

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035188.D
 Acq On : 8 Jul 2020 17:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:03:03 PM

Quant Time: Jul 08 17:58:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1208264	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2893170	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2758963m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2253726	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1457831	8.609	ppbv	100
3) Chlorodifluoromethane	2.94	51	1210296	9.069	ppbv	100
4) Chloromethane	3.10	50	677048	9.001	ppbv	94
5) Vinyl Chloride	3.22	62	687680	8.555	ppbv	97
6) Bromomethane	3.44	94	438665	9.616	ppbv	98
7) Chloroethane	3.52	64	258566	9.099	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1666462	8.979	ppbv	98
9) Propene	2.97	41	482703	9.570	ppbv	98
10) Heptane	8.13	43	1388153	10.720	ppbv	99
11) Trichlorofluoromethane	3.92	101	1768999	9.251	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1243821	9.262	ppbv	100
13) Ethanol	3.57	45	109220	6.801	ppbv	95
14) Bromoethene	3.71	108	534373	9.669	ppbv	100
15) Acetone	3.82	43	1295088	7.917	ppbv	99
16) 1,3-Butadiene	3.29	39	628563	10.011	ppbv	100
17) tert-Butyl alcohol	4.26	59	1484243	10.255	ppbv	100
18) 1,1-Dichloroethene	4.26	96	564632	9.496	ppbv	96
19) Isopropyl Alcohol	3.93	45	948173	9.608	ppbv	# 98
20) Methylene Chloride	4.32	84	494983	6.954	ppbv	97
21) Allyl Chloride	4.39	41	921371	9.677	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	570822	9.616	ppbv	98
23) Vinyl Acetate	5.06	43	1762694	9.955	ppbv	97
24) 1,1-Dichloroethane	4.99	63	1413720	9.297	ppbv	99
25) Ethyl Acetate	5.66	43	2436901	9.600	ppbv	100
26) Hexane	5.68	57	1082687	9.673	ppbv	99
27) Carbon Disulfide	4.53	76	1567697	10.030	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1678574	9.843	ppbv	100
29) Chloroform	5.74	83	1753986	9.347	ppbv	96
30) Cyclohexane	7.13	84	912049	11.013	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1078189	10.184	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	1736291	9.232	ppbv	99
34) 2-Butanone	5.23	43	1515184	9.812	ppbv	99
35) Carbon Tetrachloride	7.02	117	1823988	9.712	ppbv	97
36) Benzene	6.90	78	2116787	10.109	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1373517	9.774	ppbv	99
38) Trichloroethene	7.84	130	875848	10.265	ppbv	98
39) 1,2-Dichloropropane	7.62	63	842091	10.112	ppbv	99
40) 1,4-Dioxane	7.84	88	322426	9.726	ppbv	# 1
41) Tetrahydrofuran	6.04	42	824520	10.671	ppbv	99
42) Bromodichloromethane	7.80	83	1916471	10.213	ppbv	99
43) Methyl Methacrylate	8.02	69	1002003	11.320	ppbv	99

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Instrument :
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Manual Integrations
 APPROVED

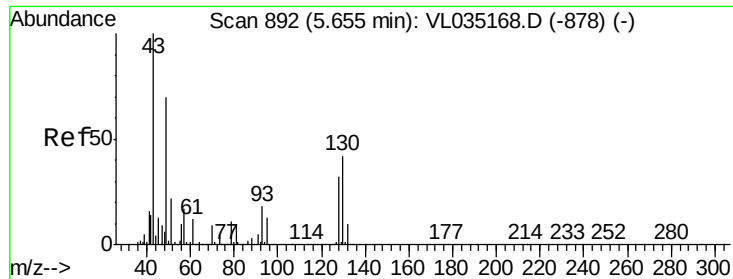
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Quant Time: Jul 08 17:58:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	3737924	10.342	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1114359	11.983	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1304359	11.831	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	930610	10.210	ppbv	97
48) Dibromochloromethane	10.33	129	1589673	10.719	ppbv	99
49) Bromoform	13.08	173	1429962	11.022	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2362553	10.660	ppbv	100
51) 2-Hexanone	10.15	43	1940911	11.485	ppbv #	99
52) Tetrachloroethene	11.25	164	782398	10.004	ppbv	98
53) Toluene	9.83	91	2518827	11.398	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1418284	10.485	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1204872	9.857	ppbv	98
57) Chlorobenzene	12.18	112	1988173	9.777	ppbv	98
58) Ethyl Benzene	12.74	91	3462649	11.355	ppbv	98
59) m/p-Xylene	13.02	91	5850571m	21.526	ppbv	
60) o-Xylene	13.73	91	2905411	10.715	ppbv	100
61) Styrene	13.56	104	2040768	12.180	ppbv	99
62) Isopropylbenzene	14.70	105	4295782	10.688	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2111153	9.317	ppbv	100
64) n-propylbenzene	15.60	120	1136308	10.944	ppbv	98
65) tert-Butylbenzene	16.79	119	3808252	10.550	ppbv	99
66) Benzyl Chloride	17.04	91	1611663	12.532	ppbv	99
67) sec-Butylbenzene	17.34	105	5488342	10.429	ppbv	100
69) p-Isopropyltoluene	17.70	119	4557654	11.050	ppbv	100
70) n-Butylbenzene	18.59	91	4806132	10.990	ppbv	100
71) 2-Chlorotoluene	15.49	91	3342331	10.990	ppbv	100
72) 4-Ethyltoluene	15.88	105	3450180	11.292	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3271076	11.102	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3409922	10.473	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1962508	9.518	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1965826	10.259	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1893510	10.199	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1356295	9.245	ppbv	100
79) Naphthalene	22.26	128	2779141	13.191	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	972389	19.539	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1559465	11.684	ppbv	100

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



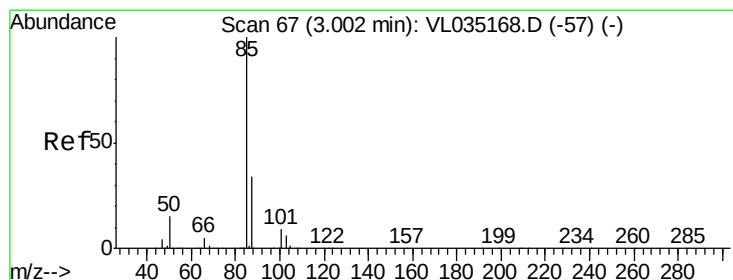
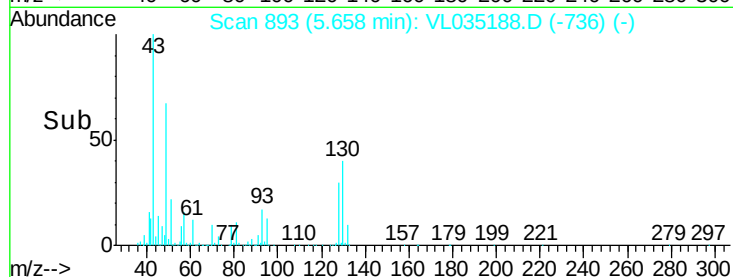
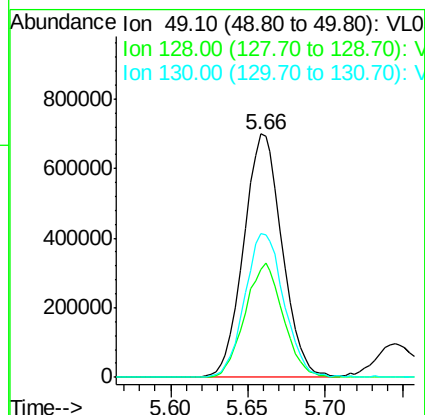
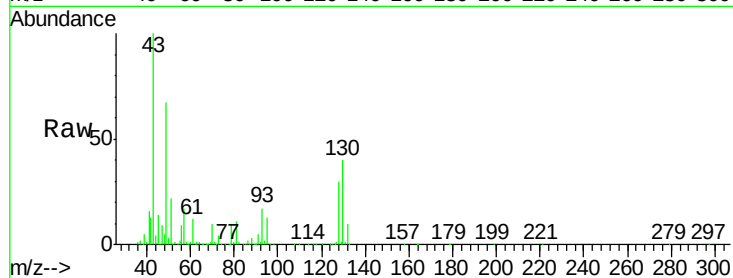
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.8	23.8	71.4
130	60.8	29.9	89.8

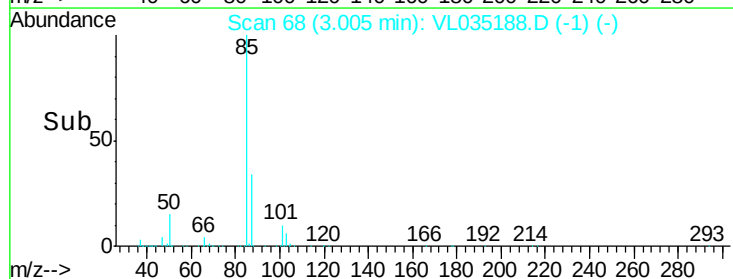
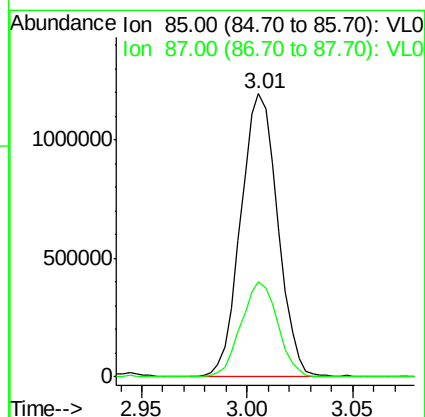
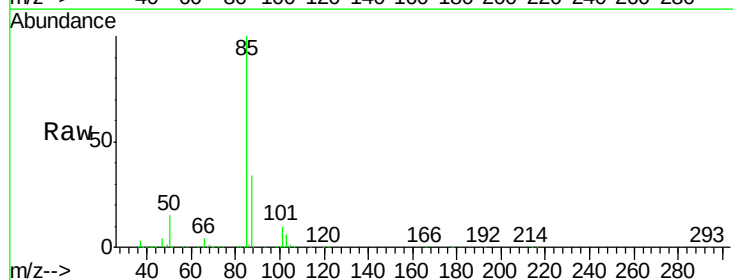
Manual Integrations
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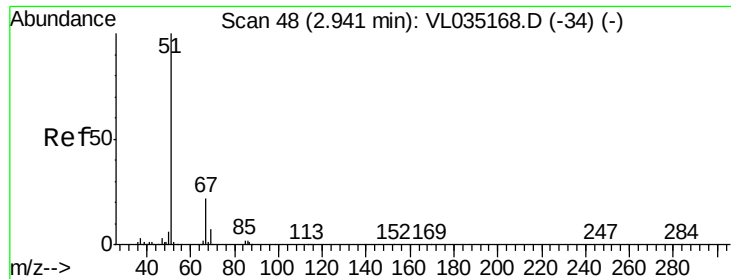
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#2
Dichlorodifluoromethane
Concen: 8.609 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	27.0	40.6





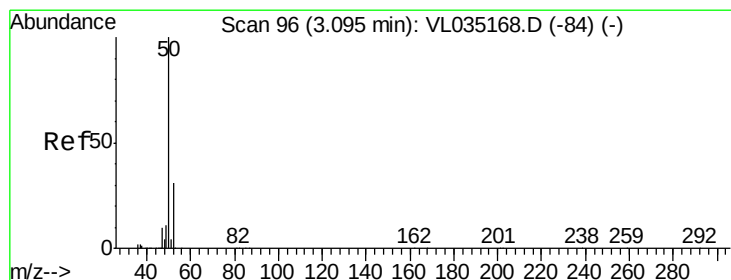
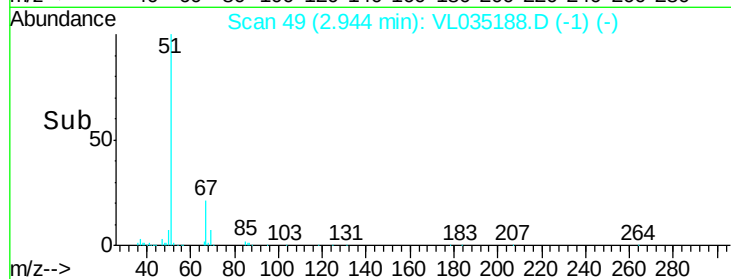
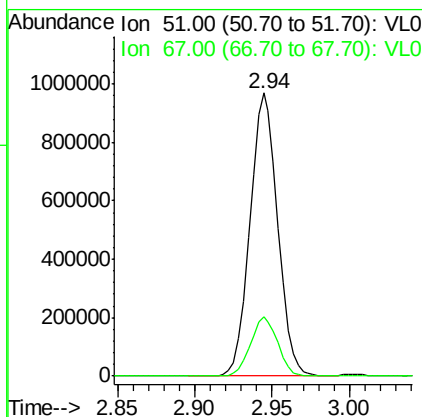
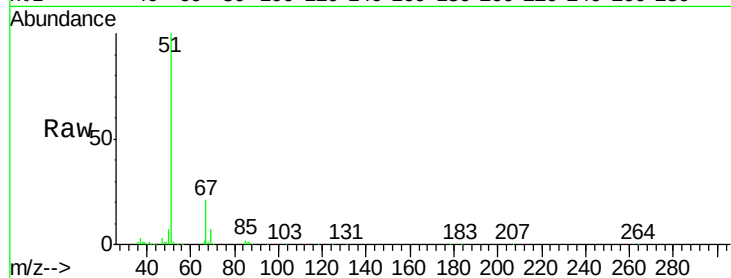
#3
Chlorodifluoromethane
Concen: 9.069 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1210296
Ion Ratio Lower Upper
51 100
67 20.5 16.6 24.8

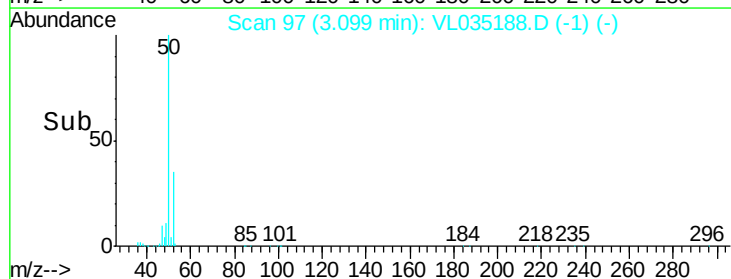
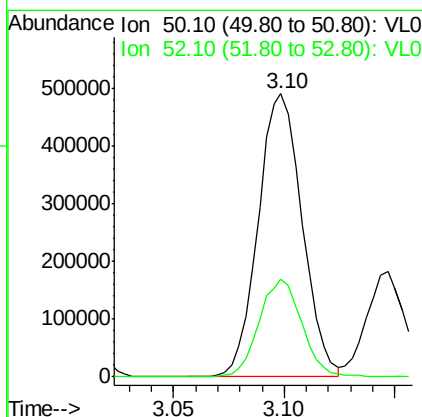
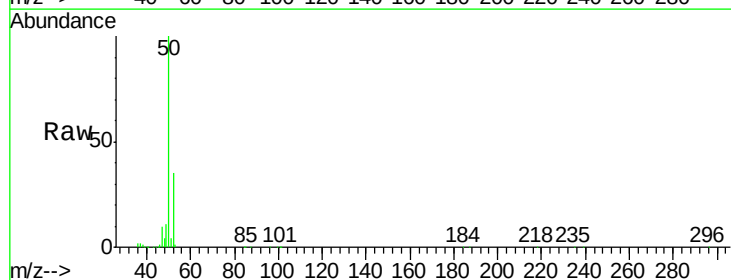
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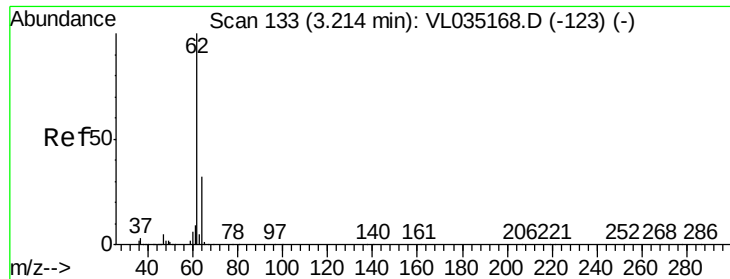
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#4
Chloromethane
Concen: 9.001 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 50 Resp: 677048
Ion Ratio Lower Upper
50 100
52 34.8 25.0 37.6





#5

Vinyl Chloride

Concen: 8.555 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 687680

Ion Ratio Lower Upper

62 100

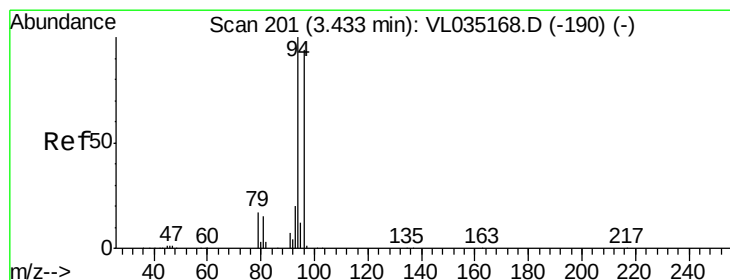
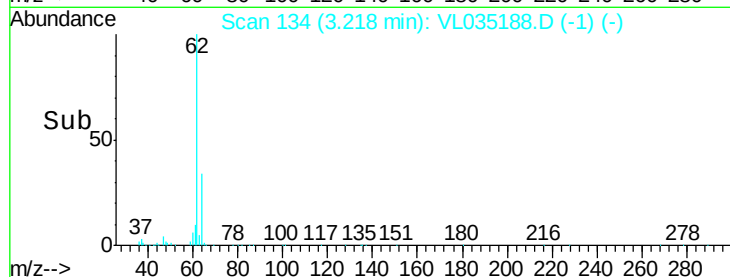
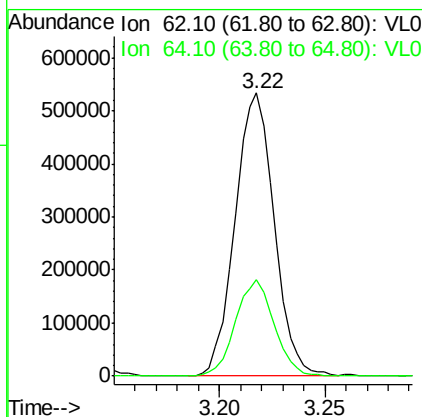
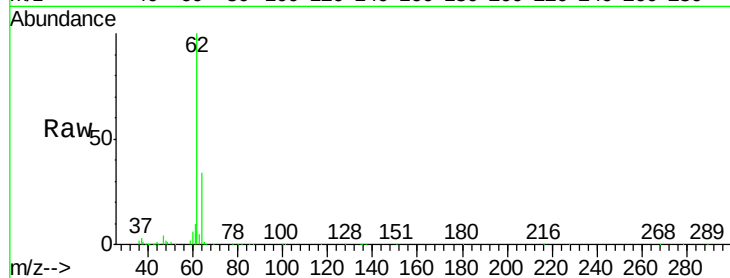
64 34.0 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 9.616 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL035188.D

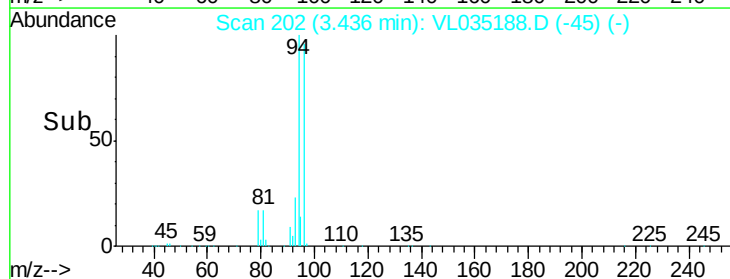
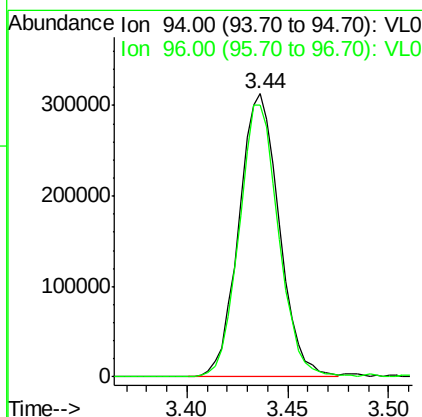
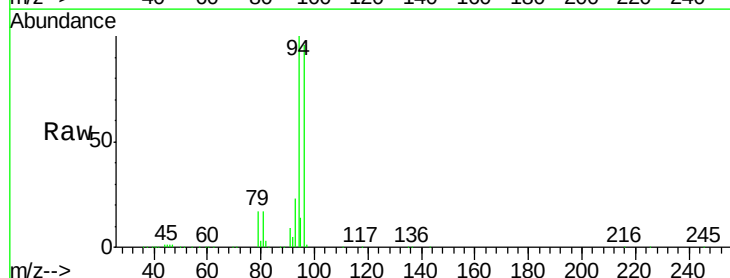
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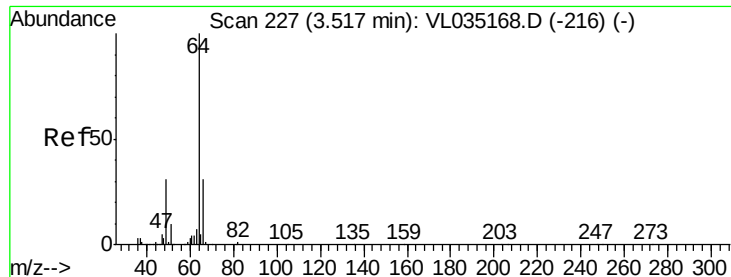
Tgt Ion: 94 Resp: 438665

Ion Ratio Lower Upper

94 100

96 95.8 74.8 112.2





#7

Chloroethane

Concen: 9.099 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 258566

Ion Ratio Lower Upper

64 100

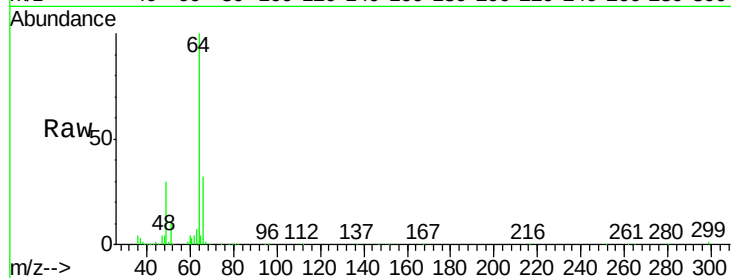
66 31.7 24.6 36.8

Manual Integrations

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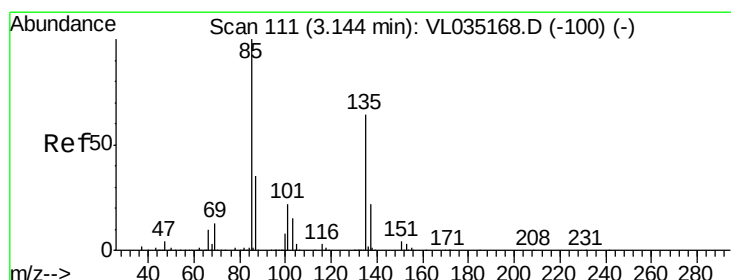
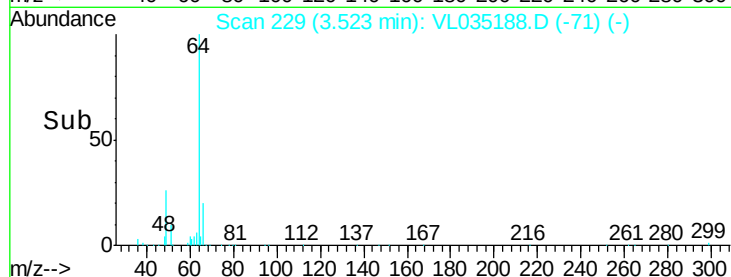
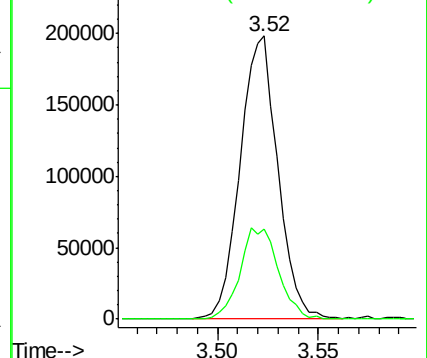
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.979 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL035188.D

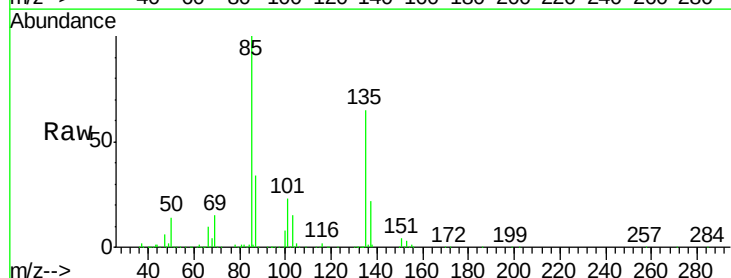
Acq: 8 Jul 2020 17:05

Tgt Ion: 85 Resp: 1666462

Ion Ratio Lower Upper

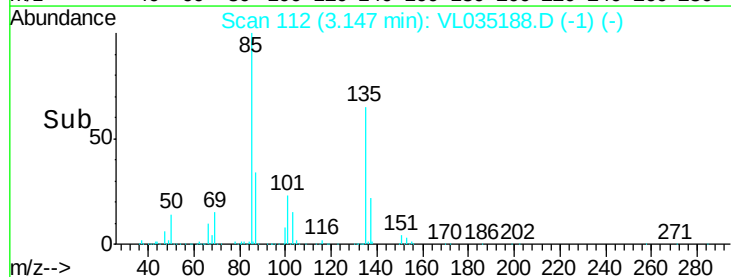
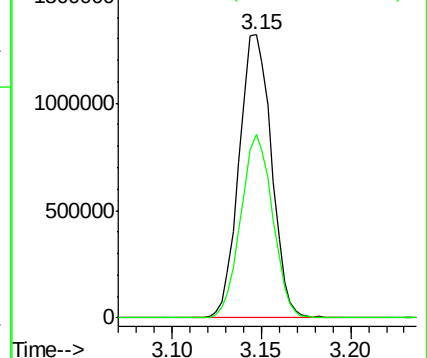
85 100

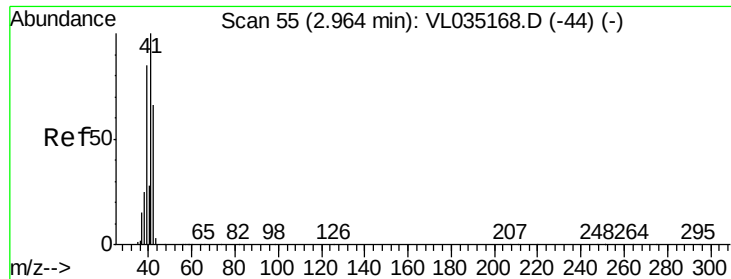
135 63.7 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





