

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\
 Data File : VX017610.D
 Acq On : 27 Jul 2020 10:31
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 10:31:33 AM

Quant Time: Jul 27 11:41:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:26:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	100987	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	495890	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	502118	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	224763	30.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.73%
60) 4-Bromofluorobenzene	11.12	95	266075	30.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.17%
63) Toluene-d8	8.70	98	639983	29.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	839648	161.489	ug/l 98
3) Chloromethane	1.31	50	801201	149.063	ug/l 98
4) Vinyl Chloride	1.39	62	805483	145.540	ug/l 98
5) Bromomethane	1.62	94	433737	120.477	ug/l 95
6) Chloroethane	1.70	64	443343	127.332	ug/l 100
7) Trichlorofluoromethane	1.91	101	1210160	129.828	ug/l 99
8) Diethyl Ether	2.17	74	335352	107.296	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	526808	108.655	ug/l 99
10) 1,1-Dichloroethene	2.36	96	483765	101.957	ug/l 96
11) Methyl Iodide	2.49	142	711884	124.585	ug/l 97
12) Methyl Acetate	2.75	43	735506	109.315	ug/l 100
13) Acrolein	2.27	56	567464	648.861	ug/l 99
14) Acrylonitrile	3.12	53	1577467	529.218	ug/l 99
15) Acetone	2.42	58	417445	541.810	ug/l 97
16) Carbon Disulfide	2.55	76	1324148	103.876	ug/l 100
17) Allyl chloride	2.70	41	919235	103.479	ug/l 97
18) Methylene Chloride	2.84	84	544056	93.637	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	520136	95.996	ug/l 98
20) Diisopropyl ether	3.82	45	1854410	104.992	ug/l # 88
21) 1,1-Dichloroethane	3.67	63	984657	100.523	ug/l 97
22) cis-1,2-Dichloroethene	4.56	96	632214	101.111	ug/l 99
23) tert-Butyl Alcohol	3.02	59	728103	571.251	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	1978106	108.136	ug/l 99
25) Chloroform	5.18	83	1078271	101.702	ug/l 97
26) Cyclohexane	5.55	56	929489	118.605	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	739842	105.072	ug/l 97
30) 2-Butanone	4.64	43	2162364	559.000	ug/l 99
31) 2,2-Dichloropropane	4.55	77	991119	111.049	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	1037348	112.519	ug/l 98
33) Carbon Tetrachloride	5.76	117	933352	109.067	ug/l 99
34) Benzene	6.11	78	2163273	105.304	ug/l 99
35) Methacrylonitrile	5.01	41	478988	109.916	ug/l 96
36) 1,2-Dichloroethane	6.17	62	886588	107.638	ug/l 99
37) Trichloroethene	7.19	130	627120	98.981	ug/l 99
38) Methylcyclohexane	7.44	83	1028012	135.999	ug/l 99
39) 1,2-Dichloropropane	7.49	63	575224	105.087	ug/l 100
40) Dibromomethane	7.64	93	391153	99.083	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	966800	116.309	ug/l	92
42) Vinyl Acetate	3.79	43	6943097	484.868	ug/l	100
43) Ethyl Acetate	4.79	43	776720	104.326	ug/l	99
44) Isopropyl Acetate	6.41	43	1449652	115.873	ug/l	100
45) 1,4-Dioxane	7.71	88	279627	2278.380	ug/l	99
46) Methyl methacrylate	7.74	41	681892	112.099	ug/l	98
47) n-amyl Acetate	10.88	43	1294957	117.150	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	1053769	114.093	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	1120067	115.777	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	600626	103.586	ug/l	98
51) Ethyl methacrylate	9.16	69	911587	106.430	ug/l	98
52) 1,3-Dichloropropane	9.35	76	973942	103.838	ug/l	99
53) Dibromochloromethane	9.57	129	795174	113.160	ug/l	98
54) 1,2-Dibromoethane	9.65	107	628512	101.785	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	2676673	665.006	ug/l	100
56) Bromoform	10.84	173	585308	105.596	ug/l	97
58) 4-Methyl-2-Pentanone	8.62	43	4475804	524.122	ug/l	99
59) 2-Hexanone	9.48	43	3101821	497.029	ug/l	99
61) Tetrachloroethene	9.32	164	636182	95.364	ug/l	96
62) Toluene	8.76	91	2461841	98.151	ug/l	98
64) Chlorobenzene	10.12	112	1664972	102.482	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	694943	103.258	ug/l	98
66) Ethyl Benzene	10.23	91	2771648	100.496	ug/l	97
67) m/p-Xylenes	10.34	106	2128536	201.150	ug/l	100
68) o-Xylene	10.68	106	1064528	104.554	ug/l	96
69) Styrene	10.70	104	1903080	105.765	ug/l	100
70) Isopropylbenzene	11.00	105	3289415	115.043	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	863593	99.317	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	861754m	100.495	ug/l	
73) Bromobenzene	11.24	156	809164	101.845	ug/l	98
74) n-propylbenzene	11.34	91	3480329	106.684	ug/l	100
75) 2-Chlorotoluene	11.40	91	2183708	110.578	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	2505744	104.498	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	359661	106.556	ug/l	96
78) 4-Chlorotoluene	11.49	91	2359169	101.022	ug/l	100
79) tert-butylbenzene	11.76	119	2497194	107.165	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	2655760	110.077	ug/l	99
81) sec-Butylbenzene	11.93	105	3188008	118.420	ug/l	99
82) p-Isopropyltoluene	12.05	119	2872595	112.122	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	1473048	104.892	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	1427027	100.243	ug/l	99
85) n-Butylbenzene	12.37	91	2840415	127.422	ug/l	99
86) Hexachloroethane	12.58	117	612537	122.113	ug/l	91
87) 1,2-Dichlorobenzene	12.38	146	1518950	111.291	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	259047	120.470	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	1034241	106.638	ug/l	99
90) Hexachlorobutadiene	13.77	225	459881	116.191	ug/l	99
91) Naphthalene	13.82	128	3130698	105.982	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	1006719	105.567	ug/l	100

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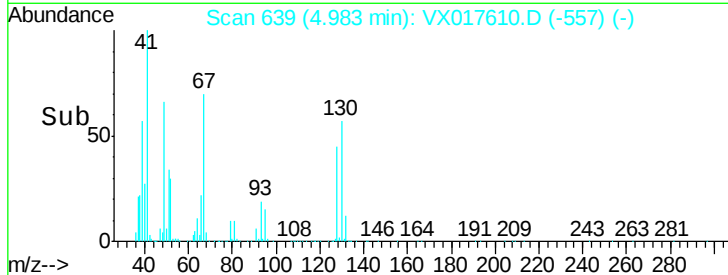
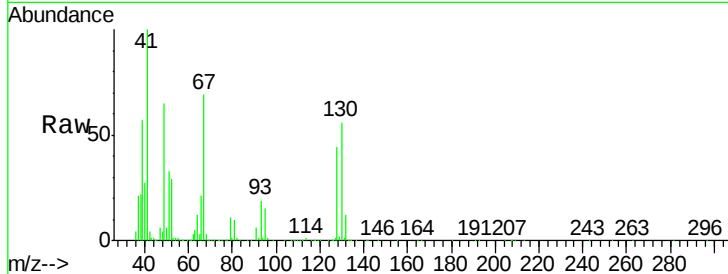
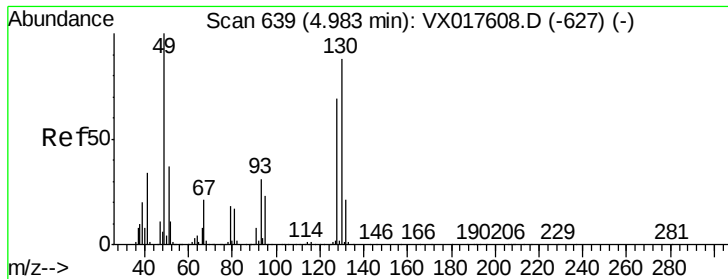
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QLast Update : Mon Jul 27 11:26:34 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX017610.D

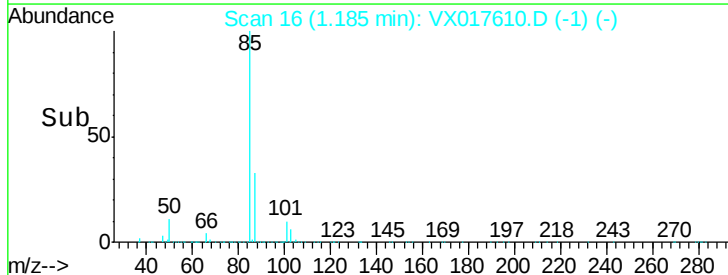
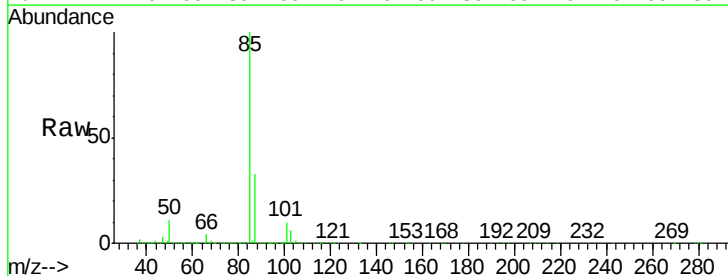
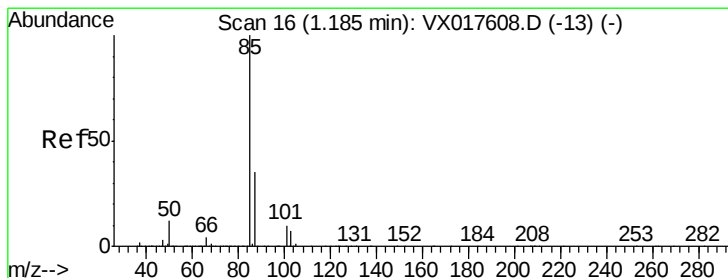
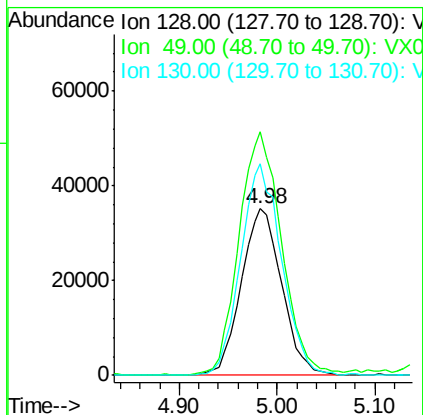
Acq: 27 Jul 2020 10:31

Tot Ion:	128	Resp:	100987
Ion Ratio	Lower	Upper	
128	100		
49	153.8	0.0	376.0
130	128.2	0.0	323.0

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#2

Dichlorodifluoromethane

Concen: 161.489 ug/l

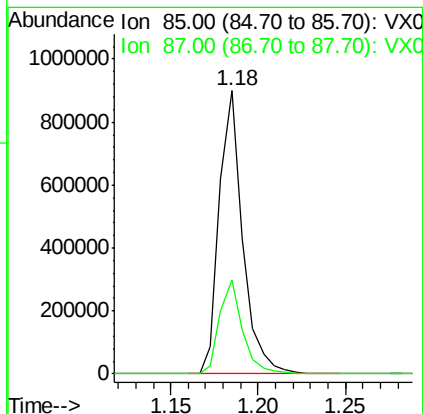
RT: 1.18 min Scan# 16

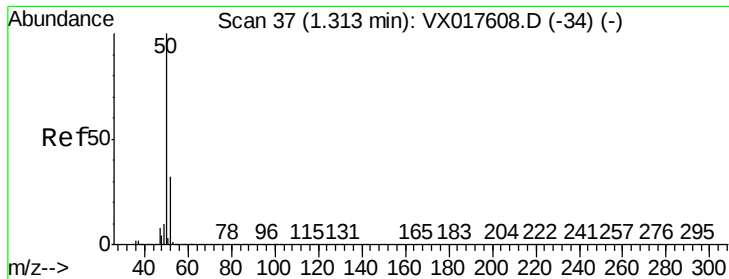
Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Tgt Ion:	85	Resp:	839648
Ion Ratio	Lower	Upper	
85	100		
87	33.2	17.3	51.9





#3

Chloromethane

Concen: 149.063 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 801201

Ion Ratio Lower Upper

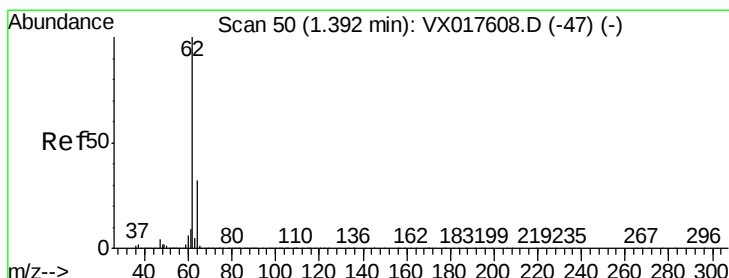
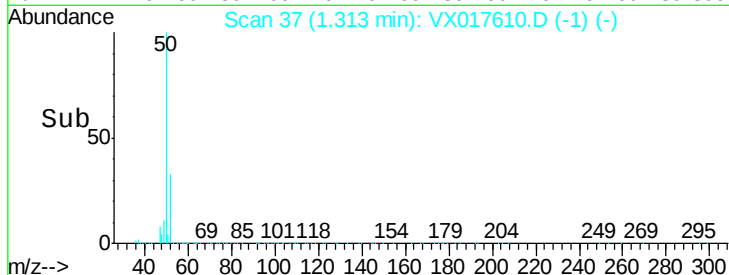
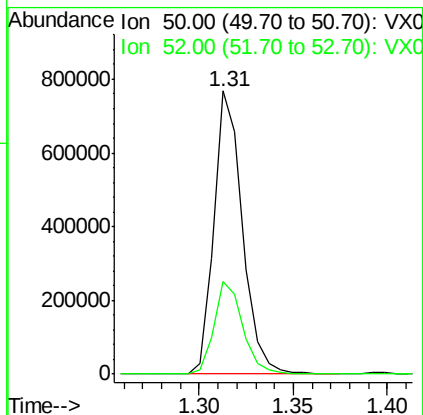
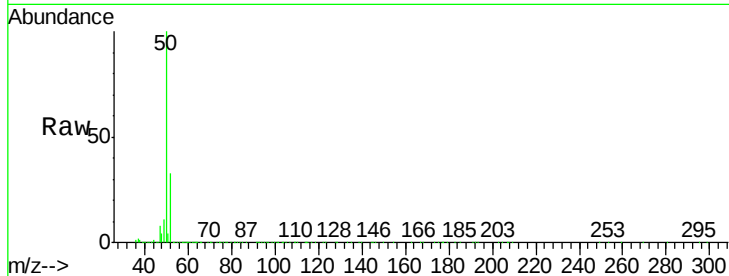
50 100

52 32.7 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 145.540 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017610.D

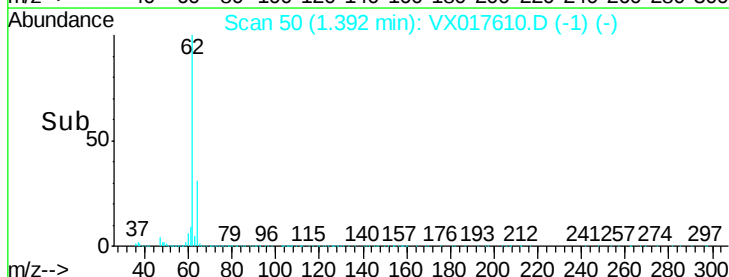
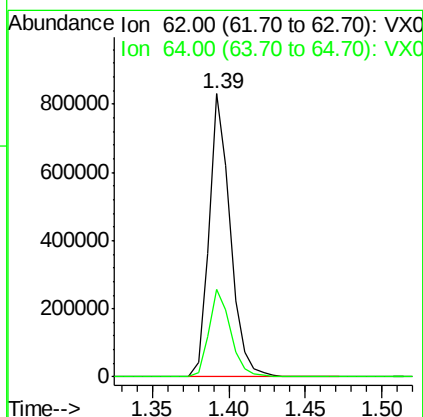
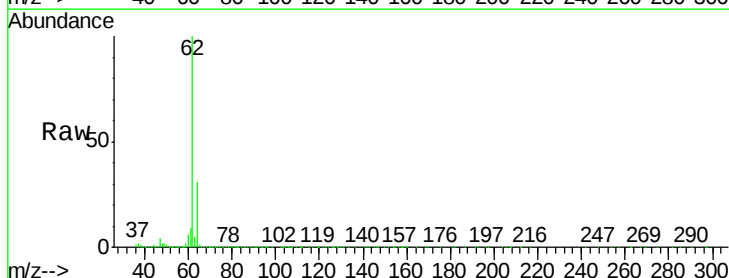
Acq: 27 Jul 2020 10:31

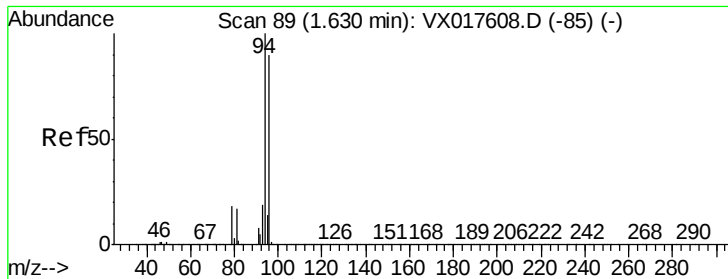
Tgt Ion: 62 Resp: 805483

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.8





#5

Bromomethane

Concen: 120.477 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 433737

Ion Ratio Lower Upper

94 100

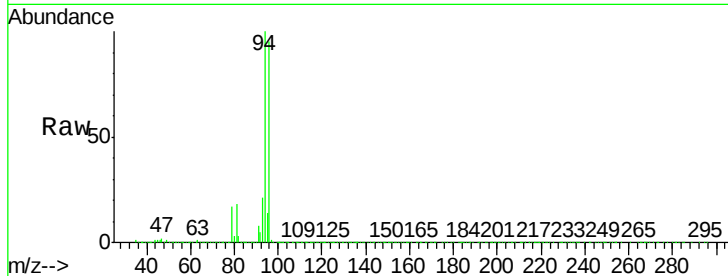
96 95.2 72.5 108.7

Manual Integrations

APPROVED

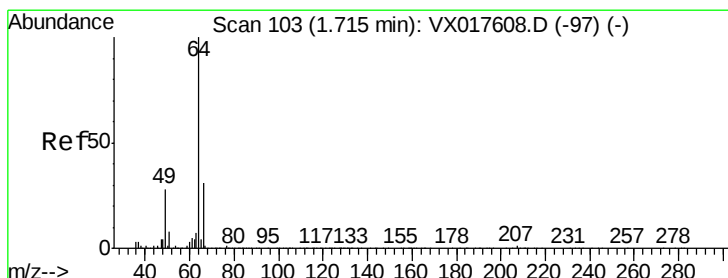
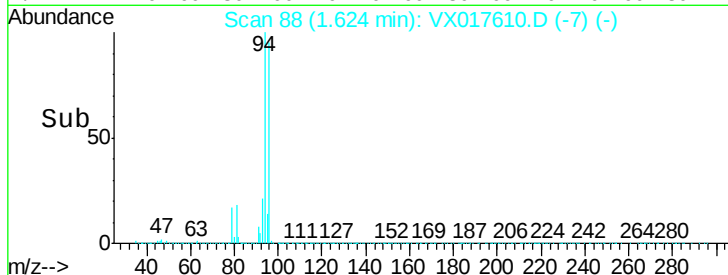
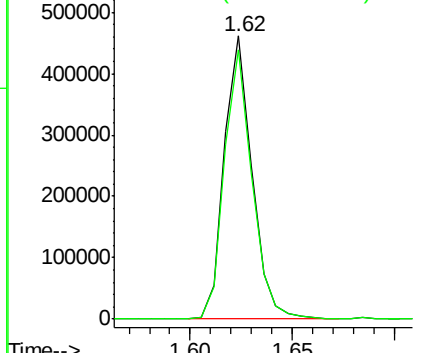
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 127.332 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017610.D

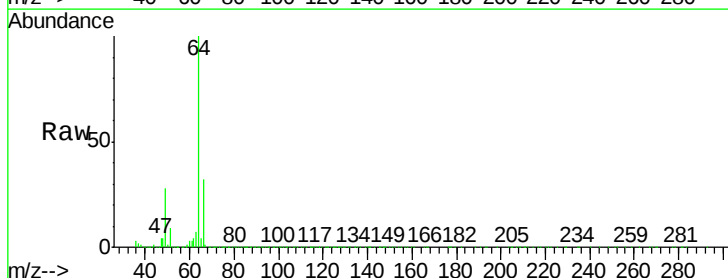
Acq: 27 Jul 2020 10:31

Tgt Ion: 64 Resp: 443343

Ion Ratio Lower Upper

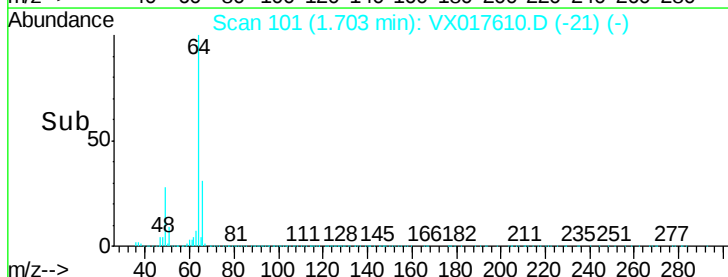
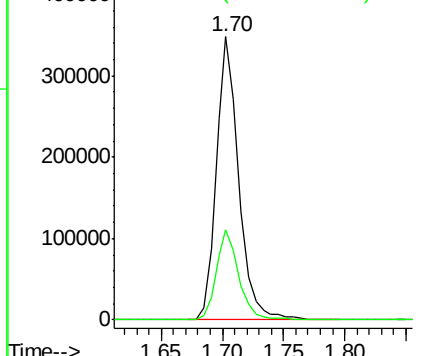
64 100

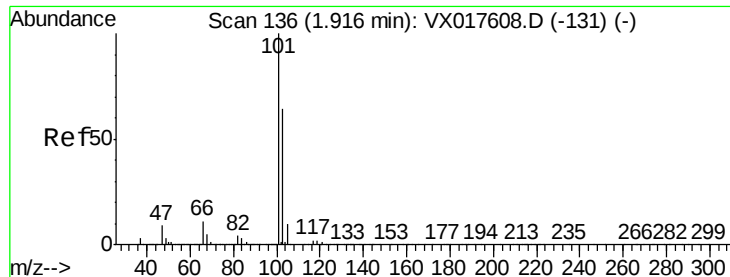
66 31.6 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

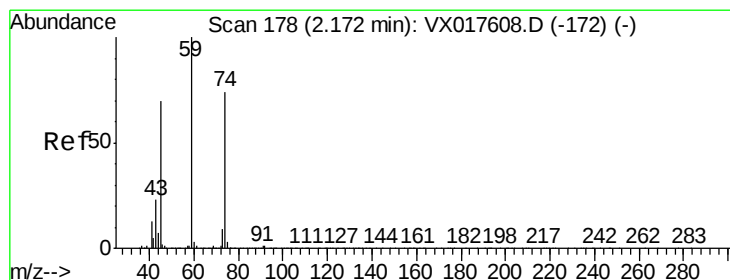
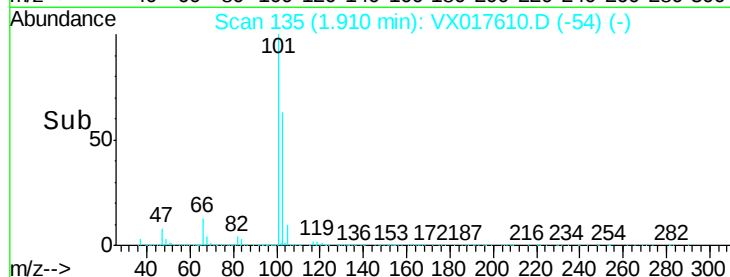
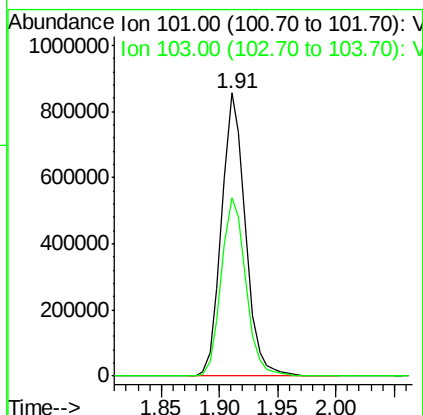
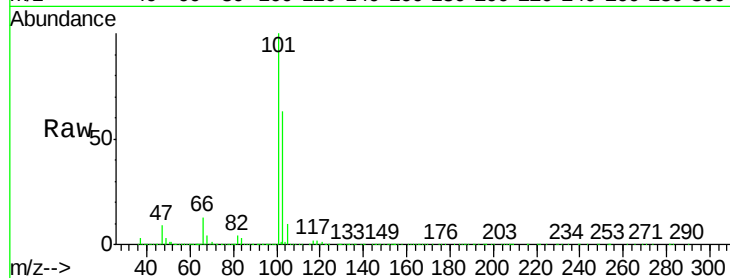
Trichlorofluoromethane
 Concen: 129.828 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.3	76.9

Manual Integrations
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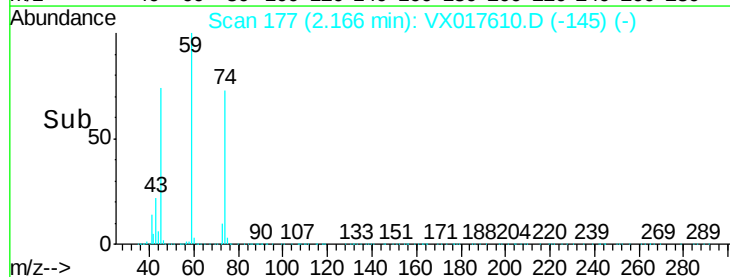
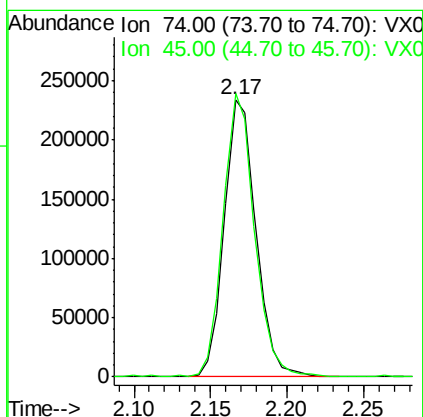
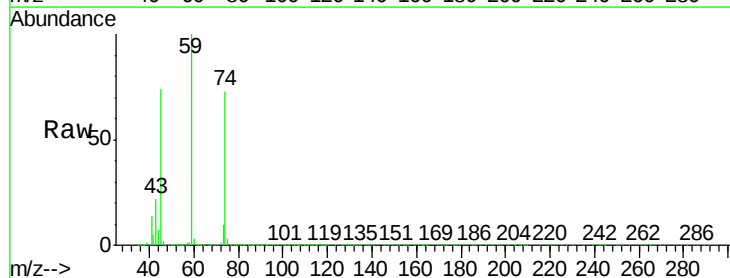
MMDadoda
 7/28/2020 10:31:33 AM

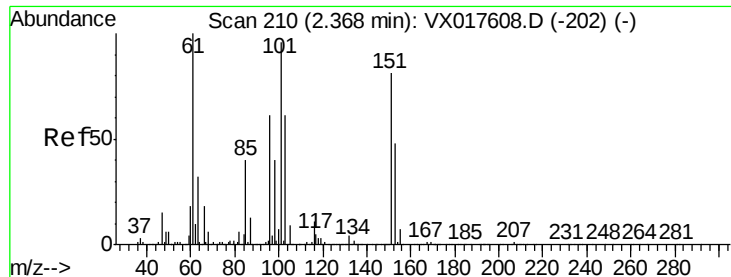


#8

Diethyl Ether
 Concen: 107.296 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	21.1	190.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.655 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

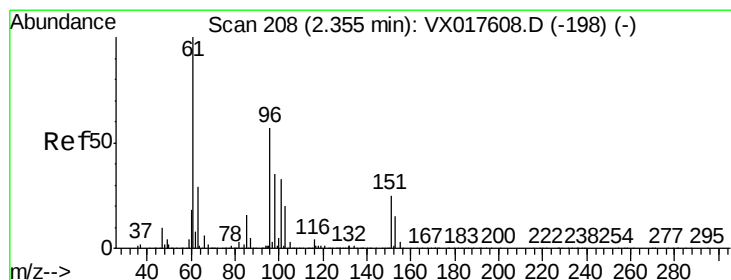
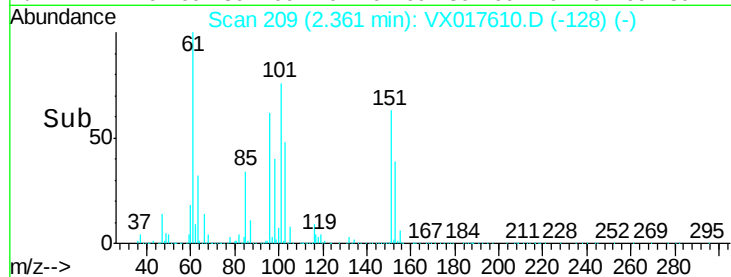
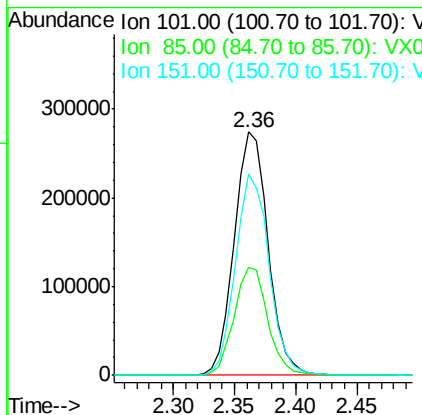
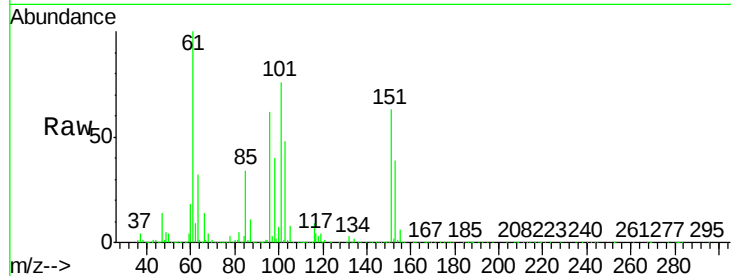
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	526808
Ion Ratio	Lower	Upper	
101	100		
85	44.3	0.0	90.6
151	82.4	0.0	163.2

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 101.957 ug/l

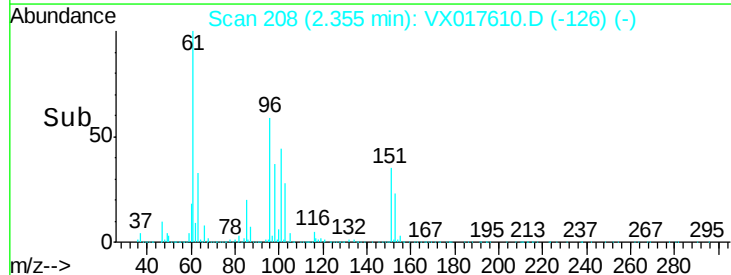
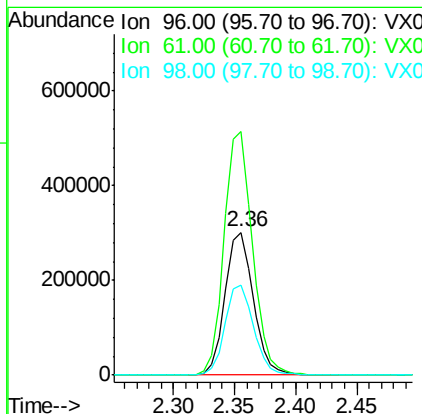
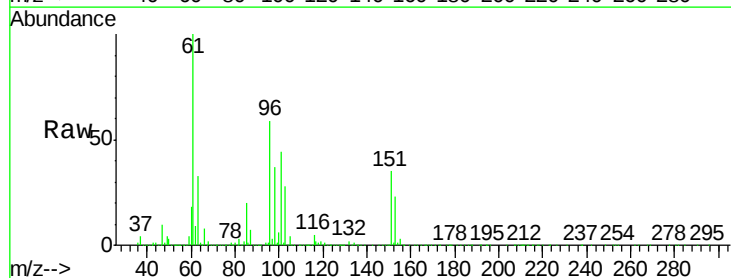
RT: 2.36 min Scan# 208

