

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062320\
 Data File : VX016936.D
 Acq On : 23 Jun 2020 17:39
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:54:38 AM

Quant Time: Jun 24 00:27:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 00:11:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	176884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	324723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	347522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	153657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	275813	98.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.20%	
35) Dibromofluoromethane	5.46	113	233424	105.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.10%	
50) Toluene-d8	8.70	98	764221	97.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.98%	
62) 4-Bromofluorobenzene	11.12	95	328363	104.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	242301	117.464	ug/l	99
3) Chloromethane	1.32	50	207266	106.731	ug/l	99
4) Vinyl Chloride	1.39	62	211626	108.994	ug/l	99
5) Bromomethane	1.62	94	104970	100.530	ug/l	98
6) Chloroethane	1.70	64	143457	102.015	ug/l	99
7) Trichlorofluoromethane	1.91	101	366859	107.118	ug/l	96
8) Diethyl Ether	2.17	74	134561	103.332	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	206007	107.859	ug/l	100
10) Methyl Iodide	2.49	142	283861	115.222	ug/l	99
11) Tert butyl alcohol	3.02	59	331721	564.791	ug/l	99
12) 1,1-Dichloroethene	2.35	96	196480	109.271	ug/l	98
13) Acrolein	2.28	56	188432	608.835	ug/l	99
14) Allyl chloride	2.71	41	456486	110.949	ug/l	99
15) Acrylonitrile	3.12	53	725711	565.645	ug/l	100
16) Acetone	2.42	43	575938	542.480	ug/l	98
17) Carbon Disulfide	2.55	76	582718	103.053	ug/l	97
18) Methyl Acetate	2.75	43	381250	108.443	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	864233	111.192	ug/l	98
20) Methylene Chloride	2.83	84	264882	100.015	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	242605	108.221	ug/l	99
22) Diisopropyl ether	3.82	45	897194	123.965	ug/l	99
23) Vinyl Acetate	3.79	43	3745892	640.853	ug/l	99
24) 1,1-Dichloroethane	3.67	63	458963	110.125	ug/l	99
25) 2-Butanone	4.64	43	973152	580.815	ug/l	100
26) 2,2-Dichloropropane	4.56	77	390857	106.679	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	271015	107.478	ug/l	98
28) Bromochloromethane	4.98	49	225610	104.226	ug/l	99
29) Tetrahydrofuran	5.09	42	639501	621.660	ug/l	100
30) Chloroform	5.18	83	479281	109.162	ug/l	98
31) Cyclohexane	5.55	56	325210	97.947	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	420885	109.347	ug/l	99
36) 1,1-Dichloropropene	5.77	75	290120	93.686	ug/l	99
37) Ethyl Acetate	4.80	43	356382	104.743	ug/l	99
38) Carbon Tetrachloride	5.76	117	320622	96.822	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	369425	108.244	ug/l	95
40) Benzene	6.12	78	861324	97.076	ug/l	99
41) Methacrylonitrile	5.01	41	217590	109.780	ug/l	99
42) 1,2-Dichloroethane	6.17	62	345792	94.949	ug/l	100
43) Isopropyl Acetate	6.42	43	637091	107.466	ug/l	100
44) Trichloroethene	7.19	130	274680	110.601	ug/l	95
45) 1,2-Dichloropropane	7.49	63	277001	112.688	ug/l	99
46) Dibromomethane	7.64	93	189144	111.328	ug/l	99
47) Bromodichloromethane	7.88	83	405913	113.913	ug/l	99
48) Methyl methacrylate	7.74	41	337425	122.407	ug/l	98
49) 1,4-Dioxane	7.71	88	134425	2267.448	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1995465	577.873	ug/l	100
52) Toluene	8.77	92	546191	100.216	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	431799	105.277	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	476251	120.332	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	274643	111.263	ug/l	98
56) Ethyl methacrylate	9.16	69	450491	117.825	ug/l	99
57) 1,3-Dichloropropane	9.35	76	465987	112.636	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	553805	353.616	ug/l	100
59) 2-Hexanone	9.48	43	1571923	594.475	ug/l	99
60) Dibromochloromethane	9.57	129	315157	116.716	ug/l	100
61) 1,2-Dibromoethane	9.65	107	288546	113.539	ug/l	99
64) Tetrachloroethene	9.32	164	225948	95.780	ug/l	98
65) Chlorobenzene	10.12	112	703975	99.174	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	271935	98.903	ug/l	100
67) Ethyl Benzene	10.24	91	1265110	99.658	ug/l	100
68) m/p-Xylenes	10.34	106	930030	199.487	ug/l	100
69) o-Xylene	10.68	106	463874	104.161	ug/l	99
70) Styrene	10.70	104	809994	106.869	ug/l	98
71) Bromoform	10.84	173	191026	93.431	ug/l #	99
73) Isopropylbenzene	11.01	105	1131384	99.230	ug/l	100
74) N-amyl acetate	10.88	43	602078	105.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	355369	93.145	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	346792m	78.832	ug/l	
77) Bromobenzene	11.24	156	261702	93.487	ug/l	96
78) n-propylbenzene	11.35	91	1383878	106.464	ug/l	100
79) 2-Chlorotoluene	11.41	91	813213	98.807	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1014454	105.644	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	149361	101.060	ug/l	100
82) 4-Chlorotoluene	11.49	91	1010764	102.591	ug/l	100
83) tert-Butylbenzene	11.76	119	1045161	111.169	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	931334	97.623	ug/l	100
85) sec-Butylbenzene	11.93	105	1055520	99.523	ug/l	100
86) p-Isopropyltoluene	12.05	119	1039068	105.854	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	517089	102.707	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	466236	92.313	ug/l	97
89) n-Butylbenzene	12.37	91	1005699	108.208	ug/l	99
90) Hexachloroethane	12.58	117	212856	110.386	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	511513	105.436	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	98447	100.518	ug/l	97

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VSTDICC100

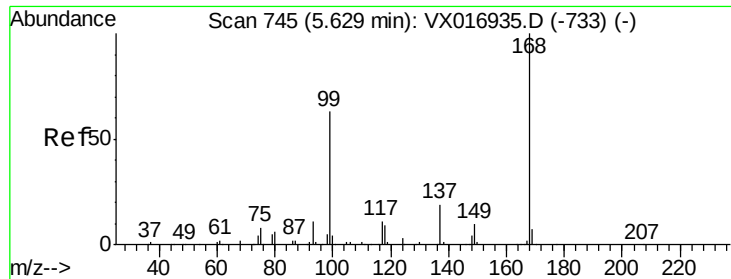
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	279389	88.157	ug/l	97
94) Hexachlorobutadiene	13.77	225	100153	90.585	ug/l	98
95) Naphthalene	13.82	128	1024648	95.147	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	275376	89.829	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 176884