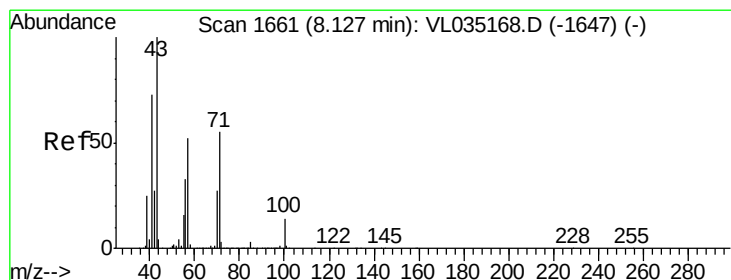
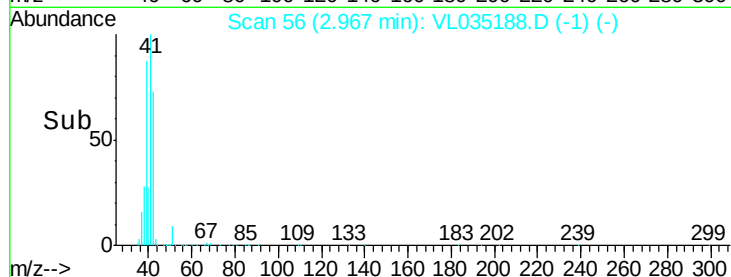
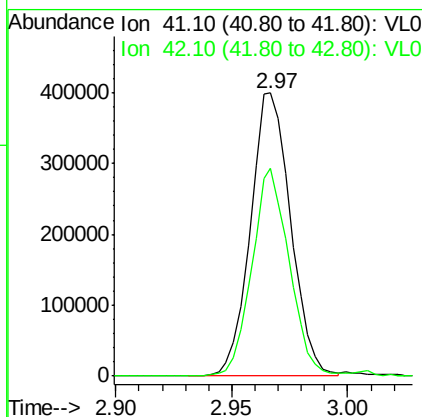
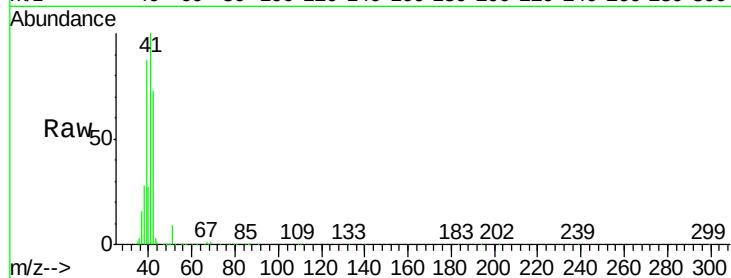
#9
 Propene
 Concen: 9.570 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 482703
 Ion Ratio Lower Upper
 41 100
 42 69.7 54.6 81.8

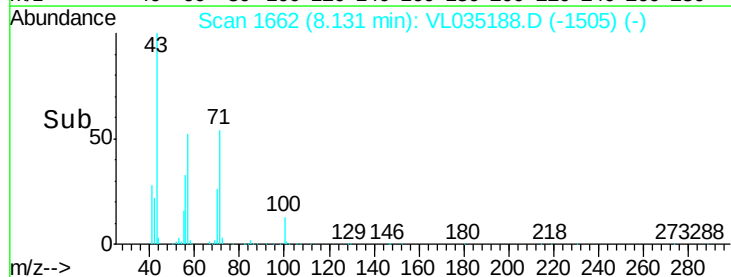
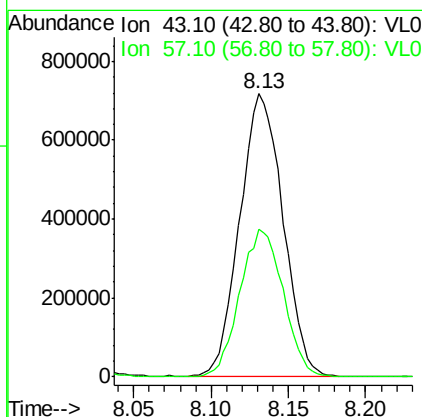
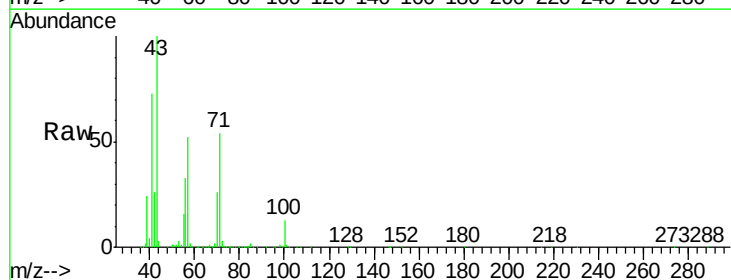
Manual Integrations
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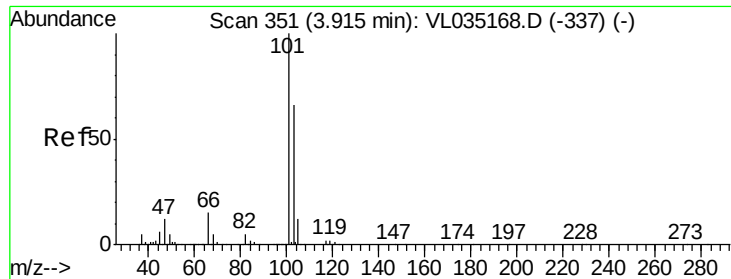
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#10
 Heptane
 Concen: 10.720 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 43 Resp: 1388153
 Ion Ratio Lower Upper
 43 100
 57 52.8 41.8 62.6





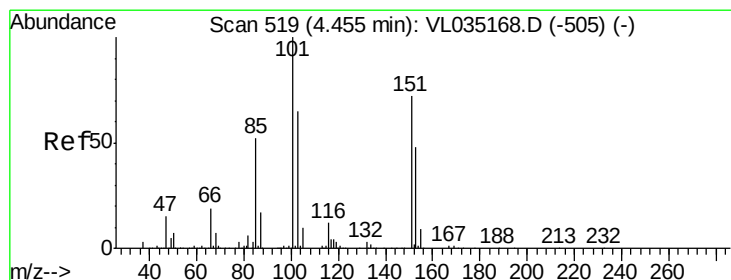
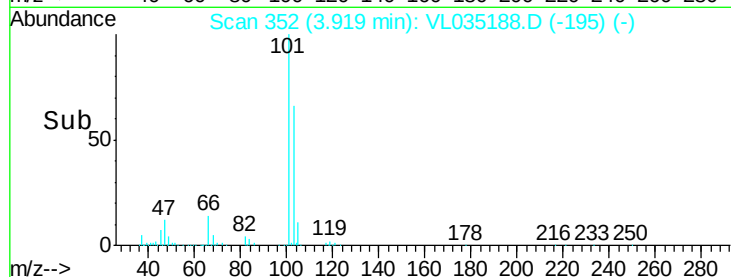
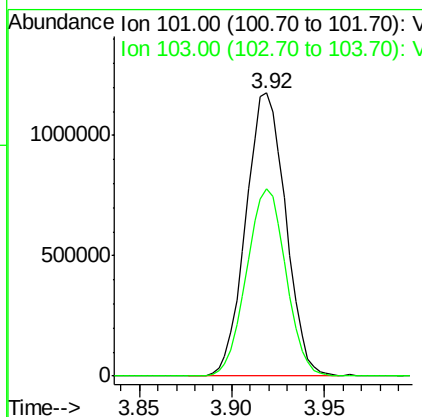
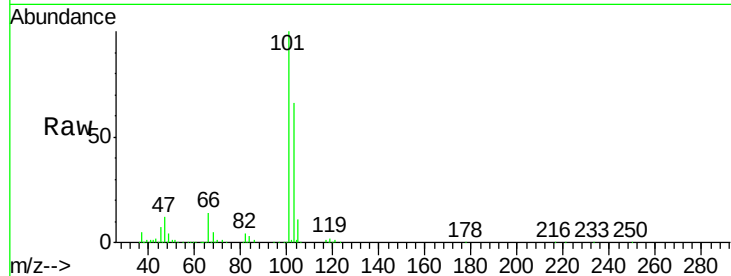
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 Trichlorofluoromethane
 Concen: 9.251 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1768999
 Ion Ratio Lower Upper
 101 100
 103 66.4 53.1 79.7

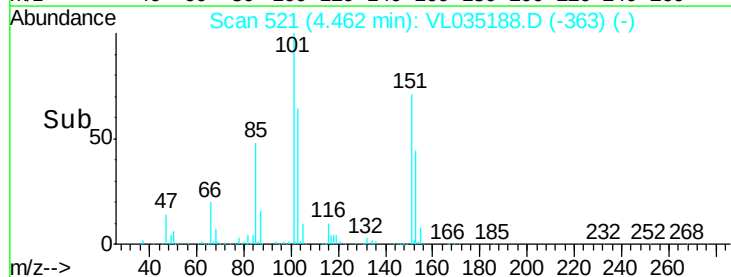
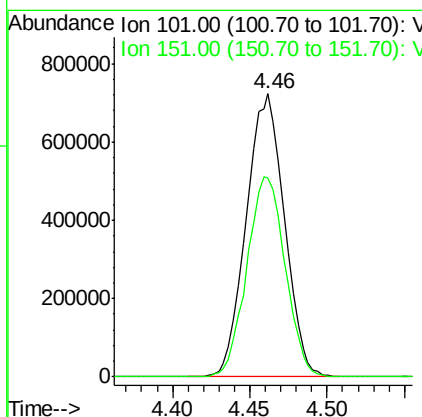
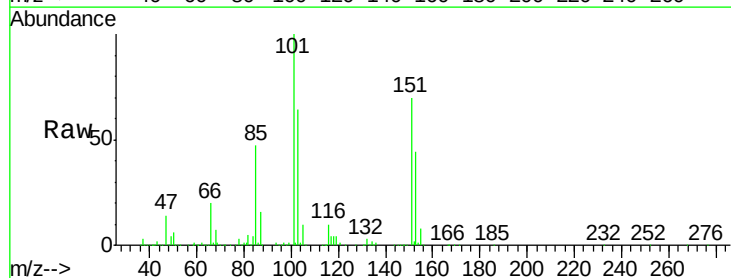
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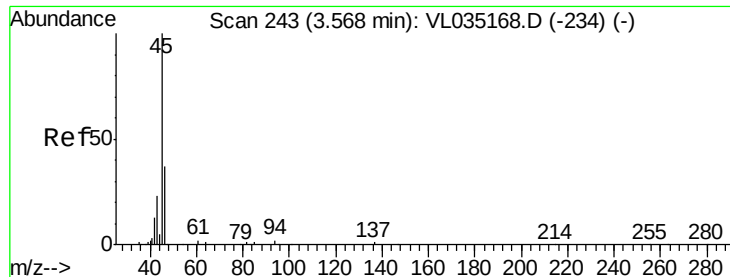
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.262 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion:101 Resp: 1243821
 Ion Ratio Lower Upper
 101 100
 151 71.2 57.0 85.4





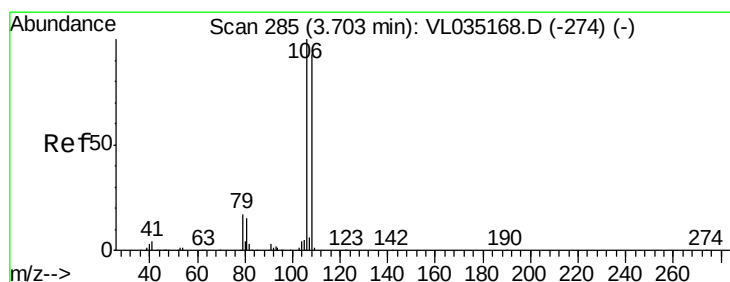
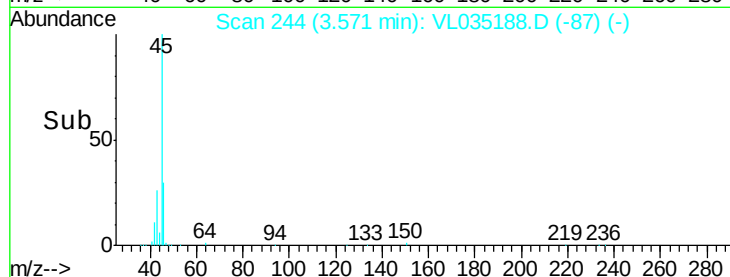
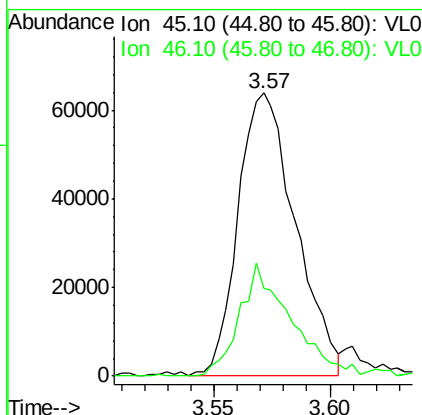
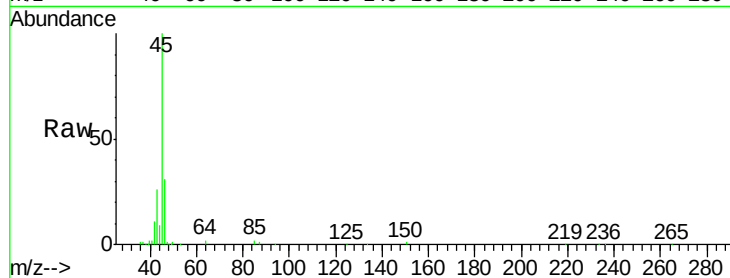
#13
Ethanol
Concen: 6.801 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	109220
Ion Ratio	100	Lower	Upper
46	37.3	16.2	65.0

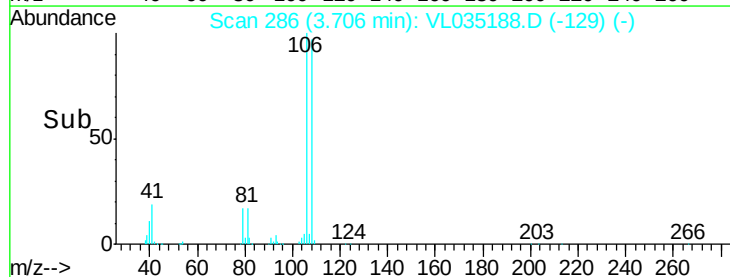
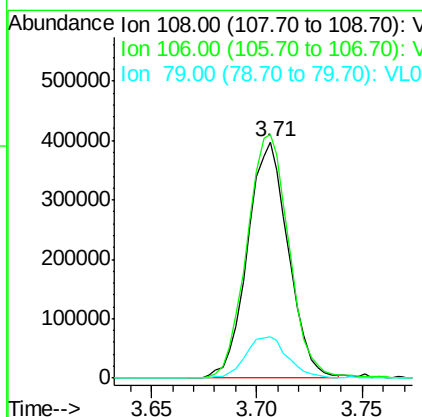
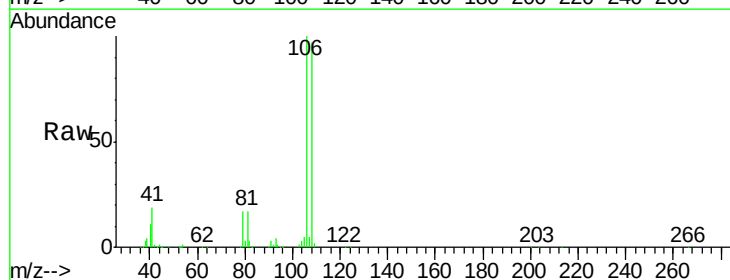
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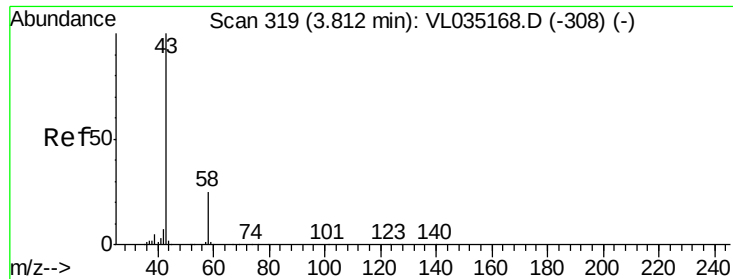
MMDadoda
7/9/2020 12:03:03 PM



#14
Bromoethene
Concen: 9.669 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion	108	Resp	534373
Ion Ratio	100	Lower	Upper
106	107.3	86.2	129.2
79	18.5	15.0	22.6





#15

Acetone

Concen: 7.917 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1295088

Ion Ratio Lower Upper

43 100

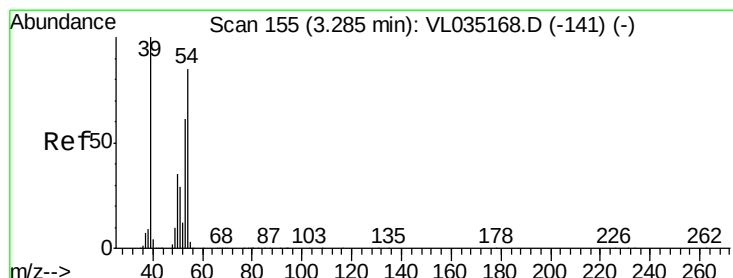
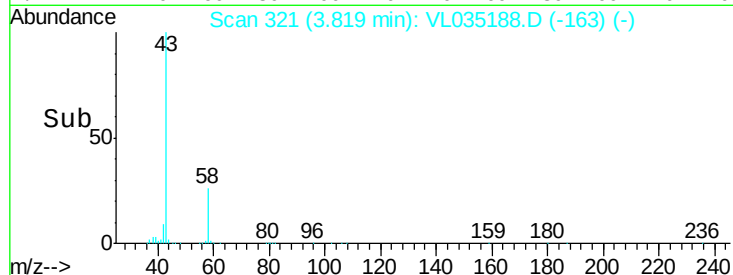
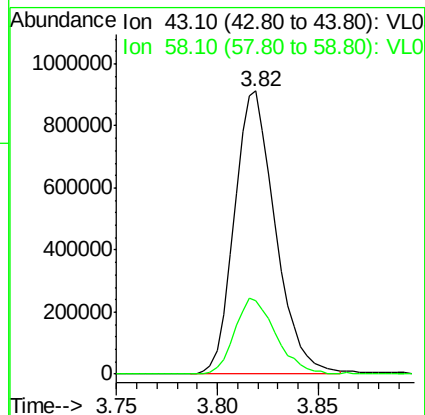
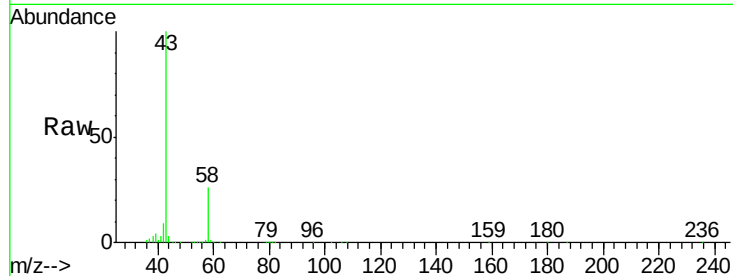
58 27.2 21.3 31.9

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#16

1,3-Butadiene

Concen: 10.011 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035188.D

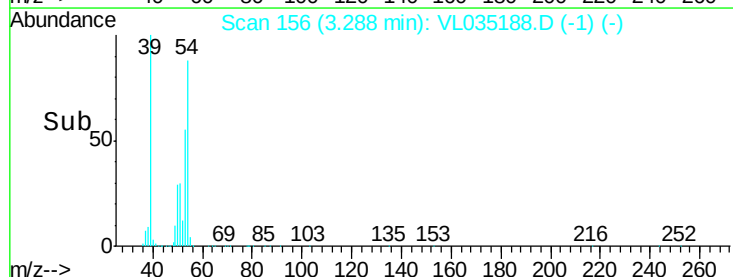
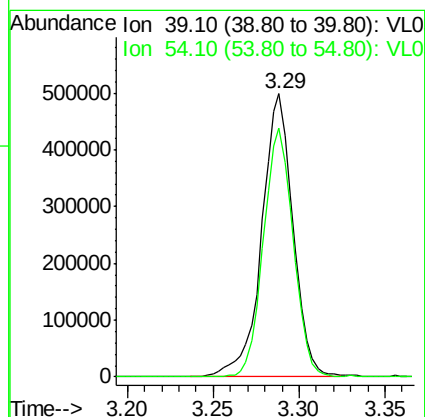
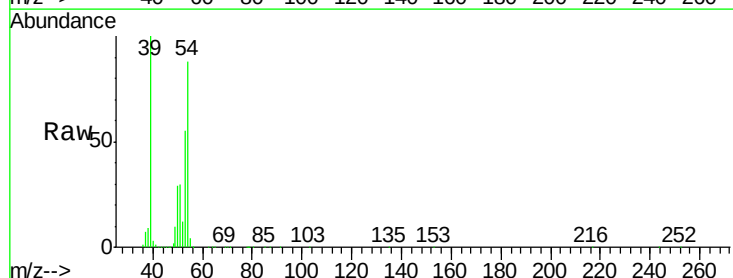
Acq: 8 Jul 2020 17:05

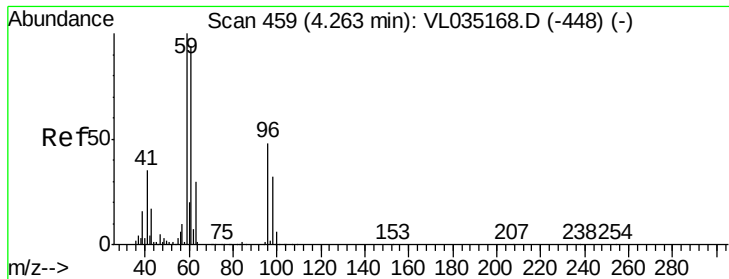
Tgt Ion: 39 Resp: 628563

Ion Ratio Lower Upper

39 100

54 83.9 67.2 100.8





#17

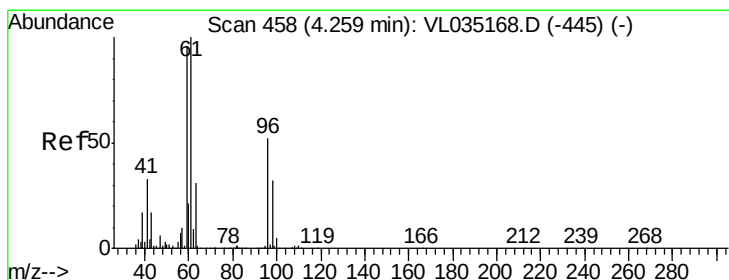
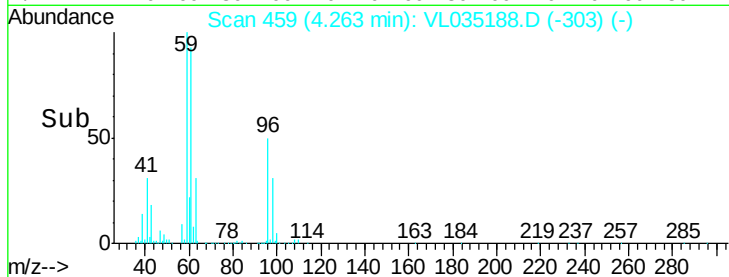
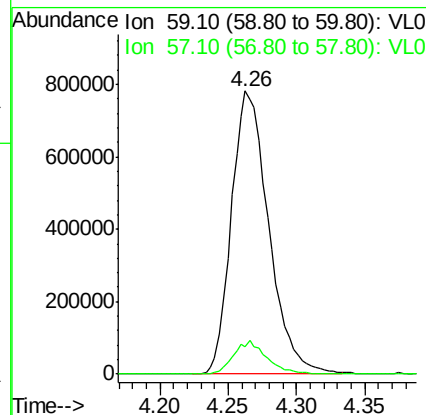
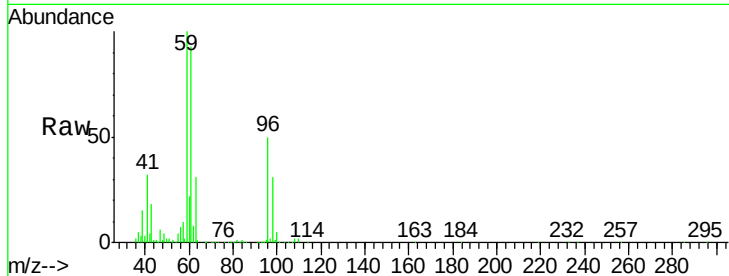
tert-Butyl alcohol
Concen: 10.255 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1484243
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8

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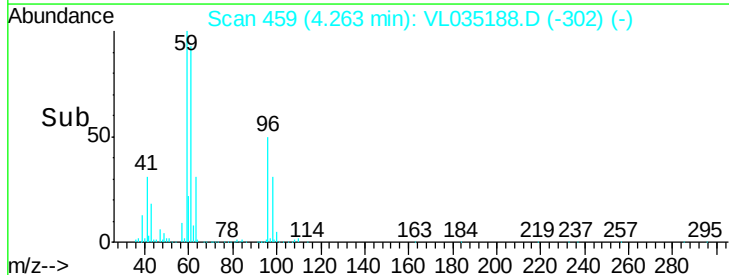
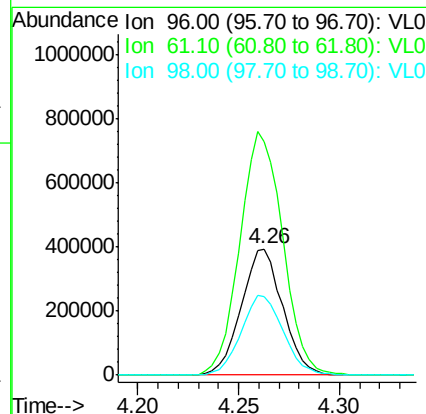
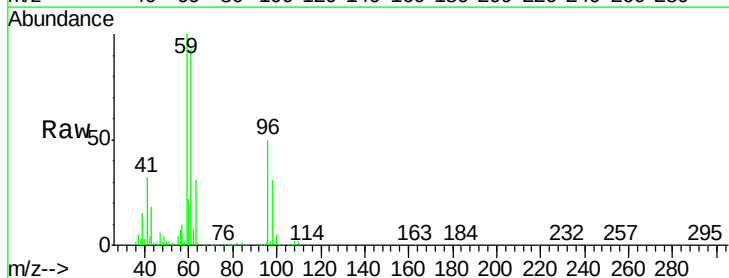
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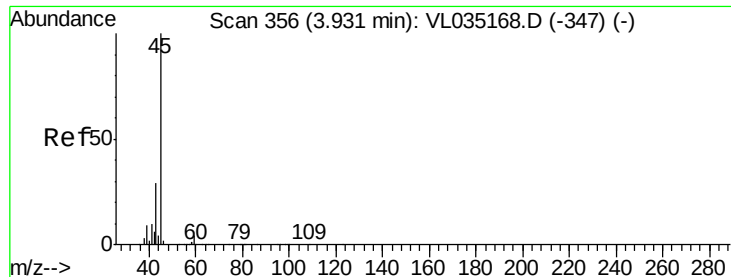


#18

1,1-Dichloroethene
Concen: 9.496 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 96 Resp: 564632
Ion Ratio Lower Upper
96 100
61 184.6 152.9 229.3
98 62.5 48.7 73.1





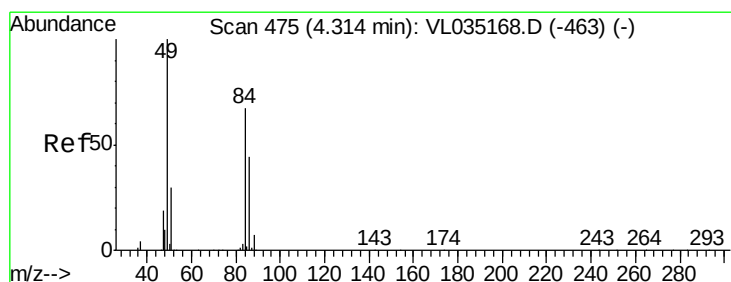
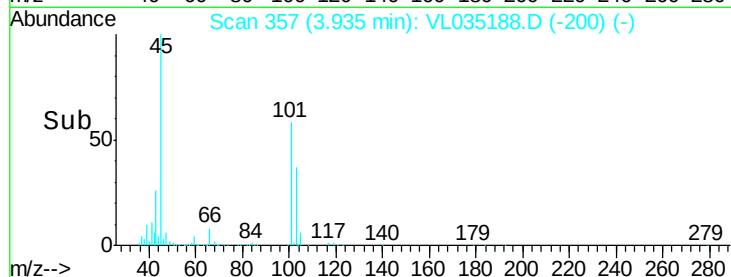
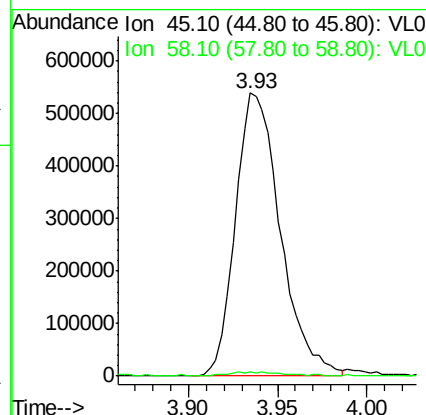
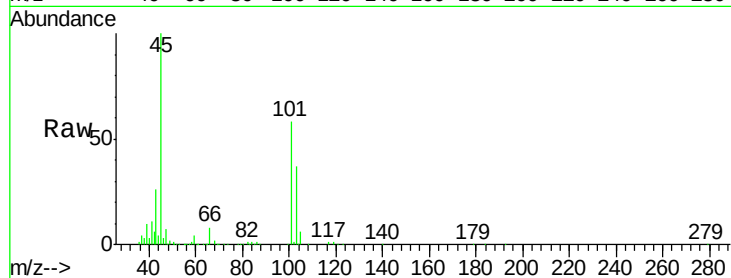
#19
Isopropyl Alcohol
Concen: 9.608 ppbv
RT: 3.93 min Scan# 357
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 948173
Ion Ratio Lower Upper
45 100
58 1.9 2.1 3.1#

