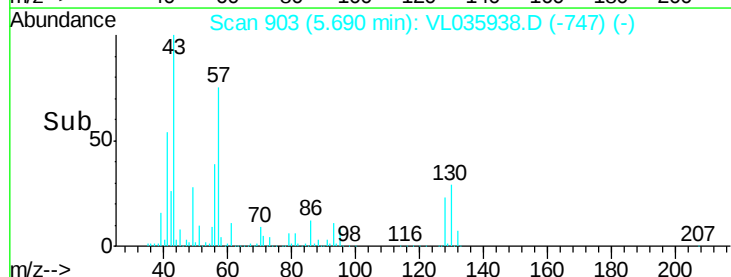


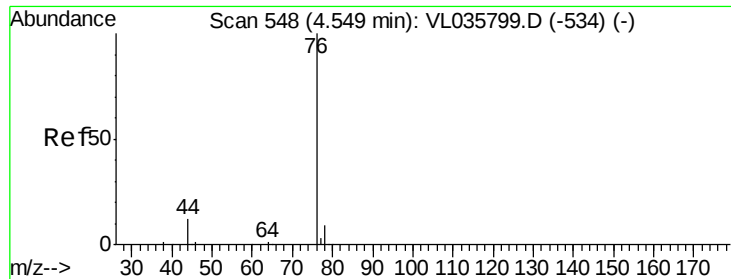
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.598 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2091768

Ion Ratio Lower Upper

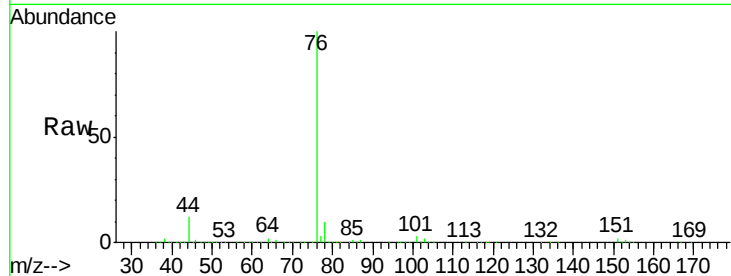
76 100

44 12.2 9.9 14.9

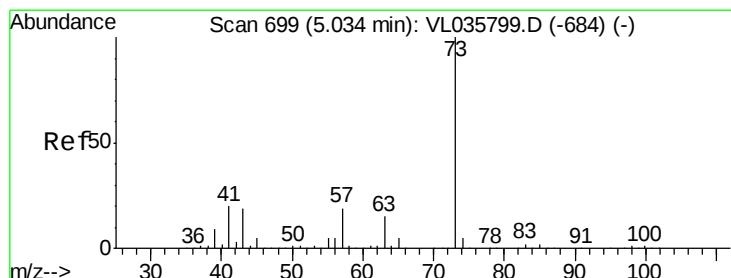
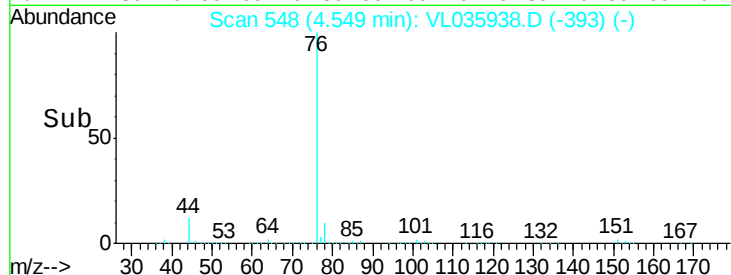
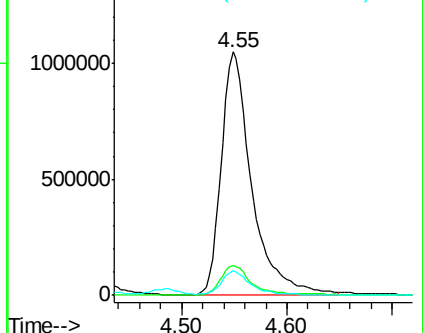
78 10.1 8.1 12.1

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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: 8.699 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL035938.D

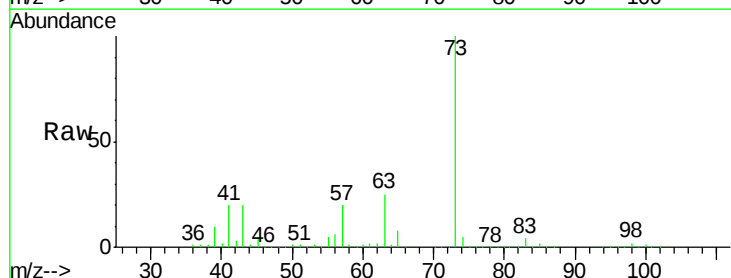
Acq: 16 Nov 2020 10:36

Tgt Ion: 73 Resp: 2272129

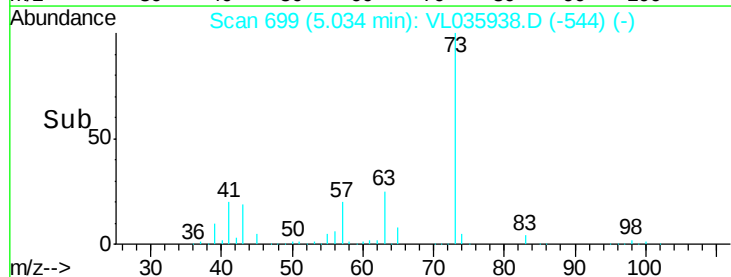
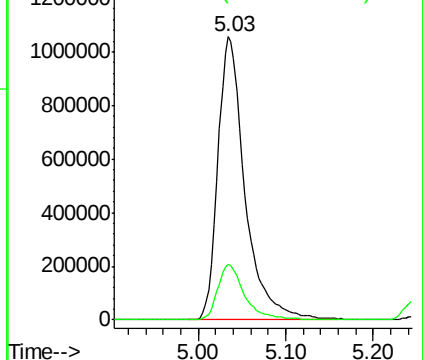
Ion Ratio Lower Upper

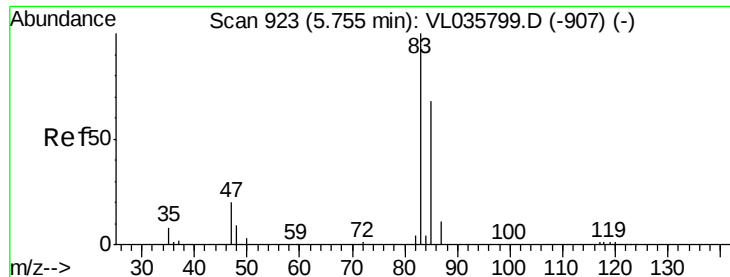
73 100

57 19.6 15.4 23.2



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





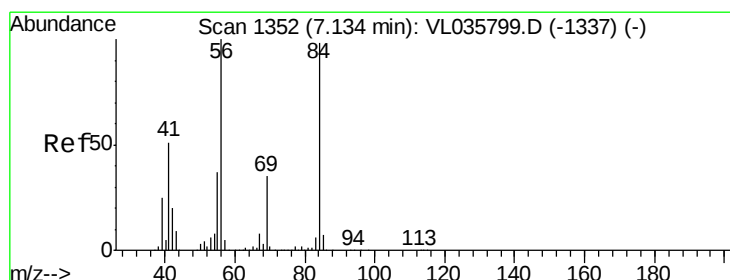
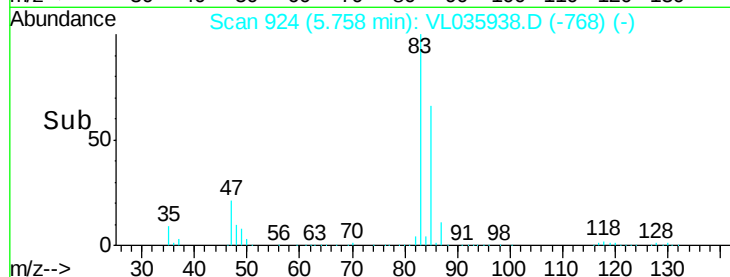
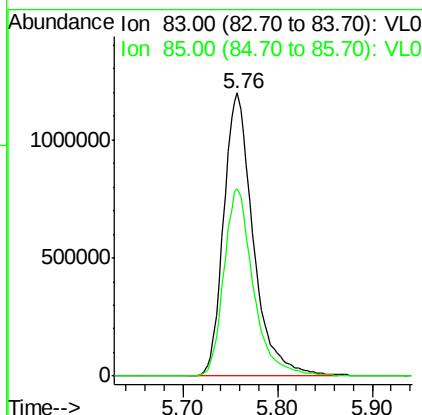
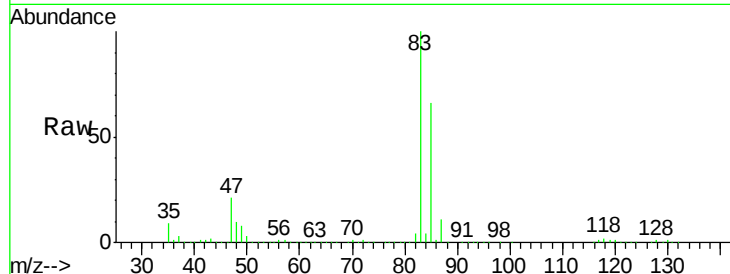
#29
Chloroform
Concen: 9.104 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2602810
Ion Ratio Lower Upper
83 100
85 65.8 54.6 81.8

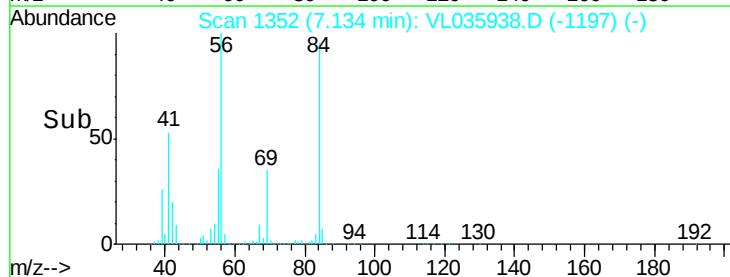
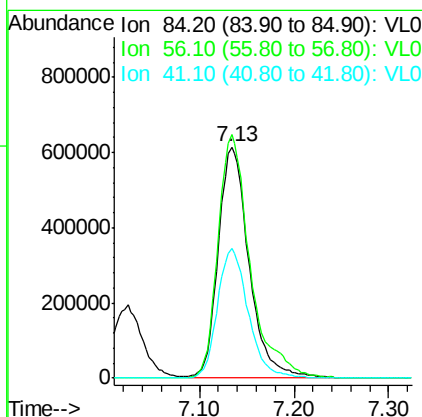
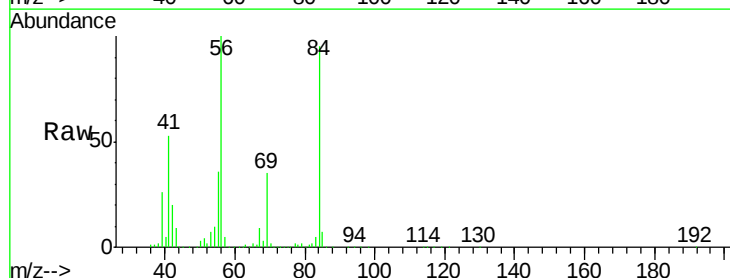
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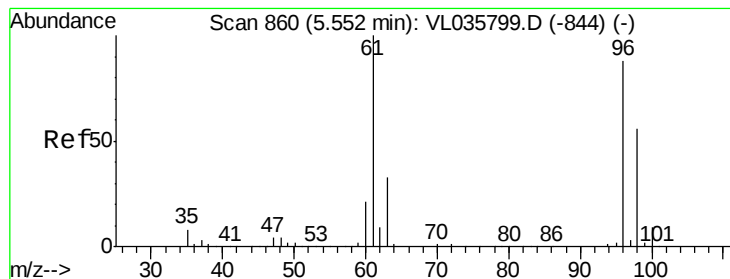
MMDadoda
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#30
Cyclohexane
Concen: 8.728 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion: 84 Resp: 1382753
Ion Ratio Lower Upper
84 100
56 111.0 86.4 129.6
41 56.8 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.207 ppbv

RT: 5.55 min Scan# 860

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 61 Resp: 1377701

Ion Ratio Lower Upper

61 100

96 85.1 70.3 105.5

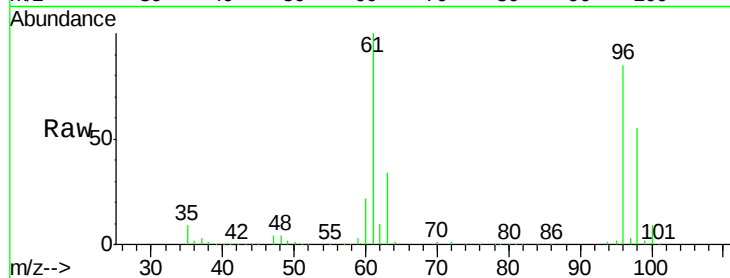
98 55.0 45.0 67.6

Manual Integrations

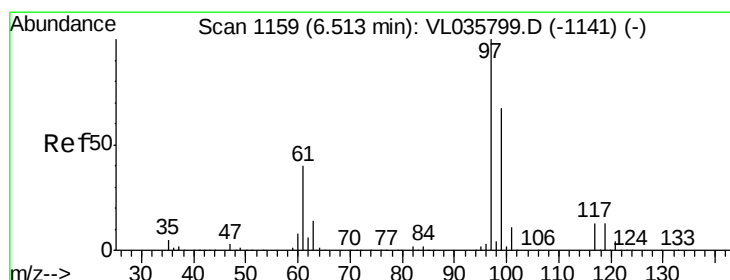
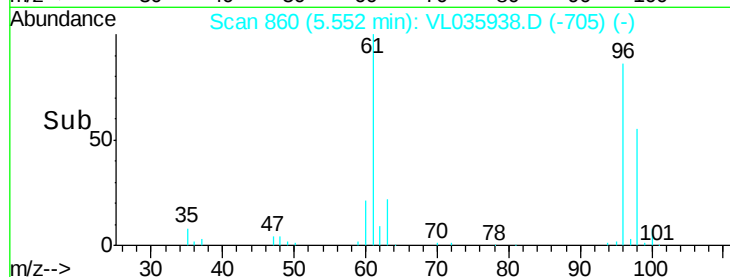
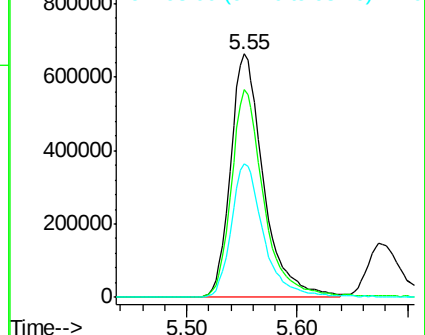
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.426 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

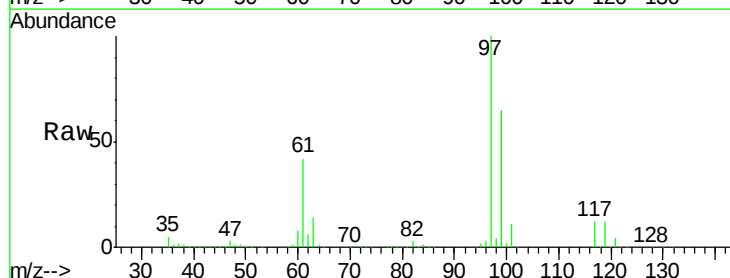
Tgt Ion: 97 Resp: 2513690

Ion Ratio Lower Upper

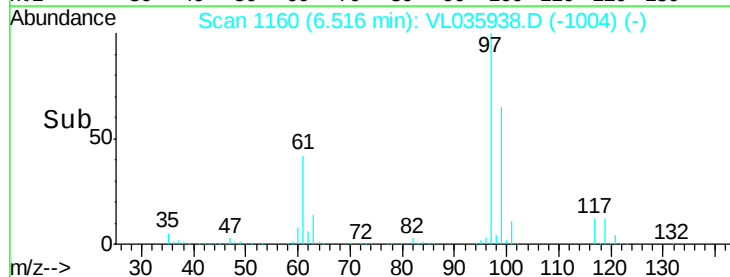
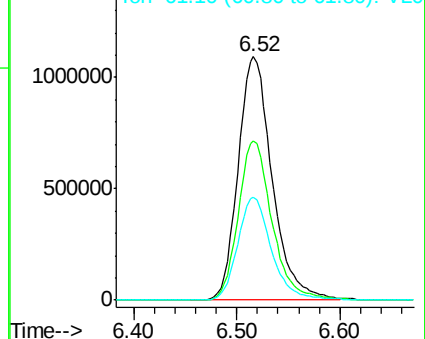
97 100

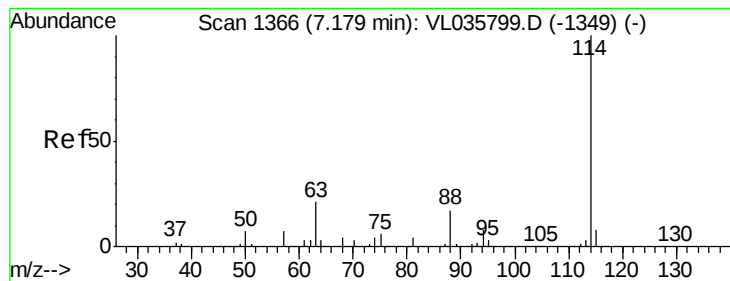
99 65.2 52.3 78.5

61 42.1 32.0 48.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:114 Resp: 4578159