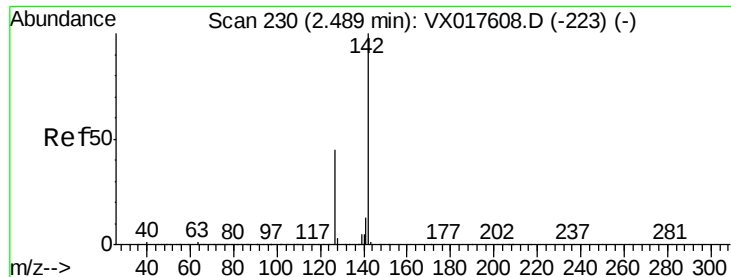
Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Tgt Ion:	96	Resp:	483765
Ion Ratio	Lower	Upper	
96	100		
61	170.3	141.2	211.8
98	62.8	49.4	74.2





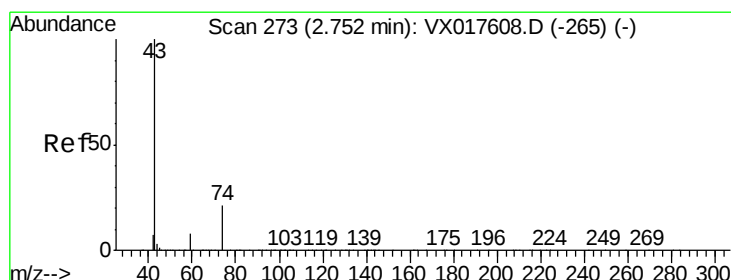
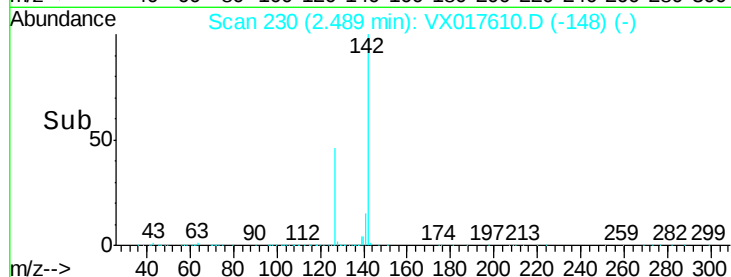
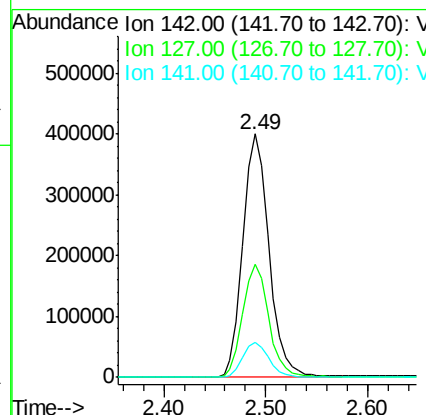
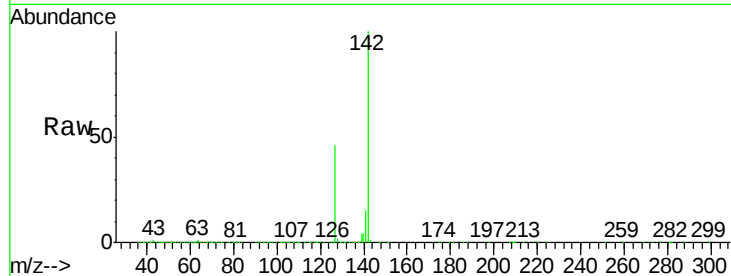
#11
Methvl Iodide
Concen: 124.585 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.3	22.4	67.0
141	14.5	6.6	19.7

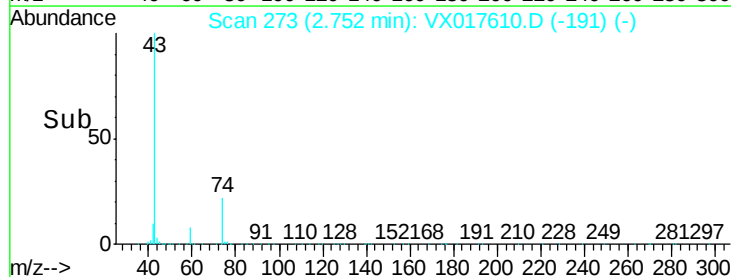
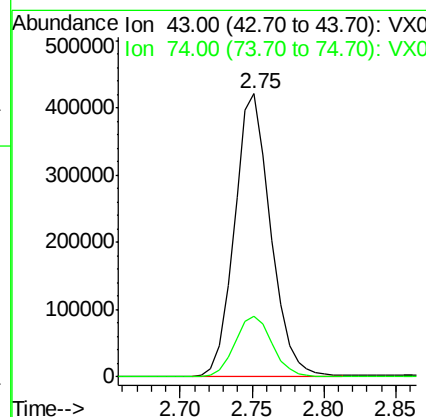
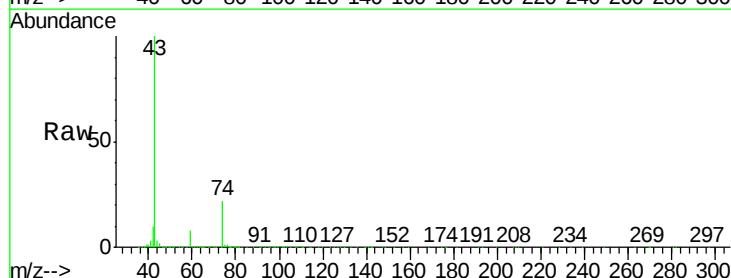
Manual Integrations
APPROVED

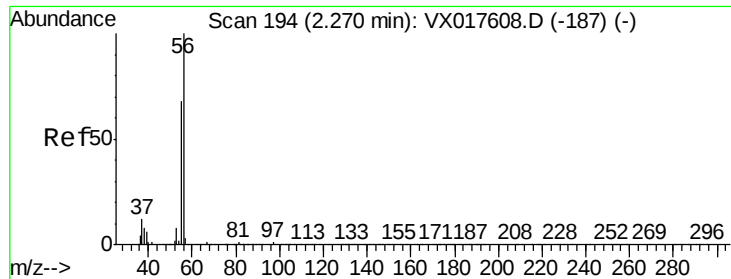
MMDadoda
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#12
Methyl Acetate
Concen: 109.315 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.1	25.7





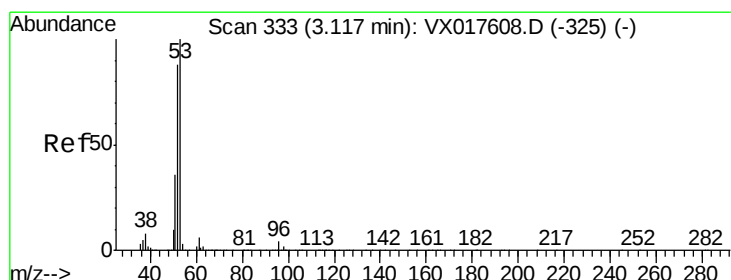
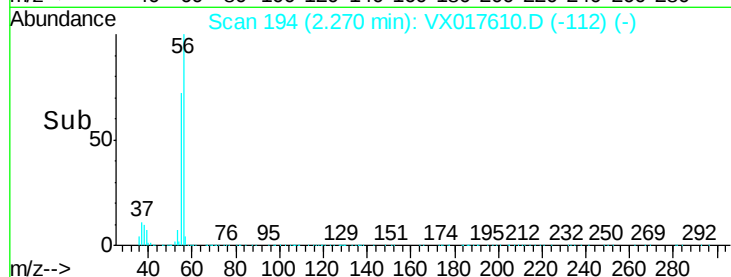
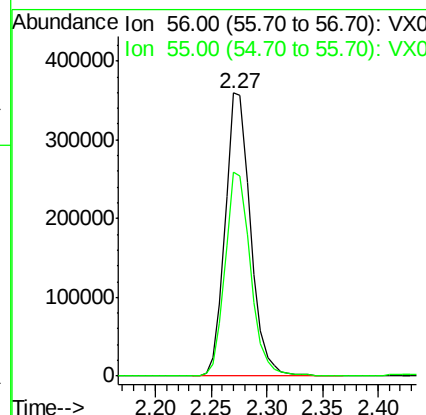
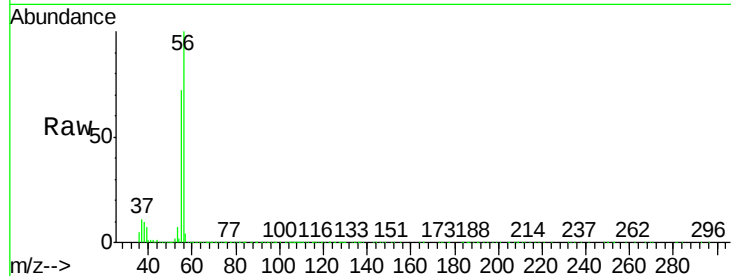
#13
Acrolein
Concen: 648.861 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.0	57.2	85.8

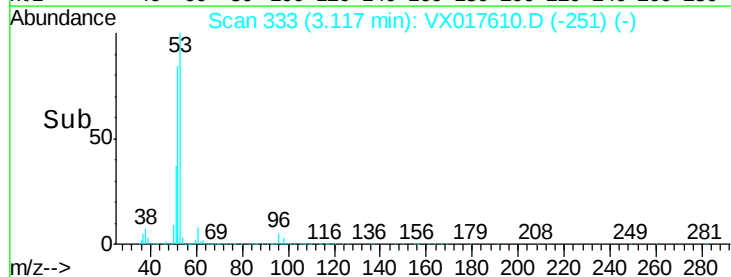
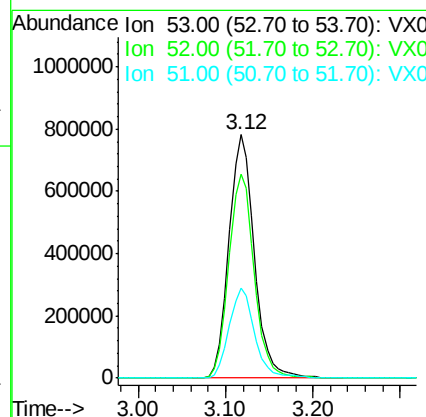
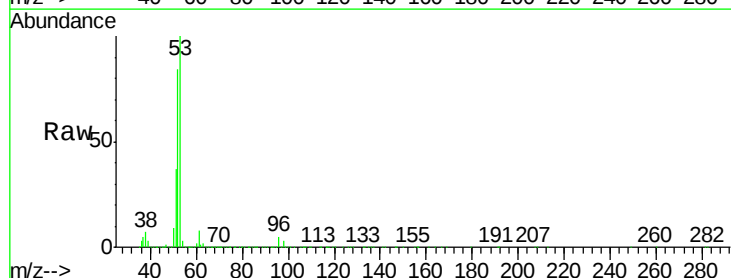
Manual Integrations
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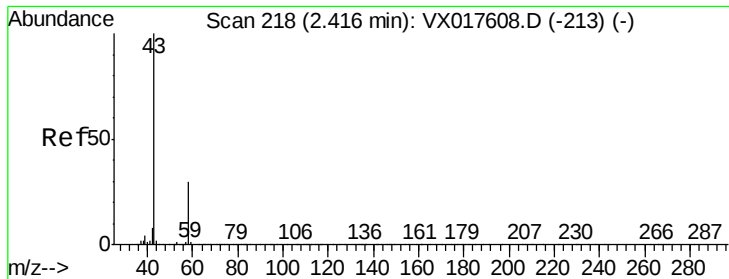
MMDadoda
7/28/2020 10:31:33 AM



#14
Acrylonitrile
Concen: 529.218 ug/l
RT: 3.12 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	84.0	41.4	124.4
51	51	37.2	18.4	55.2





#15

Acetone

Concen: 541.810 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 417445

Ion Ratio Lower Upper

58 100

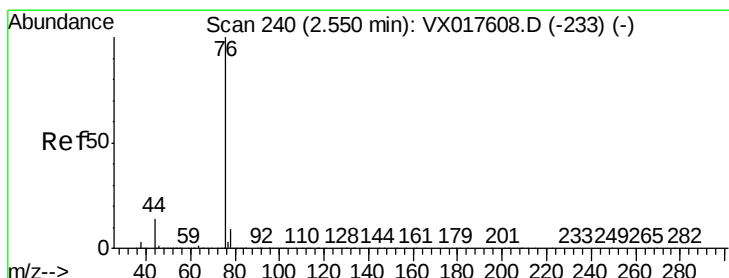
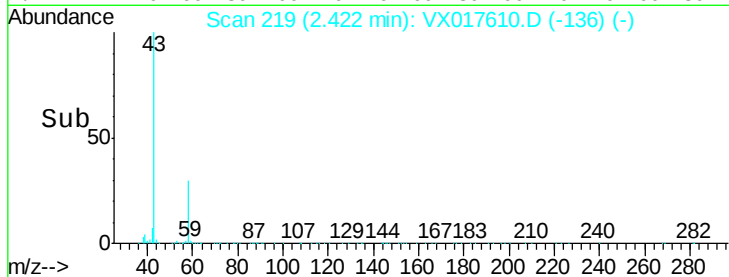
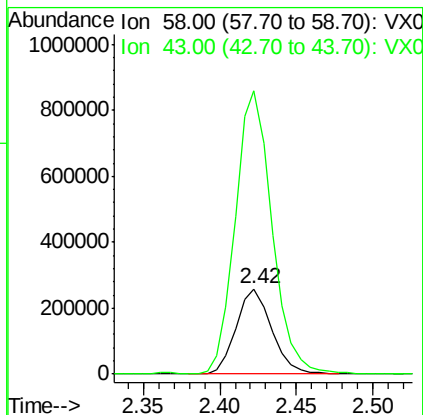
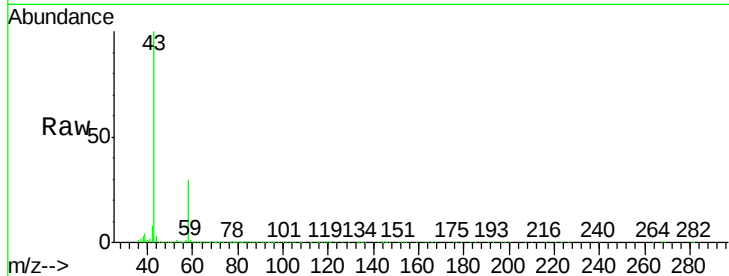
43 330.4 268.6 402.8

Manual Integrations

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#16

Carbon Disulfide

Concen: 103.876 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017610.D

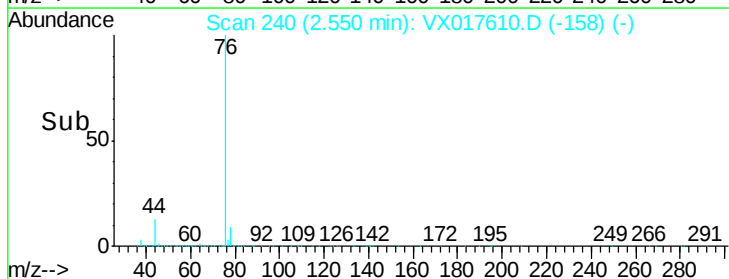
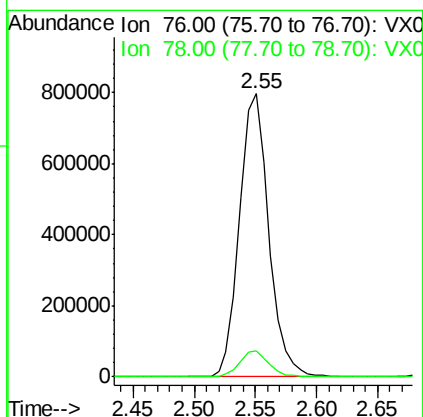
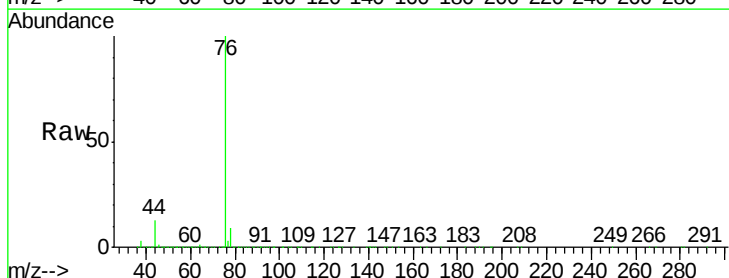
Acq: 27 Jul 2020 10:31

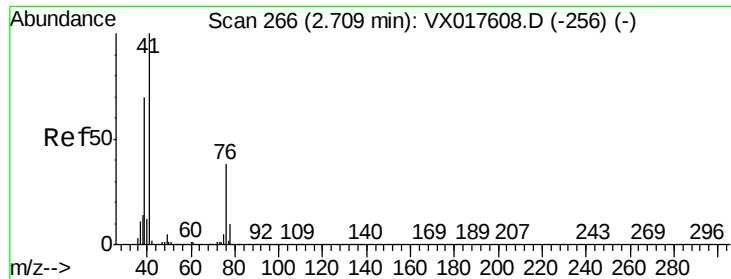
Tgt Ion: 76 Resp: 1324148

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





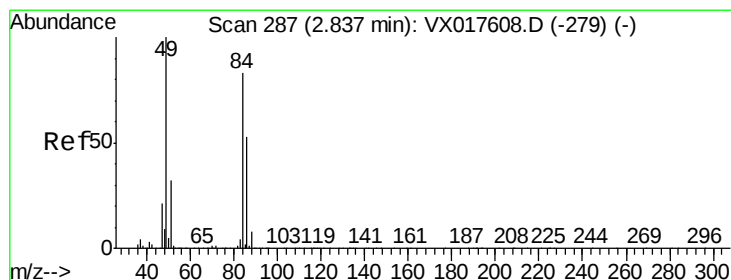
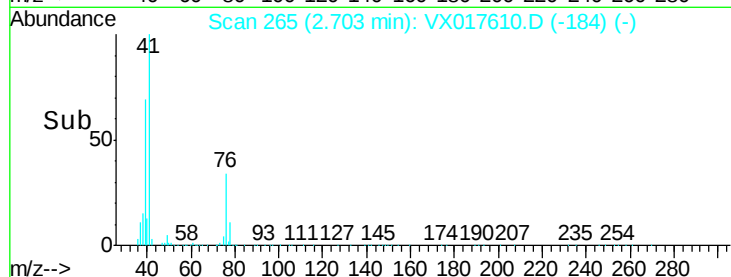
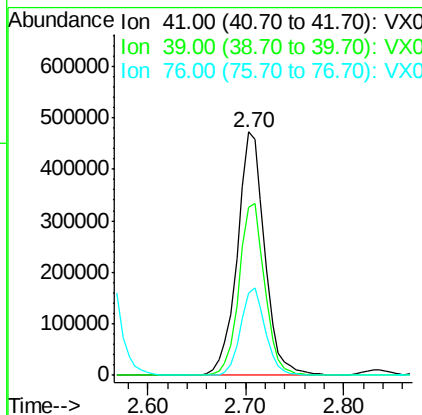
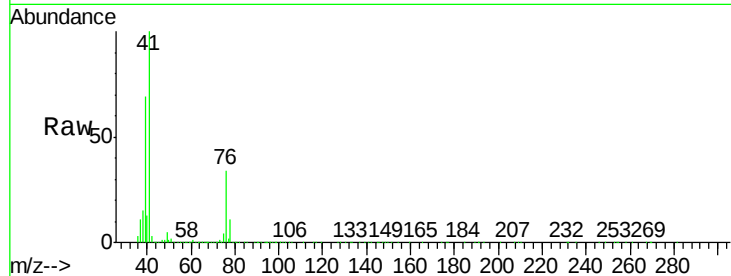
#17
Allvl chloride
Concen: 103.479 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.0	34.8	104.5
76	33.6	19.1	57.3

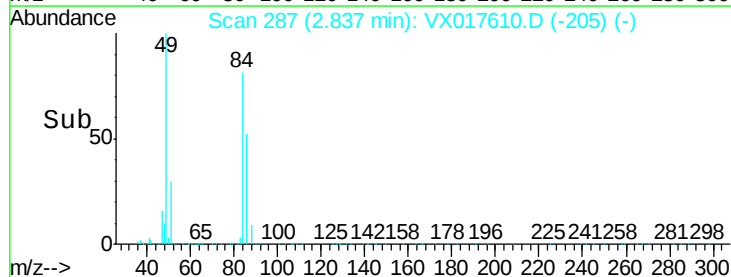
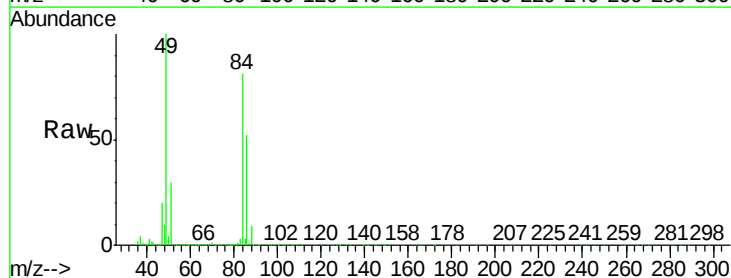
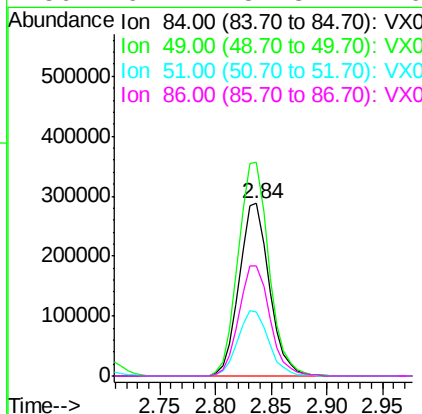
Manual Integrations
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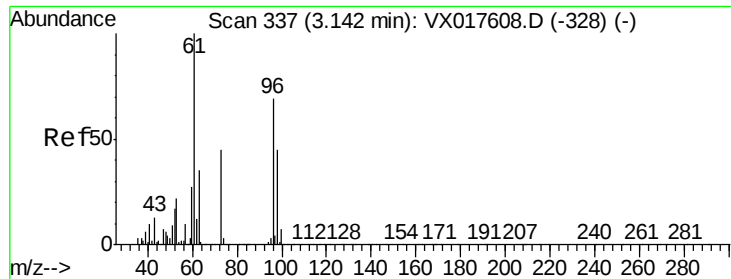
MMDadoda
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#18
Methylene Chloride
Concen: 93.637 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.7	96.7	145.1
51	36.8	31.0	46.4
86	64.1	51.8	77.6





#19

trans-1,2-Dichloroethene

Concen: 95.996 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

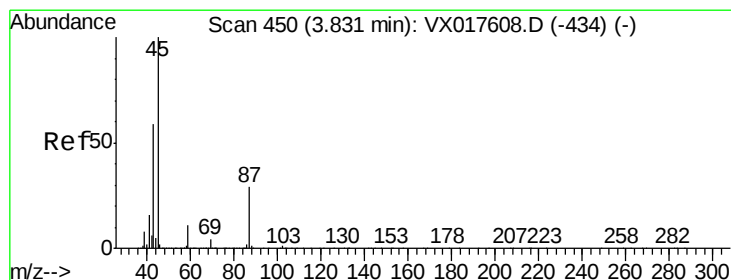
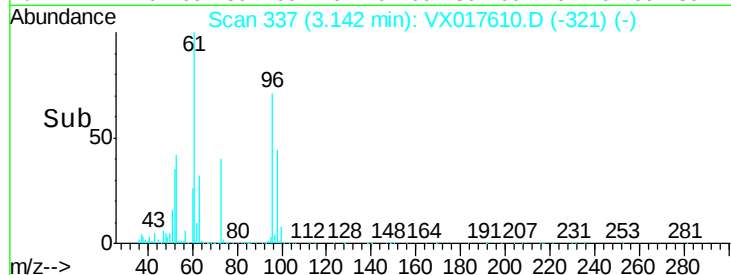
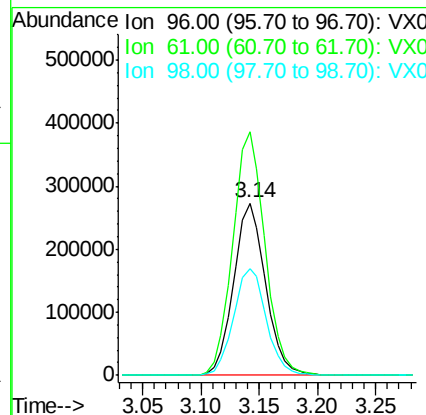
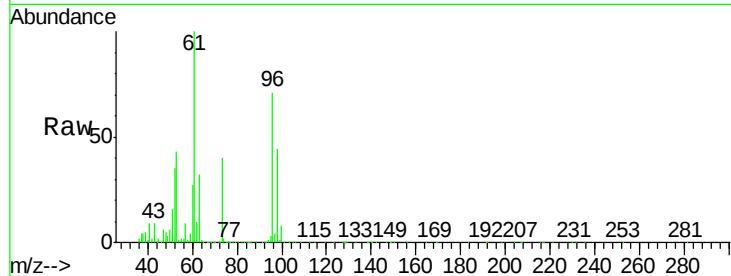
VSTDIC100

Tot Ion: 96 Resp: 520136

Ion	Ratio	Lower	Upper
96	100		
61	141.5	115.0	172.6
98	62.2	51.6	77.4

Manual Integrations
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#20

Diisopropyl ether

Concen: 104.992 ug/l

RT: 3.82 min Scan# 449

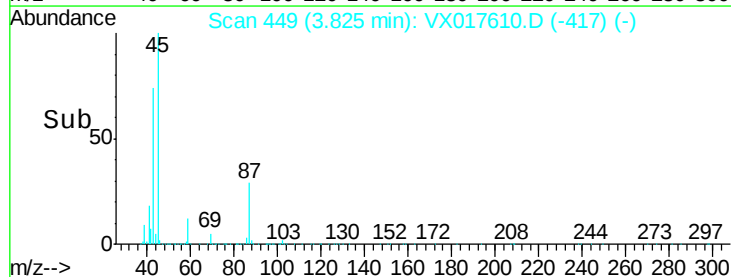
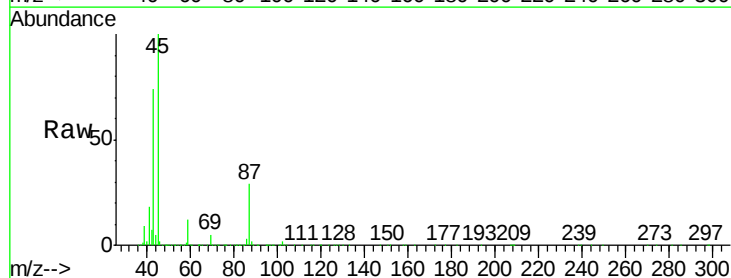
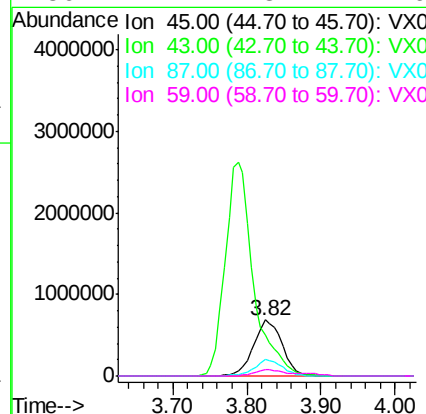
Delta R.T. -0.01 min

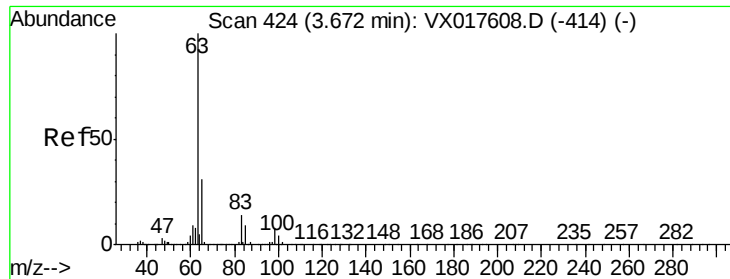
Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Tgt Ion: 45 Resp: 1854410

Ion	Ratio	Lower	Upper
45	100		
43	73.6	47.4	71.0#
87	28.6	23.3	34.9
59	11.7	8.4	12.6





#21

1,1-Dichloroethane

Concen: 100.523 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

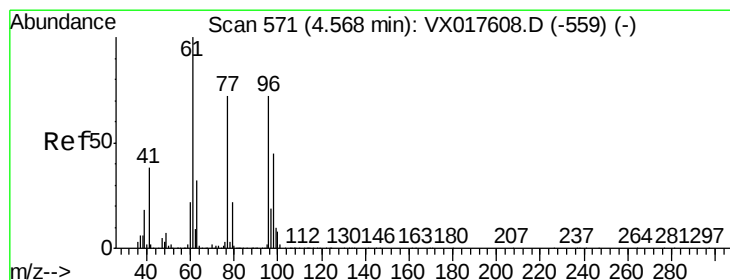
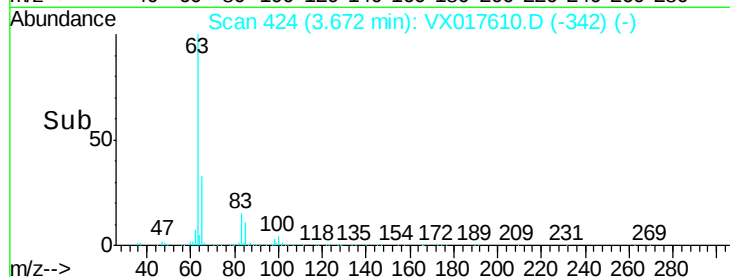
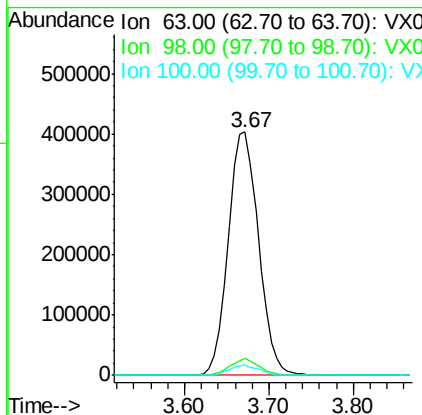
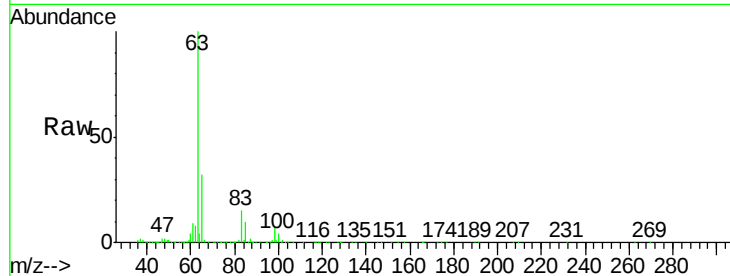
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	984657		
98	6.8	3.9	11.7	
100	4.3	1.9	5.7	