Ion Ratio Lower Upper

168 100

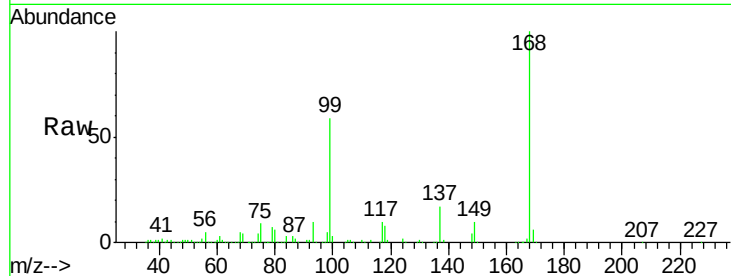
99 59.2 50.6 75.8

Manual Integrations

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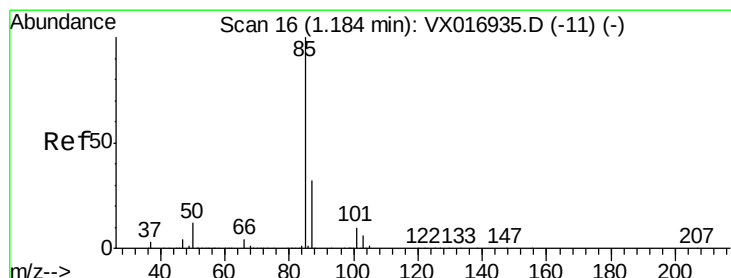
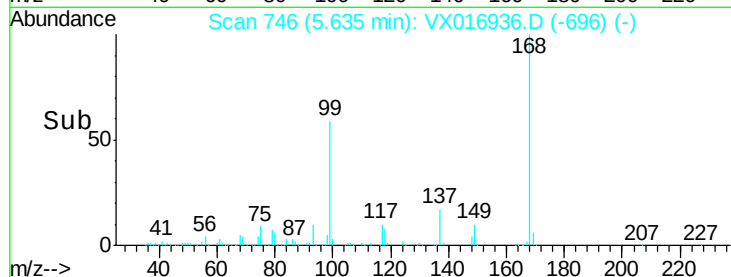
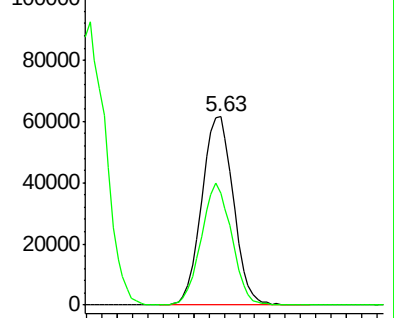
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 117.464 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016936.D

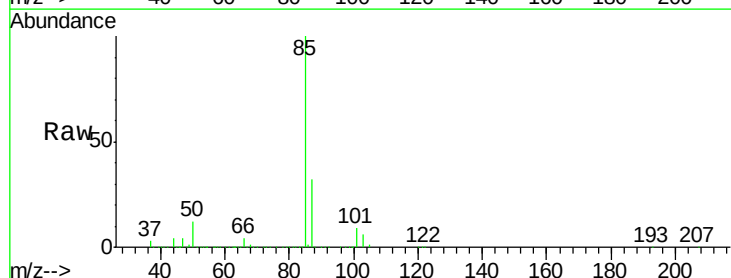
Acq: 23 Jun 2020 17:39

Tgt Ion: 85 Resp: 242301

Ion Ratio Lower Upper

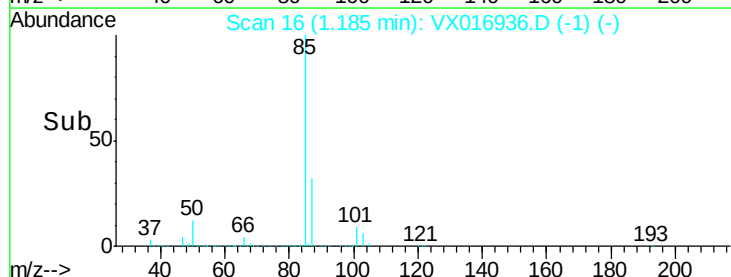
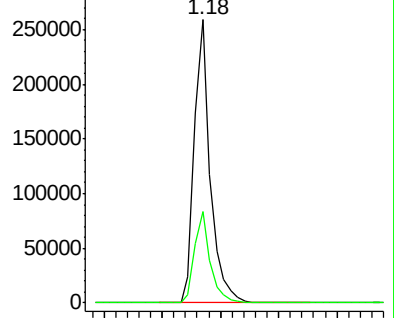
85 100

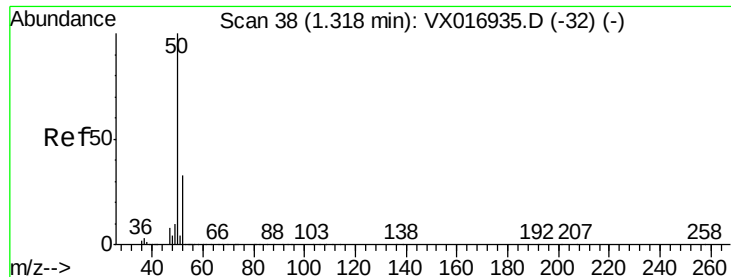
87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 106.731 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 207266

Ion Ratio Lower Upper

50 100

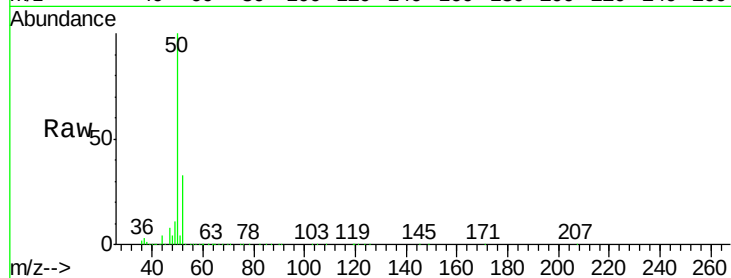
52 32.9 26.0 39.0

Manual Integrations

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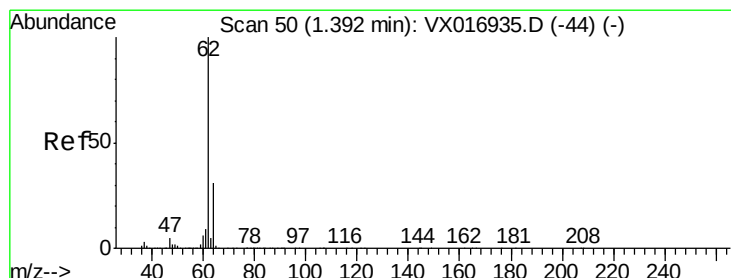
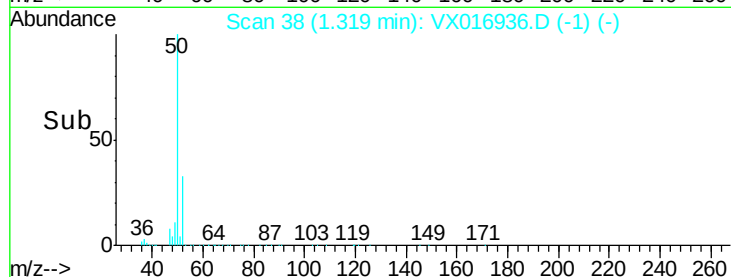
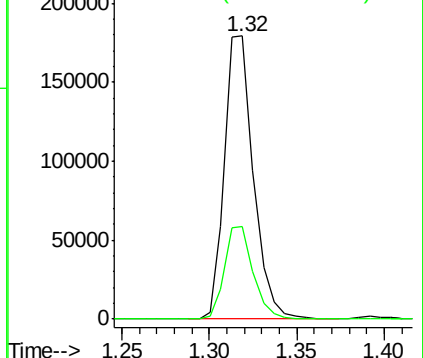
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 108.994 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016936.D