Ion Ratio Lower Upper

114 100

63 21.5 16.1 24.1

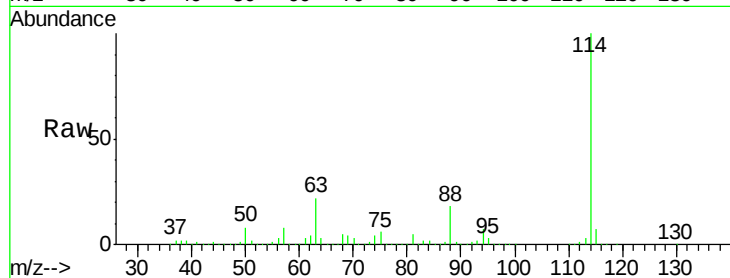
88 17.7 13.7 20.5

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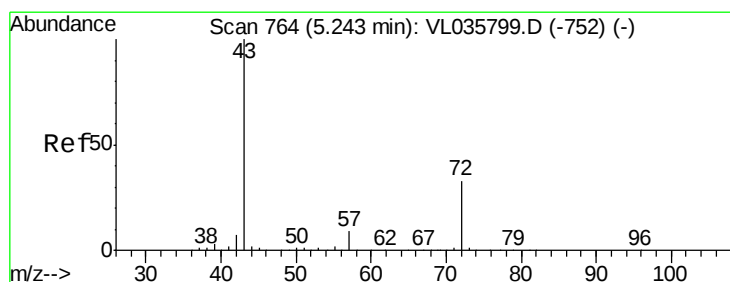
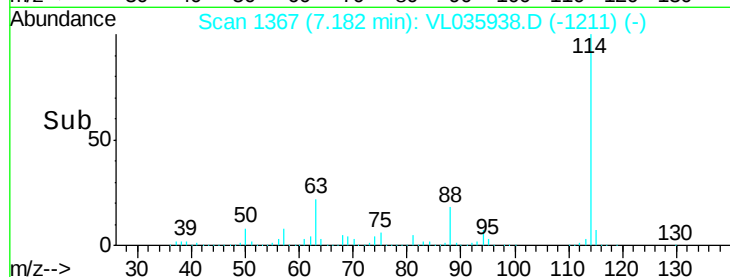
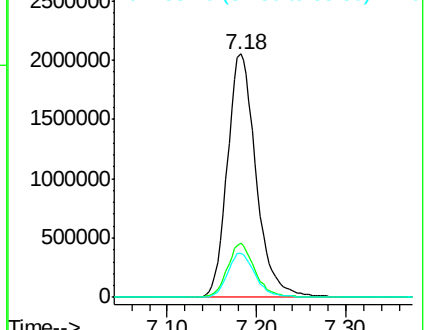
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.905 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.00 min

Lab File: VL035938.D

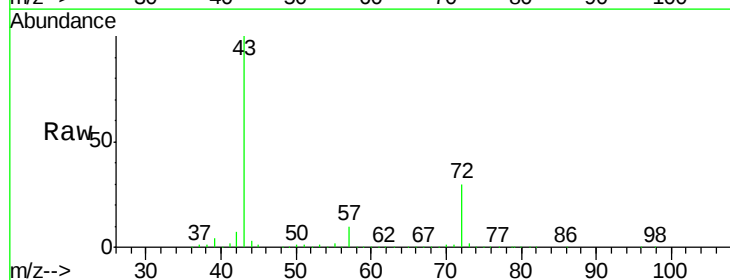
Acq: 16 Nov 2020 10:36

Tgt Ion: 43 Resp: 1620225

Ion Ratio Lower Upper

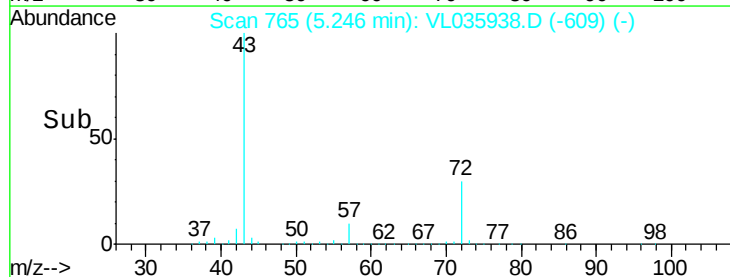
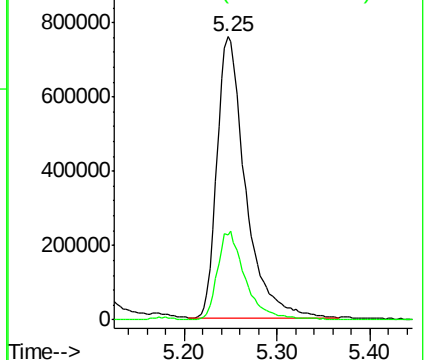
43 100

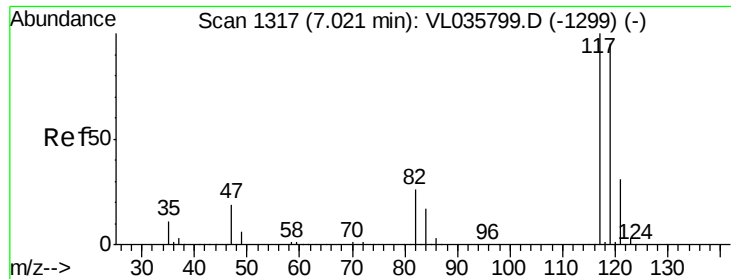
72 31.0 26.5 39.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.143 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2480965

Ion Ratio Lower Upper

117 100

119 96.7 75.6 113.4

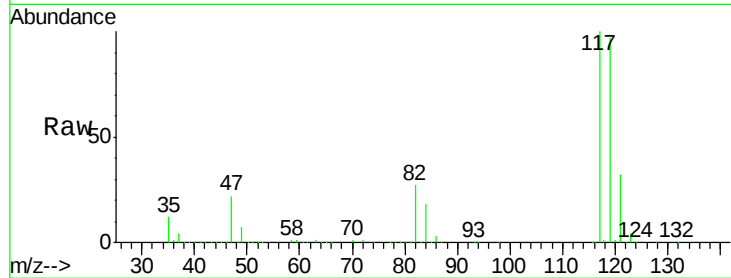
121 32.1 25.1 37.7

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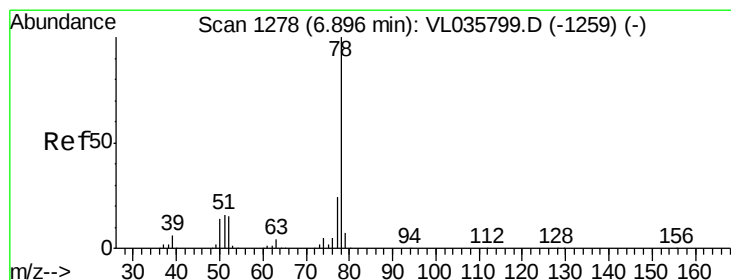
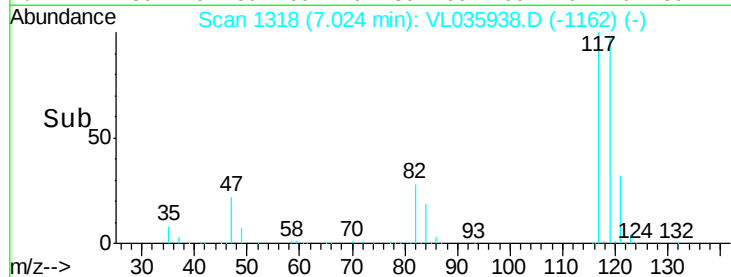
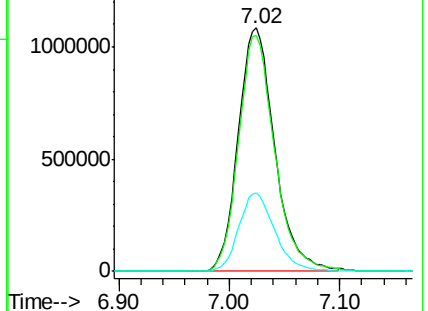
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.508 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

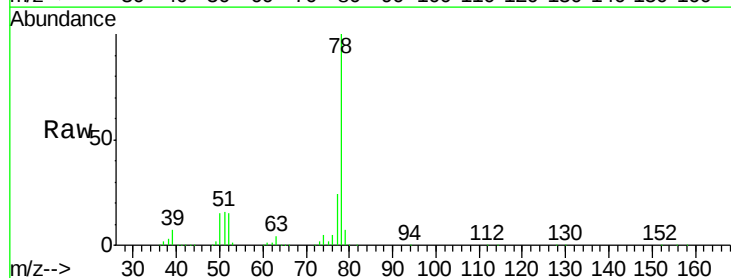
Tgt Ion: 78 Resp: 3236203

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

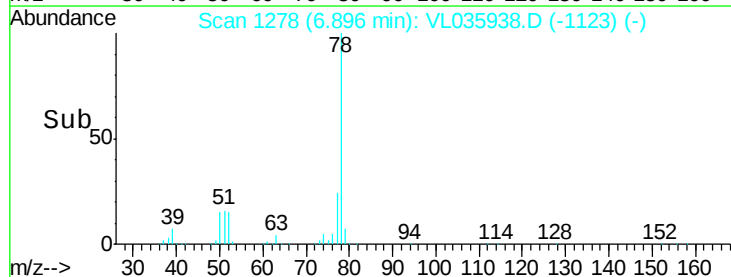
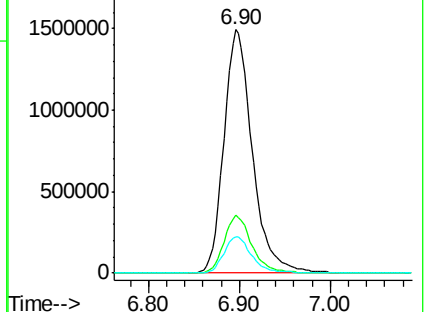
50 14.9 11.4 17.2

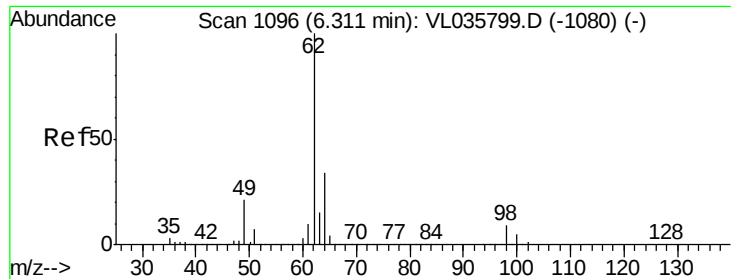


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





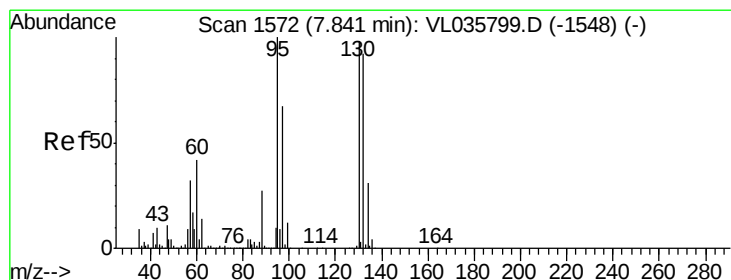
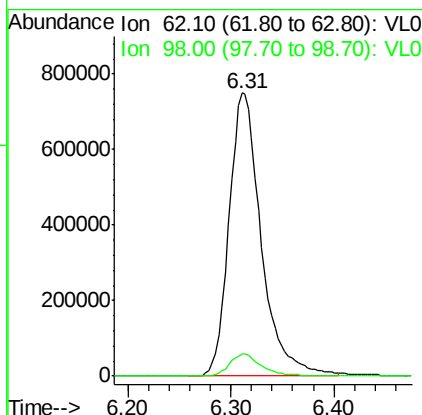
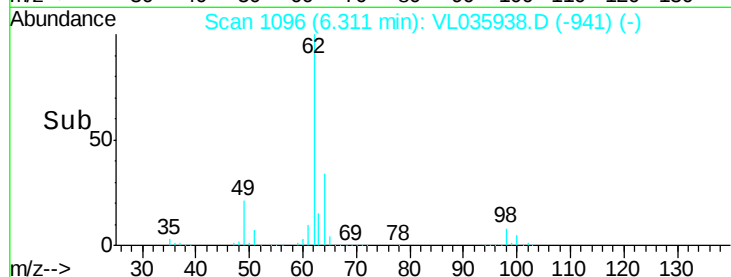
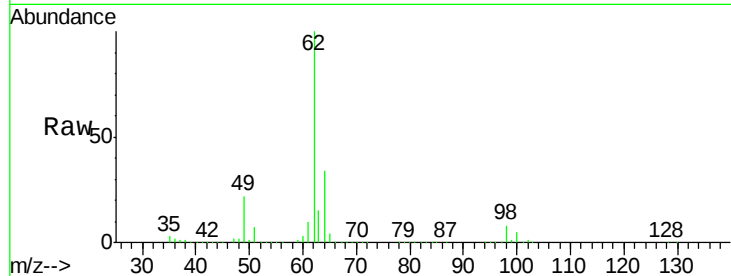
#37
 1,2-Dichloroethane
 Concen: 10.582 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1631715
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.9 10.3

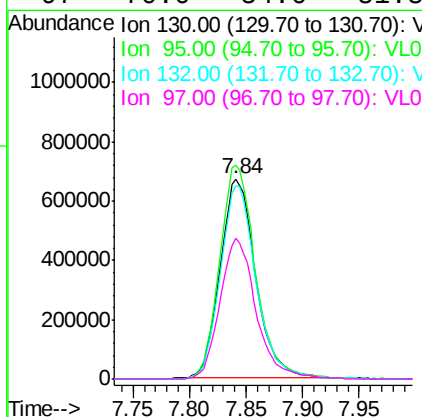
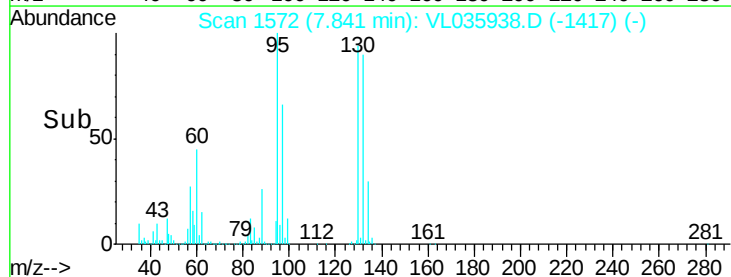
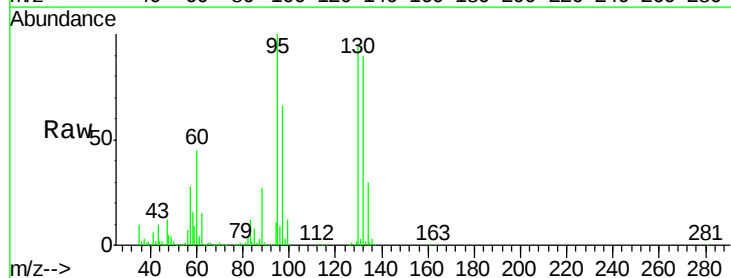
Manual Integrations
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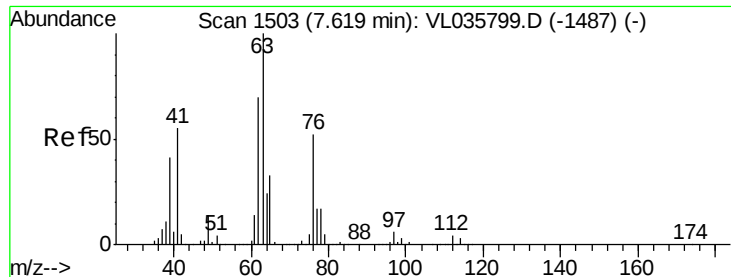
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#38
 Trichloroethene
 Concen: 8.811 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Tgt Ion:130 Resp: 1464843
 Ion Ratio Lower Upper
 130 100
 95 106.5 81.6 122.4
 132 96.4 75.1 112.7
 97 70.0 54.6 81.8





#39

1,2-Dichloropropane

Concen: 10.087 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1155847

Ion Ratio Lower Upper

63 100

41 57.1 43.8 65.6

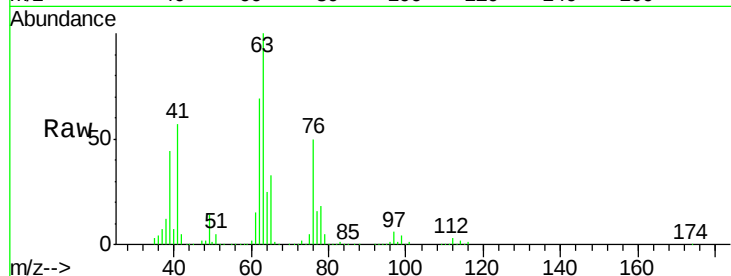
62 69.0 56.2 84.2

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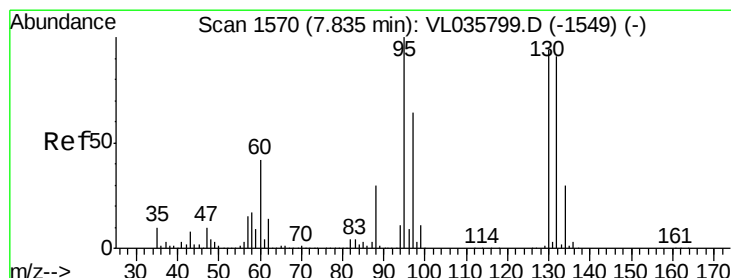
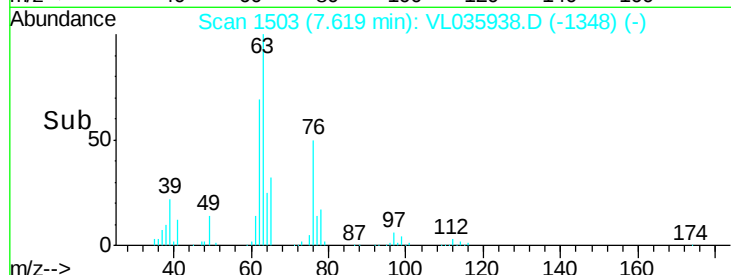
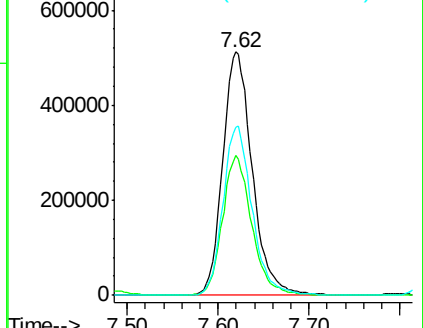
11/18/2020 9:06:21 AM



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: 9.496 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Tgt Ion: 88 Resp: 515724

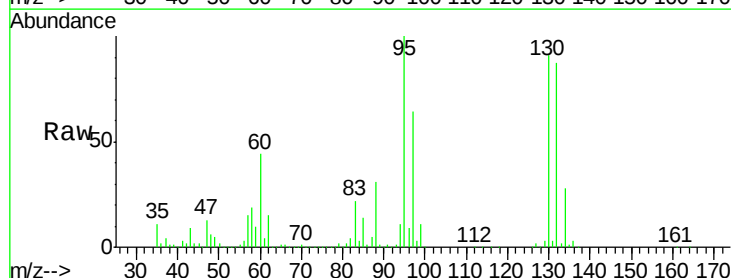
Ion Ratio Lower Upper

88 100

58 103.5 76.2 114.2

43 171.5 123.1 184.7

57 886.8 661.0 991.4

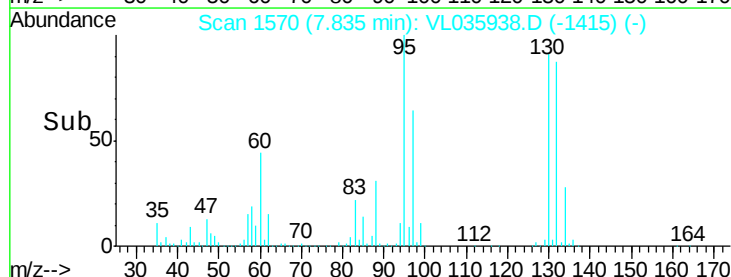
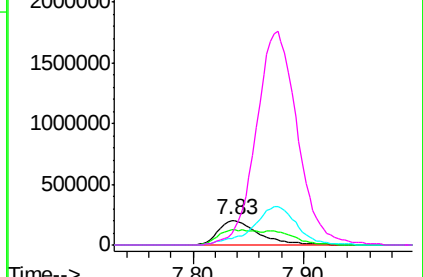