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#22

cis-1,2-Dichloroethene

Concen: 101.111 ug/l

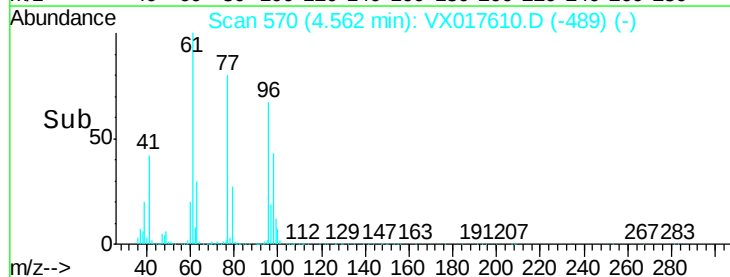
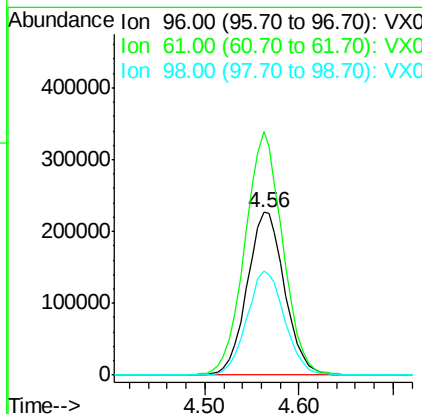
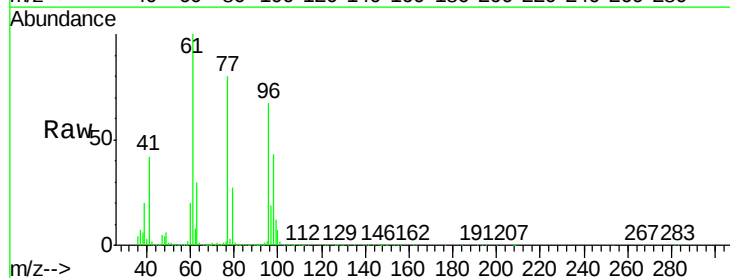
RT: 4.56 min Scan# 570

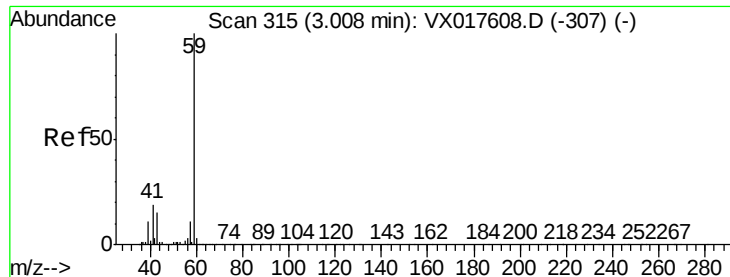
Delta R.T. -0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	632214		
61	150.3	121.1	181.7	
98	64.6	51.4	77.2	





#23

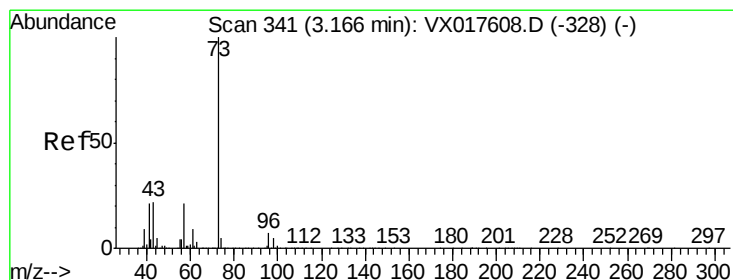
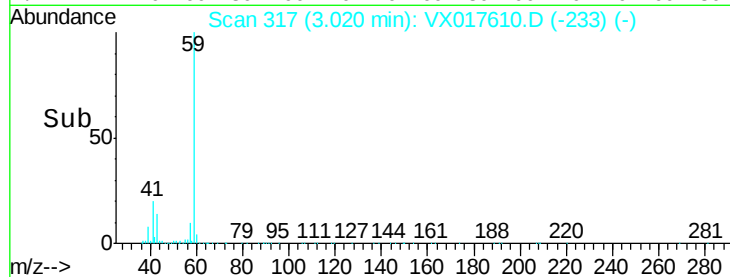
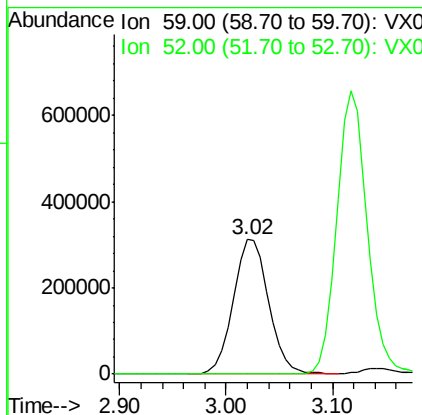
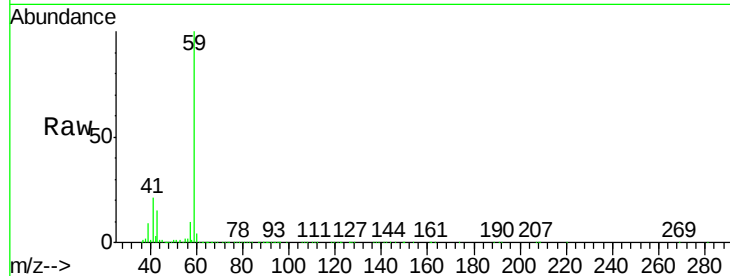
tert-Butyl Alcohol
Concen: 571.251 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.4#

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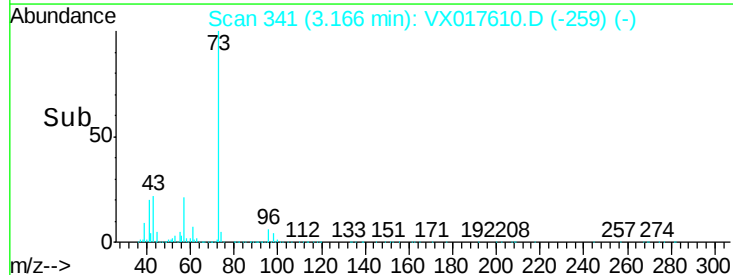
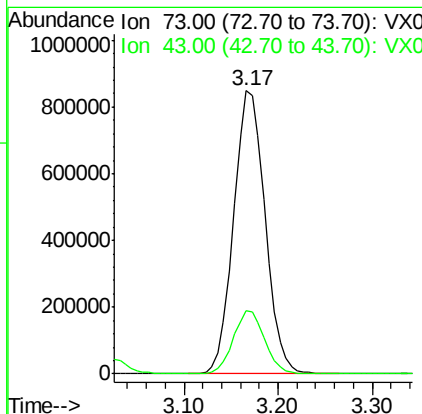
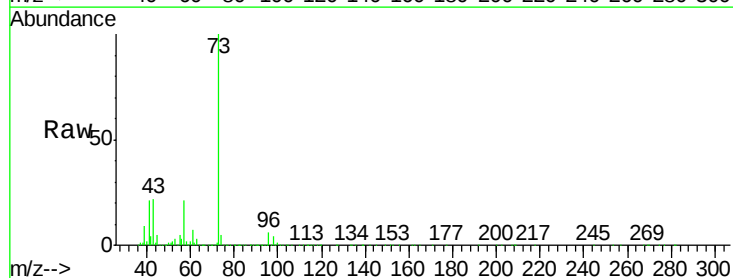
MMDadoda
7/28/2020 10:31:33 AM

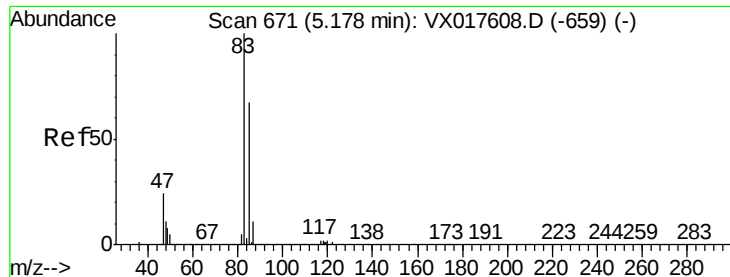


#24

Methyl tert-Butyl Ether
Concen: 108.136 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.0	18.1	27.1





#25

Chloroform

Concen: 101.702 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1078271

Ion Ratio Lower Upper

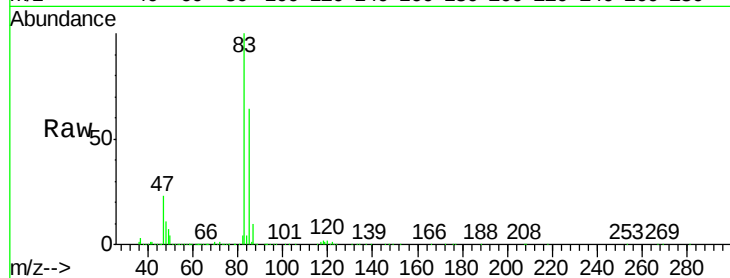
83 100

85 64.3 53.7 80.5

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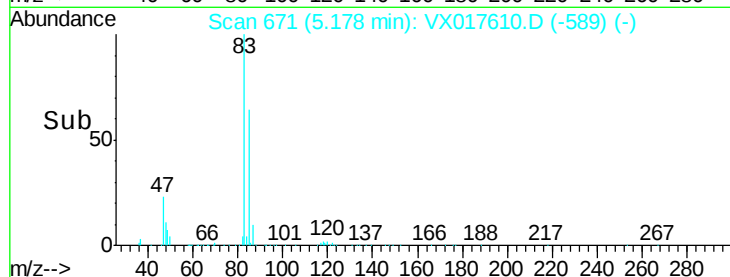
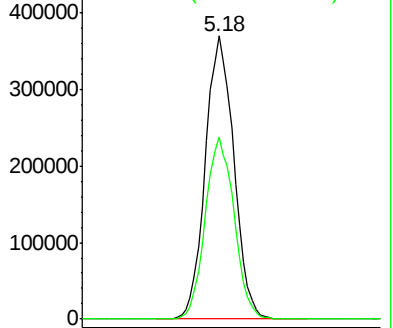
MMDadoda

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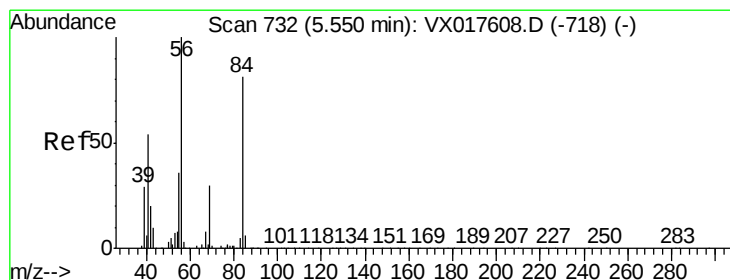


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



Time-->



#26

Cyclohexane

Concen: 118.605 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

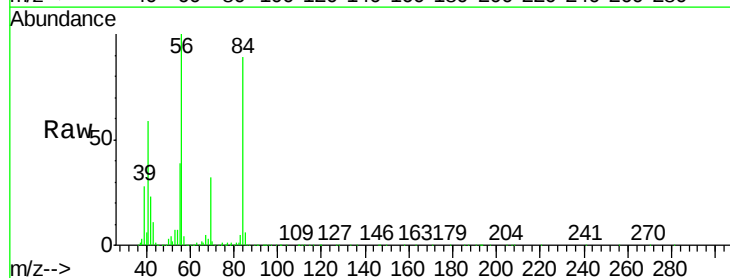
Tgt Ion: 56 Resp: 929489

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

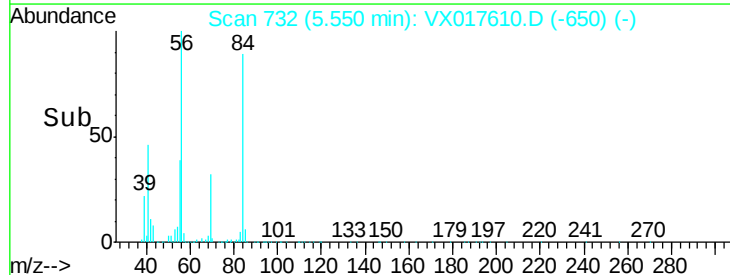
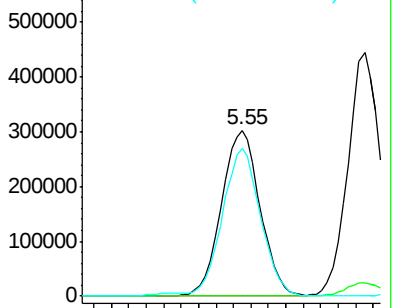
84 87.8 69.3 103.9

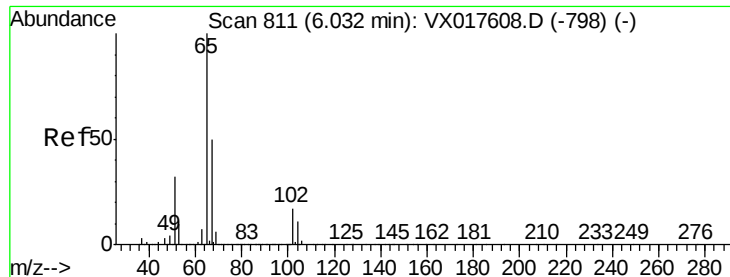


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.821 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 224763

Ion Ratio Lower Upper

65 100

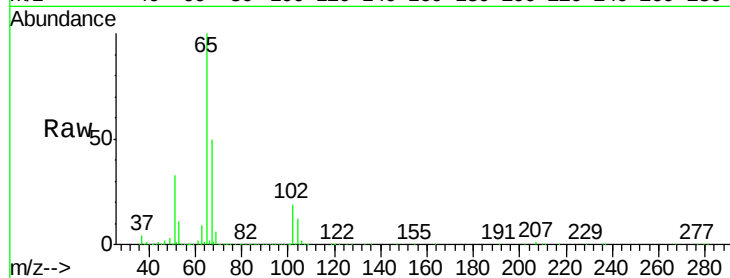
67 49.8 40.6 61.0

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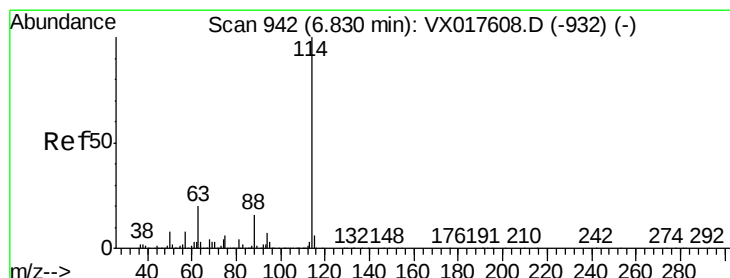
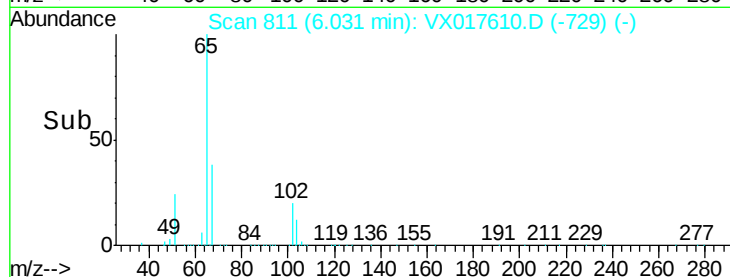
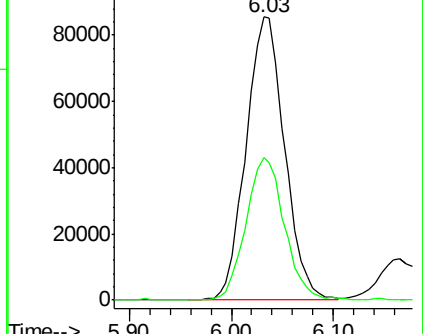
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

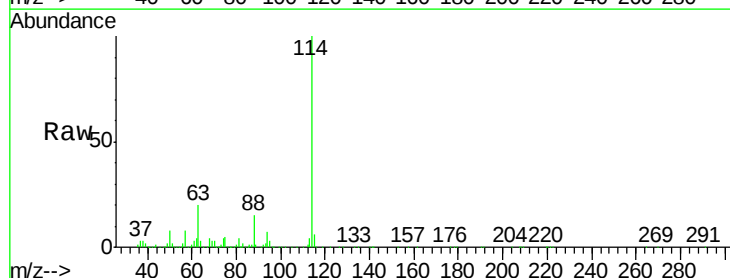
Tgt Ion: 114 Resp: 495890

Ion Ratio Lower Upper

114 100

63 20.2 16.3 24.5

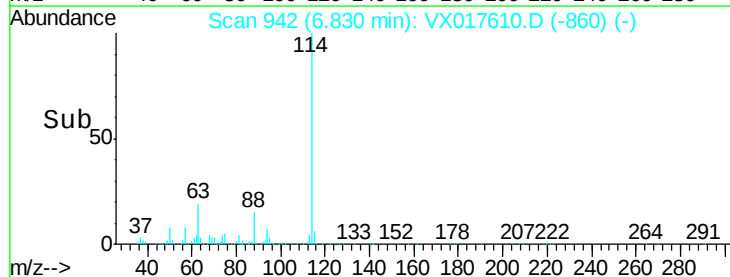
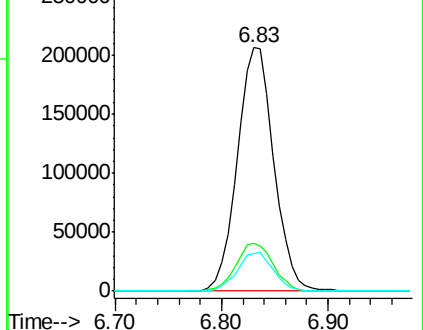
88 15.9 12.6 18.8

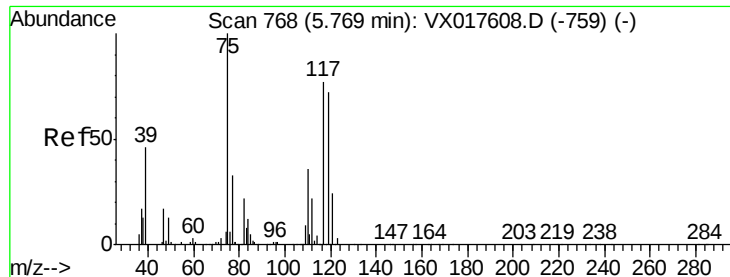


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





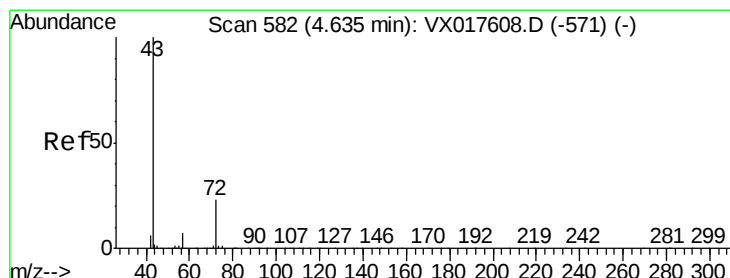
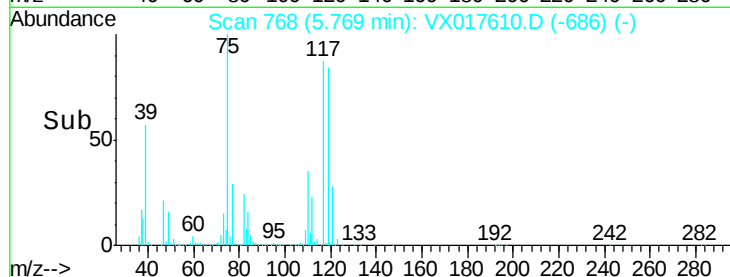
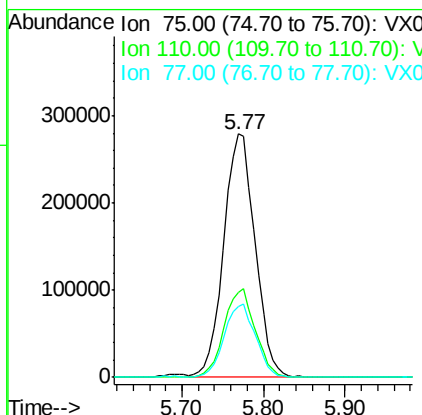
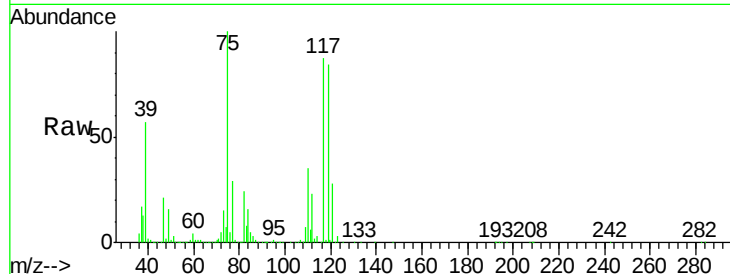
#29
 1,1-Dichloropropene
 Concen: 105.072 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.2	0.0	75.4
77	30.2	0.0	63.2

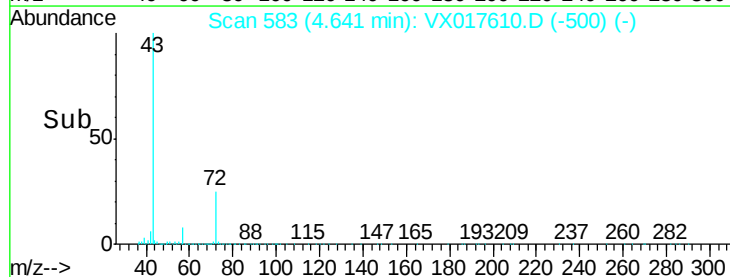
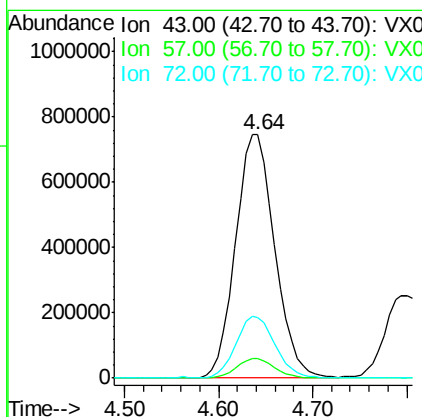
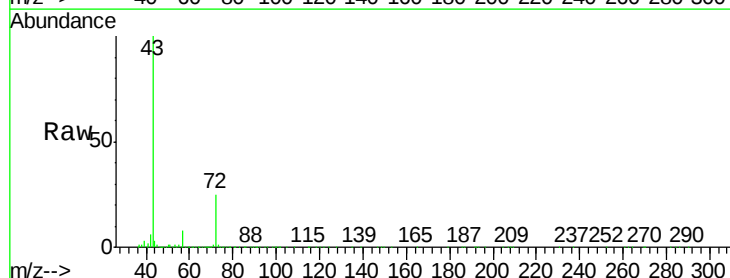
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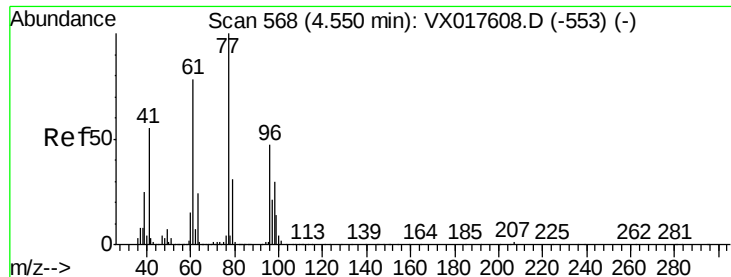
MMDadoda
 7/28/2020 10:31:33 AM



#30
 2-Butanone
 Concen: 559.000 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.5	9.7
72	25.2	19.8	29.6





#31

2,2-Dichloropropane

Concen: 111.049 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 991119

Ion Ratio Lower Upper

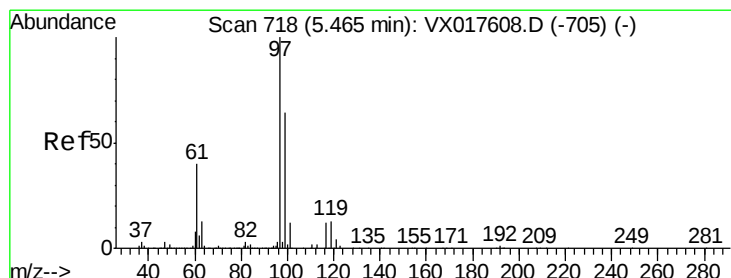
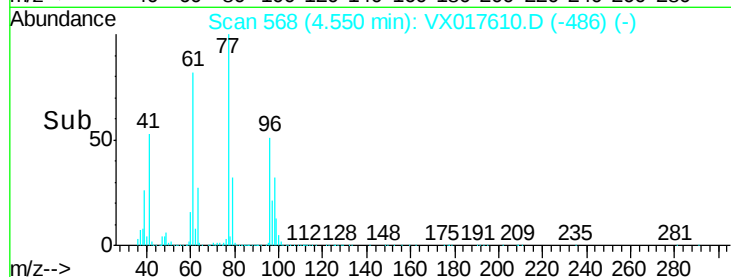
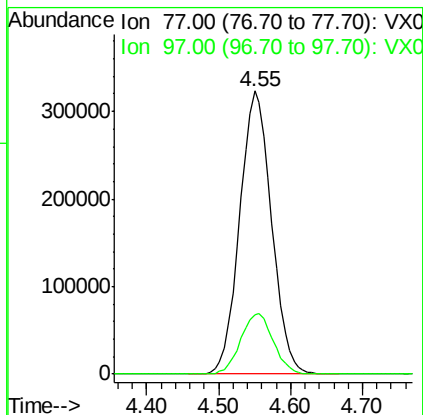
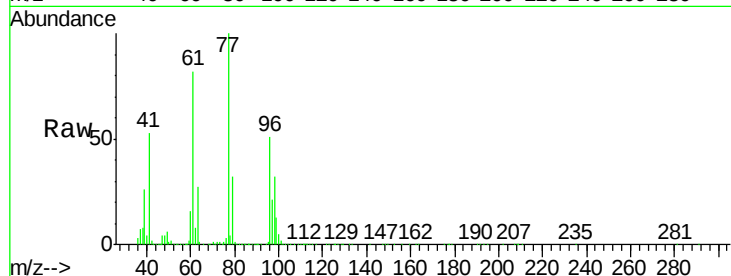
77 100

97 22.0 17.6 26.4

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#32

1,1,1-Trichloroethane

Concen: 112.519 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

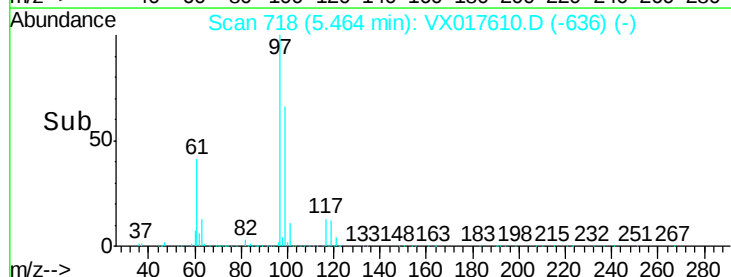
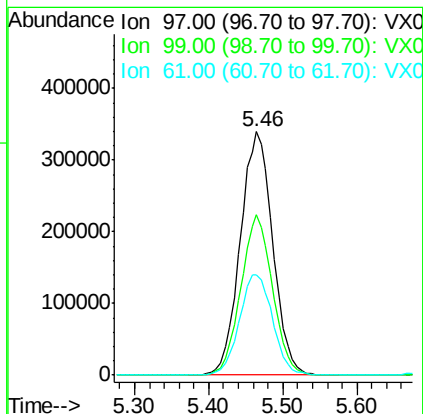
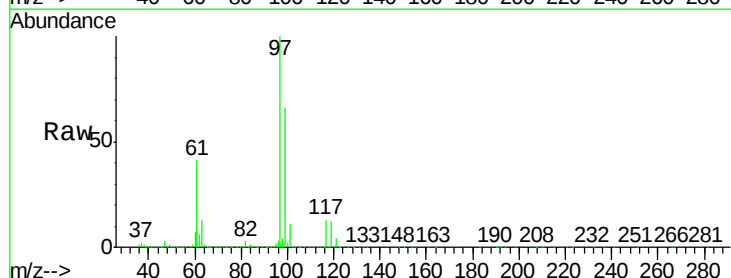
Tgt Ion: 97 Resp: 1037348

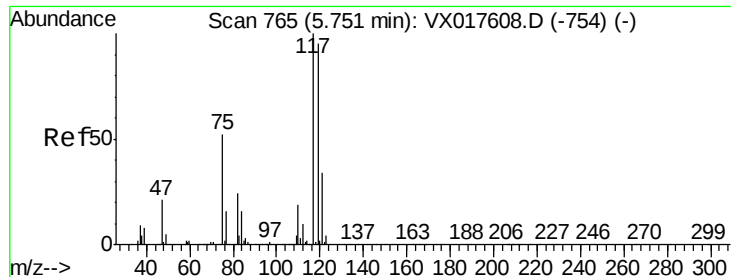
Ion Ratio Lower Upper

97 100

99 64.1 50.6 75.8

61 42.2 32.6 48.8





#33

Carbon Tetrachloride

Concen: 109.067 ug/l

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

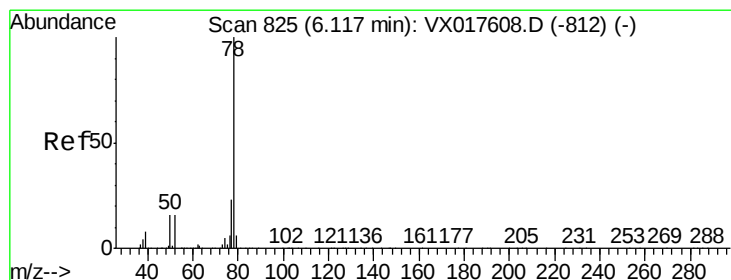
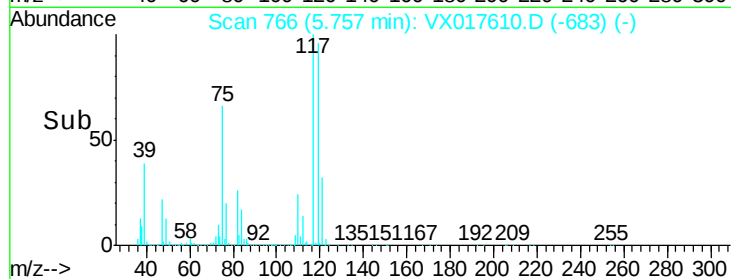
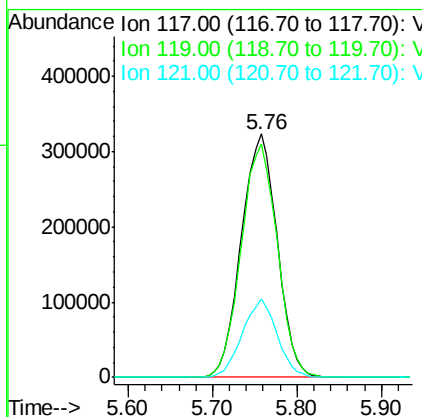
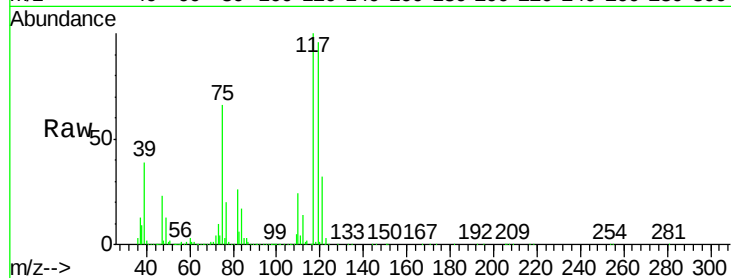
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	933352
Ion Ratio	Lower	Upper	
117	100		
119	95.8	76.2	114.2
121	32.4	26.8	40.2

