

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036047.D
 Acq On : 3 Dec 2020 10:29
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

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 12/7/2020 12:08:11 PM

Quant Time: Dec 03 12:18:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 03 12:18:59 2020
 QLast Update : Thu Dec 03 12:00:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1241701	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4412156	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4270912	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3179453	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	404420	1.730	ppbv	96
3) Chlorodifluoromethane	2.97	51	305557	2.055	ppbv	99
4) Chloromethane	3.12	50	151401	2.096	ppbv	95
5) Vinyl Chloride	3.24	62	179009	1.944	ppbv	98
6) Bromomethane	3.46	94	148638	2.007	ppbv	98
7) Chloroethane	3.54	64	69481	2.144	ppbv	94
8) Dichlorotetrafluoroethane	3.17	85	530977	1.985	ppbv	98
9) Propene	3.00	41	106635	1.959	ppbv	99
10) Heptane	8.10	43	298803	1.988	ppbv	99
11) Trichlorofluoromethane	3.93	101	603985	2.058	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	450994	2.064	ppbv	99
13) Ethanol	3.59	45	25448m	2.155	ppbv	
14) Bromoethene	3.72	108	185189	1.841	ppbv	97
15) Acetone	3.84	43	283322	2.134	ppbv #	87
16) 1,3-Butadiene	3.31	39	120657m	2.111	ppbv	
17) tert-Butyl alcohol	4.28	59	239961	1.364	ppbv	100
18) 1,1-Dichloroethene	4.27	96	198661	1.980	ppbv	96
19) Isopropyl Alcohol	3.95	45	126322m	1.548	ppbv	
20) Methylene Chloride	4.33	84	243164	2.602	ppbv	97
21) Allyl Chloride	4.39	41	135681	1.890	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	194856	1.915	ppbv	96
23) Vinyl Acetate	5.06	43	307647	1.653	ppbv	98
24) 1,1-Dichloroethane	4.99	63	356696	2.012	ppbv	100
25) Ethyl Acetate	5.66	43	544613	2.083	ppbv	99
26) Hexane	5.67	57	302851	2.100	ppbv	97
27) Carbon Disulfide	4.53	76	410398	1.899	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	439812	1.698	ppbv	100
29) Chloroform	5.73	83	537919	1.898	ppbv	98
30) Cyclohexane	7.11	84	258354	1.645	ppbv #	84
31) cis-1,2-Dichloroethene	5.53	61	258382	1.741	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	476390	1.610	ppbv	98
34) 2-Butanone	5.23	43	310787	2.170	ppbv	97
35) Carbon Tetrachloride	7.00	117	469296	1.991	ppbv	99
36) Benzene	6.87	78	651861	1.987	ppbv	98
37) 1,2-Dichloroethane	6.29	62	323269	2.175	ppbv	100
38) Trichloroethene	7.82	130	282046	1.760	ppbv	99
39) 1,2-Dichloropropane	7.60	63	241759	2.189	ppbv	95
40) 1,4-Dioxane	7.83	88	67996	1.299	ppbv #	28
41) Tetrahydrofuran	6.04	42	170179m	2.092	ppbv	
42) Bromodichloromethane	7.77	83	508392	2.028	ppbv	97
43) Methyl Methacrylate	8.00	69	234953	1.878	ppbv	99

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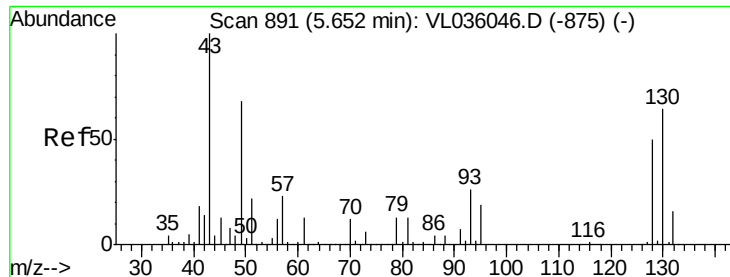
Manual Integrations
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Quant Time: Dec 03 12:18:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 03 2020
 QLast Update : Thu Dec 03 12:00:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	997998	2.299	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	196140	1.479	ppbv	95
46) cis-1,3-Dichloropropene	8.69	75	276879	1.648	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	294479	1.957	ppbv	96
48) Dibromochloromethane	10.29	129	414867	1.805	ppbv	100
49) Bromoform	13.02	173	301593	1.555	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	497463	2.272	ppbv	98
51) 2-Hexanone	10.13	43	347928	1.978	ppbv #	97
52) Tetrachloroethene	11.21	164	241023	1.551	ppbv	99
53) Toluene	9.79	91	724790	1.831	ppbv	97
54) 1,2-Dibromoethane	10.59	107	422771	1.847	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	355792	1.856	ppbv #	1
57) Chlorobenzene	12.13	112	649261	1.912	ppbv	98
58) Ethyl Benzene	12.70	91	940389	1.808	ppbv	94
59) m/p-Xylene	12.98	91	1692269m	3.845	ppbv	
60) o-Xylene	13.68	91	850406	1.986	ppbv	99
61) Styrene	13.51	104	469247	1.496	ppbv	99
62) Isopropylbenzene	14.65	105	1270340	1.888	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.66	83	636919	1.920	ppbv	100
64) n-propylbenzene	15.55	120	323942	1.666	ppbv	73
65) tert-Butylbenzene	16.73	119	1113194	1.818	ppbv	99
66) Benzyl Chloride	16.98	91	226387m	1.118	ppbv	
67) sec-Butylbenzene	17.28	105	1534244	1.859	ppbv	95
69) p-Isopropyltoluene	17.64	119	1153484	1.694	ppbv	97
70) n-Butylbenzene	18.54	91	1148845	1.751	ppbv	96
71) 2-Chlorotoluene	15.44	91	874827	1.777	ppbv	97
72) 4-Ethyltoluene	15.83	105	891743	1.717	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	828269	1.743	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	936394	1.839	ppbv #	93
75) 1,3-Dichlorobenzene	16.99	146	532420	1.642	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	523668m	1.674	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	480758	1.521	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	265052	1.798	ppbv	99
79) Naphthalene	22.19	128	360525	1.016	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	22869	0.395	ppbv	90
81) 1,2,4-Trichlorobenzene	21.92	180	277740m	1.401	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1241701

Ion Ratio Lower Upper

49 100

128 75.4 38.3 114.8

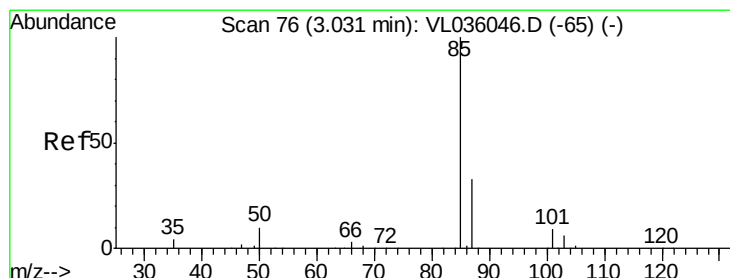
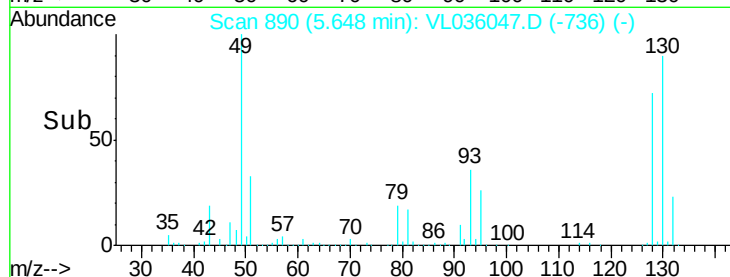
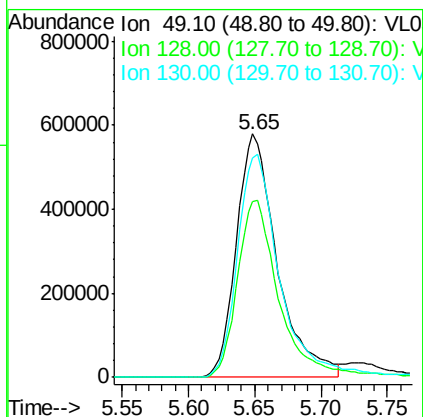
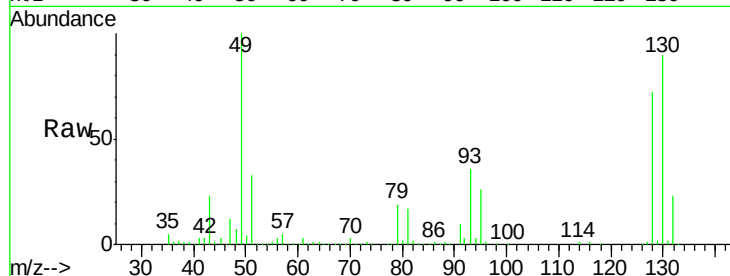
130 97.5 49.1 147.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 1.730 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036047.D

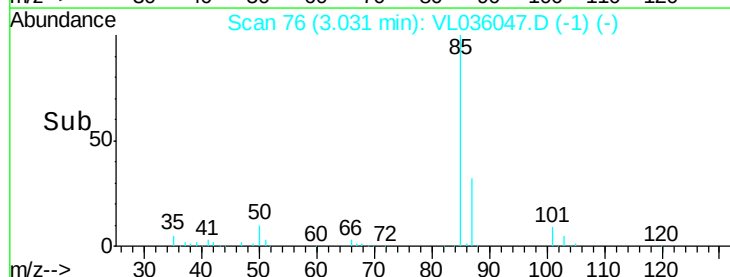
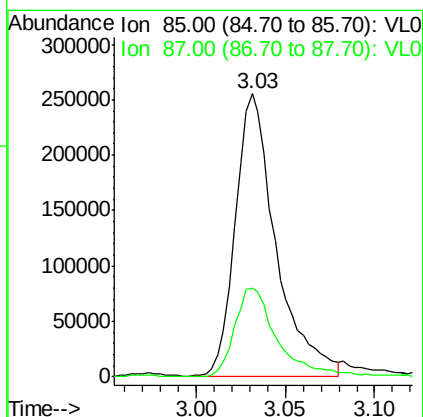
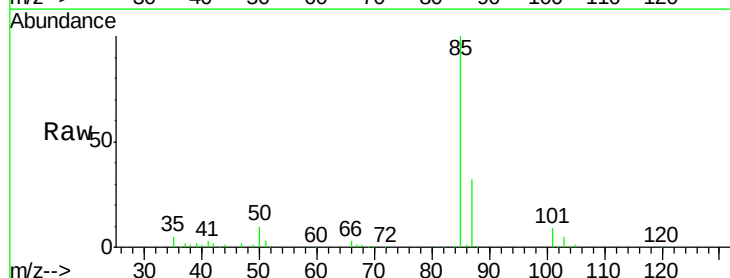
Acq: 3 Dec 2020 10:29

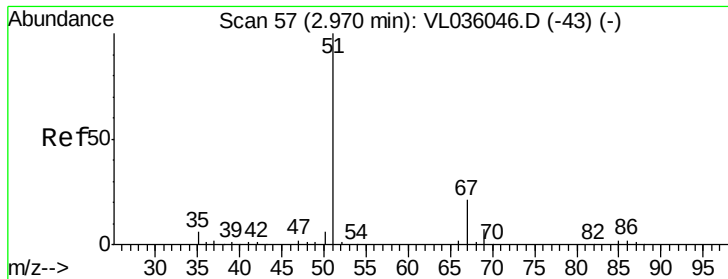
Tgt Ion: 85 Resp: 404420

Ion Ratio Lower Upper

85 100

87 31.4 26.8 40.2





#3

Chlorodifluoromethane

Concen: 2.055 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Tot Ion: 51 Resp: 305557

Ion Ratio Lower Upper

51 100

67 20.7 16.9 25.3

Instrument :

MSVOA_L

ClientSampleId :

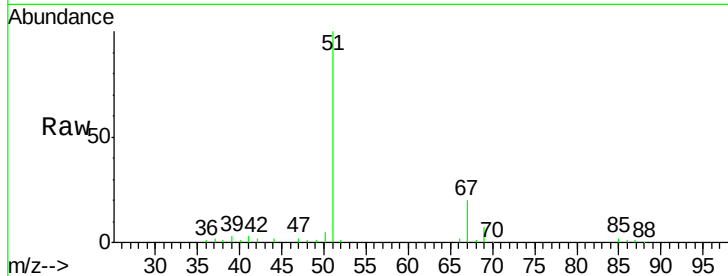
VSTDIC002

Manual Integrations

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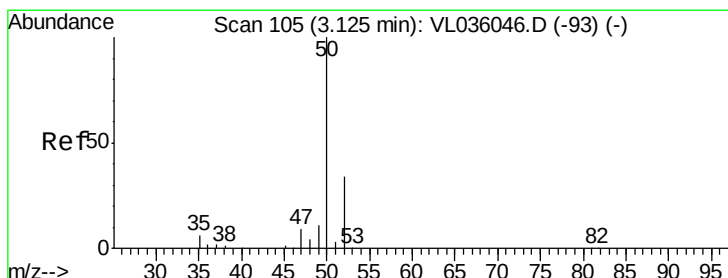
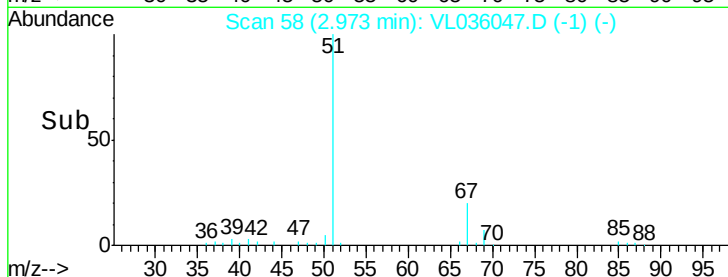
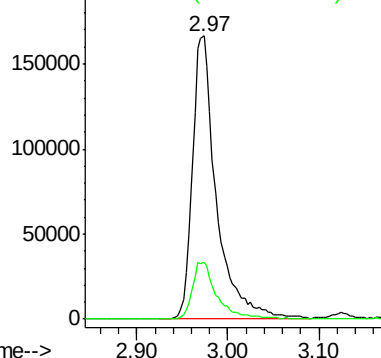
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.096 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036047.D

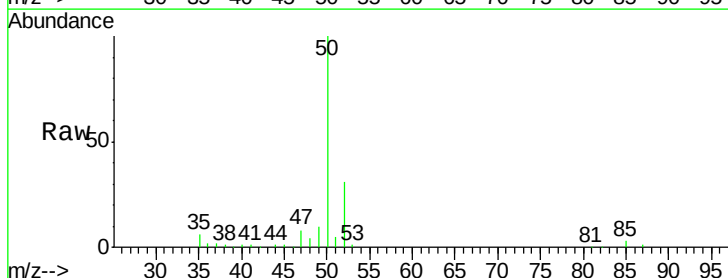
Acq: 3 Dec 2020 10:29

Tgt Ion: 50 Resp: 151401

Ion Ratio Lower Upper

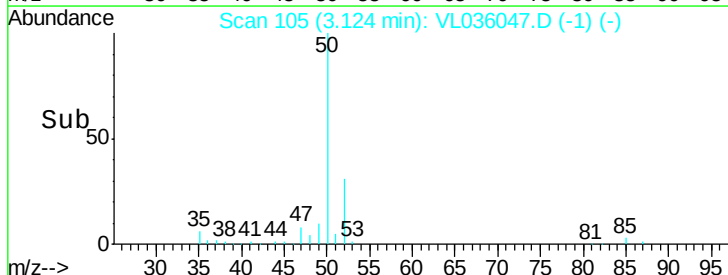
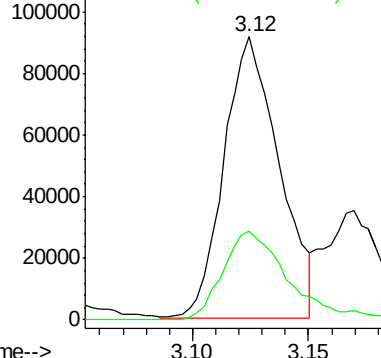
50 100

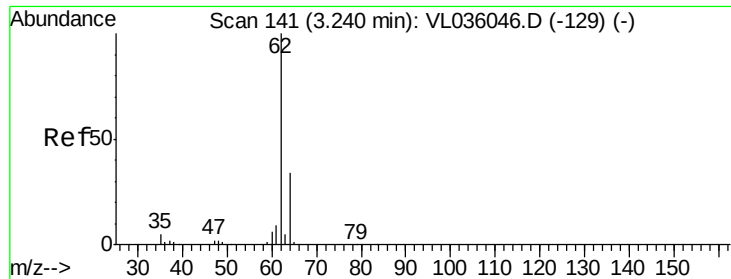
52 31.5 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.944 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 179009

Ion Ratio Lower Upper

62 100

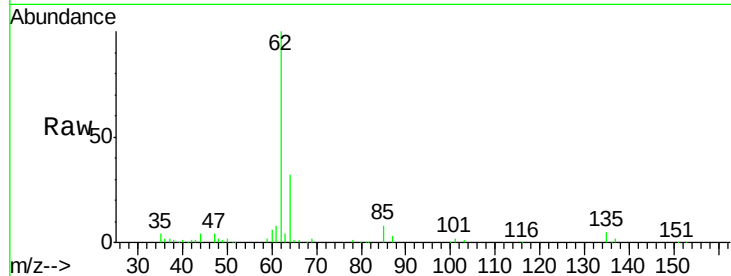
64 32.6 26.8 40.2

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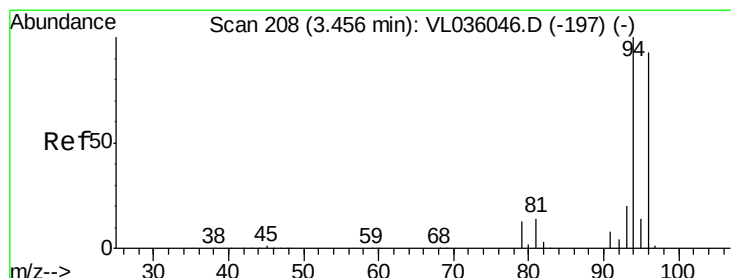
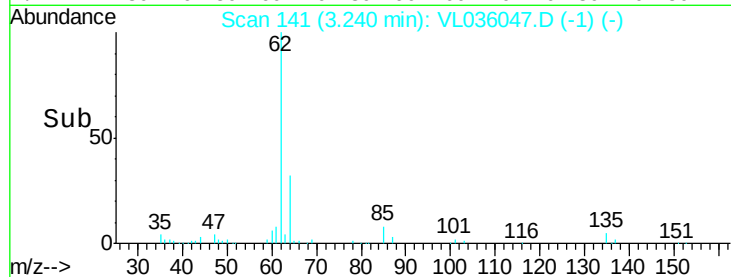
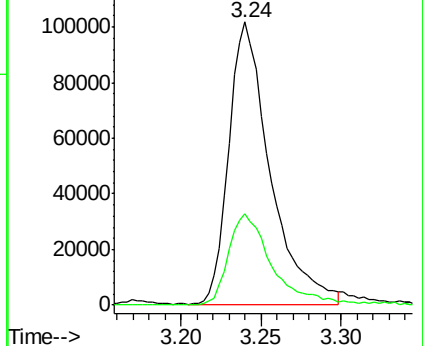
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.007 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL036047.D

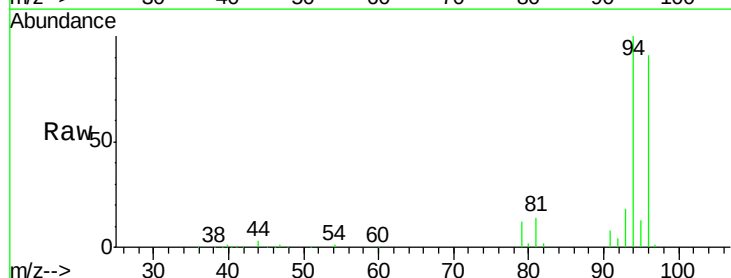
Acq: 3 Dec 2020 10:29

Tgt Ion: 94 Resp: 148638

Ion Ratio Lower Upper

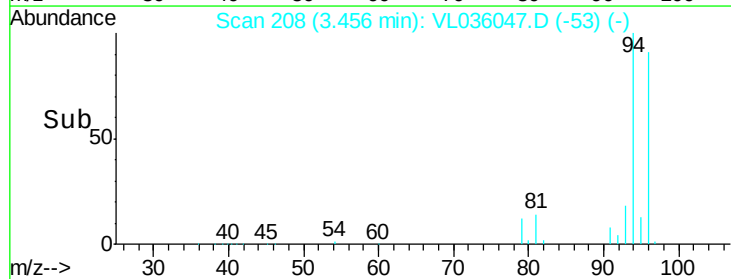
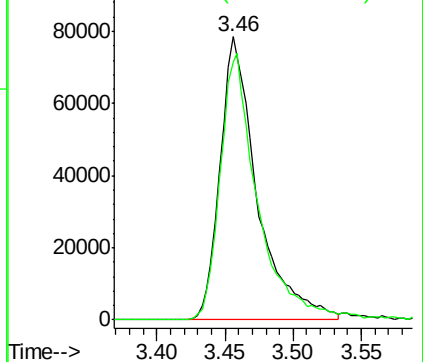
94 100

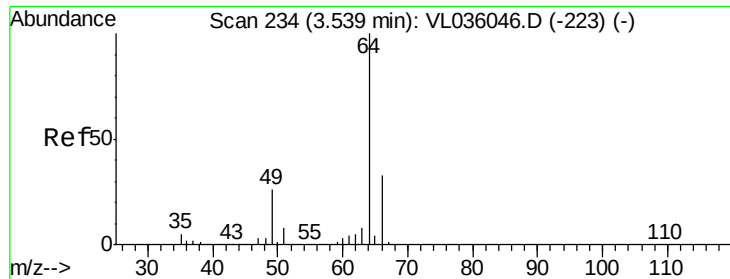
96 91.2 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.144 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 69481

Ion Ratio Lower Upper

64 100

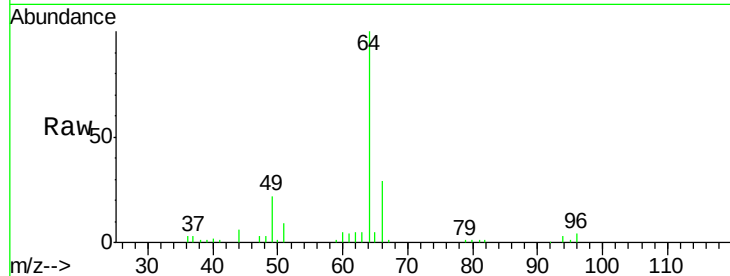
66 29.2 26.1 39.1

Manual Integrations

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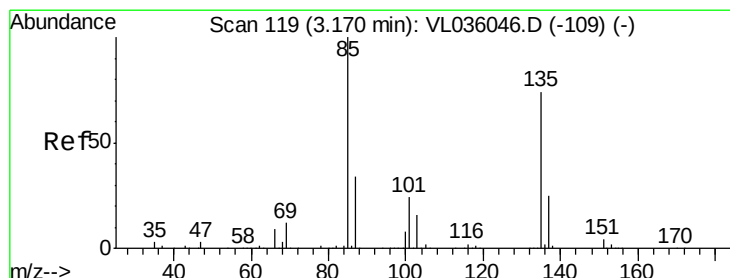
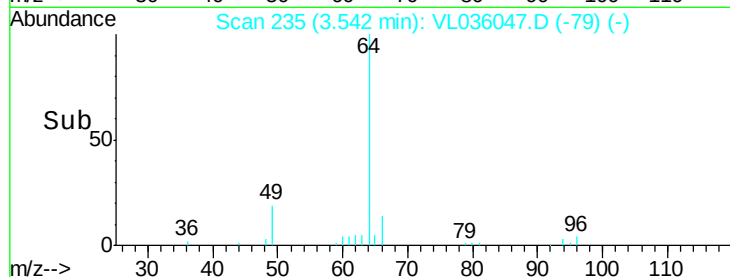
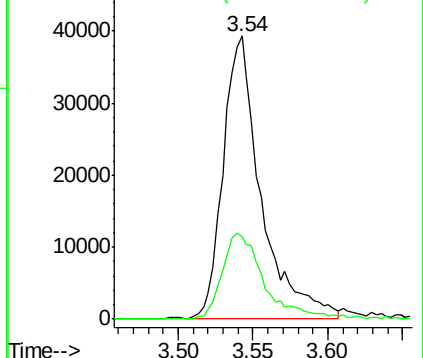
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.985 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.00 min

Lab File: VL036047.D

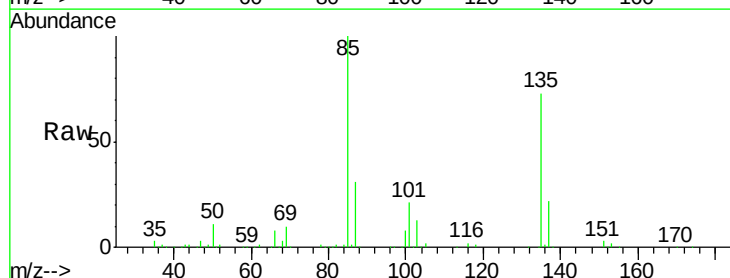
Acq: 3 Dec 2020 10:29

Tgt Ion: 85 Resp: 530977

Ion Ratio Lower Upper

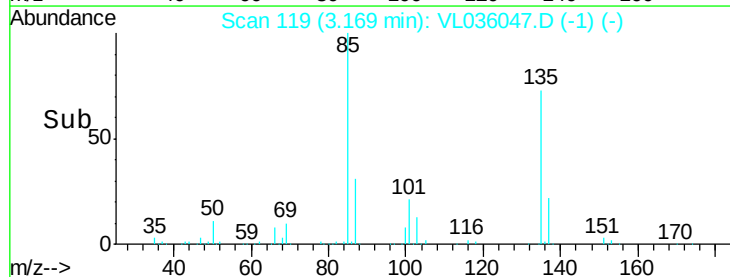
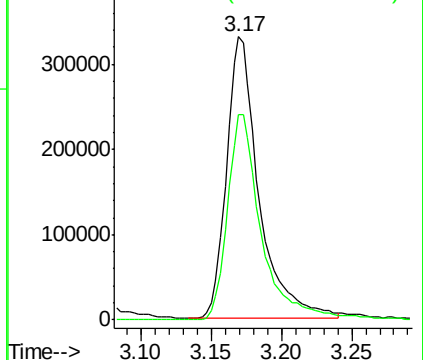
85 100

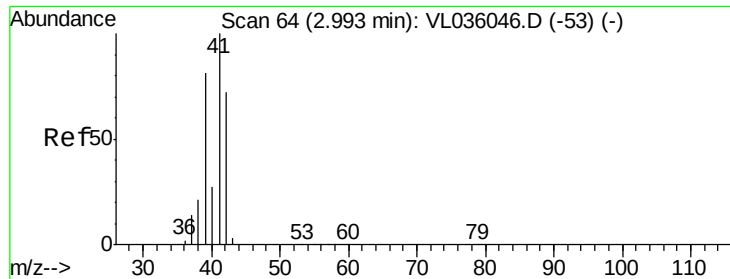
135 77.0 60.2 90.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.959 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 106635

