

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016003.D
 Acq On : 01 May 2020 11:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:19:49 PM

Quant Time: May 02 07:14:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	62982	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	353004	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	318138	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	143717	29.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.97%
60) 4-Bromofluorobenzene	11.12	95	156985	29.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.10%
63) Toluene-d8	8.70	98	419198	30.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	85280	19.658	ug/l 98
3) Chloromethane	1.32	50	81084	19.077	ug/l 99
4) Vinyl Chloride	1.40	62	90868	18.817	ug/l 97
5) Bromomethane	1.63	94	61864	20.900	ug/l 99
6) Chloroethane	1.71	64	58226	18.392	ug/l 100
7) Trichlorofluoromethane	1.92	101	125112	18.088	ug/l 99
8) Diethyl Ether	2.17	74	49384	17.887	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67102	18.785	ug/l 99
10) 1,1-Dichloroethene	2.36	96	68857	19.106	ug/l 94
11) Methyl Iodide	2.49	142	89609	18.213	ug/l 98
12) Methyl Acetate	2.75	43	122245	19.428	ug/l 99
13) Acrolein	2.27	56	44276	87.774	ug/l 96
14) Acrylonitrile	3.12	53	217817	93.716	ug/l 100
15) Acetone	2.42	58	55644	90.463	ug/l 98
16) Carbon Disulfide	2.55	76	203664	18.576	ug/l 99
17) Allyl chloride	2.71	41	124285	18.590	ug/l 97
18) Methylene Chloride	2.84	84	75109	18.604	ug/l 96
19) trans-1,2-Dichloroethene	3.14	96	72765	18.460	ug/l 95
20) Diisopropyl ether	3.82	45	238081	18.470	ug/l 95
21) 1,1-Dichloroethane	3.67	63	132987	18.502	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	82008	18.333	ug/l 99
23) tert-Butyl Alcohol	3.01	59	107378	94.379	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	239843	18.532	ug/l 98
25) Chloroform	5.17	83	133046	18.226	ug/l 100
26) Cyclohexane	5.55	56	120976	18.406	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	100342	18.073	ug/l 100
30) 2-Butanone	4.64	43	294565	89.041	ug/l 98
31) 2,2-Dichloropropane	4.55	77	123757	18.522	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	121549	18.048	ug/l 99
33) Carbon Tetrachloride	5.75	117	108500	18.093	ug/l 99
34) Benzene	6.11	78	298470	18.405	ug/l 99
35) Methacrylonitrile	5.00	41	64957	18.489	ug/l 95
36) 1,2-Dichloroethane	6.16	62	111016	17.926	ug/l 100
37) Trichloroethene	7.19	130	109562	18.992	ug/l 99
38) Methylcyclohexane	7.44	83	123072	18.139	ug/l 99
39) 1,2-Dichloropropane	7.49	63	74917	17.997	ug/l 96
40) Dibromomethane	7.64	93	51755	17.905	ug/l 99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	107219	17.993	ug/l	98
42) Vinyl Acetate	3.78	43	988878	90.352	ug/l	100
43) Ethyl Acetate	4.79	43	120014	18.391	ug/l	100
44) Isopropyl Acetate	6.41	43	193884	18.309	ug/l	99
45) 1,4-Dioxane	7.71	88	41177	368.118	ug/l	98
46) Methyl methacrylate	7.74	41	90582	18.043	ug/l	97
47) n-amyl Acetate	10.88	43	162564	17.556	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	124028	17.924	ug/l	98
49) cis-1,3-Dichloropropene	8.41	75	128895	18.029	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	72193	17.724	ug/l	98
51) Ethyl methacrylate	9.16	69	120174	17.867	ug/l	96
52) 1,3-Dichloropropane	9.35	76	128478	18.246	ug/l	99
53) Dibromochloromethane	9.57	129	80167	17.299	ug/l	96
54) 1,2-Dibromoethane	9.65	107	79273	17.708	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	323082	88.291	ug/l	100
56) Bromoform	10.84	173	58600	16.783	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	592075	94.373	ug/l	99
59) 2-Hexanone	9.47	43	456441	94.189	ug/l	99
61) Tetrachloroethene	9.32	164	119799	19.037	ug/l	96
62) Toluene	8.76	91	315882	18.585	ug/l	99
64) Chlorobenzene	10.12	112	197633	18.262	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	73137	17.802	ug/l	98
66) Ethyl Benzene	10.24	91	357416	18.467	ug/l	100
67) m/p-Xylenes	10.34	106	270188	36.647	ug/l	99
68) o-Xylene	10.68	106	129591	18.227	ug/l	99
69) Styrene	10.70	104	218296	17.940	ug/l	100
70) Isopropylbenzene	11.00	105	350908	18.281	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	53063	14.870	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	108973m	18.855	ug/l	
73) Bromobenzene	11.24	156	86218	17.824	ug/l	98
74) n-propylbenzene	11.34	91	404981	18.164	ug/l	100
75) 2-Chlorotoluene	11.40	91	239283	18.263	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	295550	18.139	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	45045	18.126	ug/l	97
78) 4-Chlorotoluene	11.49	91	279250	18.006	ug/l	100
79) tert-butylbenzene	11.76	119	251949	18.105	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	295287	18.140	ug/l	99
81) sec-Butylbenzene	11.93	105	342360	18.241	ug/l	99
82) p-Isopropyltoluene	12.05	119	313996	18.053	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	158205	18.141	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	155945	17.996	ug/l	100
85) n-Butylbenzene	12.37	91	281984	17.748	ug/l	99
86) Hexachloroethane	12.58	117	54362	17.754	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	152202	18.045	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	26514	17.756	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	108547	17.472	ug/l	99
90) Hexachlorobutadiene	13.77	225	50685	18.983	ug/l	99
91) Naphthalene	13.82	128	356654	18.032	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	105258	17.636	ug/l	100

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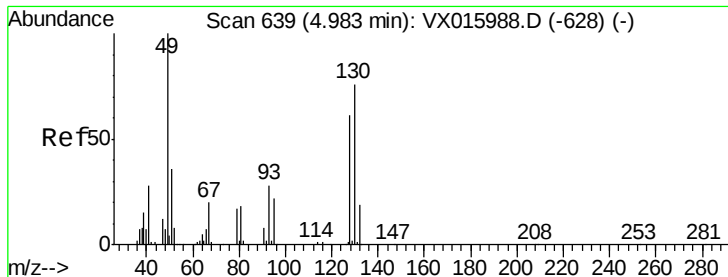
Manual Integrations
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Quant Time: May 02 07:14:47 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 30 12:42:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

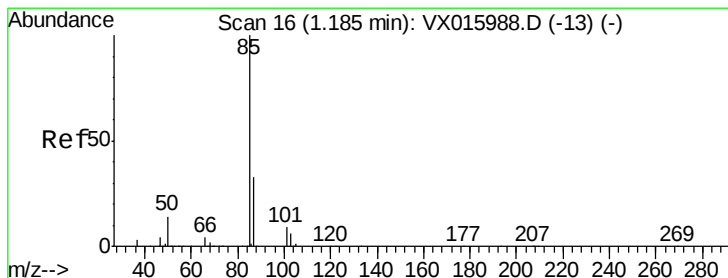
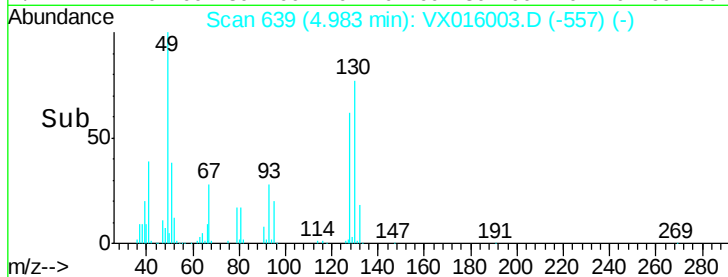
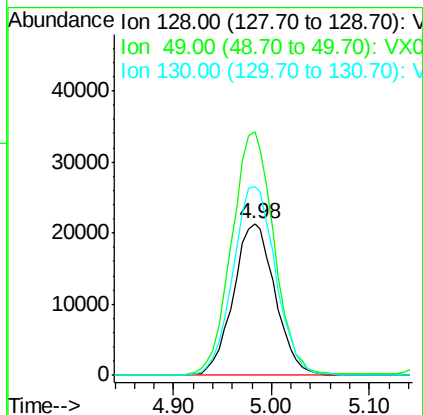
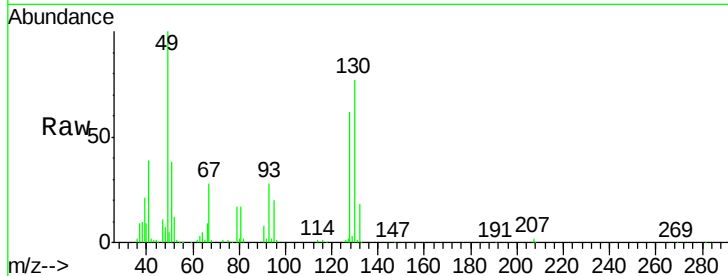
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	162.9	0.0	418.5
130	127.7	0.0	326.3

Manual Integrations
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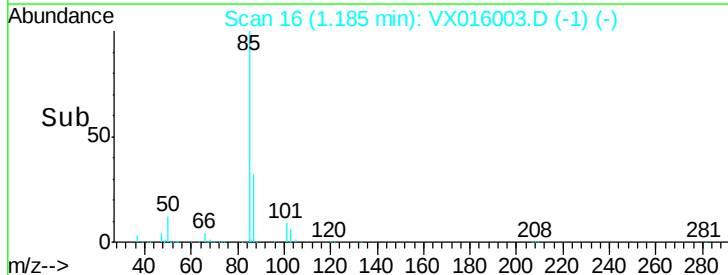
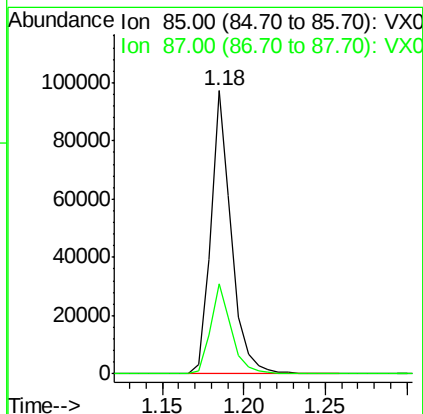
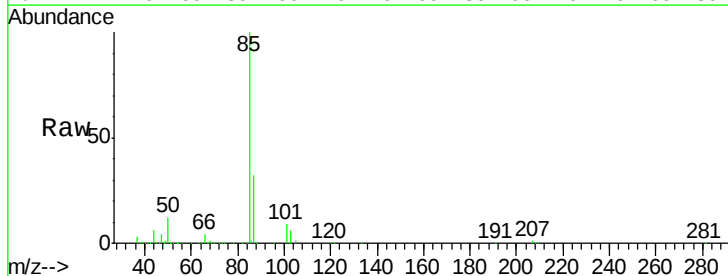
MMDadoda
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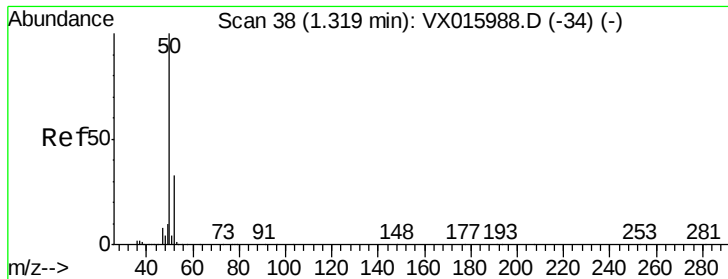


#2

Dichlorodifluoromethane
 Concen: 19.658 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.6	49.7





#3

Chloromethane

Concen: 19.077 ug/l

RT: 1.32 min Scan# 38

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 81084

Ion Ratio Lower Upper

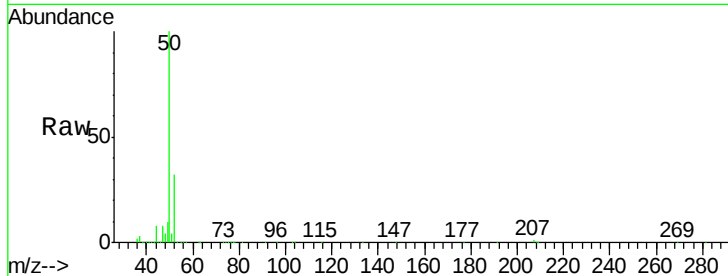
50 100

52 32.4 26.5 39.7

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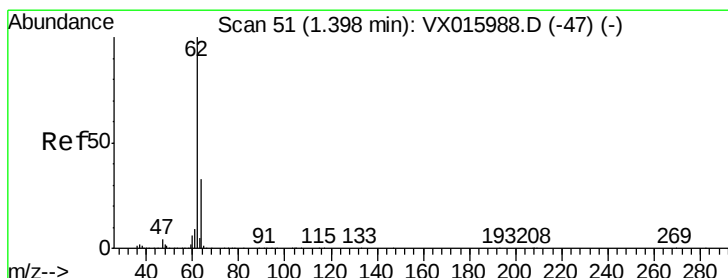
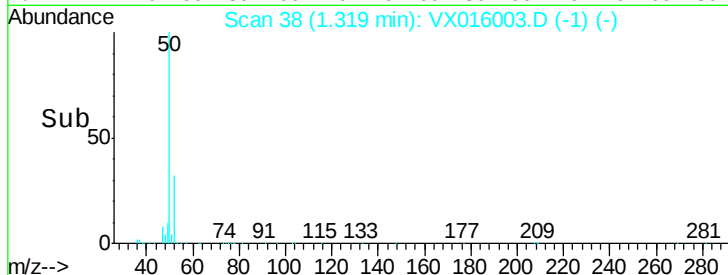
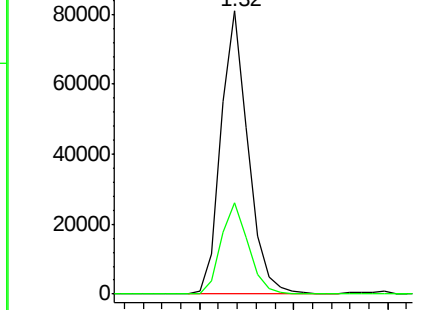
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.817 ug/l

RT: 1.40 min Scan# 51

Delta R.T. -0.00 min

Lab File: VX016003.D

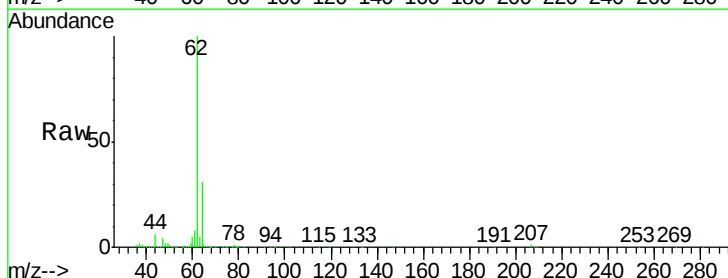
Acq: 01 May 2020 11:13

Tgt Ion: 62 Resp: 90868

Ion Ratio Lower Upper

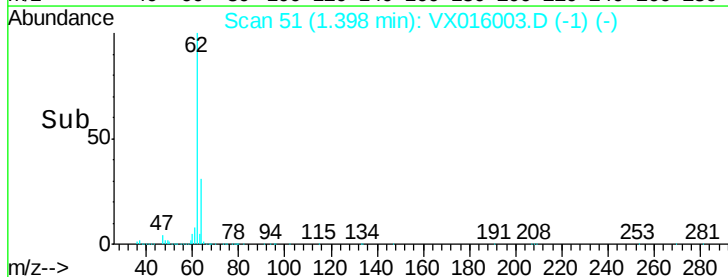
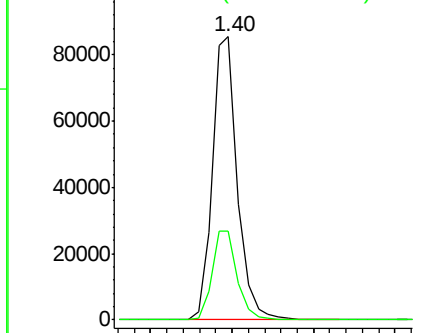
62 100

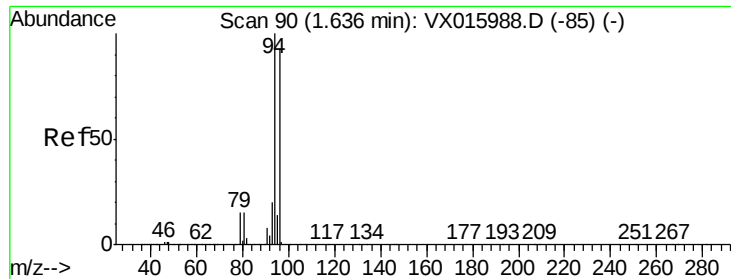
64 31.3 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 20.900 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 61864

Ion Ratio Lower Upper

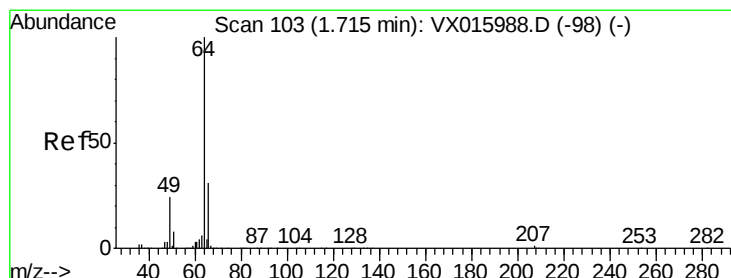
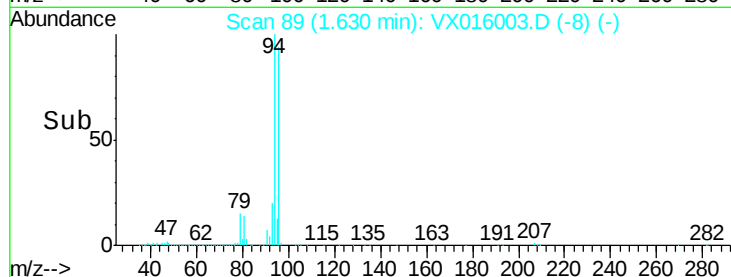
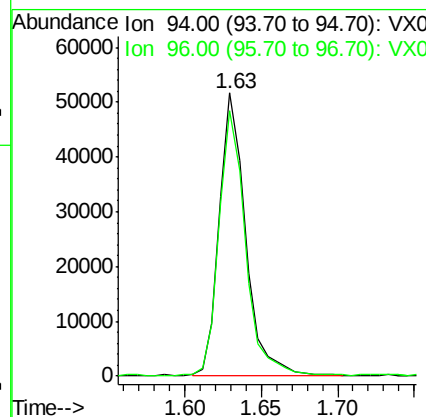
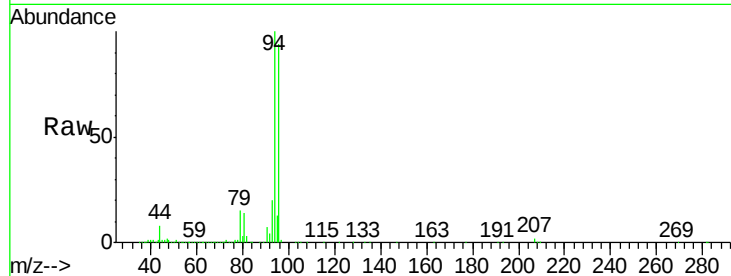
94 100

96 93.5 74.2 111.2

Manual Integrations
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#6

Chloroethane

Concen: 18.392 ug/l

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX016003.D

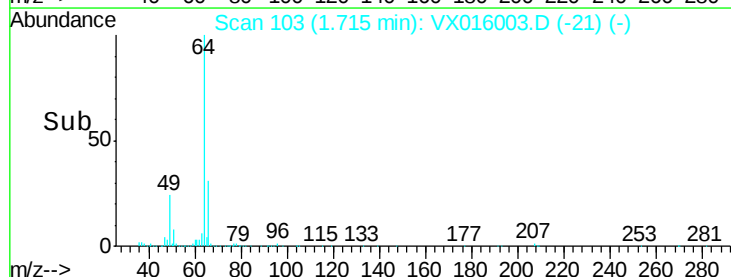
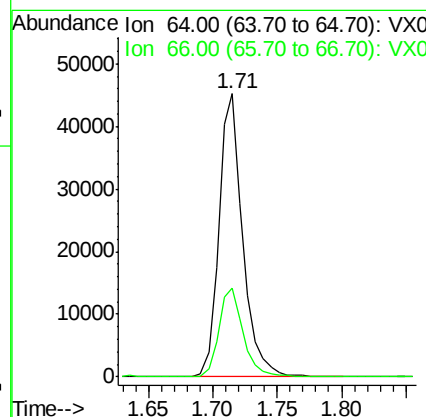
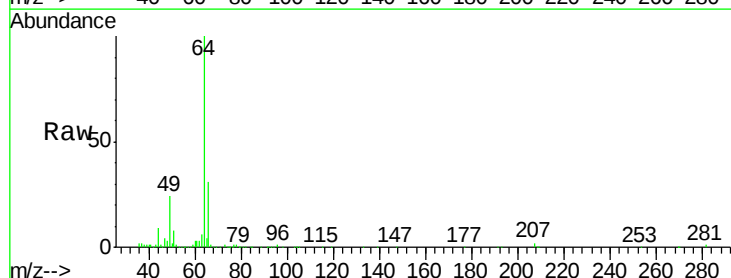
Acq: 01 May 2020 11:13

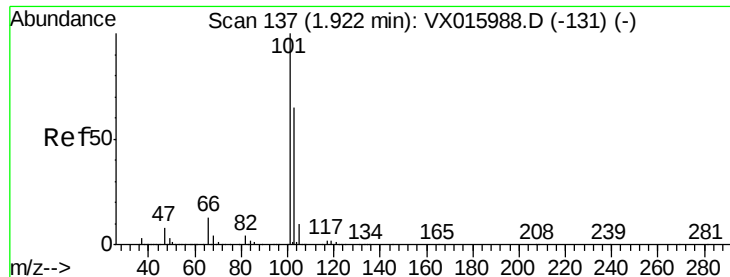
Tgt Ion: 64 Resp: 58226

Ion Ratio Lower Upper

64 100

66 31.1 24.9 37.3





#7

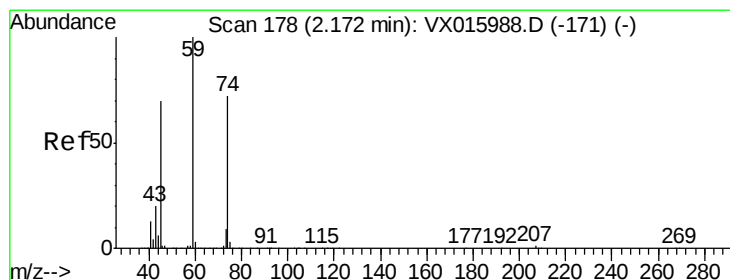
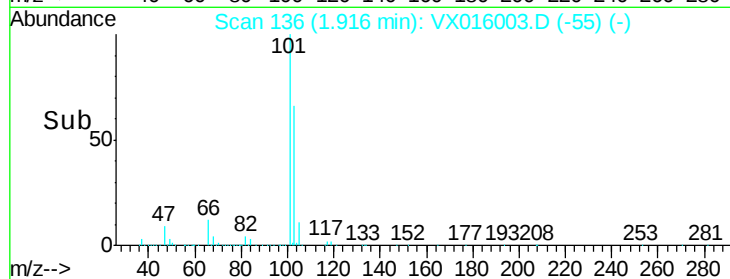
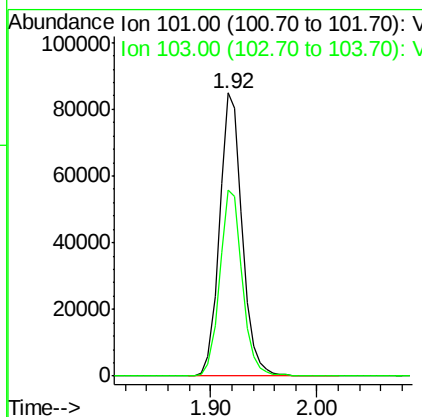
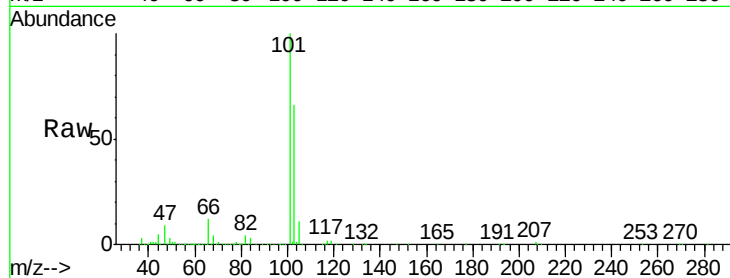
Trichlorofluoromethane
Concen: 18.088 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		125112		
103	65.7	51.8	77.8		

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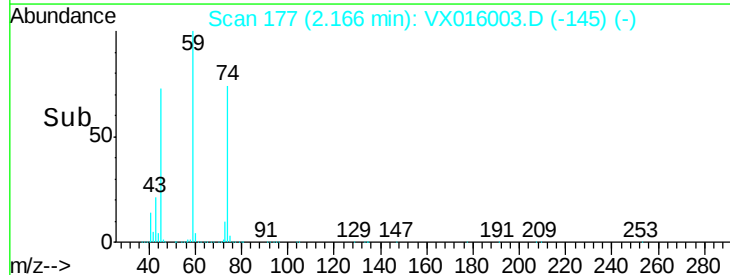
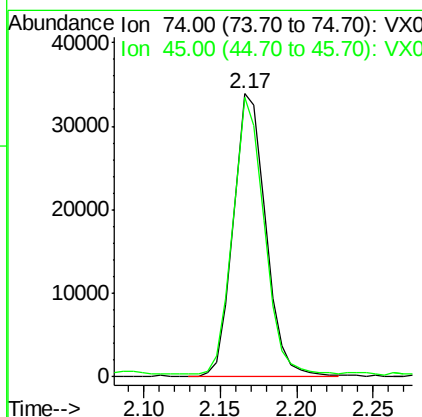
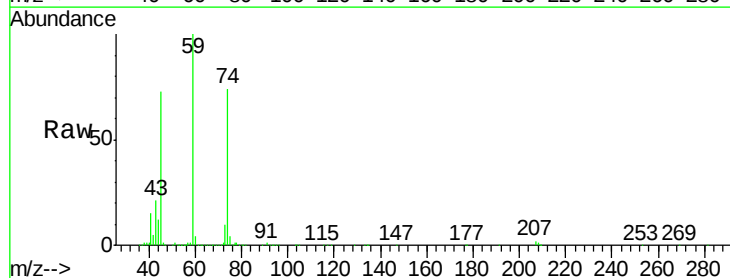
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5/4/2020 2:19:49 PM

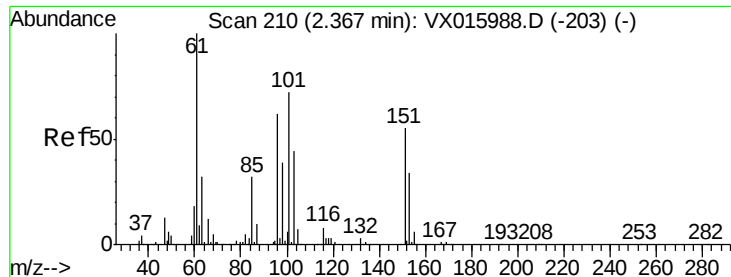


#8

Diethyl Ether
Concen: 17.887 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		49384		
45	95.4	19.4	174.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.785 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

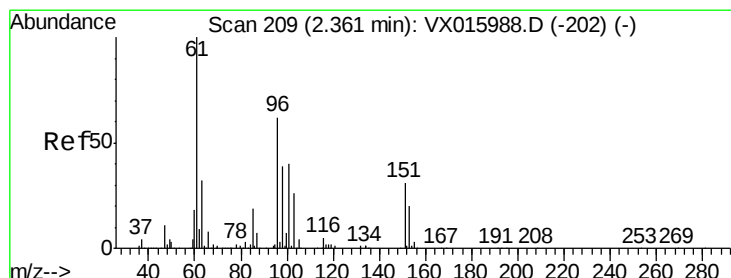
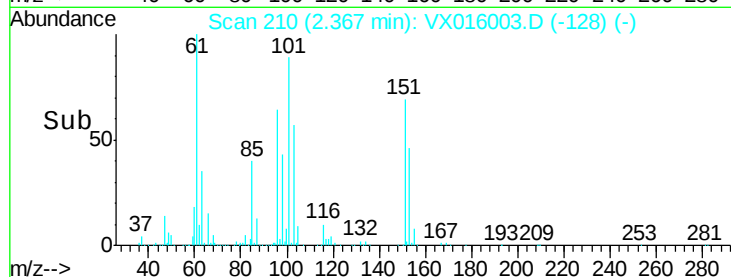
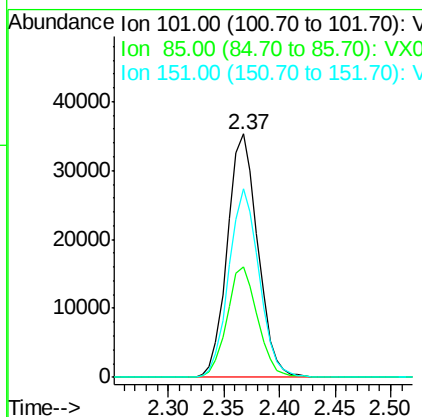
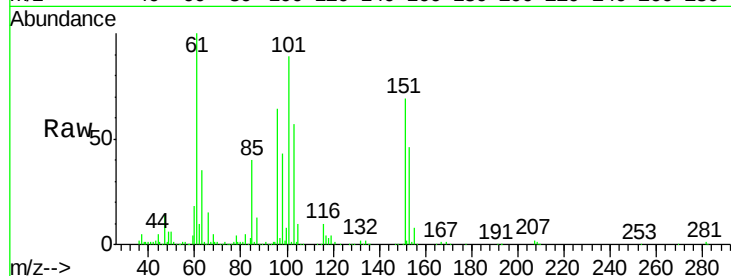
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	67102
Ion Ratio	Lower	Upper	
101	100		
85	45.5	0.0	90.6
151	76.9	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.106 ug/l