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#34

Benzene

Concen: 105.304 ug/l

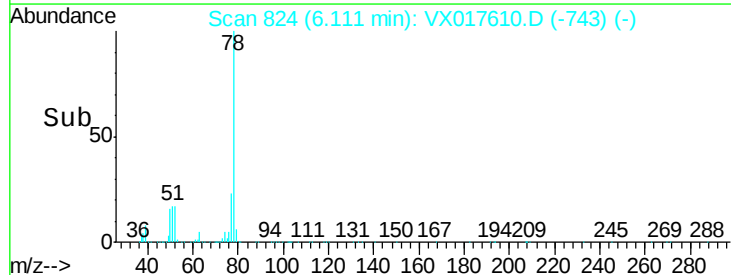
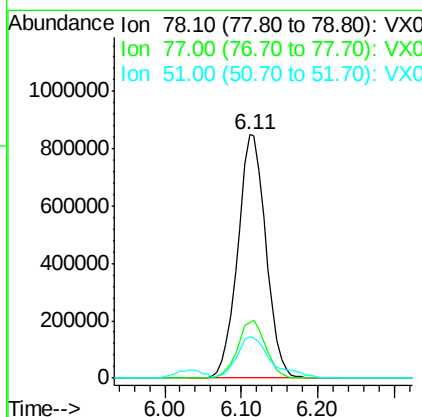
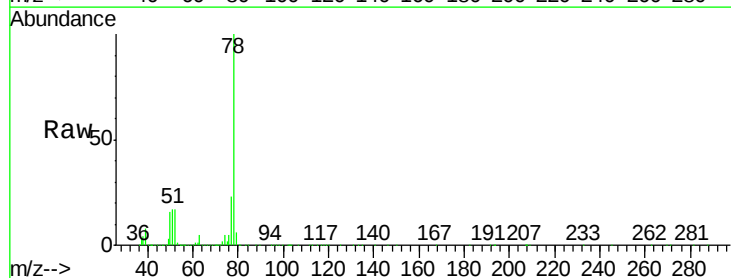
RT: 6.11 min Scan# 824

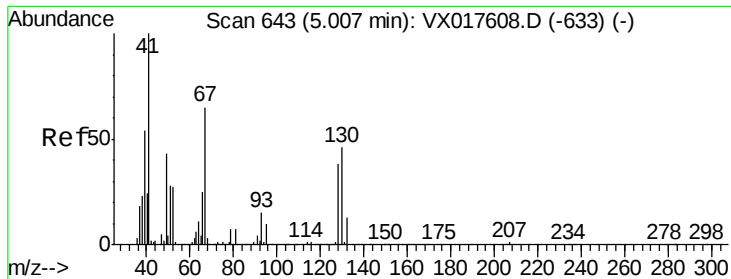
Delta R.T. -0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Tgt Ion:	78	Resp:	2163273
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.3	27.5
51	16.8	12.3	18.5





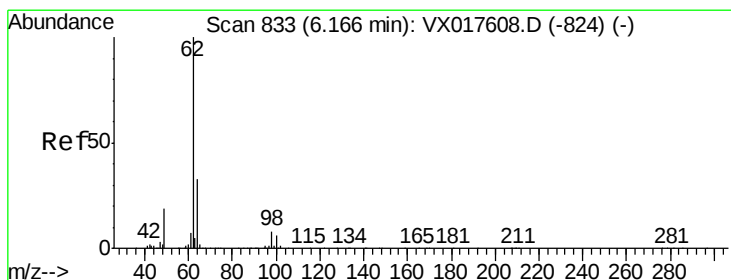
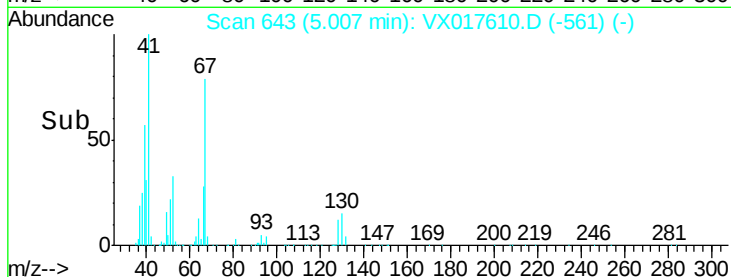
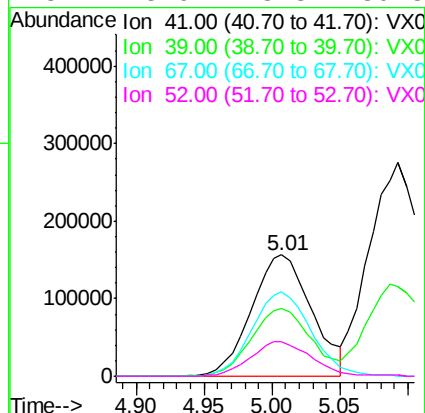
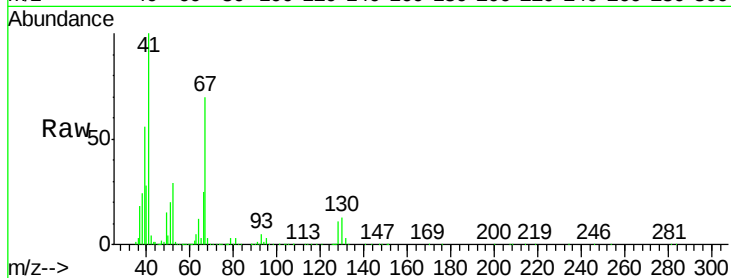
#35
Methacrylonitrile
Concen: 109.916 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	27.0	81.0	
67	70.0	32.4	97.0	
52	28.9	13.3	39.8	

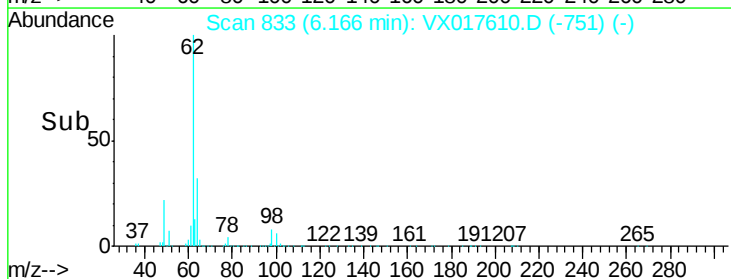
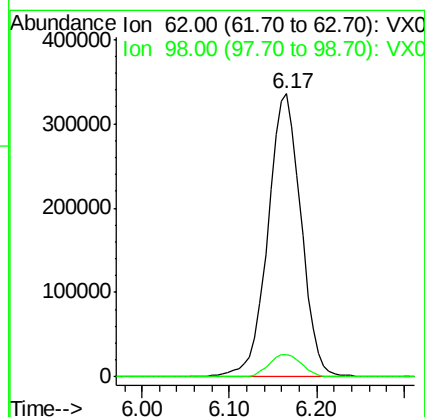
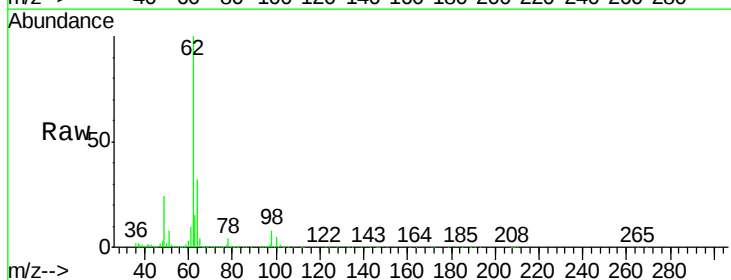
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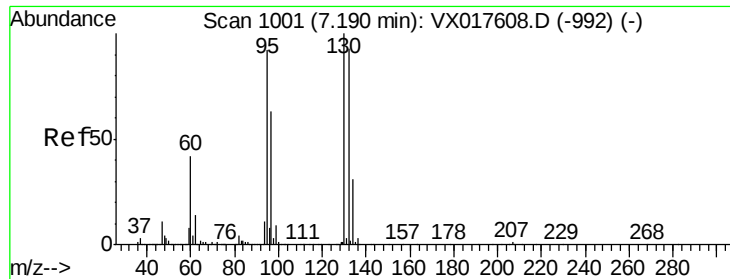
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#36
1,2-Dichloroethane
Concen: 107.638 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	6.6	10.0	





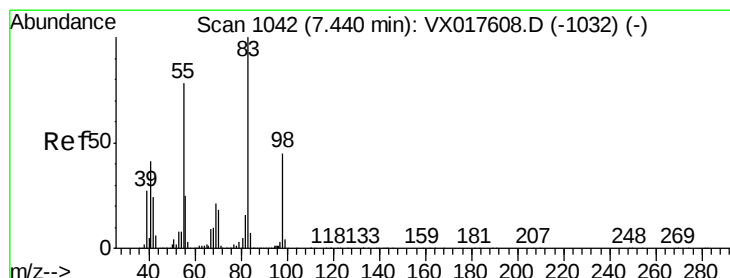
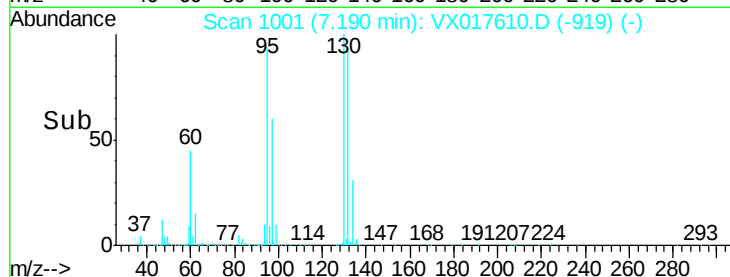
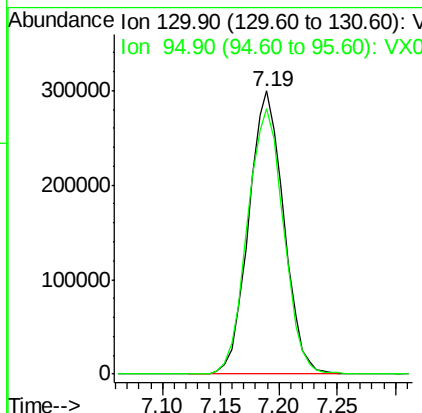
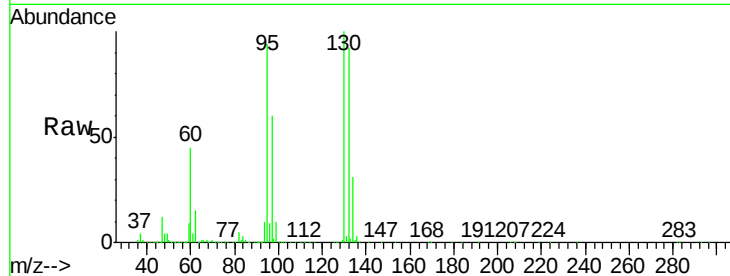
#37
 Trichloroethene
 Concen: 98.981 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 627120
 Ion Ratio Lower Upper
 130 100
 95 93.8 73.9 110.9

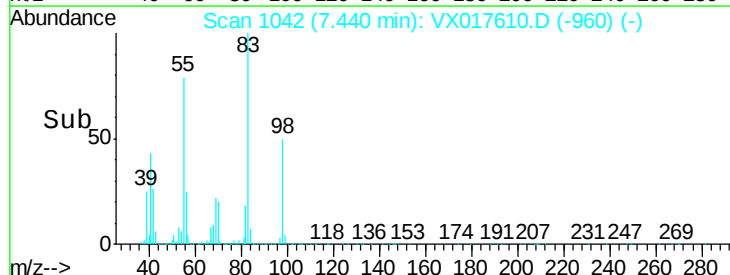
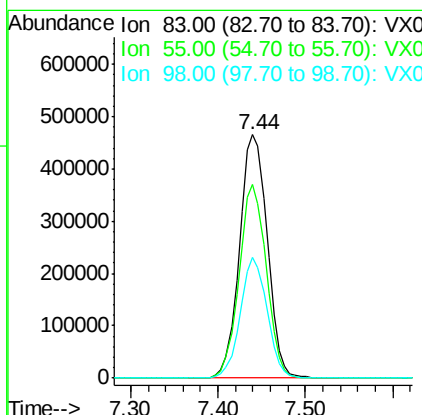
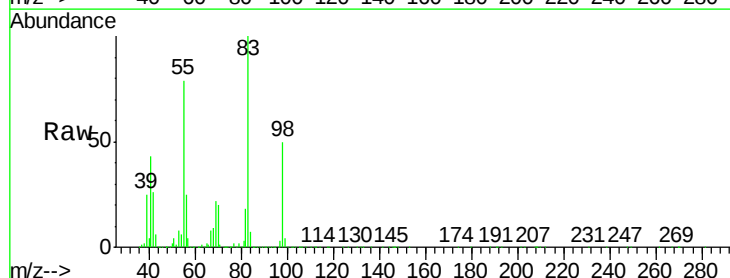
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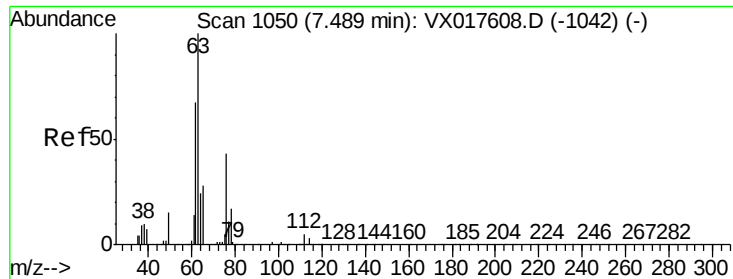
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#38
 Methylcyclohexane
 Concen: 135.999 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Tgt Ion: 83 Resp: 1028012
 Ion Ratio Lower Upper
 83 100
 55 77.6 39.6 118.7
 98 47.7 23.9 71.7





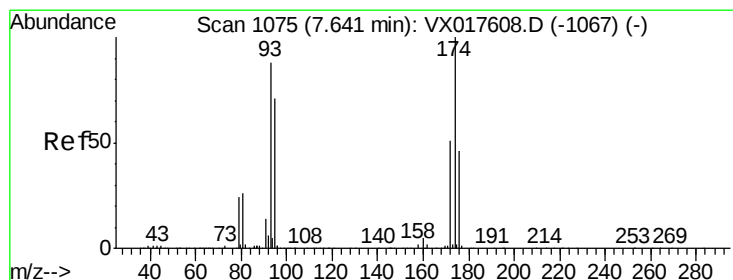
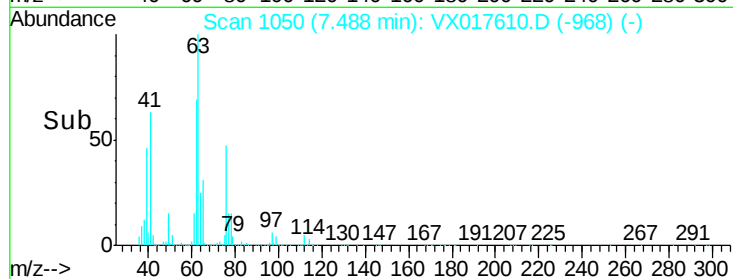
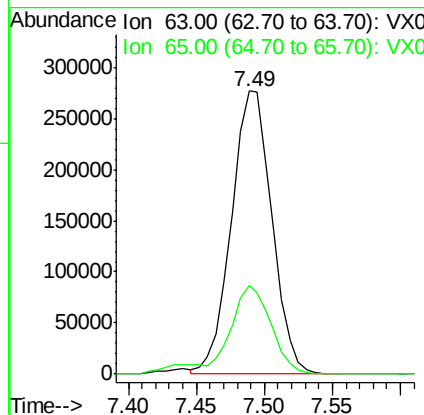
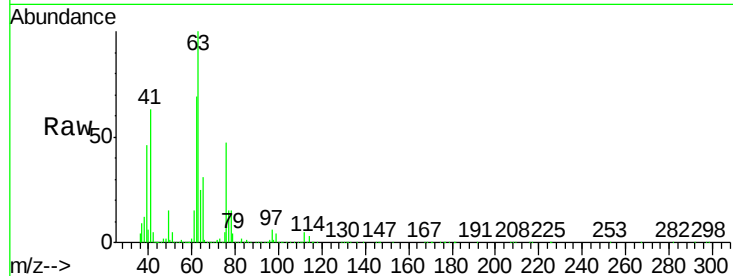
#39
 1,2-Dichloropropane
 Concen: 105.087 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.2	37.8

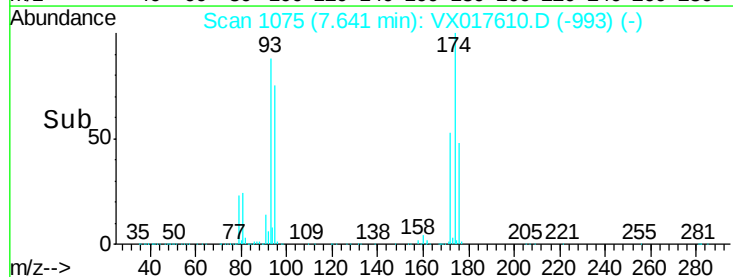
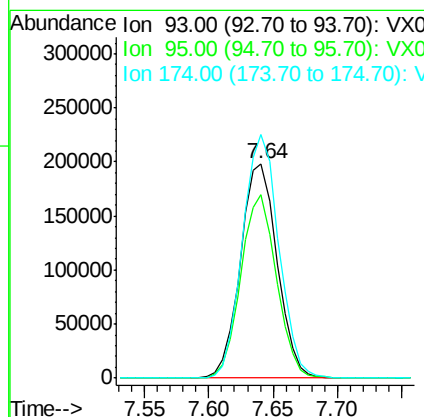
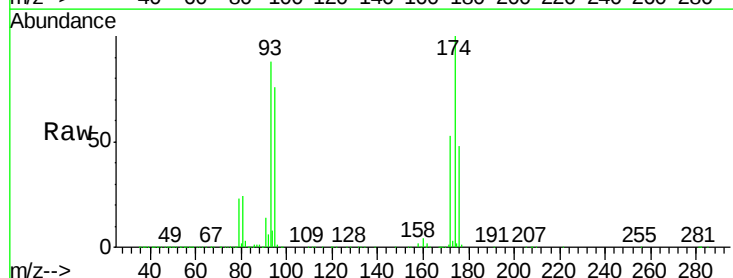
Manual Integrations
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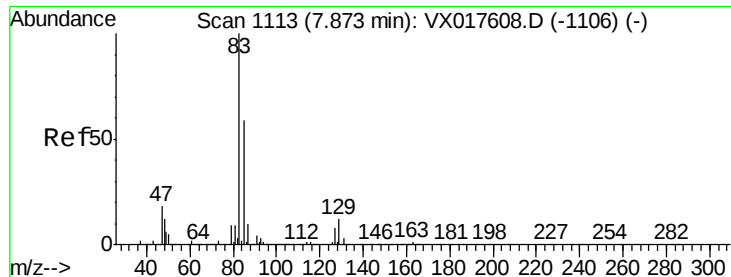
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#40
 Dibromomethane
 Concen: 99.083 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	0.0	163.4
174	112.1	0.0	214.6





#41

Bromodichloromethane

Concen: 116.309 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

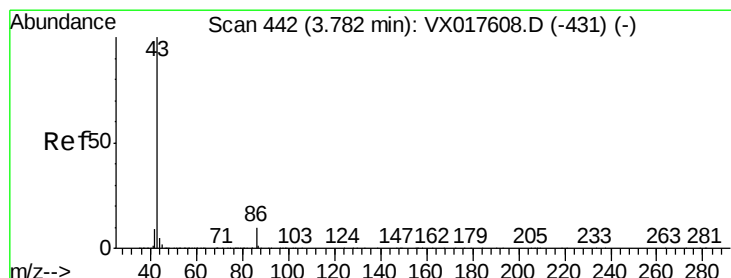
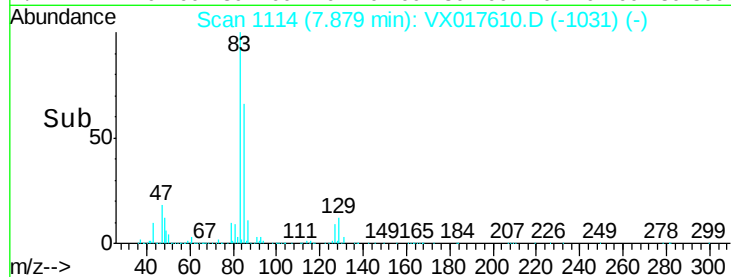
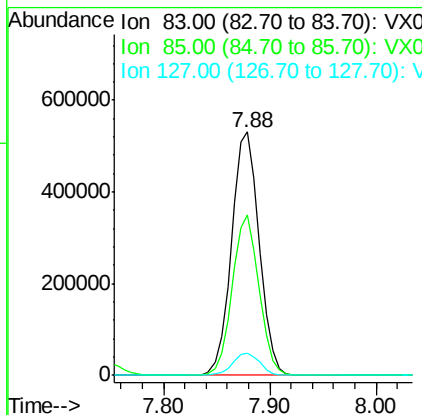
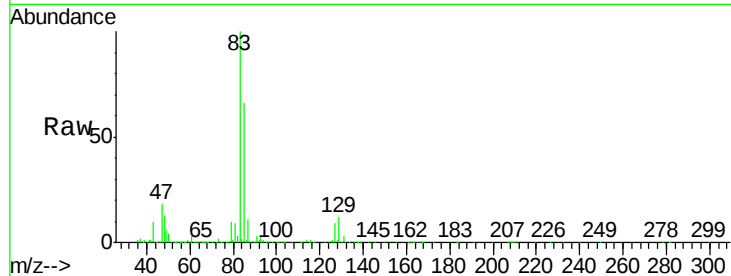
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	966800
Ion Ratio	Lower	Upper	
83	100		
85	66.0	47.4	71.0
127	9.3	6.3	9.5

Manual Integrations
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#42

Vinyl Acetate

Concen: 484.868 ug/l

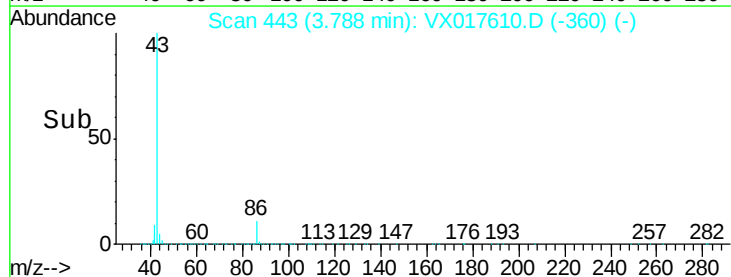
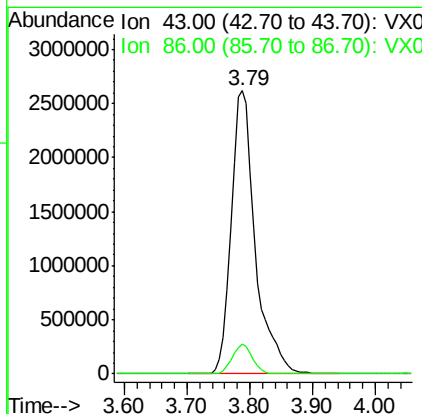
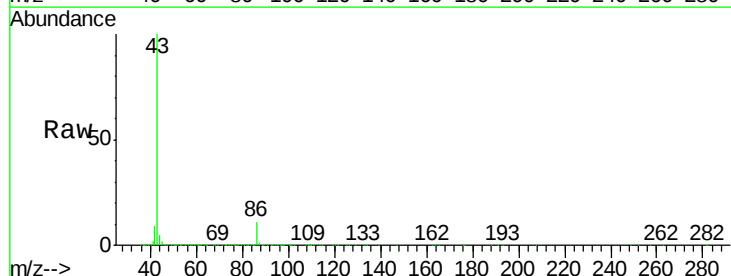
RT: 3.79 min Scan# 443

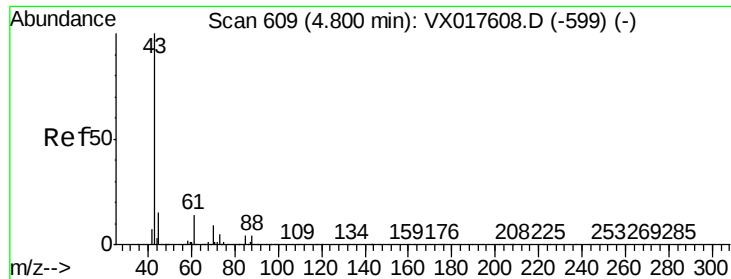
Delta R.T. 0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Tgt Ion:	43	Resp:	6943097
Ion Ratio	Lower	Upper	
43	100		
86	8.9	7.0	10.6





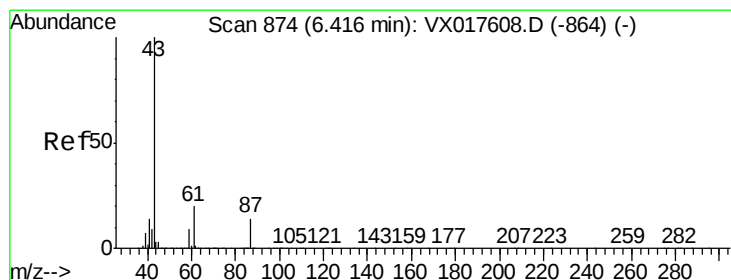
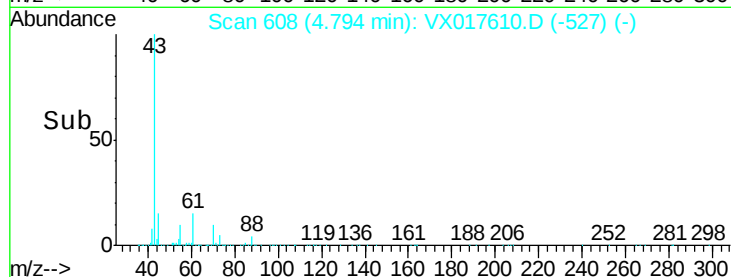
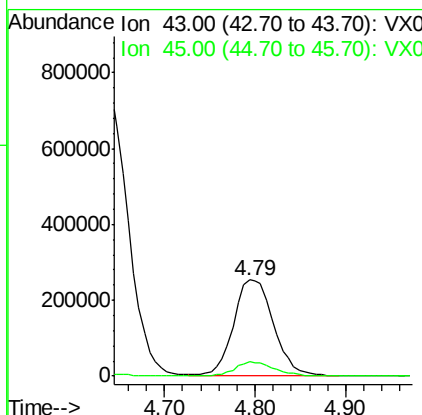
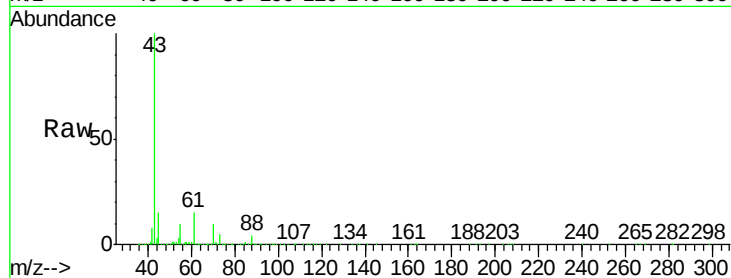
#43
Ethyl Acetate
Concen: 104.326 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.5	11.4	17.2

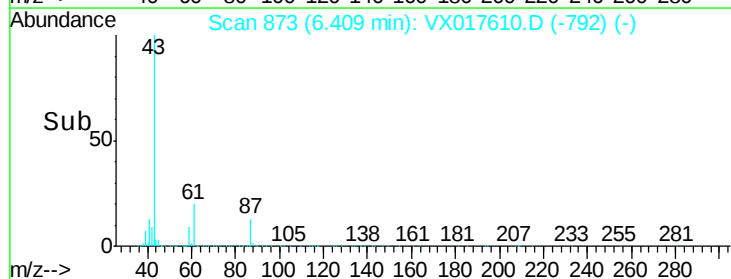
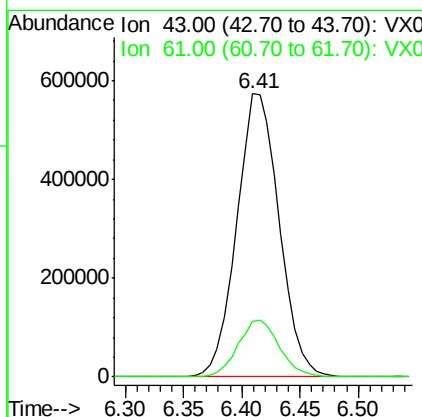
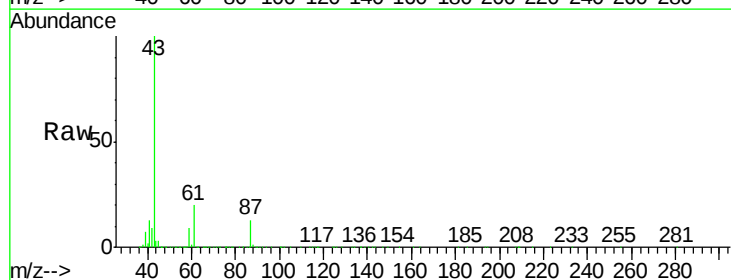
Manual Integrations
APPROVED

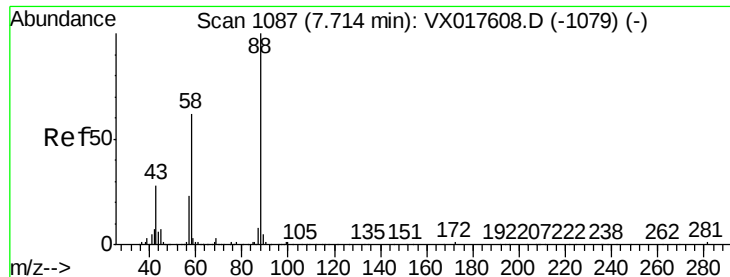
MMDadoda
7/28/2020 10:31:33 AM



#44
Isopropyl Acetate
Concen: 115.873 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.9	23.9





