

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035423.D
 Acq On : 17 Aug 2020 16:07
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:41 AM

Quant Time: Aug 17 16:41:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 16:34:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1152621	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5086008	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5124529	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3655564	8.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	139622	0.912	ppbv	96
3) Chlorodifluoromethane	2.99	51	78123	0.529	ppbv	97
4) Chloromethane	3.14	50	39283	0.505	ppbv	100
5) Vinyl Chloride	3.26	62	47818	0.605	ppbv	92
6) Bromomethane	3.48	94	40942m	0.944	ppbv	
7) Chloroethane	3.56	64	18006	0.687	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	156504	0.897	ppbv #	61
9) Propene	3.01	41	32331	0.461	ppbv	96
10) Heptane	8.14	43	77707	0.439	ppbv #	79
11) Trichlorofluoromethane	3.96	101	185159	1.008	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	134844	1.127	ppbv #	76
13) Ethanol	3.62	45	13533	0.605	ppbv	99
14) Bromoethene	3.74	108	56085	1.069	ppbv #	98
15) Acetone	3.87	43	78841	0.520	ppbv #	76
16) 1,3-Butadiene	3.33	39	25906	0.373	ppbv #	57
17) tert-Butyl alcohol	4.31	59	87772	0.610	ppbv	98
18) 1,1-Dichloroethene	4.29	96	56344	1.048	ppbv #	61
19) Isopropyl Alcohol	3.99	45	48461	0.453	ppbv #	95
20) Methylene Chloride	4.35	84	65862	1.171	ppbv #	64
21) Allyl Chloride	4.42	41	32656	0.368	ppbv #	78
22) trans-1,2-Dichloroethene	4.90	96	60543	1.131	ppbv #	62
23) Vinyl Acetate	5.09	43	92425	0.416	ppbv #	94
24) 1,1-Dichloroethane	5.02	63	99101	0.625	ppbv #	97
25) Ethyl Acetate	5.70	43	140024	0.461	ppbv #	94
26) Hexane	5.70	57	77835	0.590	ppbv #	78
27) Carbon Disulfide	4.56	76	95534	0.743	ppbv #	88
28) Methyl tert-Butyl Ether	5.06	73	136293	0.669	ppbv #	90
29) Chloroform	5.76	83	154744	0.763	ppbv	99
30) Cyclohexane	7.14	84	80376	0.767	ppbv #	62
31) cis-1,2-Dichloroethene	5.56	61	78412	0.583	ppbv #	74
32) 1,1,1-Trichloroethane	6.53	97	141753	0.702	ppbv #	91
34) 2-Butanone	5.27	43	89814	0.229	ppbv #	75
35) Carbon Tetrachloride	7.03	117	144933	0.384	ppbv	98
36) Benzene	6.91	78	203527	0.394	ppbv #	89
37) 1,2-Dichloroethane	6.32	62	92762	0.291	ppbv #	90
38) Trichloroethene	7.85	130	109608	0.549	ppbv #	83
39) 1,2-Dichloropropane	7.63	63	65582	0.315	ppbv #	83
40) 1,4-Dioxane	7.89	88	36947m	0.459	ppbv	
41) Tetrahydrofuran	6.09	42	47652	0.216	ppbv #	66
42) Bromodichloromethane	7.81	83	141126	0.347	ppbv #	95
43) Methyl Methacrylate	8.04	69	73686	0.328	ppbv #	59

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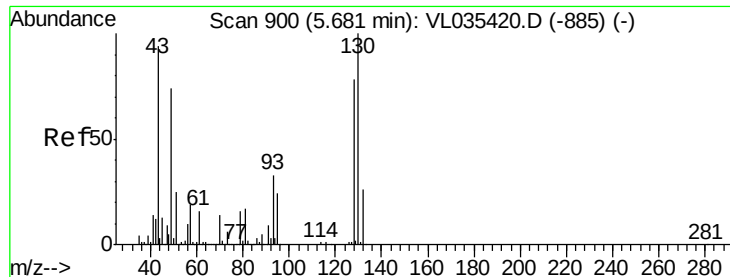
Manual Integrations
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 8/20/2020 11:05:41 AM

Quant Time: Aug 17 16:41:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 16:34:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	269436	0.299	ppbv #	91
45) t-1,3-Dichloropropene	9.30	75	62345	0.264	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	84124	0.294	ppbv #	74
47) 1,1,2-Trichloroethane	9.50	97	99527	0.476	ppbv	96
48) Dibromochloromethane	10.33	129	142012	0.466	ppbv	98
49) Bromoform	13.07	173	127449	0.532	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	124771	0.220	ppbv #	83
51) 2-Hexanone	10.18	43	100017	0.208	ppbv #	81
52) Tetrachloroethene	11.25	164	124373	0.677	ppbv #	77
53) Toluene	9.83	91	254985	0.434	ppbv	100
54) 1,2-Dibromoethane	10.63	107	159826m	0.495	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	125208	0.497	ppbv #	1
57) Chlorobenzene	12.18	112	249457	0.539	ppbv #	77
58) Ethyl Benzene	12.73	91	342866	0.404	ppbv	94
59) m/p-Xylene	13.02	91	584309m	0.826	ppbv	
60) o-Xylene	13.72	91	283562	0.407	ppbv	89
61) Styrene	13.55	104	212846	0.447	ppbv #	86
62) Isopropylbenzene	14.70	105	483709	0.471	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.70	83	211706	0.392	ppbv	97
64) n-propylbenzene	15.60	120	139085	0.534	ppbv	70
65) tert-Butylbenzene	16.78	119	457349	0.519	ppbv #	79
66) Benzyl Chloride	17.02	91	68793m	0.239	ppbv	
67) sec-Butylbenzene	17.33	105	619568	0.476	ppbv	92
69) p-Isopropyltoluene	17.69	119	531863	0.502	ppbv #	88
70) n-Butylbenzene	18.59	91	512501	0.414	ppbv #	93
71) 2-Chlorotoluene	15.49	91	338523	0.403	ppbv	82
72) 4-Ethyltoluene	15.87	105	363758	0.446	ppbv #	92
73) 1,3,5-Trimethylbenzene	16.03	105	334414	0.434	ppbv	90
74) 1,2,4-Trimethylbenzene	16.80	105	384748	0.466	ppbv #	88
75) 1,3-Dichlorobenzene	17.03	146	302496	0.674	ppbv	92
76) 1,4-Dichlorobenzene	17.17	146	289830	0.629	ppbv	90
77) 1,2-Dichlorobenzene	17.85	146	289662	0.640	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	232520	0.669	ppbv	99
79) Naphthalene	22.25	128	504798	0.524	ppbv	96
80) Naphthalene, 2-methyl-	25.01	142	172210	0.429	ppbv #	91
81) 1,2,4-Trichlorobenzene	21.98	180	308797	0.676	ppbv	96

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1152621

Ion Ratio Lower Upper

49 100

128 102.1 20.9 62.7#

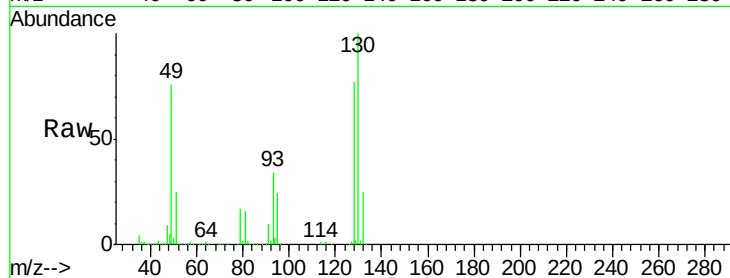
130 131.7 26.7 80.1#

Manual Integrations

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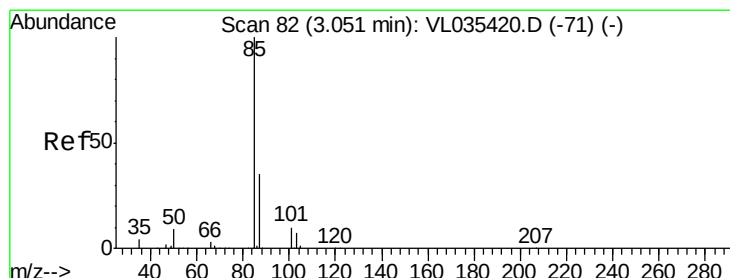
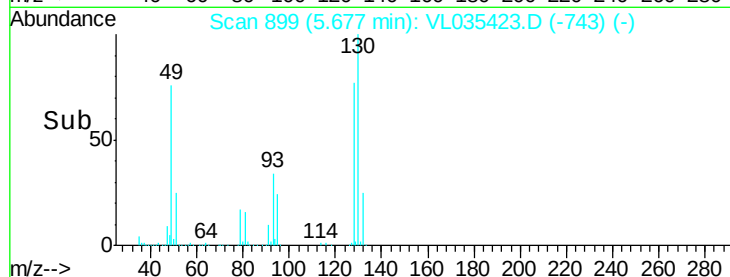
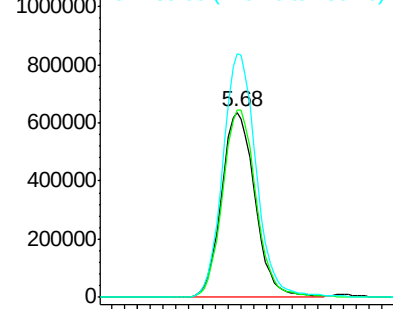
8/20/2020 11:05:41 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.912 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035423.D

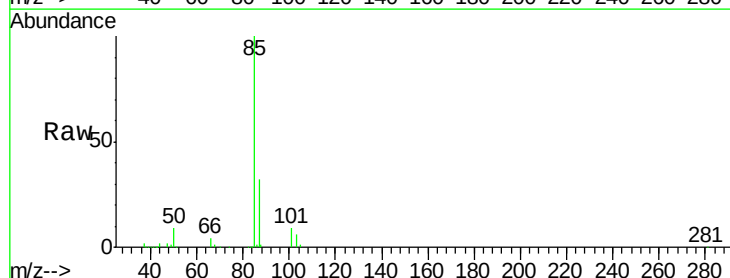
Acq: 17 Aug 2020 16:07

Tgt Ion: 85 Resp: 139622

Ion Ratio Lower Upper

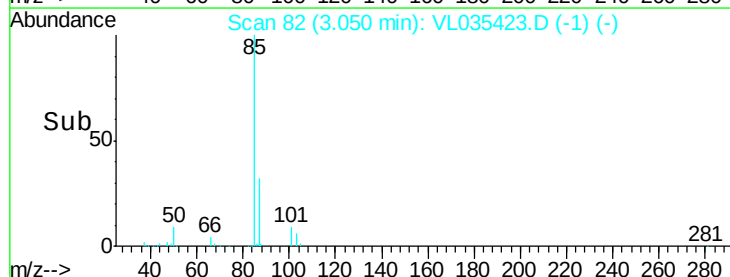
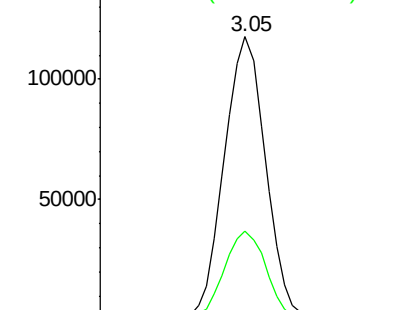
85 100

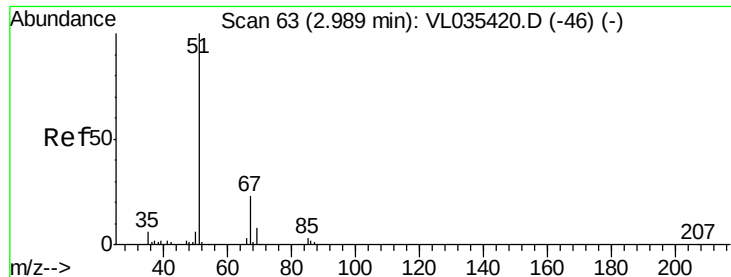
87 31.6 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.529 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 78123

Ion Ratio Lower Upper

51 100

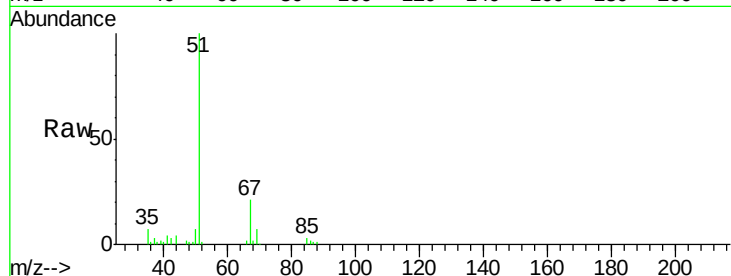
67 20.3 15.0 22.6

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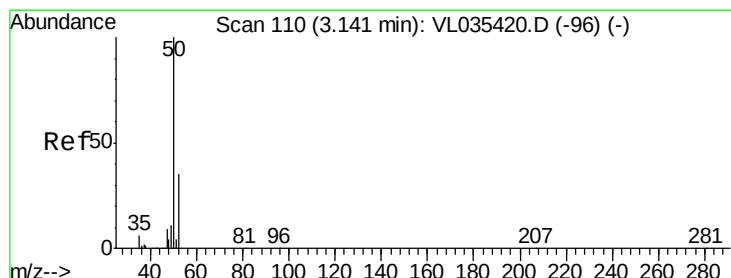
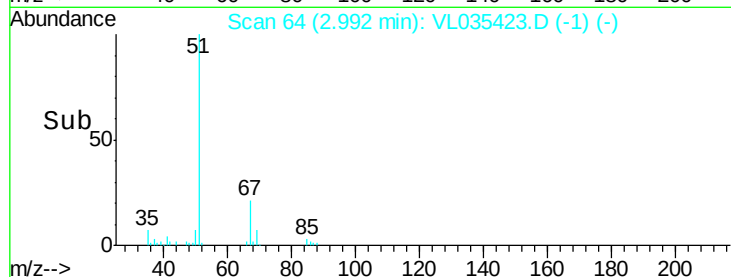
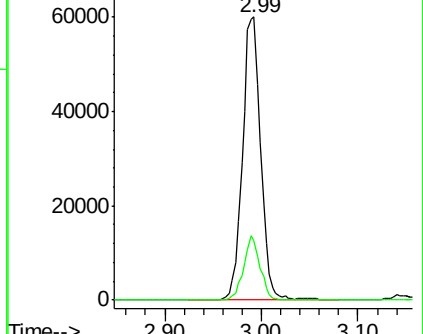
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.505 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL035423.D

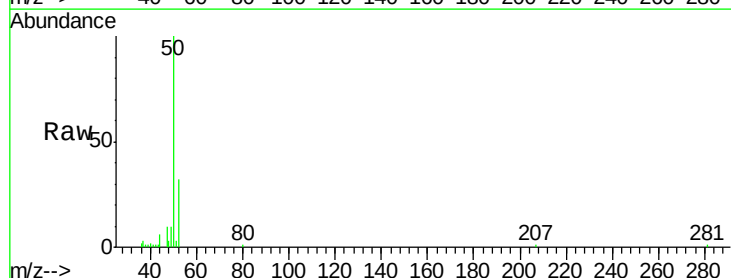
Acq: 17 Aug 2020 16:07

Tgt Ion: 50 Resp: 39283

Ion Ratio Lower Upper

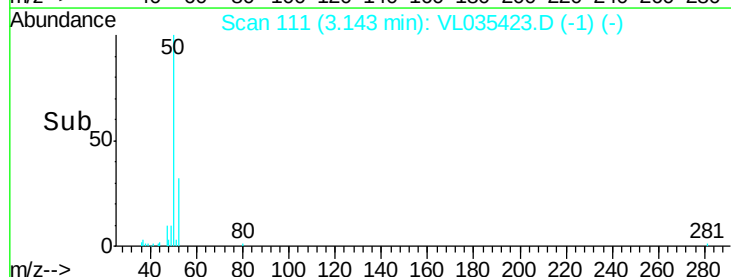
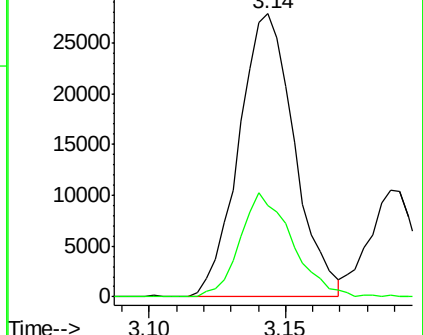
50 100

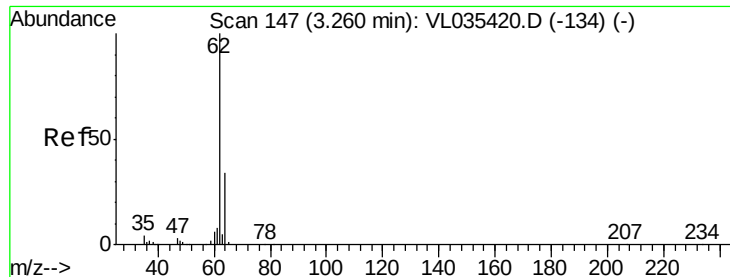
52 32.5 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.605 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 47818

Ion Ratio Lower Upper

62 100

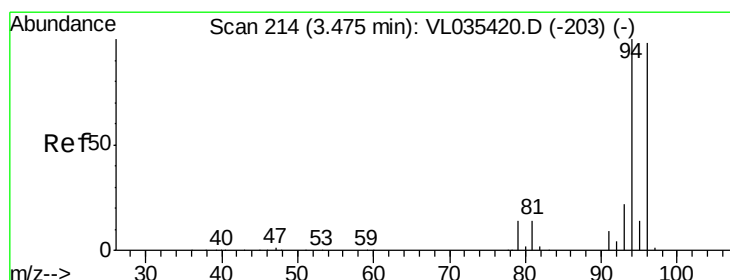
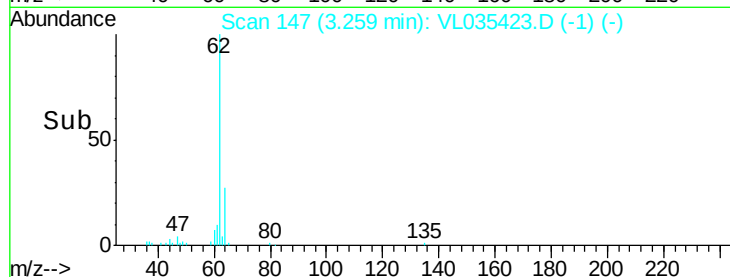
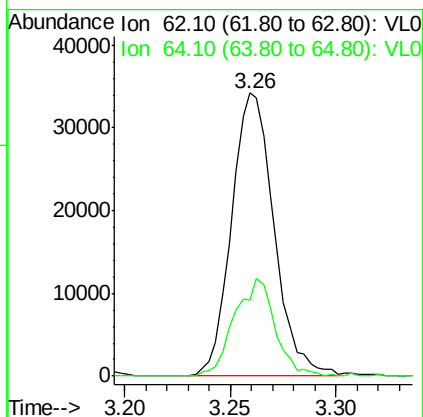
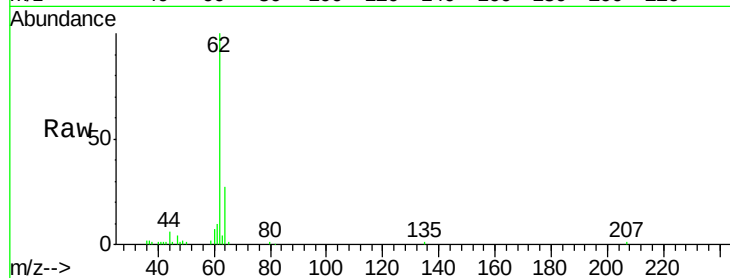
64 26.7 25.0 37.4

Manual Integrations

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#6

Bromomethane

Concen: 0.944 ppbv m

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL035423.D

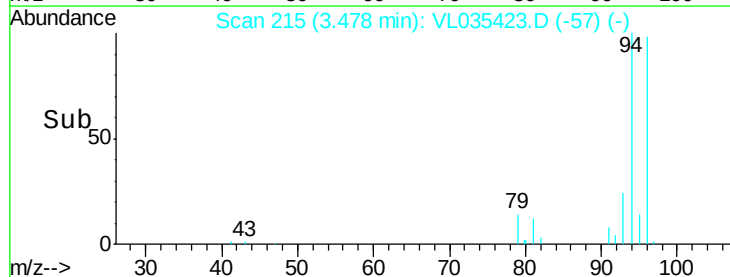
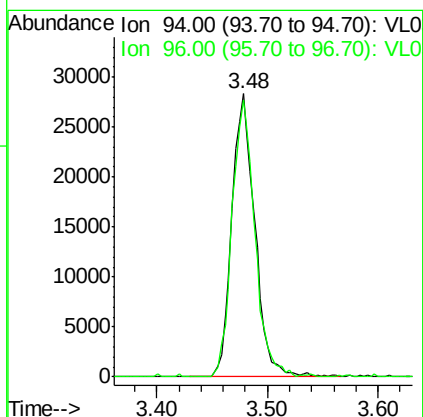
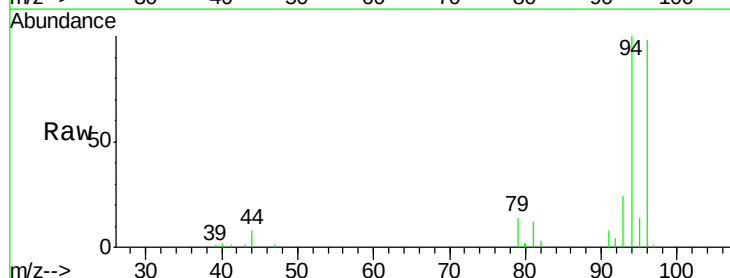
Acq: 17 Aug 2020 16:07

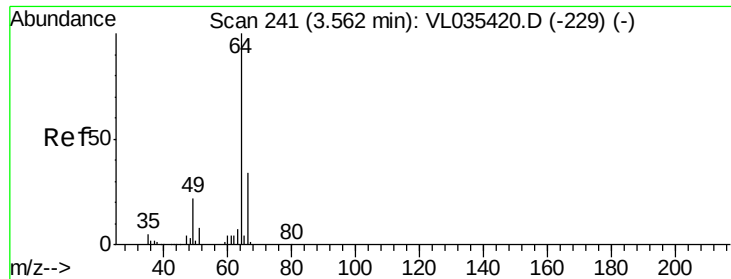
Tgt Ion: 94 Resp: 40942

Ion Ratio Lower Upper

94 100

96 97.9 75.0 112.6





#7

Chloroethane

Concen: 0.687 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 18006

Ion Ratio Lower Upper

64 100

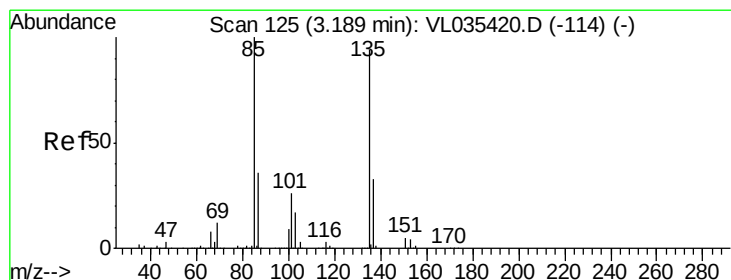
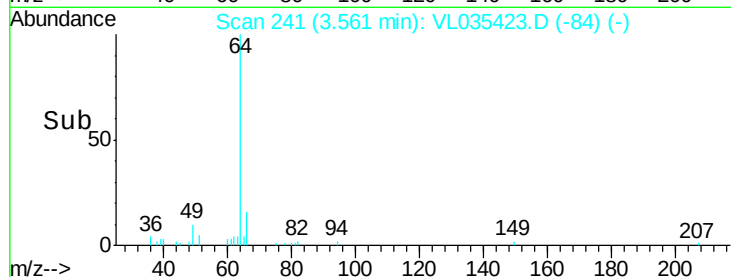
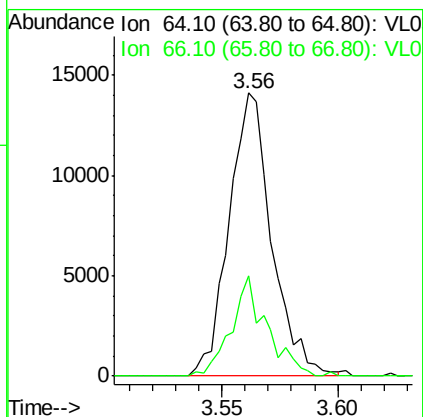
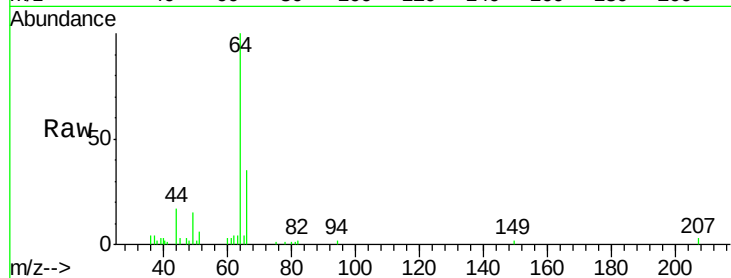
66 35.3 24.5 36.7

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.897 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL035423.D

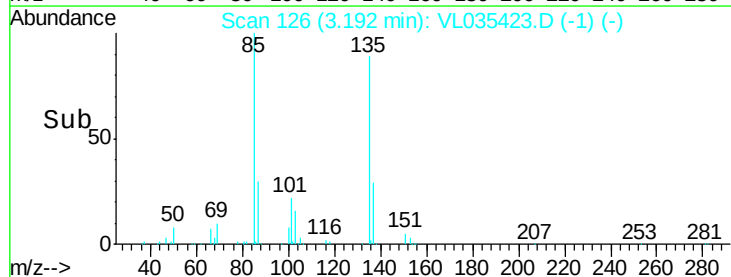
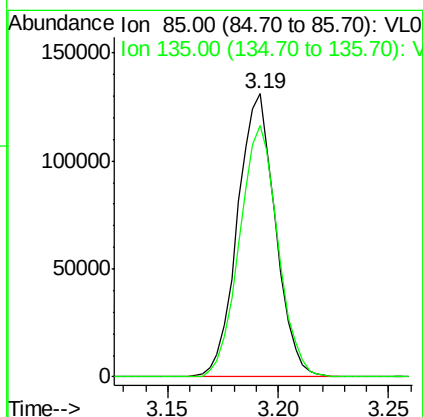
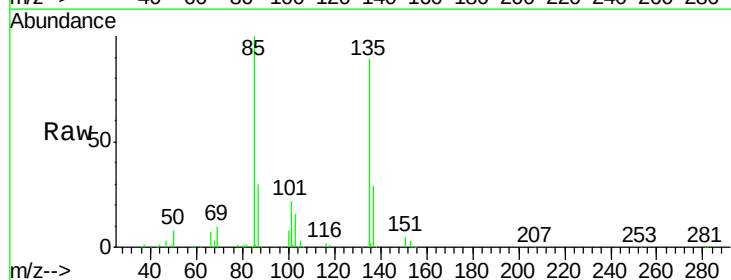
Acq: 17 Aug 2020 16:07

