

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035506.D
 Acq On : 27 Aug 2020 2:51
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:23 PM

Quant Time: Aug 27 05:43:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1102131	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4778482	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5005997	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3482074	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	368132	1.826	ppbv	97
3) Chlorodifluoromethane	2.99	51	249237	2.003	ppbv	100
4) Chloromethane	3.14	50	132216	2.041	ppbv	99
5) Vinyl Chloride	3.26	62	156122	2.050	ppbv	98
6) Bromomethane	3.48	94	136847	1.960	ppbv	98
7) Chloroethane	3.56	64	58213	2.002	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	481195	2.011	ppbv	99
9) Propene	3.01	41	94770	1.958	ppbv	99
10) Heptane	8.14	43	259466	2.013	ppbv	99
11) Trichlorofluoromethane	3.96	101	576386	1.982	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	424900	1.958	ppbv	98
13) Ethanol	3.61	45	24789	1.825	ppbv	98
14) Bromoethene	3.75	108	186255	1.973	ppbv	100
15) Acetone	3.86	43	252593	2.137	ppbv	96
16) 1,3-Butadiene	3.33	39	92433	1.969	ppbv	100
17) tert-Butyl alcohol	4.30	59	303689	2.019	ppbv	99
18) 1,1-Dichloroethene	4.29	96	188956	1.967	ppbv	99
19) Isopropyl Alcohol	3.98	45	145701	1.907	ppbv #	97
20) Methylene Chloride	4.35	84	193921	1.539	ppbv	99
21) Allyl Chloride	4.42	41	112081	1.881	ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	199950	1.970	ppbv	98
23) Vinyl Acetate	5.09	43	319551	2.054	ppbv	97
24) 1,1-Dichloroethane	5.02	63	331658	2.032	ppbv	97
25) Ethyl Acetate	5.69	43	451574	2.017	ppbv	99
26) Hexane	5.70	57	260895	1.916	ppbv	99
27) Carbon Disulfide	4.56	76	358560	1.981	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	443309	2.007	ppbv	99
29) Chloroform	5.76	83	509733	1.975	ppbv	97
30) Cyclohexane	7.15	84	272800	1.996	ppbv	86
31) cis-1,2-Dichloroethene	5.56	61	259026	2.015	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	478621	2.031	ppbv	99
34) 2-Butanone	5.26	43	296247	2.097	ppbv	99
35) Carbon Tetrachloride	7.04	117	496101	2.134	ppbv	97
36) Benzene	6.91	78	660744	2.102	ppbv	97
37) 1,2-Dichloroethane	6.32	62	301362	2.024	ppbv	99
38) Trichloroethene	7.85	130	348972	2.009	ppbv	97
39) 1,2-Dichloropropane	7.63	63	218544	2.076	ppbv	96
40) 1,4-Dioxane	7.87	88	108514	2.093	ppbv	71
41) Tetrahydrofuran	6.07	42	156270	2.042	ppbv	98
42) Bromodichloromethane	7.81	83	496023	2.040	ppbv	97
43) Methyl Methacrylate	8.04	69	254319	2.089	ppbv	99

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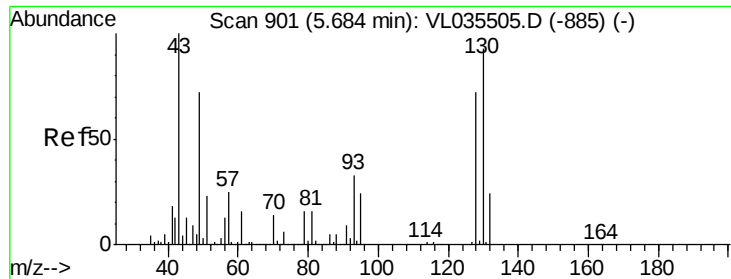
Manual Integrations
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Quant Time: Aug 27 05:43:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	890205	2.162	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	246497	1.980	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	312239	2.023	ppbv	94
47) 1,1,2-Trichloroethane	9.50	97	318983	2.027	ppbv	98
48) Dibromochloromethane	10.33	129	506440	2.027	ppbv	99
49) Bromoform	13.07	173	456808	1.974	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	437467	2.150	ppbv	98
51) 2-Hexanone	10.17	43	353030	2.117	ppbv #	99
52) Tetrachloroethene	11.25	164	359689	1.971	ppbv	97
53) Toluene	9.83	91	847461	2.130	ppbv	97
54) 1,2-Dibromoethane	10.64	107	510422	2.044	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.15	131	424407	2.030	ppbv #	1
57) Chlorobenzene	12.18	112	768809	2.065	ppbv	99
58) Ethyl Benzene	12.74	91	1131946	2.134	ppbv	91
59) m/p-Xylene	13.02	91	1885698m	4.183	ppbv	
60) o-Xylene	13.72	91	941202	2.120	ppbv	98
61) Styrene	13.56	104	724434	2.118	ppbv	97
62) Isopropylbenzene	14.70	105	1532092	2.134	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.71	83	665565	2.051	ppbv	98
64) n-propylbenzene	15.59	120	452945	2.074	ppbv	78
65) tert-Butylbenzene	16.78	119	1469386	2.156	ppbv	95
66) Benzyl Chloride	17.02	91	298147	1.798	ppbv	96
67) sec-Butylbenzene	17.33	105	1990664	2.197	ppbv	93
69) p-Isopropyltoluene	17.69	119	1727771	2.188	ppbv	93
70) n-Butylbenzene	18.59	91	1661117	2.190	ppbv	94
71) 2-Chlorotoluene	15.49	91	1108349	2.133	ppbv	97
72) 4-Ethyltoluene	15.87	105	1221713	2.157	ppbv	96
73) 1,3,5-Trimethylbenzene	16.03	105	1132207	2.162	ppbv	94
74) 1,2,4-Trimethylbenzene	16.80	105	1246339	2.169	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	890231	2.068	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	873812	2.032	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	862386	2.033	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	565993	1.944	ppbv	99
79) Naphthalene	22.25	128	1397775	1.954	ppbv	96
80) Naphthalene, 2-methyl-	25.01	142	464597	1.653	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	807960	1.921	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1102131

Ion Ratio Lower Upper

49 100

128 99.4 50.0 150.1

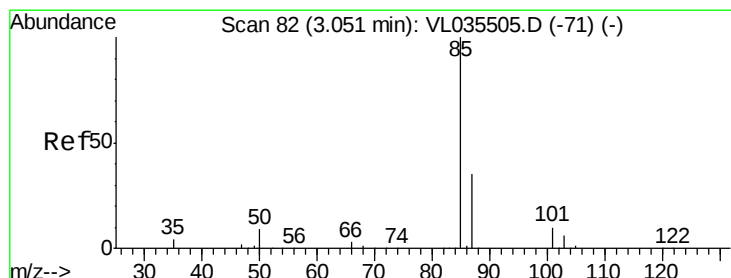
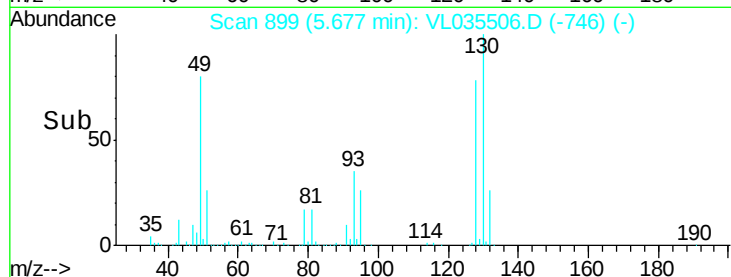
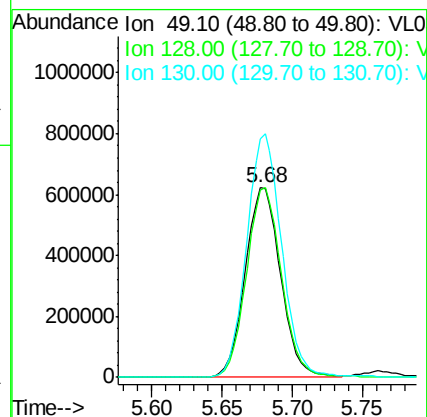
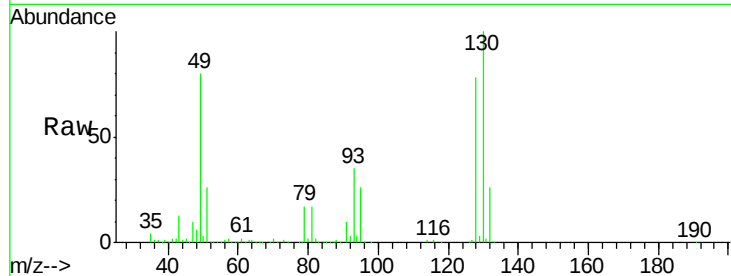
130 127.8 64.4 193.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 1.826 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL035506.D

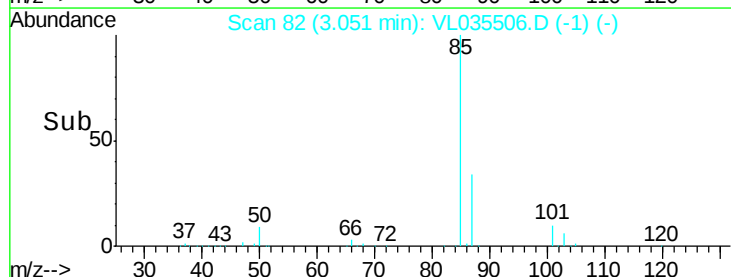
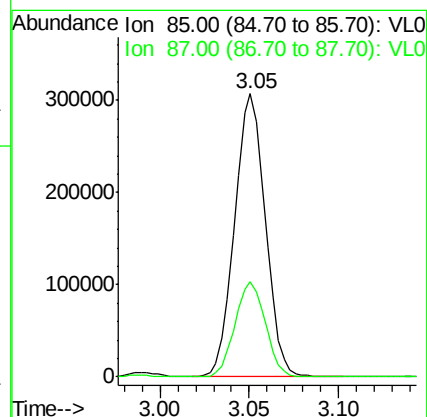
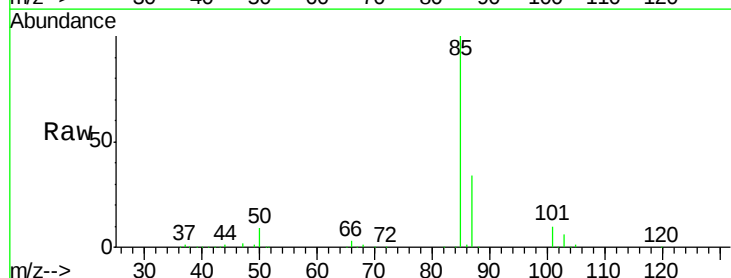
Acq: 27 Aug 2020 2:51

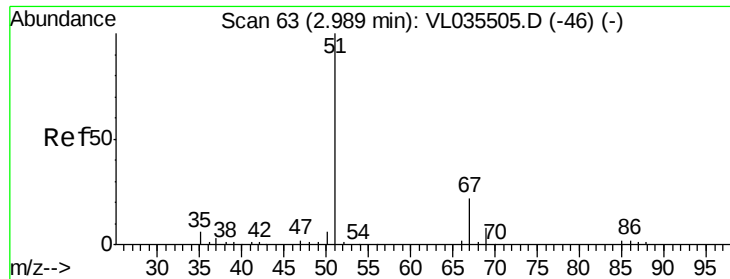
Tgt Ion: 85 Resp: 368132

Ion Ratio Lower Upper

85 100

87 33.5 28.0 42.0





#3

Chlorodifluoromethane

Concen: 2.003 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tot Ion: 51 Resp: 249237

Ion Ratio Lower Upper

51 100

67 22.2 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

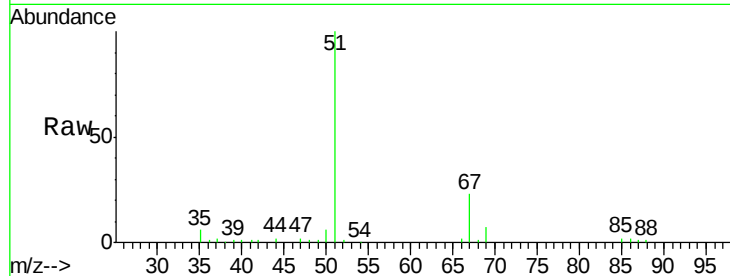
VSTDIC002

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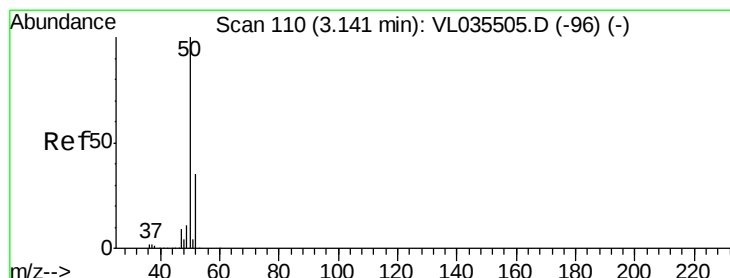
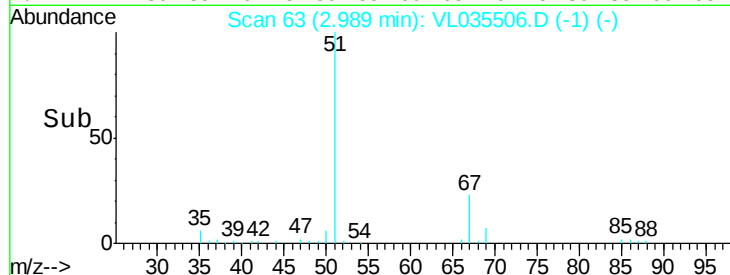
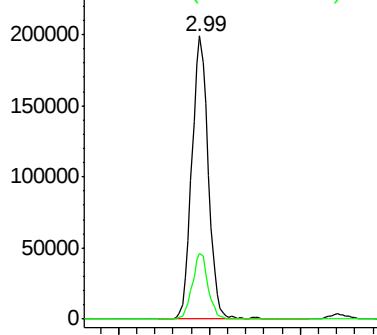
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.041 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035506.D

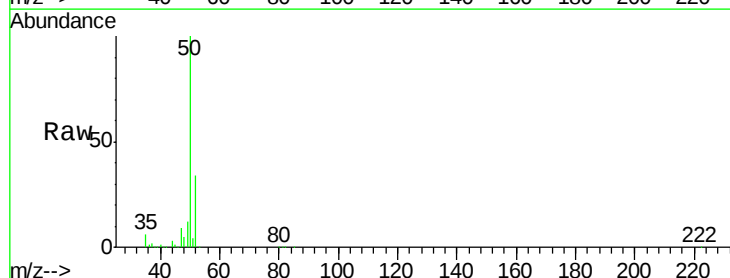
Acq: 27 Aug 2020 2:51

Tgt Ion: 50 Resp: 132216

Ion Ratio Lower Upper

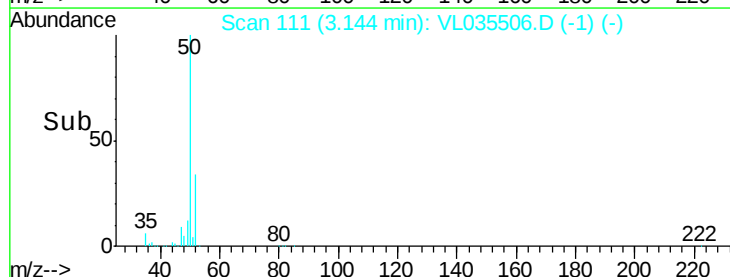
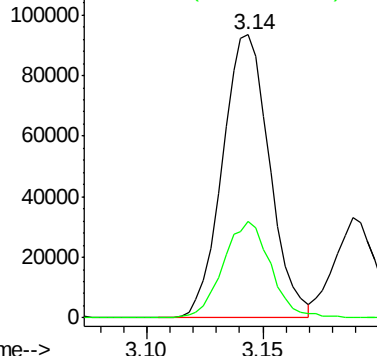
50 100

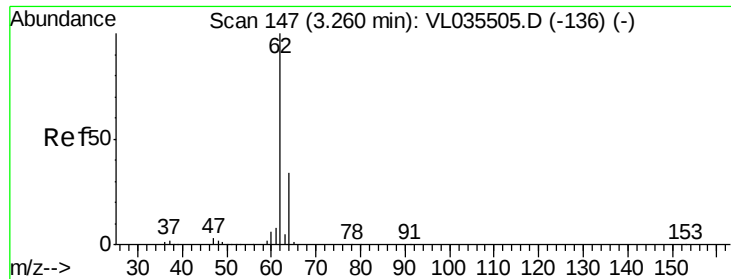
52 34.2 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 2.050 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 156122

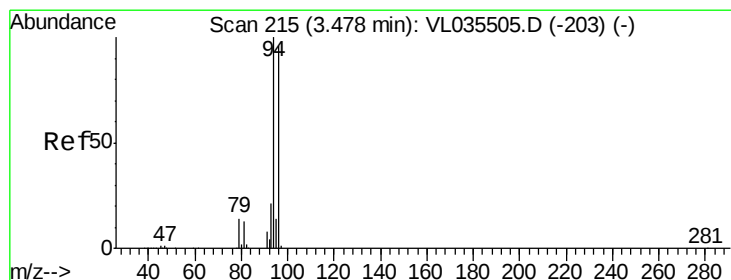
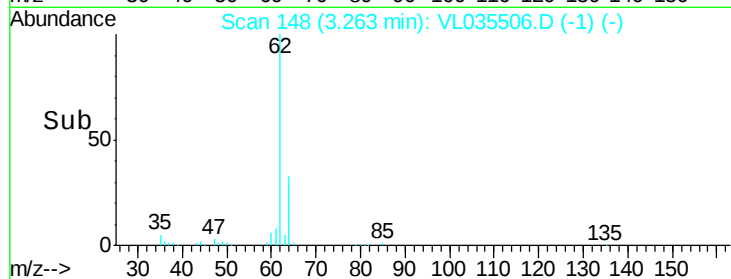
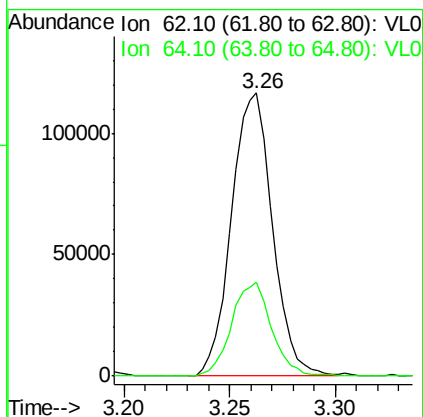
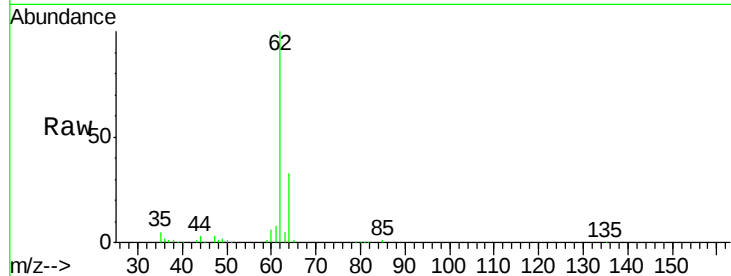
Ion Ratio Lower Upper

62 100

64 33.4 27.4 41.2

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#6

Bromomethane

Concen: 1.960 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL035506.D

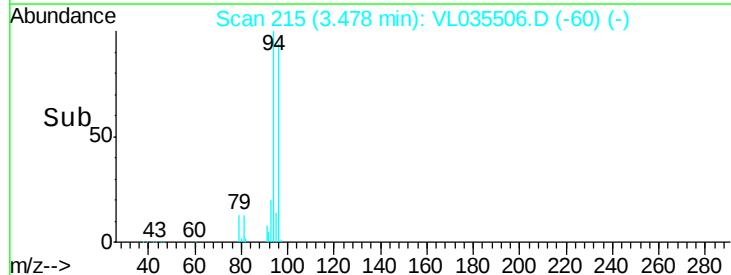
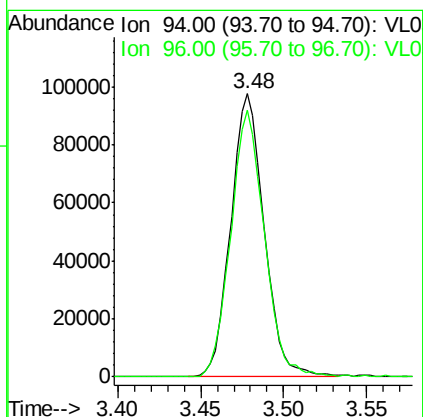
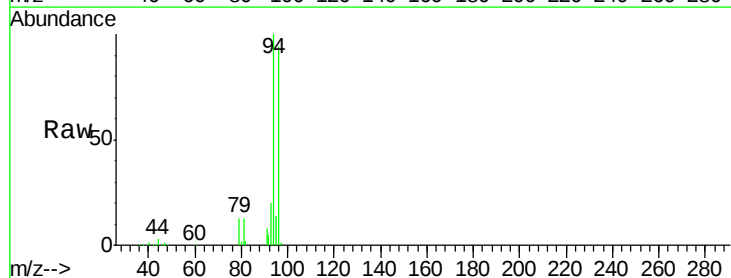
Acq: 27 Aug 2020 2:51

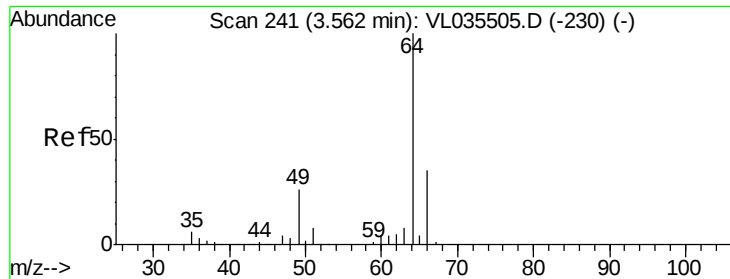
Tgt Ion: 94 Resp: 136847

Ion Ratio Lower Upper

94 100

96 94.4 77.1 115.7





#7

Chloroethane

Concen: 2.002 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 58213

Ion Ratio Lower Upper

64 100

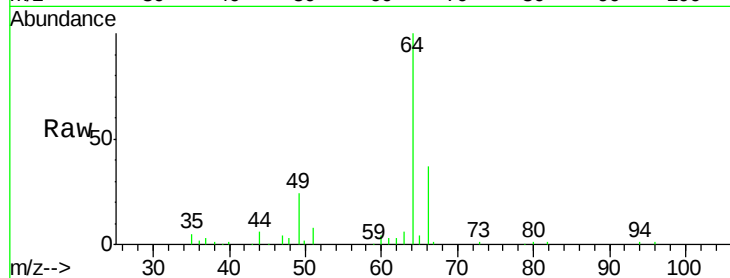
66 36.9 27.7 41.5

Manual Integrations

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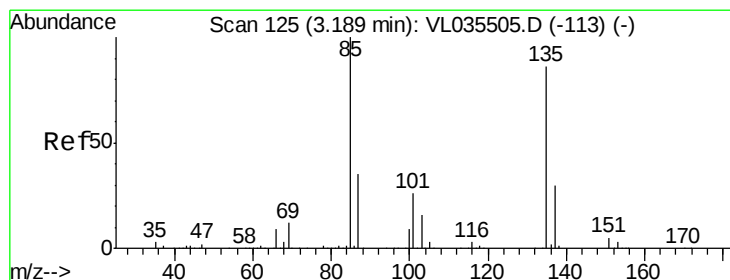
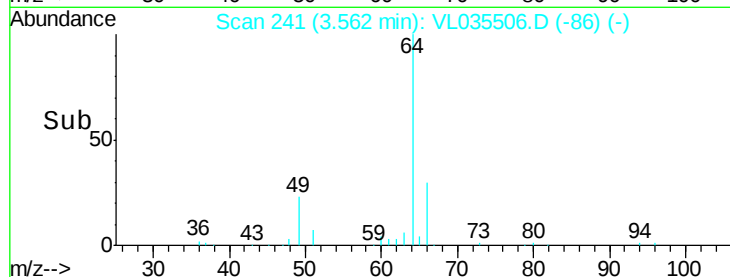
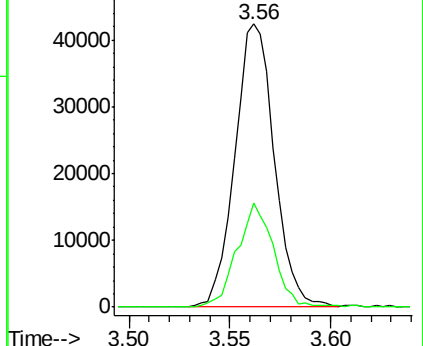
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.011 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL035506.D

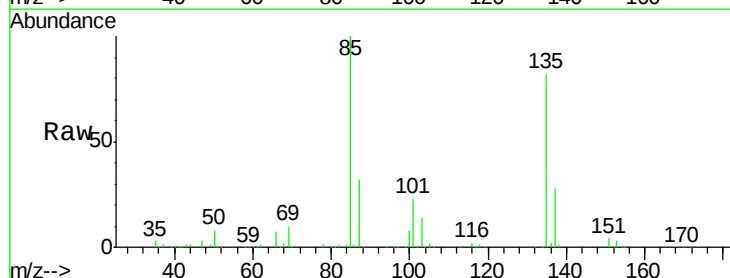
Acq: 27 Aug 2020 2:51

Tgt Ion: 85 Resp: 481195

Ion Ratio Lower Upper

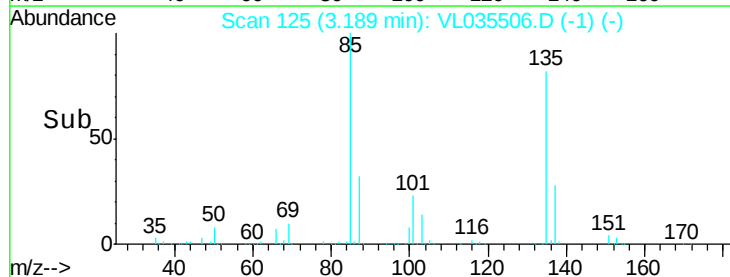
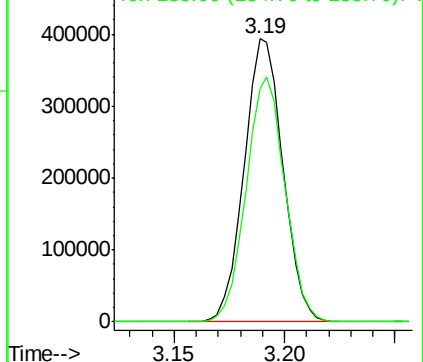
85 100

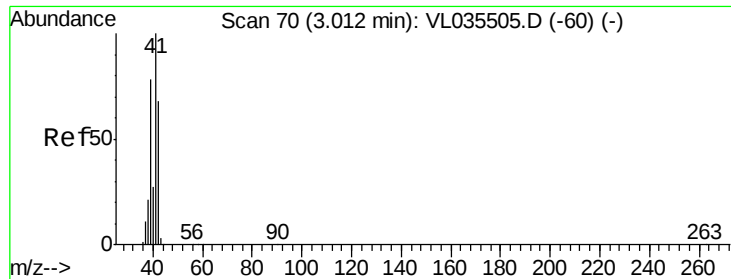
135 86.7 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.958 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 94770