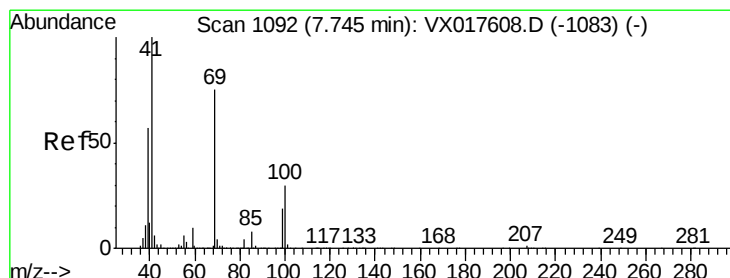
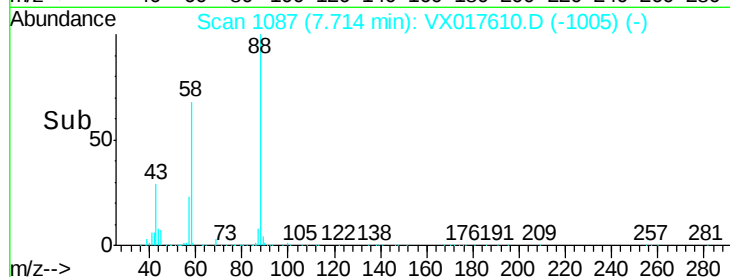
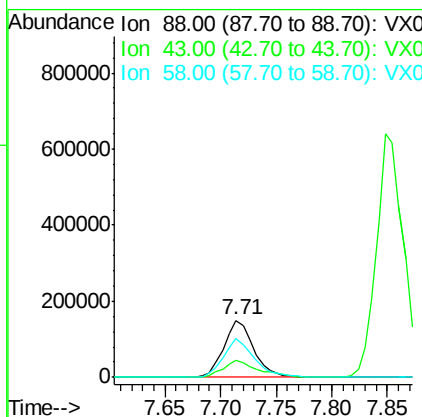
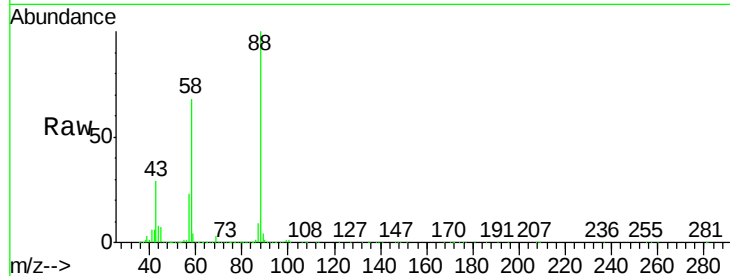
#45
1,4-Dioxane
Concen: 2278.380 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	29.0	43.6
58	69.6	55.6	83.4

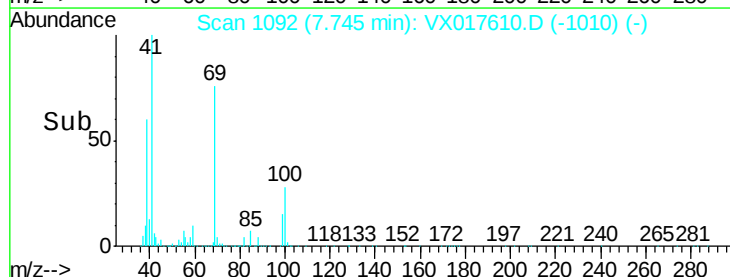
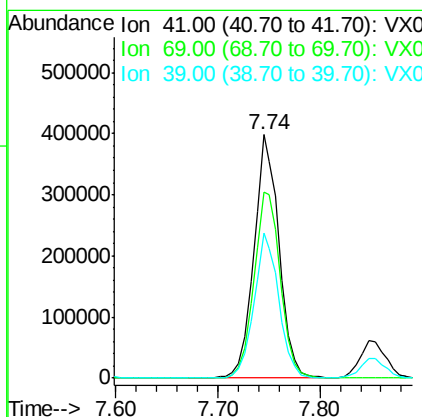
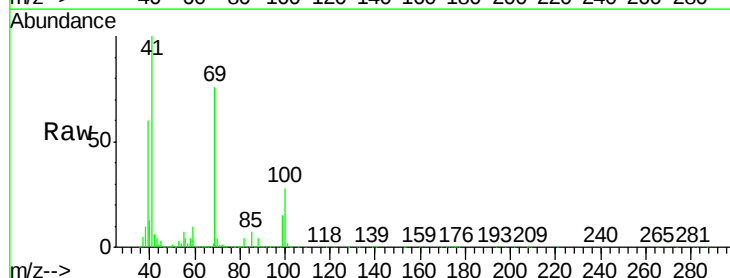
Manual Integrations
APPROVED

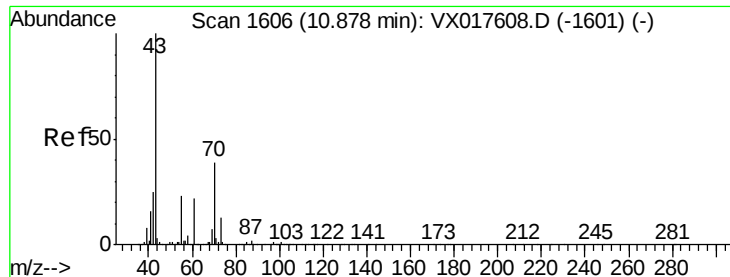
MMDadoda
7/28/2020 10:31:33 AM



#46
Methyl methacrylate
Concen: 112.099 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.2	37.4	112.1
39	59.5	28.7	86.1





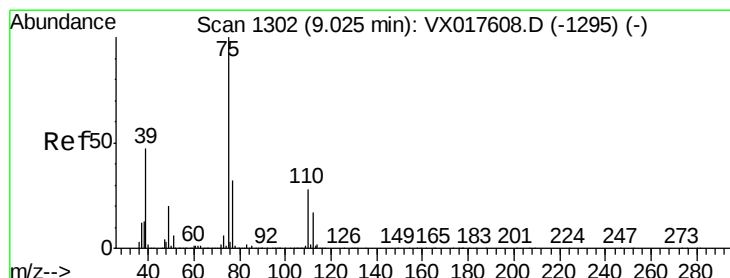
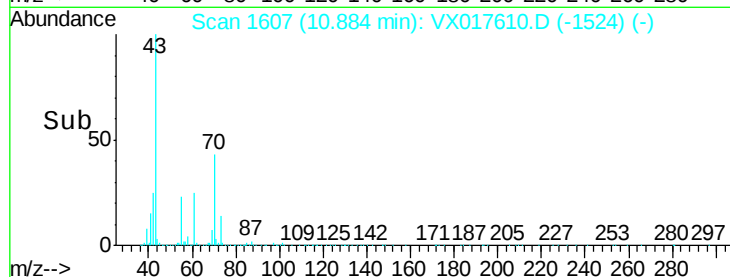
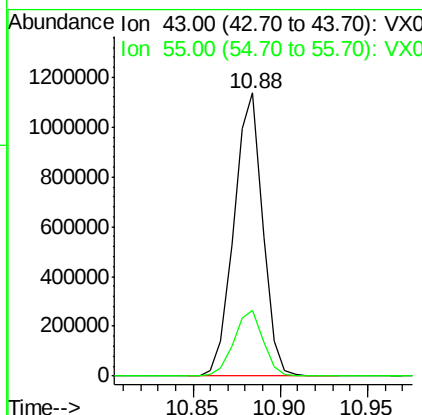
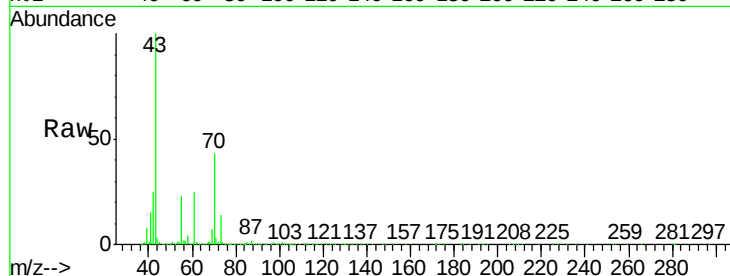
#47
n-amvl Acetate
Concen: 117.150 ug/l
RT: 10.88 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1294957
Ion Ratio Lower Upper
43 100
55 23.6 19.5 29.3

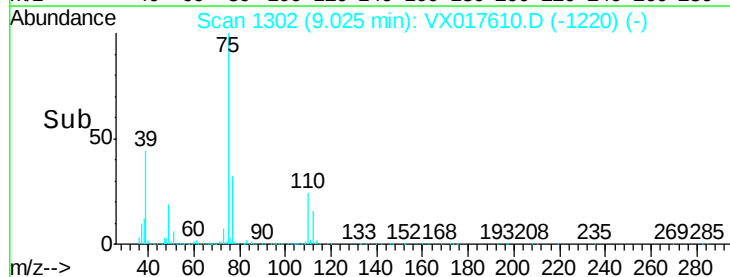
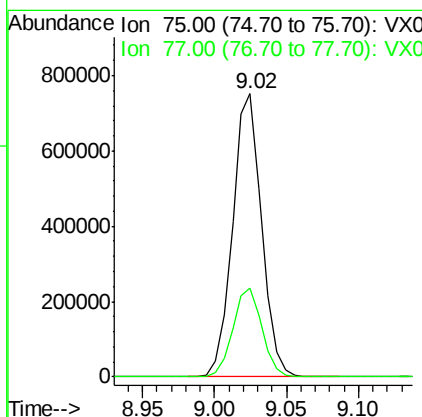
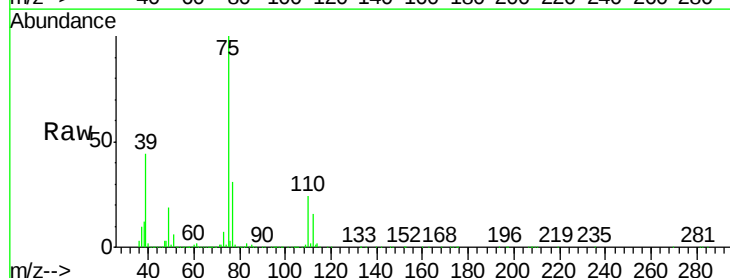
Manual Integrations
APPROVED

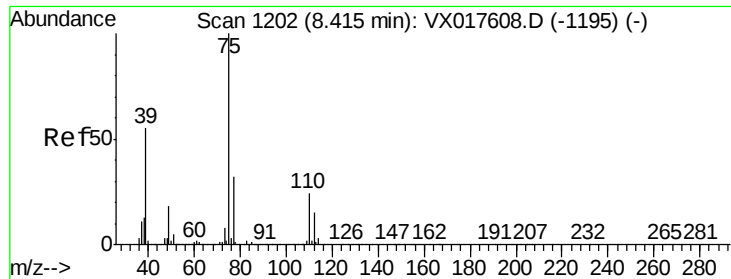
MMDadoda
7/28/2020 10:31:33 AM



#48
t-1,3-Dichloropropene
Concen: 114.093 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion: 75 Resp: 1053769
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4





#49

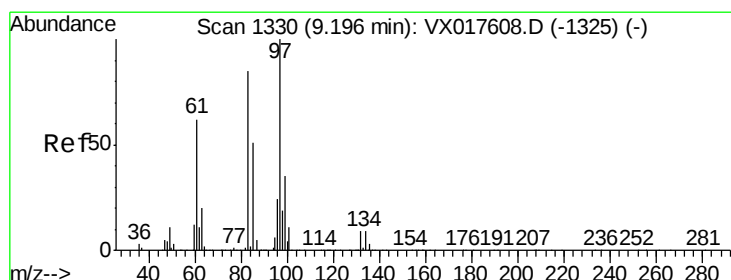
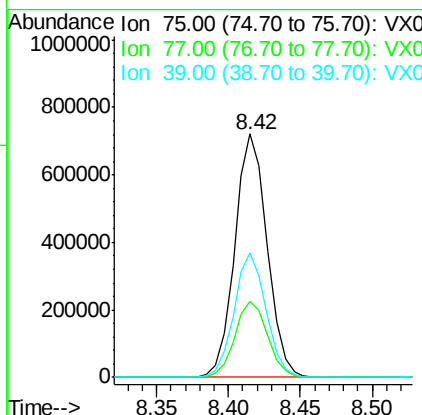
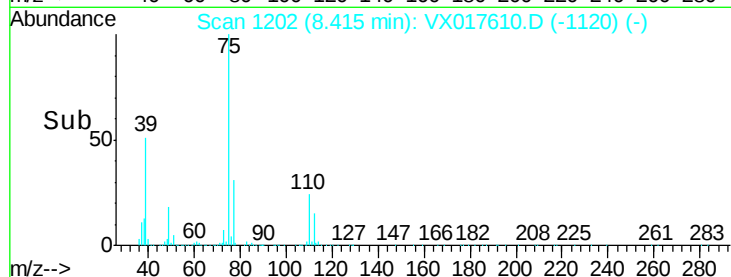
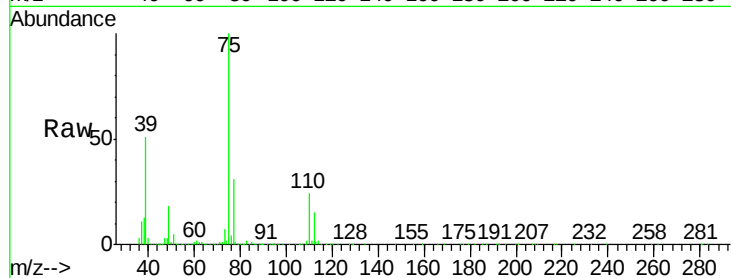
cis-1,3-Dichloropropene
Concen: 115.777 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	51.2	43.6	65.4

Manual Integrations
APPROVED

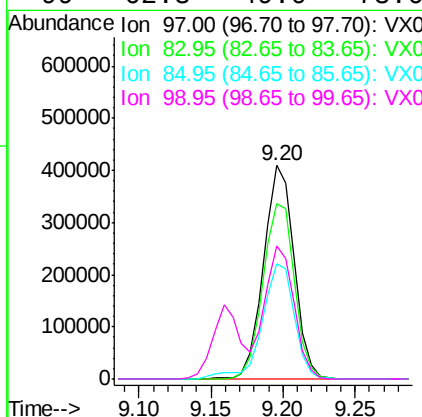
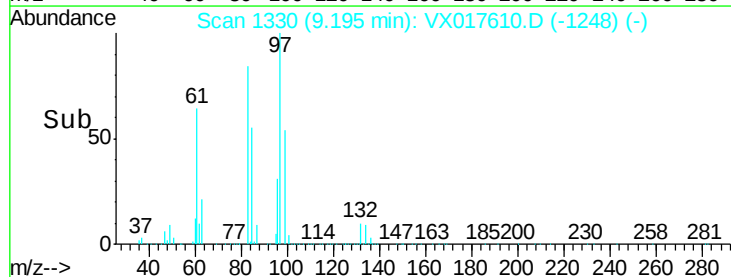
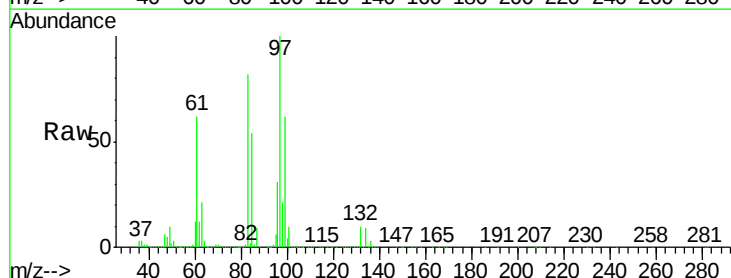
MMDadoda
7/28/2020 10:31:33 AM

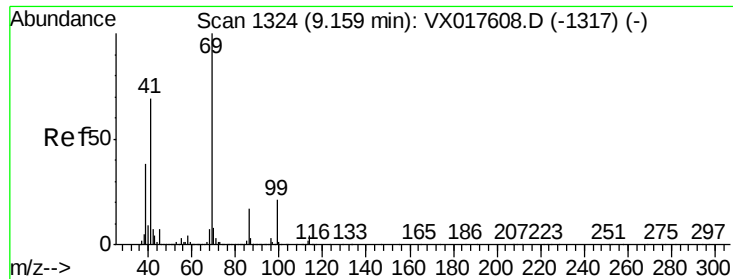


#50

1,1,2-Trichloroethane
Concen: 103.586 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.2	102.2
85	54.2	42.6	64.0
99	62.3	49.0	73.6





#51

Ethyl methacrylate

Concen: 106.430 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

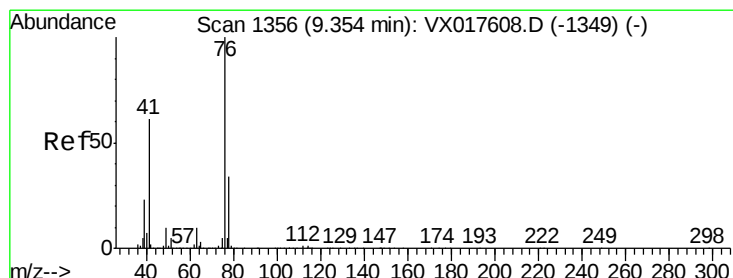
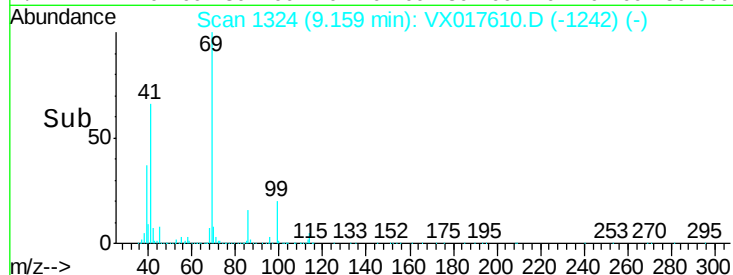
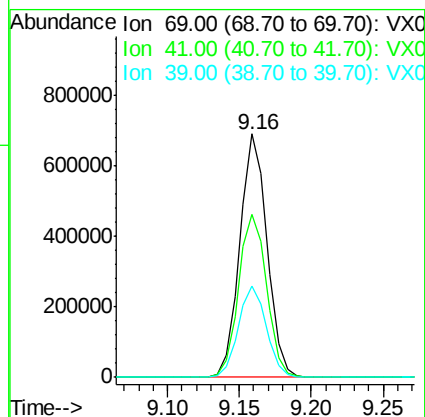
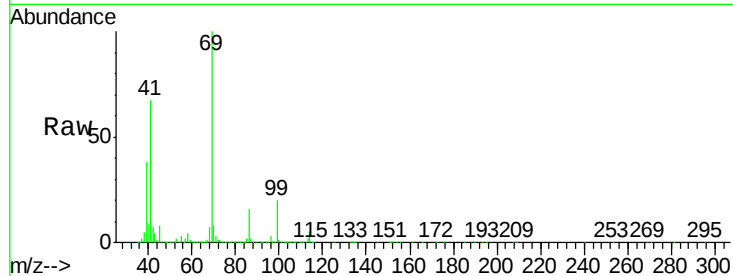
ClientSampleId :

VSTDICC100

Tot Ion:	69	Resp:	911587
Ion Ratio	Lower	Upper	
69	100		
41	66.9	34.4	103.2
39	37.5	19.1	57.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 103.838 ug/l

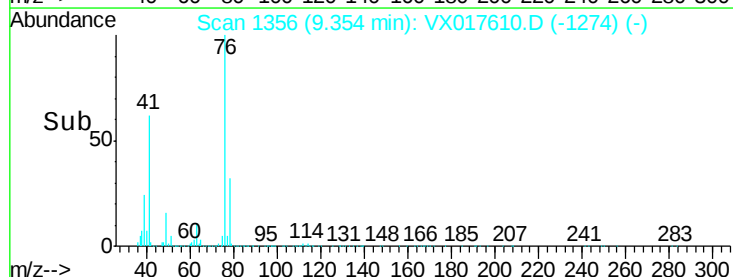
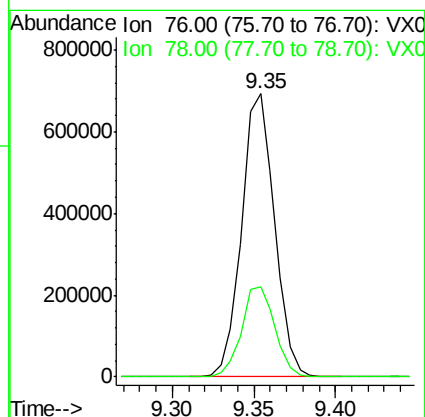
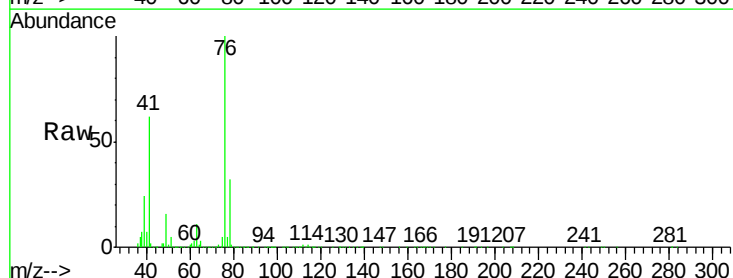
RT: 9.35 min Scan# 1356

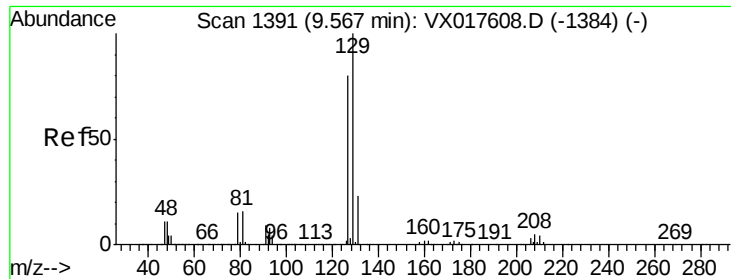
Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Tgt Ion:	76	Resp:	973942
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	65.4





#53

Dibromochloromethane

Concen: 113.160 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 795174

Ion Ratio Lower Upper

129 100

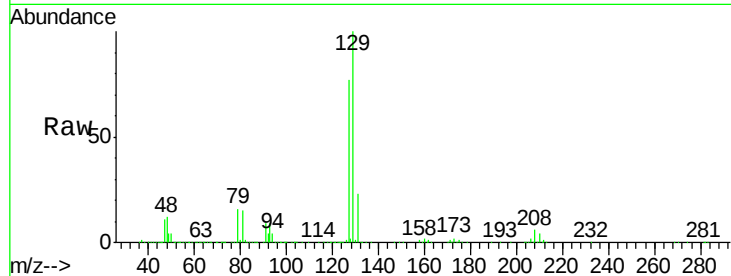
127 77.3 39.7 119.1

Manual Integrations

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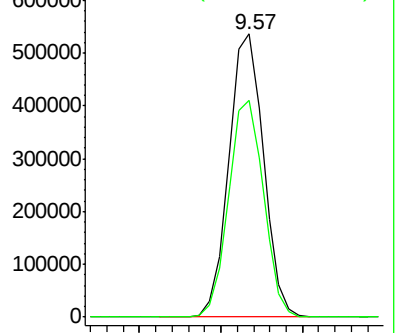
MMDadoda

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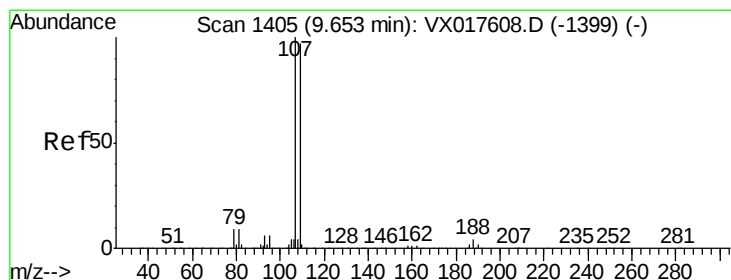
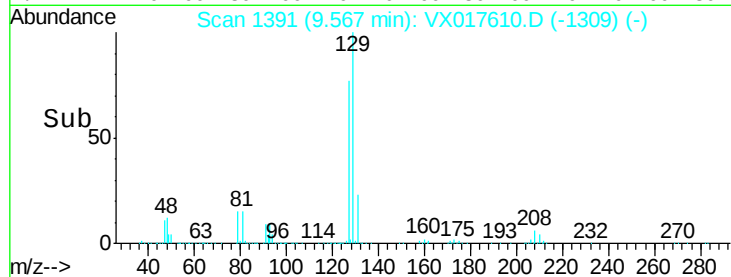


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#54

1,2-Dibromoethane

Concen: 101.785 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017610.D

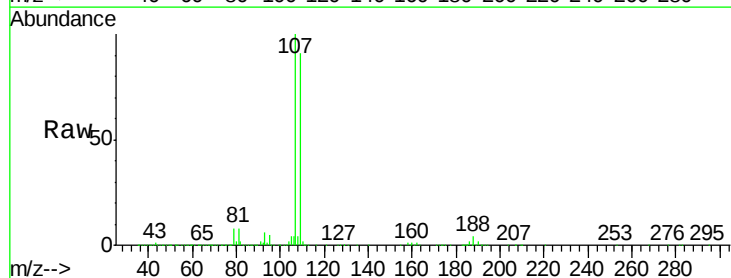
Acq: 27 Jul 2020 10:31

Tgt Ion:107 Resp: 628512

Ion Ratio Lower Upper

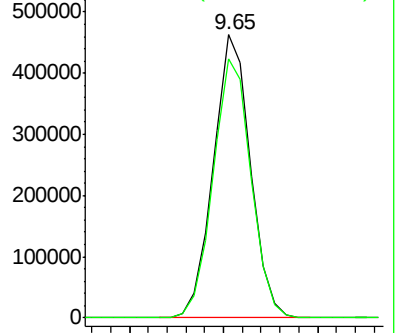
107 100

109 93.9 75.6 113.4

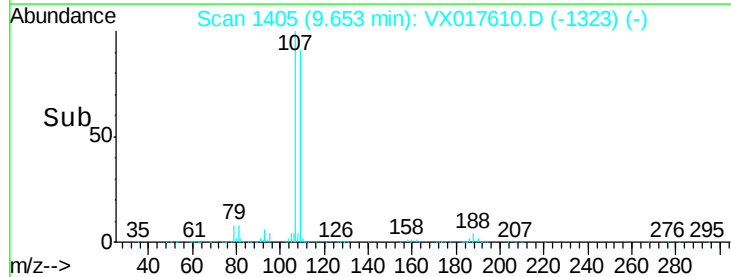


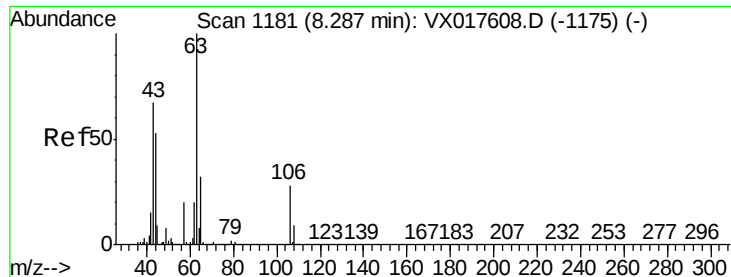
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





#55

2-Chloroethyl vinyl ether

Concen: 665.006 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 2676673

Ion Ratio Lower Upper

63 100

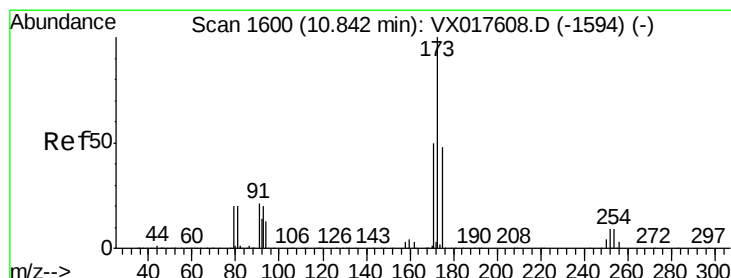
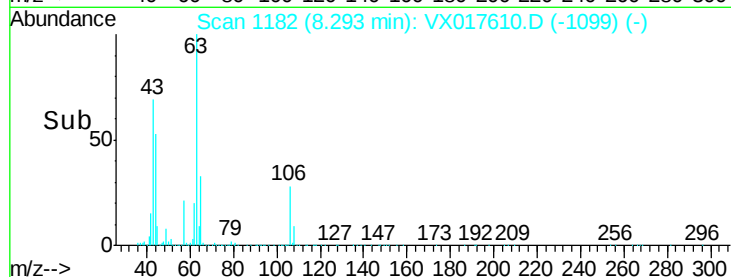
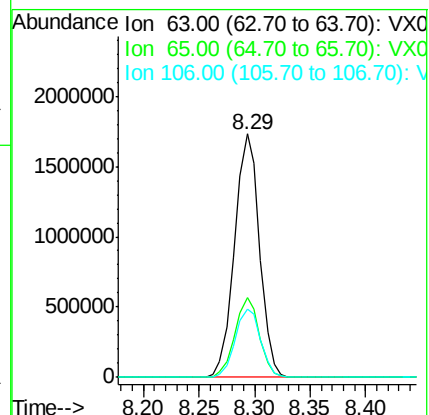
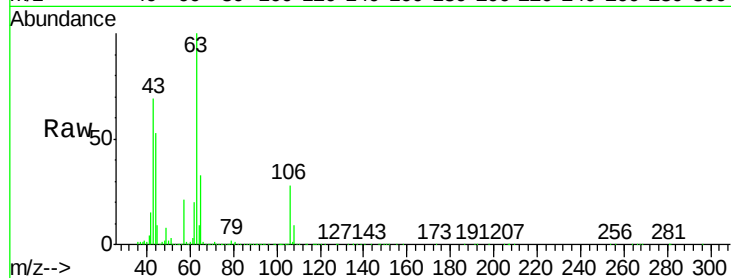
65 32.2 25.5 38.3

106 28.8 22.9 34.3

Manual Integrations
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#56

Bromoform

Concen: 105.596 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

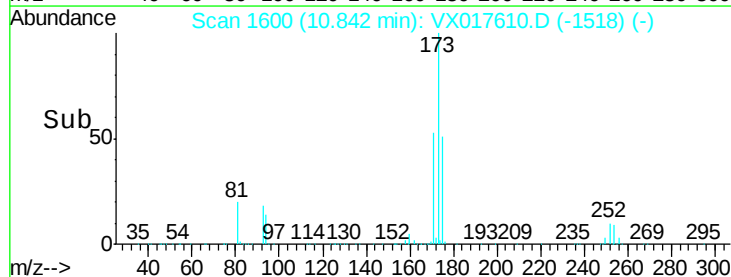
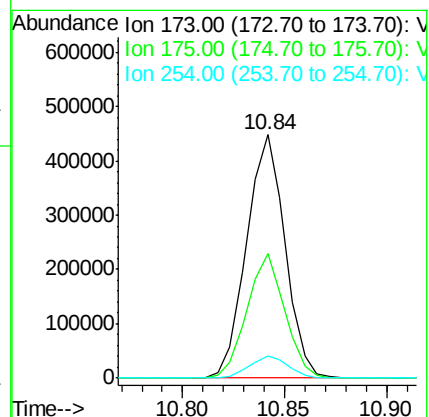
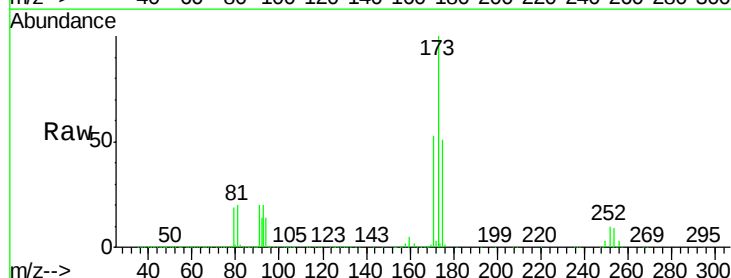
Tgt Ion: 173 Resp: 585308