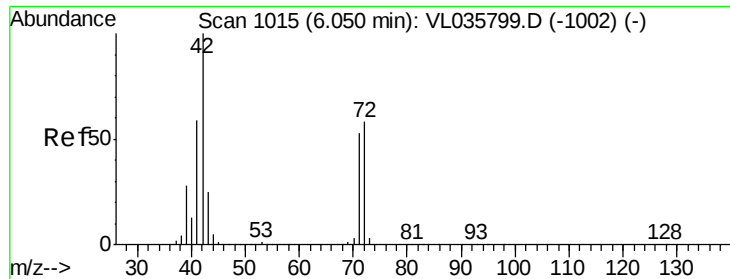
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.136 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

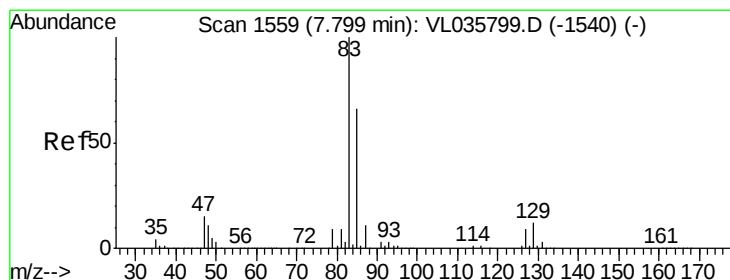
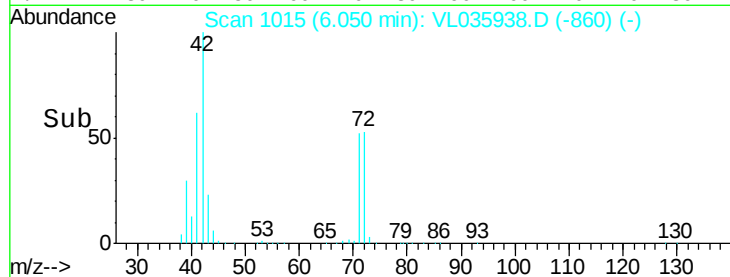
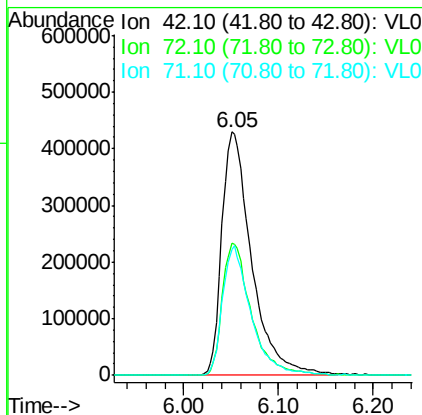
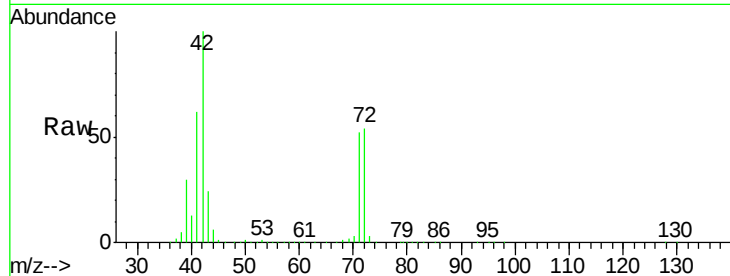
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	940022
Ion Ratio	Lower	Upper	
42	100		
72	53.4	45.4	68.0
71	51.3	43.4	65.2

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#42

Bromodichloromethane

Concen: 10.256 ppbv

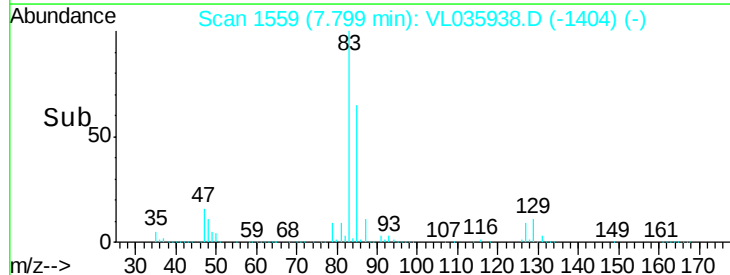
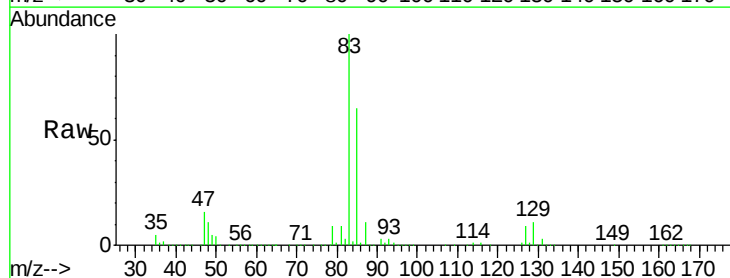
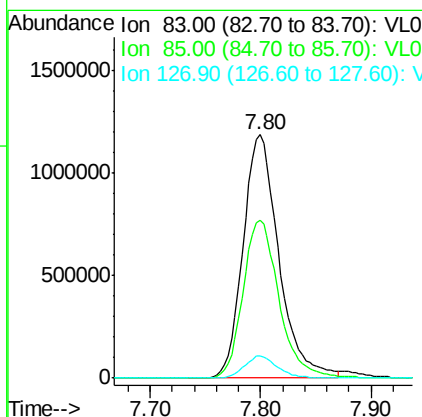
RT: 7.80 min Scan# 1559

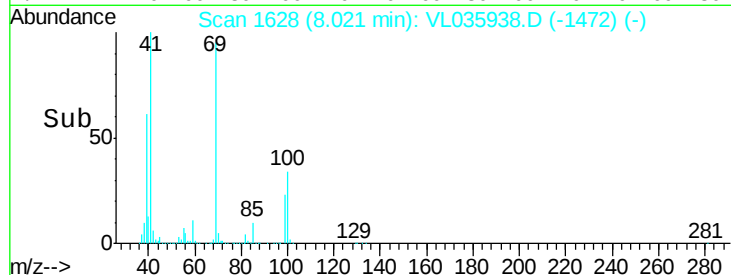
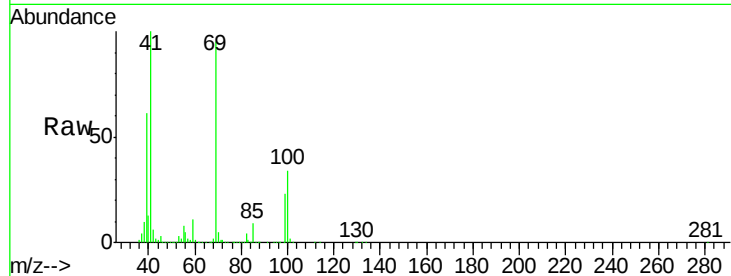
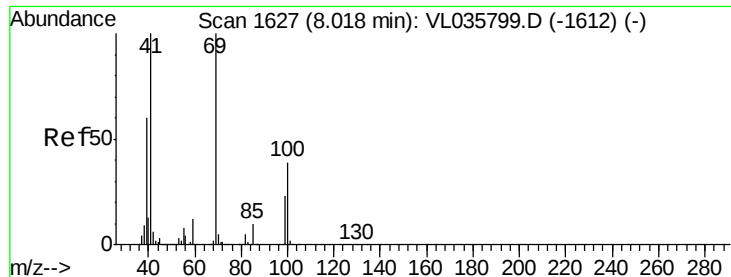
Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Tgt Ion:	83	Resp:	2668256
Ion Ratio	Lower	Upper	
83	100		
85	64.8	53.1	79.7
127	9.0	7.3	10.9





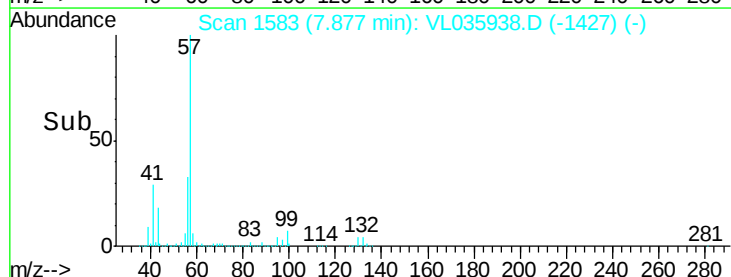
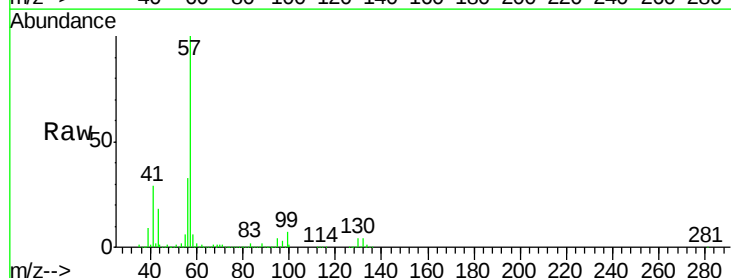
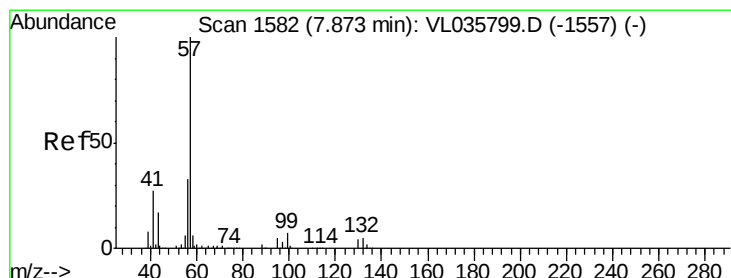
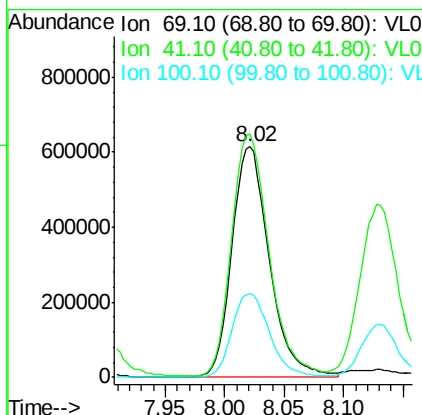
#43
Methvl Methacrylate
Concen: 10.336 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tot Ion: 69 Resp: 1341866
Ion Ratio Lower Upper
69 100
41 106.4 81.1 121.7
100 36.6 31.0 46.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

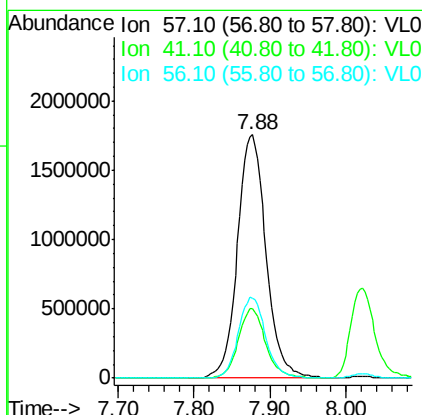
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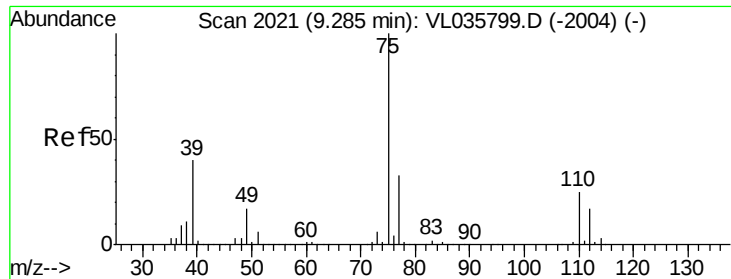
MMDadoda
11/18/2020 9:06:21 AM



#44
2,2,4-Trimethylpentane
Concen: 10.156 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion: 57 Resp: 4574213
Ion Ratio Lower Upper
57 100
41 27.3 21.0 31.4
56 31.9 25.4 38.0





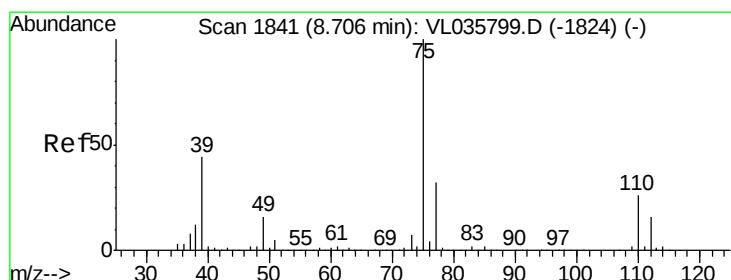
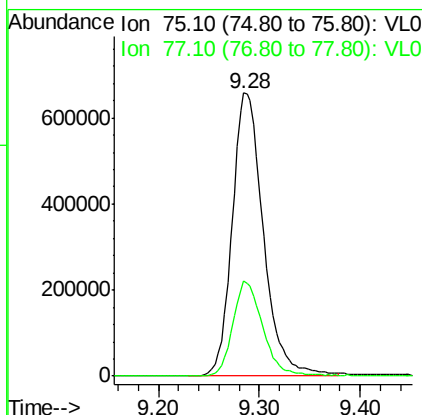
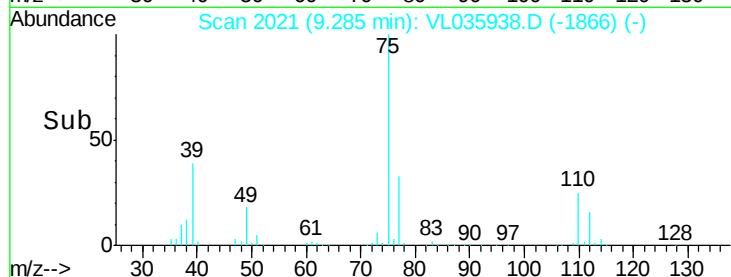
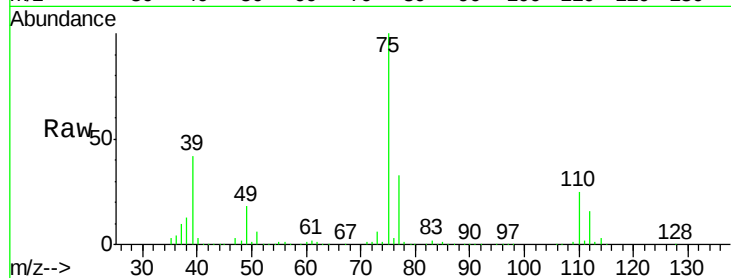
#45
t-1,3-Dichloropropene
Concen: 10.282 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1415081
Ion Ratio Lower Upper
75 100
77 33.4 26.4 39.6

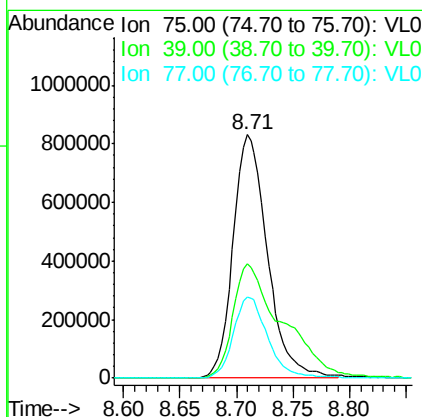
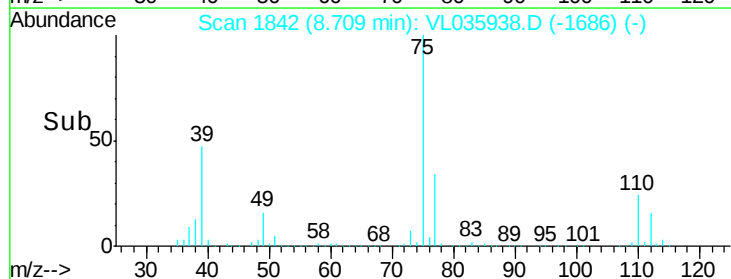
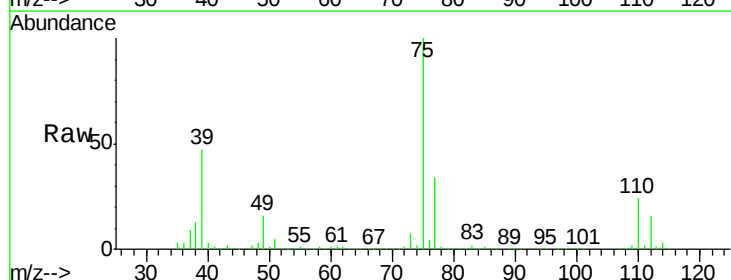
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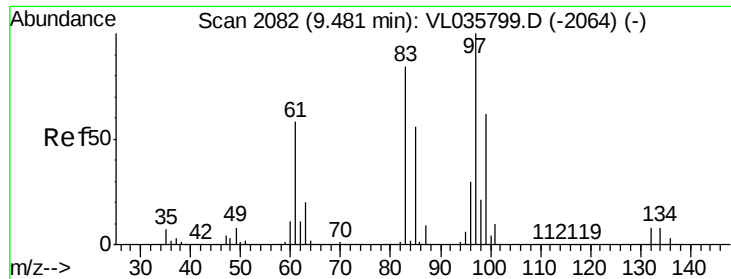
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#46
cis-1,3-Dichloropropene
Concen: 10.096 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion: 75 Resp: 1759689
Ion Ratio Lower Upper
75 100
39 46.8 35.1 52.7
77 33.6 25.7 38.5





