

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035313.D
 Acq On : 31 Jul 2020 21:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 8/3/2020 12:36:36 PM

Quant Time: Aug 01 04:24:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1307431	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3139197	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	3223723	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2490989	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1689784	10.821	ppbv	100
3) Chlorodifluoromethane	2.95	51	1421732	9.824	ppbv	99
4) Chloromethane	3.10	50	794893	9.760	ppbv	96
5) Vinyl Chloride	3.22	62	826883	9.747	ppbv	98
6) Bromomethane	3.44	94	532863	10.169	ppbv	95
7) Chloroethane	3.53	64	313670	10.244	ppbv	99
8) Dichlorotetrafluoroethane	3.15	85	2006013	10.125	ppbv	99
9) Propene	2.97	41	526867	10.444	ppbv	98
10) Heptane	8.14	43	1573905	11.526	ppbv	100
11) Trichlorofluoromethane	3.92	101	2152897	10.250	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1501942	10.083	ppbv	100
13) Ethanol	3.57	45	131081	6.384	ppbv	95
14) Bromoethene	3.71	108	642259	10.565	ppbv	99
15) Acetone	3.82	43	1644409	9.429	ppbv	99
16) 1,3-Butadiene	3.29	39	733243	10.779	ppbv	99
17) tert-Butyl alcohol	4.27	59	1680093	9.982	ppbv	99
18) 1,1-Dichloroethene	4.27	96	707288	10.694	ppbv	92
19) Isopropyl Alcohol	3.94	45	1089206	9.470	ppbv	100
20) Methylene Chloride	4.32	84	610586	7.692	ppbv	99
21) Allyl Chloride	4.39	41	1082950	10.904	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	677860	10.666	ppbv	97
23) Vinyl Acetate	5.06	43	1916635	10.938	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1661626	10.168	ppbv	99
25) Ethyl Acetate	5.67	43	2822102	10.363	ppbv	100
26) Hexane	5.68	57	1265544	10.301	ppbv	99
27) Carbon Disulfide	4.53	76	1816000	10.941	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1918570	10.924	ppbv	100
29) Chloroform	5.75	83	2102735	10.205	ppbv	98
30) Cyclohexane	7.14	84	1054271	12.005	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1264866	11.810	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2078454	9.855	ppbv	98
34) 2-Butanone	5.23	43	1690338	10.583	ppbv	99
35) Carbon Tetrachloride	7.03	117	2225728	10.589	ppbv	99
36) Benzene	6.90	78	2464408	11.296	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1661020	10.891	ppbv	100
38) Trichloroethene	7.85	130	1060415	11.728	ppbv	93
39) 1,2-Dichloropropane	7.63	63	976754	11.221	ppbv	96
40) 1,4-Dioxane	7.85	88	374818	10.935	ppbv	82
41) Tetrahydrofuran	6.05	42	902163	11.524	ppbv	98
42) Bromodichloromethane	7.81	83	2289929	11.250	ppbv	98
43) Methyl Methacrylate	8.03	69	1141202	12.073	ppbv	100

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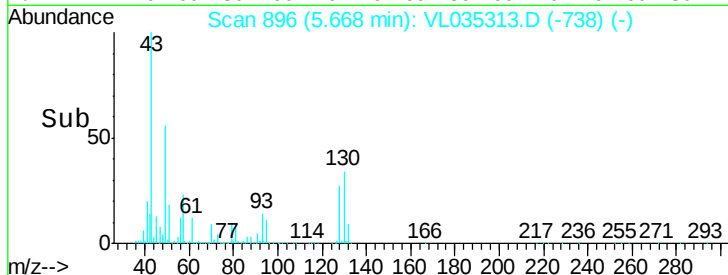
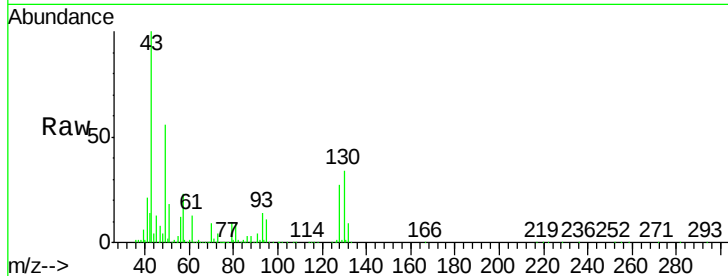
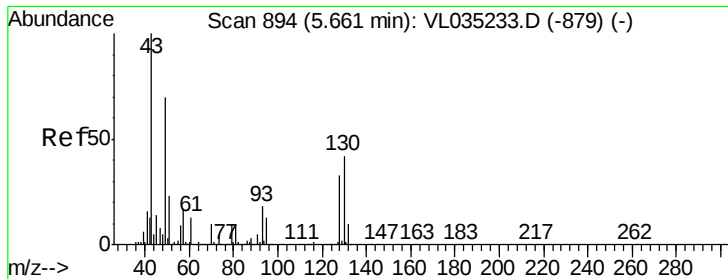
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4348396	11.312	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1296902	13.617	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1527860	13.168	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1115874	10.852	ppbv	96
48) Dibromochloromethane	10.34	129	1918808	11.849	ppbv	99
49) Bromoform	13.09	173	1779308	12.222	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2669186	11.531	ppbv	99
51) 2-Hexanone	10.16	43	2143756	12.213	ppbv	98
52) Tetrachloroethene	11.26	164	926421	11.129	ppbv	94
53) Toluene	9.84	91	2941731	12.687	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1694805	11.400	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	1497429	10.102	ppbv	99
57) Chlorobenzene	12.19	112	2414516	9.954	ppbv	99
58) Ethyl Benzene	12.75	91	4083350	11.960	ppbv	100
59) m/p-Xylene	13.04	91	6953371m	21.876	ppbv	
60) o-Xylene	13.74	91	3534418	11.145	ppbv	99
61) Styrene	13.57	104	2425474	12.600	ppbv	99
62) Isopropylbenzene	14.71	105	5139587	10.889	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2626248	9.624	ppbv	99
64) n-propylbenzene	15.61	120	1407680	11.216	ppbv	97
65) tert-Butylbenzene	16.80	119	4732996	11.069	ppbv	100
66) Benzyl Chloride	17.04	91	1889314	11.280	ppbv	99
67) sec-Butylbenzene	17.35	105	6648535	10.641	ppbv	99
69) p-Isopropyltoluene	17.70	119	5494197	10.780	ppbv	99
70) n-Butylbenzene	18.60	91	5805016	10.528	ppbv	99
71) 2-Chlorotoluene	15.50	91	4015656	11.282	ppbv	100
72) 4-Ethyltoluene	15.89	105	4123084	11.551	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3925550	11.277	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	4162308	10.271	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	2459494	9.400	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2409162	10.179	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	2356796	10.056	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1765753	9.205	ppbv	99
79) Naphthalene	22.27	128	3522951	10.933	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	1221664	11.714	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	2021404	10.305	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

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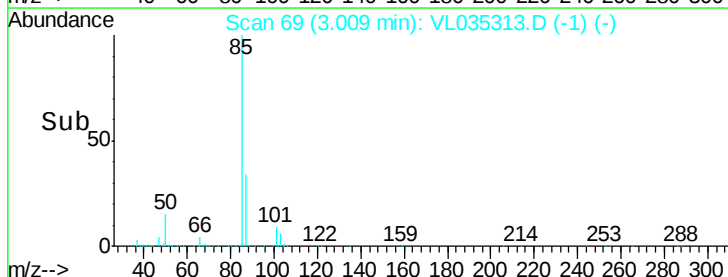
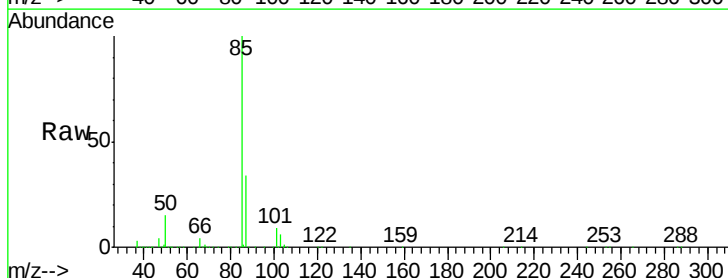
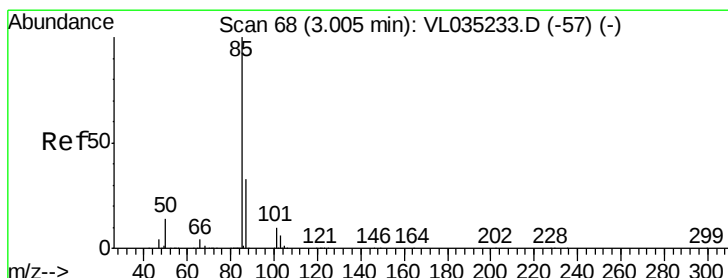
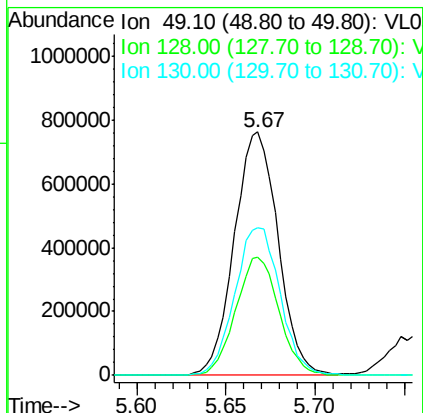
Acq: 31 Jul 2020 21:59

Tot Ion	49	Ratio	100	Resp	1307431
Ion	49	100		Lower	Upper
	128	48.1		24.0	72.0
	130	62.7		30.7	92.1

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#2

Dichlorodifluoromethane

Concen: 10.821 ppbv

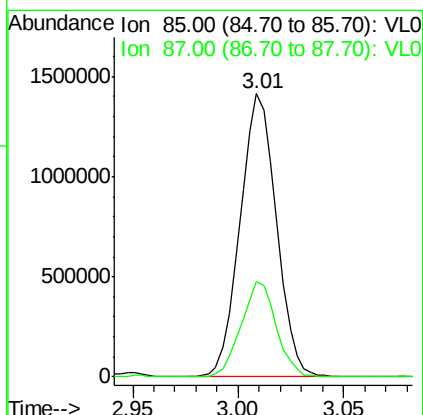
RT: 3.01 min Scan# 69

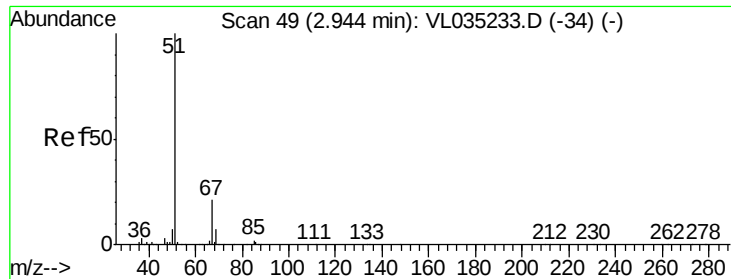
Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion	85	Ratio	100	Resp	1689784
Ion	85	100		Lower	Upper
	87	33.7		26.7	40.1





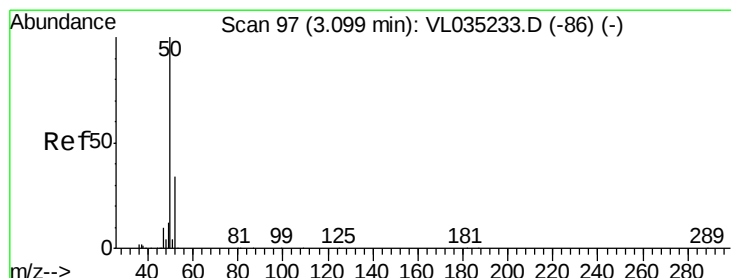
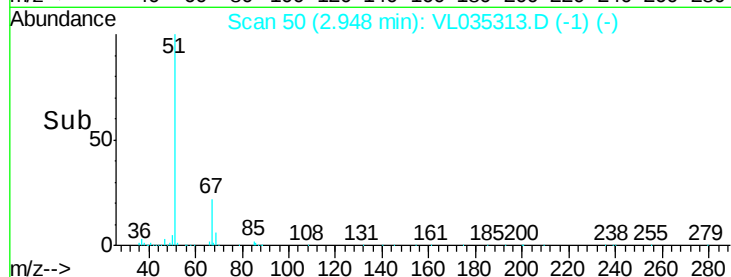
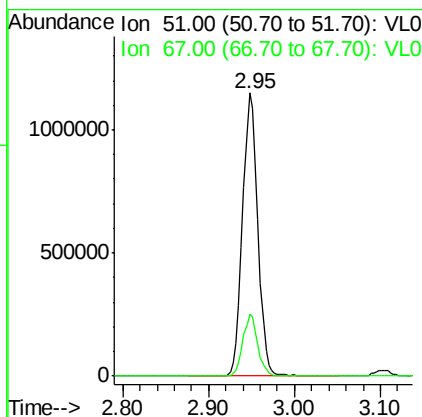
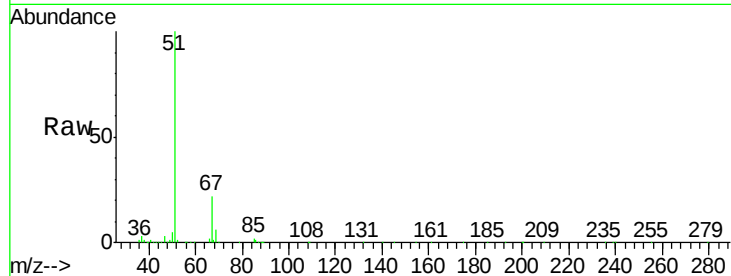
#3
Chlorodifluoromethane
Concen: 9.824 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1421732
Ion Ratio Lower Upper
51 100
67 21.2 16.6 25.0

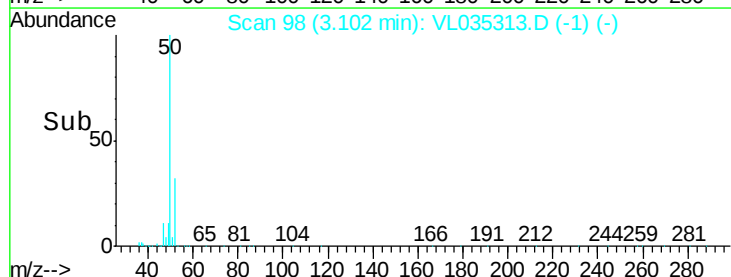
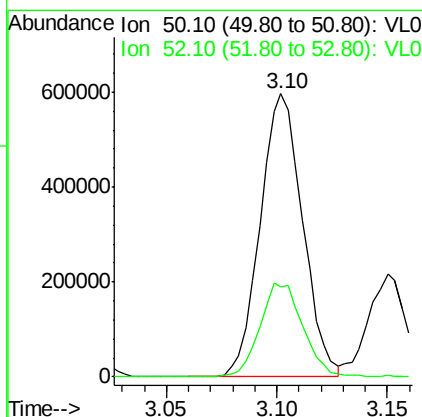
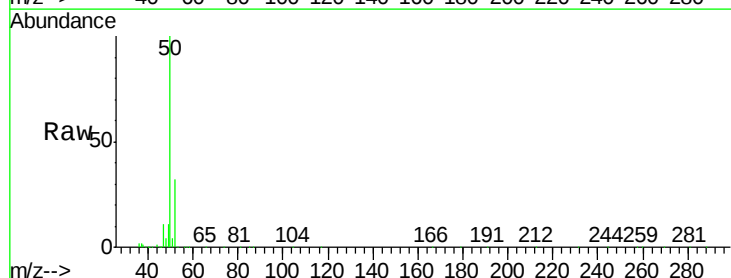
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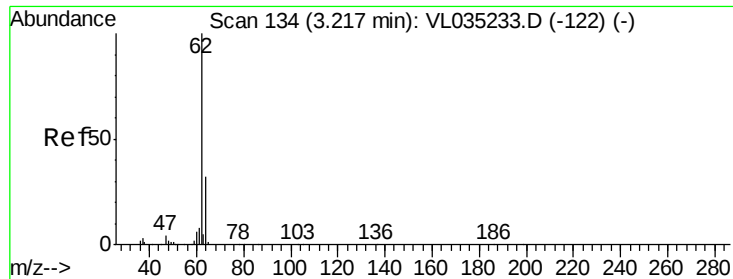
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#4
Chloromethane
Concen: 9.760 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion: 50 Resp: 794893
Ion Ratio Lower Upper
50 100
52 31.8 27.1 40.7





#5

Vinyl Chloride

Concen: 9.747 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 826883

Ion Ratio Lower Upper

62 100

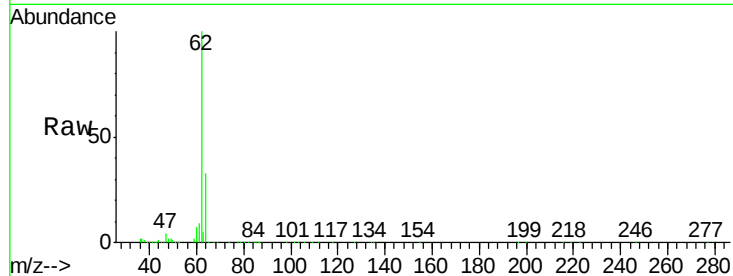
64 33.1 25.8 38.6

Manual Integrations

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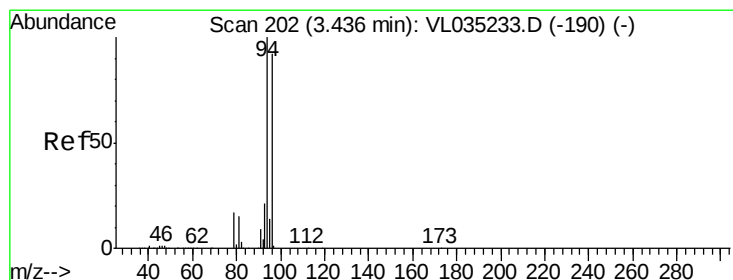
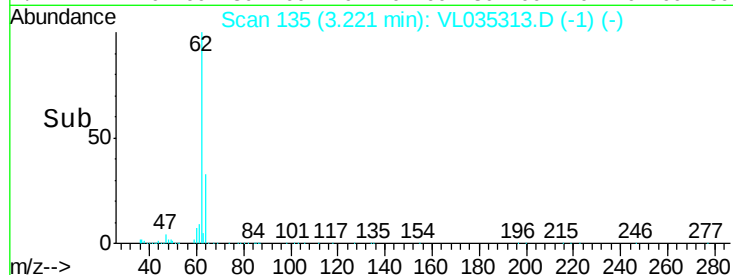
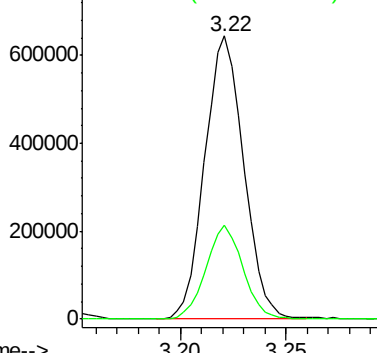
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.169 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL035313.D

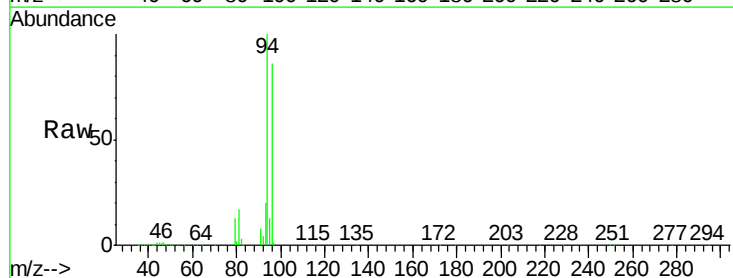
Acq: 31 Jul 2020 21:59

Tgt Ion: 94 Resp: 532863

Ion Ratio Lower Upper

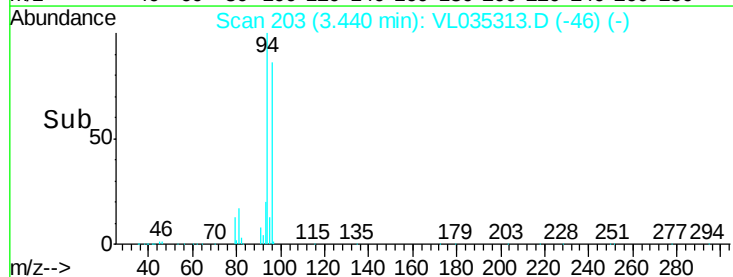
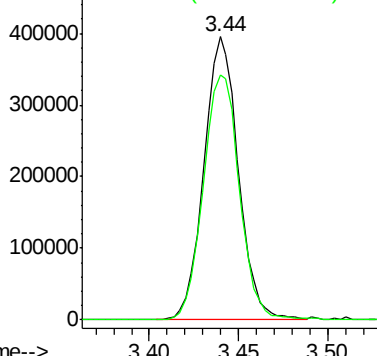
94 100

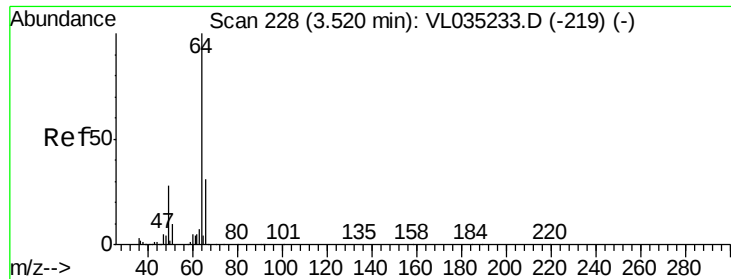
96 86.3 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.244 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 313670

Ion Ratio Lower Upper

64 100

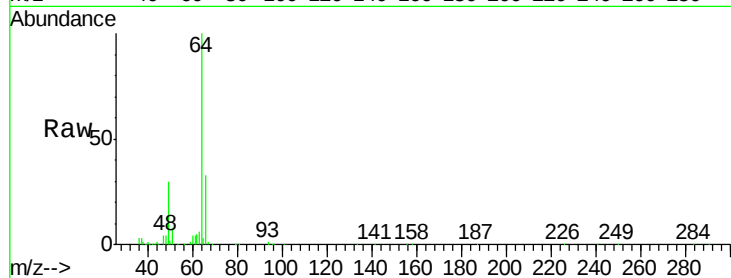
66 32.8 25.6 38.4

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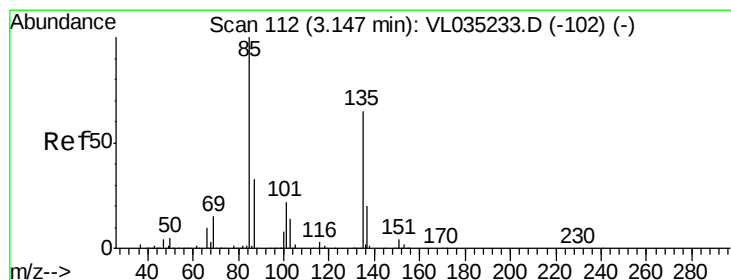
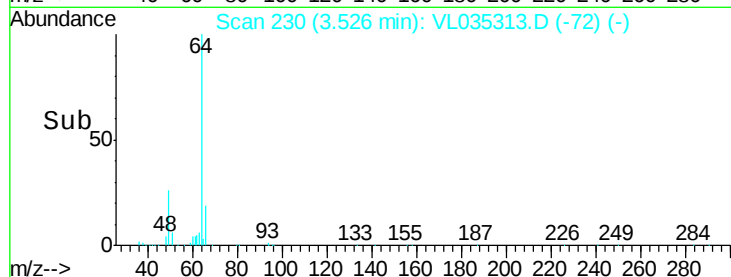
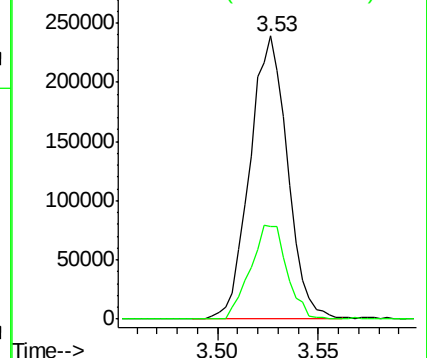
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.125 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL035313.D

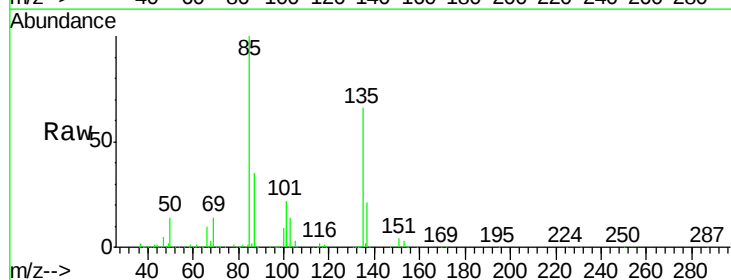
Acq: 31 Jul 2020 21:59

Tgt Ion: 85 Resp: 2006013

Ion Ratio Lower Upper

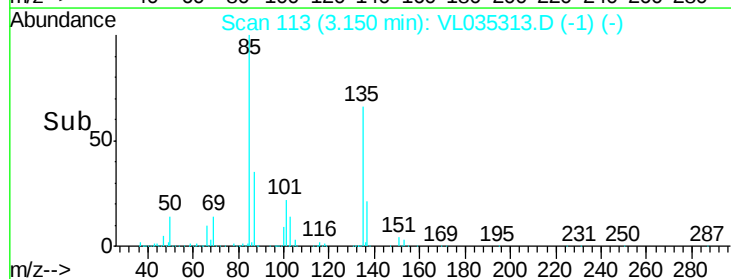
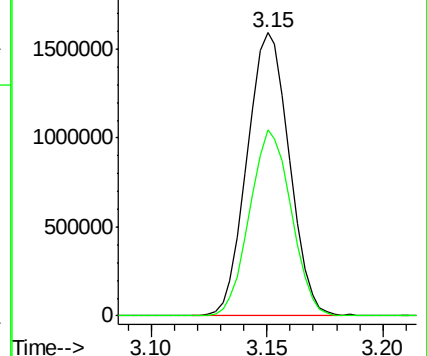
85 100

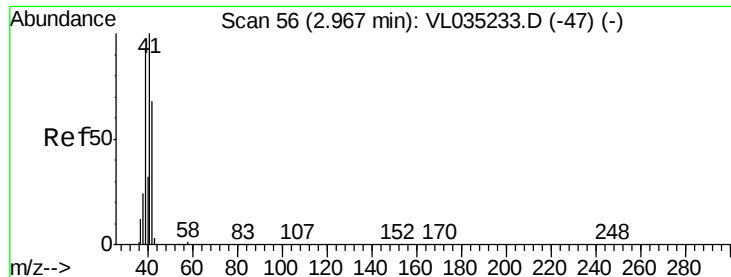
135 64.9 51.4 77.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.444 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 526867