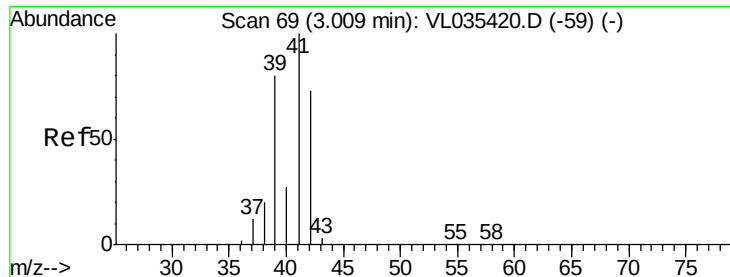
Tgt Ion: 85 Resp: 156504

Ion Ratio Lower Upper

85 100

135 90.3 48.6 72.8#





#9

Propene

Concen: 0.461 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 32331

Ion Ratio Lower Upper

41 100

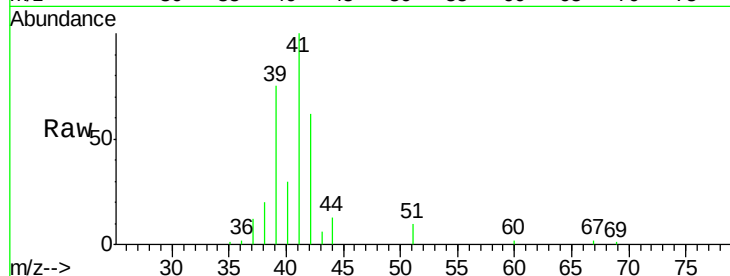
42 66.2 55.5 83.3

Manual Integrations

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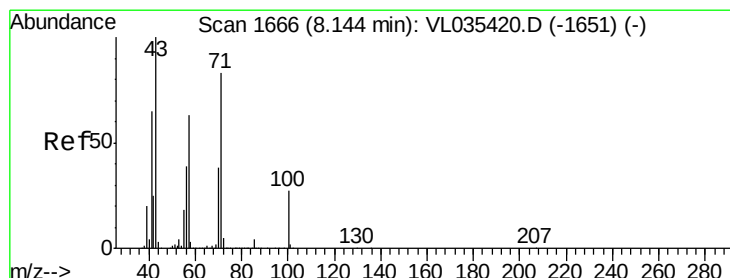
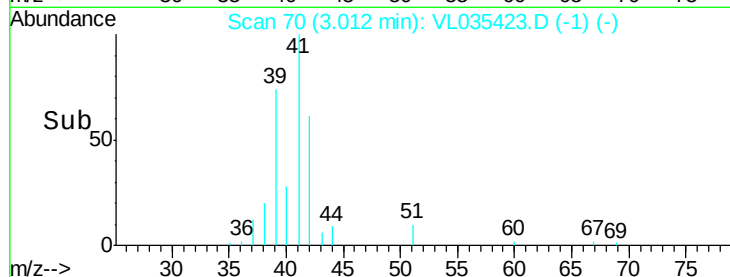
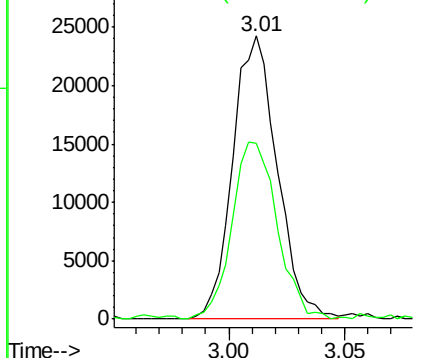
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.439 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035423.D

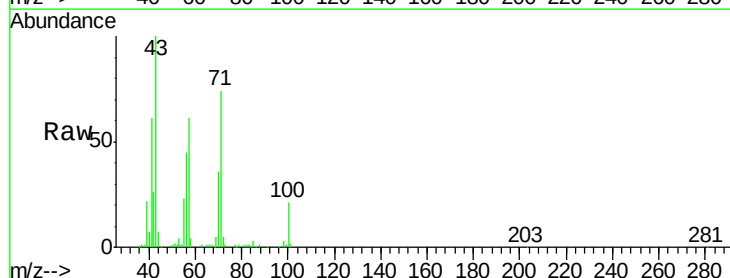
Acq: 17 Aug 2020 16:07

Tgt Ion: 43 Resp: 77707

Ion Ratio Lower Upper

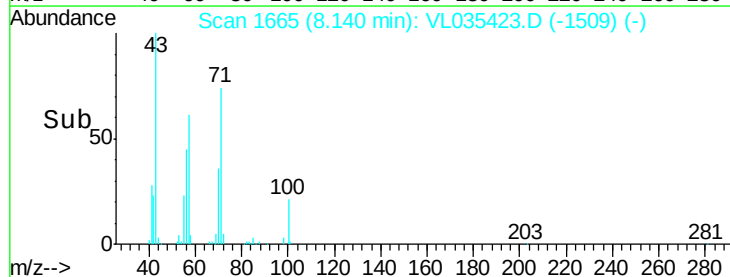
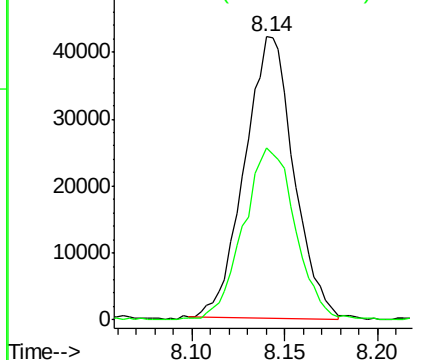
43 100

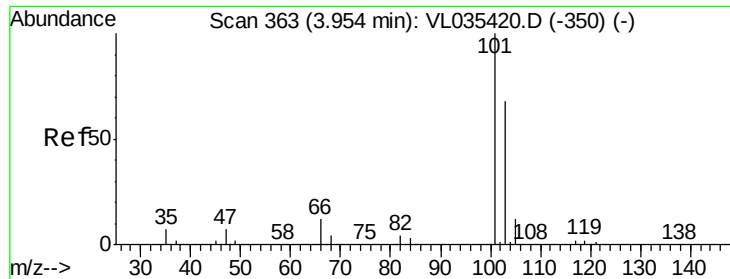
57 64.5 39.8 59.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





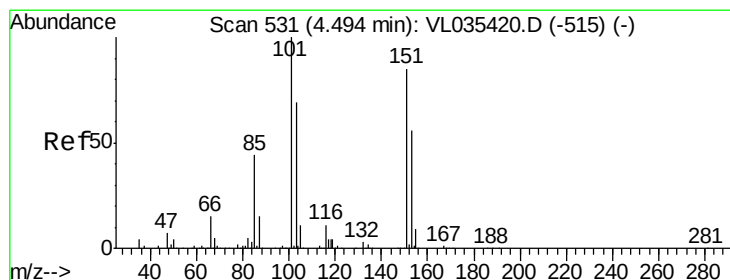
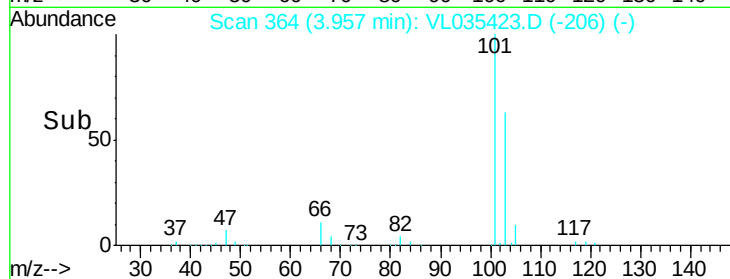
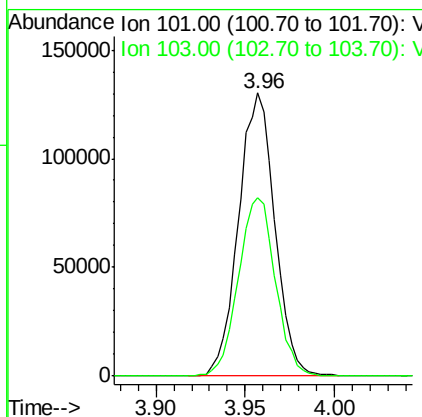
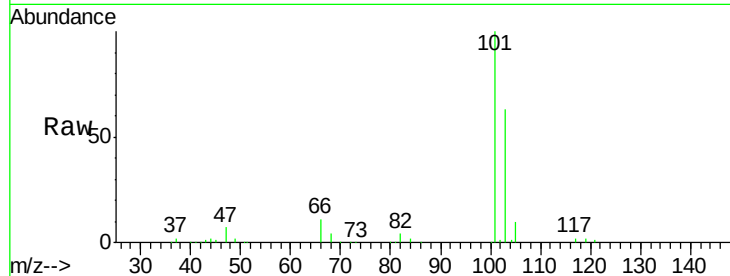
#11
 Trichlorofluoromethane
 Concen: 1.008 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		185159		
103	63.0	52.6	78.8		

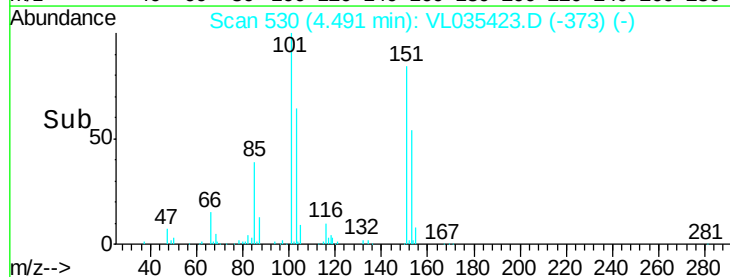
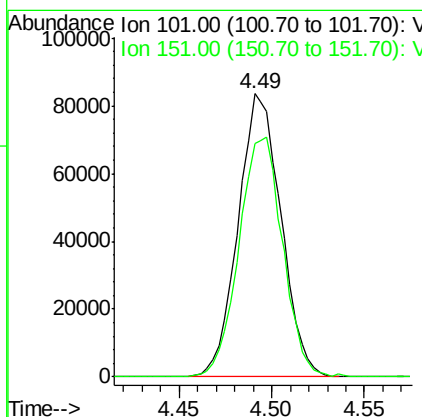
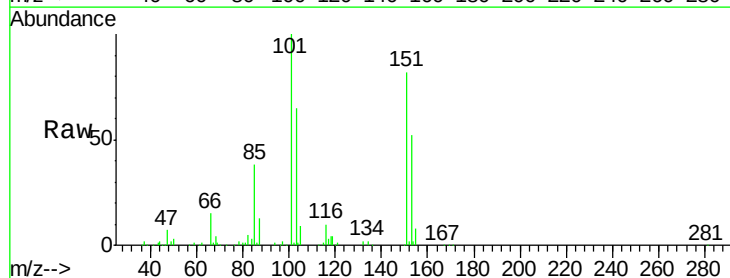
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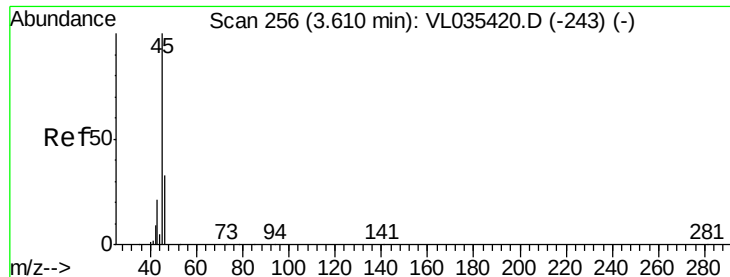
MMDadoda
 8/20/2020 11:05:41 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.127 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		134844		
151	86.4	53.6	80.4#		





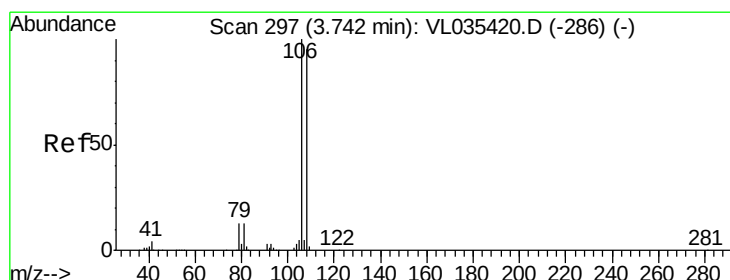
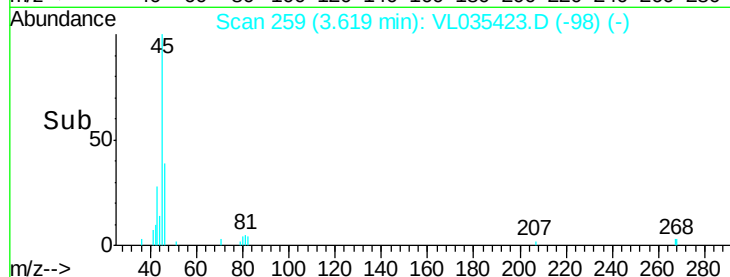
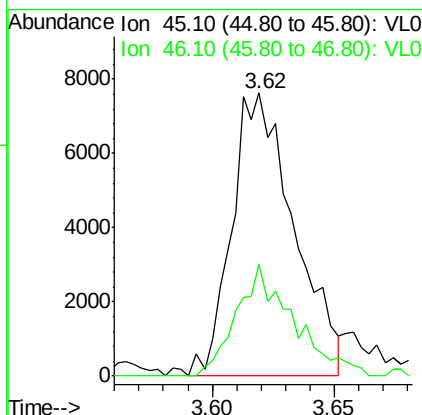
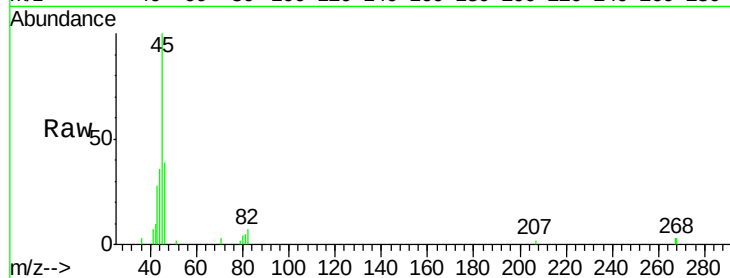
#13
Ethanol
Concen: 0.605 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.2	56.6

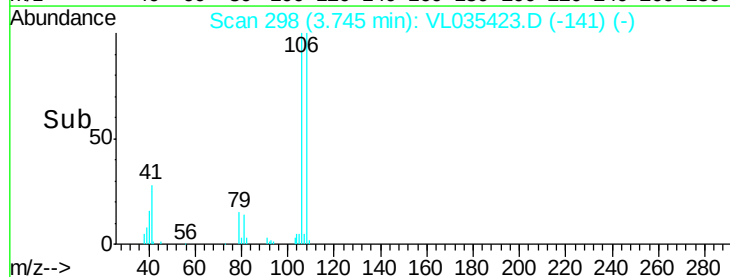
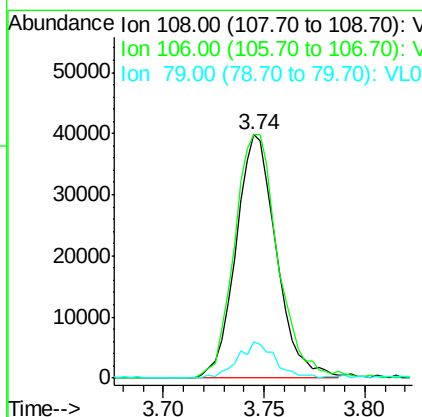
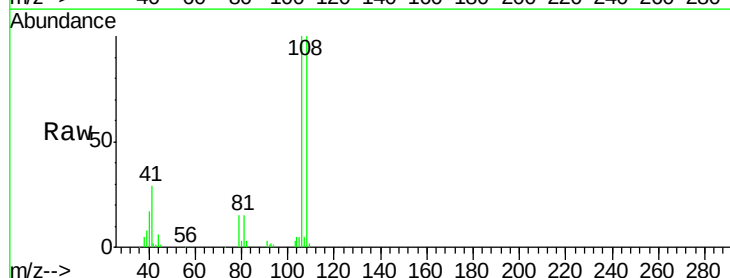
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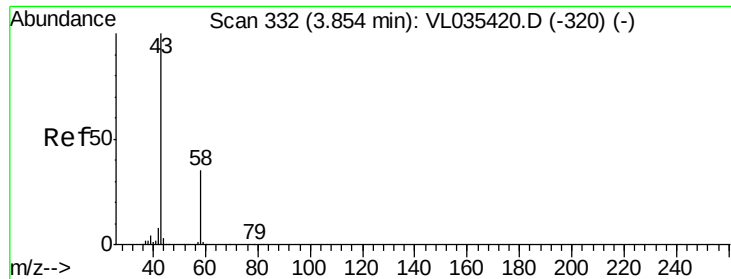
MMDadoda
8/20/2020 11:05:41 AM



#14
Bromoethene
Concen: 1.069 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.9	86.7	130.1
79	15.1	16.8	25.2#





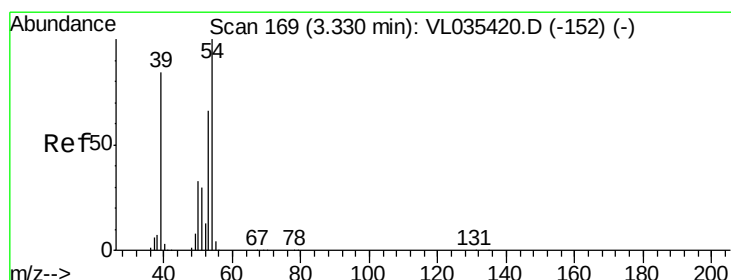
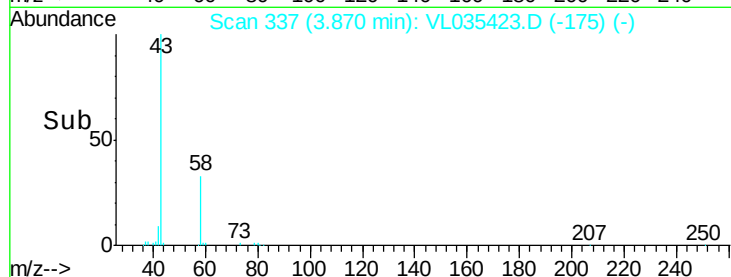
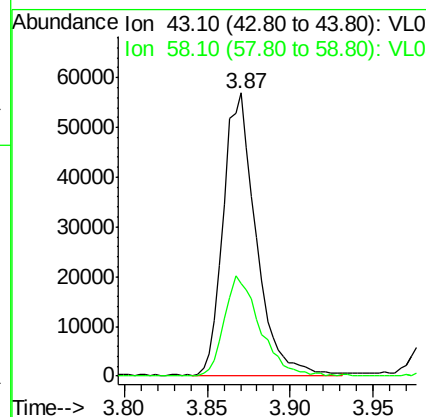
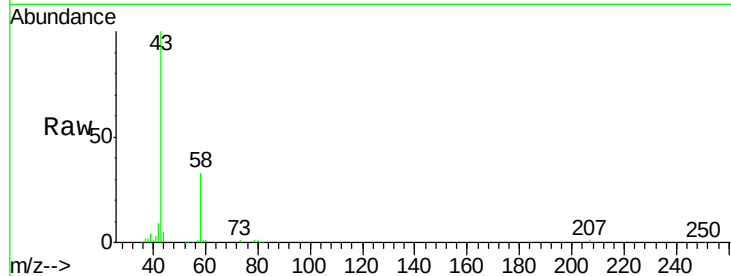
#15
Acetone
Concen: 0.520 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 78841
Ion Ratio Lower Upper
43 100
58 38.4 21.0 31.6#

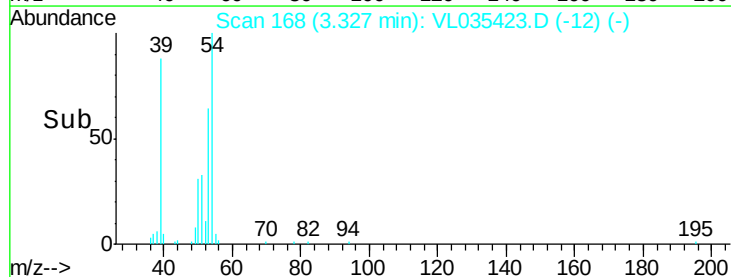
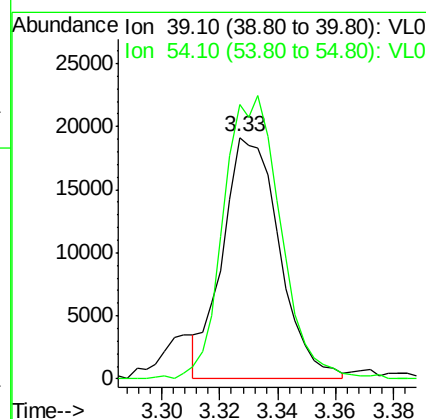
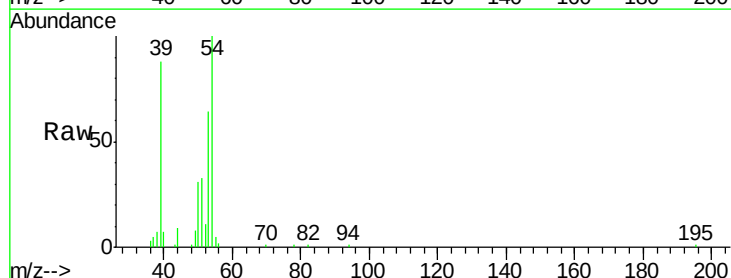
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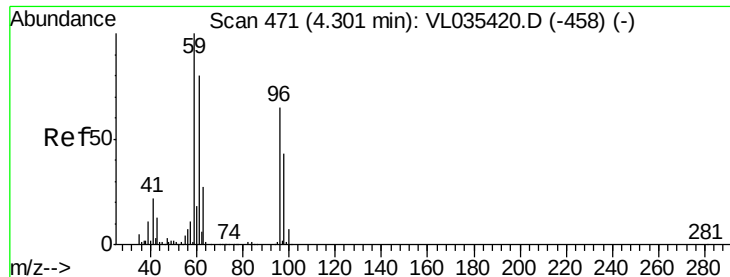
MMDadoda
8/20/2020 11:05:41 AM



#16
1,3-Butadiene
Concen: 0.373 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion: 39 Resp: 25906
Ion Ratio Lower Upper
39 100
54 118.5 64.4 96.6#





#17

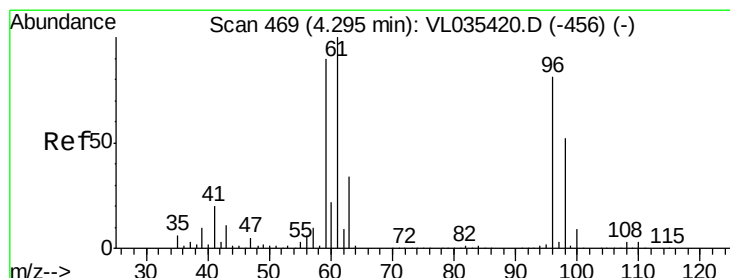
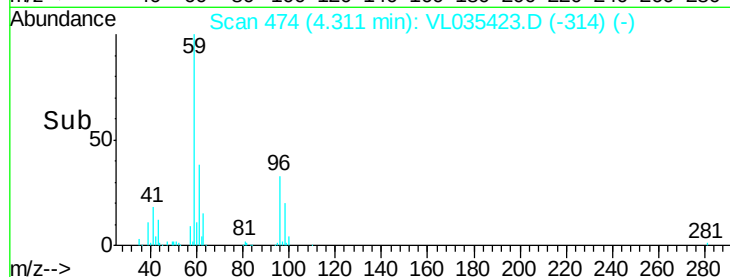
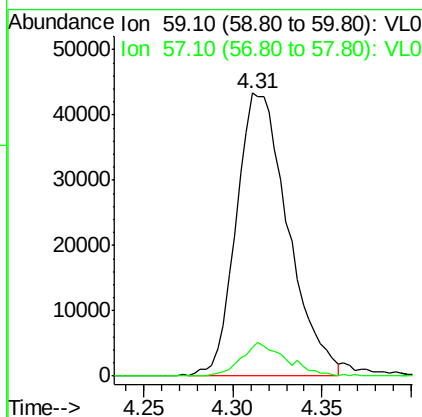
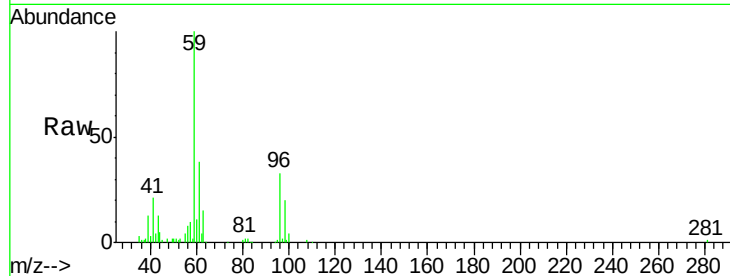
tert-Butyl alcohol
Concen: 0.610 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	59	Resp	87772
Ion Ratio	100	Lower	Upper
57	10.4	8.9	13.3

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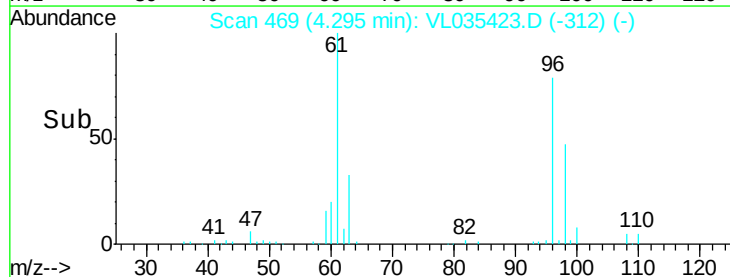
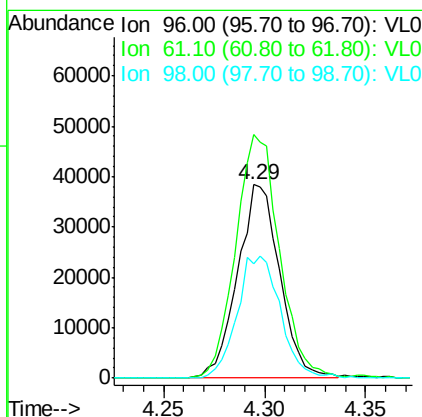
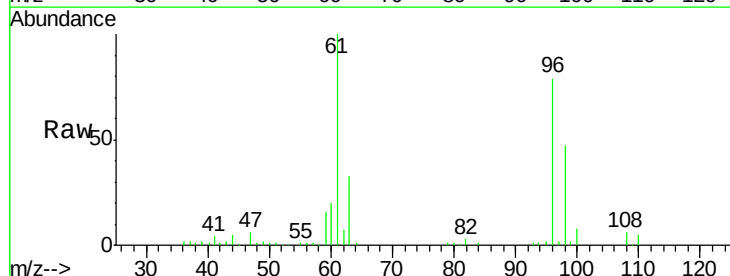
MMDadoda
8/20/2020 11:05:41 AM

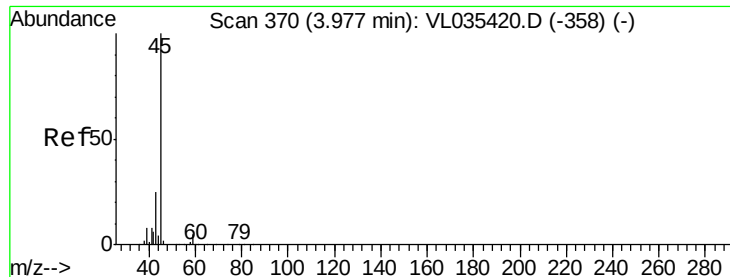


#18

1,1-Dichloroethene
Concen: 1.048 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion	96	Resp	56344
Ion Ratio	100	Lower	Upper
61	126.0	161.8	242.6#
98	59.4	49.3	73.9