Ion Ratio Lower Upper

41 100

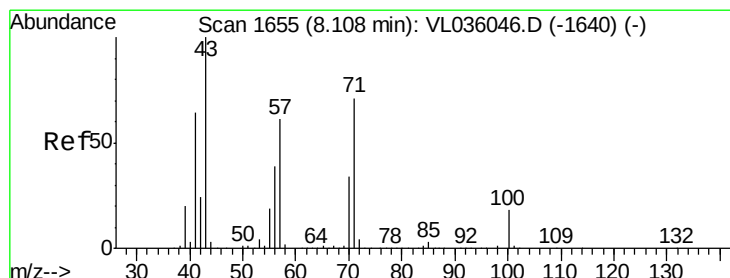
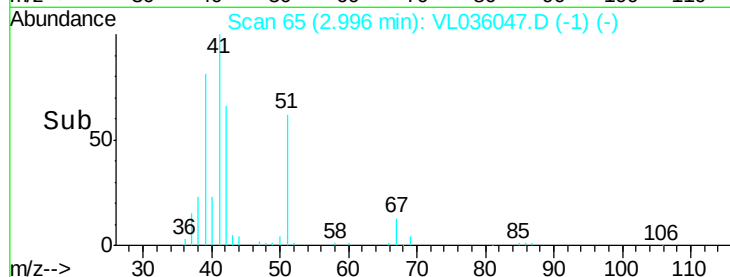
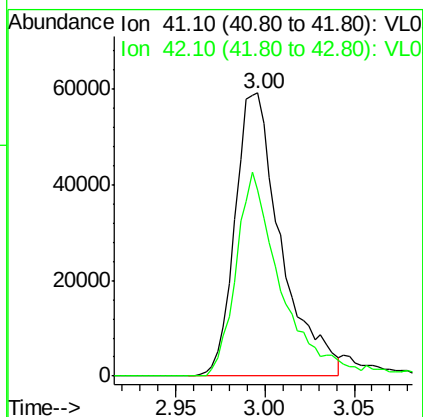
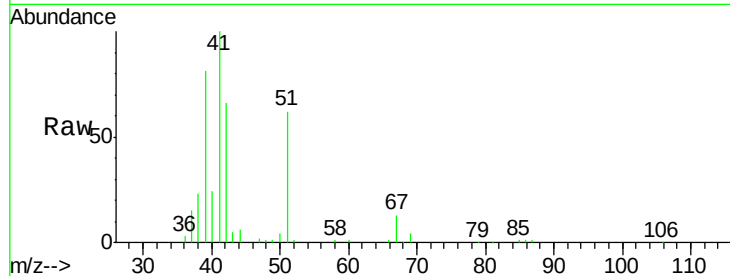
42 72.1 56.9 85.3

Manual Integrations

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#10

Heptane

Concen: 1.988 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL036047.D

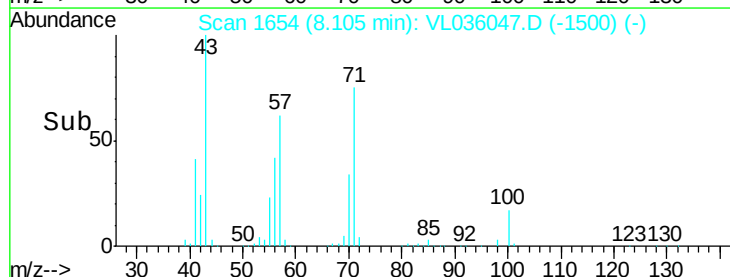
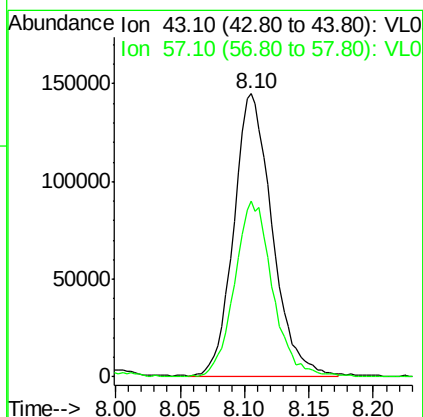
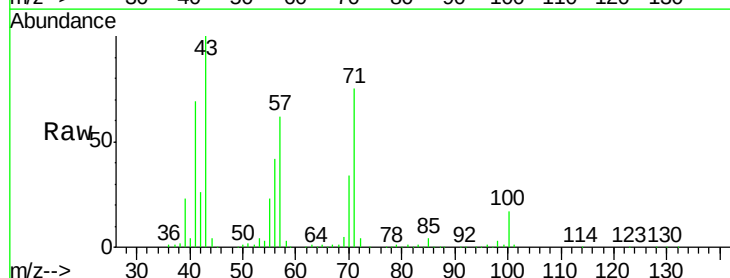
Acq: 3 Dec 2020 10:29

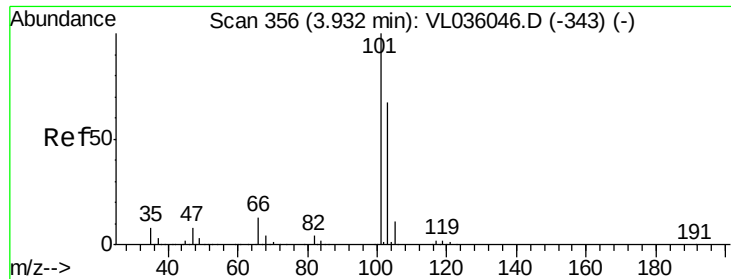
Tgt Ion: 43 Resp: 298803

Ion Ratio Lower Upper

43 100

57 62.1 49.2 73.8





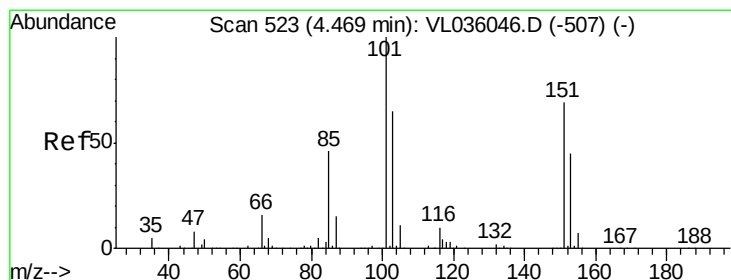
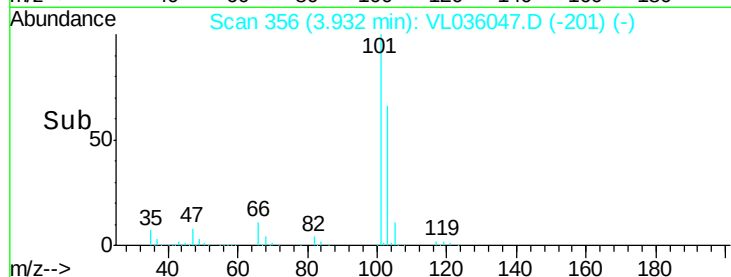
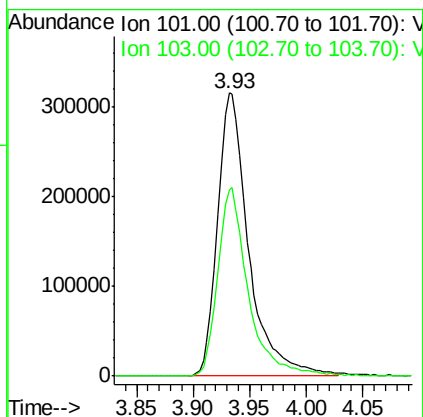
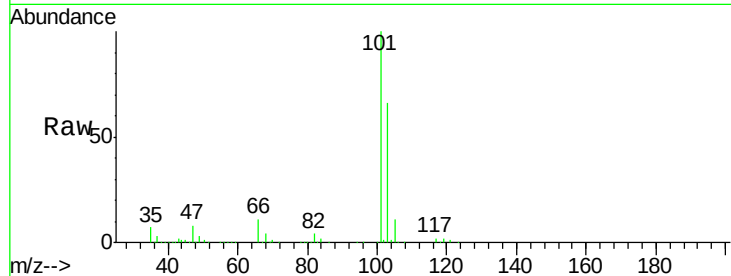
#11
 Trichlorofluoromethane
 Concen: 2.058 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.2	79.8

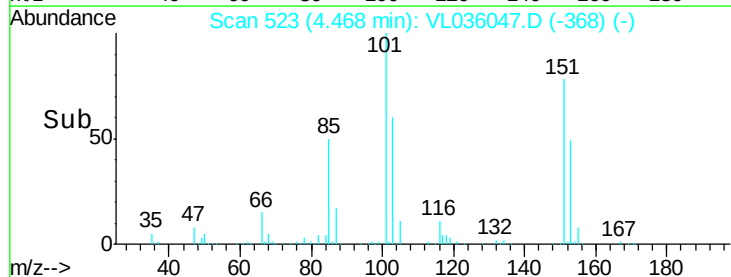
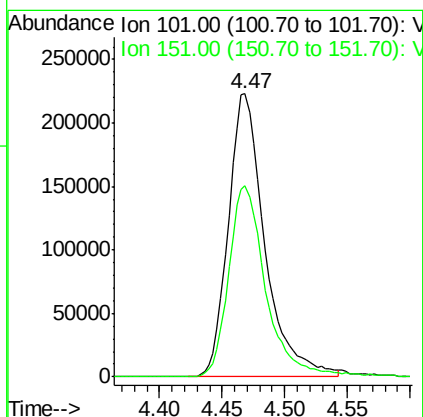
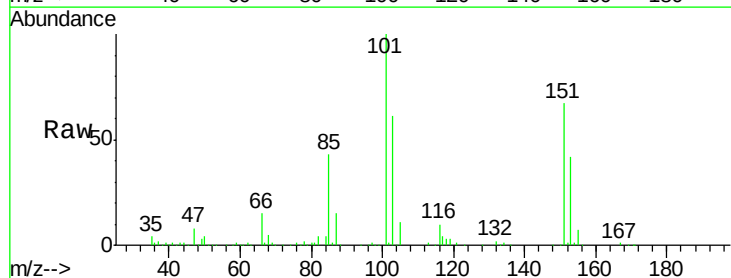
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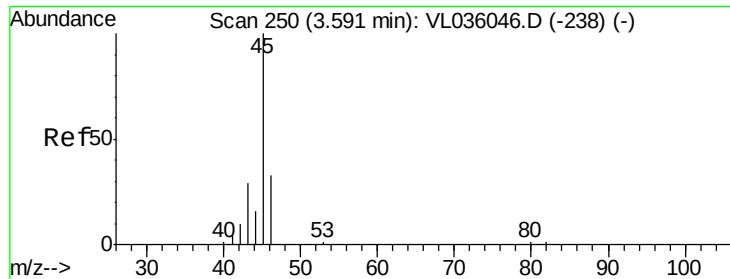
MMDadoda
 12/7/2020 12:08:11 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.064 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
101	100		
151	69.3	56.1	84.1





#13

Ethanol

Concen: 2.155 ppbv m

RT: 3.59 min Scan# 250

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 25448

Ion Ratio Lower Upper

45 100

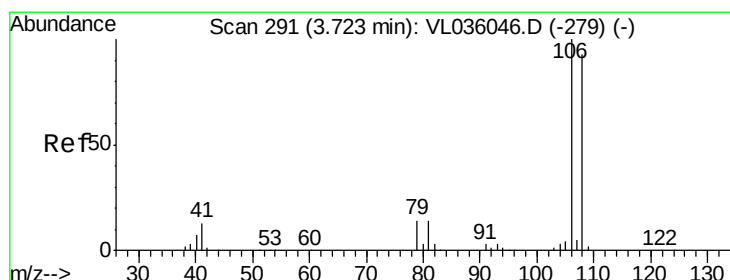
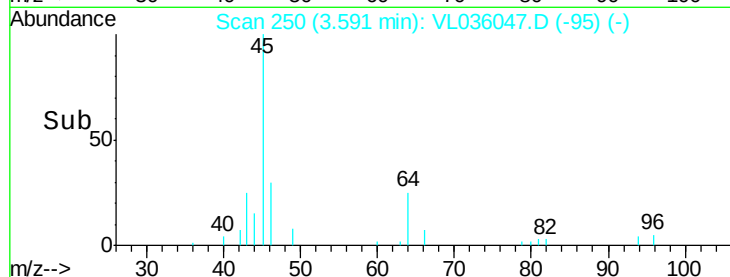
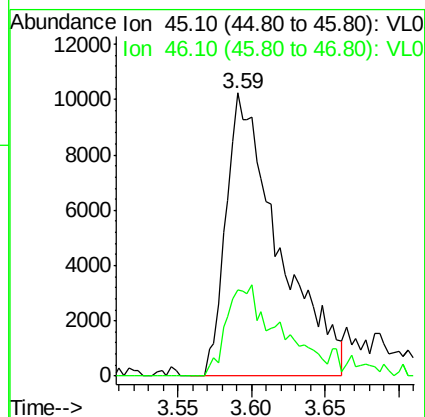
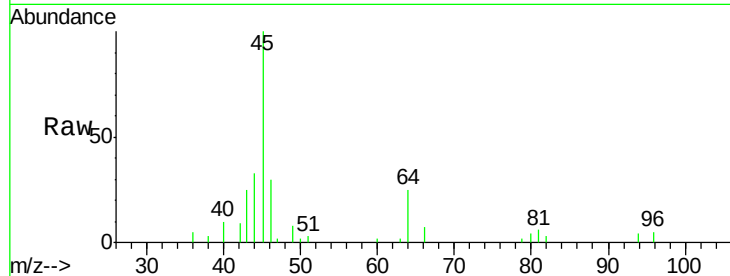
46 0.0 16.0 64.2#

Manual Integrations

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#14

Bromoethene

Concen: 1.841 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

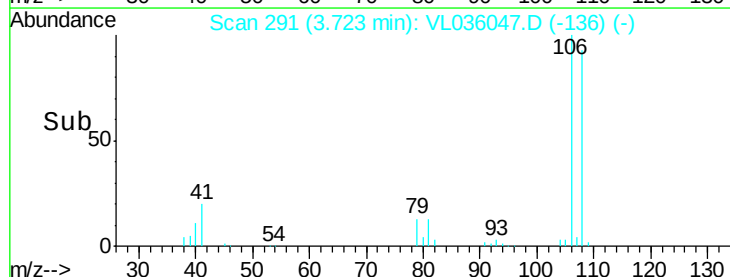
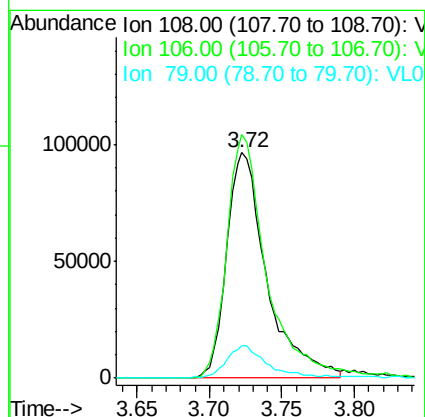
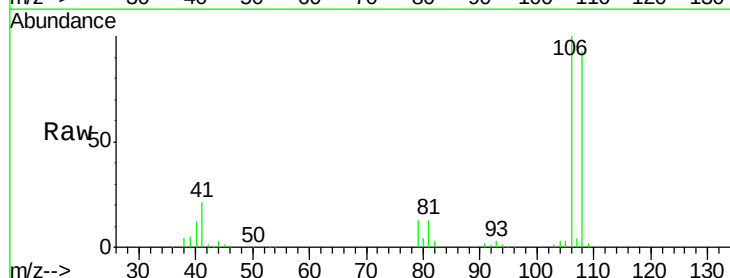
Tgt Ion: 108 Resp: 185189

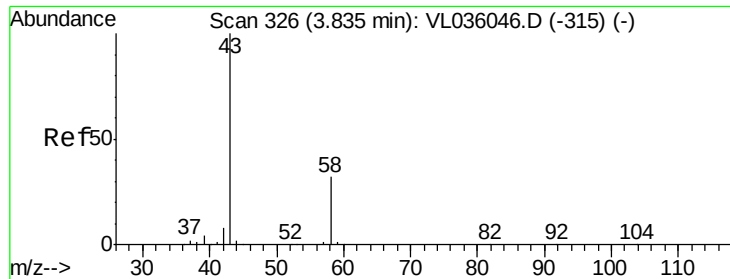
Ion Ratio Lower Upper

108 100

106 109.3 85.0 127.4

79 14.5 11.9 17.9





#15

Acetone

Concen: 2.134 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 283322

Ion Ratio Lower Upper

43 100

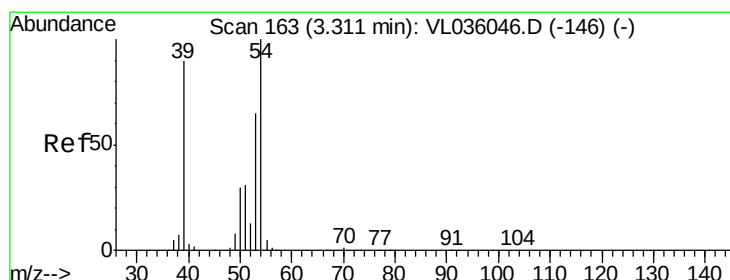
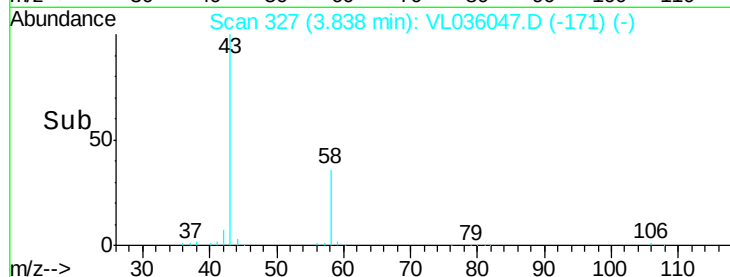
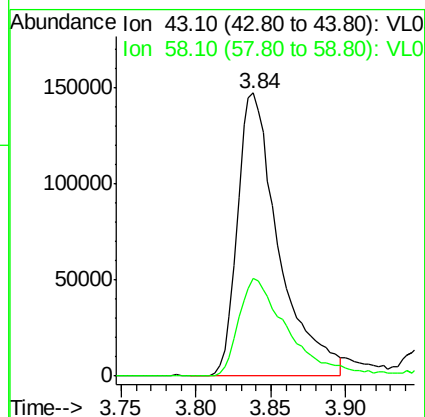
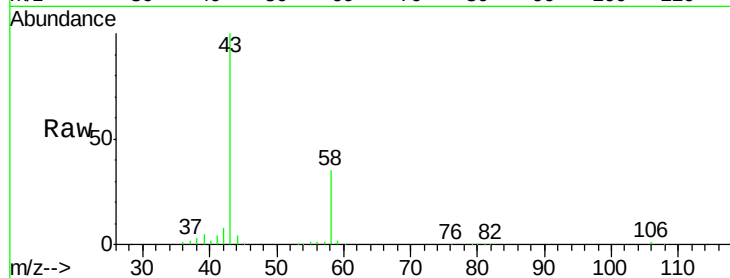
58 41.2 27.0 40.6#

Manual Integrations

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#16

1,3-Butadiene

Concen: 2.111 ppbv m

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL036047.D

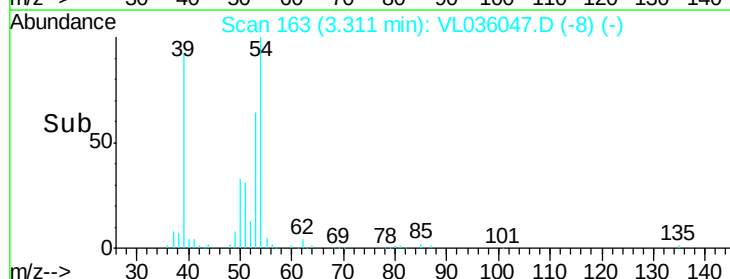
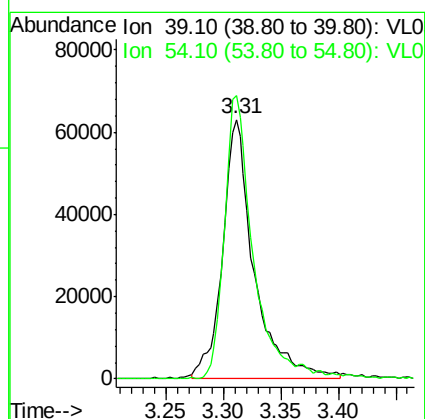
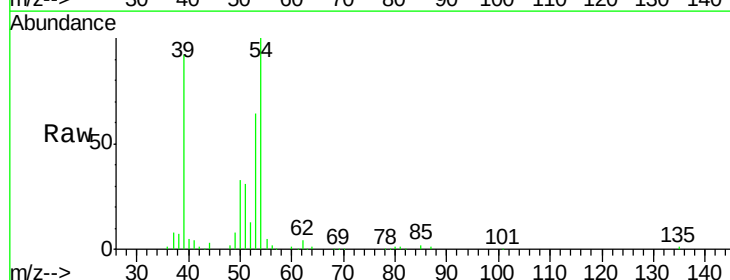
Acq: 3 Dec 2020 10:29

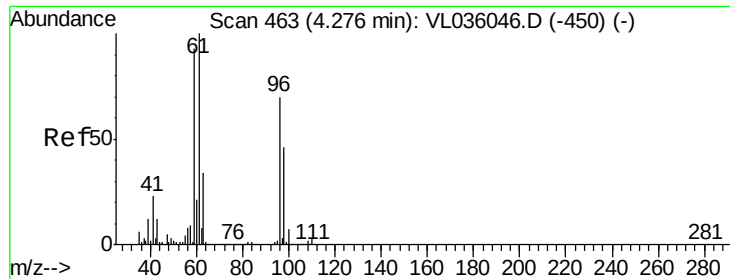
Tgt Ion: 39 Resp: 120657

Ion Ratio Lower Upper

39 100

54 102.2 86.1 129.1





#17

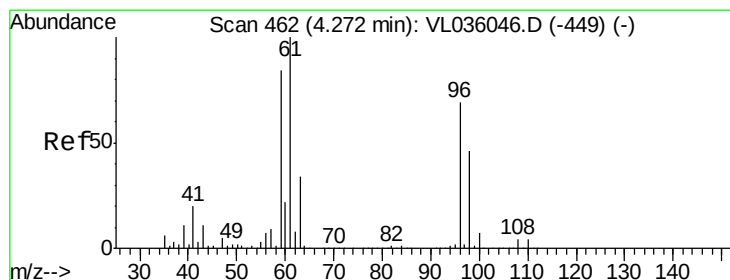
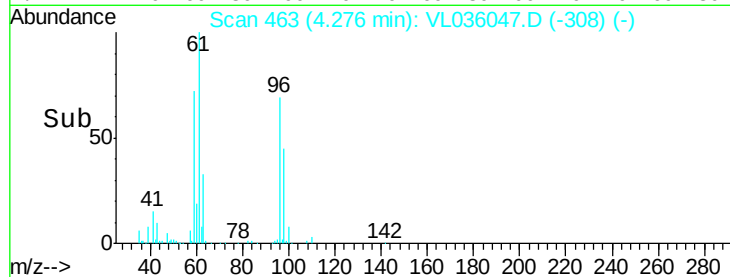
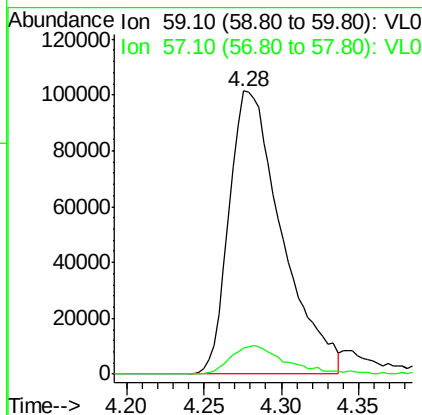
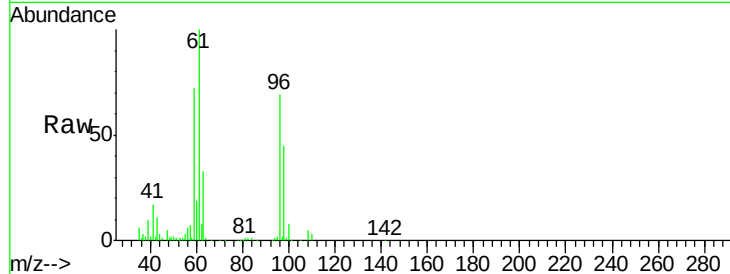
tert-Butyl alcohol
Concen: 1.364 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

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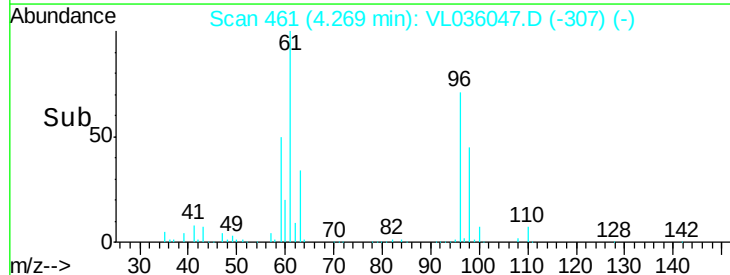
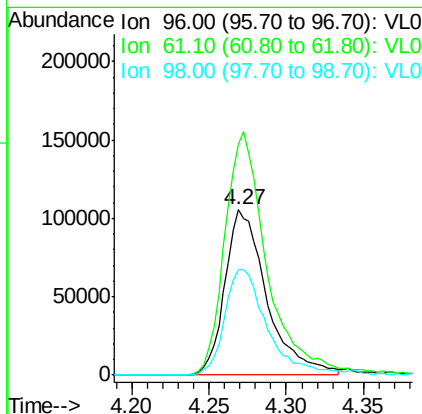
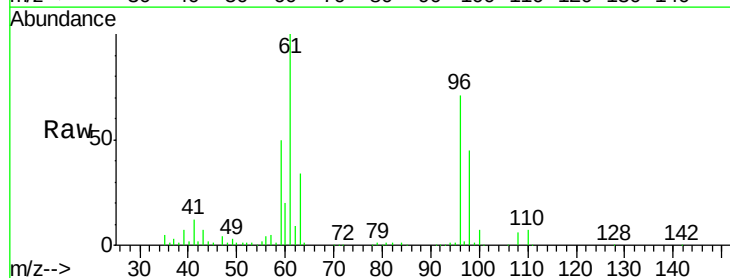
MMDadoda
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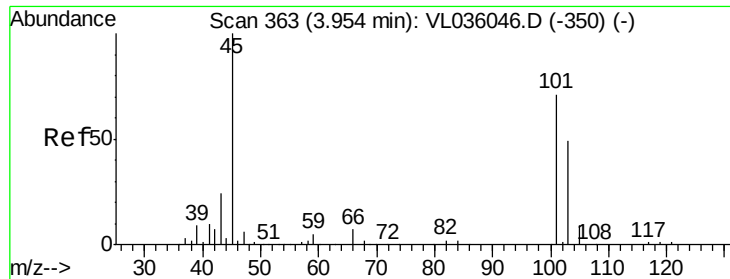


#18

1,1-Dichloroethene
Concen: 1.980 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	115.8	173.6
98	63.4	53.1	79.7





#19

Isopropyl Alcohol

Concen: 1.548 ppbv m

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 126322

Ion Ratio Lower Upper

45 100

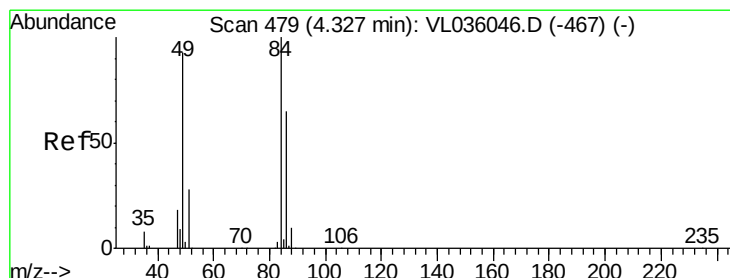
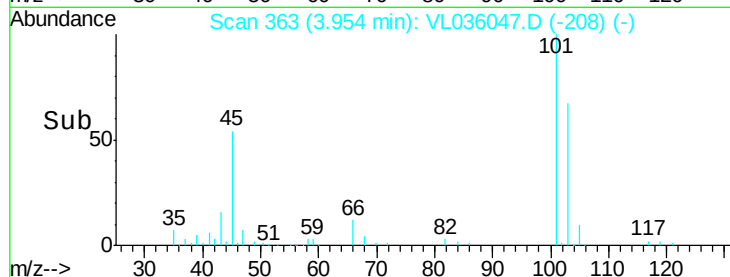
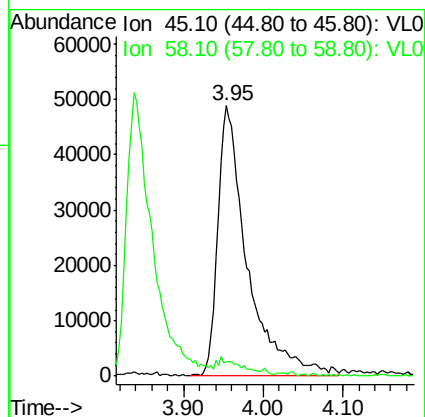
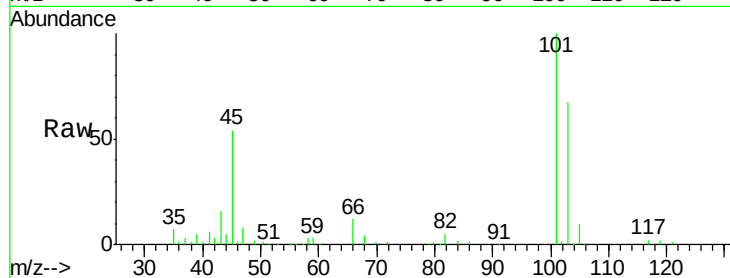
58 5.7 3.4 5.0#