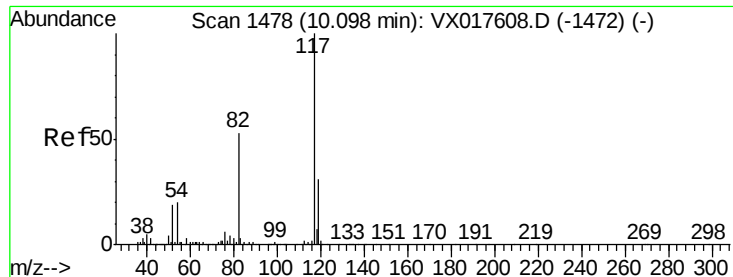
Ion Ratio Lower Upper

173 100

175 50.4 38.2 57.4

254 9.4 7.4 11.2





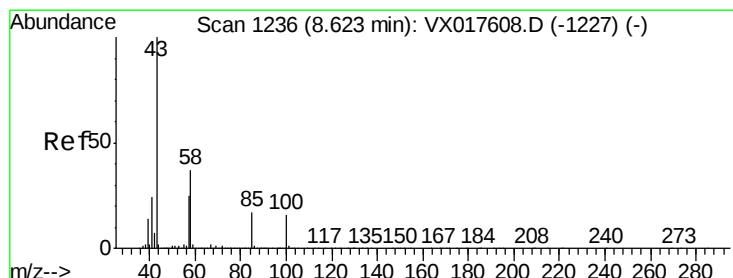
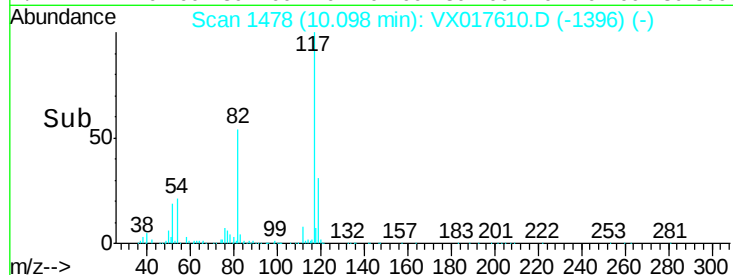
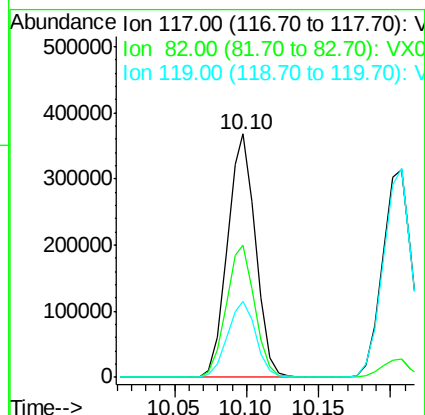
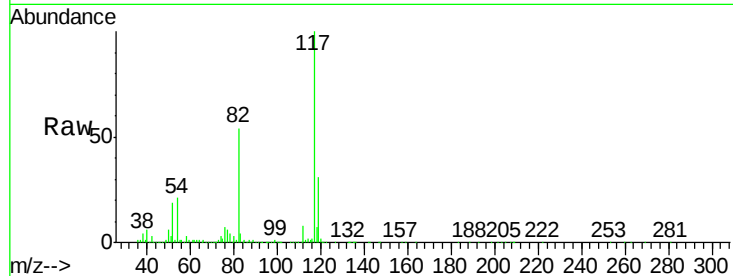
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.6	65.4
119	31.6	25.7	38.5

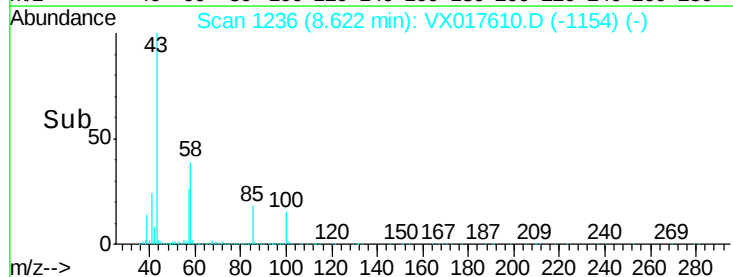
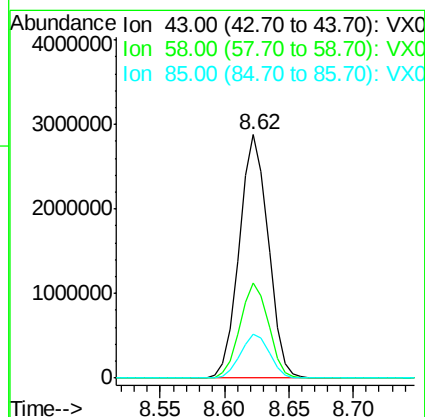
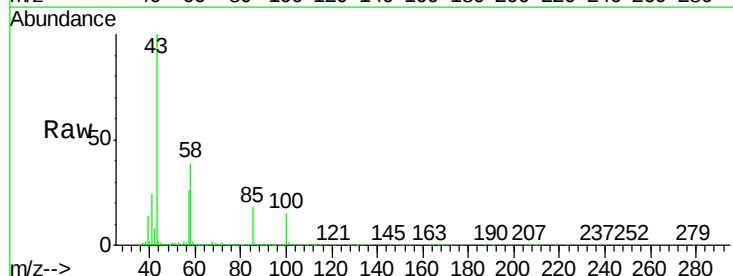
Manual Integrations
APPROVED

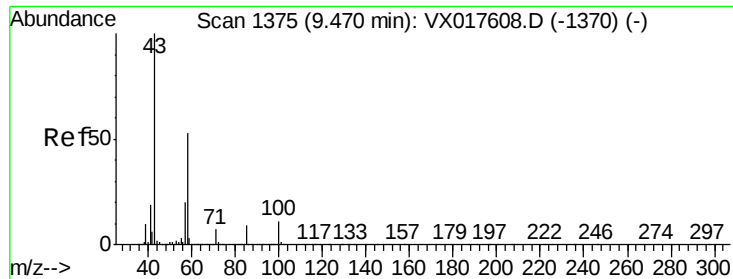
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#58
4-Methyl-2-Pentanone
Concen: 524.122 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.5	45.7
85	18.3	14.2	21.2





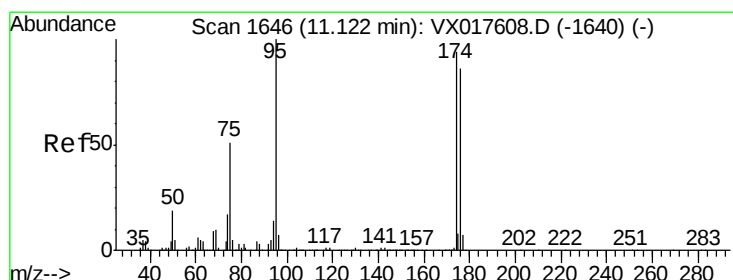
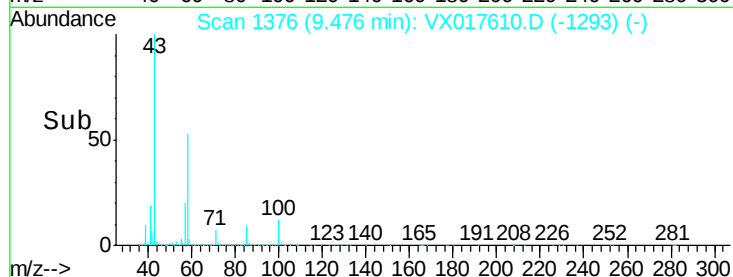
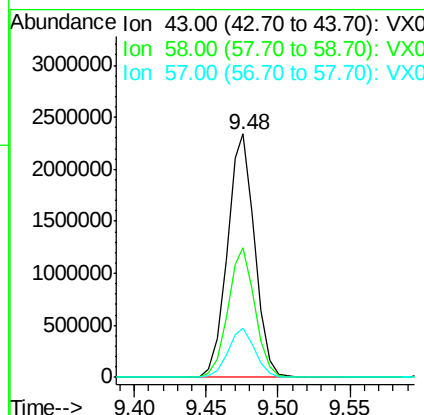
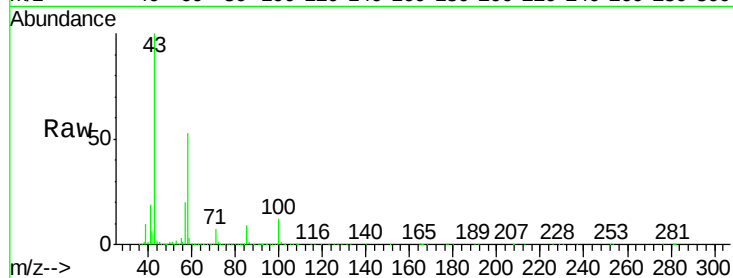
#59
2-Hexanone
Concen: 497.029 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3101821
Ion Ratio Lower Upper
43 100
58 52.5 42.9 64.3
57 19.7 16.1 24.1

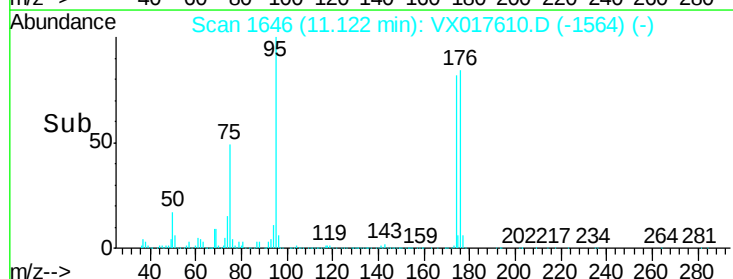
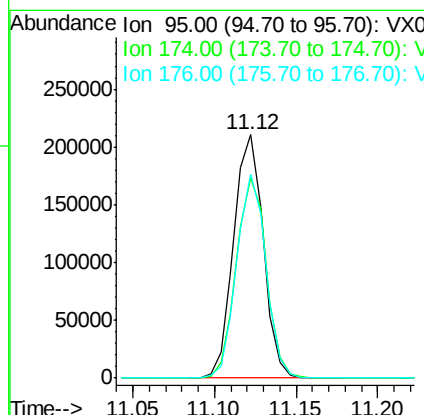
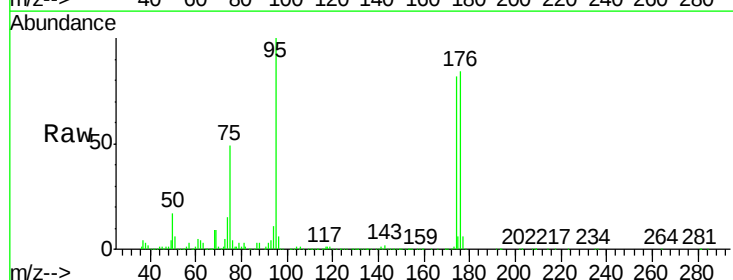
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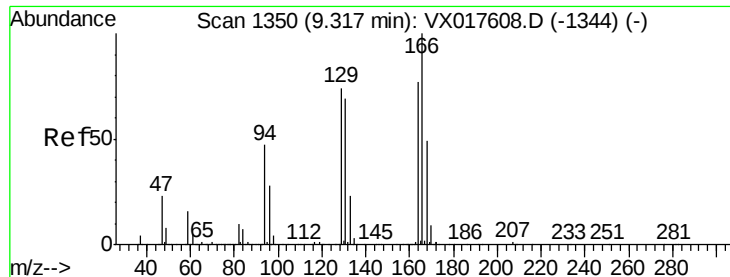
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#60
4-Bromofluorobenzene
Concen: 30.650 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion: 95 Resp: 266075
Ion Ratio Lower Upper
95 100
174 83.7 70.2 105.2
176 82.4 65.6 98.4





#61

Tetrachloroethene

Concen: 95.364 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 636182

Ion Ratio Lower Upper

164 100

166 122.7 104.4 156.6

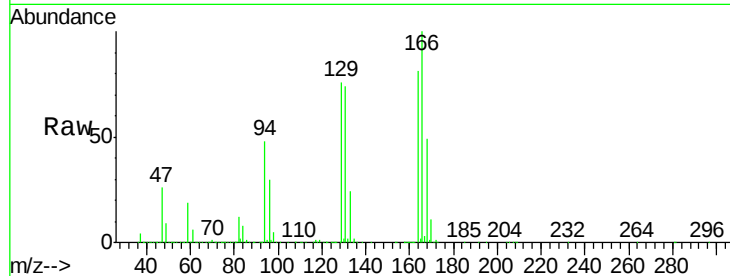
129 93.8 77.0 115.4

131 90.3 72.3 108.5

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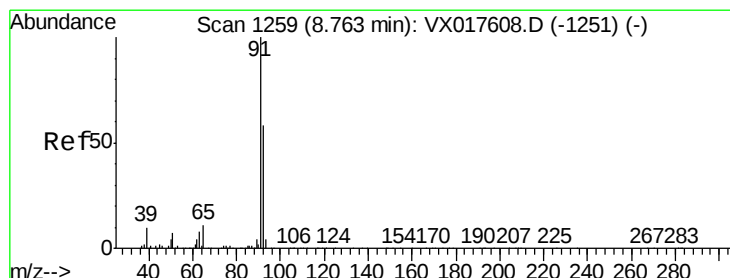
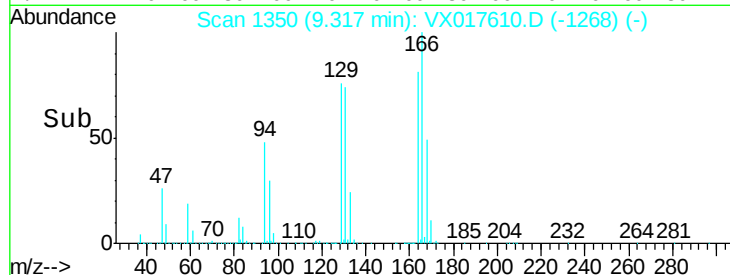
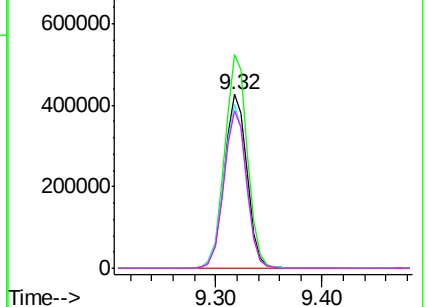


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 98.151 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017610.D

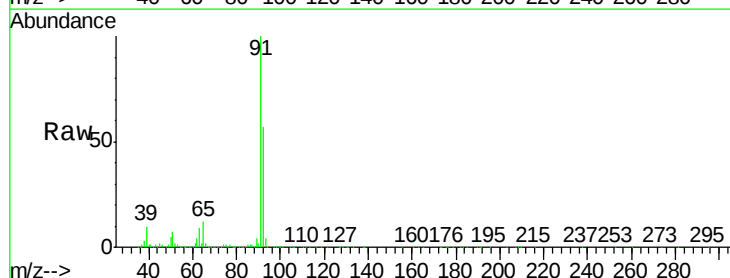
Acq: 27 Jul 2020 10:31

Tgt Ion: 91 Resp: 2461841

Ion Ratio Lower Upper

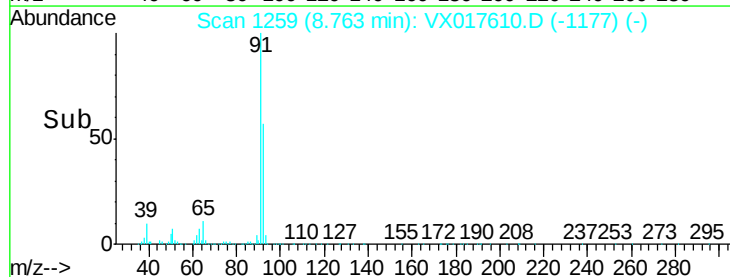
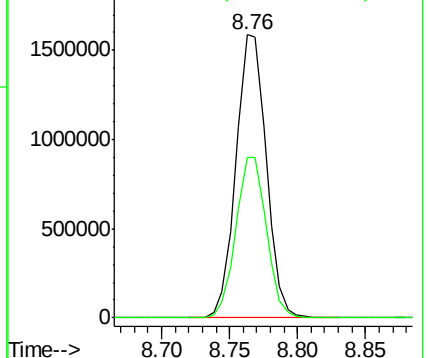
91 100

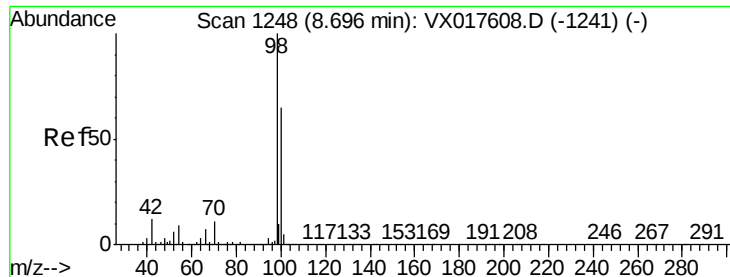
92 57.4 46.9 70.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





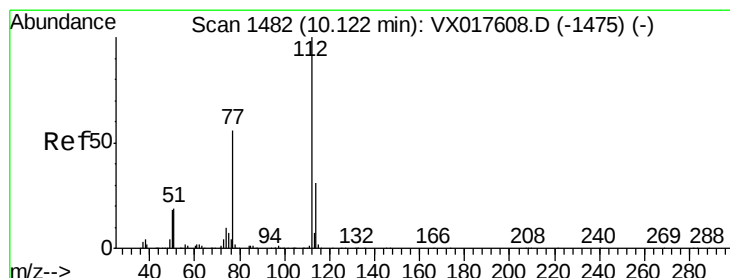
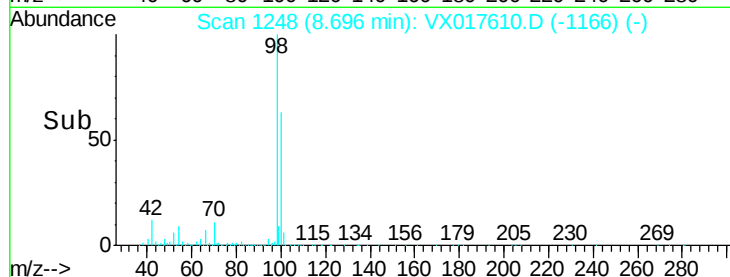
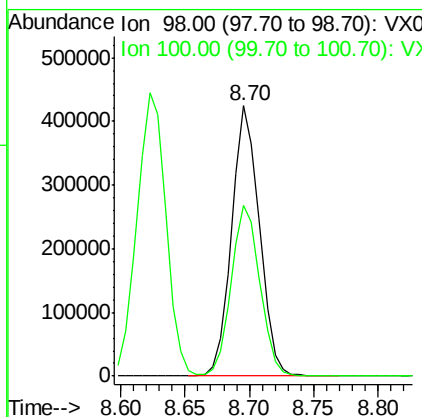
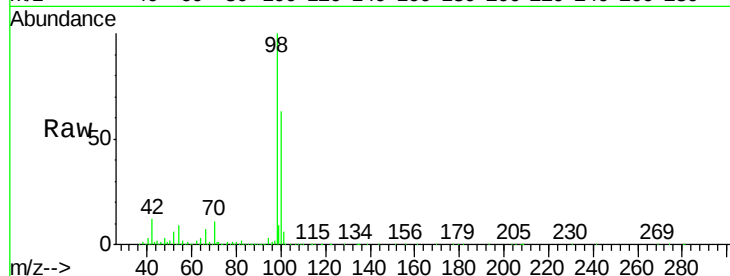
#63
Toluene-d8
Concen: 29.137 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 639983
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

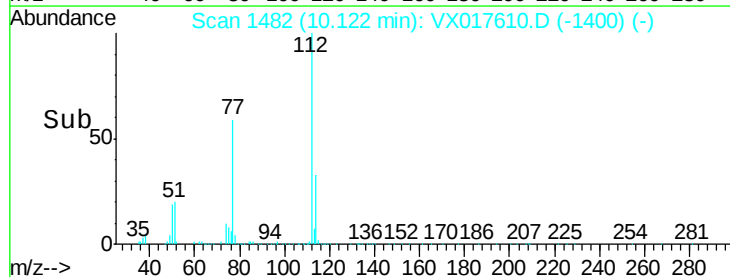
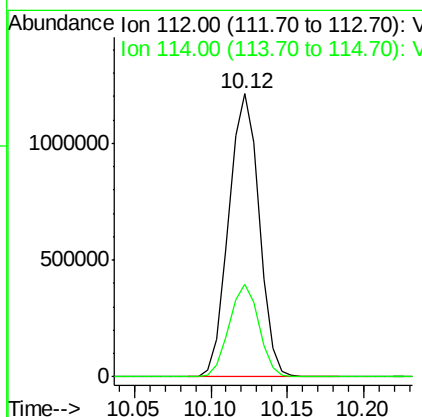
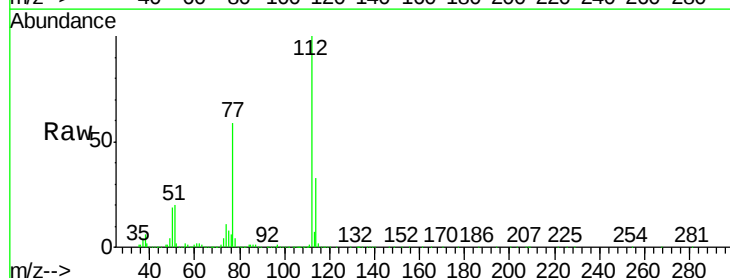
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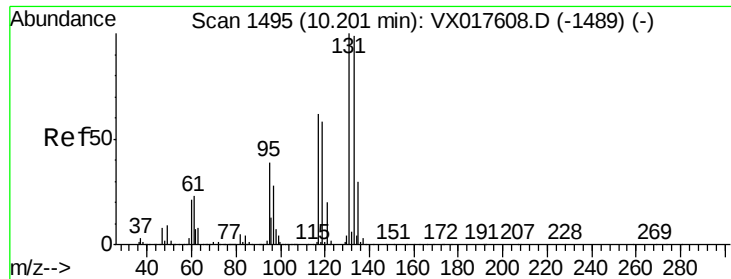
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#64
Chlorobenzene
Concen: 102.482 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion: 112 Resp: 1664972
Ion Ratio Lower Upper
112 100
114 32.5 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 103.258 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

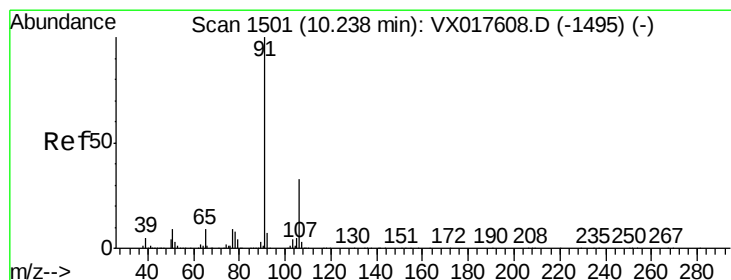
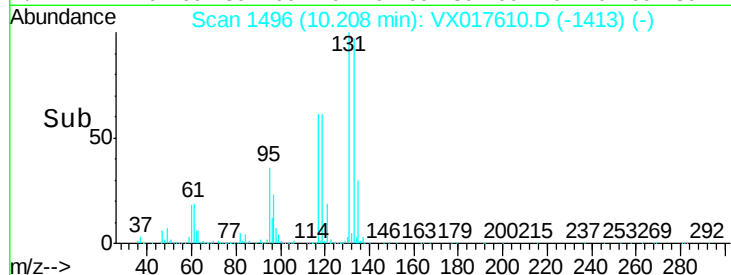
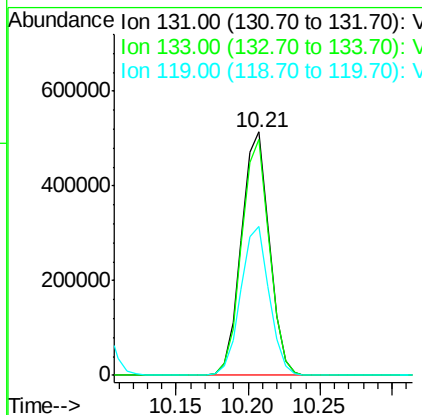
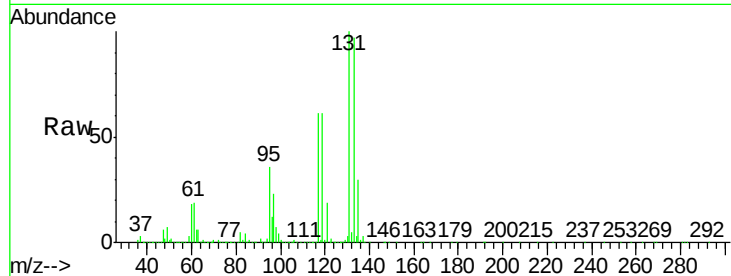
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	694943
Ion Ratio	Lower	Upper	
131	100		
133	95.9	0.0	189.8
119	61.8	0.0	119.6

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#66

Ethyl Benzene

Concen: 100.496 ug/l

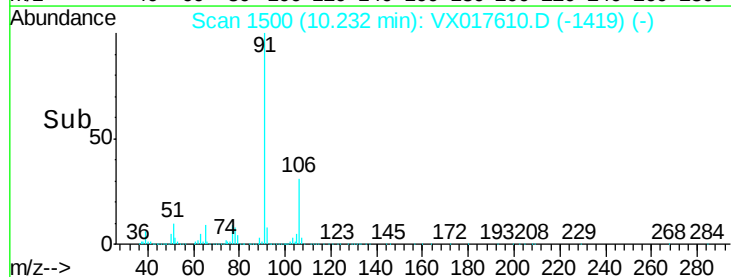
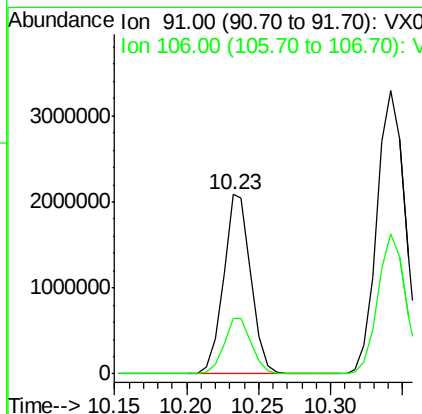
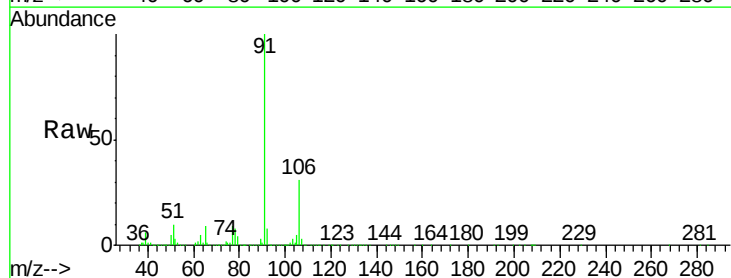
RT: 10.23 min Scan# 1500

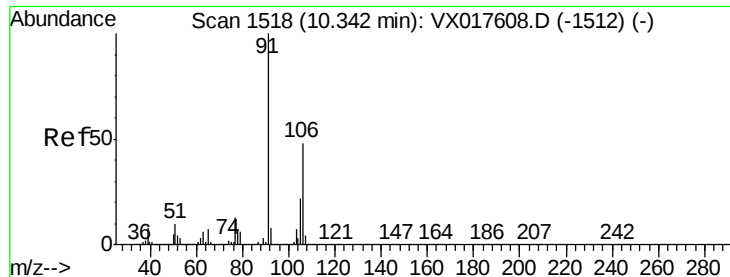
Delta R.T. -0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Tgt Ion:	91	Resp:	2771648
Ion Ratio	Lower	Upper	
91	100		
106	31.1	26.2	39.2





#67

m/p-Xylenes

Concen: 201.150 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 2128536

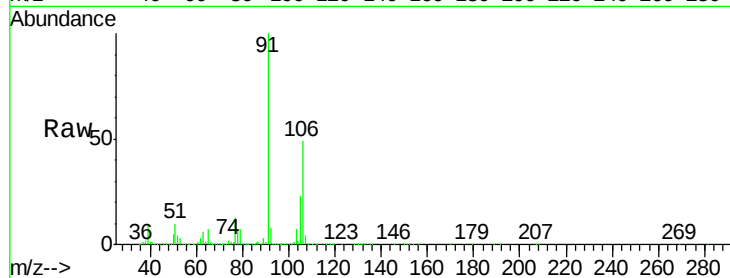
Ion Ratio Lower Upper

106 100

91 207.5 166.6 249.8

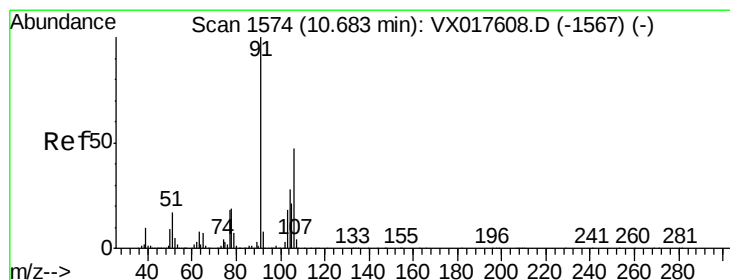
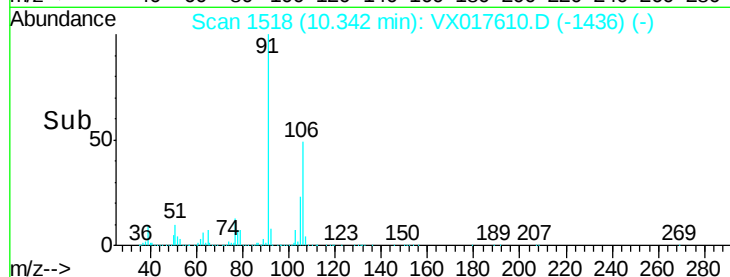
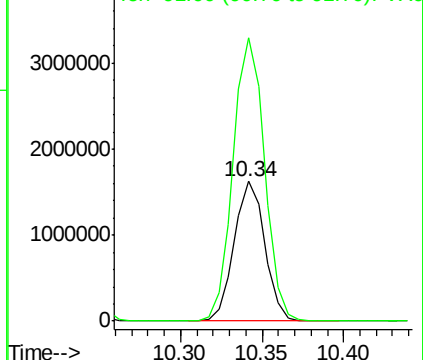
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 104.554 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017610.D

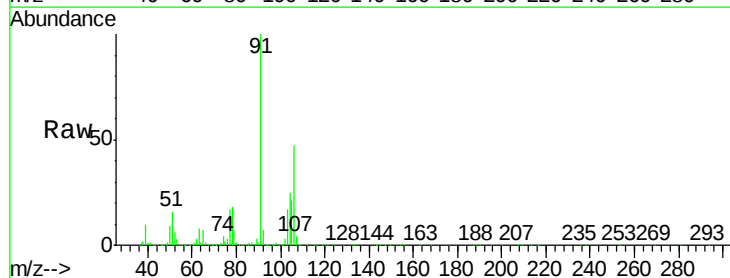
Acq: 27 Jul 2020 10:31

Tgt Ion:106 Resp: 1064528

Ion Ratio Lower Upper

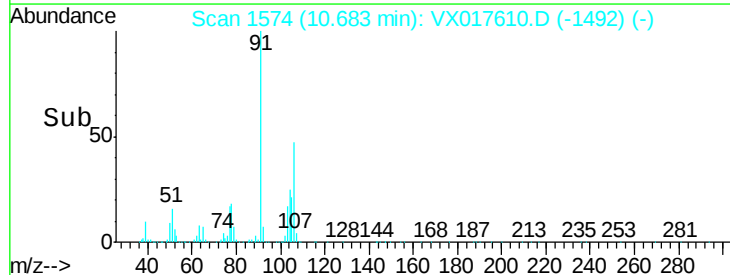
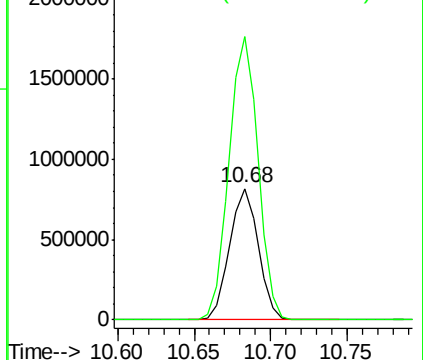
106 100