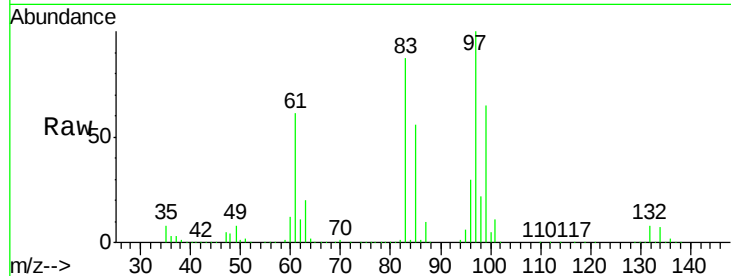
#47
 1,1,2-Trichloroethane
 Concen: 9.609 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.6	67.1	100.7	
85	55.6	44.7	67.1	
99	64.7	49.7	74.5	

Manual Integrations
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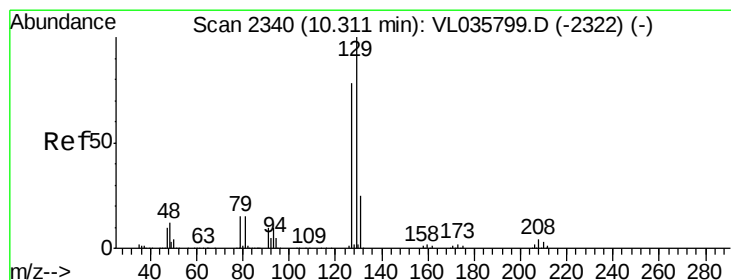
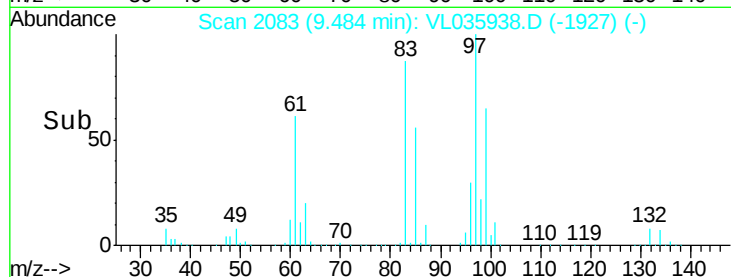
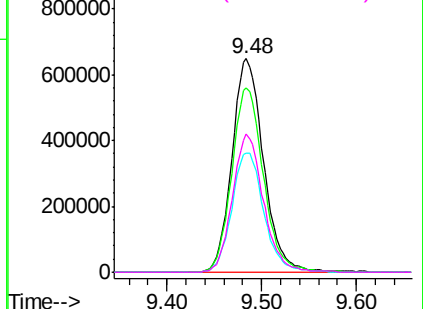
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

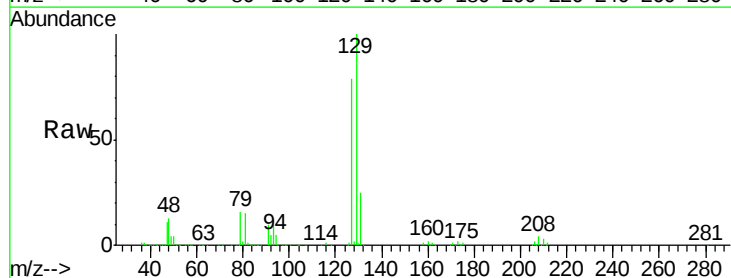
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.136 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

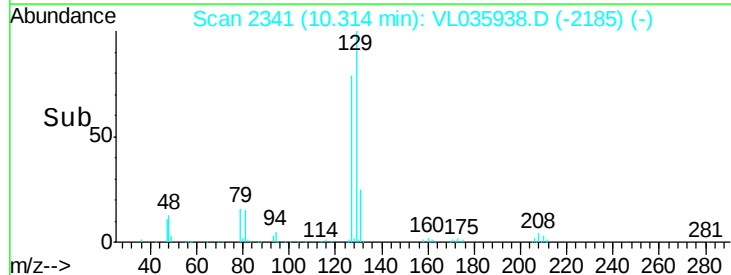
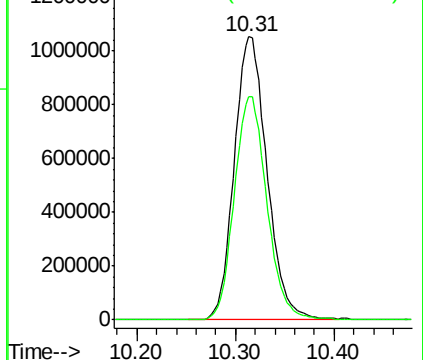
Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.8	39.2	117.6	

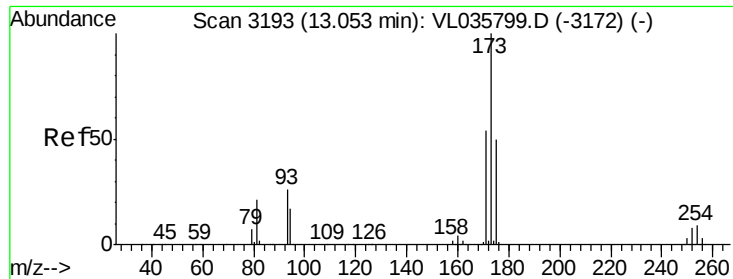


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.947 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2002197

Ion Ratio Lower Upper

173 100

175 50.0 40.1 60.1

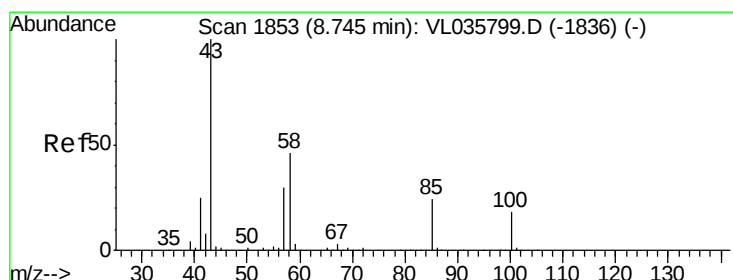
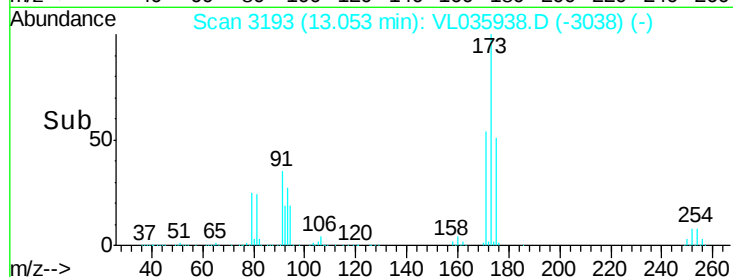
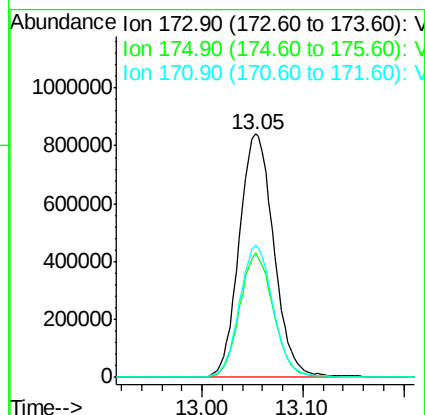
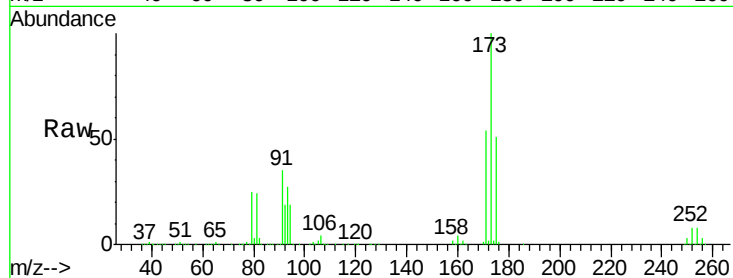
171 53.3 42.6 63.8

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#50

4-Methyl-2-Pentanone

Concen: 11.096 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL035938.D

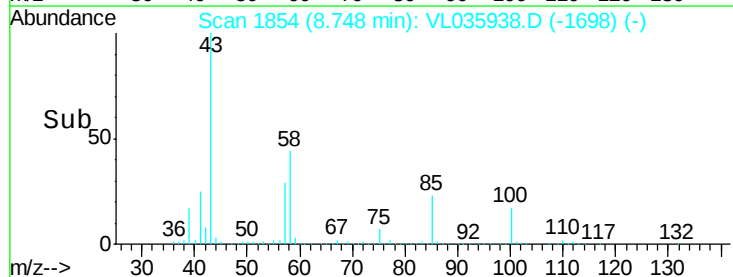
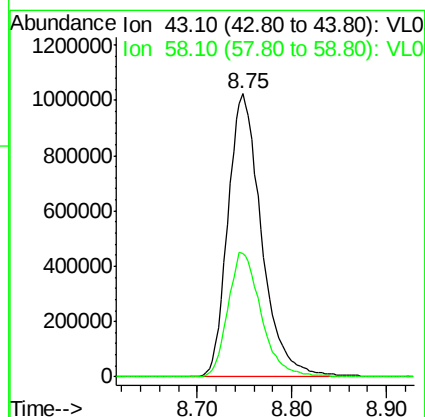
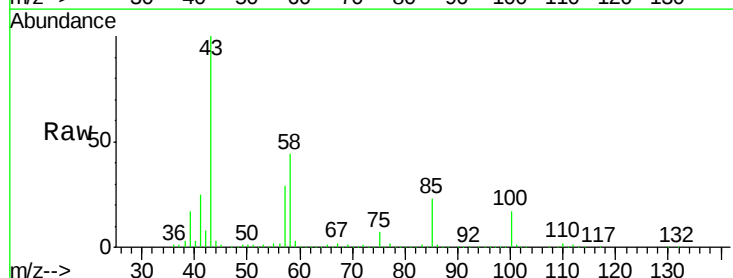
Acq: 16 Nov 2020 10:36

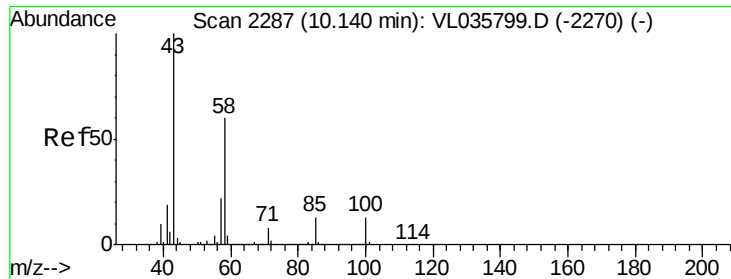
Tgt Ion: 43 Resp: 2521050

Ion Ratio Lower Upper

43 100

58 43.8 36.0 54.0





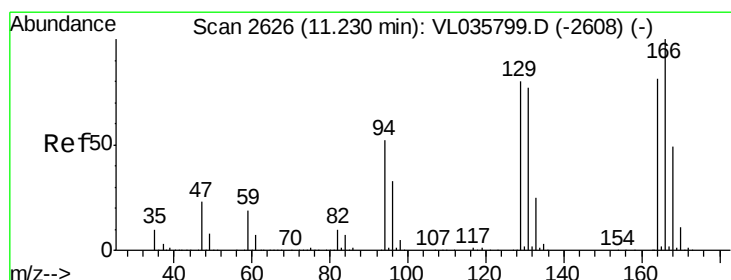
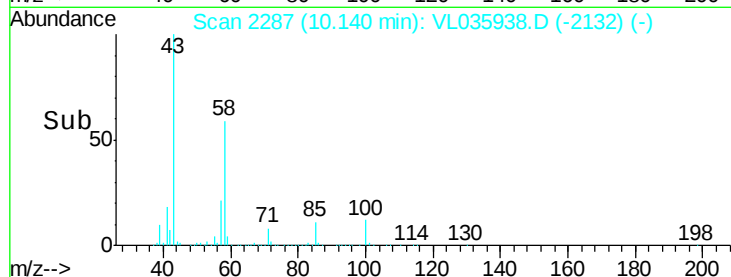
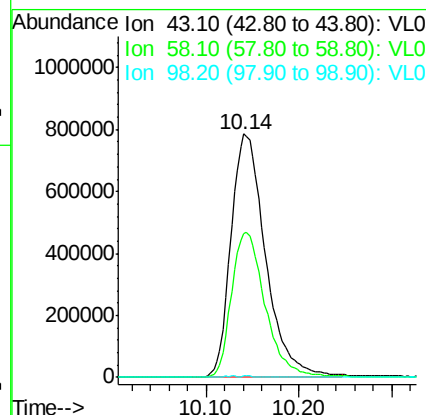
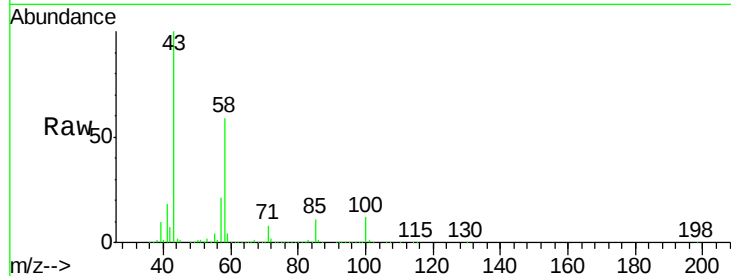
#51
2-Hexanone
Concen: 11.142 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2033456
Ion Ratio Lower Upper
43 100
58 58.6 48.3 72.5
98 0.8 0.6 0.8

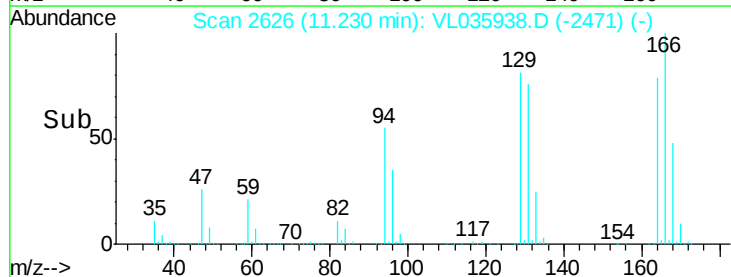
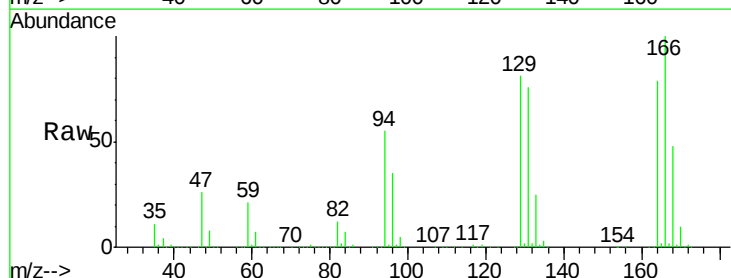
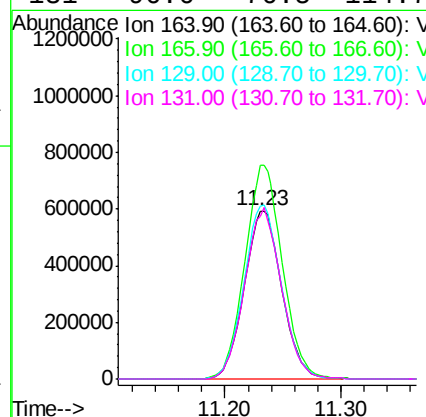
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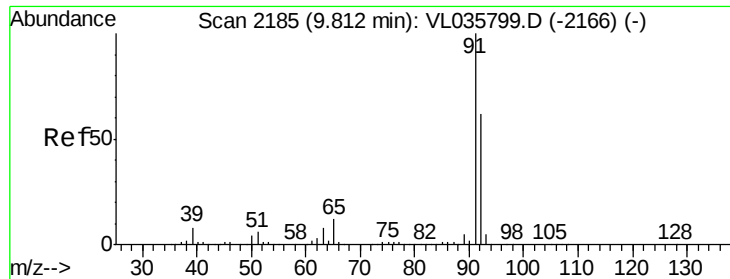
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#52
Tetrachloroethene
Concen: 8.282 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion: 164 Resp: 1335402
Ion Ratio Lower Upper
164 100
166 127.2 99.3 148.9
129 103.3 79.3 118.9
131 96.6 76.5 114.7





#53

Toluene

Concen: 9.561 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3926354

Ion Ratio Lower Upper

91 100

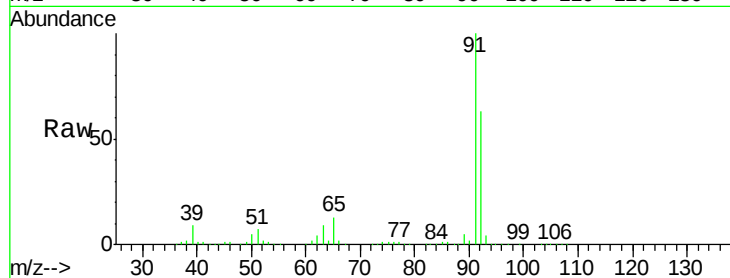
92 61.1 49.8 74.6

Manual Integrations

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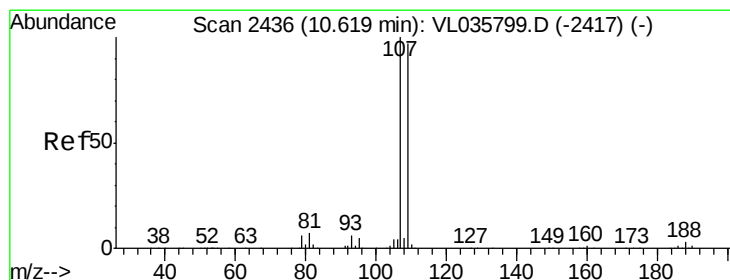
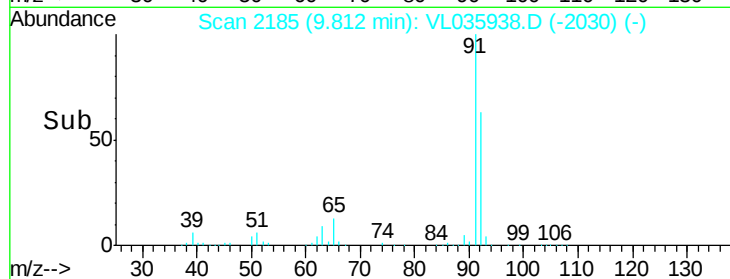
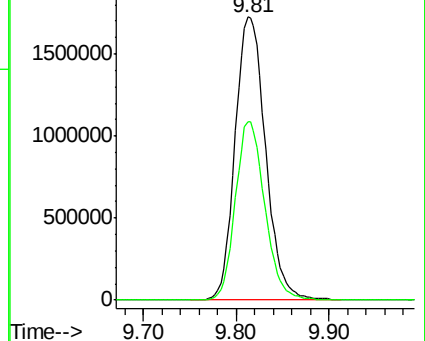
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.429 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL035938.D