Ion Ratio Lower Upper

41 100

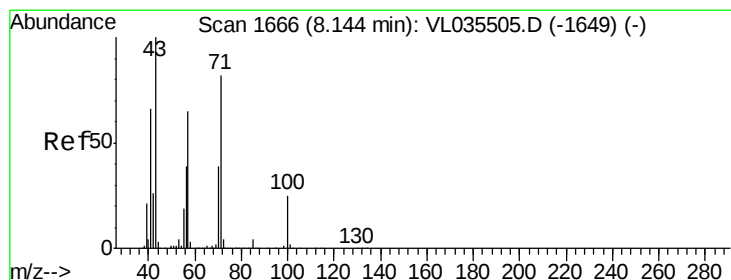
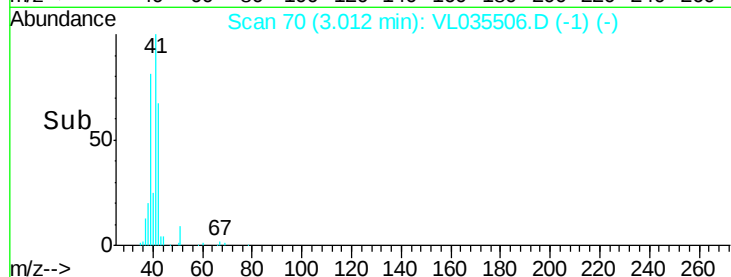
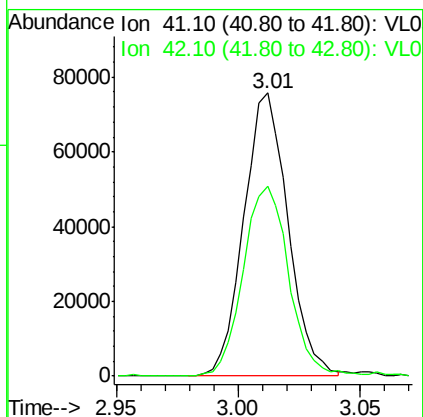
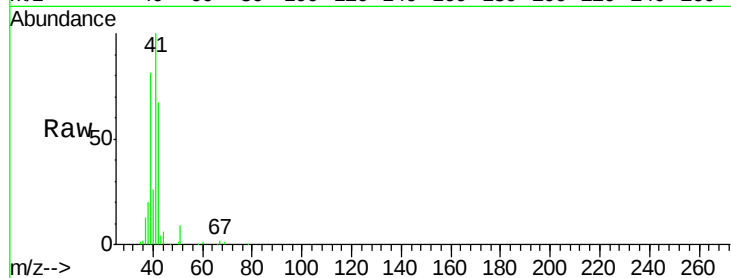
42 70.0 56.3 84.5

Manual Integrations

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#10

Heptane

Concen: 2.013 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VL035506.D

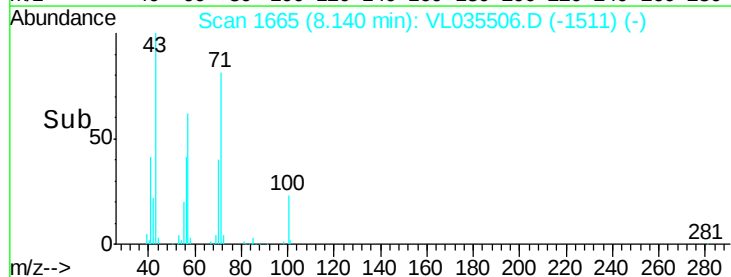
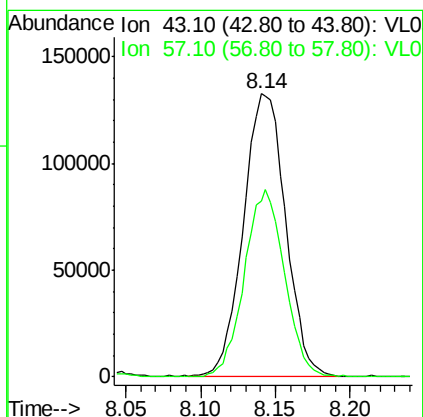
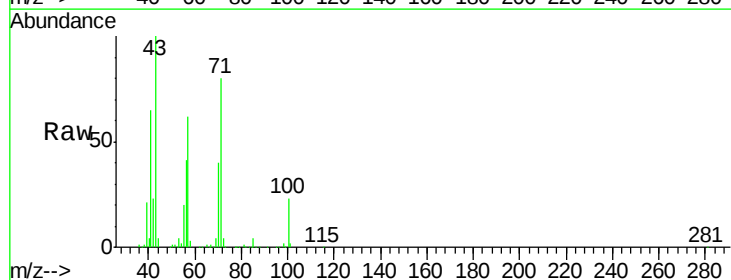
Acq: 27 Aug 2020 2:51

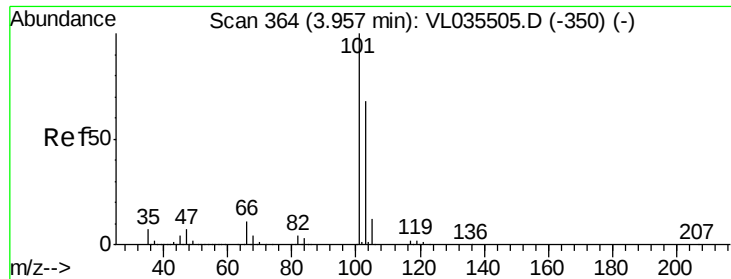
Tgt Ion: 43 Resp: 259466

Ion Ratio Lower Upper

43 100

57 63.2 51.4 77.0





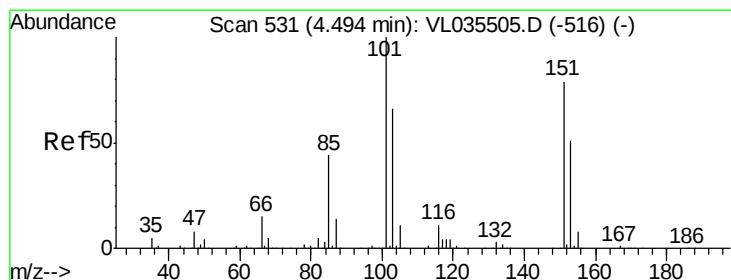
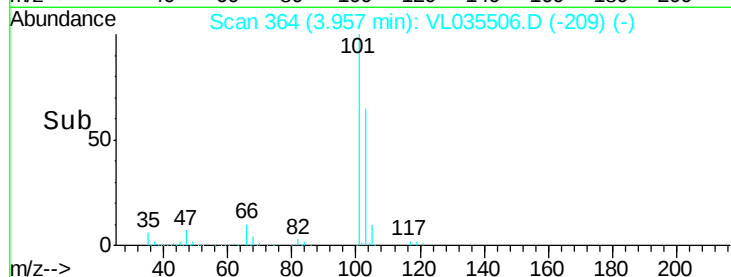
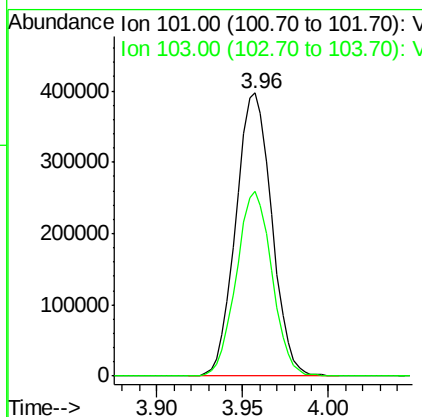
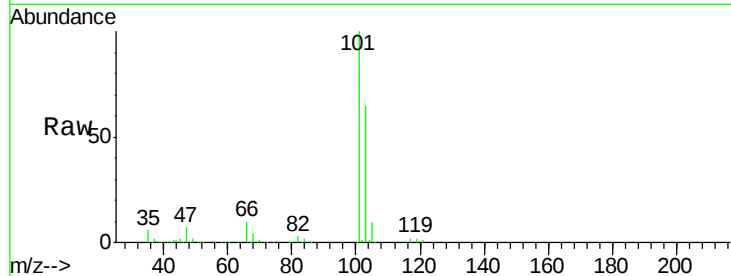
#11
 Trichlorofluoromethane
 Concen: 1.982 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	54.5	81.7

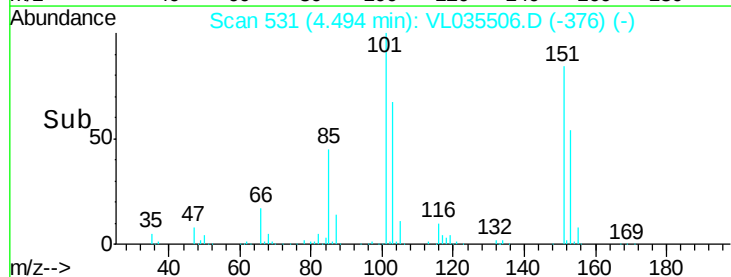
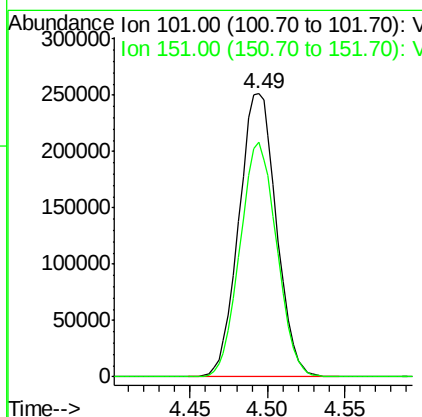
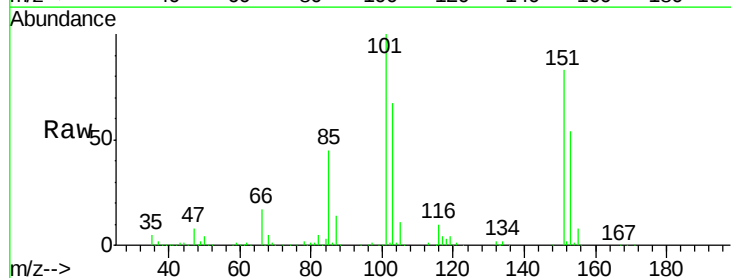
Manual Integrations
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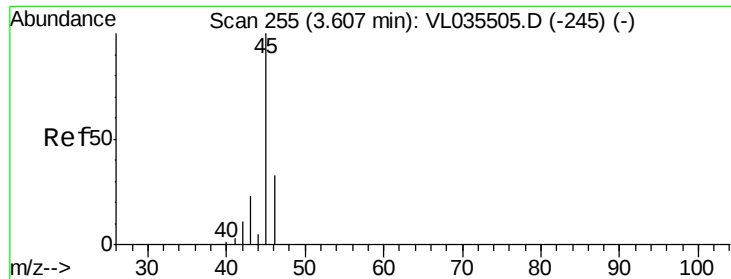
MMDadoda
 8/28/2020 3:17:23 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.958 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
101	100		
151	81.3	63.5	95.3





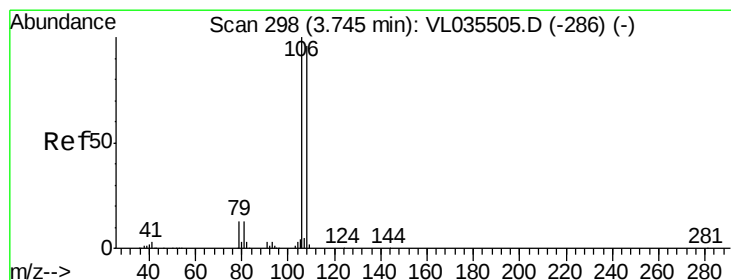
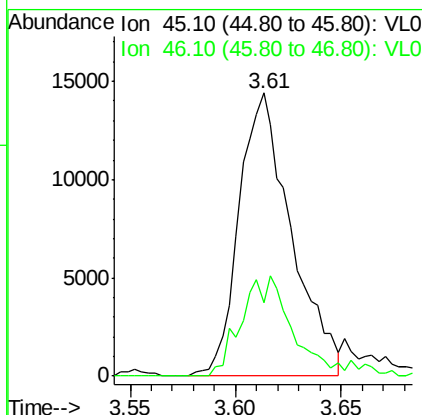
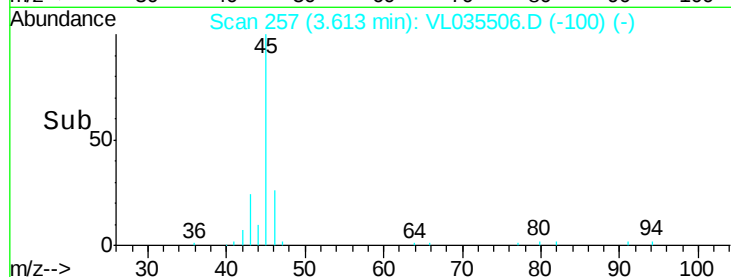
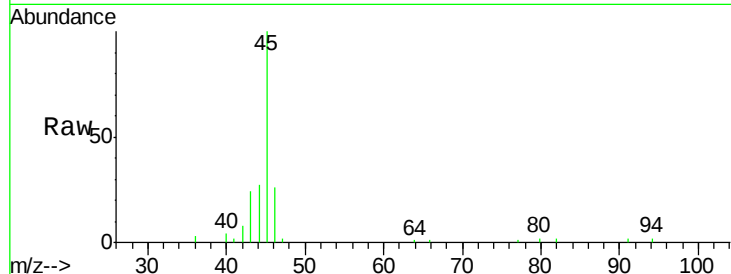
#13
Ethanol
Concen: 1.825 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 45 Resp: 24789
Ion Ratio Lower Upper
45 100
46 36.9 15.2 60.6

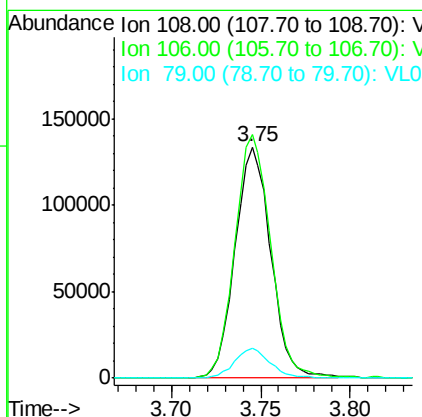
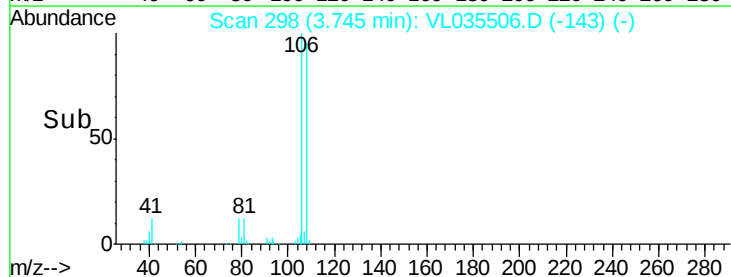
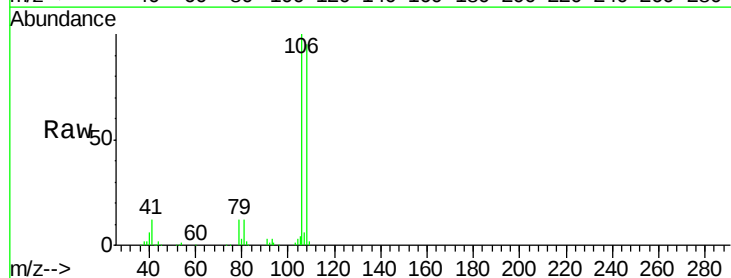
Manual Integrations
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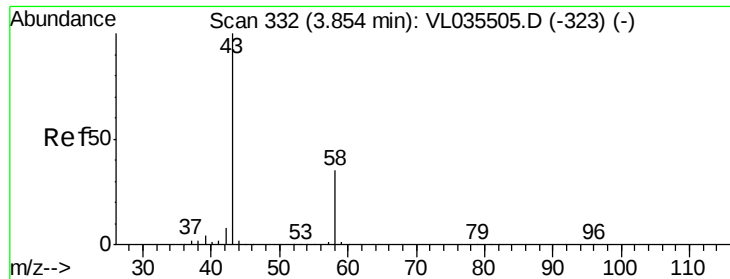
MMDadoda
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#14
Bromoethene
Concen: 1.973 ppbv
RT: 3.75 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion: 108 Resp: 186255
Ion Ratio Lower Upper
108 100
106 106.6 84.9 127.3
79 13.4 10.8 16.2





#15

Acetone

Concen: 2.137 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 252593

Ion Ratio Lower Upper

43 100

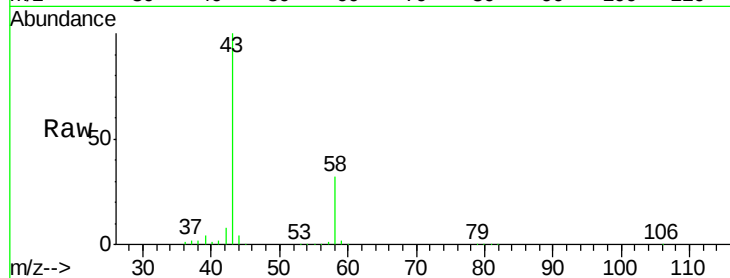
58 37.7 28.4 42.6

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

3.86

200000

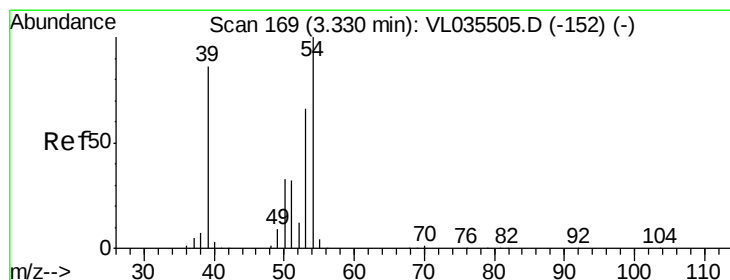
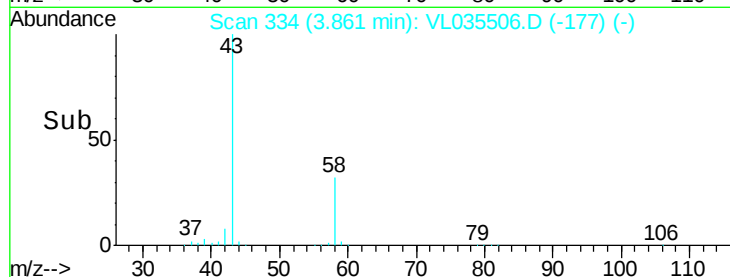
150000

100000

50000

0

Time--> 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 1.969 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL035506.D

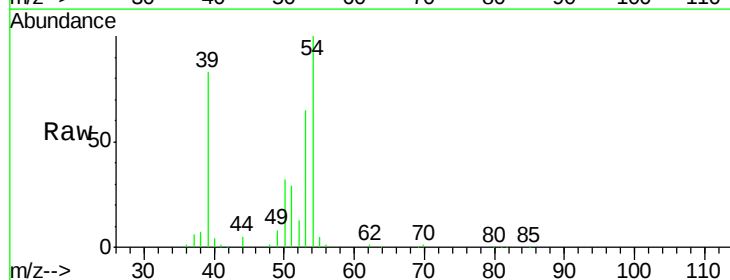
Acq: 27 Aug 2020 2:51

Tgt Ion: 39 Resp: 92433

Ion Ratio Lower Upper

39 100

54 110.8 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

80000

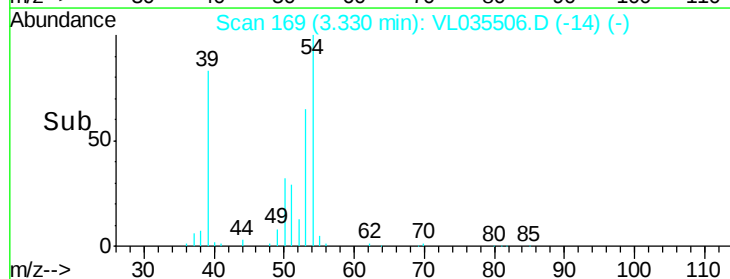
60000

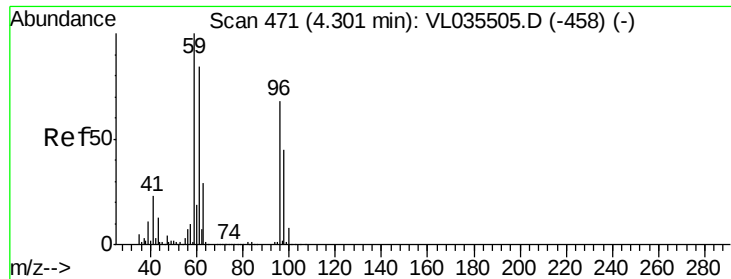
40000

20000

0

Time--> 3.25 3.30 3.35 3.40





#17

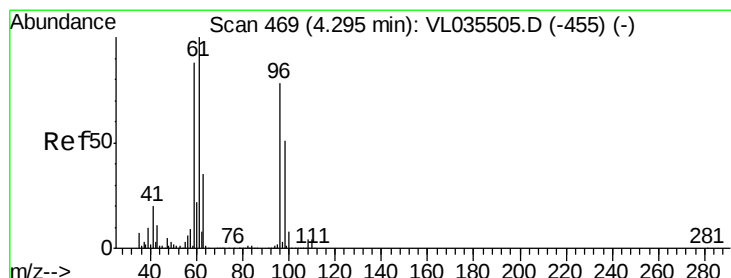
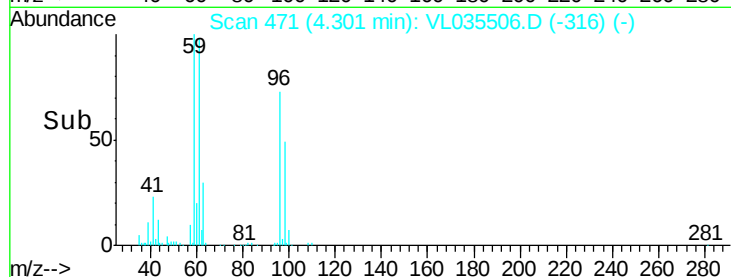
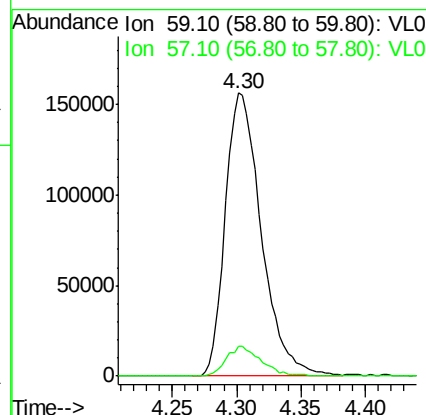
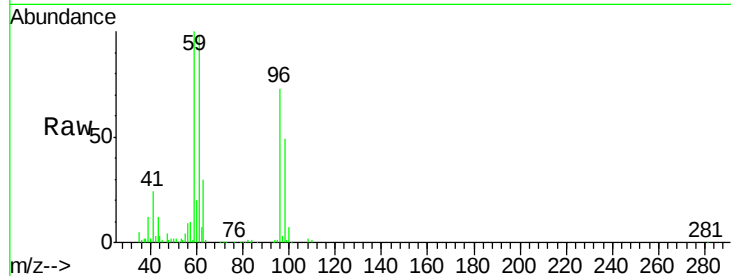
tert-Butyl alcohol
Concen: 2.019 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	59	Resp	303689
Ion Ratio	100	Lower	Upper
57	10.2	8.4	12.6

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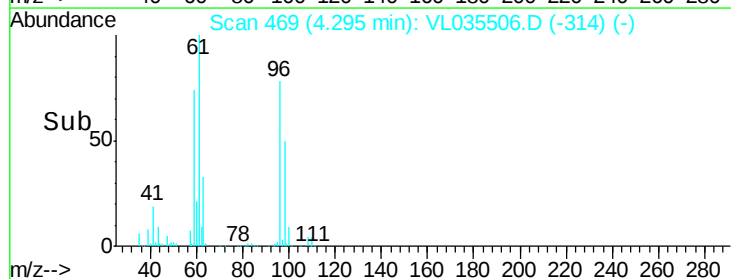
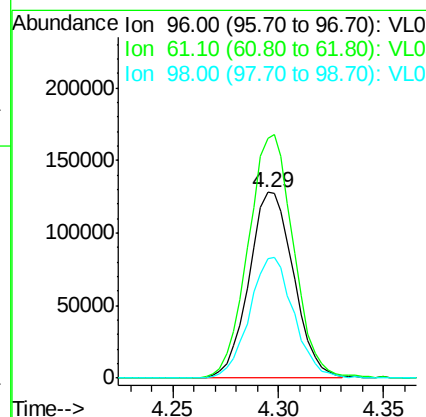
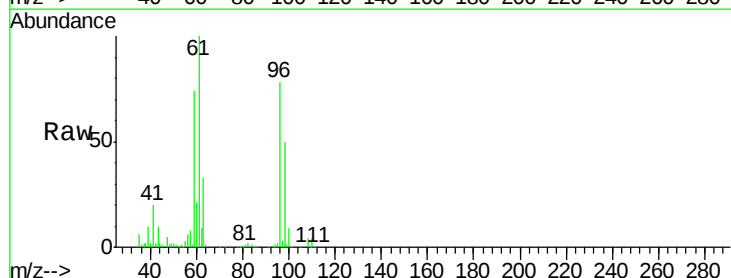
MMDadoda
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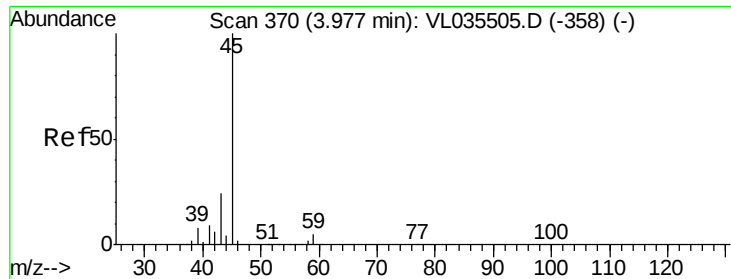


#18

1,1-Dichloroethene
Concen: 1.967 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	96	Resp	188956
Ion Ratio	100	Lower	Upper
61	128.7	103.0	154.6
98	64.3	52.8	79.2





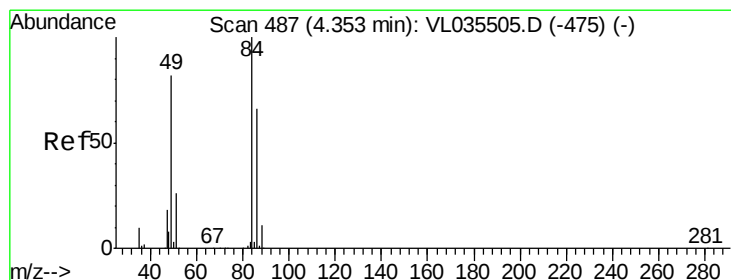
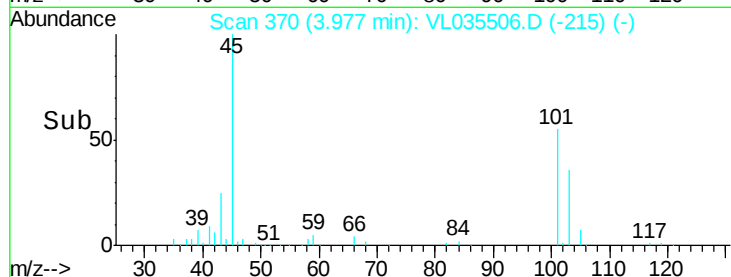
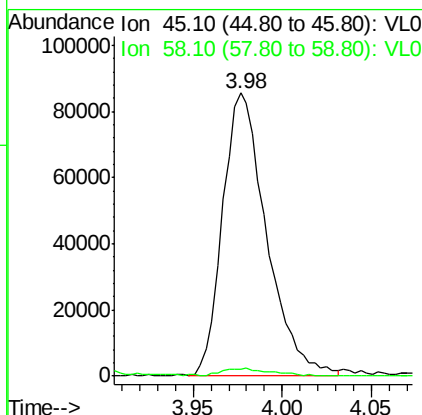
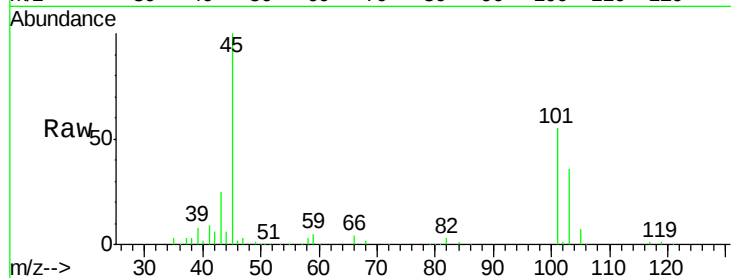
#19
Isopropyl Alcohol
Concen: 1.907 ppbv
RT: 3.98 min Scan# 370
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.4	2.0	3.0#