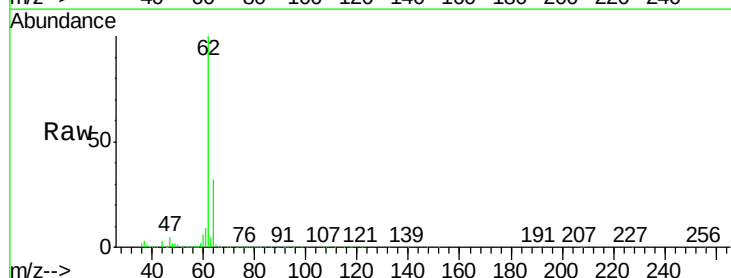
Acq: 23 Jun 2020 17:39

Tgt Ion: 62 Resp: 211626

Ion Ratio Lower Upper

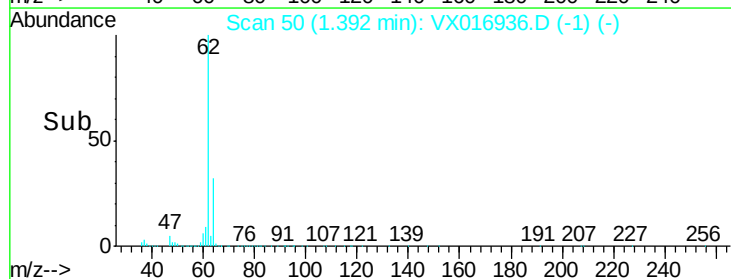
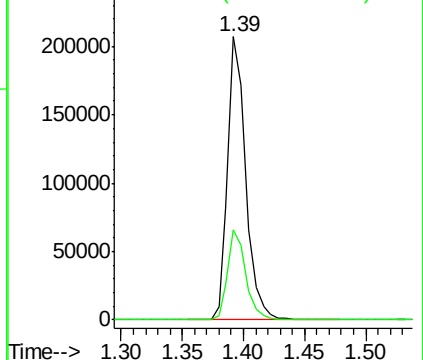
62 100

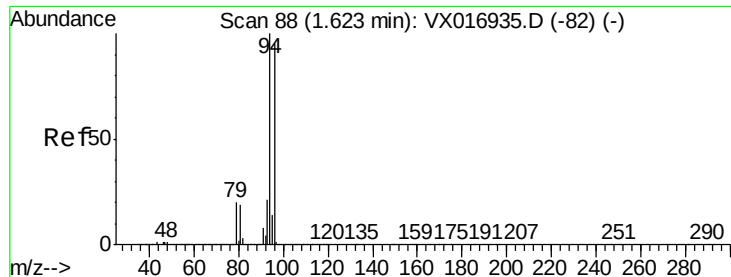
64 31.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 100.530 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 104970

Ion Ratio Lower Upper

94 100

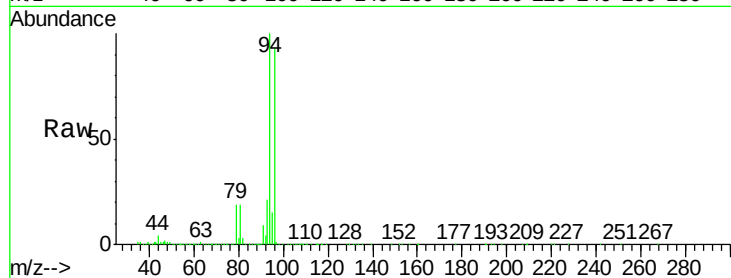
96 92.9 75.9 113.9

Manual Integrations

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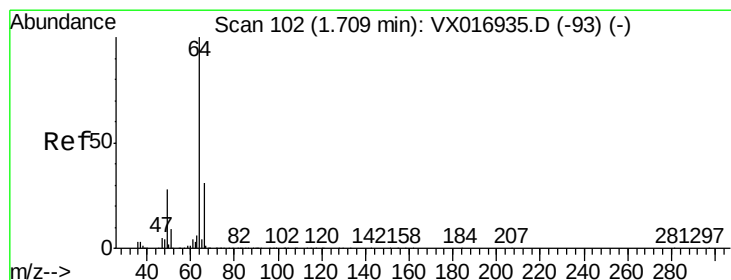
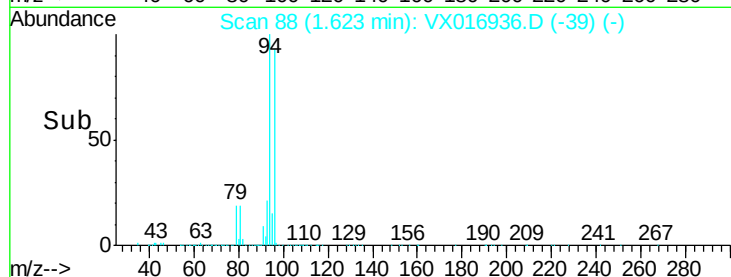
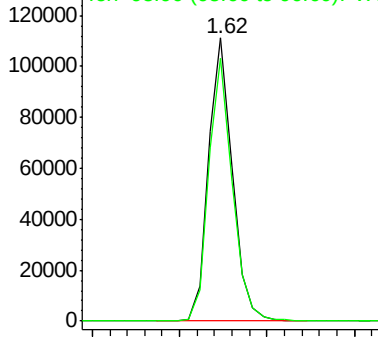
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 102.015 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX016936.D

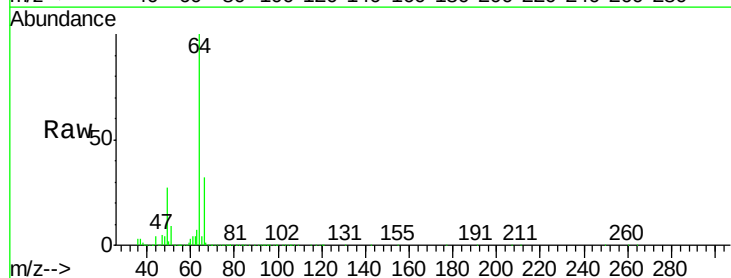
Acq: 23 Jun 2020 17:39

Tgt Ion: 64 Resp: 143457

Ion Ratio Lower Upper

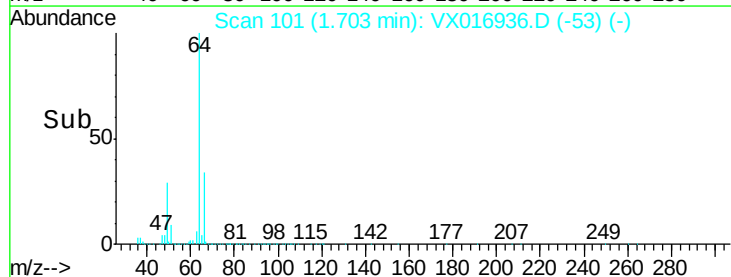
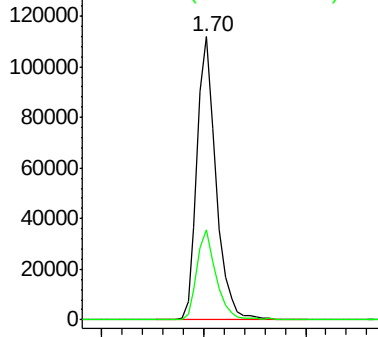
64 100