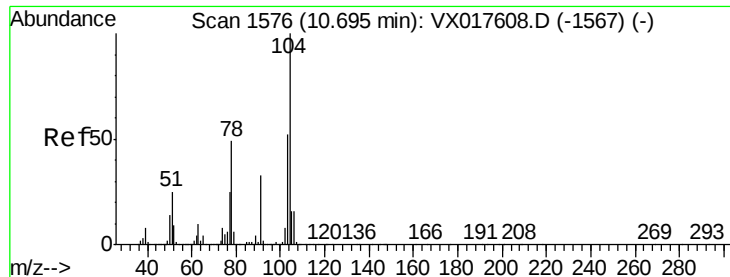
91 217.5 105.8 317.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





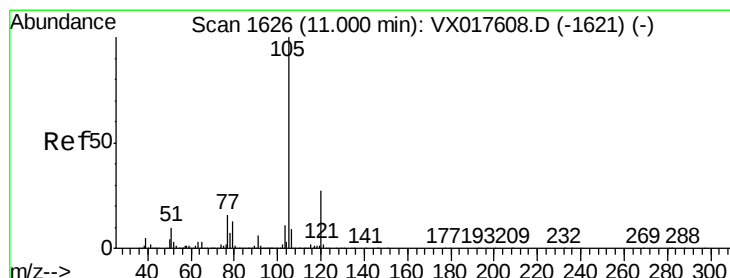
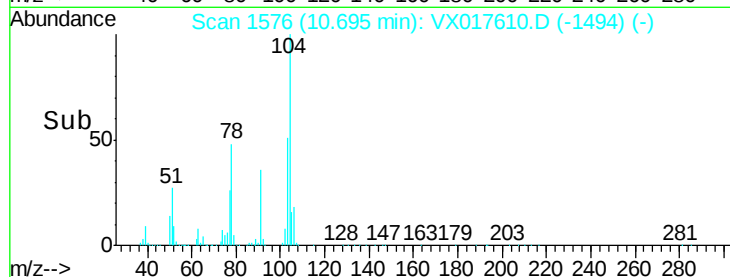
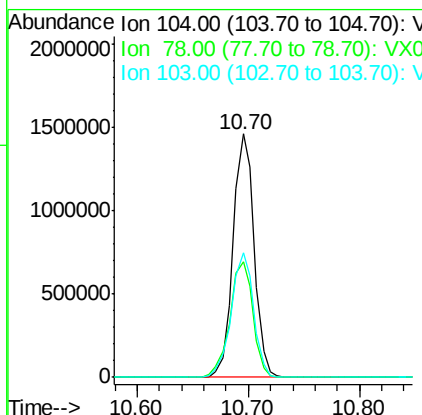
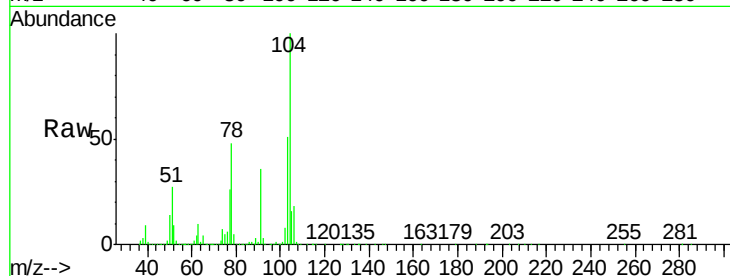
#69
Stvrene
Concen: 105.765 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.7	62.5
103	54.6	43.4	65.2

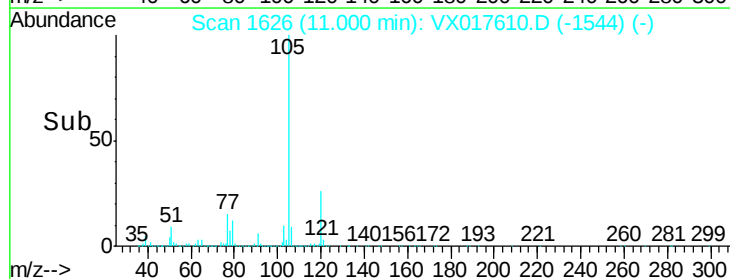
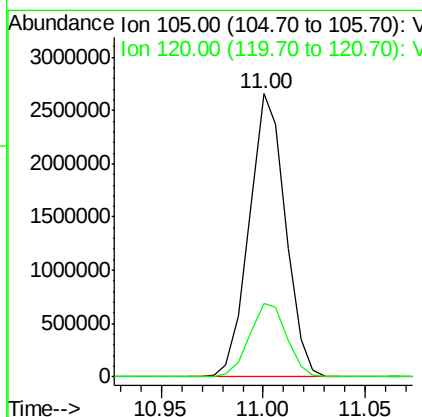
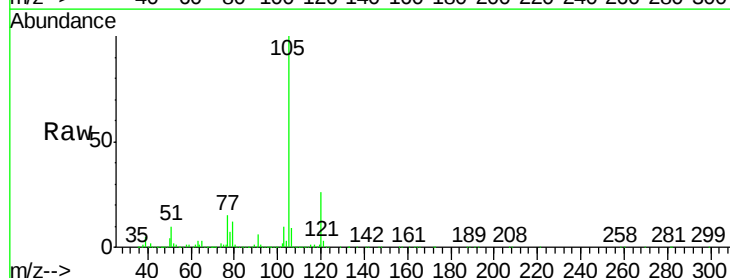
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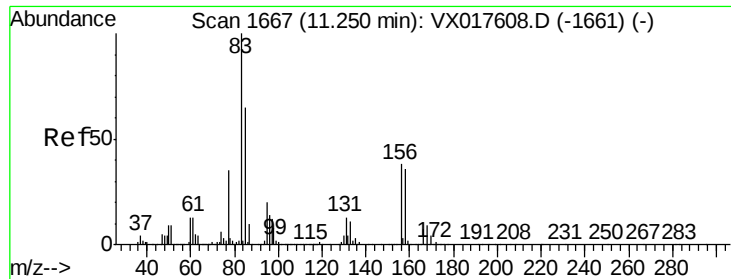
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#70
Isopropylbenzene
Concen: 115.043 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.7	34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 99.317 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 863593

Ion Ratio Lower Upper

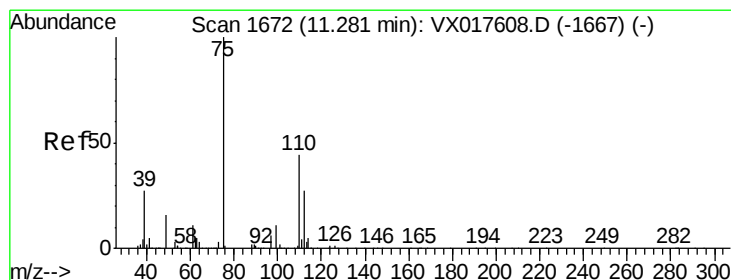
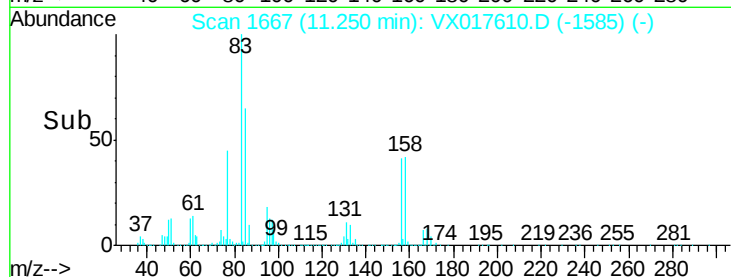
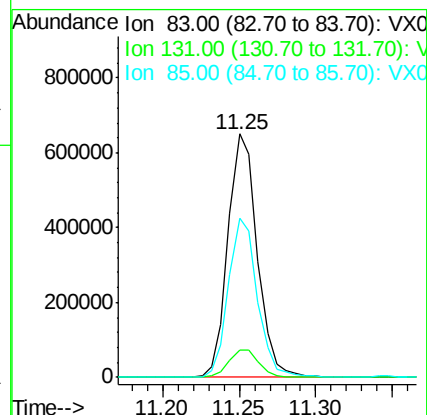
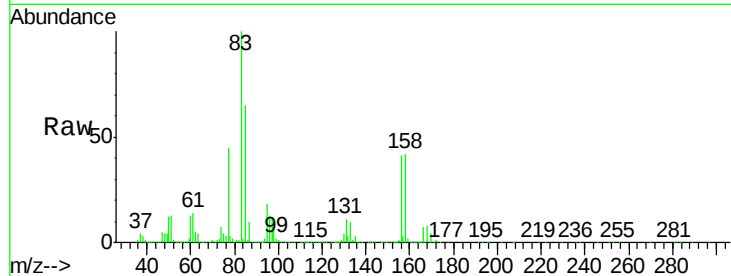
83 100

131 11.7 5.9 17.8

85 64.8 32.7 98.1

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#72

1,2,3-Trichloropropane

Concen: 100.495 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX017610.D

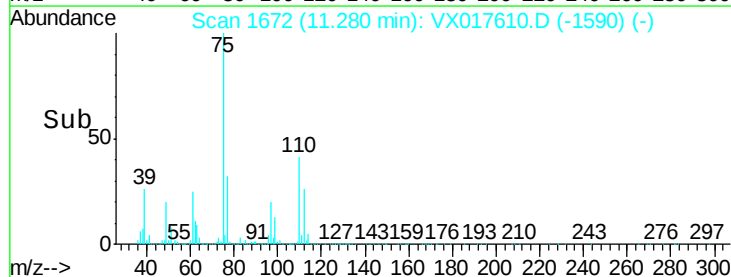
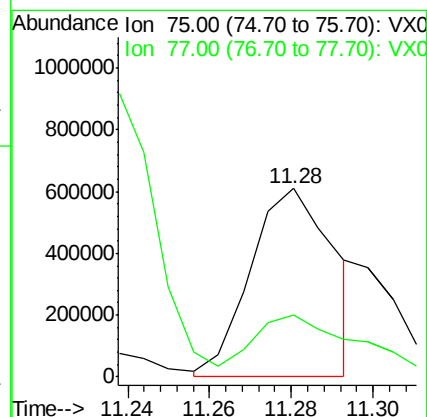
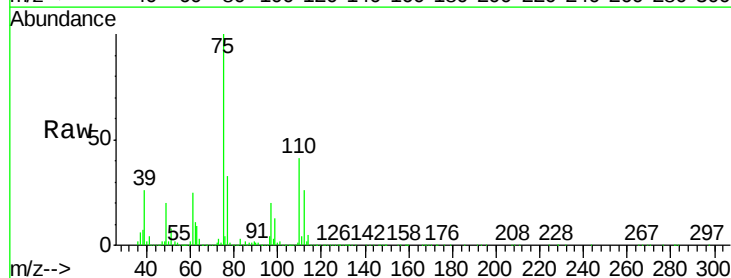
Acq: 27 Jul 2020 10:31

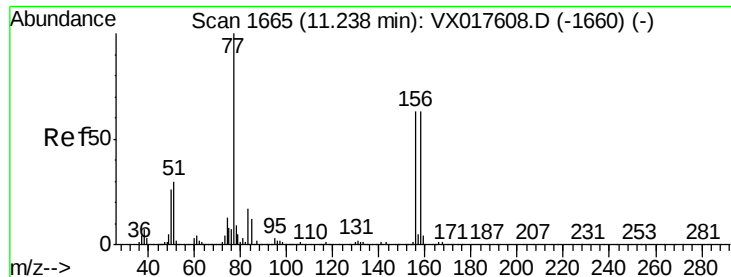
Tgt Ion: 75 Resp: 861754

Ion Ratio Lower Upper

75 100

77 41.7 0.0 73.2





#73

Bromobenzene

Concen: 101.845 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

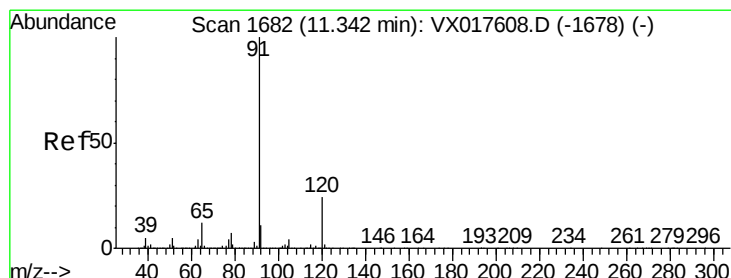
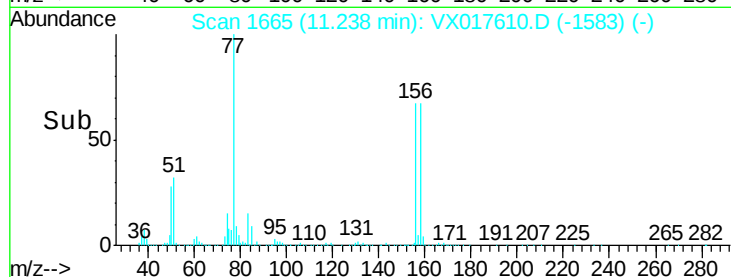
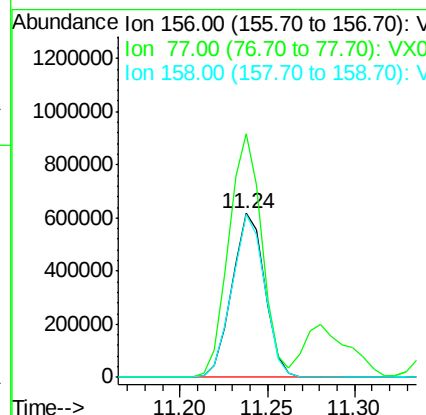
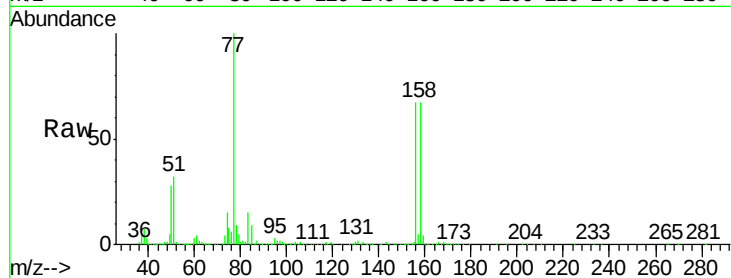
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	809164
Ion Ratio	Lower	Upper	
156	100		
77	149.4	0.0	302.0
158	97.9	0.0	199.6

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#74

n-propylbenzene

Concen: 106.684 ug/l

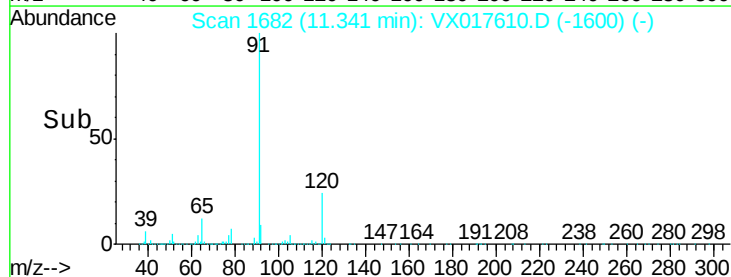
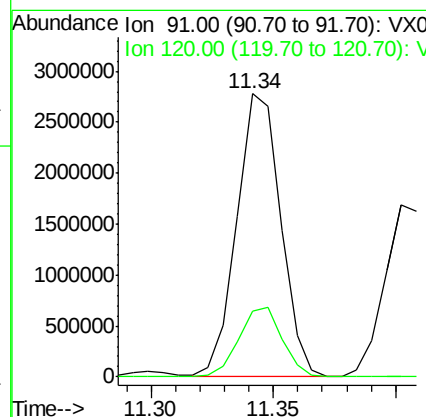
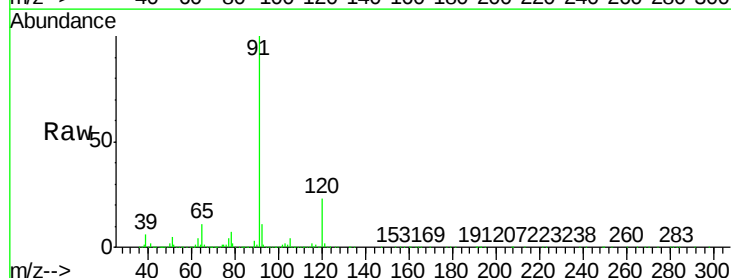
RT: 11.34 min Scan# 1682

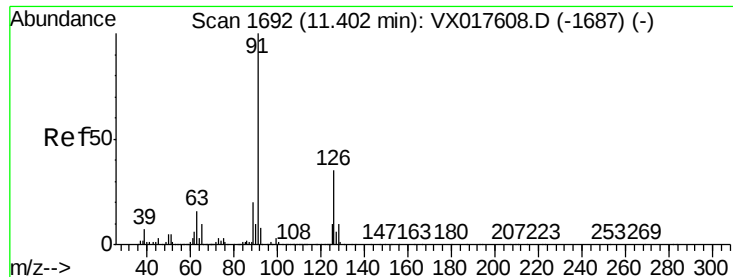
Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Tgt Ion:	91	Resp:	3480329
Ion Ratio	Lower	Upper	
91	100		
120	24.1	0.0	48.0





#75

2-Chlorotoluene

Concen: 110.578 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2183708

Ion Ratio Lower Upper

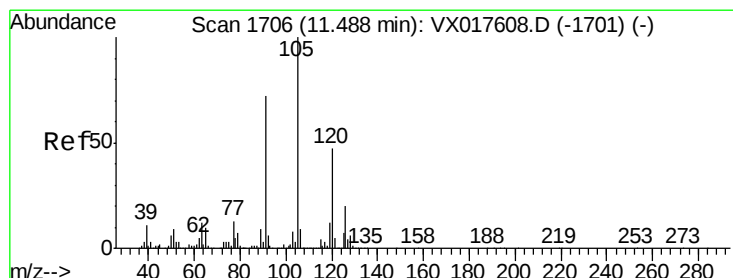
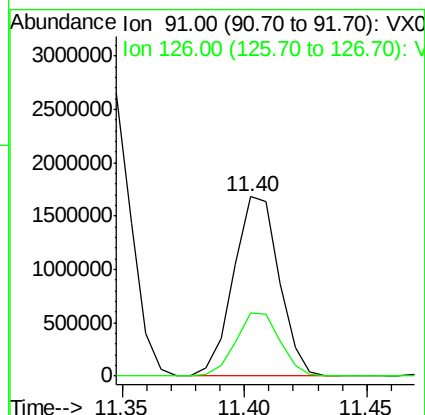
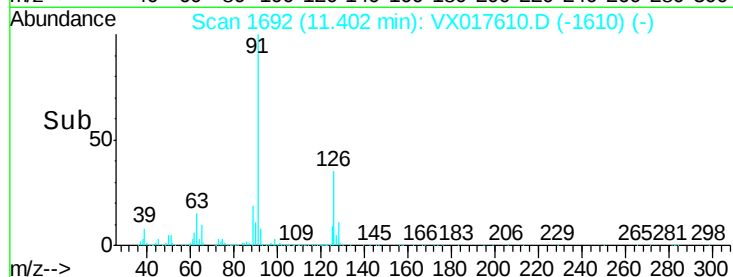
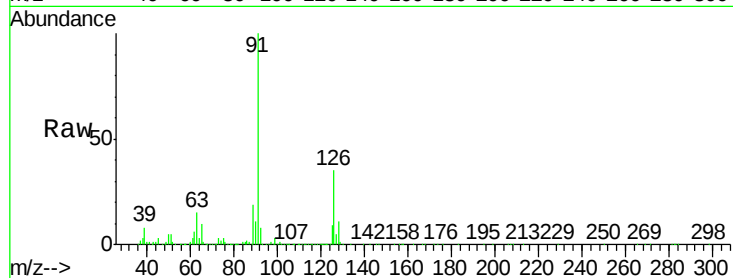
91 100

126 34.6 0.0 67.8

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#76

1,3,5-Trimethylbenzene

Concen: 104.498 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX017610.D

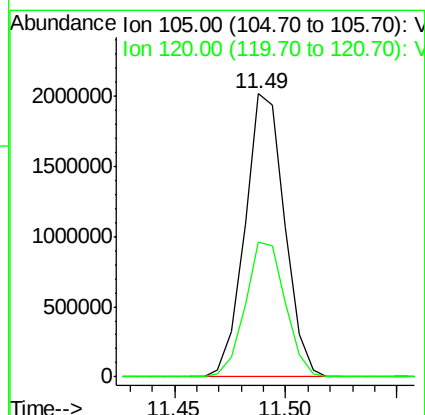
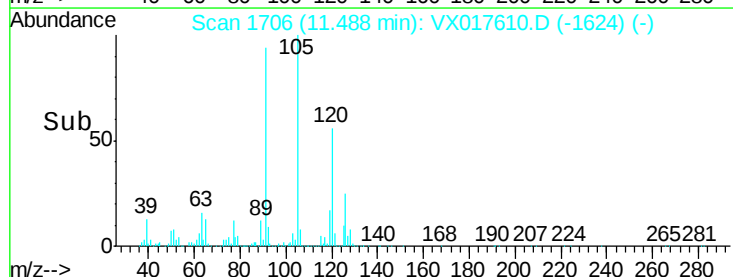
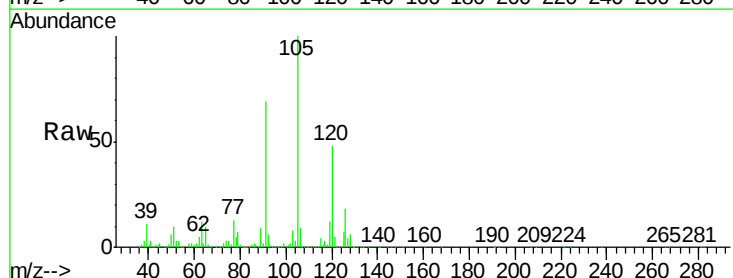
Acq: 27 Jul 2020 10:31

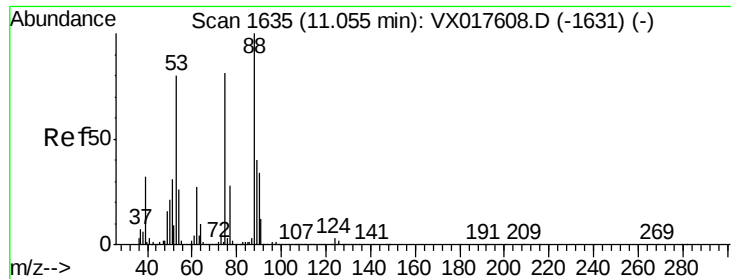
Tgt Ion: 105 Resp: 2505744

Ion Ratio Lower Upper

105 100

120 48.2 0.0 95.8





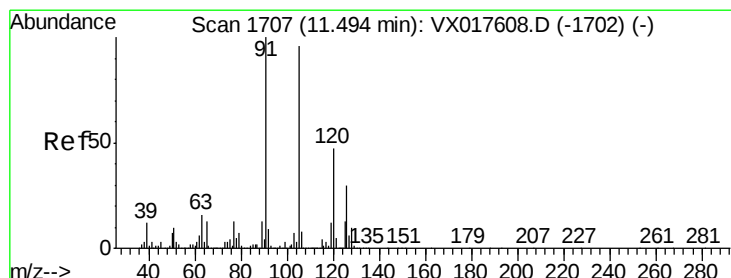
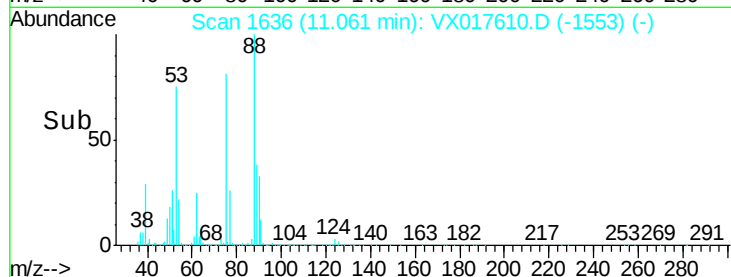
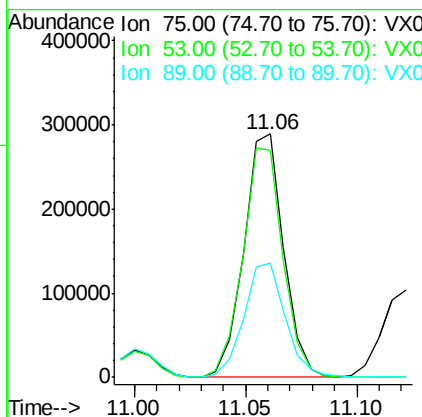
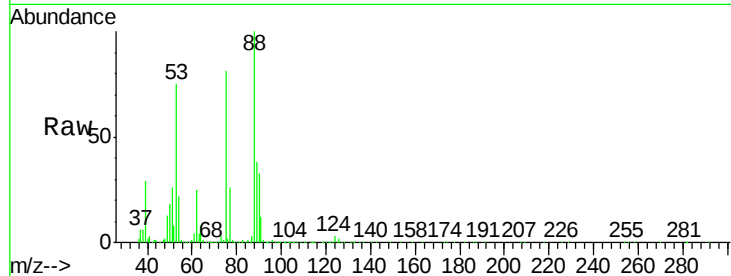
#77
t-1,4-Dichloro-2-butene
Concen: 106.556 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.4	49.0	147.0
89	46.5	24.4	73.2

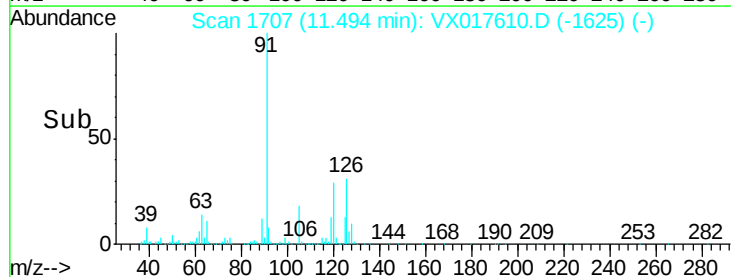
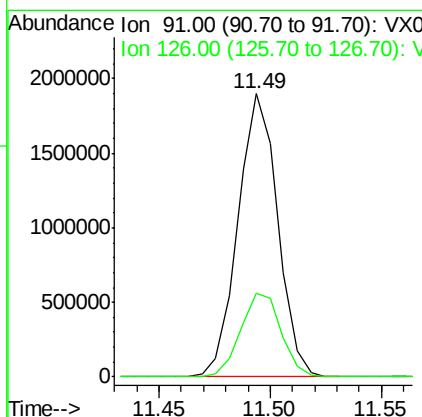
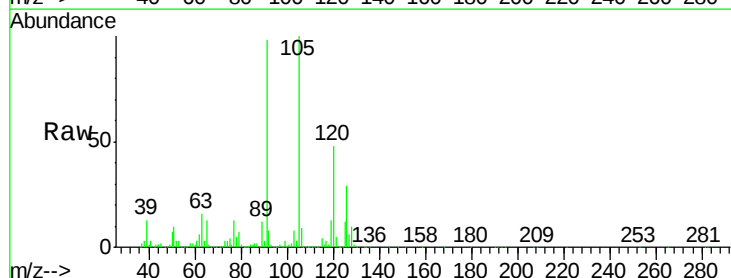
Manual Integrations
APPROVED

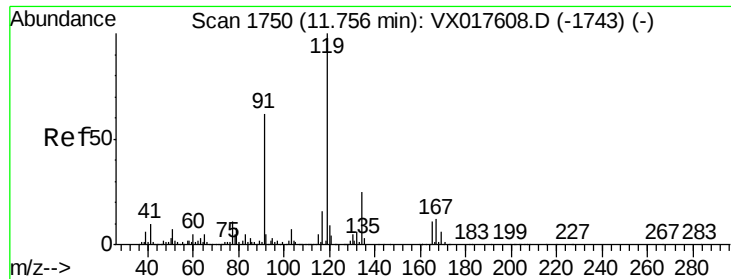
MMDadoda
7/28/2020 10:31:33 AM



#78
4-Chlorotoluene
Concen: 101.022 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	0.0	60.8





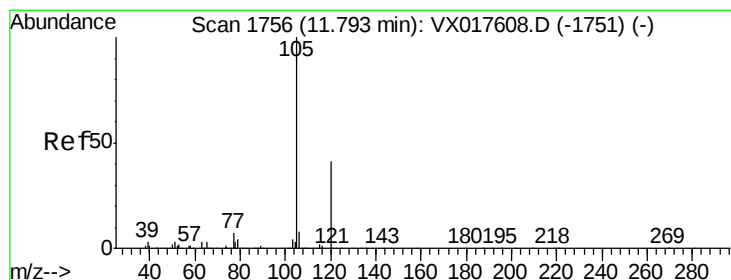
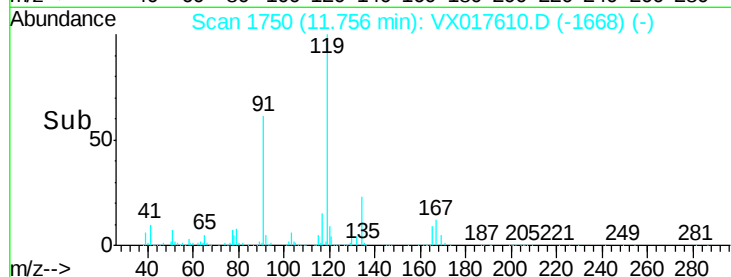
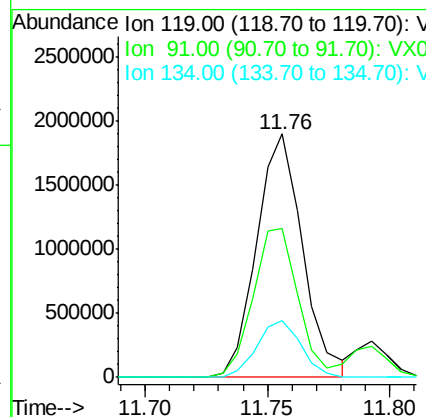
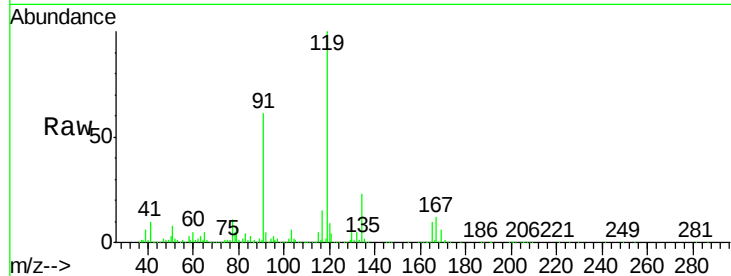
#79
tert-butylbenzene
Concen: 107.165 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.3	0.0	121.0
134	22.6	0.0	45.0