Manual Integrations

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#20

Methylene Chloride

Concen: 2.602 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Tgt Ion: 84 Resp: 243164

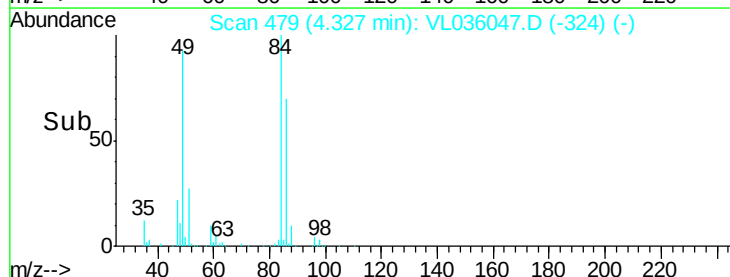
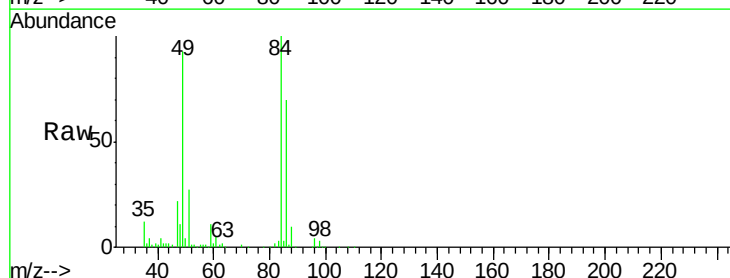
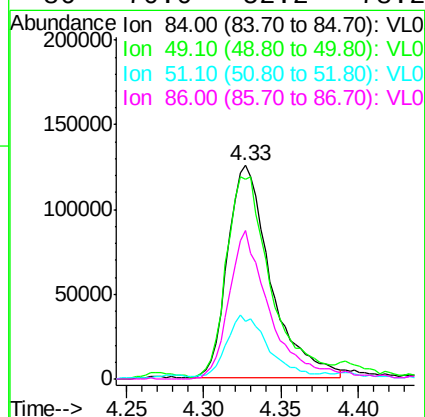
Ion Ratio Lower Upper

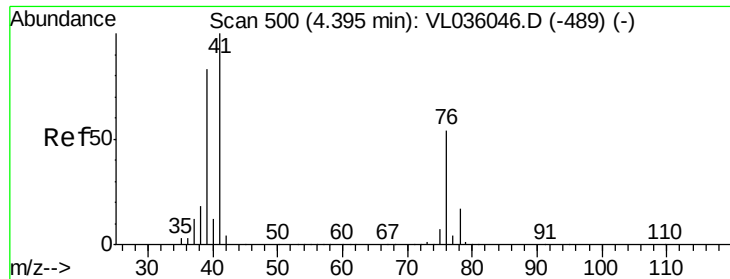
84 100

49 93.1 74.4 111.6

51 26.1 22.5 33.7

86 70.0 52.2 78.2





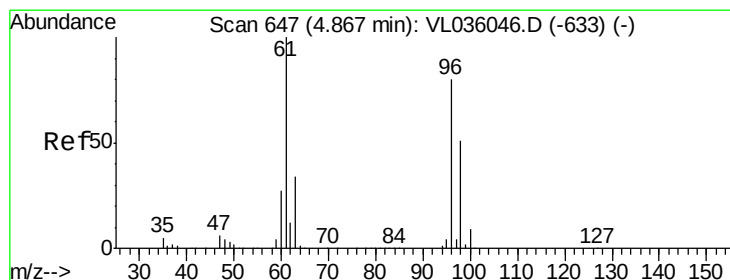
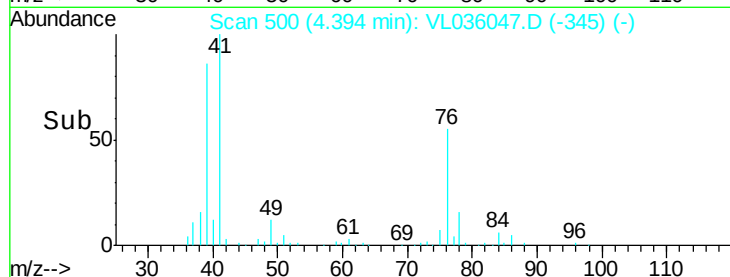
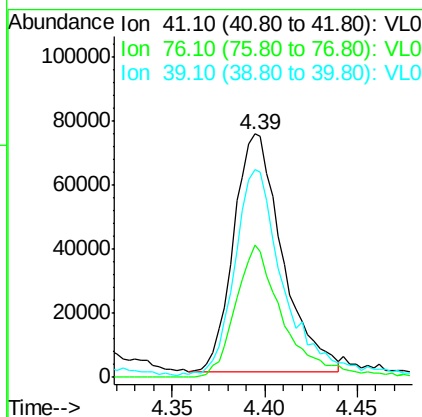
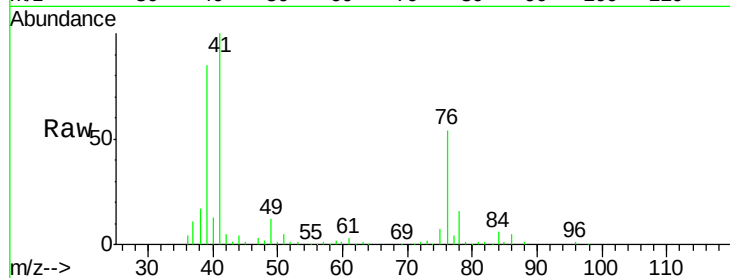
#21
Allvl Chloride
Concen: 1.890 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	54.8	42.4	63.6
39	88.4	69.0	103.6

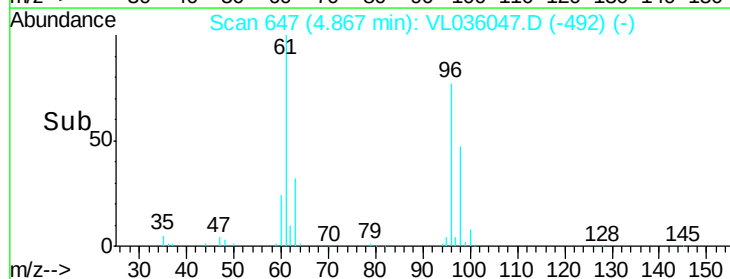
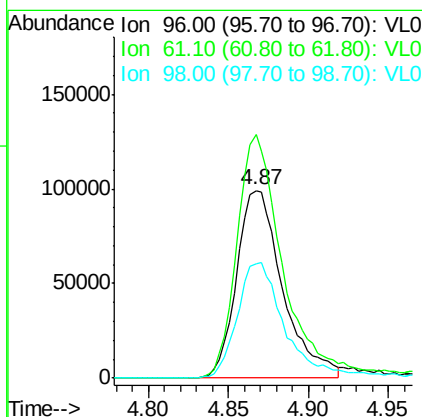
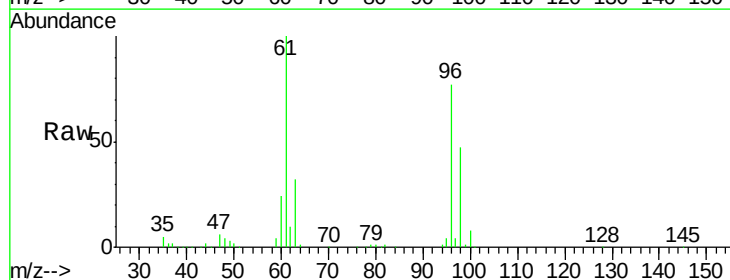
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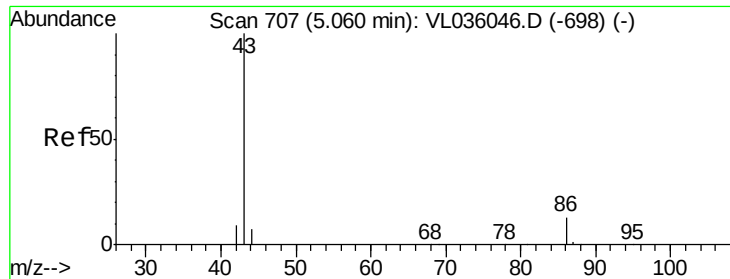
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 1.915 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.8	99.8	149.6
98	61.1	51.1	76.7





#23

Vinyl Acetate

Concen: 1.653 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

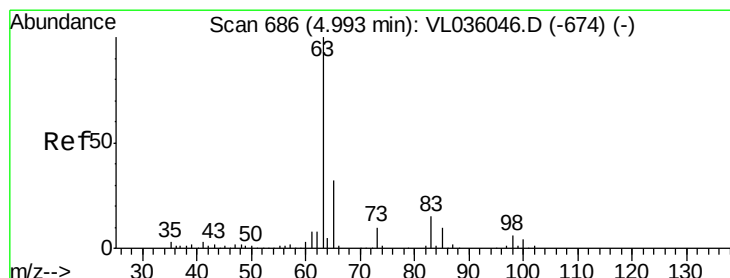
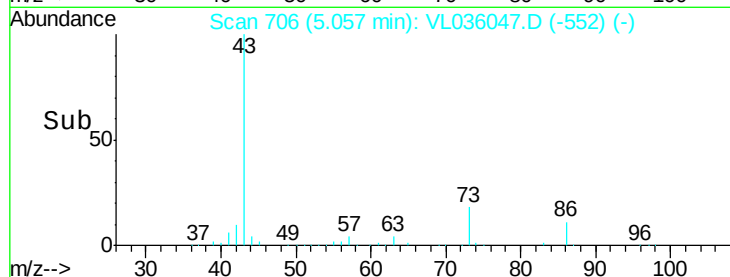
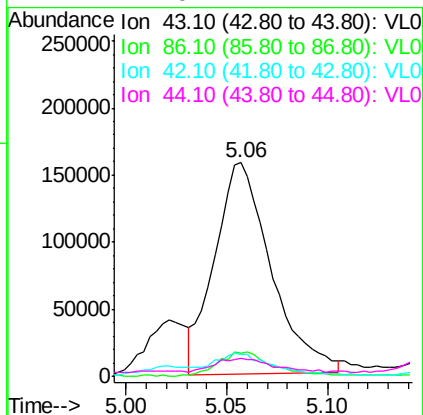
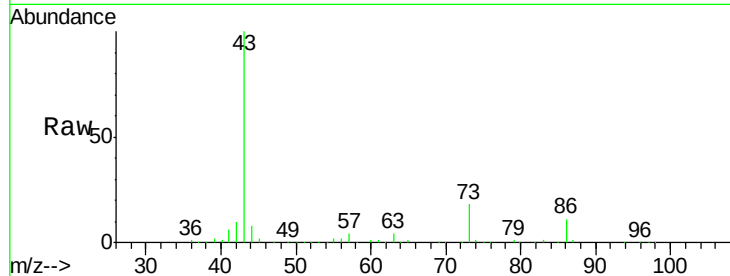
ClientSampleId :

VSTDIC002

Tot Ion	43	Resp	307647
Ion Ratio	Lower	Upper	
43	100		
86	11.1	9.3	13.9
42	9.4	8.1	12.1
44	7.0	4.7	7.1

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#24

1,1-Dichloroethane

Concen: 2.012 ppbv

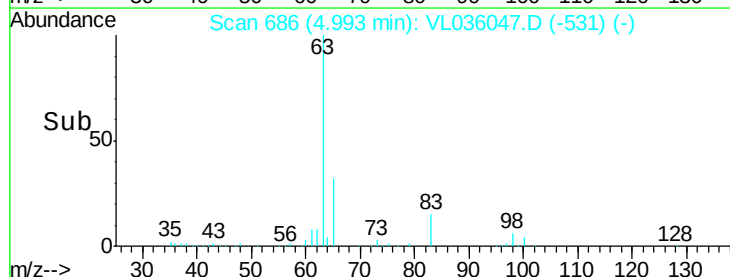
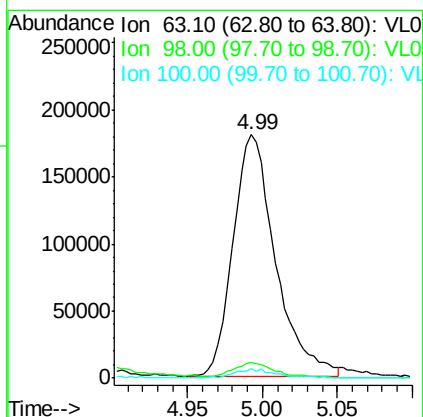
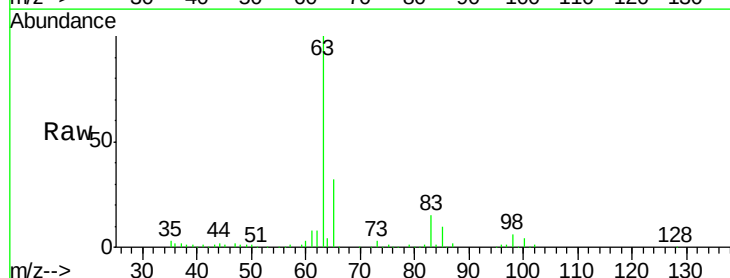
RT: 4.99 min Scan# 686

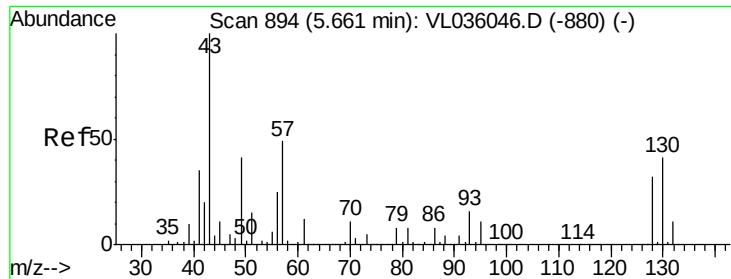
Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Tgt Ion	63	Resp	356696
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.1	9.3
100	3.6	1.9	5.7





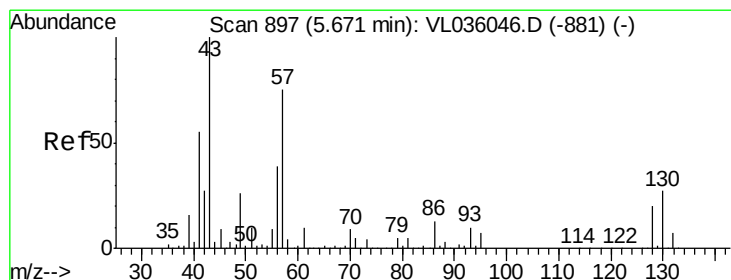
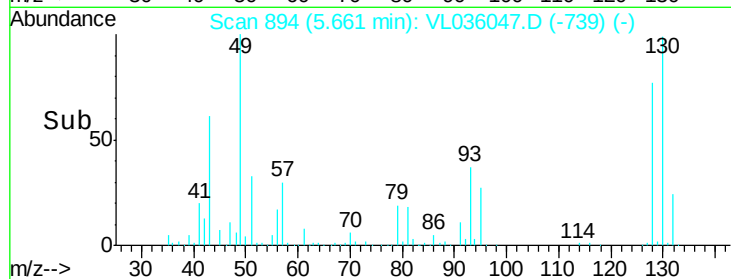
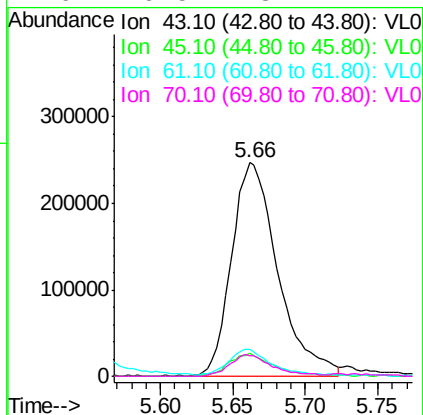
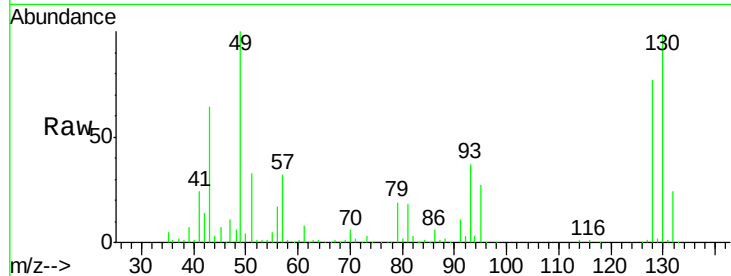
#25
Ethyl Acetate
Concen: 2.083 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	10.8	8.6	13.0	
61	12.5	10.6	16.0	
70	10.5	8.1	12.1	

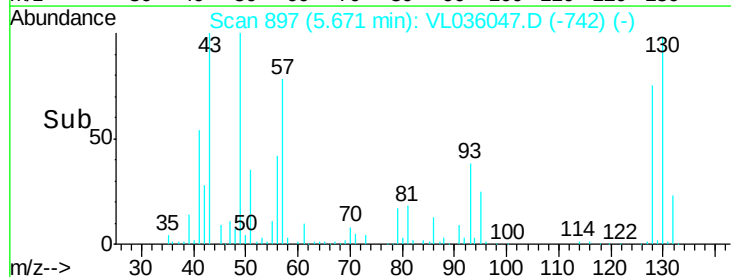
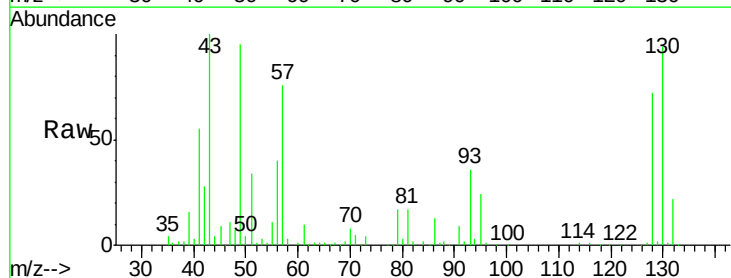
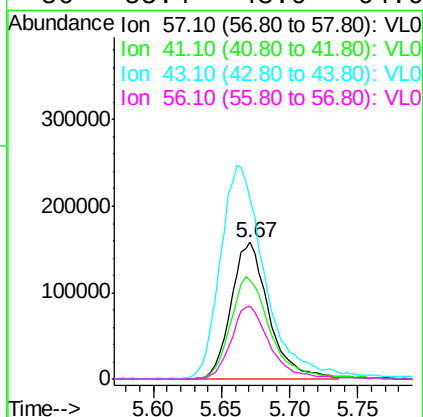
Manual Integrations
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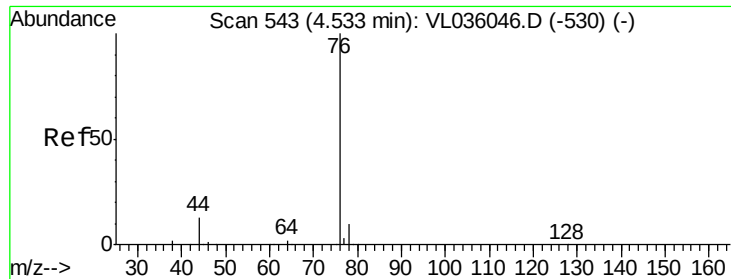
MMDadoda
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#26
Hexane
Concen: 2.100 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	57	Ratio	Lower	Upper
57	100			
41	80.6	61.6	92.4	
43	187.7	152.9	229.3	
56	55.4	43.0	64.6	





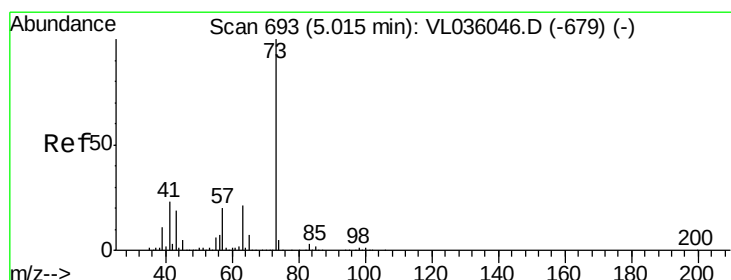
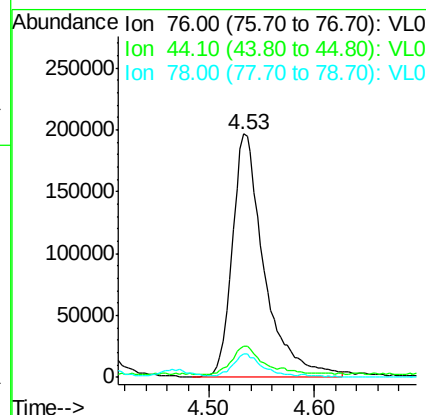
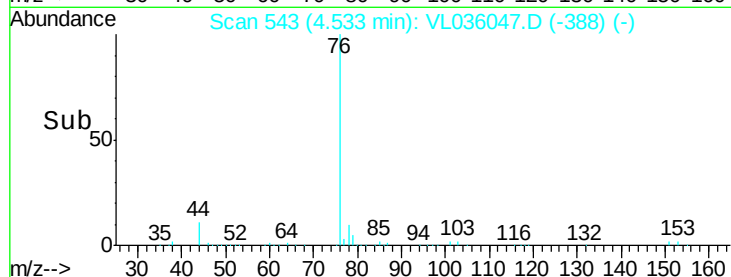
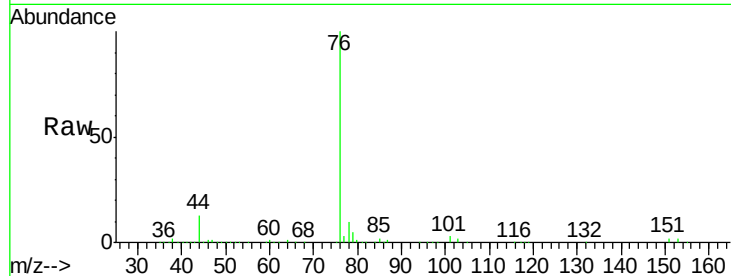
#27
Carbon Disulfide
Concen: 1.899 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	13.1	9.6	14.4
78	10.1	7.7	11.5

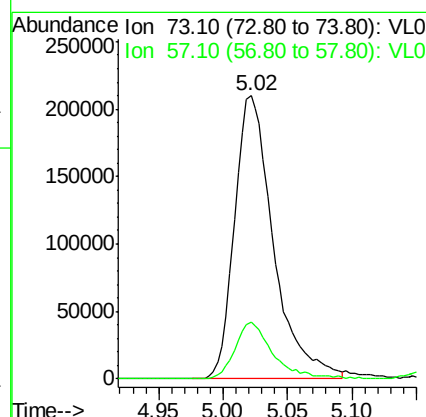
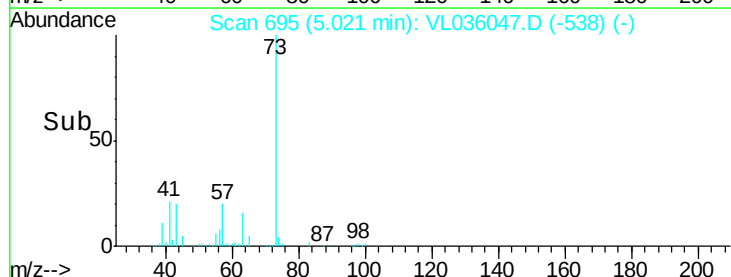
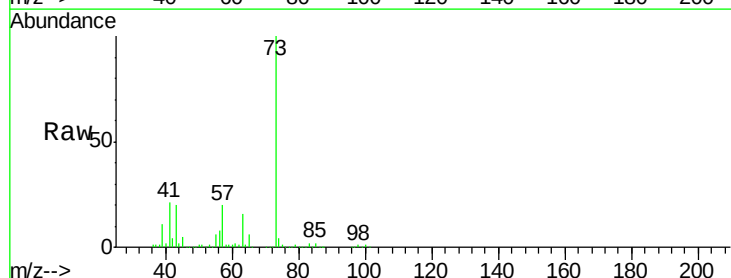
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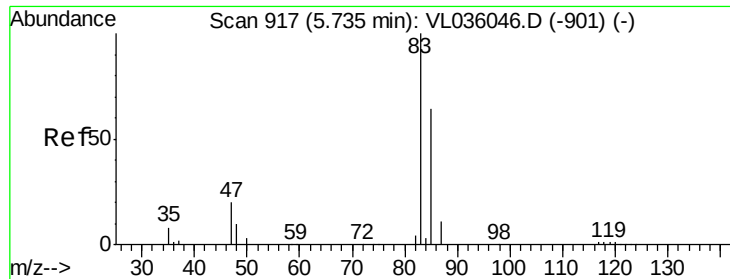
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 1.698 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.01 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.6	15.8	23.8





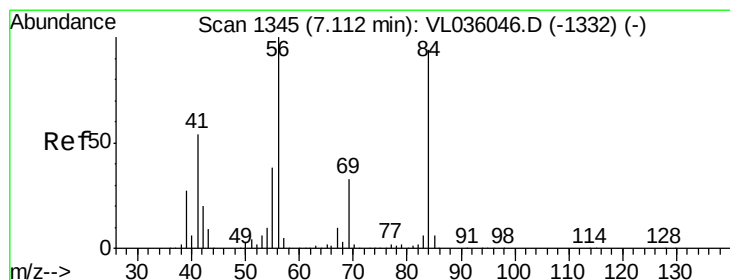
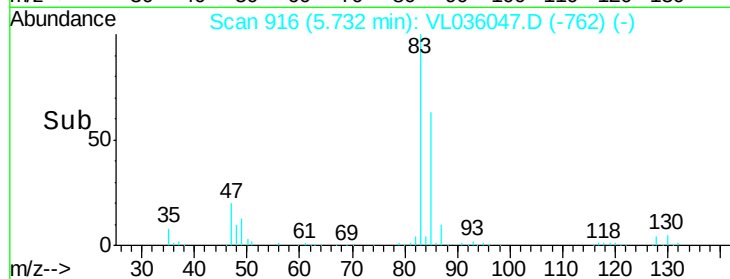
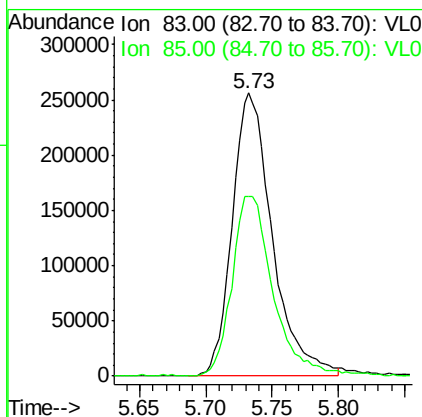
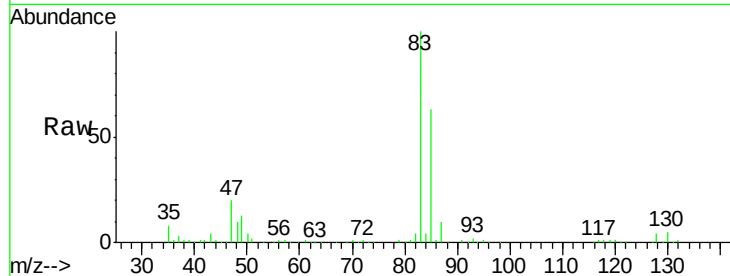
#29
Chloroform
Concen: 1.898 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	537919
Ion Ratio	100	Lower	Upper
85	63.1	51.6	77.4