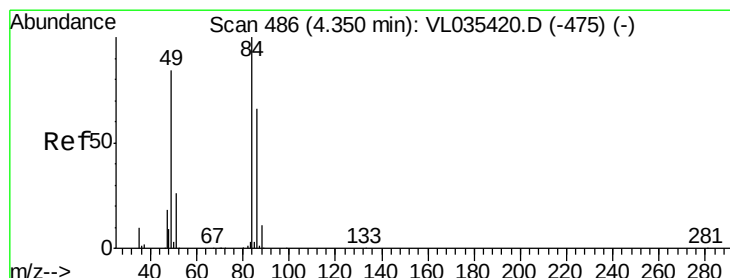
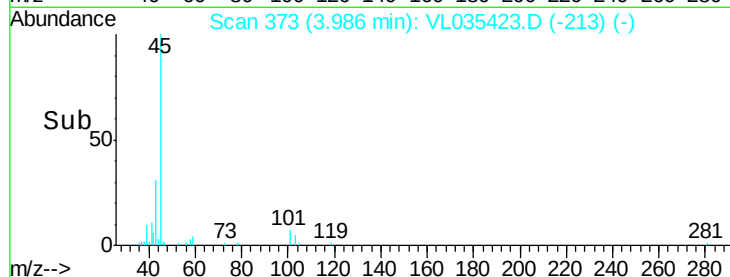
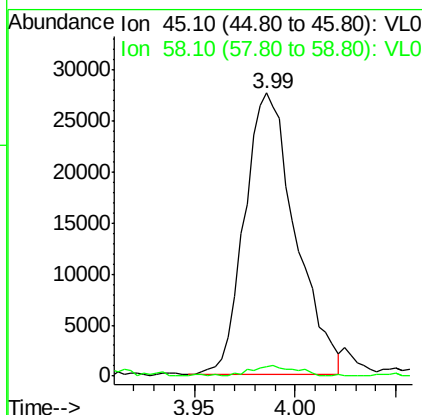
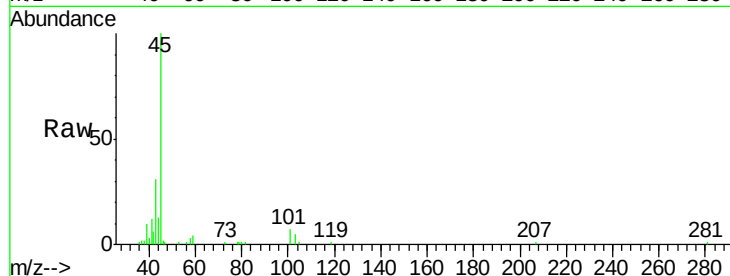
#19
Isopropyl Alcohol
Concen: 0.453 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.02 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 48461
Ion Ratio Lower Upper
45 100
58 3.3 1.0 1.6#

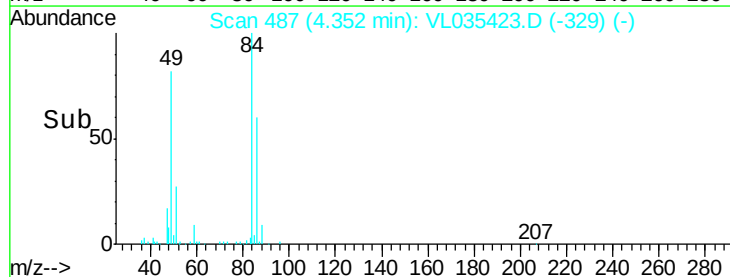
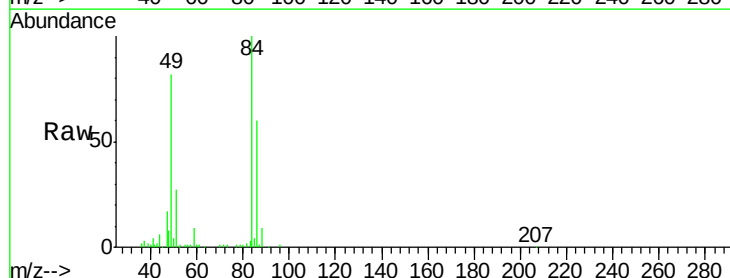
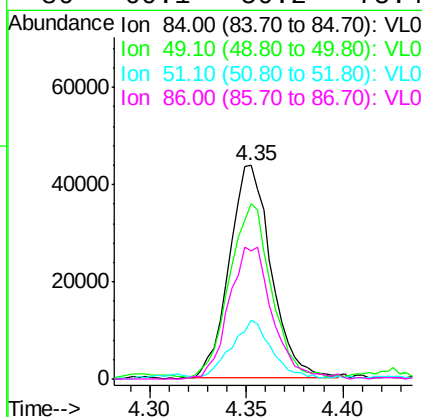
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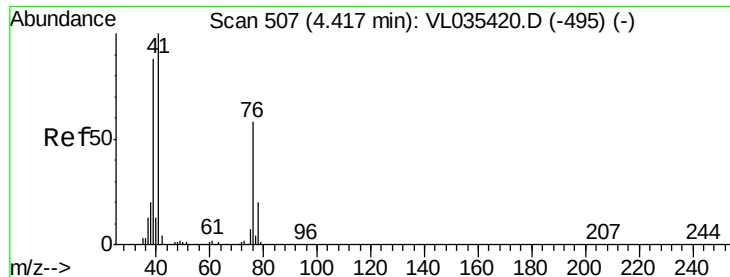
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#20
Methylene Chloride
Concen: 1.171 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion: 84 Resp: 65862
Ion Ratio Lower Upper
84 100
49 81.8 118.6 177.8#
51 26.7 36.4 54.6#
86 60.1 50.2 75.4





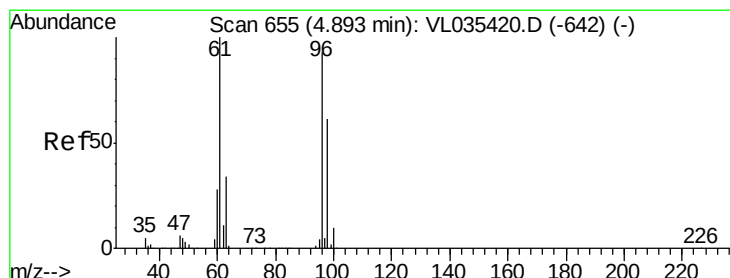
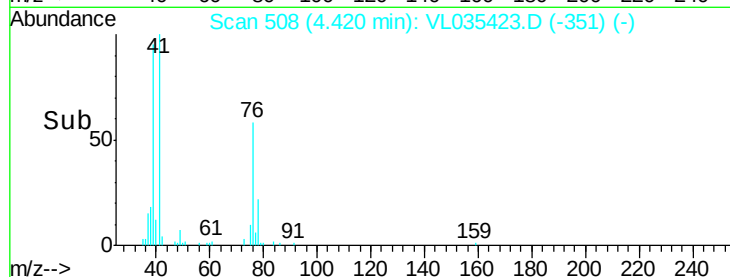
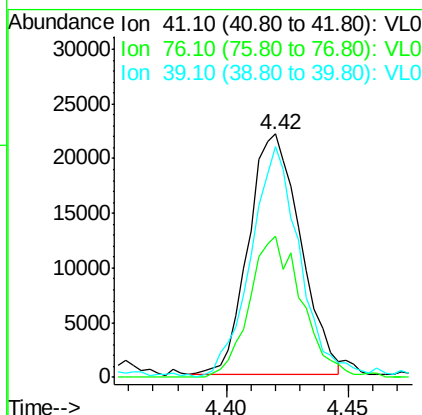
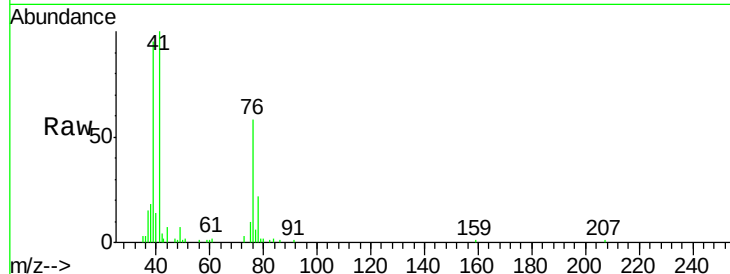
#21
Allvl Chloride
Concen: 0.368 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	58.8	22.8	34.2#
39	91.0	66.2	99.2

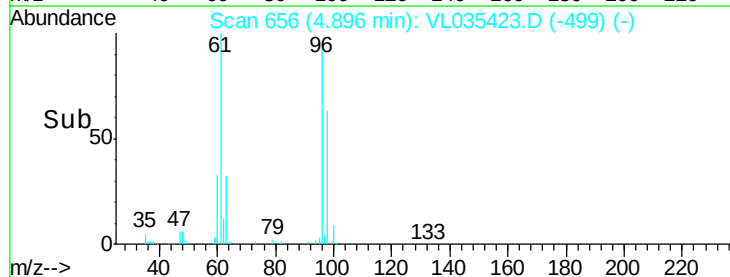
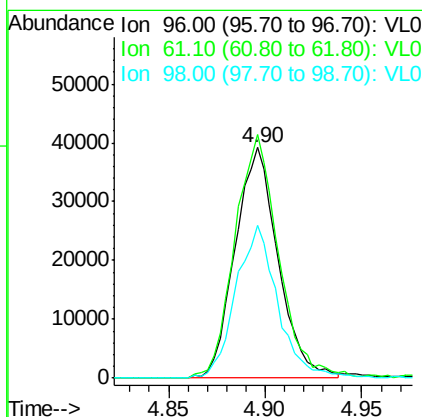
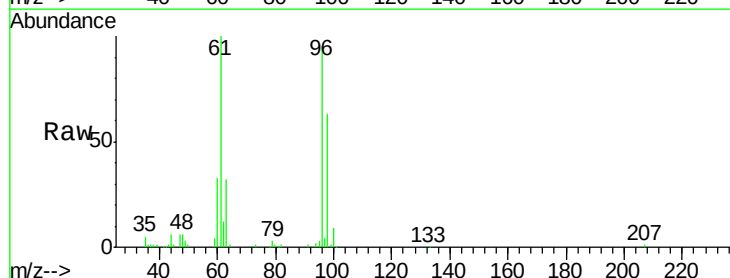
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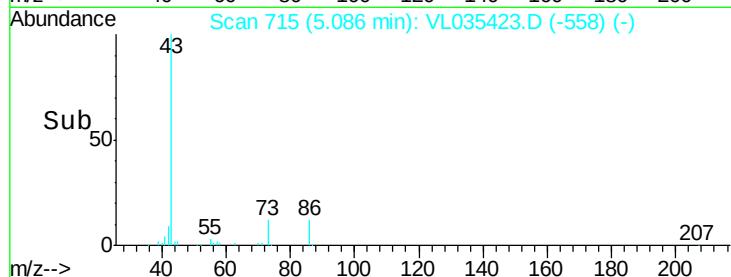
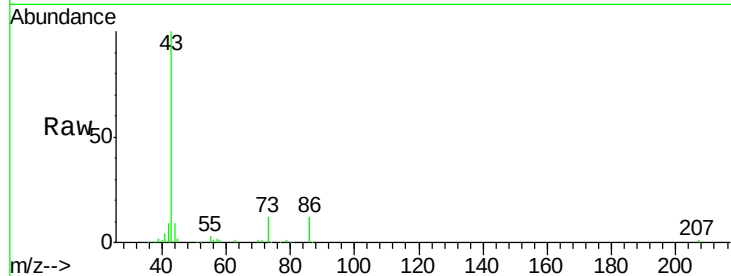
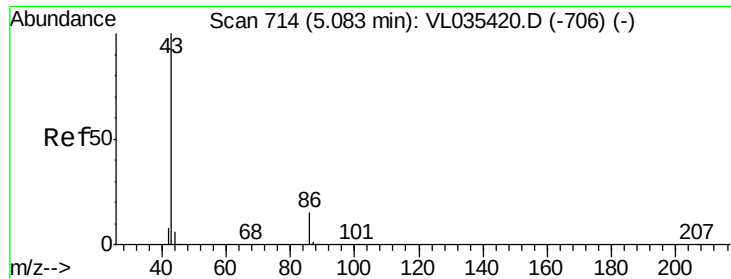
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 1.131 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	105.6	142.2	213.2#
98	66.0	51.8	77.8





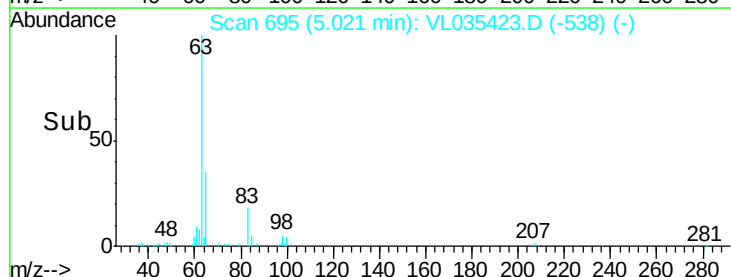
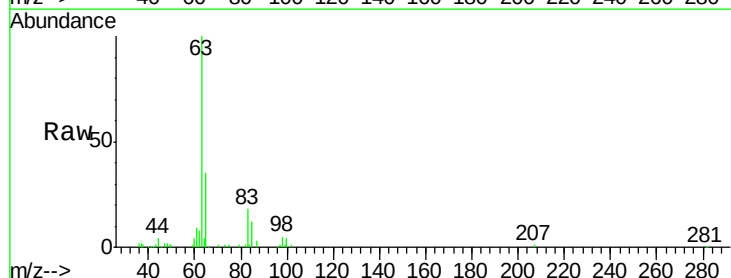
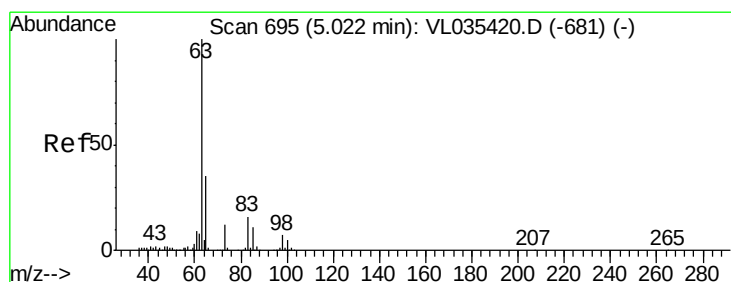
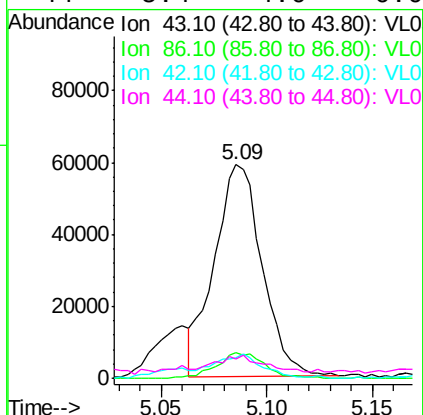
#23
 Vinyl Acetate
 Concen: 0.416 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Tot Ion	43	Resp	92425
Ion Ratio	Lower	Upper	
43	100		
86	12.5	6.5	9.7#
42	9.2	8.3	12.5
44	5.4	4.0	6.0

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

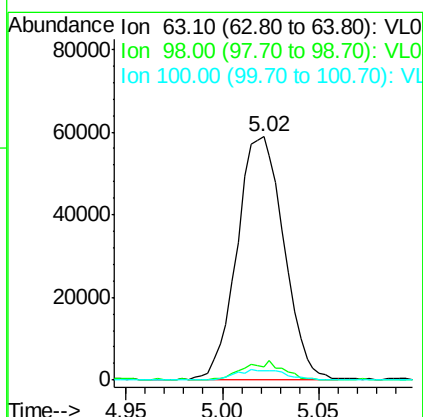
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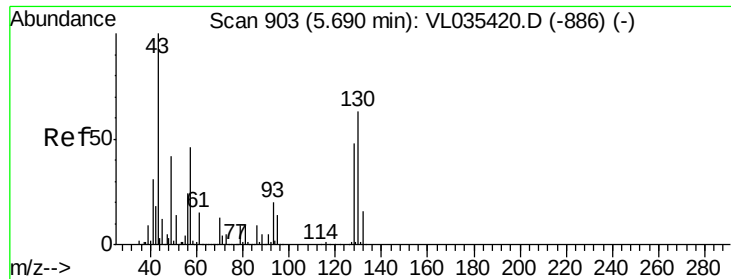
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#24
 1,1-Dichloroethane
 Concen: 0.625 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Tgt Ion	63	Resp	99101
Ion Ratio	Lower	Upper	
63	100		
98	5.1	2.1	6.5
100	4.0	1.3	3.8#





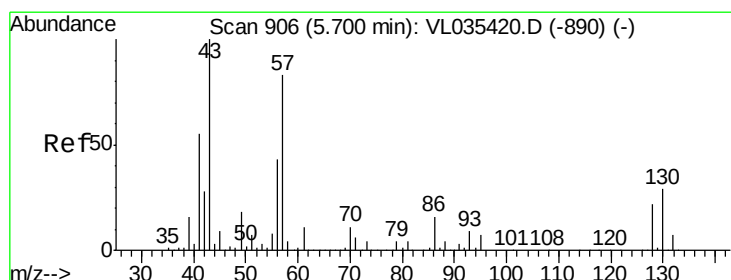
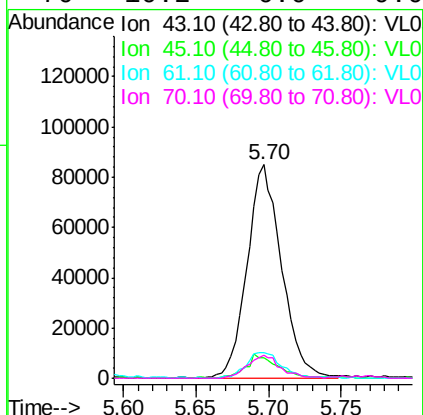
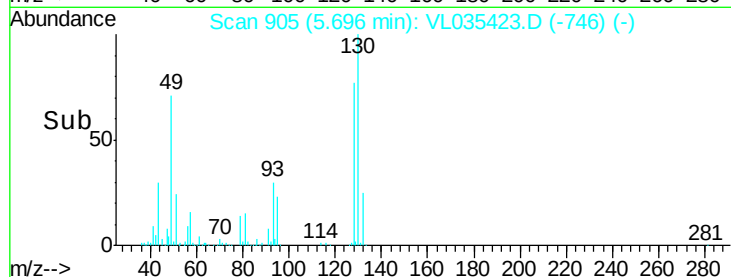
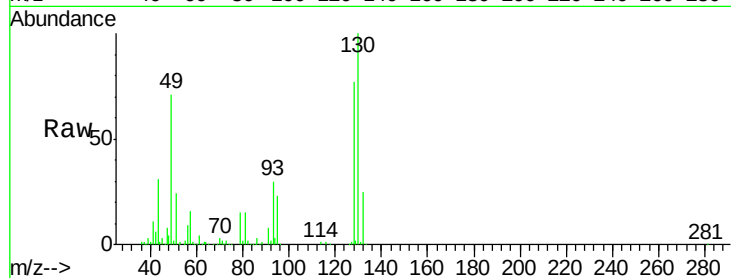
#25
Ethyl Acetate
Concen: 0.461 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	11.0	8.3	12.5	
61	12.9	7.6	11.4	
70	10.2	6.0	9.0	

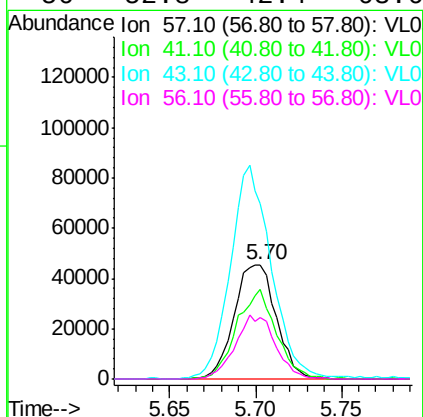
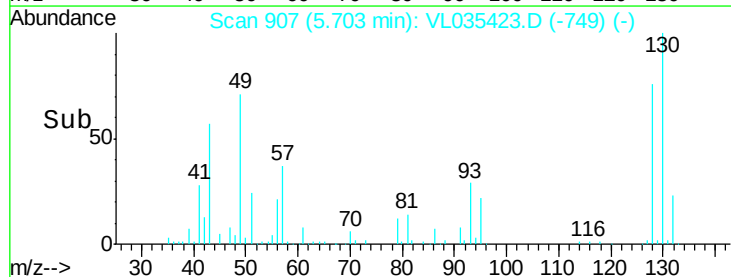
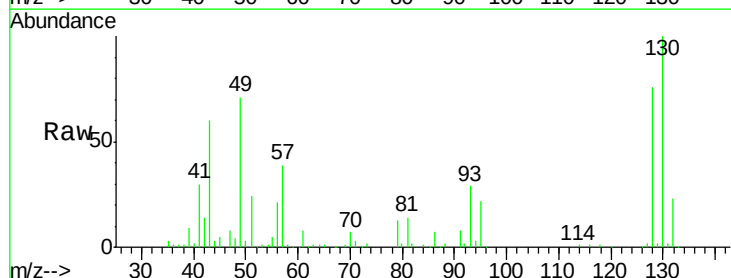
Manual Integrations
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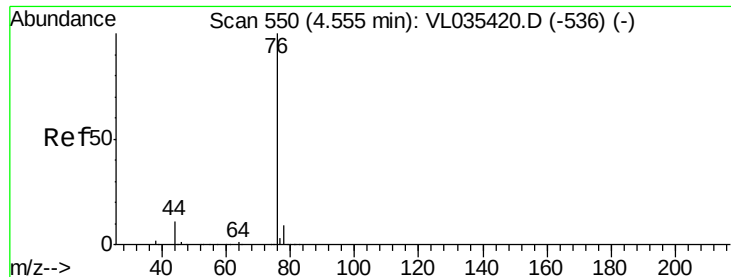
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#26
Hexane
Concen: 0.590 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	74.9	75.5	113.3	
43	181.9	181.7	272.5	
56	52.8	42.4	63.6	





#27

Carbon Disulfide

Concen: 0.743 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

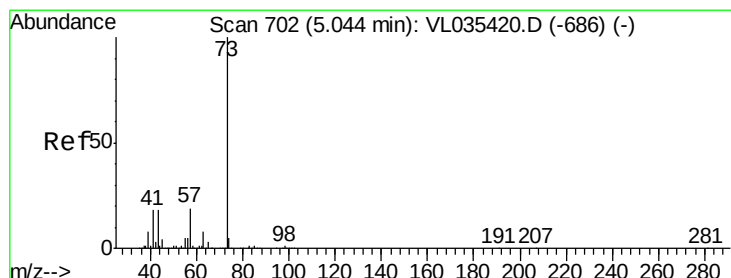
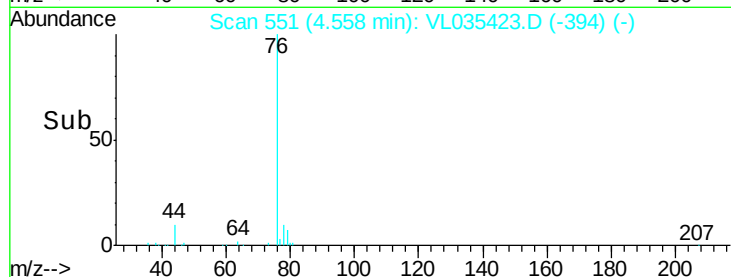
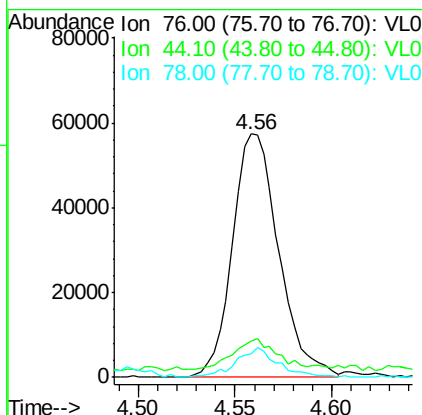
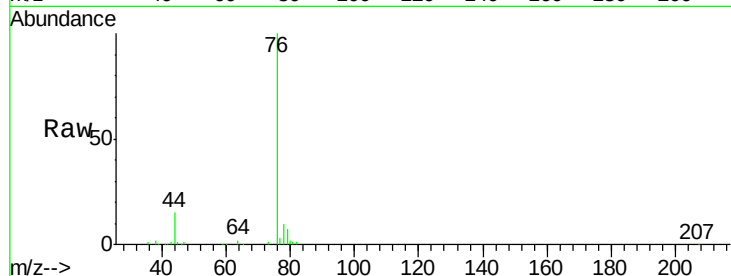
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	95534
Ion Ratio	Lower	Upper	
76	100		
44	14.2	16.8	25.2#
78	11.2	7.3	10.9#

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.669 ppbv

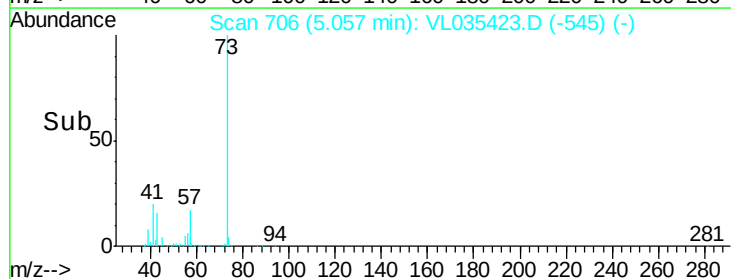
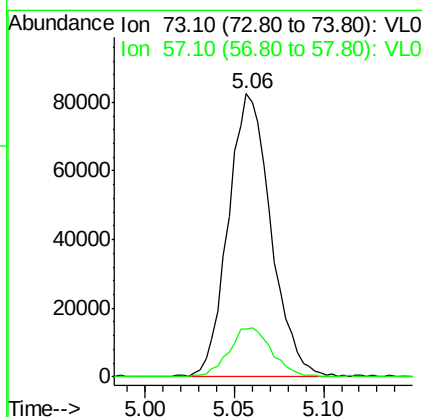
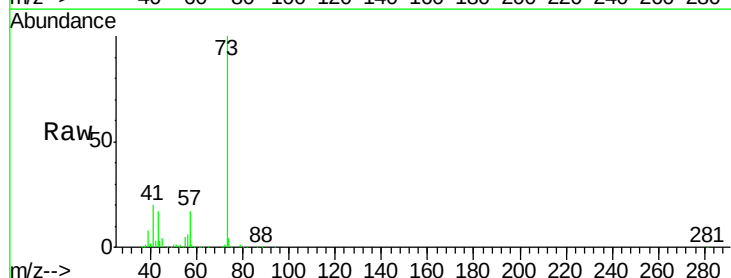
RT: 5.06 min Scan# 706

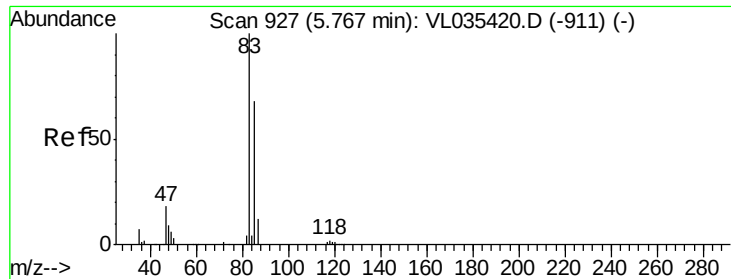
Delta R.T. 0.02 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Tgt Ion:	73	Resp:	136293
Ion Ratio	Lower	Upper	
73	100		
57	18.0	18.3	27.5#





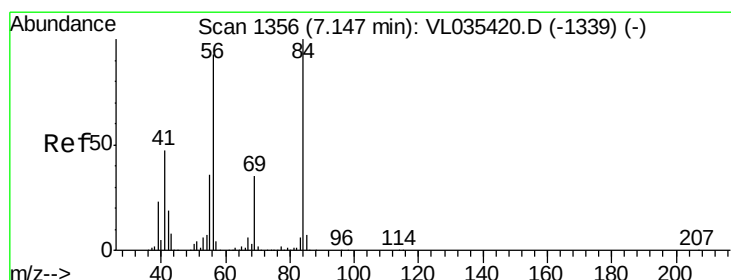
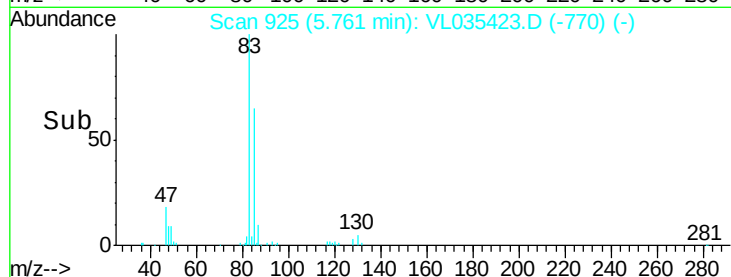
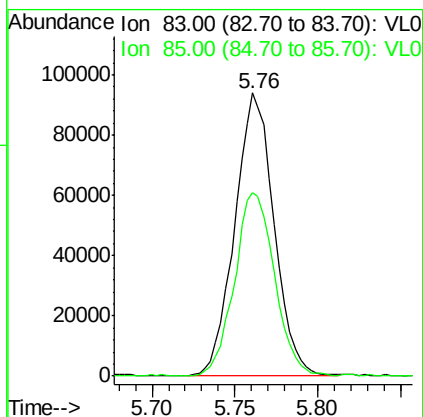
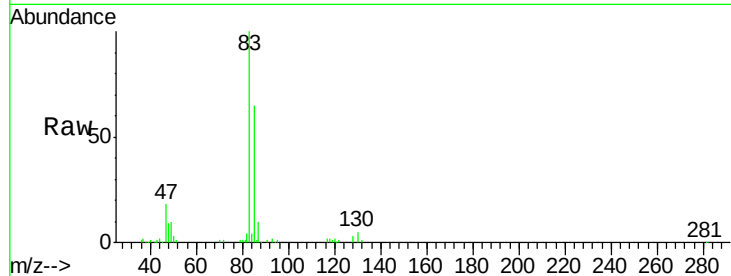
#29
Chloroform
Concen: 0.763 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.00 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 154744
Ion Ratio Lower Upper
83 100
85 64.9 52.7 79.1