Ion Ratio Lower Upper

41 100

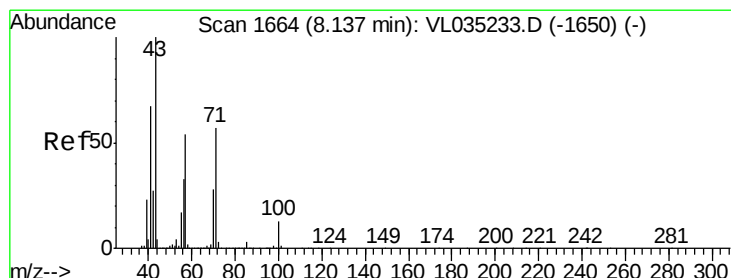
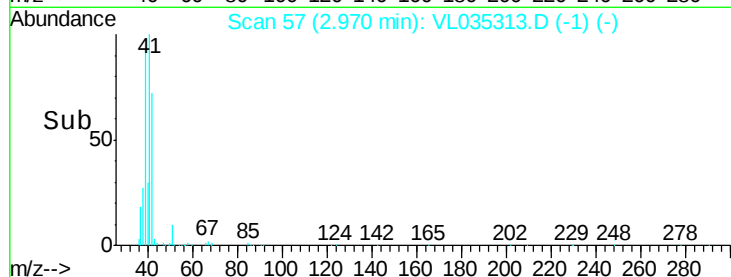
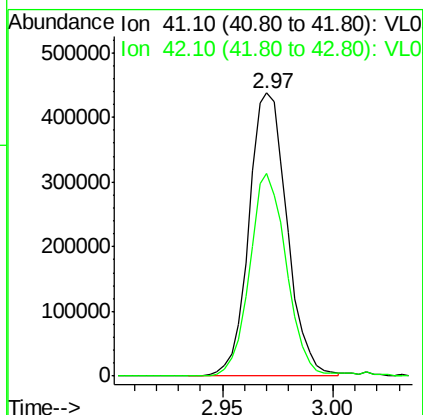
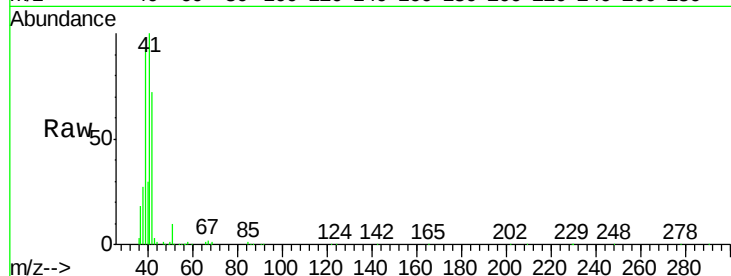
42 70.6 55.0 82.6

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#10

Heptane

Concen: 11.526 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL035313.D

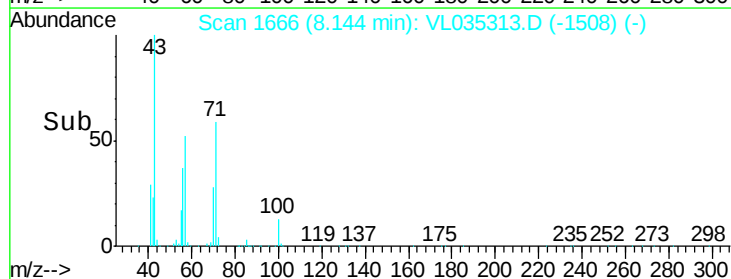
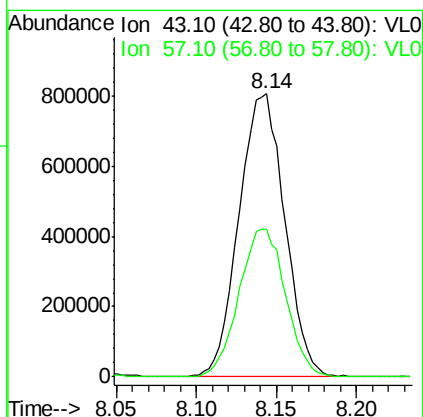
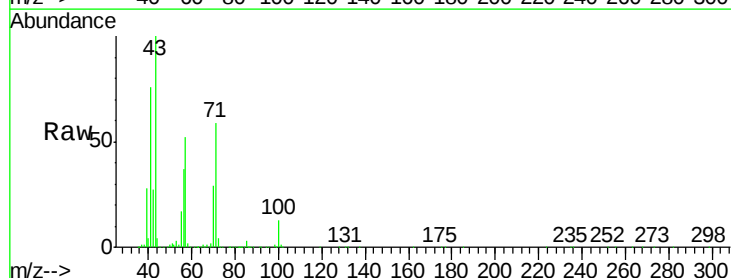
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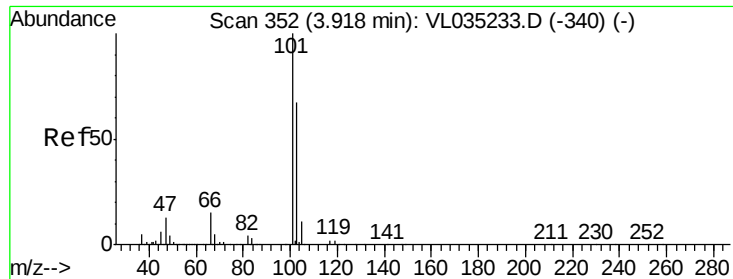
Tgt Ion: 43 Resp: 1573905

Ion Ratio Lower Upper

43 100

57 53.6 43.0 64.4





#11

Trichlorofluoromethane

Concen: 10.250 ppbv

RT: 3.92 min Scan# 353

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

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Tot Ion:101 Resp: 2152897

Ion Ratio Lower Upper

101 100

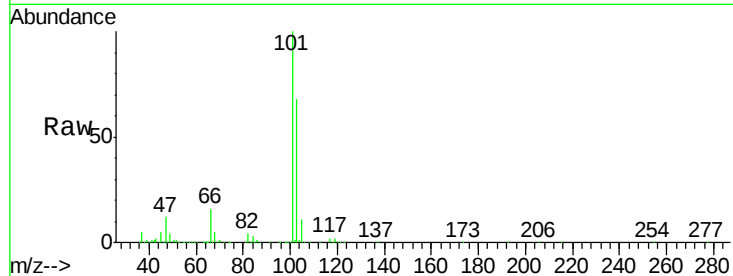
103 68.1 53.4 80.0

Manual Integrations

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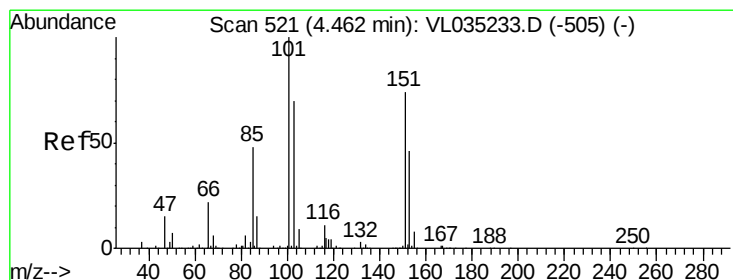
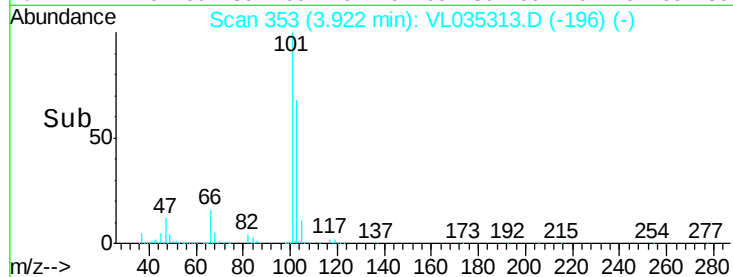
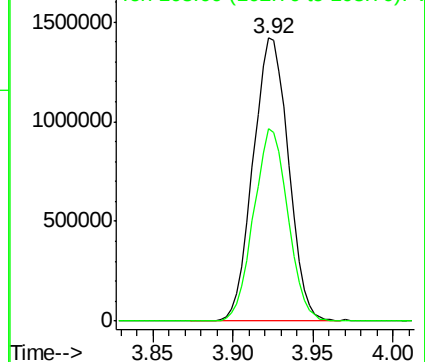
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.083 ppbv

RT: 4.47 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL035313.D

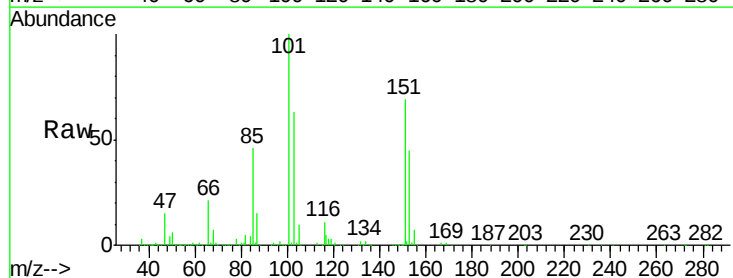
Acq: 31 Jul 2020 21:59

Tgt Ion:101 Resp: 1501942

Ion Ratio Lower Upper

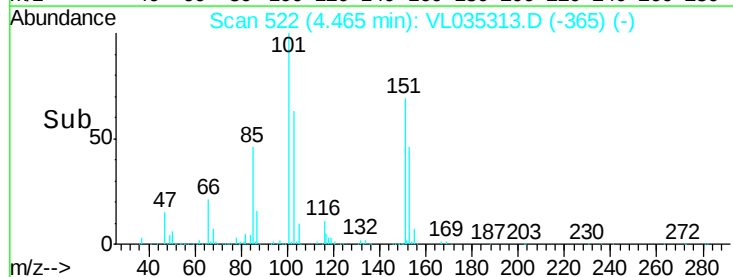
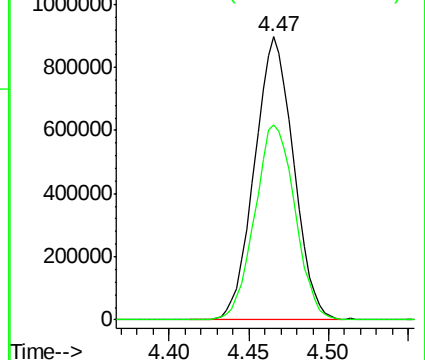
101 100

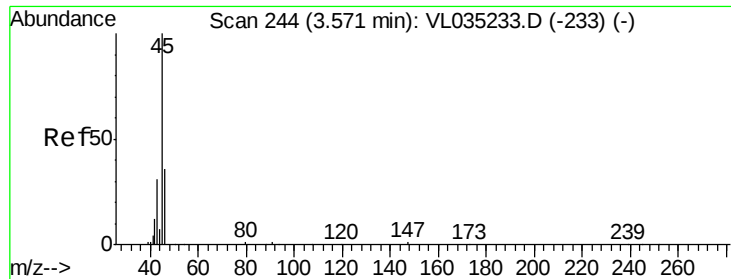
151 71.1 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.384 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 131081

Ion Ratio Lower Upper

45 100

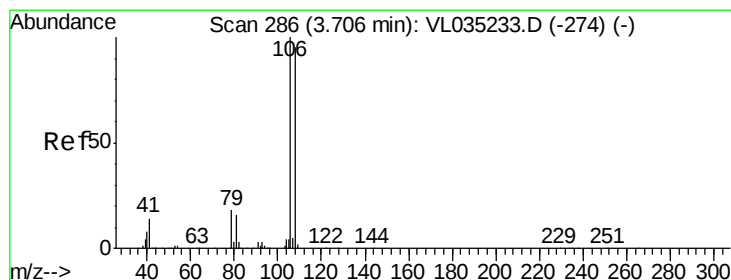
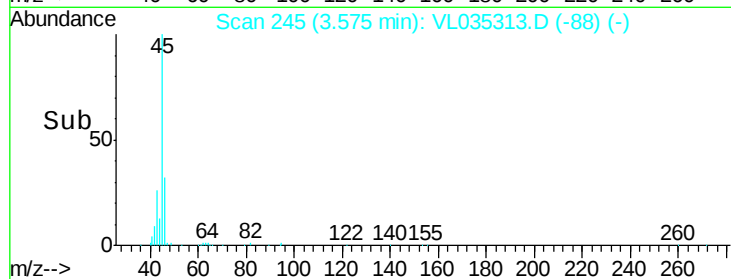
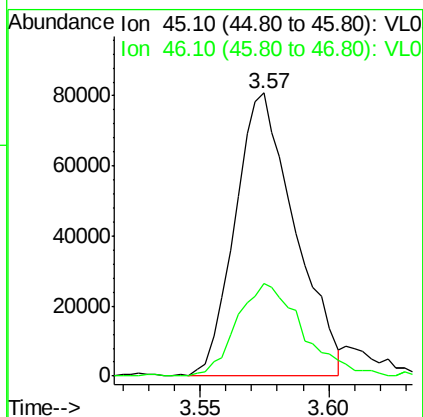
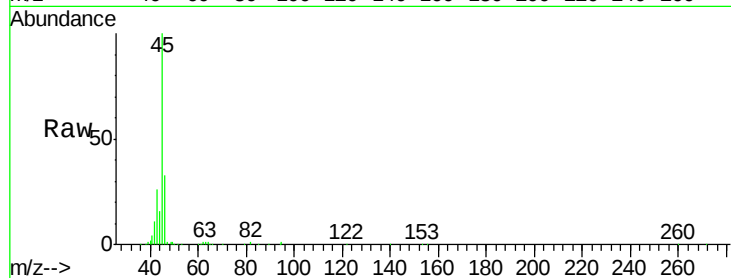
46 36.4 15.8 63.4

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#14

Bromoethene

Concen: 10.565 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

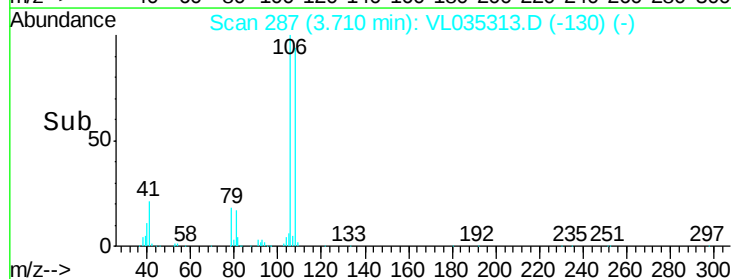
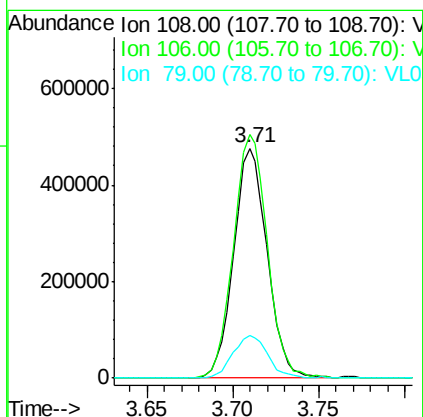
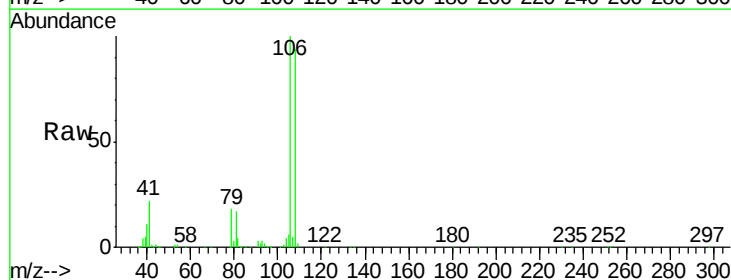
Tgt Ion: 108 Resp: 642259

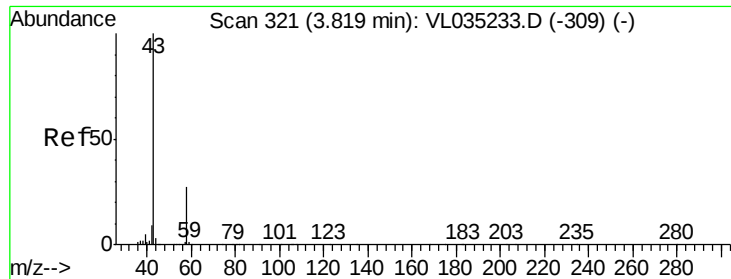
Ion Ratio Lower Upper

108 100

106 107.9 85.0 127.6

79 19.5 15.4 23.2





#15

Acetone

Concen: 9.429 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1644409

Ion Ratio Lower Upper

43 100

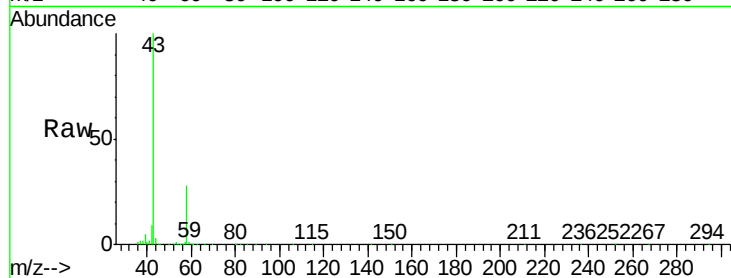
58 27.7 21.8 32.6

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.82

1200000

1000000

800000

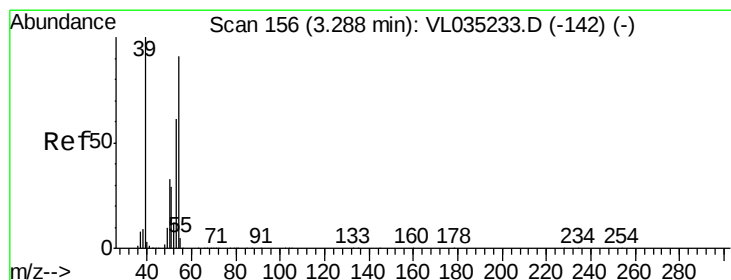
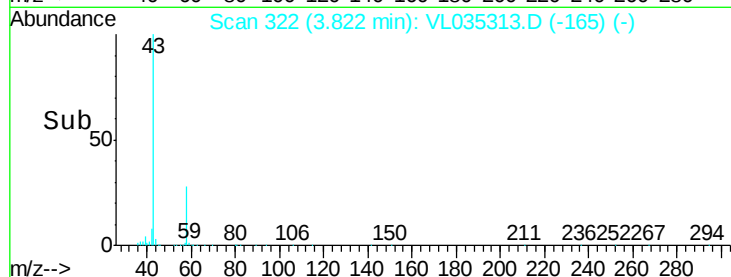
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 10.779 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.00 min

Lab File: VL035313.D

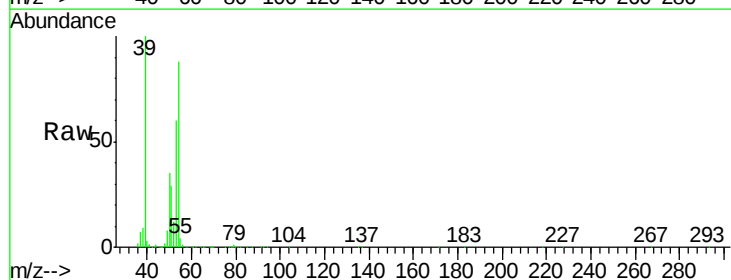
Acq: 31 Jul 2020 21:59

Tgt Ion: 39 Resp: 733243

Ion Ratio Lower Upper

39 100

54 84.2 68.2 102.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.29

600000

500000

400000

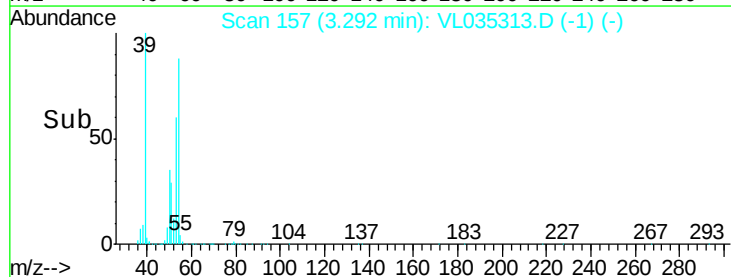
300000

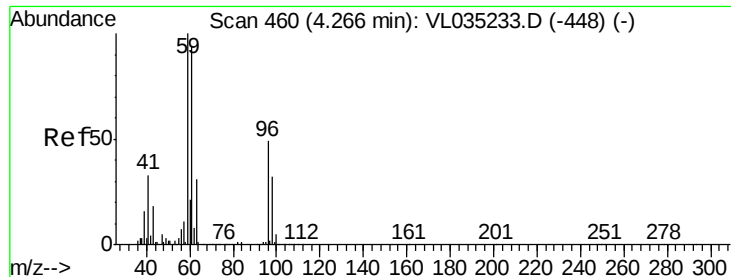
200000

100000

0

Time--> 3.20 3.25 3.30 3.35





#17

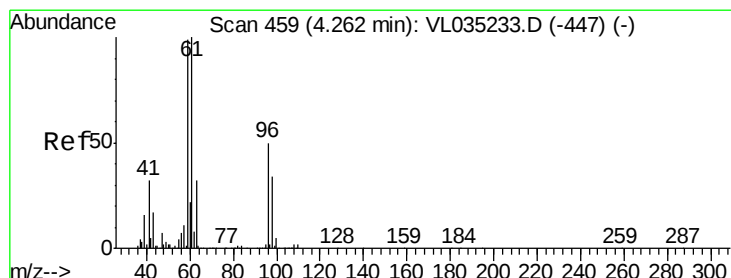
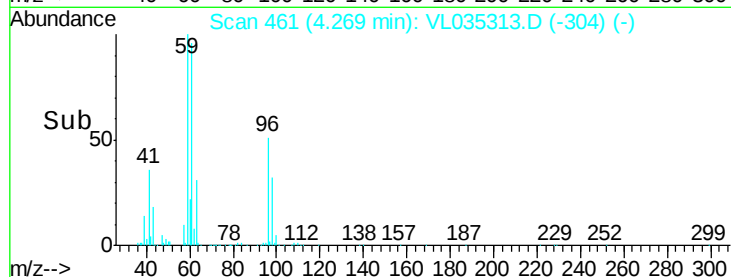
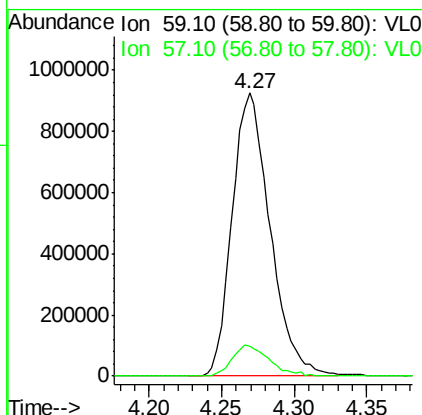
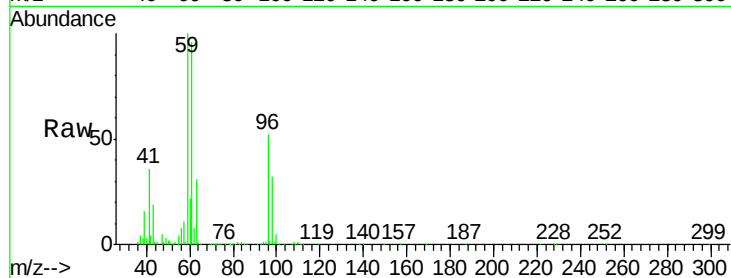
tert-Butyl alcohol
Concen: 9.982 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1680093
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

Manual Integrations
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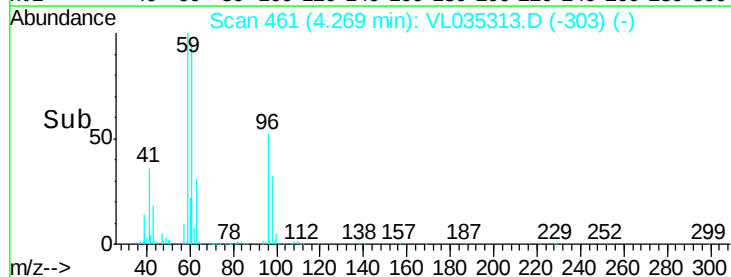
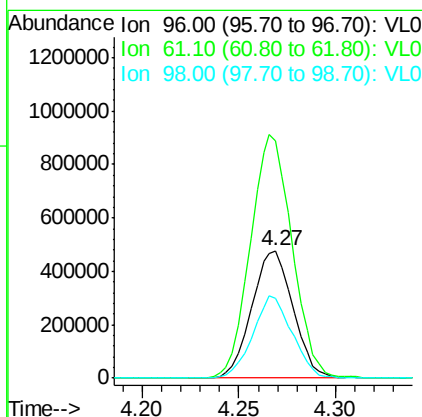
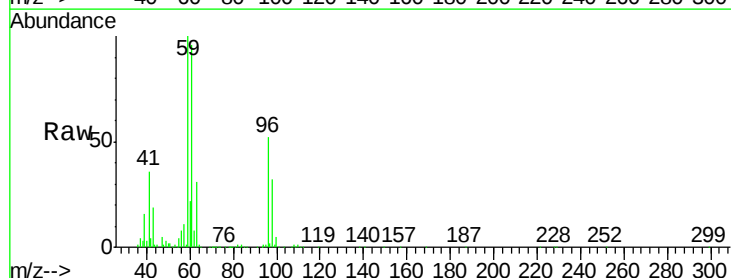
MMDadoda
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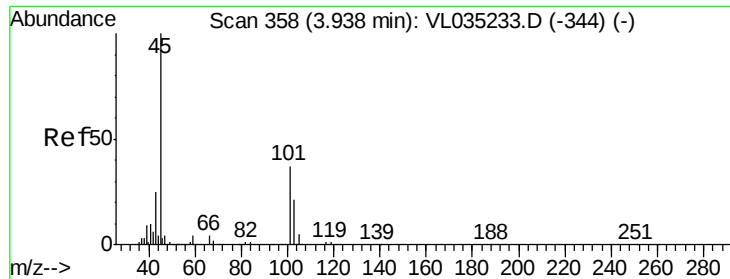


#18

1,1-Dichloroethene
Concen: 10.694 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion: 96 Resp: 707288
Ion Ratio Lower Upper
96 100
61 186.4 159.4 239.2
98 62.5 53.9 80.9





#19

Isopropyl Alcohol

Concen: 9.470 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tot Ion: 45 Resp: 1089206

Ion Ratio Lower Upper

45 100

58 2.5 1.9 2.9

Instrument :

MSVOA_L

ClientSampleId :

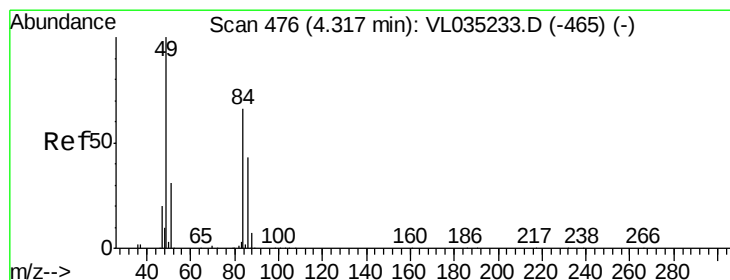
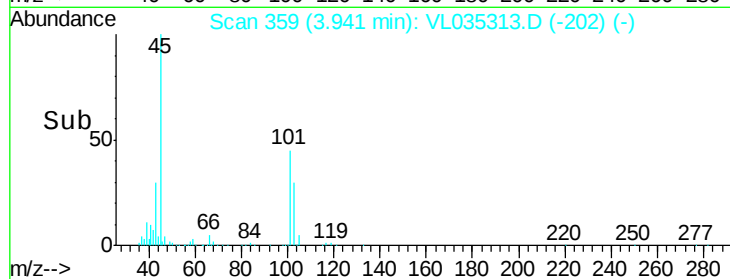
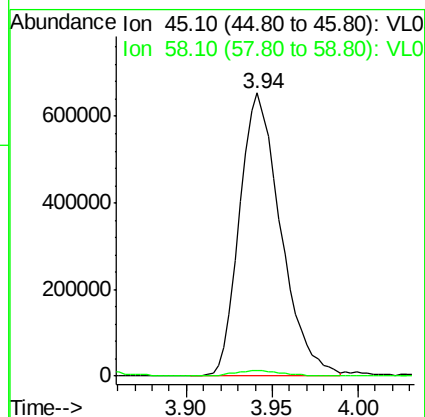
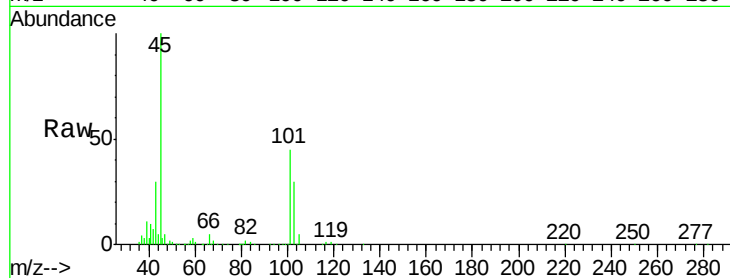
VSTDCCC010EC