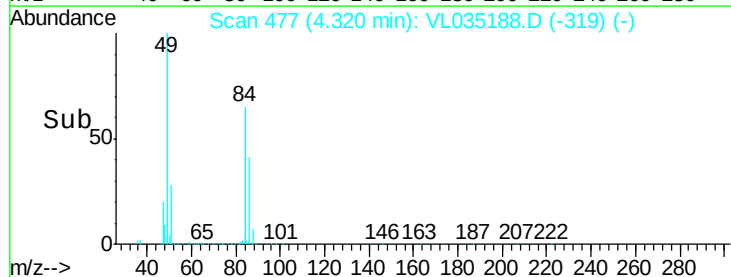
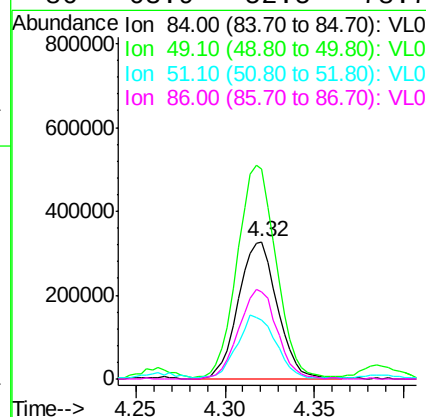
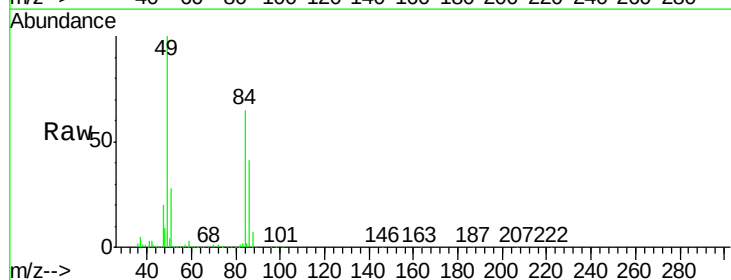
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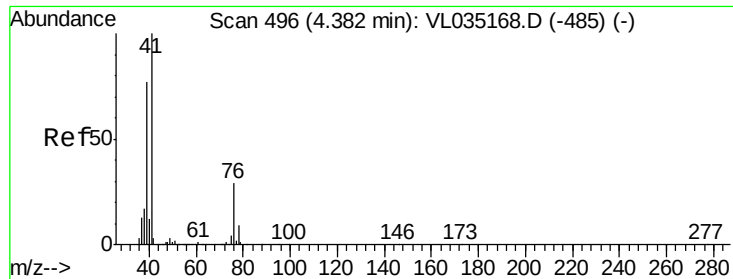
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#20
Methylene Chloride
Concen: 6.954 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 84 Resp: 494983
Ion Ratio Lower Upper
84 100
49 153.1 119.4 179.0
51 42.9 36.6 55.0
86 63.9 52.5 78.7





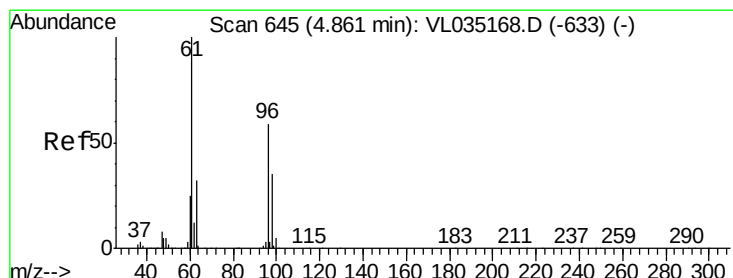
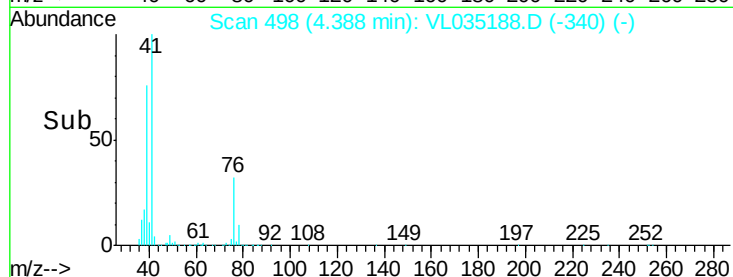
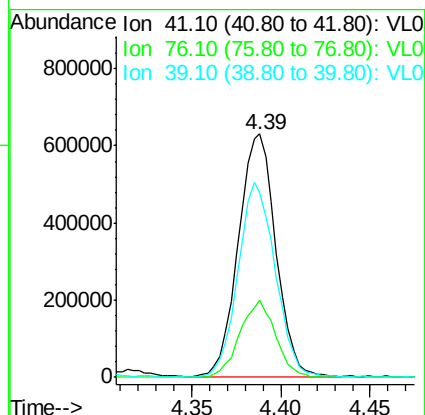
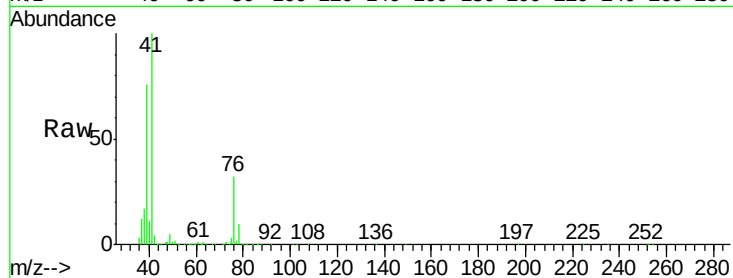
#21
Allvl Chloride
Concen: 9.677 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.4	23.5	35.3
39	80.1	63.4	95.0

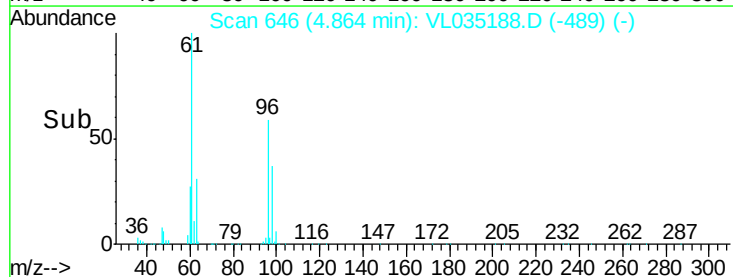
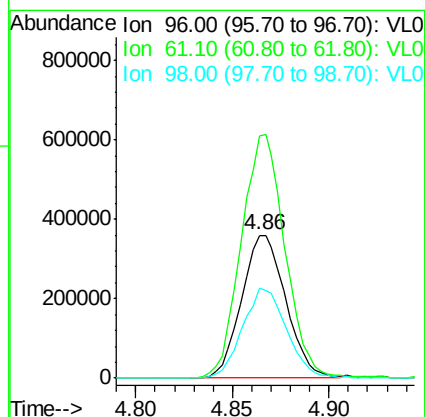
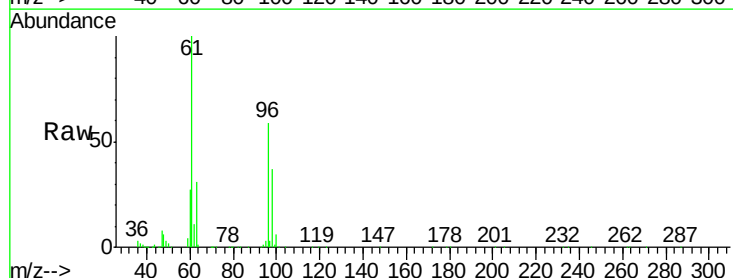
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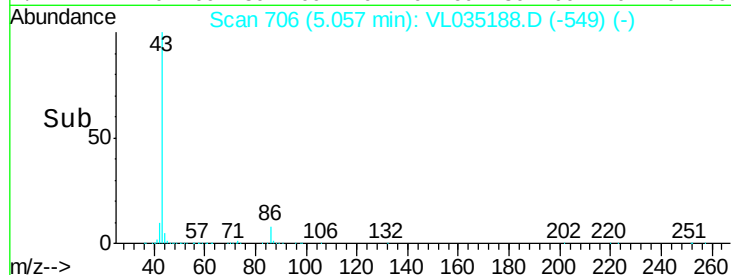
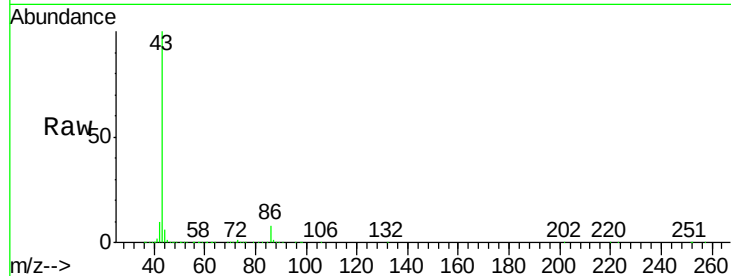
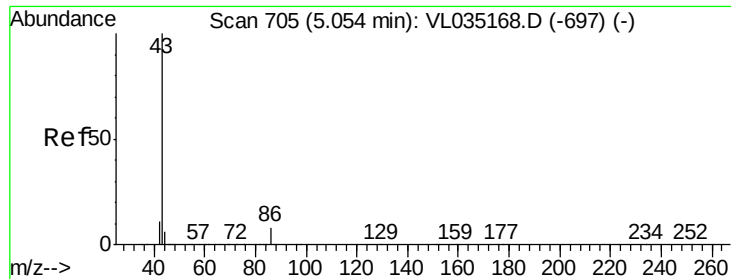
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#22
trans-1,2-Dichloroethene
Concen: 9.616 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.1	136.5	204.7
98	62.6	47.5	71.3





#23

Vinyl Acetate

Concen: 9.955 ppbv

RT: 5.06 min Scan# 706

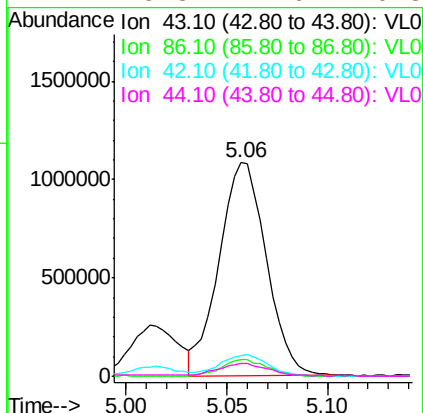
Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Tot Ion: 43 Resp: 1762694

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.2	9.2
42	9.8	9.1	13.7
44	5.3	4.6	6.8



Instrument :

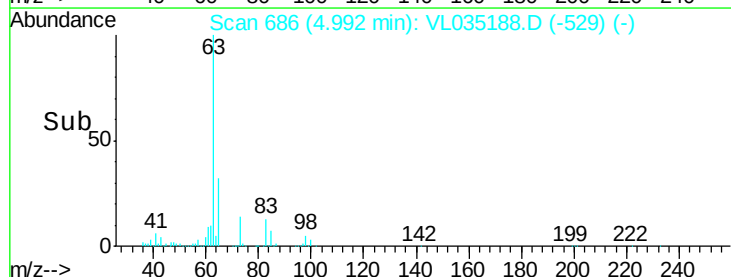
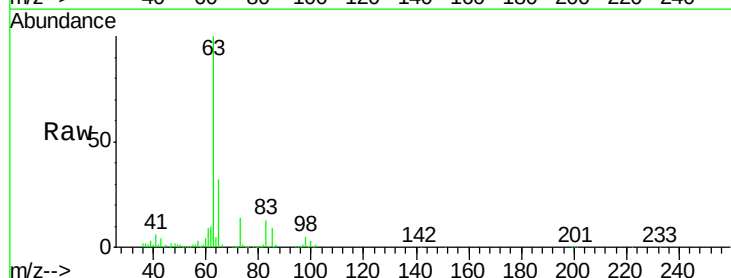
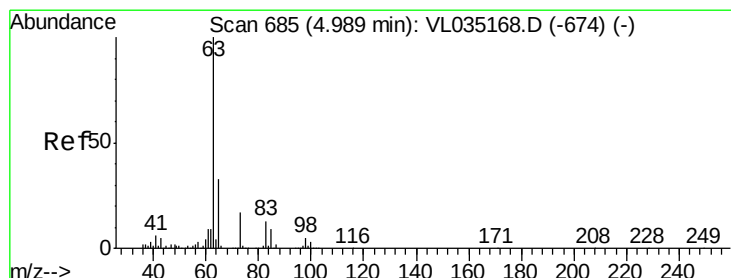
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#24

1,1-Dichloroethane

Concen: 9.297 ppbv

RT: 4.99 min Scan# 686

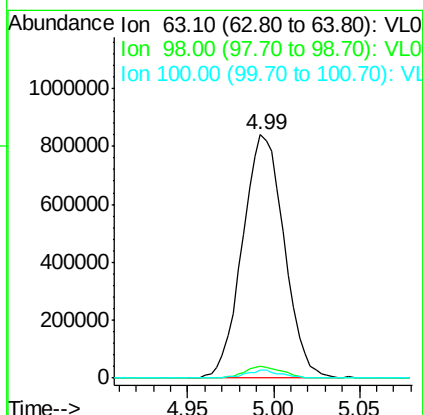
Delta R.T. 0.00 min

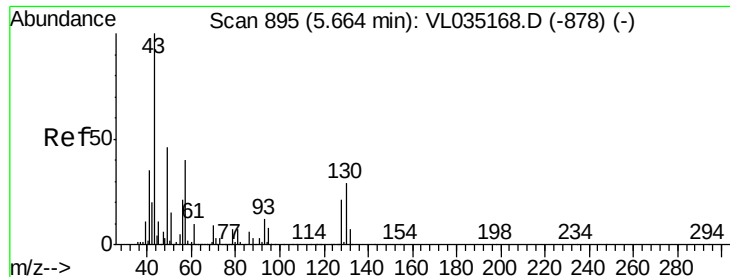
Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Tgt Ion: 63 Resp: 1413720

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.4	7.1
100	3.3	1.4	4.0





#25

Ethyl Acetate

Concen: 9.600 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2436901

Ion Ratio Lower Upper

43 100

45 10.5 8.5 12.7

61 10.0 8.1 12.1

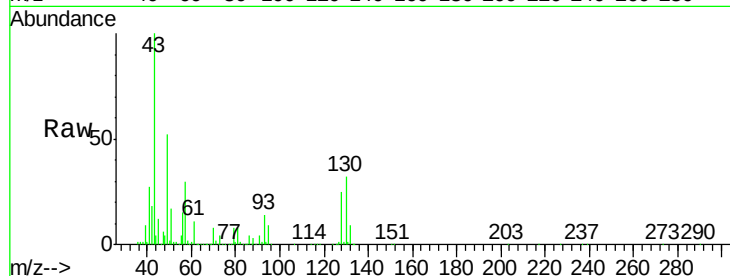
70 7.9 6.3 9.5

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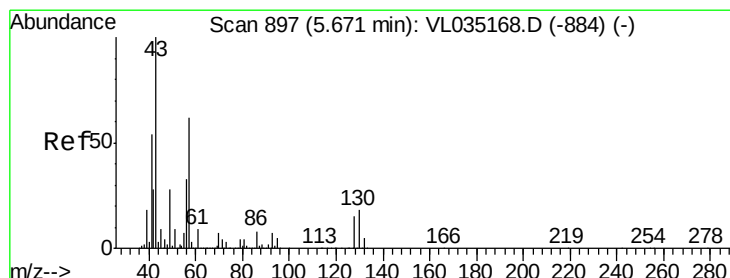
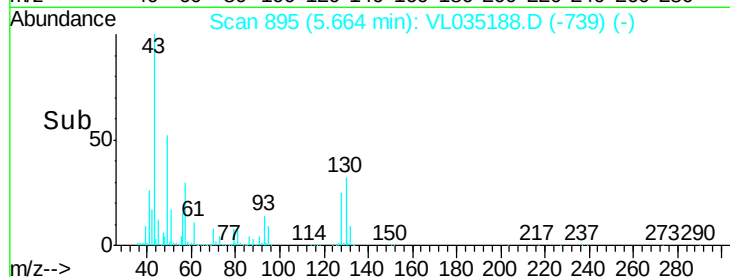
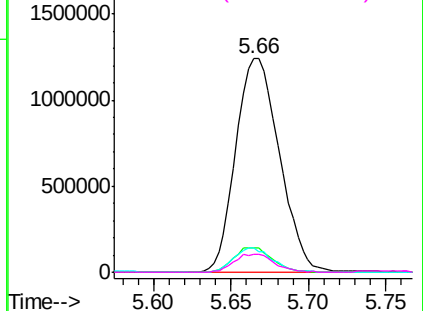


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.673 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Tgt Ion: 57 Resp: 1082687

Ion Ratio Lower Upper

57 100

41 93.2 72.9 109.3

43 226.2 179.5 269.3

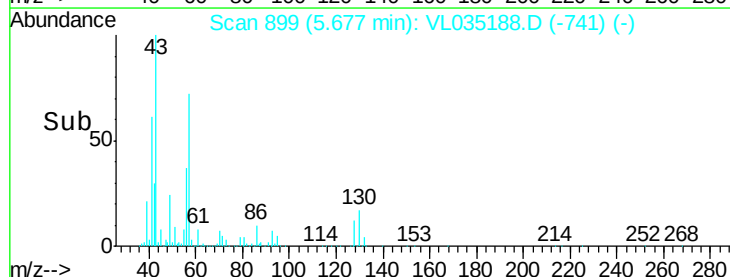
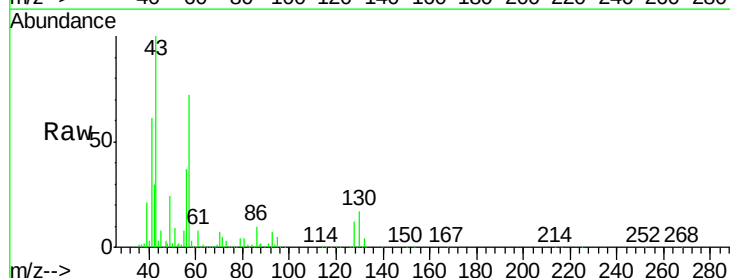
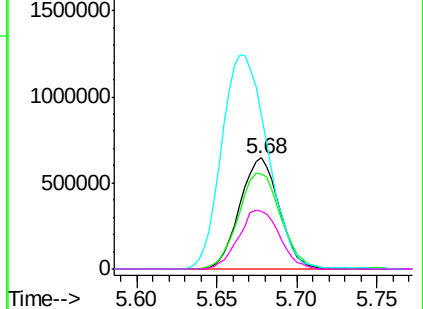
56 54.7 42.9 64.3

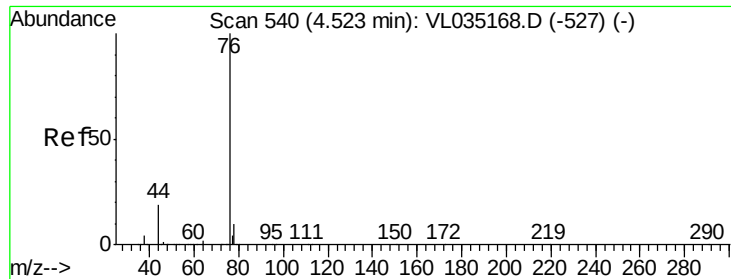
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.030 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1567697

Ion Ratio Lower Upper

76 100

44 18.7 14.9 22.3

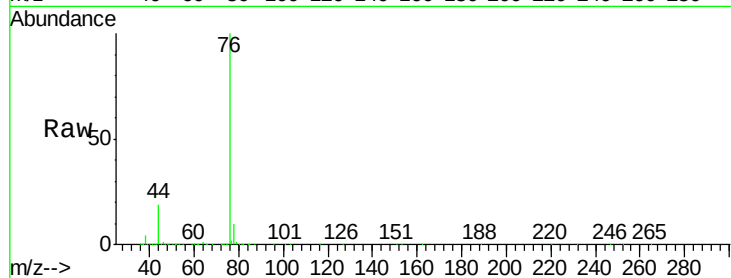
78 9.5 7.5 11.3

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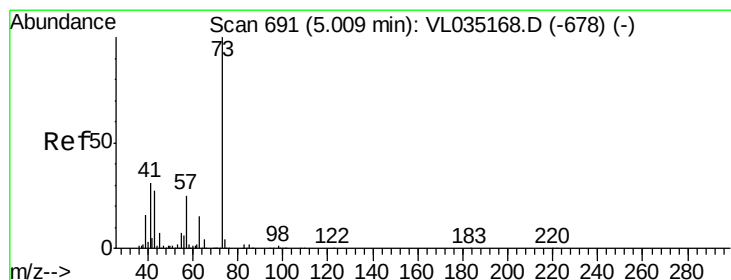
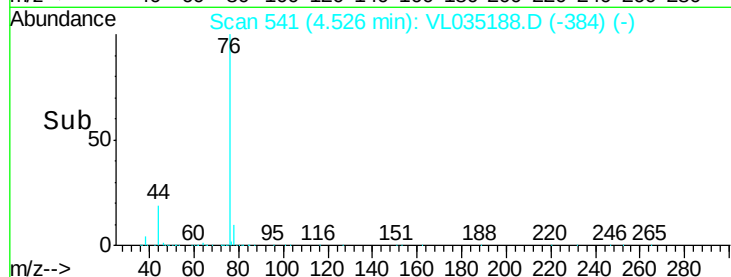
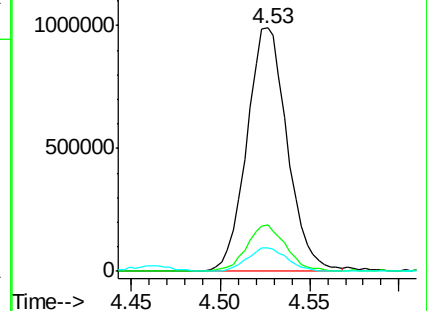
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.843 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.01 min

Lab File: VL035188.D

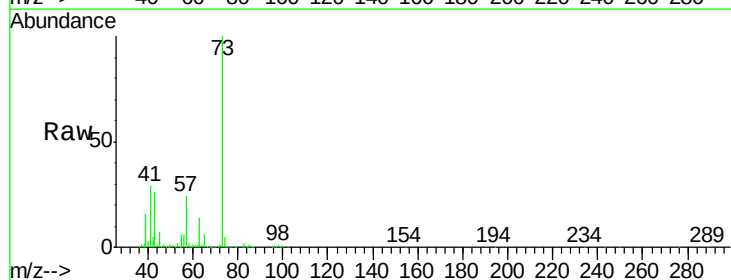
Acq: 8 Jul 2020 17:05

Tgt Ion: 73 Resp: 1678574

Ion Ratio Lower Upper

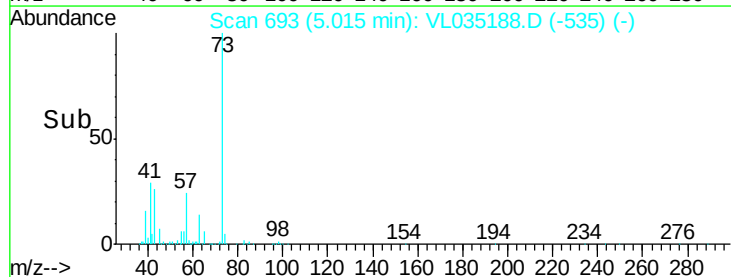
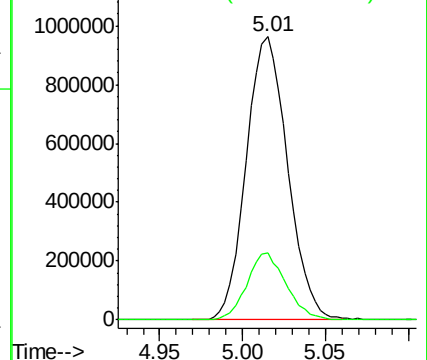
73 100

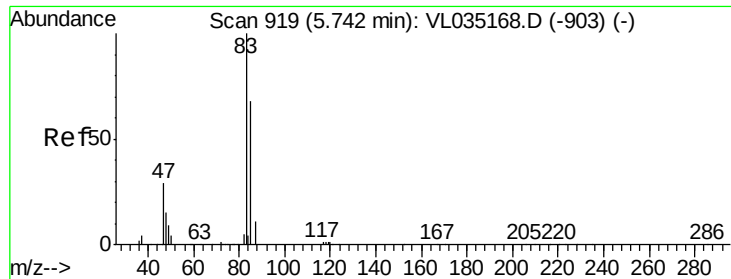
57 22.5 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





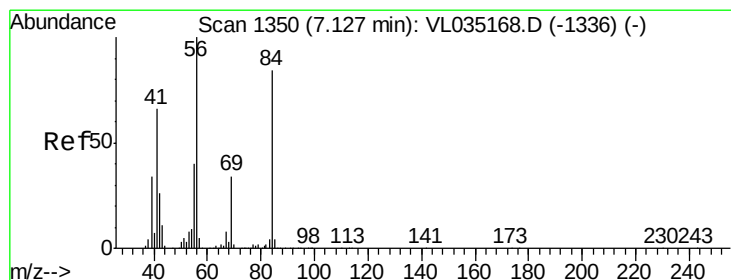
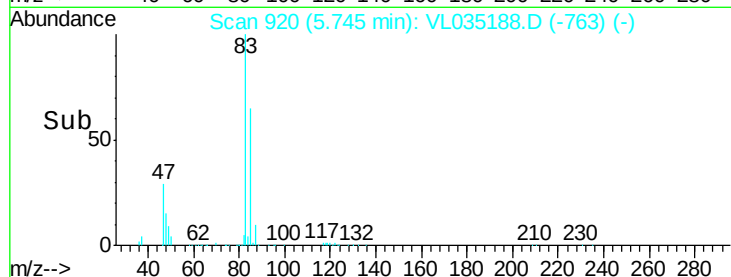
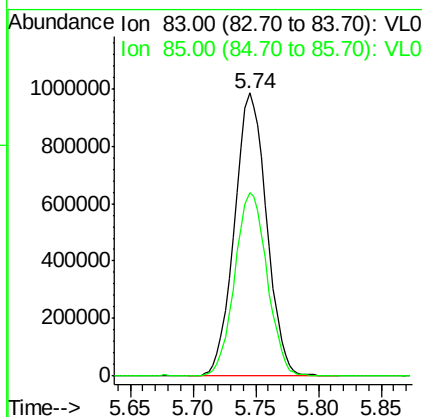
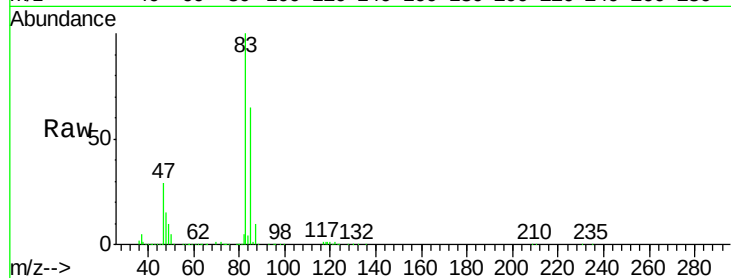
#29
Chloroform
Concen: 9.347 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1753986
Ion Ratio Lower Upper
83 100
85 65.0 54.3 81.5