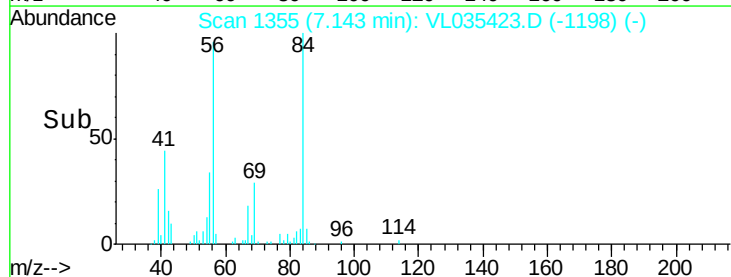
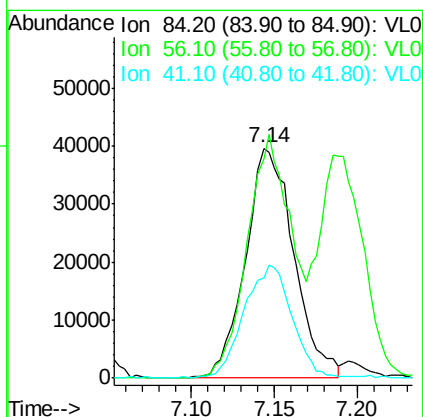
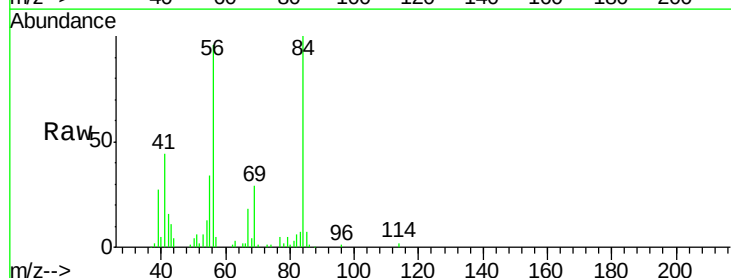
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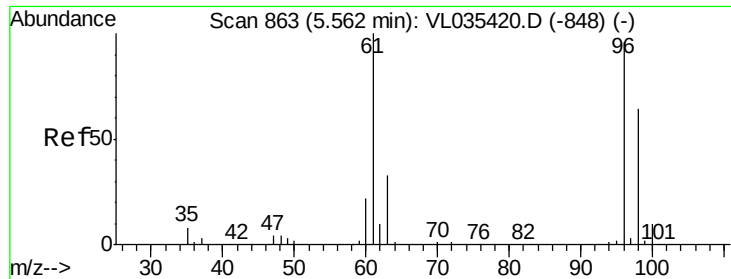
MMDadoda
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#30
Cyclohexane
Concen: 0.767 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion: 84 Resp: 80376
Ion Ratio Lower Upper
84 100
56 101.9 114.9 172.3#
41 49.3 72.3 108.5#





#31

cis-1,2-Dichloroethene

Concen: 0.583 ppbv

RT: 5.56 min Scan# 863

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 61 Resp: 78412

Ion Ratio Lower Upper

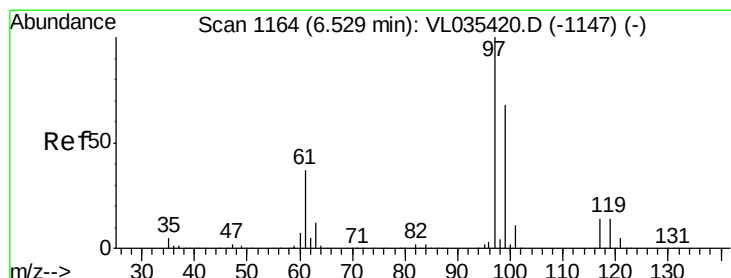
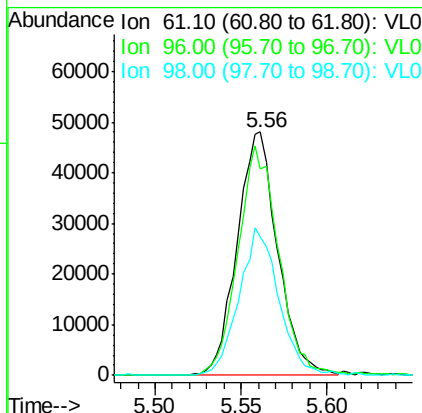
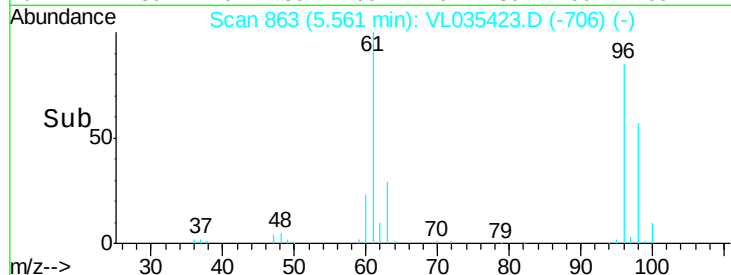
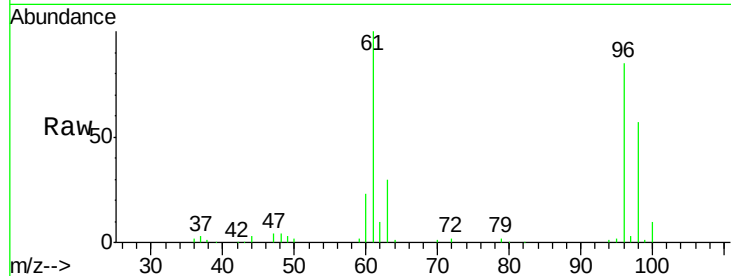
61 100

96 84.7 51.4 77.0#

98 56.8 32.9 49.3#

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#32

1,1,1-Trichloroethane

Concen: 0.702 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

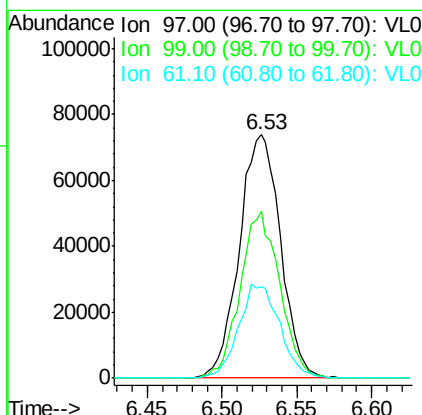
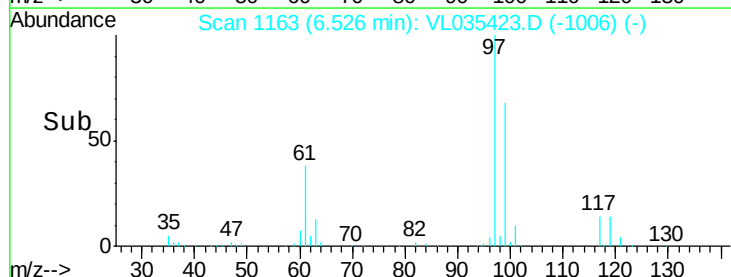
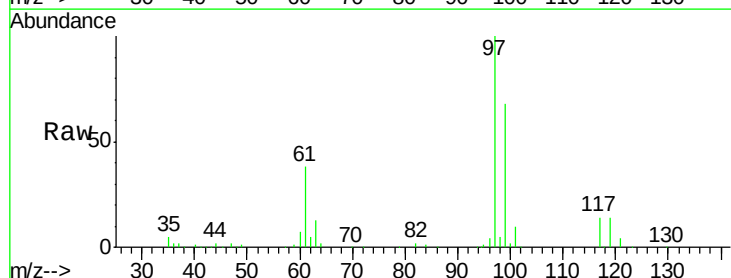
Tgt Ion: 97 Resp: 141753

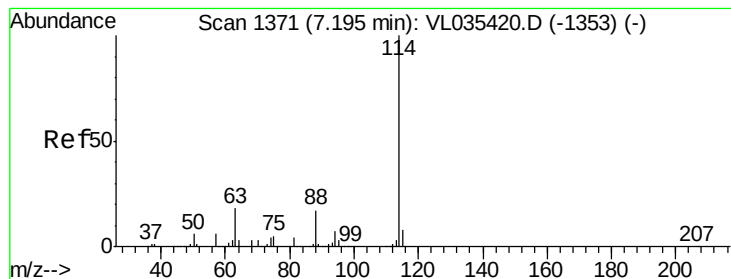
Ion Ratio Lower Upper

97 100

99 65.7 51.4 77.0

61 38.2 41.0 61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:114 Resp: 5086008

Ion Ratio Lower Upper

114 100

63 17.4 23.1 34.7#

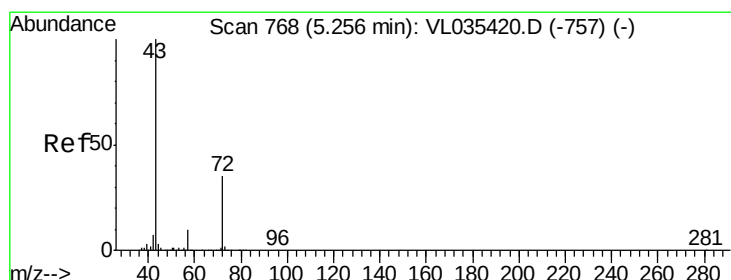
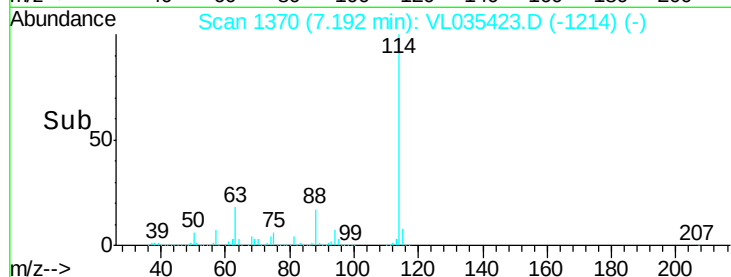
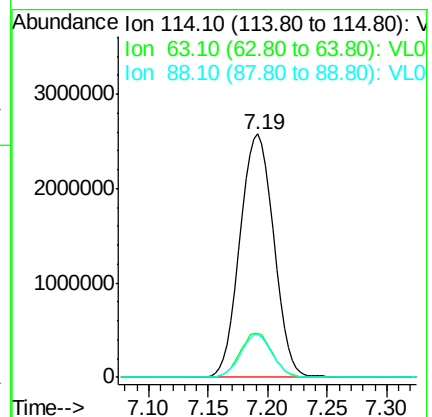
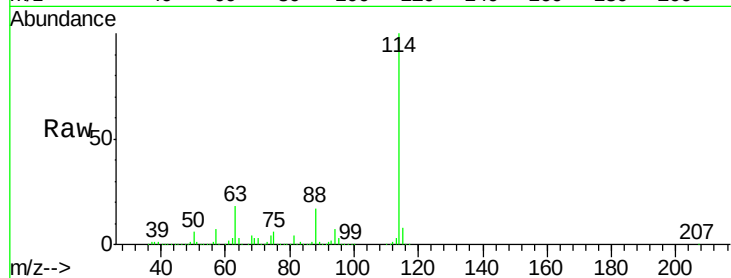
88 16.5 15.9 23.9

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#34

2-Butanone

Concen: 0.229 ppbv

RT: 5.27 min Scan# 771

Delta R.T. 0.02 min

Lab File: VL035423.D

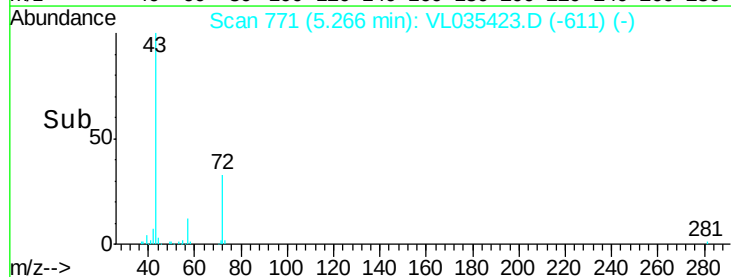
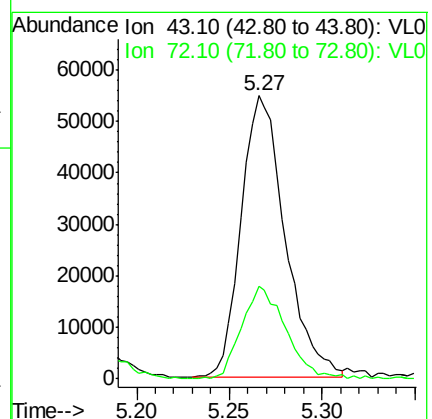
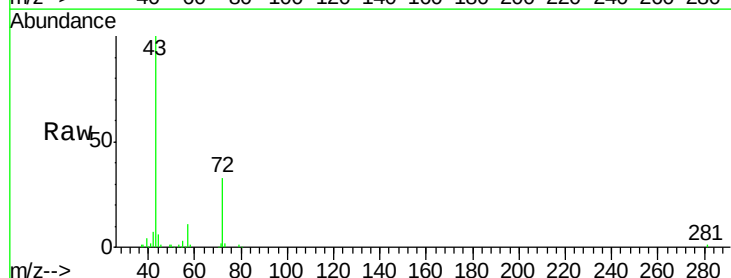
Acq: 17 Aug 2020 16:07

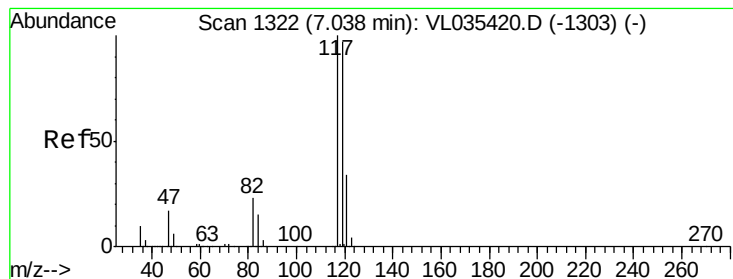
Tgt Ion: 43 Resp: 89814

Ion Ratio Lower Upper

43 100

72 33.9 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 0.384 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

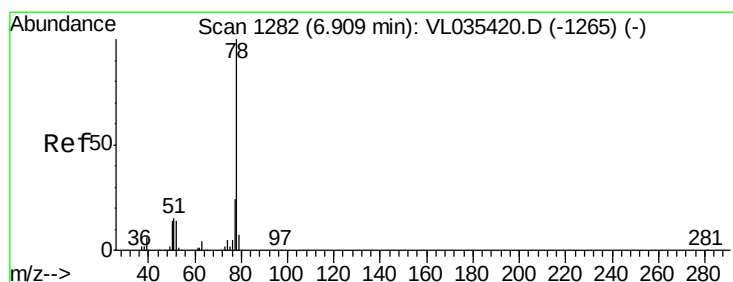
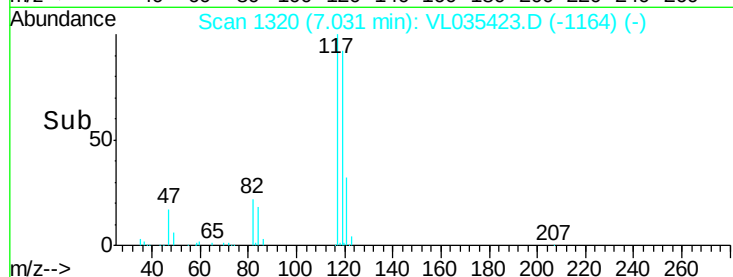
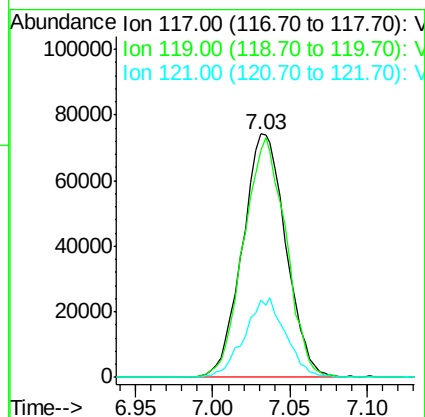
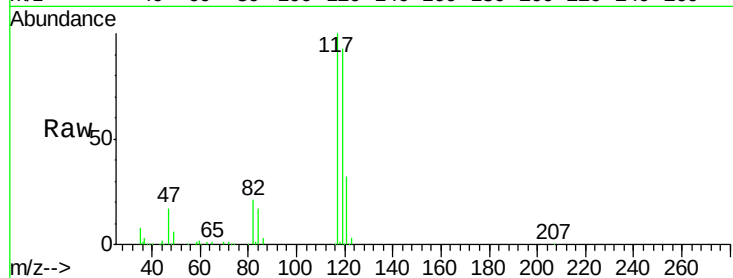
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	144933
Ion Ratio	Lower	Upper	
117	100		
119	93.2	76.1	114.1
121	31.6	25.5	38.3

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#36

Benzene

Concen: 0.394 ppbv

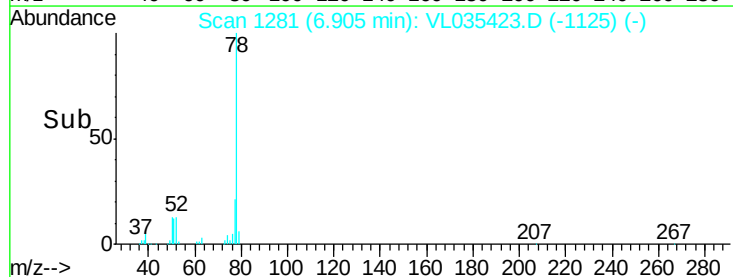
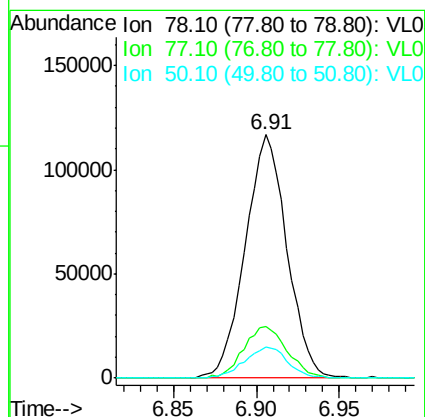
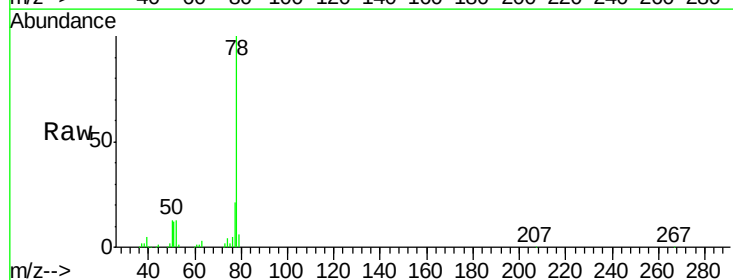
RT: 6.91 min Scan# 1281

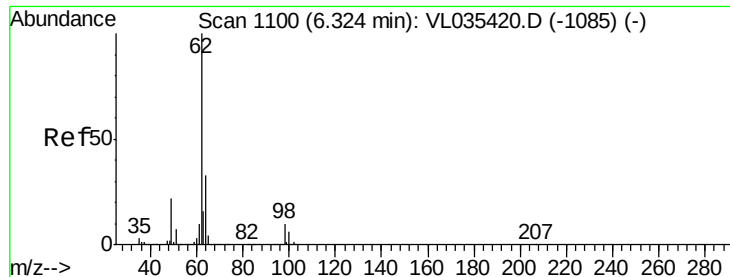
Delta R.T. 0.00 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Tgt Ion:	78	Resp:	203527
Ion Ratio	Lower	Upper	
78	100		
77	21.4	19.6	29.4
50	13.0	16.3	24.5#





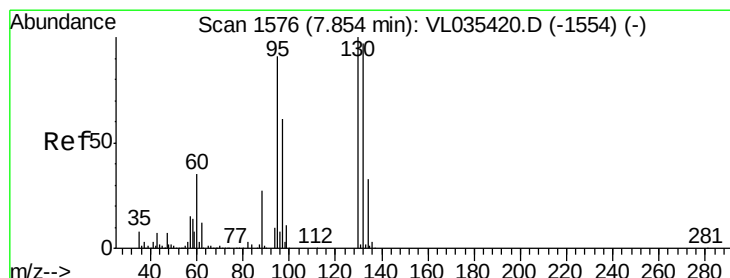
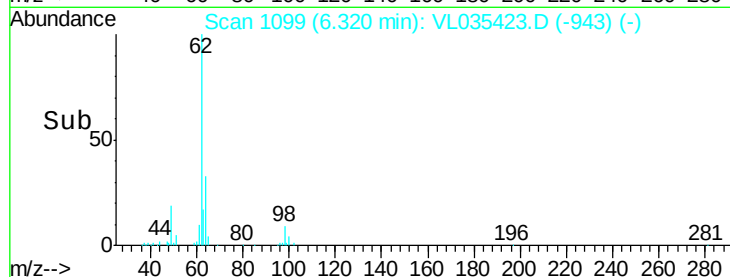
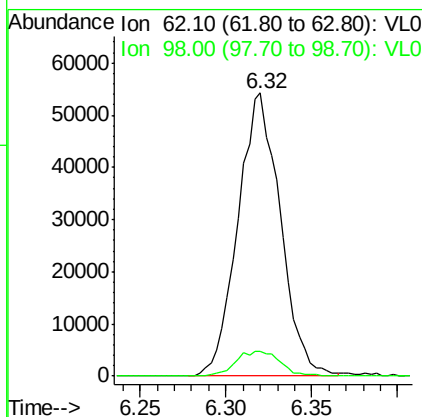
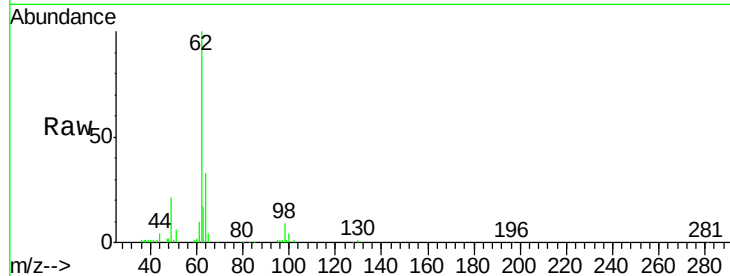
#37
 1,2-Dichloroethane
 Concen: 0.291 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.1	4.6	7.0#

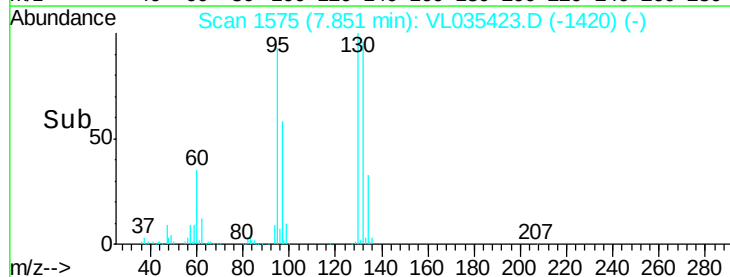
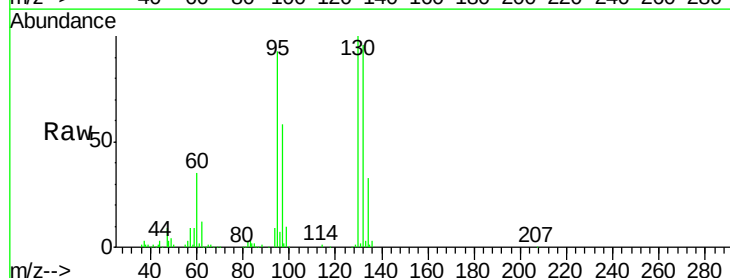
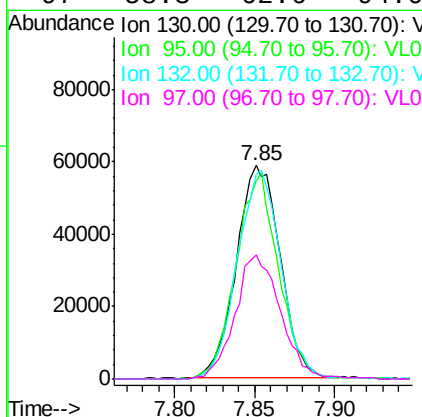
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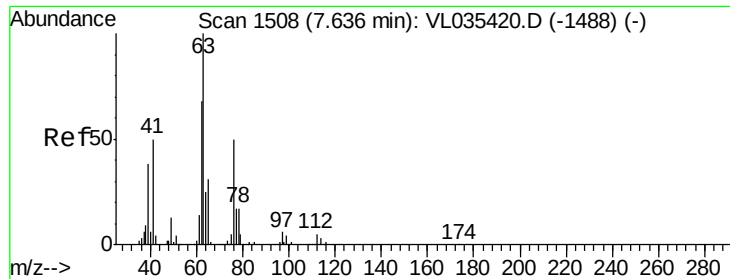
MMDadoda
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#38
 Trichloroethene
 Concen: 0.549 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	95.8	143.8#
132	96.2	74.3	111.5
97	58.3	62.6	94.0#





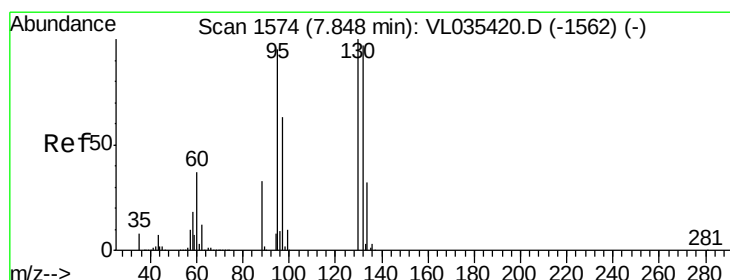
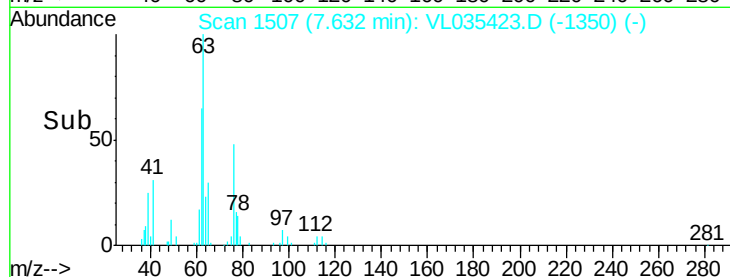
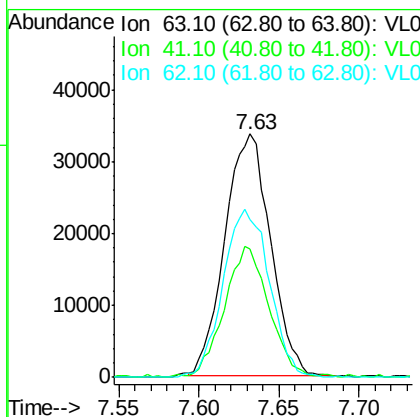
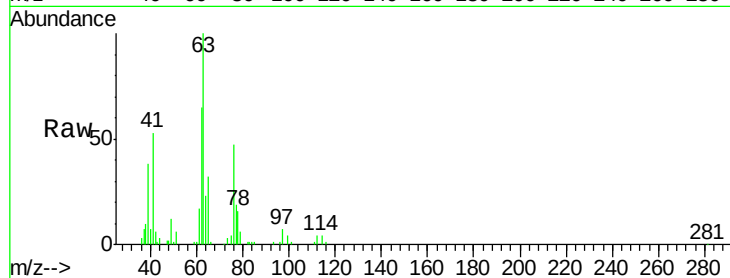
#39
 1,2-Dichloropropane
 Concen: 0.315 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	53.3	61.1	91.7#
62	64.6	55.3	82.9