Manual Integrations

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#20

Methylene Chloride

Concen: 7.692 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion: 84 Resp: 610586

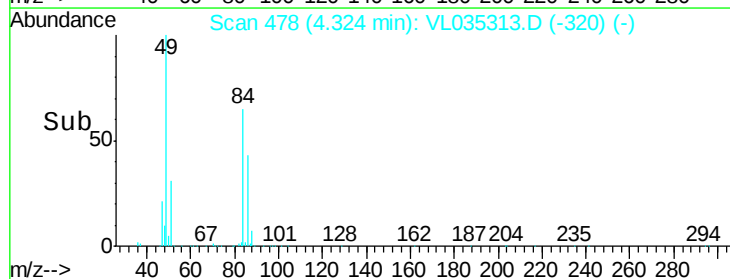
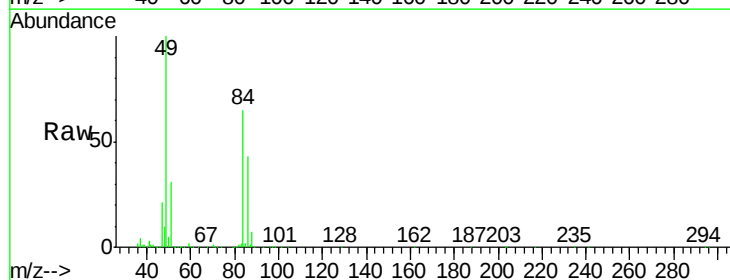
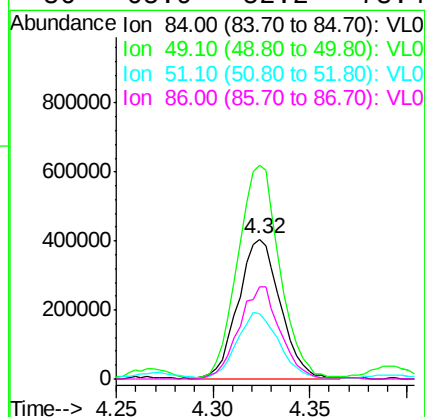
Ion Ratio Lower Upper

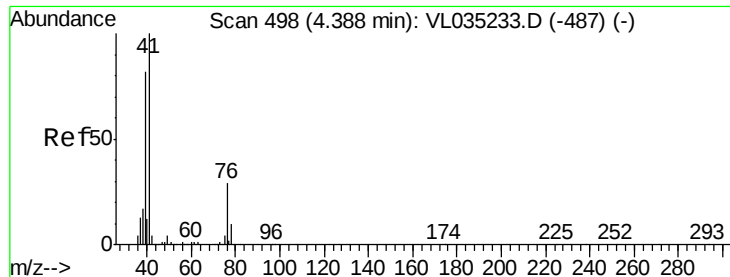
84 100

49 152.5 121.0 181.4

51 46.3 37.7 56.5

86 65.9 52.2 78.4





#21

Allvl Chloride

Concen: 10.904 ppbv

RT: 4.39 min Scan# 499

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

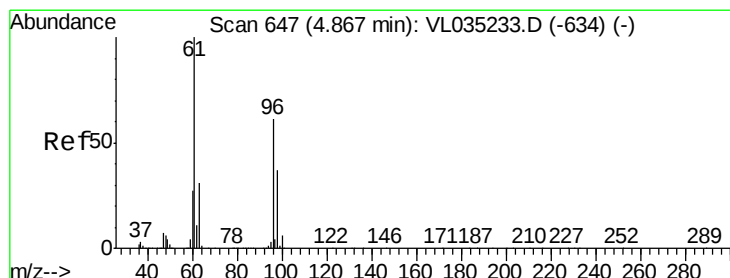
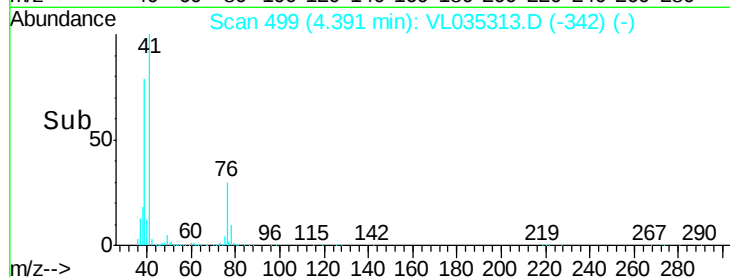
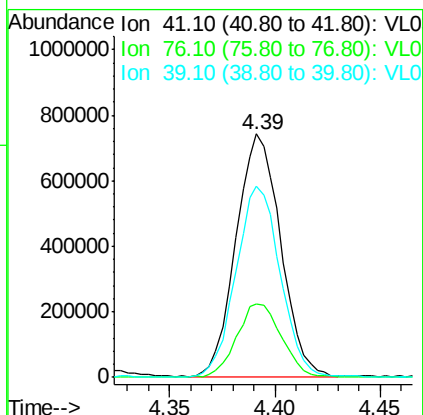
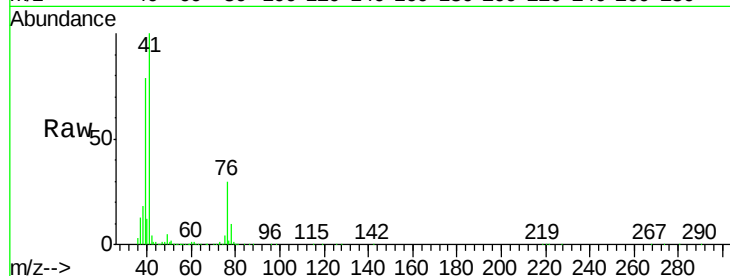
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	1082950
Ion	Ratio	Lower	Upper
41	100		
76	30.7	24.4	36.6
39	78.7	63.8	95.8

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#22

trans-1,2-Dichloroethene

Concen: 10.666 ppbv

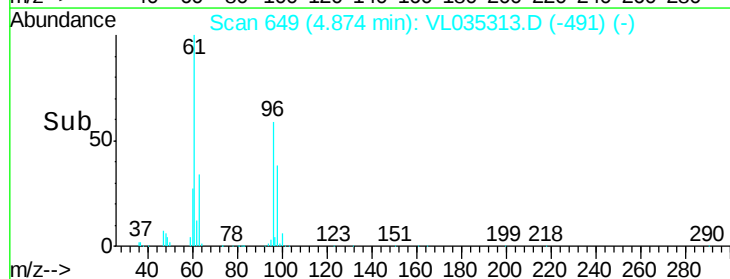
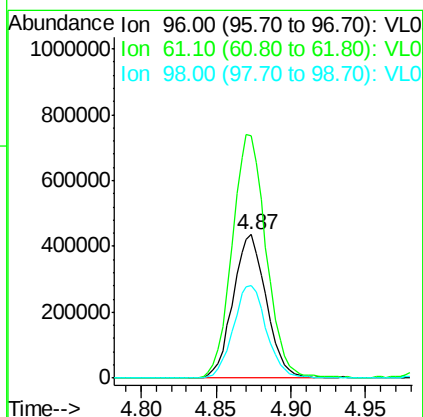
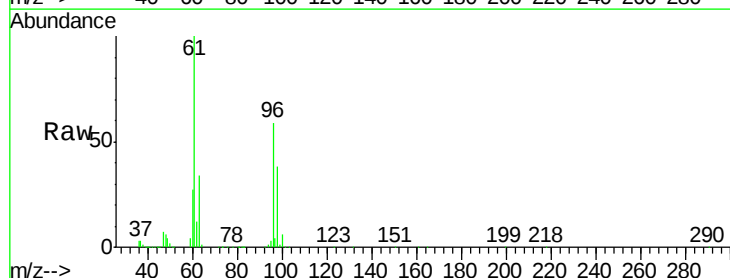
RT: 4.87 min Scan# 649

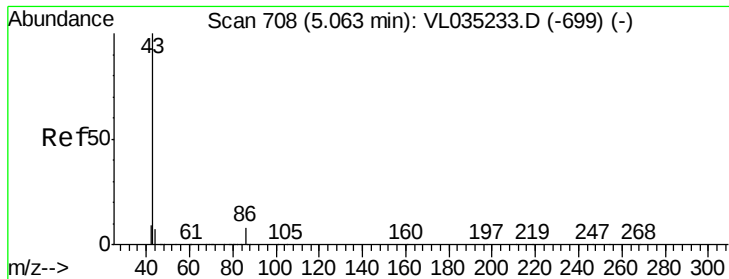
Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion:	96	Resp:	677860
Ion	Ratio	Lower	Upper
96	100		
61	168.3	131.6	197.4
98	64.1	49.0	73.4





#23

Vinyl Acetate

Concen: 10.938 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1916635

Ion Ratio Lower Upper

43 100

86 8.7 6.2 9.2

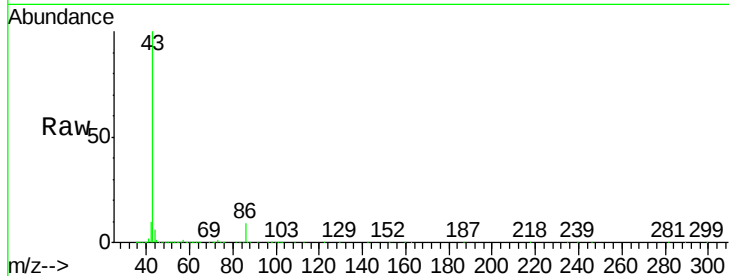
42 10.3 8.0 12.0

44 6.1 5.2 7.8

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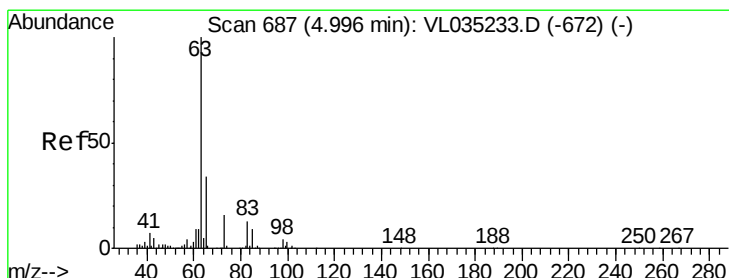
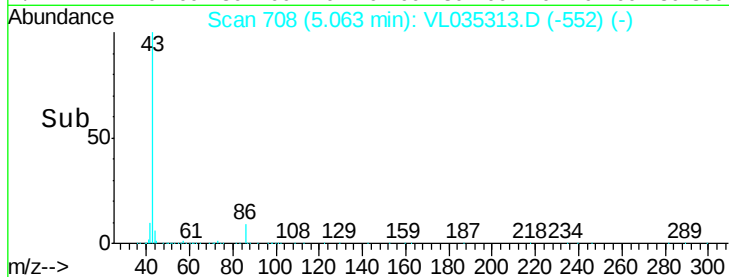
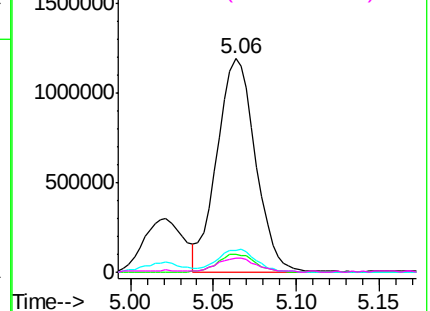


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.168 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

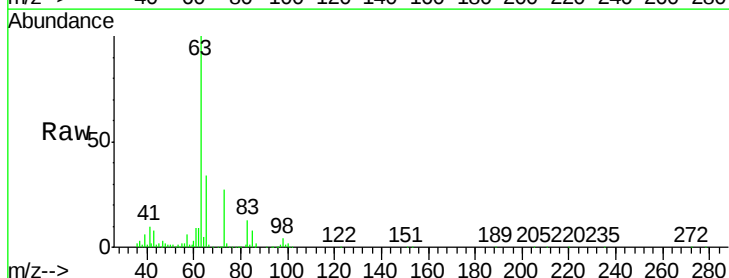
Tgt Ion: 63 Resp: 1661626

Ion Ratio Lower Upper

63 100

98 4.2 1.9 5.7

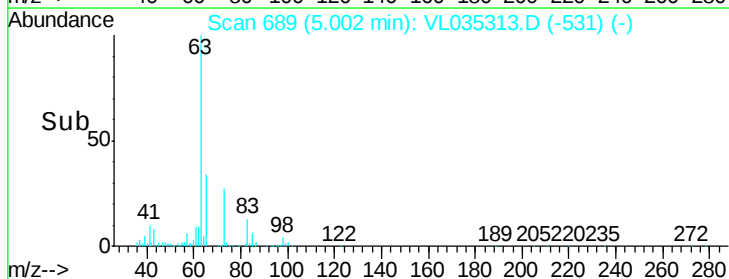
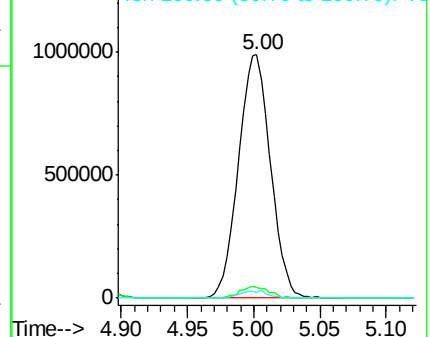
100 2.4 1.4 4.2

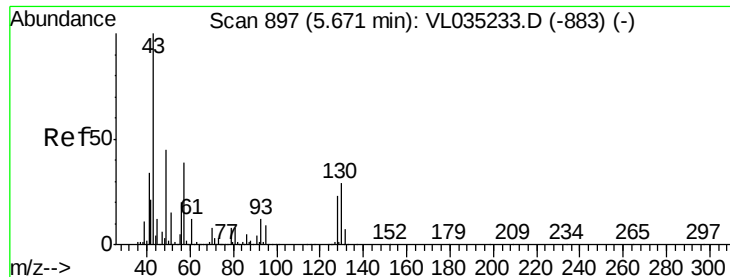


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





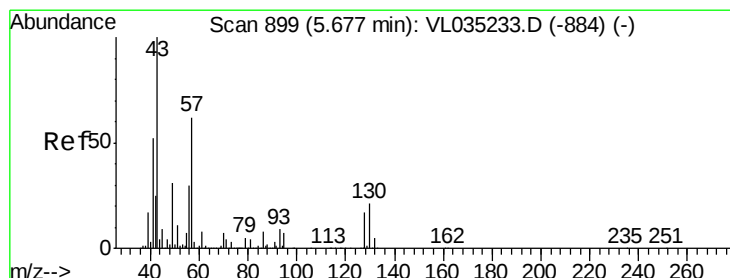
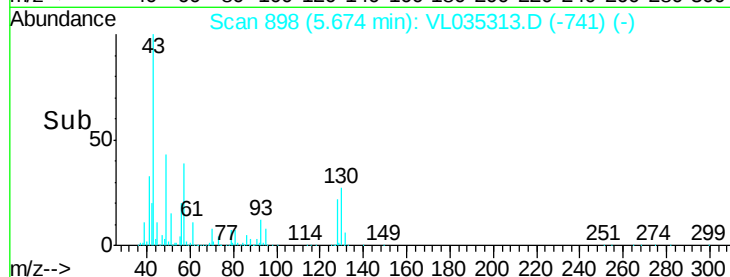
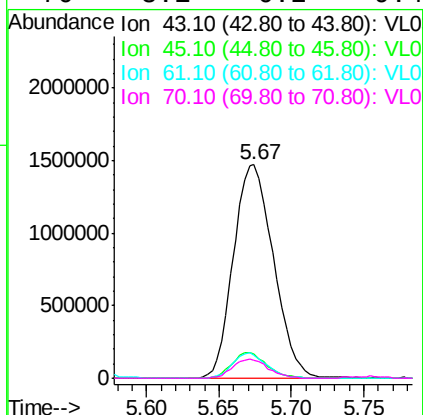
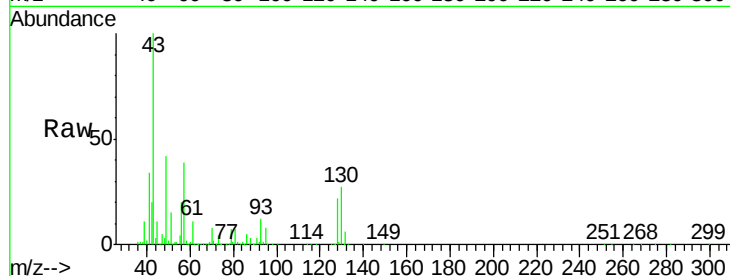
#25
Ethyl Acetate
Concen: 10.363 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.7	8.5	12.7	
61	10.2	8.1	12.1	
70	8.1	6.2	9.4	

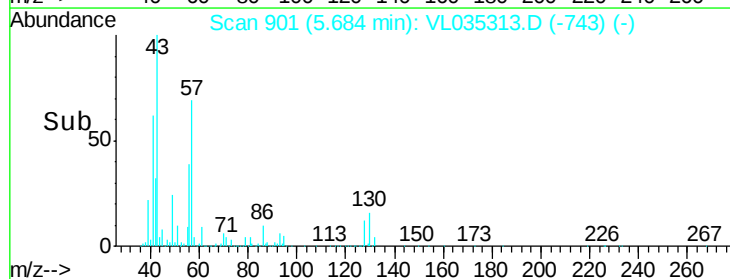
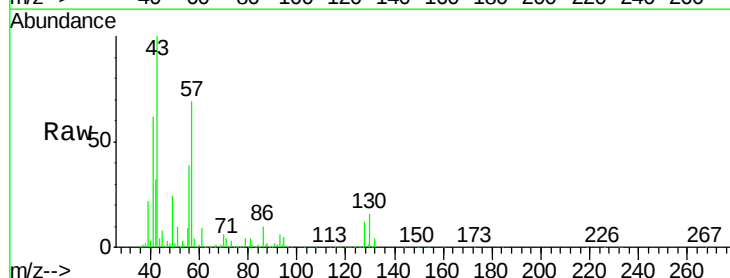
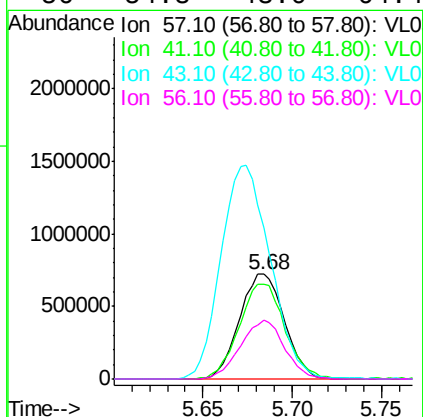
Manual Integrations
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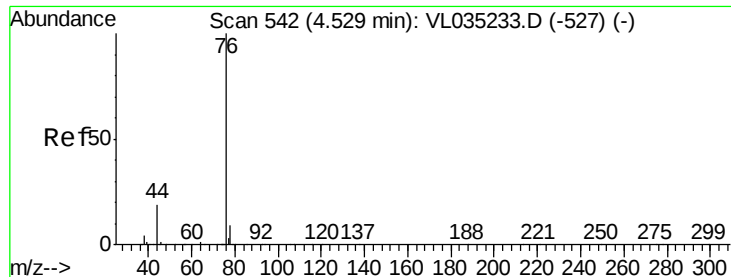
MMDadoda
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#26
Hexane
Concen: 10.301 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	93.2	73.9	110.9	
43	223.3	177.6	266.4	
56	54.8	43.0	64.4	





#27

Carbon Disulfide

Concen: 10.941 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1816000

Ion Ratio Lower Upper

76 100

44 19.0 14.7 22.1

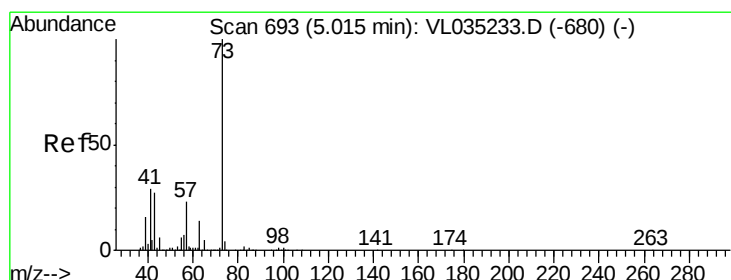
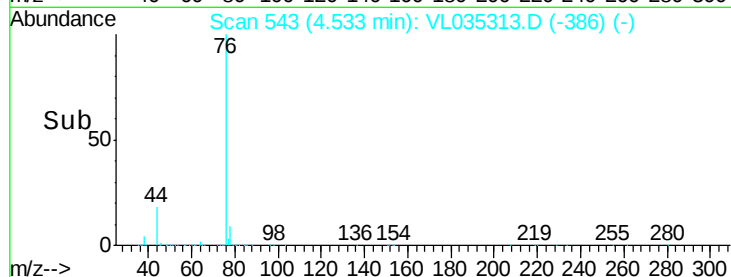
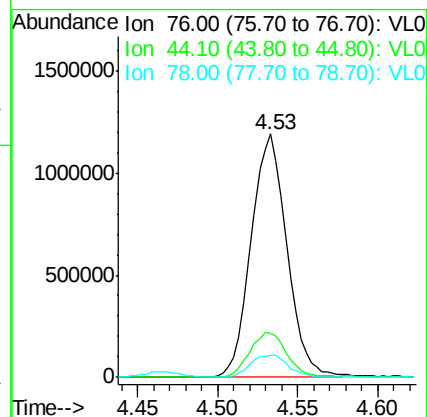
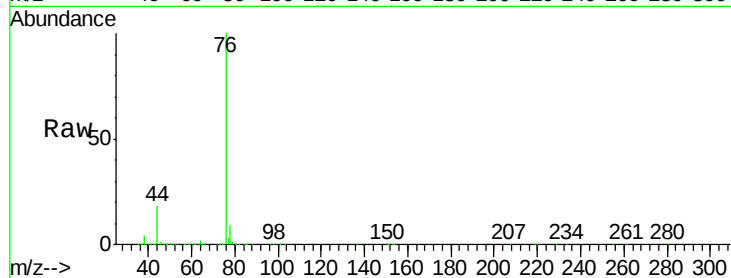
78 9.9 7.6 11.4

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.924 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL035313.D

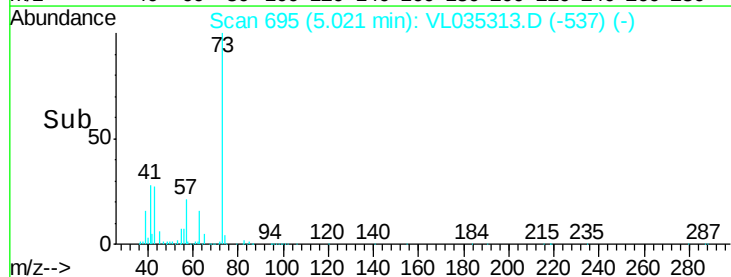
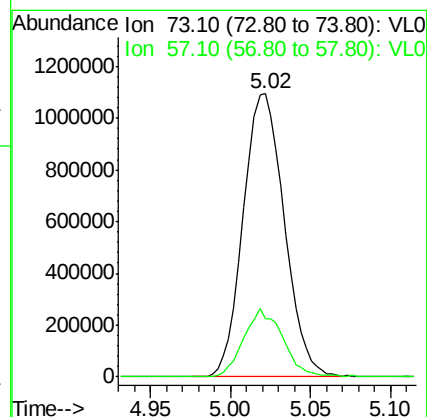
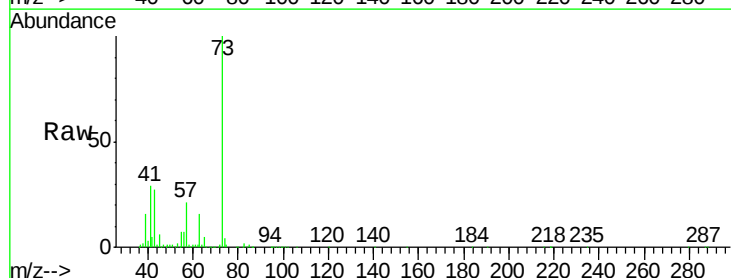
Acq: 31 Jul 2020 21:59

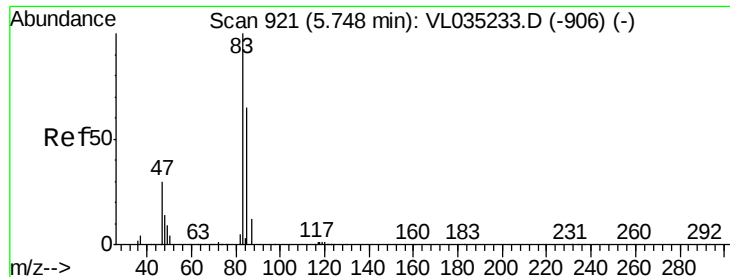
Tgt Ion: 73 Resp: 1918570

Ion Ratio Lower Upper

73 100

57 22.9 18.2 27.4





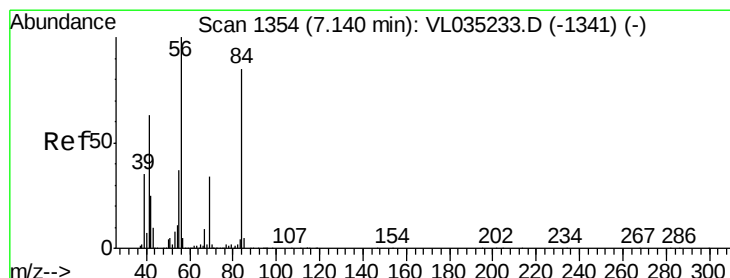
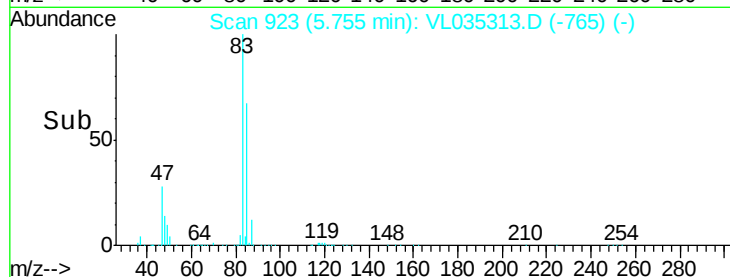
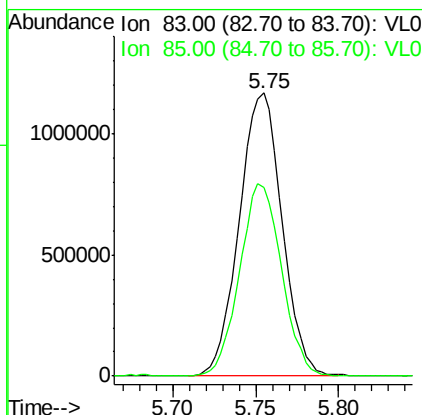
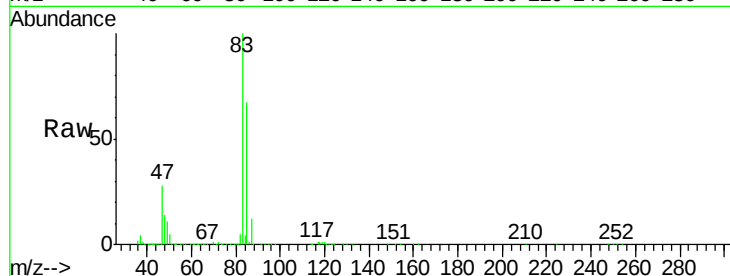
#29
Chloroform
Concen: 10.205 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2102735
Ion Ratio Lower Upper
83 100
85 66.4 51.7 77.5