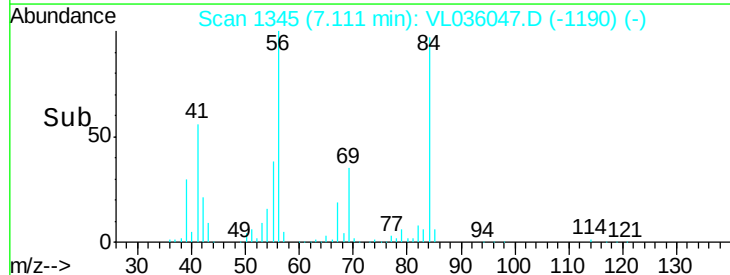
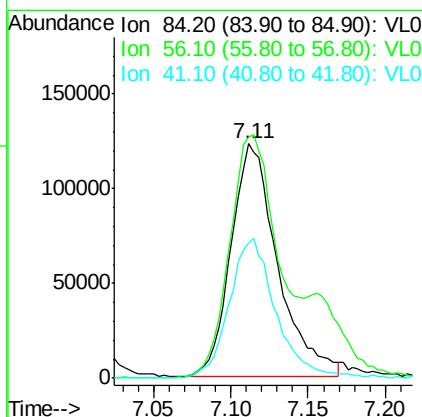
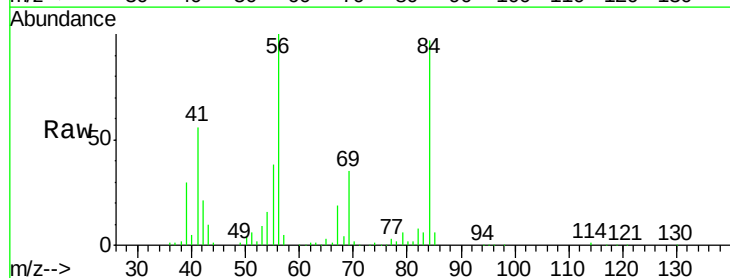
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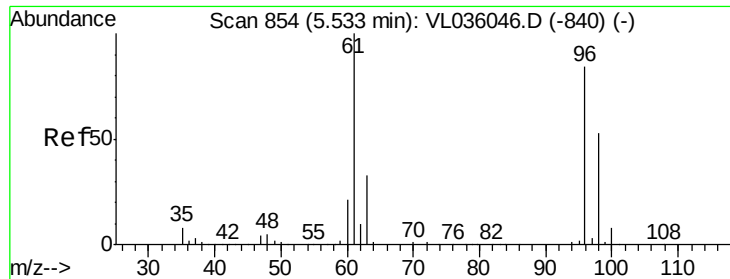
MMDadoda
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#30
Cyclohexane
Concen: 1.645 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	84	Resp	258354
Ion Ratio	100	Lower	Upper
56	138.0	89.9	134.9#
41	59.1	46.1	69.1





#31

cis-1,2-Dichloroethene

Concen: 1.741 ppbv

RT: 5.53 min Scan# 854

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

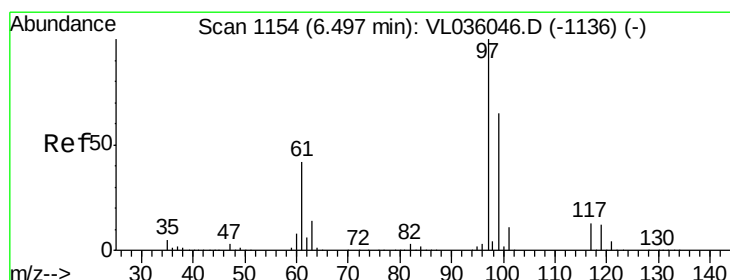
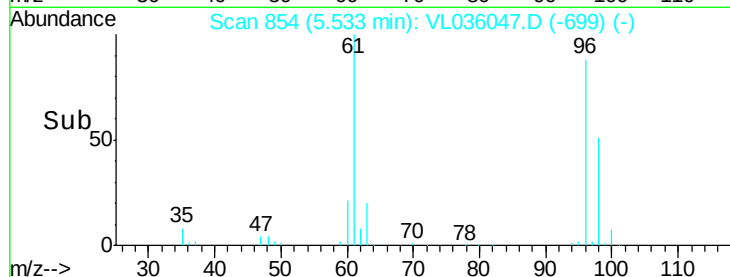
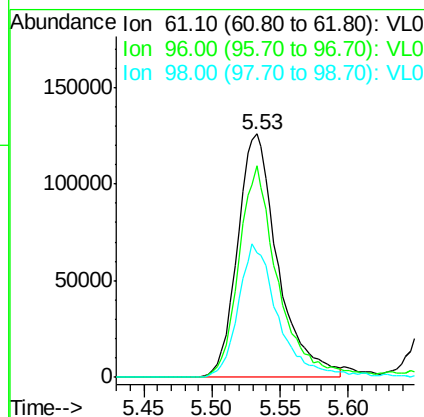
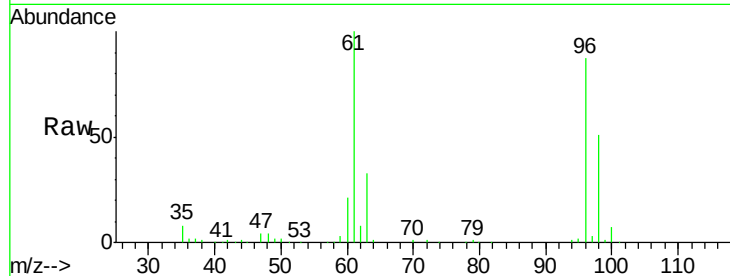
VSTDIC002

Tot Ion: 61 Resp: 258382

Ion	Ratio	Lower	Upper
61	100		
96	87.1	66.8	100.2
98	50.9	42.6	63.8

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#32

1,1,1-Trichloroethane

Concen: 1.610 ppbv

RT: 6.49 min Scan# 1152

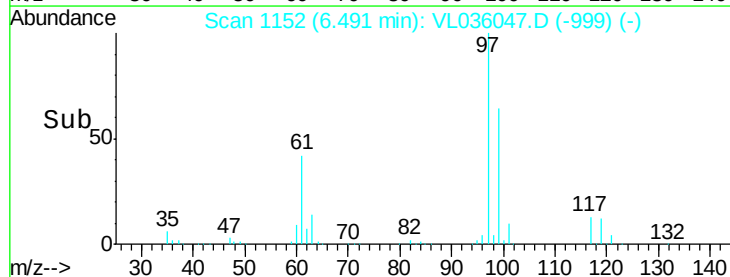
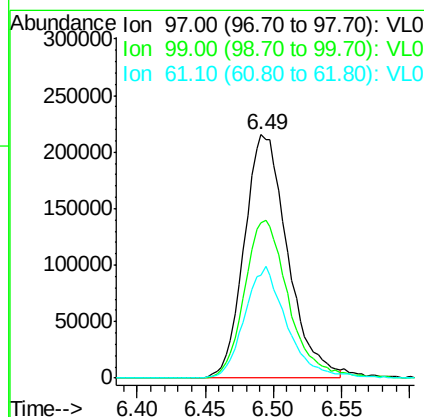
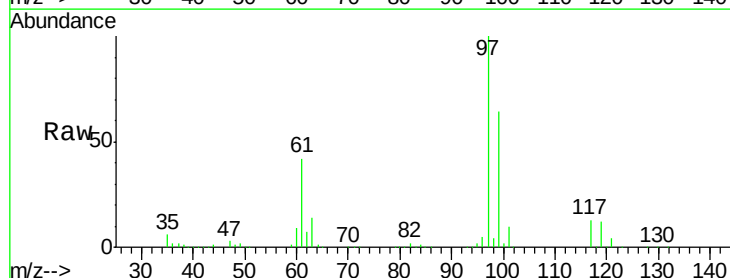
Delta R.T. -0.01 min

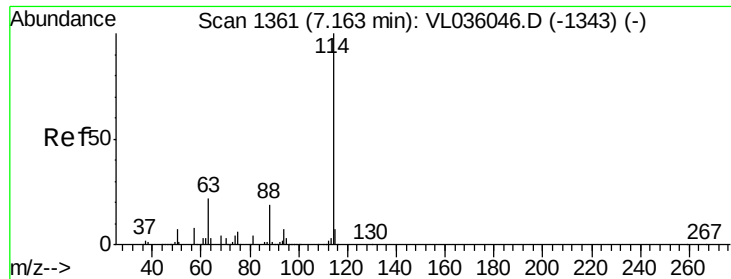
Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Tgt Ion: 97 Resp: 476390

Ion	Ratio	Lower	Upper
97	100		
99	66.2	52.4	78.6
61	45.2	34.7	52.1





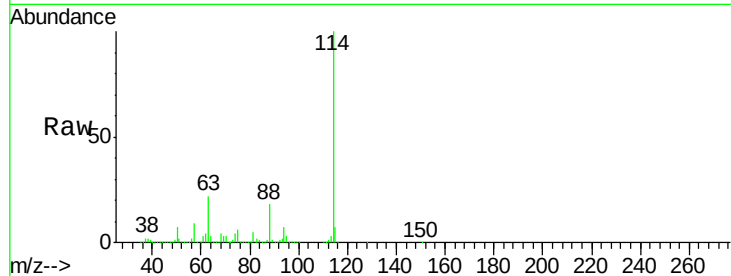
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

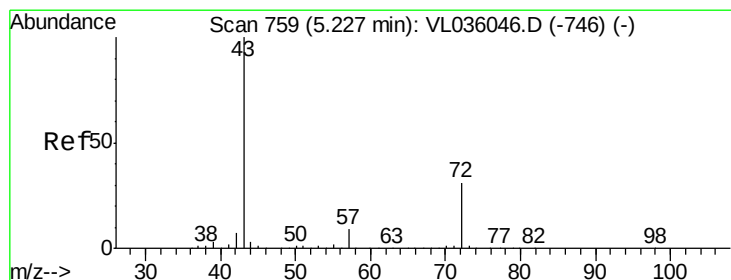
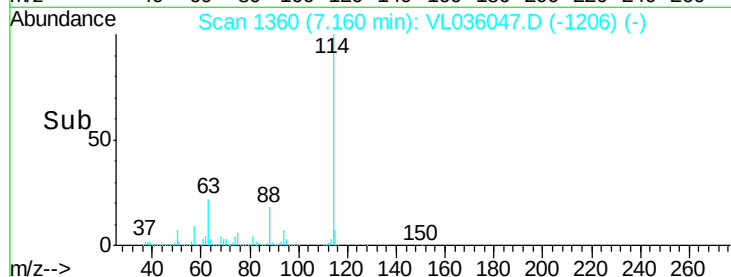
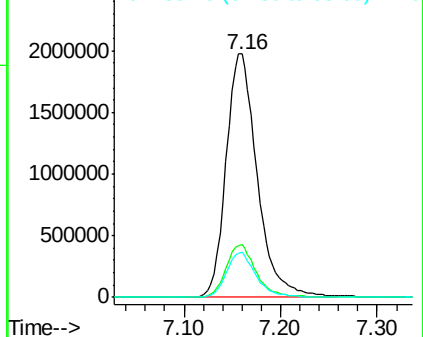
Tot Ion:114 Resp: 4412156
 Ion Ratio Lower Upper
 114 100
 63 21.1 17.2 25.8
 88 17.6 14.0 21.0

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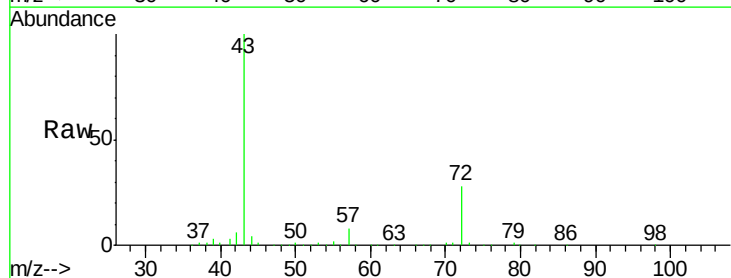


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

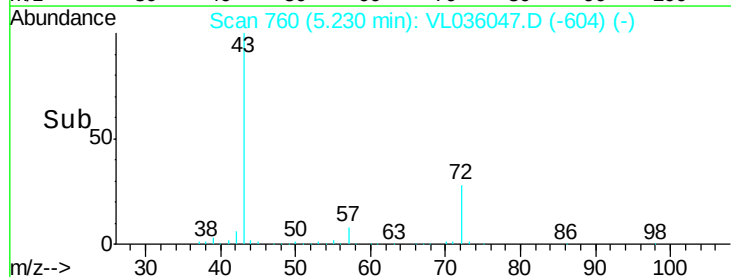
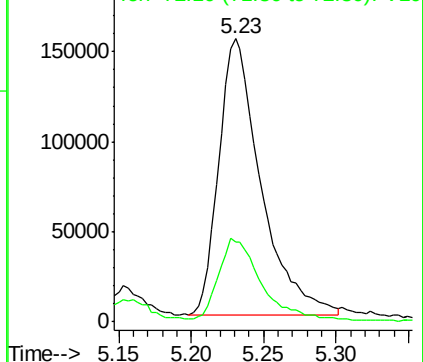


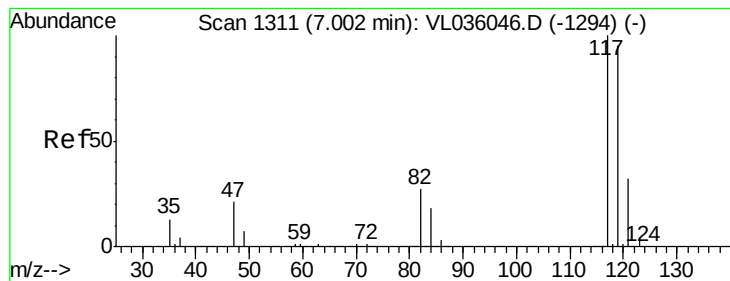
#34
 2-Butanone
 Concen: 2.170 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Tgt Ion: 43 Resp: 310787
 Ion Ratio Lower Upper
 43 100
 72 32.3 24.5 36.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.991 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:117 Resp: 469296

Ion Ratio Lower Upper

117 100

119 93.6 75.9 113.9

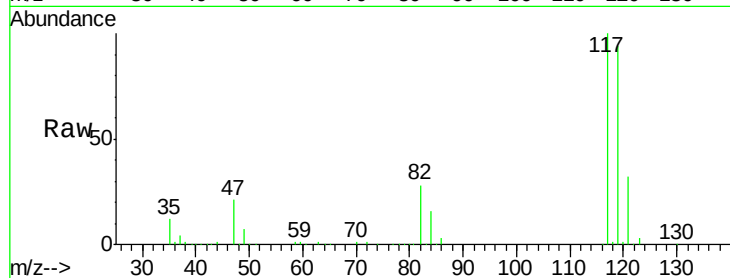
121 31.8 25.8 38.8

Manual Integrations

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MMDadoda

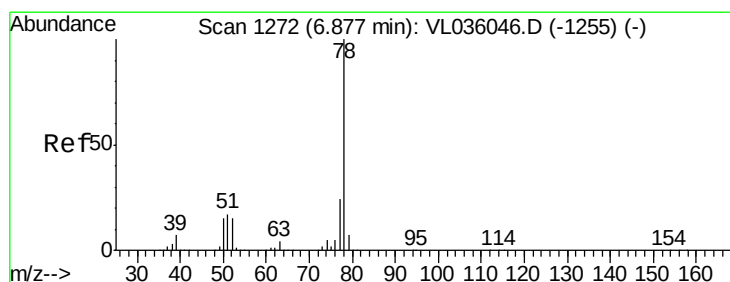
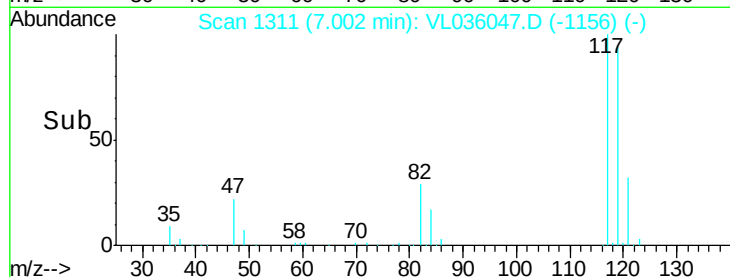
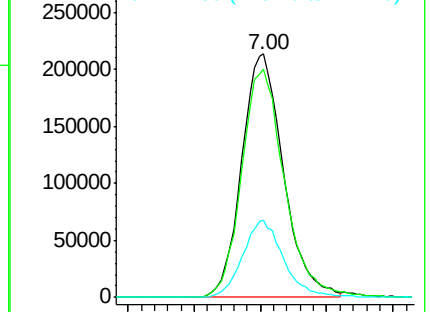
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 1.987 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

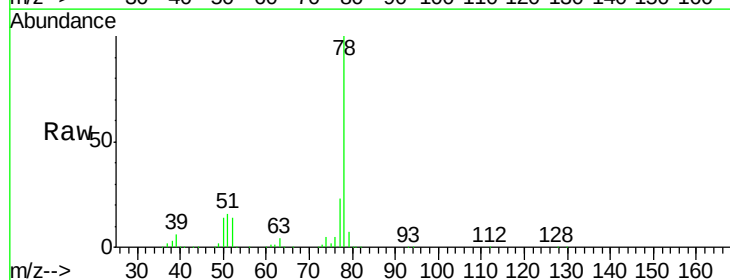
Tgt Ion: 78 Resp: 651861

Ion Ratio Lower Upper

78 100

77 22.8 19.1 28.7

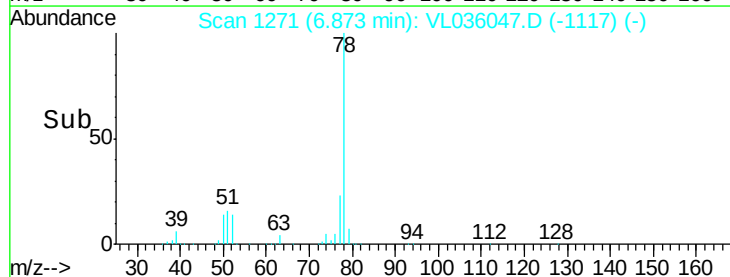
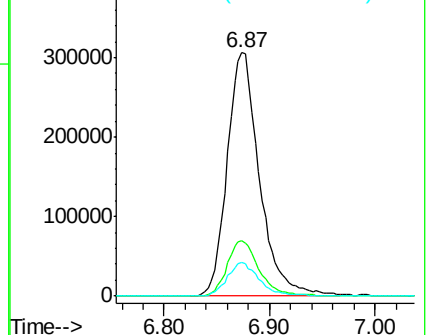
50 14.1 12.0 18.0

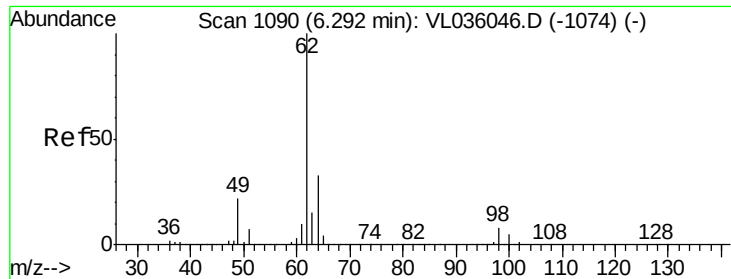


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





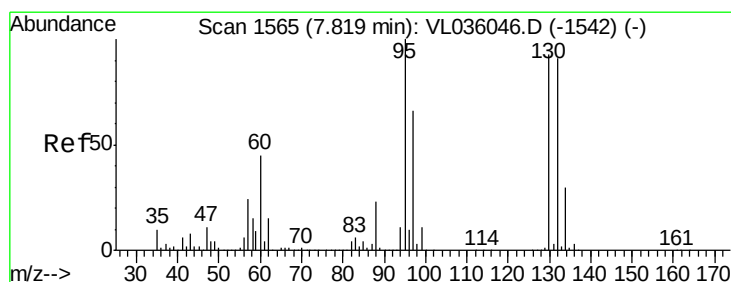
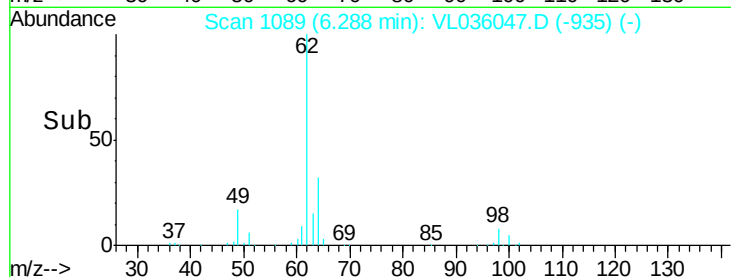
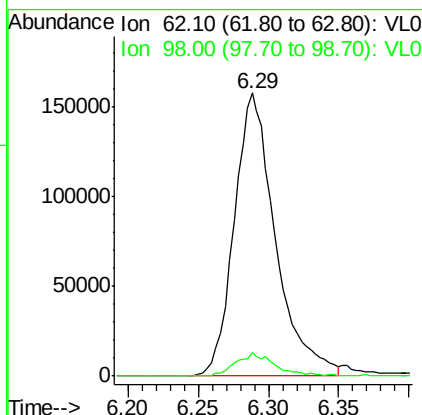
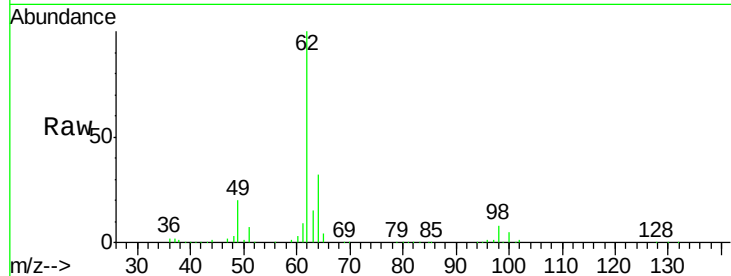
#37
 1,2-Dichloroethane
 Concen: 2.175 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	323269		
98	8.0		6.4	9.6

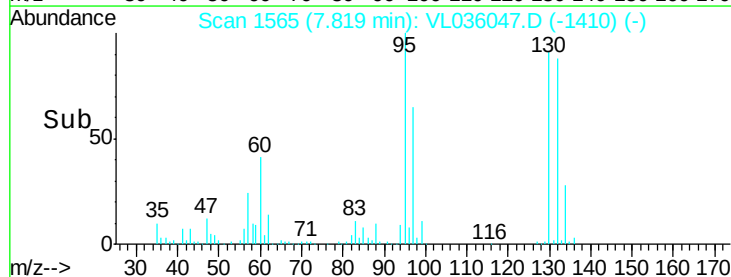
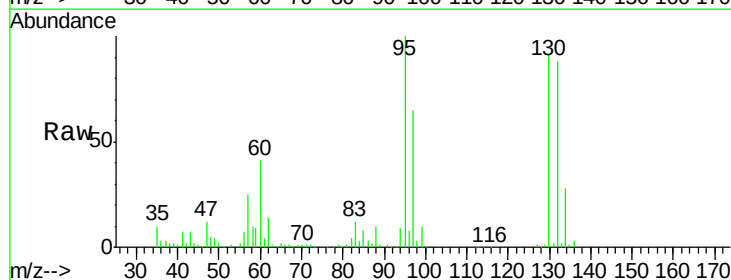
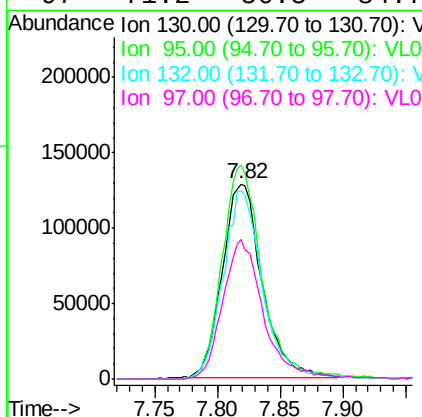
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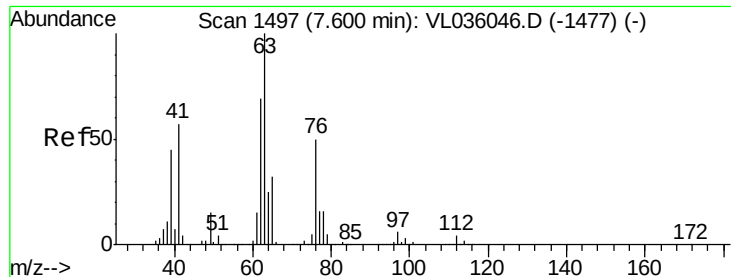
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#38
 Trichloroethene
 Concen: 1.760 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	282046		
95	109.4		86.1	129.1
132	96.7		78.6	118.0
97	71.2		56.5	84.7





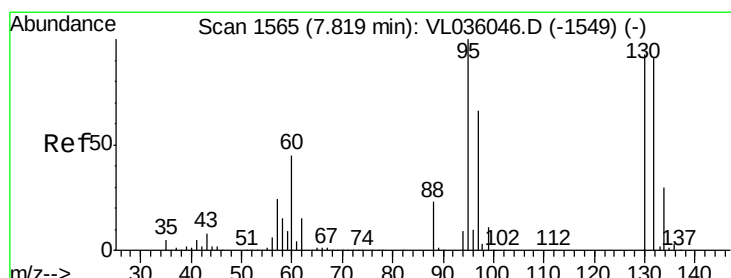
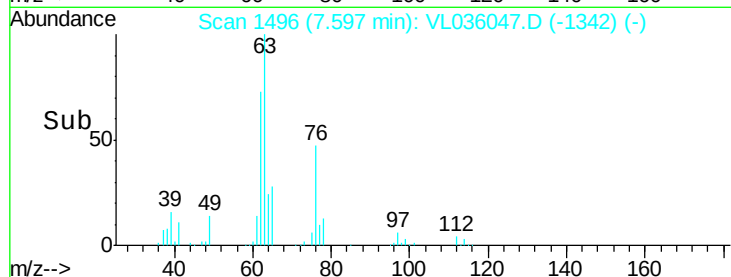
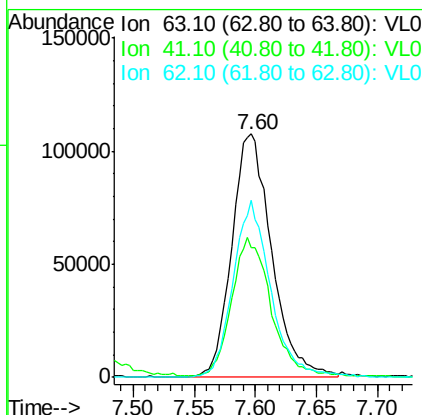
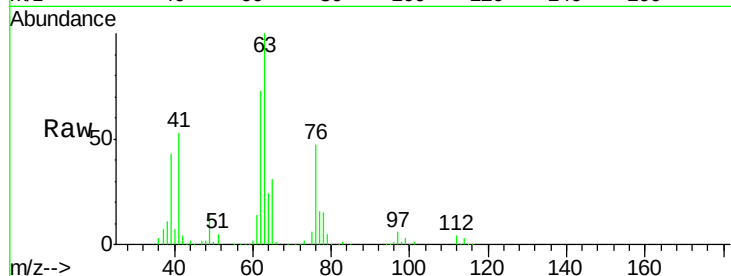
#39
 1,2-Dichloropropane
 Concen: 2.189 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	52.7	45.4	68.0
62	72.5	55.3	82.9