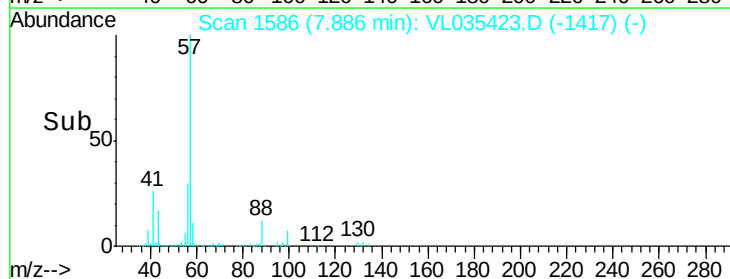
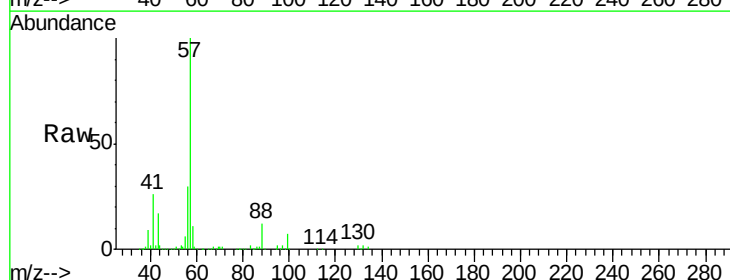
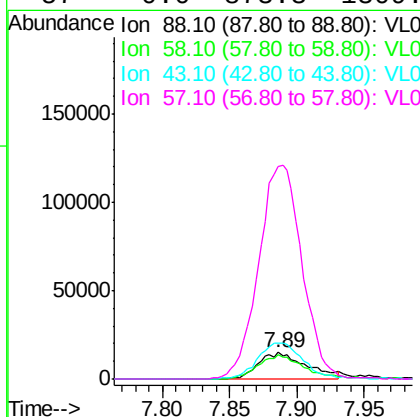
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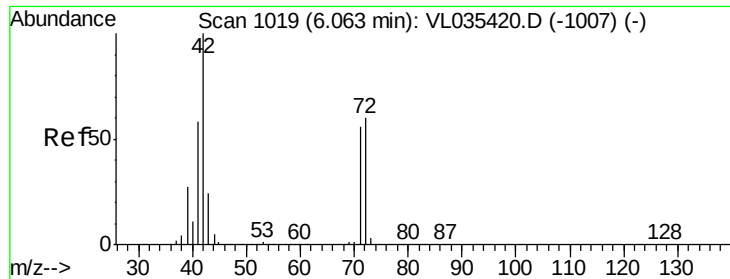
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#40
 1,4-Dioxane
 Concen: 0.459 ppbv m
 RT: 7.89 min Scan# 1586
 Delta R.T. 0.04 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.6	160.0#
43	0.0	209.7	314.5#
57	0.0	873.3	1309.9#





#41

Tetrahydrofuran

Concen: 0.216 ppbv

RT: 6.09 min Scan# 1027

Delta R.T. 0.03 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

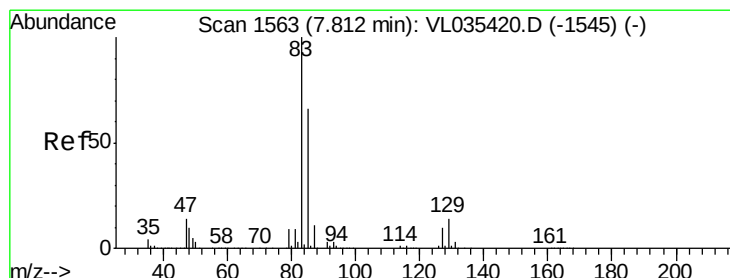
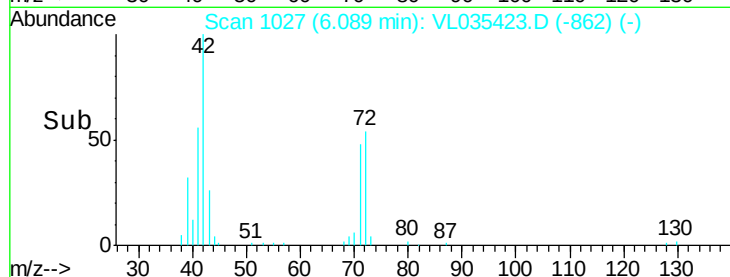
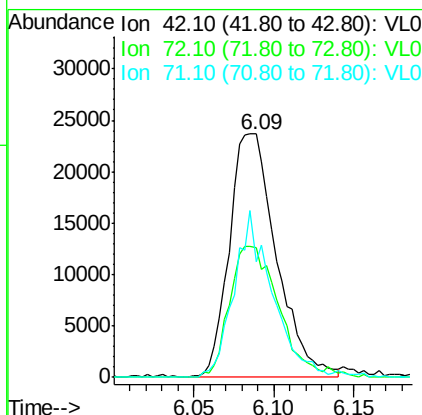
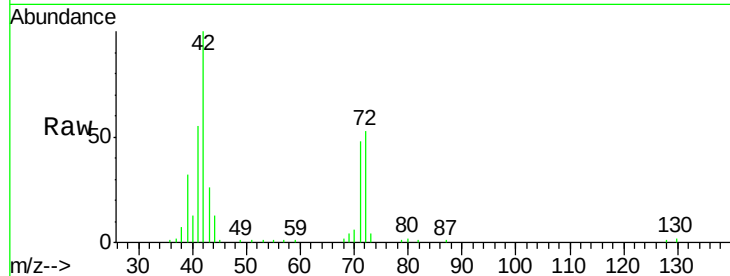
ClientSampleId :

VSTDIC0.5

Tot Ion	42	Resp	47652
Ion	Ratio	Lower	Upper
42	100		
72	56.8	29.4	44.2#
71	56.5	28.9	43.3#

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#42

Bromodichloromethane

Concen: 0.347 ppbv

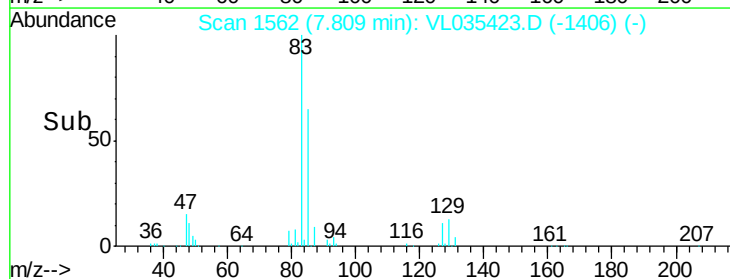
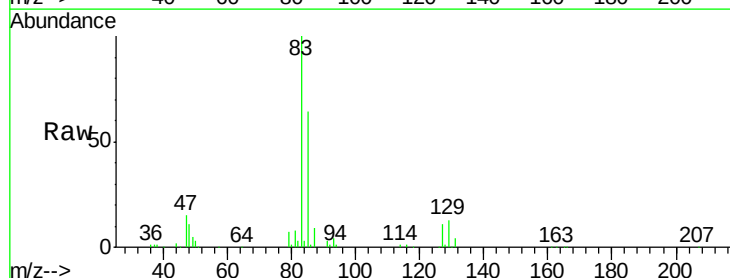
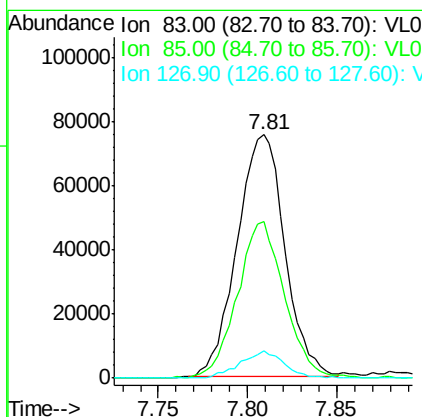
RT: 7.81 min Scan# 1562

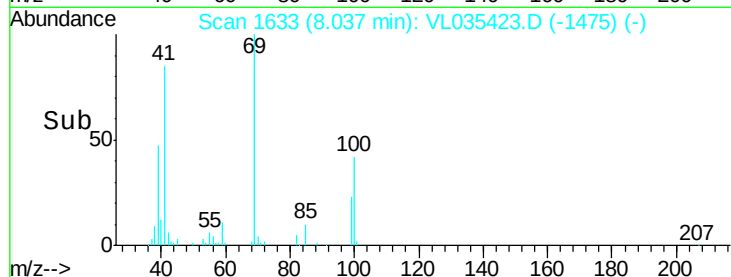
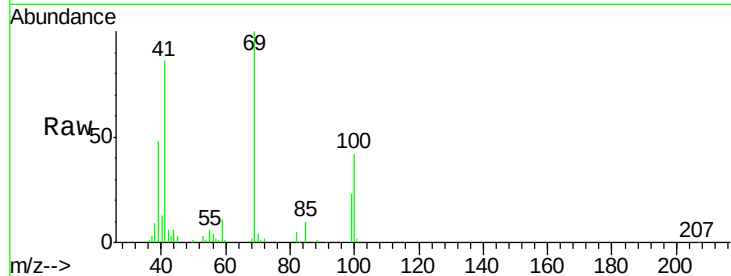
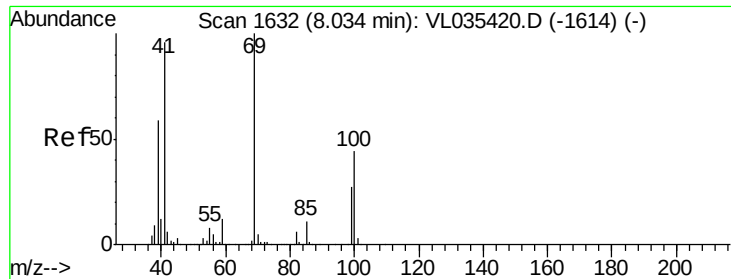
Delta R.T. 0.00 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Tgt Ion	83	Resp	141126
Ion	Ratio	Lower	Upper
83	100		
85	64.8	54.8	82.2
127	11.1	6.1	9.1#





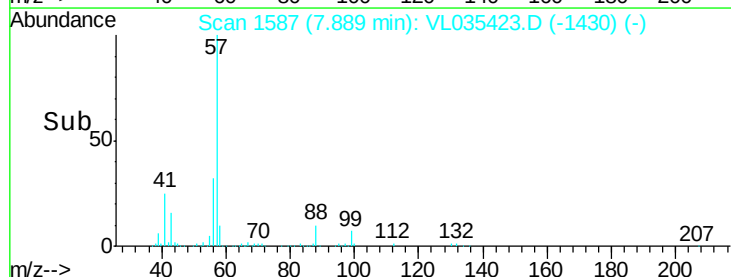
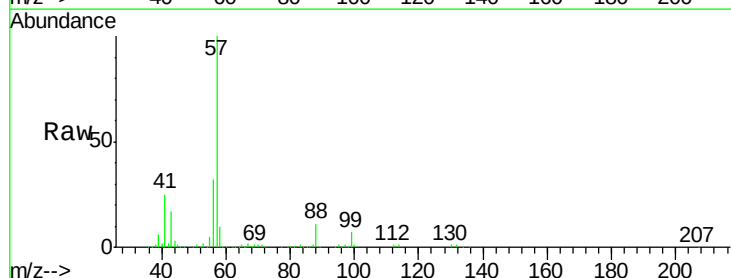
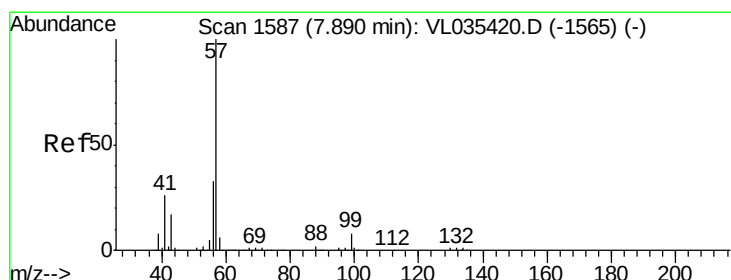
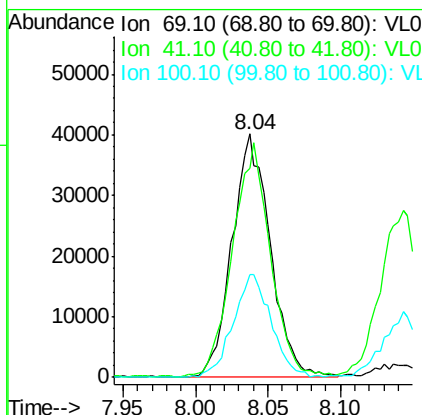
#43
Methyl Methacrylate
Concen: 0.328 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tot Ion	Ratio	Lower	Upper
69	100		
41	95.9	123.4	185.0#
100	42.3	24.2	36.4#

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

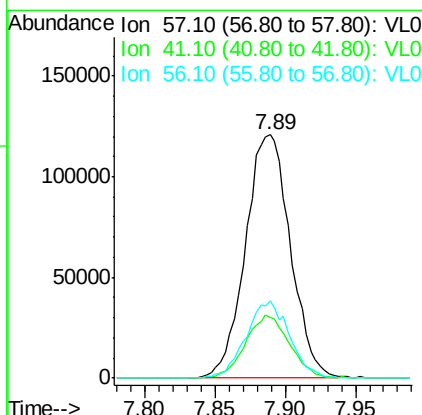
Manual Integrations
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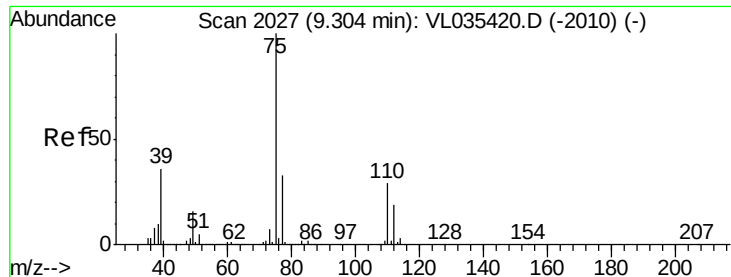
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.299 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
57	100		
41	25.5	27.2	40.8#
56	30.5	25.4	38.0





#45

t-1,3-Dichloropropene

Concen: 0.264 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 62345

Ion Ratio Lower Upper

75 100

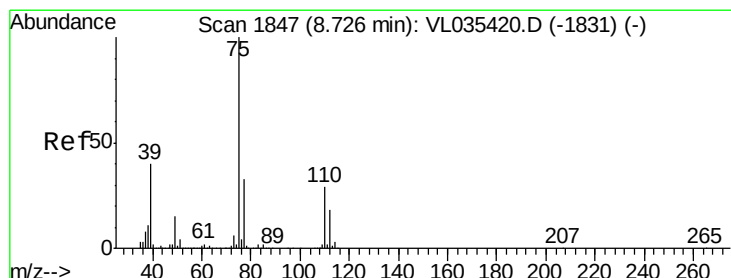
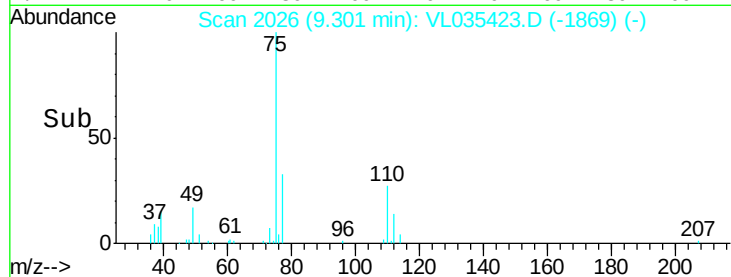
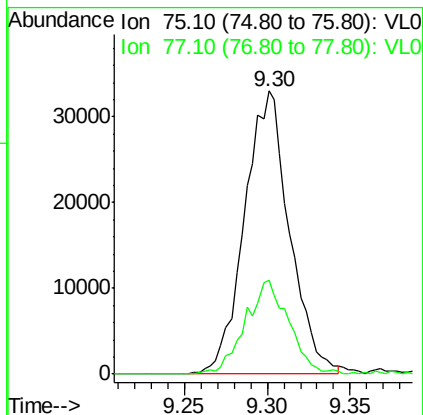
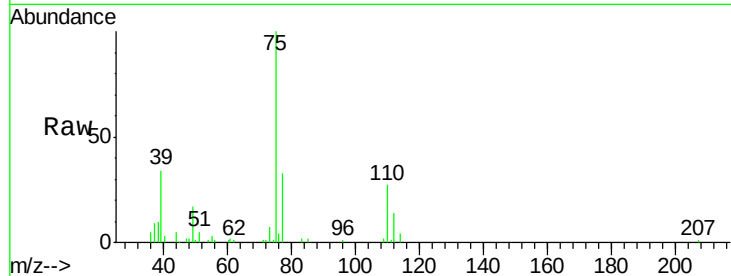
77 33.1 25.0 37.6

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#46

cis-1,3-Dichloropropene

Concen: 0.294 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

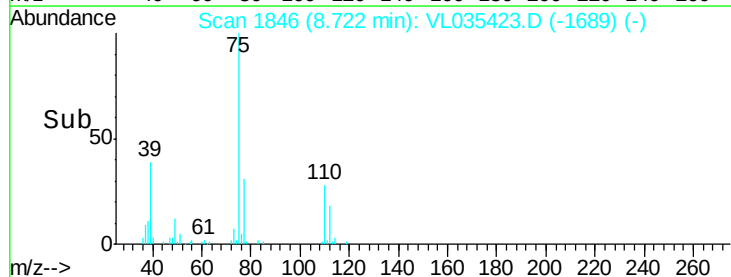
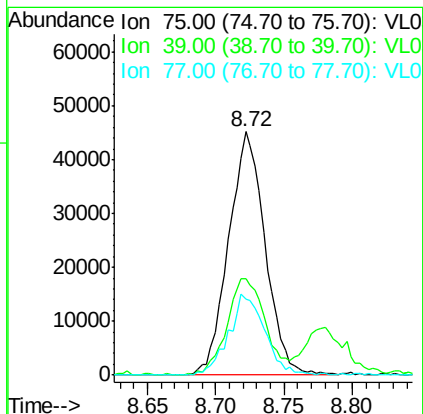
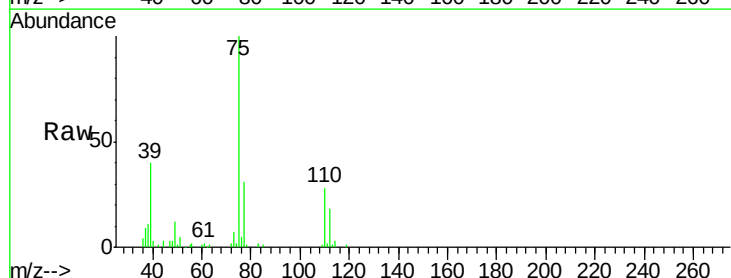
Tgt Ion: 75 Resp: 84124

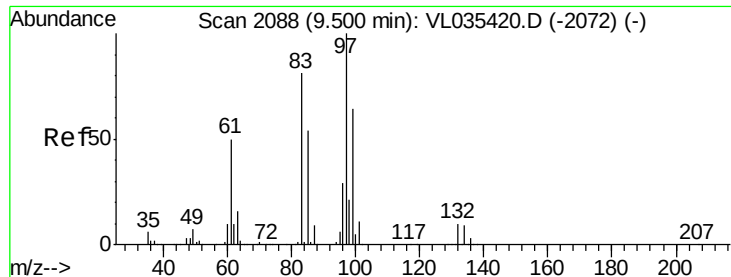
Ion Ratio Lower Upper

75 100

39 39.0 55.8 83.6#

77 31.1 25.6 38.4





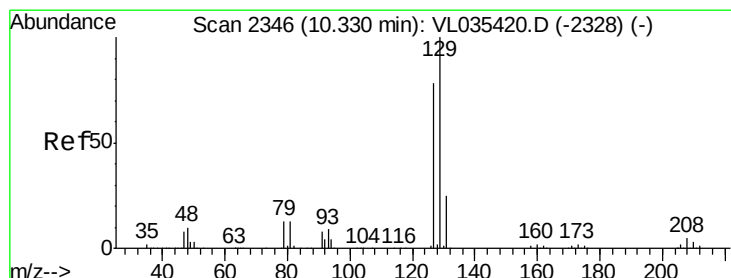
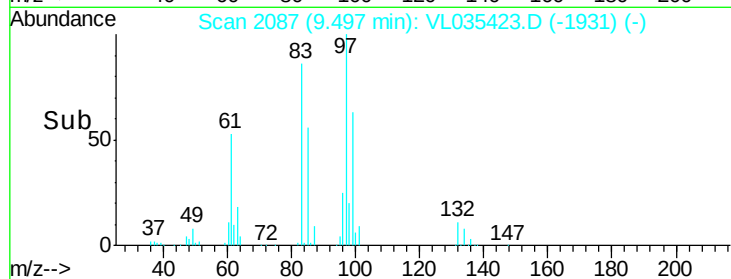
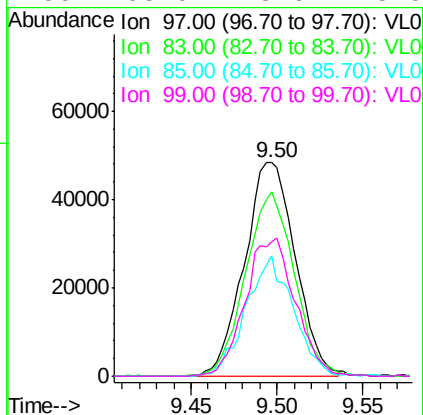
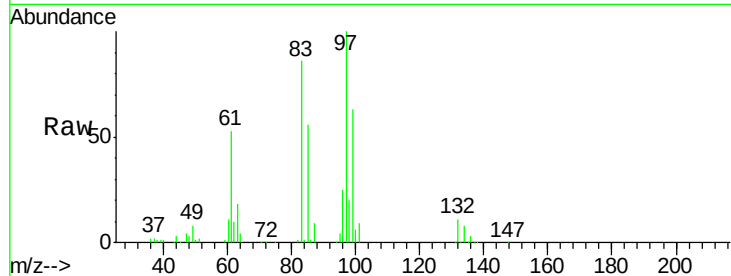
#47
 1,1,2-Trichloroethane
 Concen: 0.476 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	97	Resp	99527
Ion	Ratio	Lower	Upper
97	100		
83	86.1	72.1	108.1
85	56.1	46.8	70.2
99	63.0	48.6	73.0

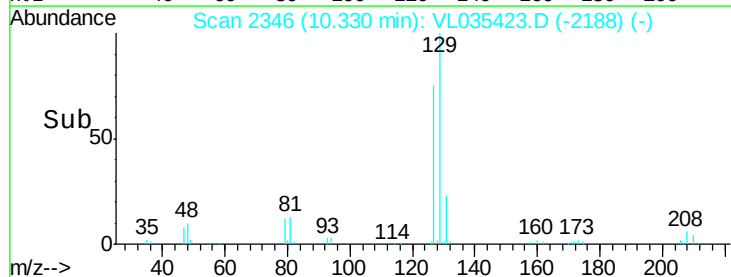
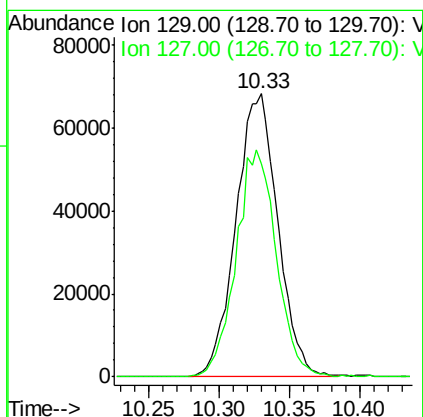
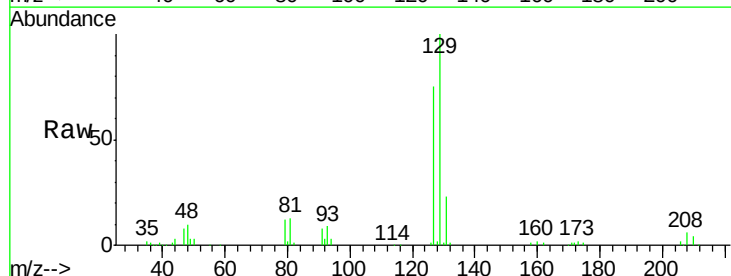
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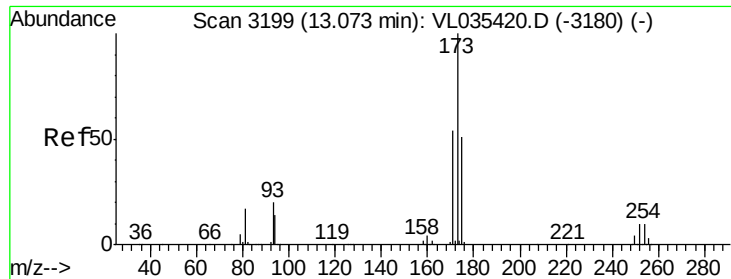
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#48
 Dibromochloromethane
 Concen: 0.466 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Tgt Ion	129	Resp	142012
Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.5	118.5





#49

Bromoform

Concen: 0.532 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

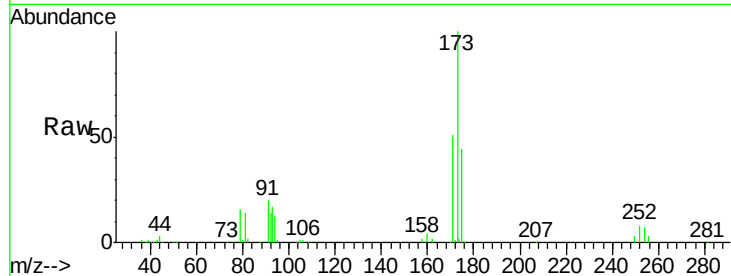
ClientSampleId :

VSTDIC0.5

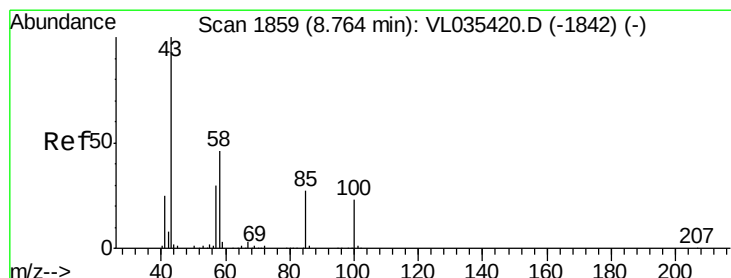
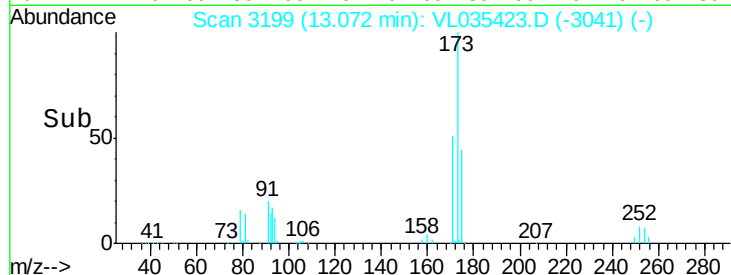
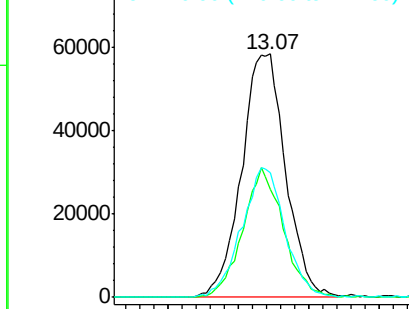
Tot Ion:	173	Resp:	127449
Ion Ratio	Lower	Upper	
173	100		
175	49.1	39.8	59.8
171	52.3	42.4	63.6