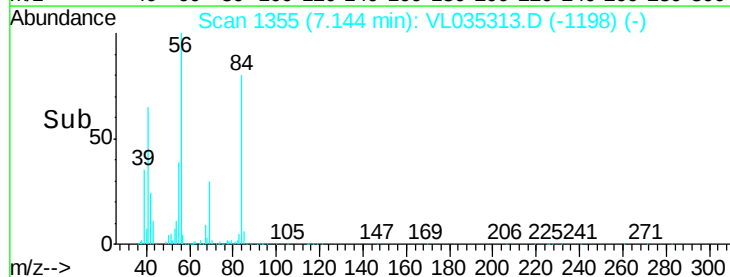
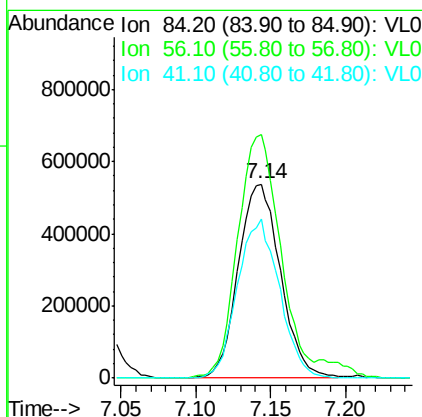
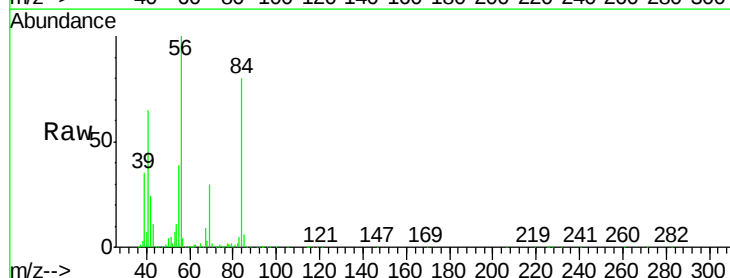
Manual Integrations
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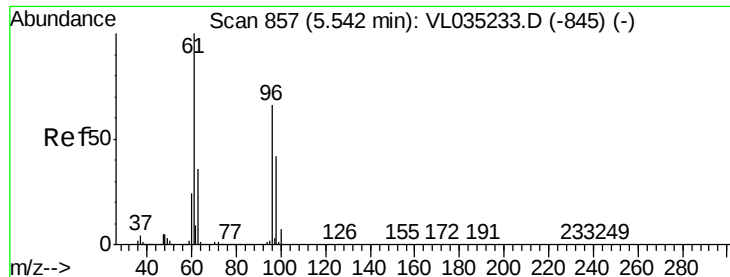
MMDadoda
8/3/2020 12:36:36 PM



#30
Cyclohexane
Concen: 12.005 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion: 84 Resp: 1054271
Ion Ratio Lower Upper
84 100
56 133.0 104.2 156.2
41 81.8 63.7 95.5





#31

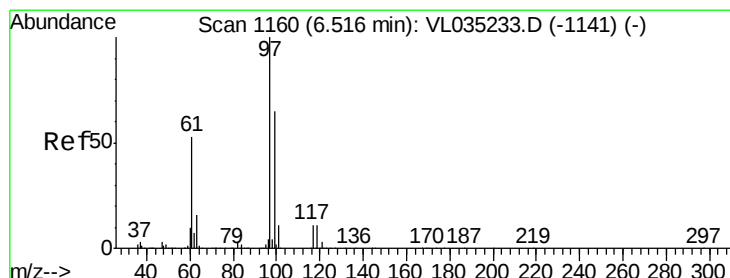
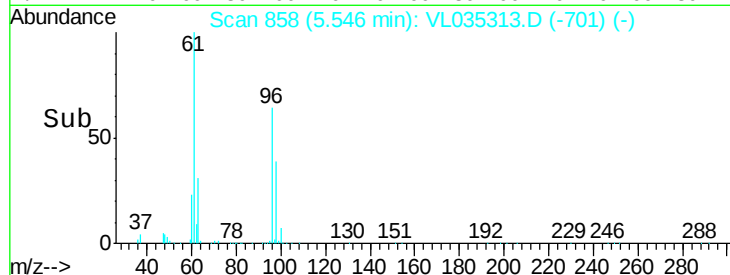
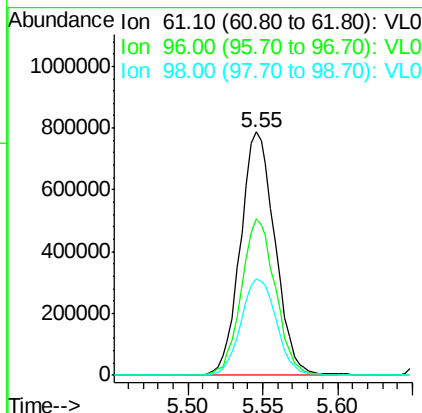
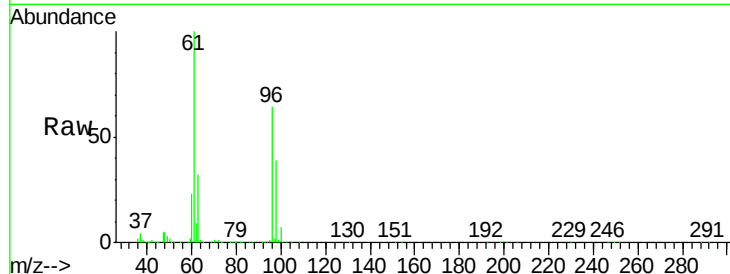
cis-1,2-Dichloroethene
 Concen: 11.810 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.1	52.6	78.8
98	39.4	33.7	50.5

Manual Integrations
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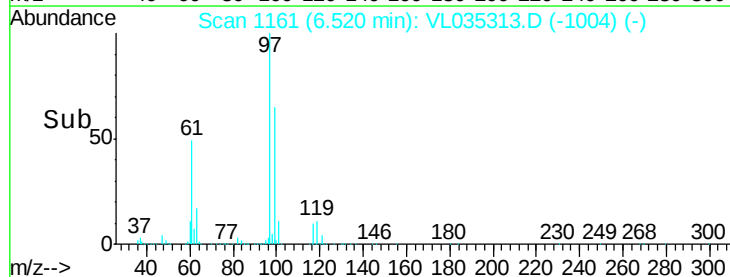
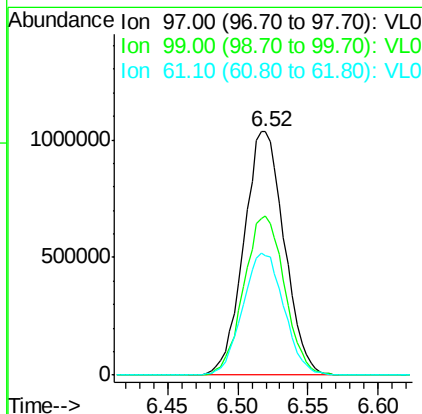
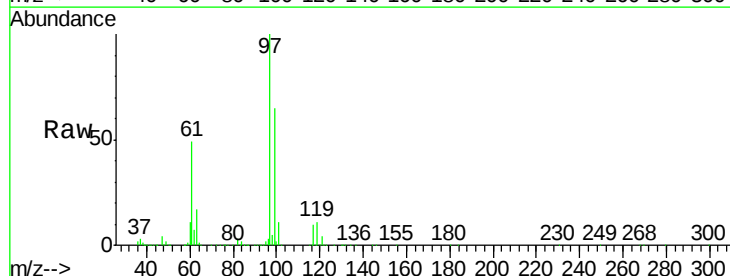
MMDadoda
 8/3/2020 12:36:36 PM

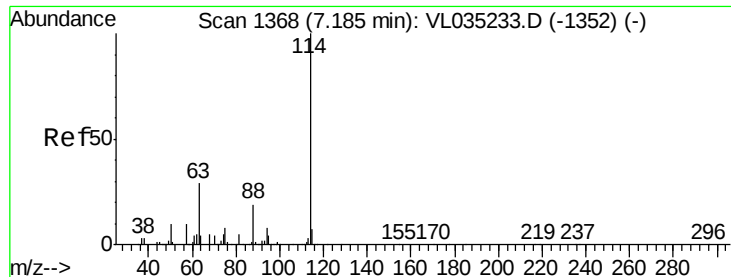


#32

1,1,1-Trichloroethane
 Concen: 9.855 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.4	77.0
61	51.4	40.4	60.6





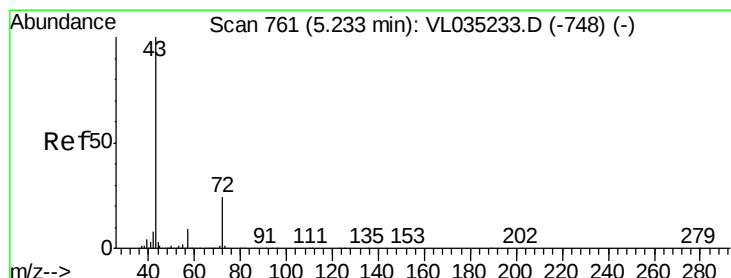
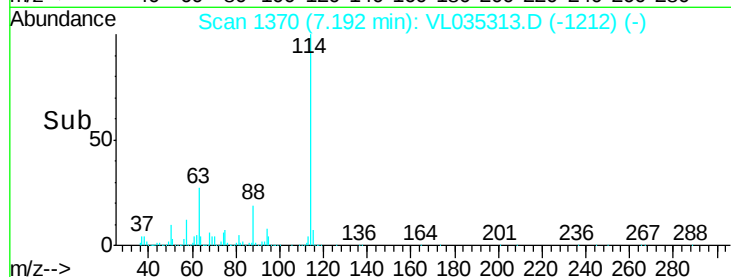
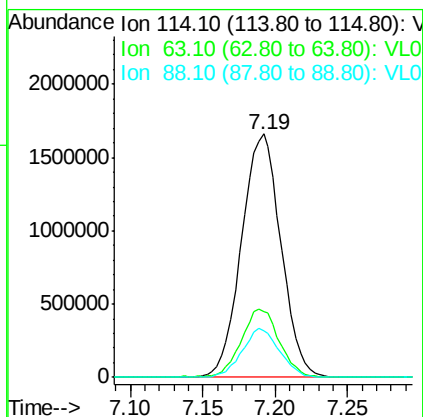
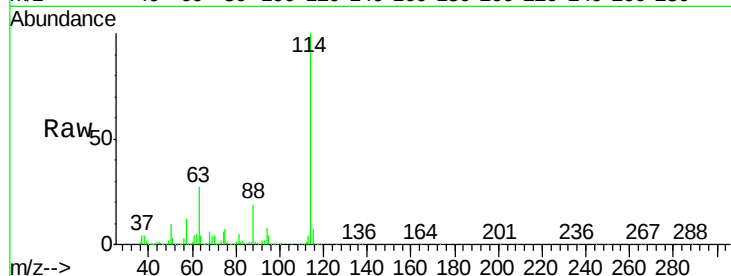
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.2
88	19.0	15.4	23.0

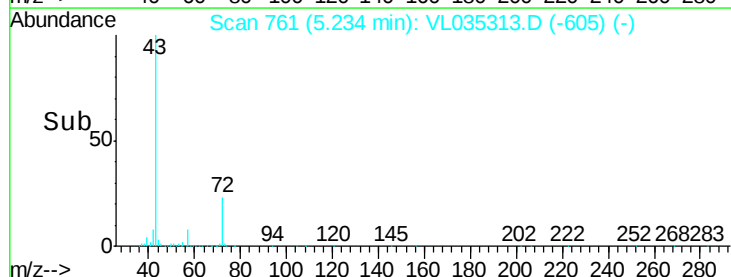
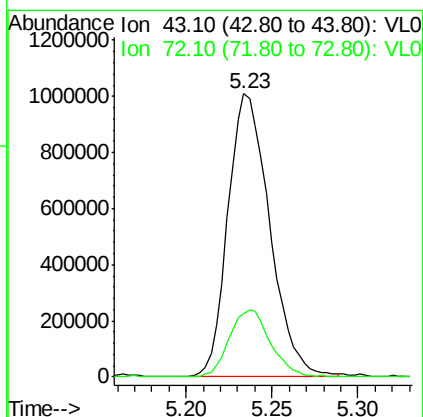
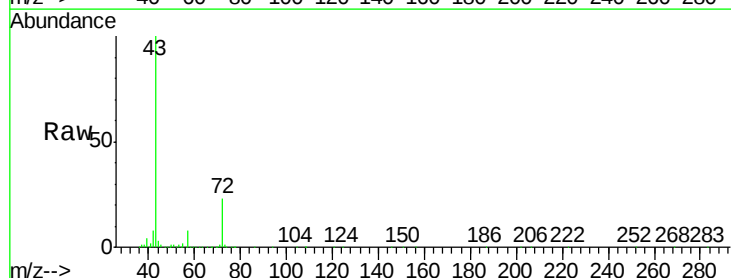
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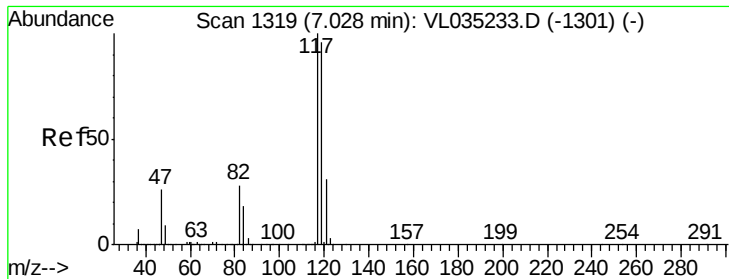
MMDadoda
 8/3/2020 12:36:36 PM



#34
 2-Butanone
 Concen: 10.583 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.7	19.2	28.8





#35

Carbon Tetrachloride

Concen: 10.589 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2225728

Ion Ratio Lower Upper

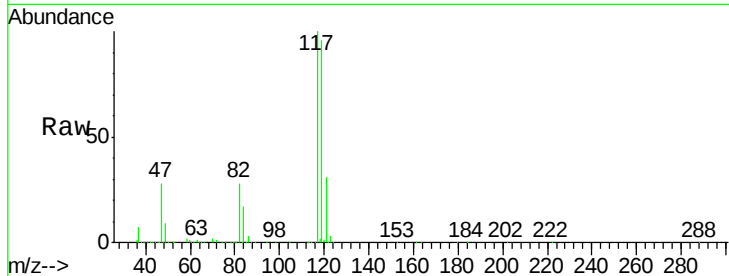
117 100

119 95.6 76.8 115.2

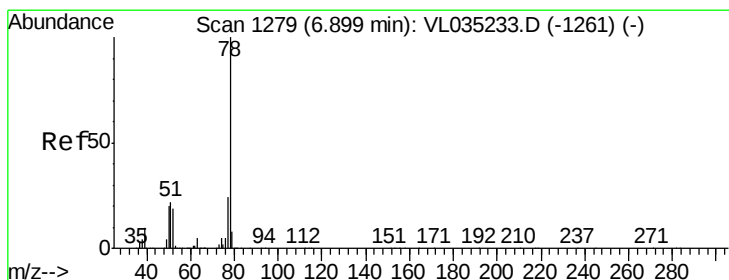
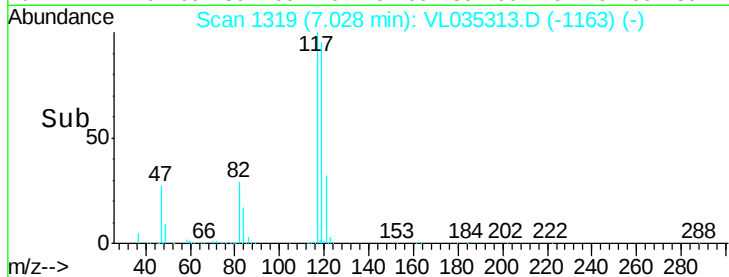
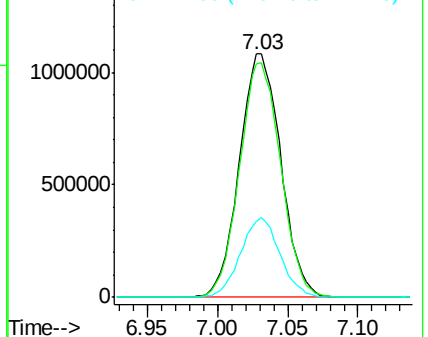
121 31.3 24.5 36.7

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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: 11.296 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

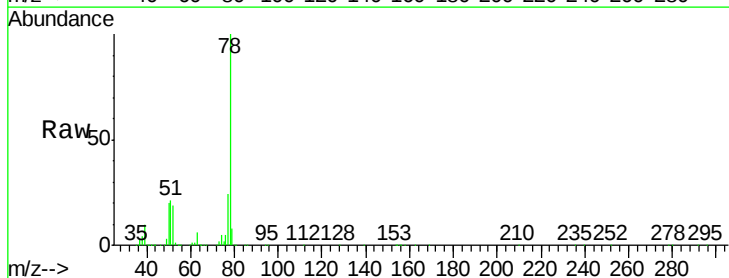
Tgt Ion: 78 Resp: 2464408

Ion Ratio Lower Upper

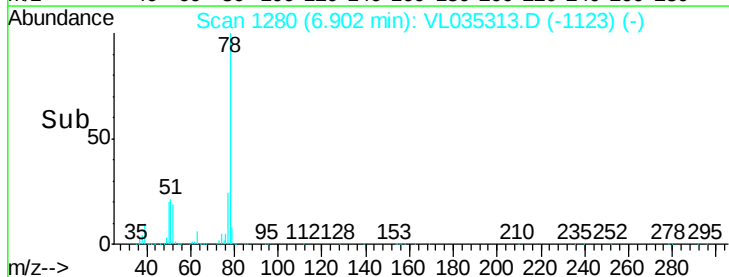
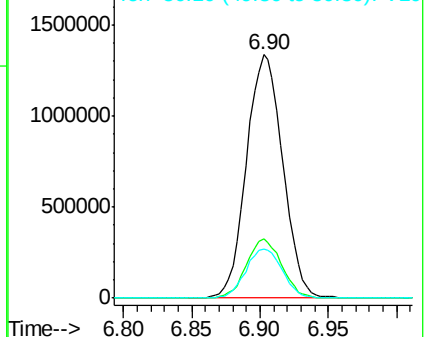
78 100

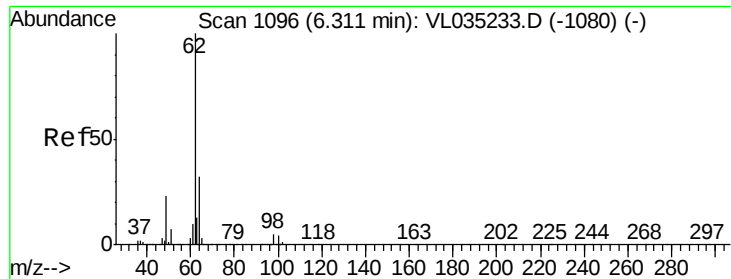
77 24.2 18.9 28.3

50 20.2 16.1 24.1



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





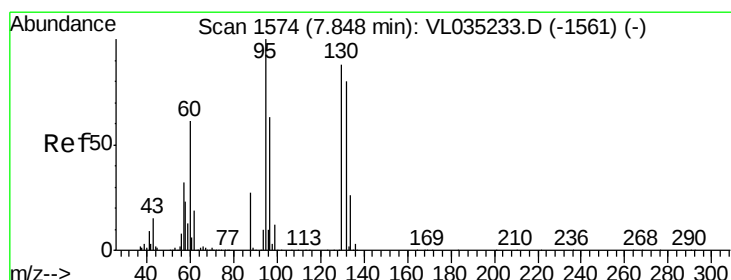
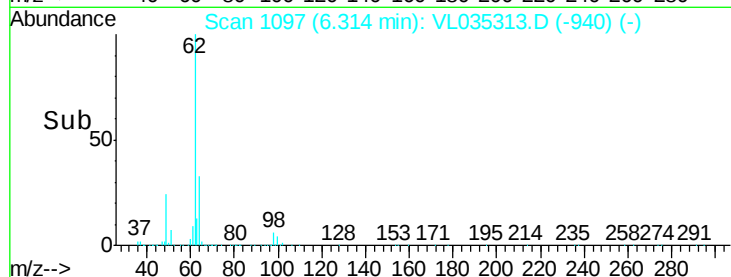
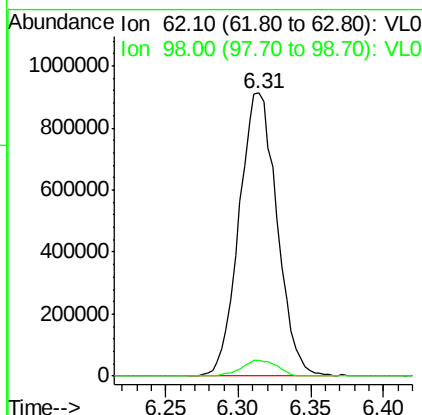
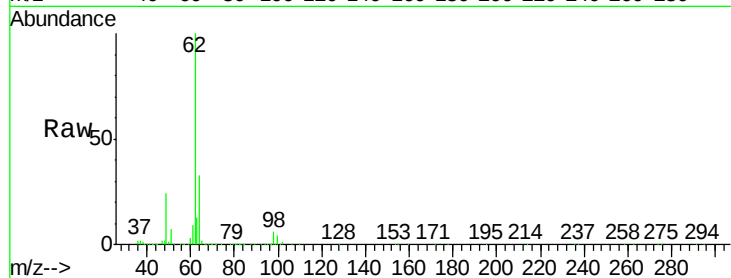
#37
 1,2-Dichloroethane
 Concen: 10.891 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

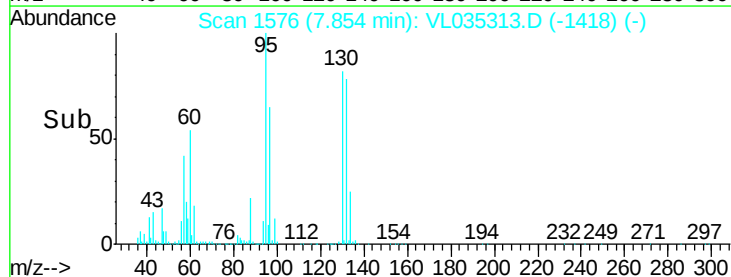
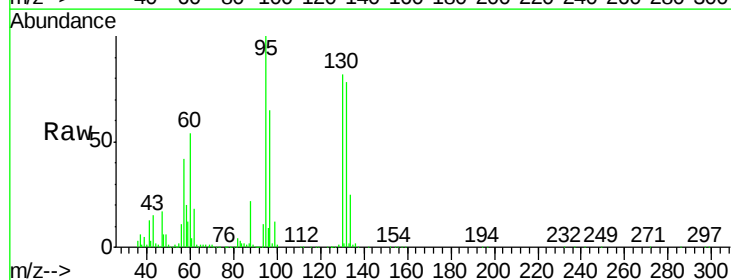
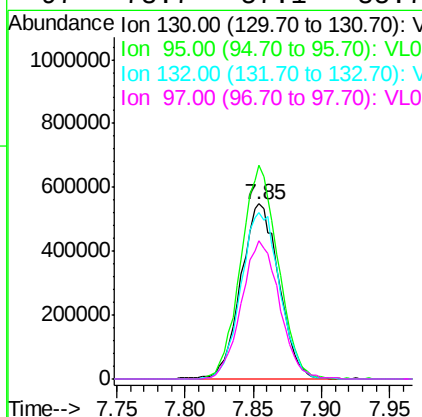
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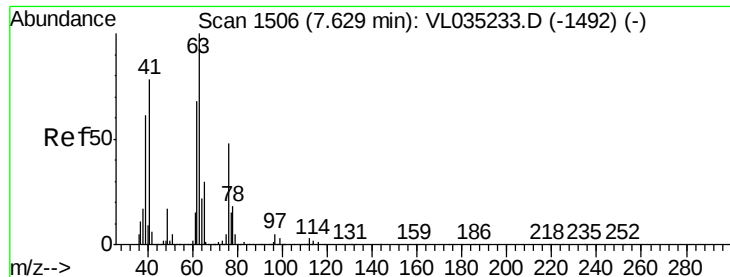
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 8/3/2020 12:36:36 PM



#38
 Trichloroethene
 Concen: 11.728 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.7	90.7	136.1
132	94.8	72.9	109.3
97	78.7	57.1	85.7





#39

1,2-Dichloropropane

Concen: 11.221 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

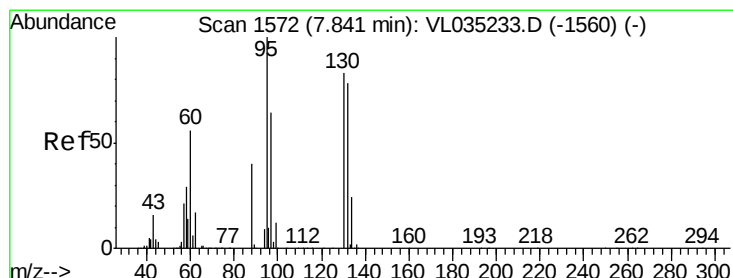
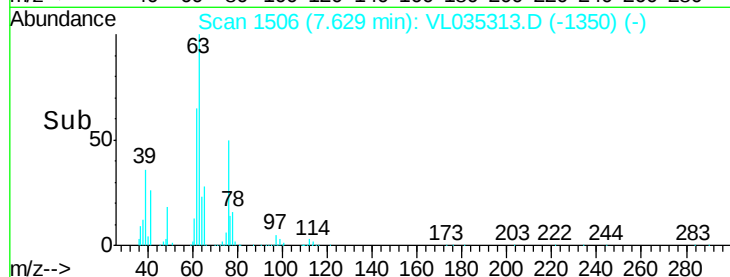
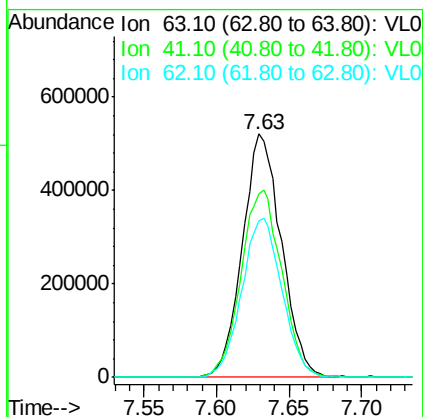
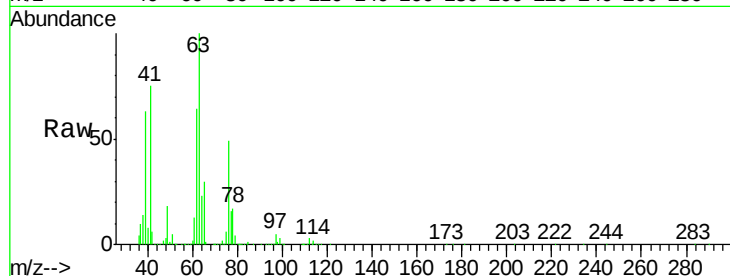
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	976754
Ion	Ratio	Lower	Upper
63	100		
41	75.2	62.2	93.4
62	64.2	54.2	81.2

Manual Integrations
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8/3/2020 12:36:36 PM