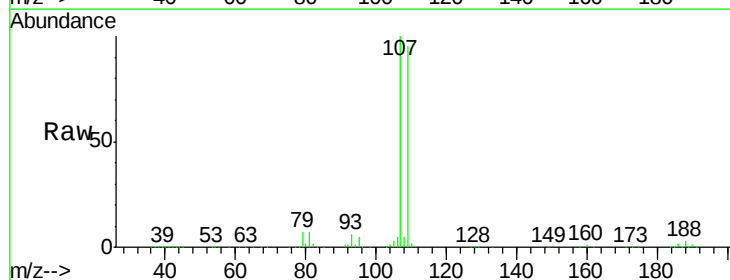
Acq: 16 Nov 2020 10:36

Tgt Ion: 107 Resp: 2238877

Ion Ratio Lower Upper

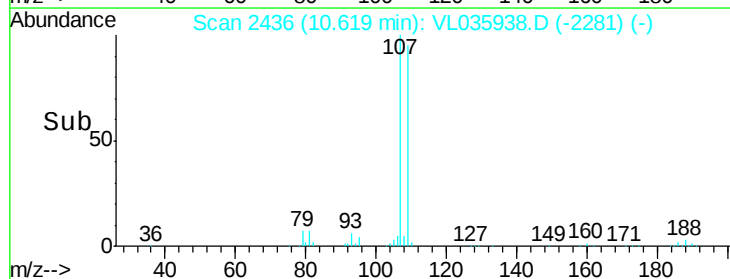
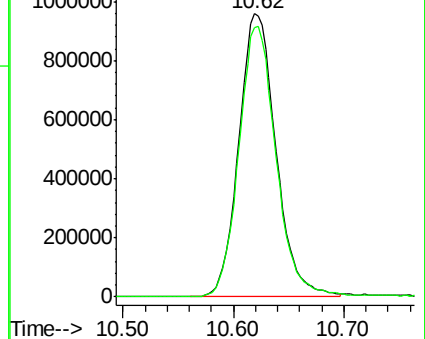
107 100

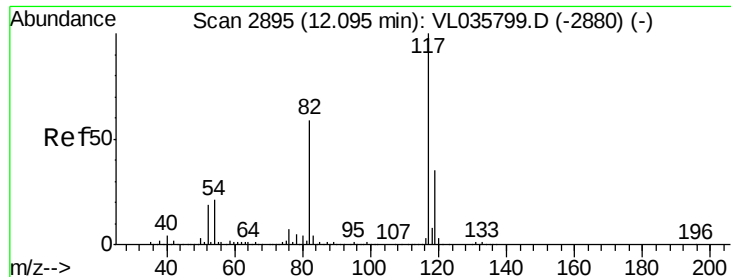
109 95.3 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





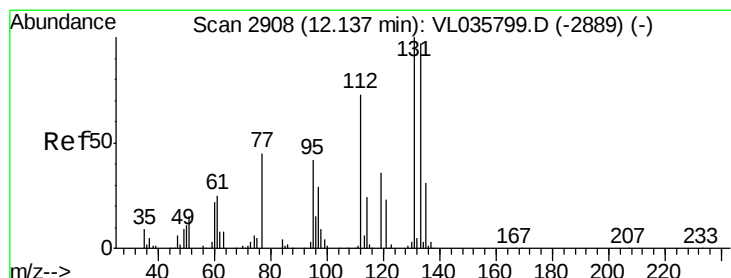
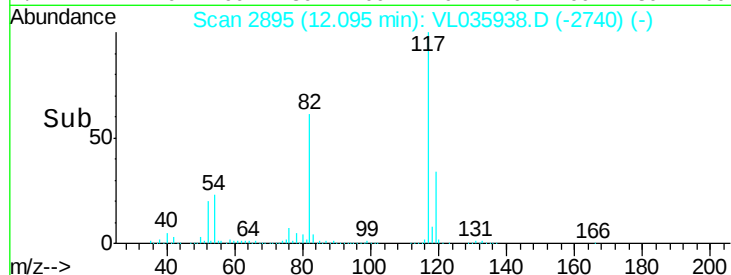
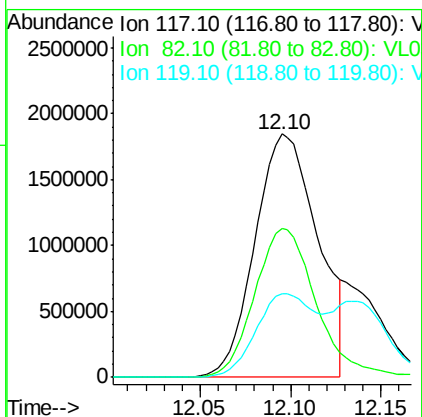
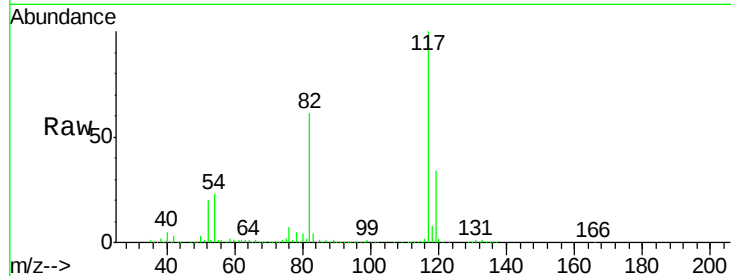
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4446834
Ion Ratio Lower Upper
117 100
82 60.6 50.6 76.0
119 34.5 52.6 78.8#

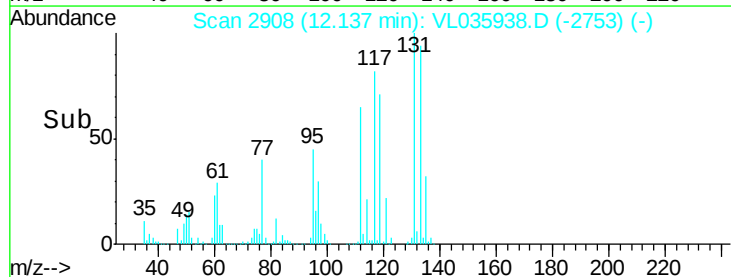
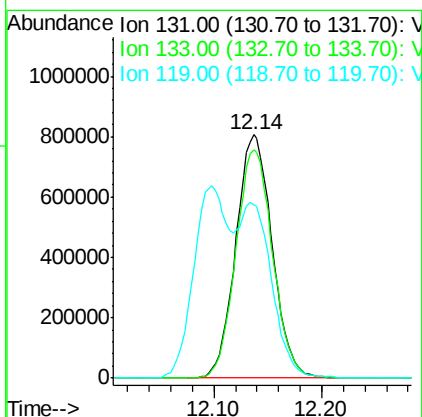
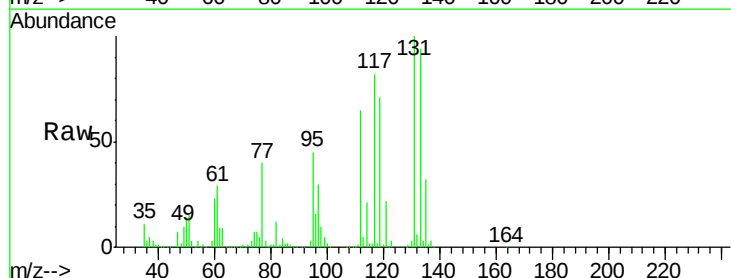
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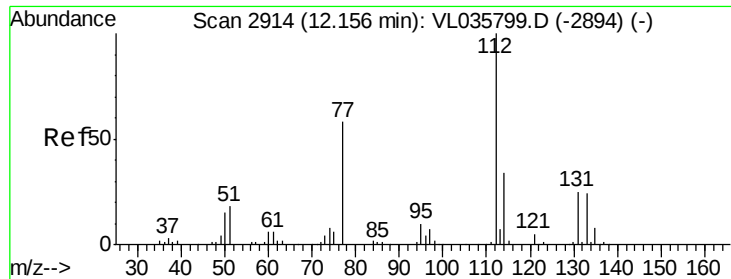
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.477 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion:131 Resp: 1891435
Ion Ratio Lower Upper
131 100
133 95.2 76.8 115.2
119 67.6 47.4 71.0





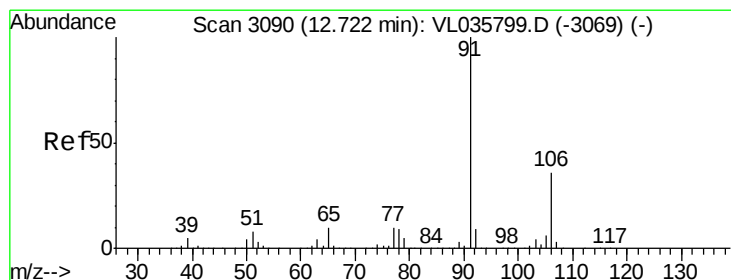
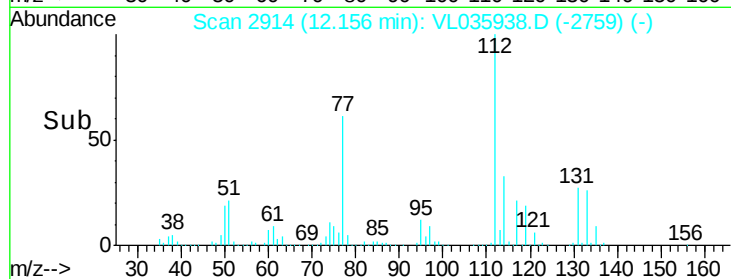
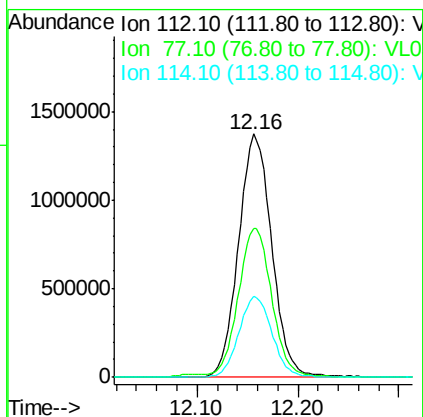
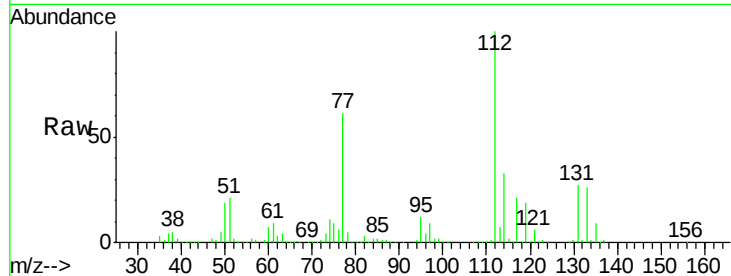
#57
Chlorobenzene
Concen: 8.872 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 112 Resp: 3136875
Ion Ratio Lower Upper
112 100
77 60.7 47.5 71.3
114 33.2 30.3 37.1

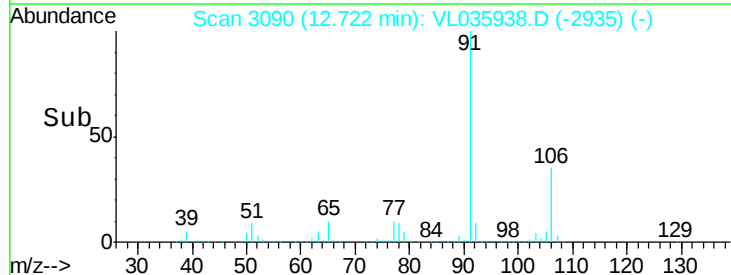
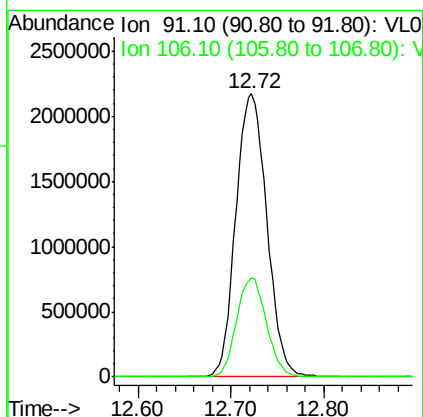
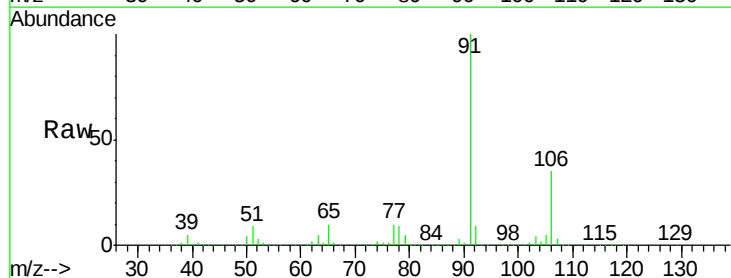
Manual Integrations
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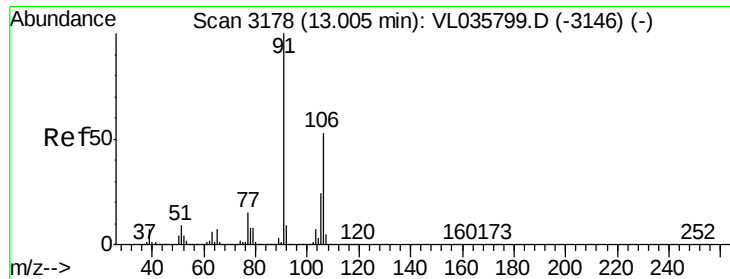
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#58
Ethyl Benzene
Concen: 9.306 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion: 91 Resp: 5039845
Ion Ratio Lower Upper
91 100
106 34.8 28.6 43.0





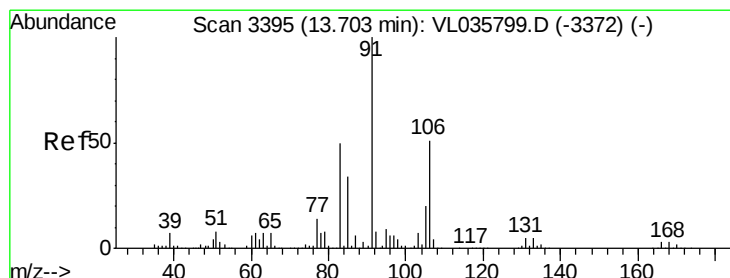
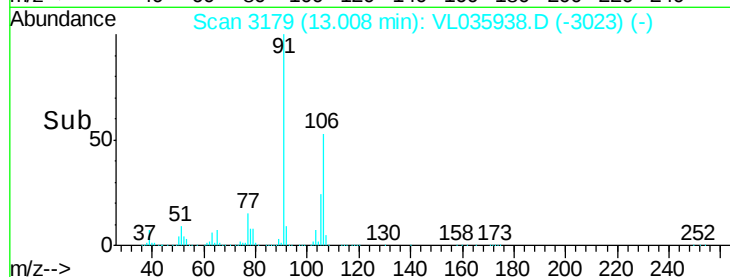
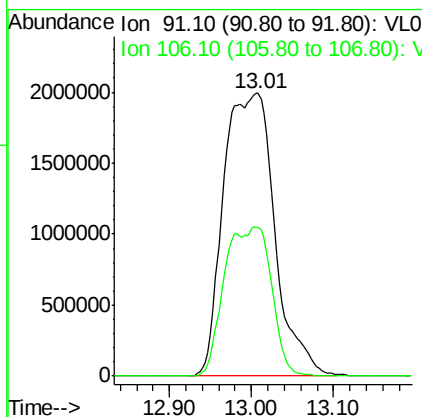
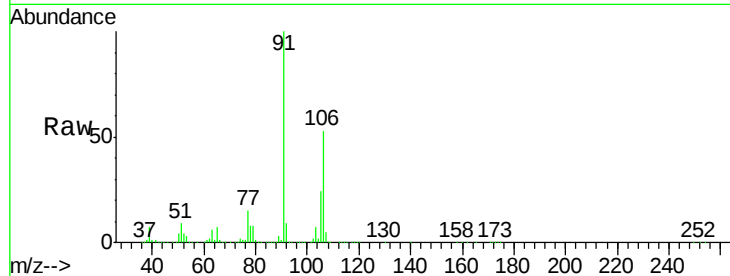
#59
m/p-Xylene
Concen: 18.773 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8602100
Ion Ratio Lower Upper
91 100
106 48.7 39.5 59.3

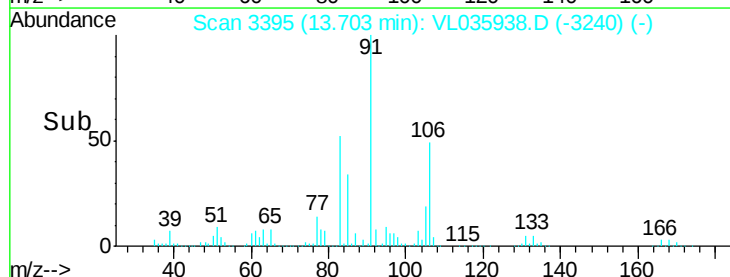
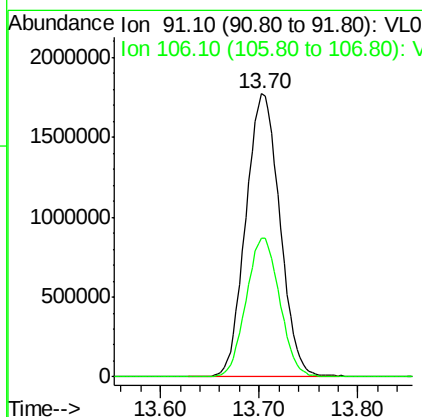
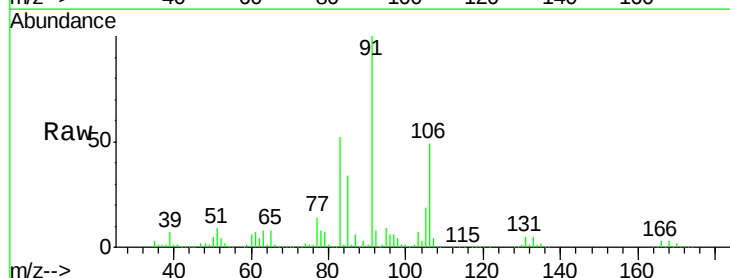
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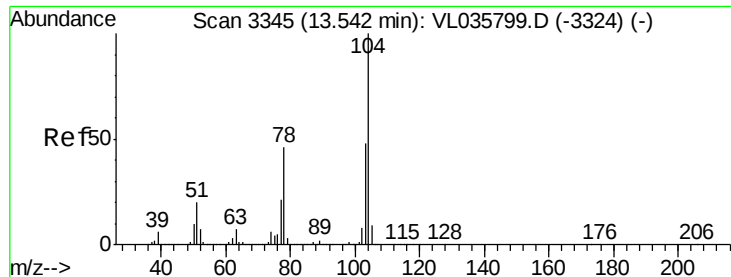
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#60
o-Xylene
Concen: 9.487 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion: 91 Resp: 4228939
Ion Ratio Lower Upper
91 100
106 48.4 24.8 74.4