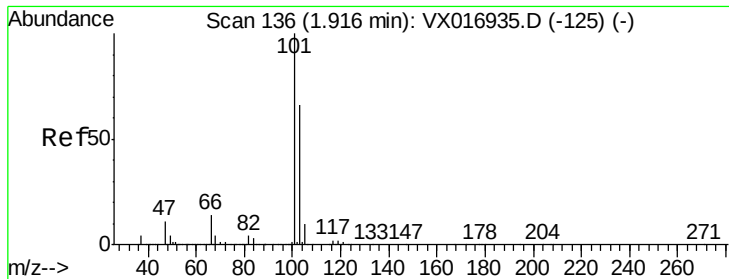
66 31.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

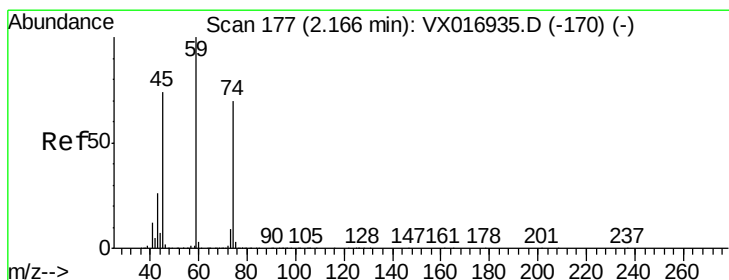
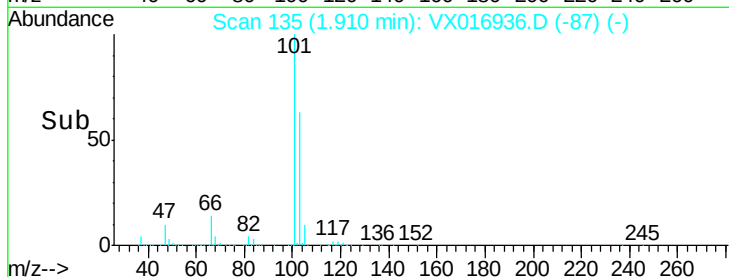
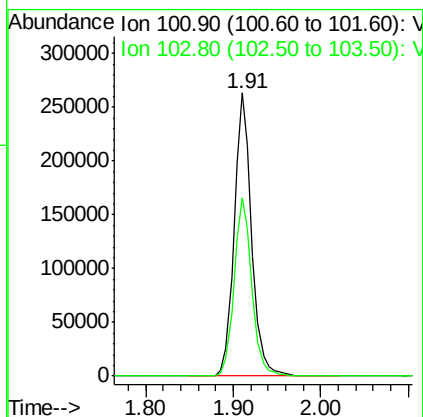
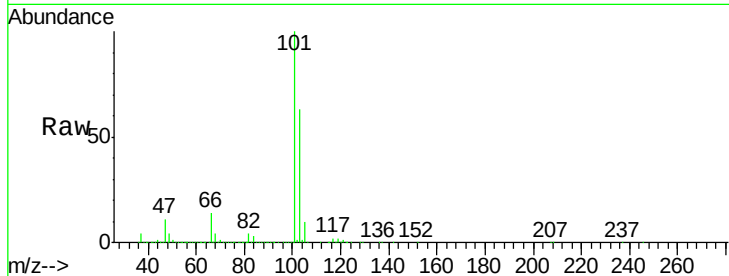
Trichlorofluoromethane
Concen: 107.118 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	366859		
103	63.0	53.0	79.4	

Manual Integrations
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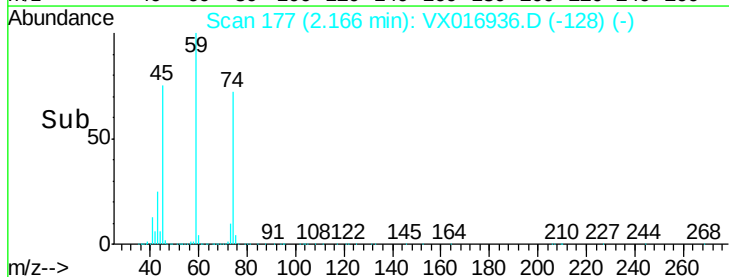
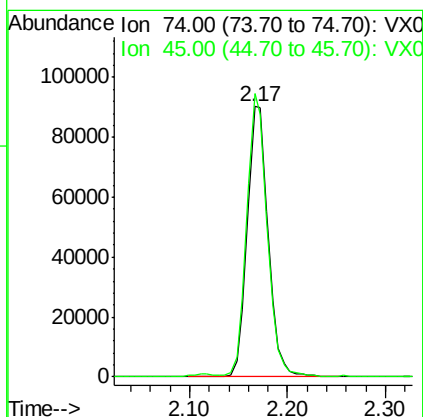
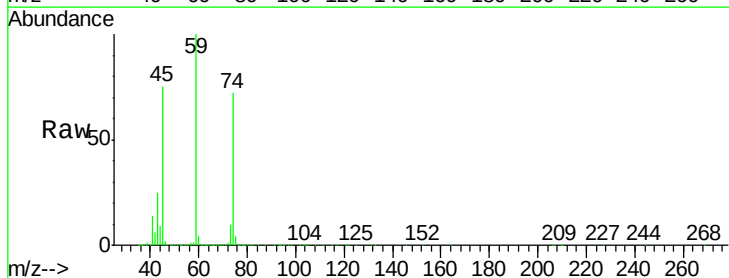
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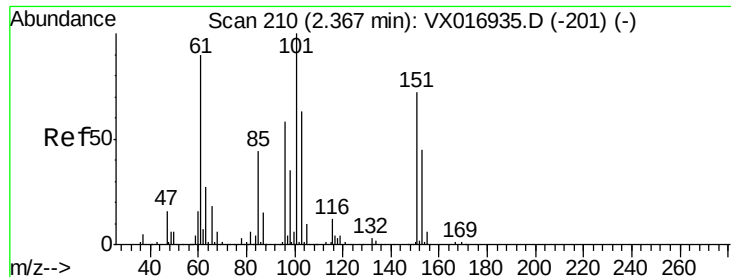


#8

Diethyl Ether
Concen: 103.332 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	134561		
45	101.2	52.6	157.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 107.859 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

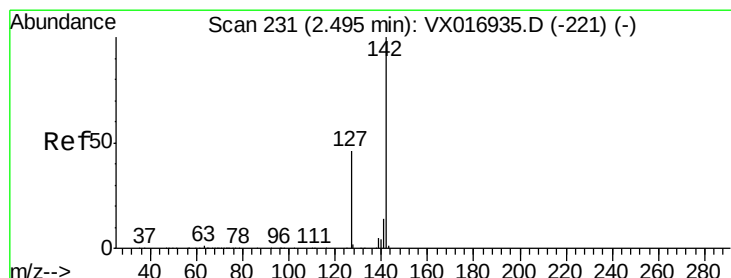
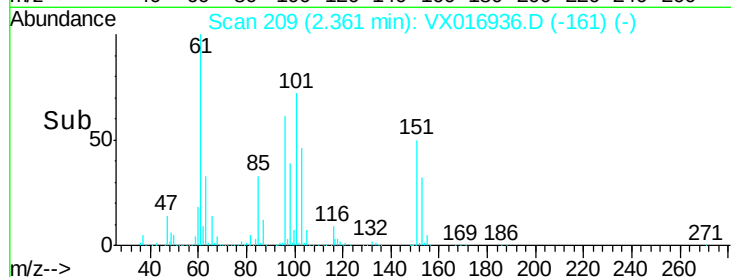
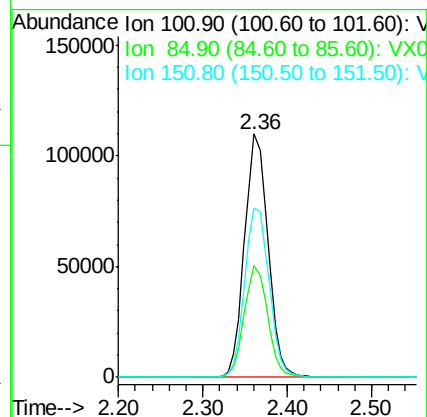
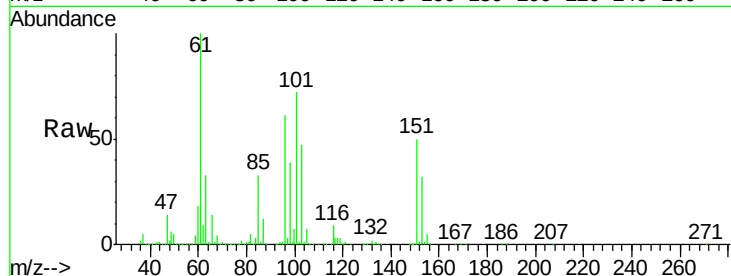
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	206007
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.9	55.3
151	72.6	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 115.222 ug/l