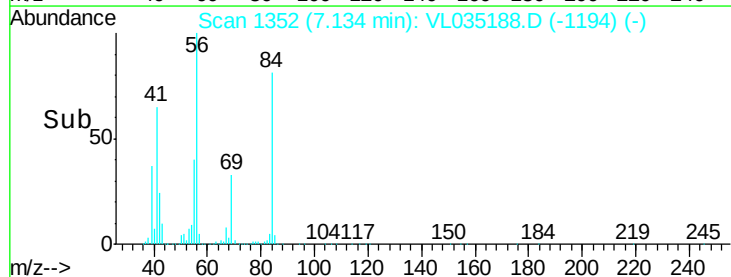
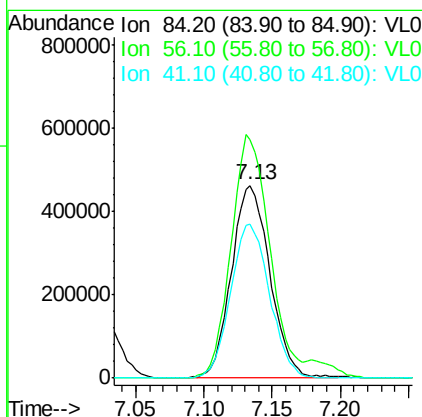
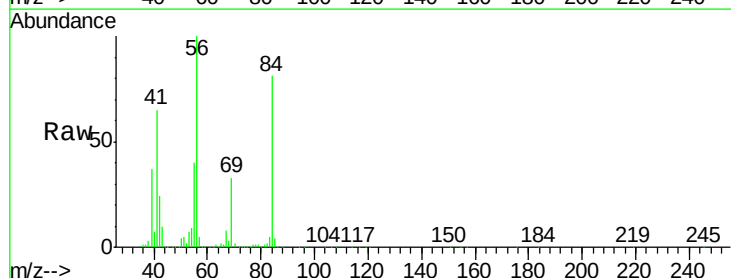
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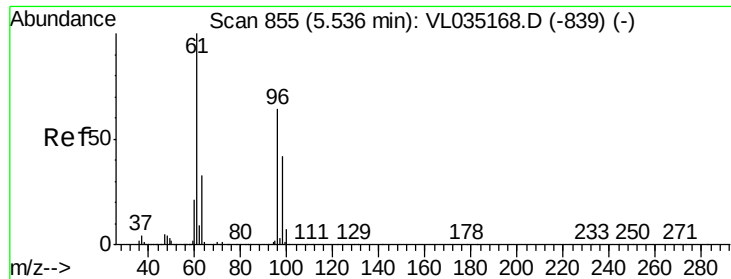
MMDadoda
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#30
Cyclohexane
Concen: 11.013 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 84 Resp: 912049
Ion Ratio Lower Upper
84 100
56 132.3 105.6 158.4
41 80.8 64.9 97.3





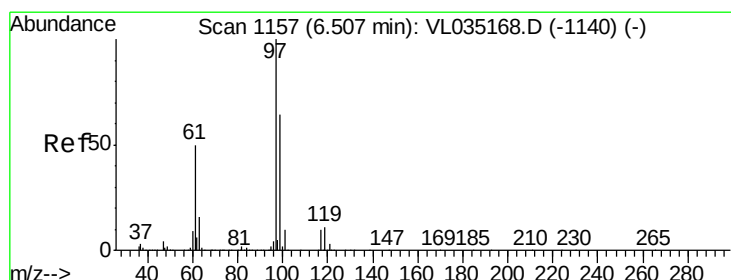
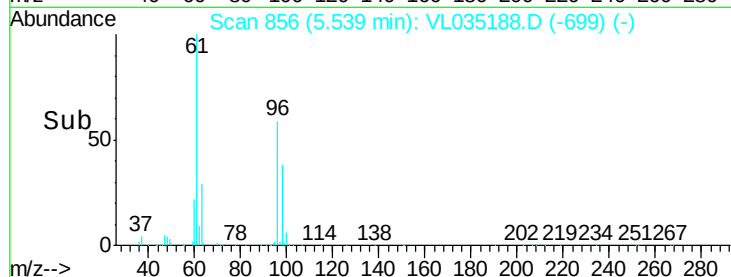
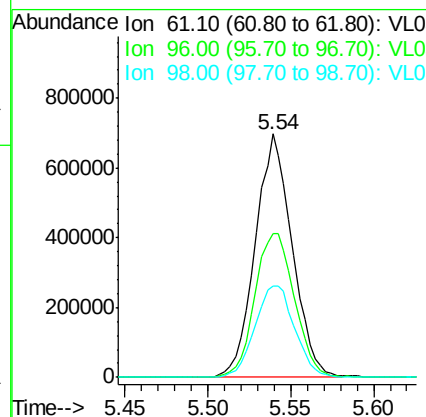
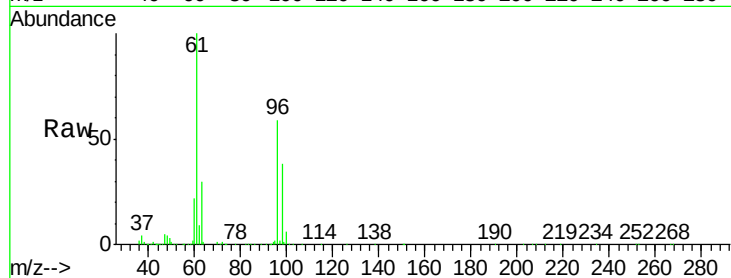
#31
 cis-1,2-Dichloroethene
 Concen: 10.184 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 61 Resp: 1078189
 Ion Ratio Lower Upper
 61 100
 96 59.0 51.3 76.9
 98 37.7 33.8 50.8

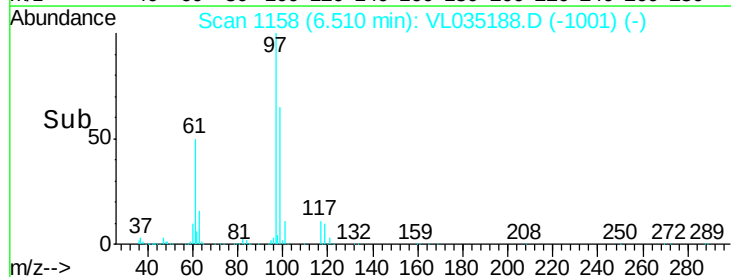
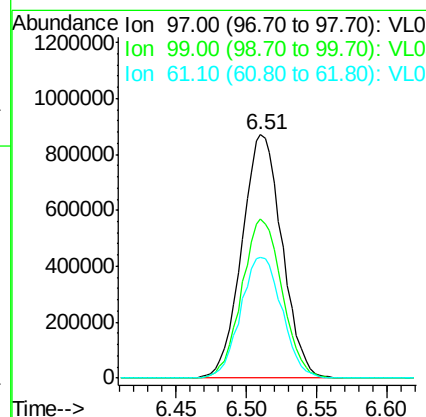
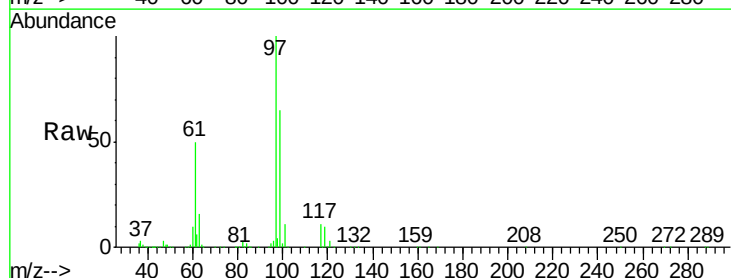
Manual Integrations
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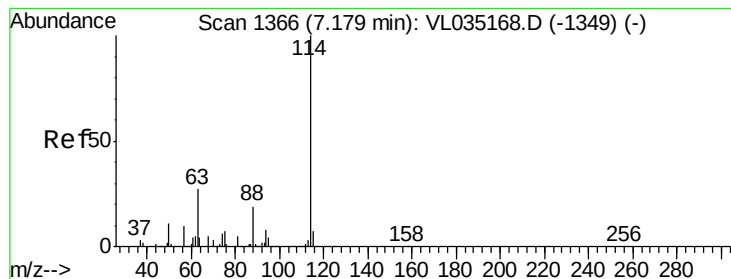
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#32
 1,1,1-Trichloroethane
 Concen: 9.232 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 97 Resp: 1736291
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.2 76.8
 61 51.3 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 2893170

Ion Ratio Lower Upper

114 100

63 27.4 22.0 33.0

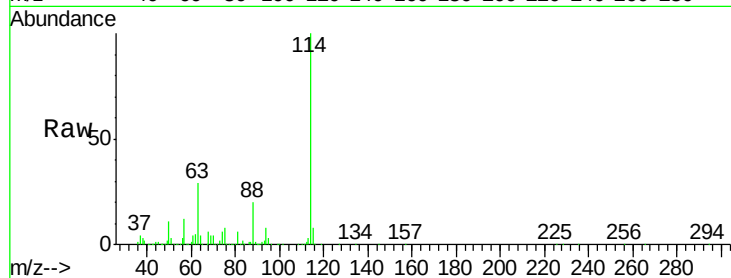
88 19.2 15.4 23.0

Manual Integrations

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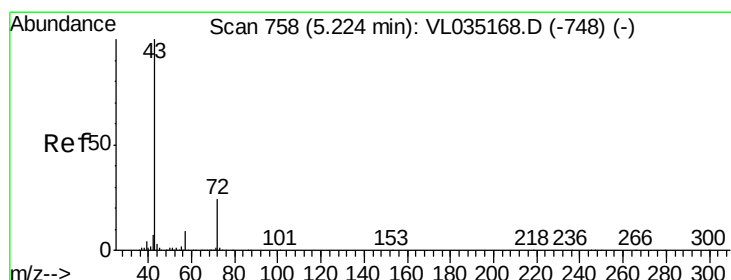
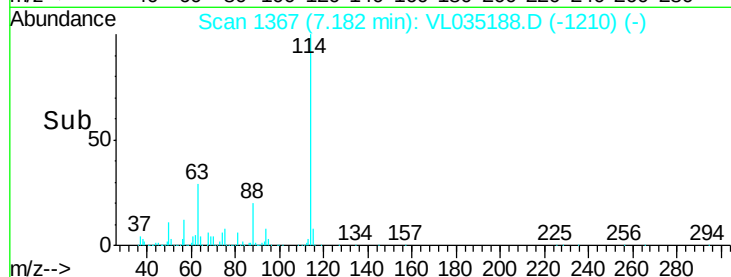
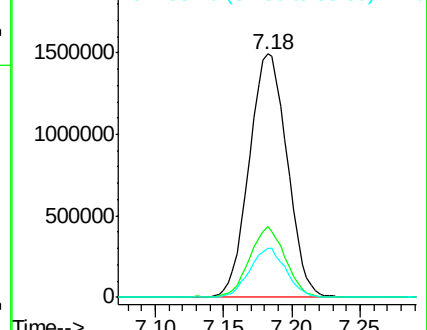
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.812 ppbv

RT: 5.23 min Scan# 759

Delta R.T. 0.00 min

Lab File: VL035188.D

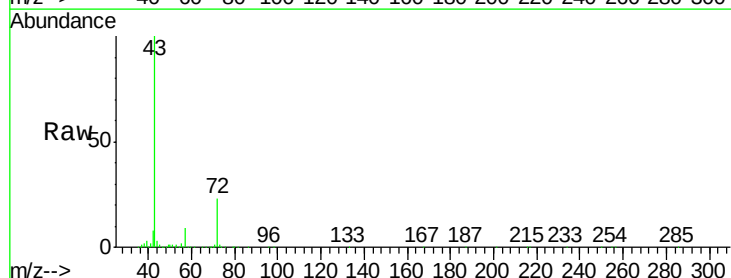
Acq: 8 Jul 2020 17:05

Tgt Ion: 43 Resp: 1515184

Ion Ratio Lower Upper

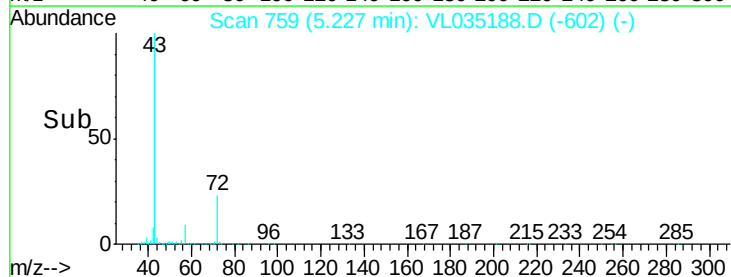
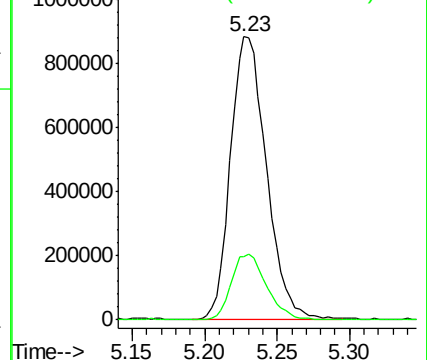
43 100

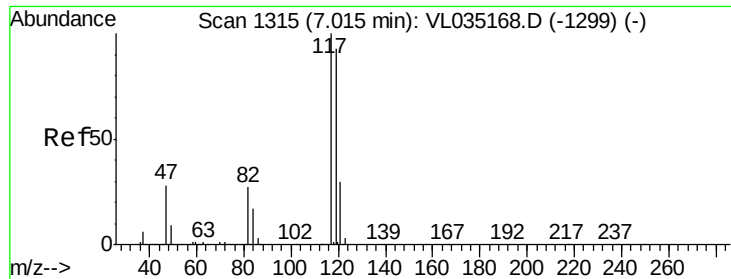
72 23.0 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.712 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1823988

Ion Ratio Lower Upper

117 100

119 96.9 74.8 112.2

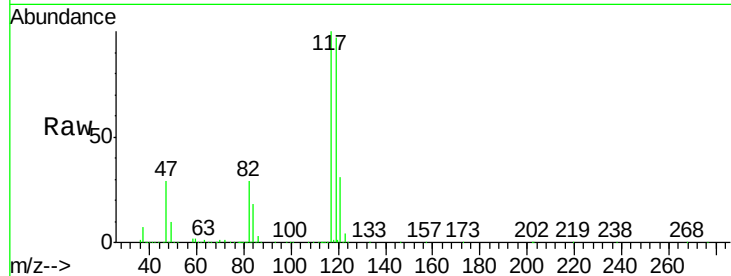
121 31.1 24.2 36.2

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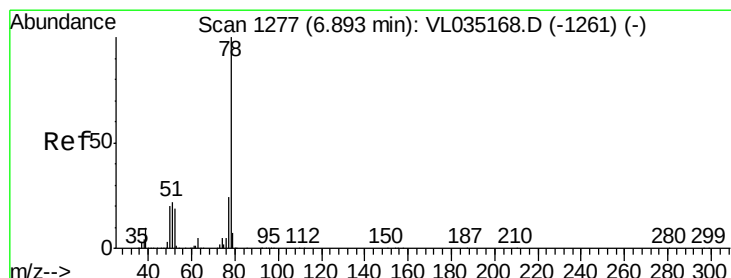
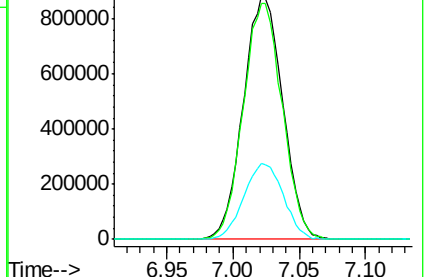
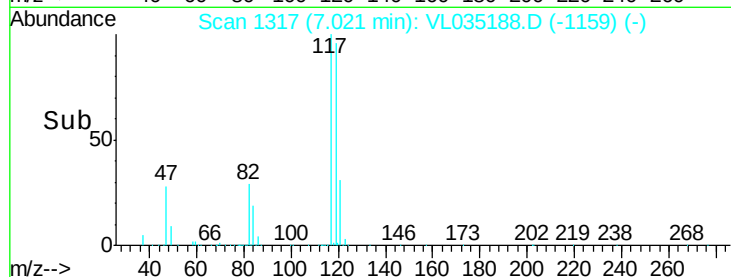
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.109 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

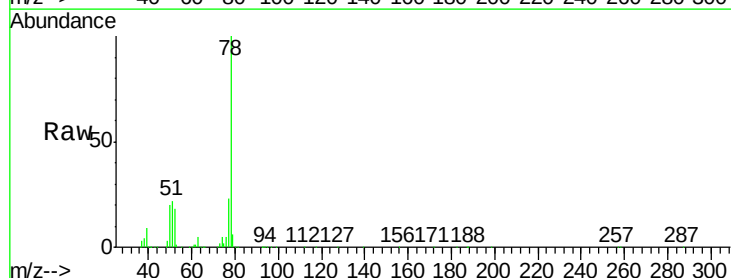
Tgt Ion: 78 Resp: 2116787

Ion Ratio Lower Upper

78 100

77 22.8 19.3 28.9

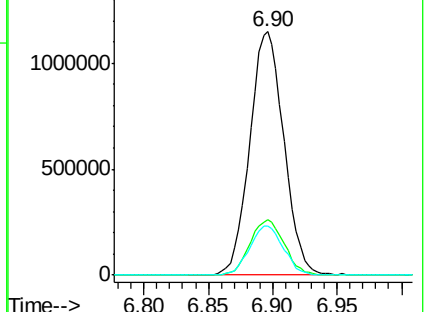
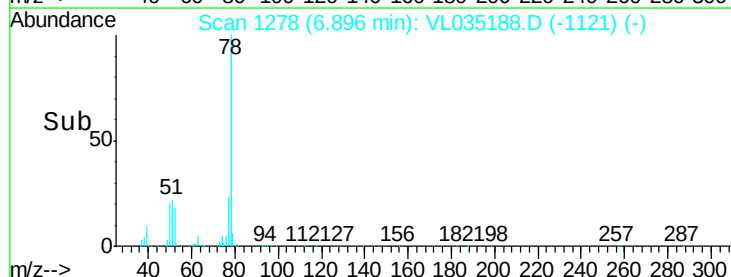
50 20.2 16.0 24.0

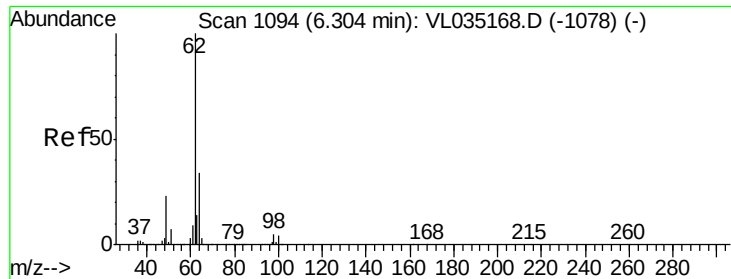


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





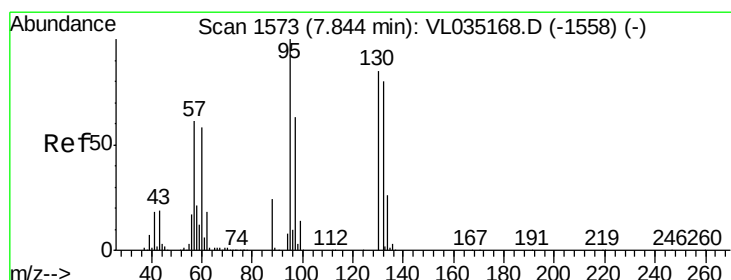
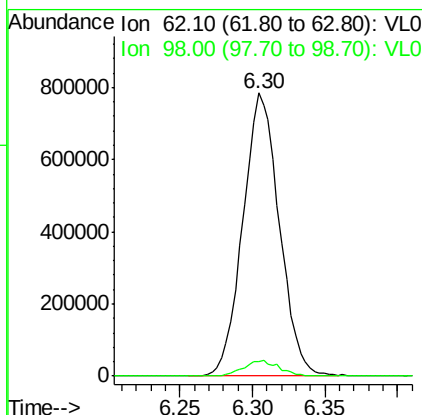
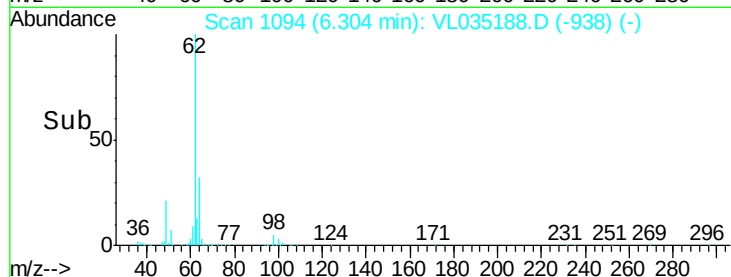
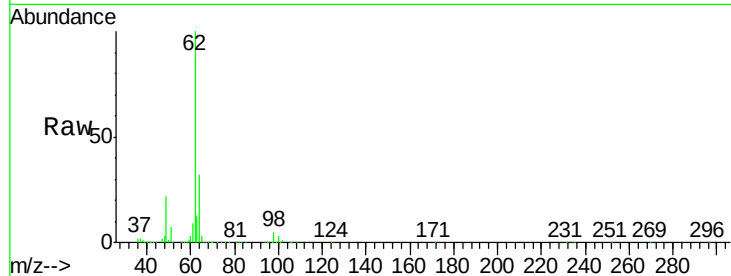
#37
 1,2-Dichloroethane
 Concen: 9.774 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1373517
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.6 6.8

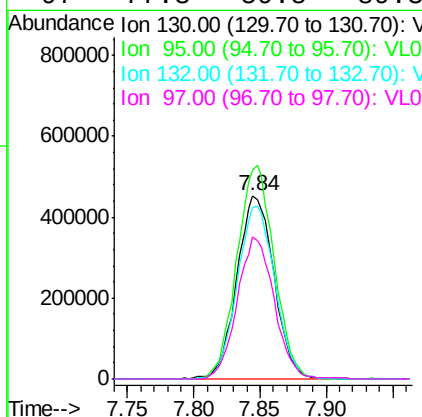
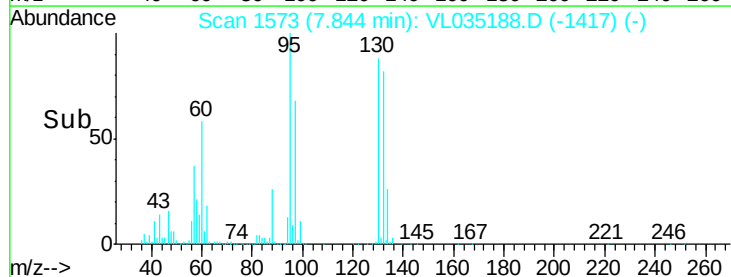
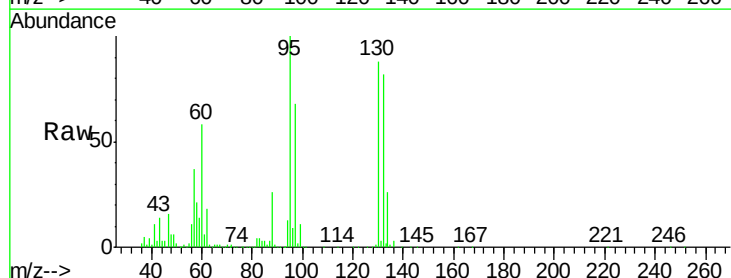
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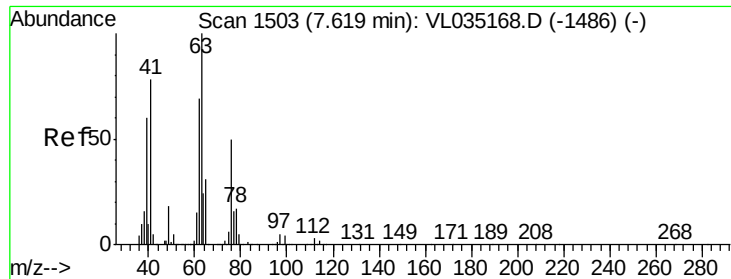
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#38
 Trichloroethene
 Concen: 10.265 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 130 Resp: 875848
 Ion Ratio Lower Upper
 130 100
 95 113.9 93.8 140.8
 132 93.2 75.0 112.4
 97 77.3 59.5 89.3





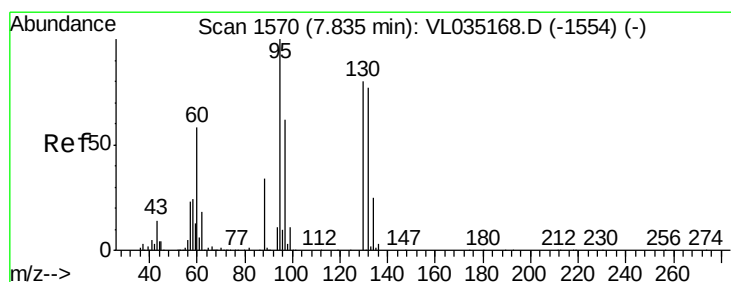
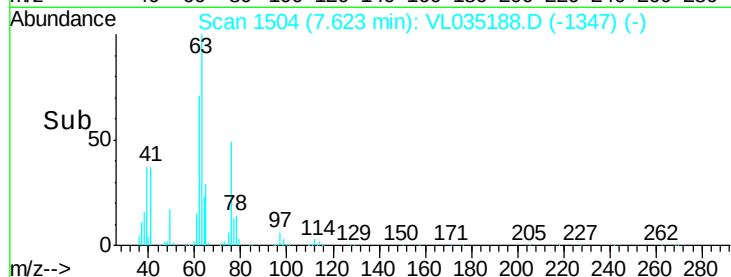
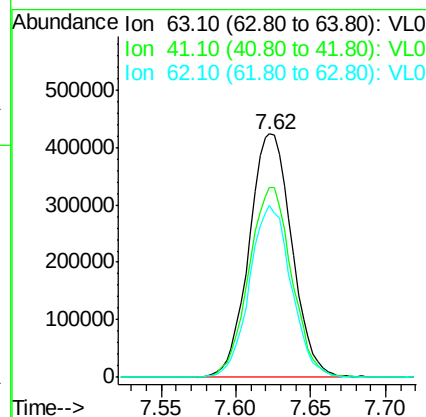
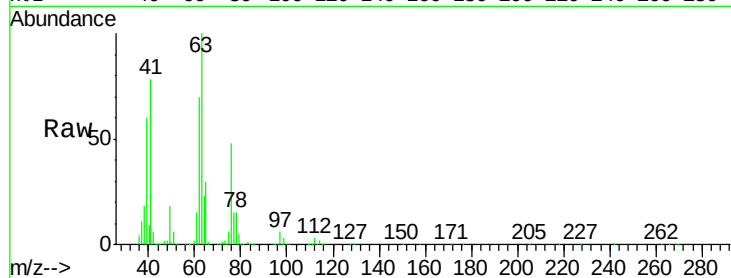
#39
 1,2-Dichloropropane
 Concen: 10.112 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.0	62.6	94.0
62	70.2	55.0	82.6