#40

1,4-Dioxane

Concen: 10.935 ppbv

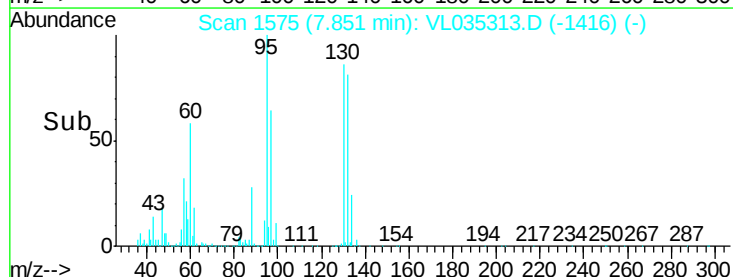
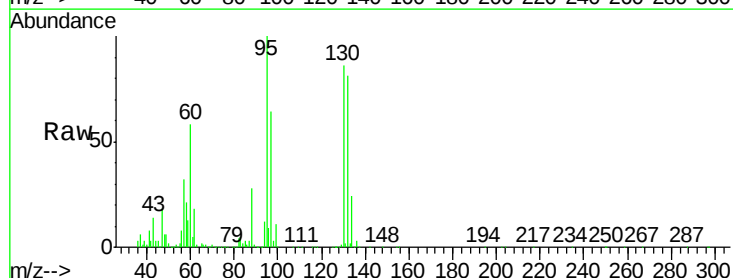
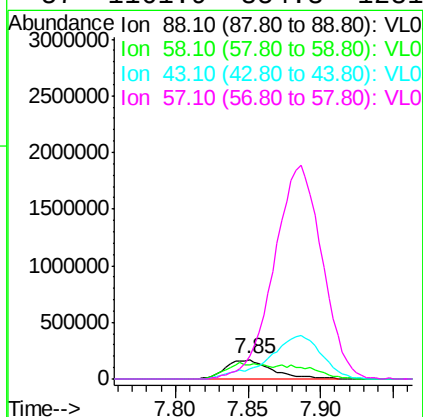
RT: 7.85 min Scan# 1575

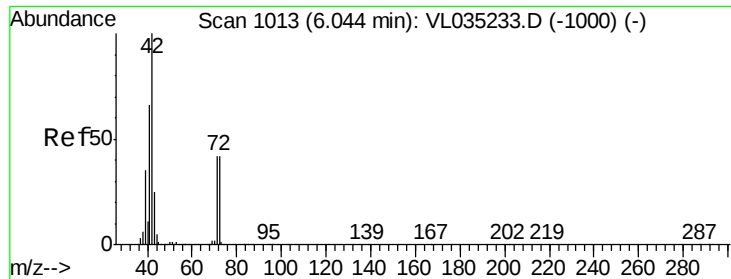
Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion:	88	Resp:	374818
Ion	Ratio	Lower	Upper
88	100		
58	136.2	99.3	148.9
43	262.4	195.6	293.4
57	1161.9	854.3	1281.5





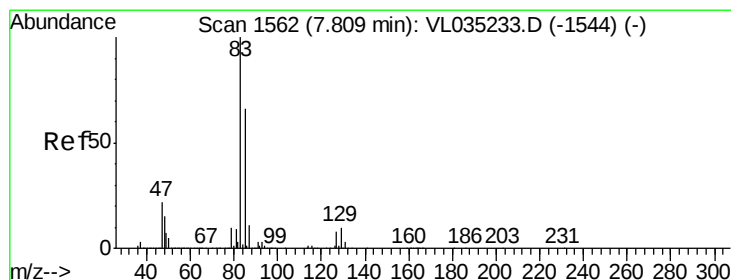
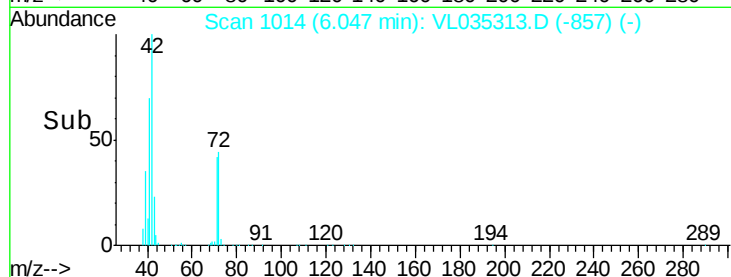
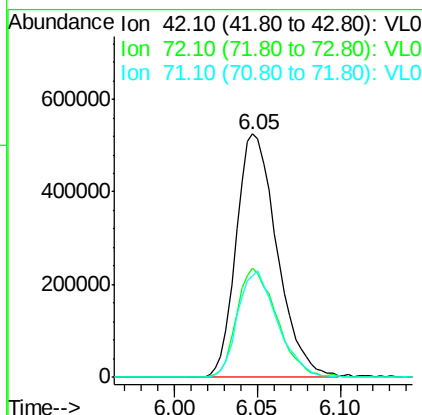
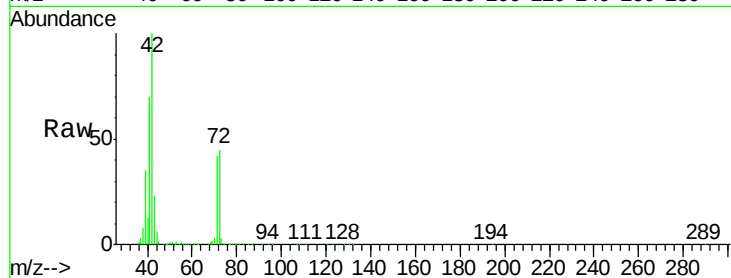
#41
Tetrahydrofuran
Concen: 11.524 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.2	51.2
71	42.7	33.2	49.8

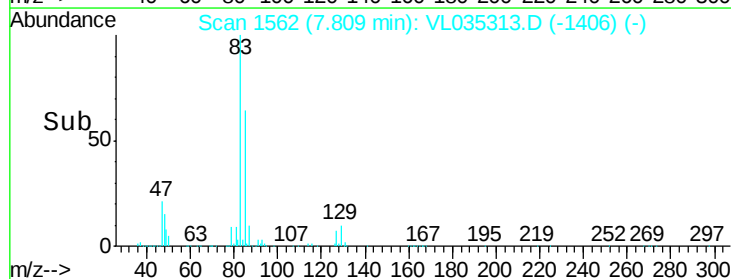
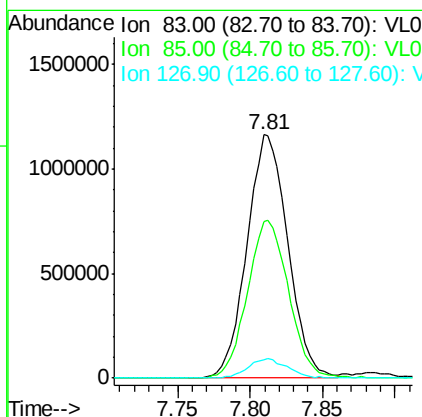
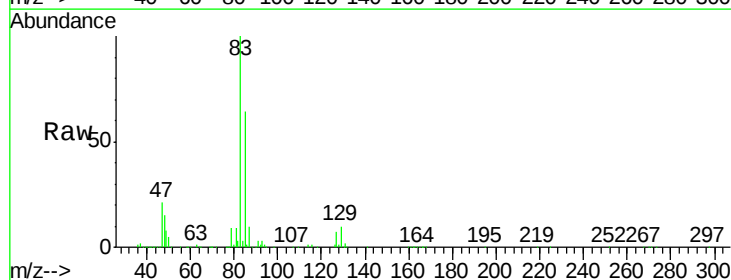
Manual Integrations
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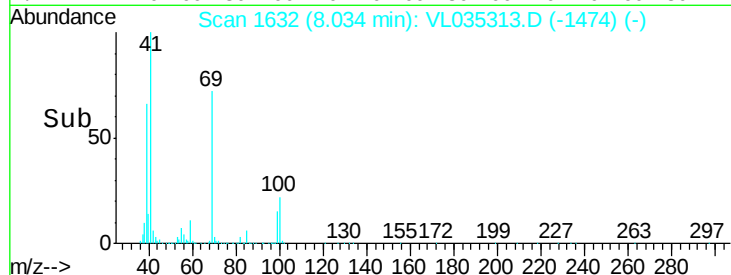
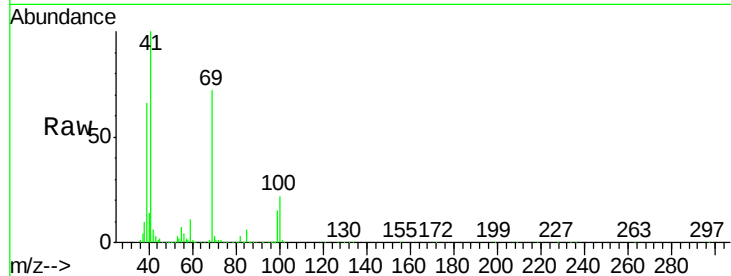
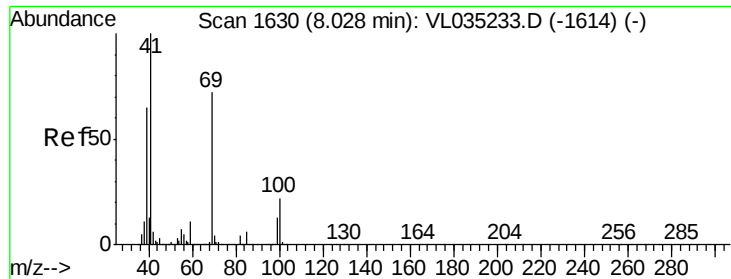
MMDadoda
8/3/2020 12:36:36 PM



#42
Bromodichloromethane
Concen: 11.250 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.9	79.3
127	7.4	6.5	9.7





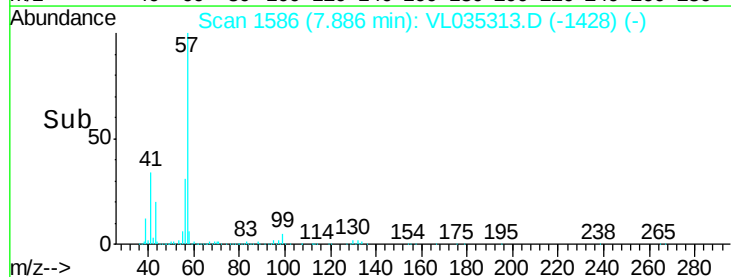
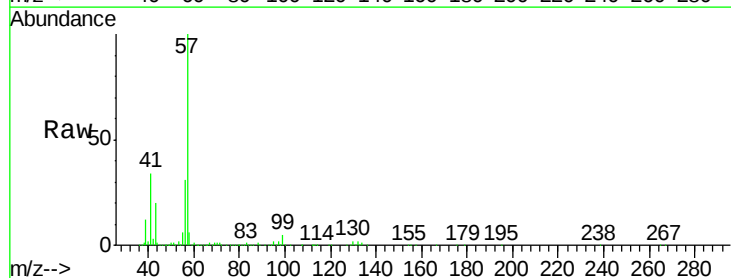
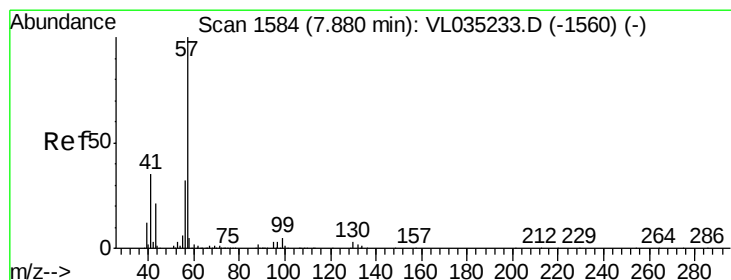
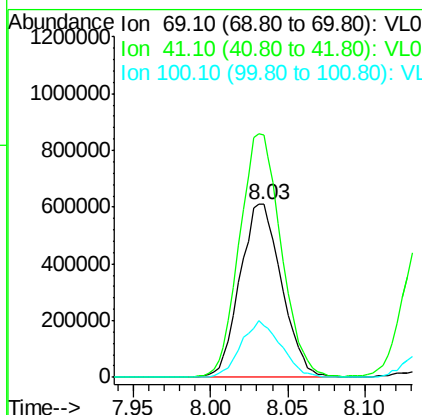
#43
Methvl Methacrvlate
Concen: 12.073 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tot Ion: 69 Resp: 1141202
Ion Ratio Lower Upper
69 100
41 141.0 113.0 169.4
100 31.8 25.3 37.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

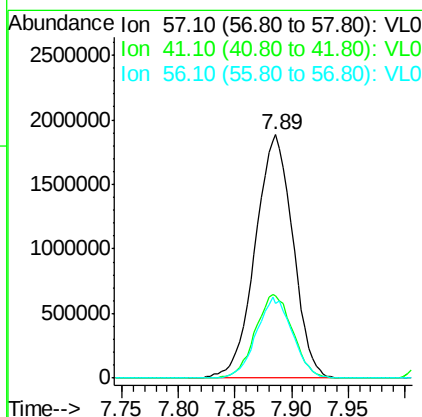
Manual Integrations
APPROVED

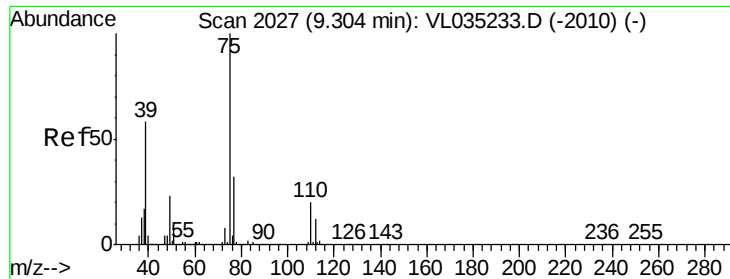
MMDadoda
8/3/2020 12:36:36 PM



#44
2,2,4-Trimethylpentane
Concen: 11.312 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion: 57 Resp: 4348396
Ion Ratio Lower Upper
57 100
41 34.0 27.0 40.4
56 31.7 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 13.617 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1296902

Ion Ratio Lower Upper

75 100

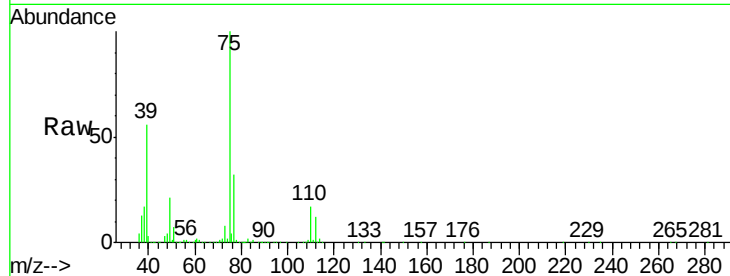
77 31.6 25.6 38.4

Manual Integrations

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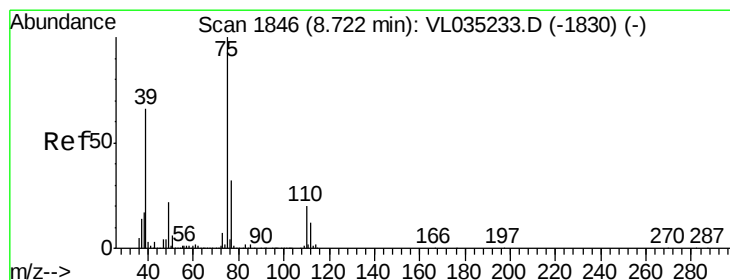
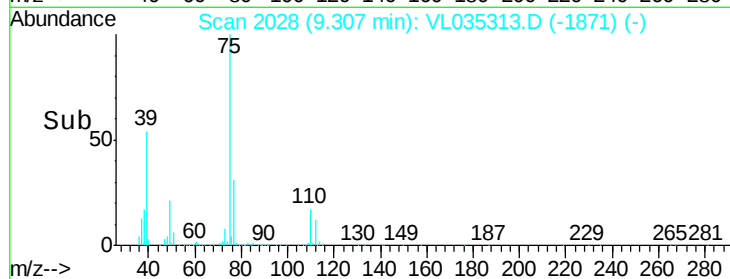
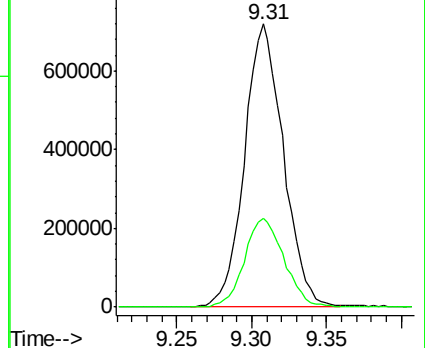
MMDadoda

8/3/2020 12:36:36 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 13.168 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

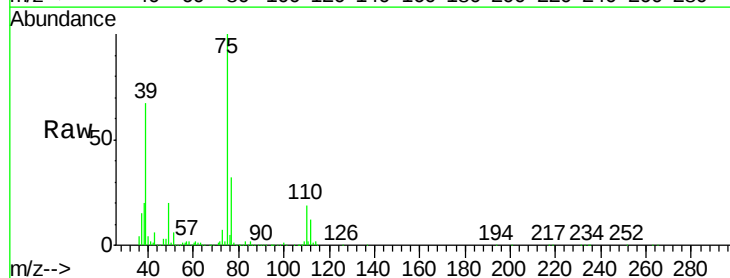
Tgt Ion: 75 Resp: 1527860

Ion Ratio Lower Upper

75 100

39 66.9 53.0 79.4

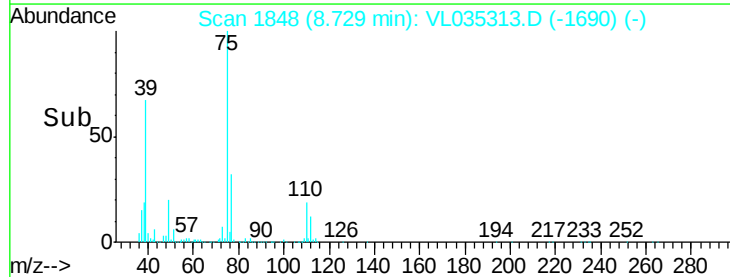
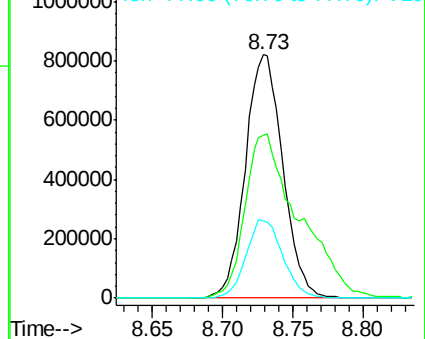
77 31.6 25.8 38.8

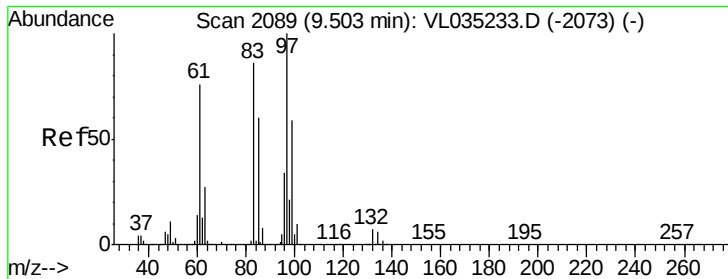


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





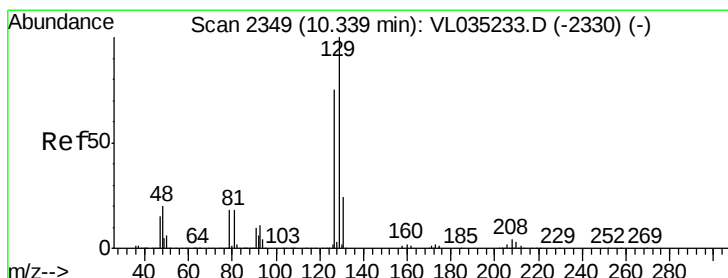
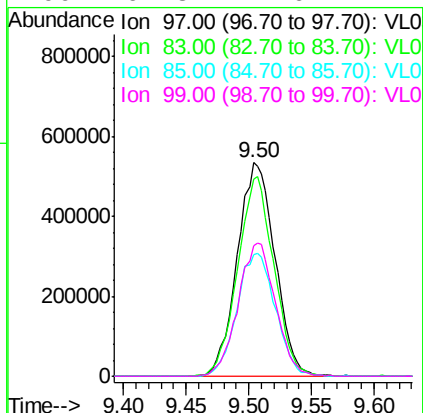
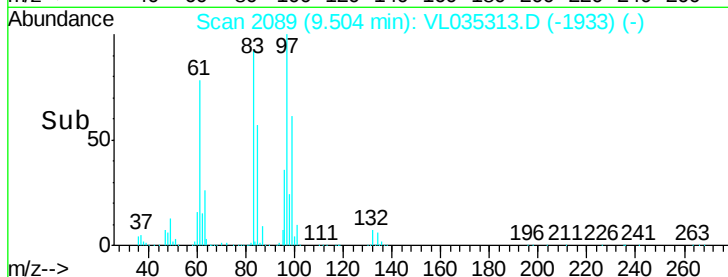
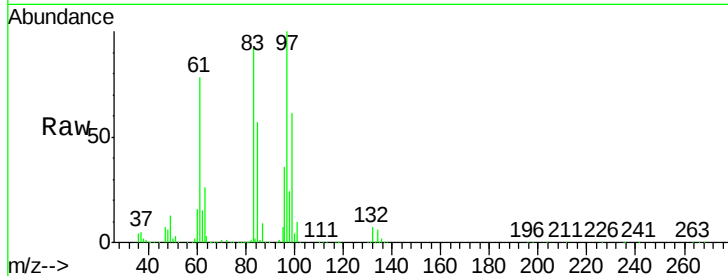
#47
 1,1,2-Trichloroethane
 Concen: 10.852 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.4	69.0	103.4	
85	57.2	47.8	71.8	
99	61.3	47.6	71.4	

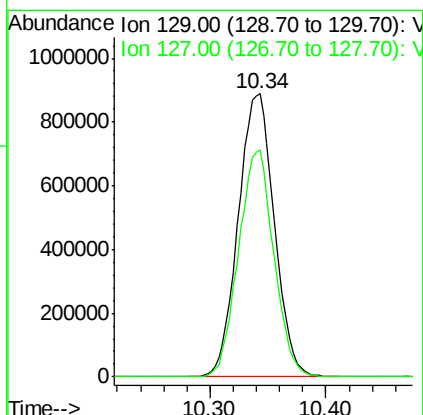
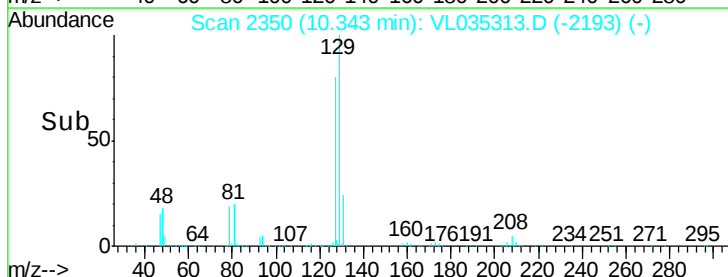
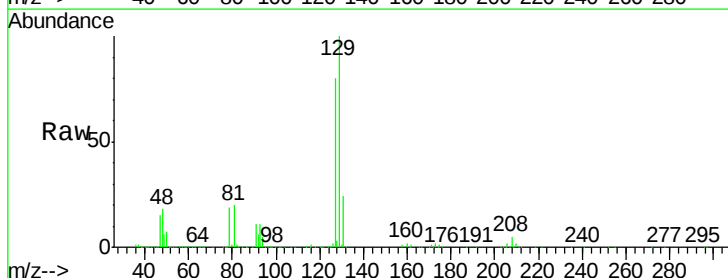
Manual Integrations
 APPROVED

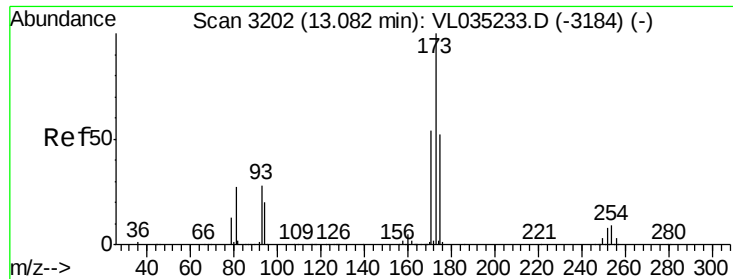
MMDadoda
 8/3/2020 12:36:36 PM



#48
 Dibromochloromethane
 Concen: 11.849 ppbv
 RT: 10.34 min Scan# 2350
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.6	39.6	119.0	





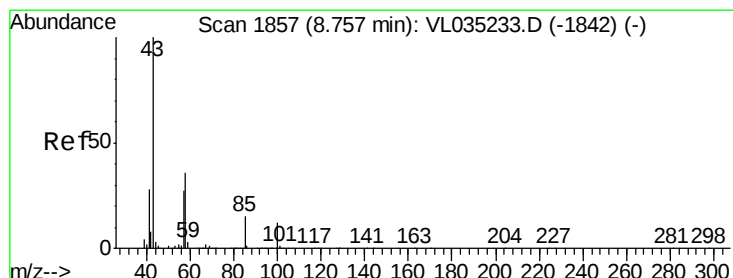
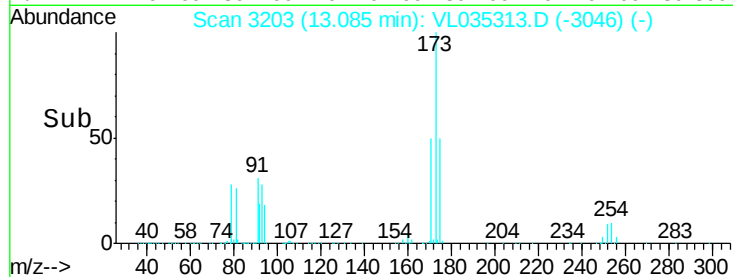
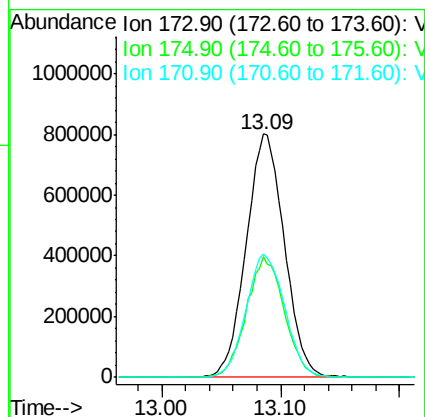
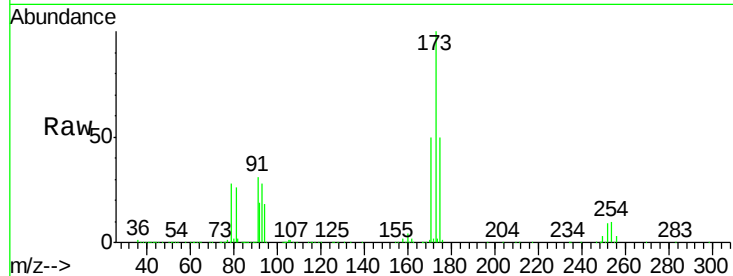
#49
Bromoform
Concen: 12.222 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1779308
Ion Ratio Lower Upper
173 100
175 49.1 40.0 60.0
171 51.6 41.8 62.8