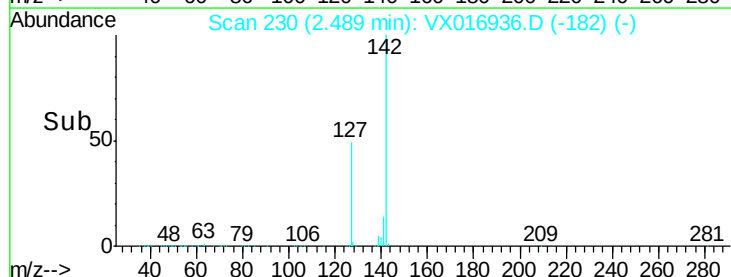
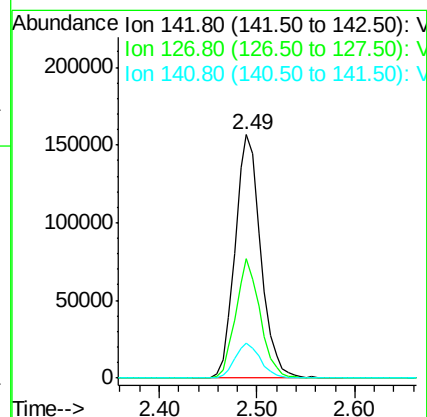
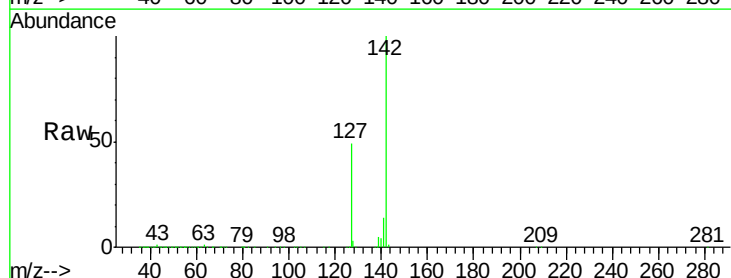
RT: 2.49 min Scan# 230

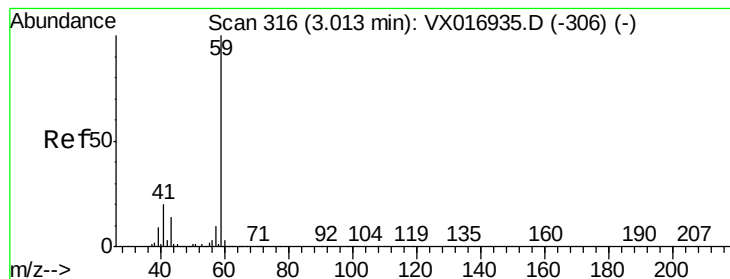
Delta R.T. -0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Tgt Ion:	142	Resp:	283861
Ion Ratio	Lower	Upper	
142	100		
127	47.2	38.3	57.5
141	14.3	11.9	17.9





#11

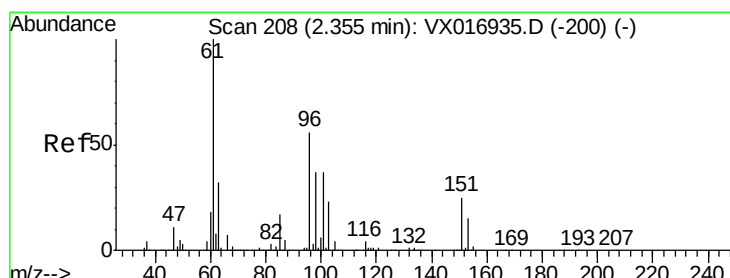
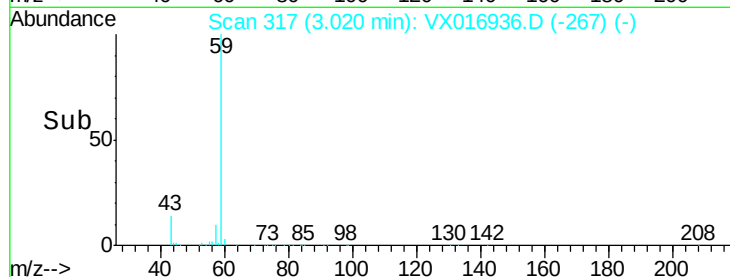
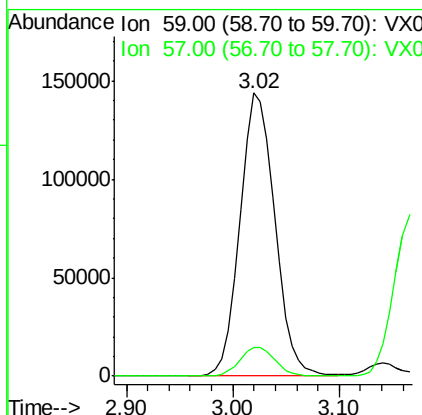
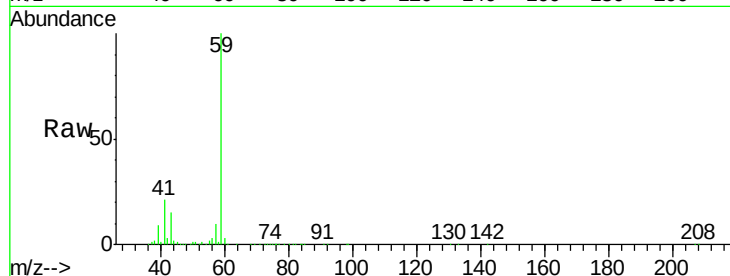
Tert butyl alcohol
Concen: 564.791 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