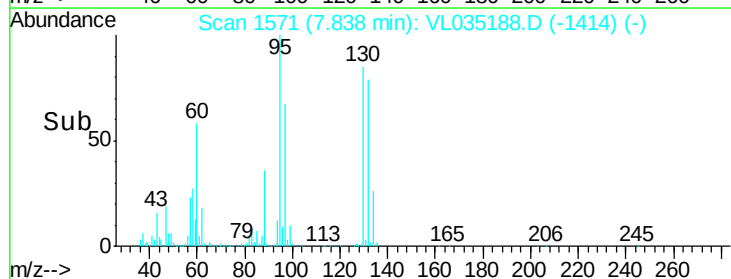
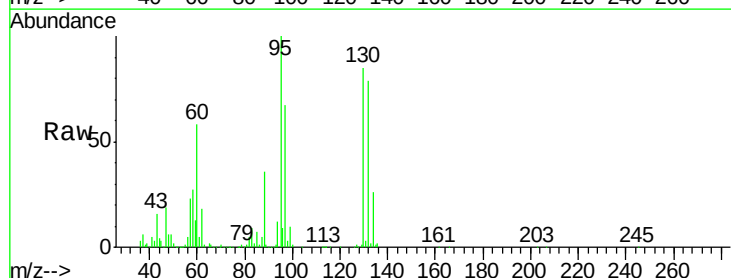
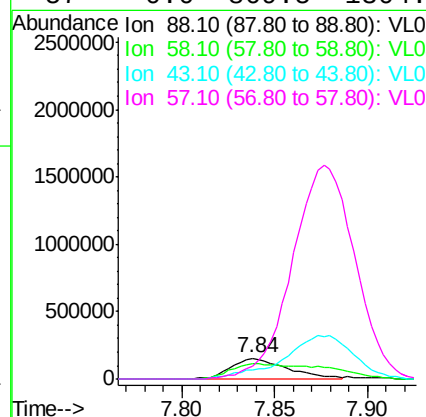
Manual Integrations
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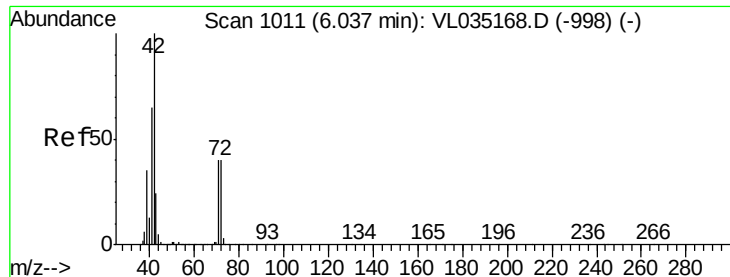
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#40
 1,4-Dioxane
 Concen: 9.726 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	134.6	100.2	150.4
43	0.0	199.8	299.8#
57	0.0	869.5	1304.3#





#41

Tetrahydrofuran

Concen: 10.671 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

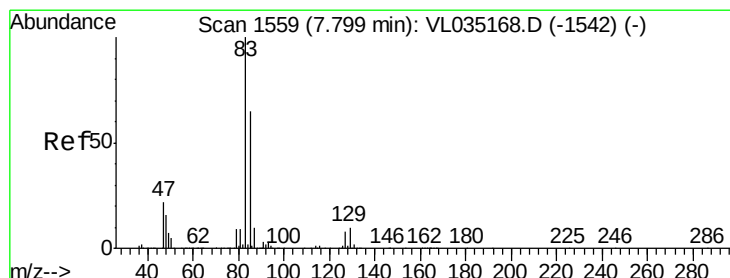
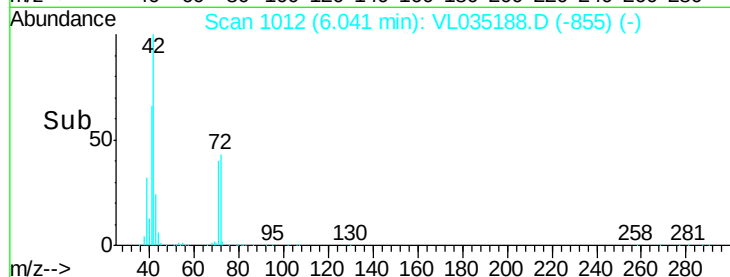
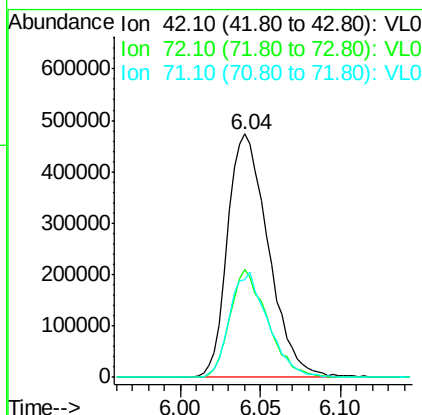
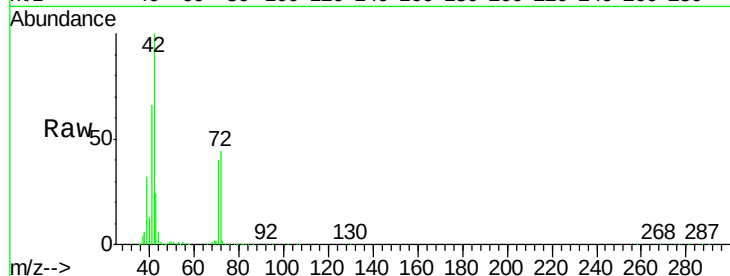
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	824520
Ion Ratio		Lower	Upper
42	100		
72	41.0	33.4	50.2
71	40.9	31.9	47.9

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#42

Bromodichloromethane

Concen: 10.213 ppbv

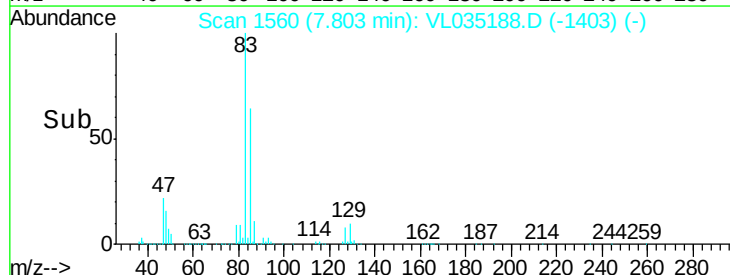
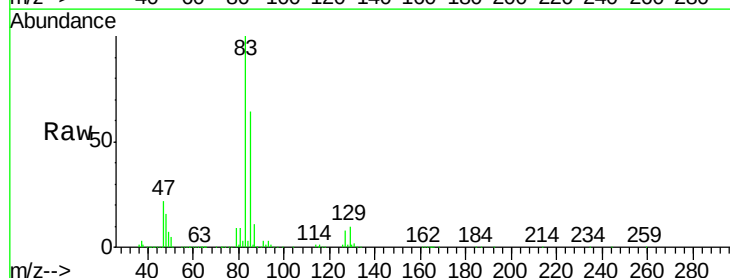
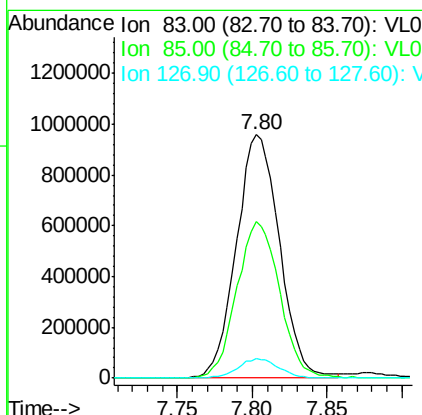
RT: 7.80 min Scan# 1560

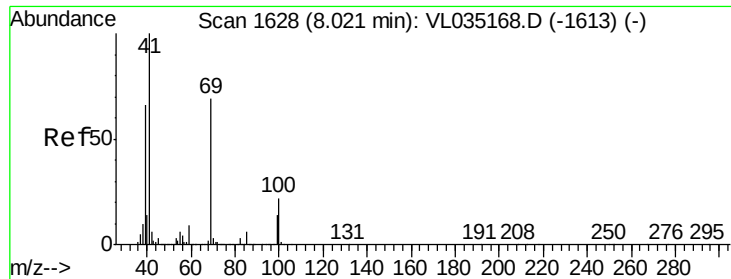
Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Tgt Ion:	83	Resp:	1916471
Ion Ratio		Lower	Upper
83	100		
85	64.1	52.2	78.4
127	7.8	6.3	9.5





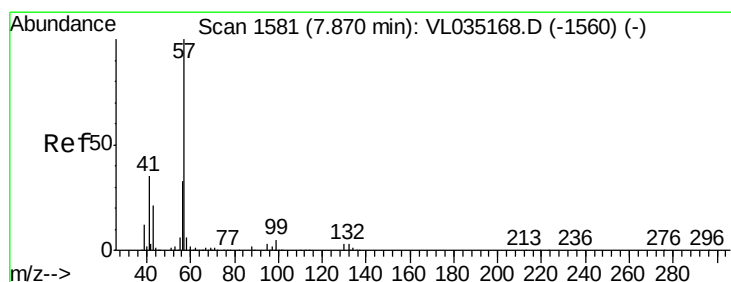
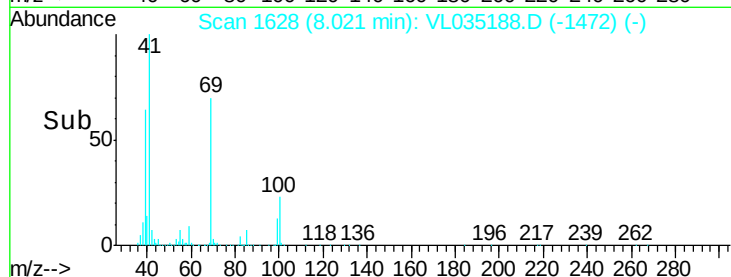
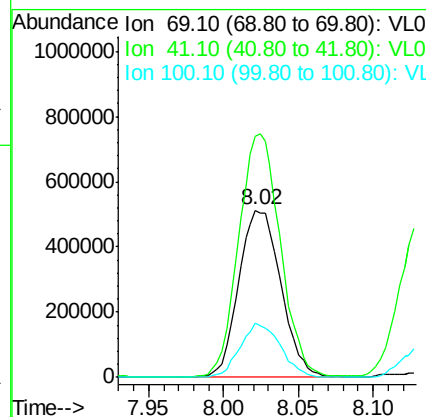
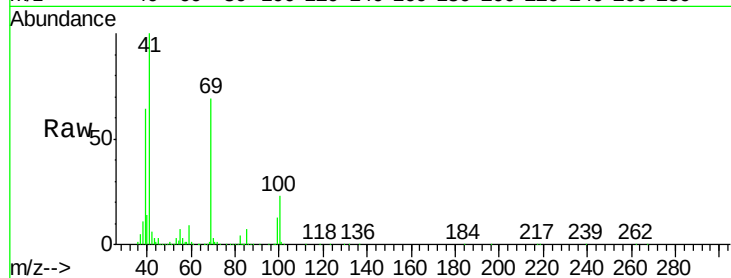
#43
Methyl Methacrylate
Concen: 11.320 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1002003
Ion Ratio Lower Upper
69 100
41 144.2 116.3 174.5
100 31.3 25.6 38.4

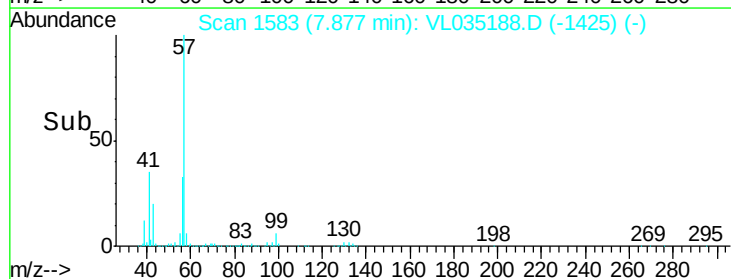
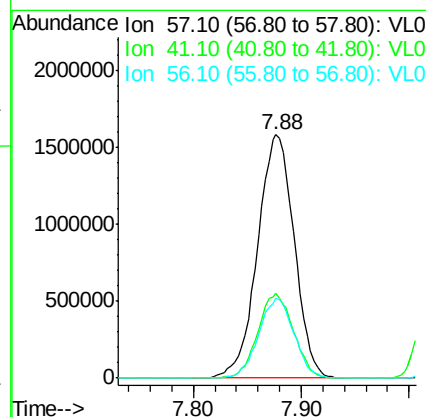
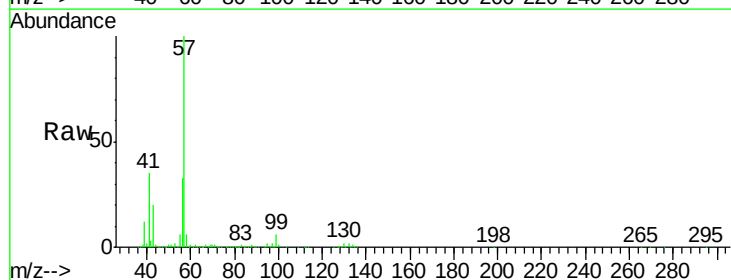
Manual Integrations
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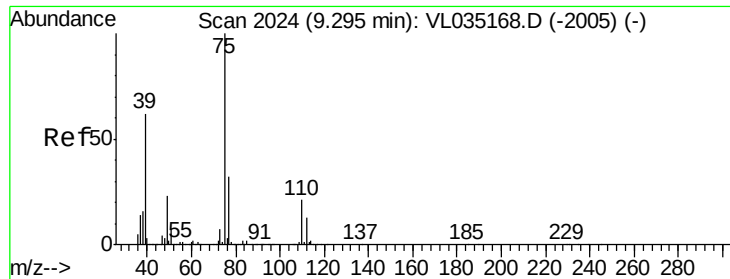
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#44
2,2,4-Trimethylpentane
Concen: 10.342 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 57 Resp: 3737924
Ion Ratio Lower Upper
57 100
41 33.9 27.0 40.6
56 31.6 25.5 38.3





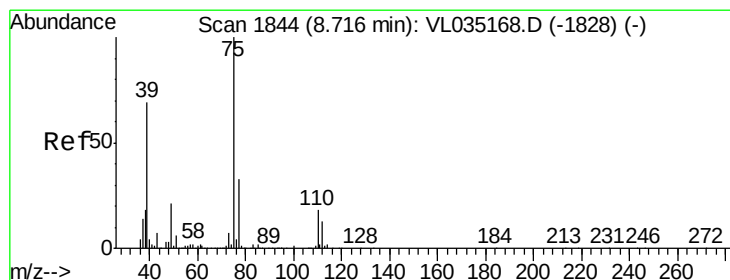
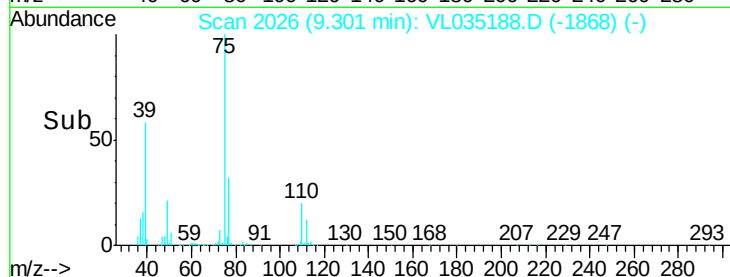
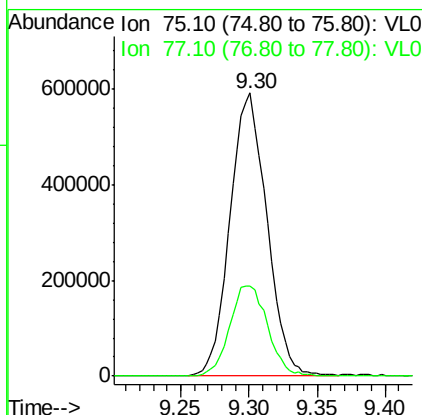
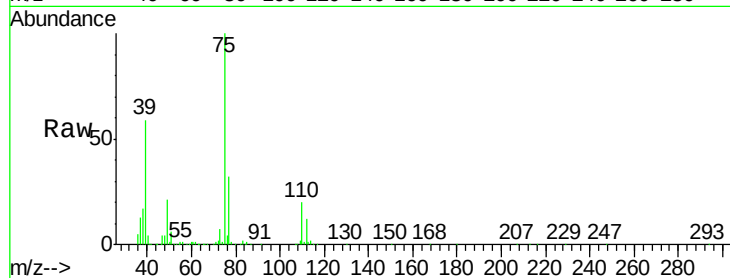
#45
t-1,3-Dichloropropene
Concen: 11.983 ppbv
RT: 9.30 min Scan# 2026
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1114359
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8

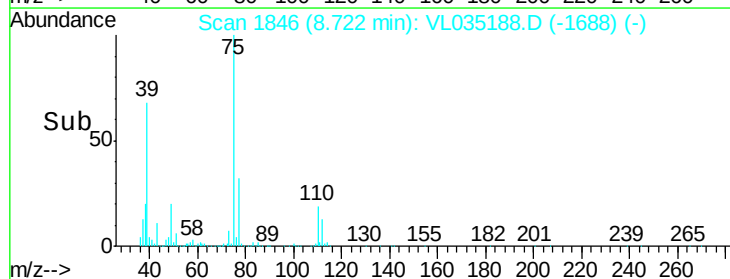
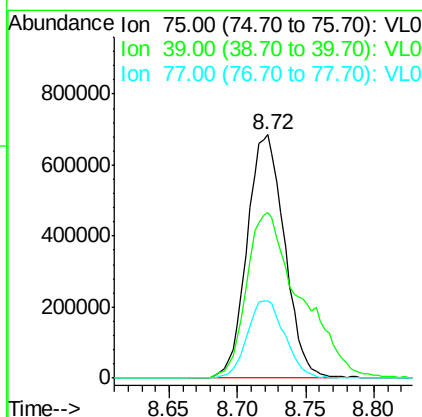
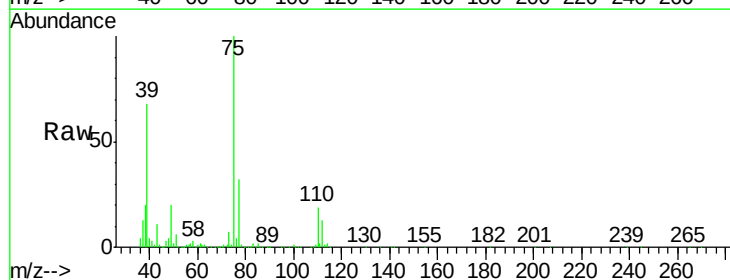
Manual Integrations
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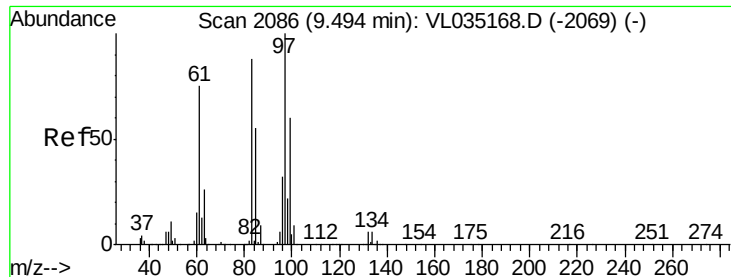
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.831 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 75 Resp: 1304359
Ion Ratio Lower Upper
75 100
39 68.0 55.2 82.8
77 31.6 26.0 39.0





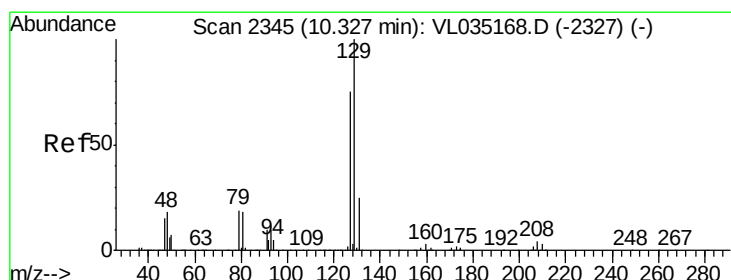
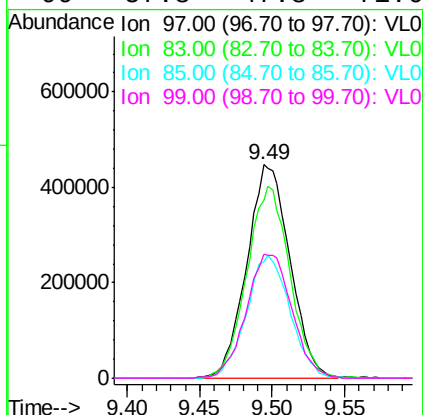
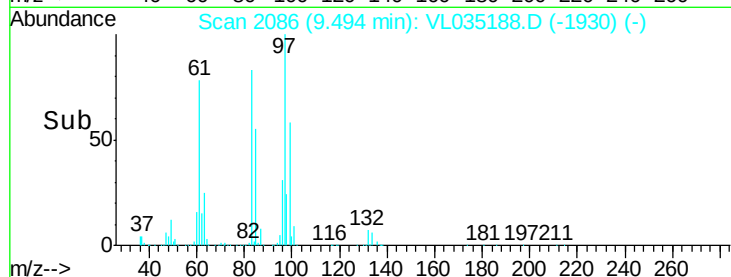
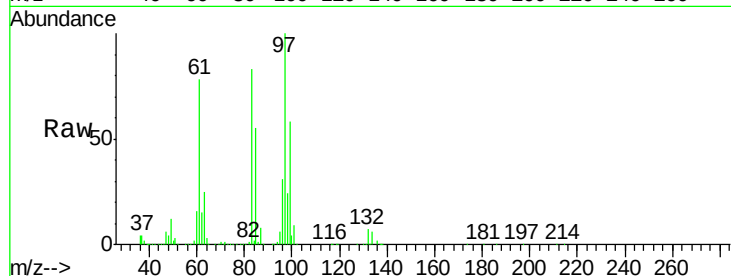
#47
 1,1,2-Trichloroethane
 Concen: 10.210 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.3	70.3	105.5
85	54.5	44.3	66.5
99	57.8	47.8	71.6

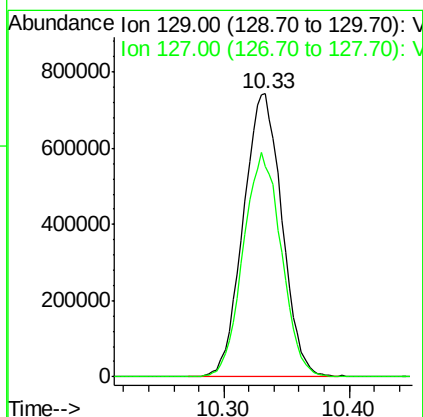
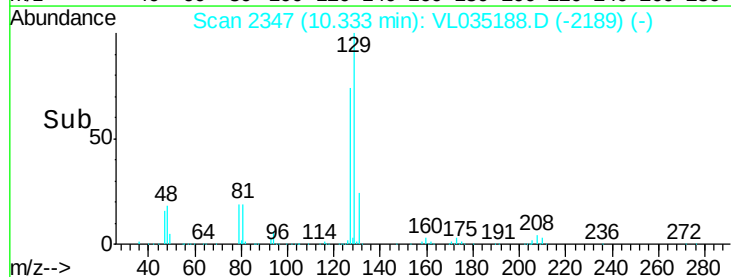
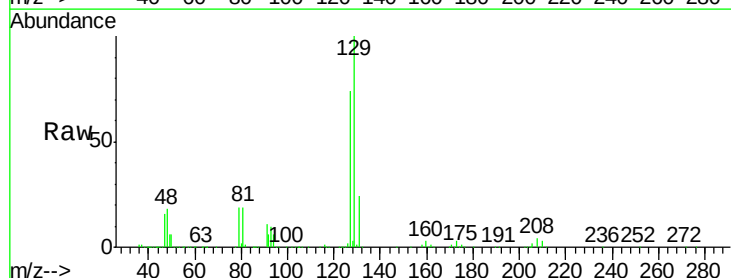
Manual Integrations
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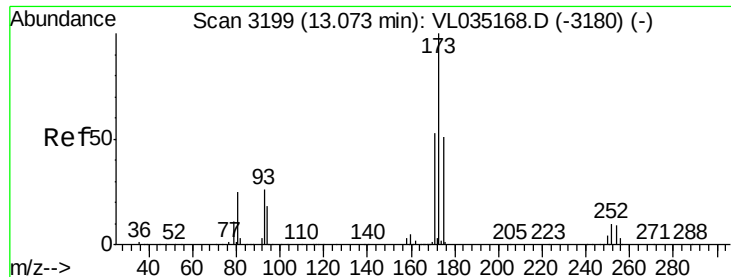
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.719 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.8	116.3





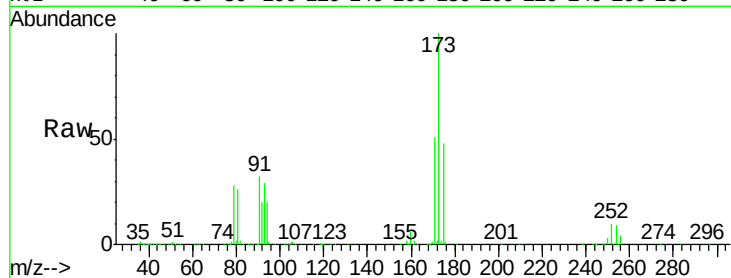
#49
Bromoform
Concen: 11.022 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.7	59.5
171	51.8	41.6	62.4

Manual Integrations
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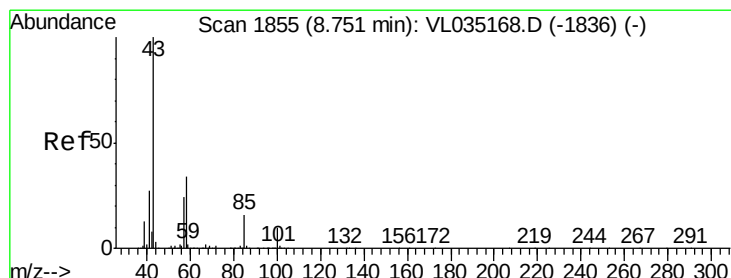
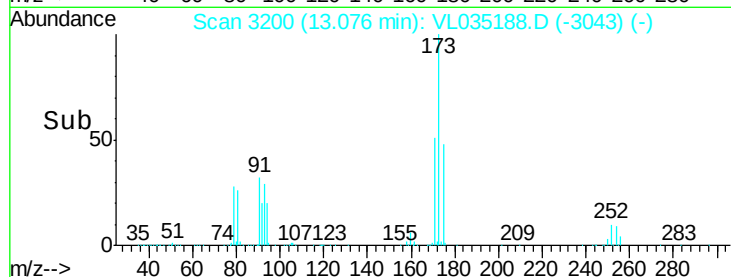
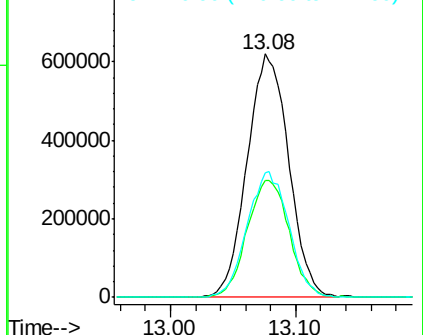


Abundance

Ion 172.90 (172.60 to 173.60): V

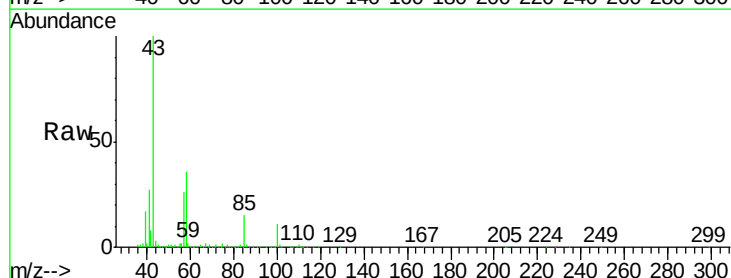
Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50
4-Methyl-2-Pentanone
Concen: 10.660 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

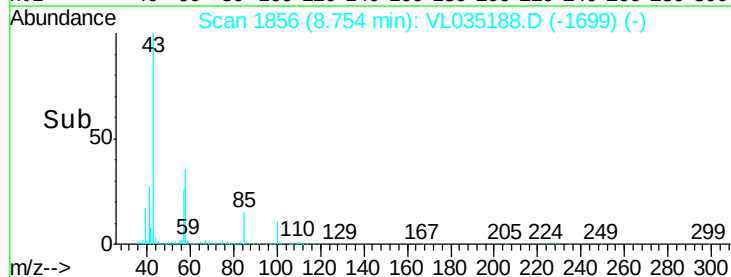
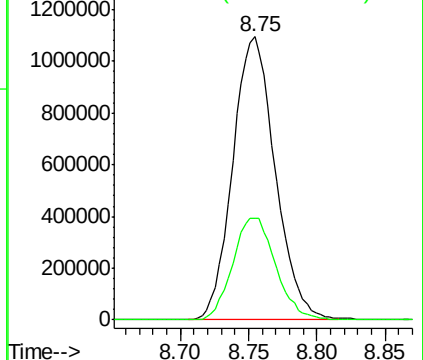
Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.4	44.2