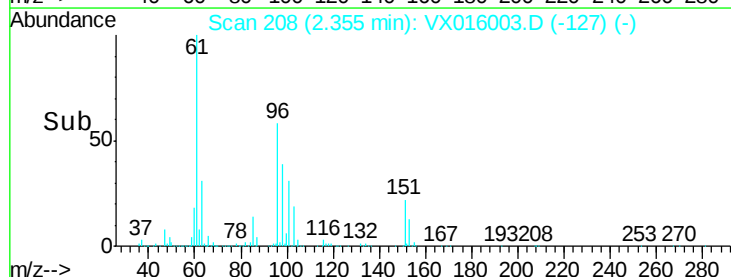
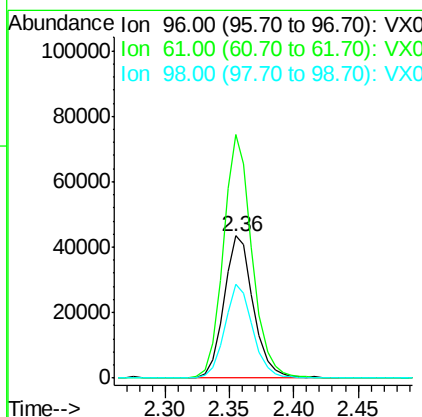
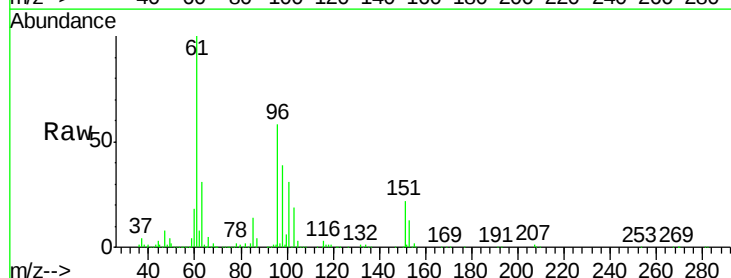
RT: 2.36 min Scan# 208

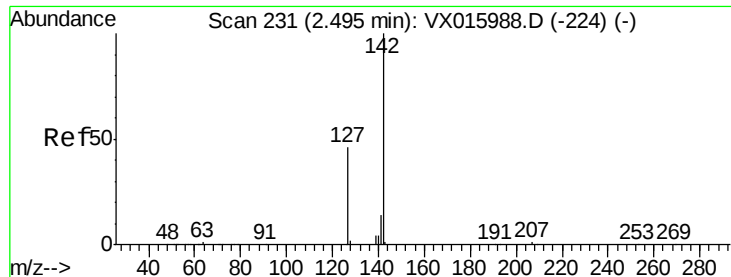
Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tgt Ion:	96	Resp:	68857
Ion Ratio	Lower	Upper	
96	100		
61	171.6	129.8	194.8
98	66.5	51.1	76.7





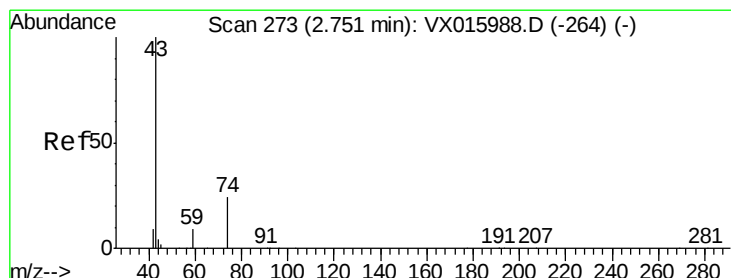
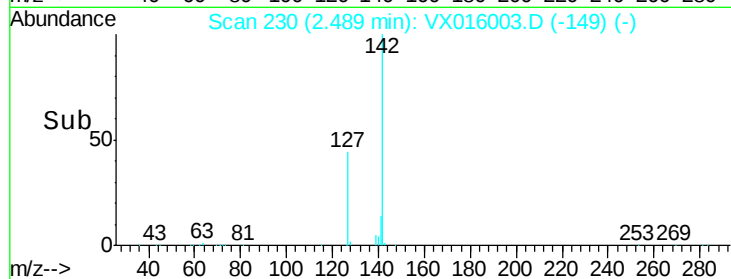
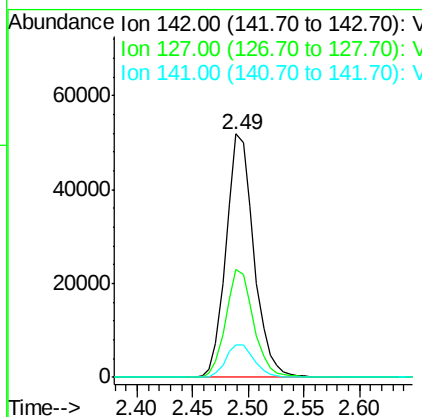
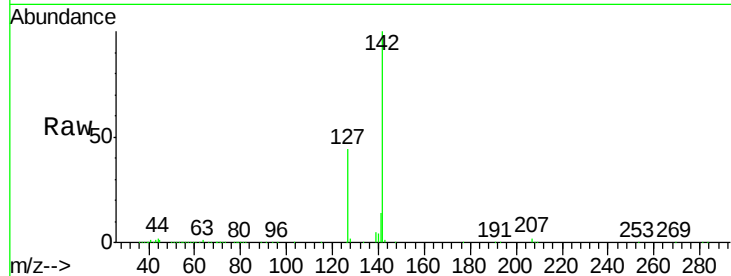
#11
Methvl Iodide
Concen: 18.213 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.1	22.8	68.4
141	13.5	7.0	21.1

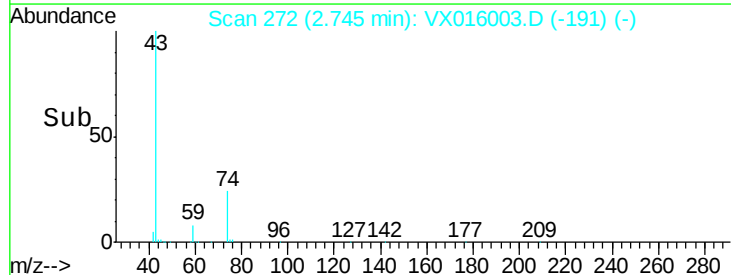
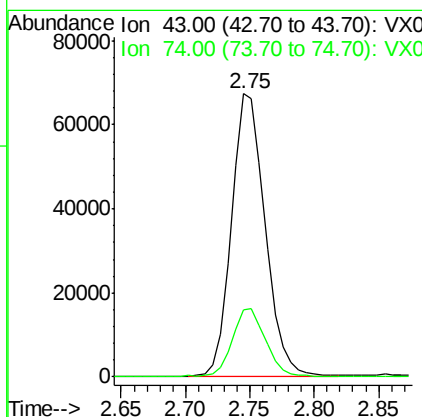
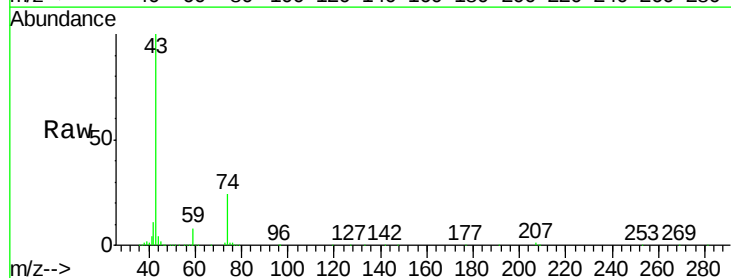
Manual Integrations
APPROVED

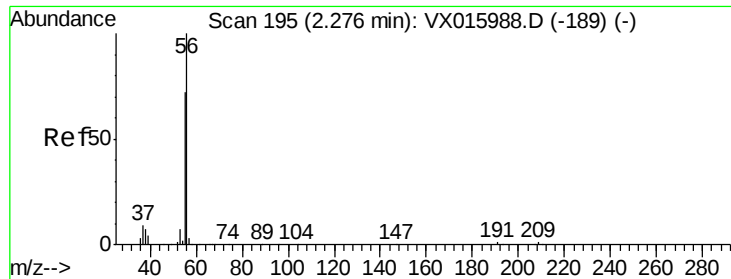
MMDadoda
5/4/2020 2:19:49 PM



#12
Methyl Acetate
Concen: 19.428 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.0	28.4





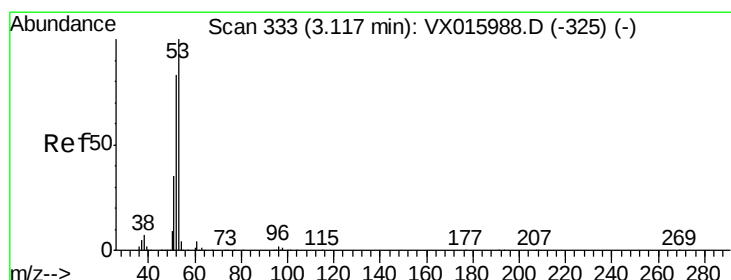
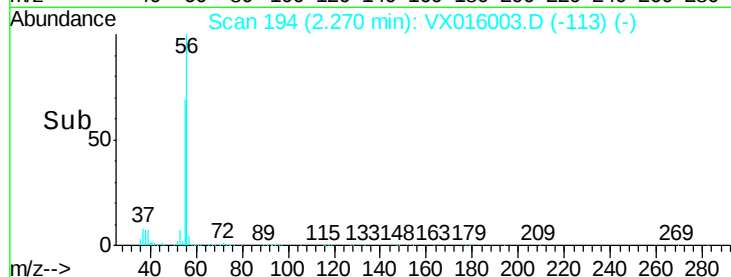
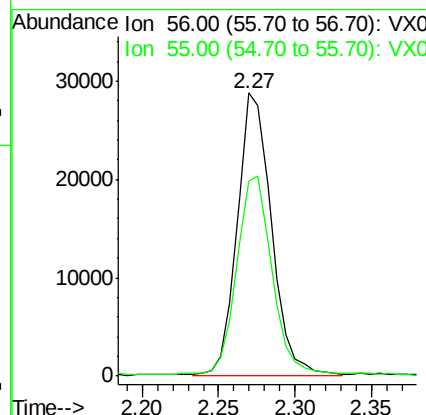
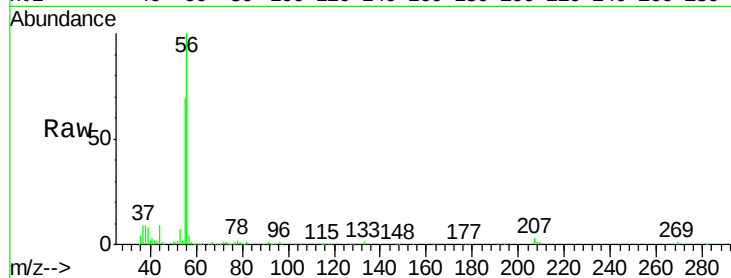
#13
 Acrolein
 Concen: 87.774 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.4	56.2	84.4	

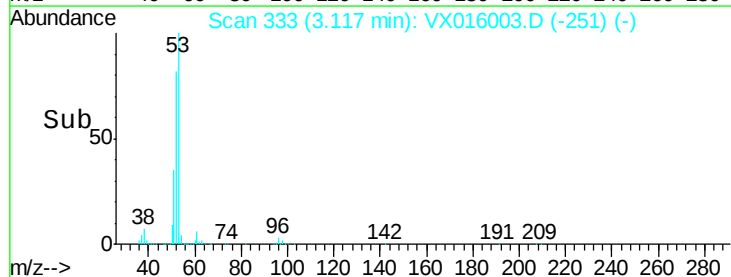
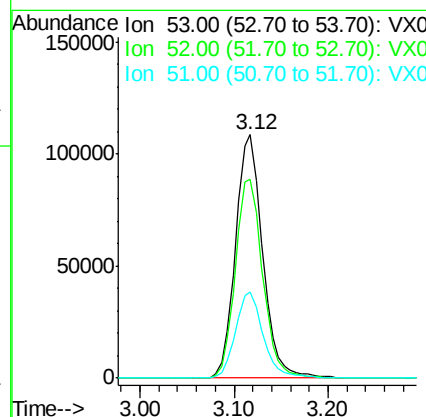
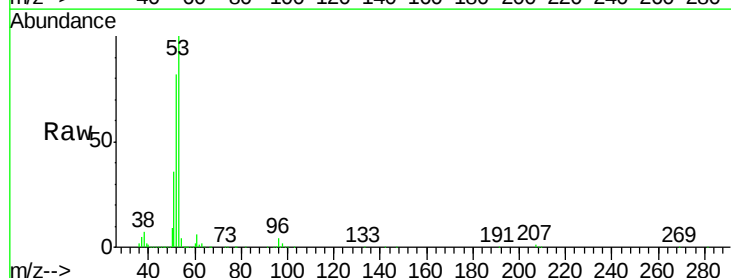
Manual Integrations
 APPROVED

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 5/4/2020 2:19:49 PM



#14
 Acrylonitrile
 Concen: 93.716 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.4	41.2	123.6	
51	36.4	17.8	53.5	





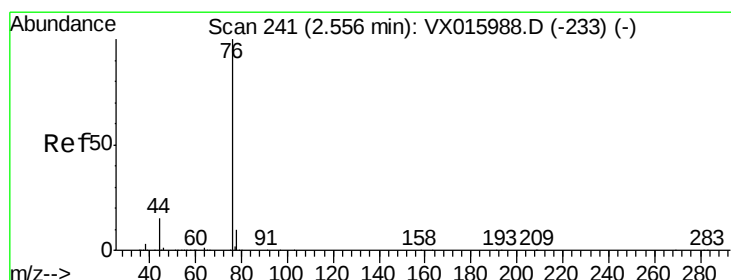
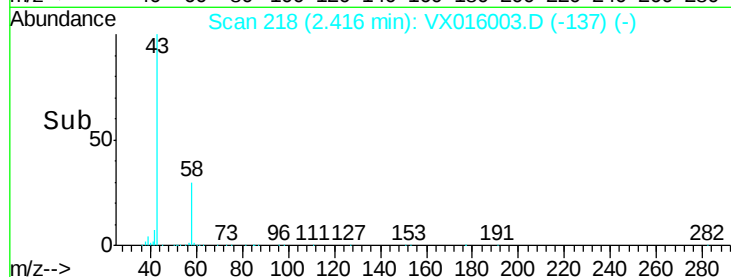
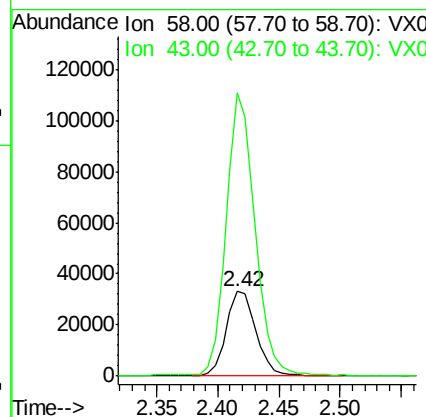
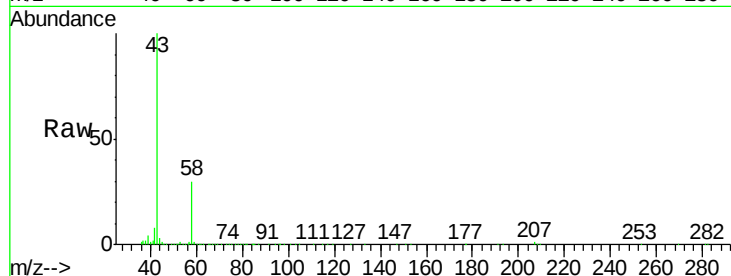
#15
Acetone
Concen: 90.463 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
58	100			
43	334.0	264.2	396.2	

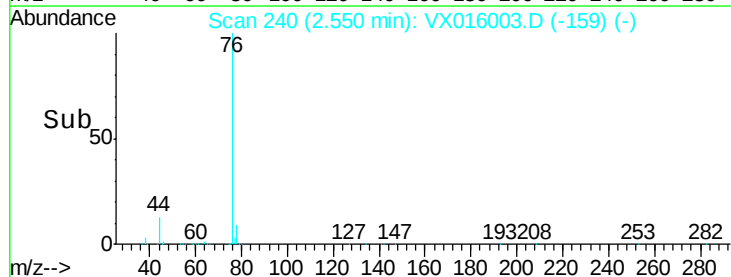
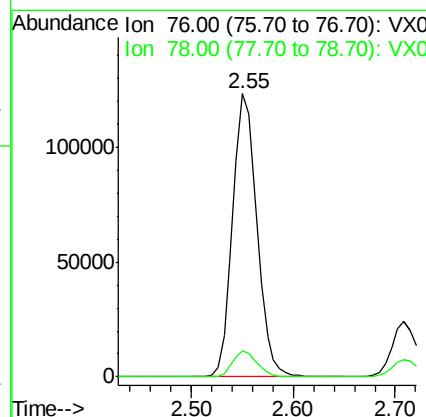
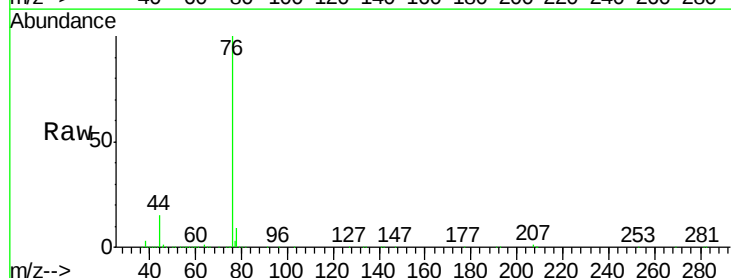
Manual Integrations
APPROVED

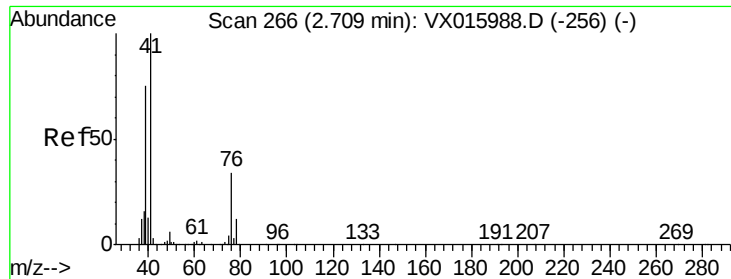
MMDadoda
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#16
Carbon Disulfide
Concen: 18.576 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.1	7.7	11.5	





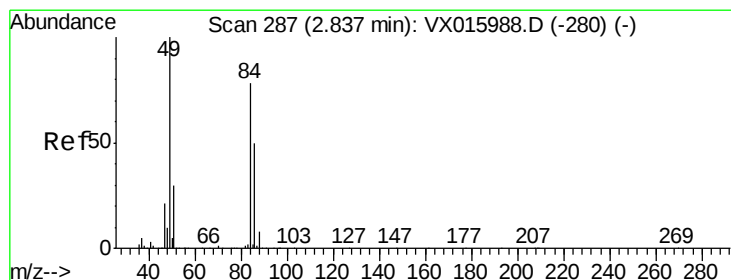
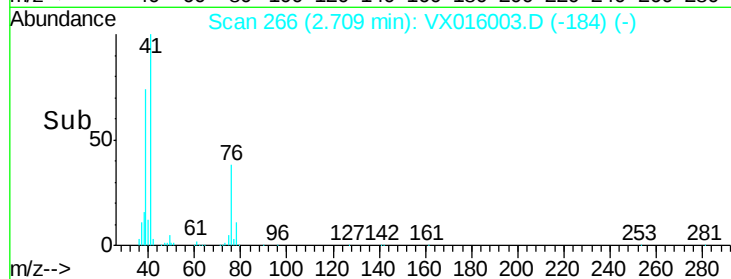
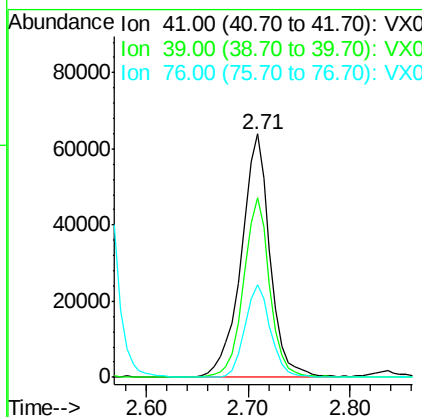
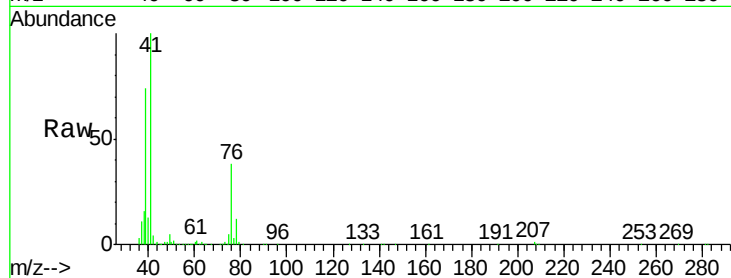
#17
Allvl chloride
Concen: 18.590 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.7	37.6	112.8
76	37.8	17.2	51.5

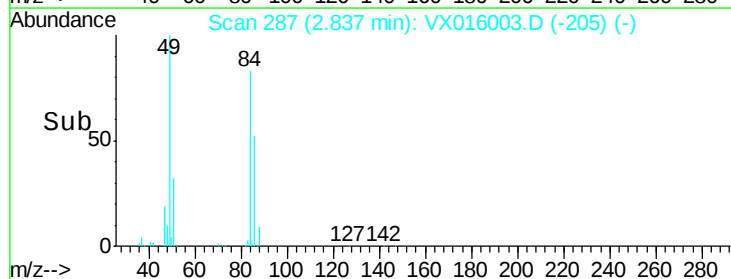
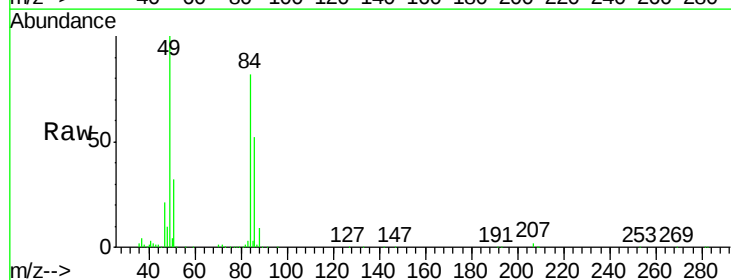
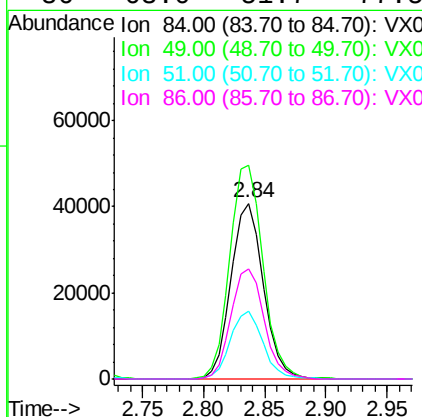
Manual Integrations
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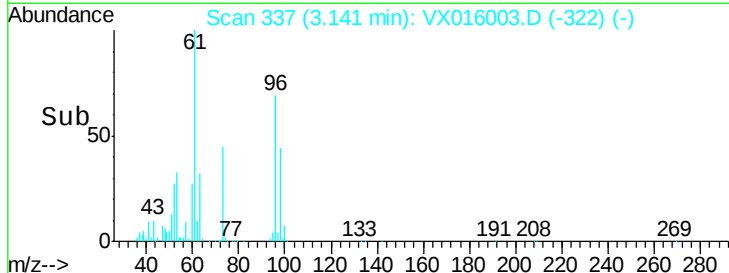
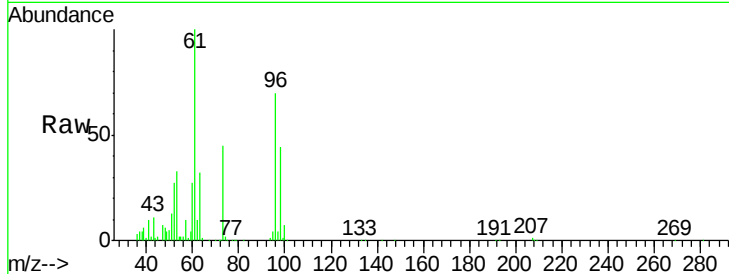
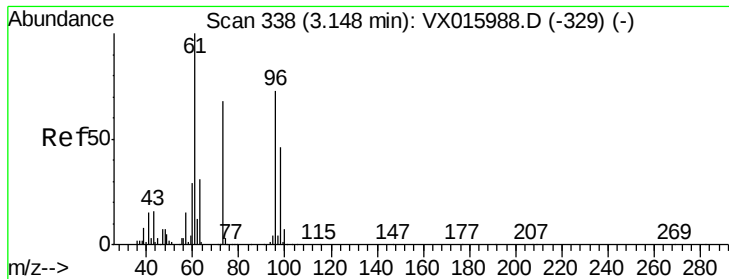
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#18
Methylene Chloride
Concen: 18.604 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.4	103.0	154.4
51	38.5	31.4	47.0
86	63.0	51.7	77.5





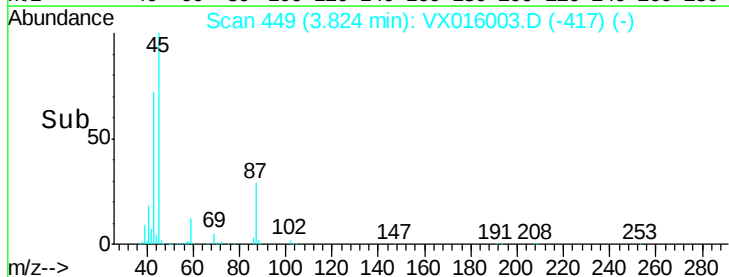
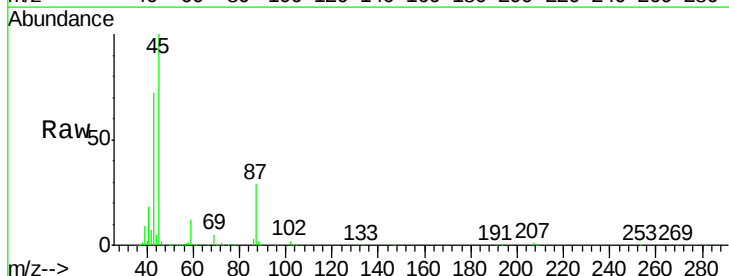
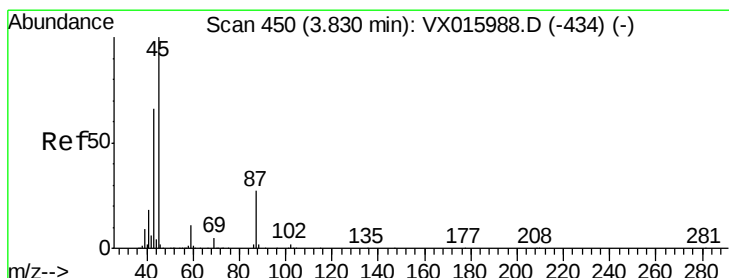
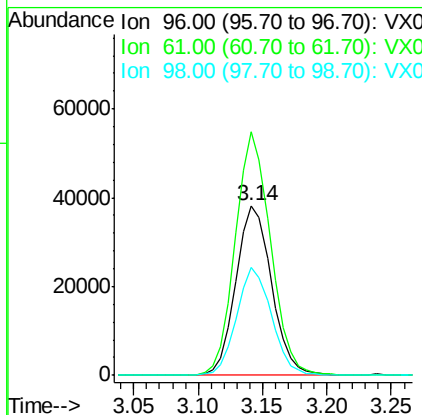
#19
trans-1,2-Dichloroethene
Concen: 18.460 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	109.0	163.4
98	63.9	50.0	75.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

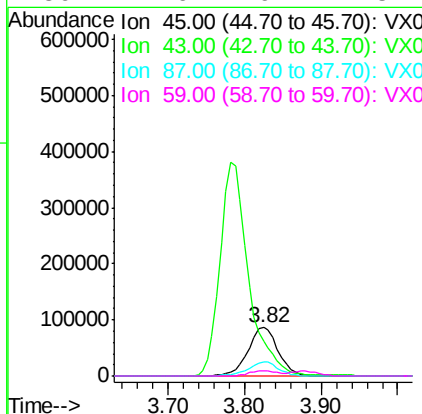
Manual Integrations
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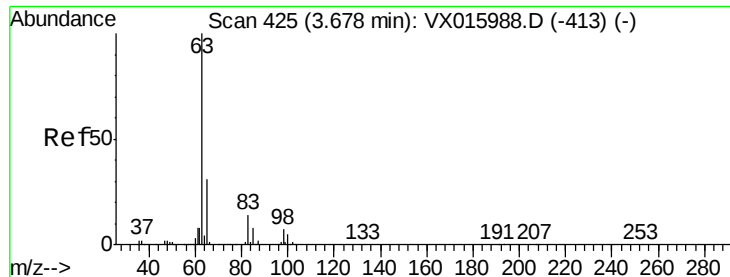
MMDadoda
5/4/2020 2:19:49 PM



#20
Diisopropyl ether
Concen: 18.470 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.5	53.0	79.4
87	29.0	21.9	32.9
59	11.6	9.1	13.7





#21

1,1-Dichloroethane

Concen: 18.502 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

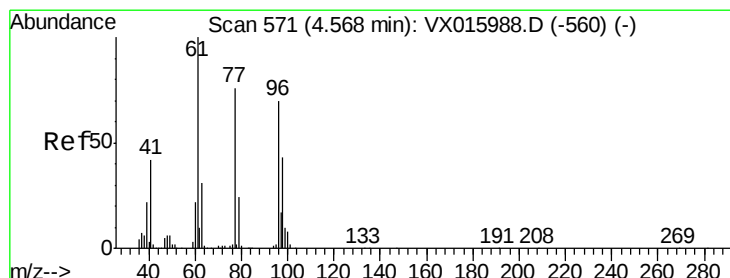
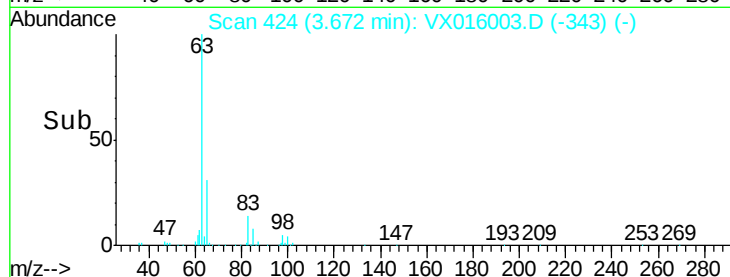
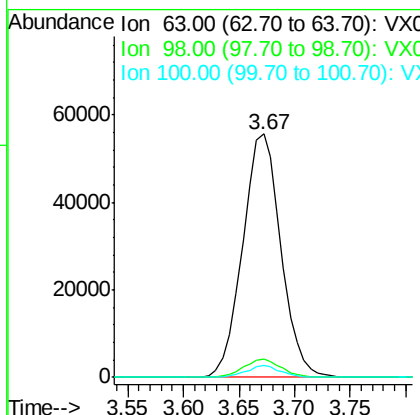
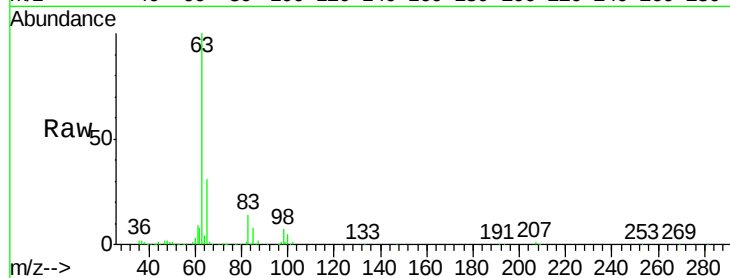
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	132987
Ion Ratio	Lower	Upper	
63	100		
98	7.4	3.5	10.4
100	4.7	2.3	6.9