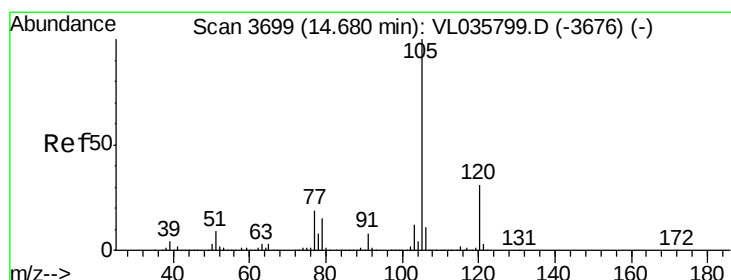
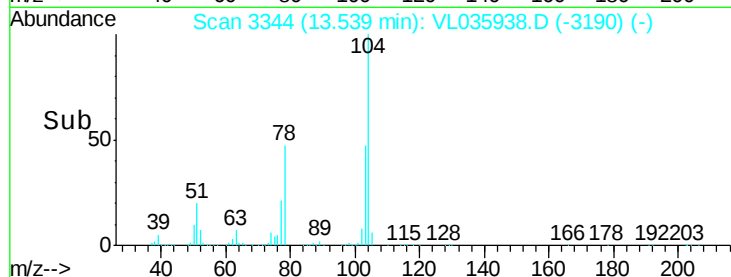
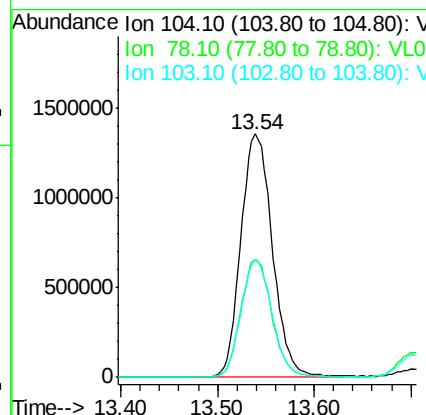
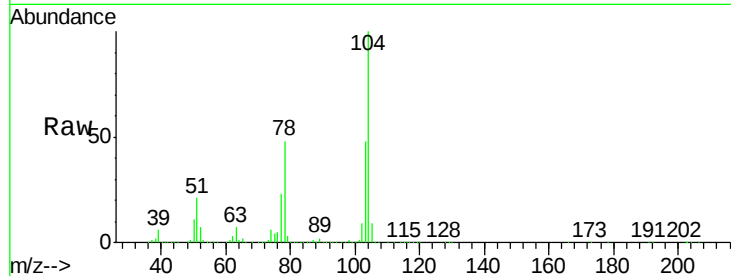
#61
Stvrene
Concen: 9.456 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 3088466
Ion Ratio Lower Upper
104 100
78 47.9 37.1 55.7
103 47.5 37.9 56.9

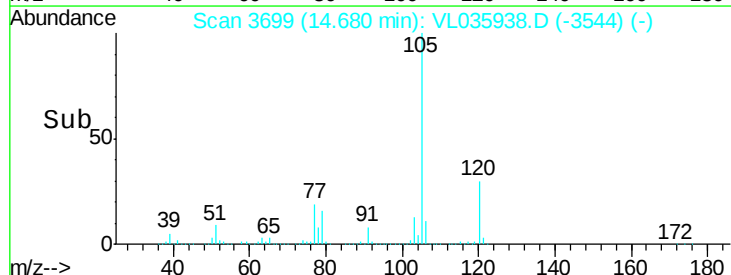
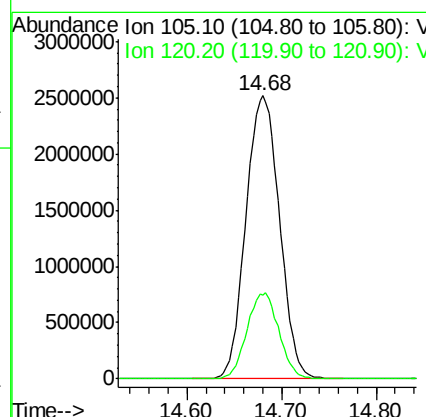
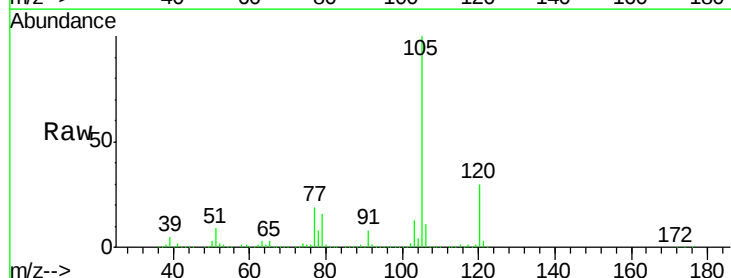
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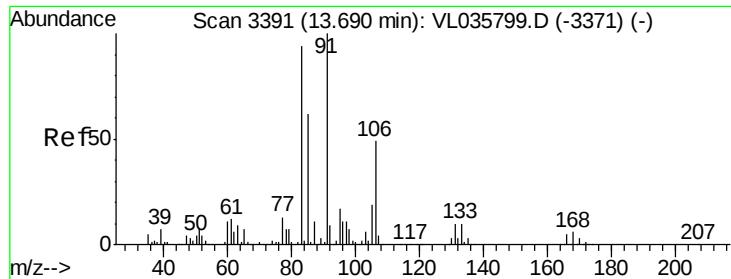
MMDadoda
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#62
Isopropylbenzene
Concen: 8.880 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion:105 Resp: 6221194
Ion Ratio Lower Upper
105 100
120 28.9 23.5 35.3





#63

1,1,2,2-Tetrachloroethane

Concen: 8.856 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 3058589

Ion Ratio Lower Upper

83 100

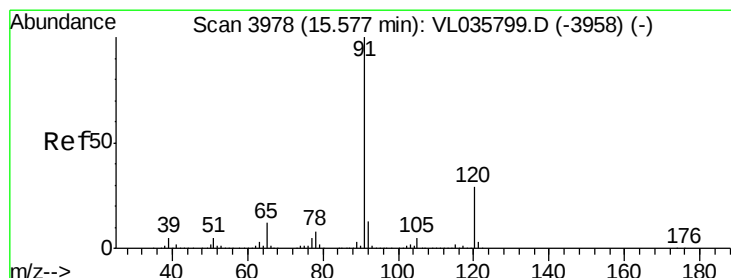
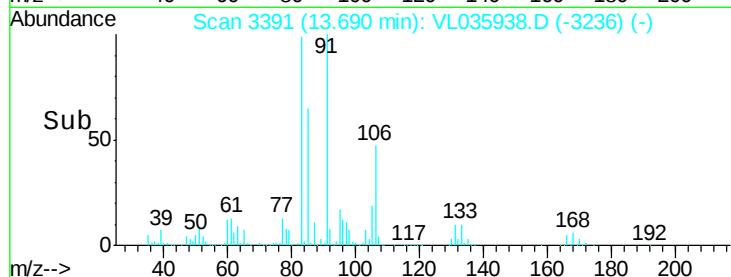
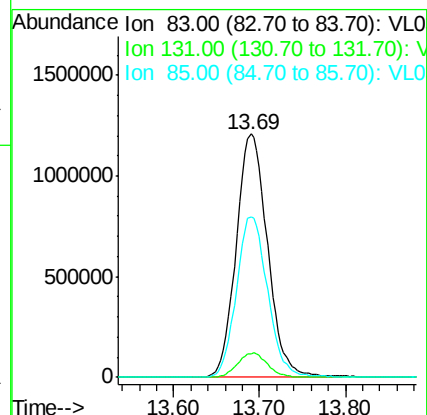
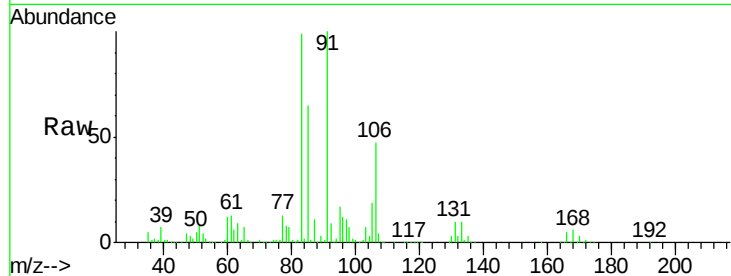
131 9.8 5.3 15.8

85 66.1 33.5 100.4

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#64

n-propylbenzene

Concen: 8.938 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. -0.00 min

Lab File: VL035938.D

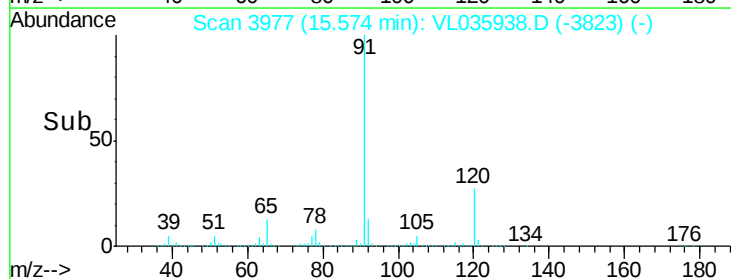
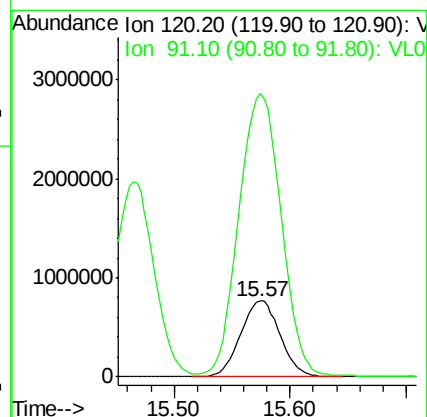
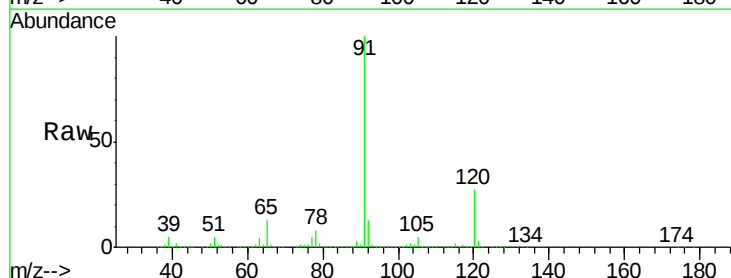
Acq: 16 Nov 2020 10:36

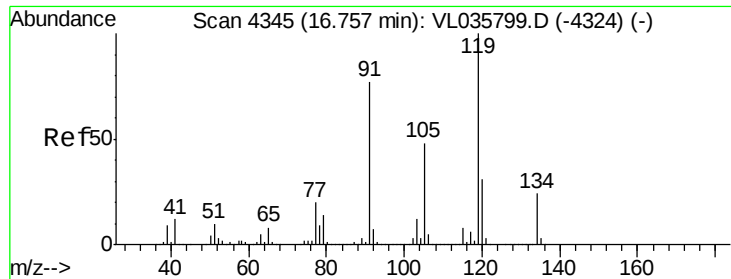
Tgt Ion: 120 Resp: 1810030

Ion Ratio Lower Upper

120 100

91 402.9 311.1 466.7





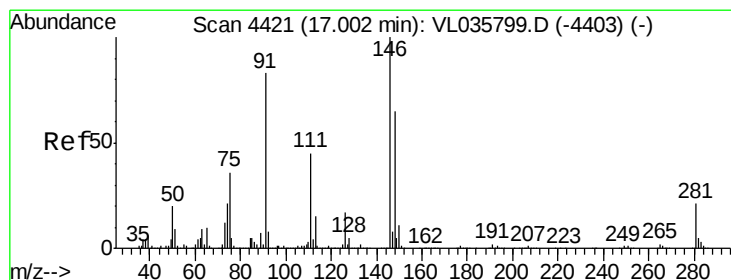
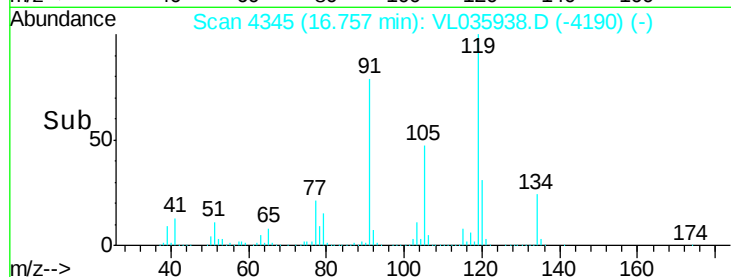
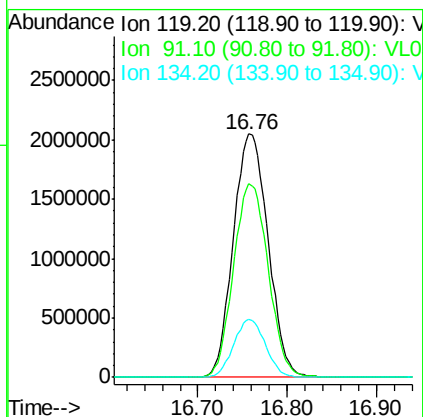
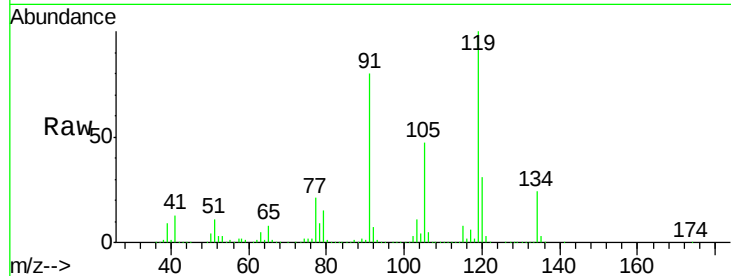
#65
tert-Butylbenzene
Concen: 8.682 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 5536697
Ion Ratio Lower Upper
119 100
91 79.6 62.0 93.0
134 21.8 17.8 26.8

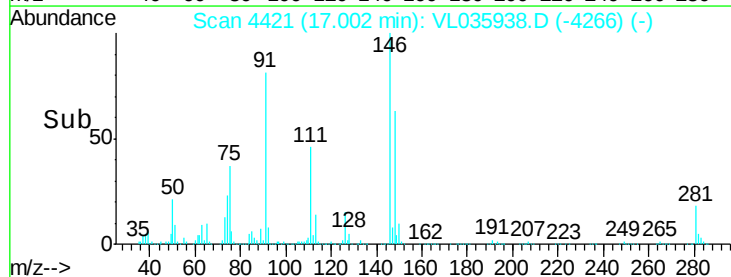
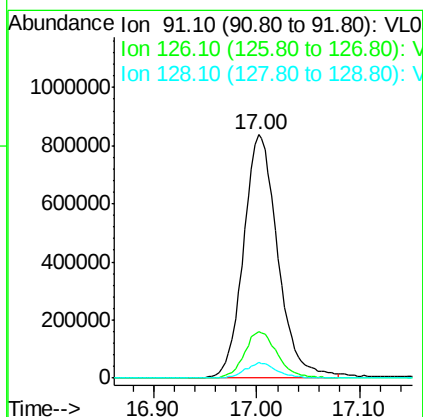
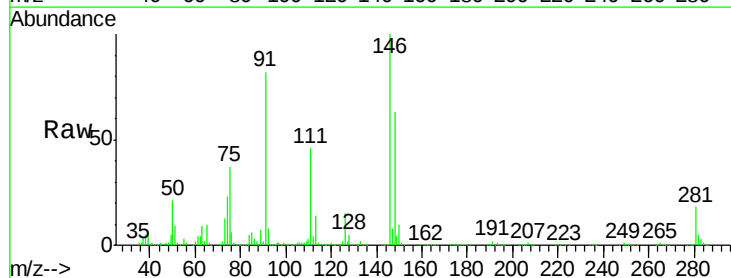
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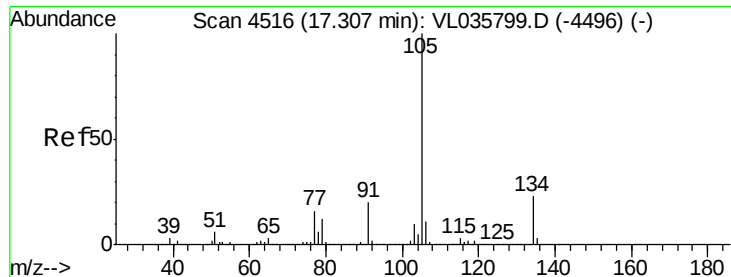
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#66
Benzyl Chloride
Concen: 9.117 ppbv
RT: 17.00 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion: 91 Resp: 1921709
Ion Ratio Lower Upper
91 100
126 18.7 16.0 24.0
128 6.1 5.0 7.4





#67

sec-Butylbenzene

Concen: 8.711 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 7486081

Ion Ratio Lower Upper

105 100

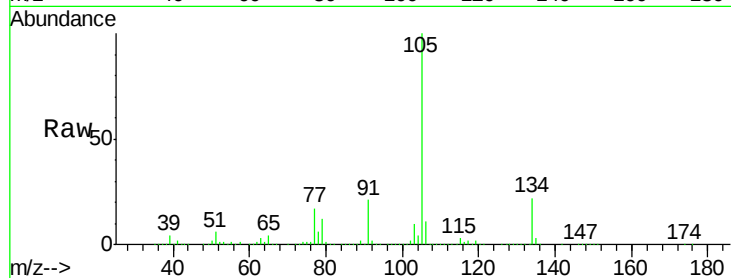
134 20.5 17.0 25.6

Manual Integrations

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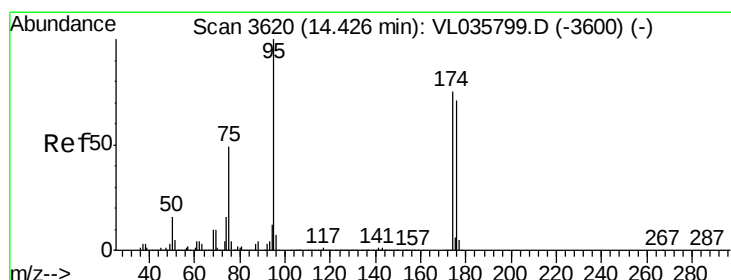
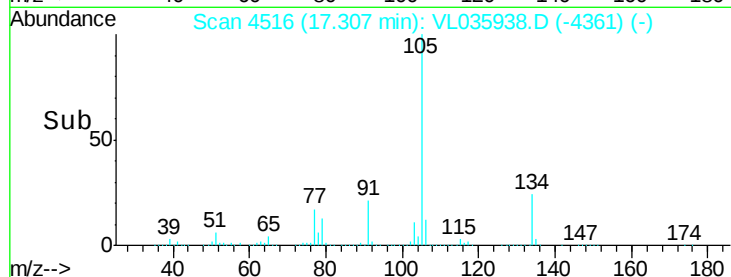
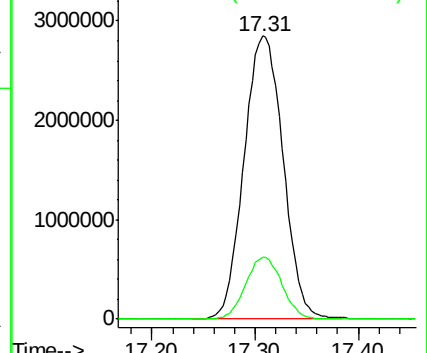
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.860 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