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.220 ppbv

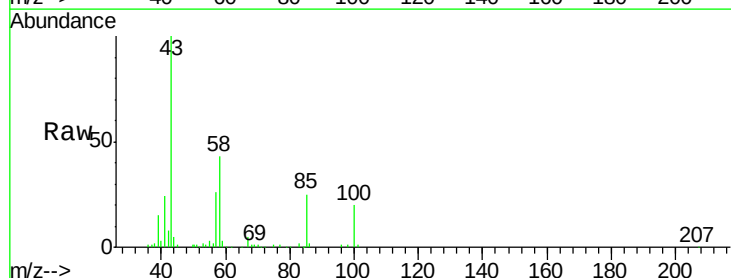
RT: 8.78 min Scan# 1863

Delta R.T. 0.02 min

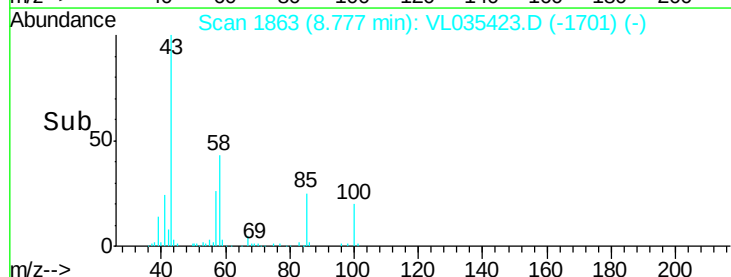
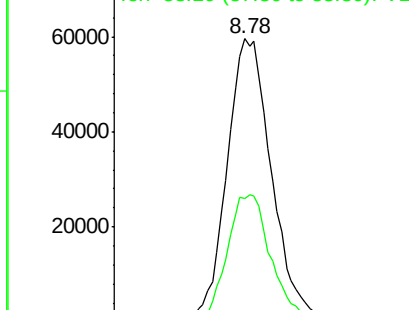
Lab File: VL035423.D

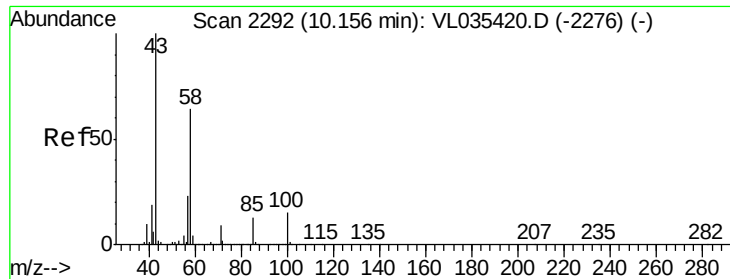
Acq: 17 Aug 2020 16:07

Tgt Ion:	43	Resp:	124771
Ion Ratio	Lower	Upper	
43	100		
58	45.9	28.7	43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.208 ppbv

RT: 10.18 min Scan# 2298

Delta R.T. 0.03 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

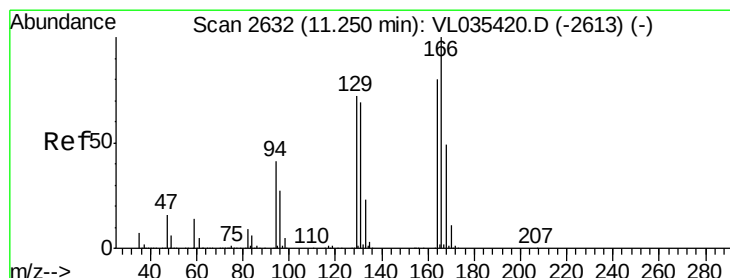
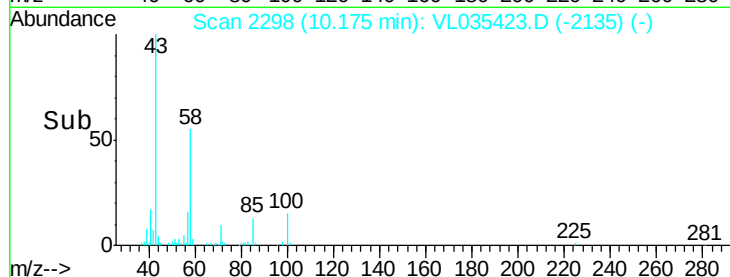
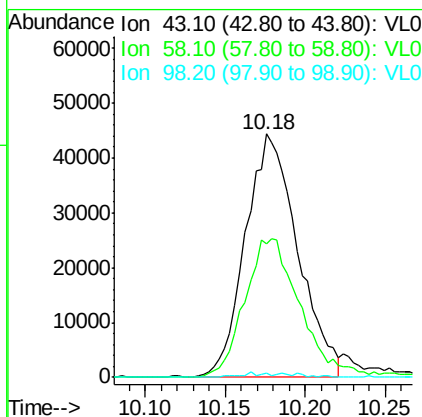
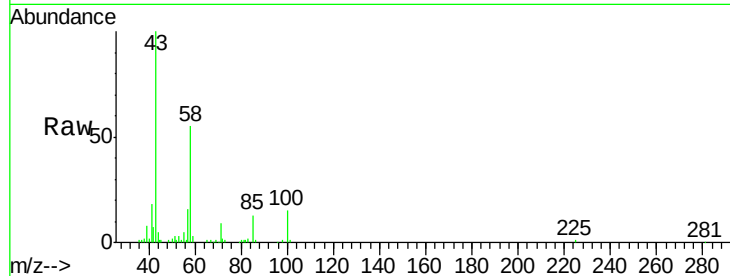
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	100017
Ion Ratio		Lower	Upper
43	100		
58	61.5	38.6	58.0#
98	1.7	0.2	0.2#

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#52

Tetrachloroethene

Concen: 0.677 ppbv

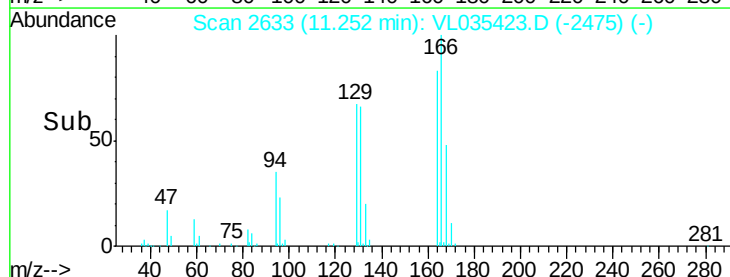
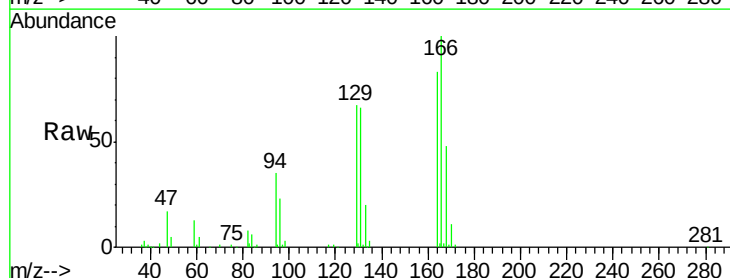
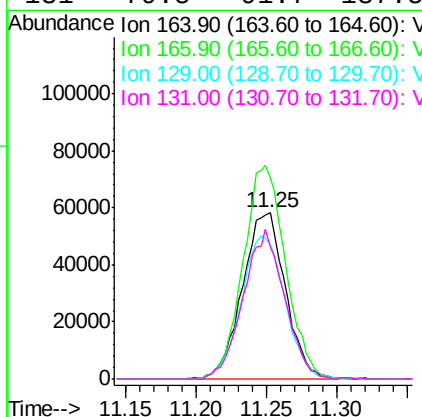
RT: 11.25 min Scan# 2633

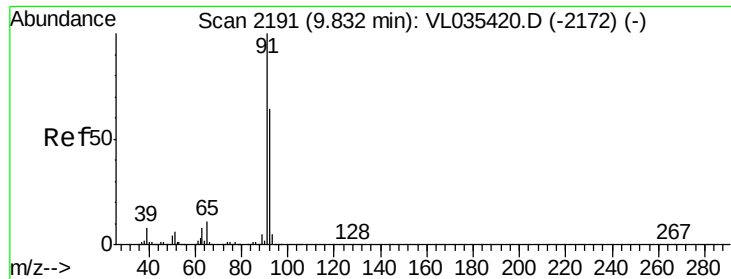
Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Tgt Ion:	164	Resp:	124373
Ion Ratio		Lower	Upper
164	100		
166	119.9	103.4	155.0
129	80.5	90.2	135.4#
131	79.5	91.7	137.5#





#53

Toluene

Concen: 0.434 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 254985

Ion Ratio Lower Upper

91 100

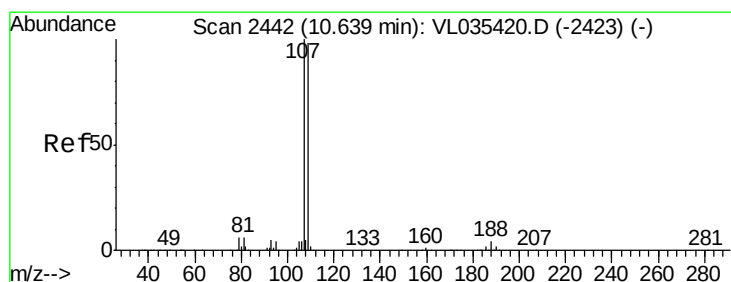
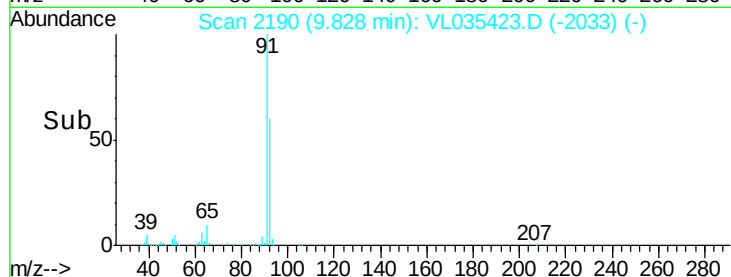
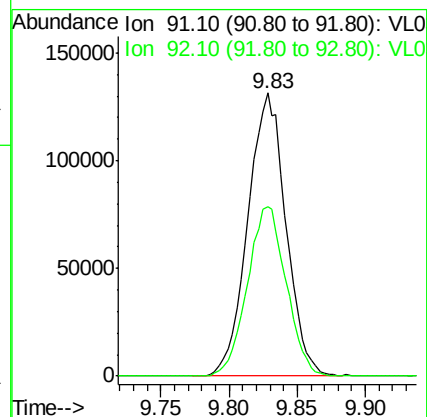
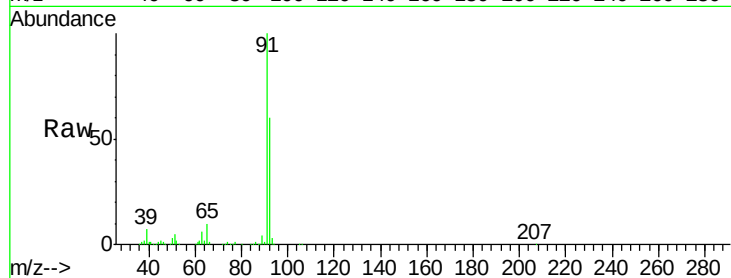
92 61.2 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 0.495 ppbv m

RT: 10.63 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL035423.D

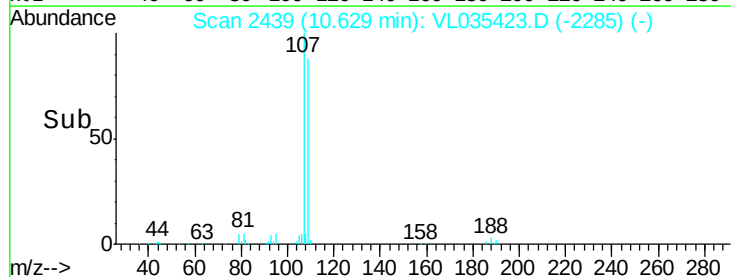
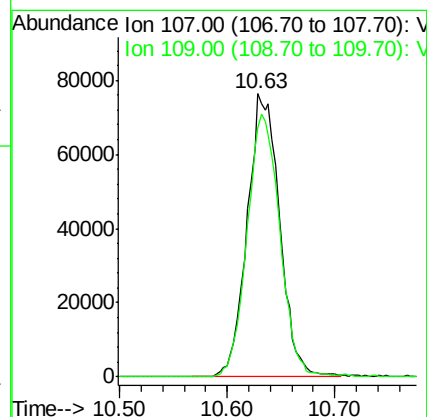
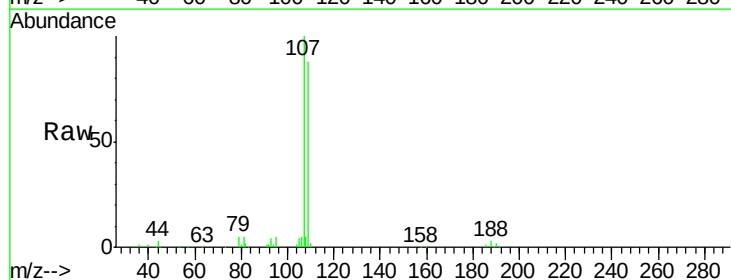
Acq: 17 Aug 2020 16:07

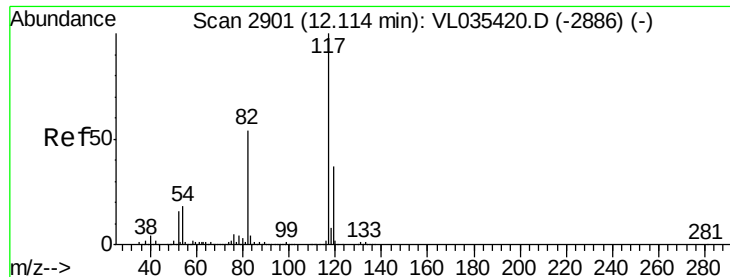
Tgt Ion: 107 Resp: 159826

Ion Ratio Lower Upper

107 100

109 87.8 75.1 112.7





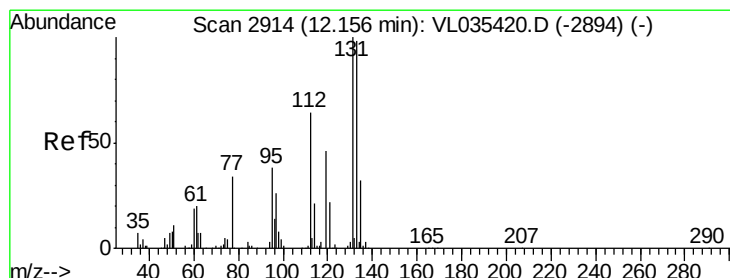
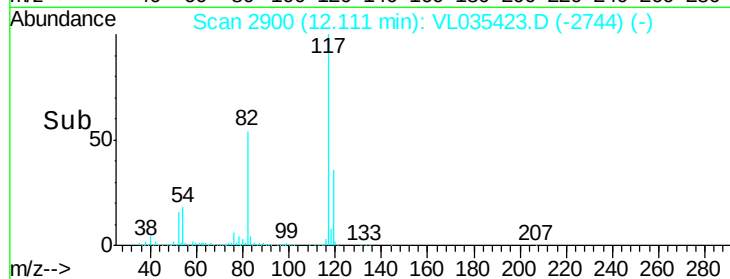
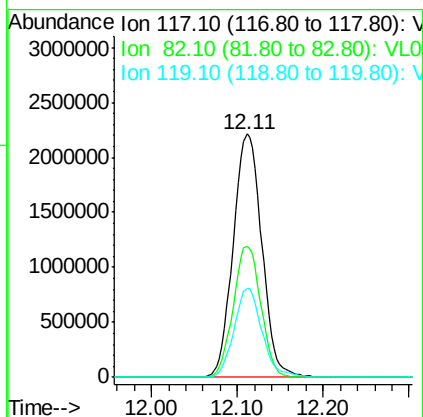
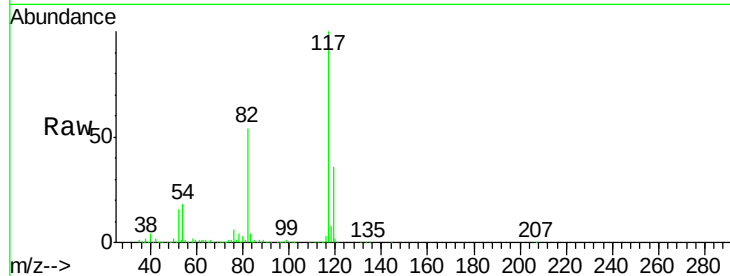
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	57.4	86.0#
119	35.9	28.4	42.6

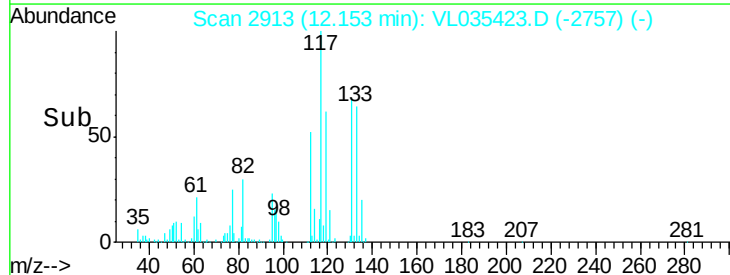
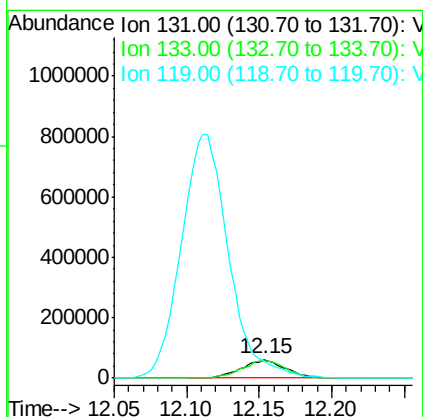
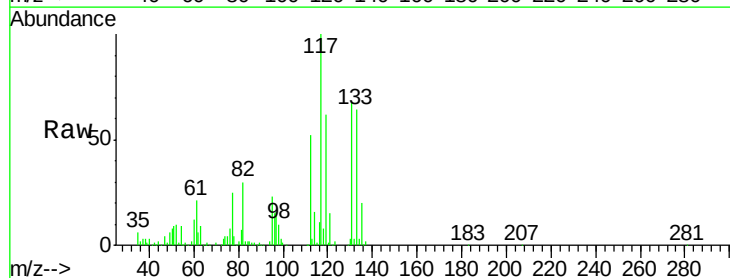
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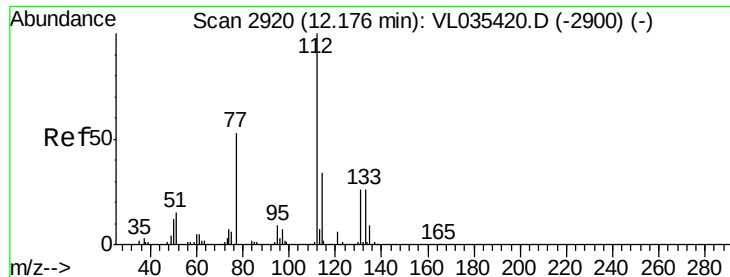
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.497 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.0	76.1	114.1
119	1470.9	50.7	76.1#





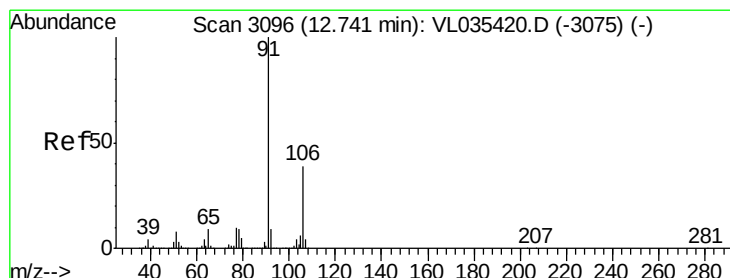
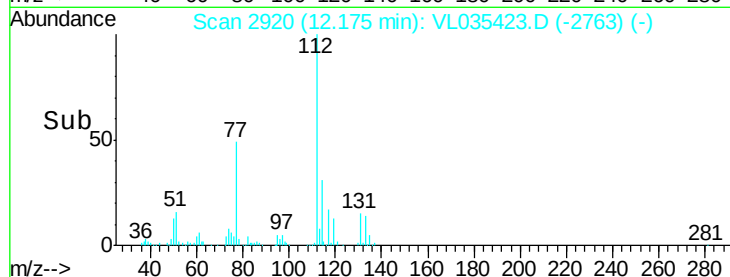
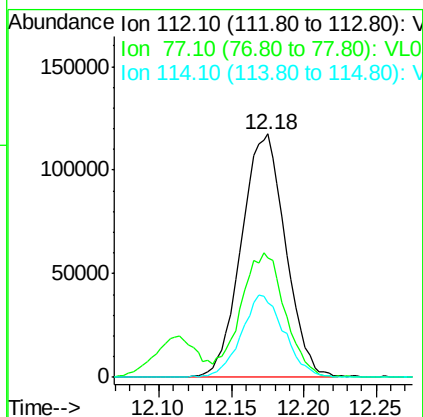
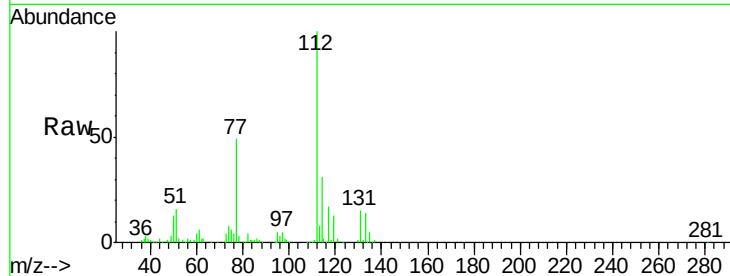
#57
Chlorobenzene
Concen: 0.539 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	48.5	60.6	91.0#
114	30.6	28.5	34.9

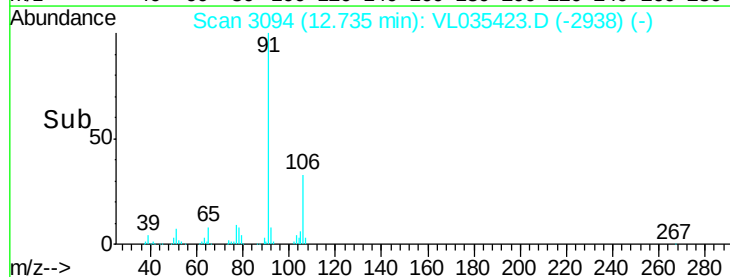
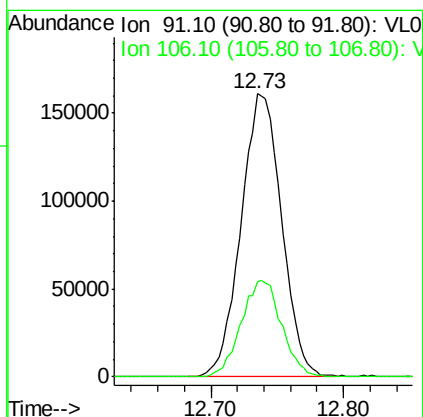
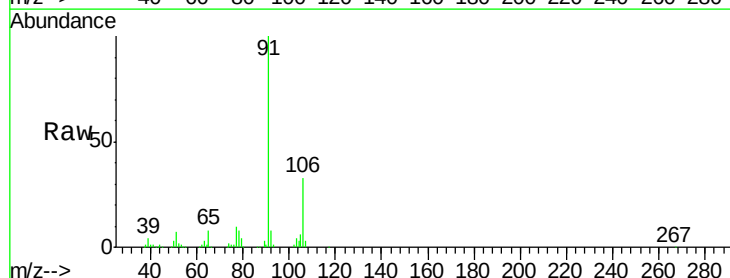
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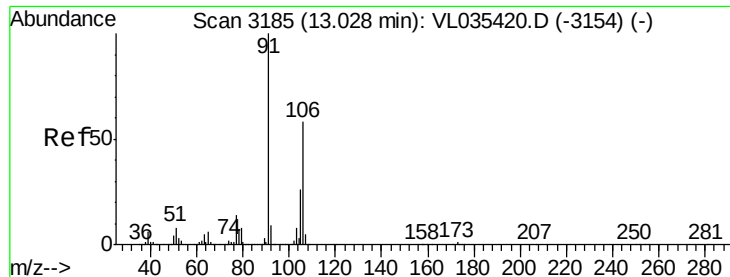
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#58
Ethyl Benzene
Concen: 0.404 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. 0.00 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.4	24.1	36.1





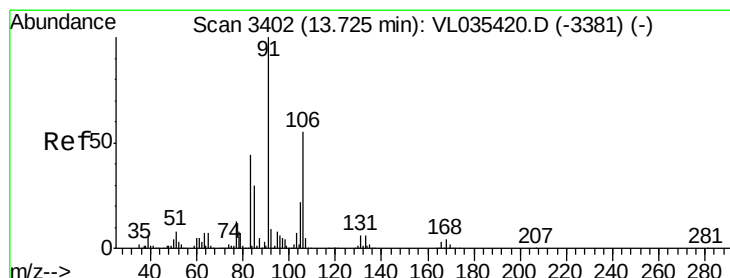
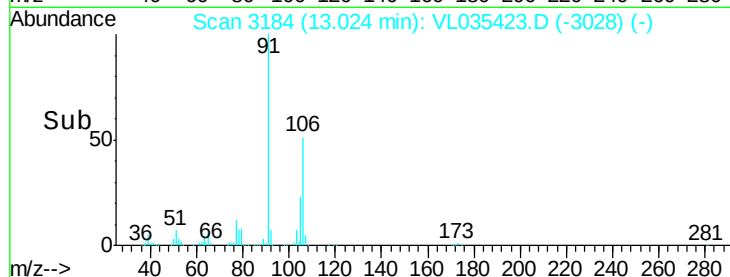
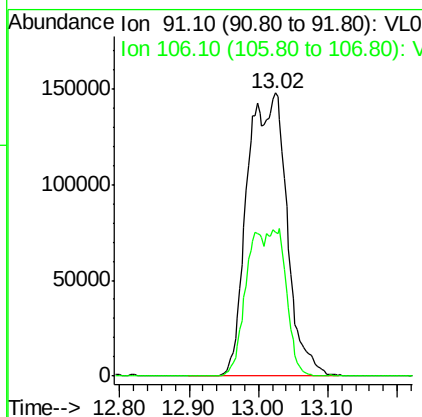
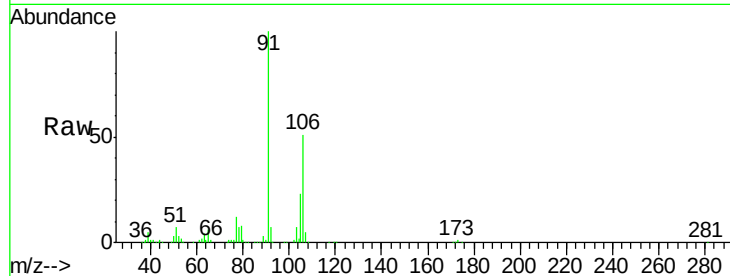
#59
m/p-Xylene
Concen: 0.826 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 584309
Ion Ratio Lower Upper
91 100
106 51.0 34.0 51.0