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.333 ug/l

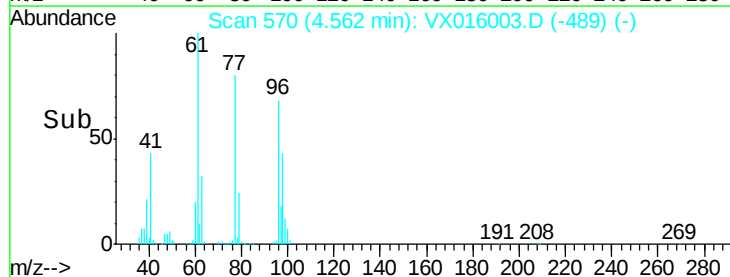
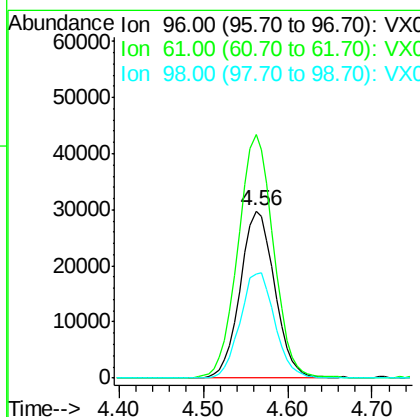
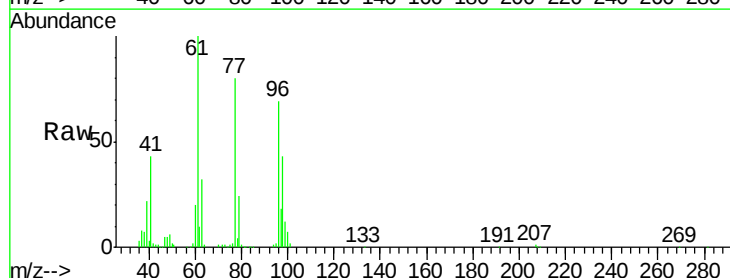
RT: 4.56 min Scan# 570

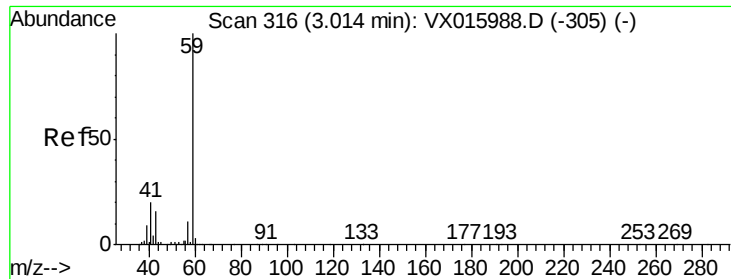
Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tgt Ion:	96	Resp:	82008
Ion Ratio	Lower	Upper	
96	100		
61	150.5	121.6	182.4
98	63.9	51.9	77.9





#23

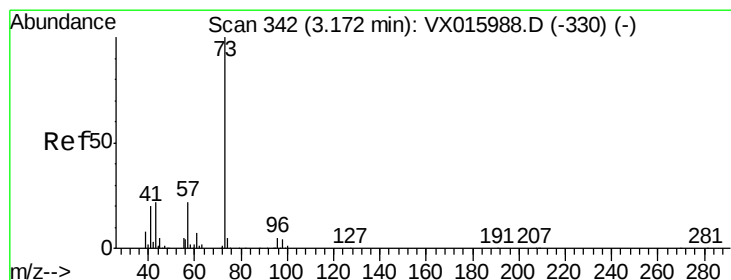
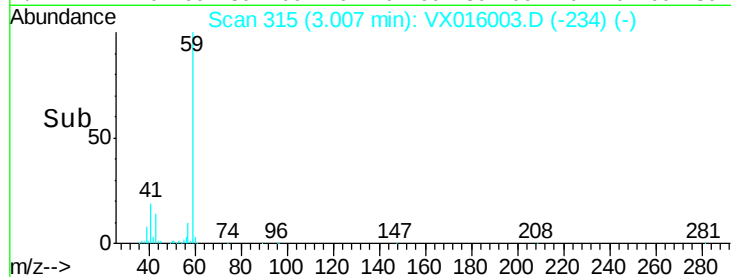
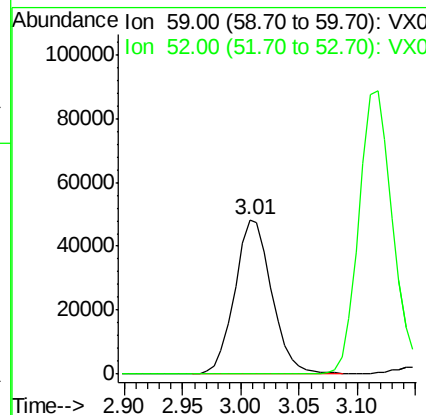
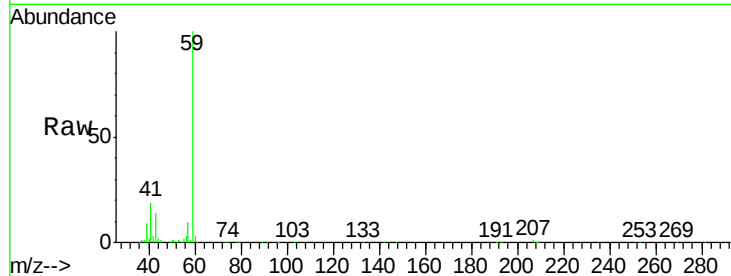
tert-Butyl Alcohol
 Concen: 94.379 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
52	0.0	0.1	0.1#	

Manual Integrations
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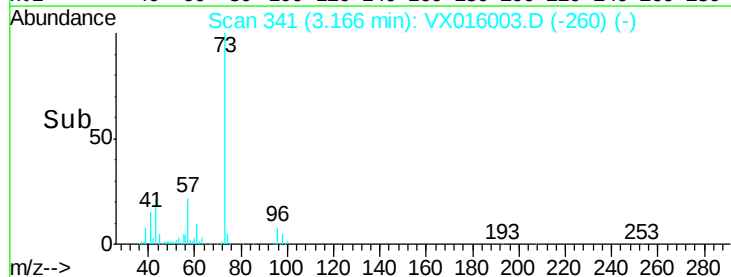
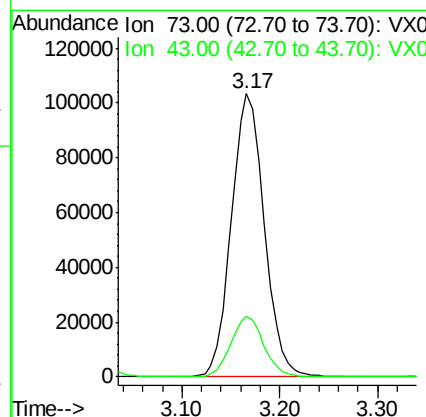
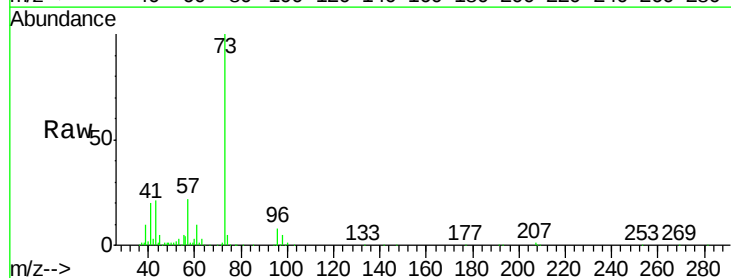
MMDadoda
 5/4/2020 2:19:49 PM

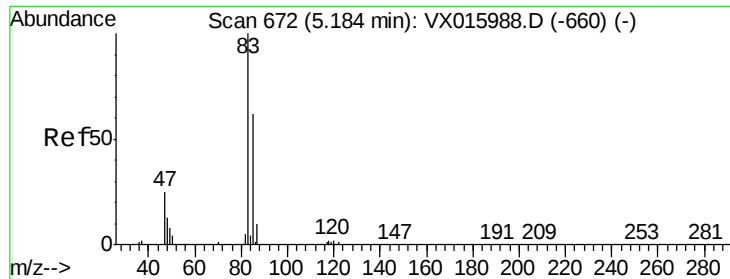


#24

Methyl tert-Butyl Ether
 Concen: 18.532 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	21.4	17.8	26.6	





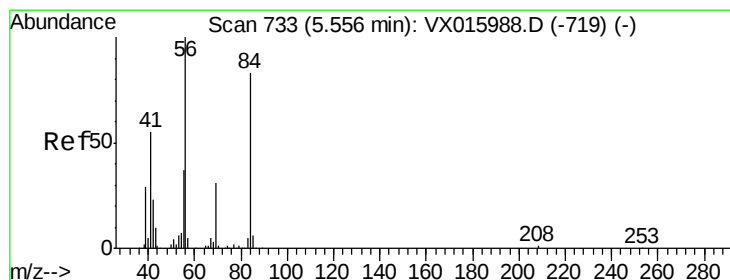
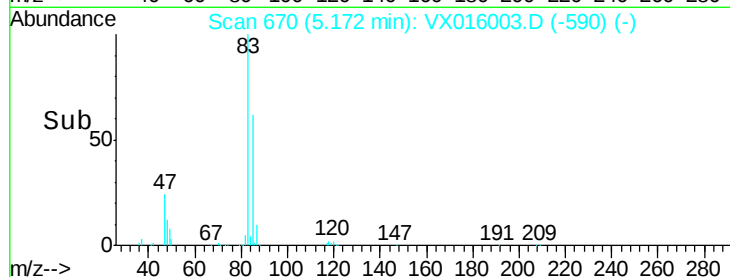
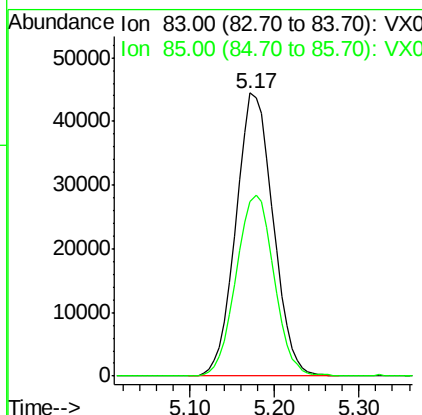
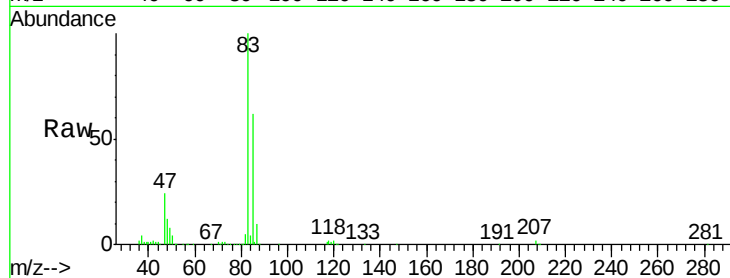
#25
Chloroform
Concen: 18.226 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	133046
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	49.6	74.4

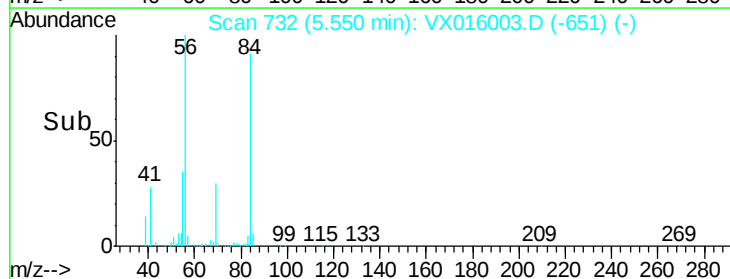
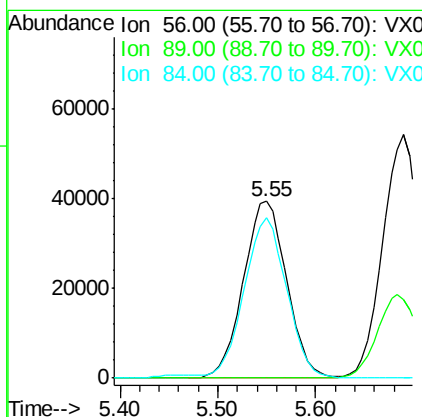
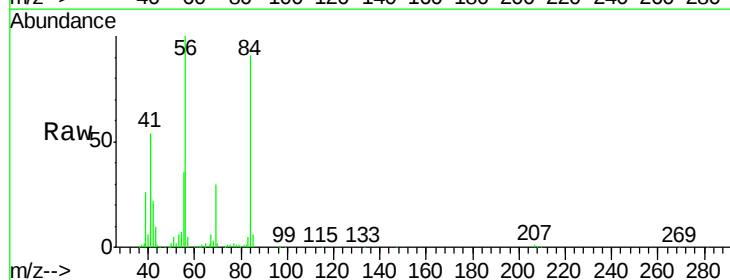
Manual Integrations
APPROVED

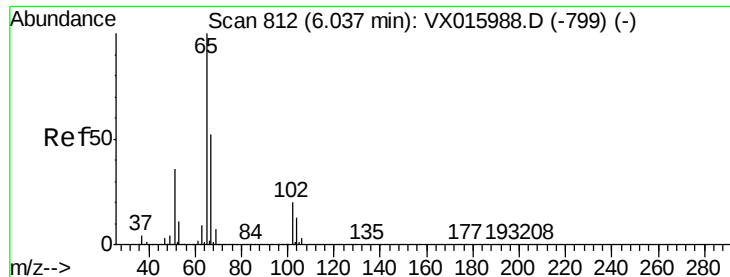
MMDadoda
5/4/2020 2:19:49 PM



#26
Cyclohexane
Concen: 18.406 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	56	Resp	120976
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	89.2	70.1	105.1





#27

1,2-Dichloroethane-d4

Concen: 29.691 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 143717

Ion Ratio Lower Upper

65 100

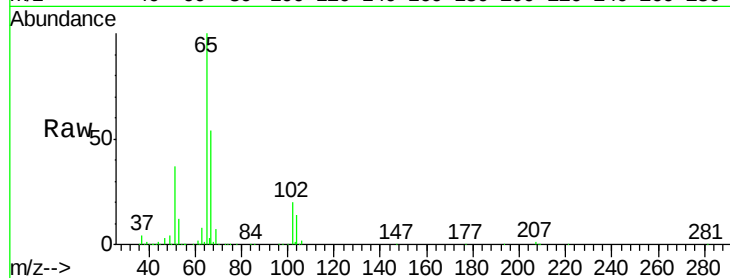
67 52.0 41.0 61.4

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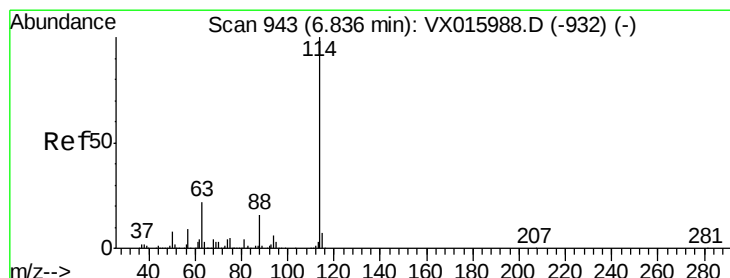
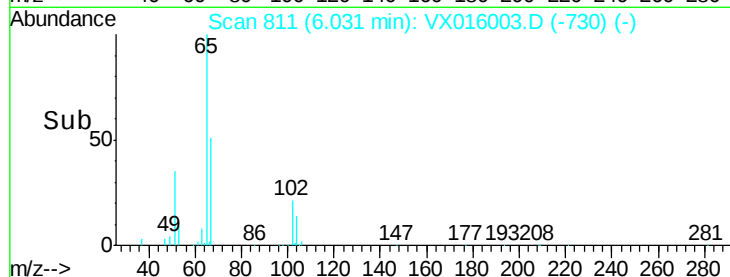
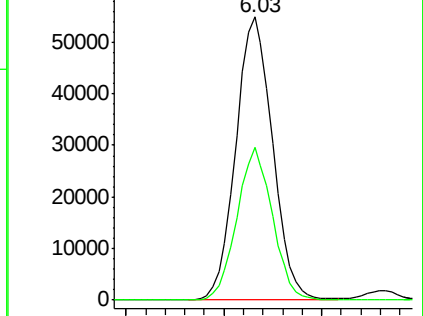
MMDadoda

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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. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

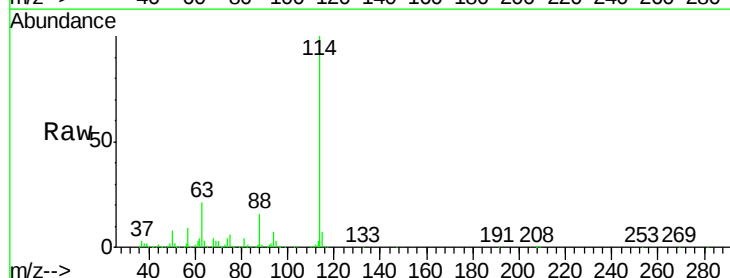
Tgt Ion: 114 Resp: 353004

Ion Ratio Lower Upper

114 100

63 21.0 17.1 25.7

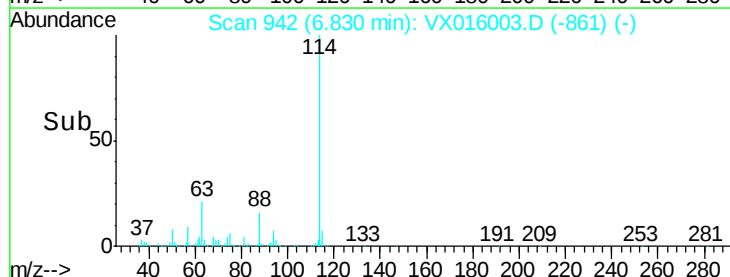
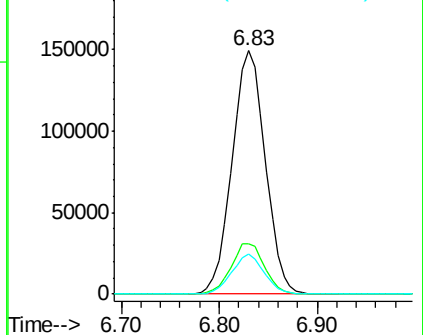
88 15.9 13.0 19.4

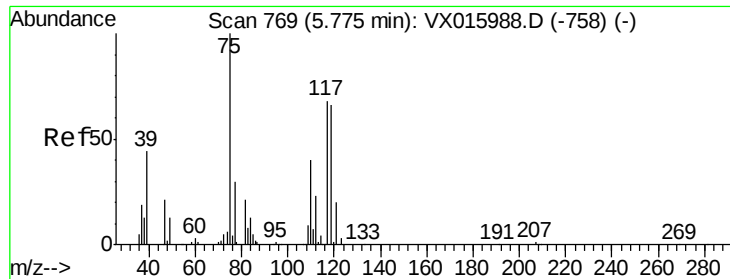


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 18.073 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

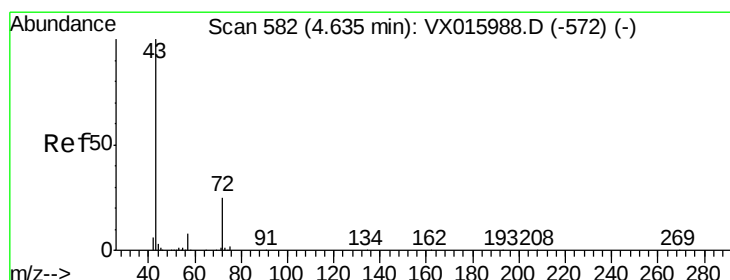
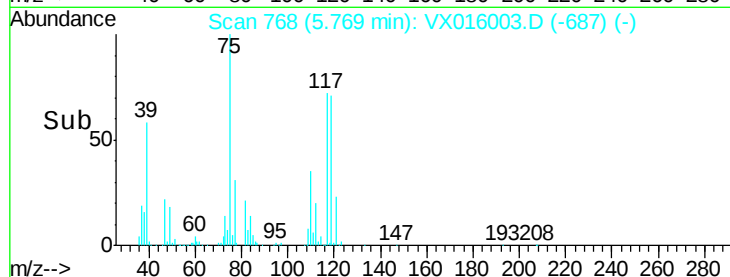
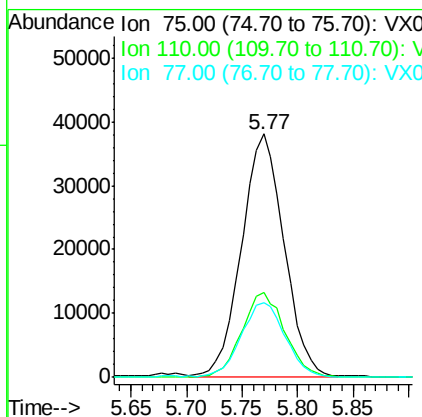
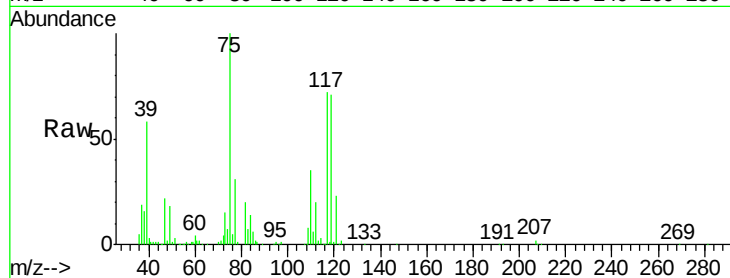
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	100342
Ion Ratio	Lower	Upper	
75	100		
110	35.5	0.0	71.0
77	31.8	0.0	64.2

Manual Integrations
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#30

2-Butanone

Concen: 89.041 ug/l

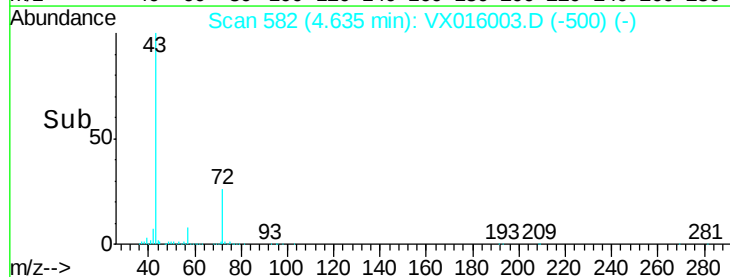
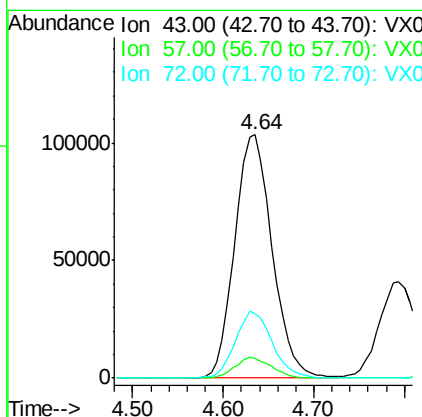
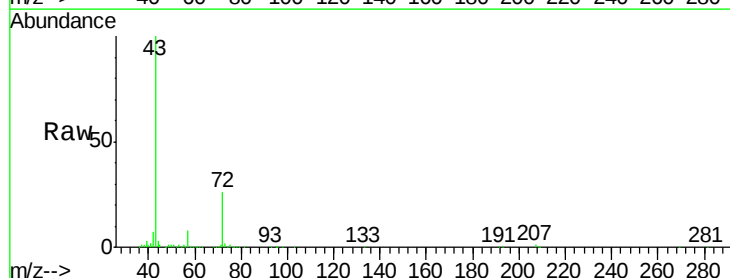
RT: 4.64 min Scan# 582

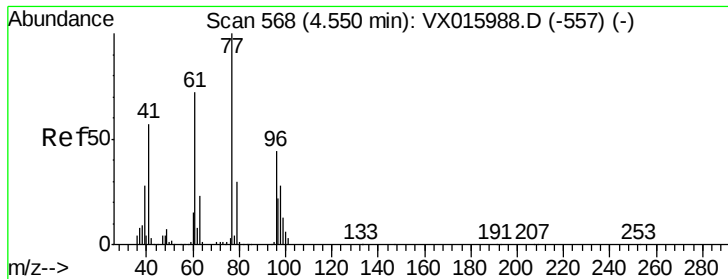
Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tgt Ion:	43	Resp:	294565
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.3	9.5
72	27.0	20.8	31.2





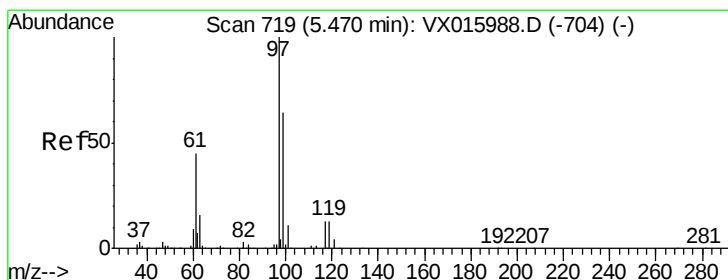
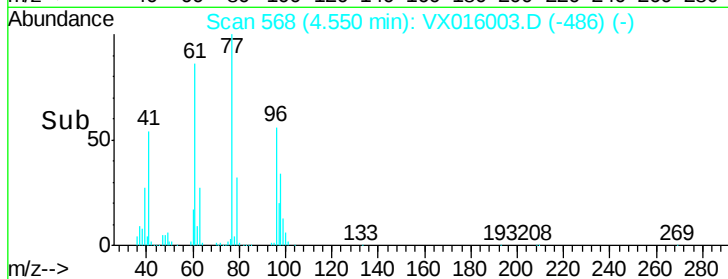
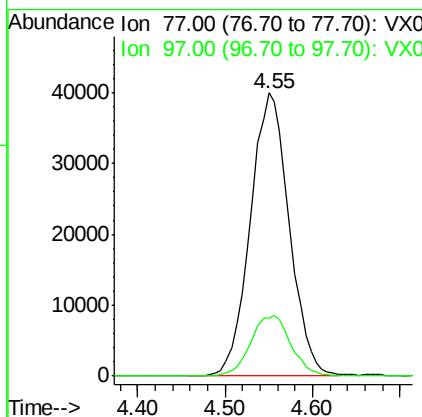
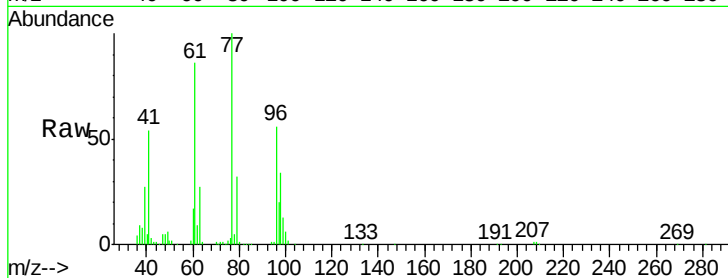
#31
 2,2-Dichloropropane
 Concen: 18.522 ug/l
 RT: 4.55 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.2	17.8	26.8

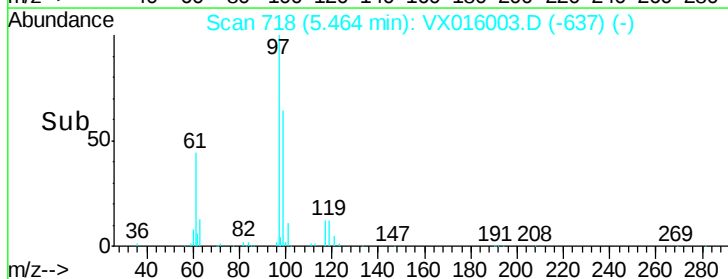
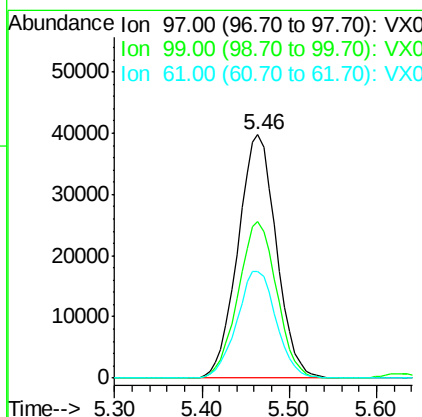
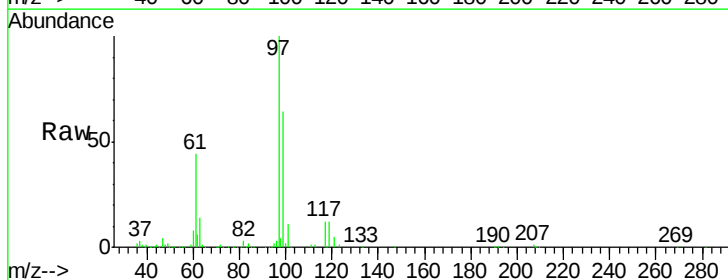
Manual Integrations
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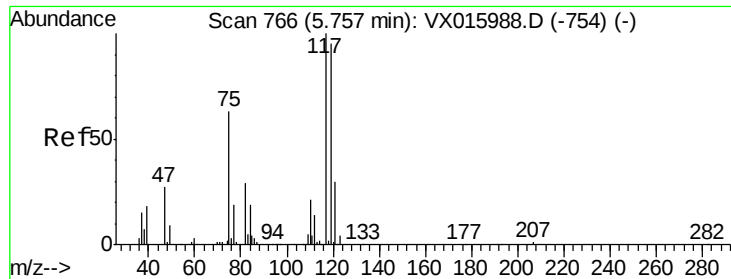
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#32
 1,1,1-Trichloroethane
 Concen: 18.048 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.7	76.1
61	44.9	35.9	53.9





#33

Carbon Tetrachloride

Concen: 18.093 ug/l

RT: 5.75 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

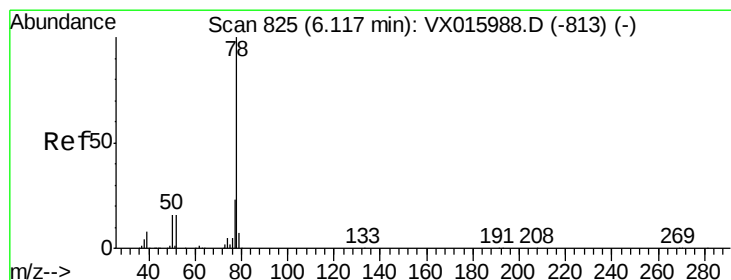
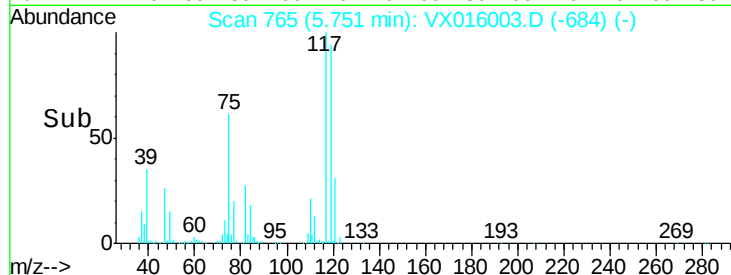
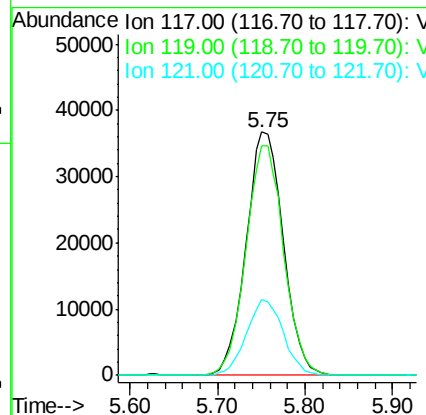
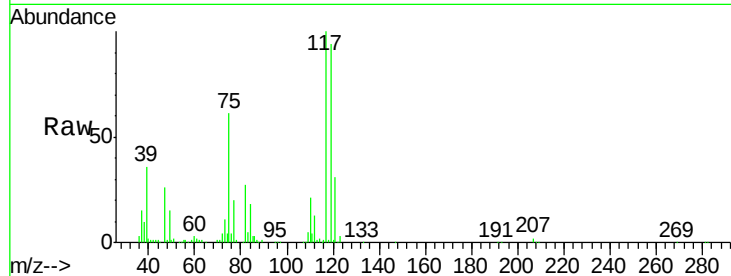
ClientSampleId :