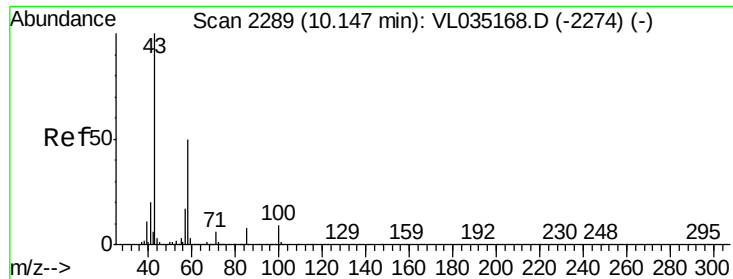


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





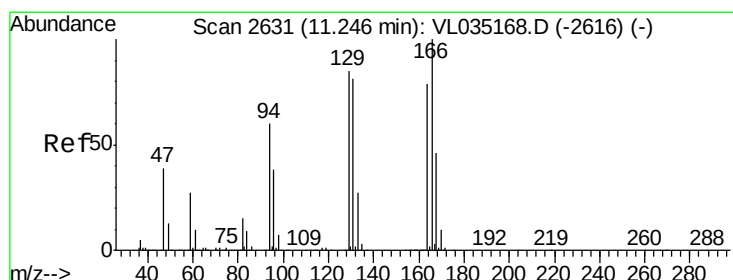
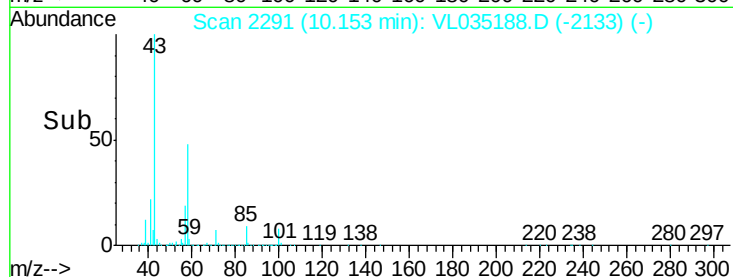
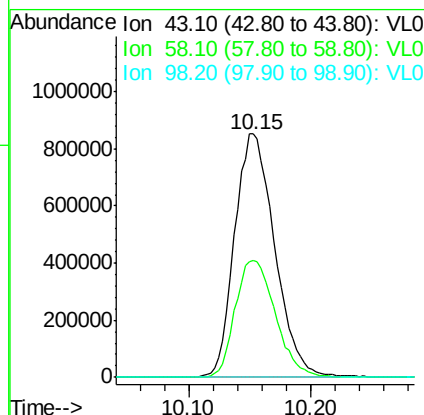
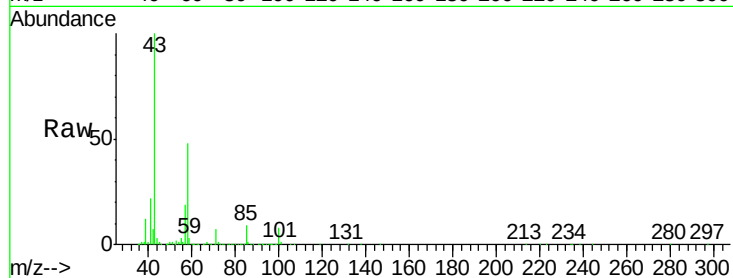
#51
2-Hexanone
Concen: 11.485 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1940911
Ion Ratio Lower Upper
43 100
58 48.4 39.4 59.0
98 0.3 0.3 0.5#

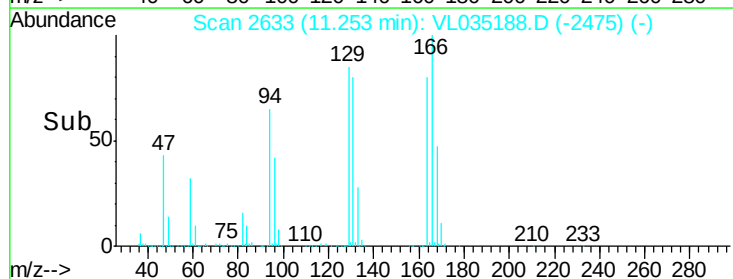
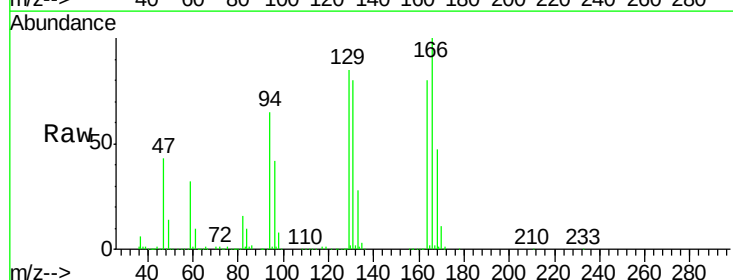
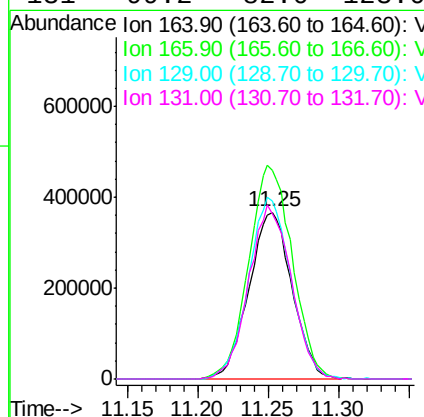
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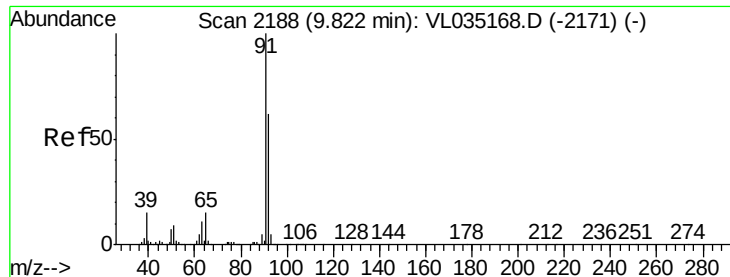
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#52
Tetrachloroethene
Concen: 10.004 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 164 Resp: 782398
Ion Ratio Lower Upper
164 100
166 124.8 100.7 151.1
129 106.1 85.8 128.6
131 99.2 82.0 123.0





#53

Toluene

Concen: 11.398 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2518827

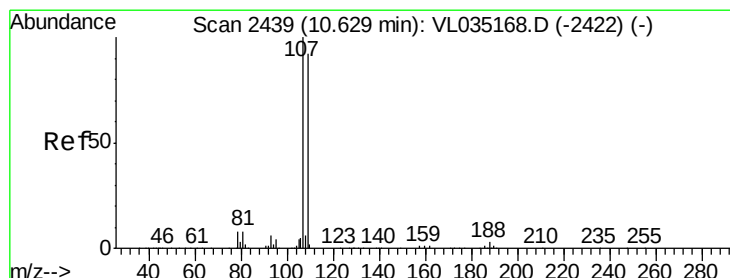
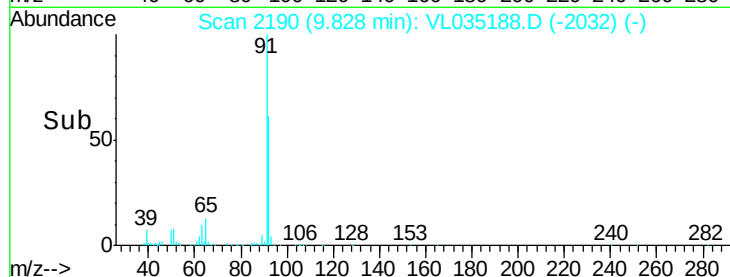
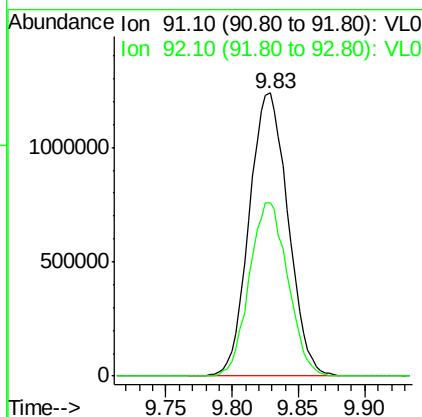
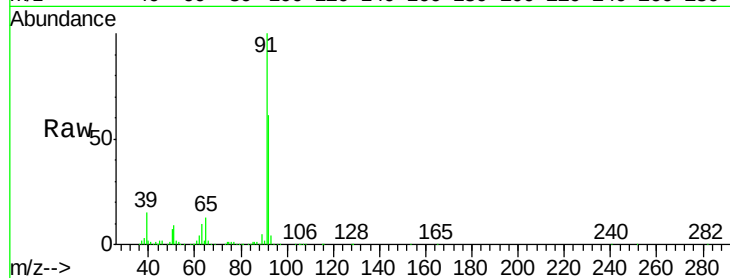
Ion Ratio Lower Upper

91 100

92 61.0 48.4 72.6

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 10.485 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035188.D

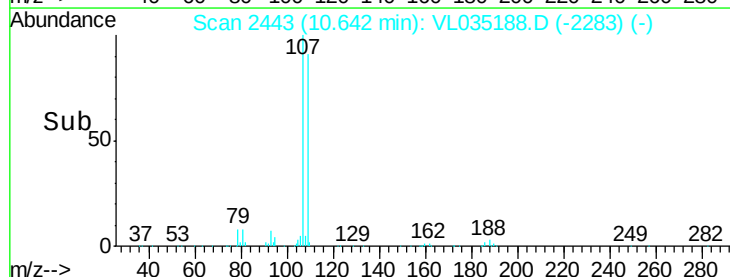
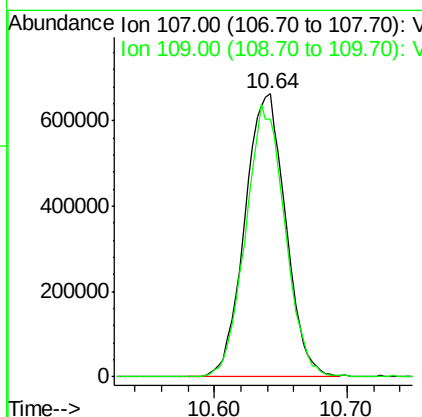
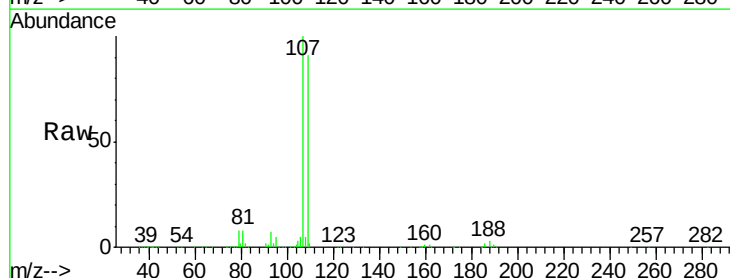
Acq: 8 Jul 2020 17:05

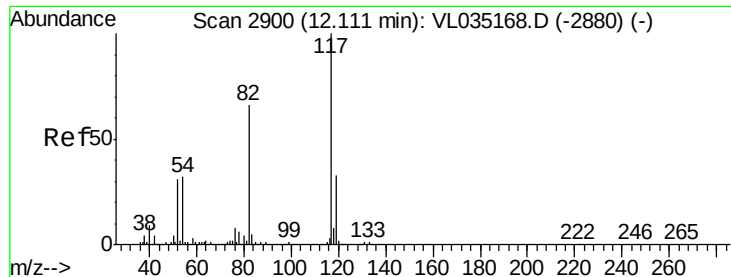
Tgt Ion: 107 Resp: 1418284

Ion Ratio Lower Upper

107 100

109 91.3 74.0 111.0





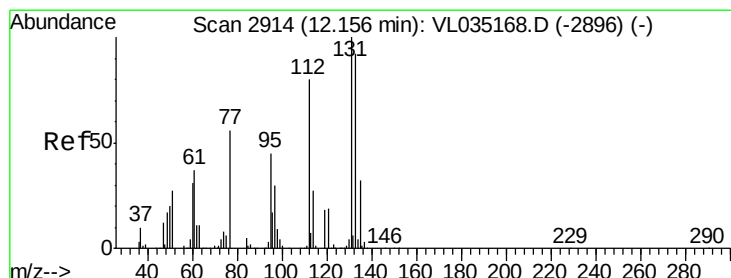
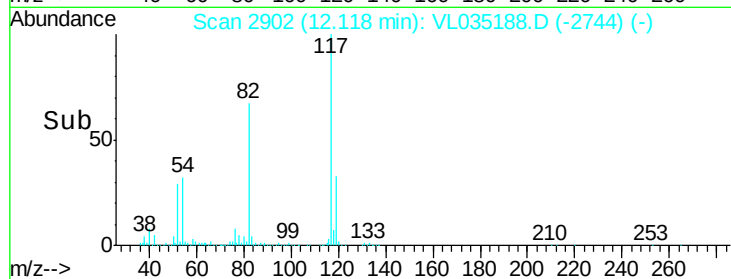
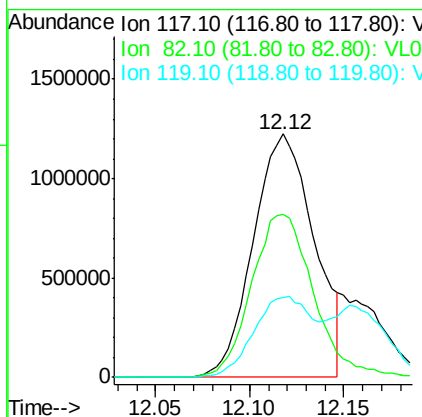
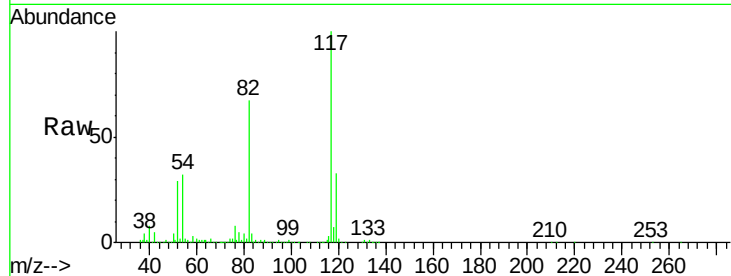
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2758963
Ion Ratio Lower Upper
117 100
82 68.6 52.3 78.5
119 31.6 24.9 37.3

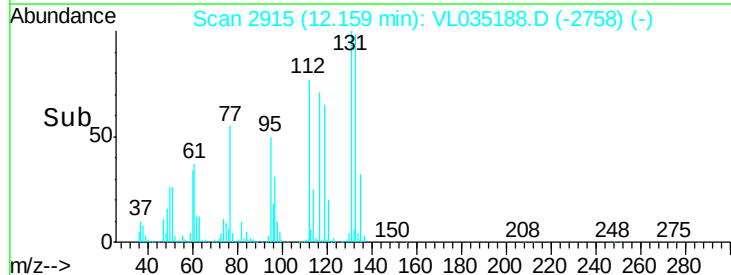
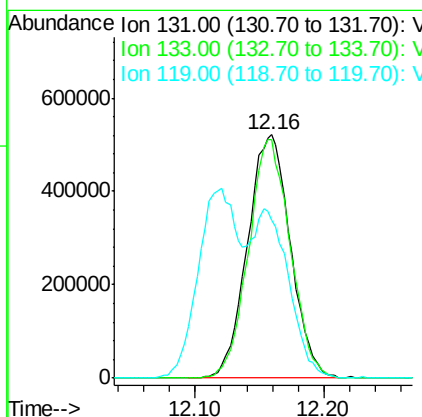
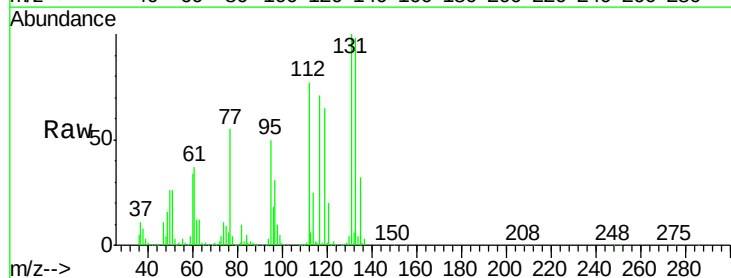
Manual Integrations
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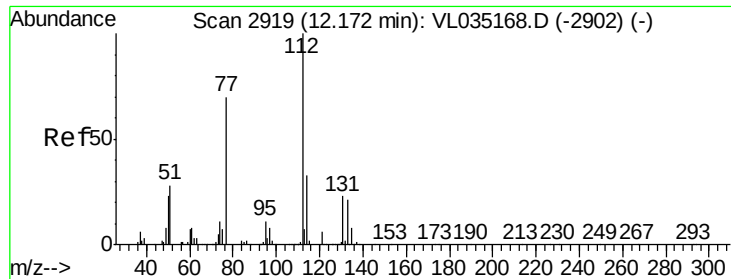
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.857 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion:131 Resp: 1204872
Ion Ratio Lower Upper
131 100
133 95.7 75.4 113.2
119 54.2 42.4 63.6





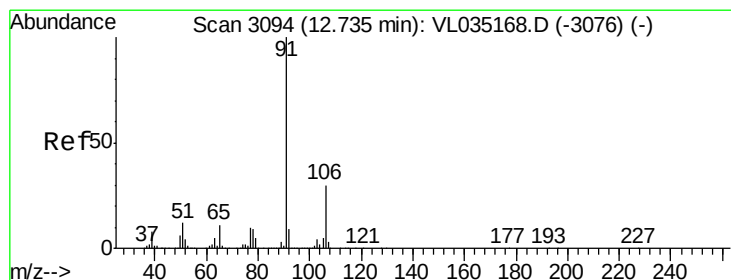
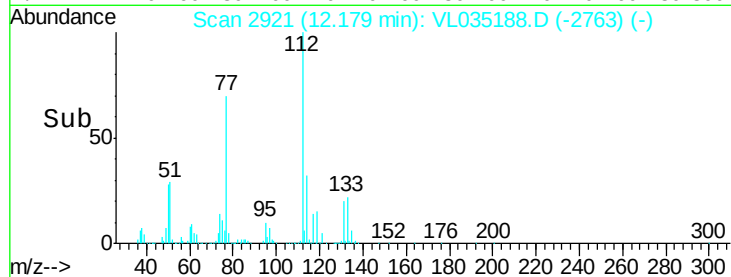
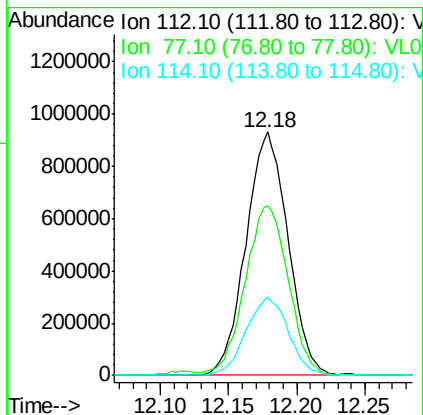
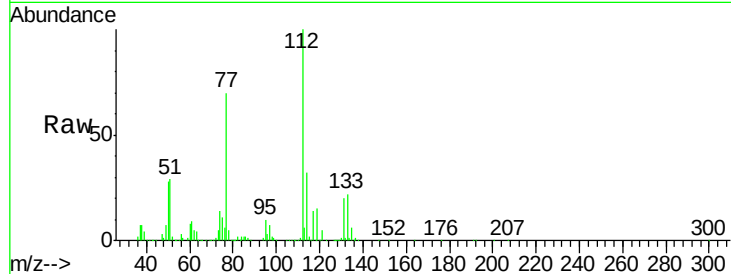
#57
Chlorobenzene
Concen: 9.777 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.6	57.0	85.4
114	32.4	30.2	37.0

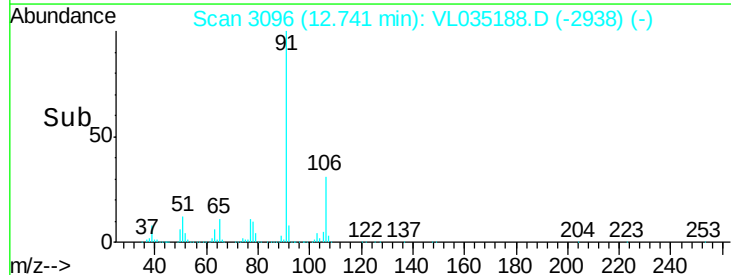
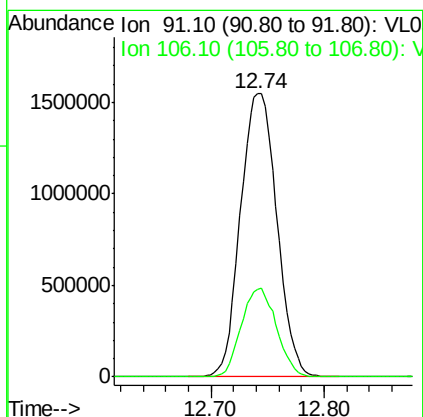
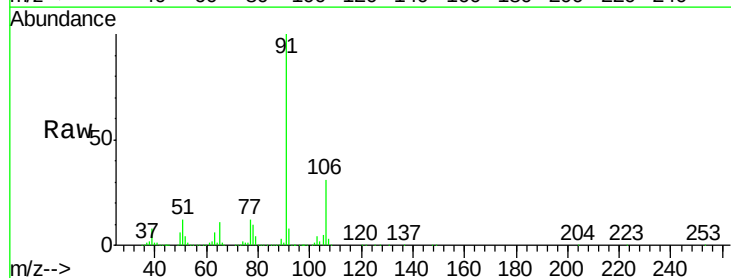
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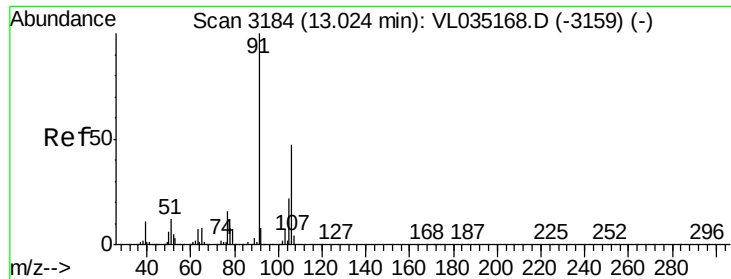
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#58
Ethyl Benzene
Concen: 11.355 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.2	36.2





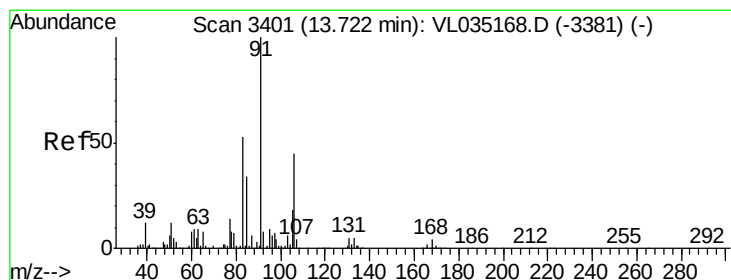
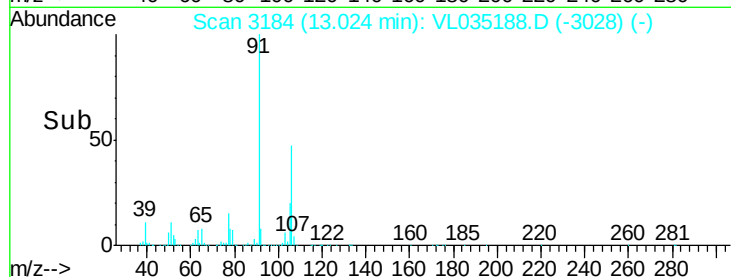
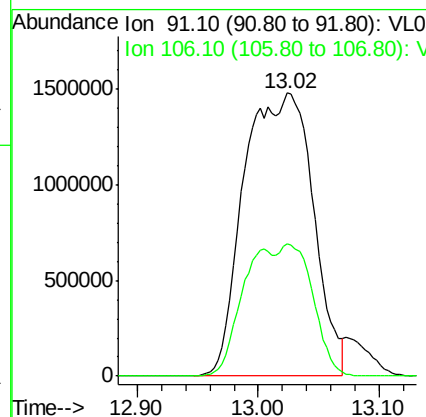
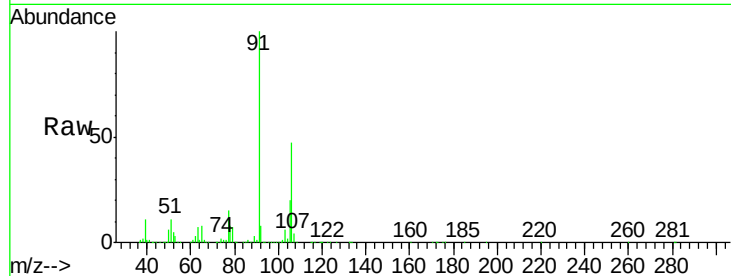
#59
m/p-Xylene
Concen: 21.526 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5850571
Ion Ratio Lower Upper
91 100
106 45.8 36.2 54.2

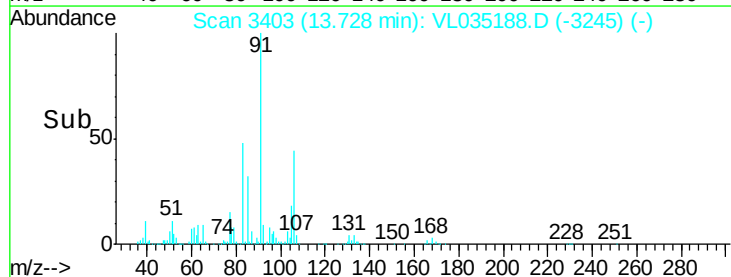
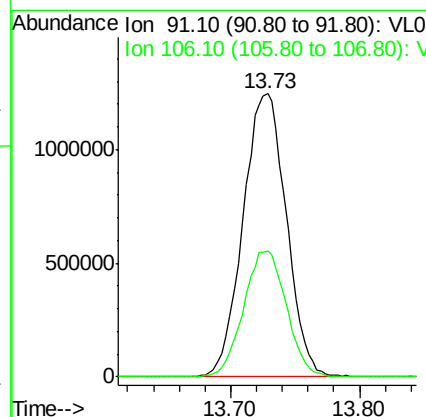
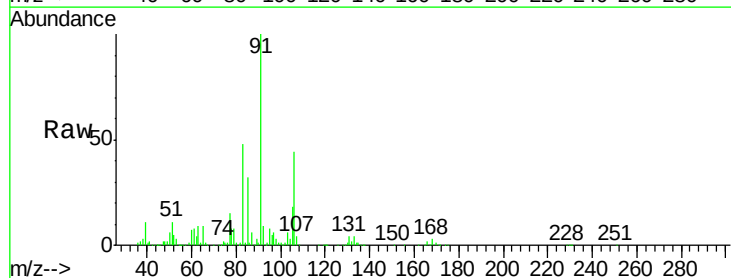
Manual Integrations
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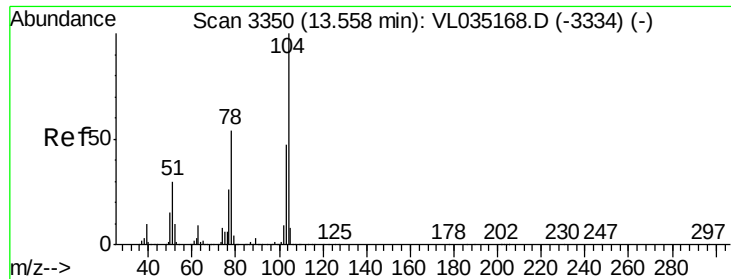
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#60
o-Xylene
Concen: 10.715 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 91 Resp: 2905411
Ion Ratio Lower Upper
91 100
106 44.2 22.1 66.3