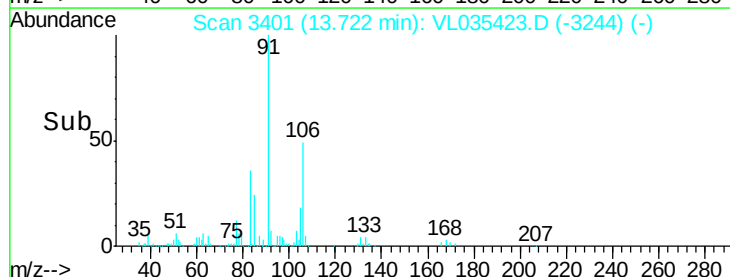
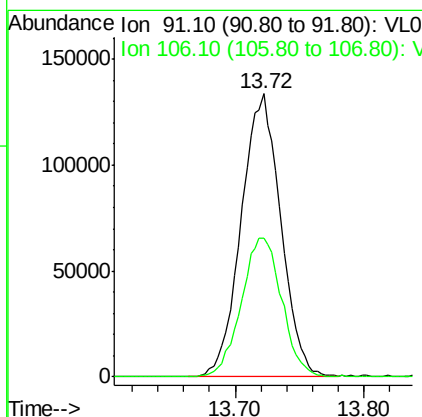
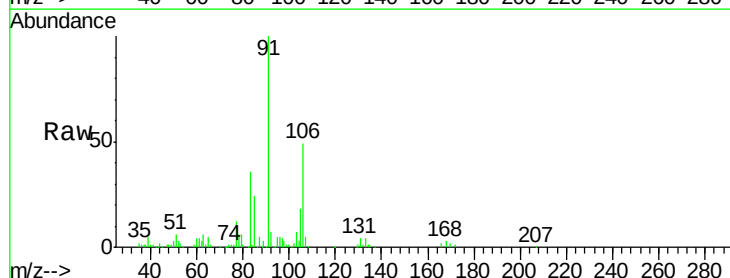
Manual Integrations
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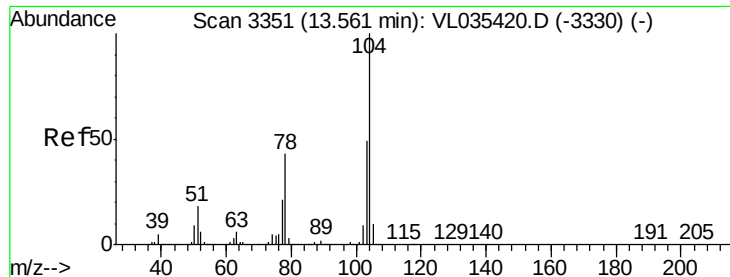
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#60
o-Xylene
Concen: 0.407 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion: 91 Resp: 283562
Ion Ratio Lower Upper
91 100
106 50.6 21.8 65.3





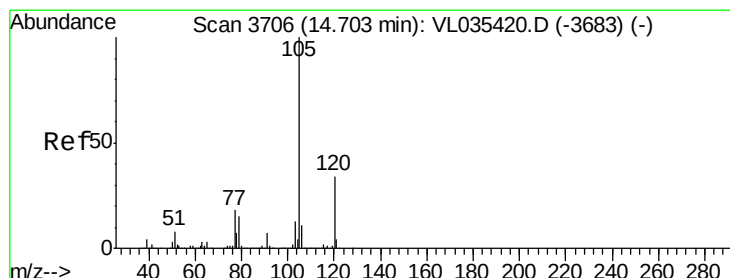
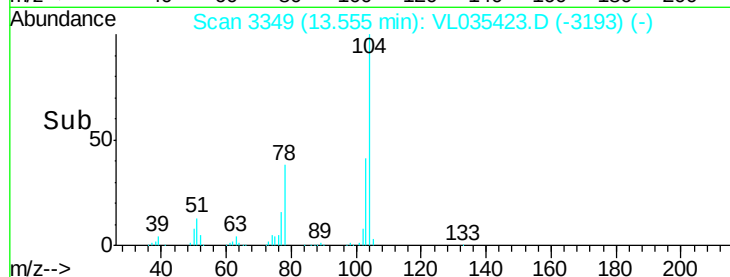
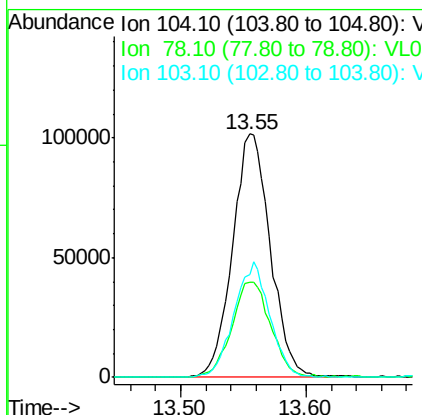
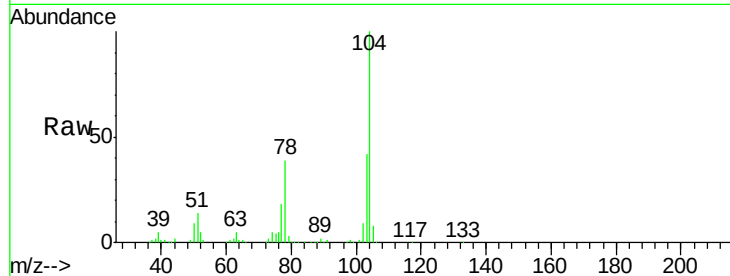
#61
Stvrene
Concen: 0.447 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	40.7	45.4	68.2#
103	44.9	37.8	56.8

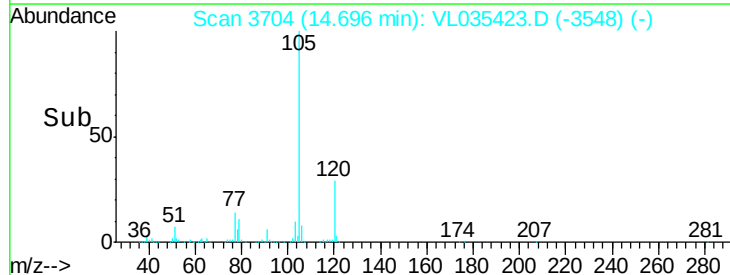
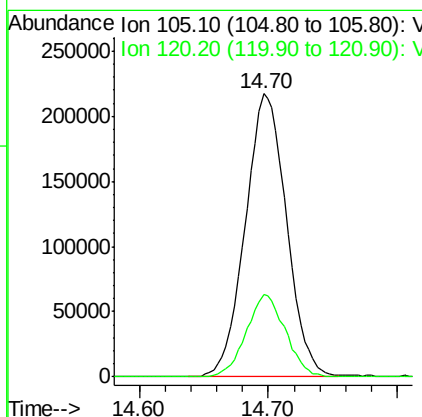
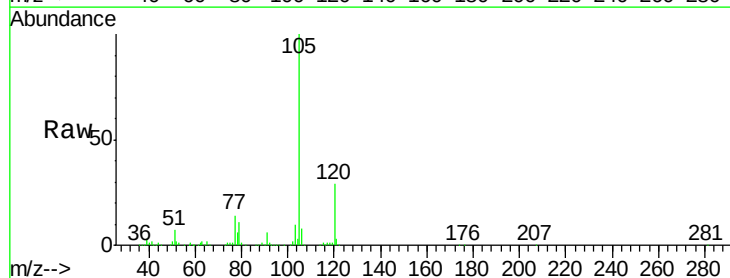
Manual Integrations
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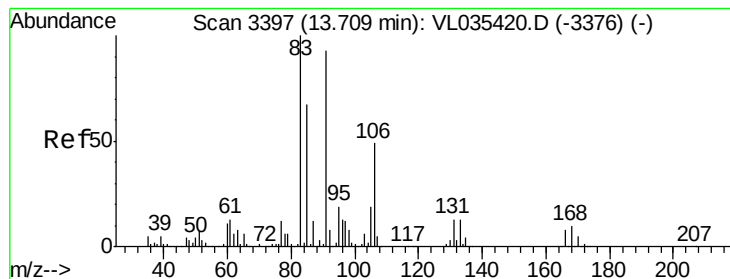
MMDadoda
8/20/2020 11:05:41 AM



#62
Isopropylbenzene
Concen: 0.471 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.392 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

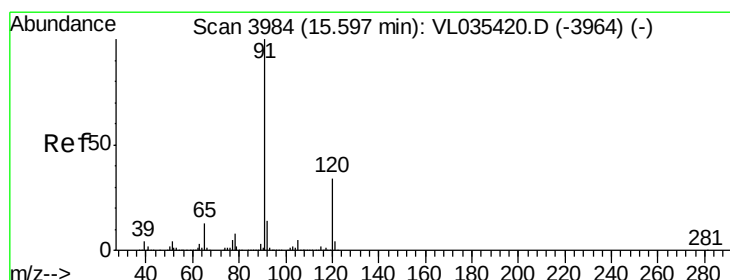
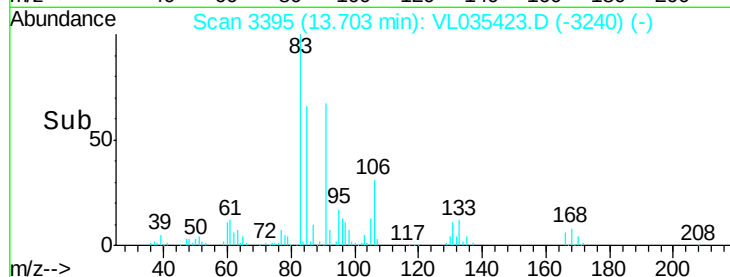
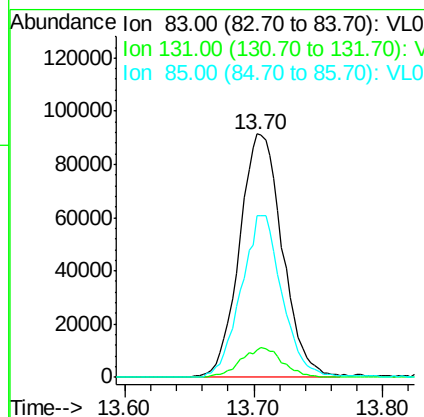
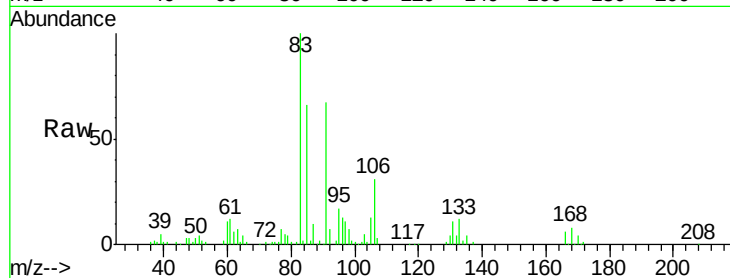
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	211706
Ion Ratio	Lower	Upper	
83	100		
131	11.8	4.5	13.4
85	63.9	32.7	98.1

Manual Integrations
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MMDadoda
8/20/2020 11:05:41 AM



#64

n-propylbenzene

Concen: 0.534 ppbv

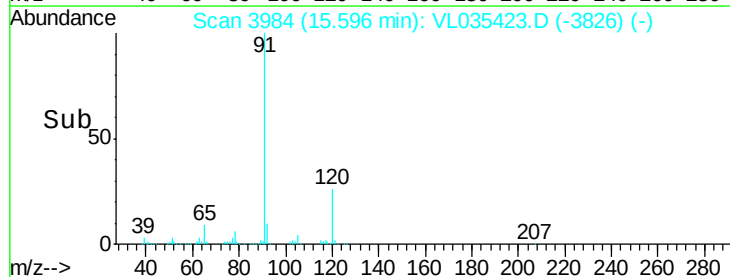
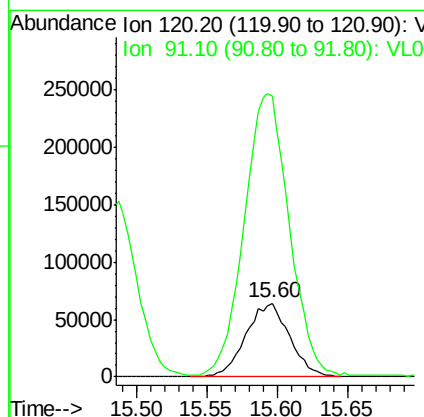
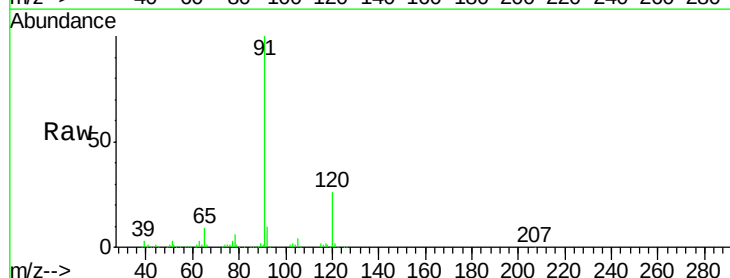
RT: 15.60 min Scan# 3984

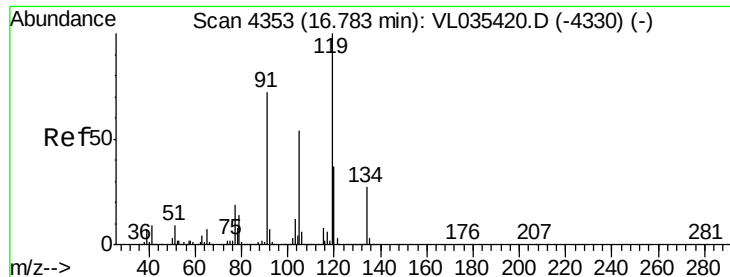
Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Tgt Ion:	120	Resp:	139085
Ion Ratio	Lower	Upper	
120	100		
91	401.0	385.5	578.3





#65

tert-Butylbenzene

Concen: 0.519 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

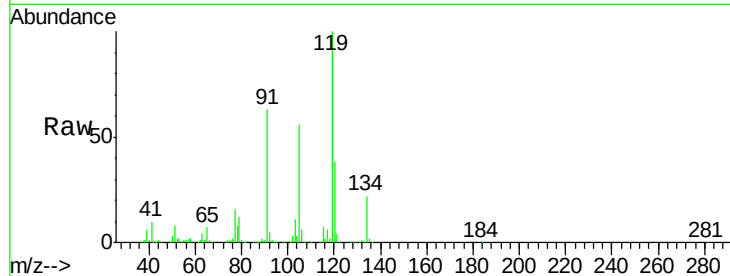
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	457349
Ion Ratio	Lower	Upper	
119	100		
91	66.9	72.0	108.0#
134	21.4	15.7	23.5

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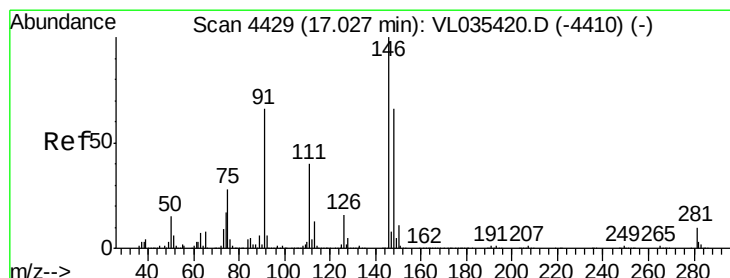
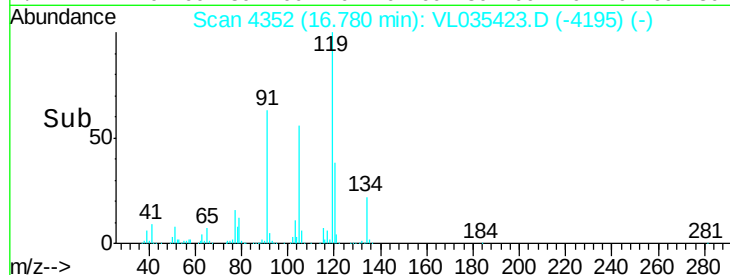
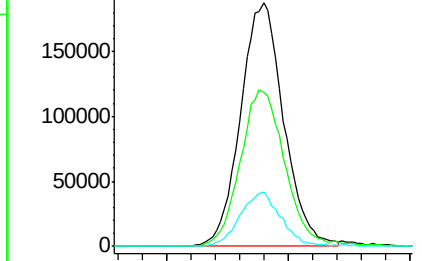
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.239 ppbv m

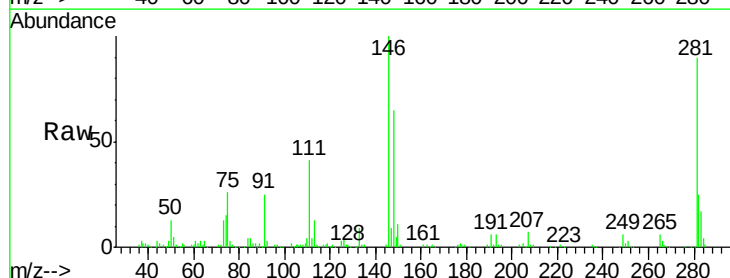
RT: 17.02 min Scan# 4427

Delta R.T. 0.00 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

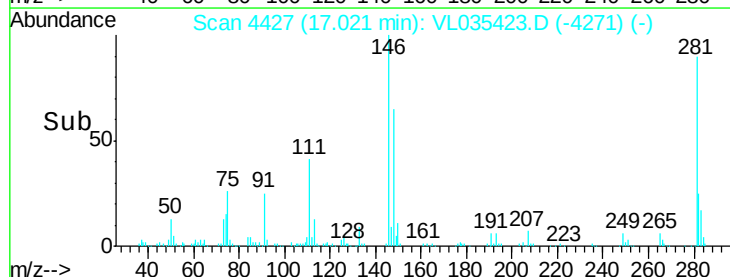
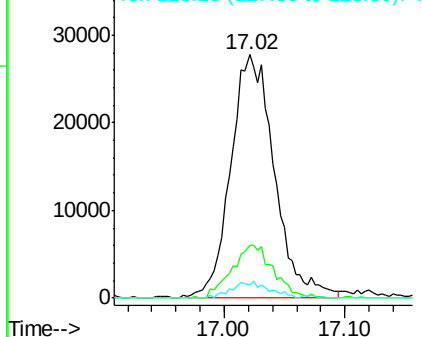
Tgt Ion:	91	Resp:	68793
Ion Ratio	Lower	Upper	
91	100		
126	20.7	13.3	19.9#
128	5.8	4.1	6.1

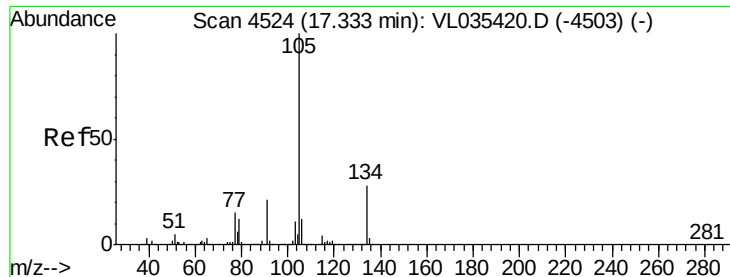


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.476 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 619568

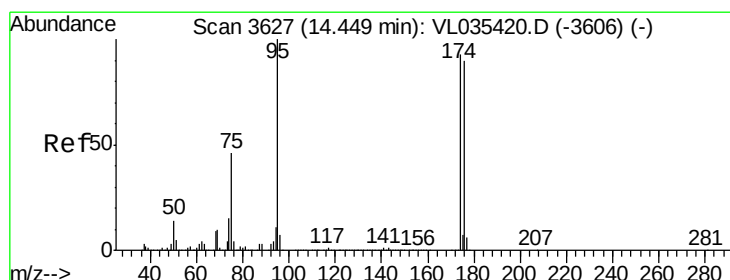
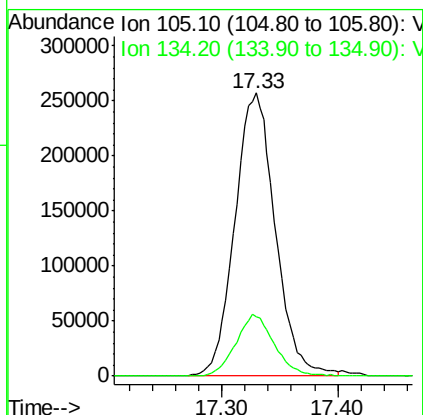
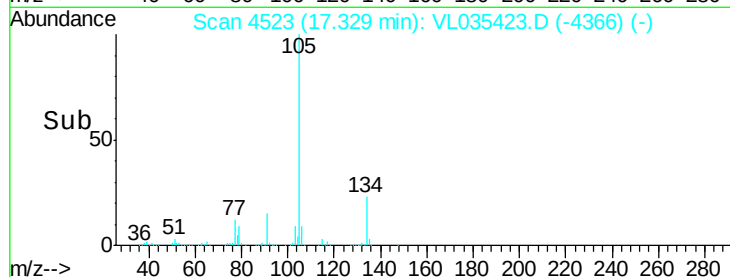
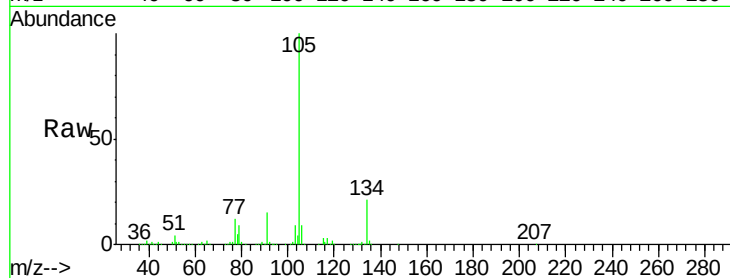
Ion Ratio Lower Upper

105 100

134 21.1 14.1 21.1

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 8.424 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

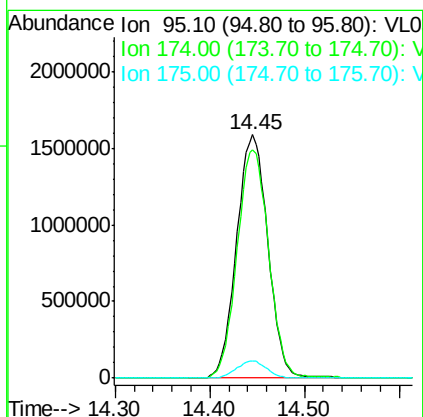
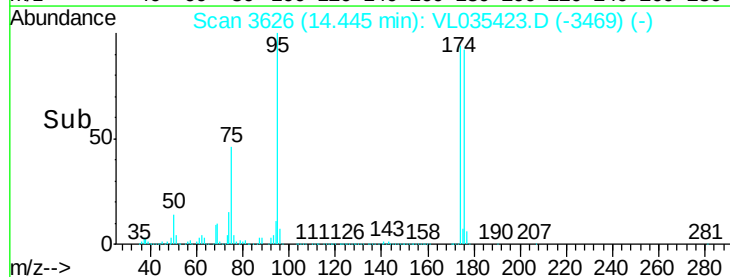
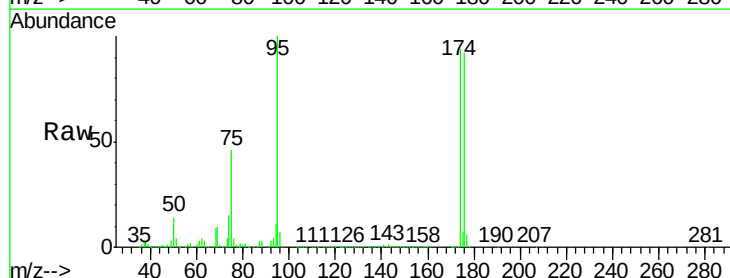
Tgt Ion: 95 Resp: 3655564

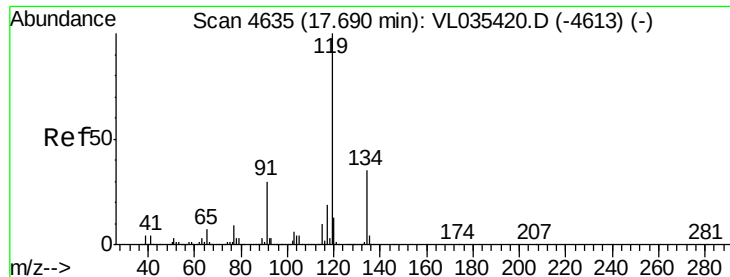
Ion Ratio Lower Upper

95 100

174 95.2 44.0 66.0#

175 7.0 3.2 4.8#





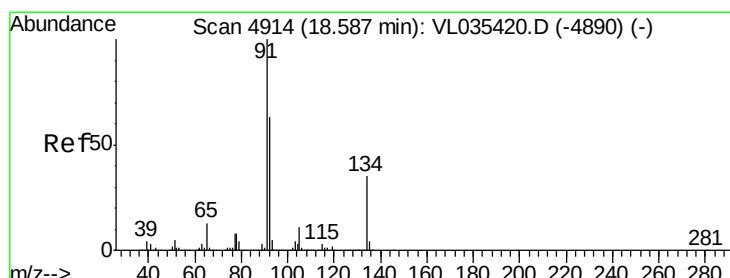
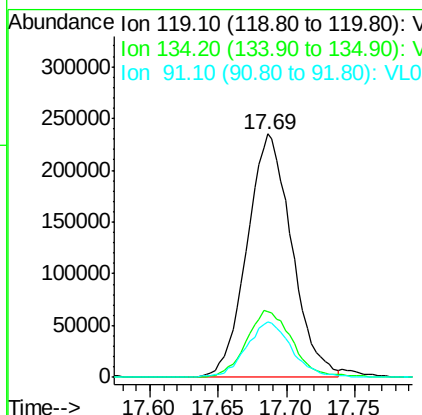
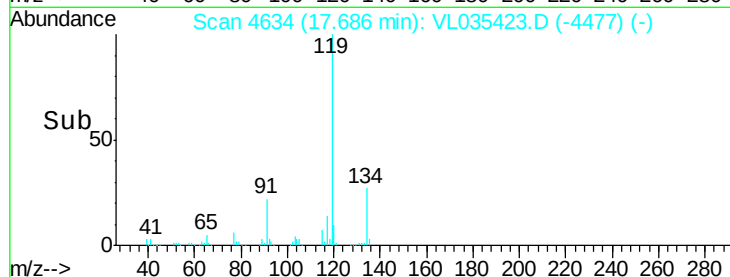
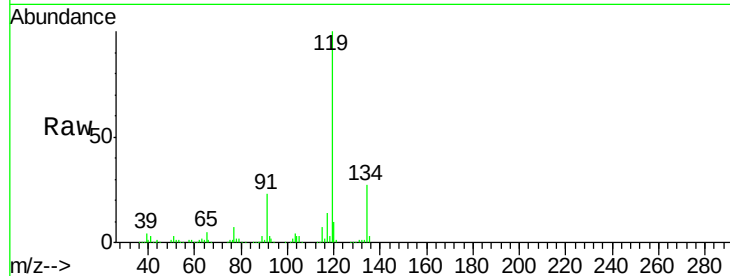
#69
 p-Isopropyltoluene
 Concen: 0.502 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	531863		
134	28.5		20.6	30.8
91	23.6		26.6	39.8#

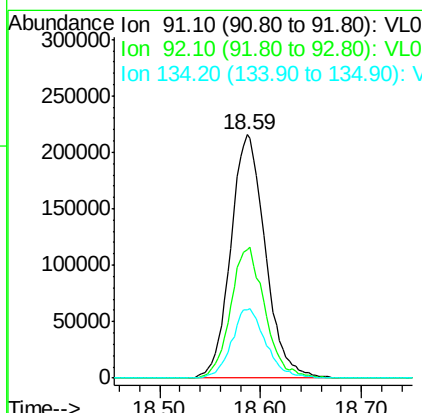
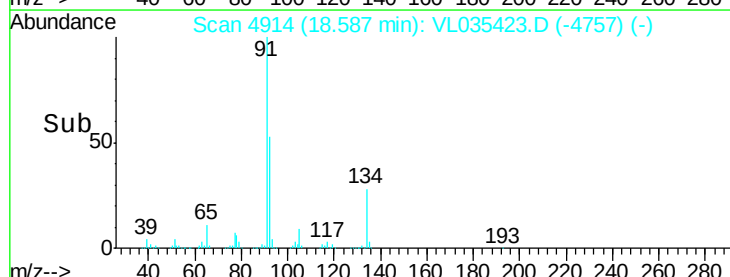
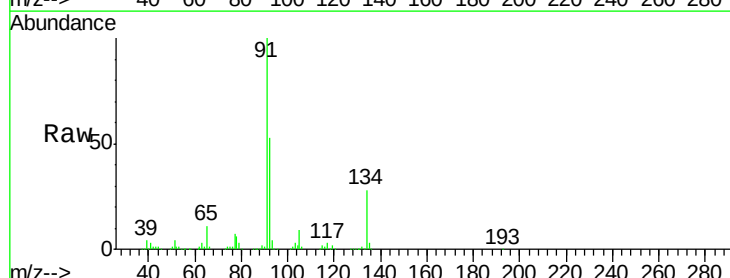
Manual Integrations
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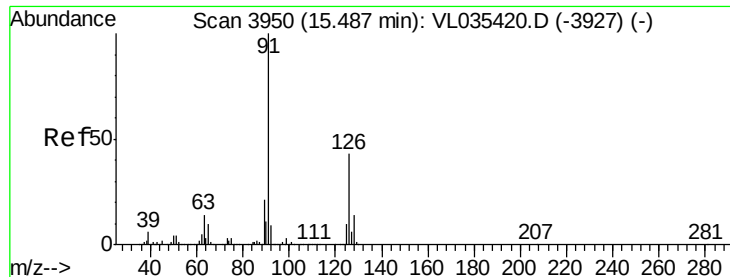
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#70
 n-Butylbenzene
 Concen: 0.414 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	512501		
92	53.3		44.8	67.2
134	28.3		17.3	25.9#