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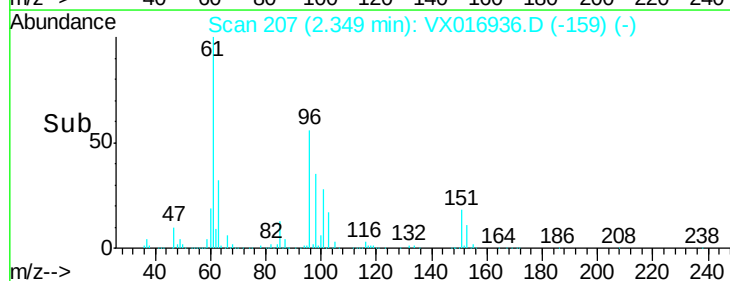
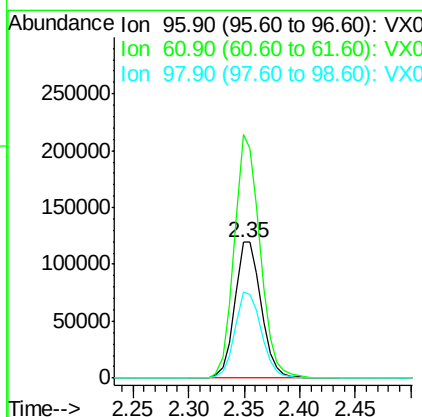
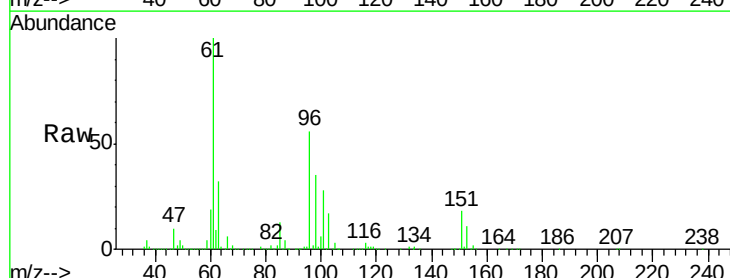
MMDadoda
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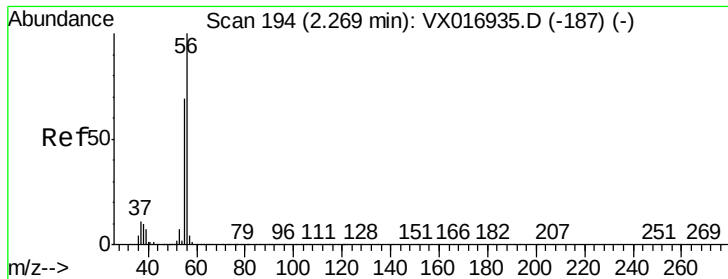


#12

1,1-Dichloroethene
Concen: 109.271 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.3	142.3	213.5
98	63.3	53.2	79.8





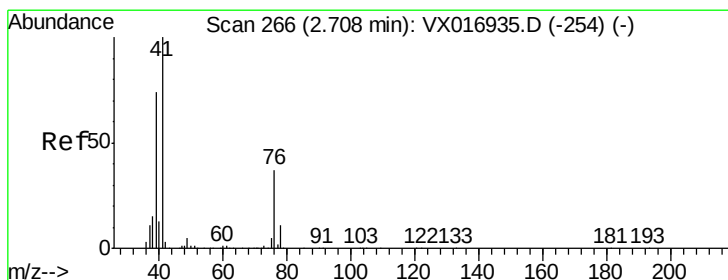
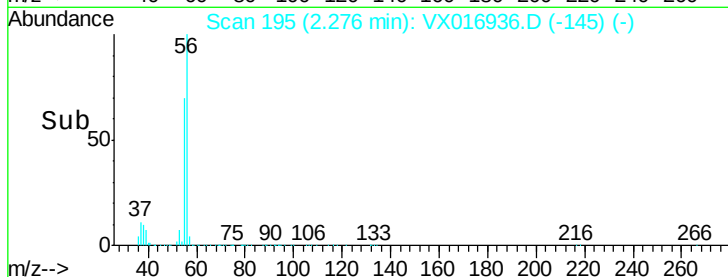
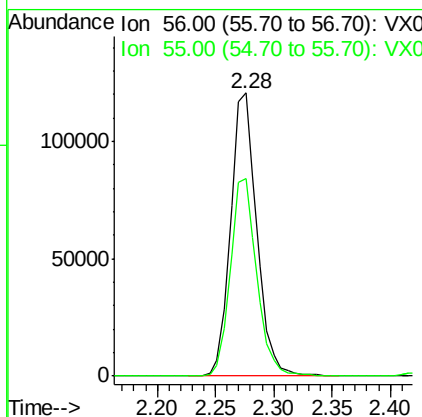
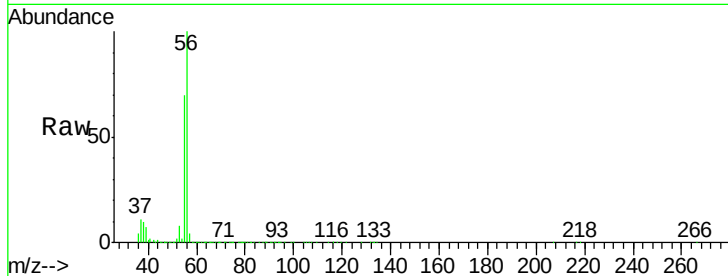
#13
Acrolein
Concen: 608.835 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.1	85.7

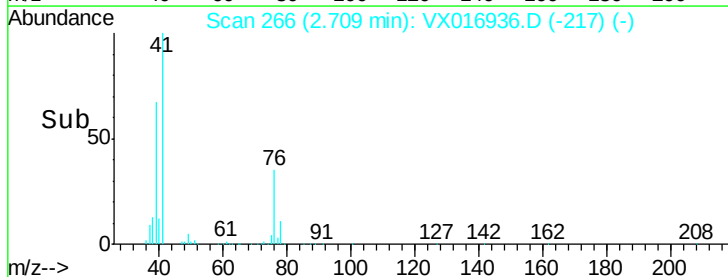
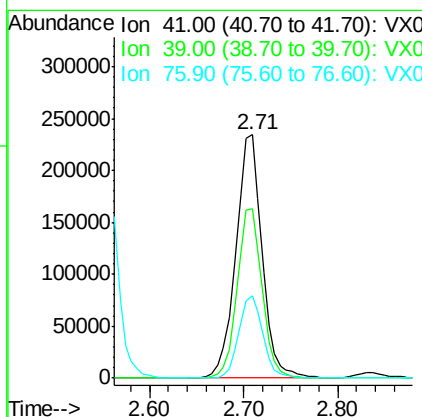
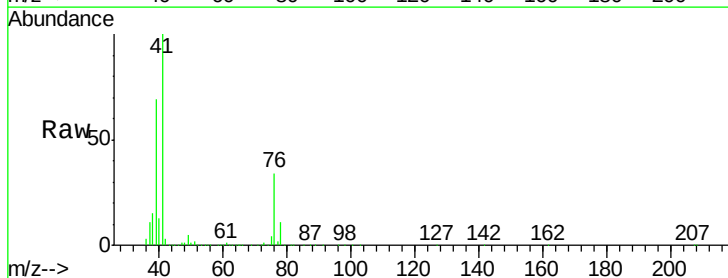
Manual Integrations
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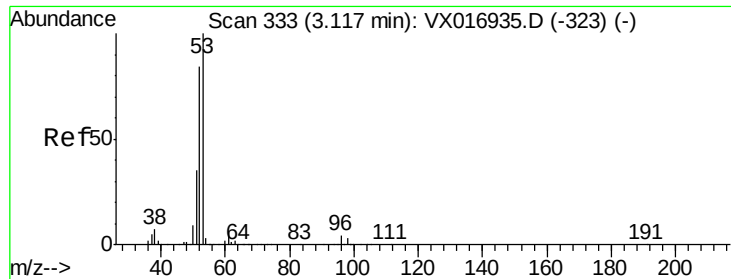
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#14
Allyl chloride
Concen: 110.949 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.6	53.3	79.9
76	30.7	25.2	37.8