VSTDCCC020

Tot Ion:	117	Resp:	108500
Ion Ratio	Lower	Upper	
117	100		
119	94.2	76.3	114.5
121	31.0	24.2	36.4

Manual Integrations
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#34

Benzene

Concen: 18.405 ug/l

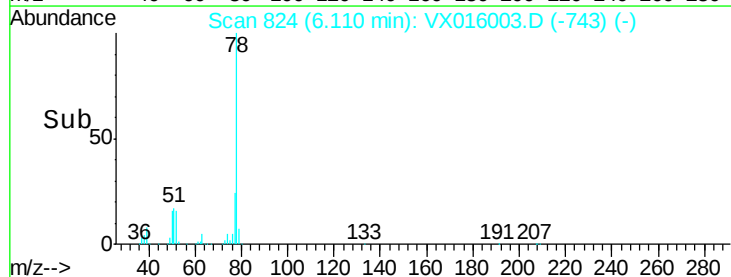
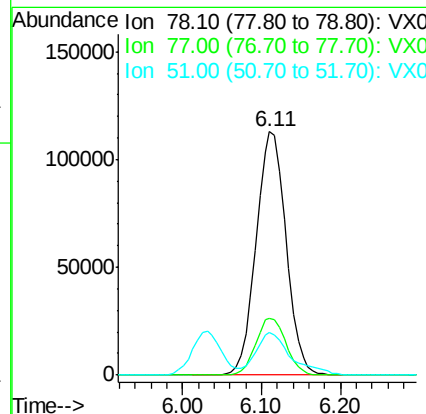
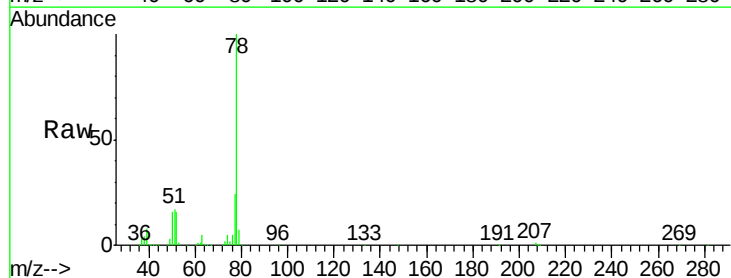
RT: 6.11 min Scan# 824

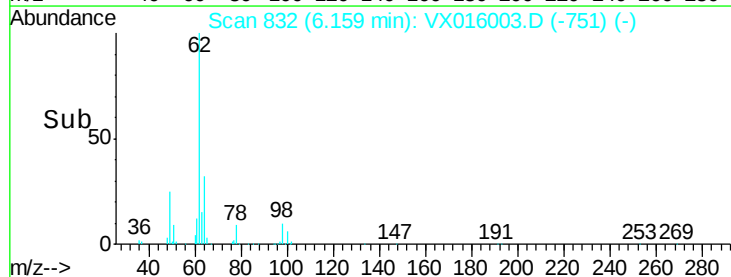
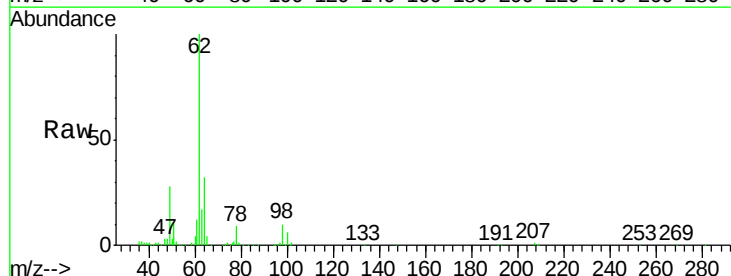
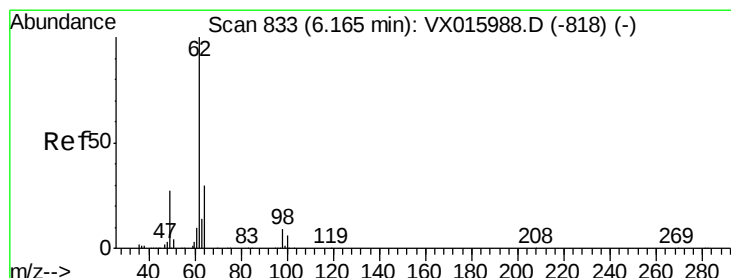
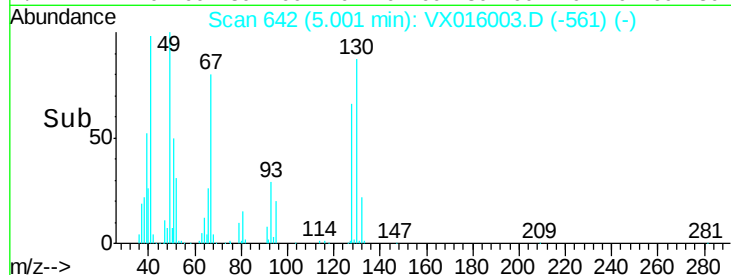
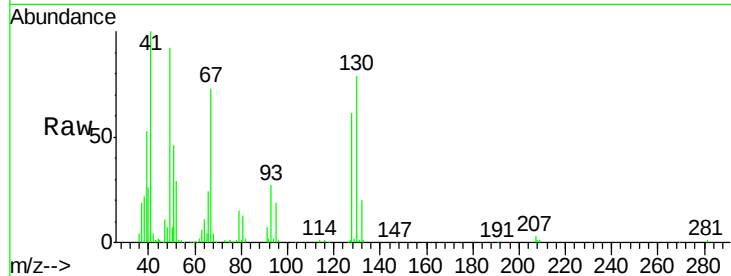
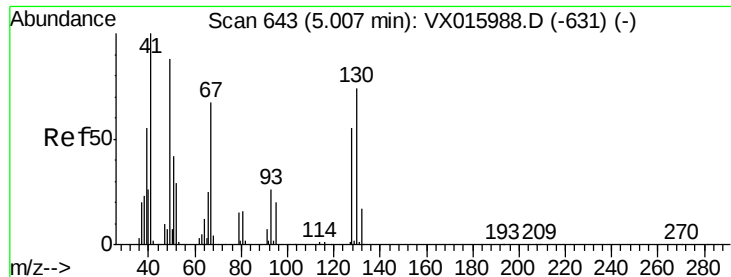
Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tgt Ion:	78	Resp:	298470
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.7	28.1
51	17.2	12.7	19.1





#35

Methacrylonitrile

Concen: 18.489 ug/l

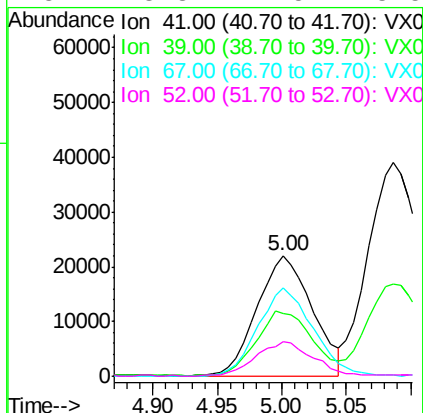
RT: 5.00 min Scan# 642

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tot Ion	Ion	Ratio	Lower	Upper
64957	41	100		
	39	52.4	27.5	82.4
	67	73.4	33.6	100.6
	52	28.3	14.5	43.5



Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Manual Integrations
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#36

1,2-Dichloroethane

Concen: 17.926 ug/l

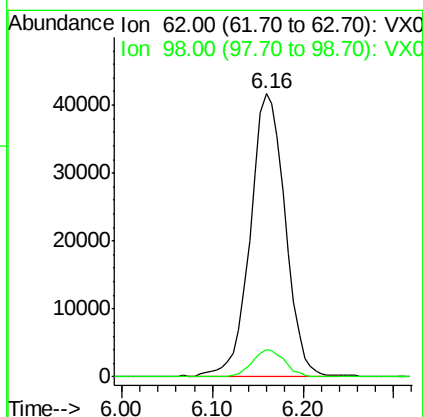
RT: 6.16 min Scan# 832

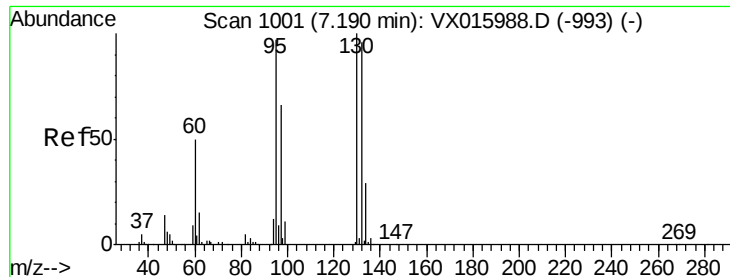
Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tgt Ion	Ion	Ratio	Lower	Upper
111016	62	100		
	98	9.1	7.4	11.2





#37

Trichloroethene

Concen: 18.992 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 109562

Ion Ratio Lower Upper

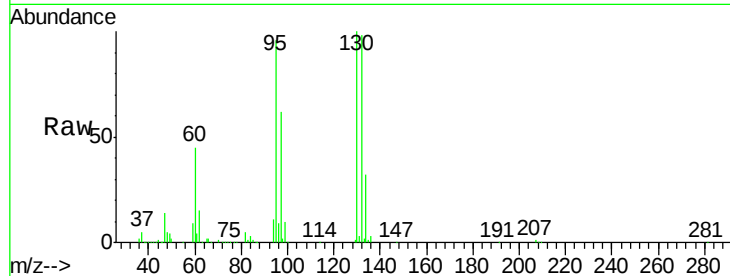
130 100

95 96.3 77.8 116.8

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

60000

50000

40000

30000

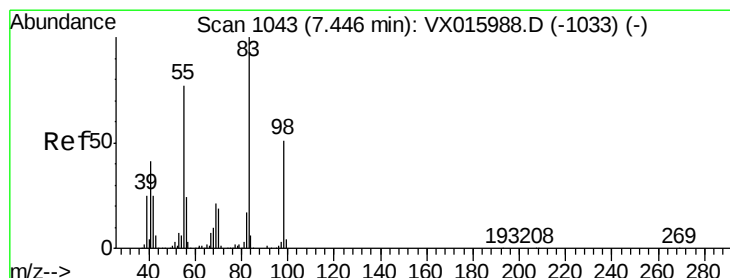
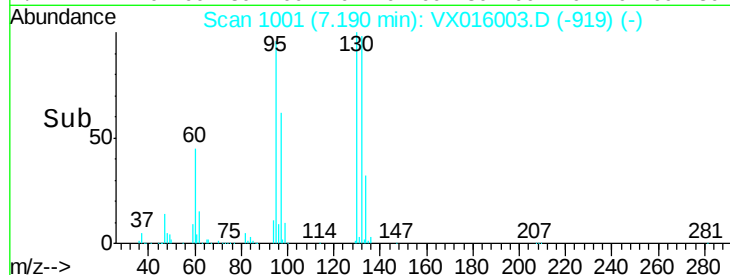
20000

10000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 18.139 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

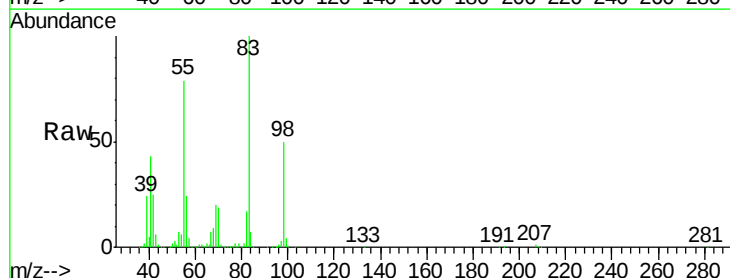
Tgt Ion: 83 Resp: 123072

Ion Ratio Lower Upper

83 100

55 78.0 38.8 116.4

98 49.5 25.1 75.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

60000

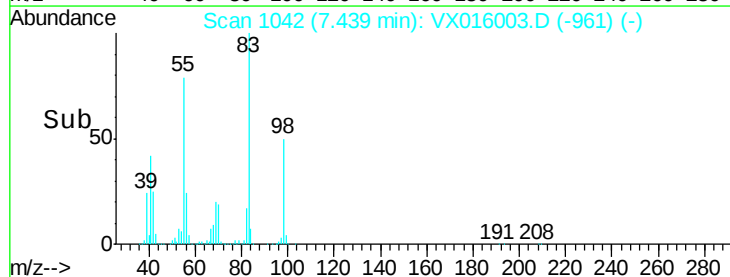
40000

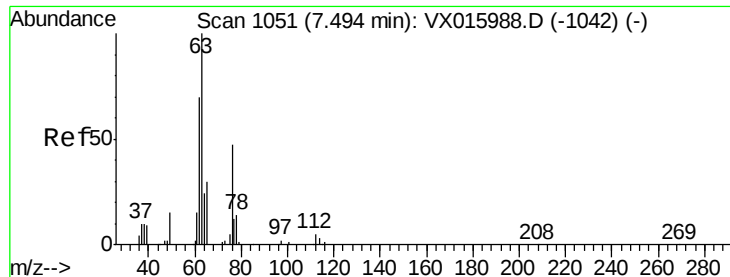
20000

0

7.30 7.40 7.50

Time-->





#39

1,2-Dichloropropane

Concen: 17.997 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 74917

Ion Ratio Lower Upper

63 100

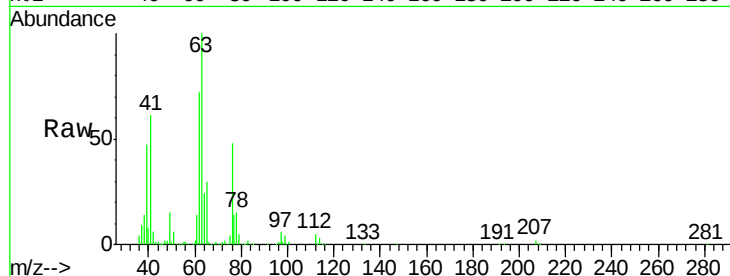
65 30.1 25.9 38.9

Manual Integrations

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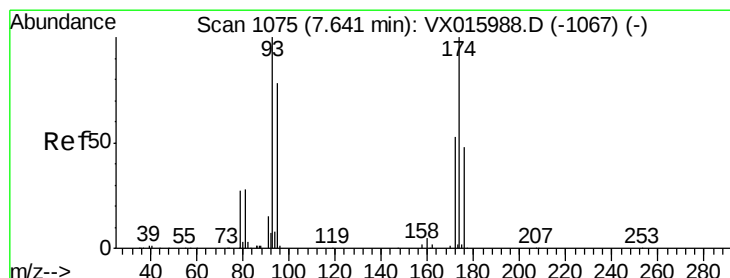
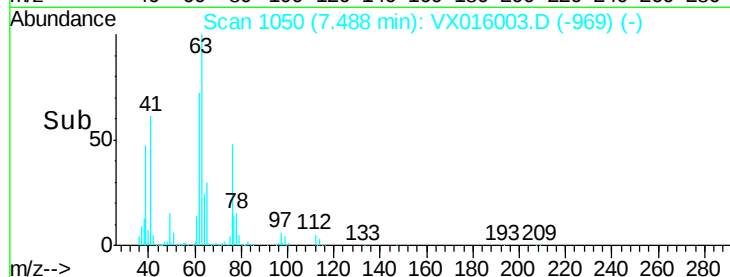
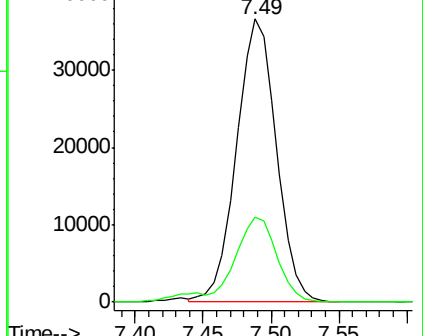
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 17.905 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

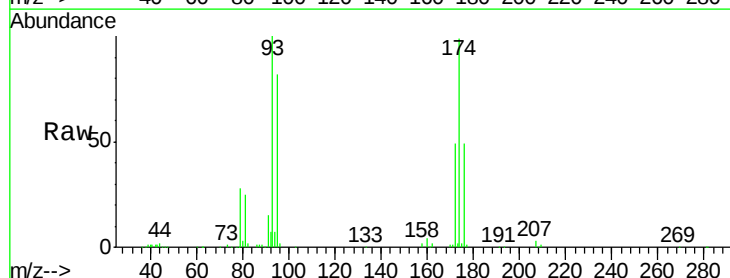
Tgt Ion: 93 Resp: 51755

Ion Ratio Lower Upper

93 100

95 82.2 0.0 162.8

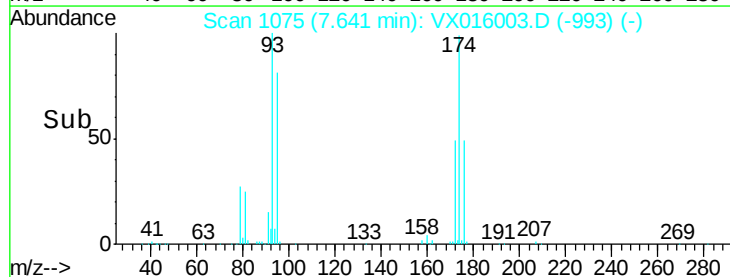
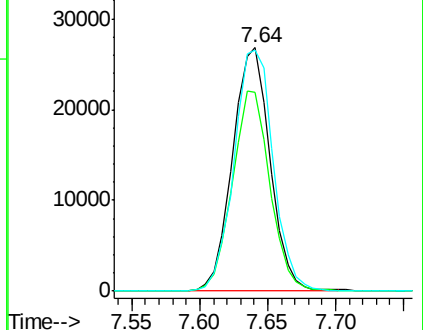
174 103.3 0.0 204.0

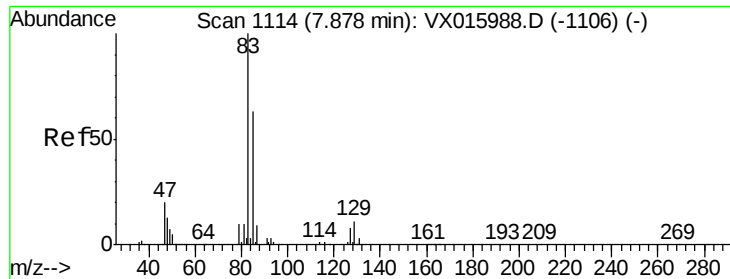


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 17.993 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

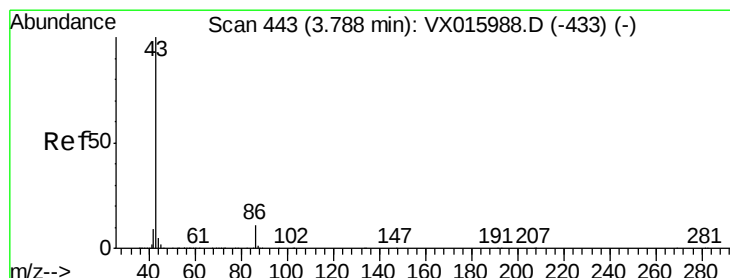
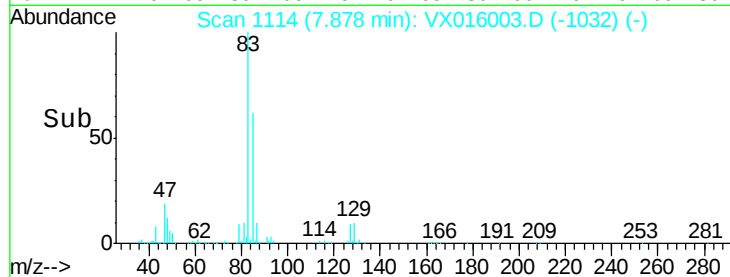
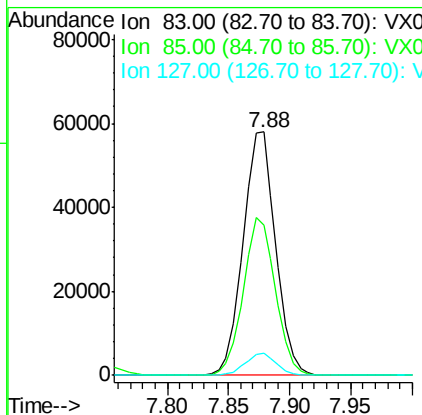
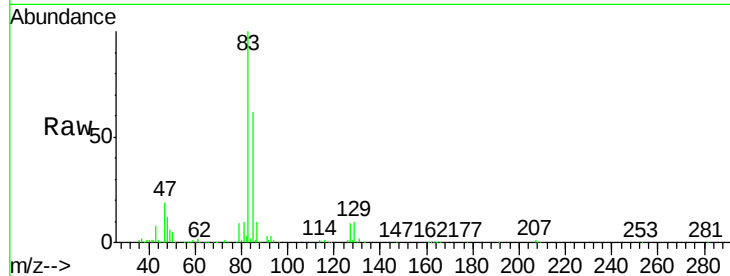
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	107219
Ion Ratio	Lower	Upper	
83	100		
85	61.7	50.4	75.6
127	9.4	6.7	10.1

Manual Integrations
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#42

Vinyl Acetate

Concen: 90.352 ug/l

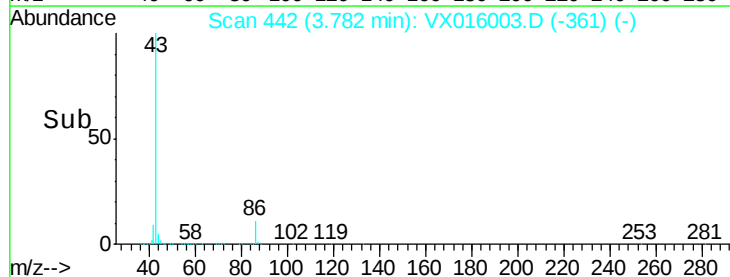
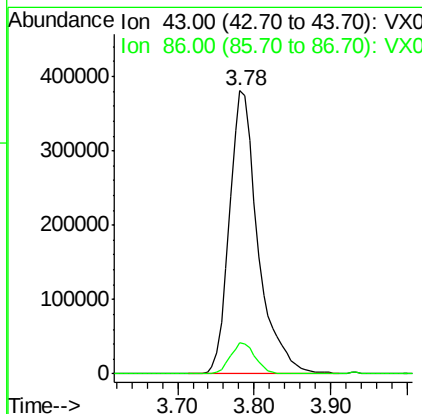
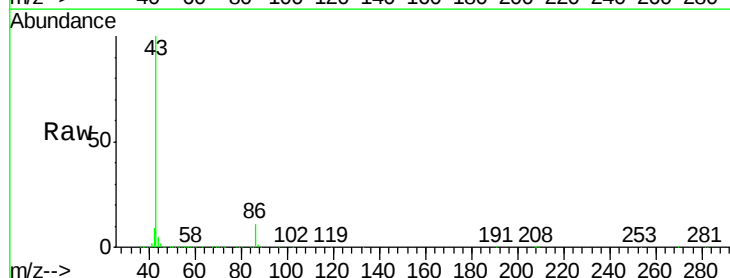
RT: 3.78 min Scan# 442

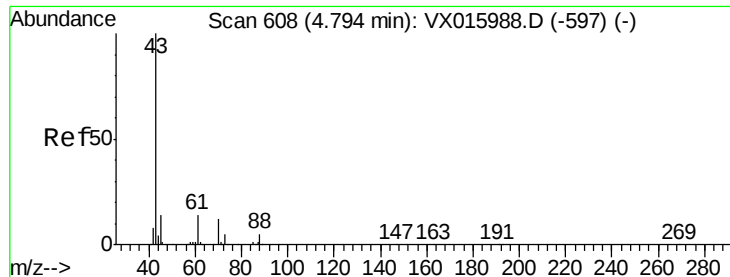
Delta R.T. -0.01 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tgt Ion:	43	Resp:	988878
Ion Ratio	Lower	Upper	
43	100		
86	9.6	7.7	11.5





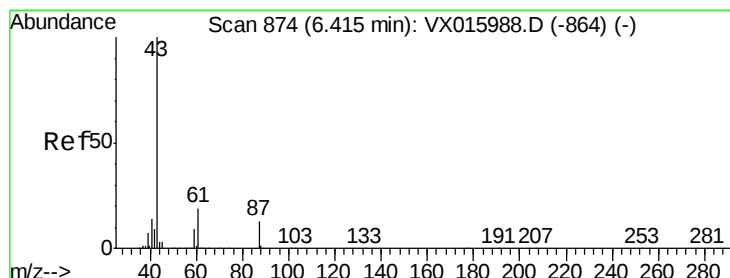
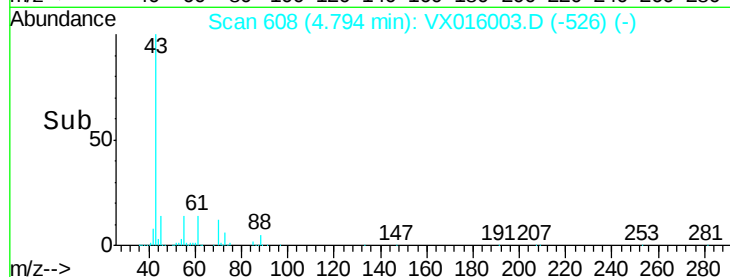
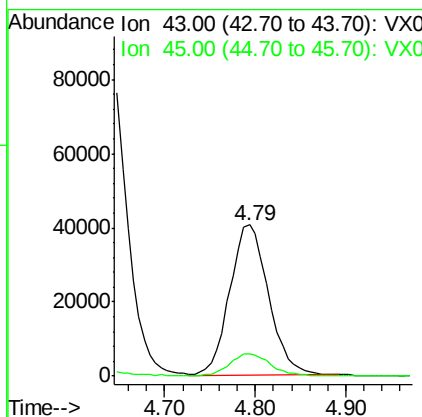
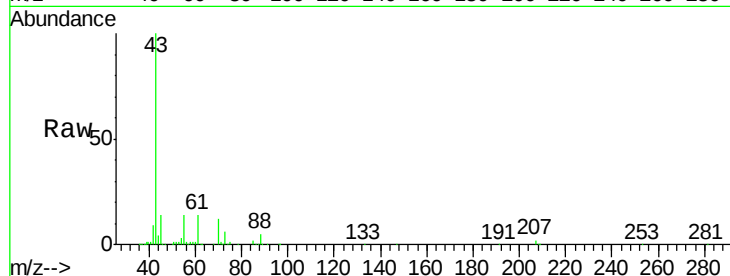
#43
Ethyl Acetate
Concen: 18.391 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	43	Ratio	Lower	Upper
120014	100			
45	14.9	11.9	17.9	

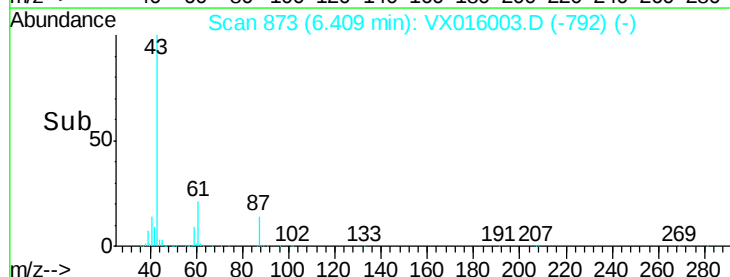
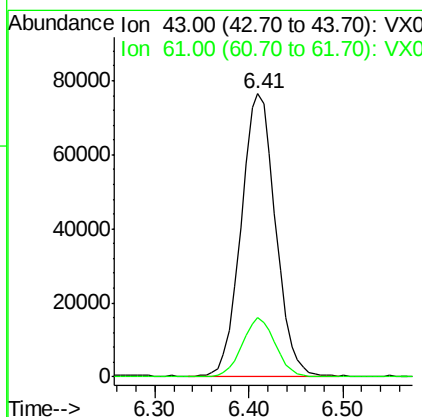
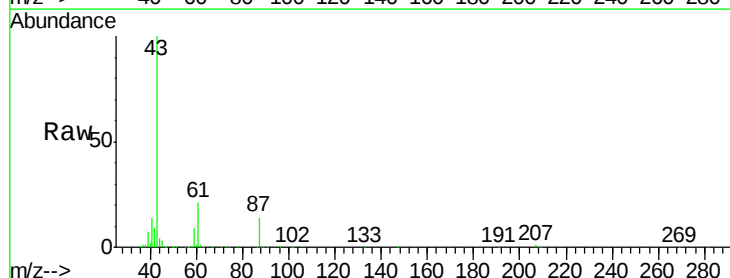
Manual Integrations
APPROVED

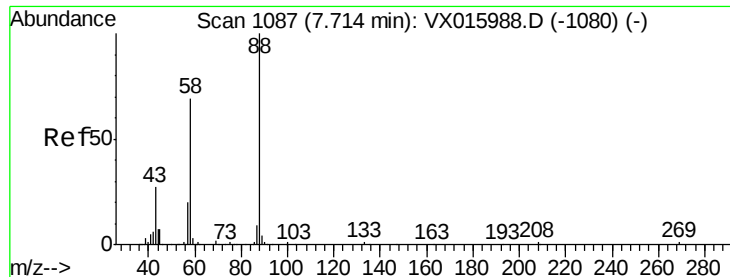
MMDadoda
5/4/2020 2:19:49 PM



#44
Isopropyl Acetate
Concen: 18.309 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	43	Ratio	Lower	Upper
193884	100			
61	20.4	16.1	24.1	