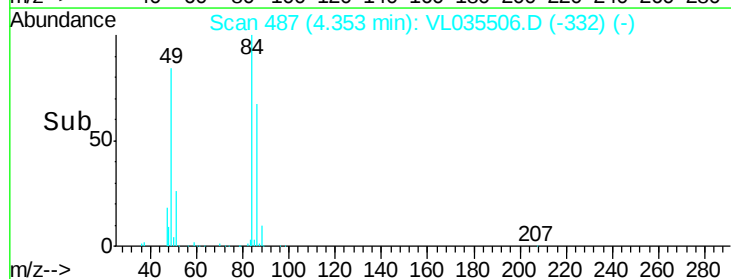
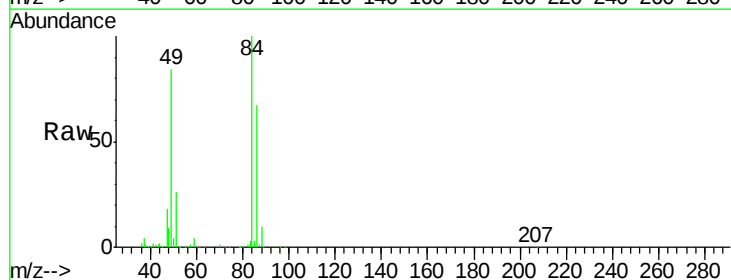
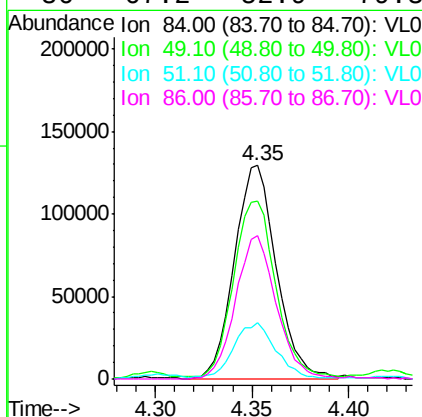
Manual Integrations
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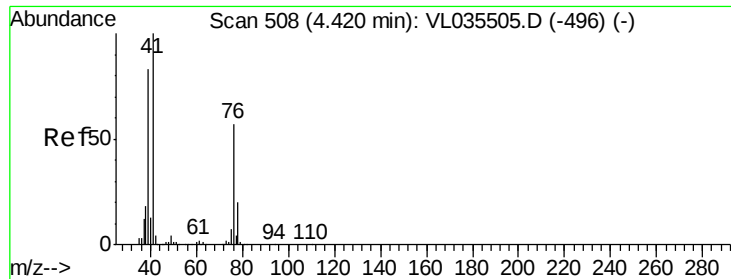
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#20
Methylene Chloride
Concen: 1.539 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	82.8	65.4	98.0
51	25.9	21.5	32.3
86	67.2	52.9	79.3





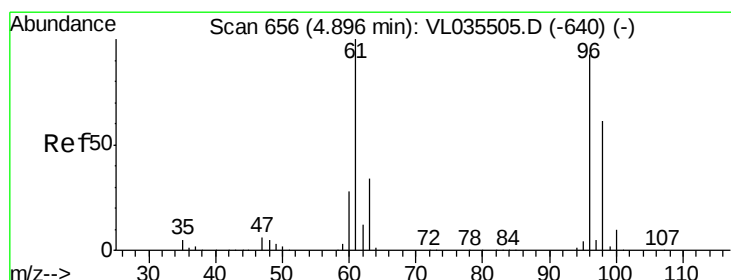
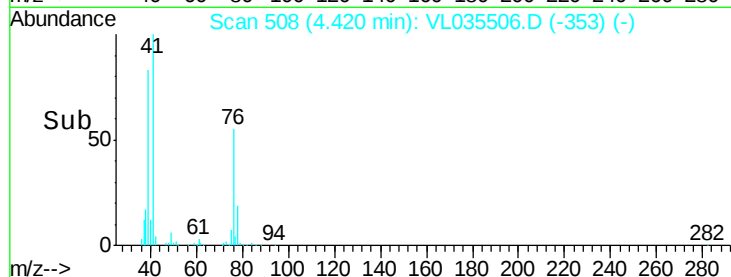
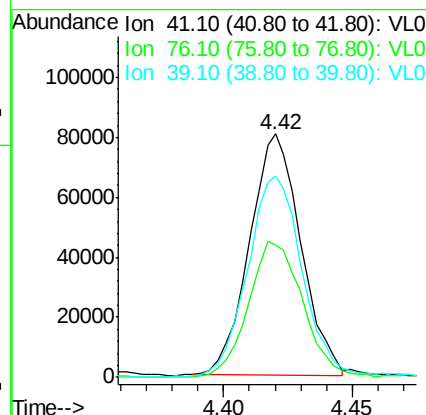
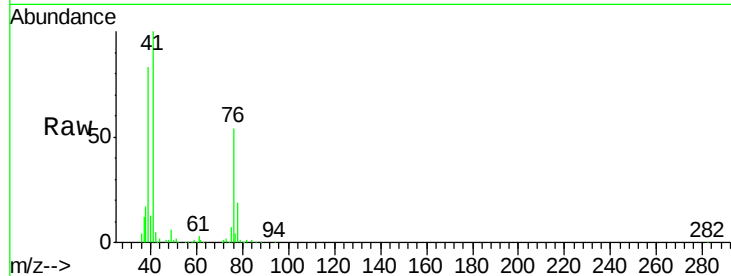
#21
Allvl Chloride
Concen: 1.881 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		112081		
76	60.3	46.2	69.2		
39	88.8	67.8	101.6		

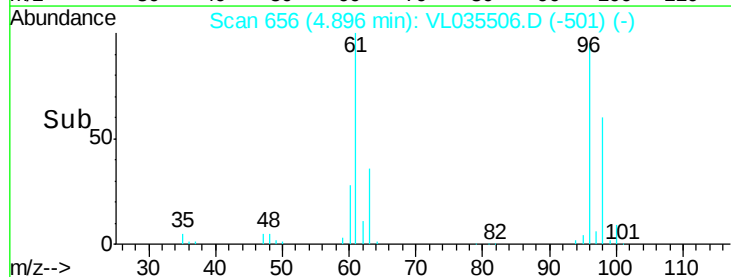
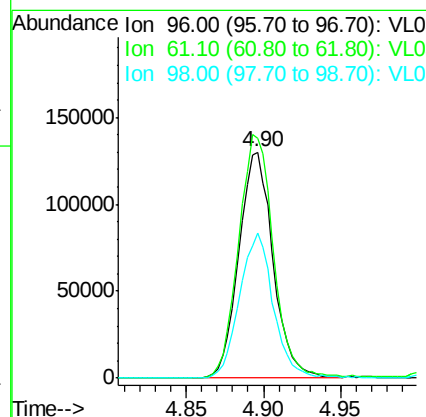
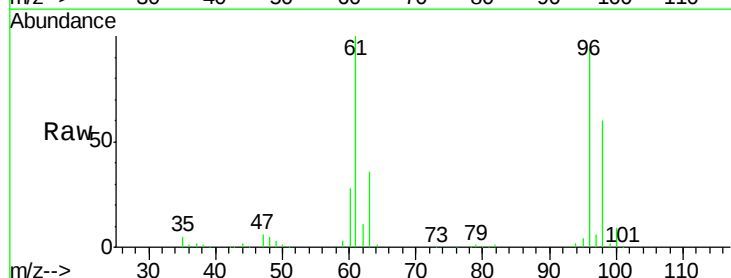
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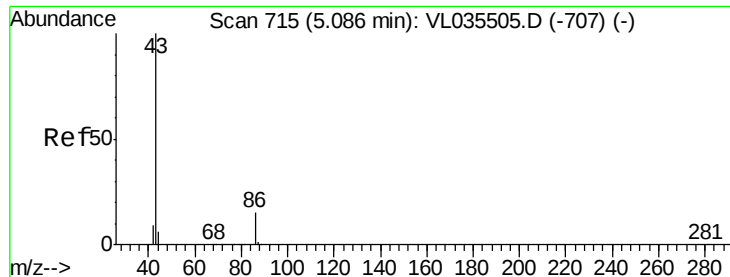
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 1.970 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		199950		
61	105.8	86.0	129.0		
98	63.8	52.3	78.5		





#23

Vinyl Acetate

Concen: 2.054 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

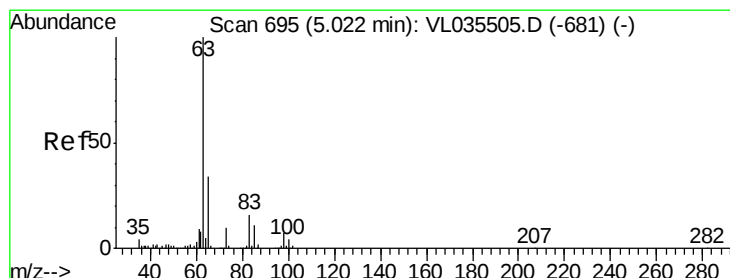
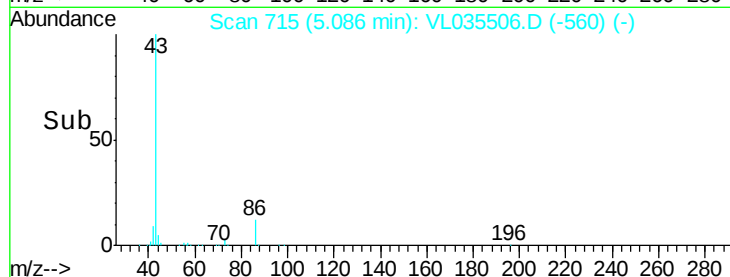
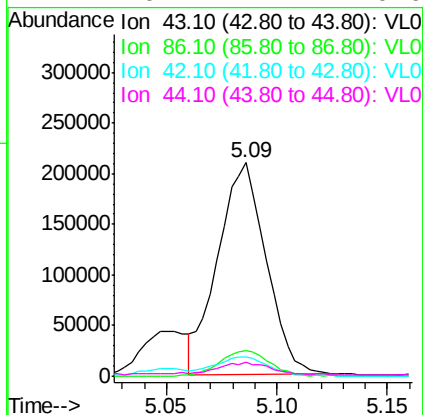
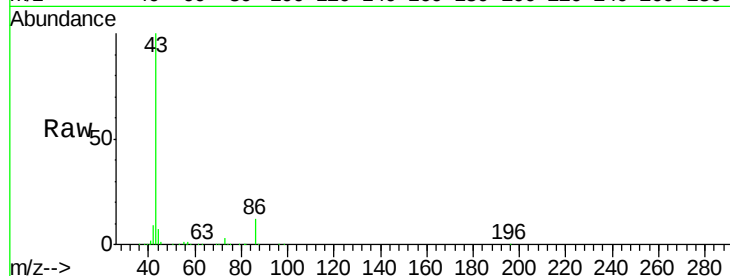
ClientSampleId :

VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		319551		
86	11.7	10.6	16.0		
42	8.8	7.5	11.3		
44	6.2	4.4	6.6		

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 2.032 ppbv

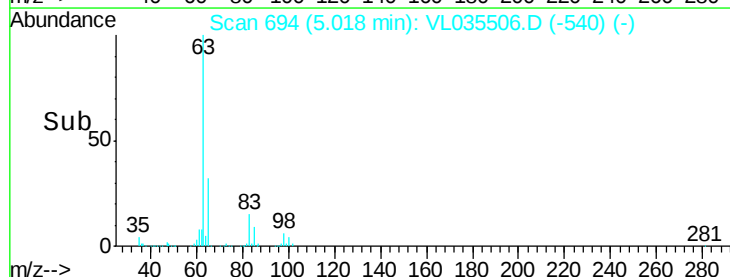
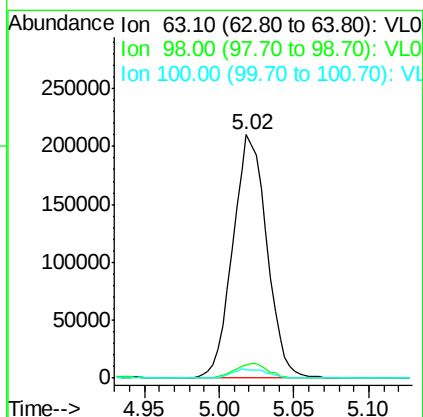
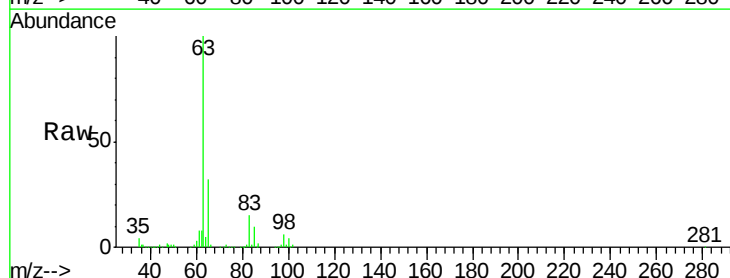
RT: 5.02 min Scan# 694

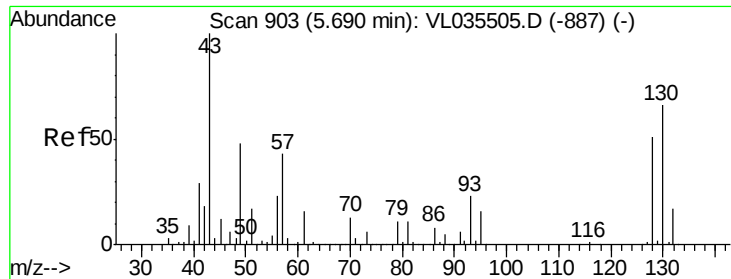
Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		331658		
98	5.6	3.4	10.1		
100	3.6	2.1	6.5		





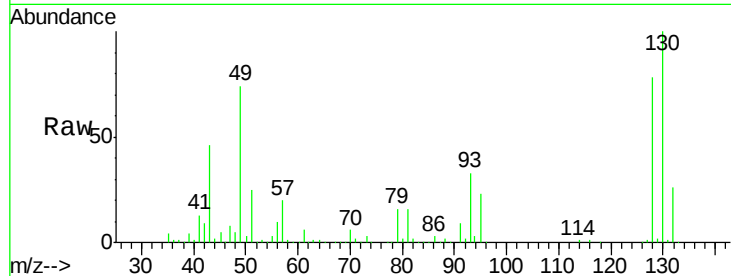
#25
Ethyl Acetate
Concen: 2.017 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.3	8.4	12.6	
61	13.1	10.6	16.0	
70	10.7	9.4	14.2	

Manual Integrations
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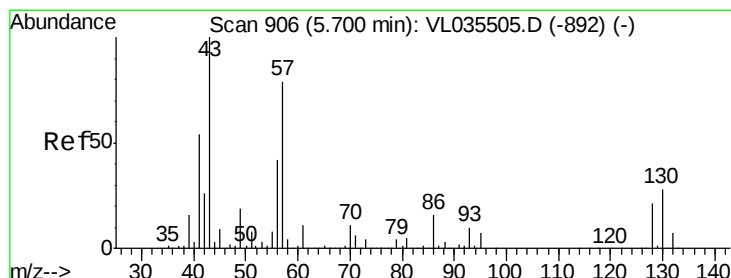
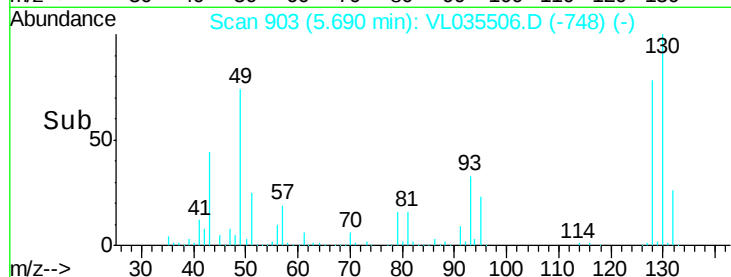
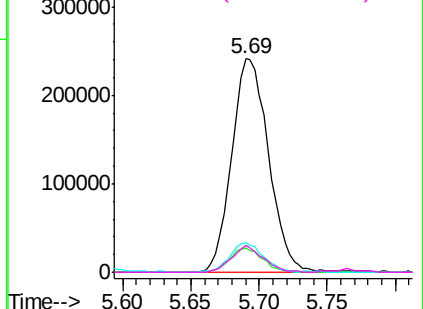
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 1.916 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	70.7	55.9	83.9	
43	175.6	141.8	212.8	
56	52.4	41.8	62.8	

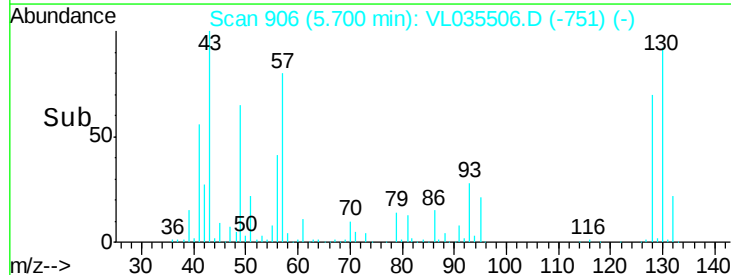
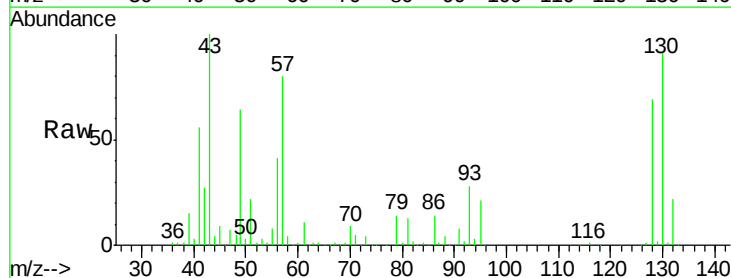
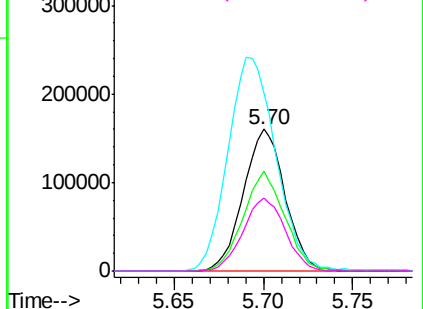
Abundance

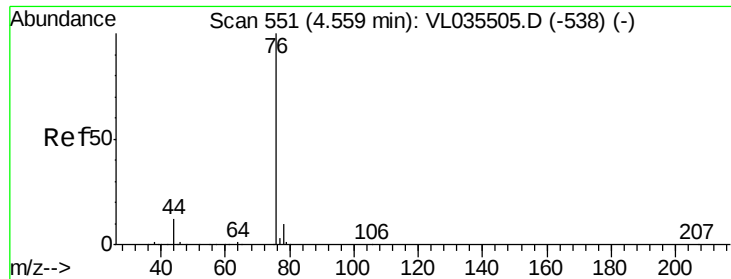
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 1.981 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

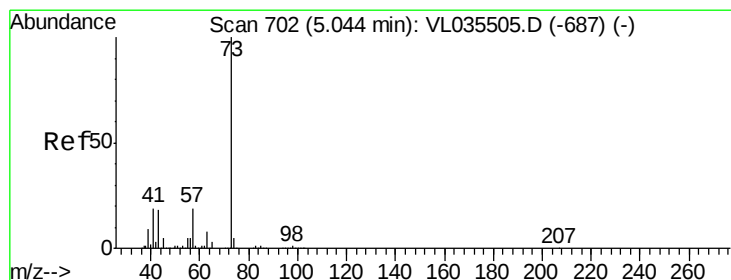
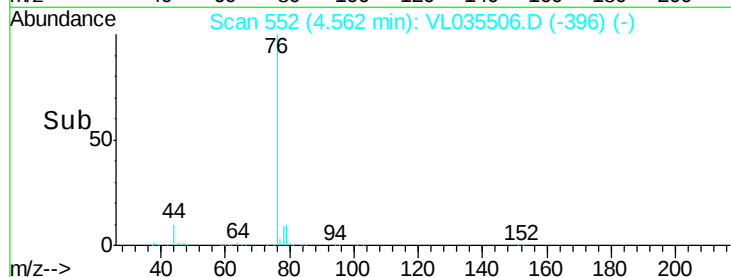
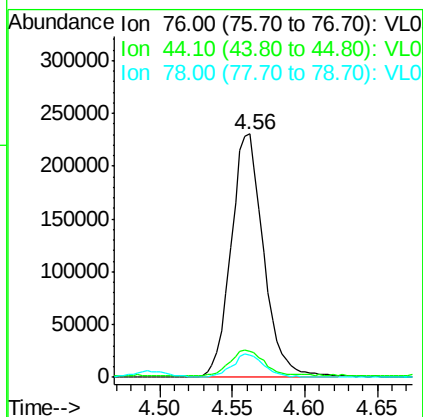
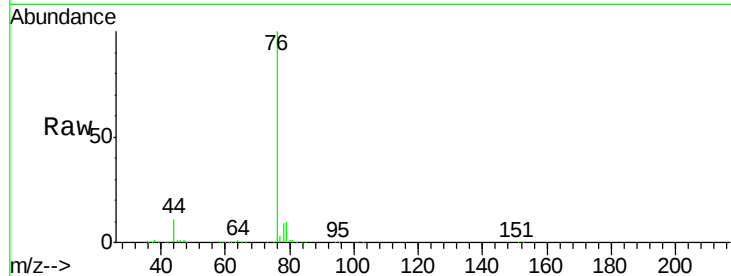
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	358560
Ion Ratio	Lower	Upper	
76	100		
44	11.7	9.3	13.9
78	9.2	7.8	11.6

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#28

Methyl tert-Butyl Ether

Concen: 2.007 ppbv

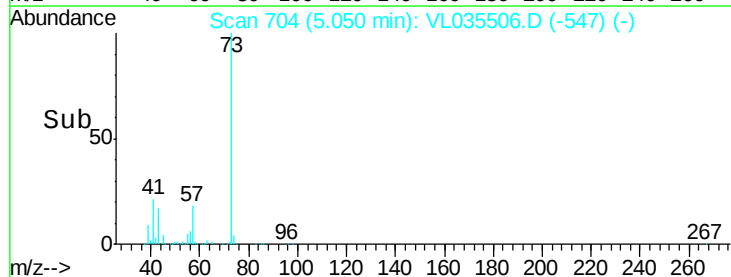
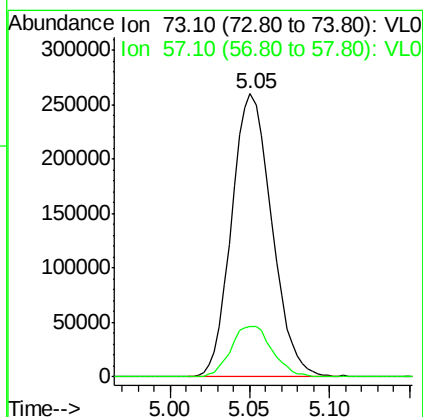
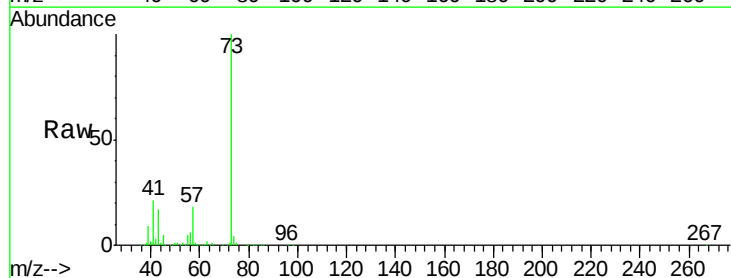
RT: 5.05 min Scan# 704

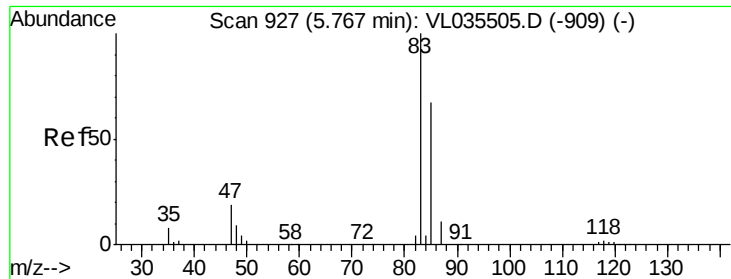
Delta R.T. 0.01 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion:	73	Resp:	443309
Ion Ratio	Lower	Upper	
73	100		
57	18.6	15.2	22.8





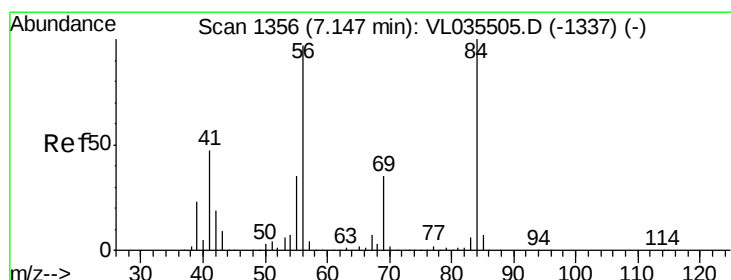
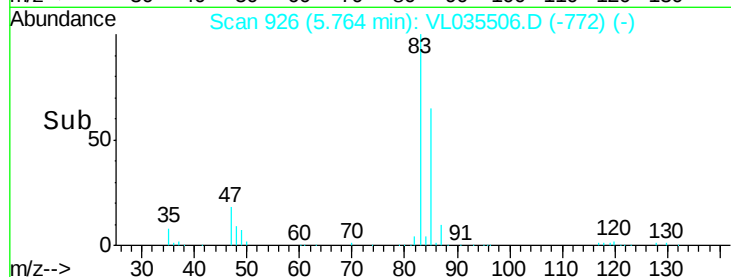
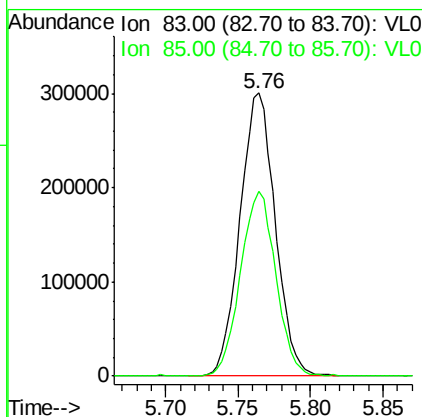
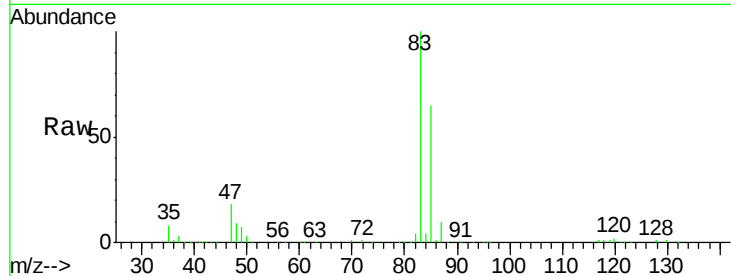
#29
Chloroform
Concen: 1.975 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	509733
Ion Ratio	100	Lower	Upper
85	65.1	53.9	80.9