#15

Acrylonitrile

Concen: 565.645 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

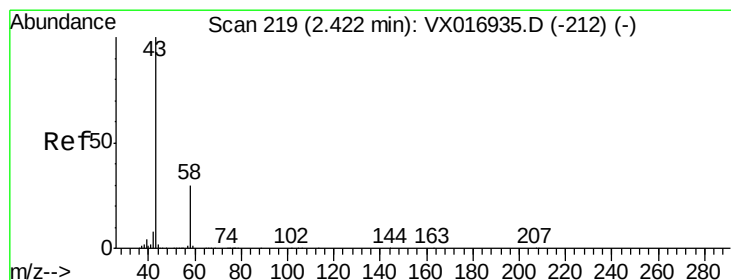
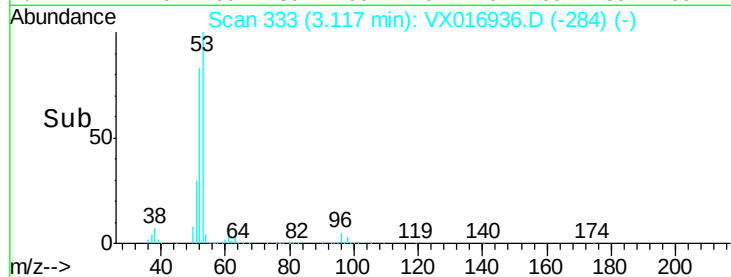
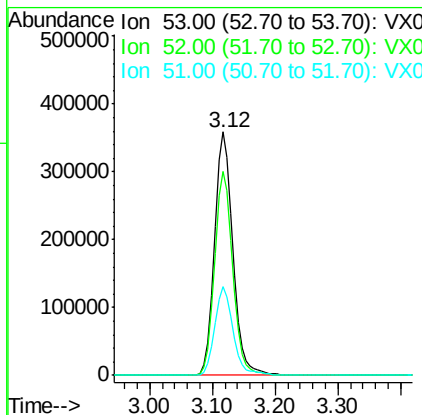
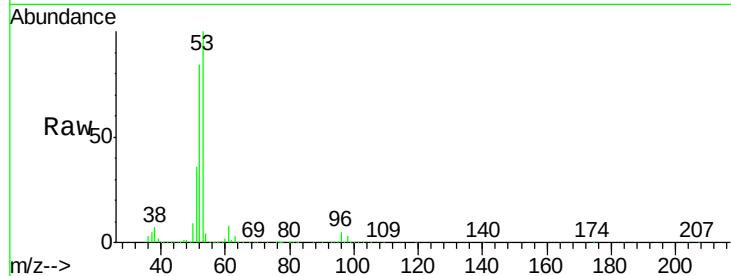
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	725711
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.0	99.0
51	36.3	28.9	43.3

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#16

Acetone

Concen: 542.480 ug/l

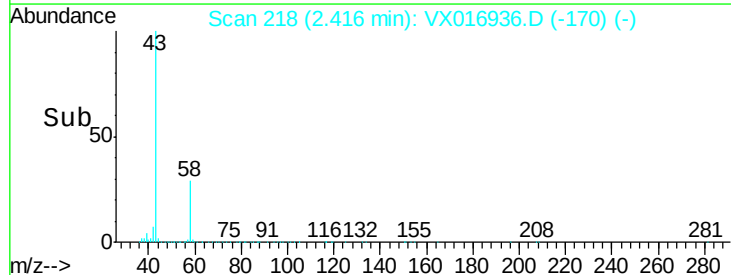
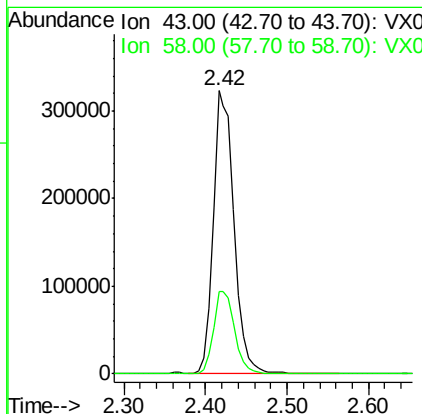
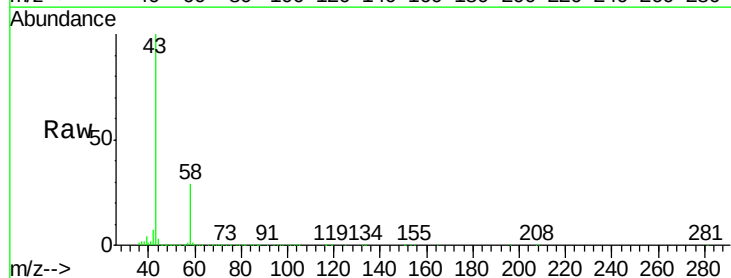
RT: 2.42 min Scan# 218

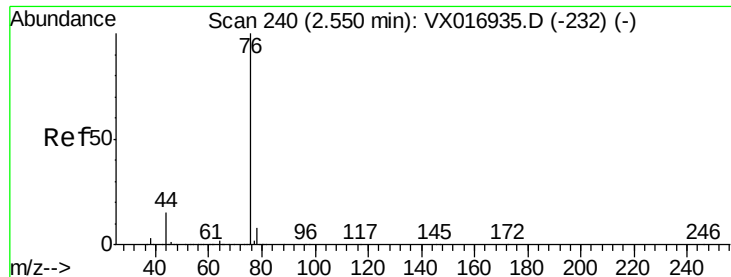
Delta R.T. -0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Tgt Ion:	43	Resp:	575938
Ion Ratio	Lower	Upper	
43	100		
58	28.9	23.9	35.9





#17

Carbon Disulfide

Concen: 103.053 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 582718

Ion Ratio Lower Upper

76 100

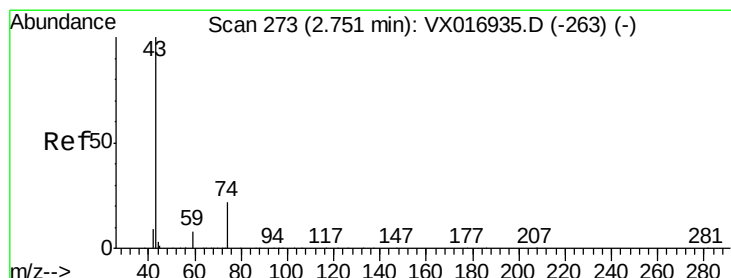
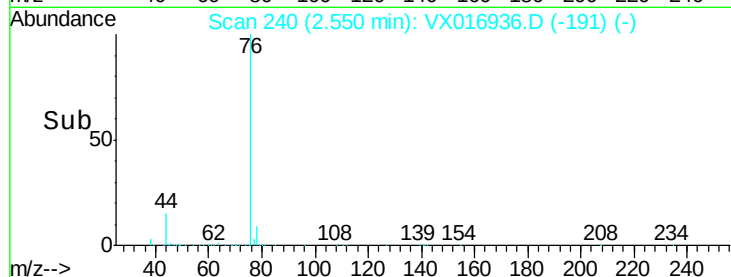
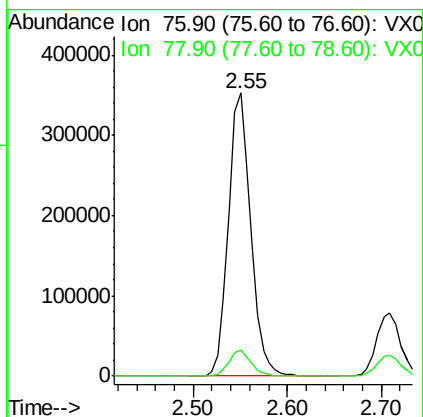
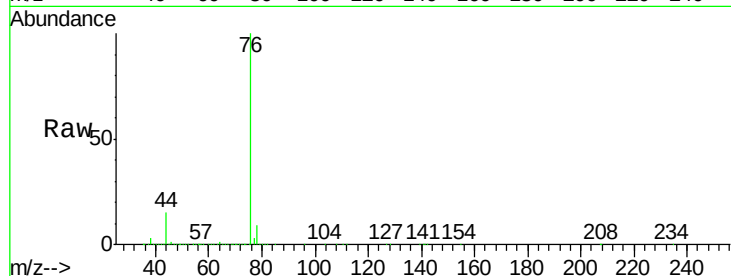
78 9.4 6.6 10.0