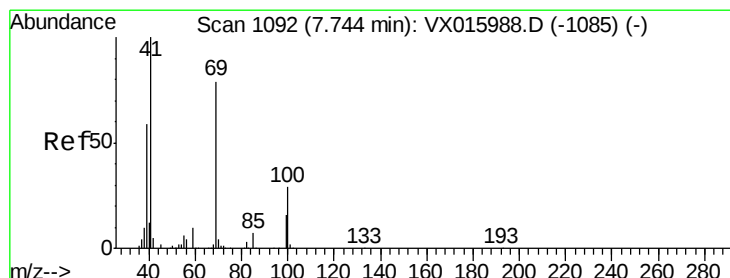
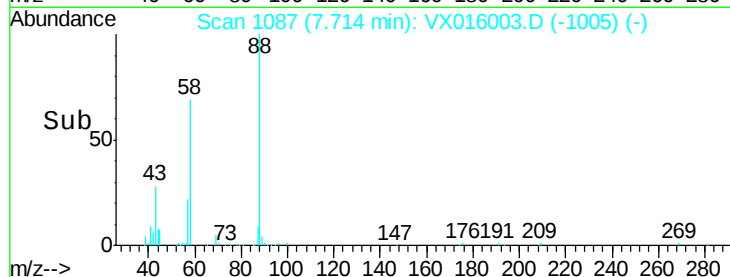
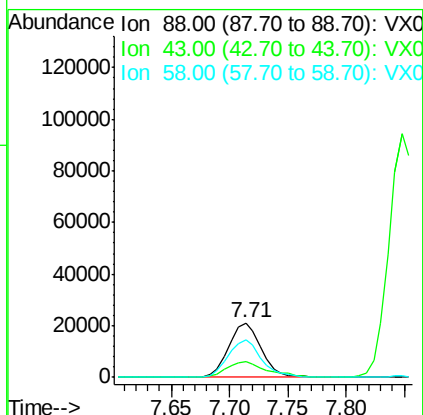
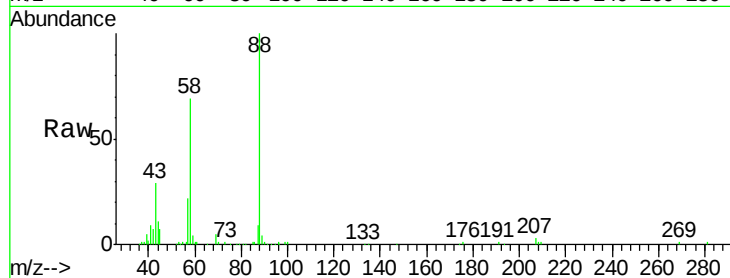
#45
1,4-Dioxane
Concen: 368.118 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.3	39.5
58	69.8	57.0	85.6

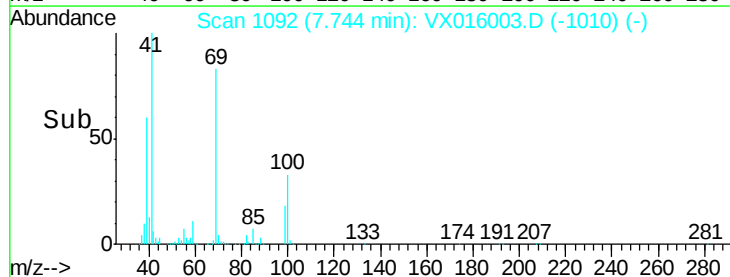
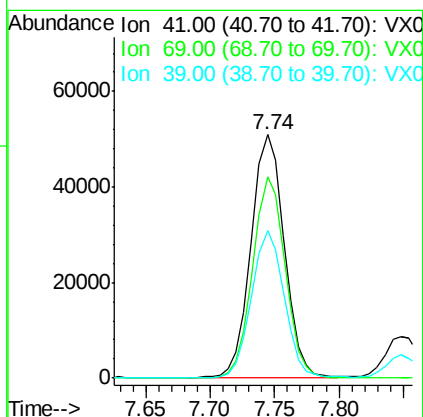
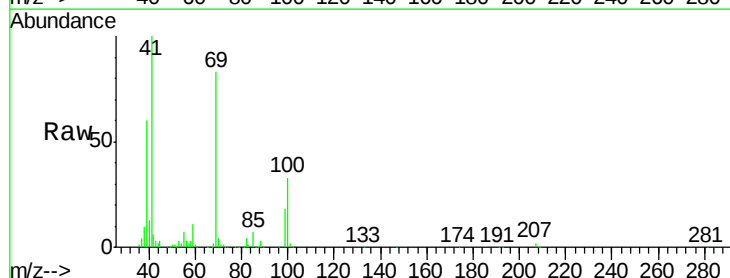
Manual Integrations
APPROVED

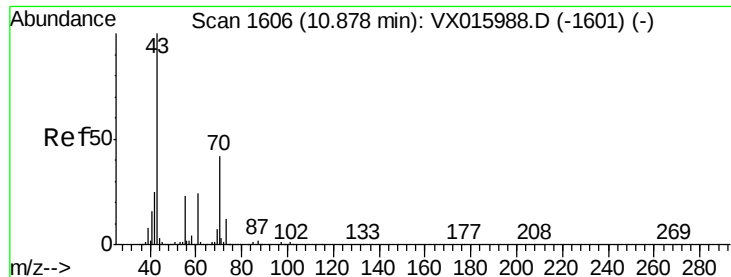
MMDadoda
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#46
Methyl methacrylate
Concen: 18.043 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.1	39.5	118.5
39	60.4	29.6	88.9





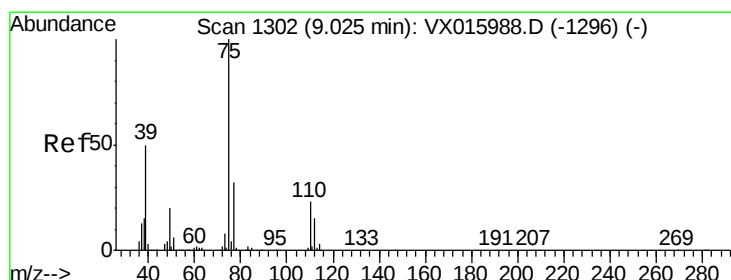
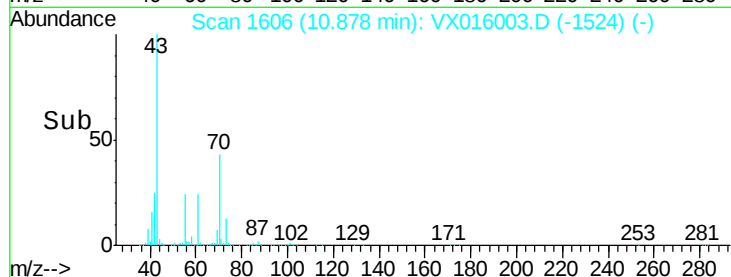
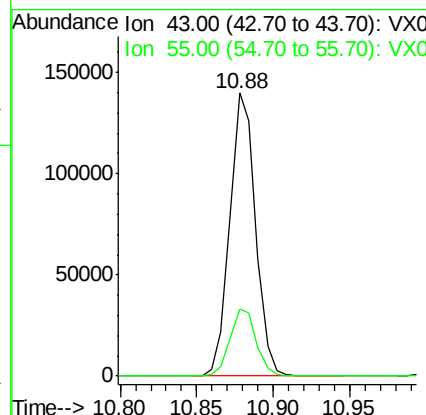
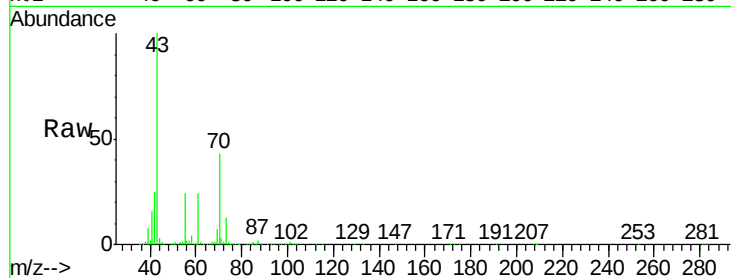
#47
n-amvl Acetate
Concen: 17.556 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	43	55	Ratio	100	24.2	Resp	162564	Lower	19.0	Upper	28.4
Ion	43	55	Ratio	100	24.2	Resp	162564	Lower	19.0	Upper	28.4

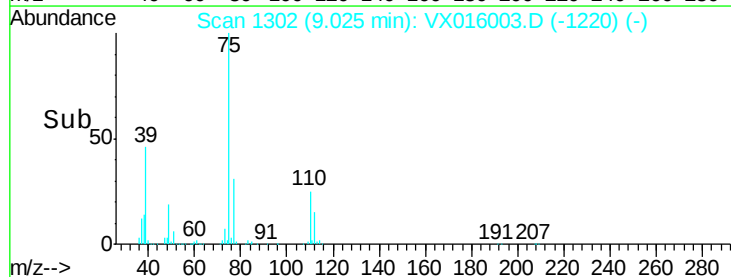
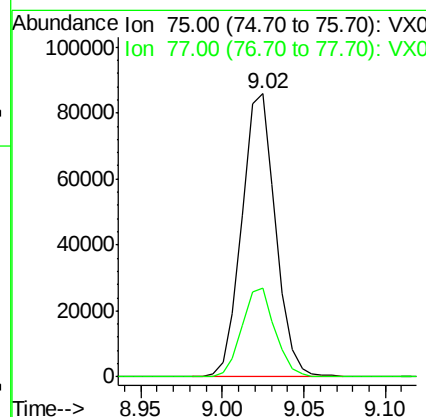
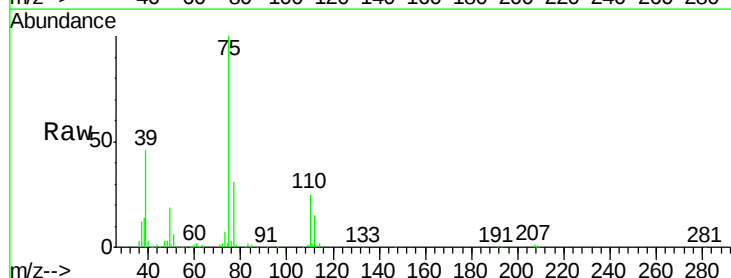
Manual Integrations
APPROVED

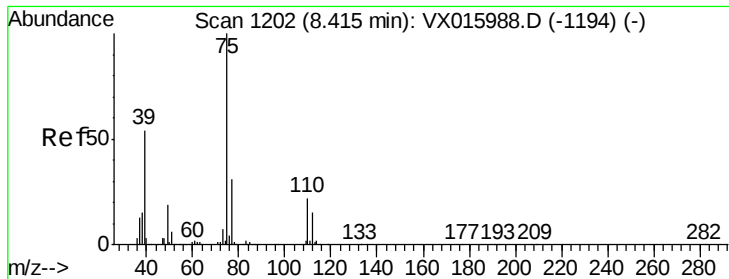
MMDadoda
5/4/2020 2:19:49 PM



#48
t-1,3-Dichloropropene
Concen: 17.924 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	75	77	Ratio	100	31.2	Resp	124028	Lower	25.8	Upper	38.8
Ion	75	77	Ratio	100	31.2	Resp	124028	Lower	25.8	Upper	38.8





#49

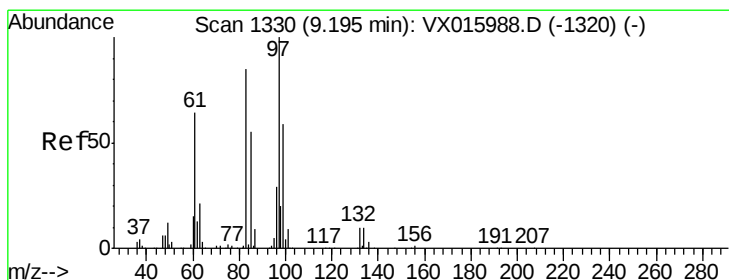
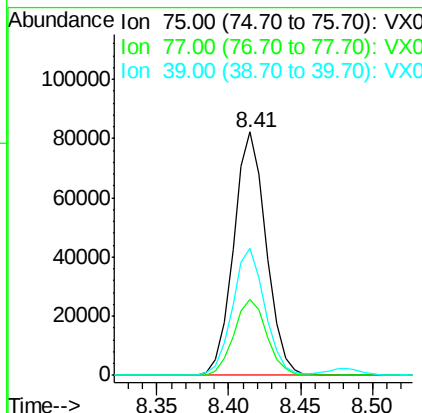
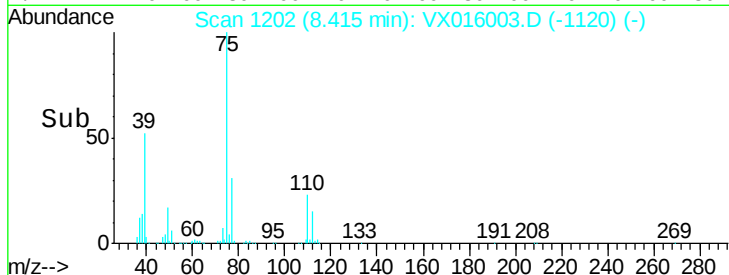
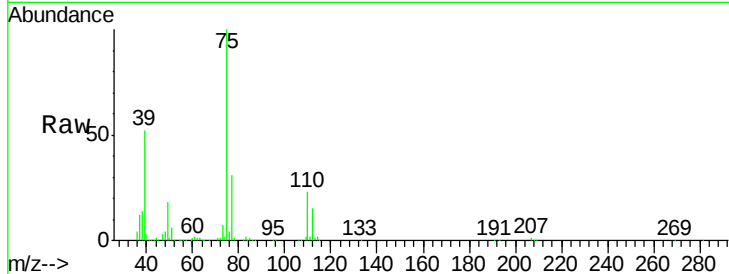
cis-1,3-Dichloropropene
 Concen: 18.029 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6
39	51.9	43.2	64.8

Manual Integrations
 APPROVED

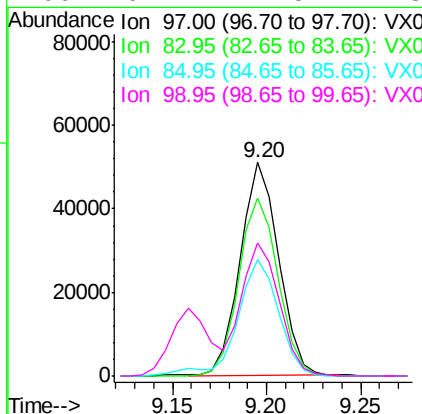
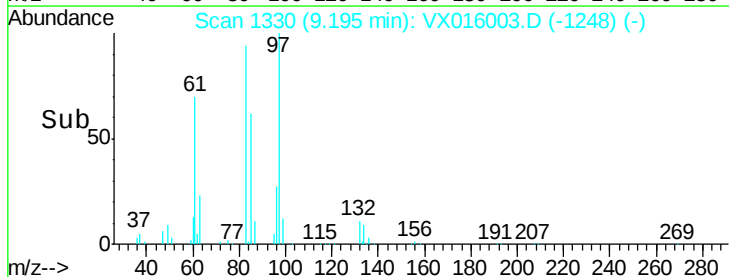
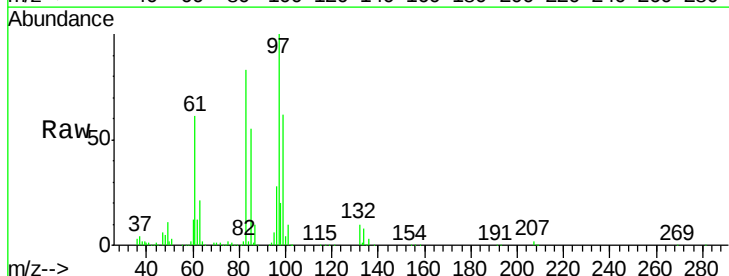
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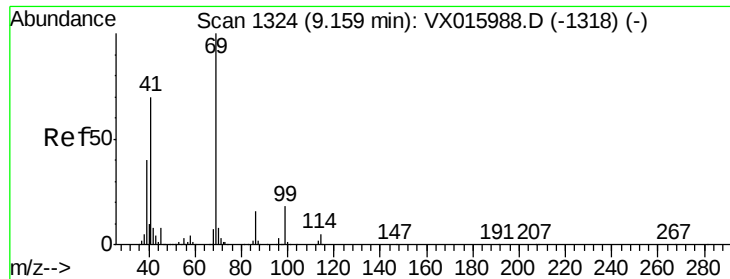


#50

1,1,2-Trichloroethane
 Concen: 17.724 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.7	101.5
85	54.7	43.7	65.5
99	62.1	47.5	71.3





#51

Ethyl methacrylate

Concen: 17.867 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

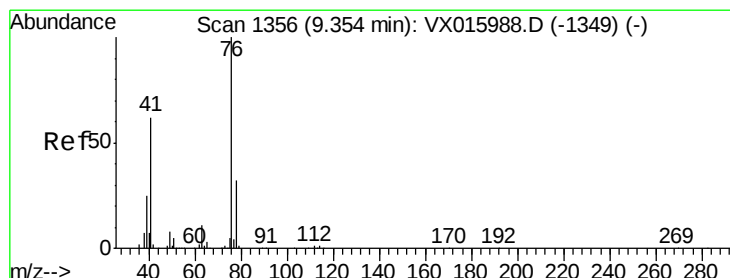
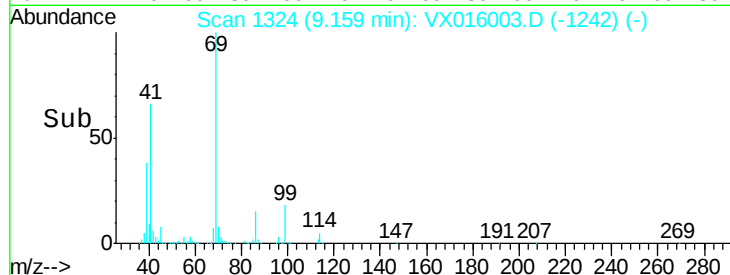
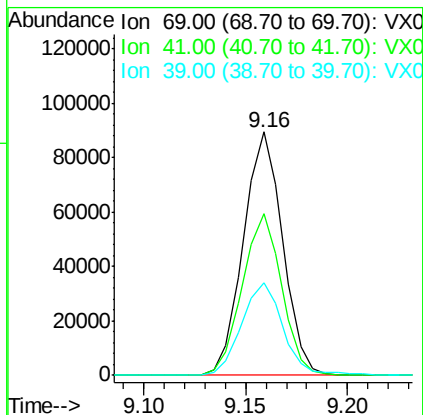
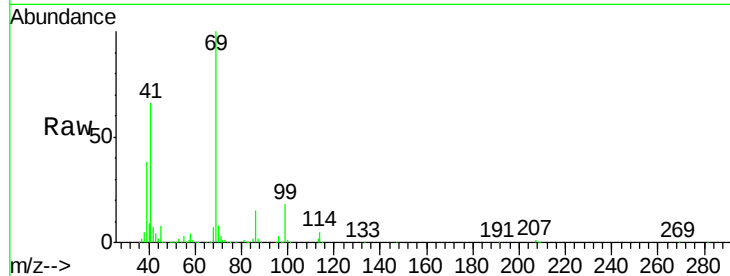
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	120174
Ion Ratio	Lower	Upper	
69	100		
41	66.2	34.8	104.4
39	38.1	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.246 ug/l

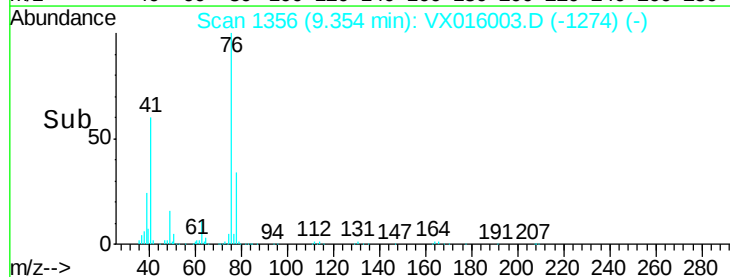
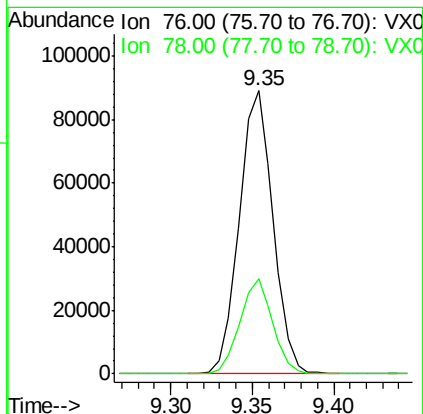
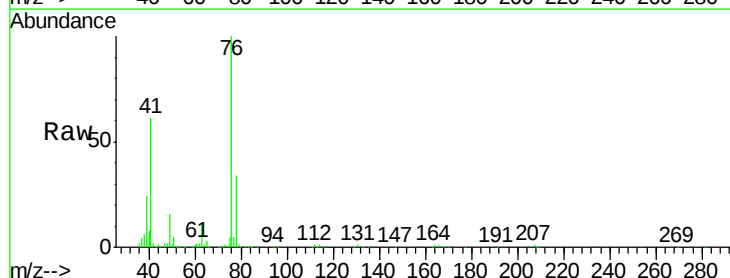
RT: 9.35 min Scan# 1356

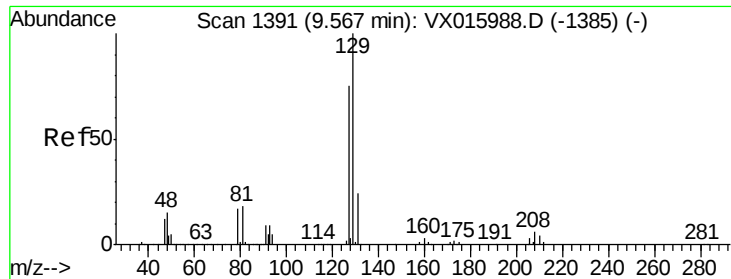
Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tgt Ion:	76	Resp:	128478
Ion Ratio	Lower	Upper	
76	100		
78	32.7	0.0	64.2





#53

Dibromochloromethane

Concen: 17.299 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 80167

Ion Ratio Lower Upper

129 100

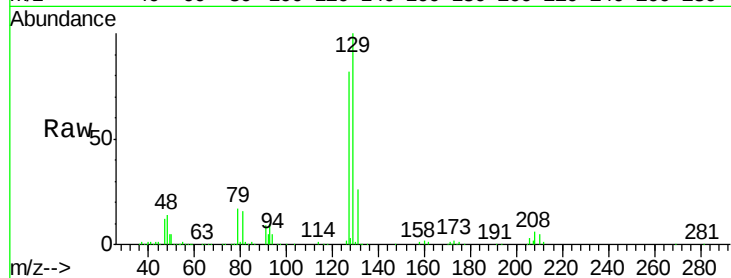
127 79.9 38.3 114.9

Manual Integrations

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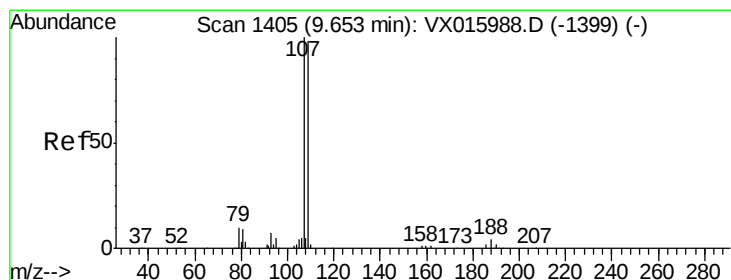
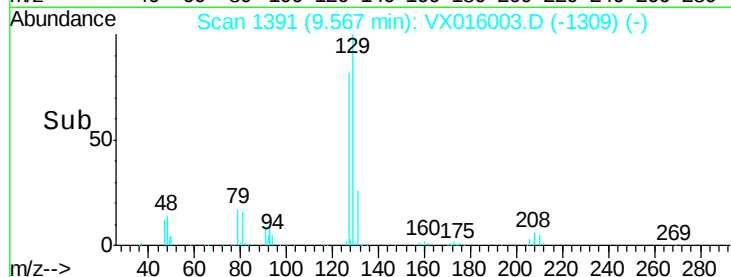
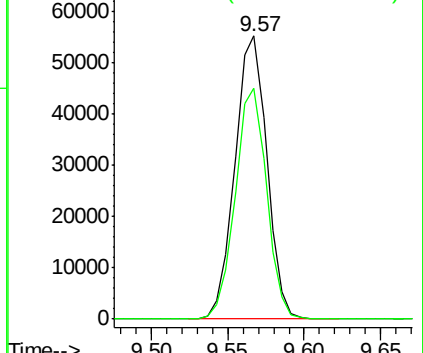
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.708 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016003.D

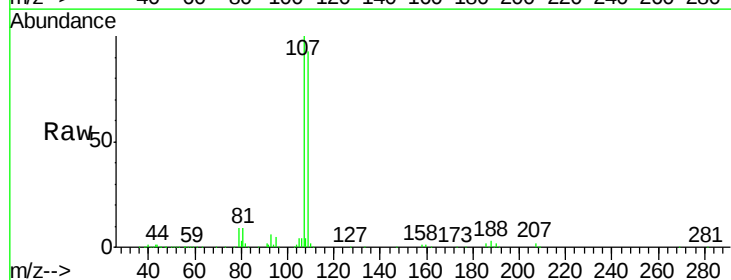
Acq: 01 May 2020 11:13

Tgt Ion:107 Resp: 79273

Ion Ratio Lower Upper

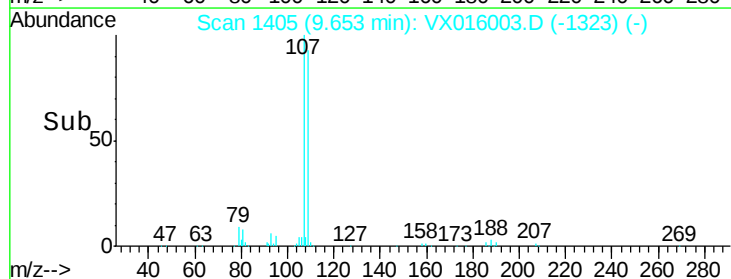
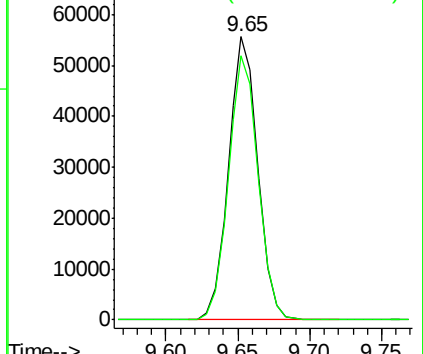
107 100

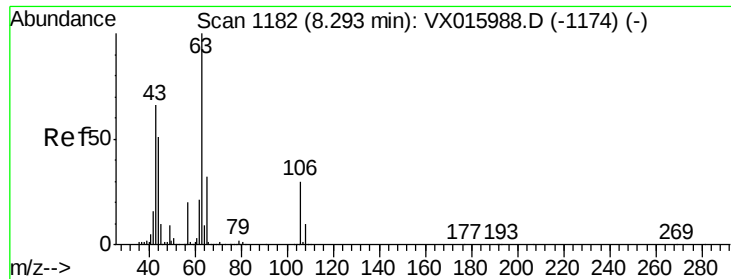
109 94.1 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





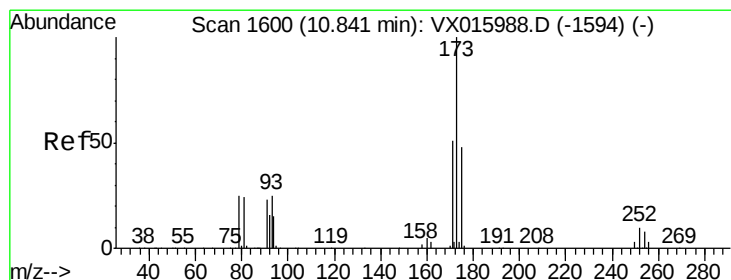
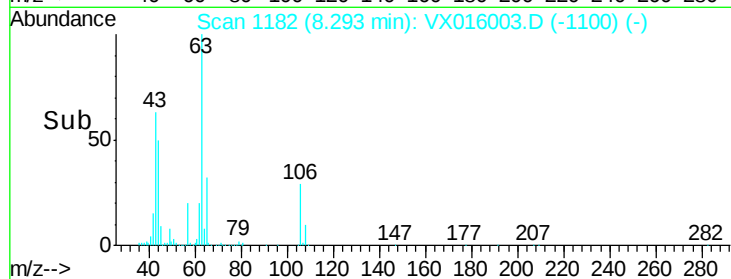
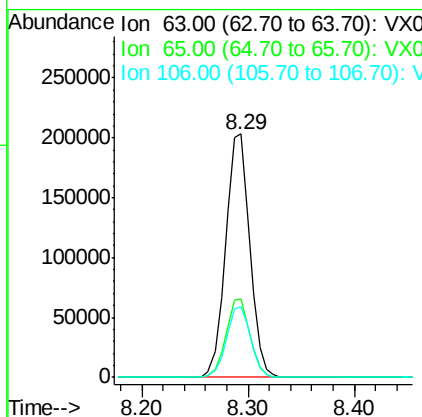
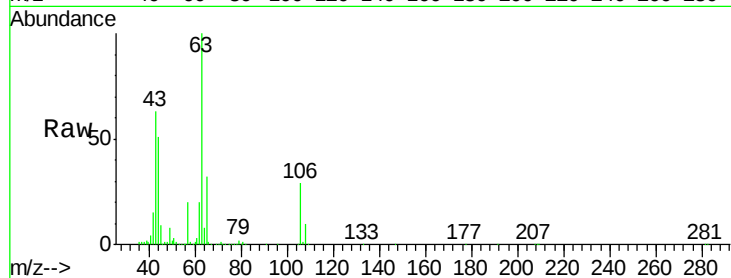
#55
2-Chloroethyl vinyl ether
Concen: 88.291 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.6	38.4
106	29.1	23.4	35.0

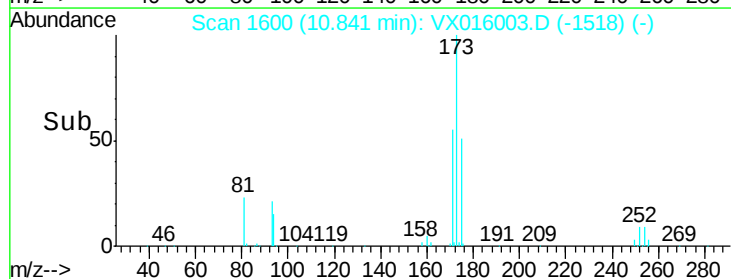
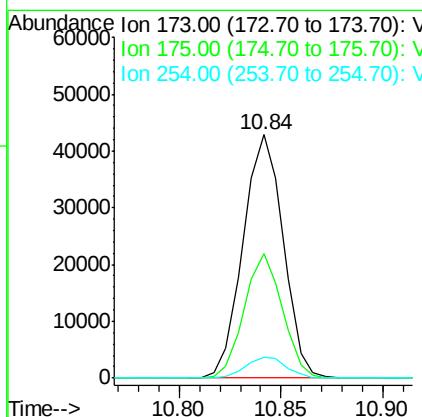
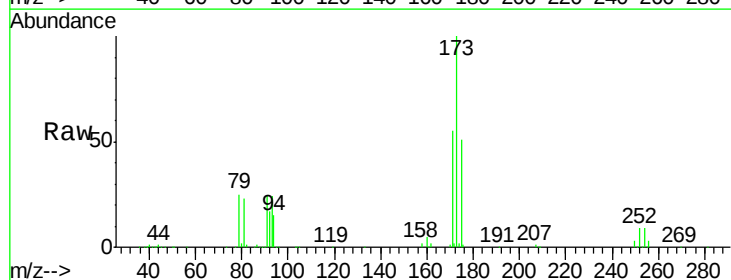
Manual Integrations
APPROVED