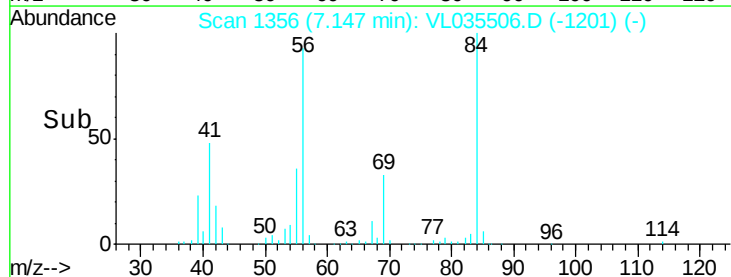
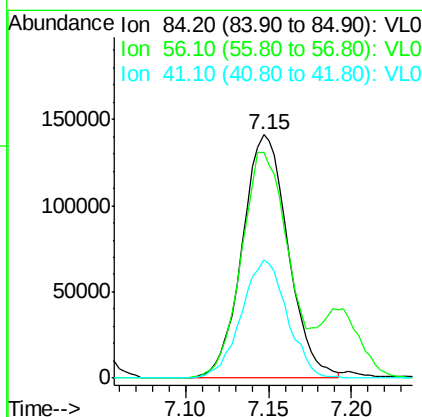
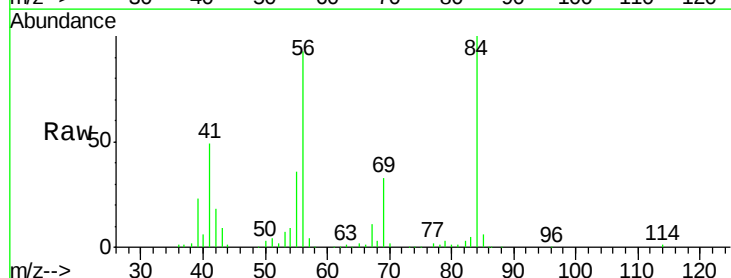
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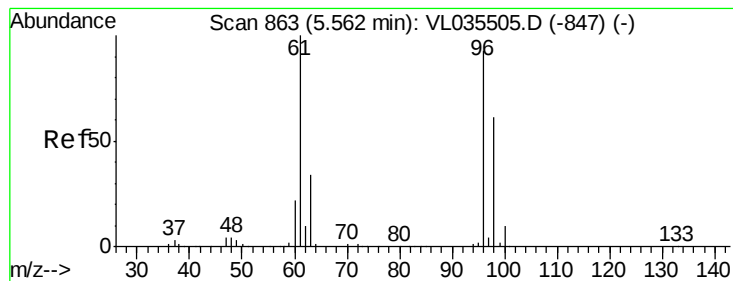
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#30
Cyclohexane
Concen: 1.996 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	84	Resp	272800
Ion Ratio	100	Lower	Upper
56	119.9	80.1	120.1
41	48.4	38.1	57.1





#31

cis-1,2-Dichloroethene

Concen: 2.015 ppbv

RT: 5.56 min Scan# 863

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

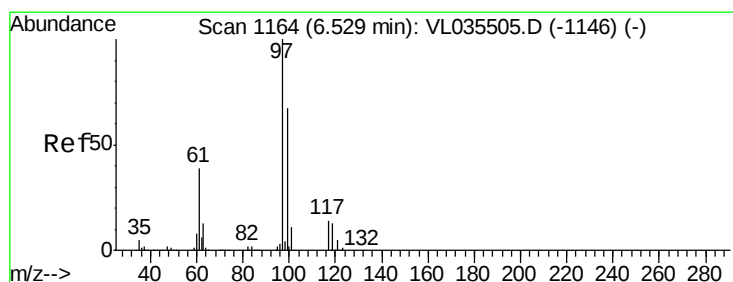
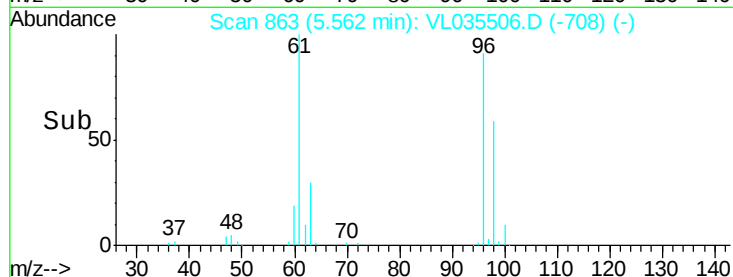
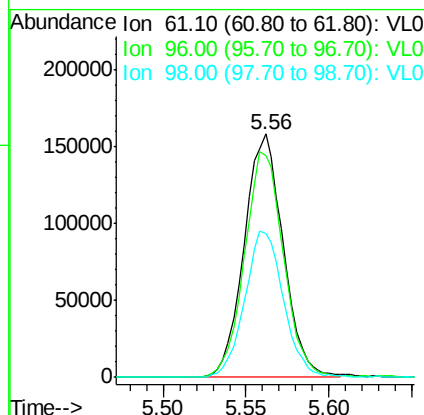
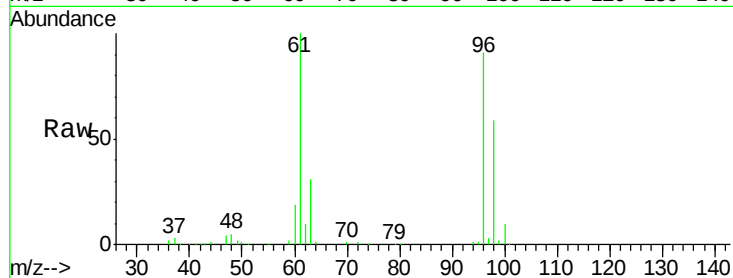
ClientSampleId :

VSTDIC002

Tot Ion:	61	Resp:	259026
Ion Ratio	Lower	Upper	
61	100		
96	91.0	74.4	111.6
98	59.0	49.2	73.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 2.031 ppbv

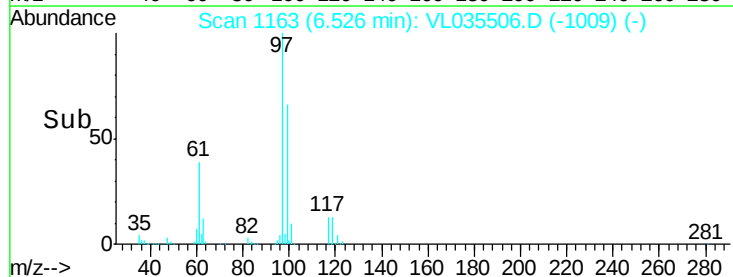
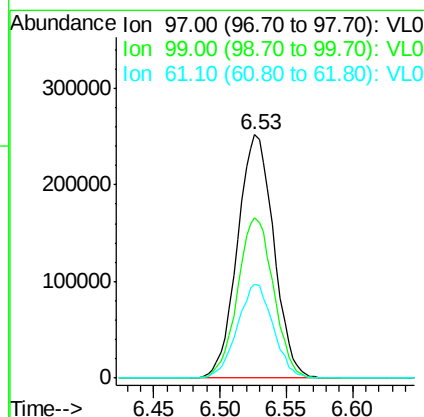
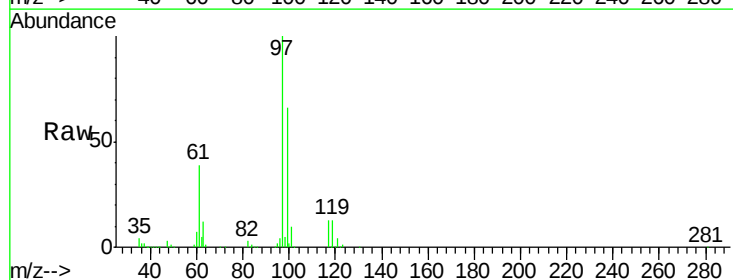
RT: 6.53 min Scan# 1163

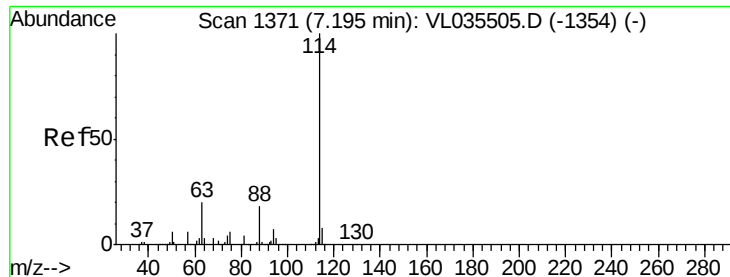
Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion:	97	Resp:	478621
Ion Ratio	Lower	Upper	
97	100		
99	65.4	53.3	79.9
61	38.0	30.6	46.0





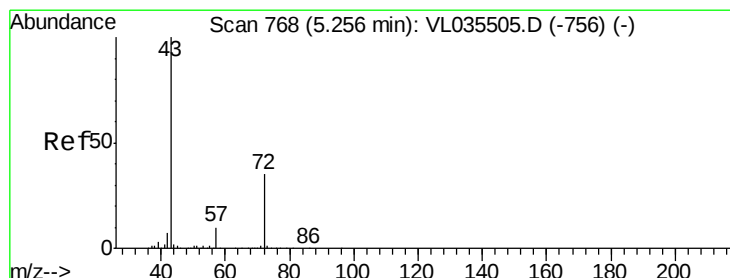
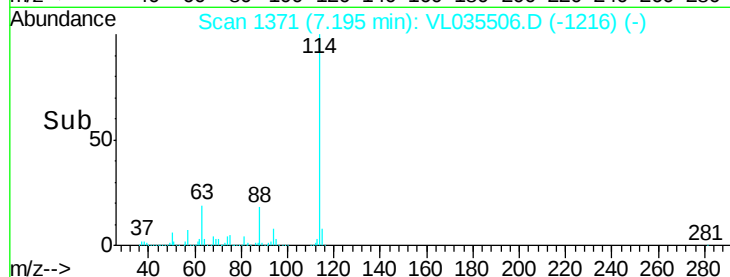
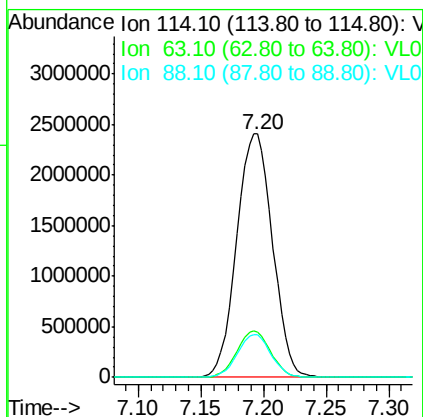
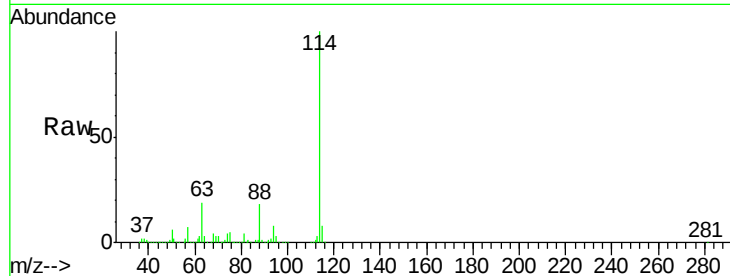
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 4778482
 Ion Ratio Lower Upper
 114 100
 63 18.1 14.7 22.1
 88 16.7 13.4 20.2

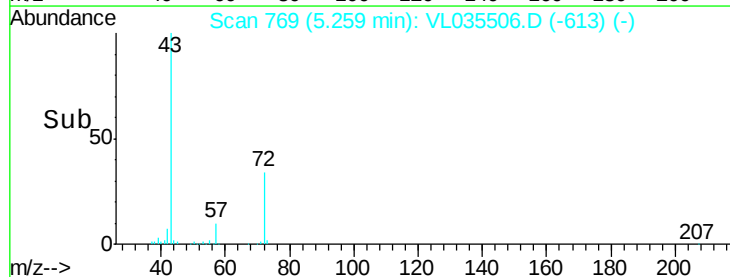
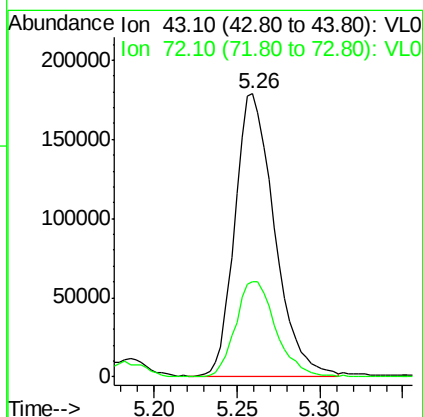
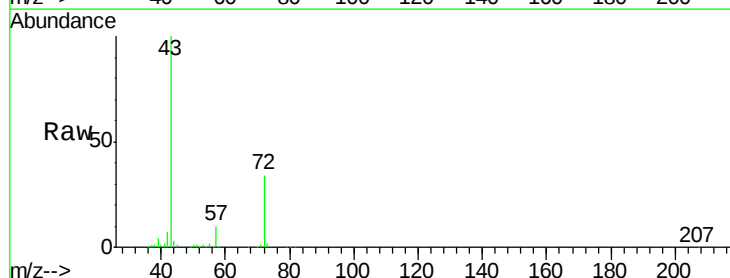
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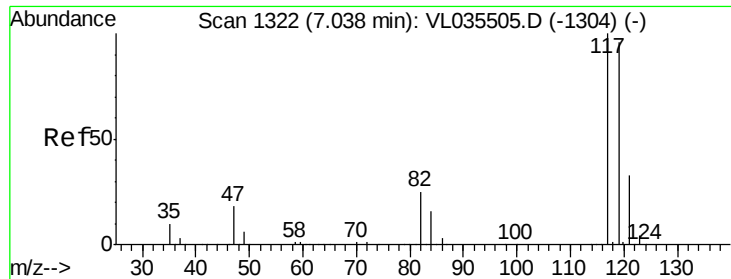
MMDadoda
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#34
 2-Butanone
 Concen: 2.097 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion: 43 Resp: 296247
 Ion Ratio Lower Upper
 43 100
 72 34.3 27.7 41.5





#35

Carbon Tetrachloride

Concen: 2.134 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

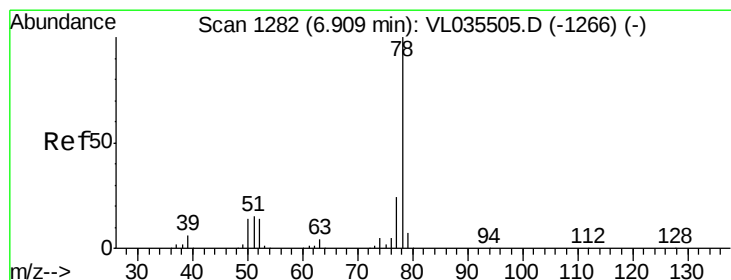
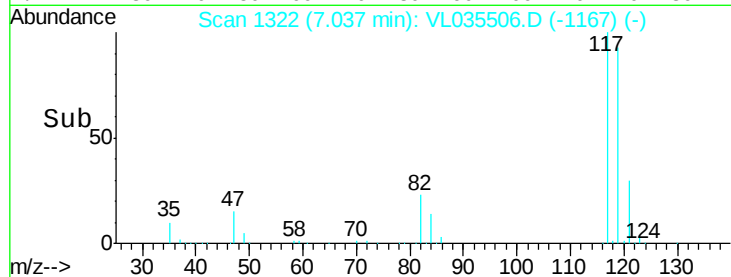
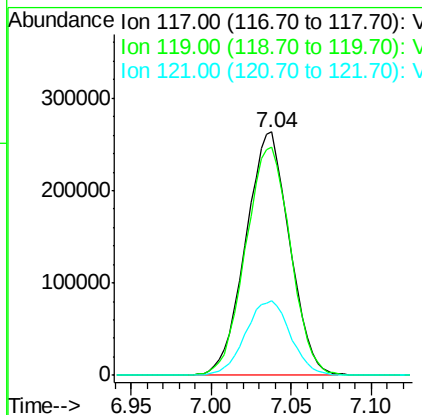
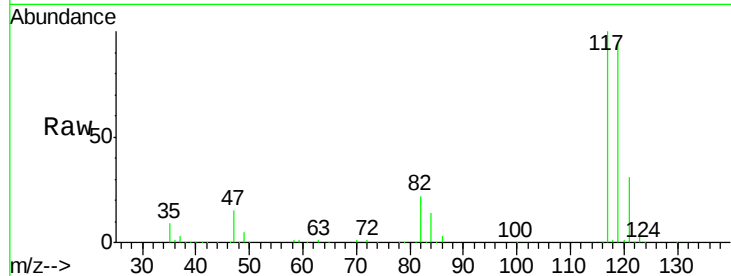
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.2	115.8
121	30.8	26.1	39.1

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#36

Benzene

Concen: 2.102 ppbv

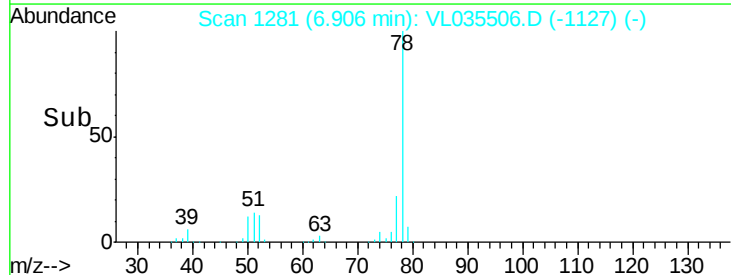
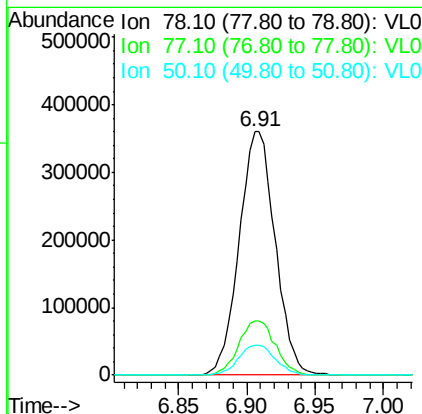
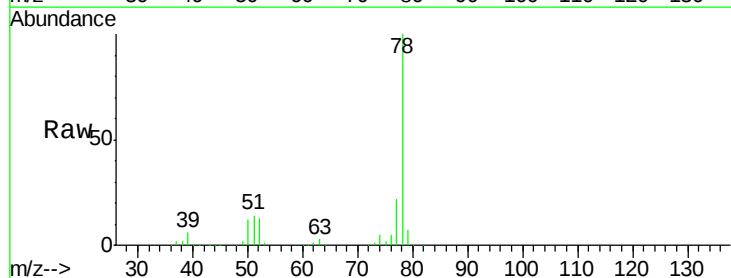
RT: 6.91 min Scan# 1281

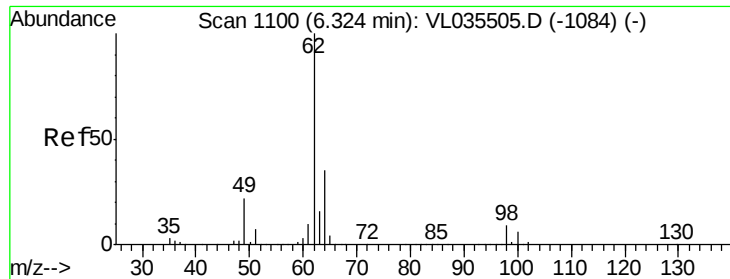
Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.3	28.9
50	12.4	11.0	16.6





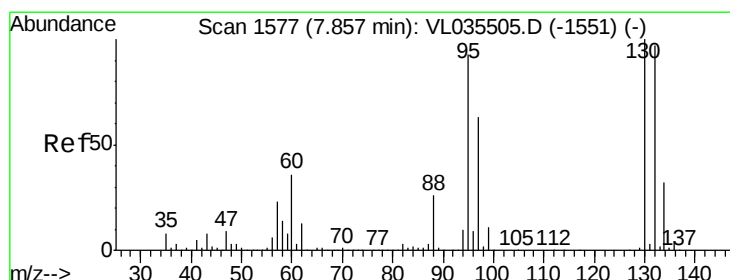
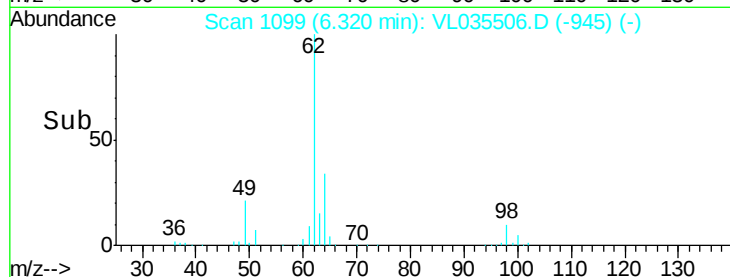
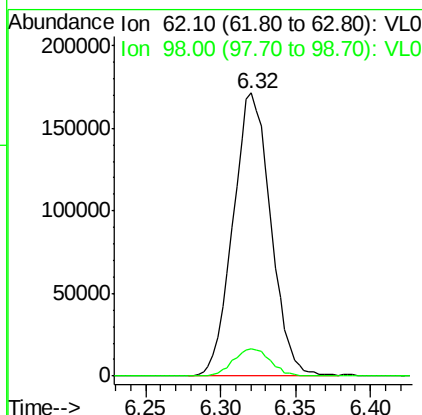
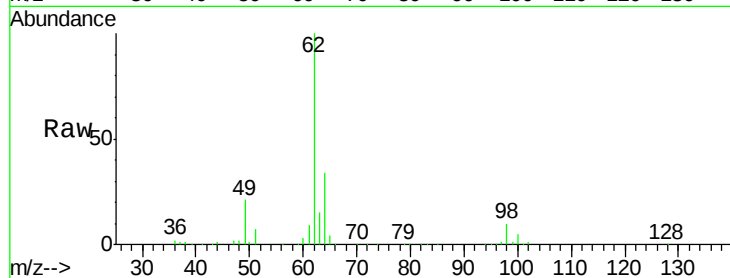
#37
 1,2-Dichloroethane
 Concen: 2.024 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	301362		
98	9.6	7.4	11.0	

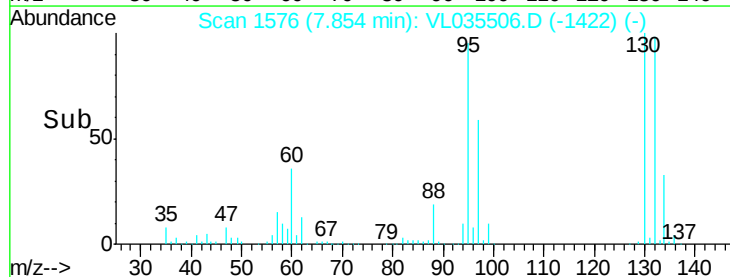
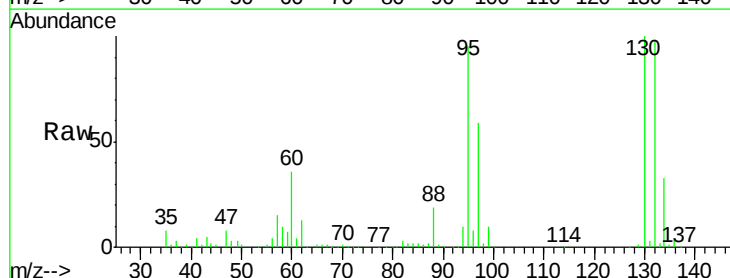
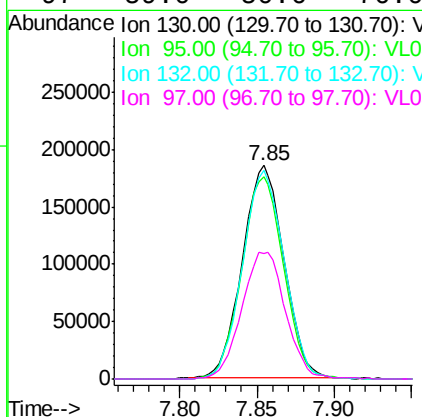
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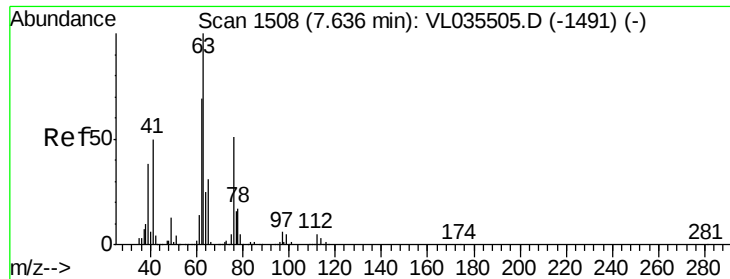
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#38
 Trichloroethene
 Concen: 2.009 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	348972		
95	95.0	74.6	112.0	
132	98.2	77.6	116.4	
97	59.0	50.6	76.0	





#39

1,2-Dichloropropane

Concen: 2.076 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

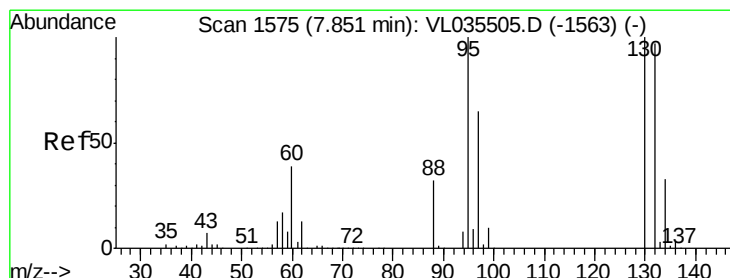
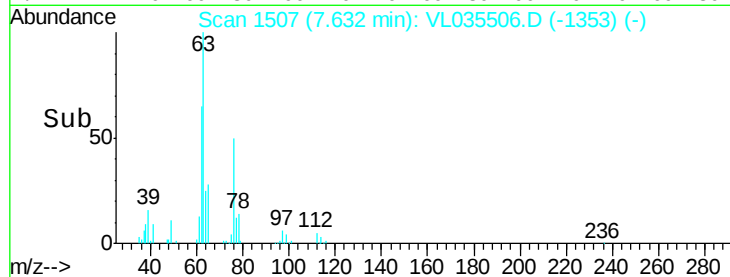
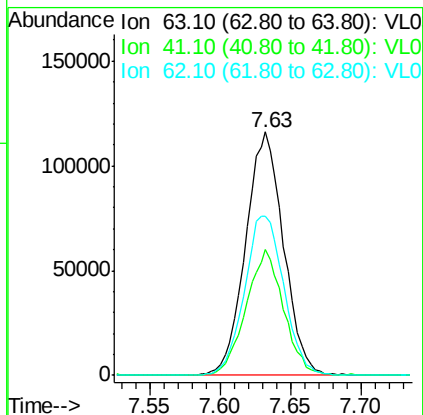
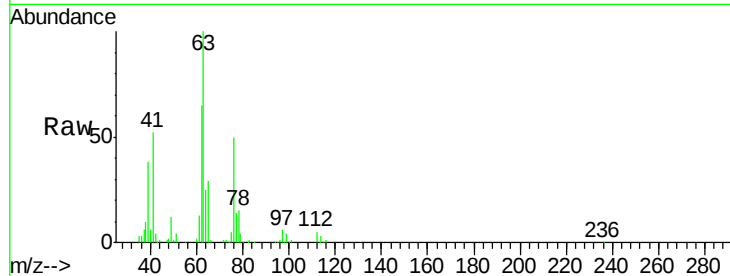
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	218544
Ion Ratio	Lower	Upper	
63	100		
41	51.5	40.0	60.0
62	65.2	55.4	83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 2.093 ppbv