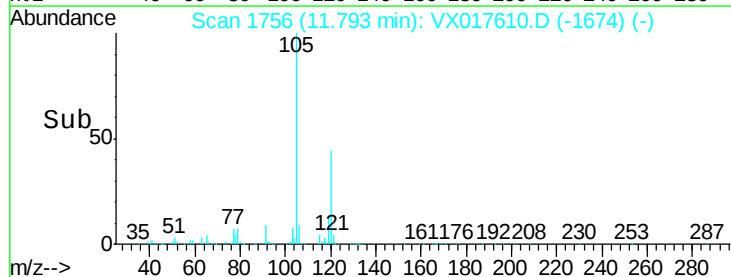
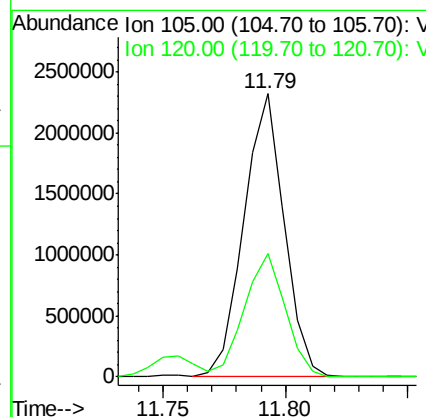
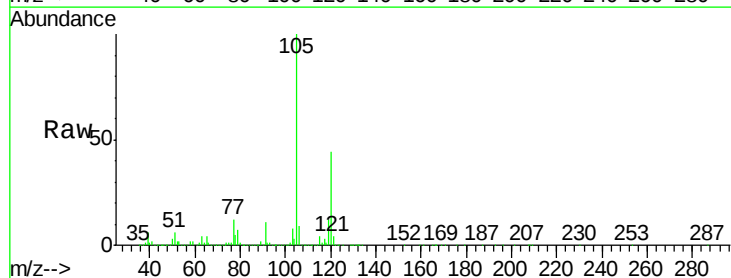
Manual Integrations
APPROVED

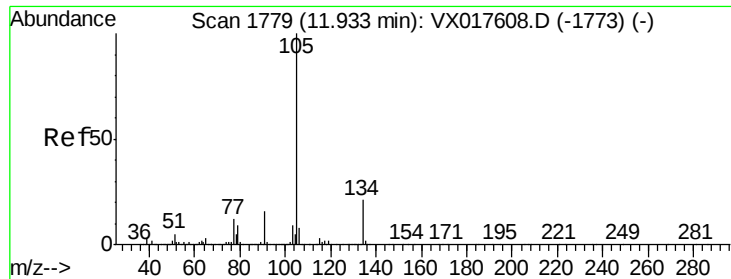
MMDadoda
7/28/2020 10:31:33 AM



#80
1,2,4-Trimethylbenzene
Concen: 110.077 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	0.0	90.0





#81

sec-Butylbenzene

Concen: 118.420 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 3188008

Ion Ratio Lower Upper

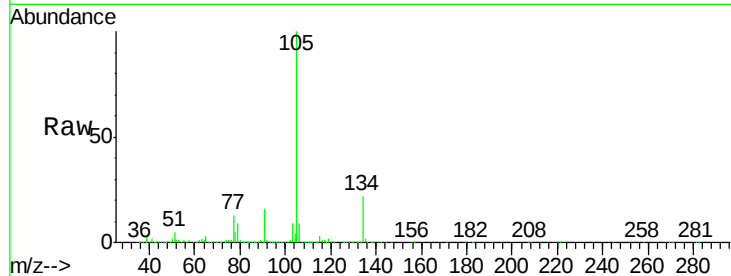
105 100

134 20.5 0.0 41.8

Manual Integrations
APPROVED

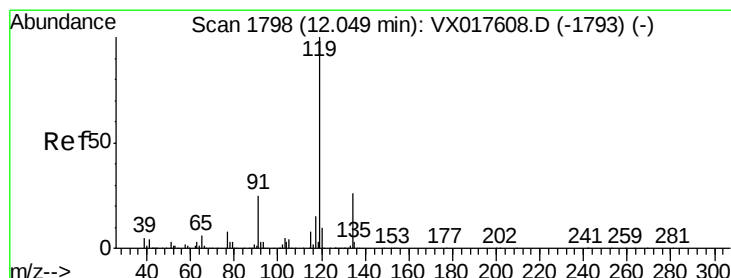
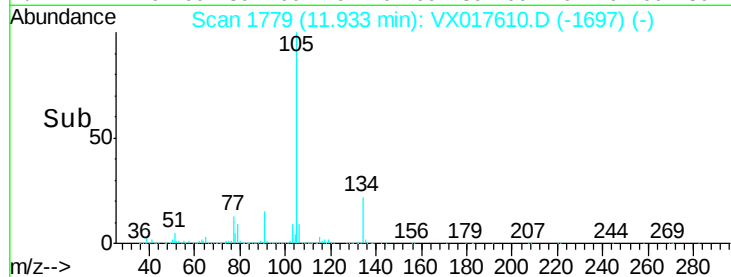
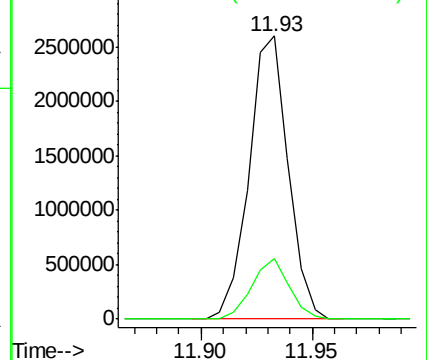
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 112.122 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

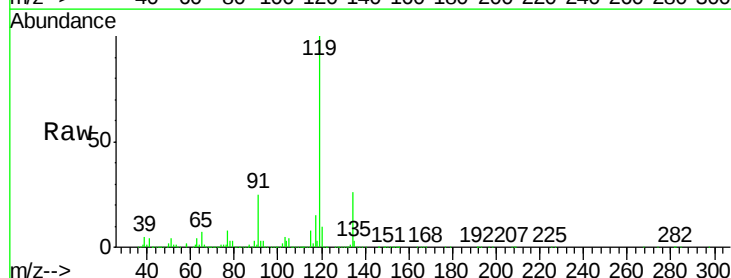
Tgt Ion:119 Resp: 2872595

Ion Ratio Lower Upper

119 100

134 25.9 0.0 52.6

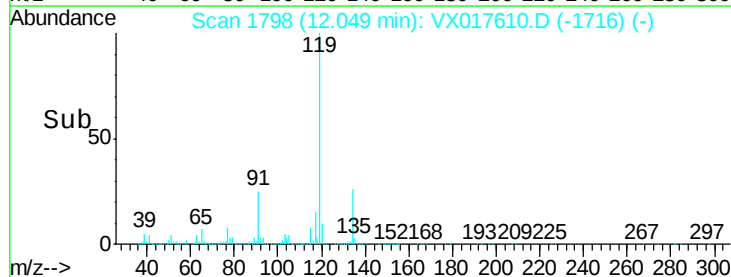
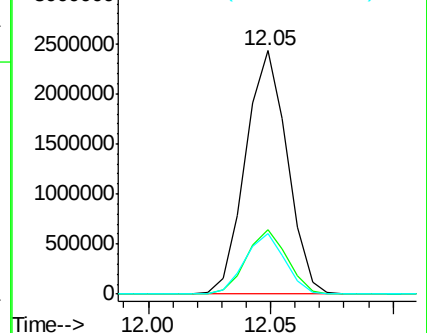
91 24.1 0.0 48.2

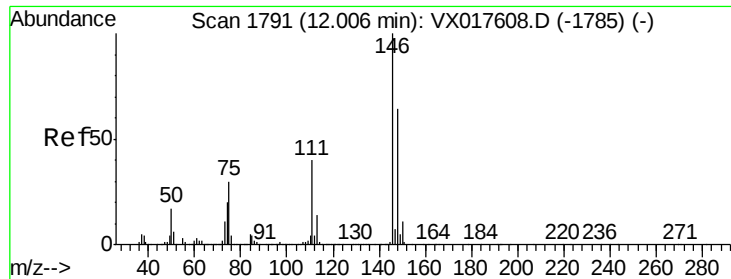


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





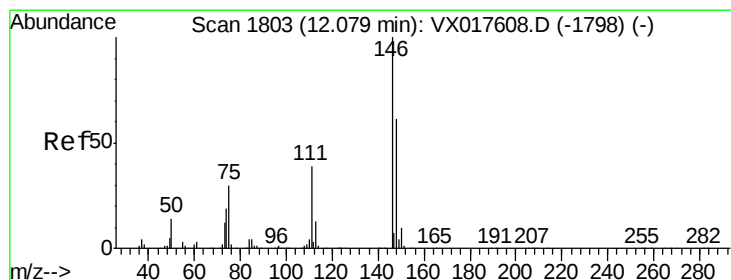
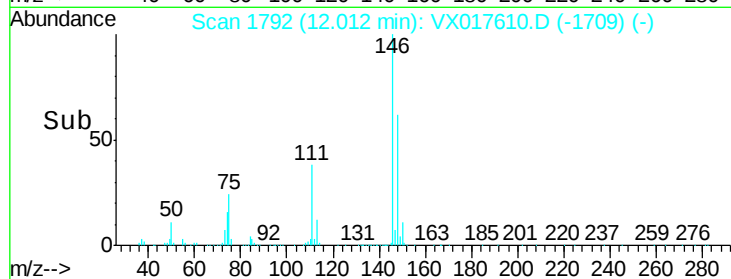
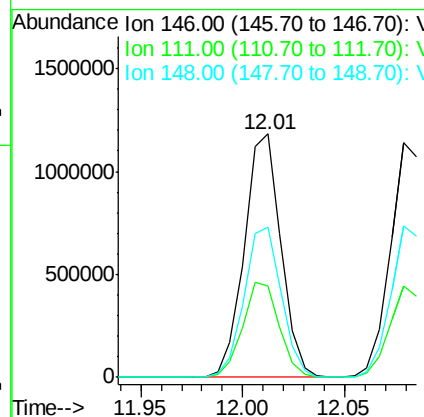
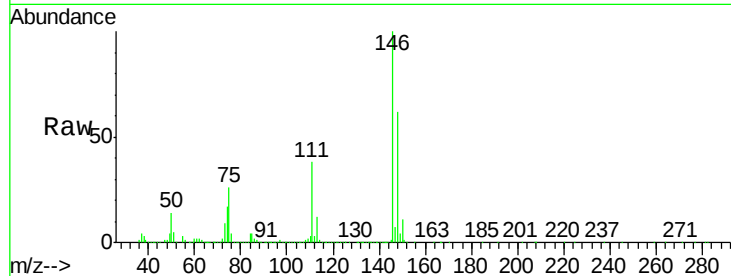
#83
 1,3-Dichlorobenzene
 Concen: 104.892 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.7
148	62.6	32.6	98.0

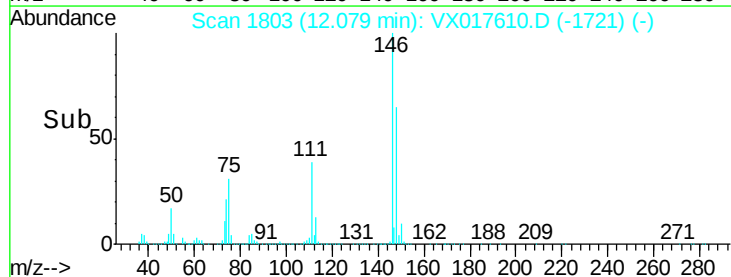
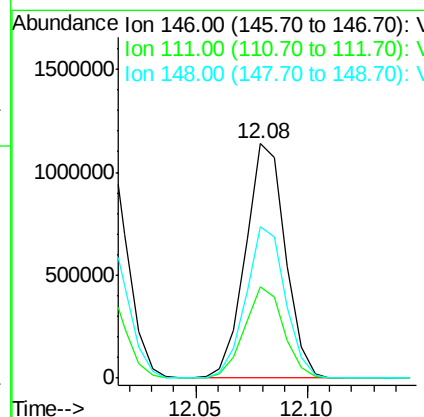
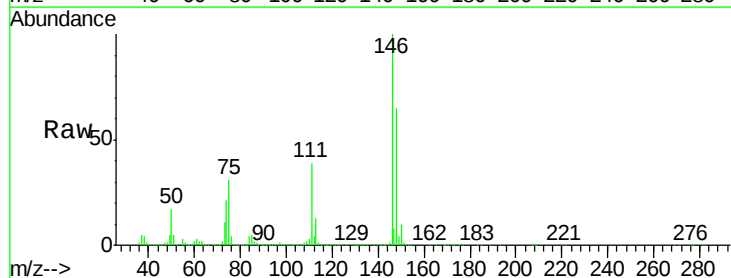
Manual Integrations
 APPROVED

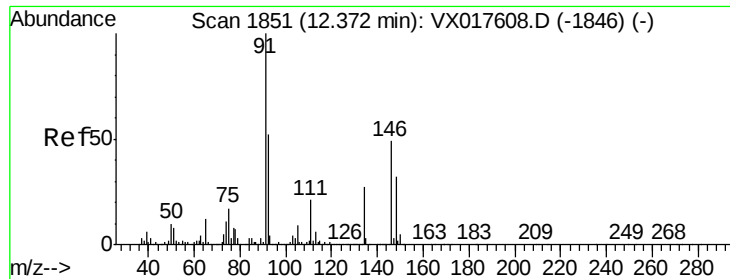
MMDadoda
 7/28/2020 10:31:33 AM



#84
 1,4-Dichlorobenzene
 Concen: 100.243 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	63.6	31.6	94.8





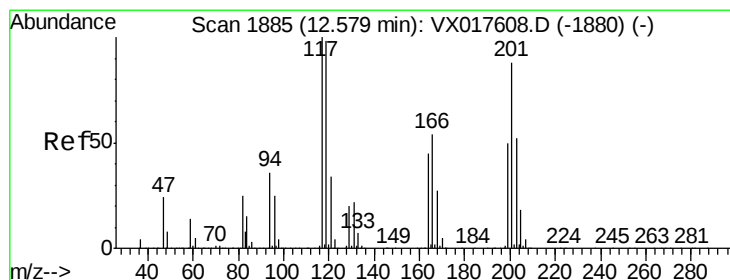
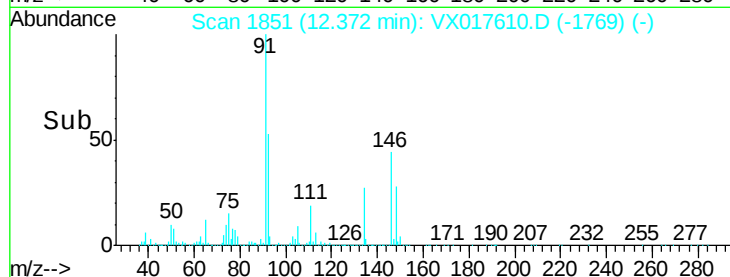
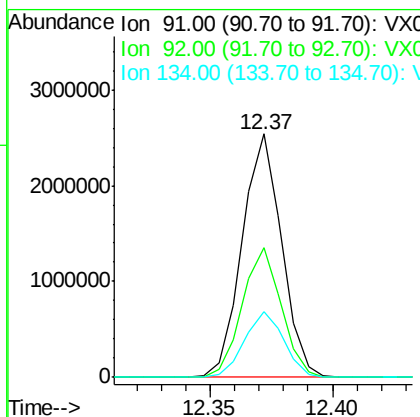
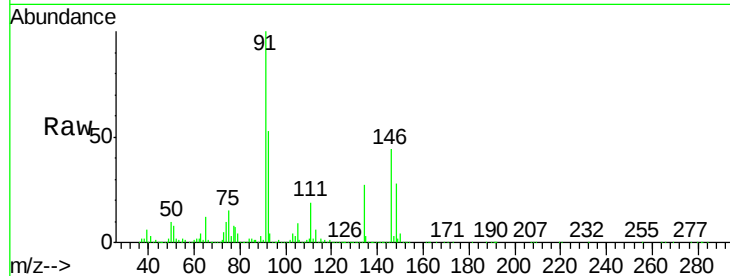
#85
n-Butylbenzene
Concen: 127.422 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2840415
Ion Ratio Lower Upper
91 100
92 52.9 0.0 104.0
134 26.9 0.0 55.0

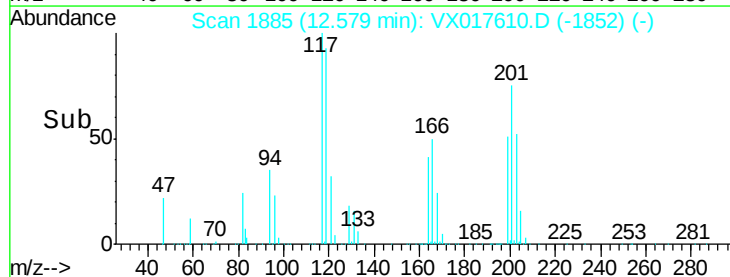
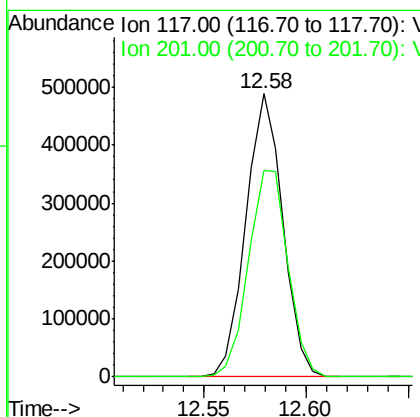
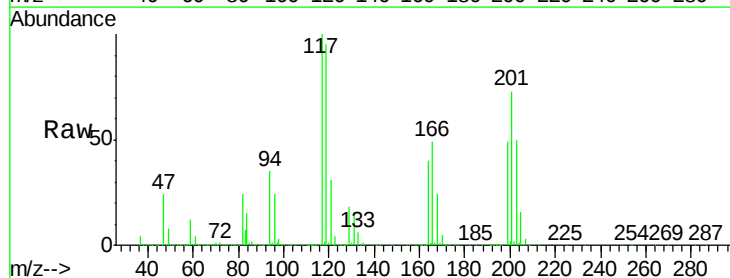
Manual Integrations
APPROVED

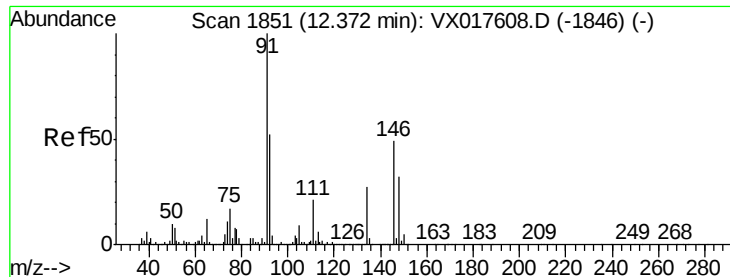
MMDadoda
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#86
Hexachloroethane
Concen: 122.113 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion: 117 Resp: 612537
Ion Ratio Lower Upper
117 100
201 78.2 43.1 129.3





#87

1,2-Dichlorobenzene

Concen: 111.291 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1518950

Ion Ratio Lower Upper

146 100

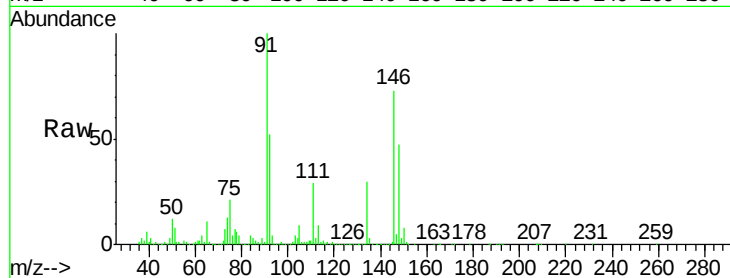
111 41.1 20.7 62.1

148 63.8 32.3 96.9

Manual Integrations
APPROVED

MMDadoda

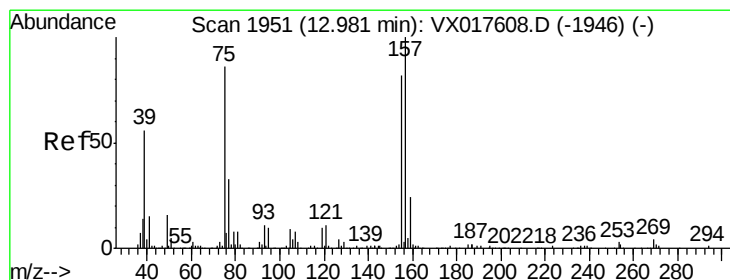
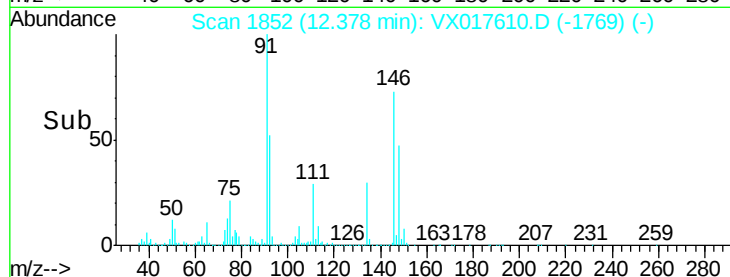
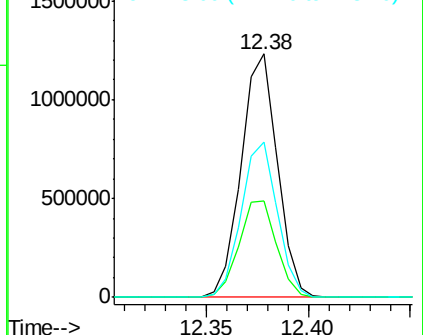
7/28/2020 10:31:33 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 120.470 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX017610.D

Acq: 27 Jul 2020 10:31

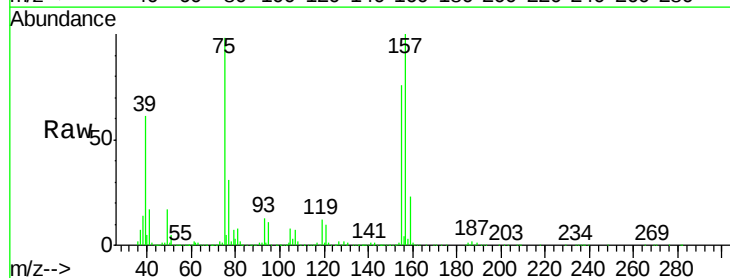
Tgt Ion: 75 Resp: 259047

Ion Ratio Lower Upper

75 100

155 84.9 69.5 104.3

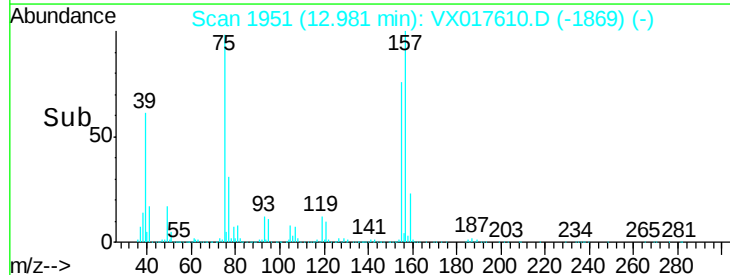
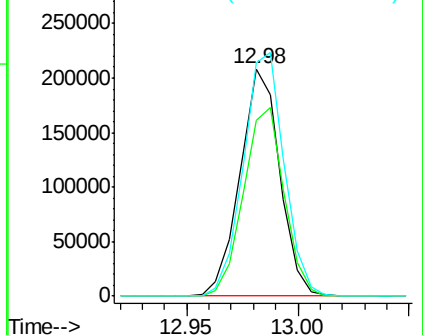
157 110.3 88.2 132.4

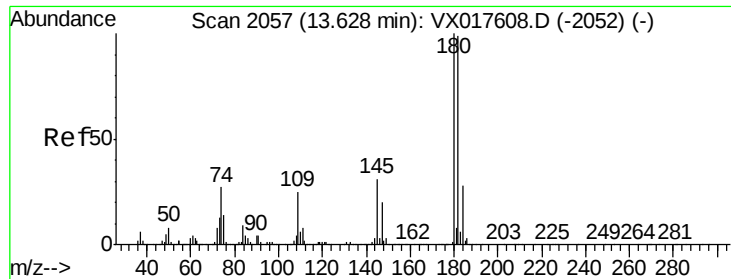


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





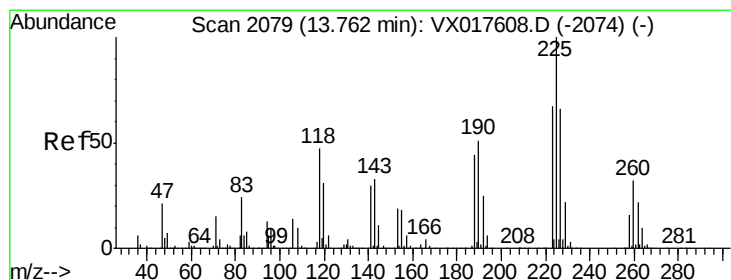
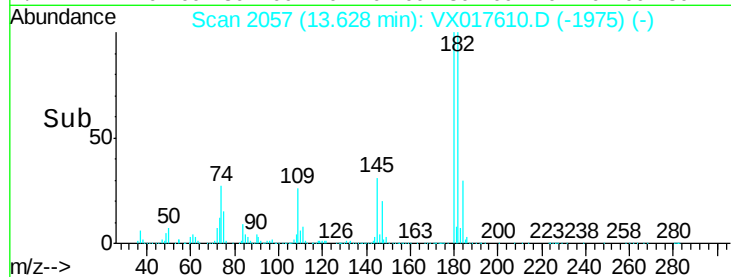
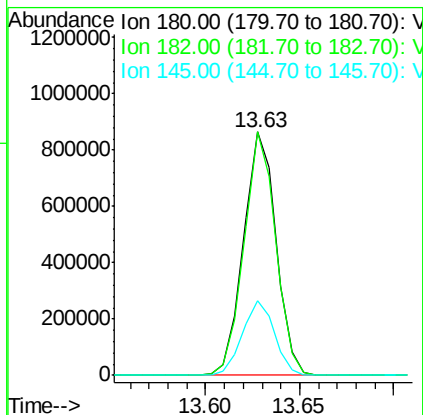
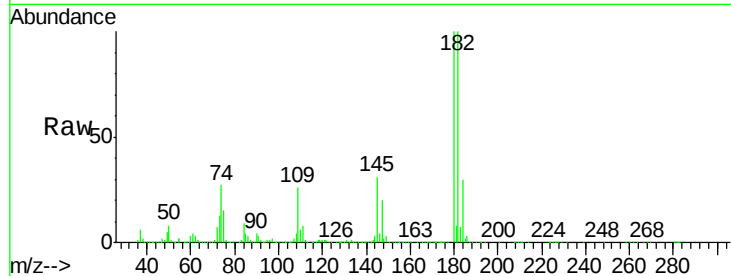
#89
 1,2,4-Trichlorobenzene
 Concen: 106.638 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.4	116.0
145	30.4	24.9	37.3

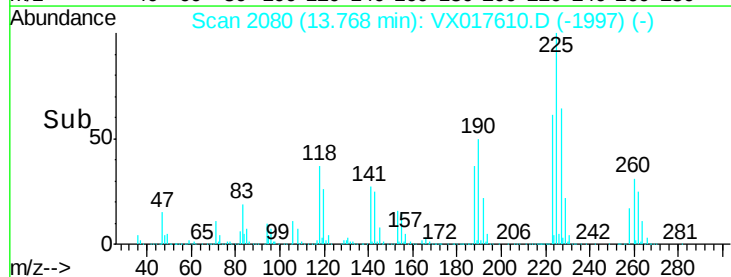
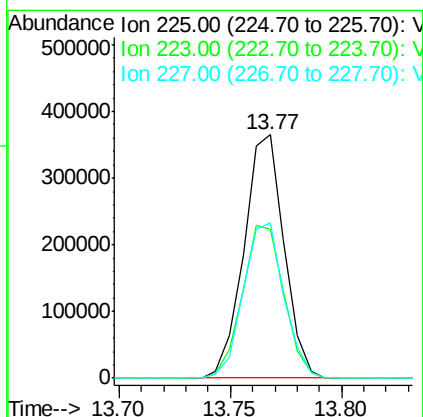
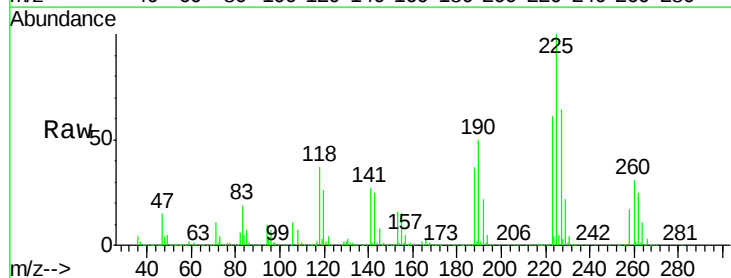
Manual Integrations
 APPROVED

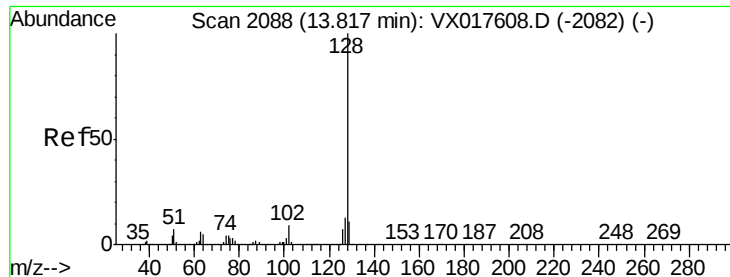
MMDadoda
 7/28/2020 10:31:33 AM



#90
 Hexachlorobutadiene
 Concen: 116.191 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX017610.D
 Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	0.0	130.8
227	64.6	0.0	127.2





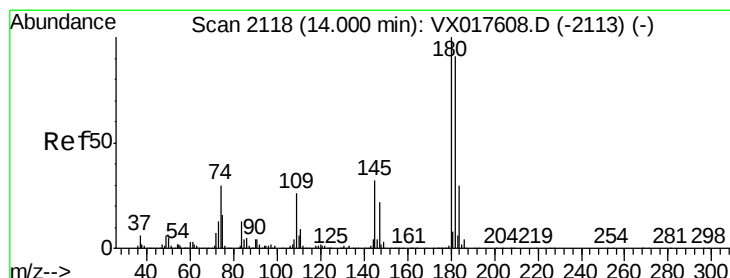
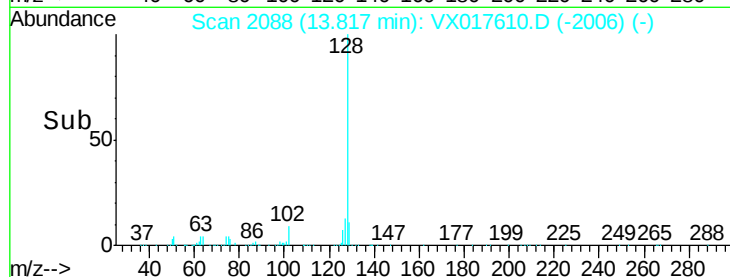
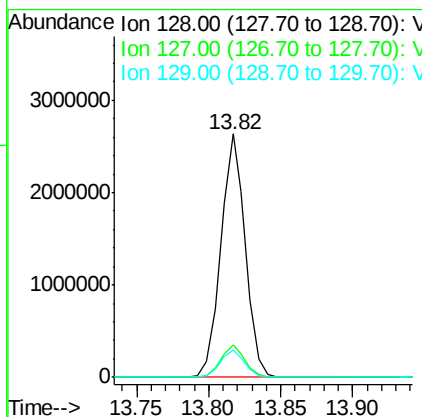
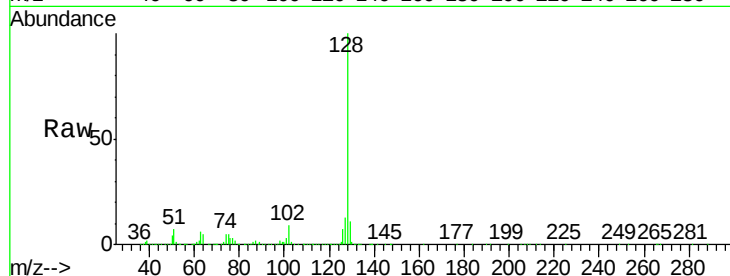
#91
Naphthalene
Concen: 105.982 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.2	8.7	13.1

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 105.567 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX017610.D
Acq: 27 Jul 2020 10:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	0.0	190.2
145	32.4	0.0	63.8