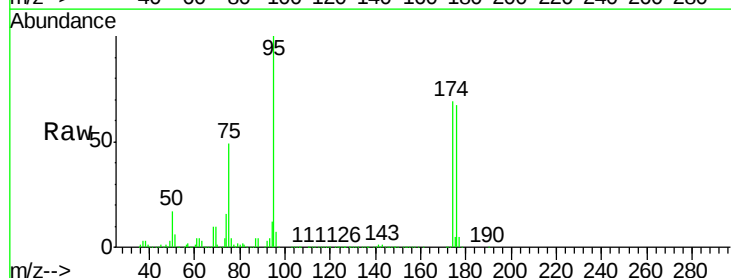
Tgt Ion: 95 Resp: 3431175

Ion Ratio Lower Upper

95 100

174 69.7 59.8 89.6

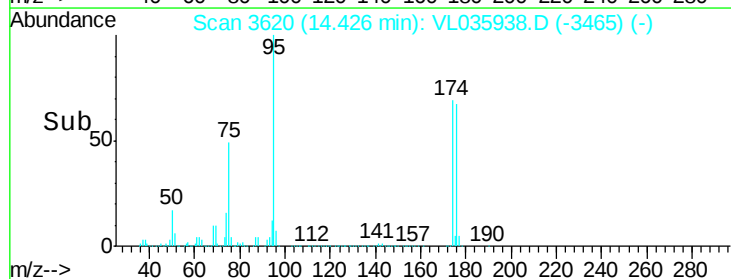
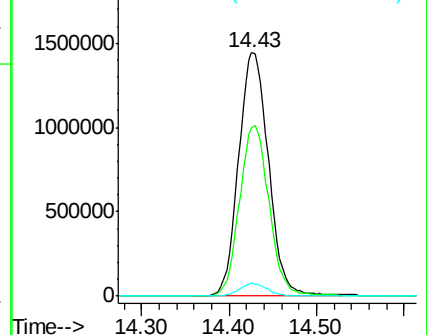
175 4.9 4.3 6.5

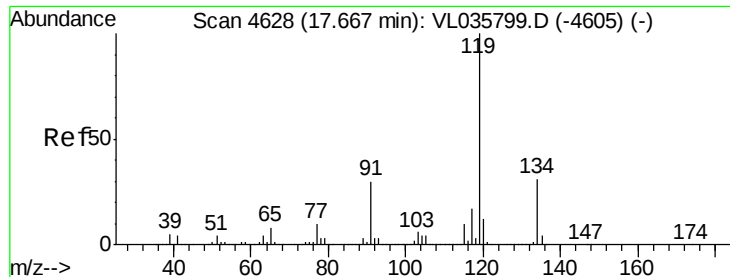


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





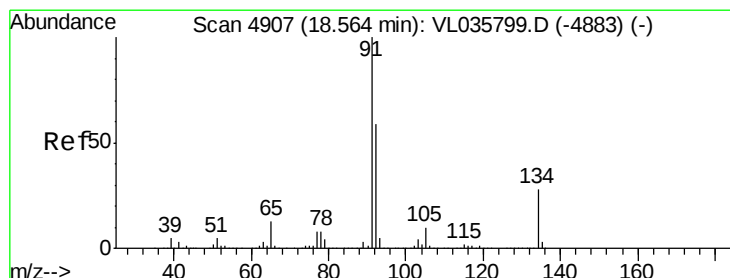
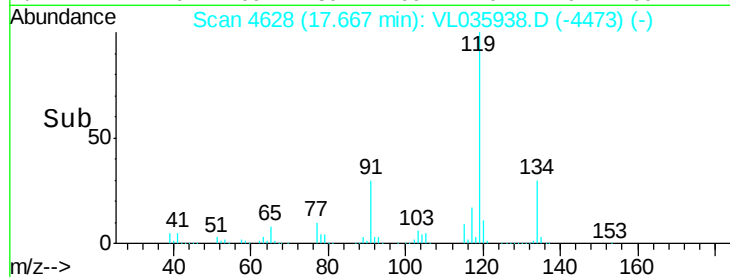
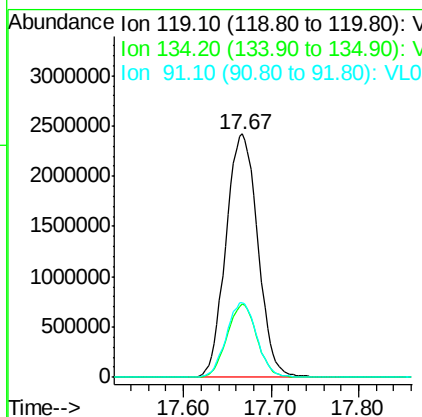
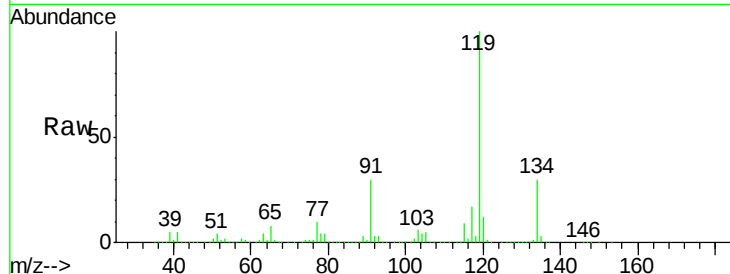
#69
 p-Isopropyltoluene
 Concen: 8.615 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 119 Resp: 6109571
 Ion Ratio Lower Upper
 119 100
 134 28.4 23.0 34.6
 91 29.3 22.8 34.2

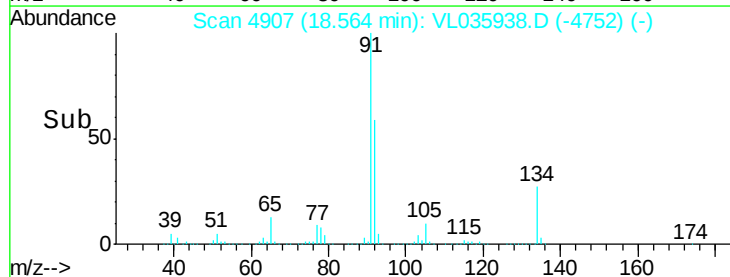
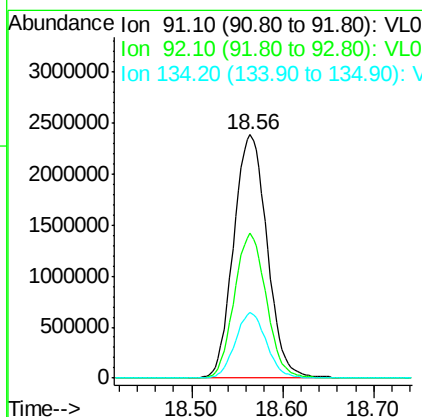
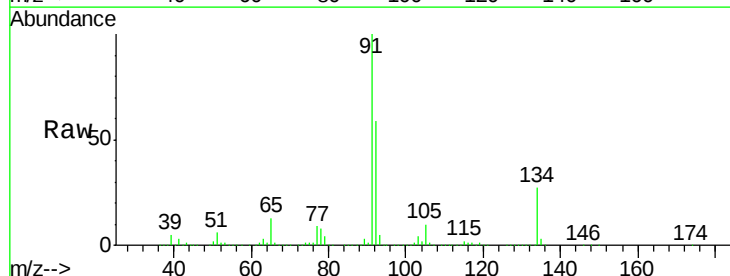
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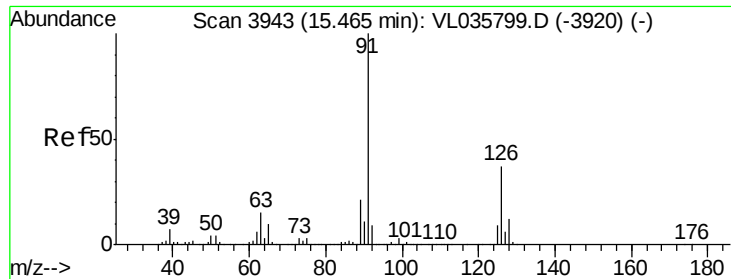
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#70
 n-Butylbenzene
 Concen: 8.946 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Tgt Ion: 91 Resp: 6109489
 Ion Ratio Lower Upper
 91 100
 92 57.1 45.7 68.5
 134 25.1 21.0 31.4





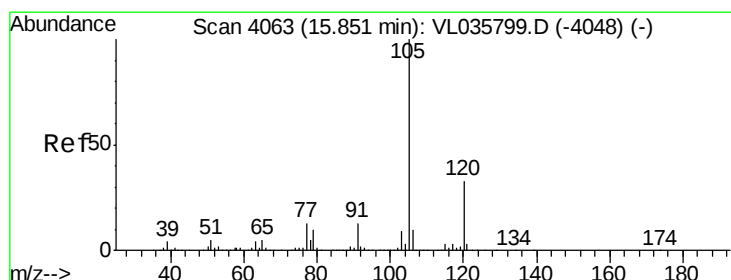
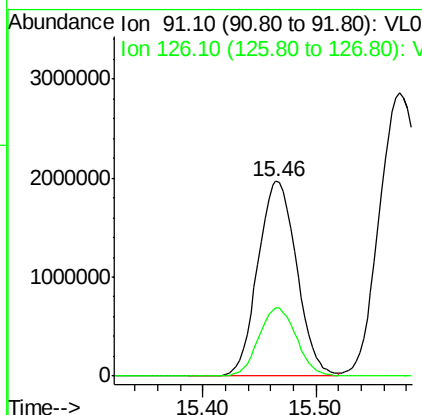
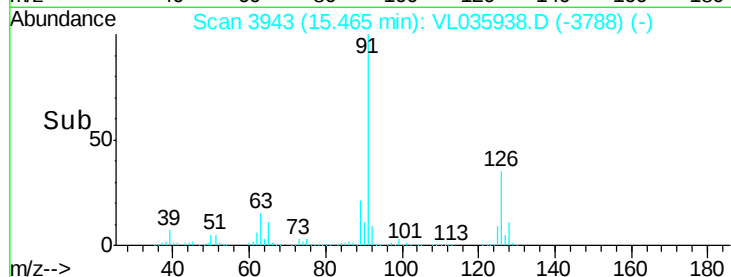
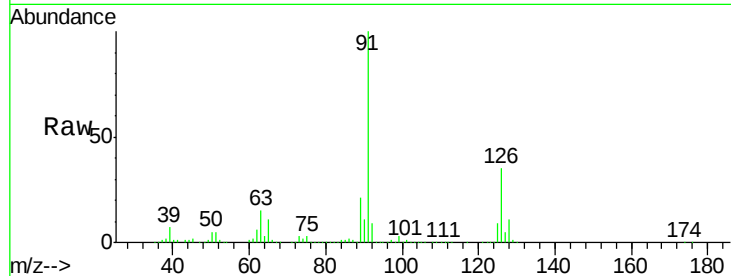
#71
2-Chlorotoluene
Concen: 9.148 ppbv
RT: 15.46 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4687776
Ion Ratio Lower Upper
91 100
126 34.2 14.3 57.1

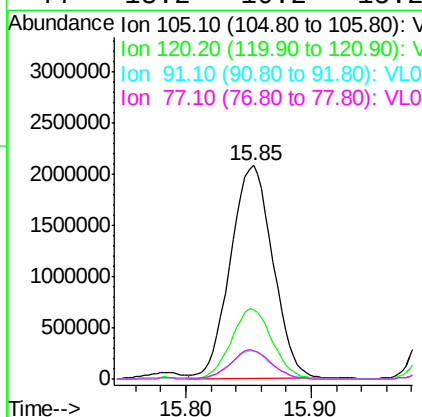
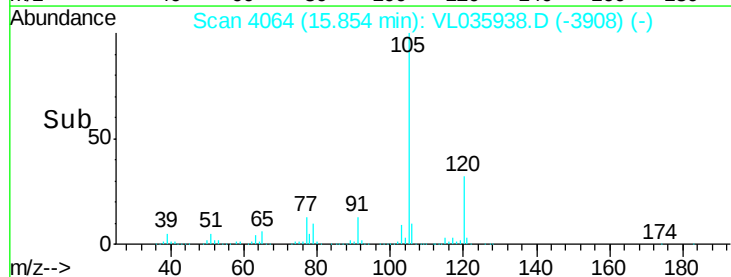
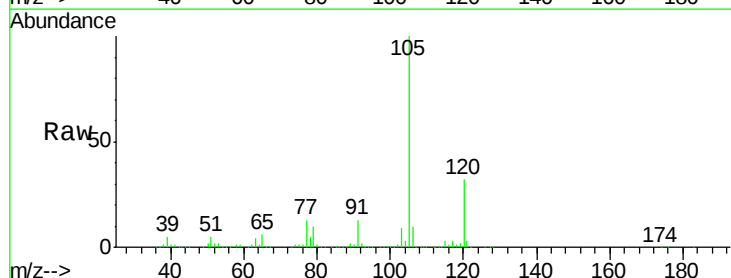
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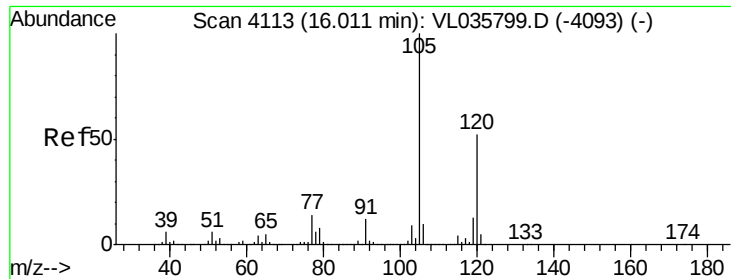
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#72
4-Ethyltoluene
Concen: 9.011 ppbv
RT: 15.85 min Scan# 4064
Delta R.T. 0.00 min
Lab File: VL035938.D
Acq: 16 Nov 2020 10:36

Tgt Ion: 105 Resp: 4871633
Ion Ratio Lower Upper
105 100
120 32.1 25.9 38.9
91 12.8 9.9 14.9
77 13.2 10.2 15.2





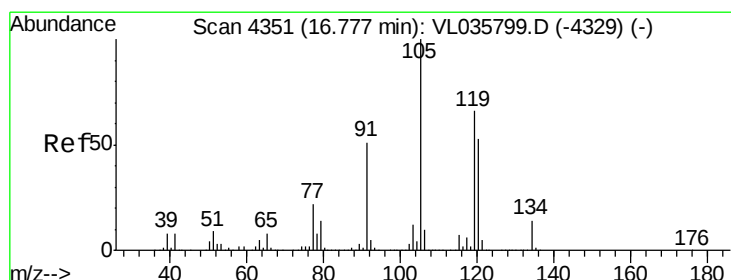
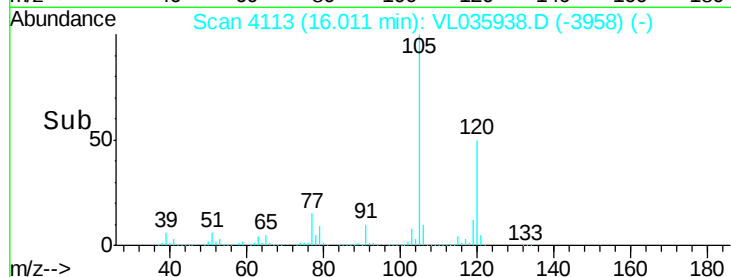
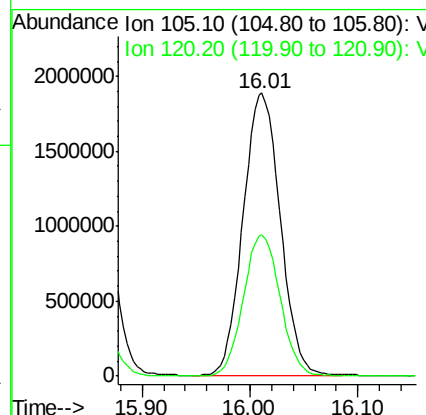
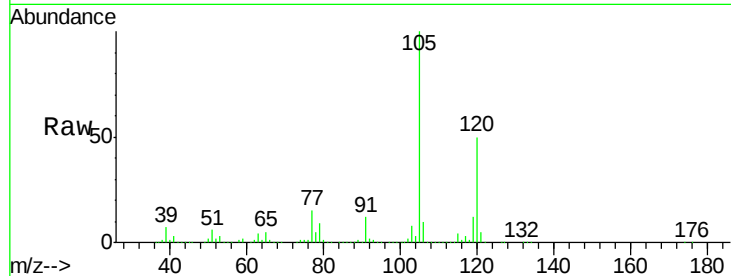
#73
 1,3,5-Trimethylbenzene
 Concen: 9.117 ppbv
 RT: 16.01 min Scan# 4113
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4510377
 Ion Ratio Lower Upper
 105 100
 120 50.1 41.4 62.2