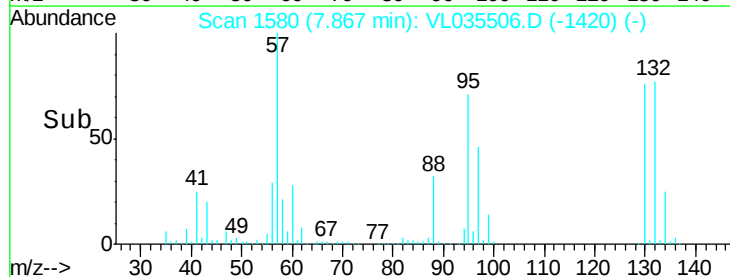
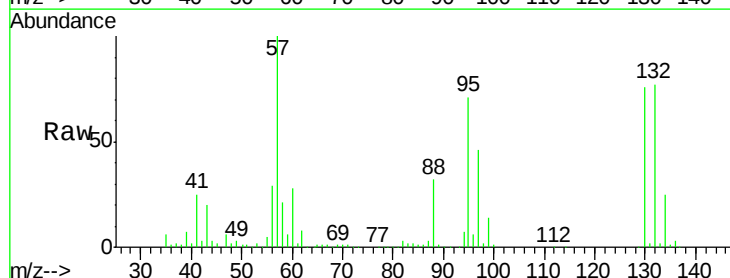
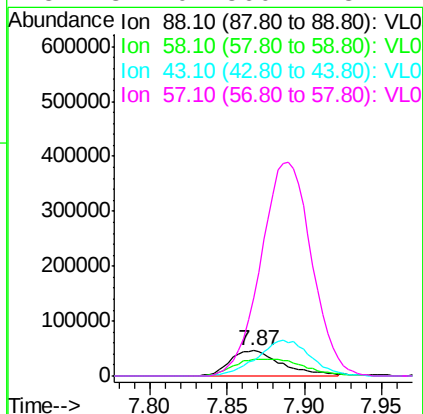
RT: 7.87 min Scan# 1580

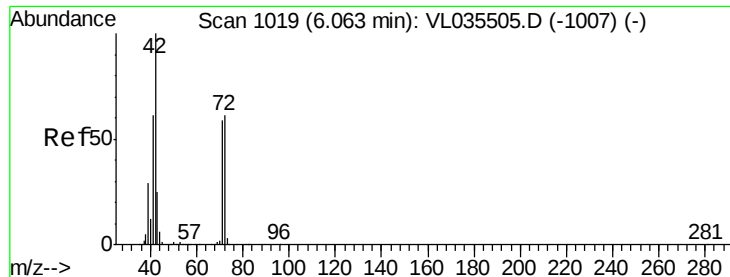
Delta R.T. 0.02 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion:	88	Resp:	108514
Ion Ratio	Lower	Upper	
88	100		
58	92.5	68.7	103.1
43	146.6	104.3	156.5
57	822.0	560.7	841.1





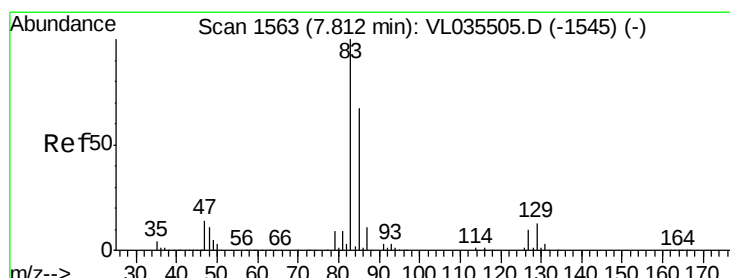
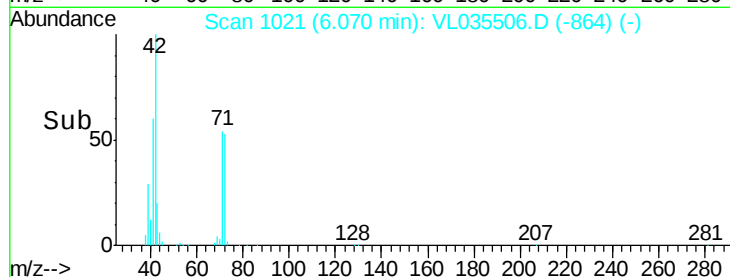
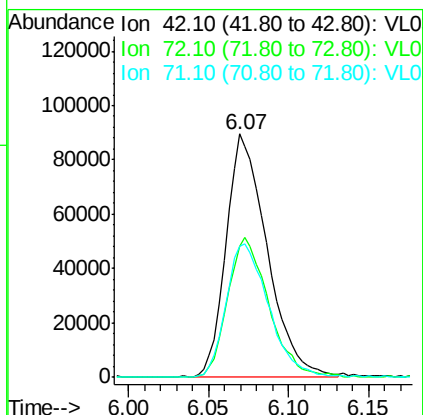
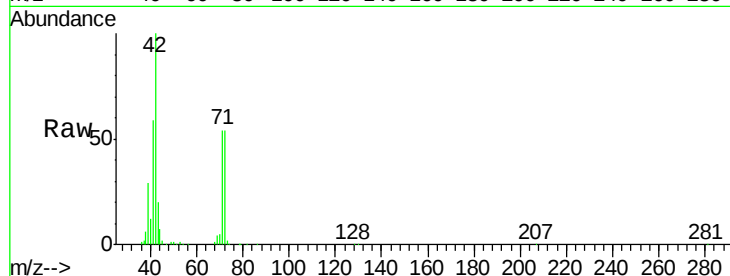
#41
Tetrahydrofuran
Concen: 2.042 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.6	48.6	73.0
71	57.7	46.1	69.1

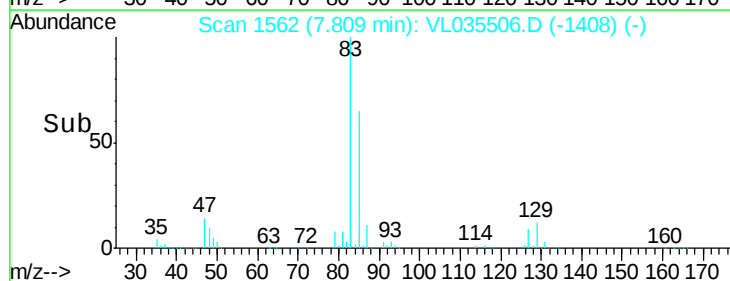
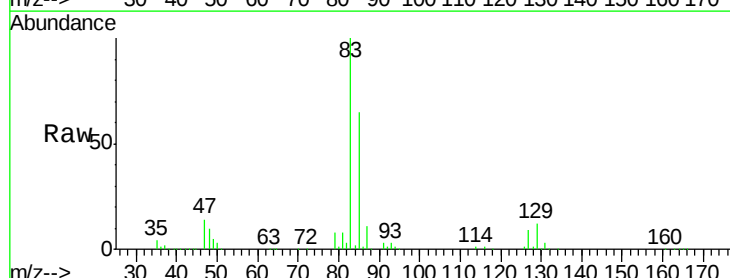
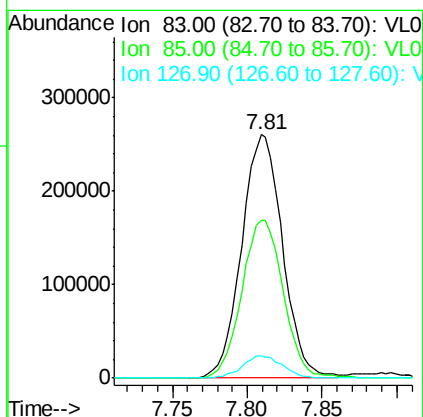
Manual Integrations
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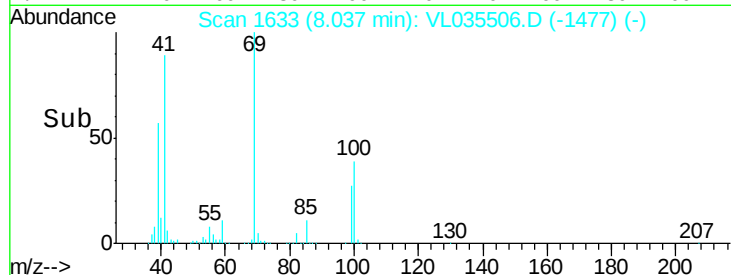
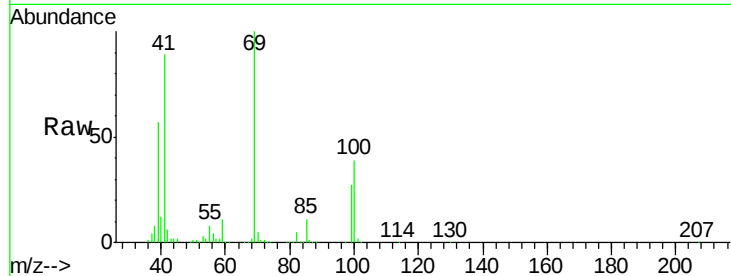
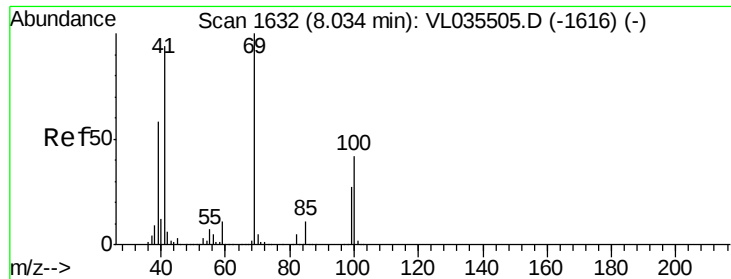
MMDadoda
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#42
Bromodichloromethane
Concen: 2.040 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.7	80.5
127	9.1	8.1	12.1





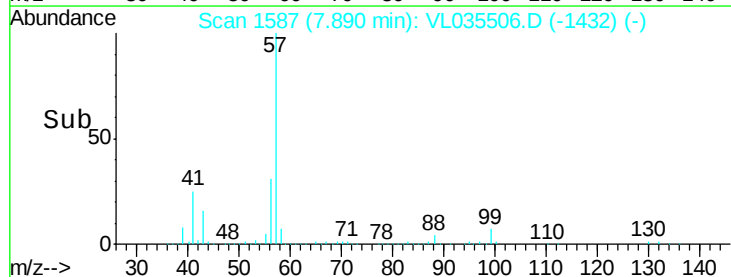
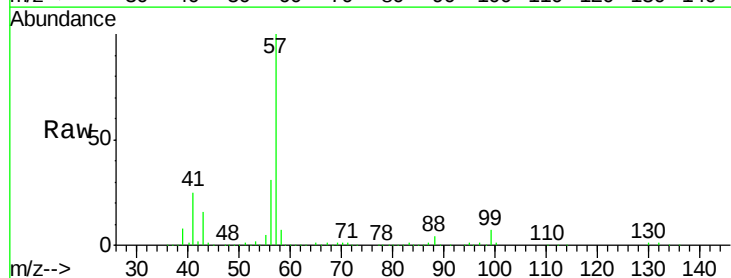
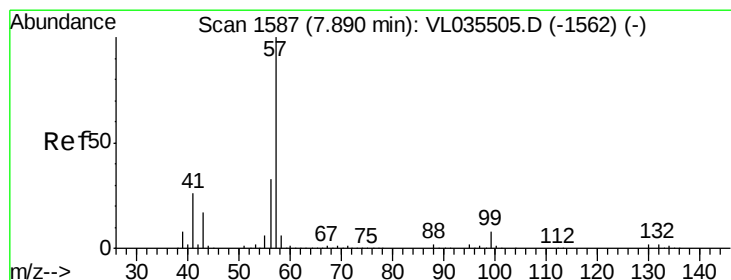
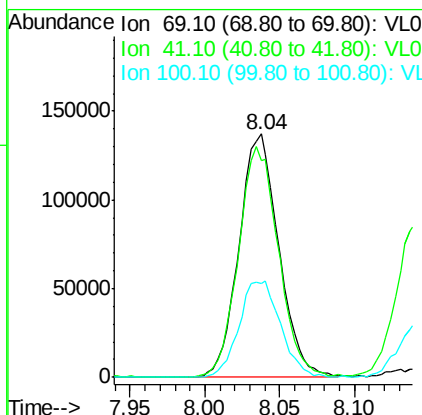
#43
Methvl Methacrilate
Concen: 2.089 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		254319		
41	95.0	76.6	114.8		
100	41.0	33.8	50.6		

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

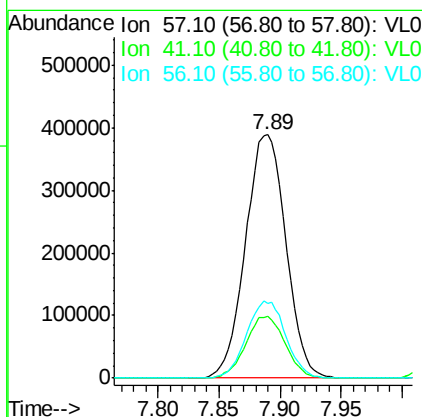
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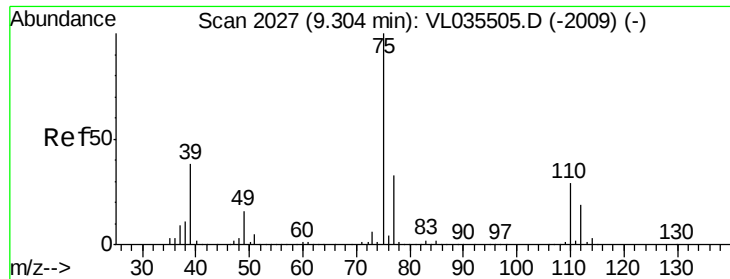
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 2.162 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		890205		
41	24.7	20.5	30.7		
56	30.8	25.3	37.9		





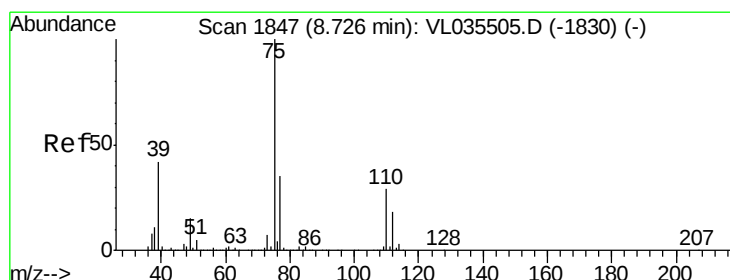
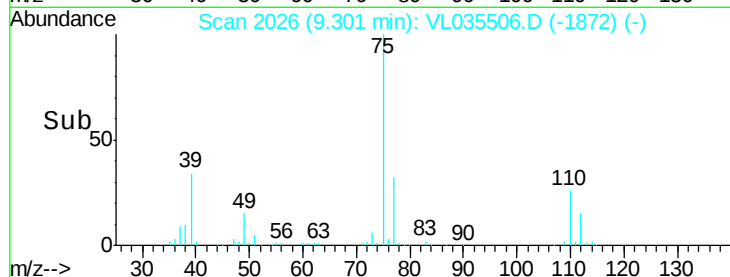
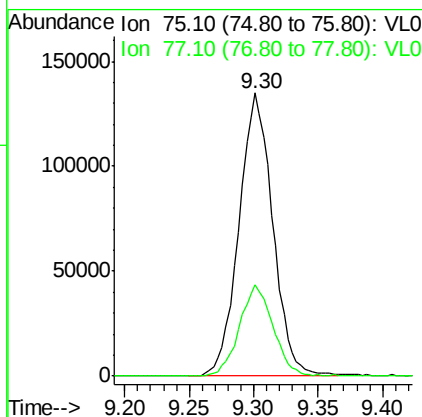
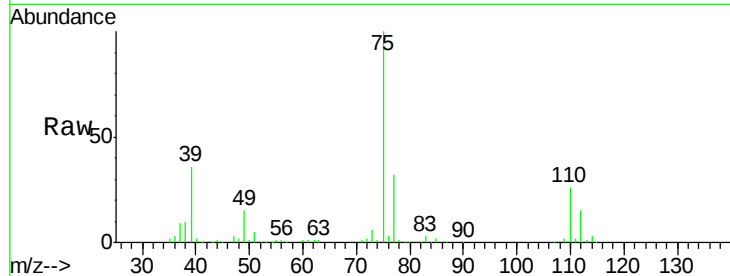
#45
t-1,3-Dichloropropene
Concen: 1.980 ppbv
RT: 9.30 min Scan# 2026
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.5	39.7

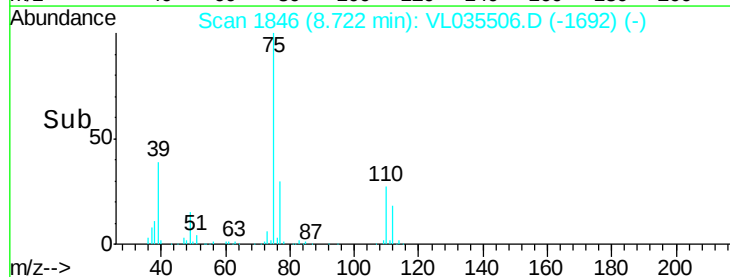
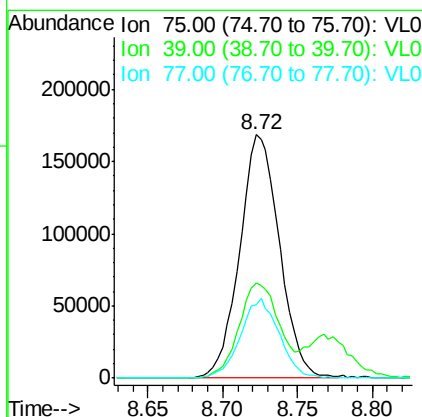
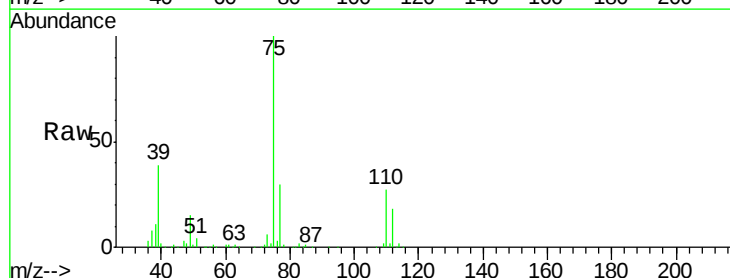
Manual Integrations
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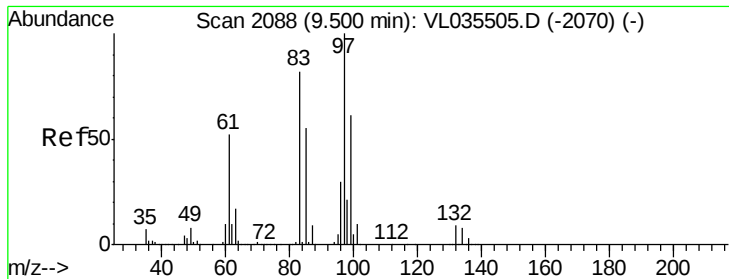
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#46
cis-1,3-Dichloropropene
Concen: 2.023 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
75	100		
39	38.8	33.7	50.5
77	30.2	27.8	41.6





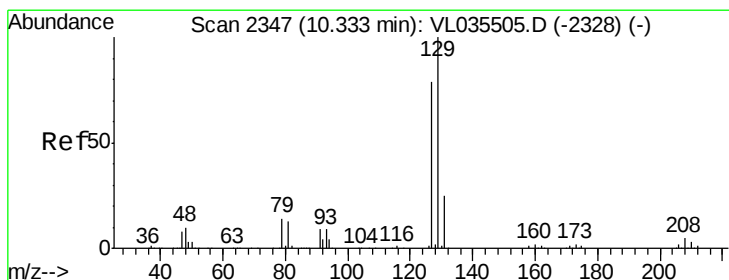
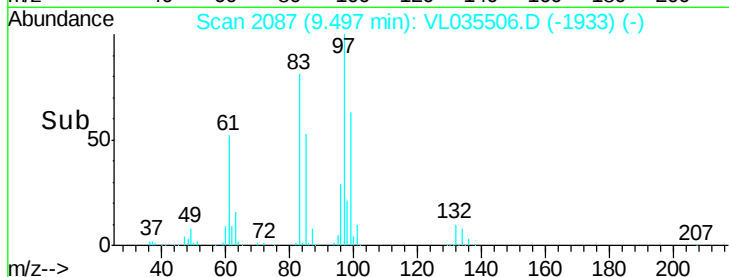
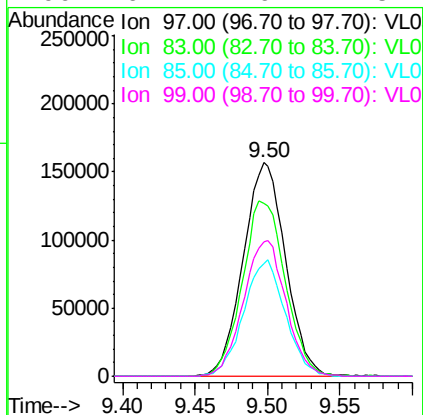
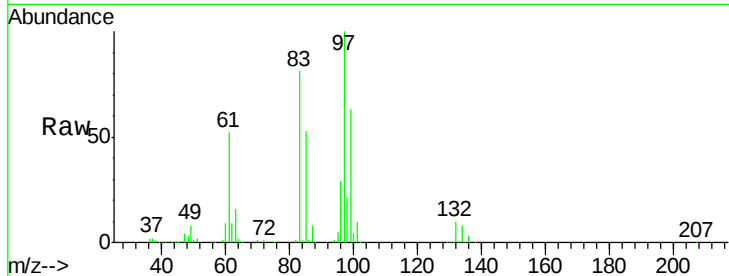
#47
 1,1,2-Trichloroethane
 Concen: 2.027 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		318983		
83	81.1	65.4	98.2		
85	52.9	43.7	65.5		
99	62.7	49.1	73.7		

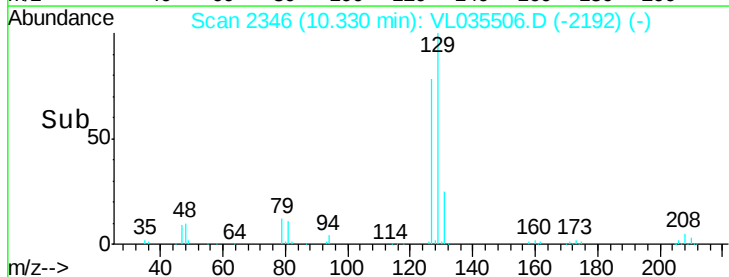
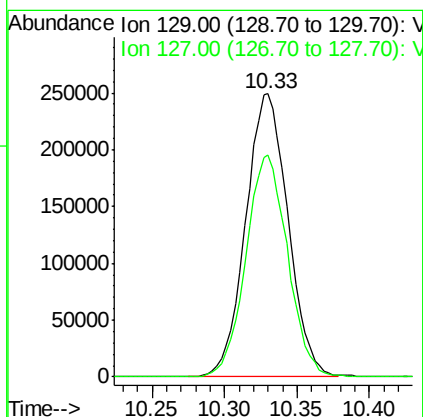
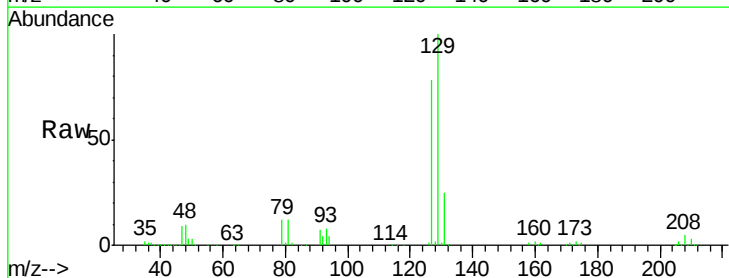
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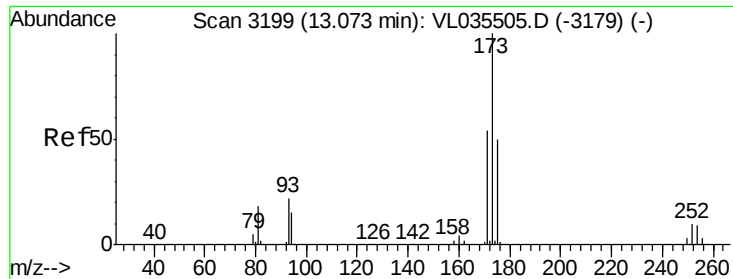
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#48
 Dibromochloromethane
 Concen: 2.027 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		506440		
127	77.5	39.3	117.8		





#49

Bromoform

Concen: 1.974 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

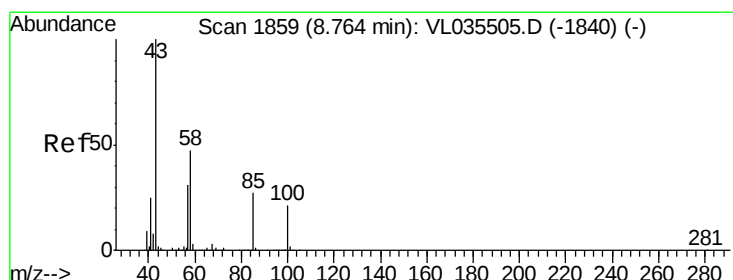
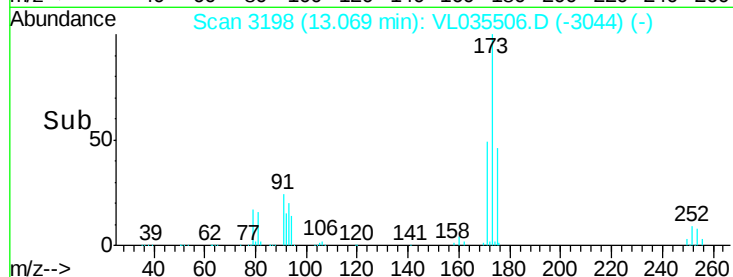
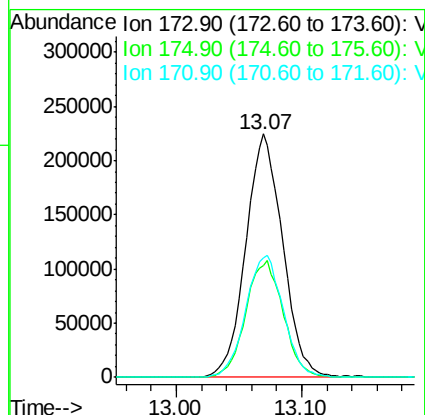
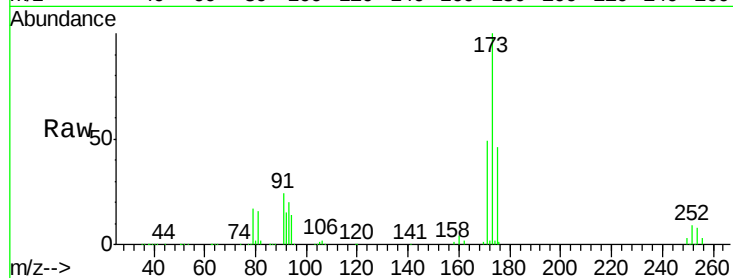
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.8	59.8
171	51.4	42.4	63.6