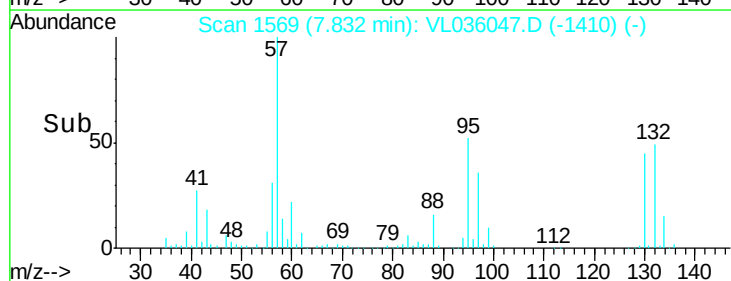
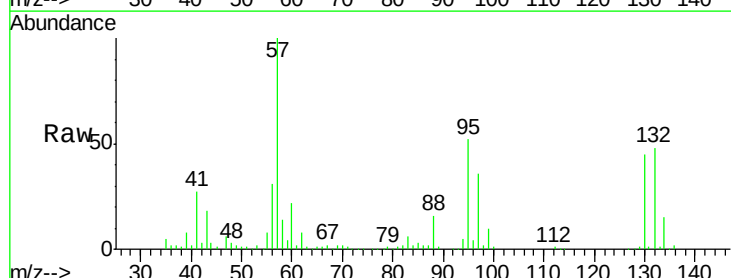
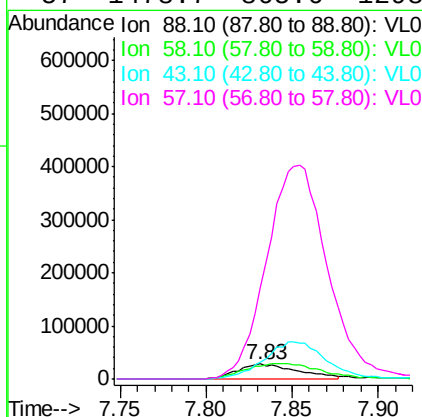
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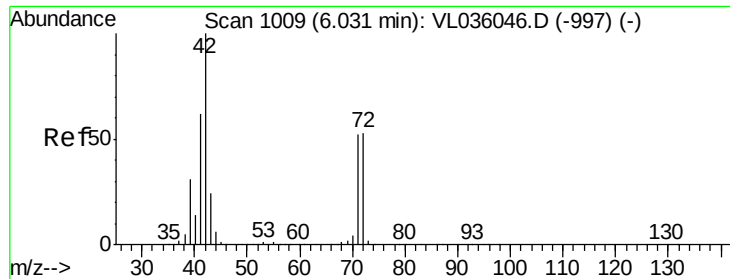
MMDadoda
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#40
 1,4-Dioxane
 Concen: 1.299 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	137.4	91.0	136.6#
43	263.4	163.3	244.9#
57	1478.7	865.6	1298.4#





#41

Tetrahydrofuran

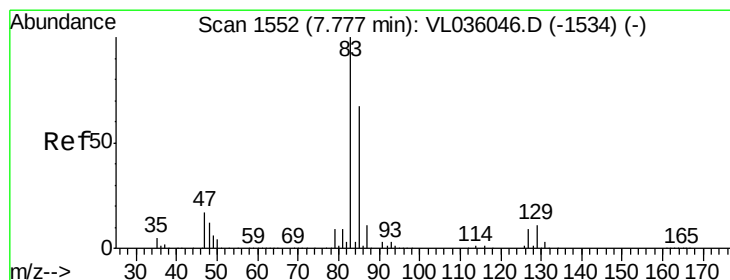
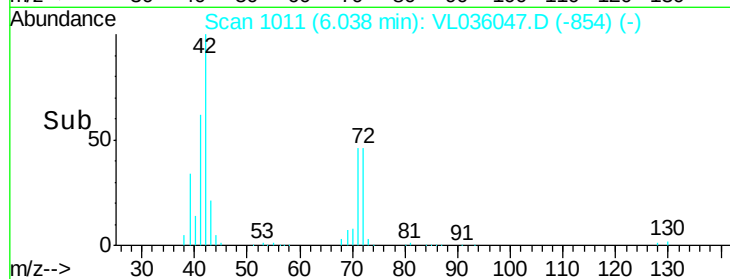
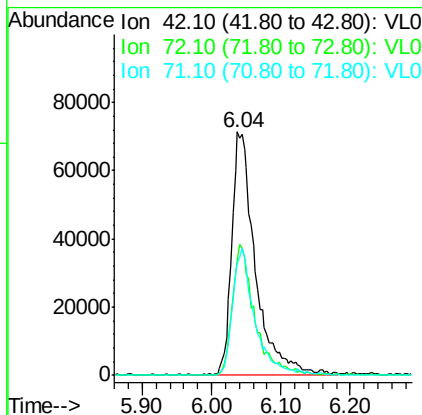
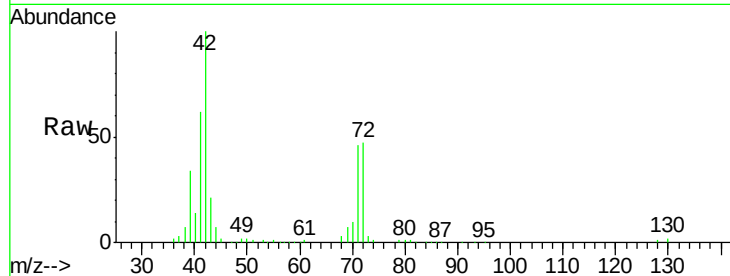
Concen: 2.092 ppbv m
RT: 6.04 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.3	42.7	64.1
71	49.1	41.0	61.4

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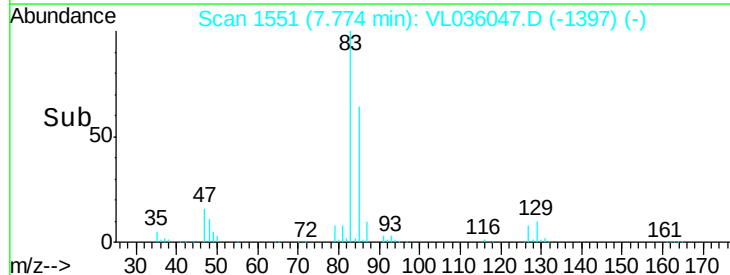
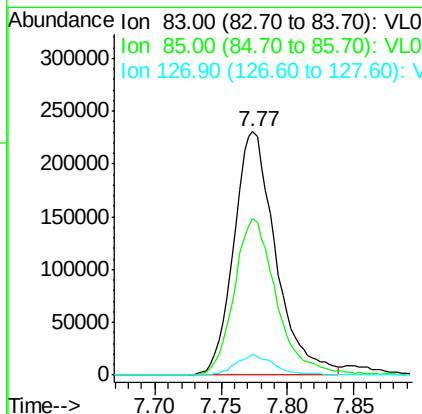
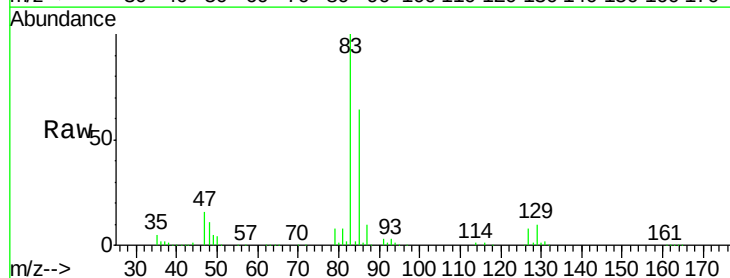


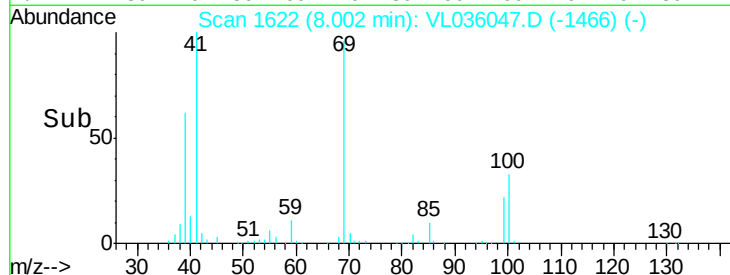
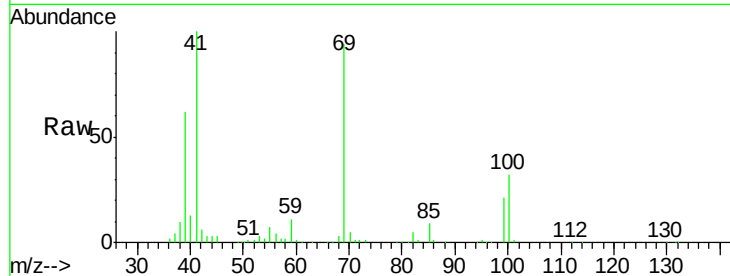
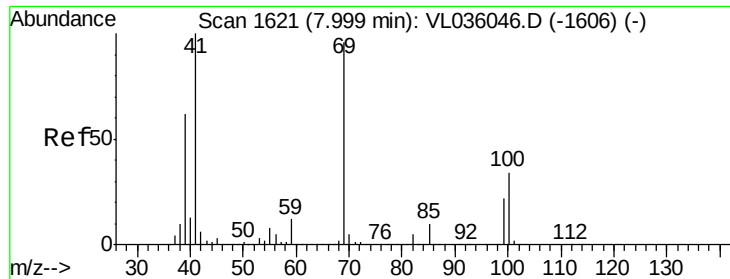
#42

Bromodichloromethane

Concen: 2.028 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.7	80.5
127	8.4	7.0	10.6





#43

Methyl Methacrylate

Concen: 1.878 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Tot Ion:	69	Resp:	234953
Ion	Ratio	Lower	Upper
69	100		
41	109.1	86.5	129.7
100	35.6	29.0	43.6

Instrument :

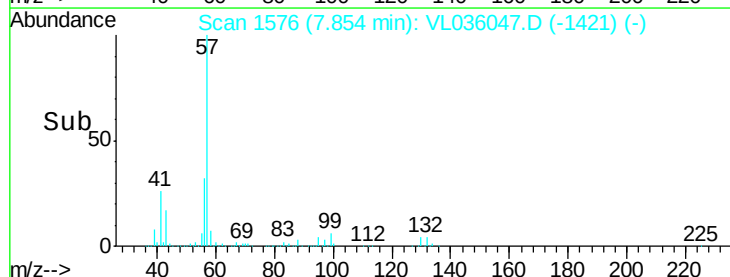
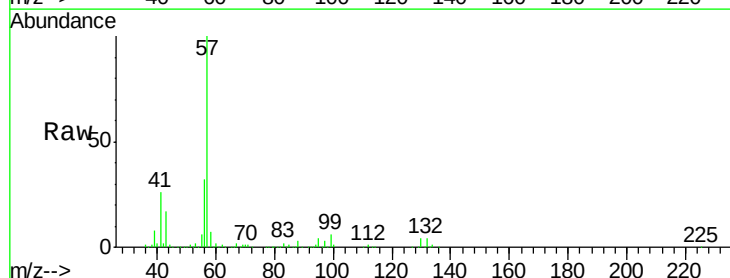
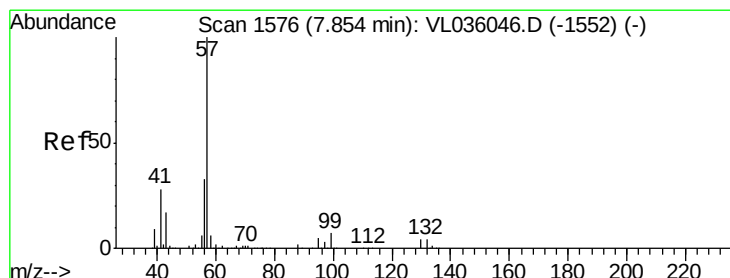
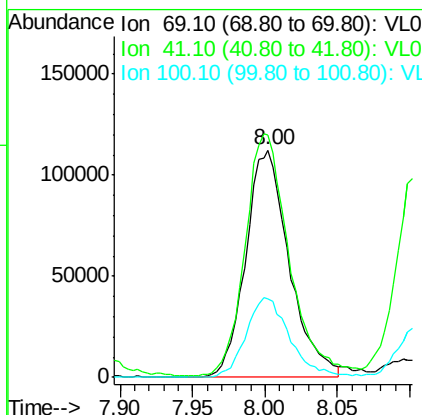
MSVOA_L

ClientSampleId :

VSTDIC002

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 2.299 ppbv

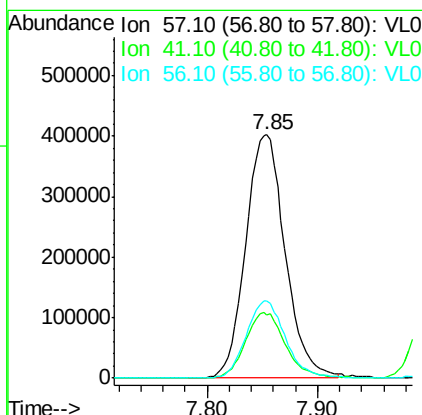
RT: 7.85 min Scan# 1576

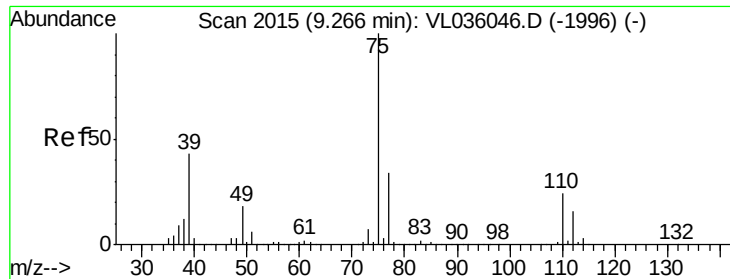
Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Tgt Ion:	57	Resp:	997998
Ion	Ratio	Lower	Upper
57	100		
41	27.1	21.9	32.9
56	31.6	25.8	38.6





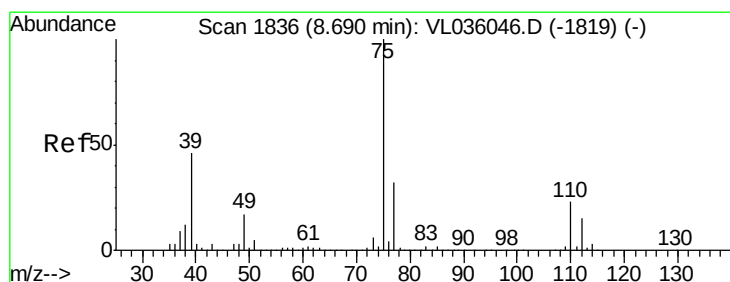
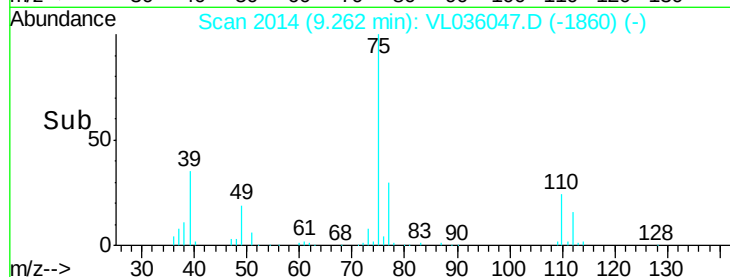
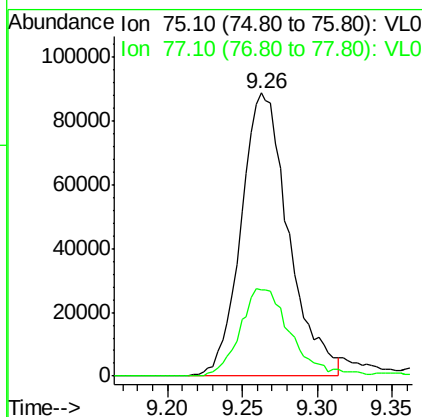
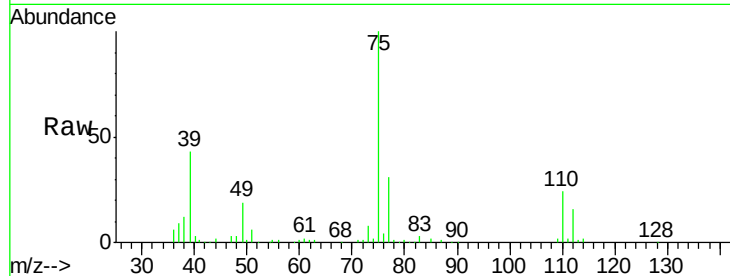
#45
t-1,3-Dichloropropene
Concen: 1.479 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 75 Resp: 196140
Ion Ratio Lower Upper
75 100
77 30.5 26.8 40.2

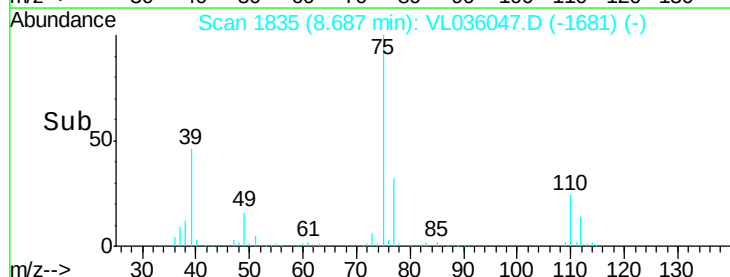
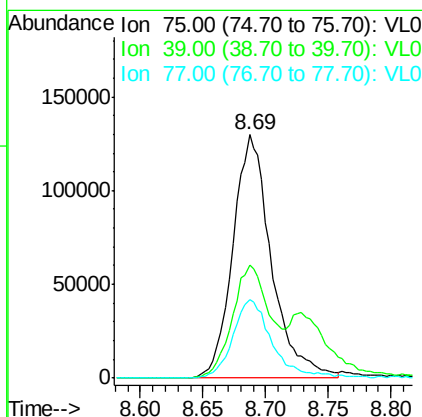
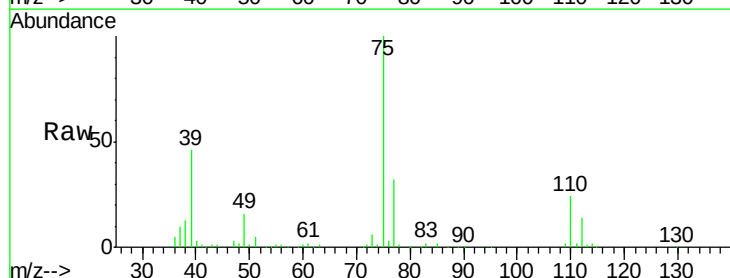
Manual Integrations
APPROVED

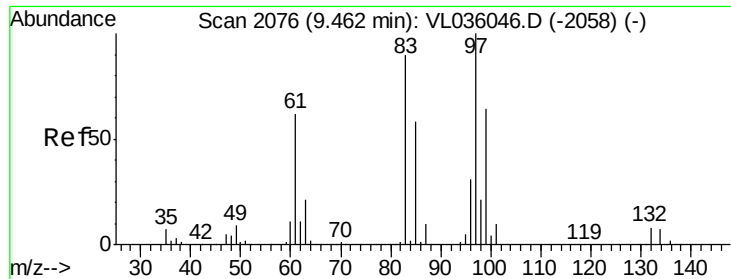
MMDadoda
12/7/2020 12:08:11 PM



#46
cis-1,3-Dichloropropene
Concen: 1.648 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion: 75 Resp: 276879
Ion Ratio Lower Upper
75 100
39 45.8 37.0 55.4
77 32.1 25.5 38.3





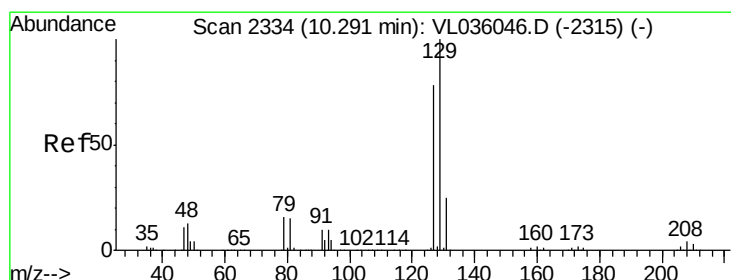
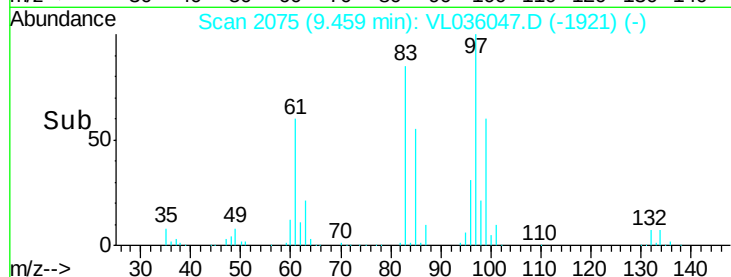
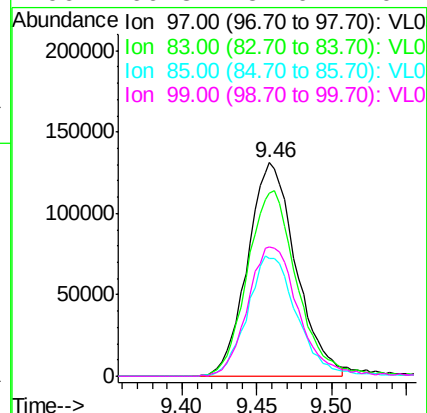
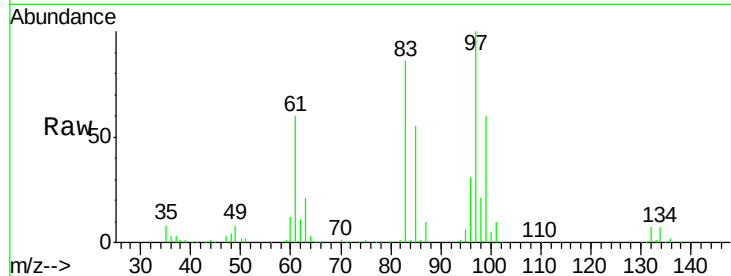
#47
 1,1,2-Trichloroethane
 Concen: 1.957 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.6	72.1	108.1
85	55.2	46.6	69.8
99	60.3	51.0	76.4

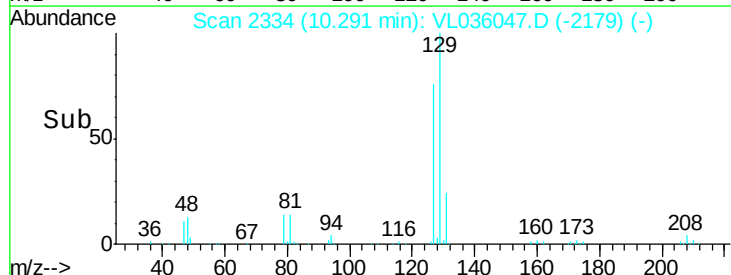
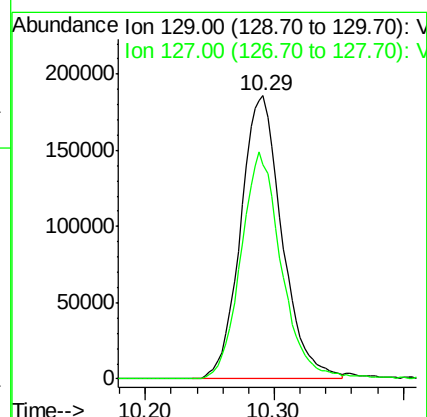
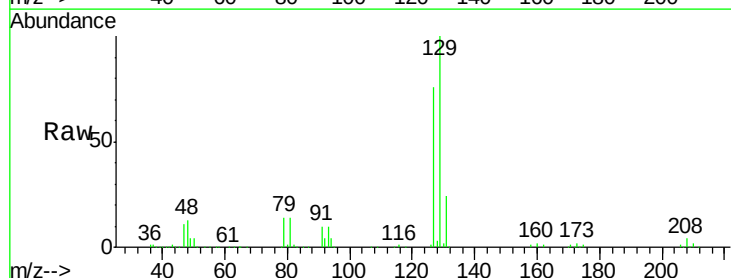
Manual Integrations
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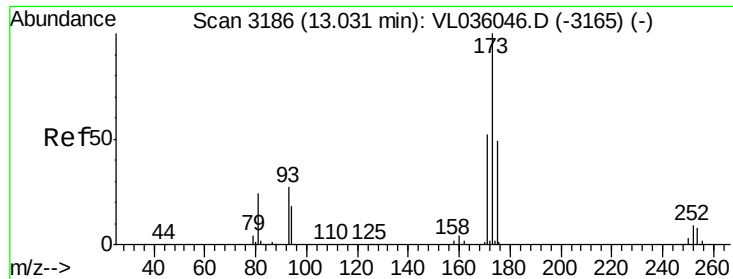
MMDadoda
 12/7/2020 12:08:11 PM



#48
 Dibromochloromethane
 Concen: 1.805 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.4	118.2





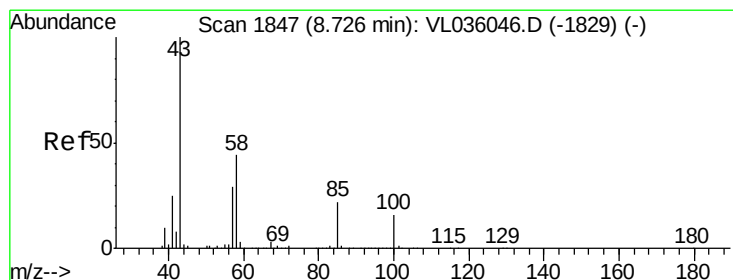
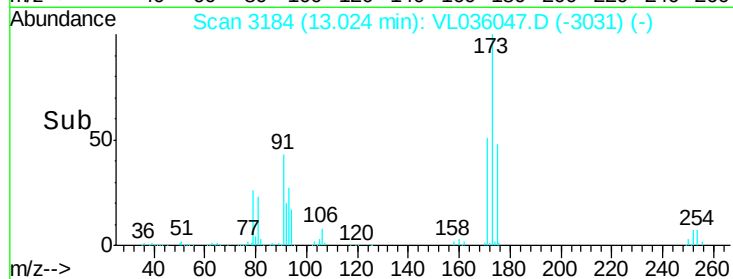
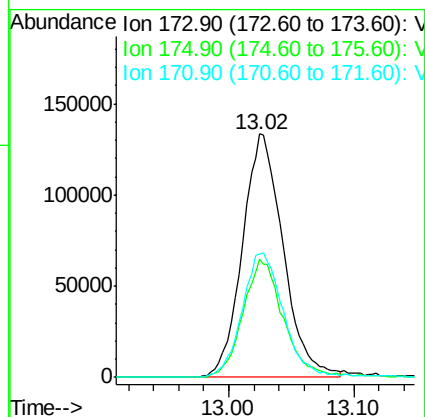
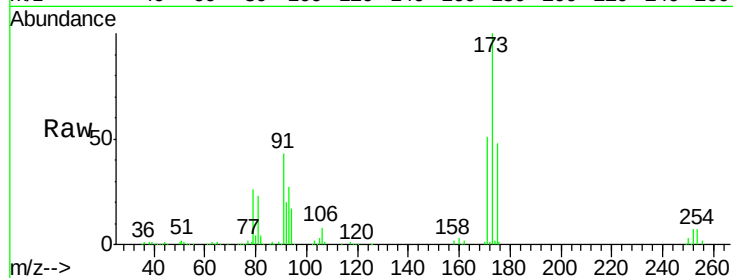
#49
Bromoform
Concen: 1.555 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.01 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.5	59.3
171	53.0	42.6	63.8