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#56
Bromoform
Concen: 16.783 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.0	57.0
254	8.7	6.8	10.2





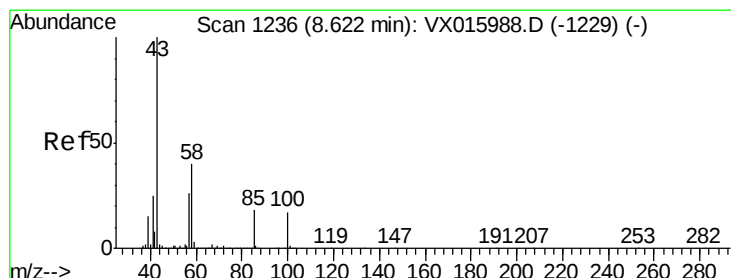
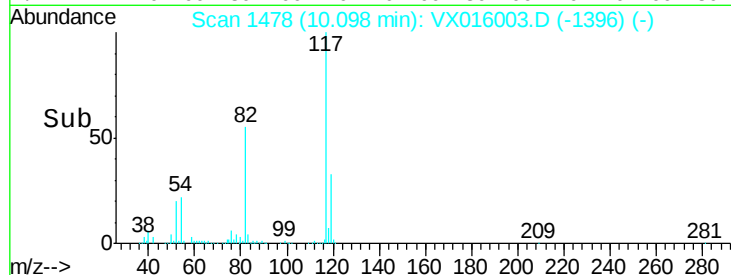
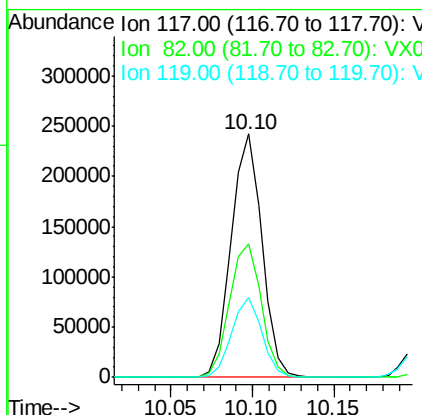
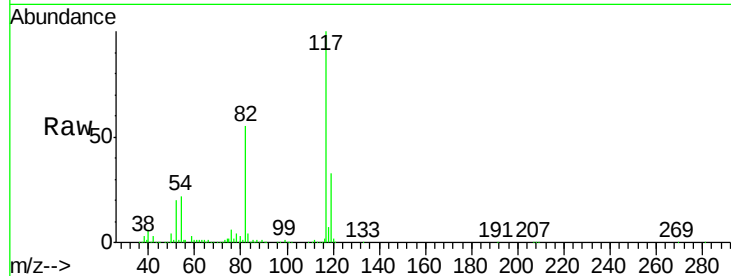
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	318138		
82	56.4	45.1	67.7	
119	32.3	25.6	38.4	

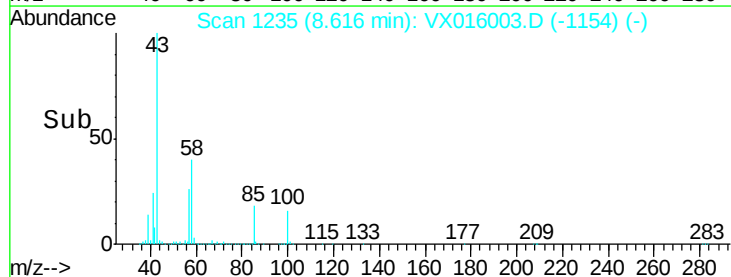
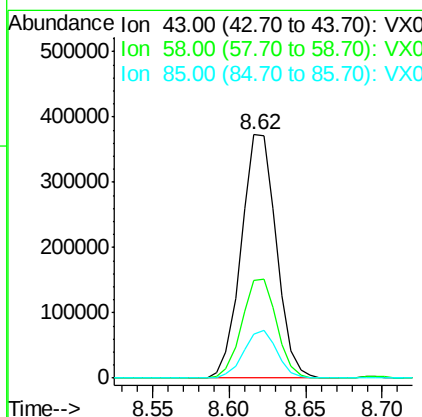
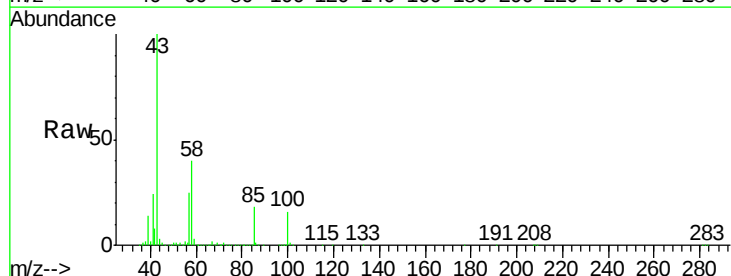
Manual Integrations
APPROVED

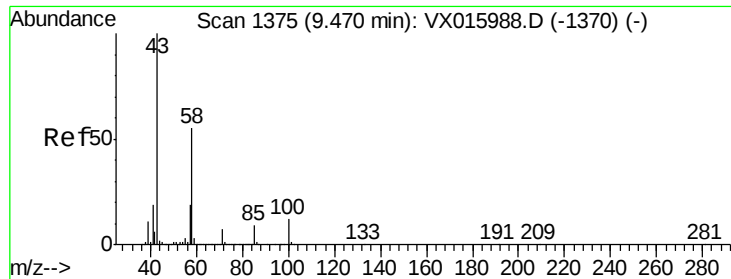
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 94.373 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	592075		
58	40.5	31.8	47.6	
85	18.7	14.5	21.7	





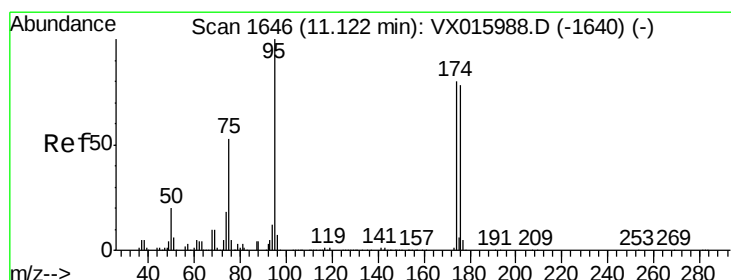
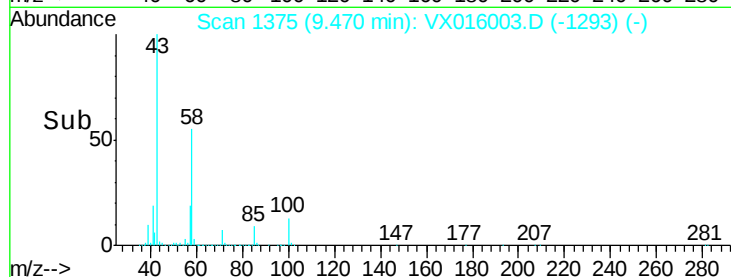
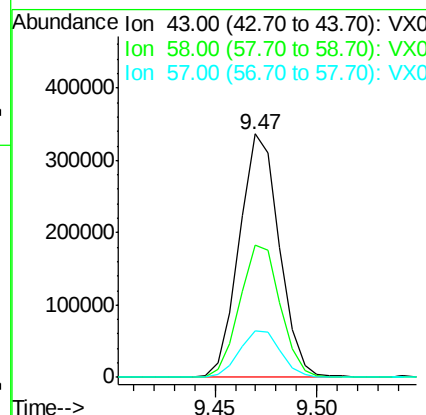
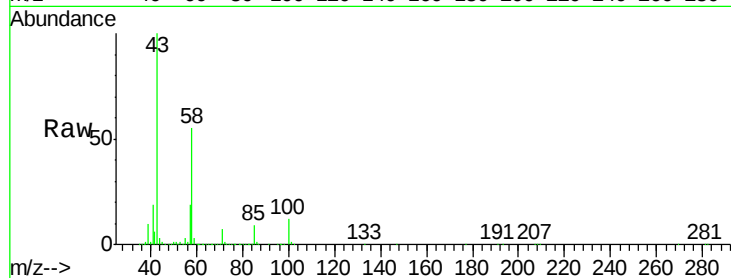
#59
2-Hexanone
Concen: 94.189 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.0	66.0
57	19.9	15.5	23.3

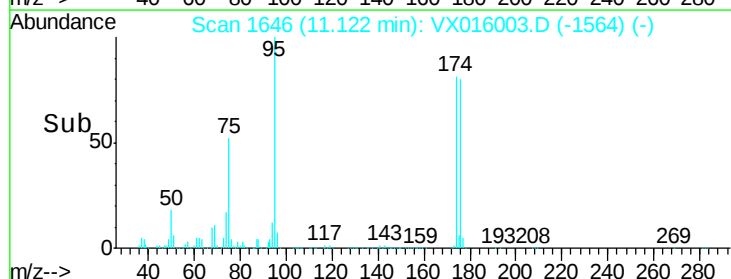
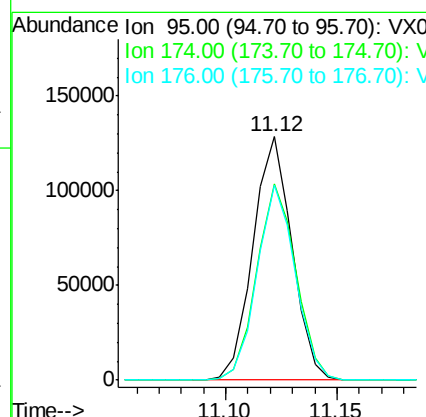
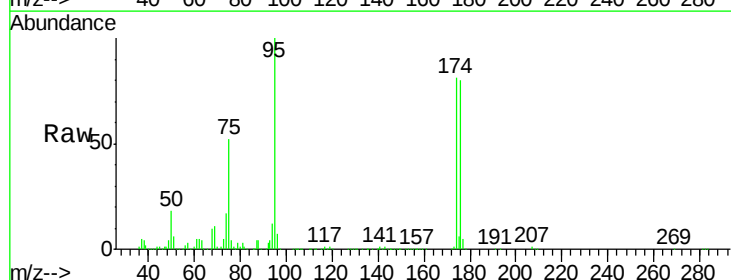
Manual Integrations
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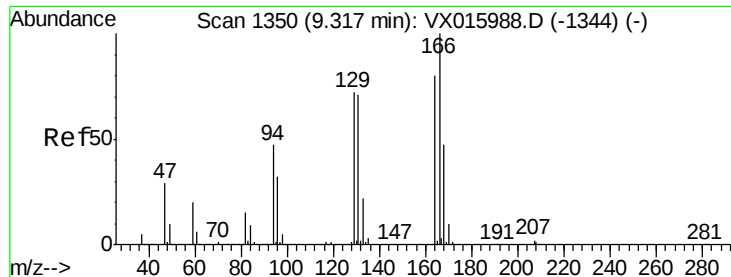
MMDadoda
5/4/2020 2:19:49 PM



#60
4-Bromofluorobenzene
Concen: 29.425 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.0	64.8	97.2
176	78.8	62.4	93.6





#61

Tetrachloroethene

Concen: 19.037 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 119799

Ion Ratio Lower Upper

164 100

166 122.3 100.1 150.1

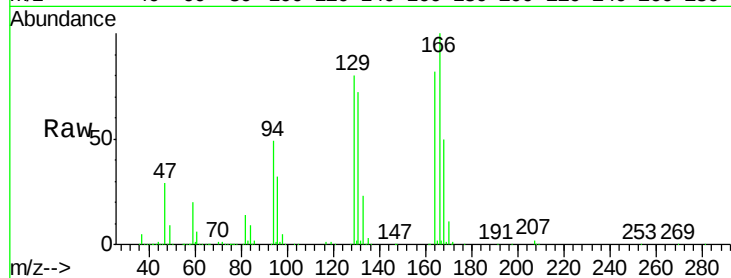
129 98.3 72.2 108.4

131 88.1 71.3 106.9

Manual Integrations
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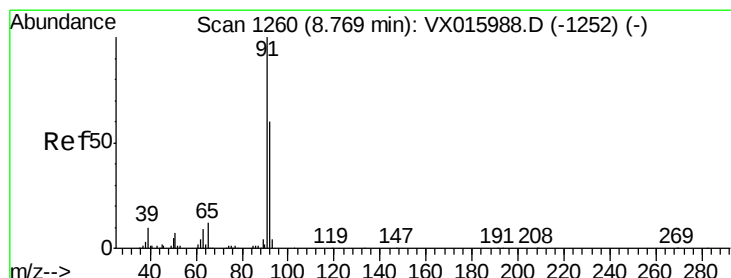
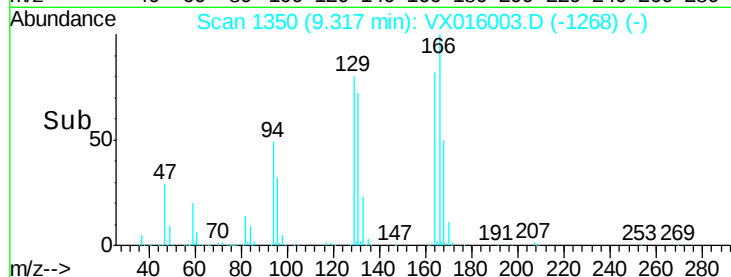
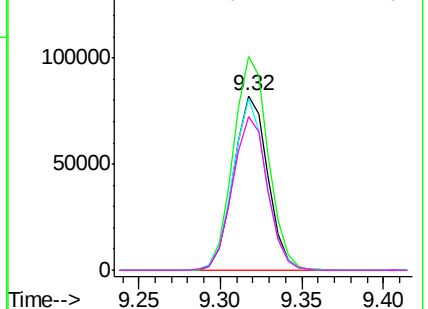


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.585 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016003.D

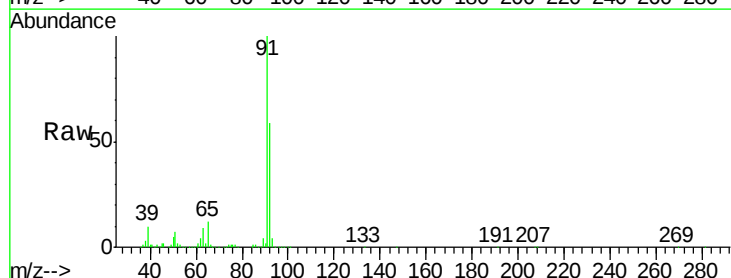
Acq: 01 May 2020 11:13

Tgt Ion: 91 Resp: 315882

Ion Ratio Lower Upper

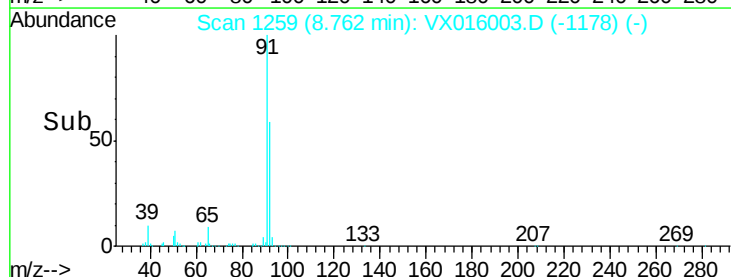
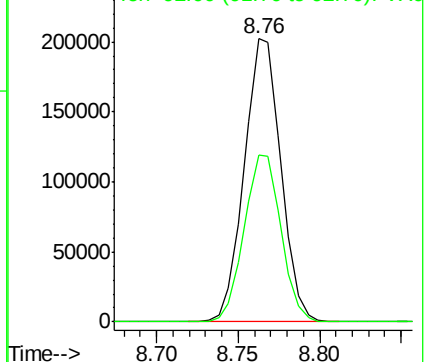
91 100

92 59.4 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.716 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 419198

Ion Ratio Lower Upper

98 100

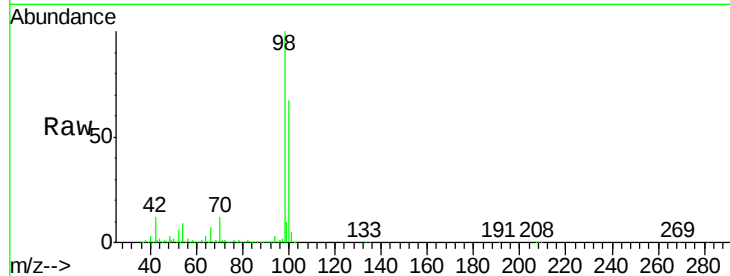
100 65.9 52.5 78.7

Manual Integrations

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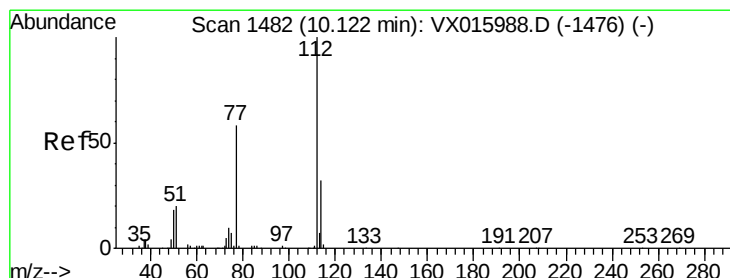
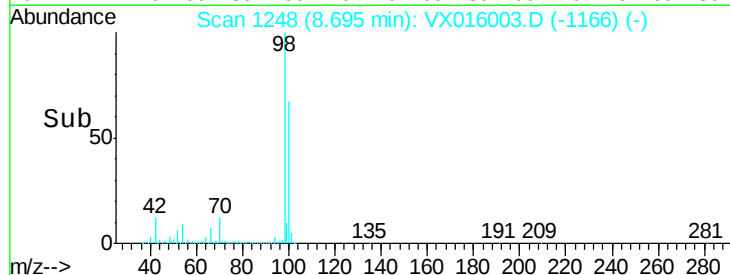
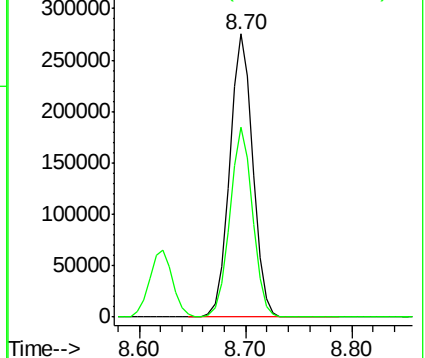
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#64

Chlorobenzene

Concen: 18.262 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016003.D

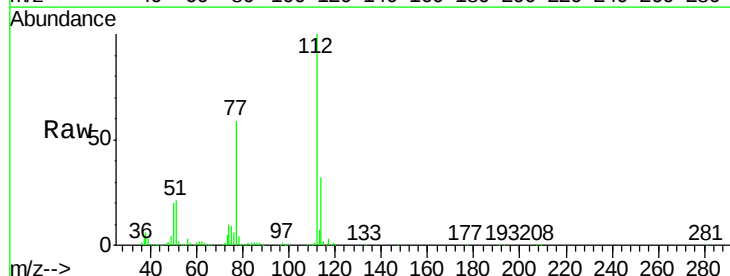
Acq: 01 May 2020 11:13

Tgt Ion: 112 Resp: 197633

Ion Ratio Lower Upper

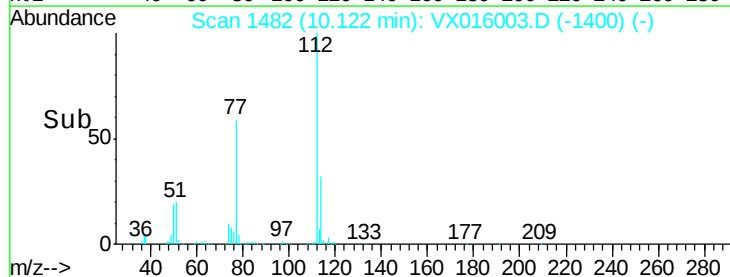
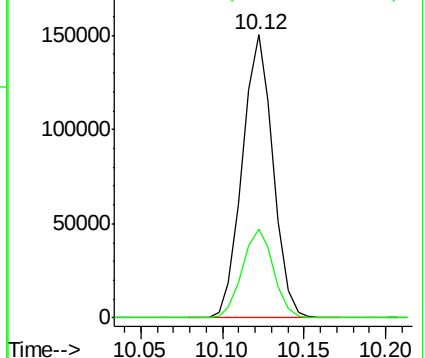
112 100

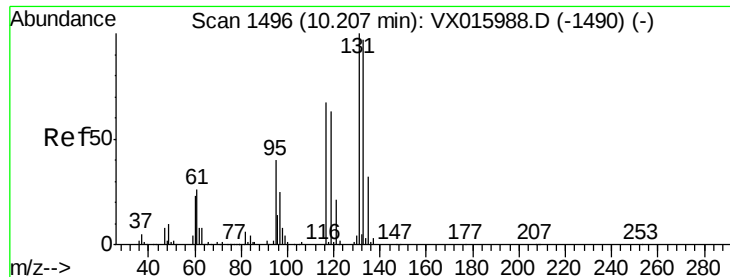
114 31.6 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 17.802 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

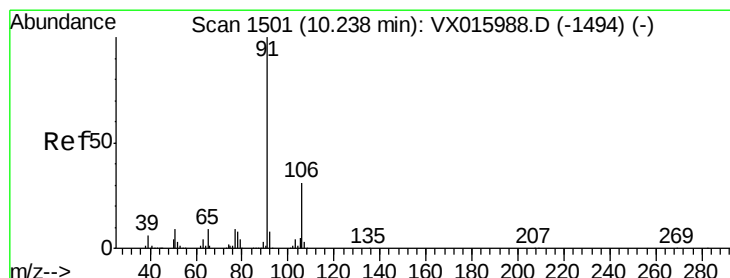
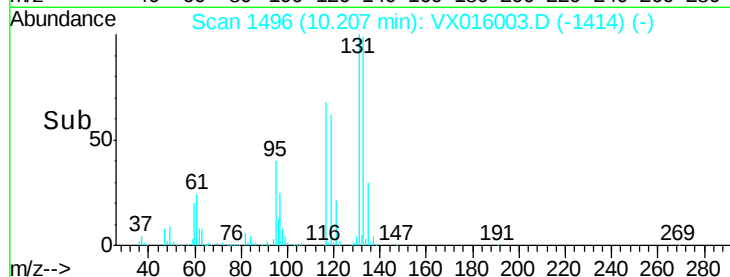
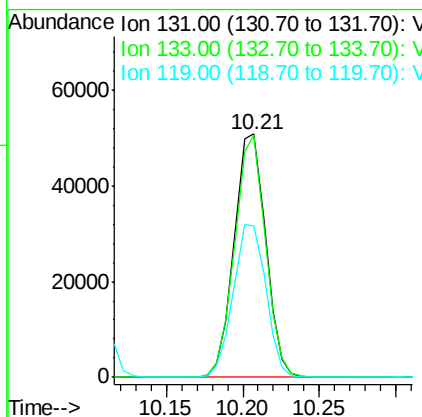
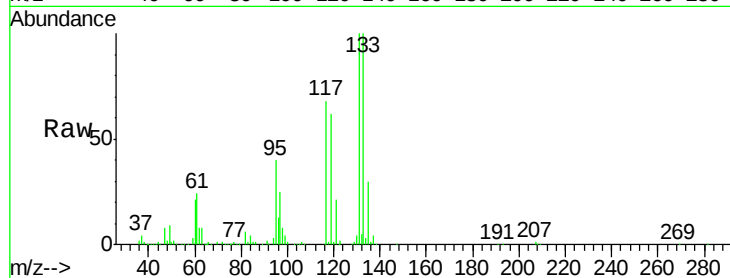
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	73137
Ion Ratio	Lower	Upper	
131	100		
133	96.2	0.0	187.0
119	64.5	0.0	129.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.467 ug/l

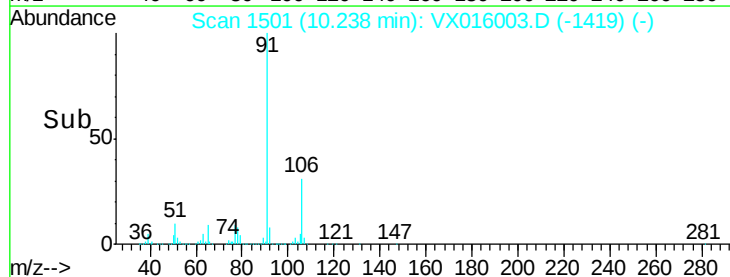
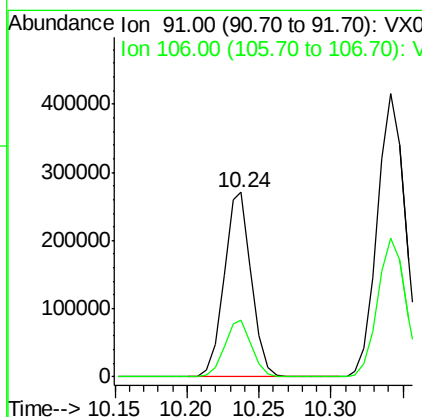
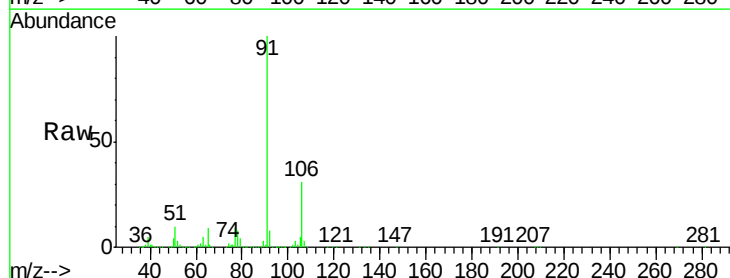
RT: 10.24 min Scan# 1501

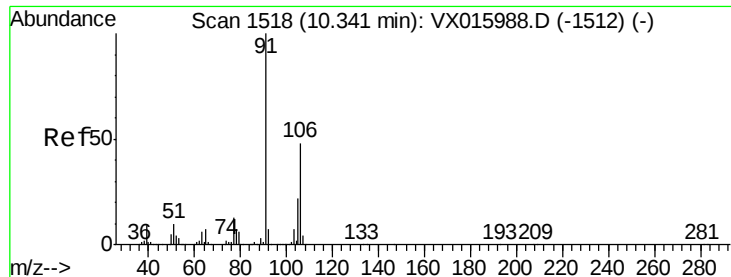
Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tgt Ion:	91	Resp:	357416
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.8	37.2





#67

m/p-Xylenes

Concen: 36.647 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 270188

Ion Ratio Lower Upper

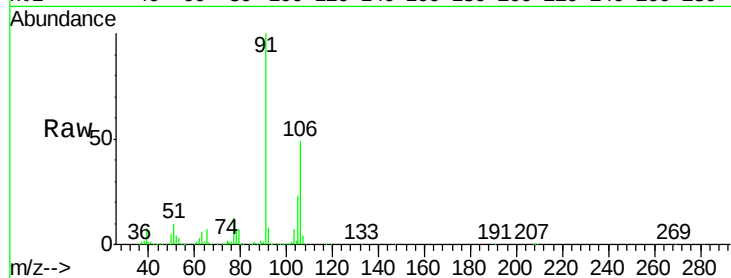
106 100

91 203.6 164.2 246.4

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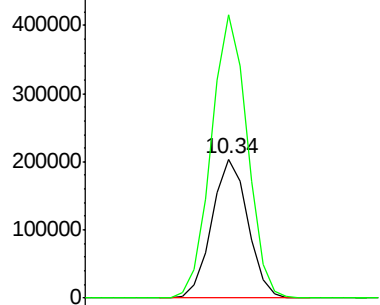
MMDadoda

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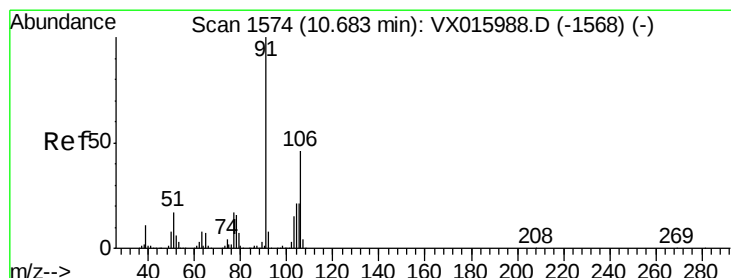
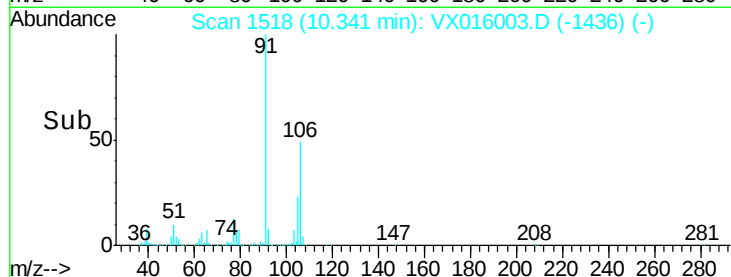


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#68

o-Xylene

Concen: 18.227 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX016003.D

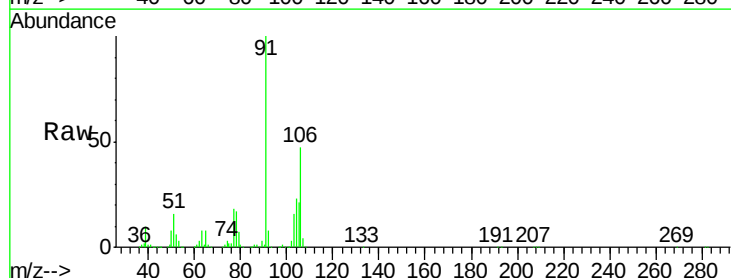
Acq: 01 May 2020 11:13

Tgt Ion:106 Resp: 129591

Ion Ratio Lower Upper

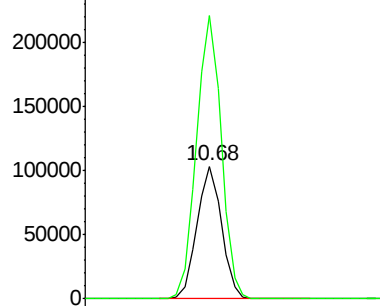
106 100

91 214.6 108.3 325.0

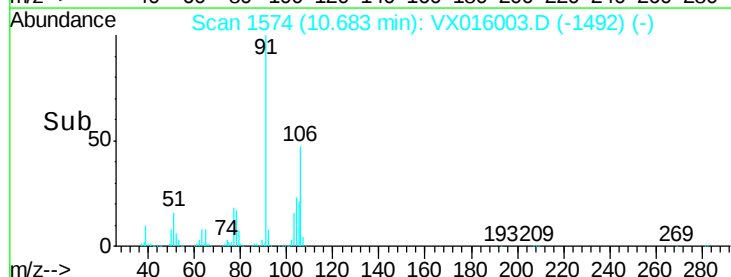


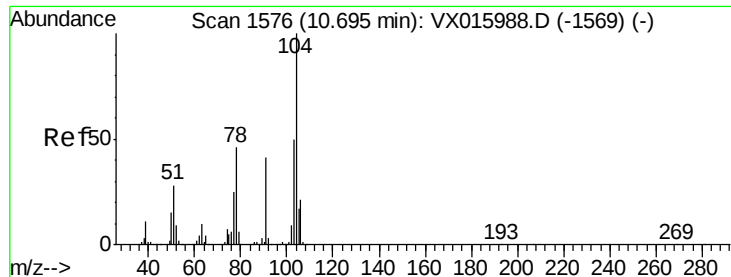
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->