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#50

4-Methyl-2-Pentanone

Concen: 2.150 ppbv

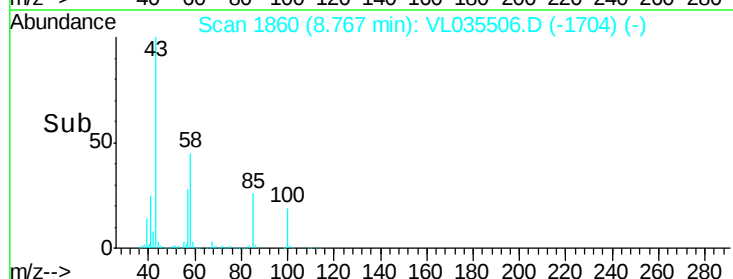
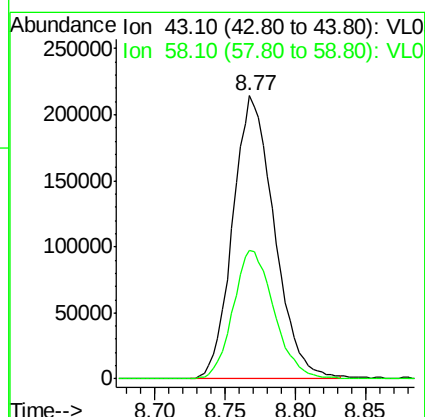
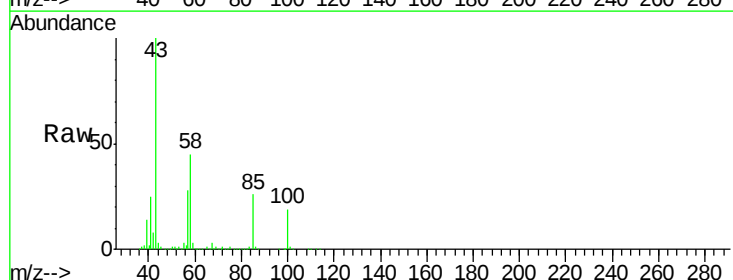
RT: 8.77 min Scan# 1860

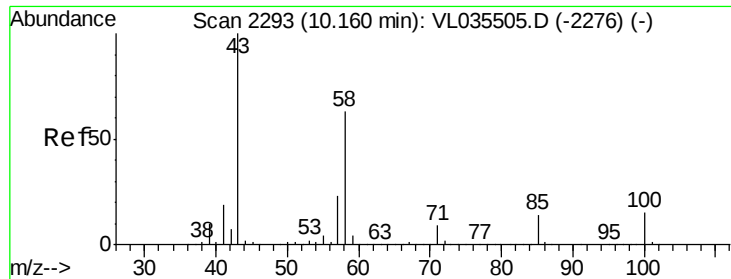
Delta R.T. 0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.5	37.4	56.0





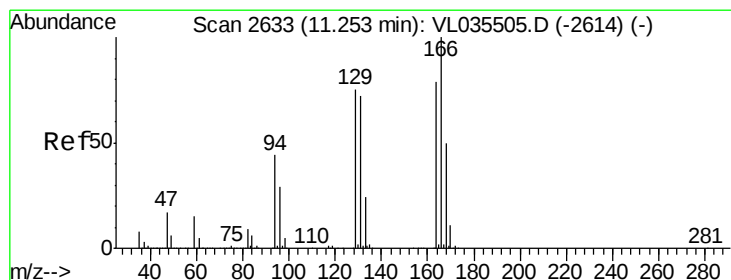
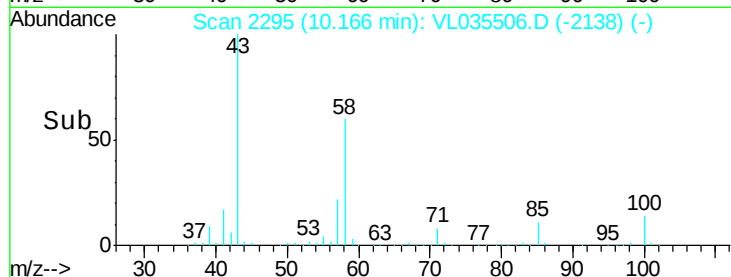
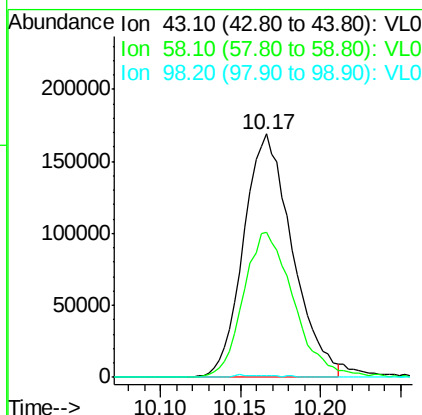
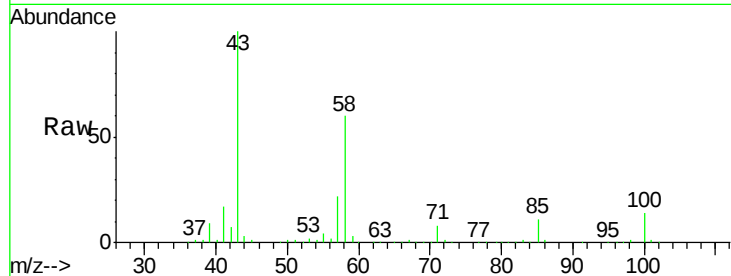
#51
2-Hexanone
Concen: 2.117 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	62.2	50.2	75.4
98	1.1	0.4	0.6

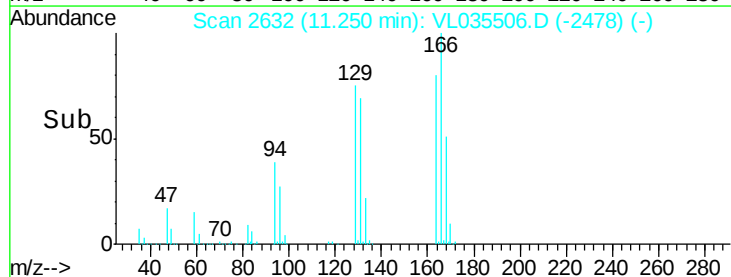
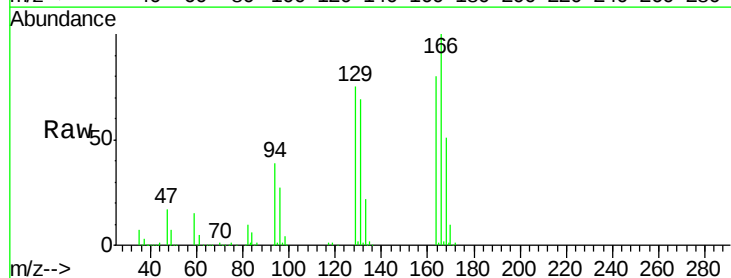
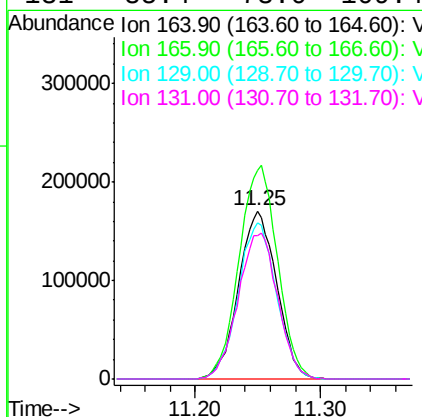
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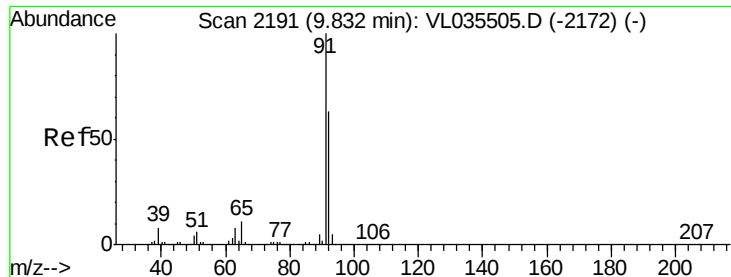
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#52
Tetrachloroethene
Concen: 1.971 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	100.9	151.3
129	93.0	75.3	112.9
131	85.4	73.0	109.4





#53

Toluene

Concen: 2.130 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 847461

Ion Ratio Lower Upper

91 100

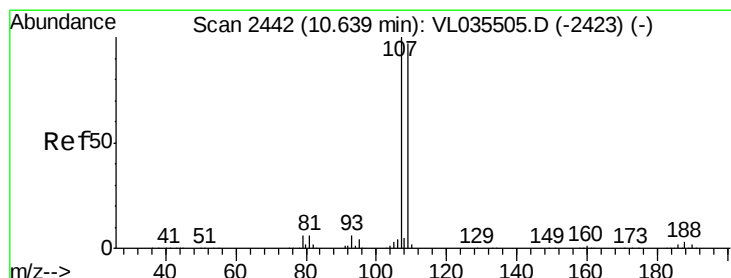
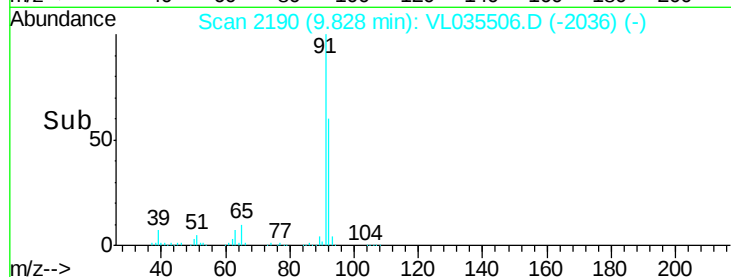
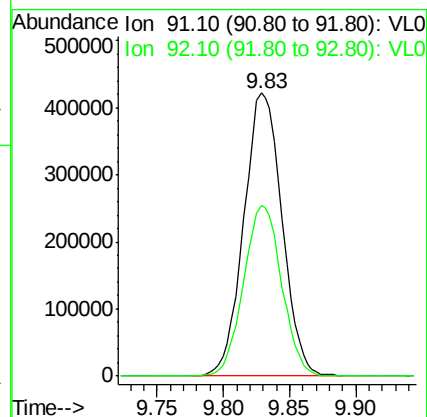
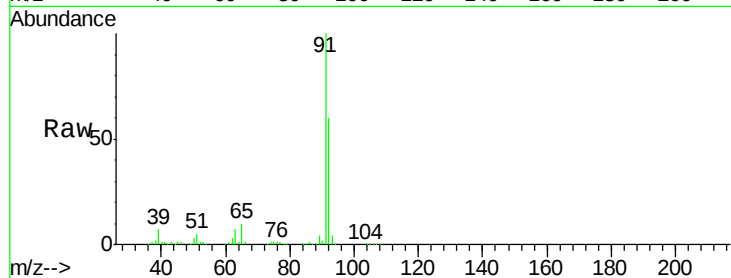
92 59.8 49.8 74.8

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 2.044 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL035506.D

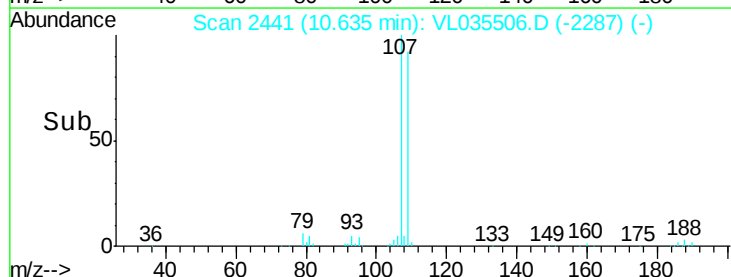
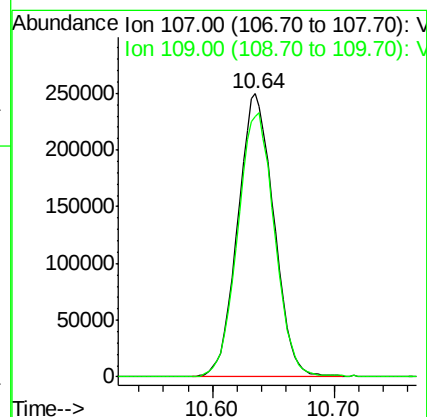
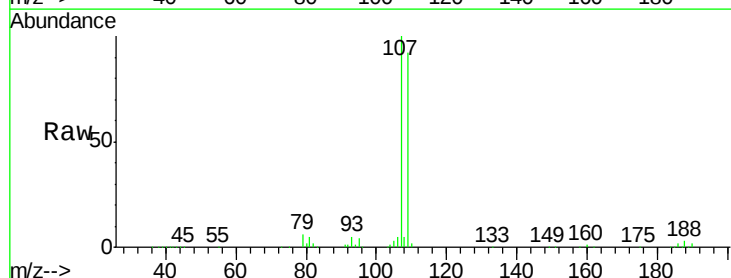
Acq: 27 Aug 2020 2:51

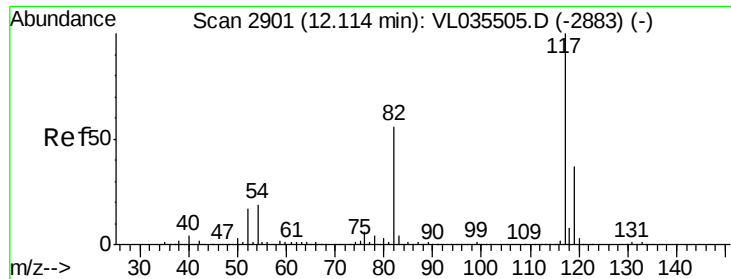
Tgt Ion: 107 Resp: 510422

Ion Ratio Lower Upper

107 100

109 91.8 77.8 116.8





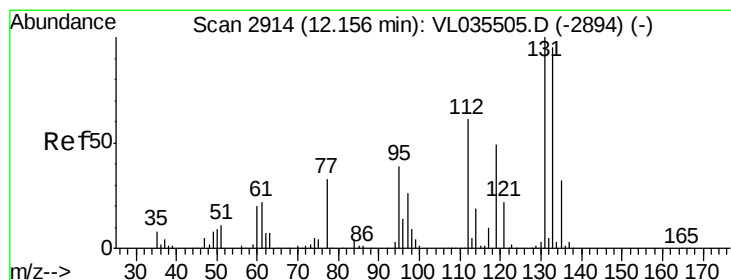
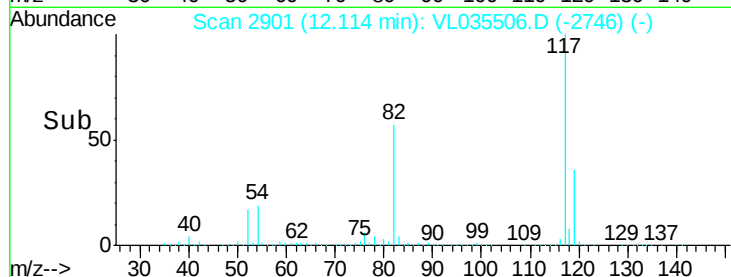
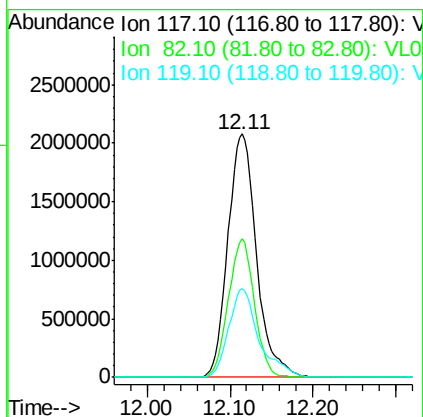
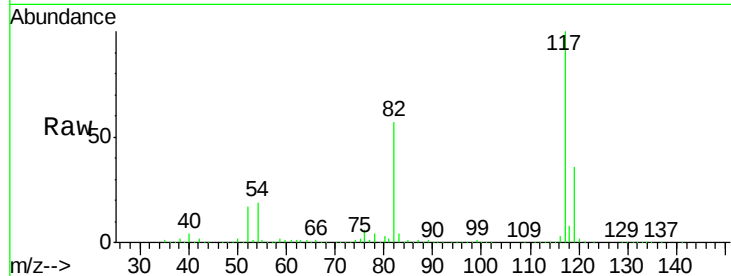
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 5005997
Ion Ratio Lower Upper
117 100
82 51.8 41.6 62.4
119 38.5 29.3 43.9

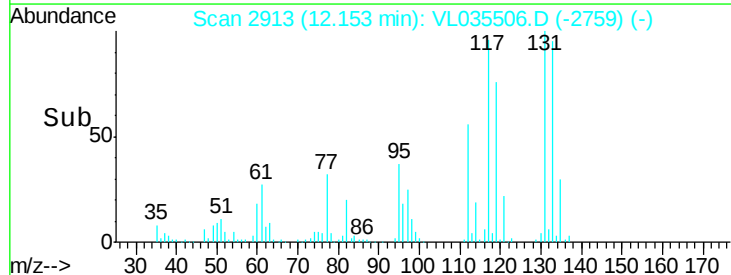
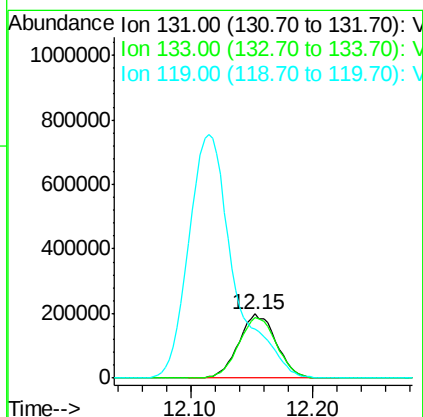
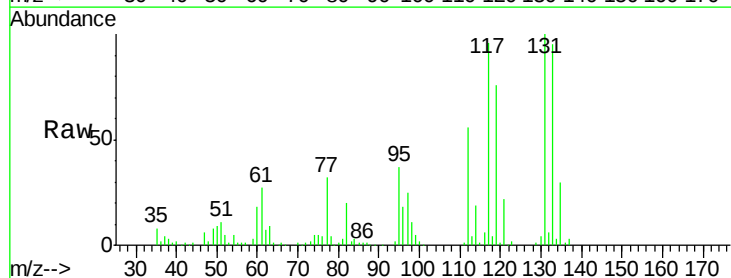
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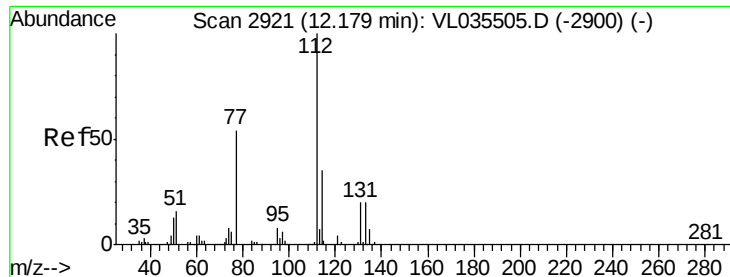
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.030 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion:131 Resp: 424407
Ion Ratio Lower Upper
131 100
133 95.2 76.6 115.0
119 454.4 51.6 77.4#





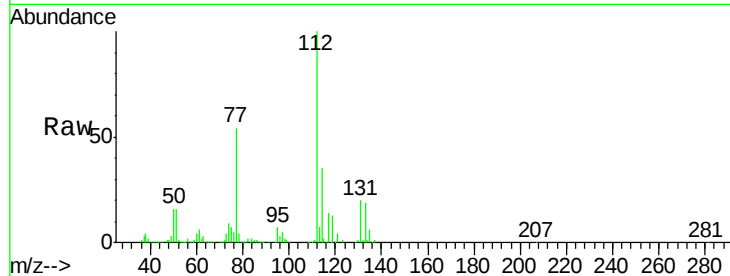
#57
Chlorobenzene
Concen: 2.065 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

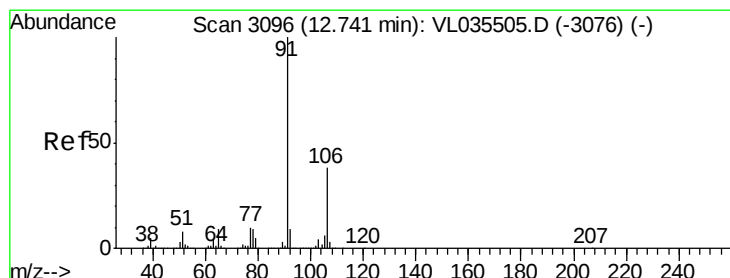
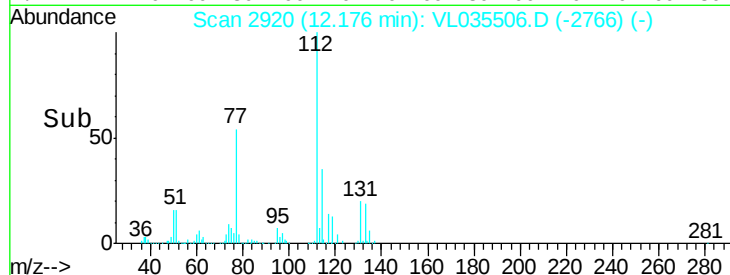
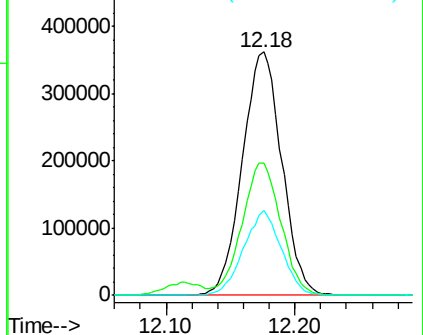
Tot Ion	Ratio	Lower	Upper
112	100		
77	54.1	44.2	66.4
114	34.8	31.6	38.6

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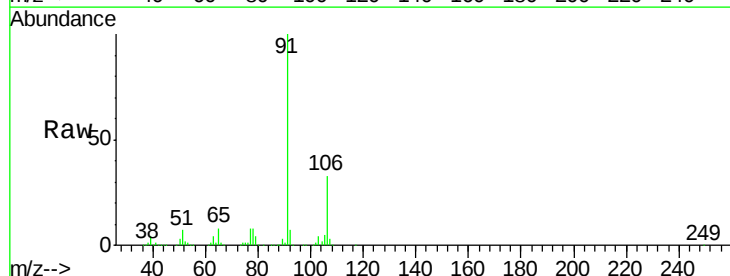


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

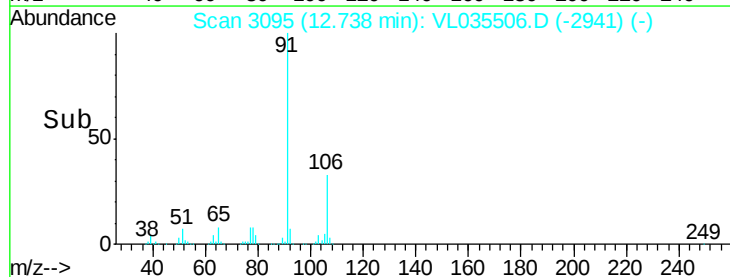
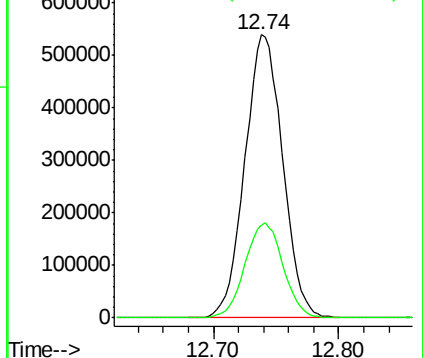


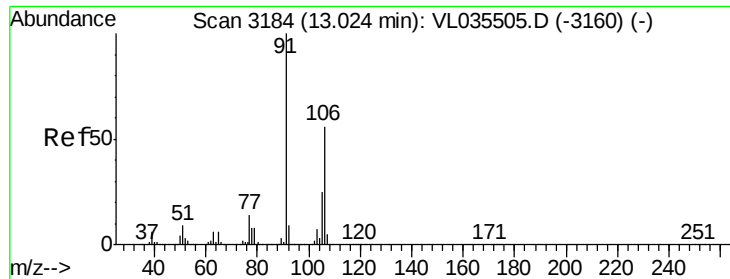
#58
Ethyl Benzene
Concen: 2.134 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	30.3	45.5



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





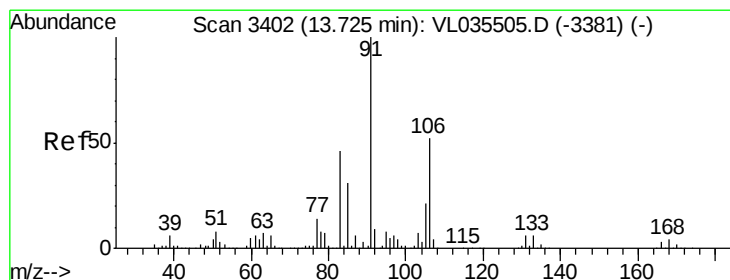
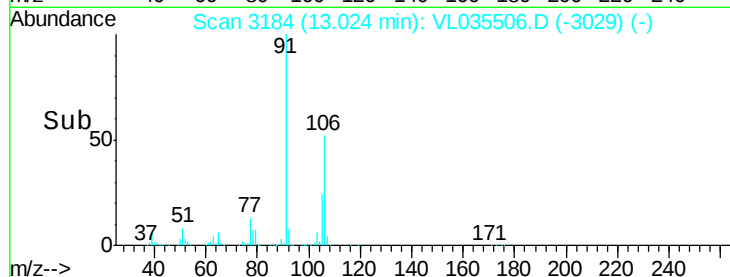
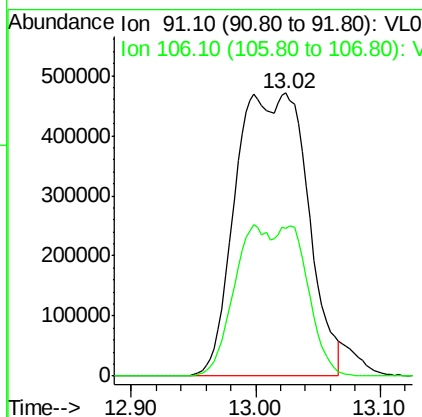
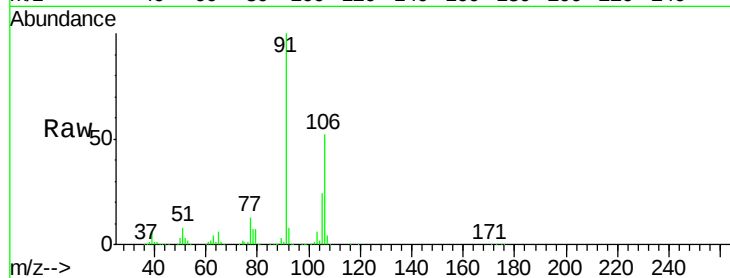
#59
m/p-Xylene
Concen: 4.183 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1885698
Ion Ratio Lower Upper
91 100
106 0.0 43.4 65.2#