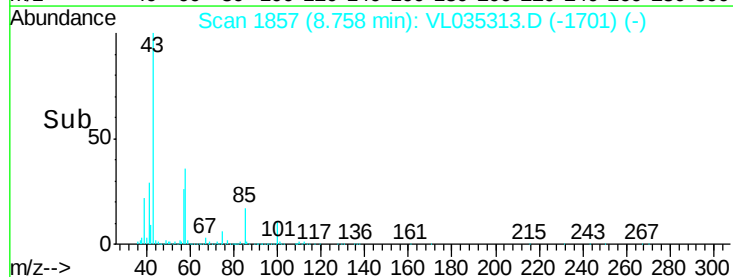
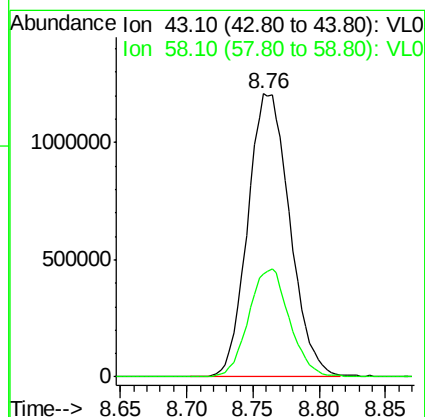
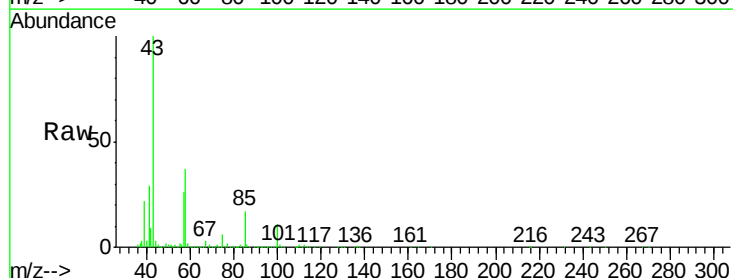
Manual Integrations
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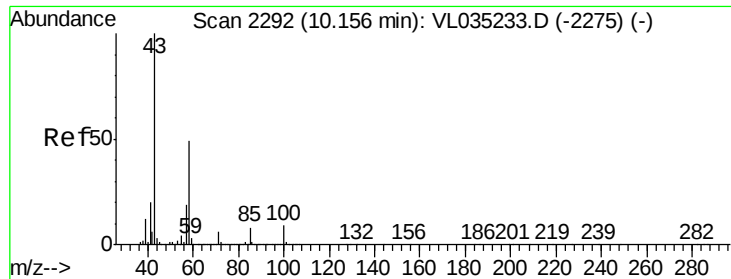
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.531 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion: 43 Resp: 2669186
Ion Ratio Lower Upper
43 100
58 37.1 30.0 45.0





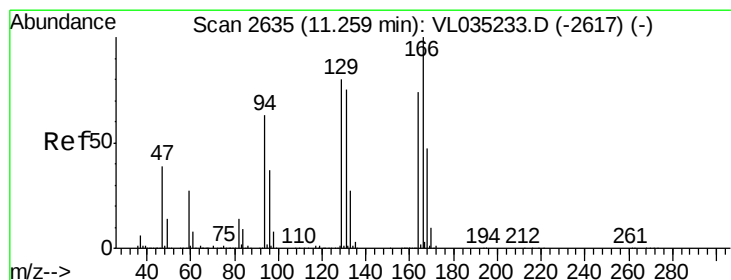
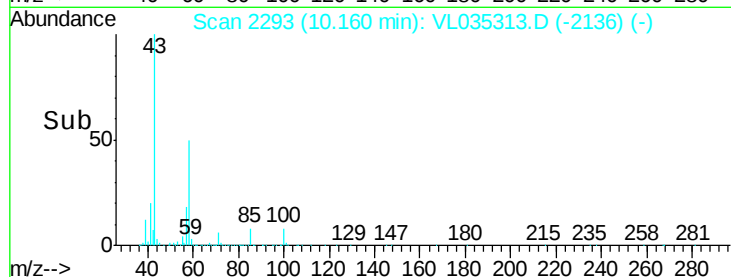
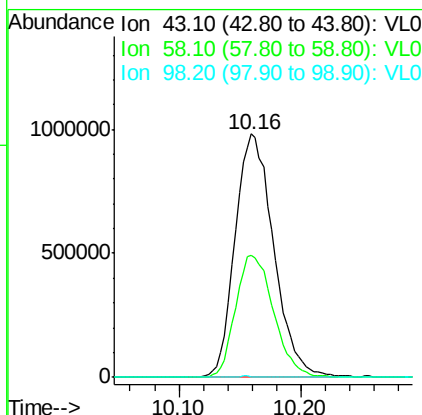
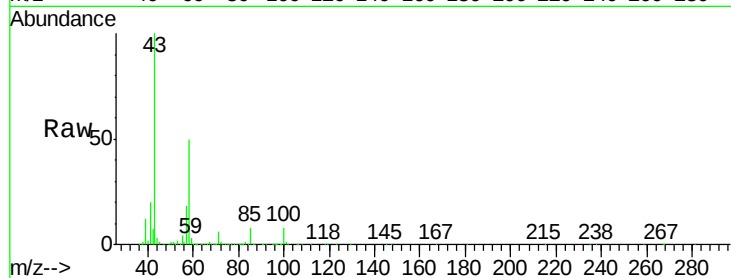
#51
2-Hexanone
Concen: 12.213 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	38.8	58.2
98	0.6	0.6	0.8

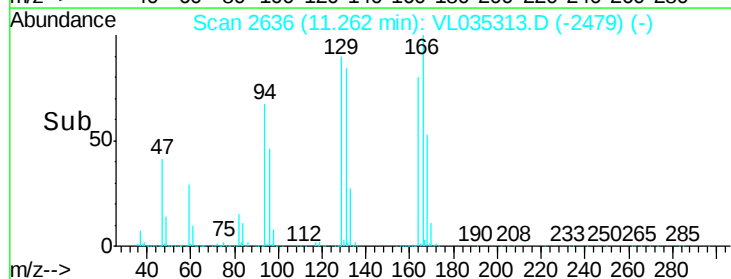
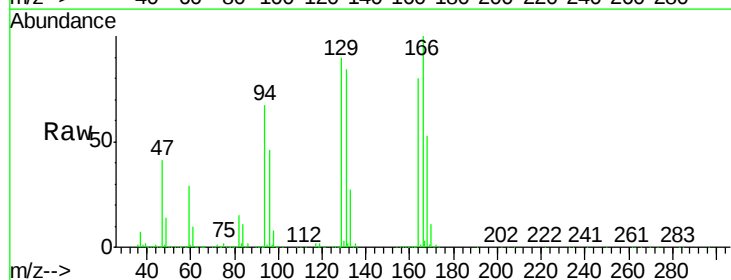
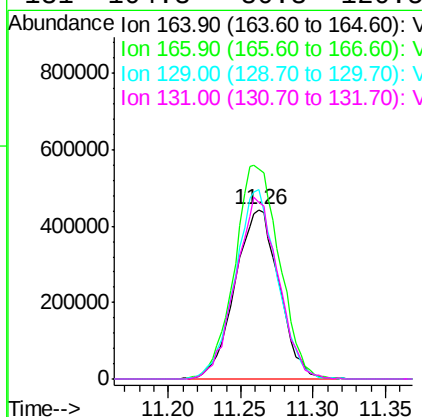
Manual Integrations
APPROVED

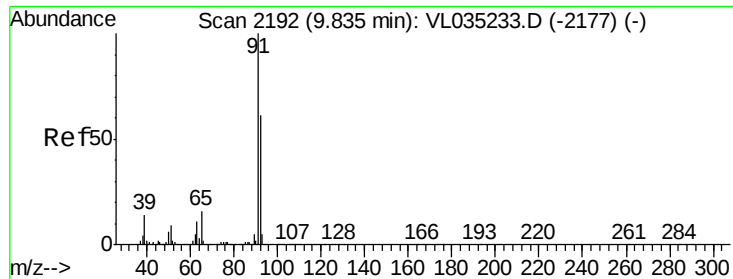
MMDadoda
8/3/2020 12:36:36 PM



#52
Tetrachloroethene
Concen: 11.129 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	107.5	161.3
129	112.1	86.0	129.0
131	104.3	80.3	120.5





#53

Toluene

Concen: 12.687 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2941731

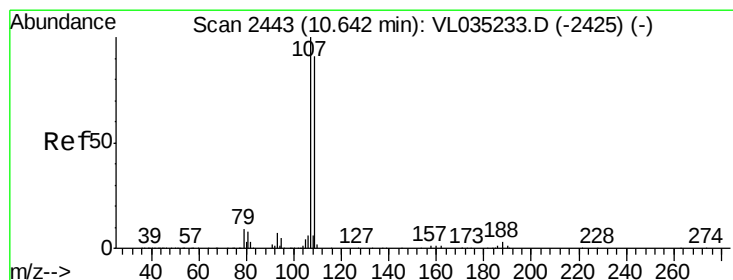
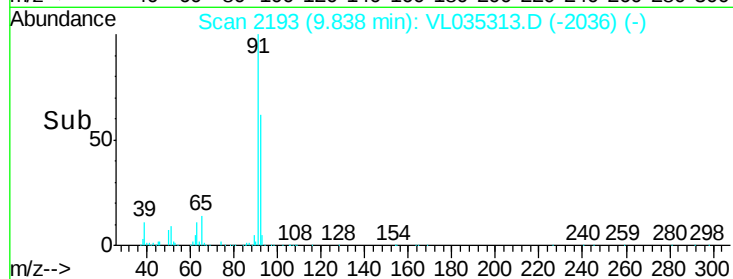
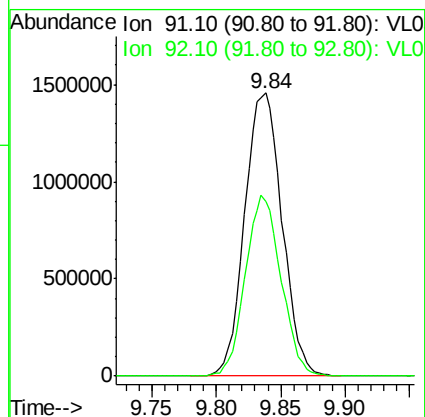
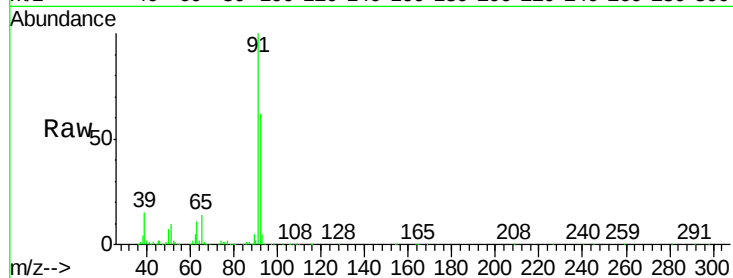
Ion Ratio Lower Upper

91 100

92 61.1 48.5 72.7

Manual Integrations
APPROVED

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8/3/2020 12:36:36 PM



#54

1,2-Dibromoethane

Concen: 11.400 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. 0.01 min

Lab File: VL035313.D

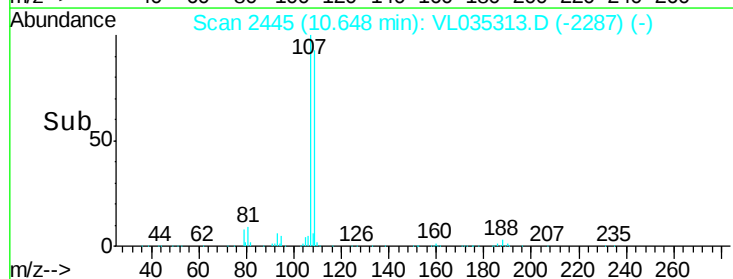
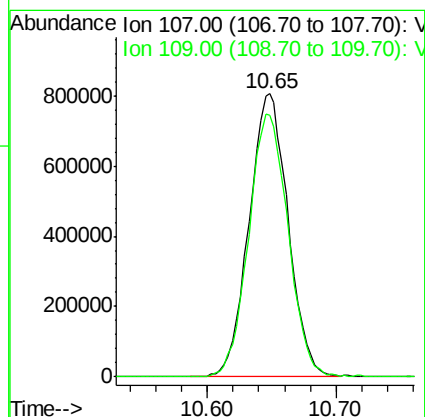
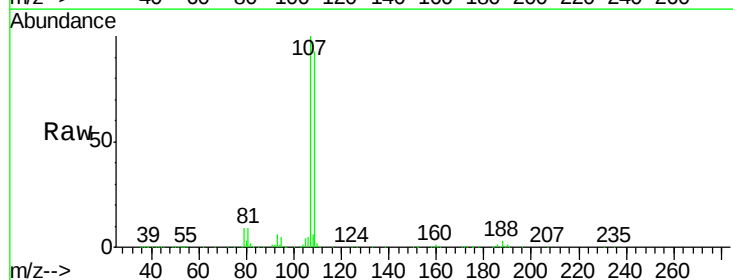
Acq: 31 Jul 2020 21:59

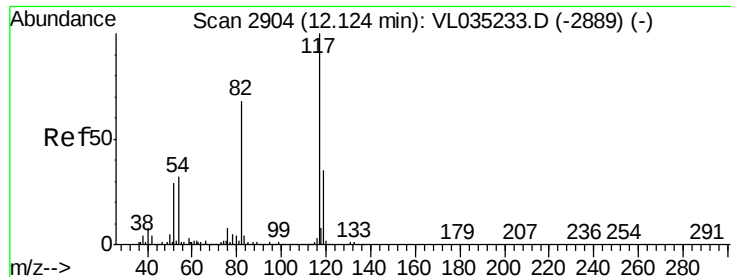
Tgt Ion: 107 Resp: 1694805

Ion Ratio Lower Upper

107 100

109 92.6 73.0 109.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 3223723

Ion Ratio Lower Upper

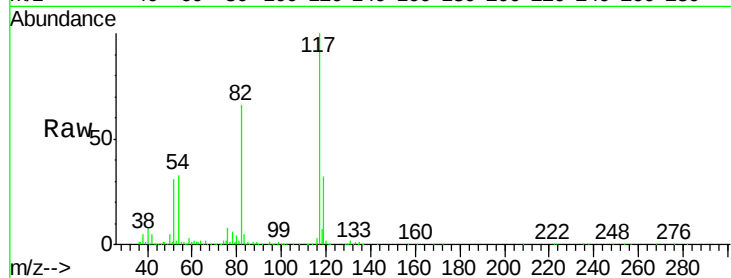
117 100

82 63.8 52.4 78.6

119 29.3 24.6 36.8

Manual Integrations
APPROVED

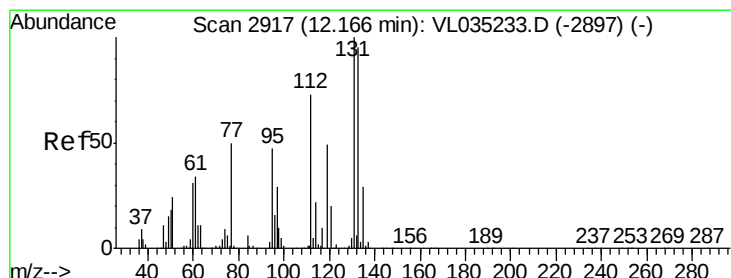
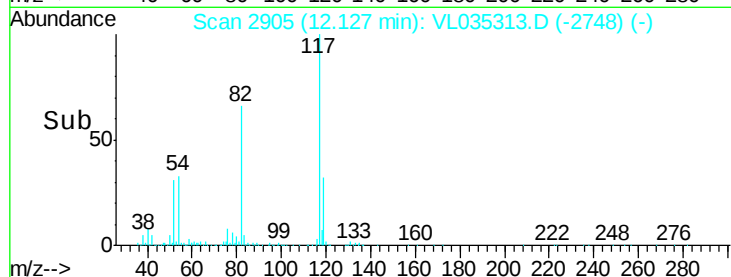
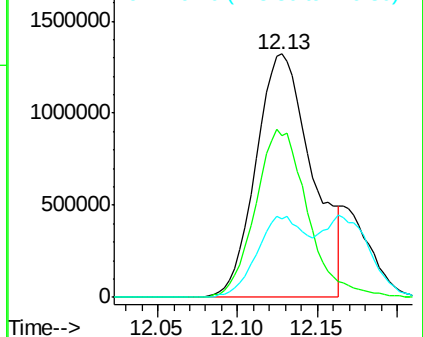
MMDadoda
8/3/2020 12:36:36 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.102 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

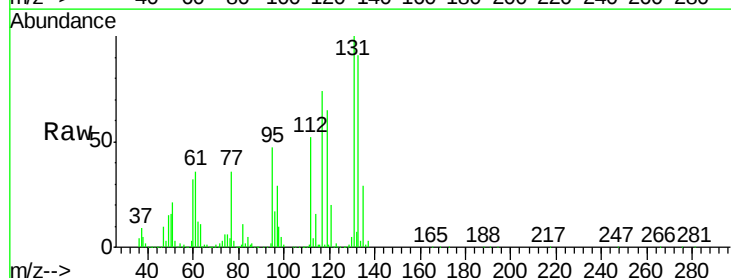
Tgt Ion:131 Resp: 1497429

Ion Ratio Lower Upper

131 100

133 95.1 76.1 114.1

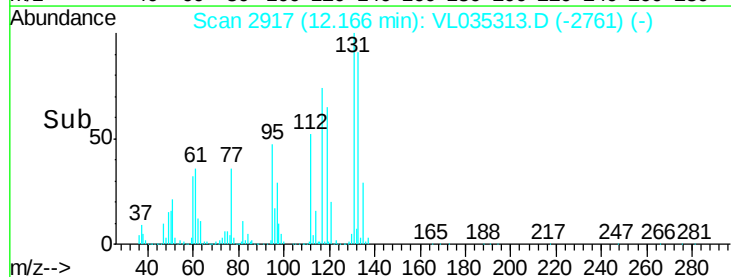
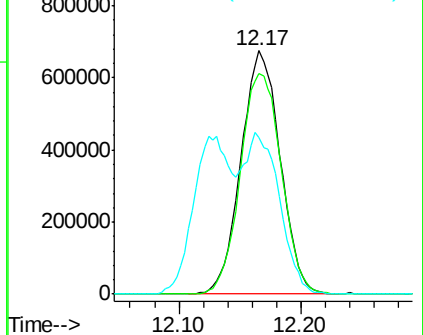
119 58.3 44.3 66.5

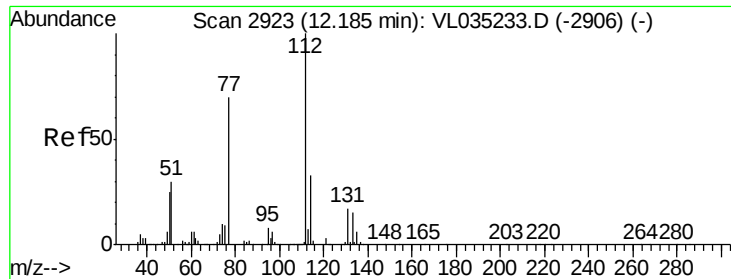


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





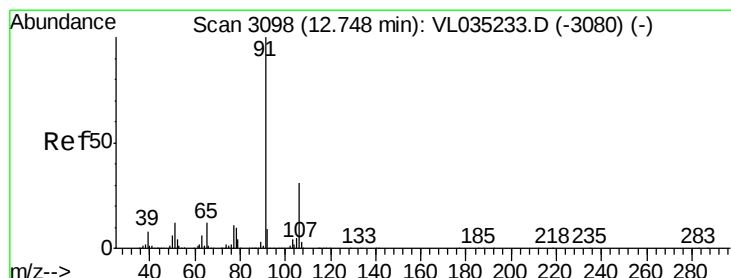
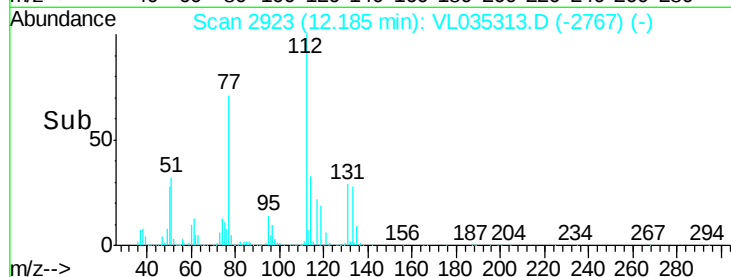
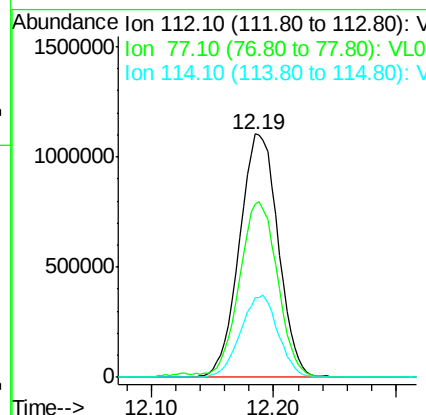
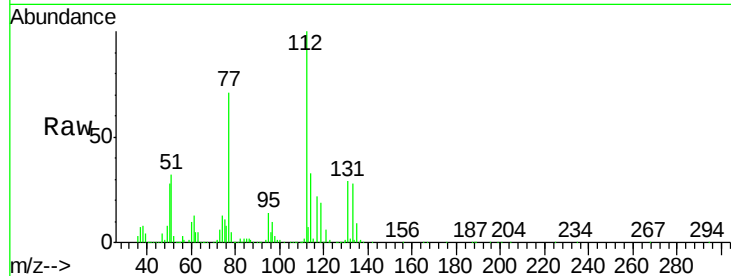
#57
Chlorobenzene
Concen: 9.954 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.8	57.3	85.9
114	32.7	29.3	35.8

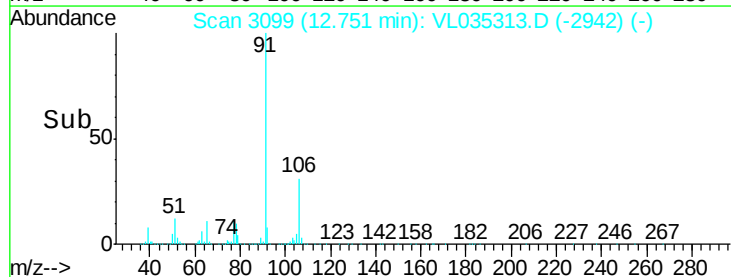
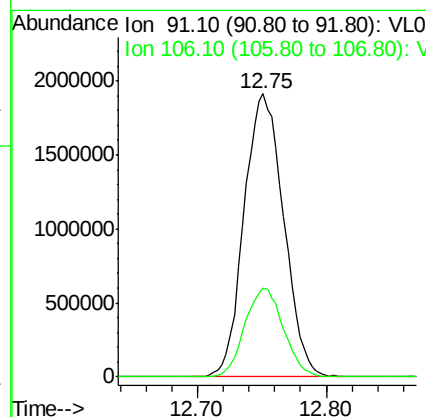
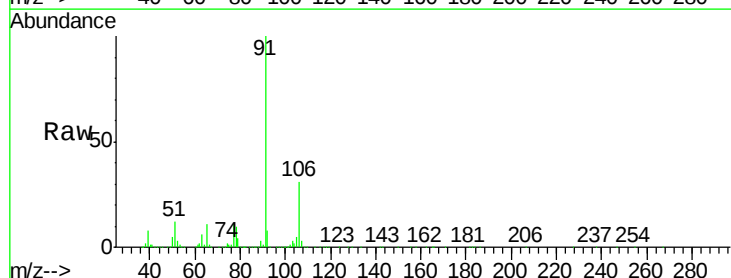
Manual Integrations
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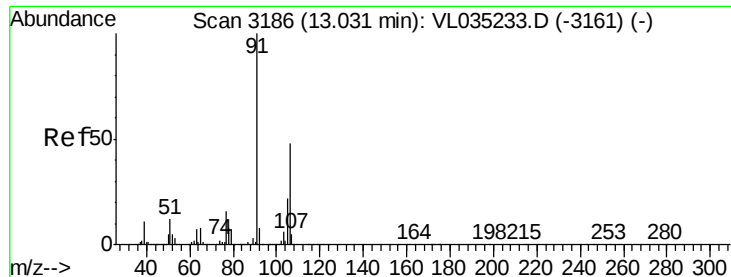
MMDadoda
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#58
Ethyl Benzene
Concen: 11.960 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.6





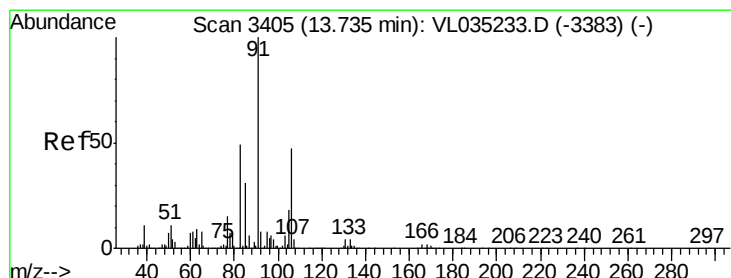
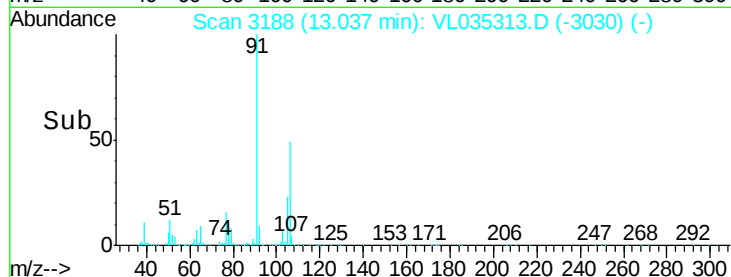
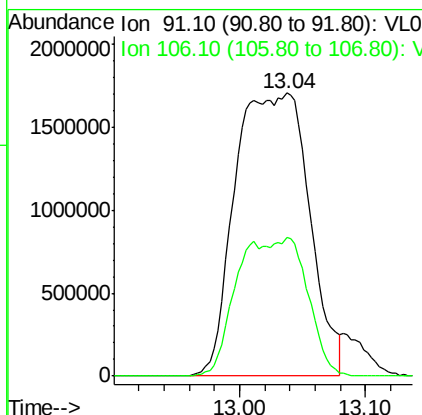
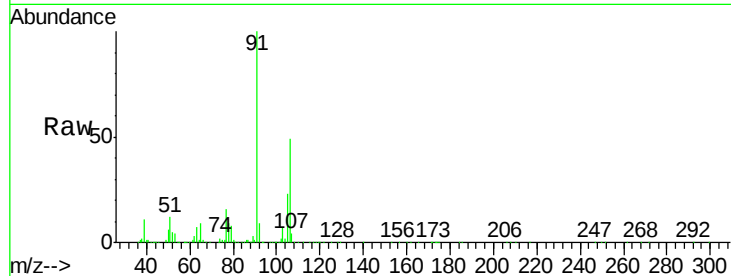
#59
m/p-Xylene
Concen: 21.876 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6953371
Ion Ratio Lower Upper
91 100
106 46.3 37.2 55.8

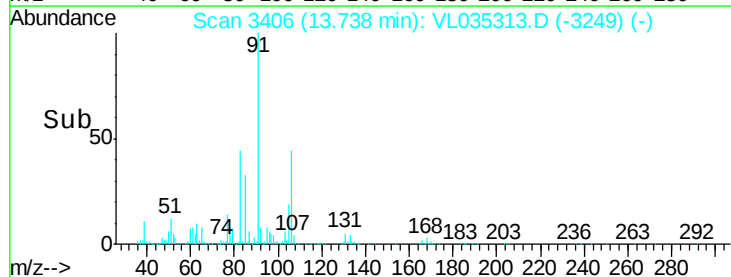
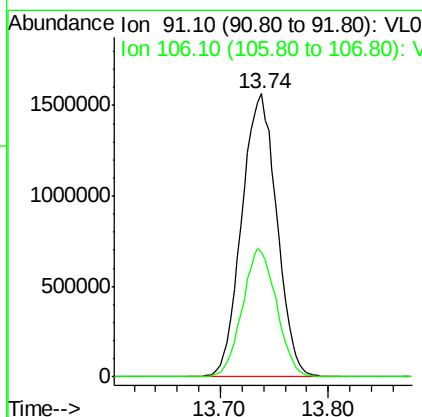
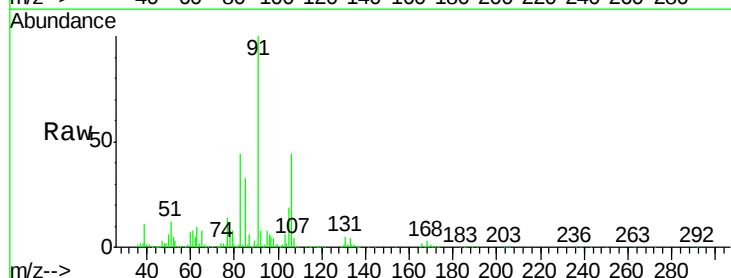
Manual Integrations
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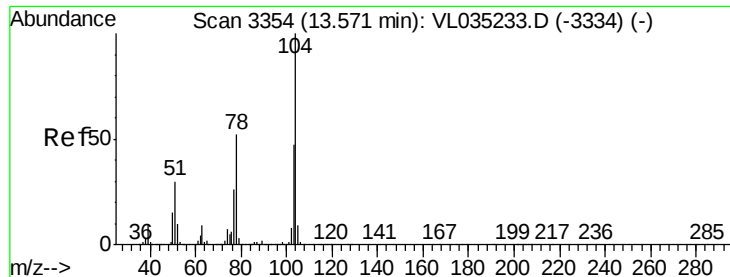
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#60
o-Xylene
Concen: 11.145 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion: 91 Resp: 3534418
Ion Ratio Lower Upper
91 100
106 44.1 22.4 67.0