#71

2-Chlorotoluene

Concen: 0.403 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.01 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 338523

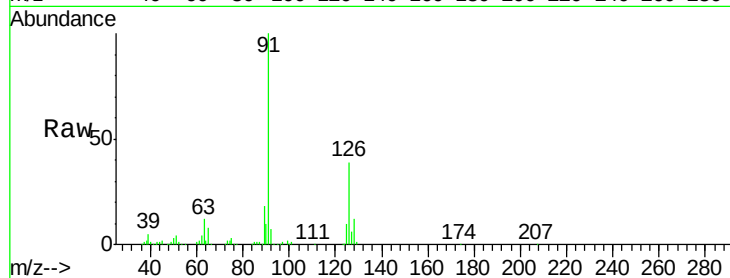
Ion Ratio Lower Upper

91 100

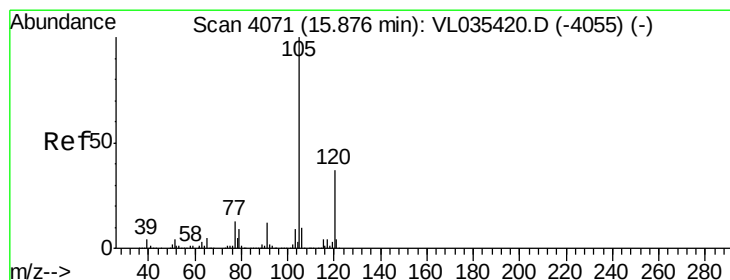
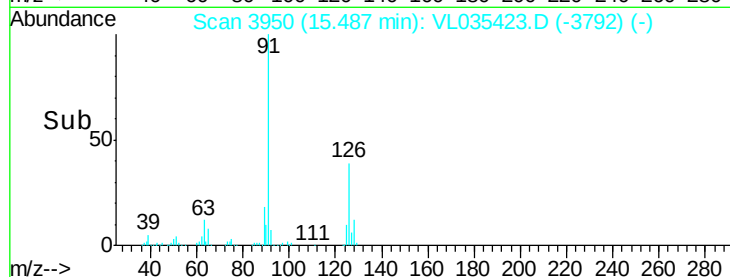
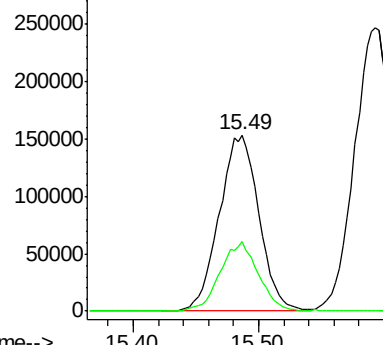
126 37.8 11.4 45.6

Manual Integrations
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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: 0.446 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Tgt Ion: 105 Resp: 363758

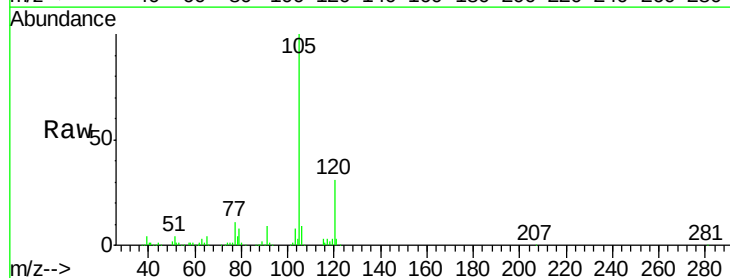
Ion Ratio Lower Upper

105 100

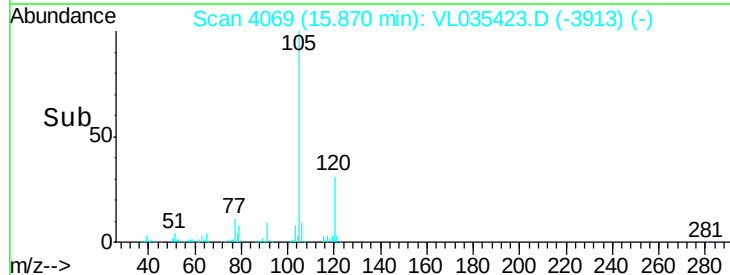
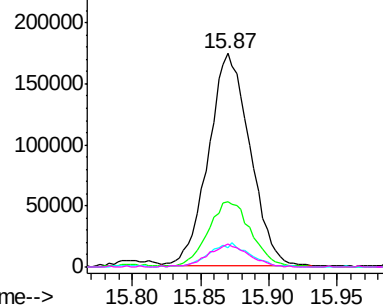
120 32.7 22.7 34.1

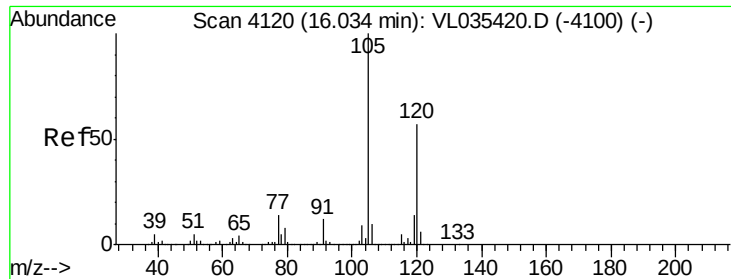
91 11.0 10.8 16.2

77 10.7 11.9 17.9#



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: 0.434 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 334414

Ion Ratio Lower Upper

105 100

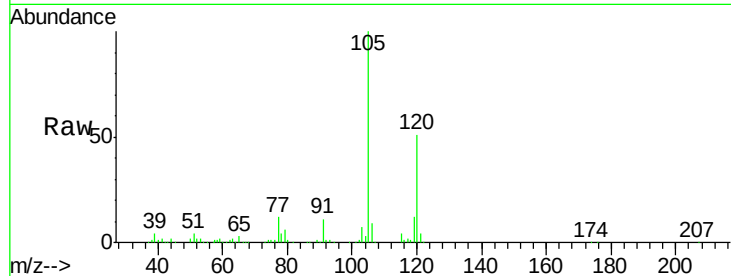
120 51.0 35.6 53.4

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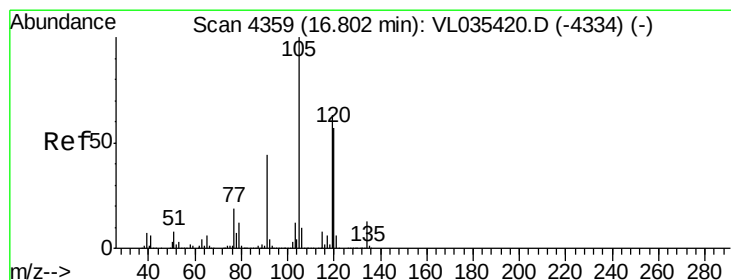
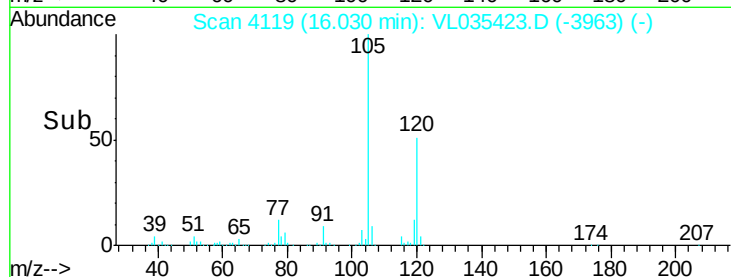
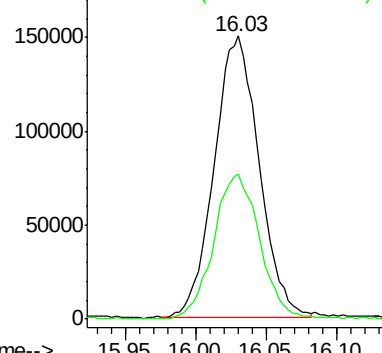
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.466 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL035423.D

Acq: 17 Aug 2020 16:07

Tgt Ion:105 Resp: 384748

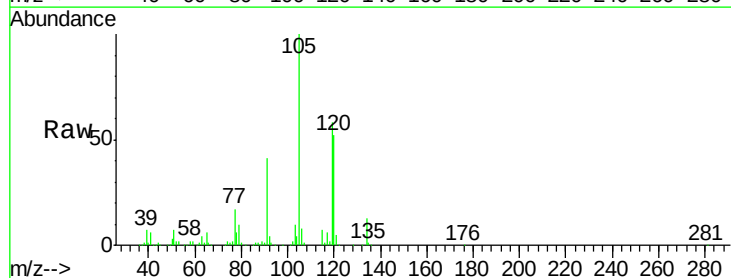
Ion Ratio Lower Upper

105 100

120 51.3 37.8 56.8

91 39.5 40.0 60.0#

77 16.4 18.8 28.2#

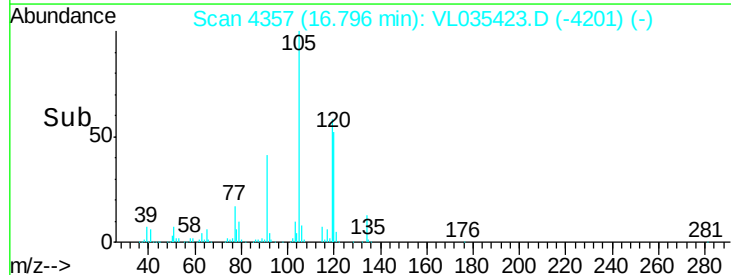
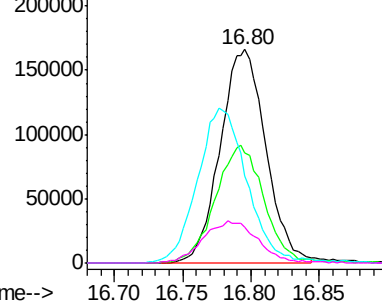


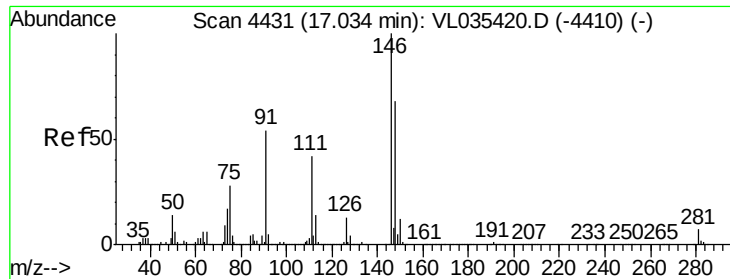
Abundance Ion 105.10 (104.80 to 105.80): V

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





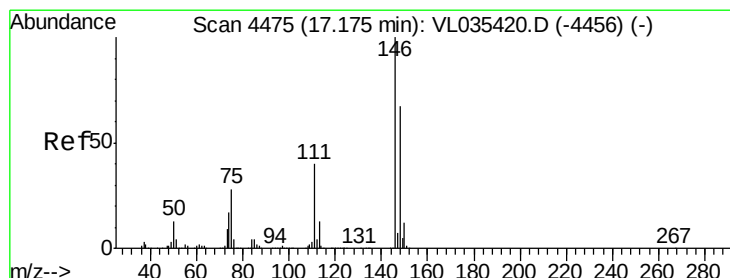
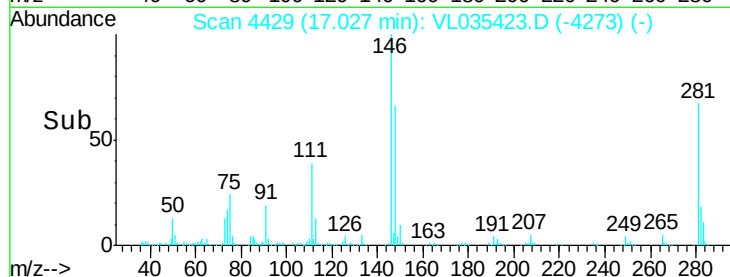
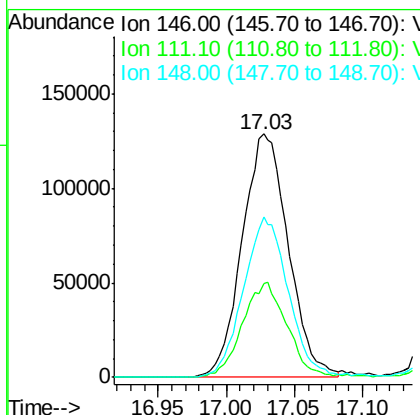
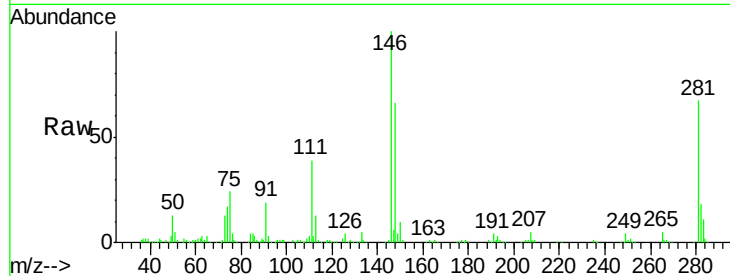
#75
 1,3-Dichlorobenzene
 Concen: 0.674 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	25.6	76.8
148	64.5	32.3	96.9

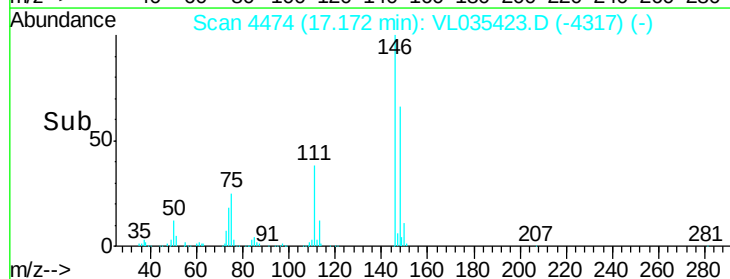
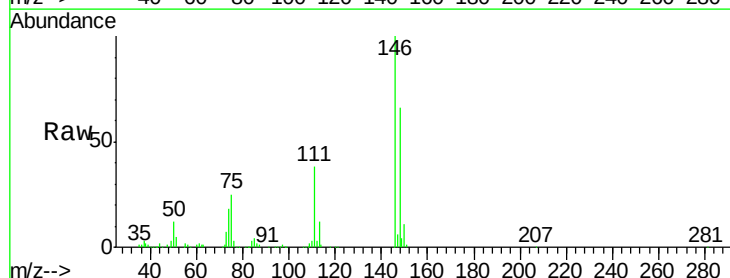
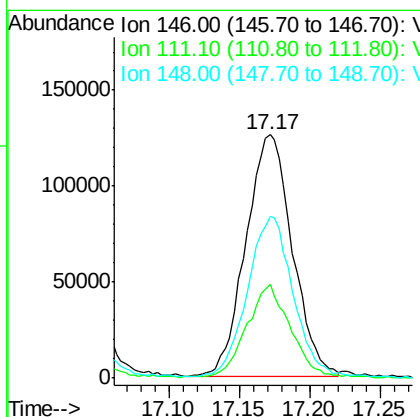
Manual Integrations
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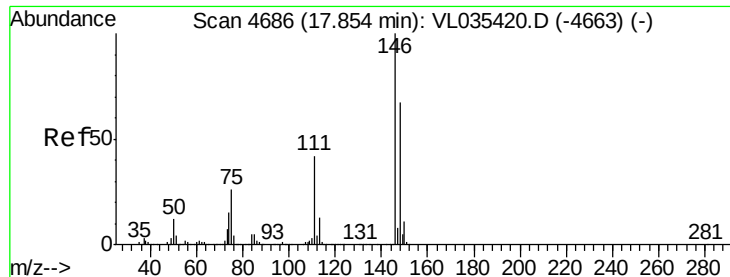
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#76
 1,4-Dichlorobenzene
 Concen: 0.629 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	24.8	74.4
148	67.5	32.1	96.3





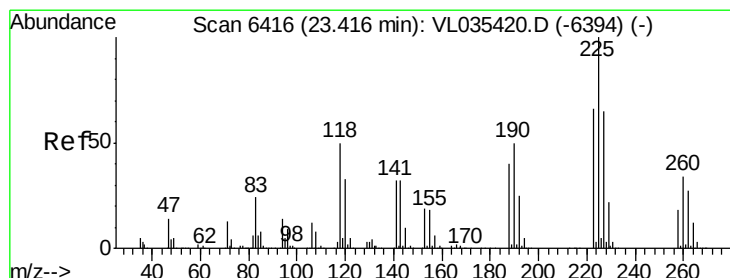
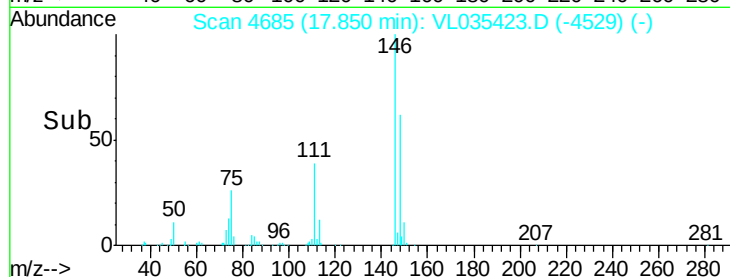
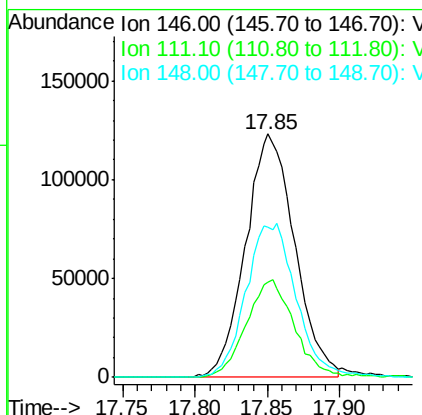
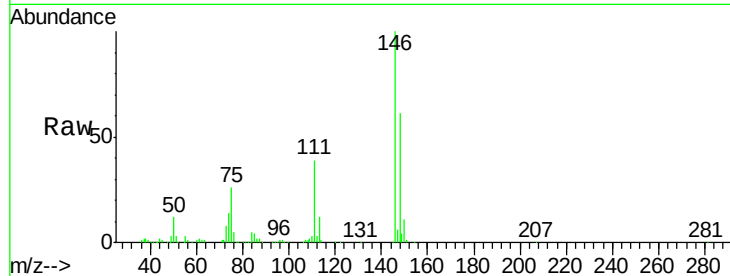
#77
 1,2-Dichlorobenzene
 Concen: 0.640 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	26.3	78.9
148	65.1	32.0	96.0

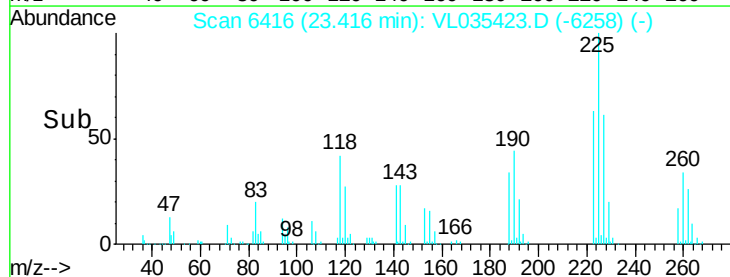
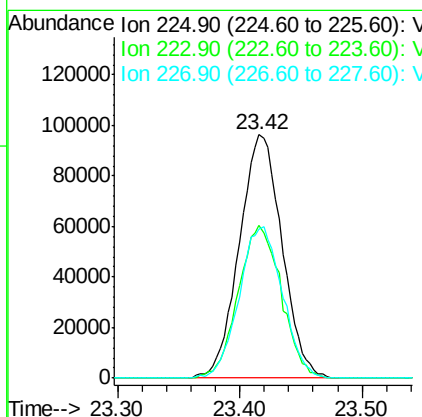
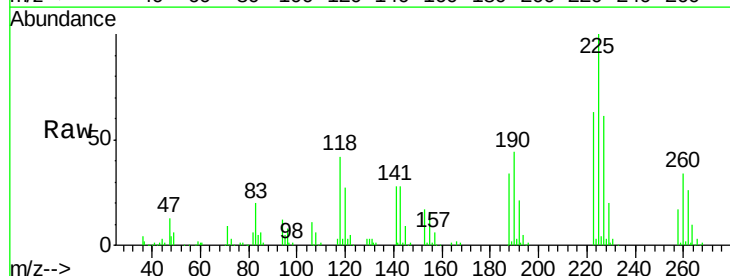
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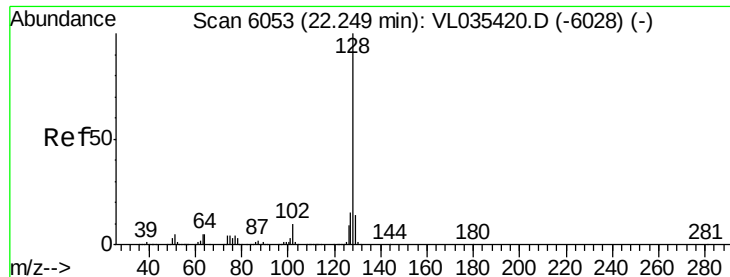
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.669 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	63.3	51.0	76.6





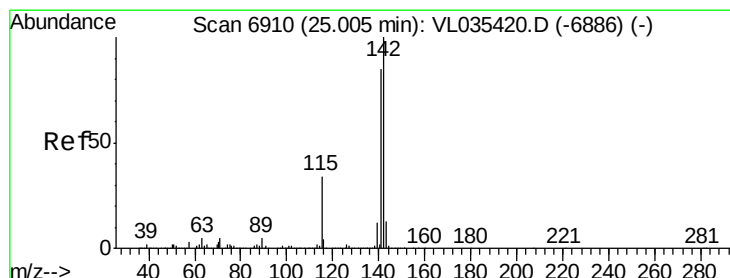
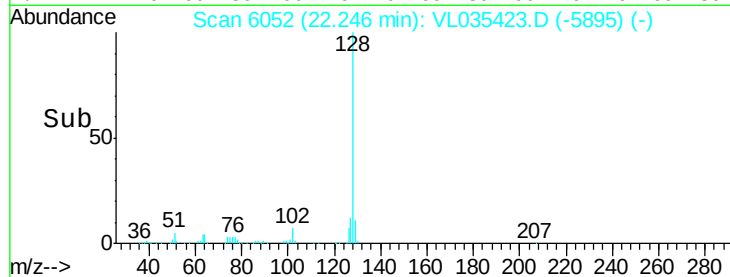
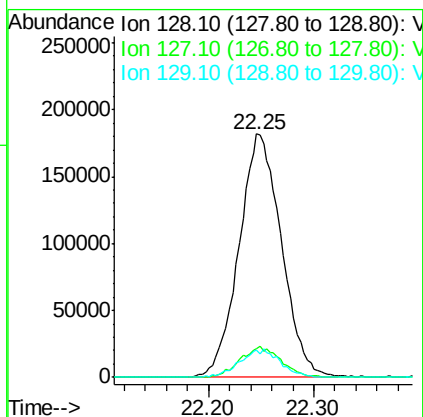
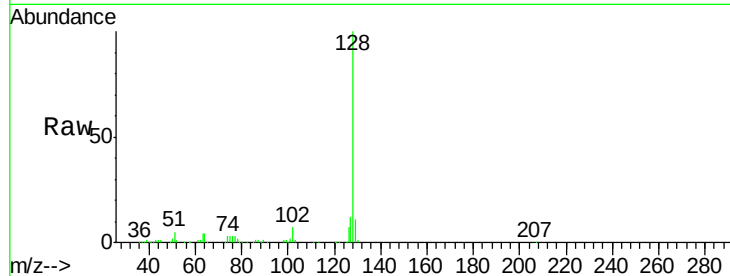
#79
Naphthalene
Concen: 0.524 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	11.4	17.0
129	11.1	9.5	14.3

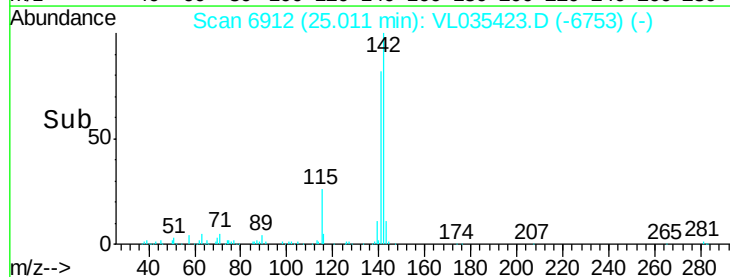
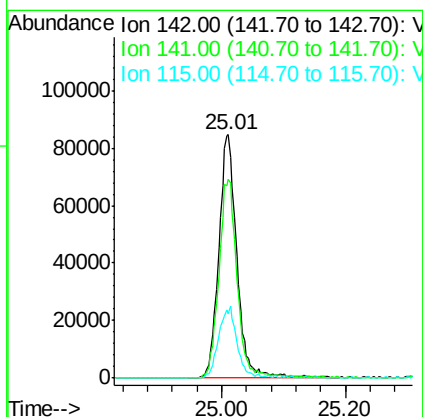
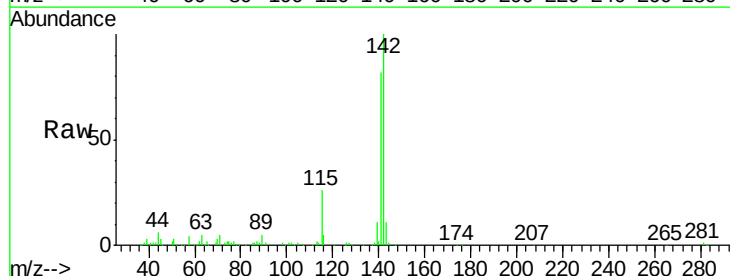
Manual Integrations
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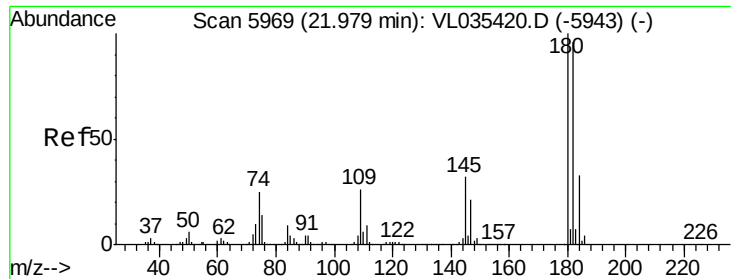
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#80
Naphthalene, 2-methyl-
Concen: 0.429 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.01 min
Lab File: VL035423.D
Acq: 17 Aug 2020 16:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.7	67.1	100.7
115	29.7	36.1	54.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.676 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. 0.01 min
 Lab File: VL035423.D
 Acq: 17 Aug 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	180	Resp:	308797
Ion Ratio	Lower	Upper	
180	100		
182	99.8	76.6	115.0
184	32.1	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:41 AM