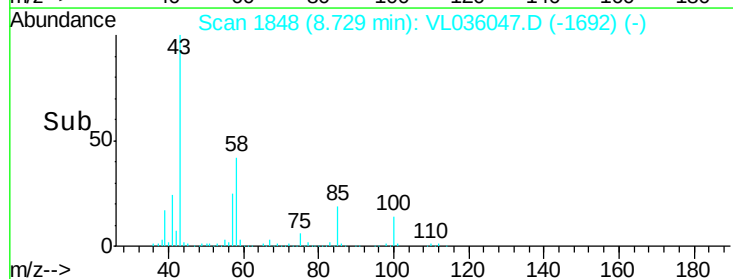
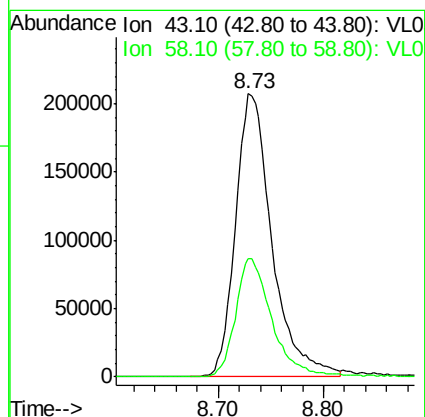
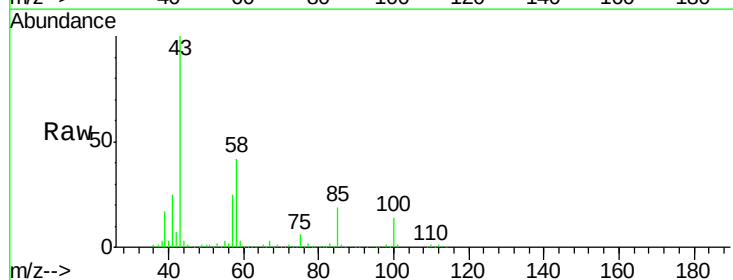
Manual Integrations
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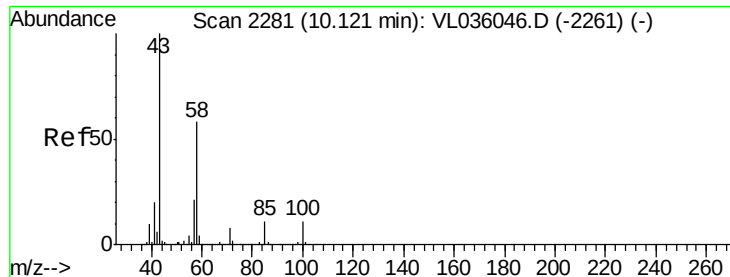
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12/7/2020 12:08:11 PM



#50
4-Methyl-2-Pentanone
Concen: 2.272 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.2	34.7	52.1





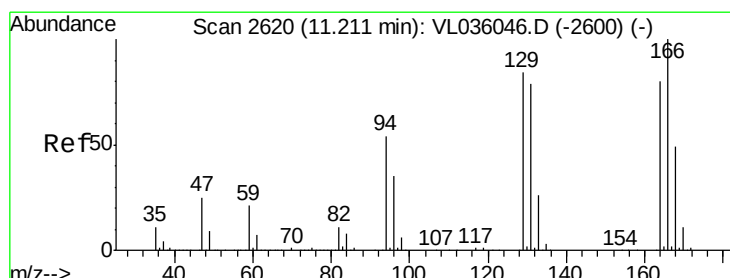
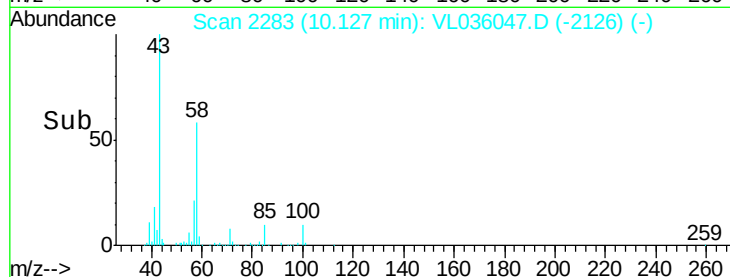
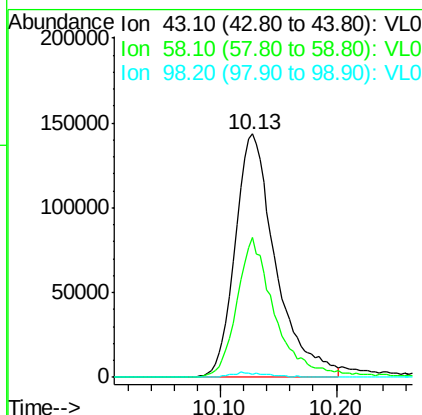
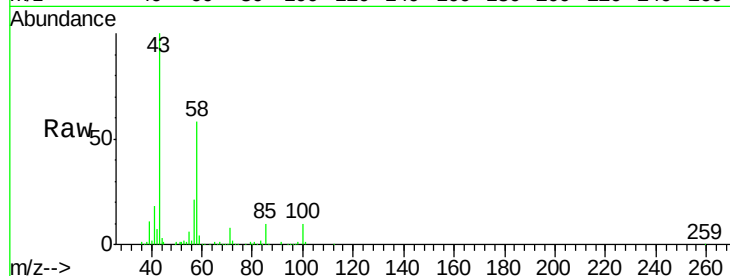
#51
2-Hexanone
Concen: 1.978 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	45.7	68.5
98	2.1	0.8	1.2

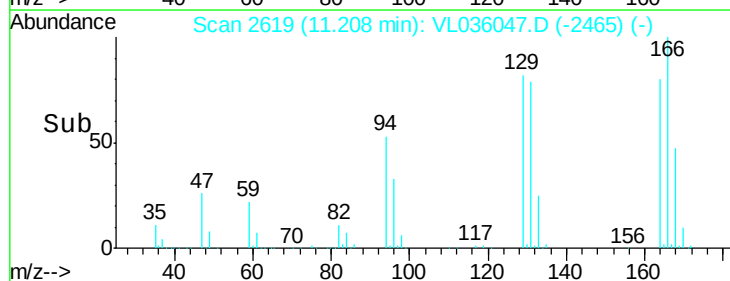
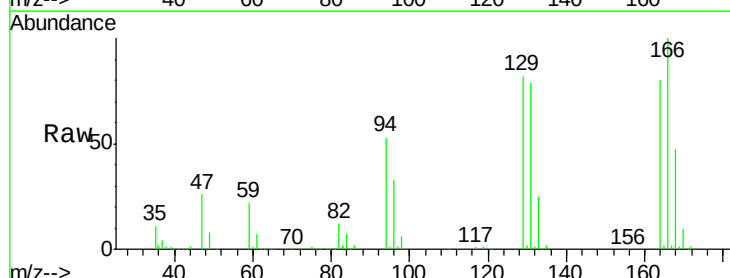
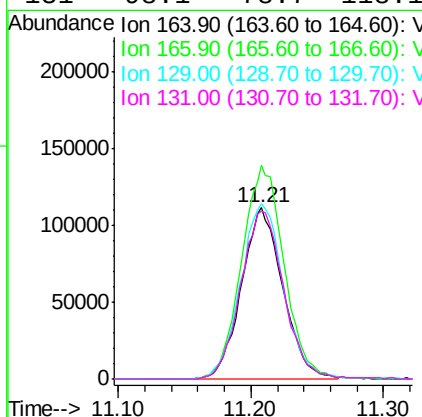
Manual Integrations
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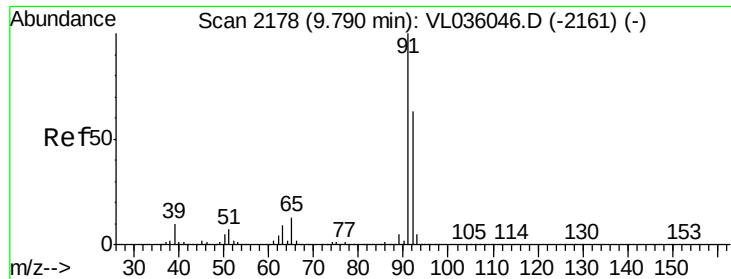
MMDadoda
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#52
Tetrachloroethene
Concen: 1.551 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.2	150.2
129	102.6	83.7	125.5
131	98.1	78.7	118.1





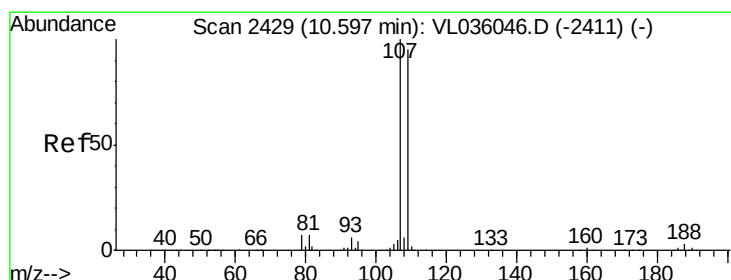
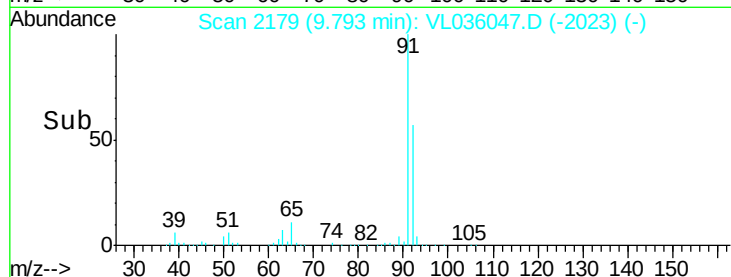
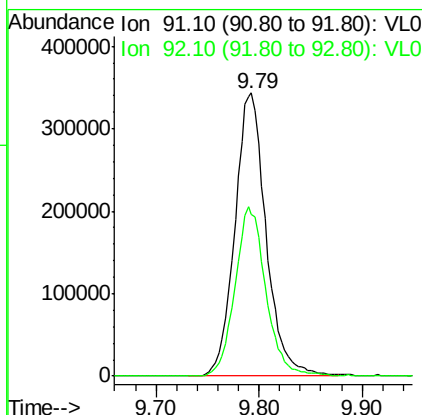
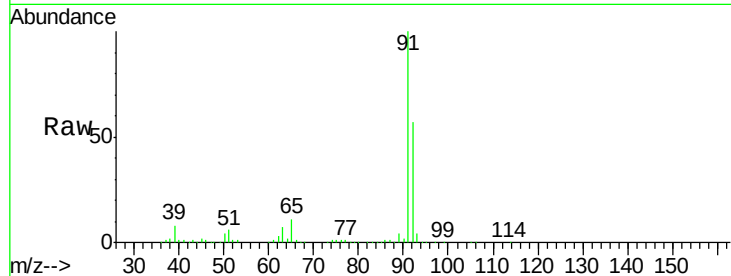
#53
Toluene
Concen: 1.831 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 724790
Ion Ratio Lower Upper
91 100
92 59.3 49.3 73.9

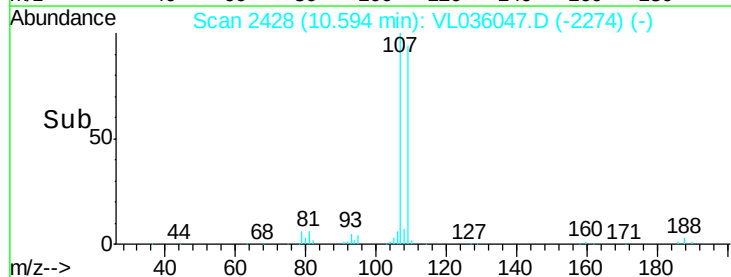
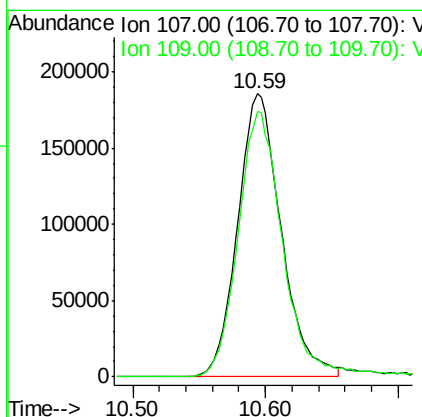
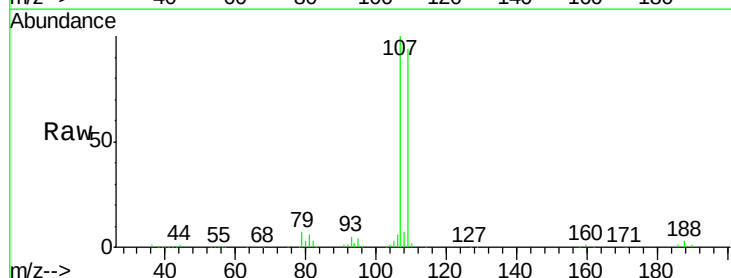
Manual Integrations
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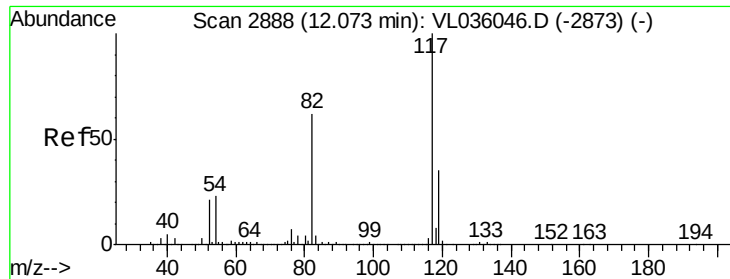
MMDadoda
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#54
1,2-Dibromoethane
Concen: 1.847 ppbv
RT: 10.59 min Scan# 2428
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion: 107 Resp: 422771
Ion Ratio Lower Upper
107 100
109 93.8 75.7 113.5





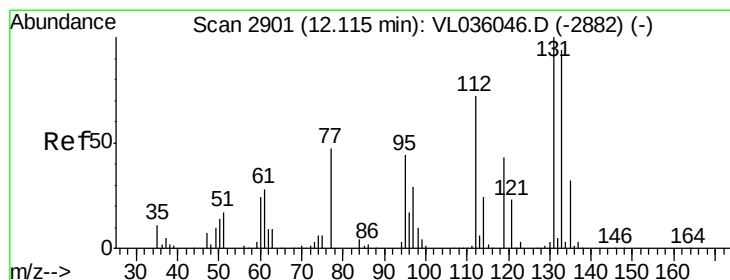
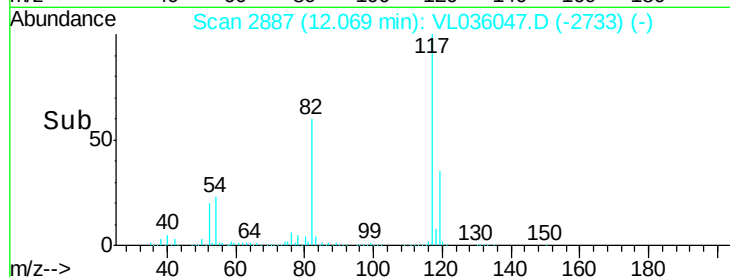
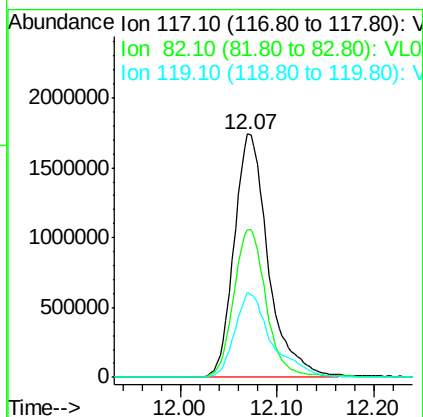
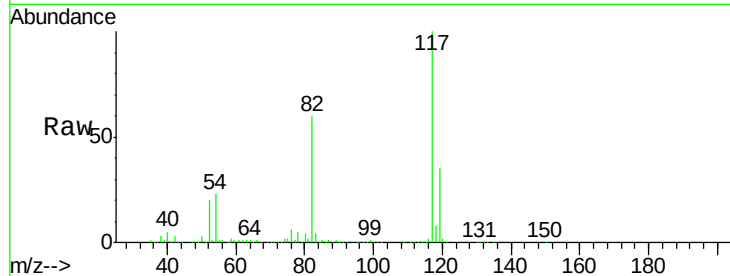
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	49.9	74.9
119	37.7	28.7	43.1

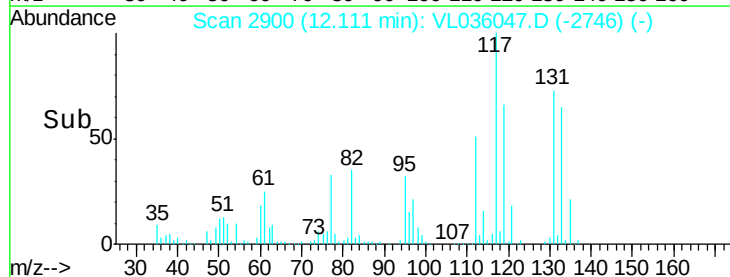
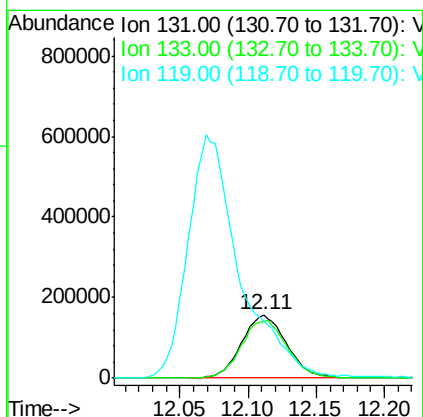
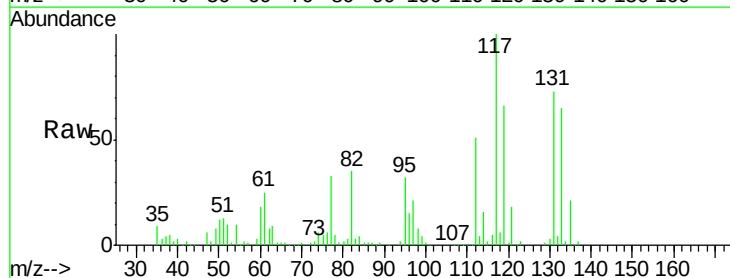
Manual Integrations
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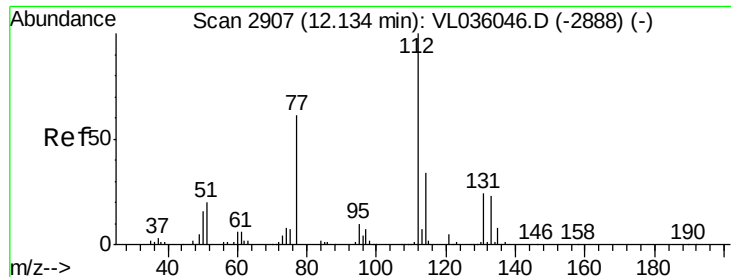
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.856 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.1	114.1
119	453.3	49.5	74.3#





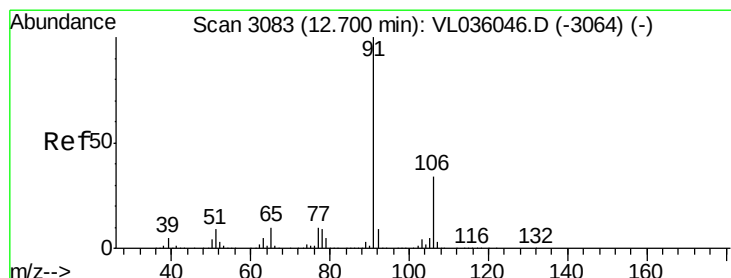
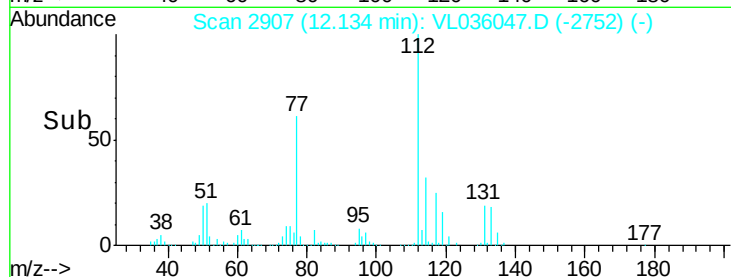
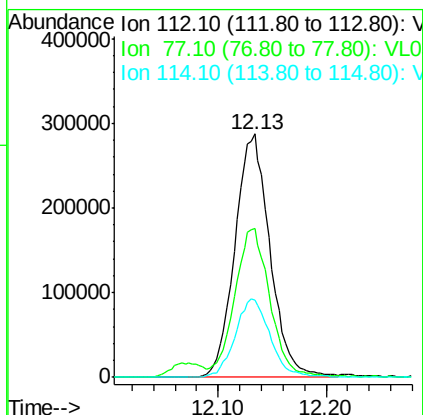
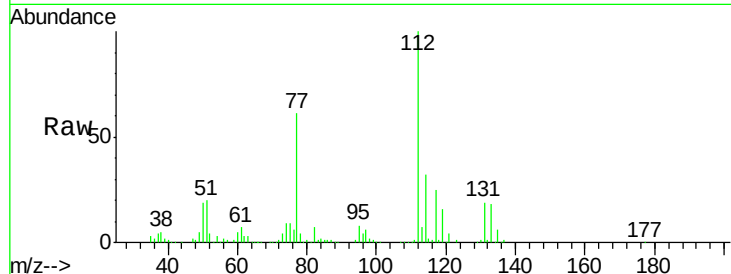
#57
Chlorobenzene
Concen: 1.912 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	60.4	49.3	73.9
114	31.4	30.2	36.9

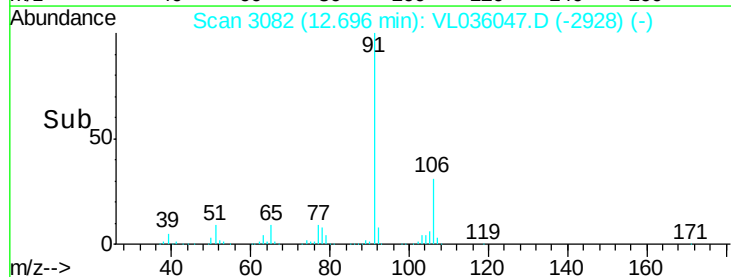
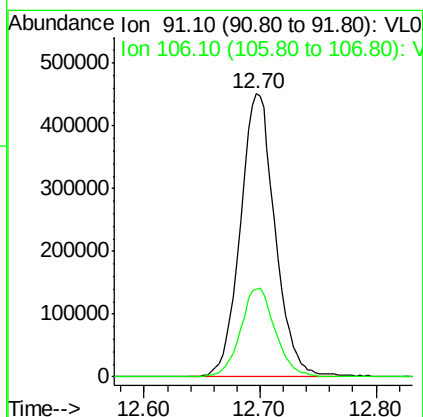
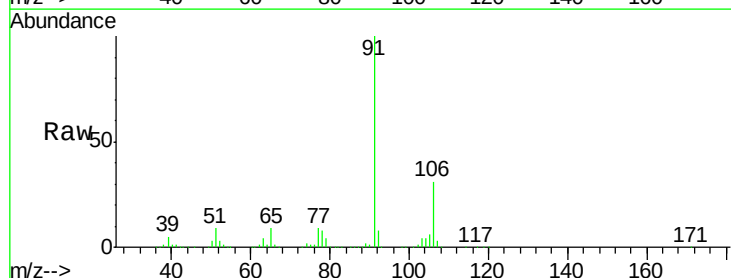
Manual Integrations
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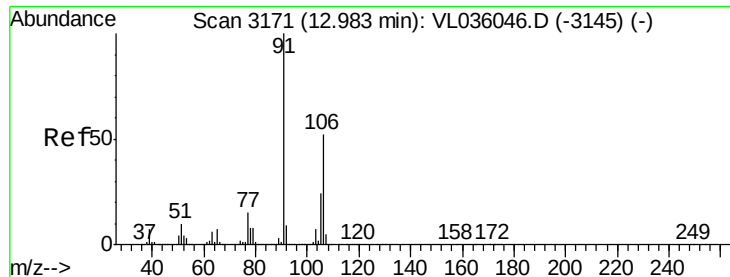
MMDadoda
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#58
Ethyl Benzene
Concen: 1.808 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	27.4	41.2





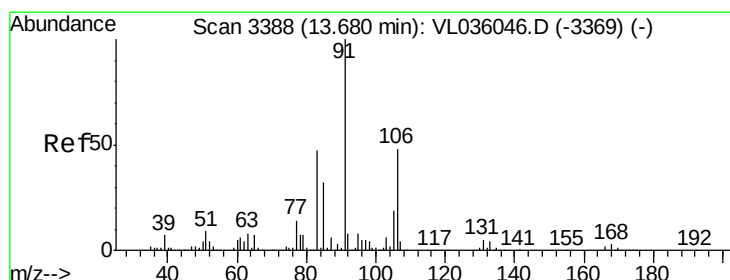
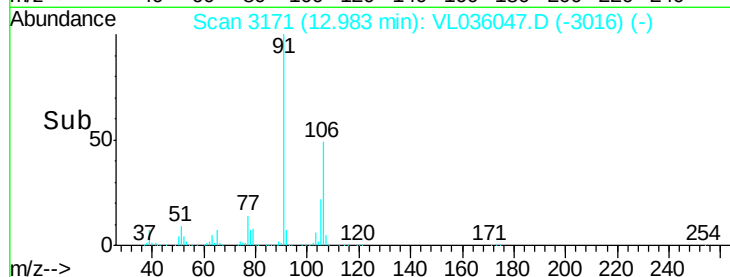
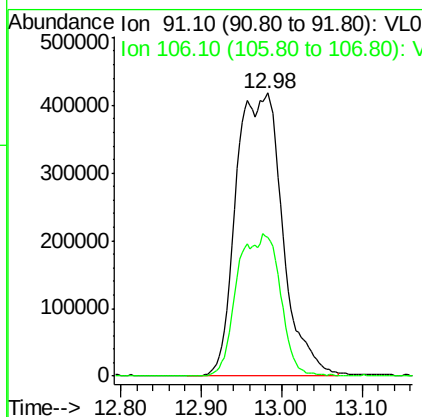
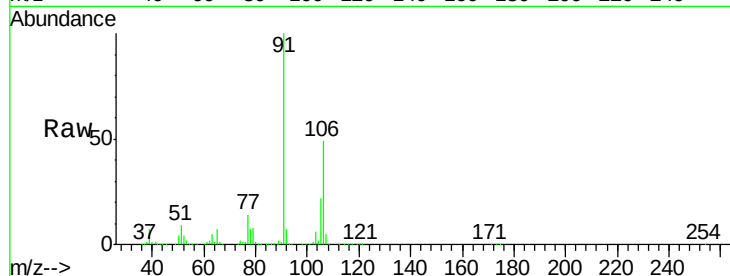
#59
m/p-Xylene
Concen: 3.845 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1692269
Ion Ratio Lower Upper
91 100
106 46.8 38.7 58.1

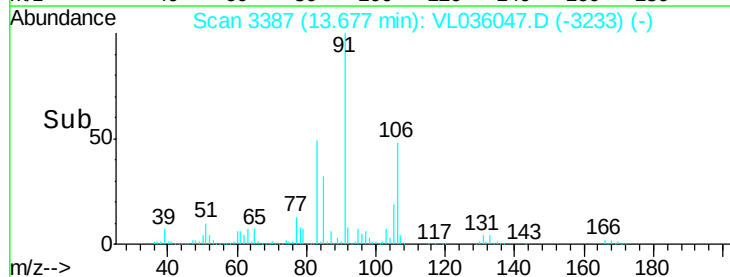
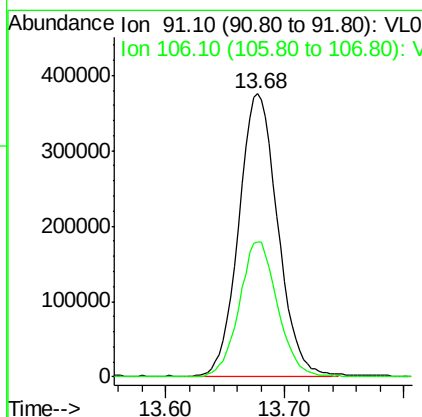
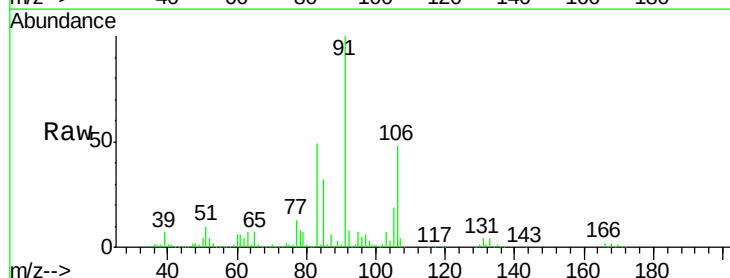
Manual Integrations
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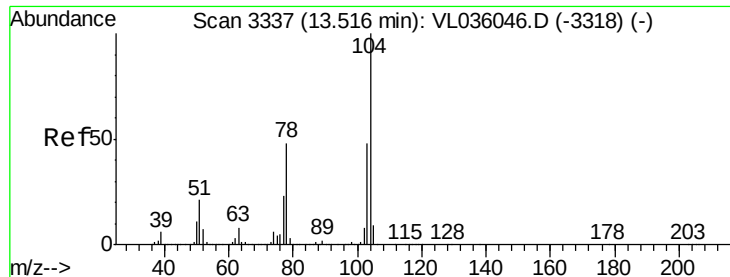
MMDadoda
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#60
o-Xylene
Concen: 1.986 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion: 91 Resp: 850406
Ion Ratio Lower Upper
91 100
106 47.4 24.1 72.3