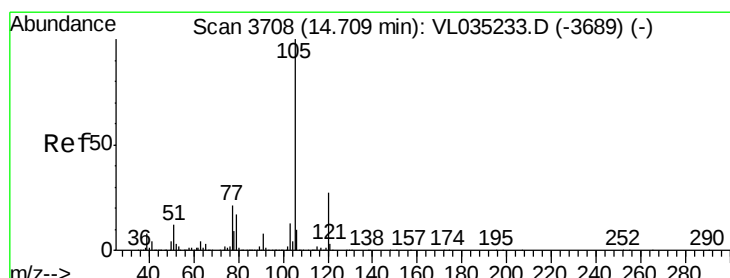
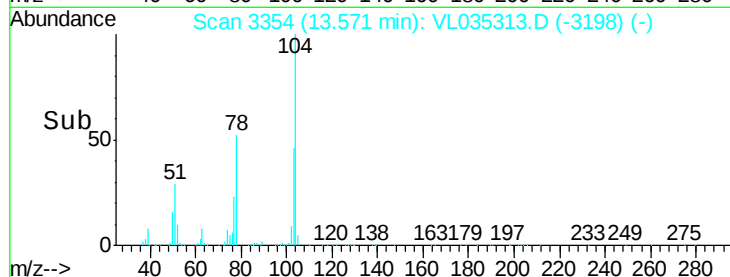
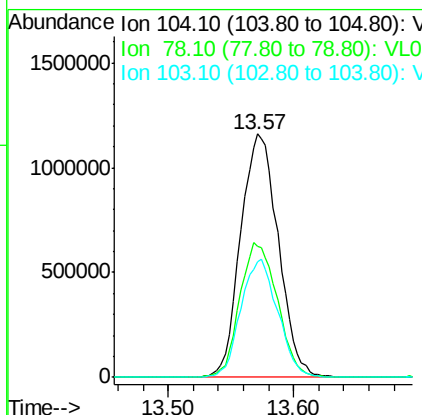
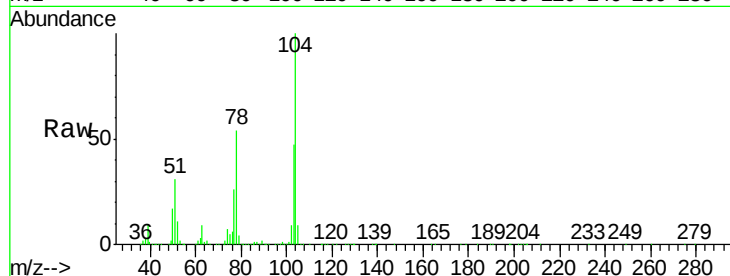
#61
Stvrene
Concen: 12.600 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.3	43.3	64.9
103	47.7	38.2	57.2

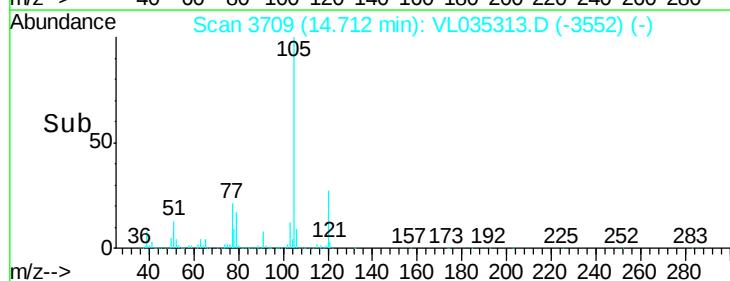
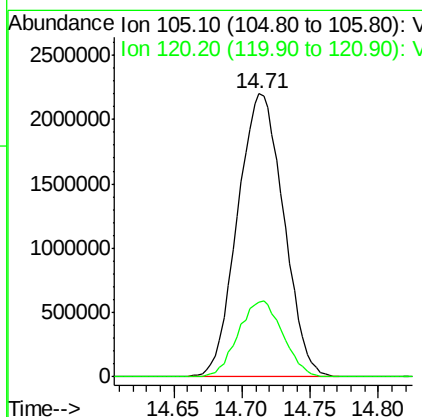
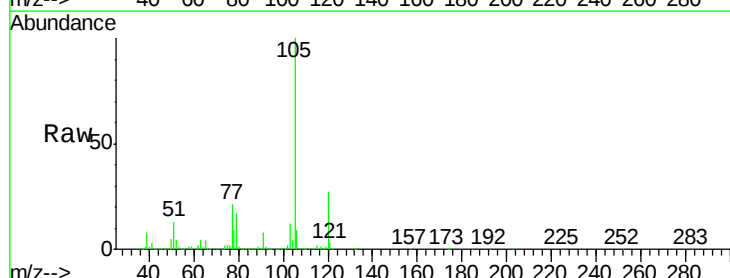
Manual Integrations
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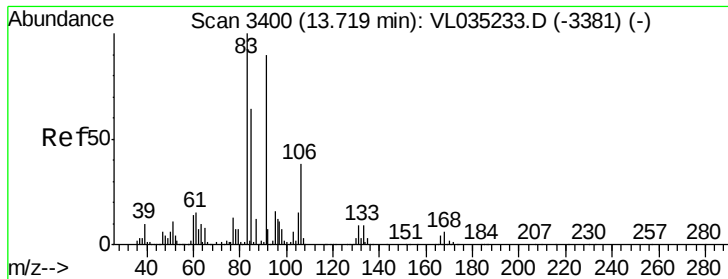
MMDadoda
8/3/2020 12:36:36 PM



#62
Isopropylbenzene
Concen: 10.889 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.8	31.2





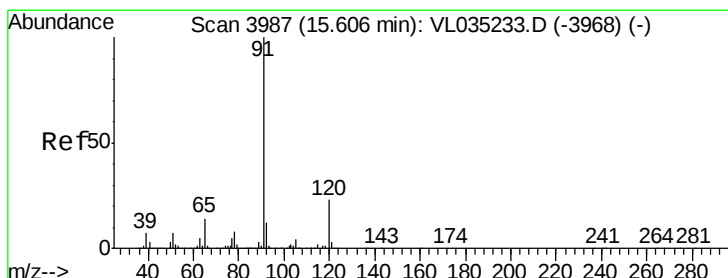
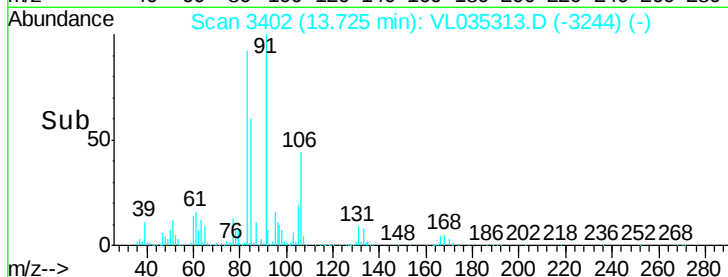
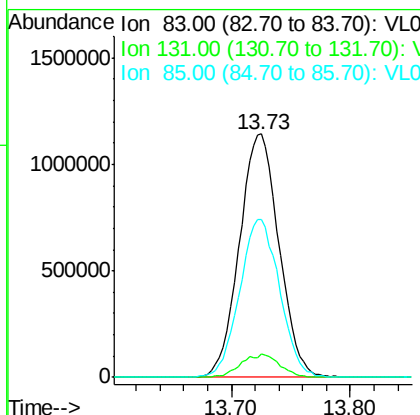
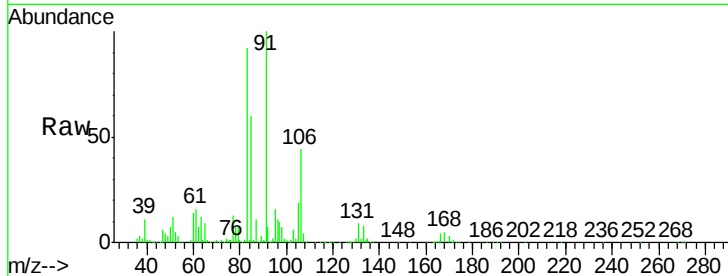
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.624 ppbv
 RT: 13.73 min Scan# 3402
 Delta R.T. 0.01 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2626248
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	4.6	13.8
85	65.9	32.7	98.1

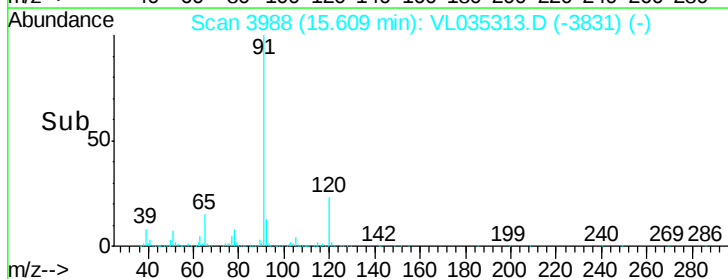
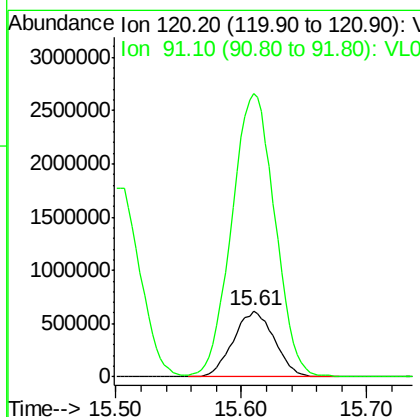
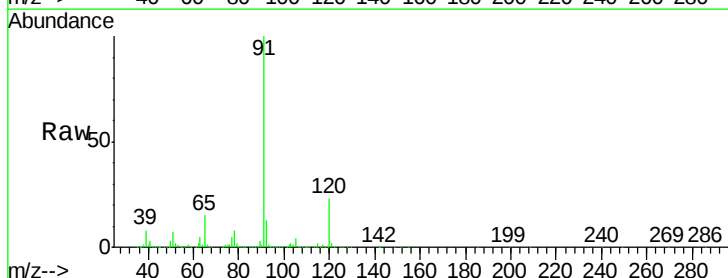
Manual Integrations
 APPROVED

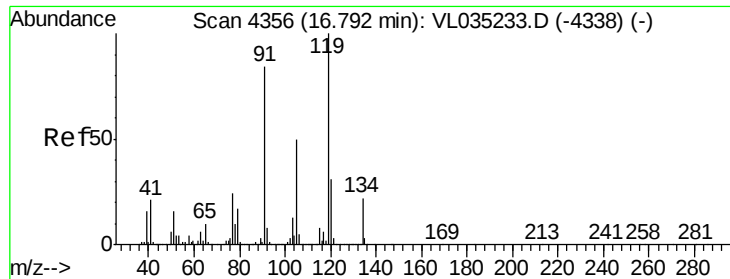
MMDadoda
 8/3/2020 12:36:36 PM



#64
 n-propylbenzene
 Concen: 11.216 ppbv
 RT: 15.61 min Scan# 3988
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion	120	Resp	1407680
Ion Ratio	100	Lower	Upper
120	100		
91	452.0	367.5	551.3





#65

tert-Butylbenzene

Concen: 11.069 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 4732996

Ion Ratio Lower Upper

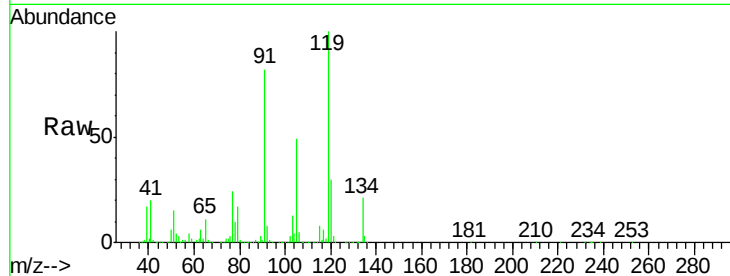
119 100

91 84.9 68.0 102.0

134 20.2 16.3 24.5

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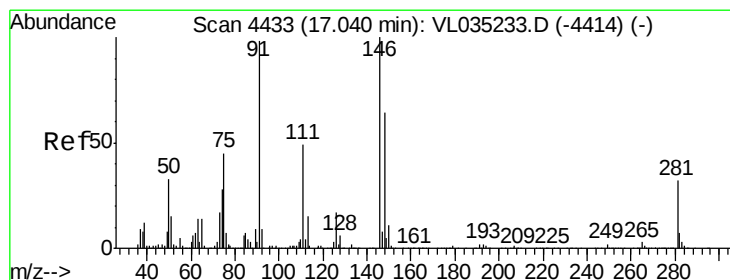
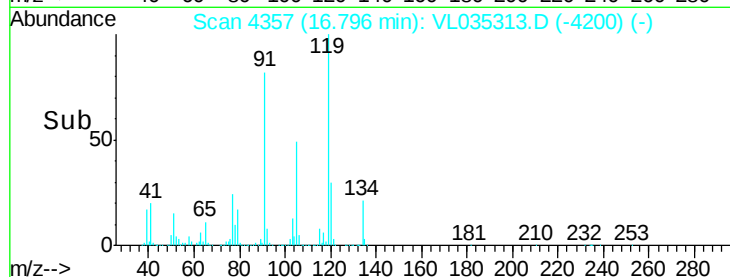
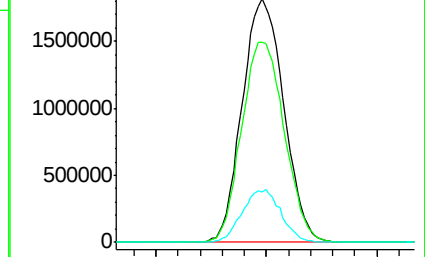
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.280 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

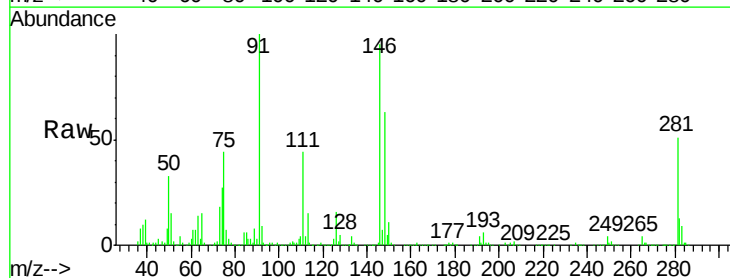
Tgt Ion: 91 Resp: 1889314

Ion Ratio Lower Upper

91 100

126 17.0 14.1 21.1

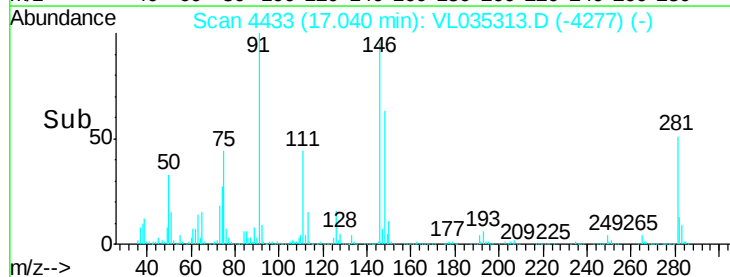
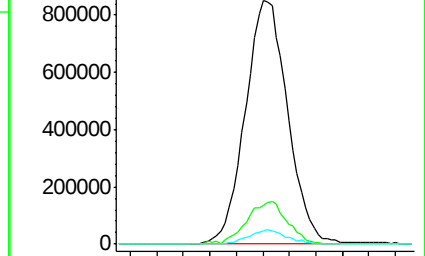
128 5.3 4.4 6.6

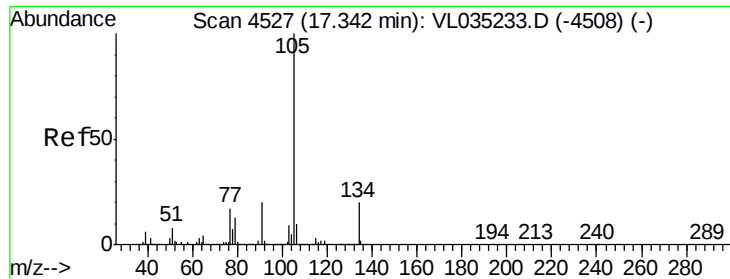


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





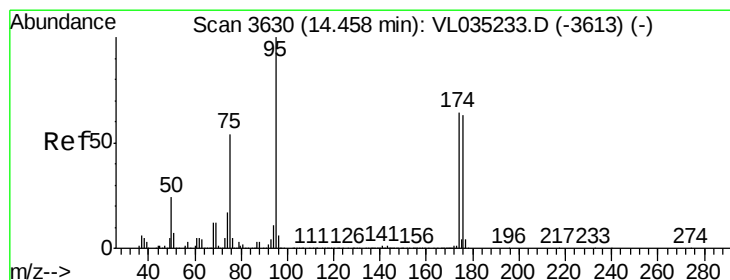
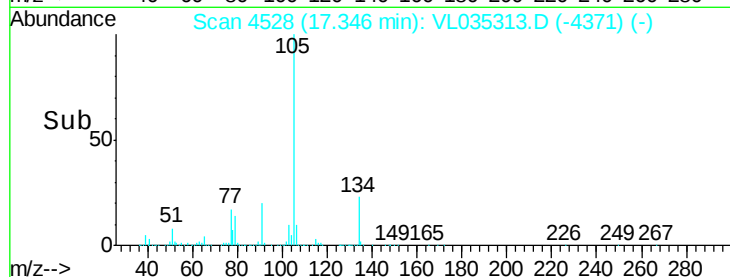
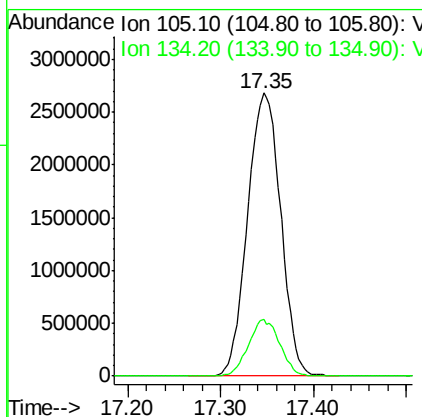
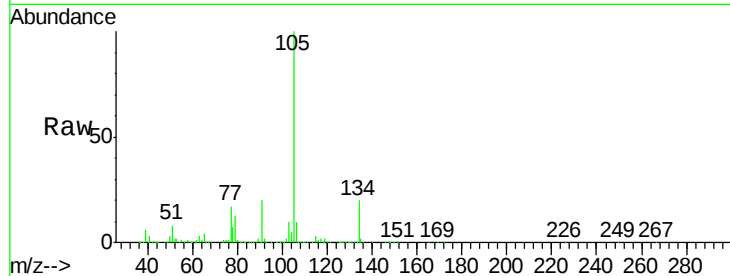
#67
 sec-Butylbenzene
 Concen: 10.641 ppbv
 RT: 17.35 min Scan# 4528
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 6648535
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.0 22.4

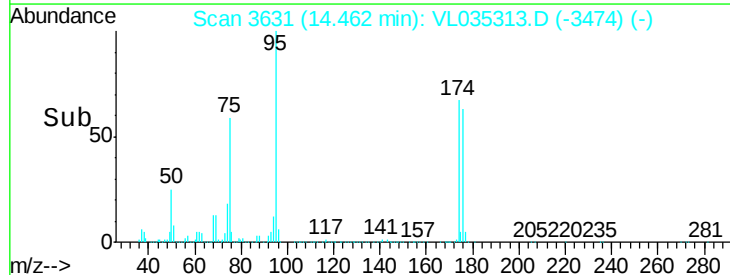
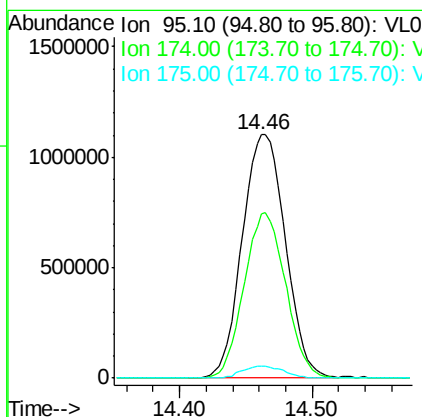
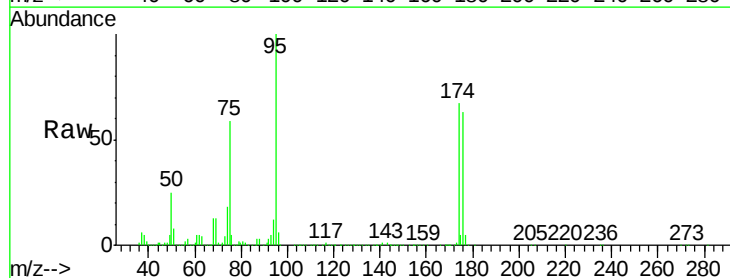
Manual Integrations
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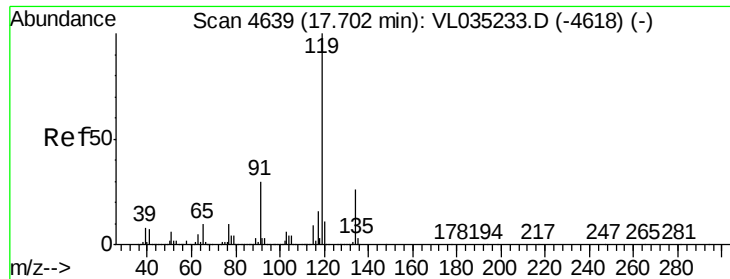
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.670 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion: 95 Resp: 2490989
 Ion Ratio Lower Upper
 95 100
 174 65.6 52.7 79.1
 175 4.8 3.9 5.9





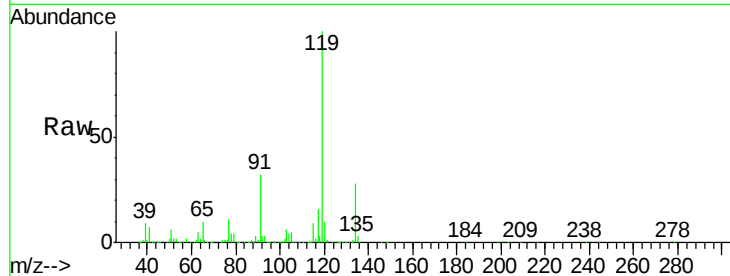
#69
p-Isopropyltoluene
Concen: 10.780 ppbv
RT: 17.70 min Scan# 4639
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

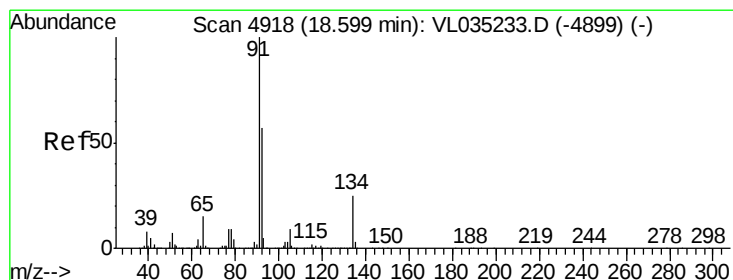
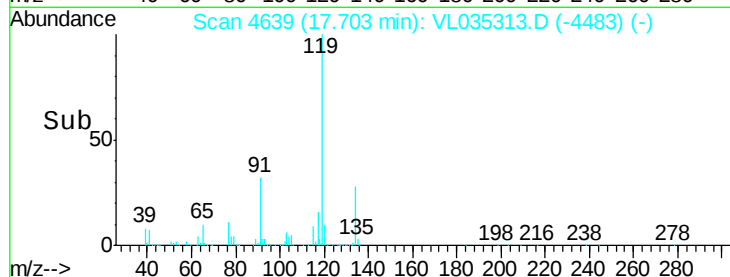
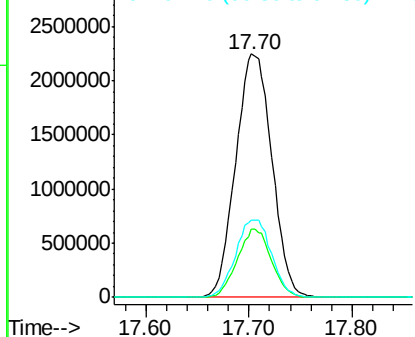
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.8	31.2
91	31.8	24.7	37.1

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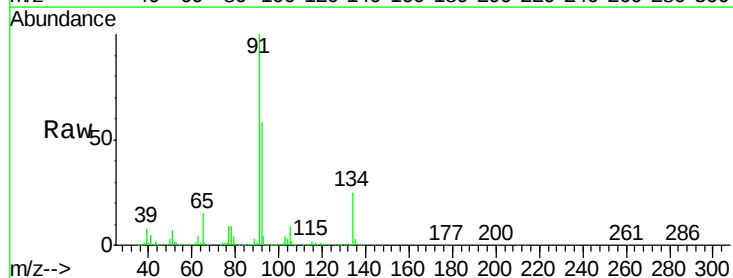


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

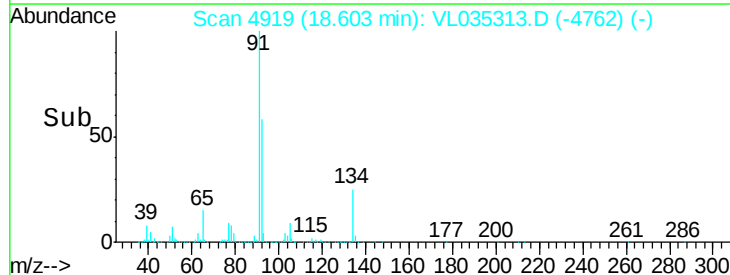
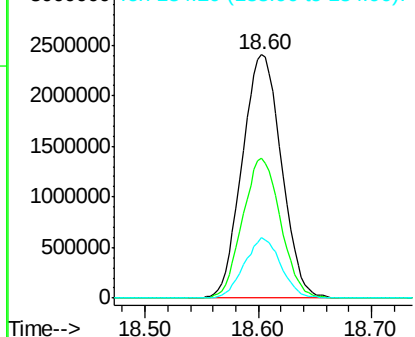


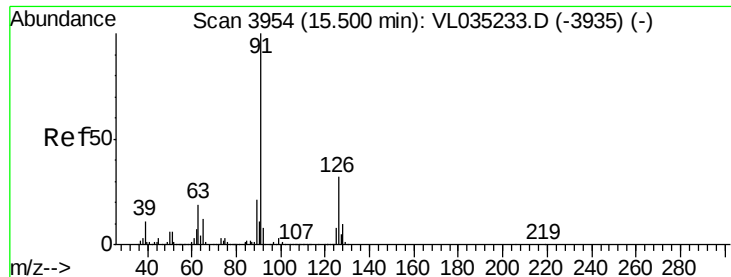
#70
n-Butylbenzene
Concen: 10.528 ppbv
RT: 18.60 min Scan# 4919
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.9	67.3
134	23.0	18.6	28.0