#61

Stvrene

Concen: 12.180 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2040768

Ion Ratio Lower Upper

104 100

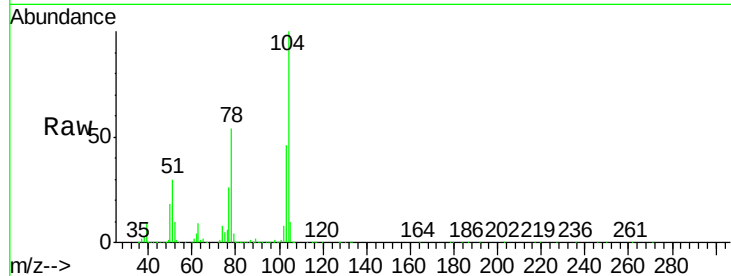
78 54.2 43.4 65.0

103 47.7 37.4 56.0

Manual Integrations
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MMDadoda

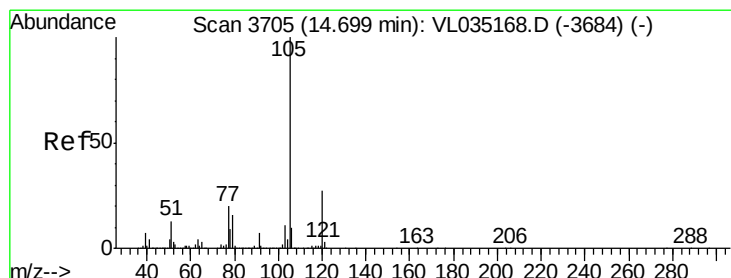
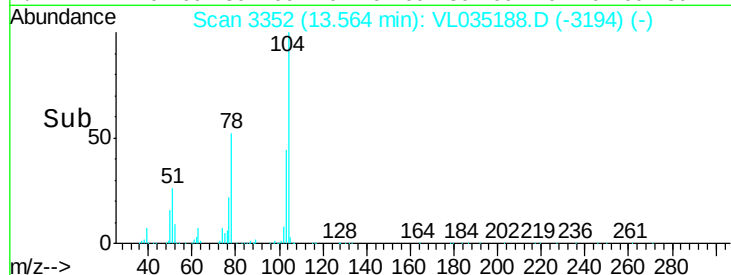
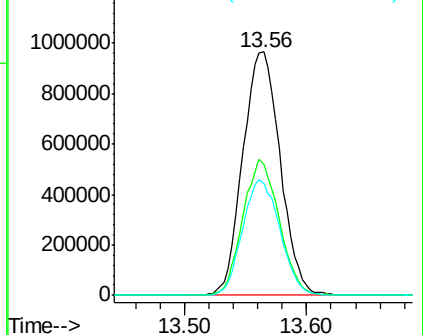
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.688 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.00 min

Lab File: VL035188.D

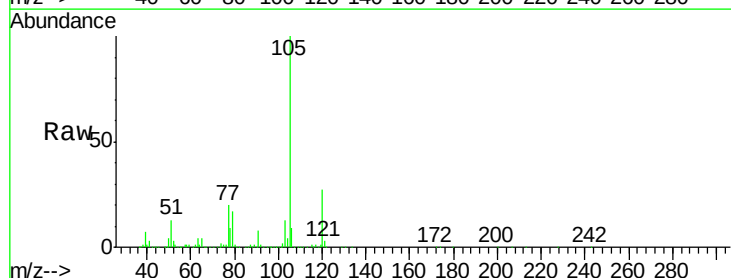
Acq: 8 Jul 2020 17:05

Tgt Ion:105 Resp: 4295782

Ion Ratio Lower Upper

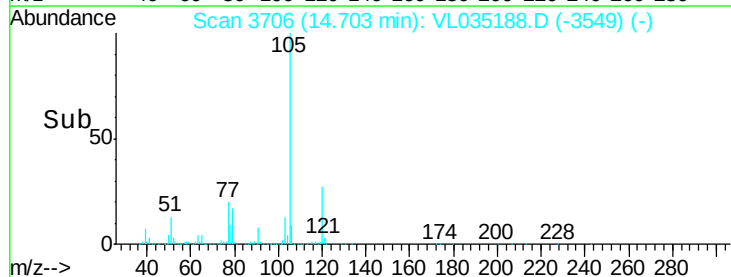
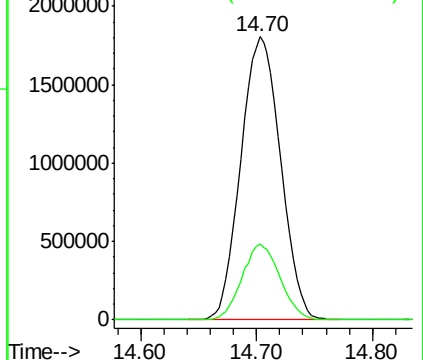
105 100

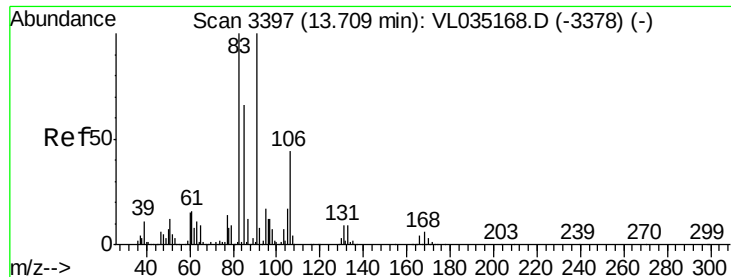
120 25.7 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





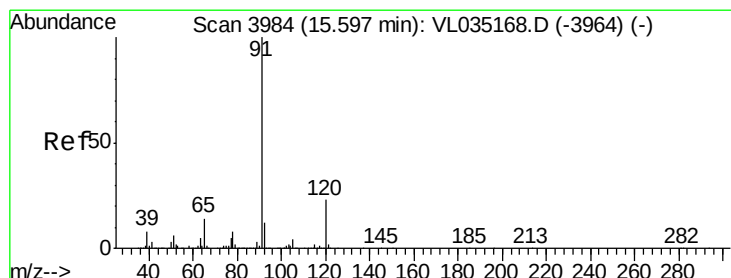
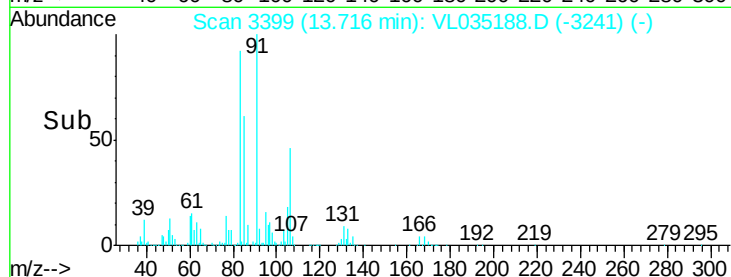
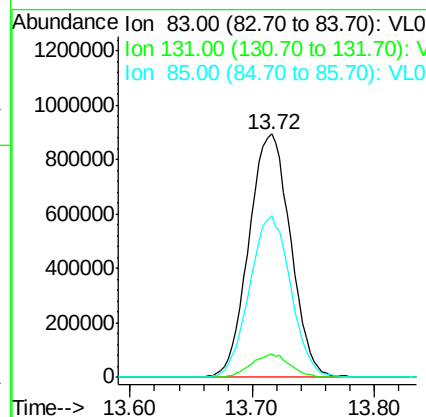
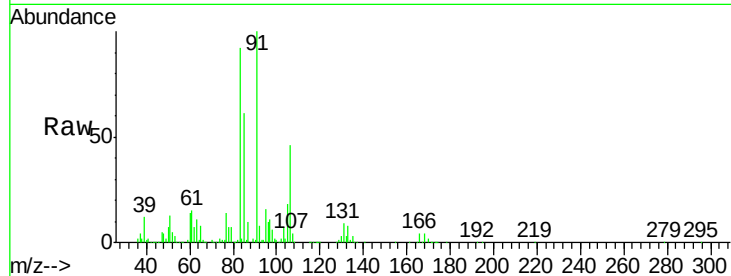
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.317 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	65.8	33.0	99.0

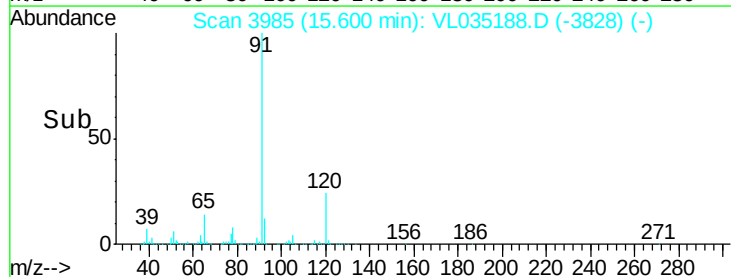
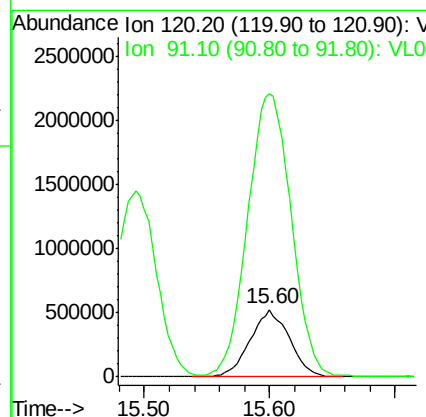
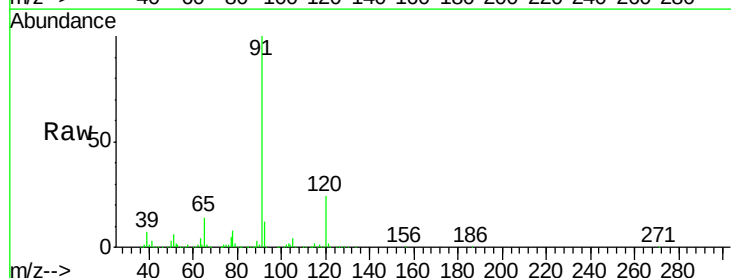
Manual Integrations
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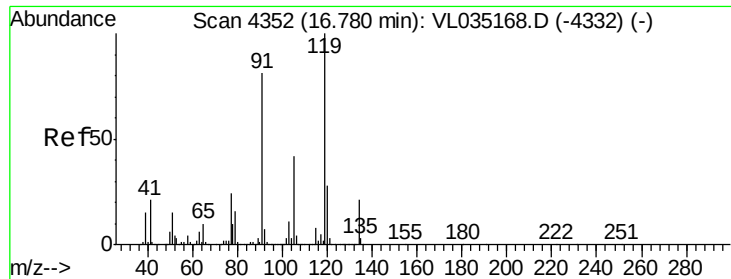
MMDadoda
 7/9/2020 12:03:03 PM



#64
 n-propylbenzene
 Concen: 10.944 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion	Ratio	Lower	Upper
120	100		
91	469.9	372.4	558.6





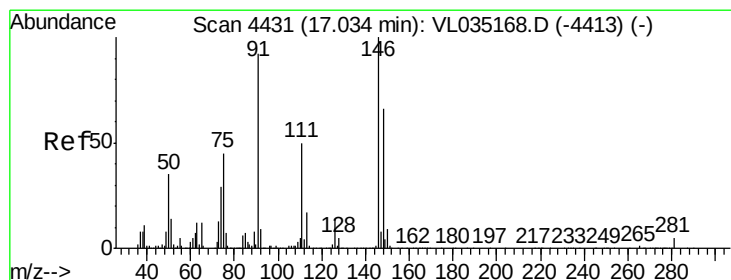
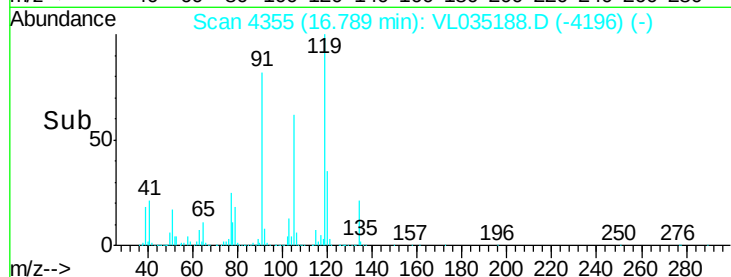
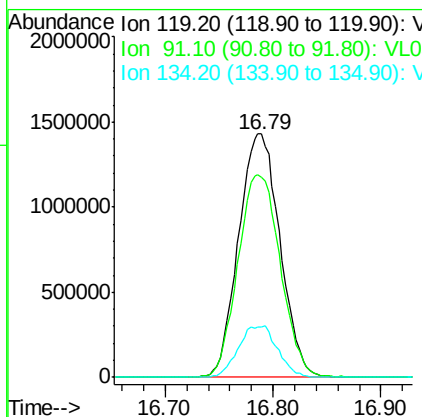
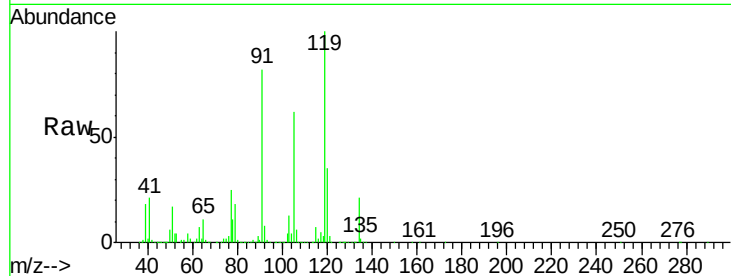
#65
 tert-Butylbenzene
 Concen: 10.550 ppbv
 RT: 16.79 min Scan# 4352
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	85.5	67.5	101.3
134	20.0	16.0	24.0

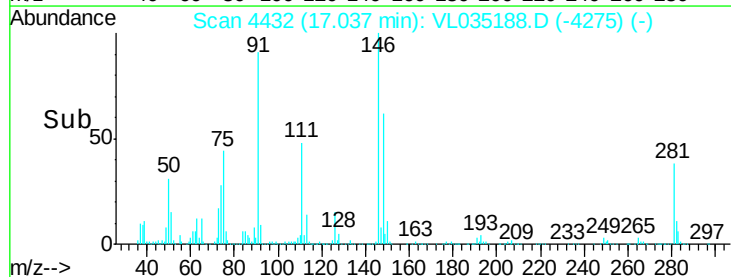
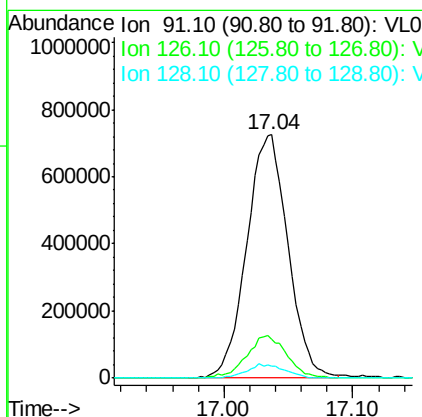
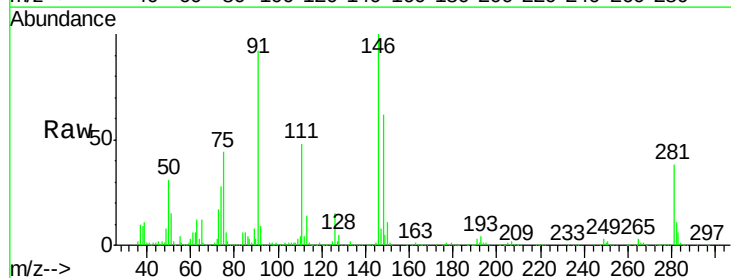
Manual Integrations
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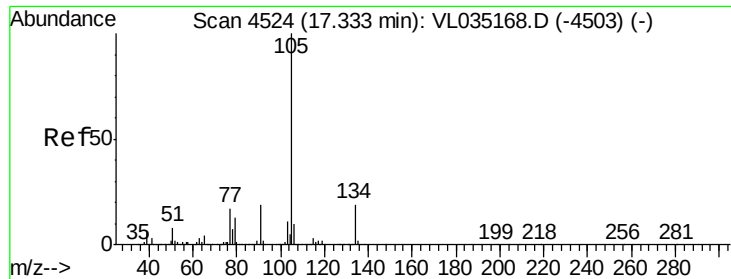
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#66
 Benzyl Chloride
 Concen: 12.532 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.1	13.9	20.9
128	5.4	4.2	6.4





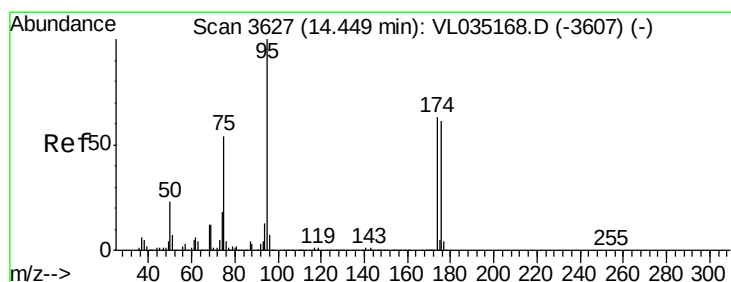
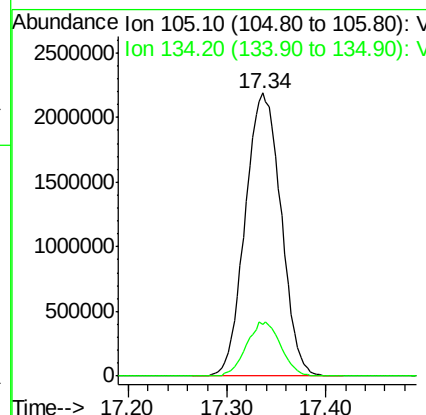
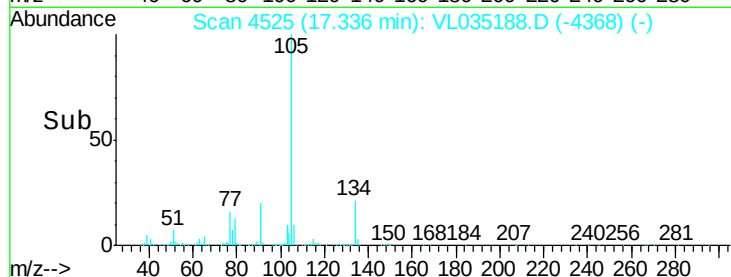
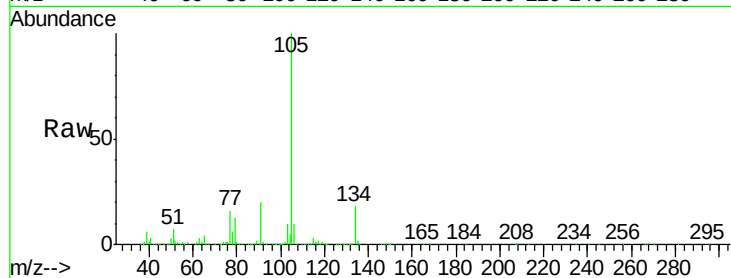
#67
 sec-Butylbenzene
 Concen: 10.429 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 5488342
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.6 21.8

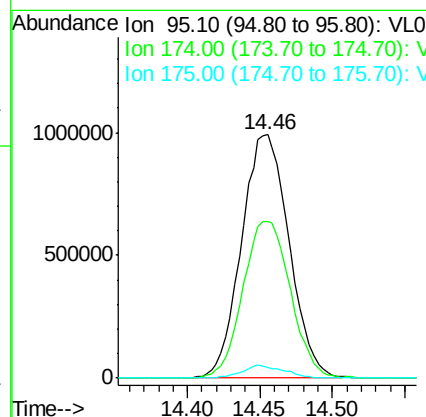
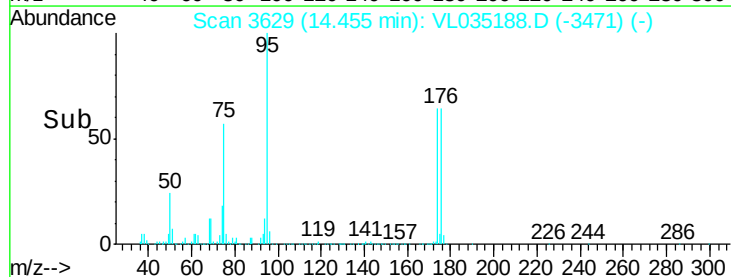
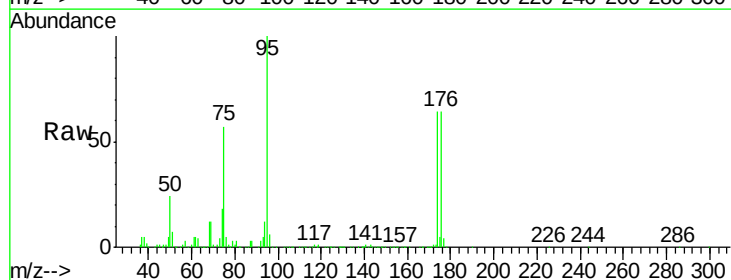
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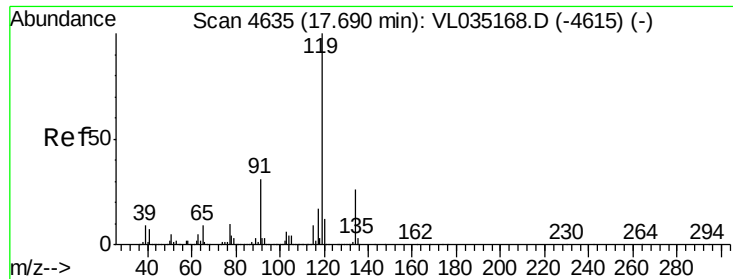
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.056 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 95 Resp: 2253726
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.2 78.2
 175 4.8 4.0 6.0





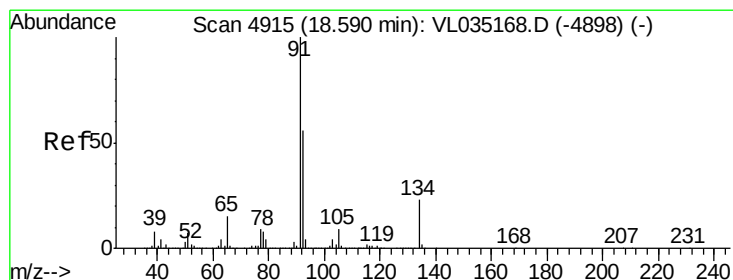
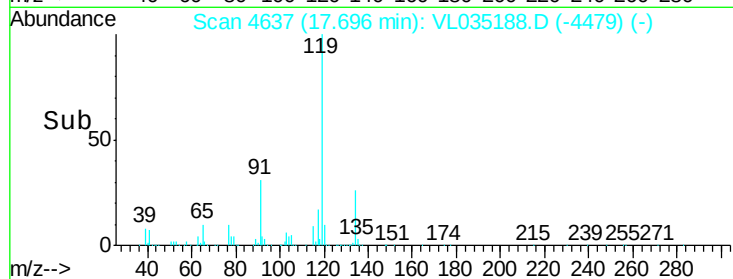
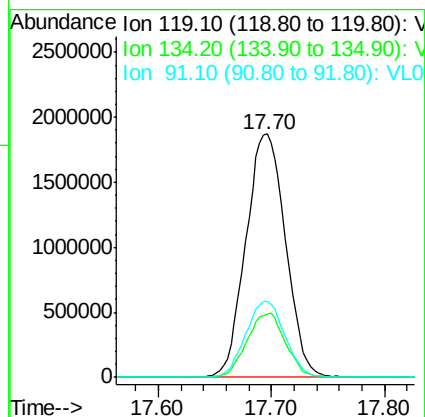
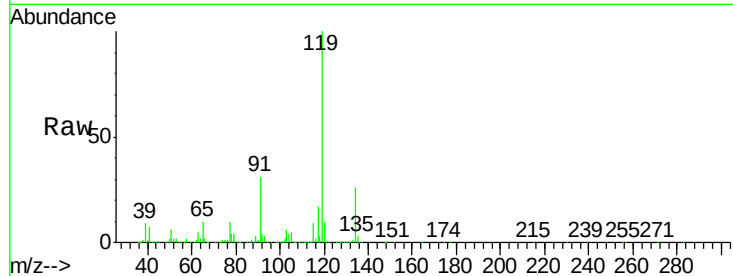
#69
 p-Isopropyltoluene
 Concen: 11.050 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.8	31.2
91	31.0	24.9	37.3

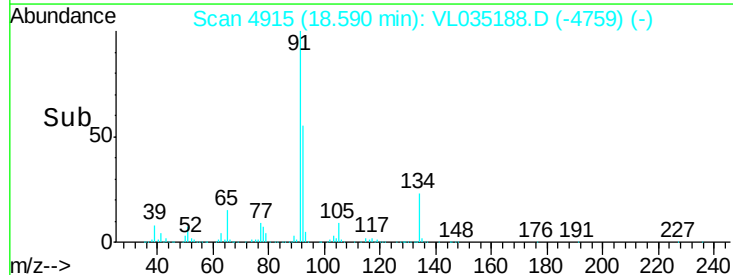
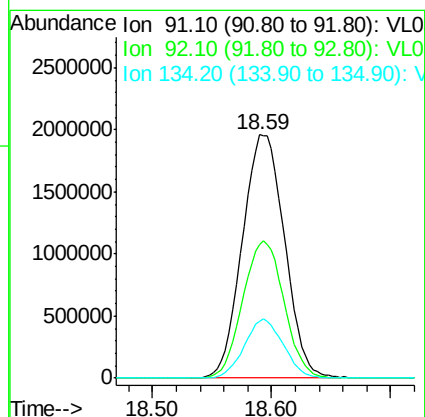
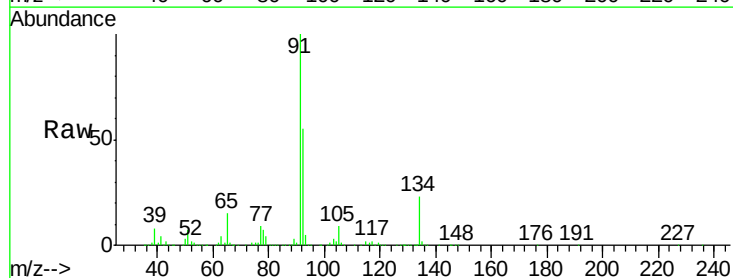
Manual Integrations
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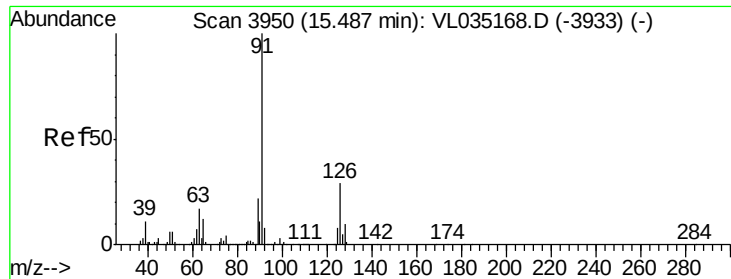
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#70
 n-Butylbenzene
 Concen: 10.990 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.0	66.0
134	22.4	18.0	27.0