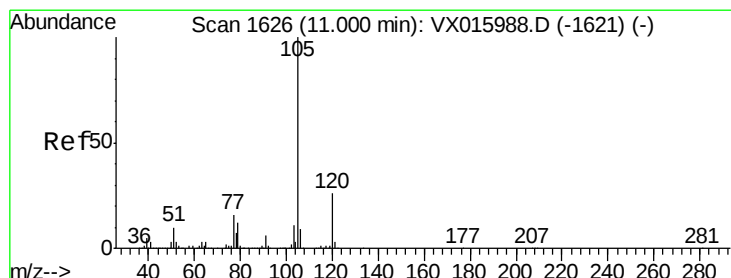
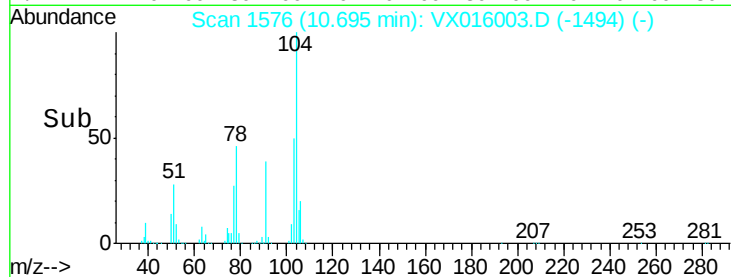
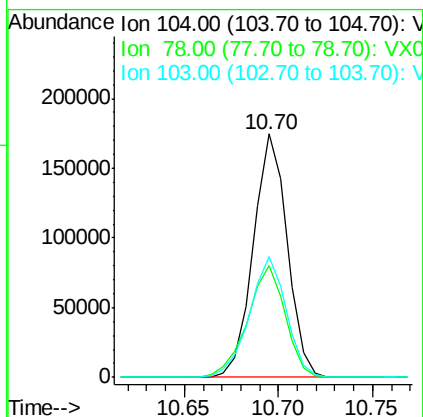
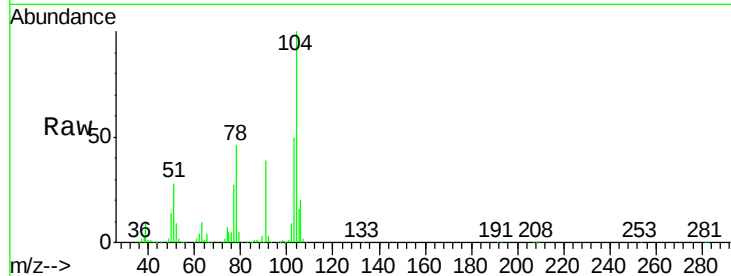
#69
Stvrene
Concen: 17.940 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	104	Resp:	218296
Ion Ratio	Lower	Upper	
104	100		
78	50.9	40.7	61.1
103	53.9	43.0	64.4

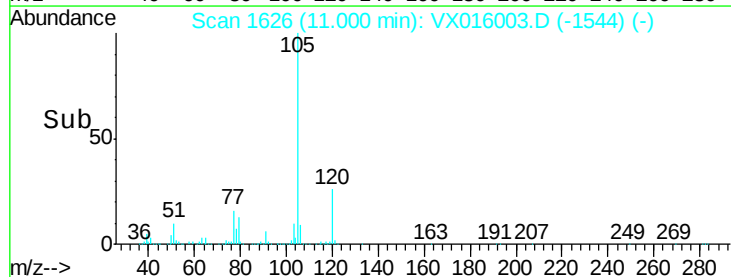
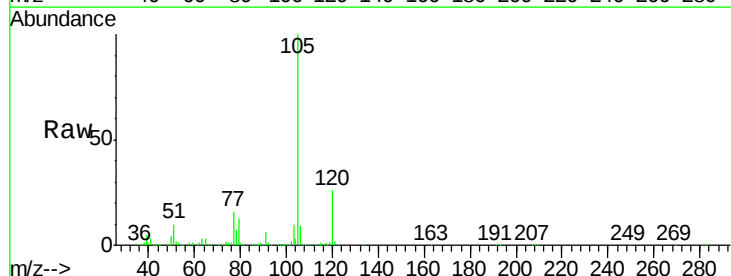
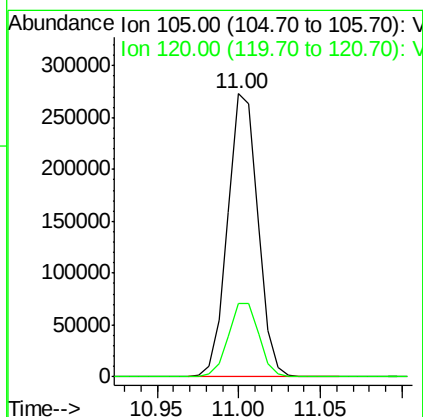
Manual Integrations
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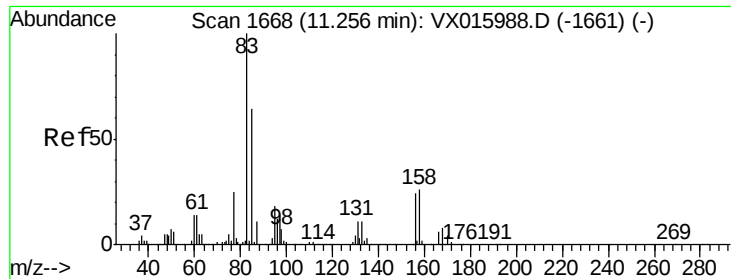
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#70
Isopropylbenzene
Concen: 18.281 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion:	105	Resp:	350908
Ion Ratio	Lower	Upper	
105	100		
120	26.5	18.6	34.5





#71

1,1,2,2-Tetrachloroethane

Concen: 14.870 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

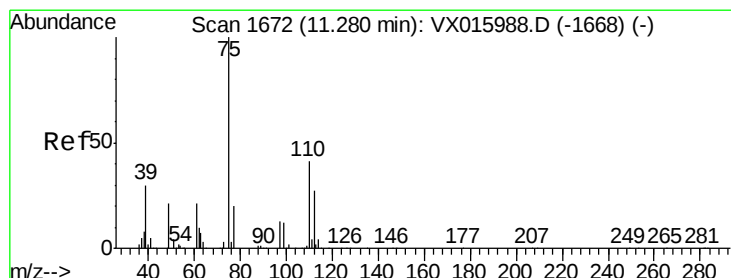
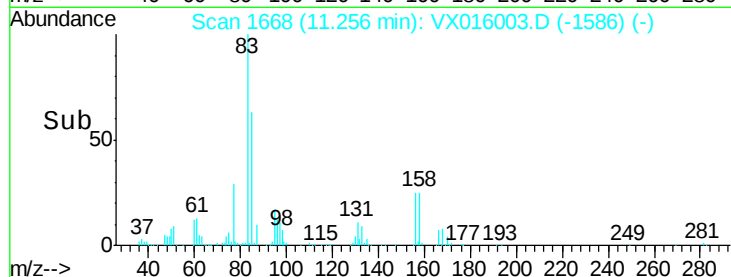
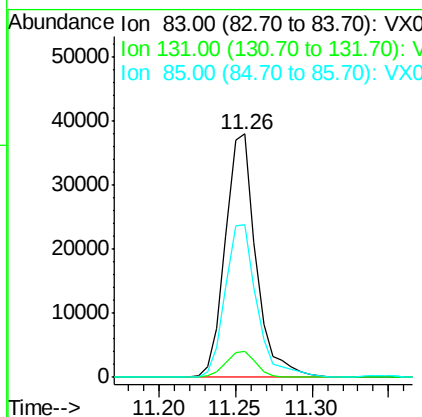
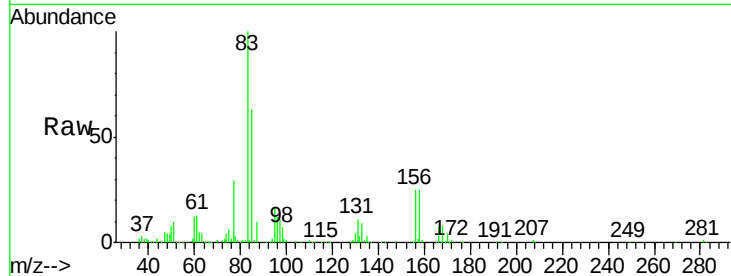
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	53063
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.6	33.0	98.9

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#72

1,2,3-Trichloropropane

Concen: 18.855 ug/l m

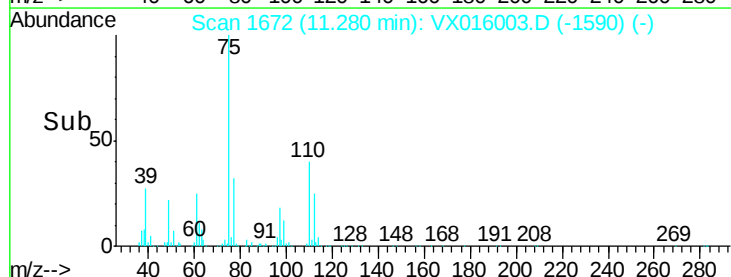
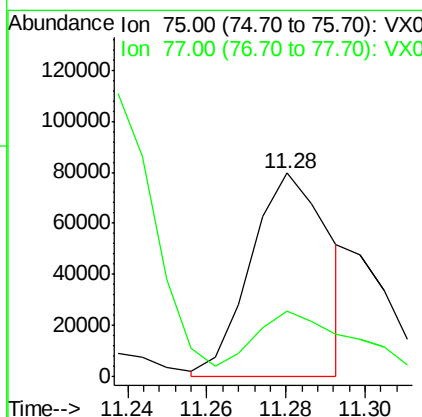
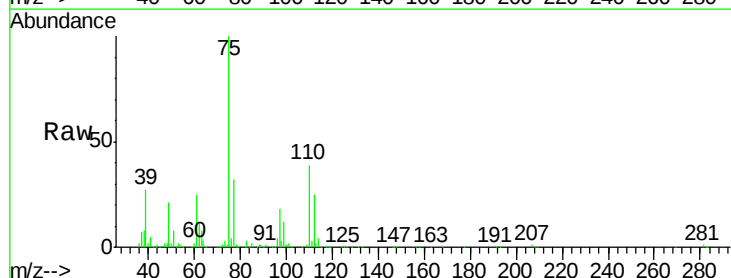
RT: 11.28 min Scan# 1672

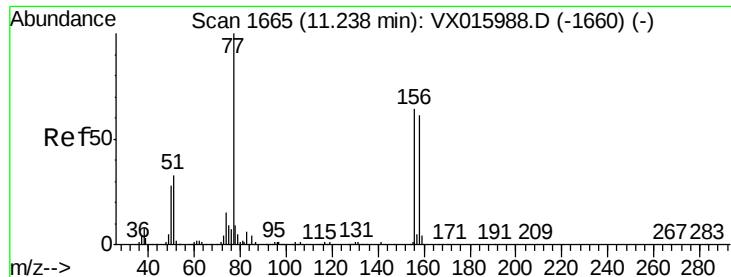
Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tgt Ion:	75	Resp:	108973
Ion Ratio	Lower	Upper	
75	100		
77	42.2	0.0	86.0





#73

Bromobenzene

Concen: 17.824 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

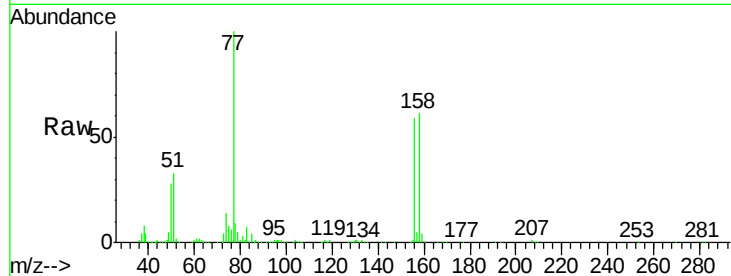
ClientSampleId :

VSTDCCC020

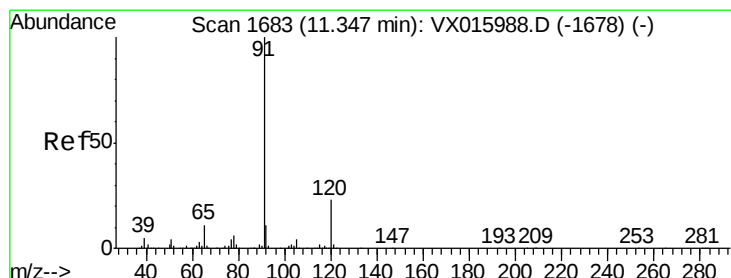
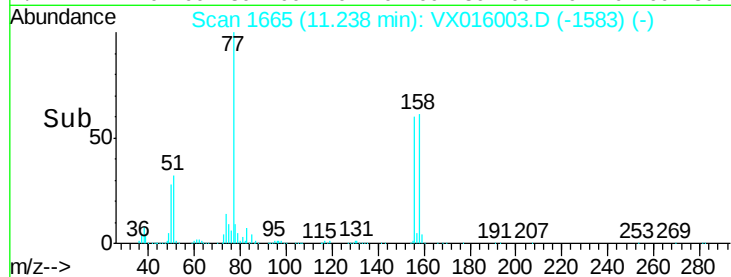
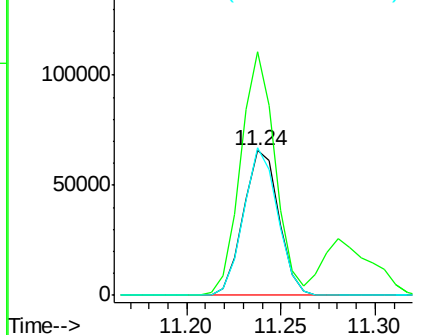
Tot Ion:	156	Resp:	86218
Ion Ratio	Lower	Upper	
156	100		
77	162.2	0.0	318.0
158	97.5	0.0	193.2

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.164 ug/l

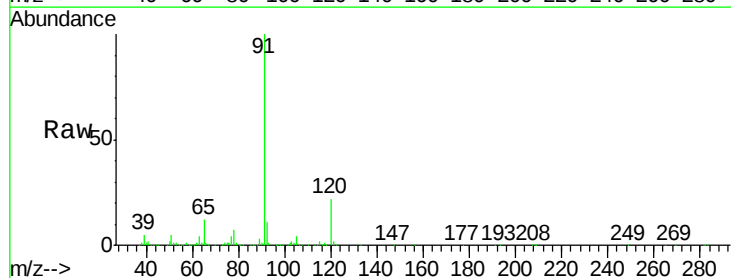
RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

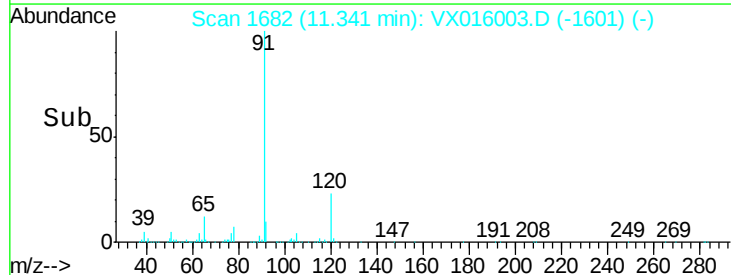
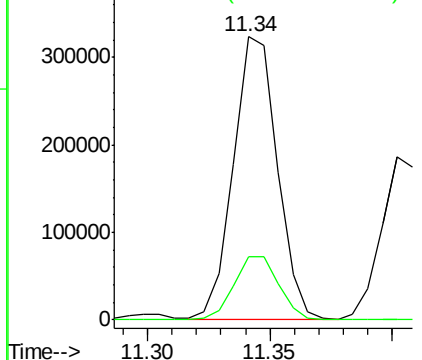
Lab File: VX016003.D

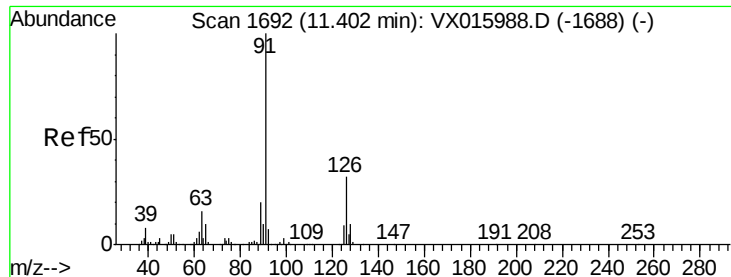
Acq: 01 May 2020 11:13

Tgt Ion:	91	Resp:	404981
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.263 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 239283

Ion Ratio Lower Upper

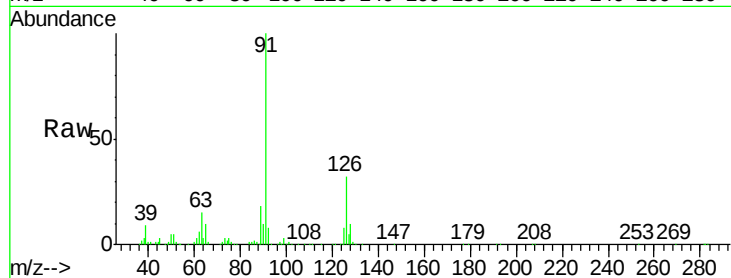
91 100

126 33.4 0.0 66.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX015988.D (-1688) (-)

Ion 126.00 (125.70 to 126.70): VX015988.D (-1688) (-)

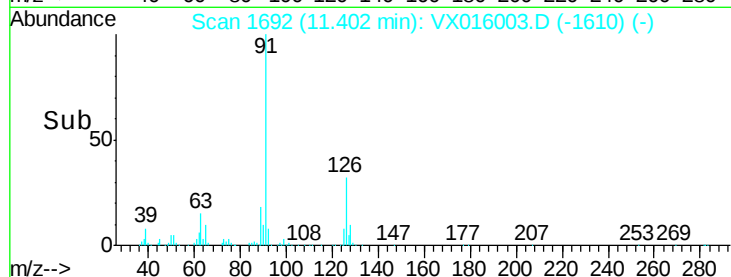
300000

200000

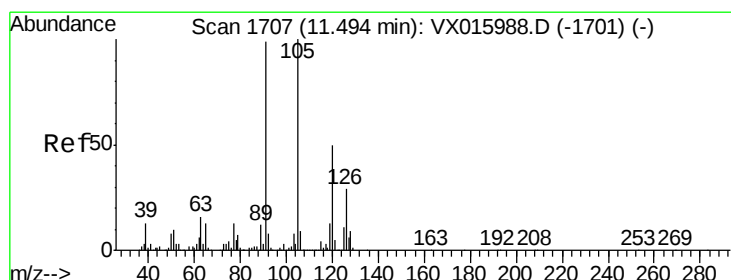
100000

0

11.35 11.40 11.45



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.139 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016003.D

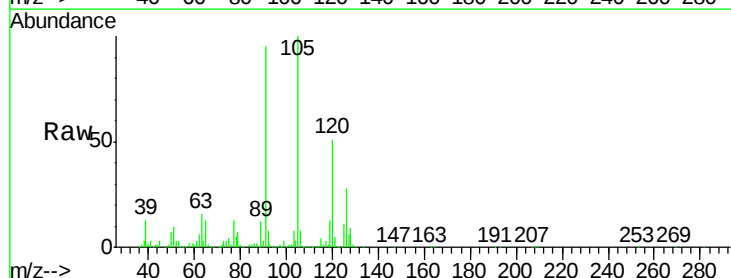
Acq: 01 May 2020 11:13

Tgt Ion: 105 Resp: 295550

Ion Ratio Lower Upper

105 100

120 50.1 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): VX015988.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX015988.D (-1701) (-)

250000

200000

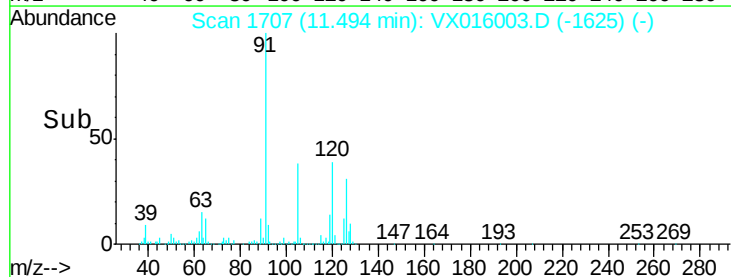
150000

100000

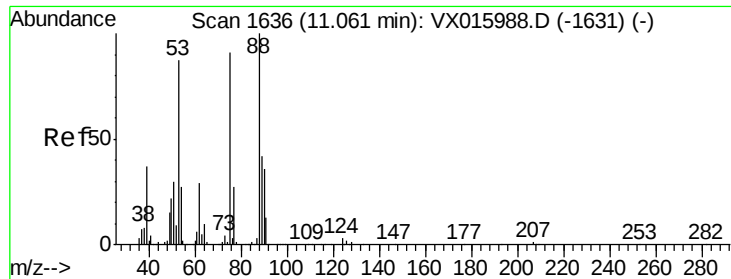
50000

0

11.45 11.50



Time-->



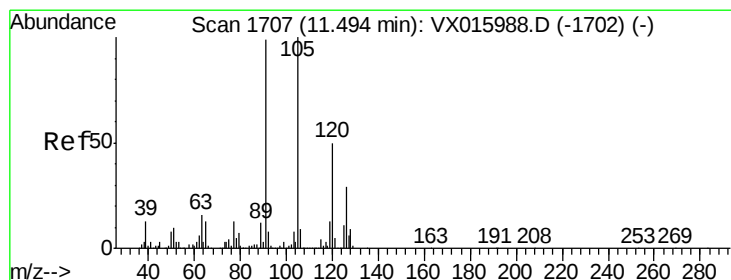
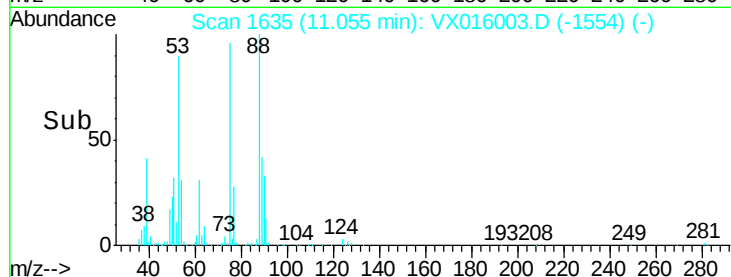
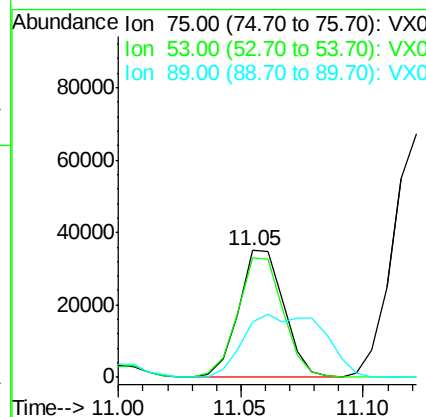
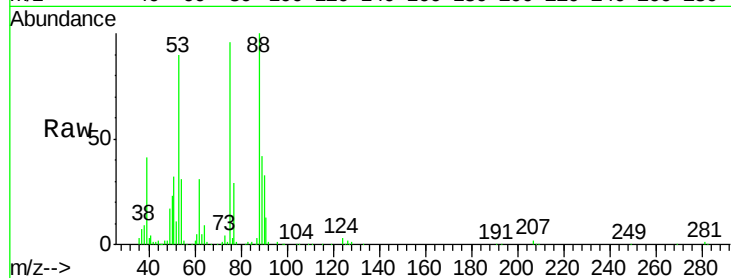
#77
t-1,4-Dichloro-2-butene
Concen: 18.126 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	48.0	144.2
89	43.8	23.4	70.3

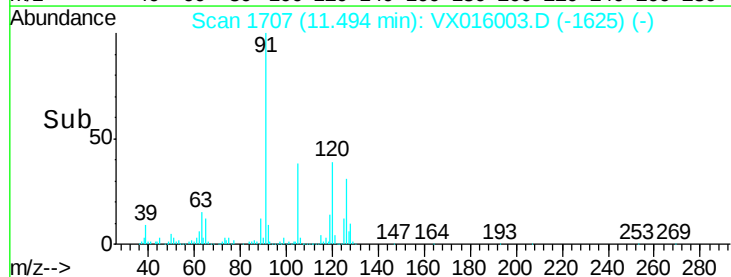
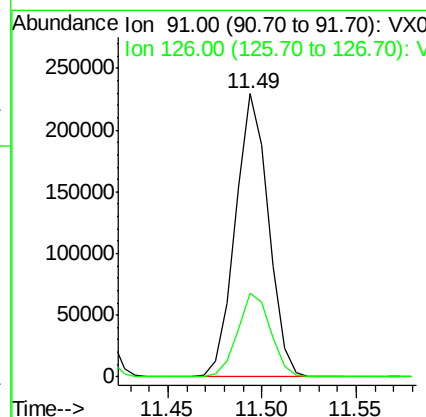
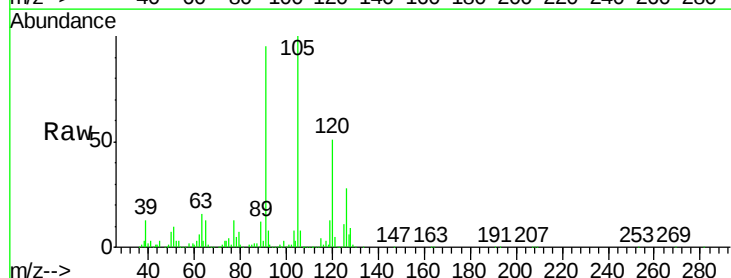
Manual Integrations
APPROVED

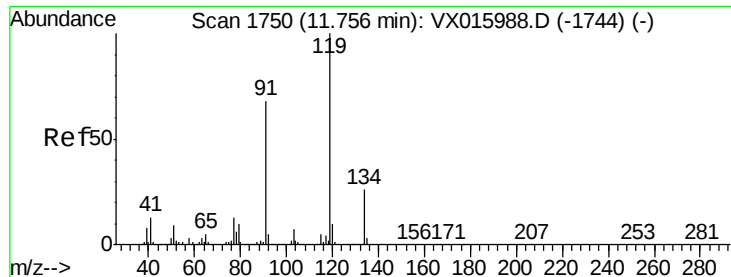
MMDadoda
5/4/2020 2:19:49 PM



#78
4-Chlorotoluene
Concen: 18.006 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.4	0.0	58.4





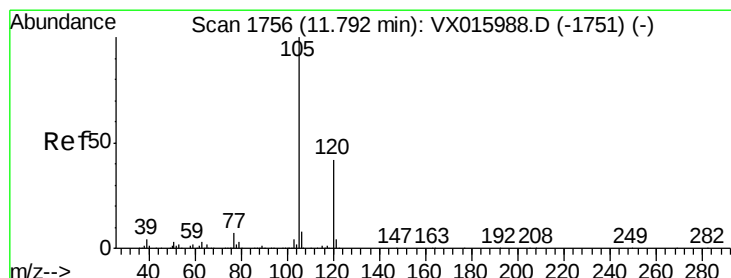
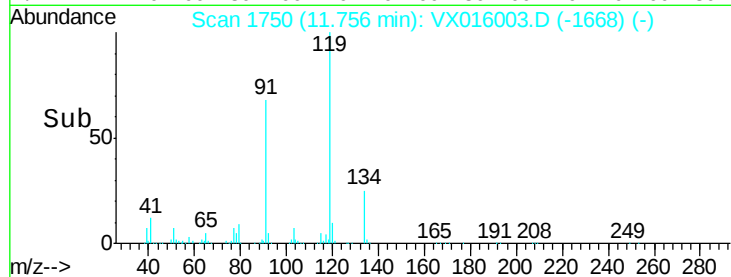
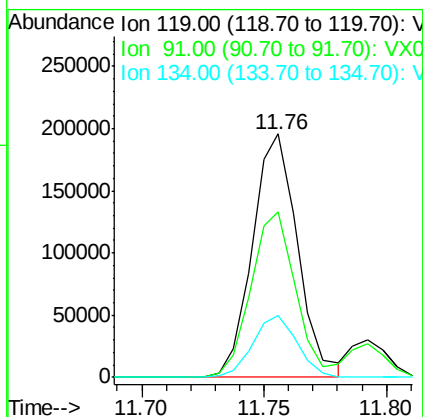
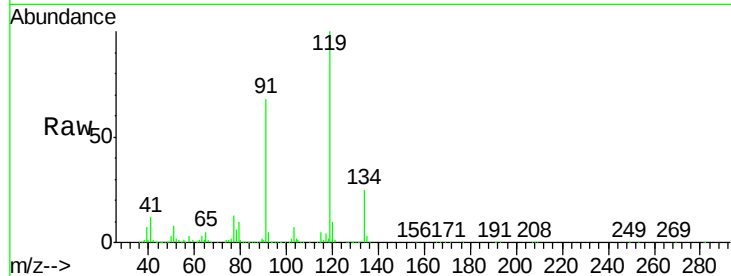
#79
tert-butylbenzene
Concen: 18.105 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	251949		
91	66.5	0.0	135.6	
134	24.8	0.0	51.0	

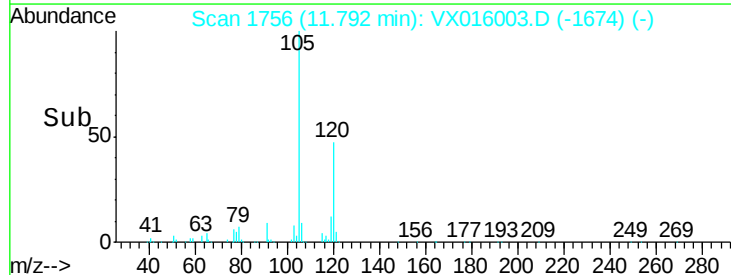
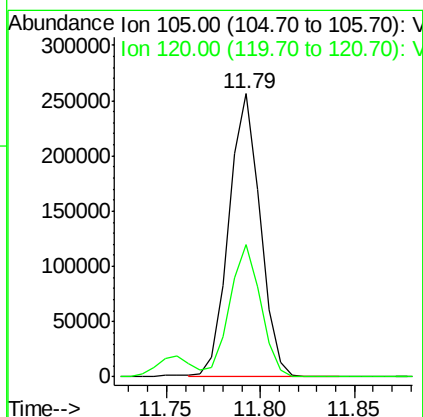
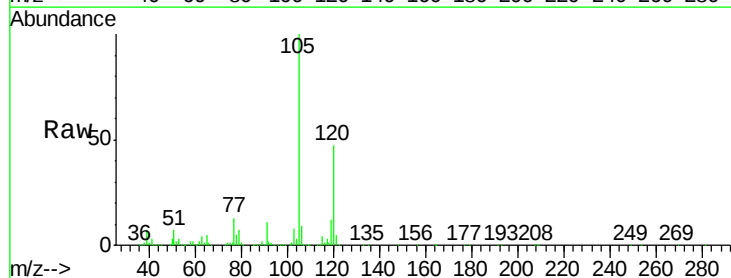
Manual Integrations
APPROVED