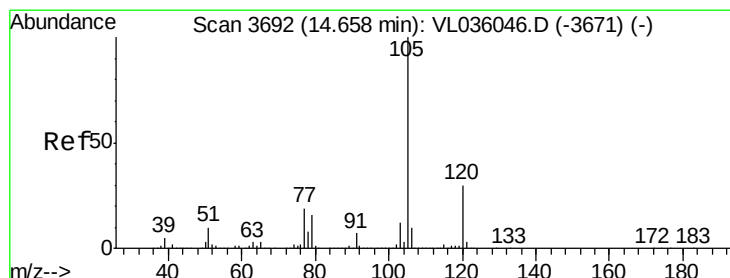
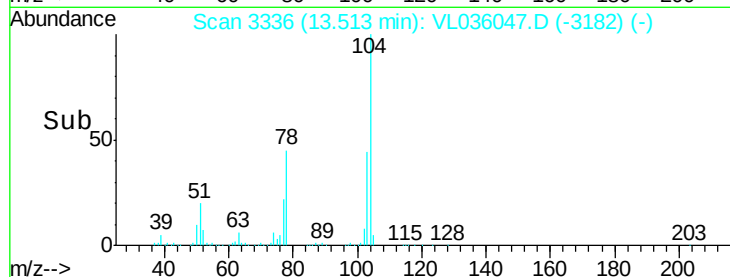
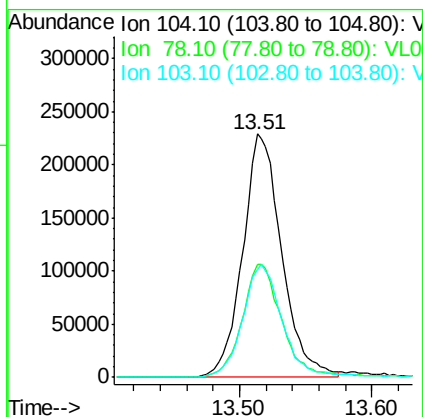
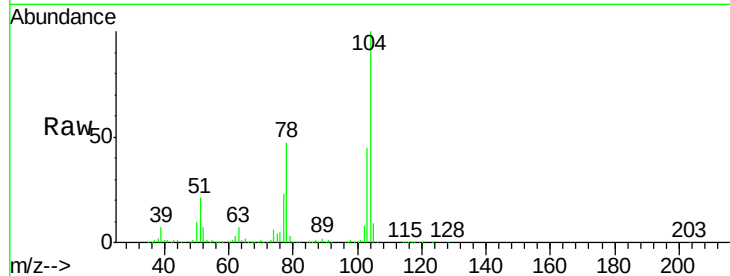
#61
Stvrene
Concen: 1.496 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.0	57.0
103	47.5	37.7	56.5

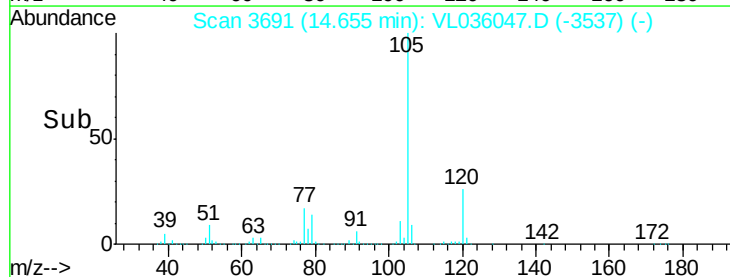
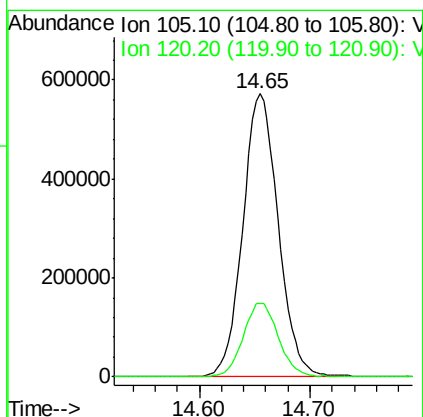
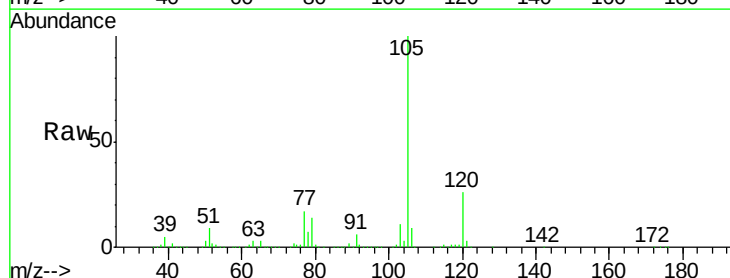
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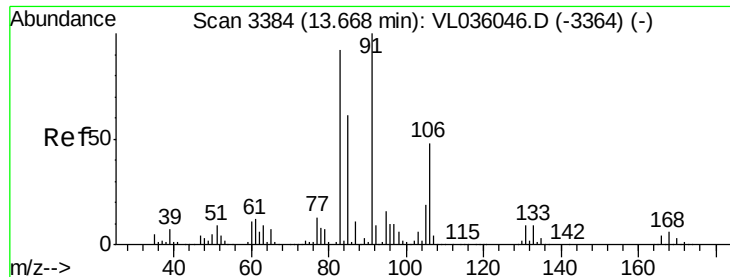
MMDadoda
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#62
Isopropylbenzene
Concen: 1.888 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	22.6	34.0





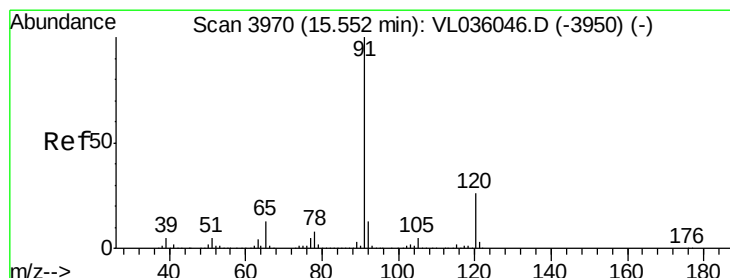
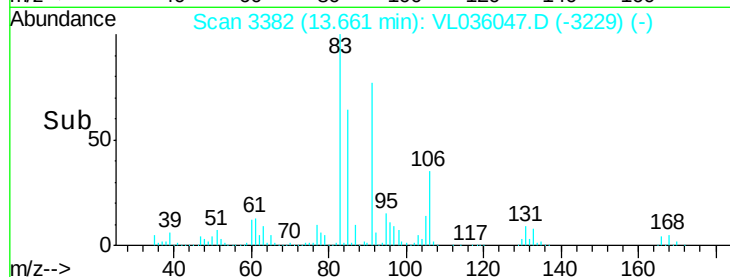
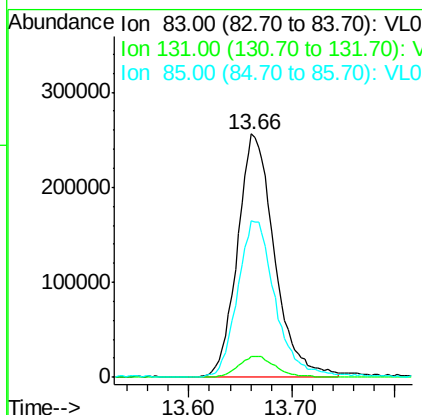
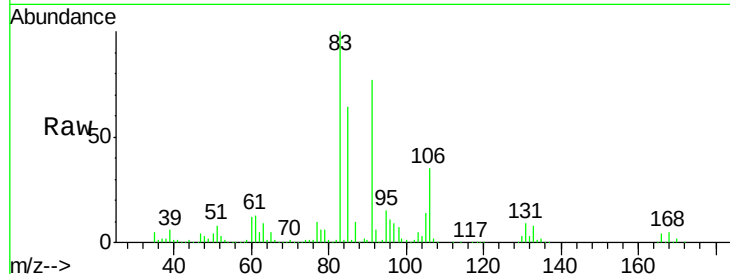
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.920 ppbv
 RT: 13.66 min Scan# 3382
 Delta R.T. -0.01 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.0	4.8	14.4	
85	66.6	33.3	99.9	

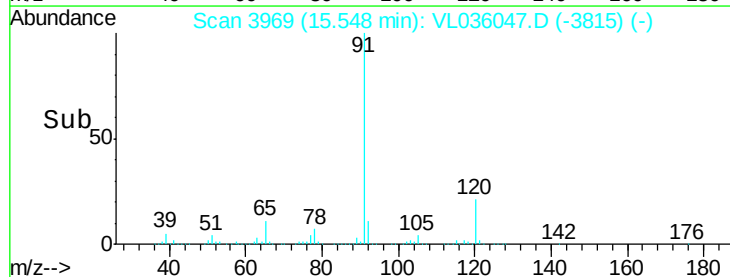
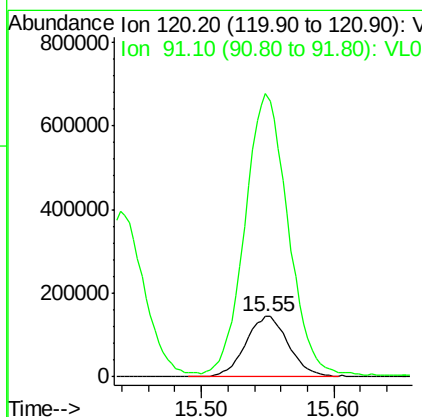
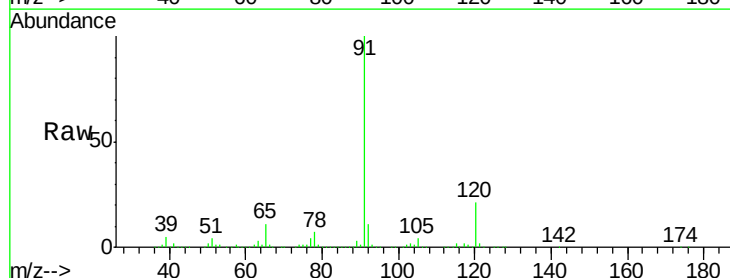
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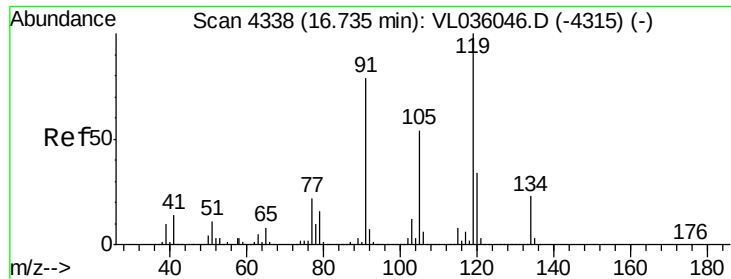
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#64
 n-propylbenzene
 Concen: 1.666 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
120	100			
91	479.0	331.4	497.2	





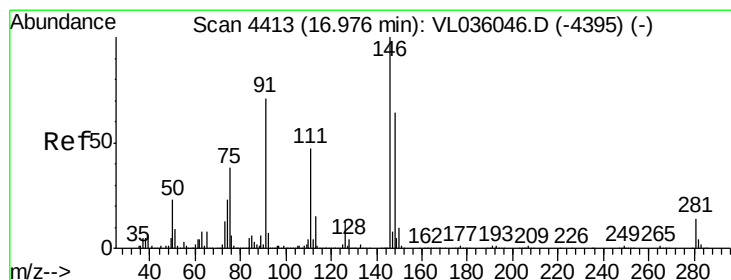
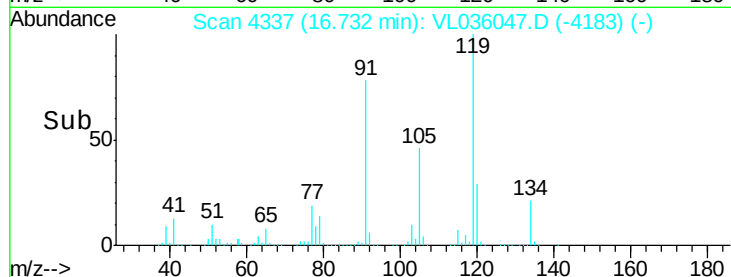
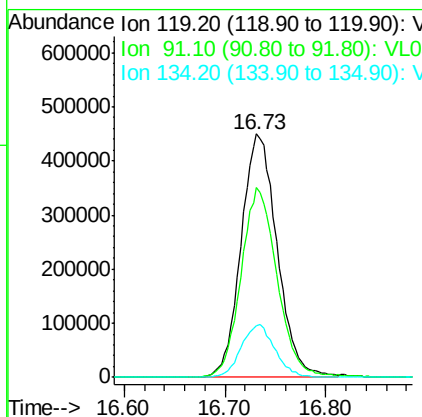
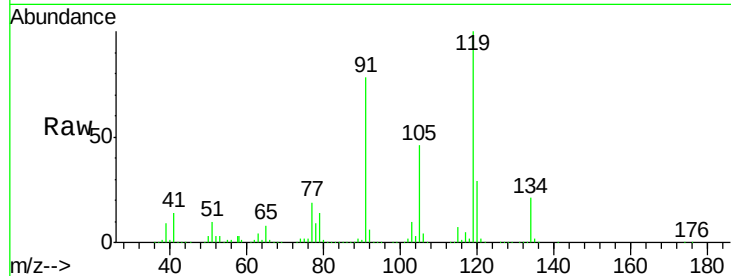
#65
 tert-Butylbenzene
 Concen: 1.818 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 119 Resp: 1113194
 Ion Ratio Lower Upper
 119 100
 91 78.4 63.4 95.2
 134 20.5 17.1 25.7

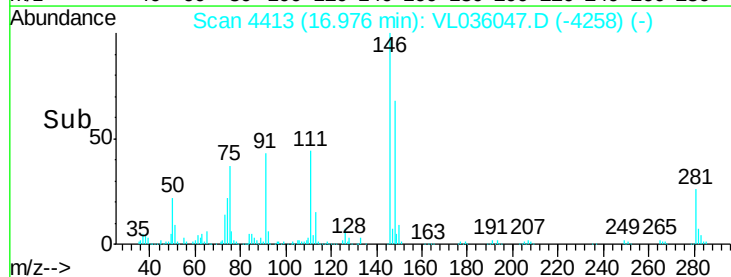
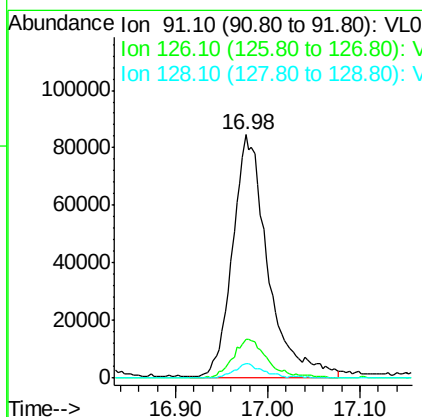
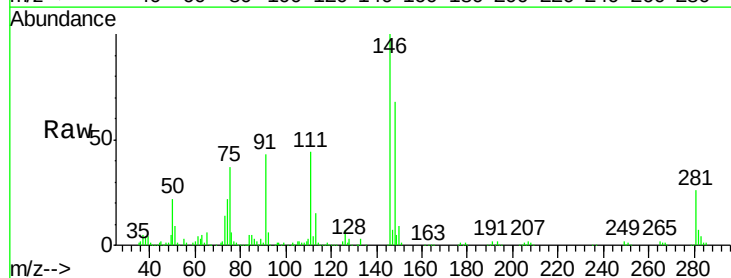
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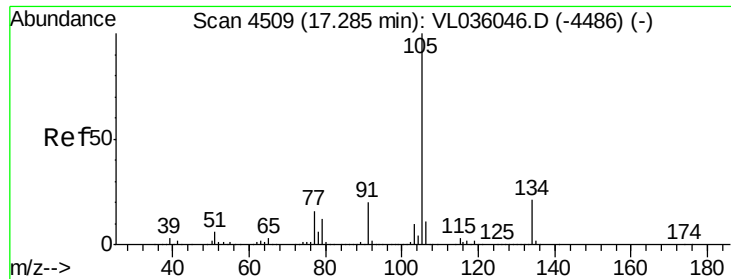
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#66
 Benzyl Chloride
 Concen: 1.118 ppbv m
 RT: 16.98 min Scan# 4413
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Tgt Ion: 91 Resp: 226387
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.3 21.5#
 128 0.0 4.7 7.1#





#67

sec-Butylbenzene

Concen: 1.859 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1534244

Ion Ratio Lower Upper

105 100

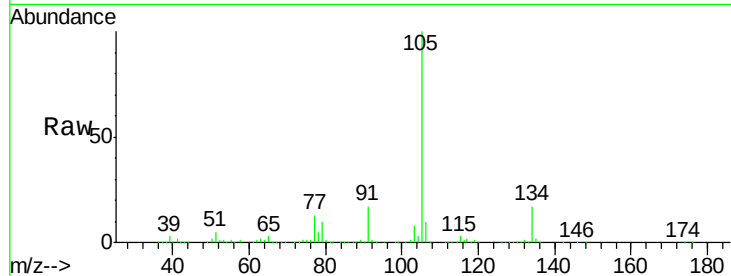
134 17.5 15.8 23.8

Manual Integrations

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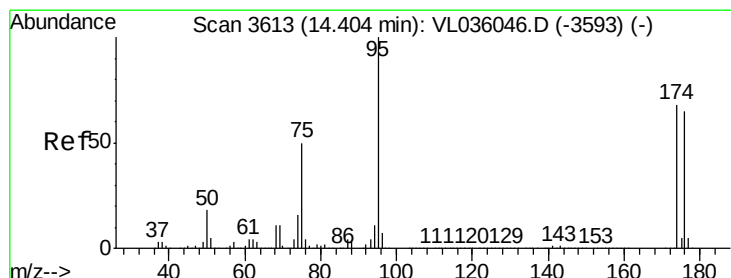
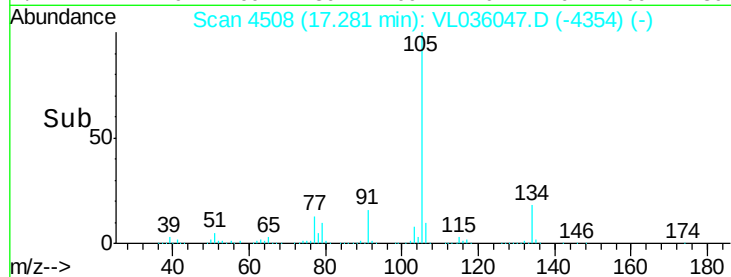
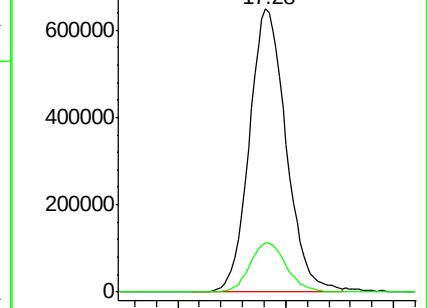
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.478 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

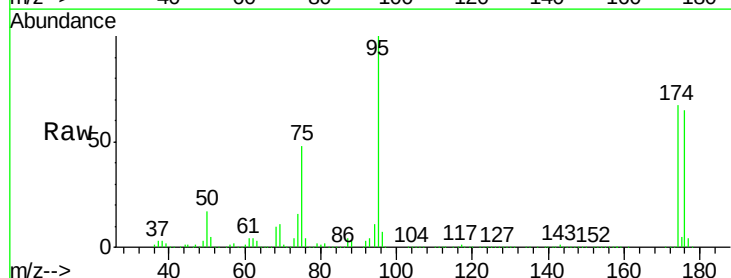
Tgt Ion: 95 Resp: 3179453

Ion Ratio Lower Upper

95 100

174 68.3 54.2 81.2

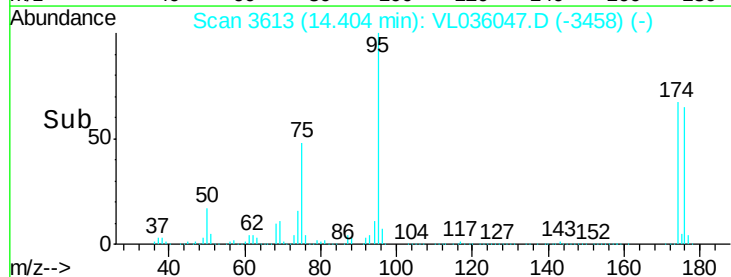
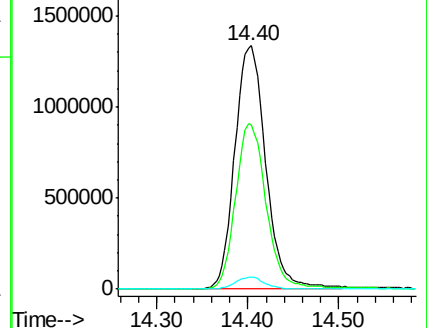
175 4.8 3.8 5.8

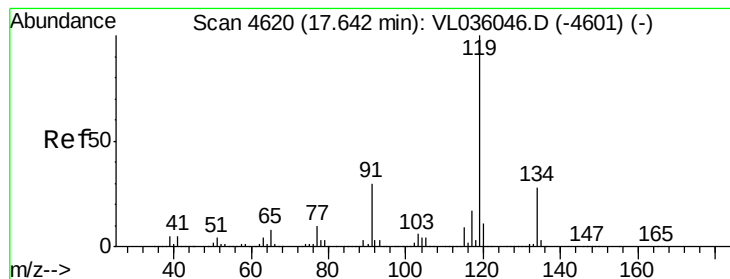


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 1.694 ppbv

RT: 17.64 min Scan# 4620

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 119 Resp: 1153484

Ion Ratio Lower Upper

119 100

134 25.7 22.2 33.2

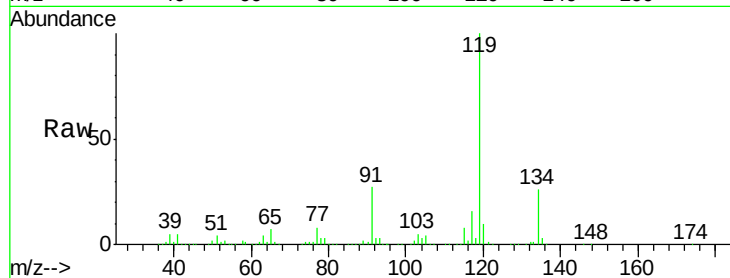
91 27.8 23.2 34.8

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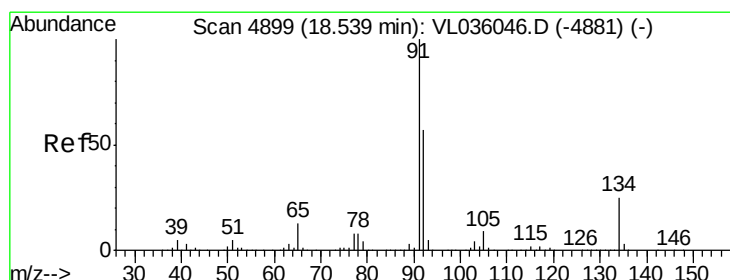
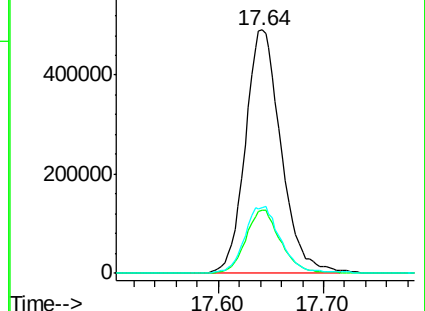
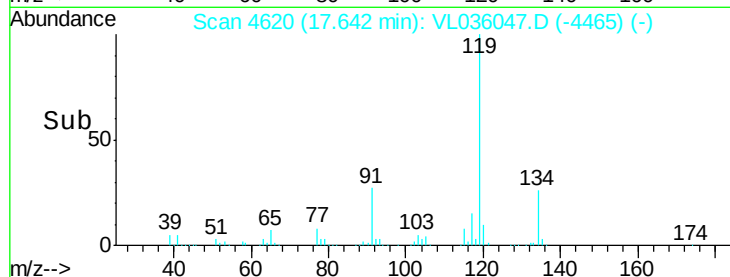
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 1.751 ppbv

RT: 18.54 min Scan# 4900

Delta R.T. 0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

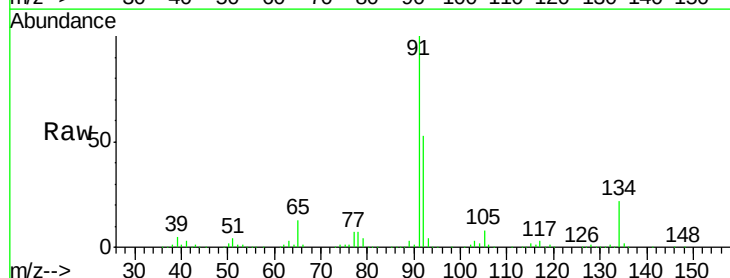
Tgt Ion: 91 Resp: 1148845

Ion Ratio Lower Upper

91 100

92 53.3 45.2 67.8

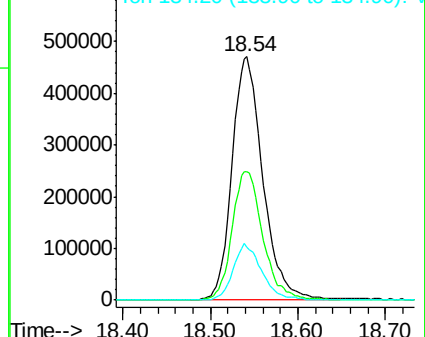
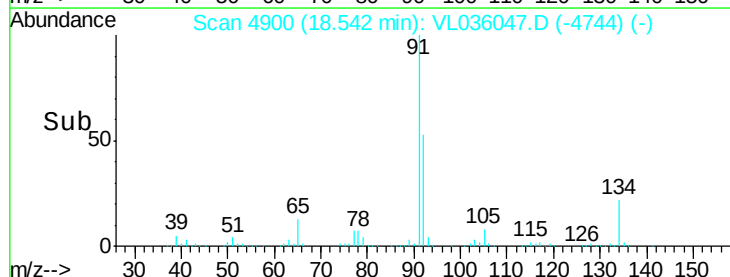
134 21.8 19.2 28.8