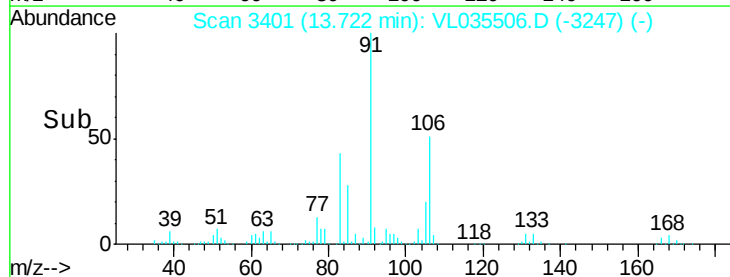
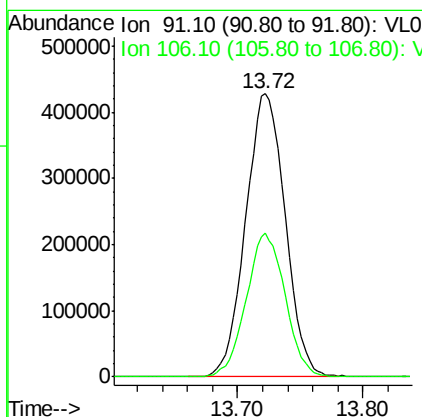
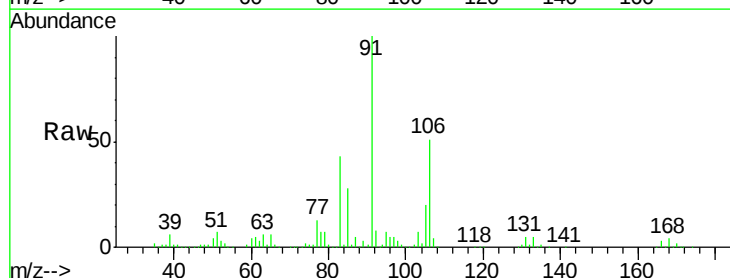
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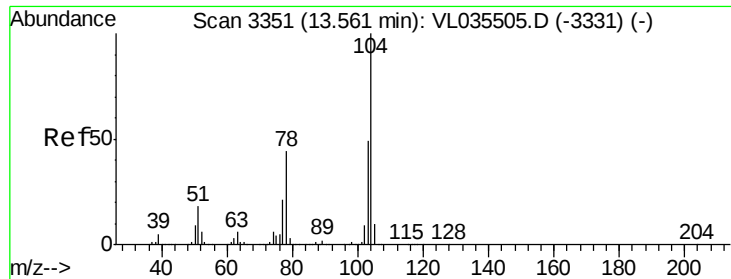
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#60
o-Xylene
Concen: 2.120 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion: 91 Resp: 941202
Ion Ratio Lower Upper
91 100
106 50.0 25.8 77.4





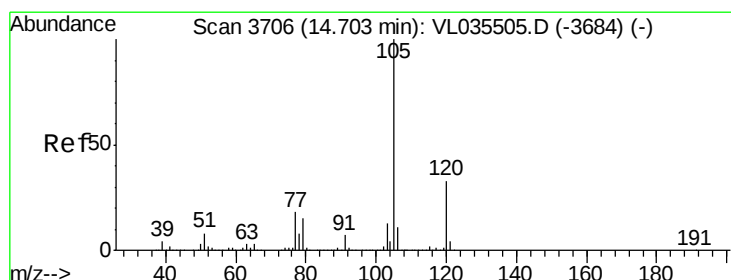
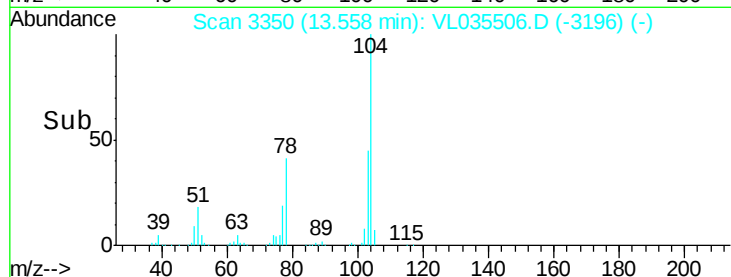
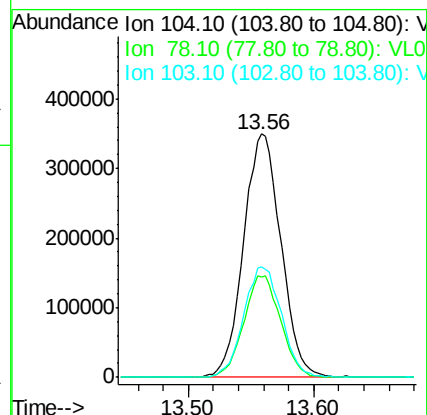
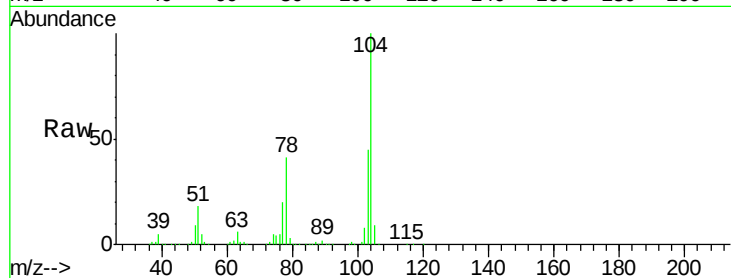
#61
Stvrene
Concen: 2.118 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	41.5	34.8	52.2
103	46.1	38.2	57.4

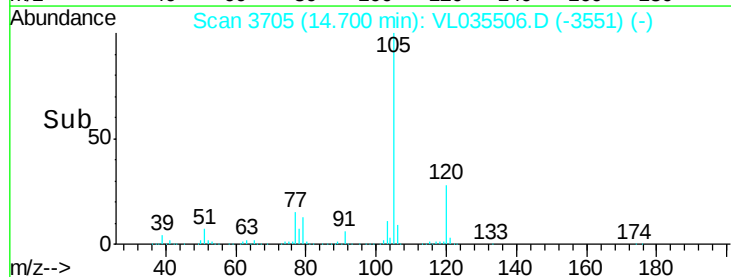
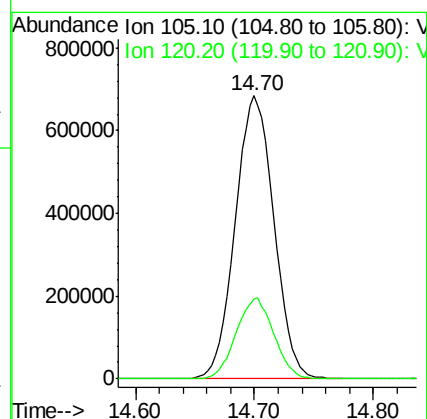
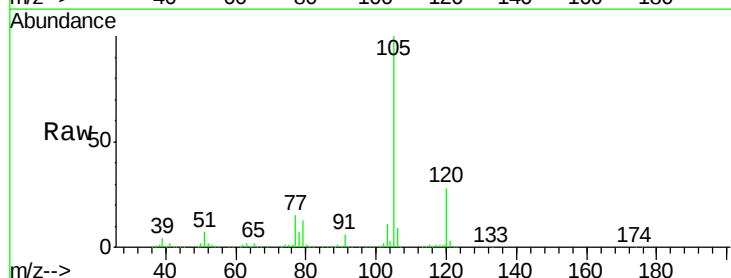
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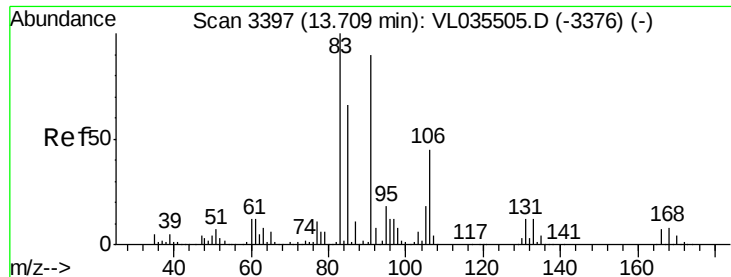
MMDadoda
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#62
Isopropylbenzene
Concen: 2.134 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	25.0	37.4





#63

1,1,2,2-Tetrachloroethane

Concen: 2.051 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 83 Resp: 665565

Ion Ratio Lower Upper

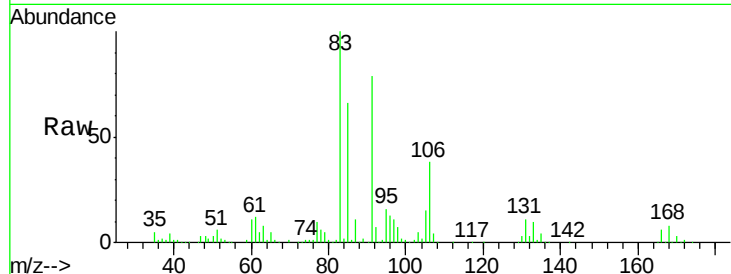
83 100

131 11.2 6.0 18.0

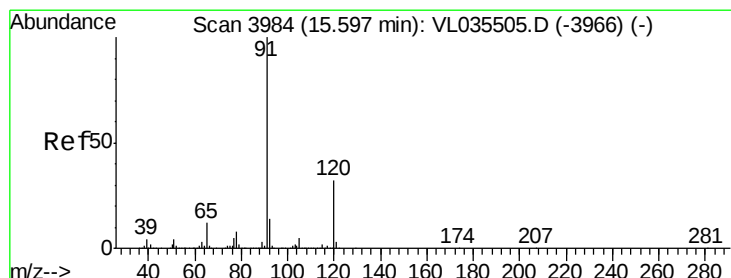
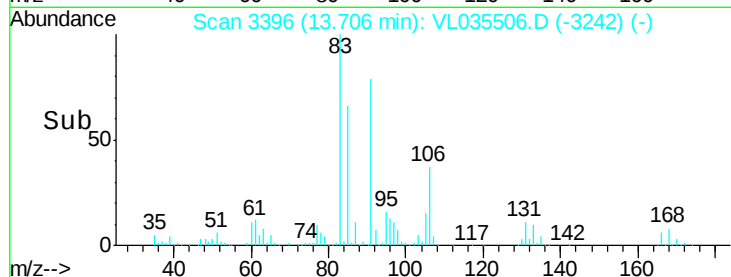
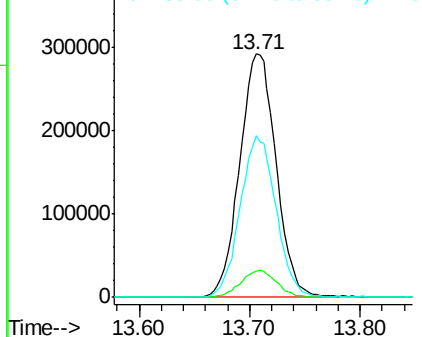
85 65.7 33.4 100.2

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.074 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VL035506.D

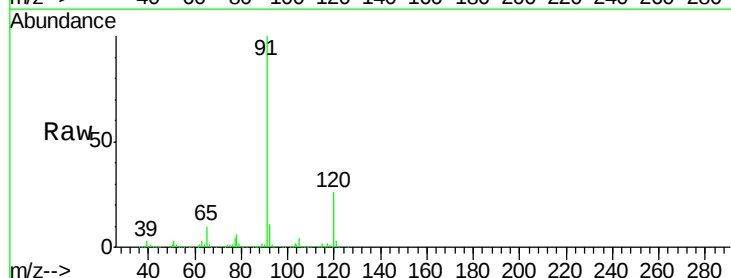
Acq: 27 Aug 2020 2:51

Tgt Ion: 120 Resp: 452945

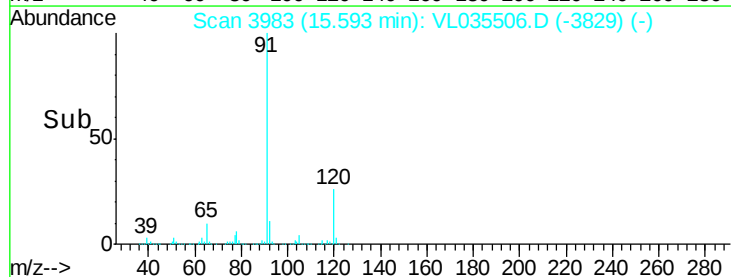
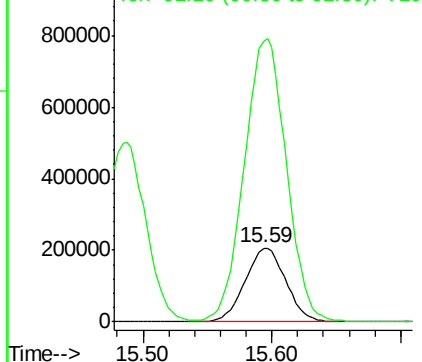
Ion Ratio Lower Upper

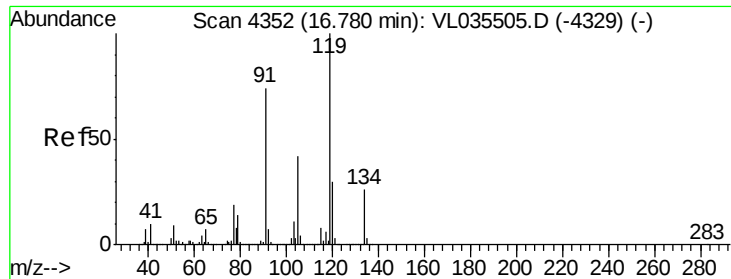
120 100

91 397.5 279.4 419.0



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





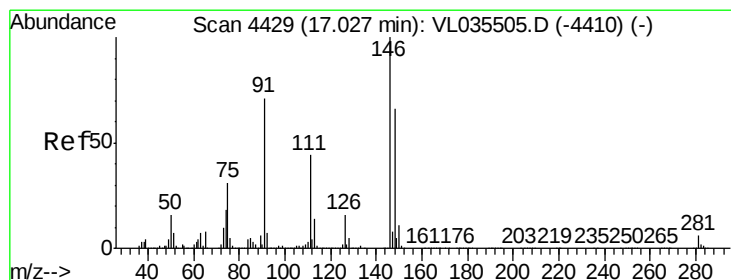
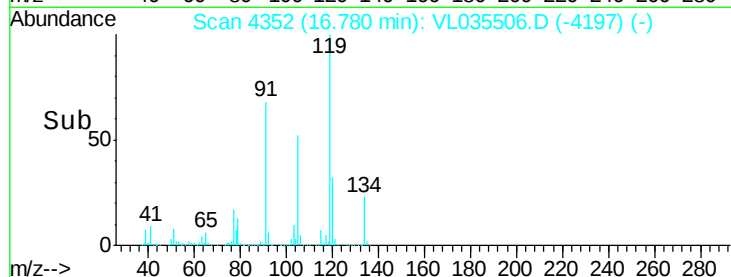
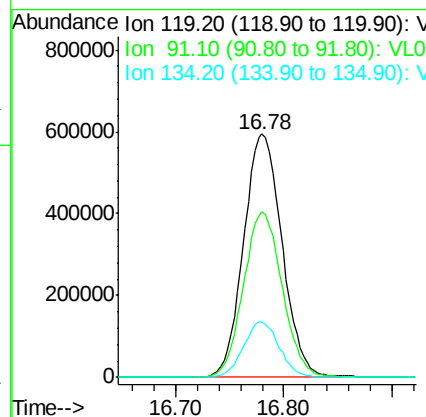
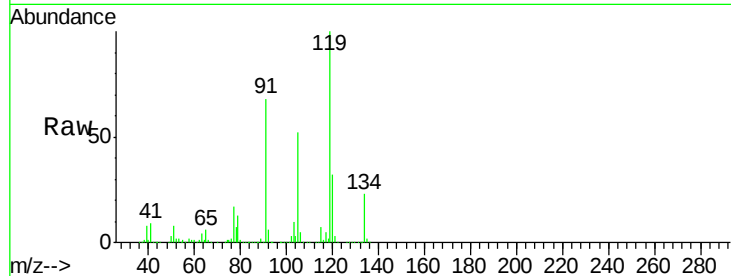
#65
tert-Butylbenzene
Concen: 2.156 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	58.6	87.8
134	21.5	18.9	28.3

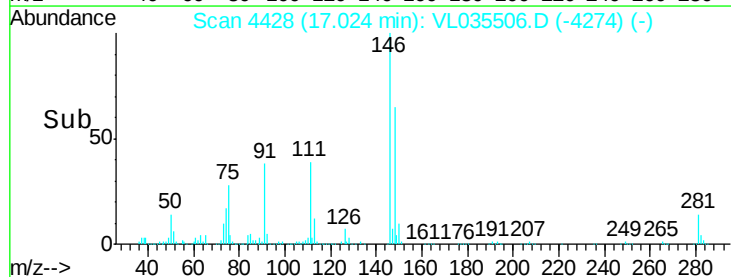
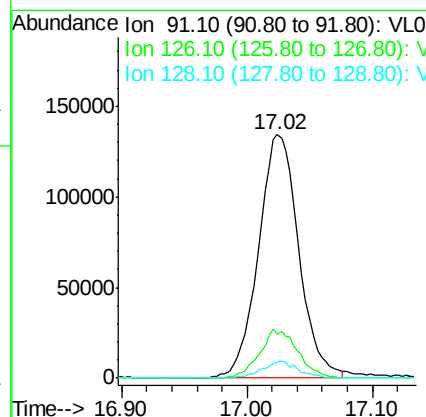
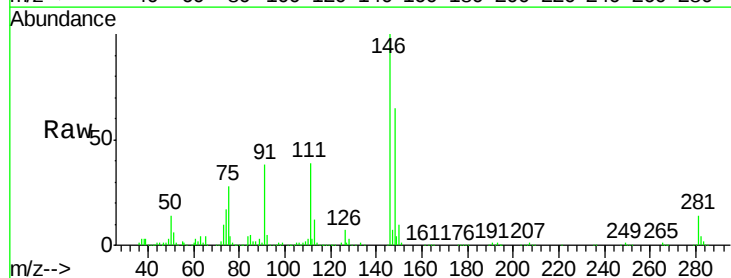
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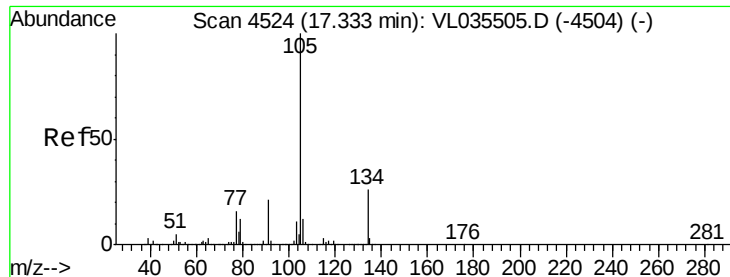
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#66
Benzyl Chloride
Concen: 1.798 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.3	17.2	25.8
128	6.3	5.5	8.3





#67

sec-Butylbenzene

Concen: 2.197 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1990664

Ion Ratio Lower Upper

105 100

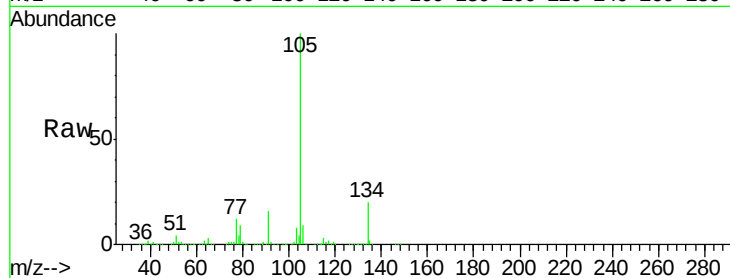
134 20.3 19.1 28.7

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.33

800000

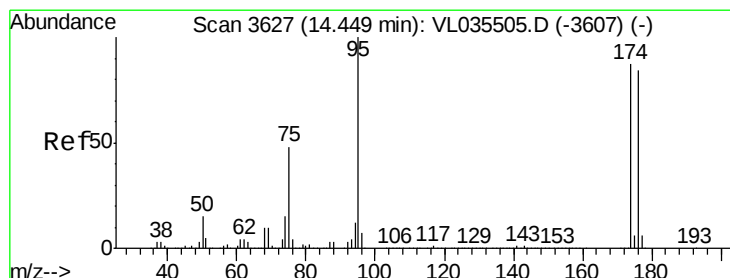
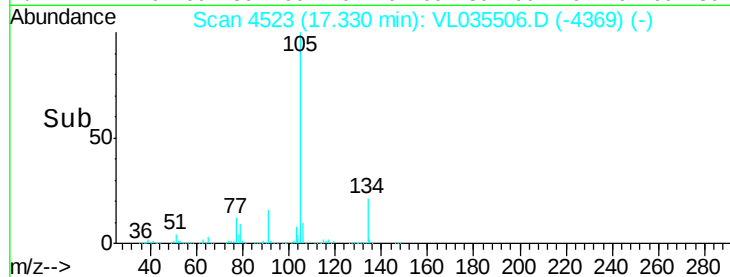
600000

400000

200000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.813 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

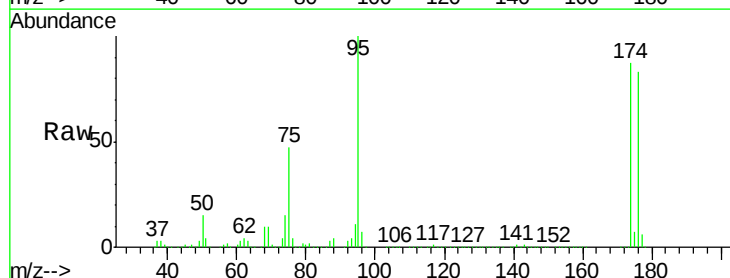
Tgt Ion: 95 Resp: 3482074

Ion Ratio Lower Upper

95 100

174 87.6 69.6 104.4

175 6.4 5.1 7.7



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

14.45

2000000

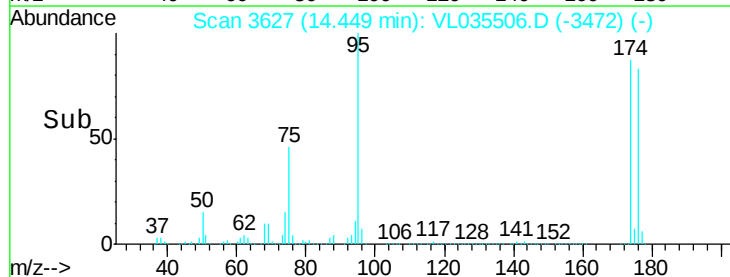
1500000

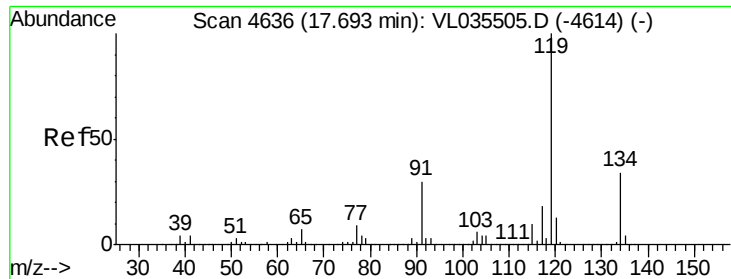
1000000

500000

0

Time-->





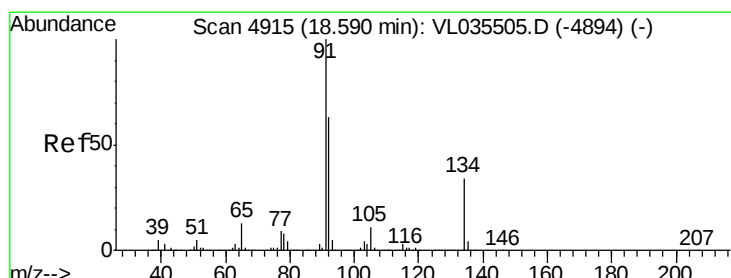
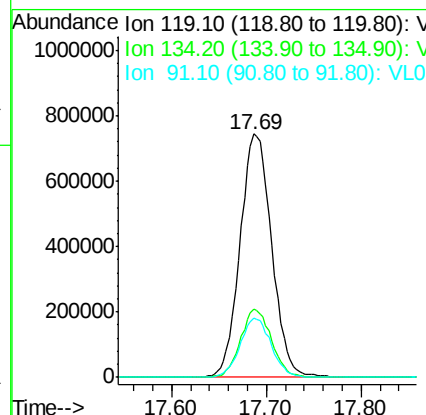
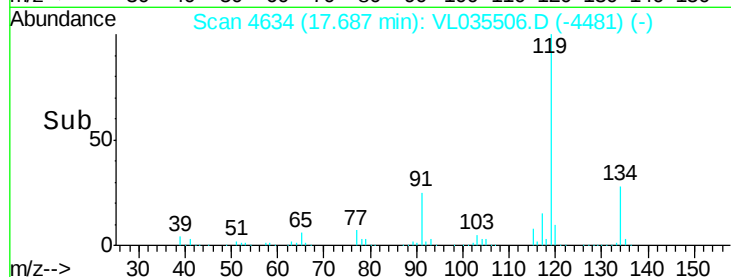
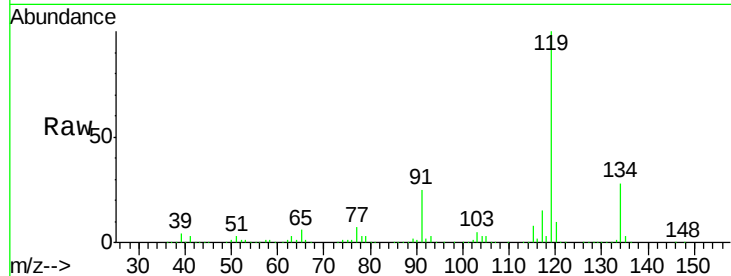
#69
p-Isopropyltoluene
Concen: 2.188 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.01 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	25.0	37.4
91	24.2	22.3	33.5

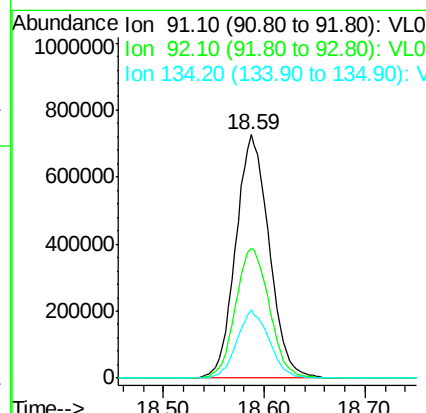
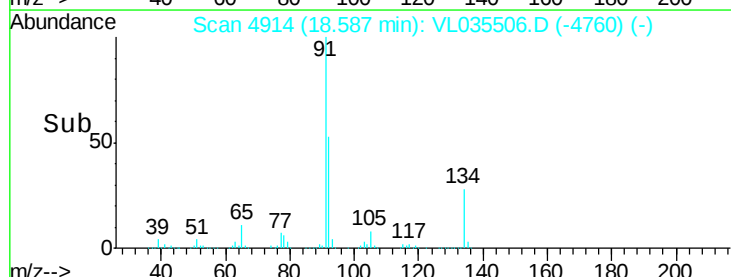
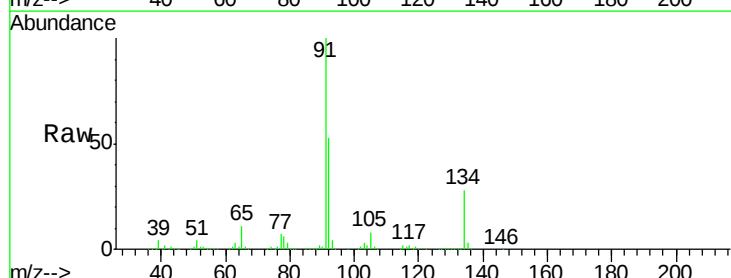
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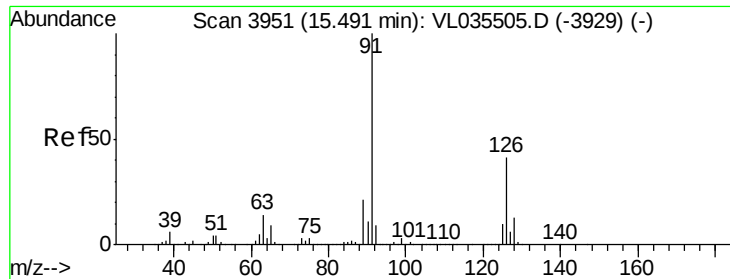
MMDadoda
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#70
n-Butylbenzene
Concen: 2.190 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	47.3	70.9
134	27.1	24.6	37.0