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





#71

2-Chlorotoluene

Concen: 11.282 ppbv

RT: 15.50 min Scan# 3955

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4015656

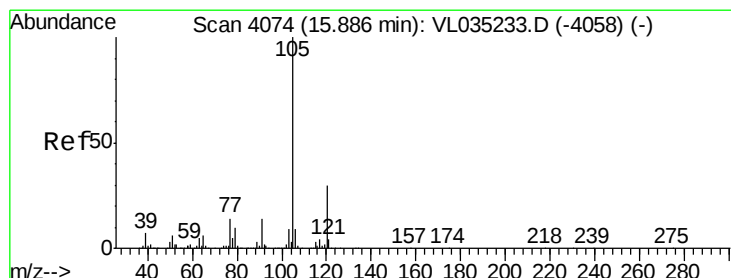
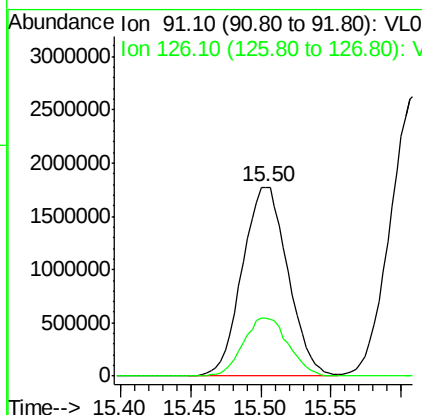
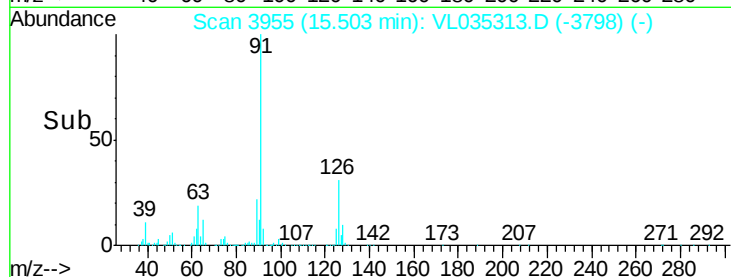
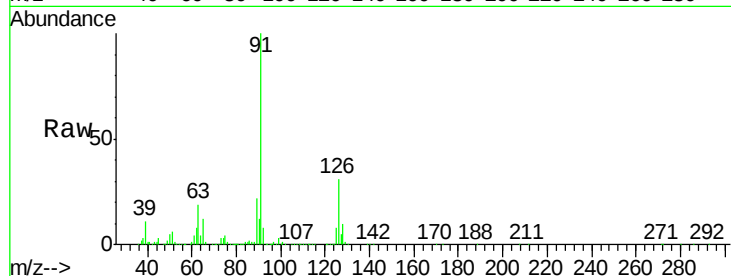
Ion Ratio Lower Upper

91 100

126 30.5 12.3 49.1

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#72

4-Ethyltoluene

Concen: 11.551 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. 0.00 min

Lab File: VL035313.D

Acq: 31 Jul 2020 21:59

Tgt Ion: 105 Resp: 4123084

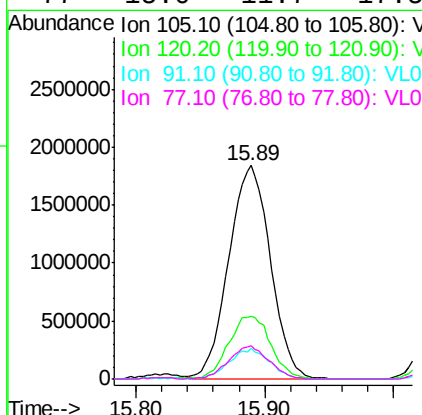
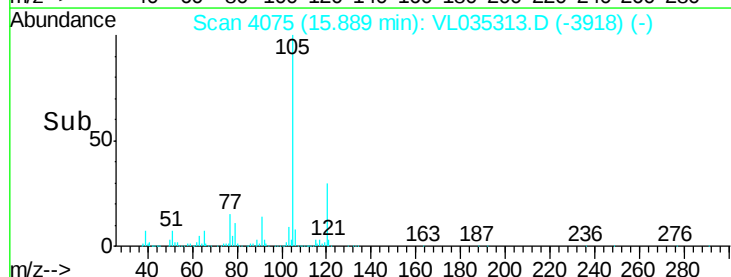
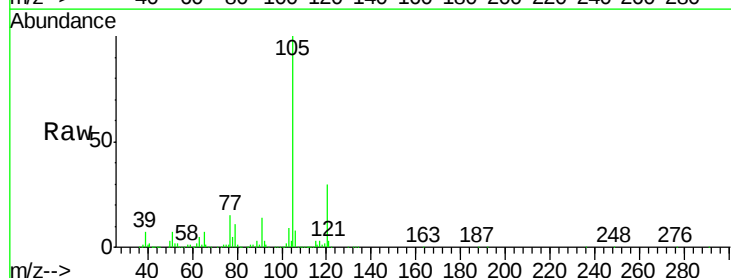
Ion Ratio Lower Upper

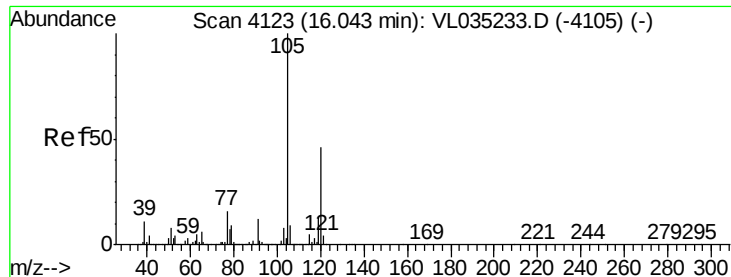
105 100

120 30.6 23.6 35.4

91 13.9 11.0 16.6

77 15.0 11.7 17.5





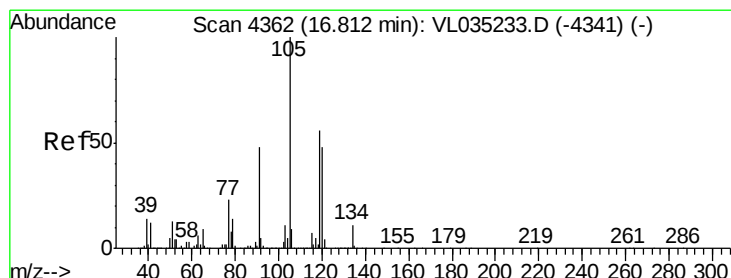
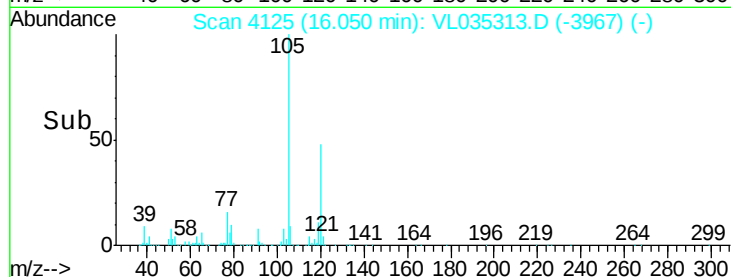
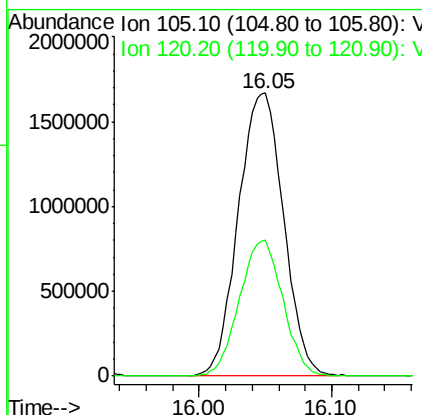
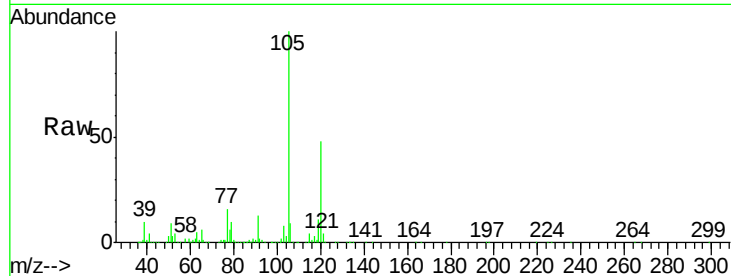
#73
 1,3,5-Trimethylbenzene
 Concen: 11.277 ppbv
 RT: 16.05 min Scan# 4125
 Delta R.T. 0.01 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3925550
 Ion Ratio Lower Upper
 105 100
 120 48.2 36.8 55.2

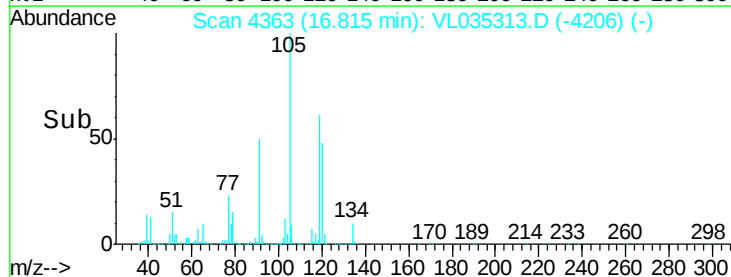
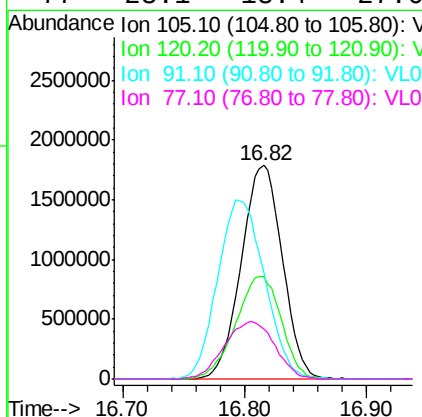
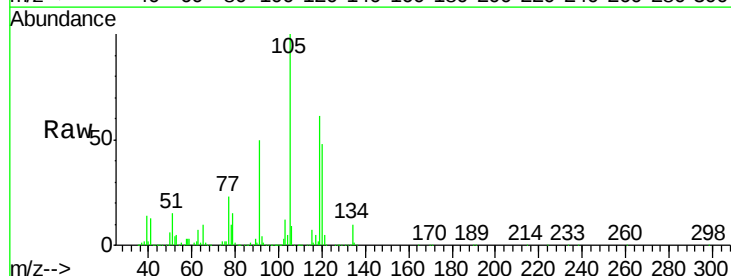
Manual Integrations
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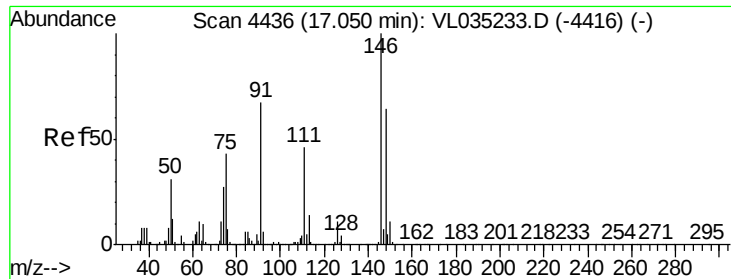
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.271 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion:105 Resp: 4162308
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.8 58.2
 91 49.7 38.9 58.3
 77 23.1 18.4 27.6





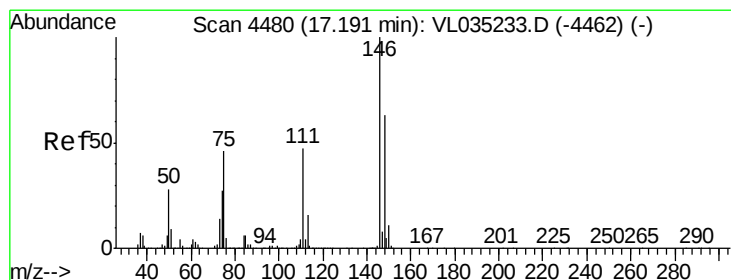
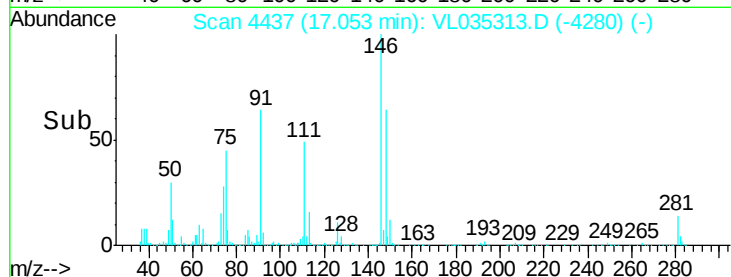
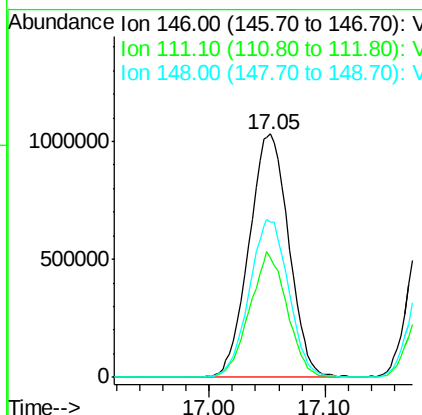
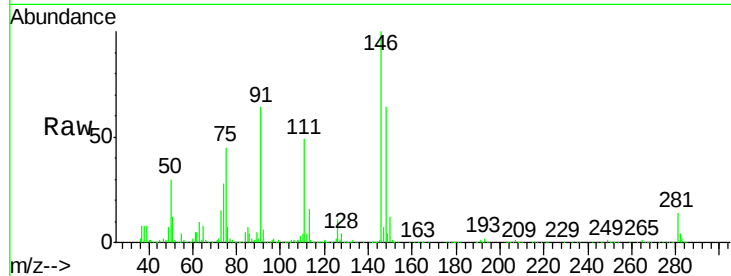
#75
 1,3-Dichlorobenzene
 Concen: 9.400 ppbv
 RT: 17.05 min Scan# 4437
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.4	73.4
148	64.2	32.1	96.5

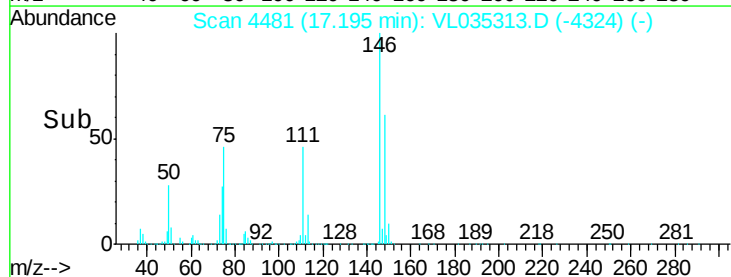
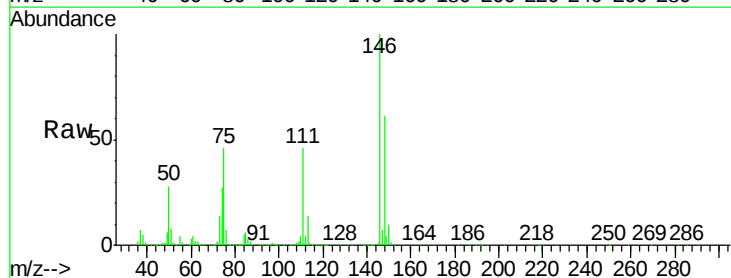
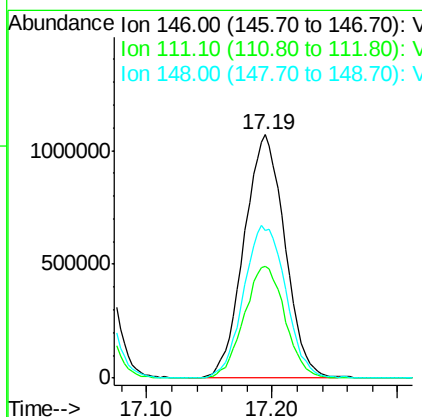
Manual Integrations
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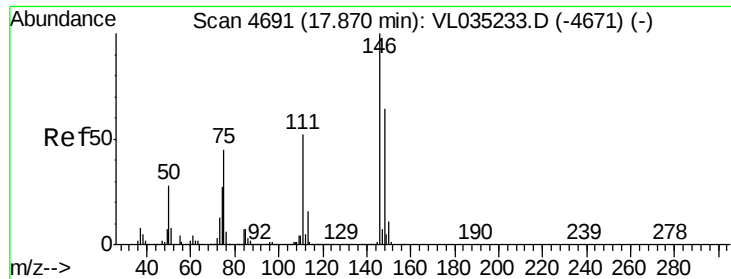
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#76
 1,4-Dichlorobenzene
 Concen: 10.179 ppbv
 RT: 17.19 min Scan# 4481
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.4	70.2
148	65.4	32.2	96.6





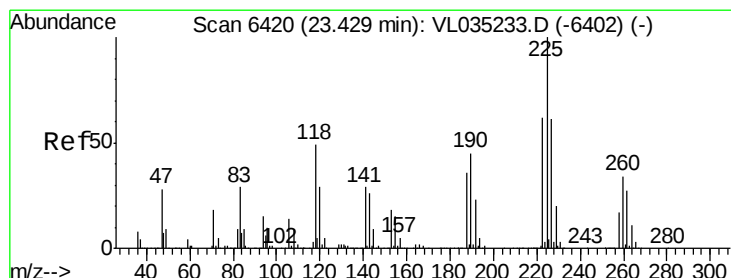
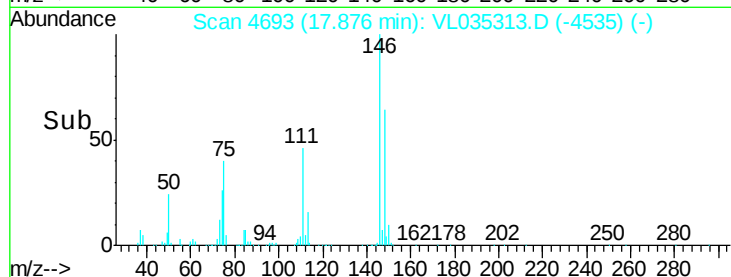
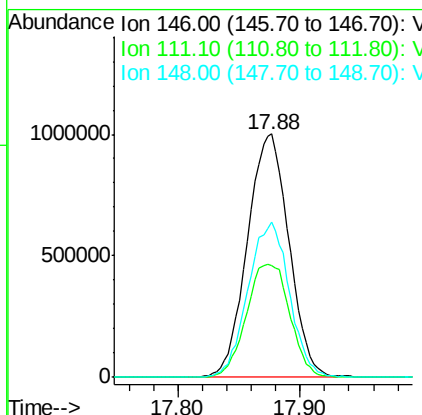
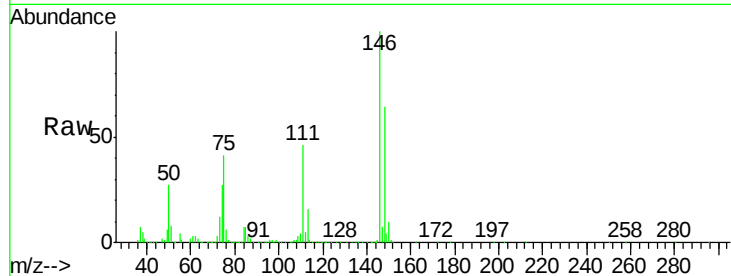
#77
 1,2-Dichlorobenzene
 Concen: 10.056 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. 0.01 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2356796
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.6 73.8
 148 63.5 32.0 96.0

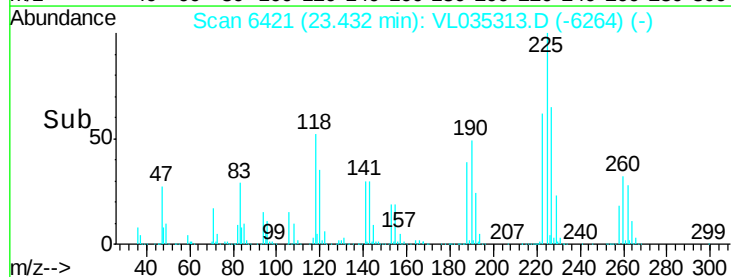
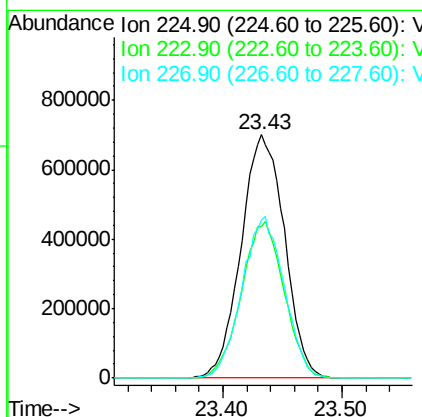
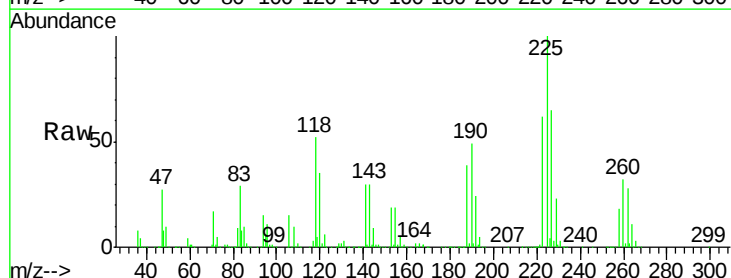
Manual Integrations
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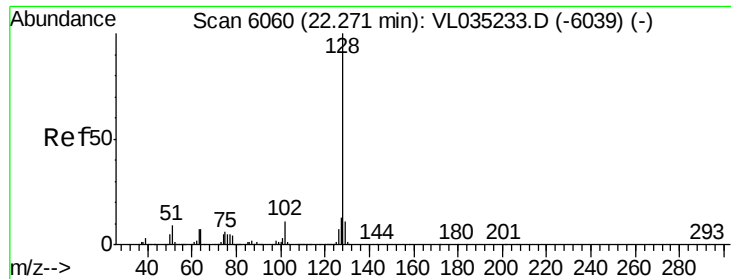
MMDadoda
 8/3/2020 12:36:36 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.205 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Tgt Ion:225 Resp: 1765753
 Ion Ratio Lower Upper
 225 100
 223 63.4 51.3 76.9
 227 64.6 51.4 77.2





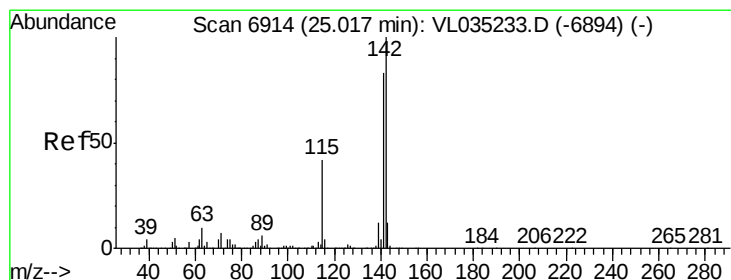
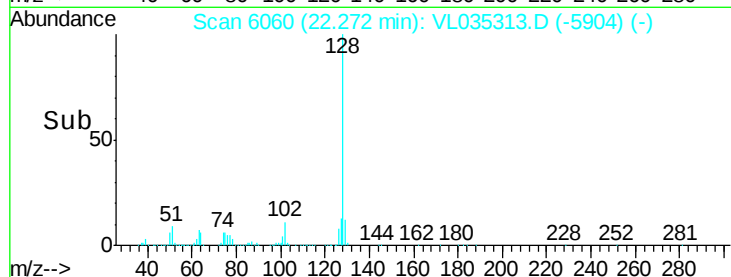
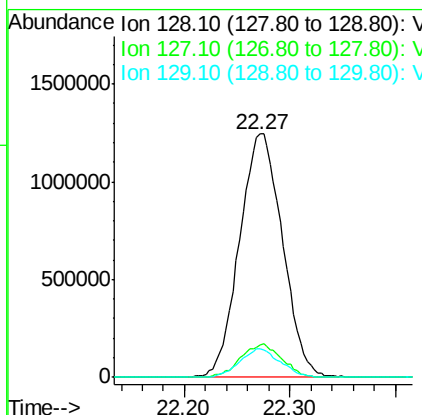
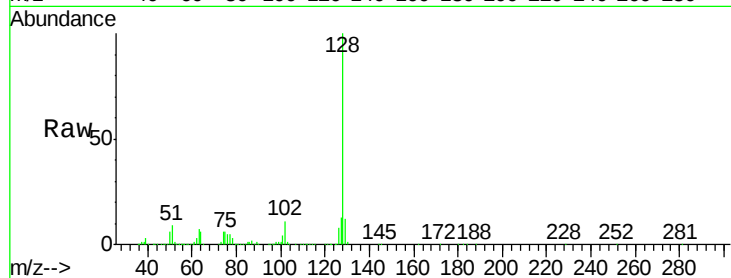
#79
Naphthalene
Concen: 10.933 ppbv
RT: 22.27 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.6	8.5	12.7

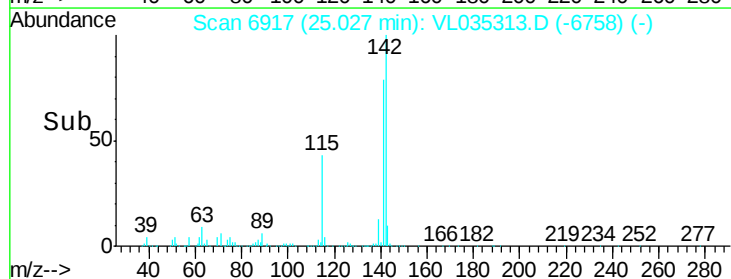
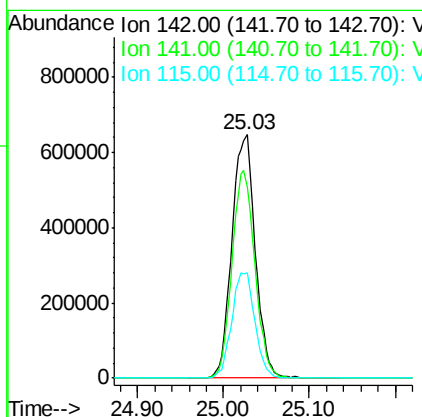
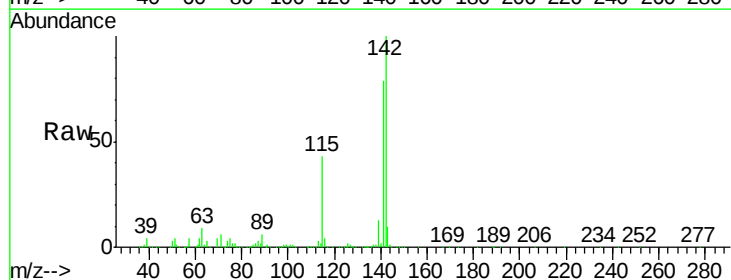
Manual Integrations
APPROVED

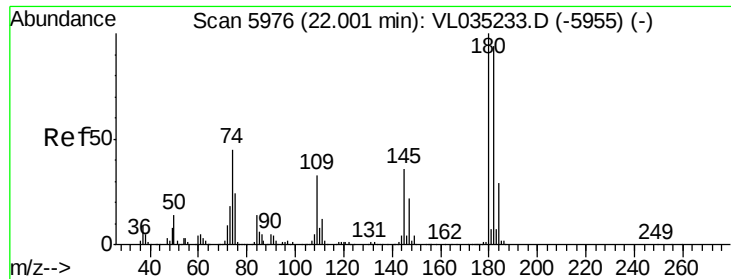
MMDadoda
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#80
Naphthalene, 2-methyl-
Concen: 11.714 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. 0.01 min
Lab File: VL035313.D
Acq: 31 Jul 2020 21:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	68.6	103.0
115	43.0	34.5	51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.305 ppbv
 RT: 22.00 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL035313.D
 Acq: 31 Jul 2020 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.7	115.1
184	30.6	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
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