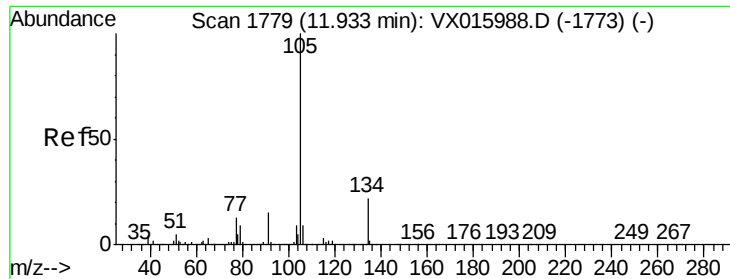
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 18.140 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	295287		
120	46.2	0.0	91.0	





#81

sec-Butylbenzene

Concen: 18.241 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 342360

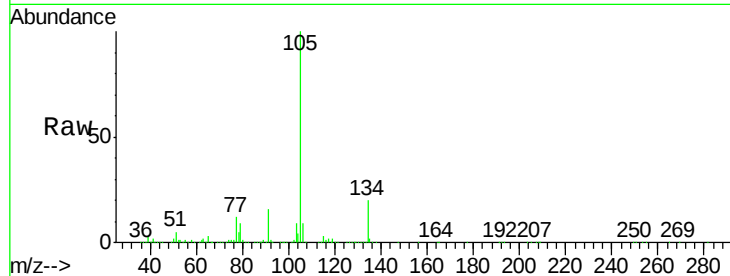
Ion Ratio Lower Upper

105 100

134 20.2 0.0 41.2

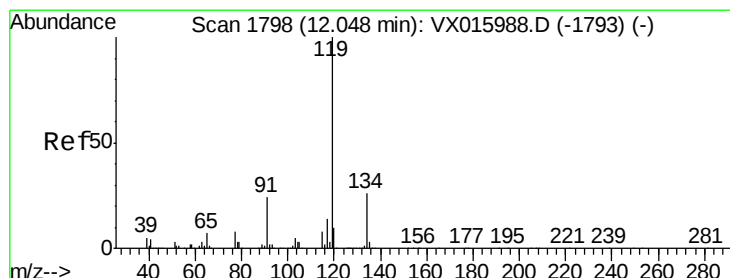
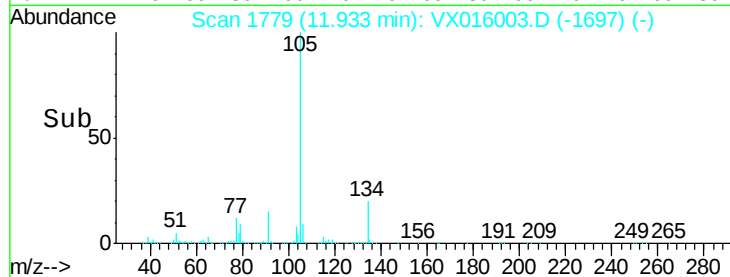
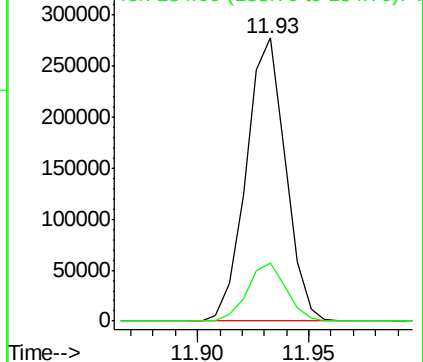
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.053 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

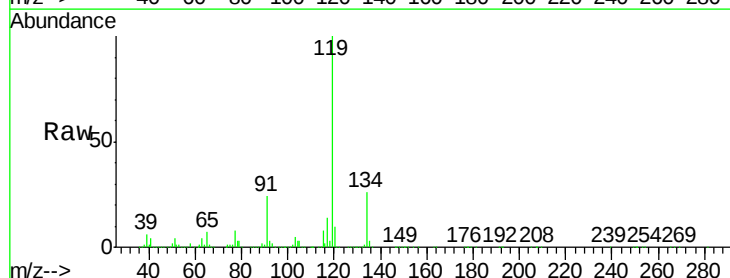
Tgt Ion:119 Resp: 313996

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

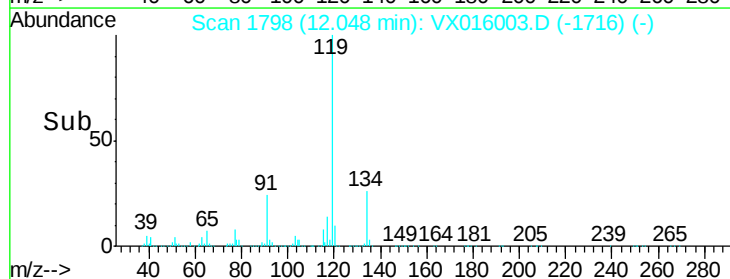
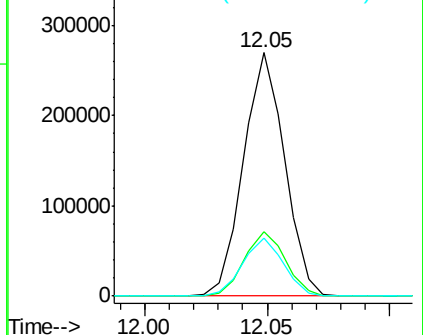
91 23.8 0.0 47.6

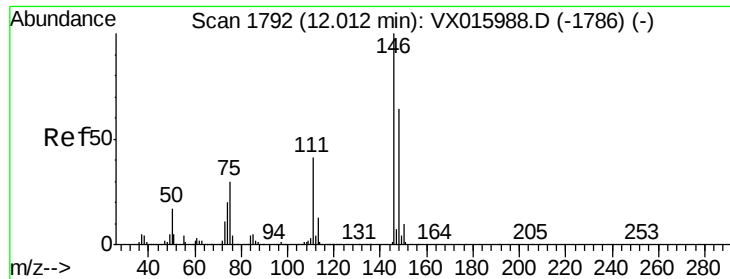


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





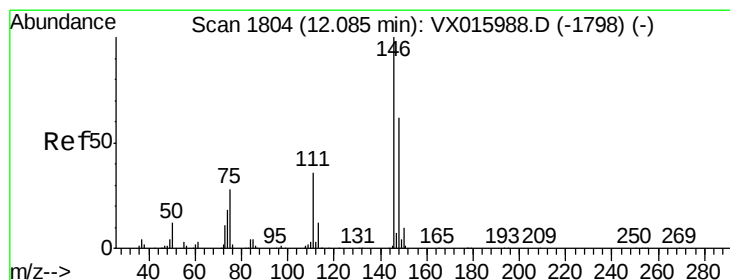
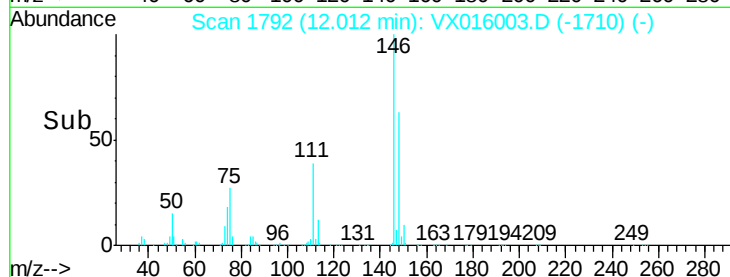
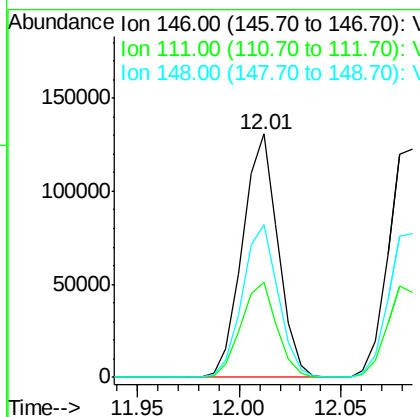
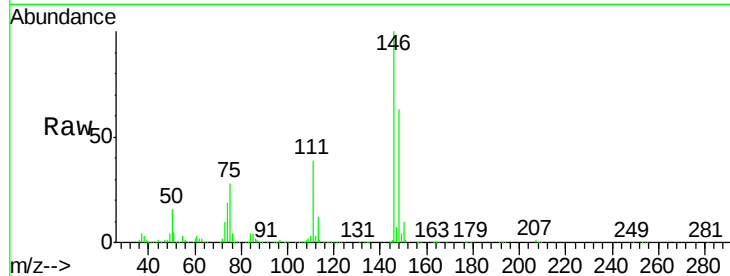
#83
 1,3-Dichlorobenzene
 Concen: 18.141 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.4	61.3
148	63.2	31.9	95.9

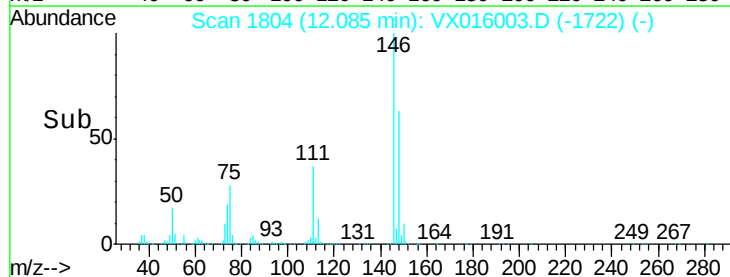
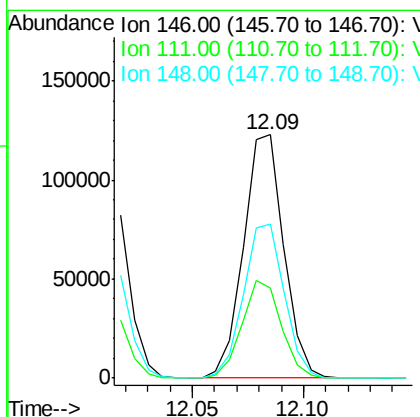
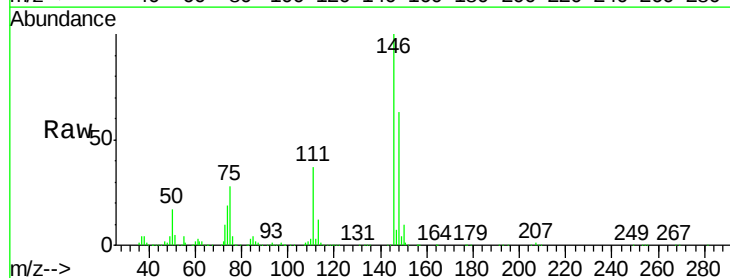
Manual Integrations
 APPROVED

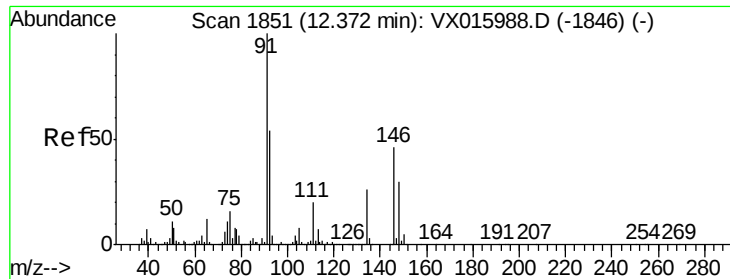
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#84
 1,4-Dichlorobenzene
 Concen: 17.996 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.9	32.0	96.0





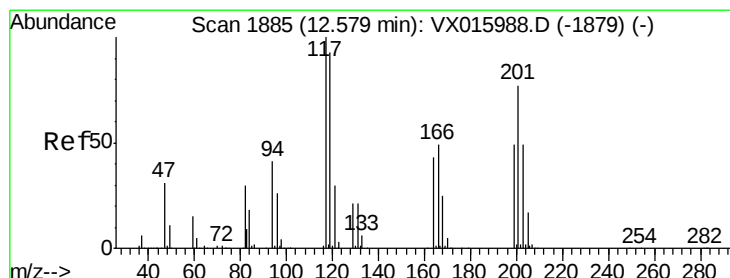
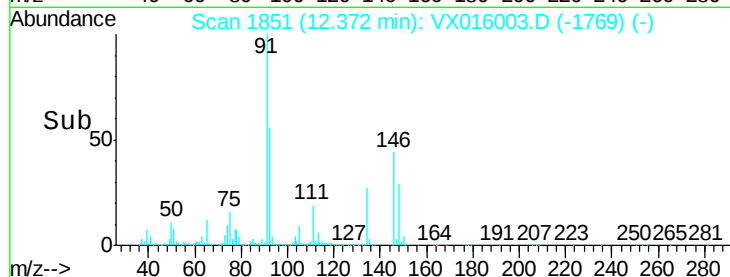
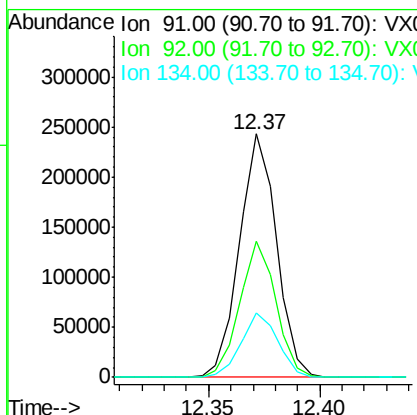
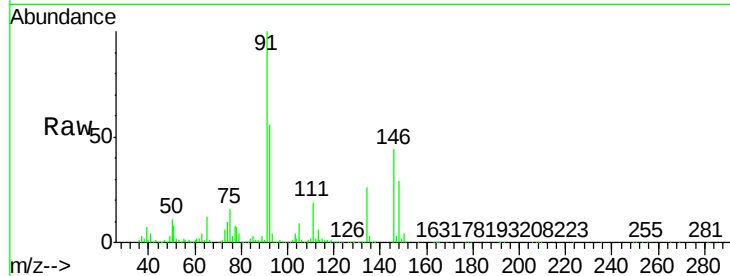
#85
n-Butylbenzene
Concen: 17.748 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	281984		
92	54.5	0.0	110.2	
134	26.4	0.0	53.4	

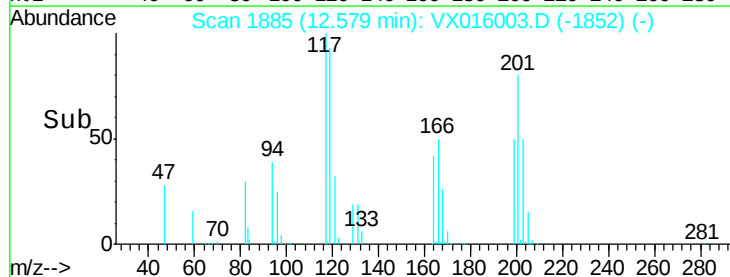
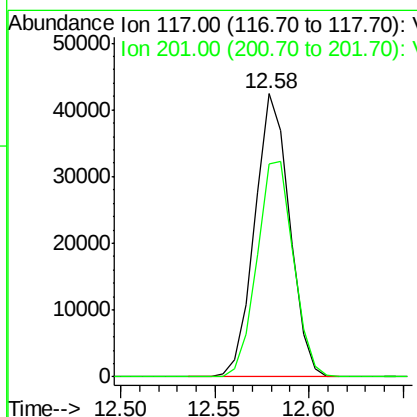
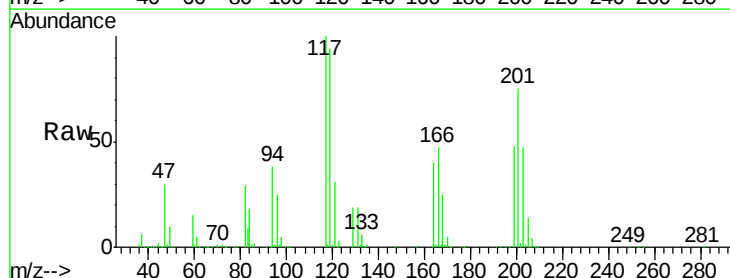
Manual Integrations
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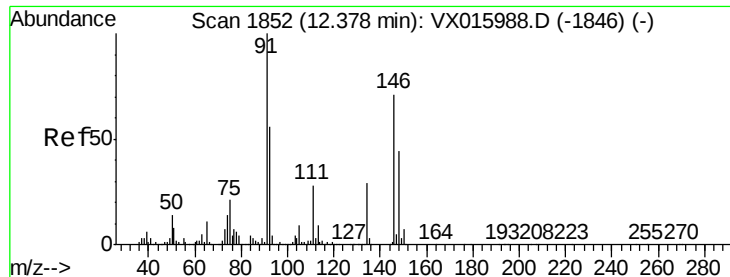
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#86
Hexachloroethane
Concen: 17.754 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	54362		
201	79.9	40.1	120.2	





#87

1,2-Dichlorobenzene

Concen: 18.045 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Instrument :

MSVOA_X

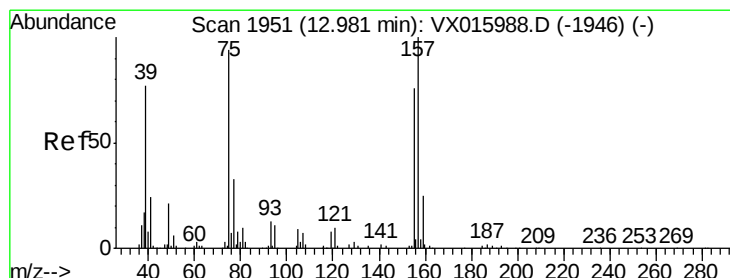
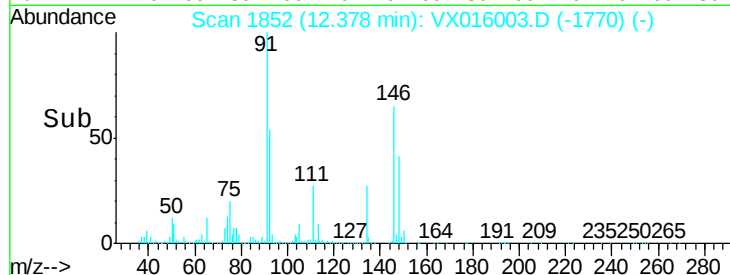
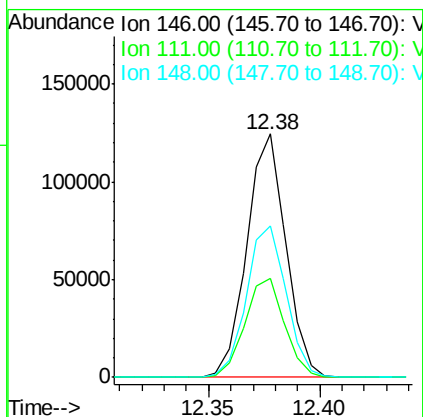
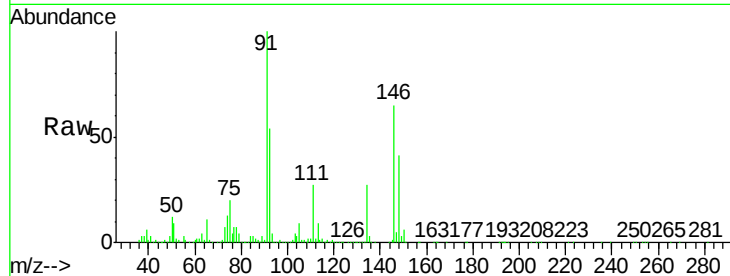
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	152202
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.7	62.1
148	63.5	32.0	96.2

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.756 ug/l

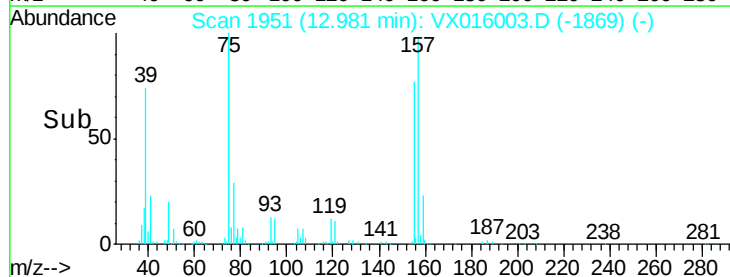
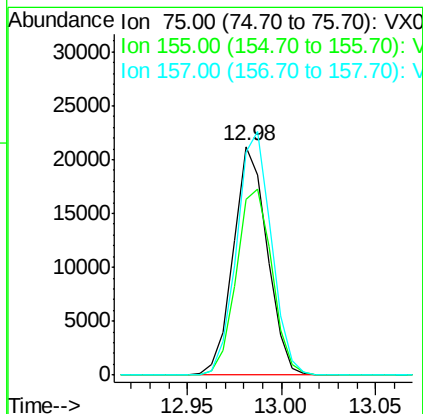
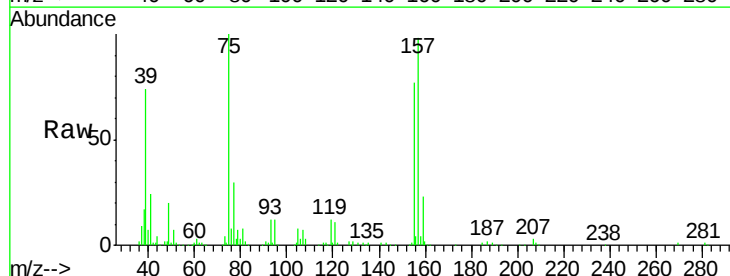
RT: 12.98 min Scan# 1951

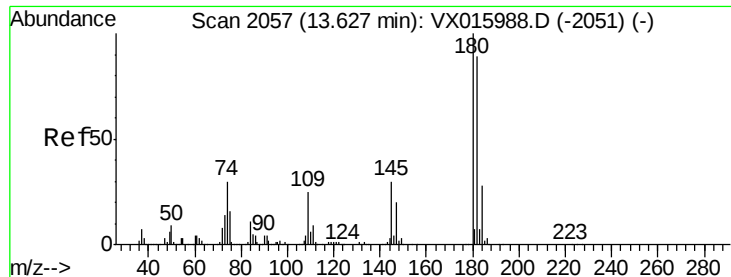
Delta R.T. -0.00 min

Lab File: VX016003.D

Acq: 01 May 2020 11:13

Tgt Ion:	75	Resp:	26514
Ion Ratio	Lower	Upper	
75	100		
155	85.6	66.9	100.3
157	108.4	88.2	132.2





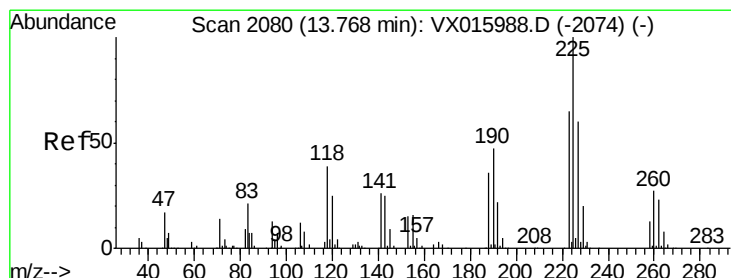
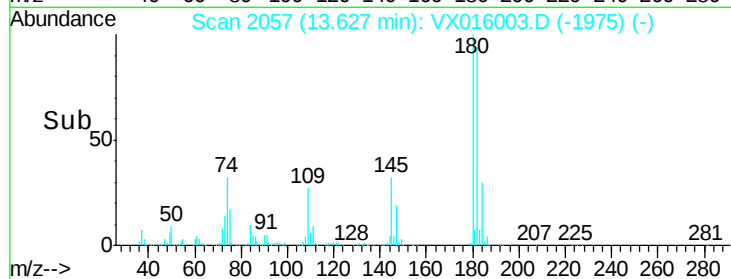
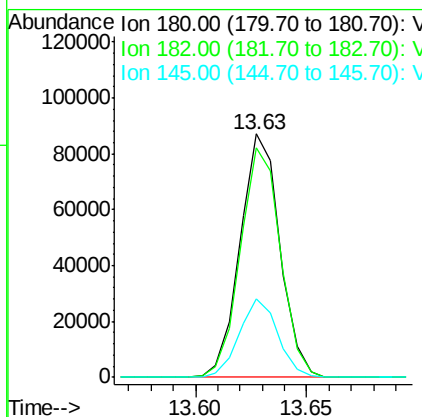
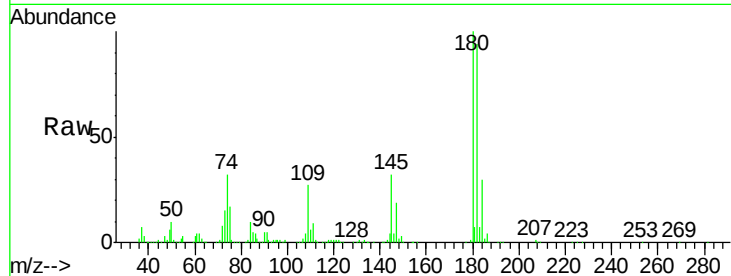
#89
 1,2,4-Trichlorobenzene
 Concen: 17.472 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:	180	Resp:	108547
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.0	112.6
145	31.1	23.9	35.9

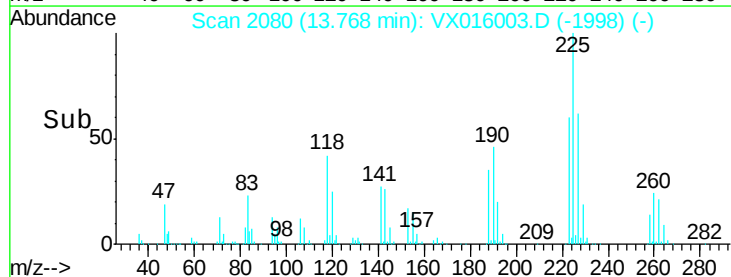
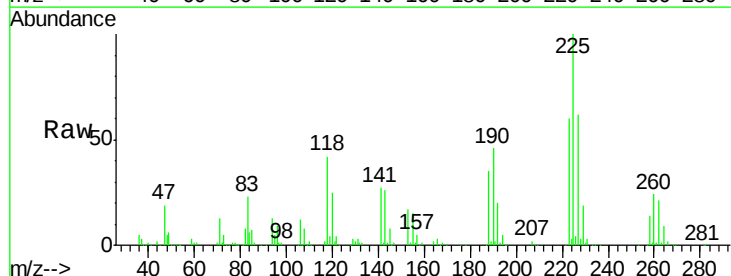
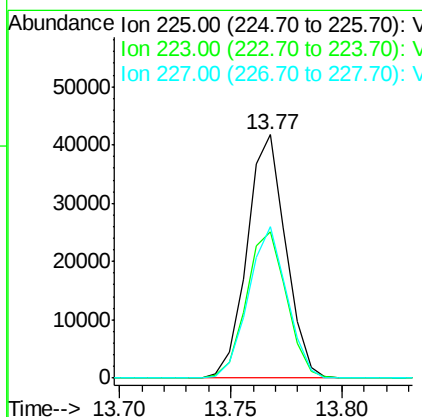
Manual Integrations
 APPROVED

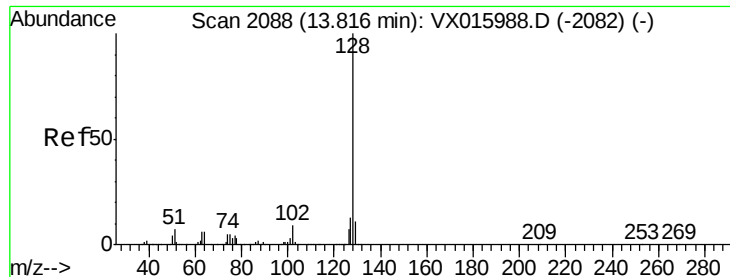
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#90
 Hexachlorobutadiene
 Concen: 18.983 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016003.D
 Acq: 01 May 2020 11:13

Tgt Ion:	225	Resp:	50685
Ion Ratio	Lower	Upper	
225	100		
223	62.5	0.0	123.6
227	61.6	0.0	123.6





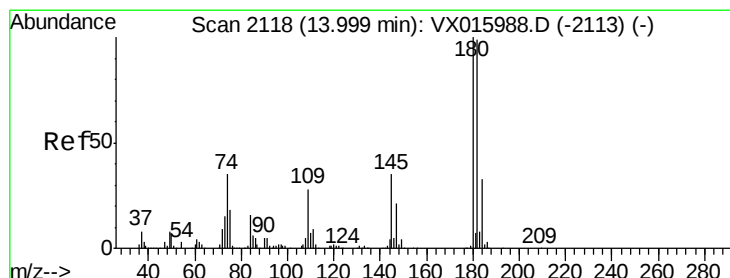
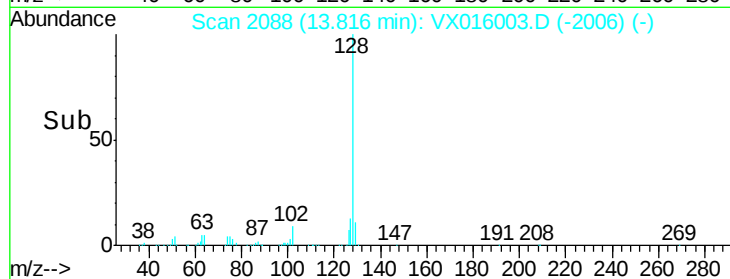
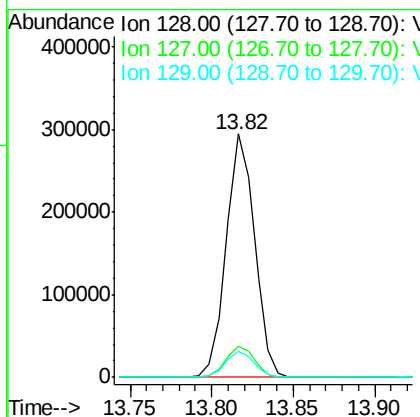
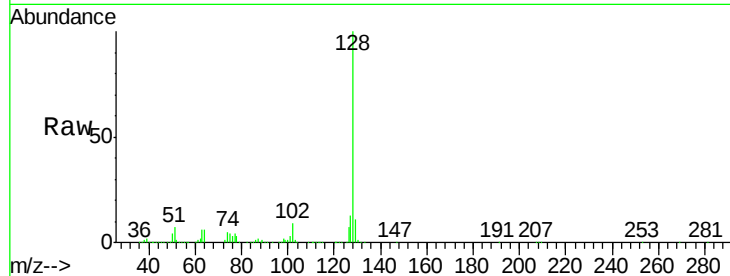
#91
Naphthalene
Concen: 18.032 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	128	Resp:	356654
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.7	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.636 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX016003.D
Acq: 01 May 2020 11:13

Tgt Ion:	180	Resp:	105258
Ion Ratio	Lower	Upper	
180	100		
182	98.3	0.0	197.2
145	33.3	0.0	66.0