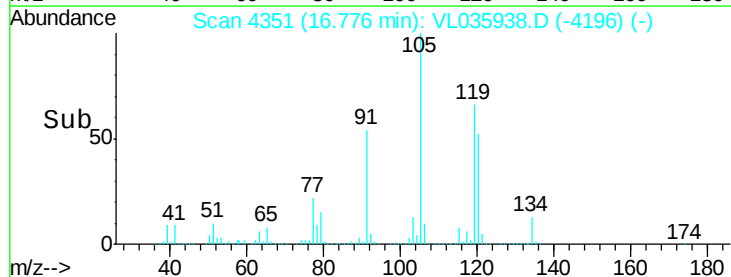
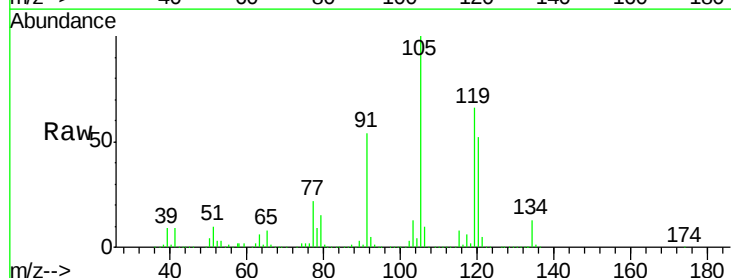
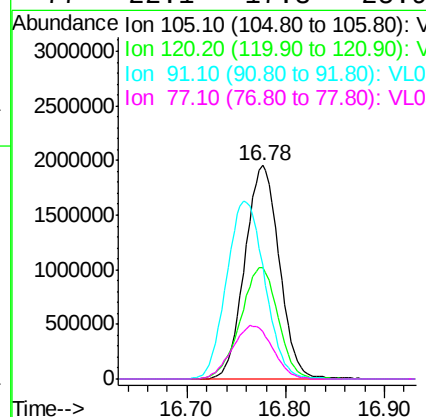
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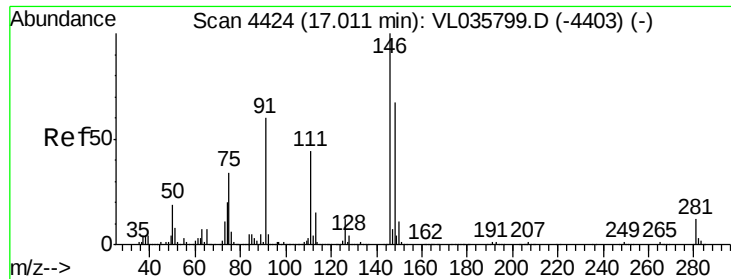
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.895 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Tgt Ion:105 Resp: 4715520
 Ion Ratio Lower Upper
 105 100
 120 52.0 42.0 63.0
 91 53.4 41.0 61.6
 77 22.1 17.3 25.9





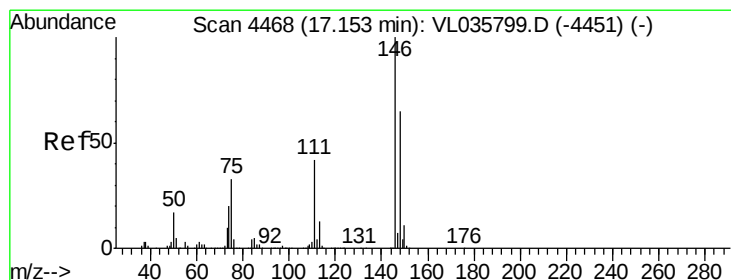
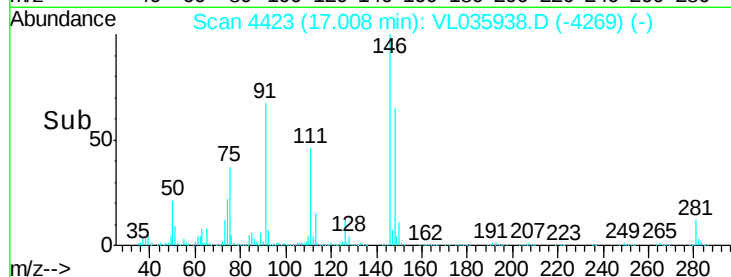
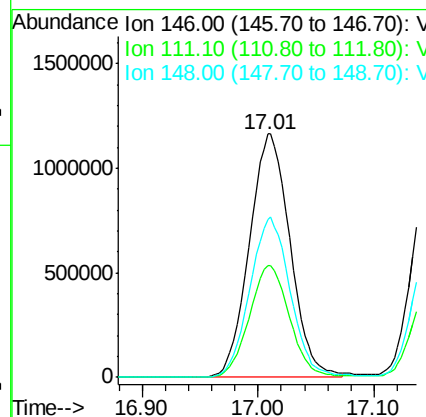
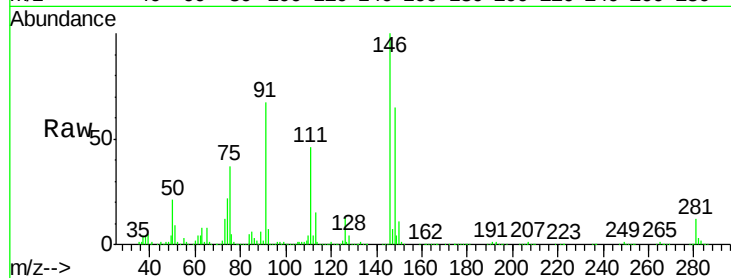
#75
 1,3-Dichlorobenzene
 Concen: 8.428 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2844711
 Ion Ratio Lower Upper
 146 100
 111 45.7 21.8 65.4
 148 65.4 32.5 97.5

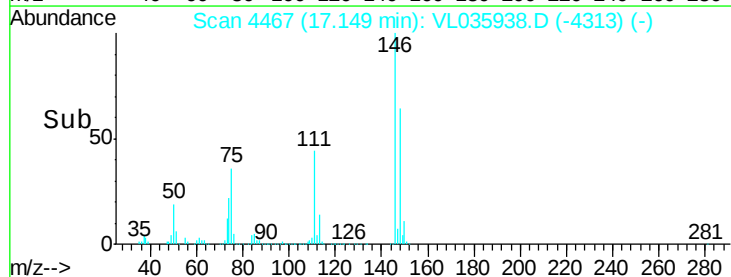
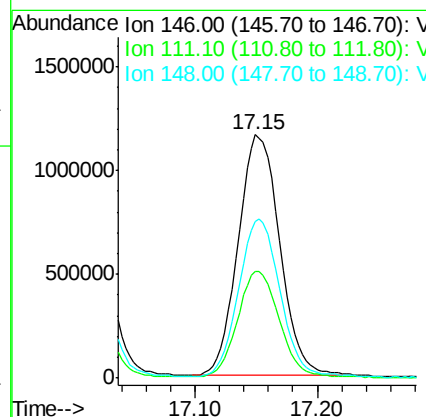
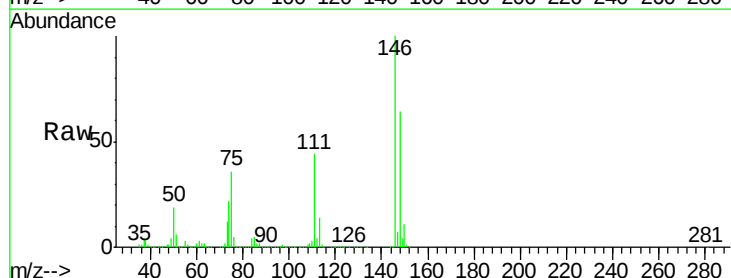
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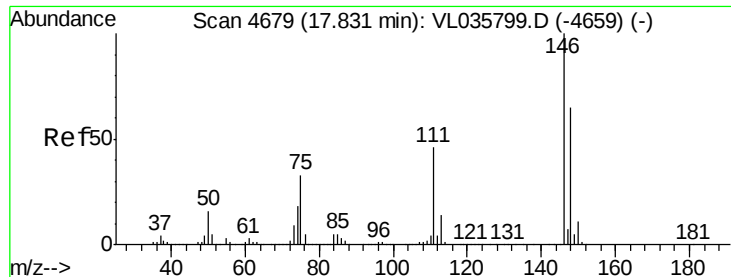
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 11/18/2020 9:06:21 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.437 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Tgt Ion:146 Resp: 2747234
 Ion Ratio Lower Upper
 146 100
 111 44.9 21.3 63.7
 148 67.0 33.0 99.0





#77

1,2-Dichlorobenzene

Concen: 8.273 ppbv

RT: 17.83 min Scan# 4680

Delta R.T. 0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2722165

Ion Ratio Lower Upper

146 100

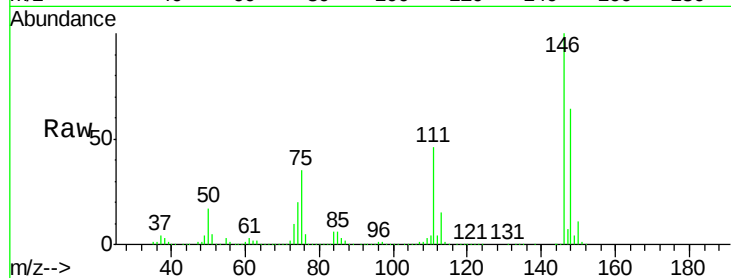
111 46.7 22.4 67.0

148 65.2 32.5 97.5

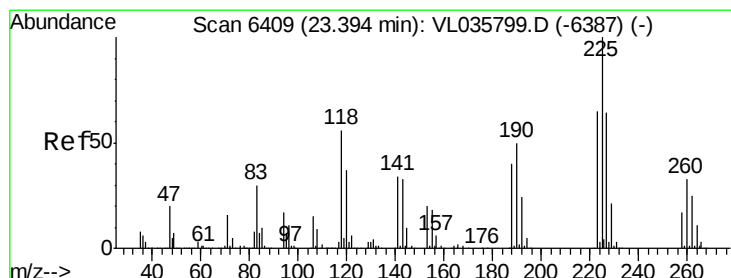
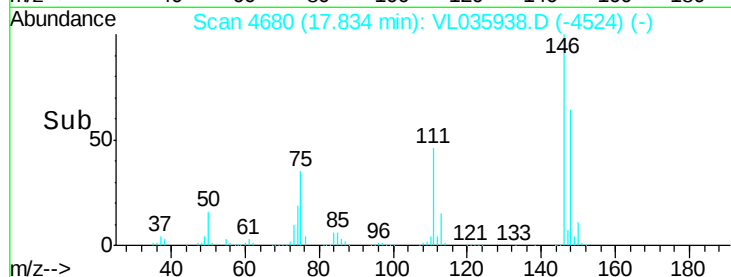
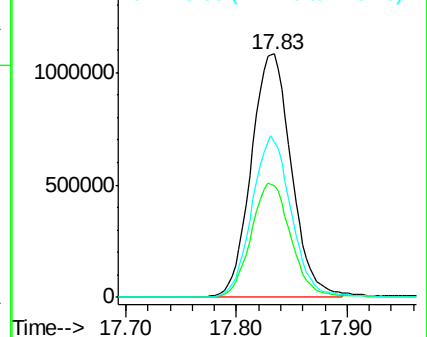
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.390 ppbv

RT: 23.39 min Scan# 6409

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

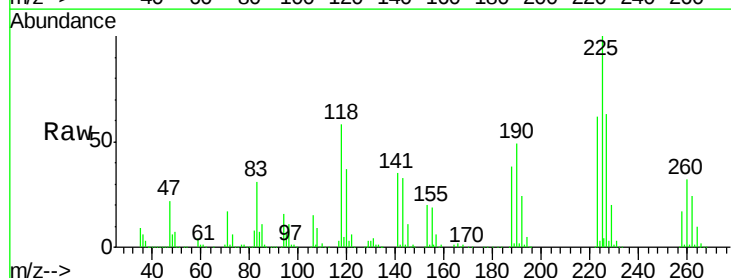
Tgt Ion:225 Resp: 1288047

Ion Ratio Lower Upper

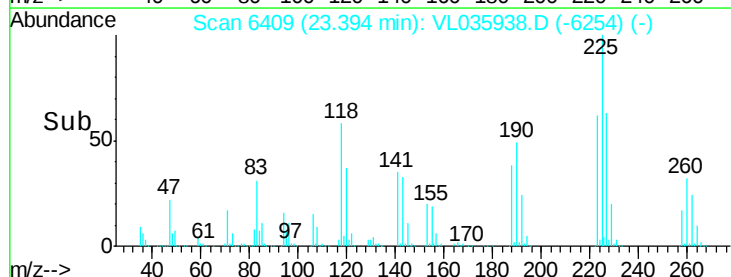
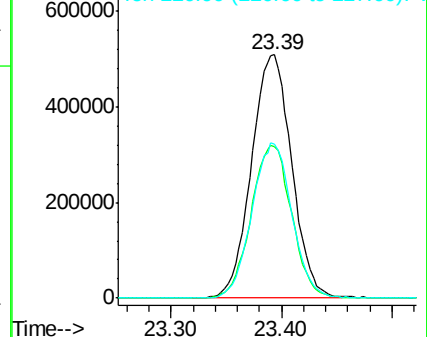
225 100

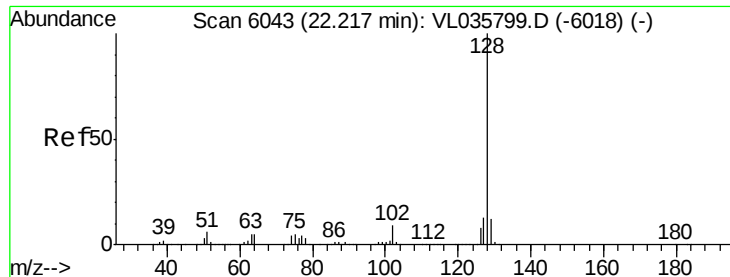
223 63.7 51.0 76.6

227 63.7 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: 8.055 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. -0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 2976761

Ion Ratio Lower Upper

128 100

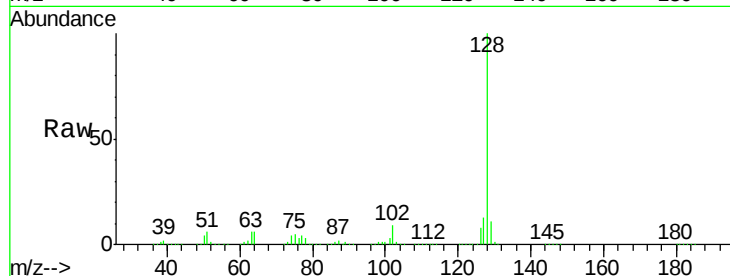
127 12.7 10.2 15.4

129 11.4 9.2 13.8

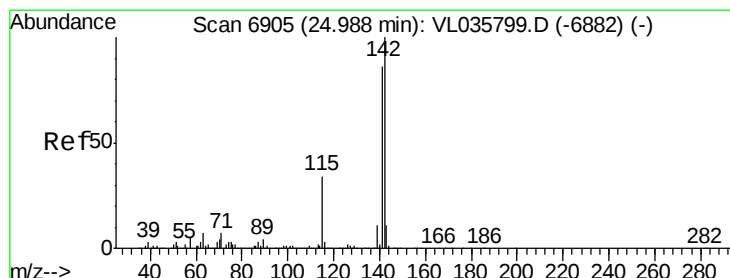
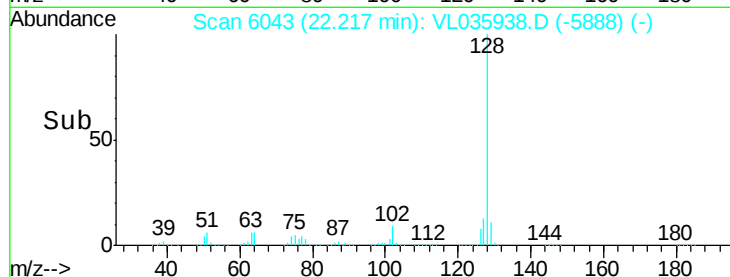
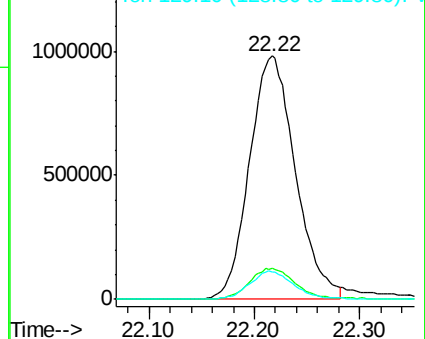
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.758 ppbv

RT: 24.99 min Scan# 6906

Delta R.T. 0.00 min

Lab File: VL035938.D

Acq: 16 Nov 2020 10:36

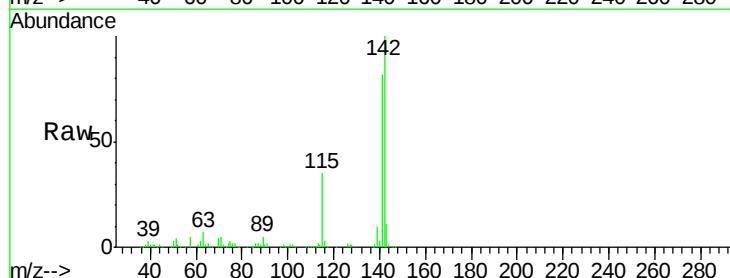
Tgt Ion:142 Resp: 467224

Ion Ratio Lower Upper

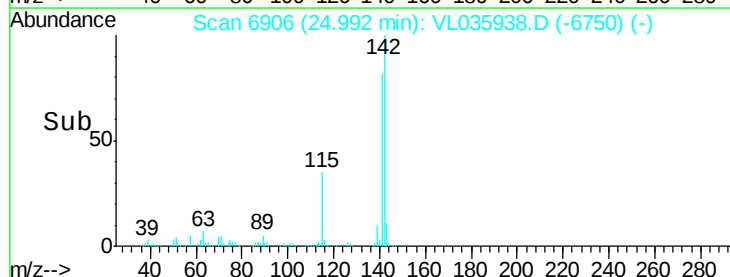
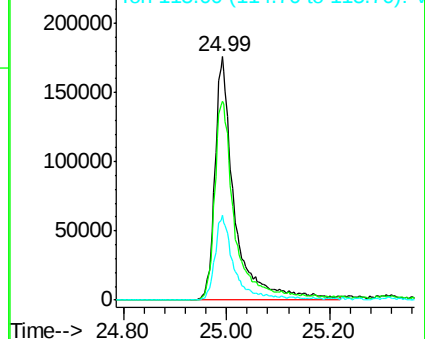
142 100

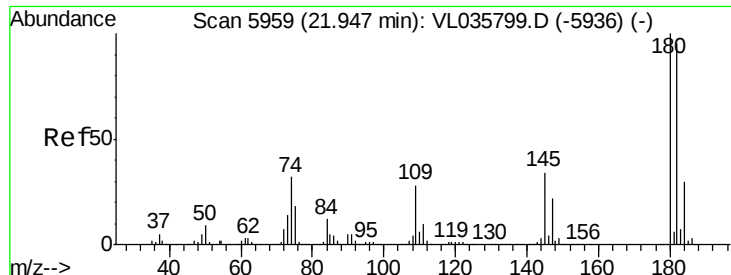
141 83.2 67.8 101.8

115 33.3 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: 7.723 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. -0.00 min
 Lab File: VL035938.D
 Acq: 16 Nov 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	180	Resp:	1594604
Ion Ratio	Lower	Upper	
180	100		
182	98.1	77.2	115.8
184	31.0	24.7	37.1

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