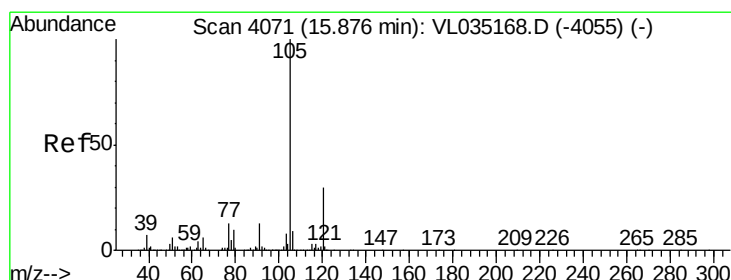
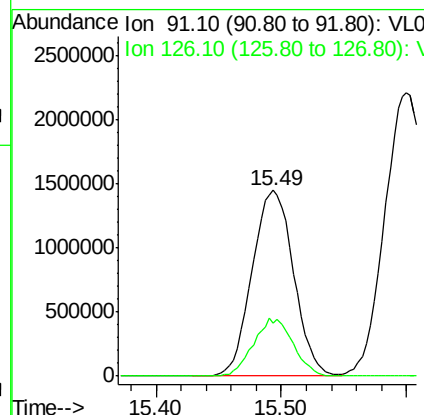
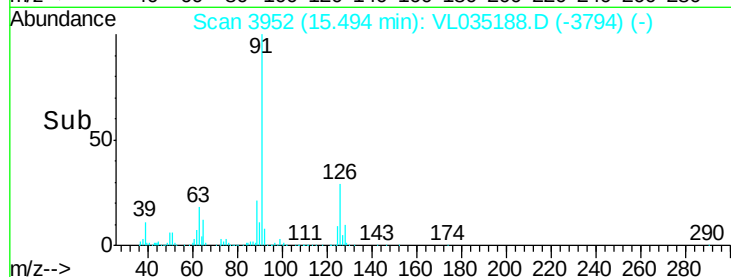
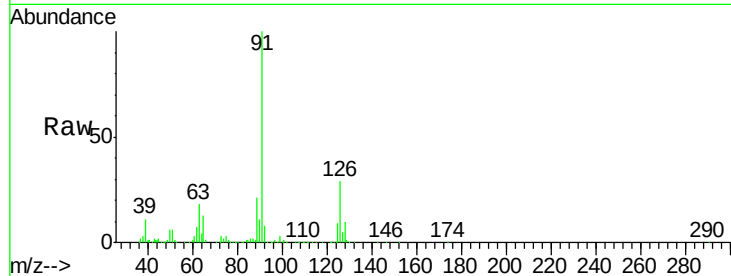
#71
 2-Chlorotoluene
 Concen: 10.990 ppbv
 RT: 15.49 min Scan# 3952
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3342331
 Ion Ratio Lower Upper
 91 100
 126 29.7 12.0 48.0

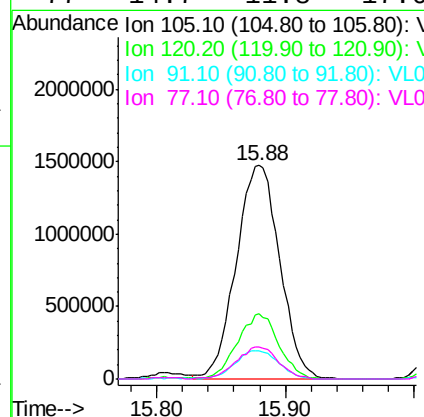
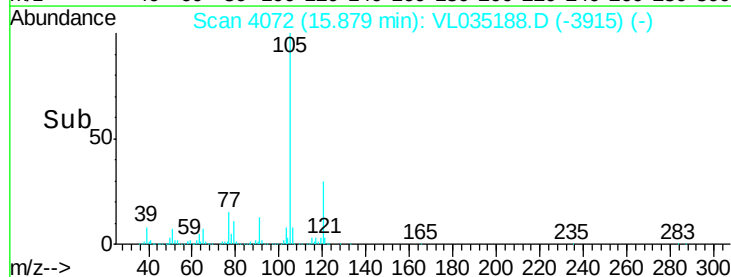
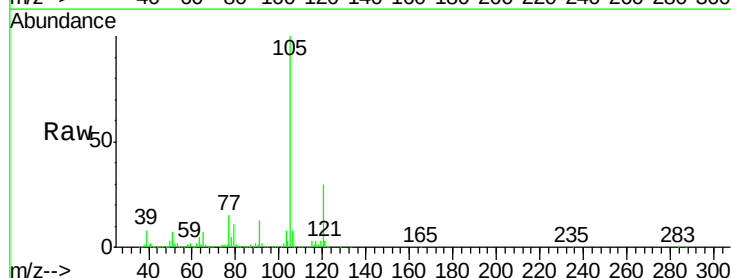
Manual Integrations
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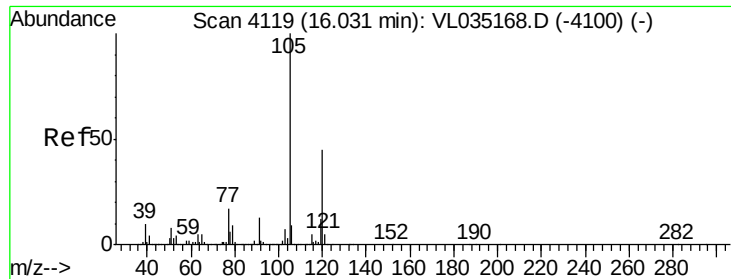
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#72
 4-Ethyltoluene
 Concen: 11.292 ppbv
 RT: 15.88 min Scan# 4072
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 105 Resp: 3450180
 Ion Ratio Lower Upper
 105 100
 120 28.8 23.2 34.8
 91 13.4 10.9 16.3
 77 14.7 11.8 17.6





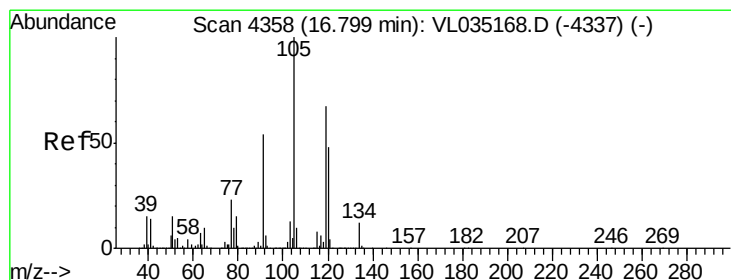
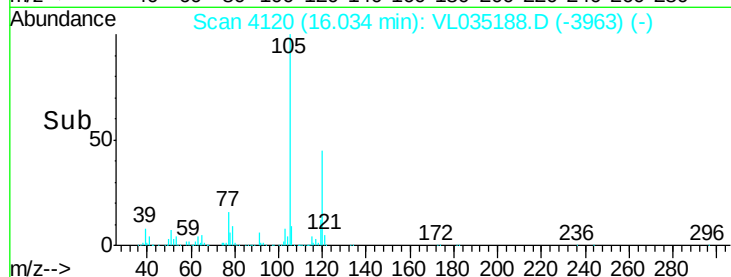
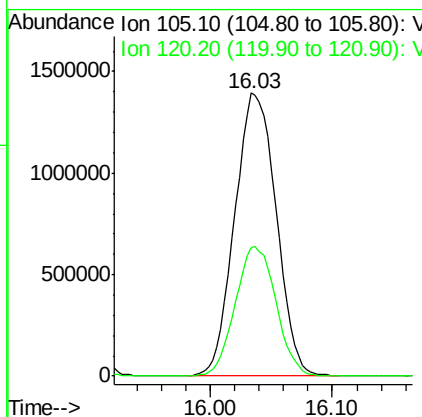
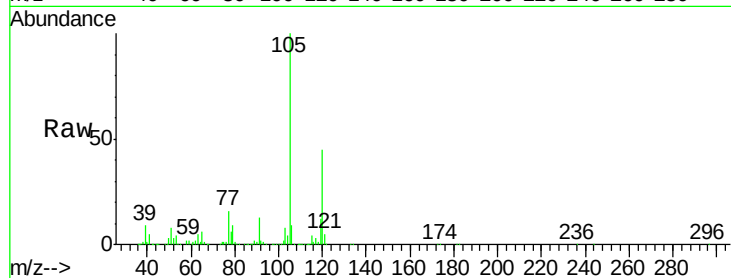
#73
 1,3,5-Trimethylbenzene
 Concen: 11.102 ppbv
 RT: 16.03 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3271076
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.2 54.2

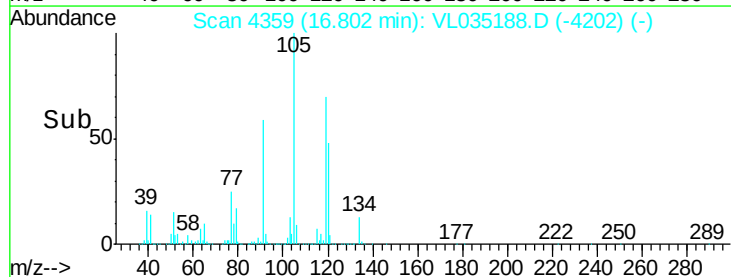
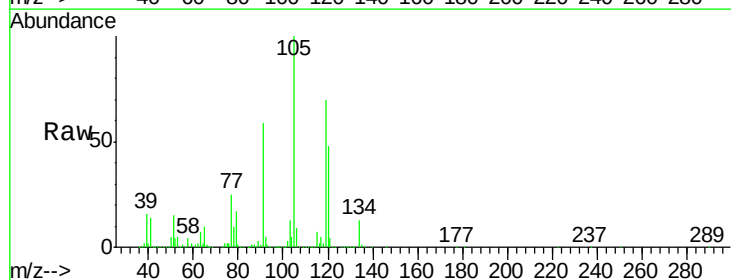
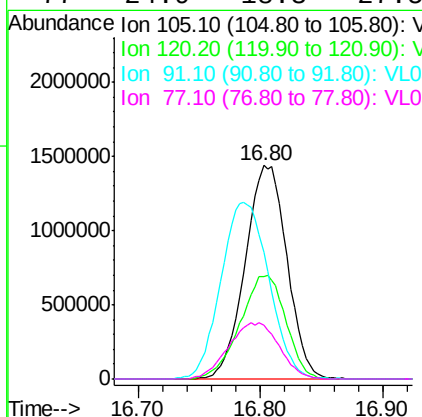
Manual Integrations
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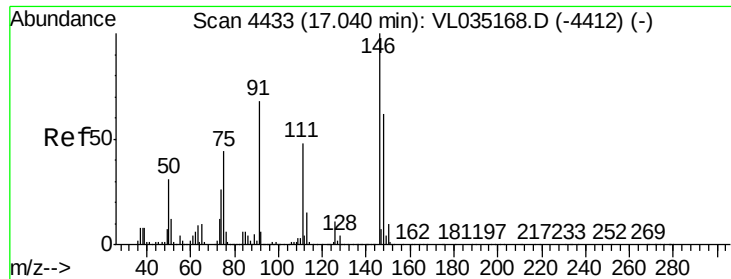
MMDadoda
 7/9/2020 12:03:03 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.473 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion:105 Resp: 3409922
 Ion Ratio Lower Upper
 105 100
 120 47.8 38.6 57.8
 91 58.9 43.6 65.4
 77 24.9 18.3 27.5





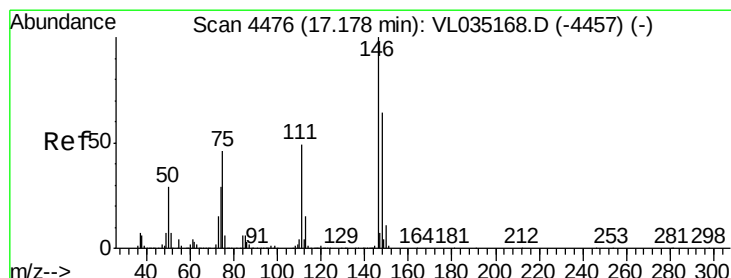
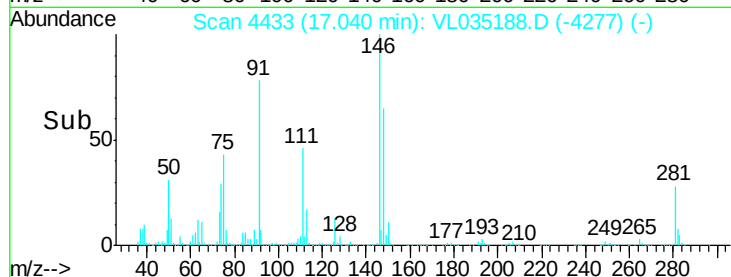
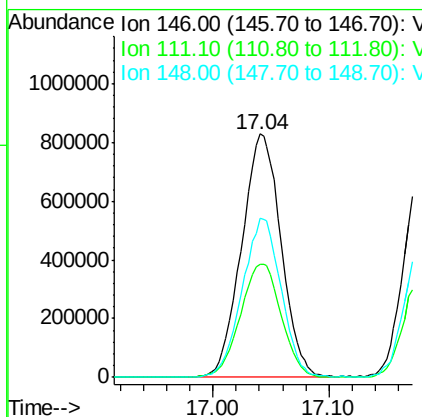
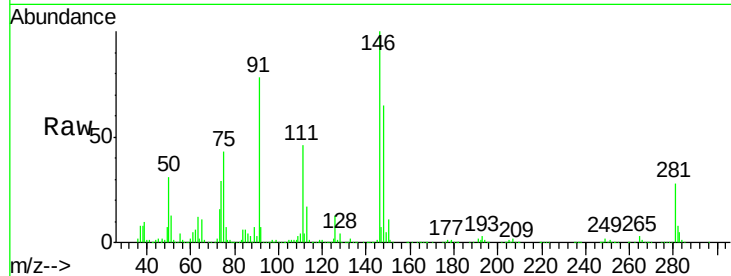
#75
 1,3-Dichlorobenzene
 Concen: 9.518 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.7	74.1
148	64.6	32.4	97.0

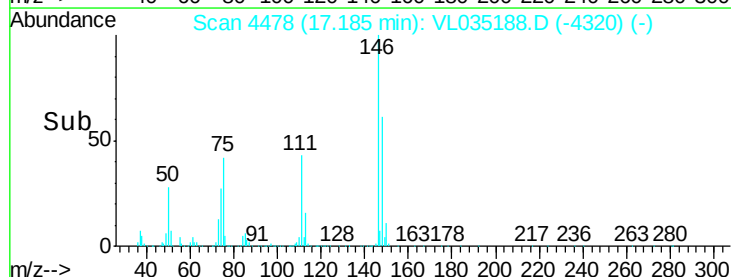
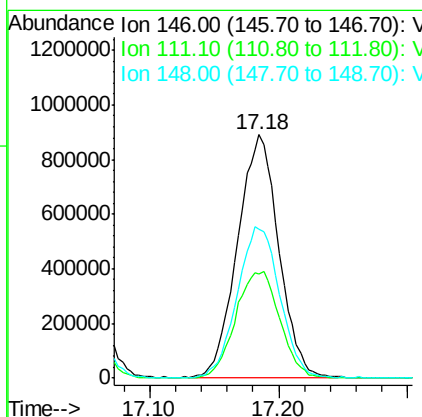
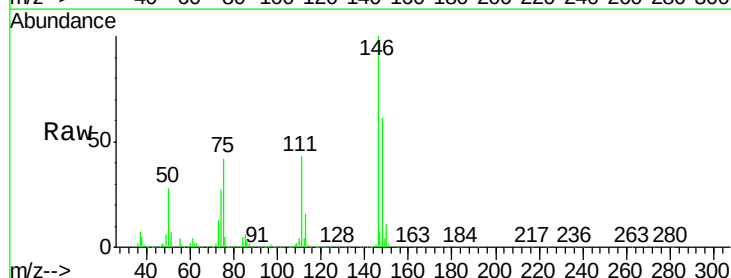
Manual Integrations
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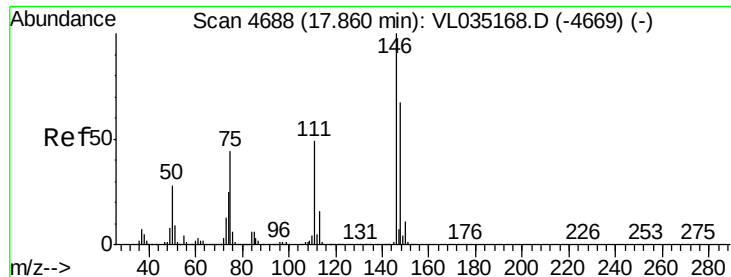
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#76
 1,4-Dichlorobenzene
 Concen: 10.259 ppbv
 RT: 17.18 min Scan# 4478
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.8	71.2
148	64.9	32.3	96.9





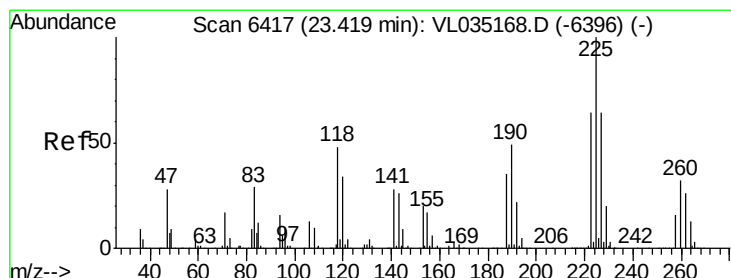
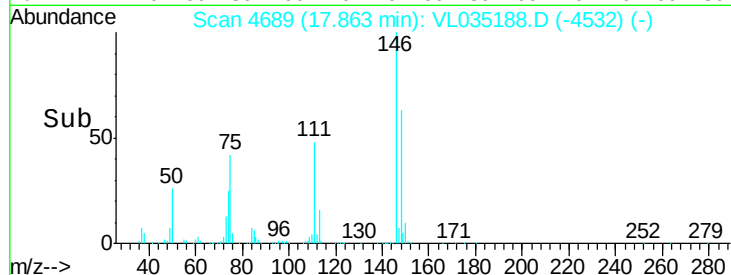
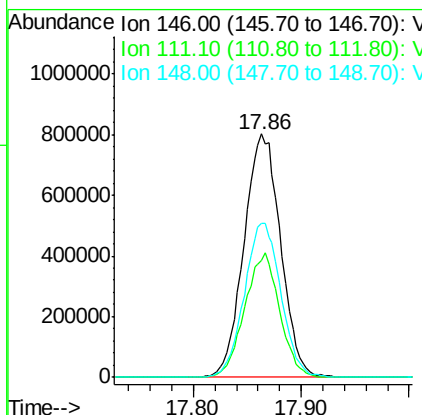
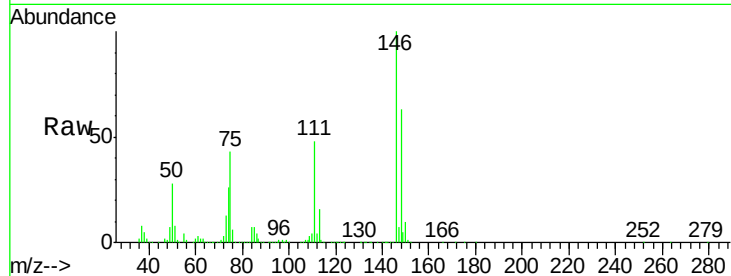
#77
 1,2-Dichlorobenzene
 Concen: 10.199 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion:146 Resp: 1893510
 Ion Ratio Lower Upper
 146 100
 111 48.8 25.1 75.2
 148 63.2 32.4 97.0

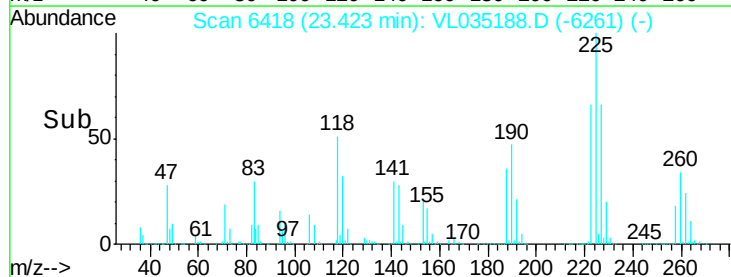
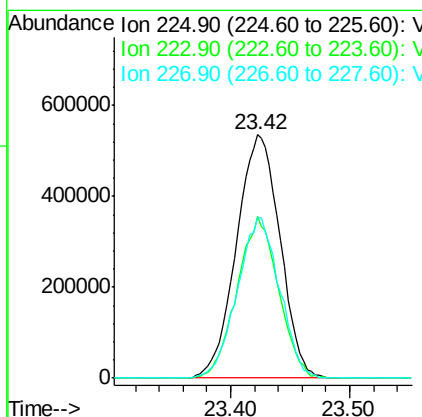
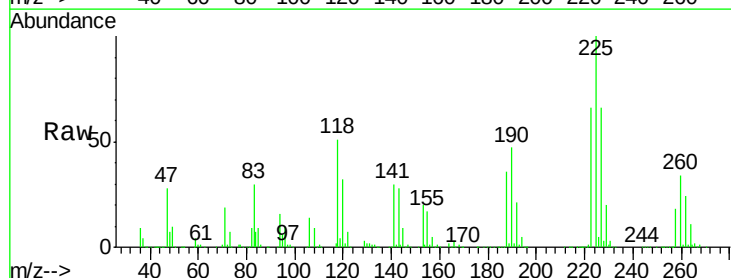
Manual Integrations
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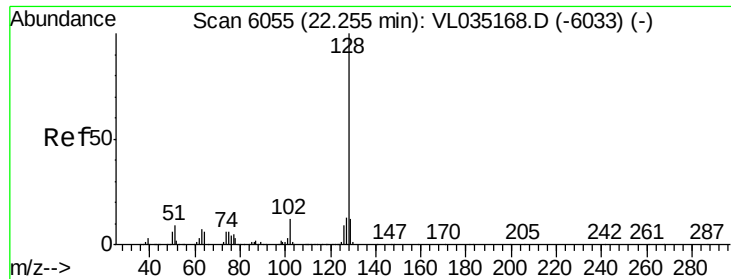
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.245 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion:225 Resp: 1356295
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.2 75.2
 227 63.9 51.2 76.8





#79

Naphthalene

Concen: 13.191 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

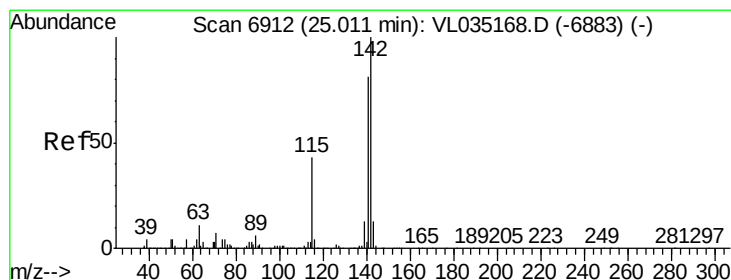
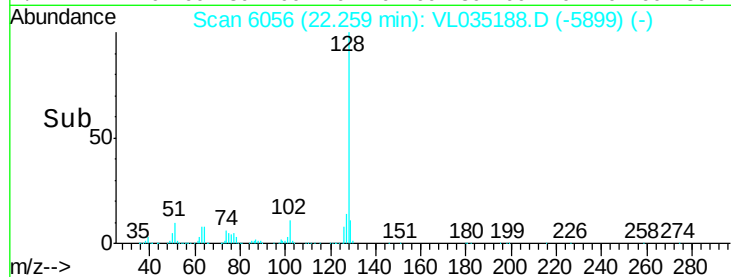
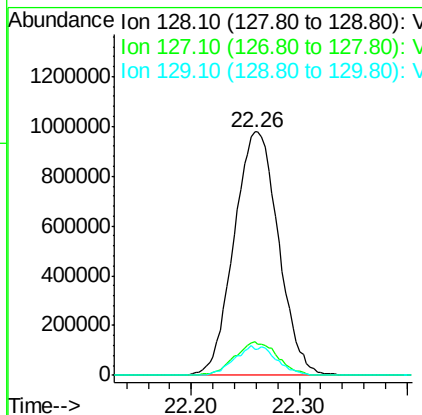
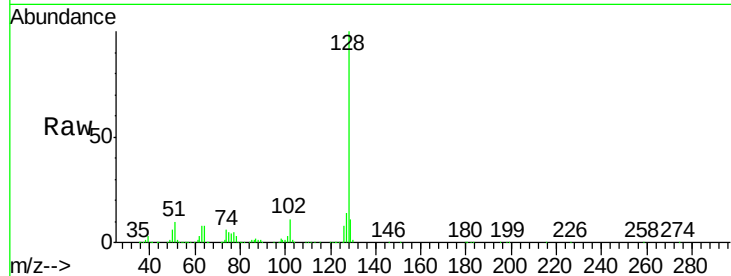
ClientSampleId :

VSTDCCC010EC

Tot Ion:	128	Resp:	2779141
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.8	16.2
129	10.7	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
7/9/2020 12:03:03 PM



#80

Naphthalene, 2-methyl-

Concen: 19.539 ppbv

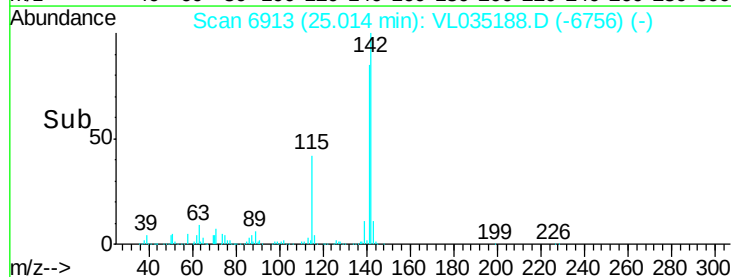
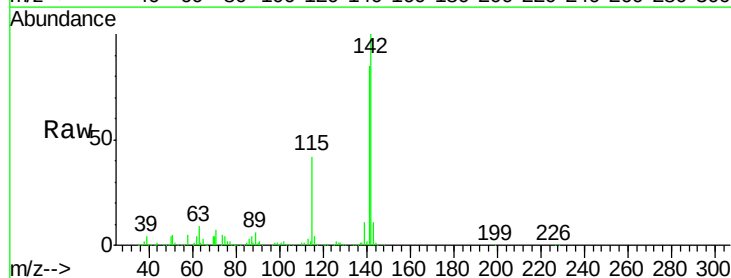
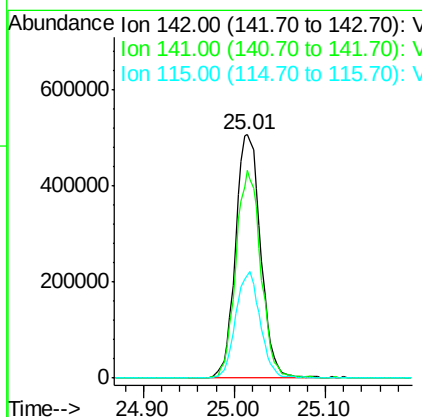
RT: 25.01 min Scan# 6913

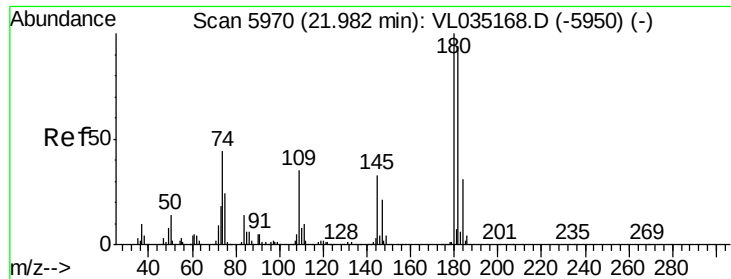
Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Tgt Ion:	142	Resp:	972389
Ion	Ratio	Lower	Upper
142	100		
141	84.9	68.2	102.4
115	42.6	34.4	51.6





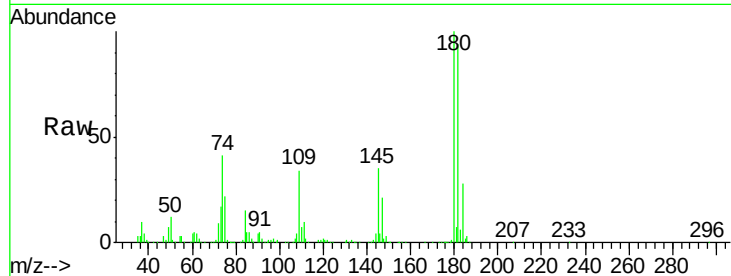
#81
 1,2,4-Trichlorobenzene
 Concen: 11.684 ppbv
 RT: 21.99 min Scan# 5973
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
184	30.8	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:03:03 PM



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