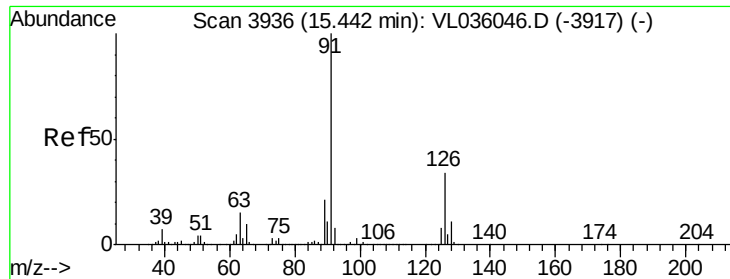


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





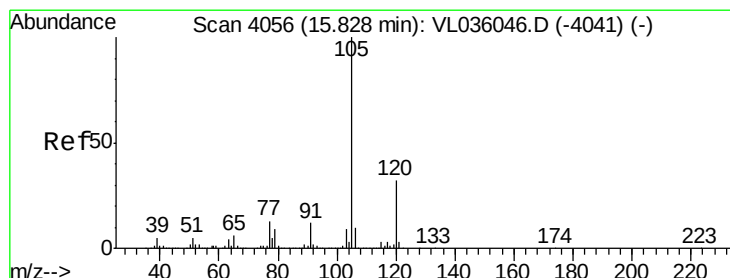
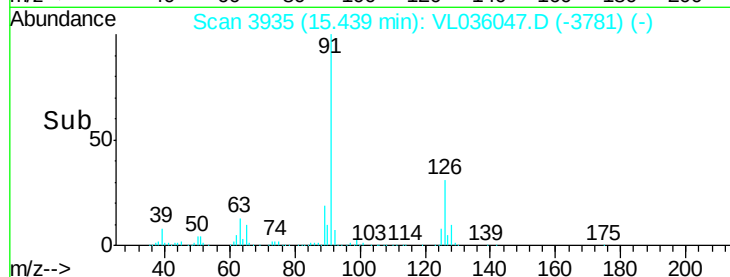
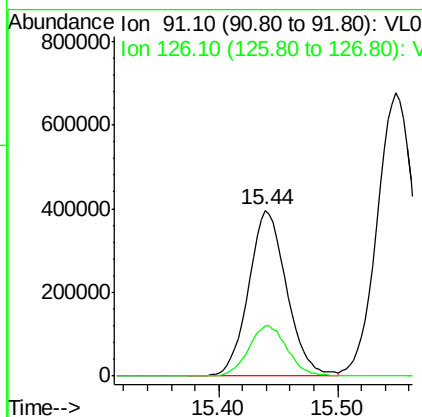
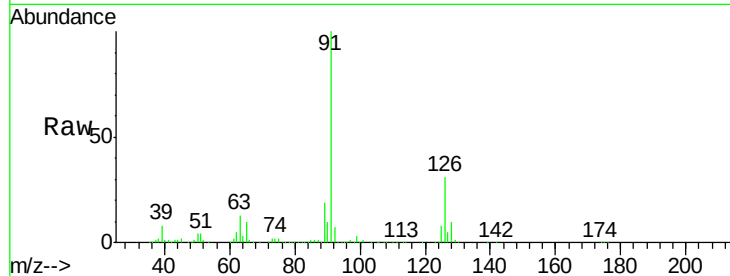
#71
 2-Chlorotoluene
 Concen: 1.777 ppbv
 RT: 15.44 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 91 Resp: 874827
 Ion Ratio Lower Upper
 91 100
 126 31.6 13.2 53.0

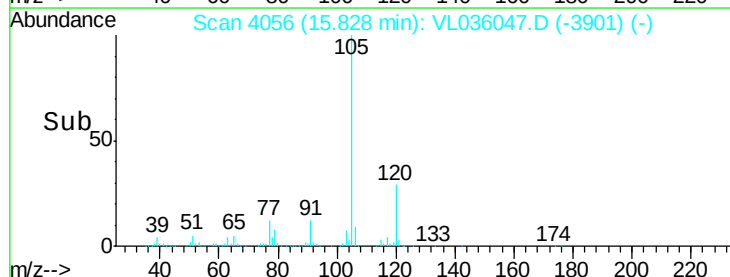
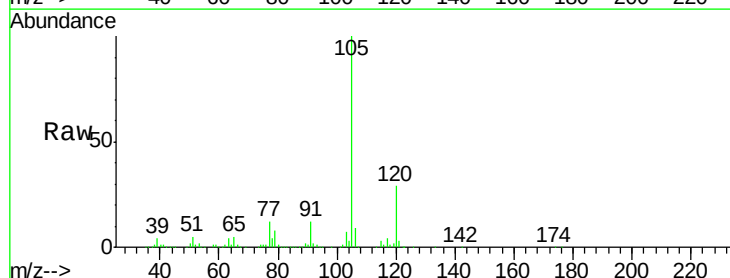
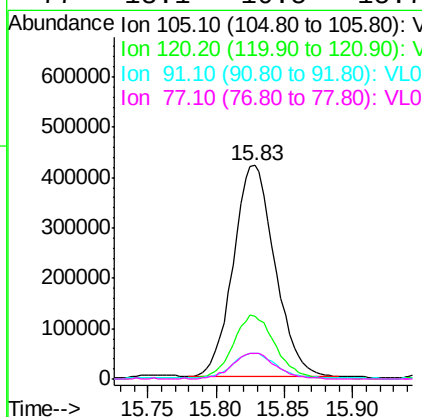
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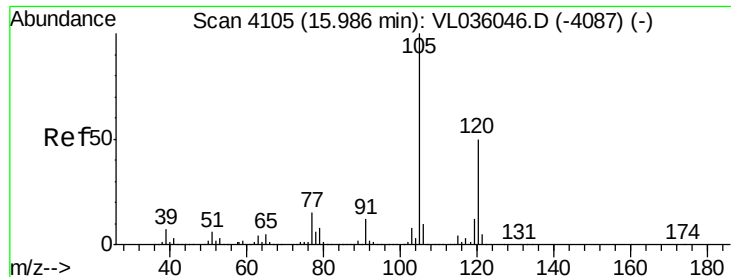
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#72
 4-Ethyltoluene
 Concen: 1.717 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. -0.00 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Tgt Ion: 105 Resp: 891743
 Ion Ratio Lower Upper
 105 100
 120 30.9 25.3 37.9
 91 13.1 10.1 15.1
 77 13.1 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 1.743 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 828269

Ion Ratio Lower Upper

105 100

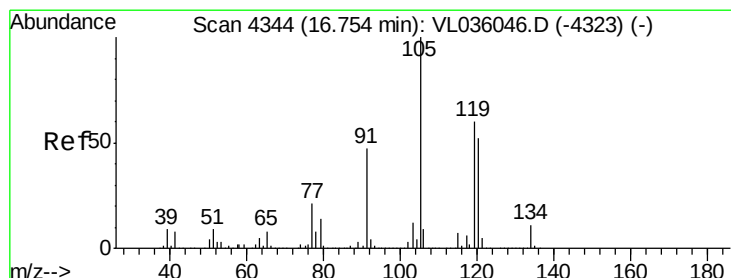
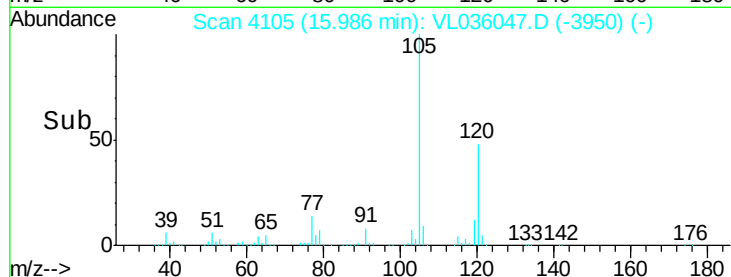
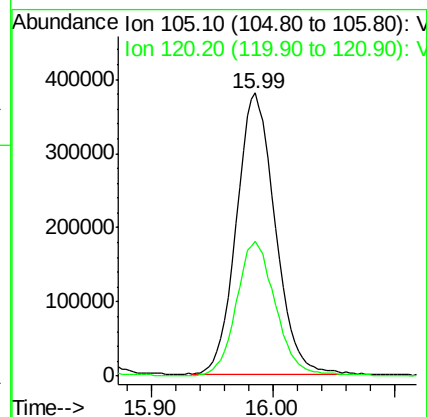
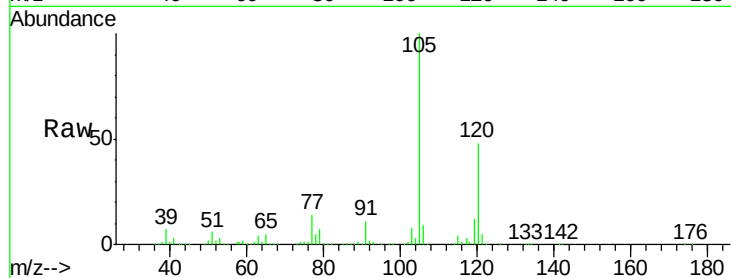
120 47.8 39.8 59.8

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#74

1,2,4-Trimethylbenzene

Concen: 1.839 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Tgt Ion:105 Resp: 936394

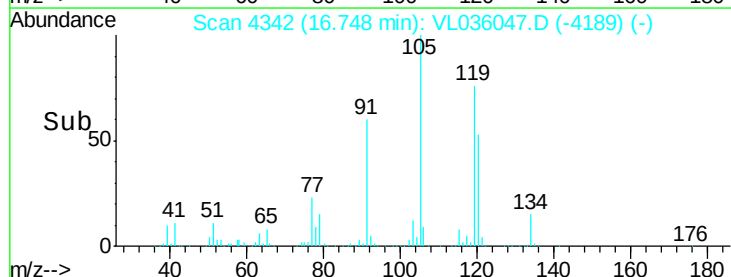
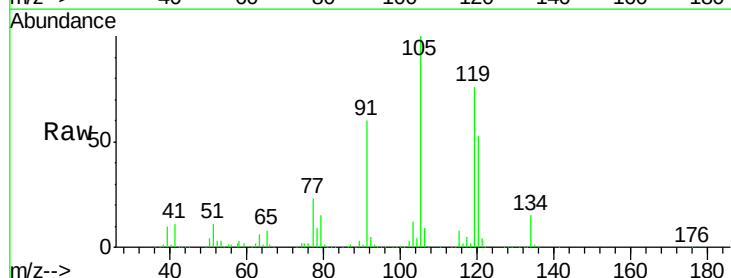
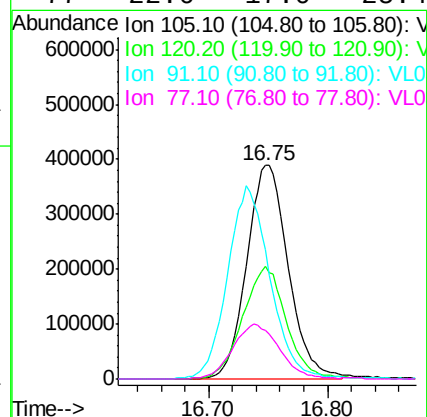
Ion Ratio Lower Upper

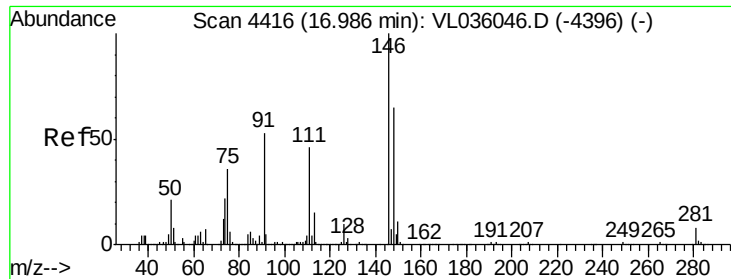
105 100

120 52.2 41.5 62.3

91 59.1 38.1 57.1#

77 22.6 17.0 25.4





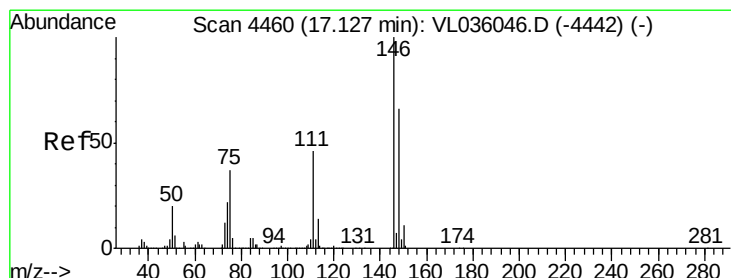
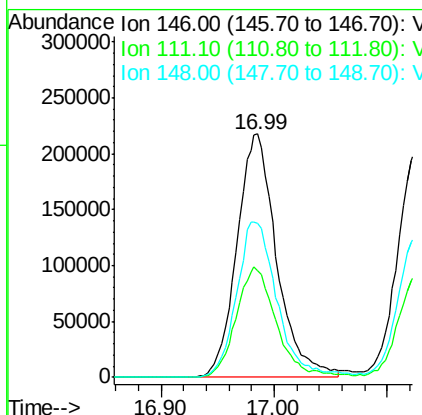
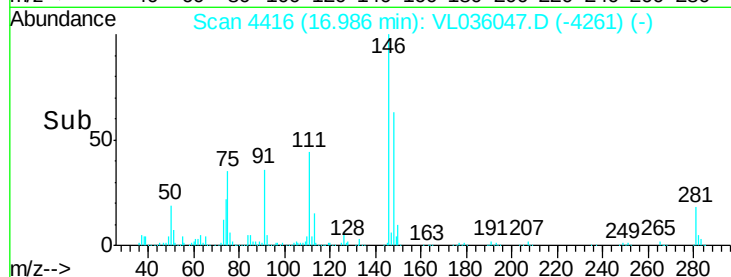
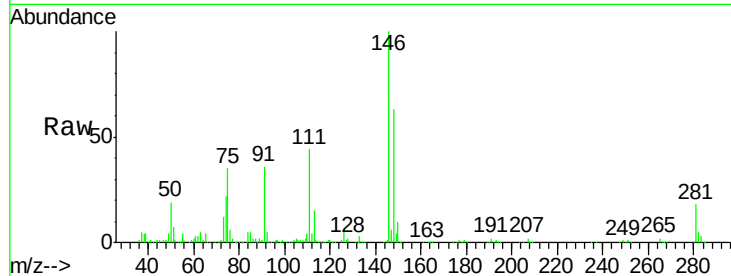
#75
1,3-Dichlorobenzene
Concen: 1.642 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.9	68.7
148	65.0	32.4	97.0

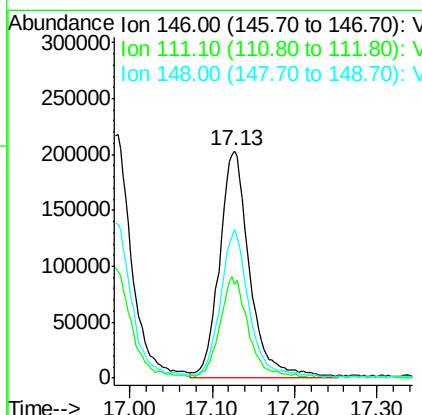
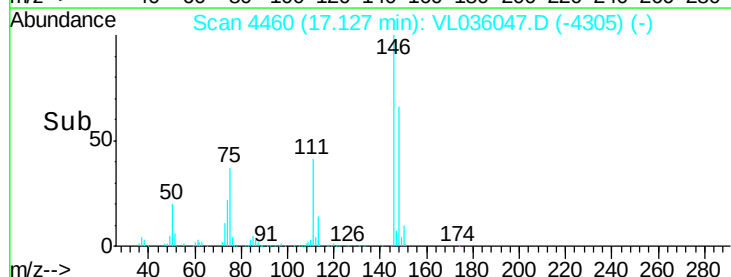
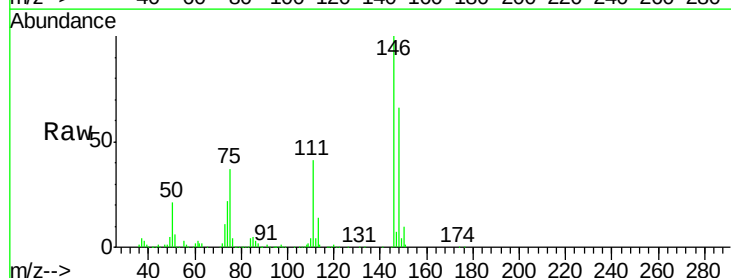
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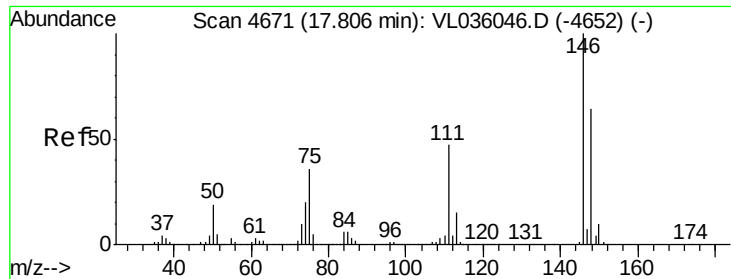
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#76
1,4-Dichlorobenzene
Concen: 1.674 ppbv m
RT: 17.13 min Scan# 4460
Delta R.T. -0.00 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	22.4	67.2
148	61.2	33.0	98.9





#77

1,2-Dichlorobenzene

Concen: 1.521 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. -0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Instrument :

MSVOA_L

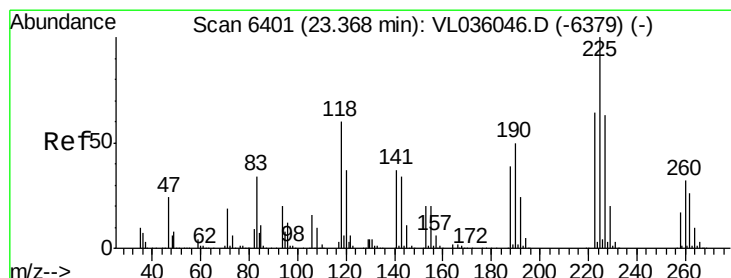
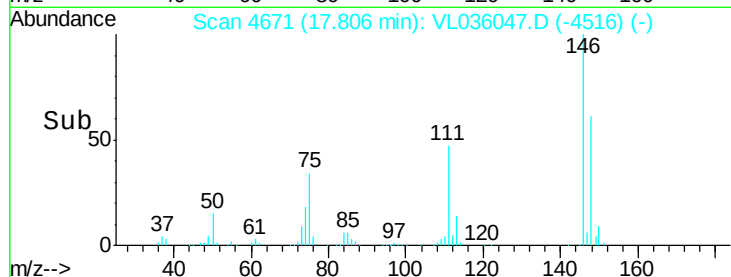
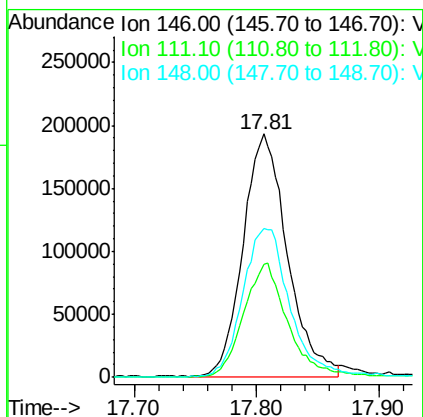
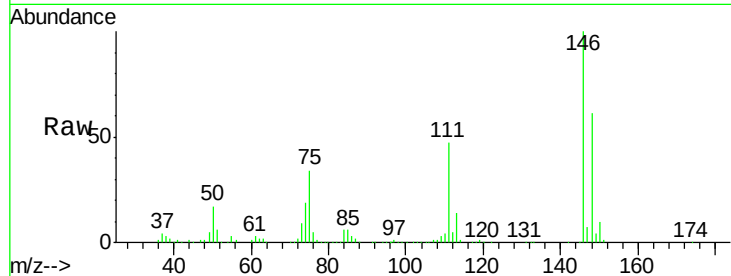
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	480758
Ion Ratio		Lower	Upper
146	100		
111	47.4	23.5	70.6
148	66.0	32.5	97.5

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#78

Hexachloro-1,3-Butadiene

Concen: 1.798 ppbv

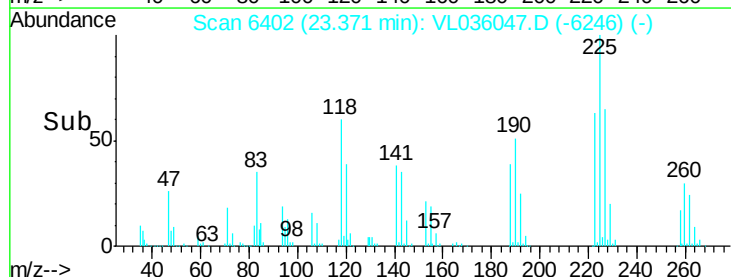
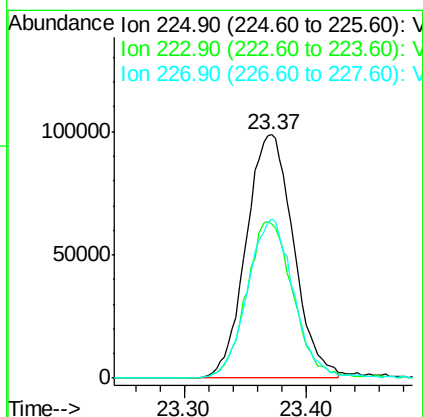
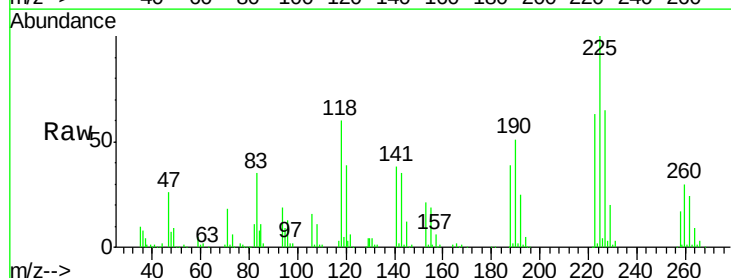
RT: 23.37 min Scan# 6402

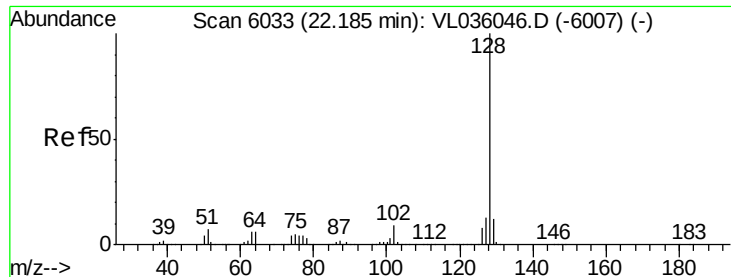
Delta R.T. 0.00 min

Lab File: VL036047.D

Acq: 3 Dec 2020 10:29

Tgt Ion:	225	Resp:	265052
Ion Ratio		Lower	Upper
225	100		
223	63.1	51.0	76.4
227	63.8	51.2	76.8





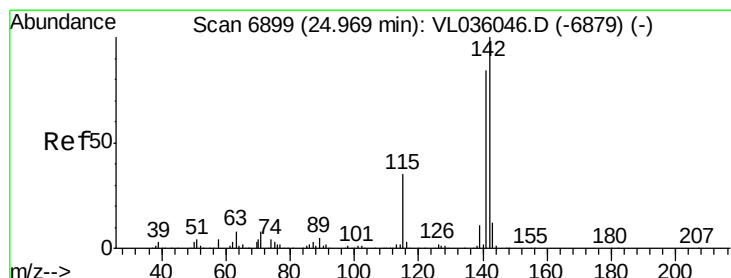
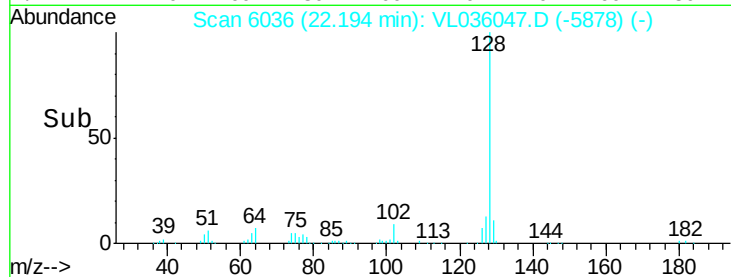
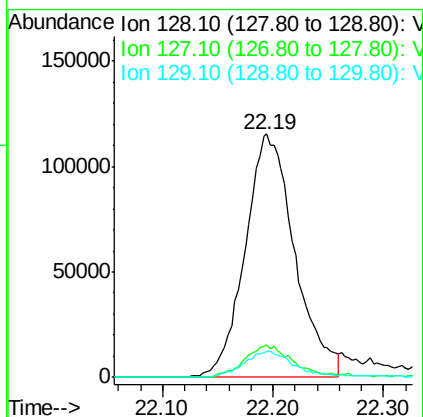
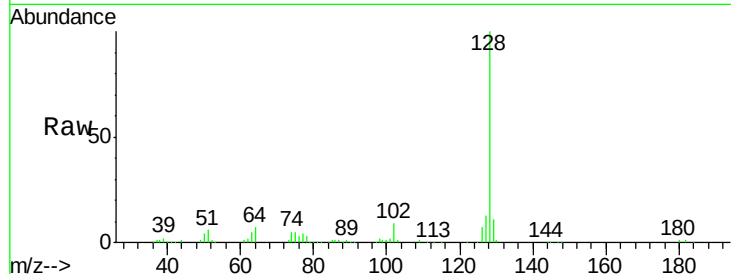
#79
Naphthalene
Concen: 1.016 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.01 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.8	9.3	13.9

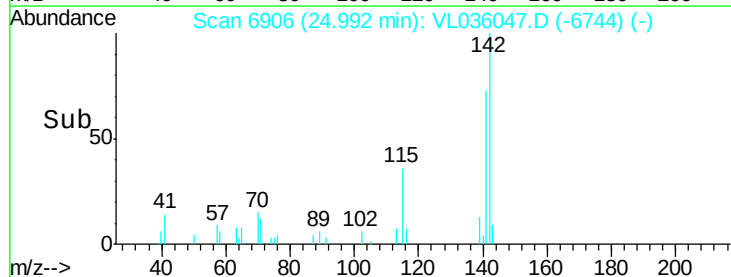
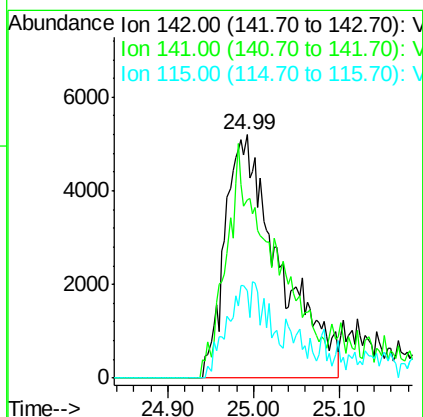
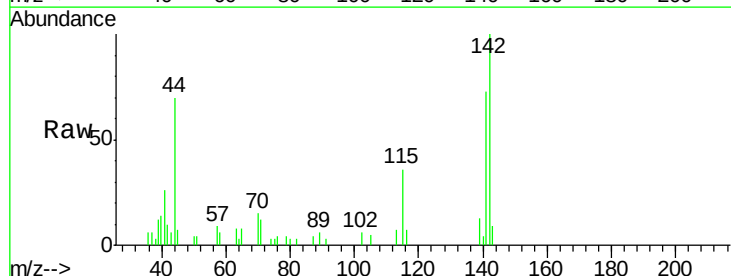
Manual Integrations
APPROVED

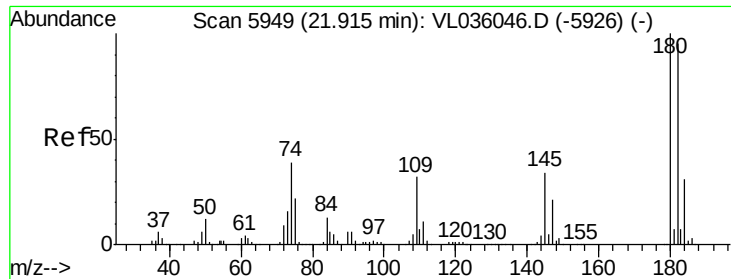
MMDadoda
12/7/2020 12:08:11 PM



#80
Naphthalene, 2-methyl-
Concen: 0.395 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.02 min
Lab File: VL036047.D
Acq: 3 Dec 2020 10:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.5	68.6	103.0
115	28.4	27.9	41.9





#81
 1,2,4-Trichlorobenzene
 Concen: 1.401 ppbv m
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.01 min
 Lab File: VL036047.D
 Acq: 3 Dec 2020 10:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	0.0	78.5	117.7#
184	0.0	25.0	37.6#

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:11 PM