#71

2-Chlorotoluene

Concen: 2.133 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1108349

Ion Ratio Lower Upper

91 100

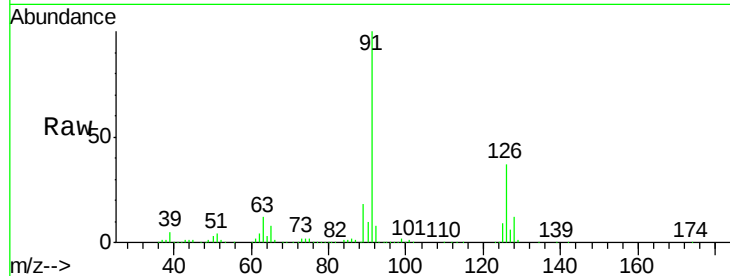
126 37.0 15.6 62.6

Manual Integrations

APPROVED

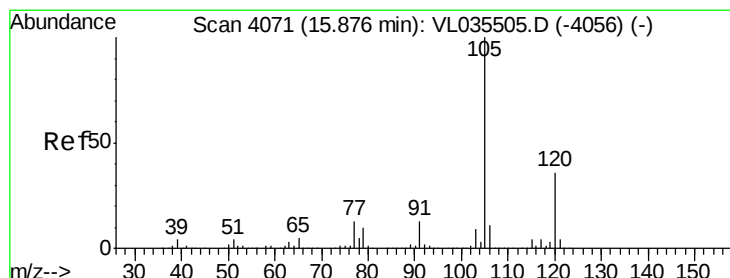
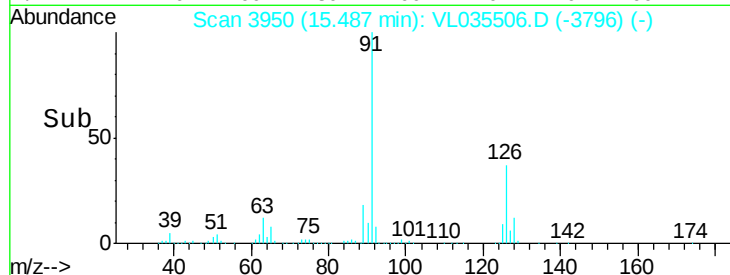
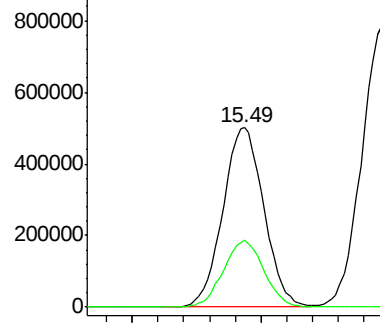
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.157 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion: 105 Resp: 1221713

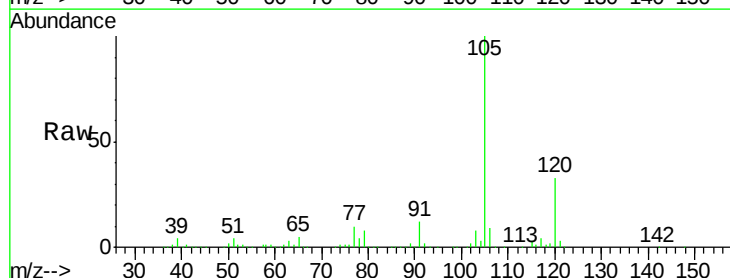
Ion Ratio Lower Upper

105 100

120 32.0 27.4 41.2

91 11.1 9.7 14.5

77 10.7 9.6 14.4

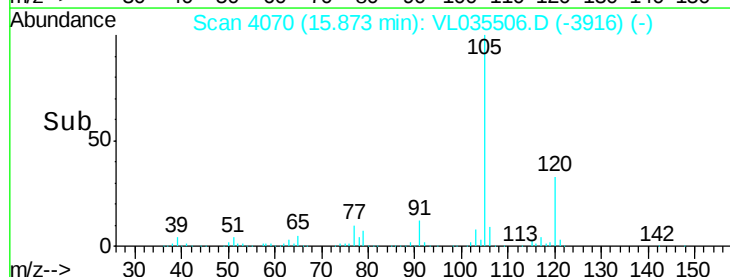
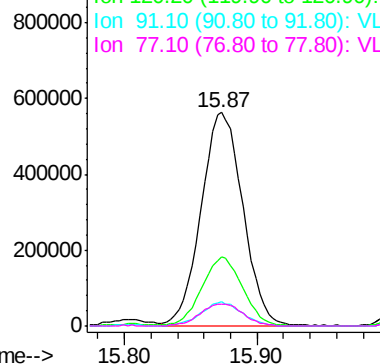


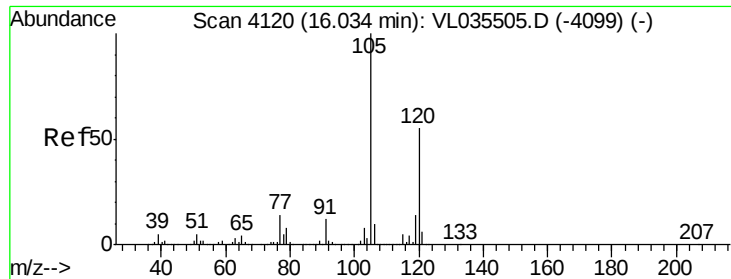
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 2.162 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1132207

Ion Ratio Lower Upper

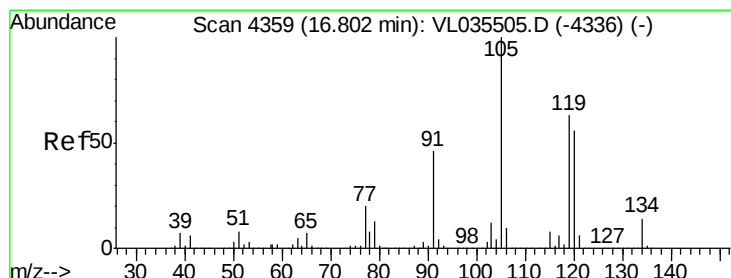
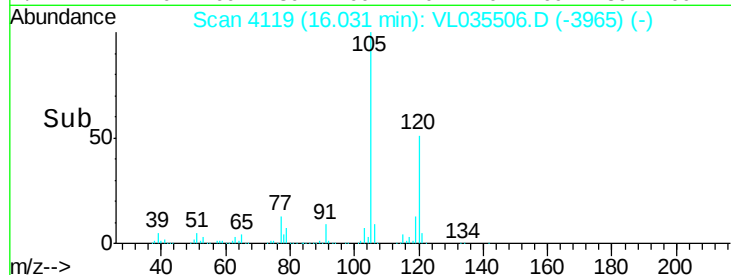
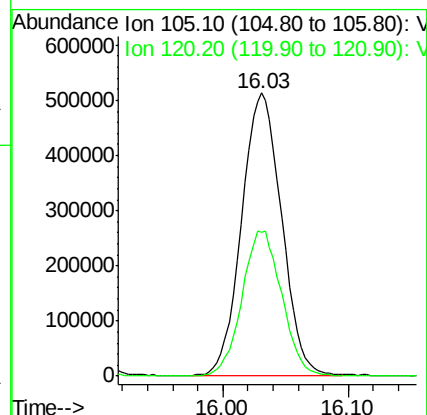
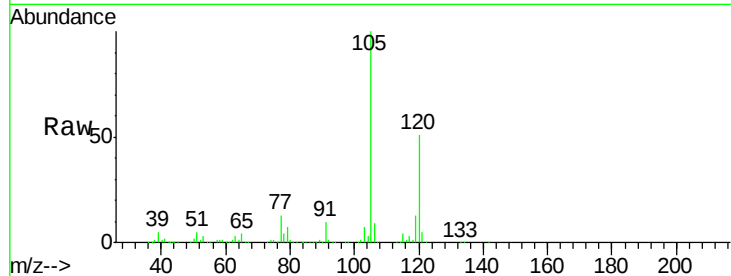
105 100

120 51.0 44.2 66.2

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#74

1,2,4-Trimethylbenzene

Concen: 2.169 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion:105 Resp: 1246339

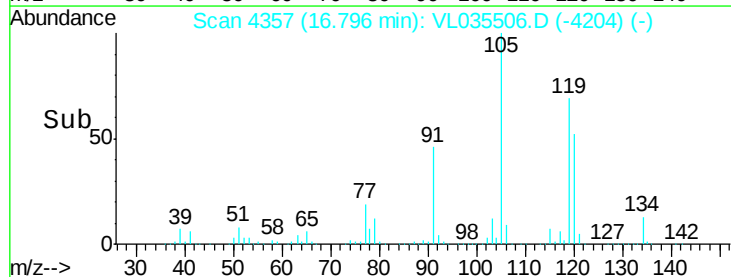
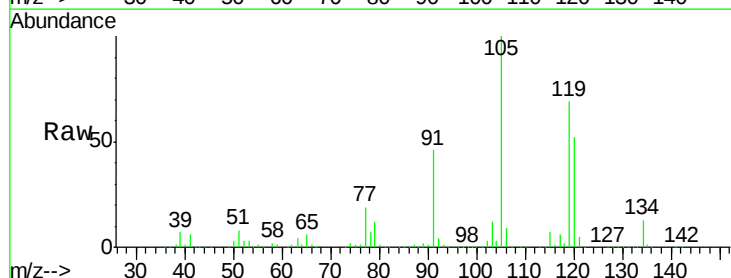
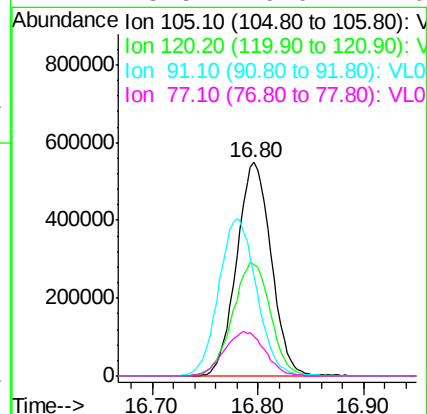
Ion Ratio Lower Upper

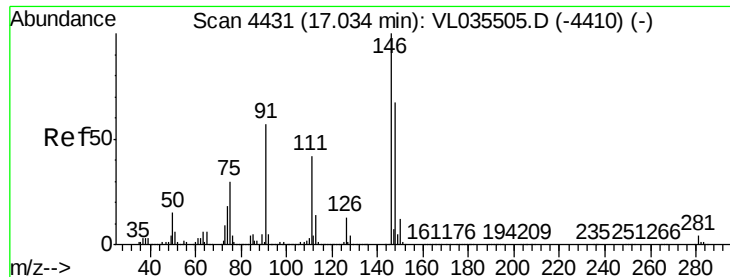
105 100

120 52.3 44.4 66.6

91 46.3 37.1 55.7

77 18.5 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 2.068 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

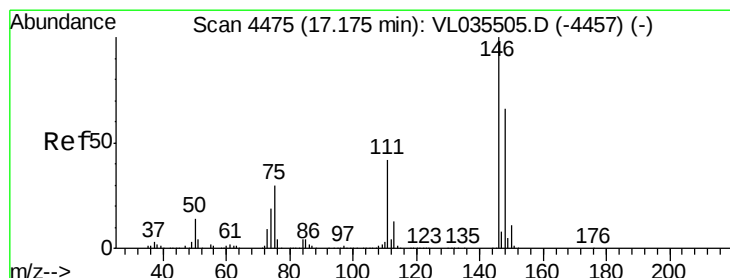
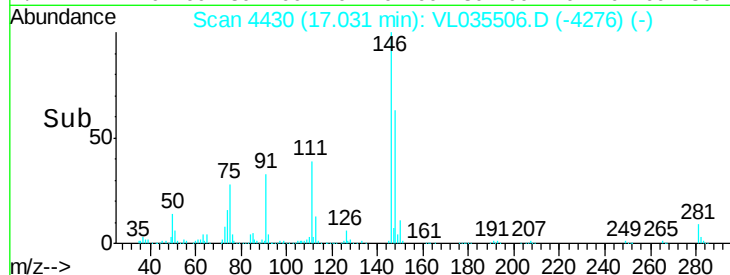
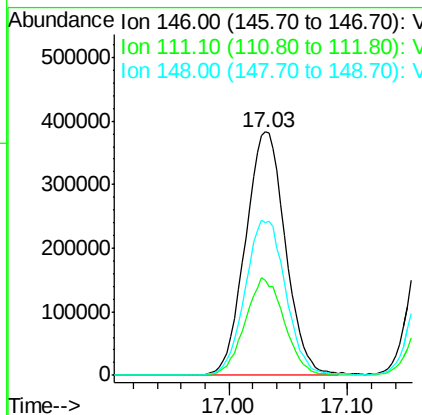
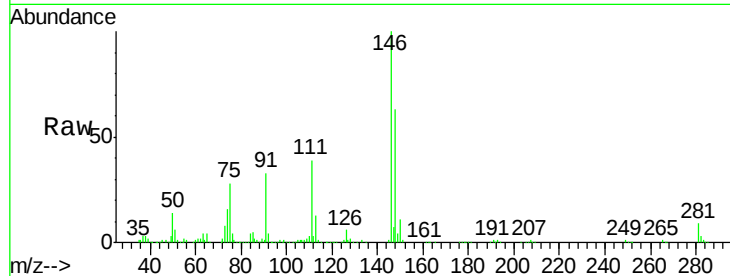
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	890231
Ion Ratio	Lower	Upper	
146	100		
111	39.3	20.7	62.1
148	64.8	33.0	98.9

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 2.032 ppbv

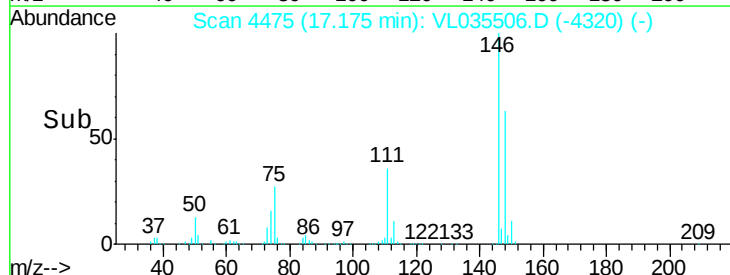
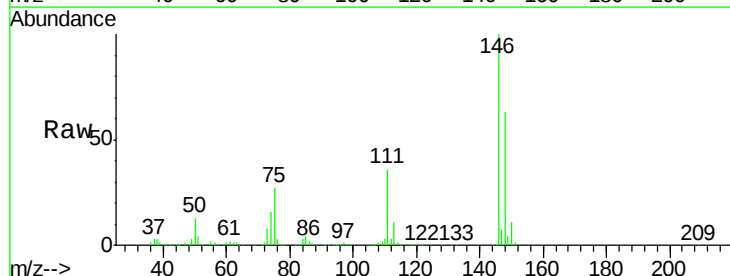
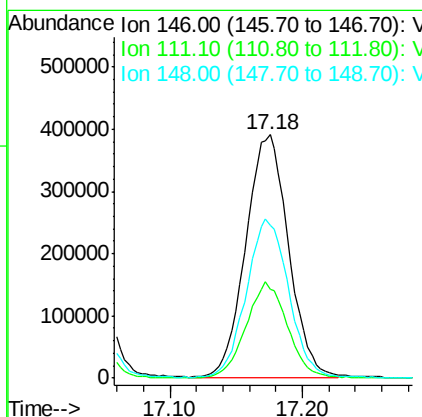
RT: 17.18 min Scan# 4475

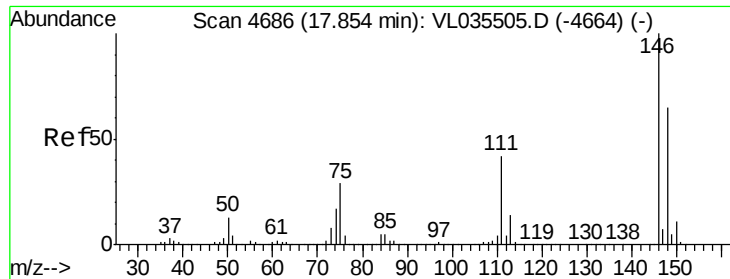
Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion:	146	Resp:	873812
Ion Ratio	Lower	Upper	
146	100		
111	38.7	20.0	60.0
148	66.0	33.2	99.6





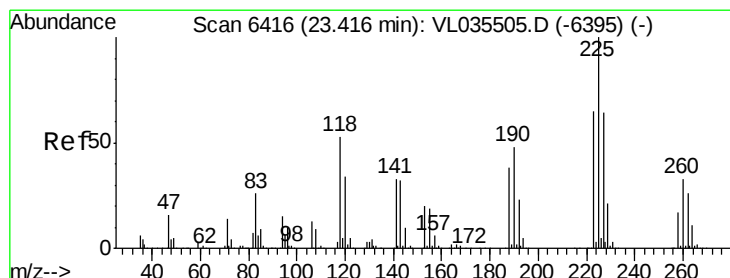
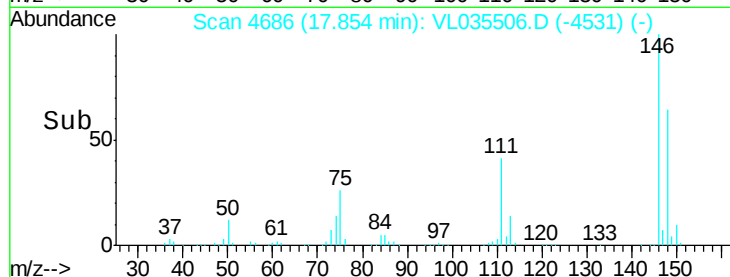
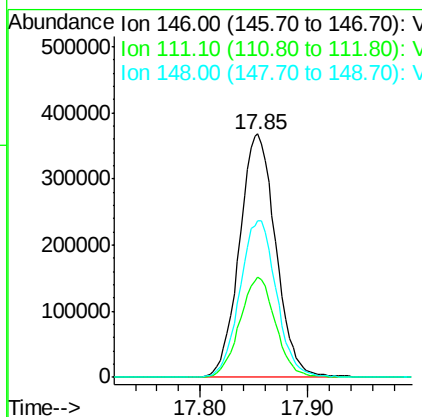
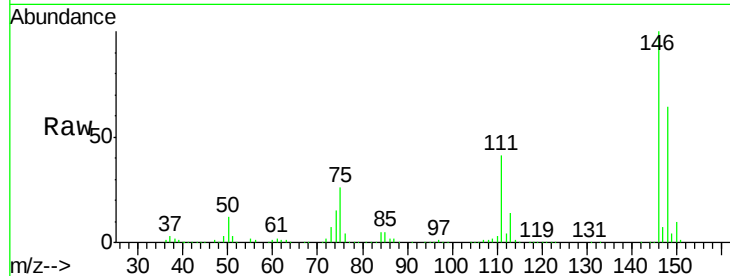
#77
 1,2-Dichlorobenzene
 Concen: 2.033 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.3
148	64.9	32.9	98.7

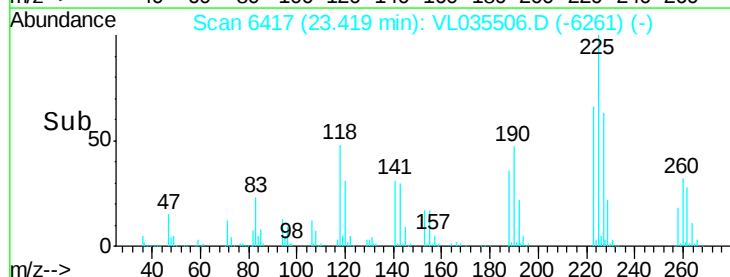
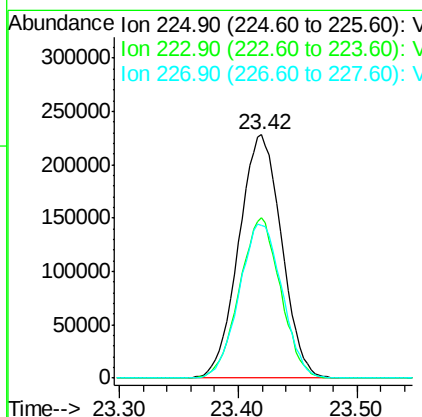
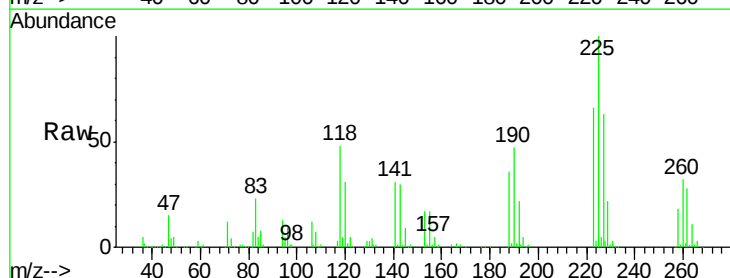
Manual Integrations
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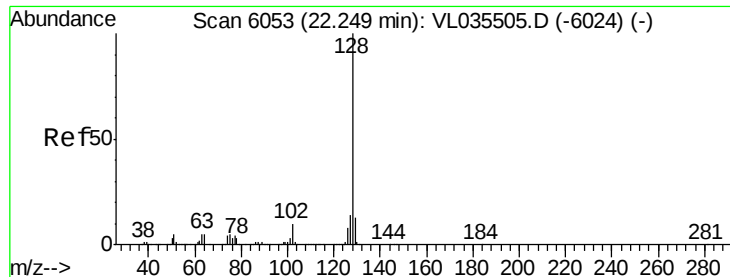
MMDadoda
 8/28/2020 3:17:23 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.944 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.7	77.5
227	63.8	51.5	77.3





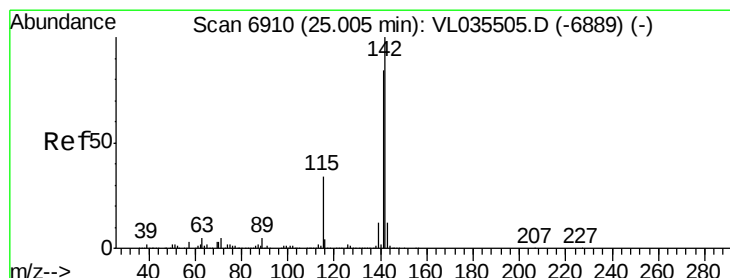
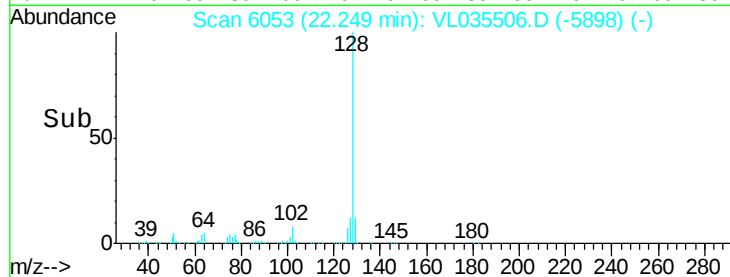
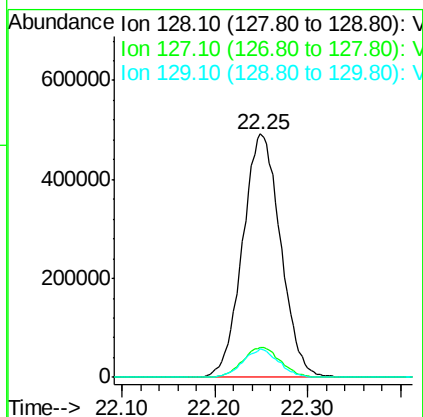
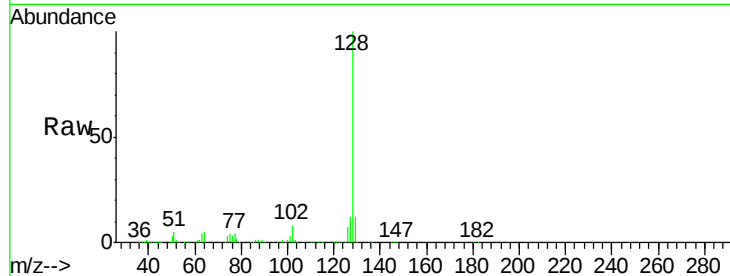
#79
Naphthalene
Concen: 1.954 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	11.4	17.2
129	11.8	10.5	15.7

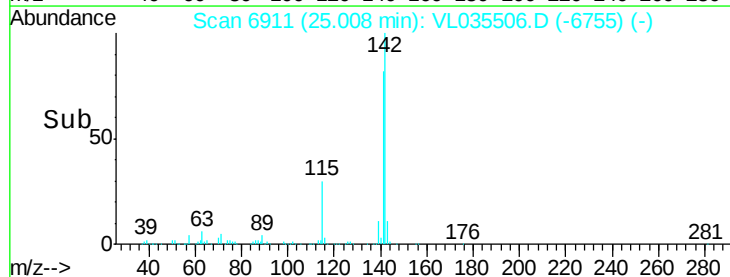
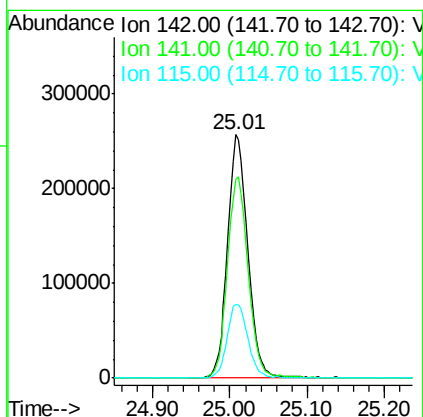
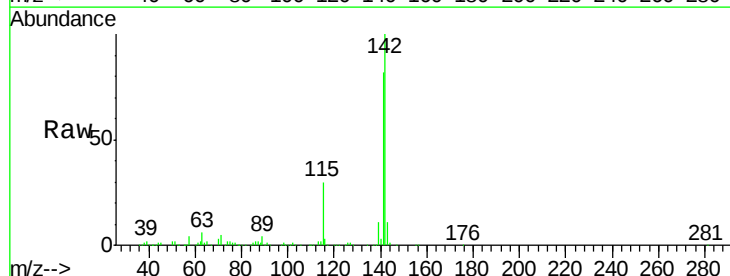
Manual Integrations
APPROVED

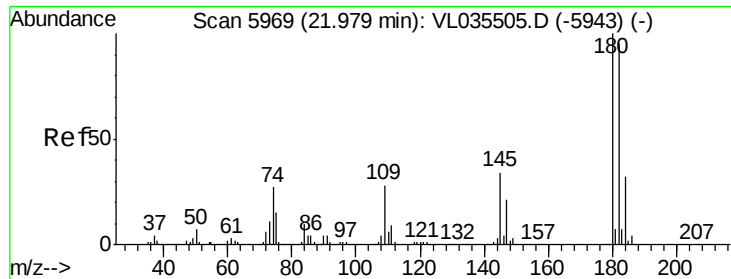
MMDadoda
8/28/2020 3:17:23 PM



#80
Naphthalene, 2-methyl-
Concen: 1.653 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.6	101.4
115	31.5	25.8	38.8





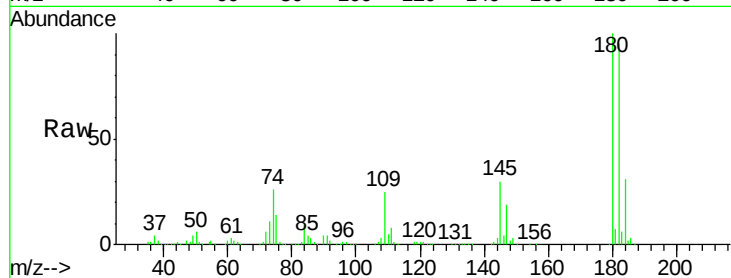
#81
 1,2,4-Trichlorobenzene
 Concen: 1.921 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100	807960		
182	95.8		76.3	114.5
184	31.2		25.3	37.9

Manual Integrations
 APPROVED

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