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#18

Methyl Acetate

Concen: 108.443 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX016936.D

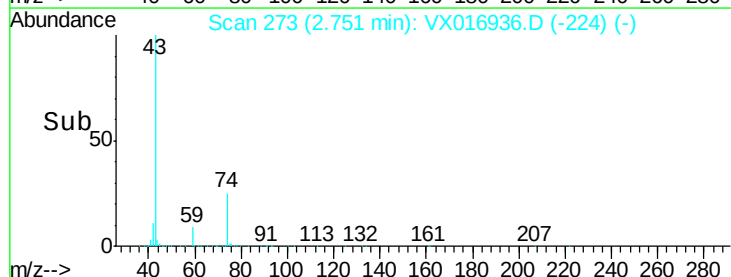
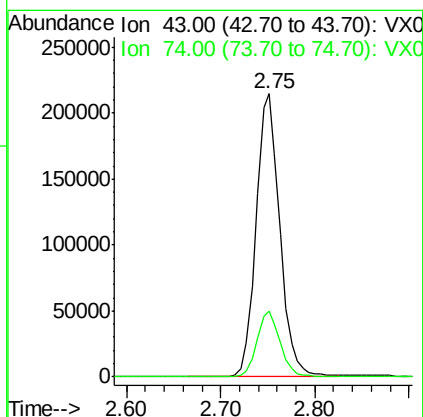
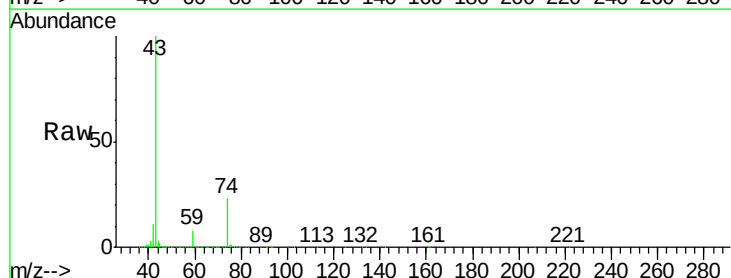
Acq: 23 Jun 2020 17:39

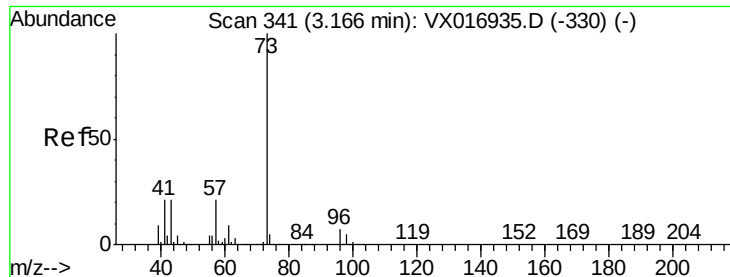
Tgt Ion: 43 Resp: 381250

Ion Ratio Lower Upper

43 100

74 23.0 18.6 27.8





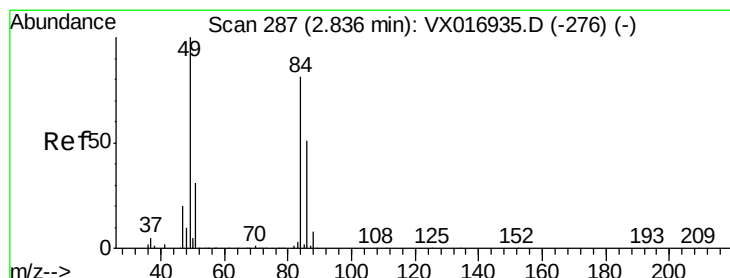
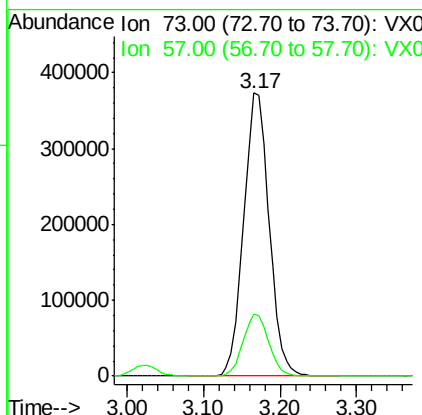
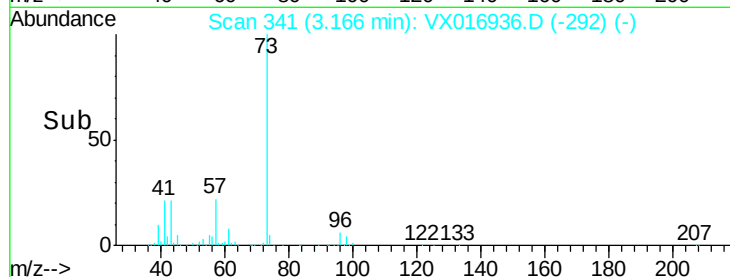
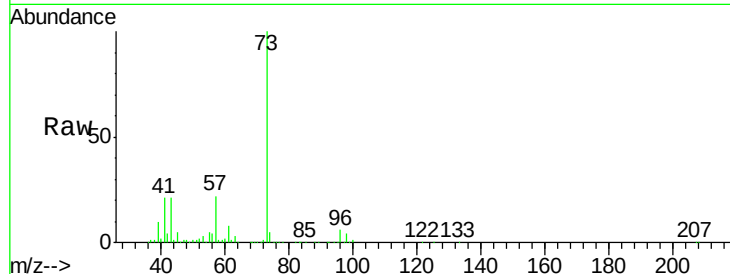
#19
Methyl tert-butyl Ether
Concen: 111.192 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.7	25.1

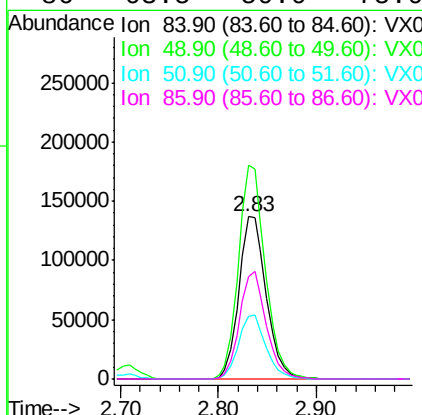
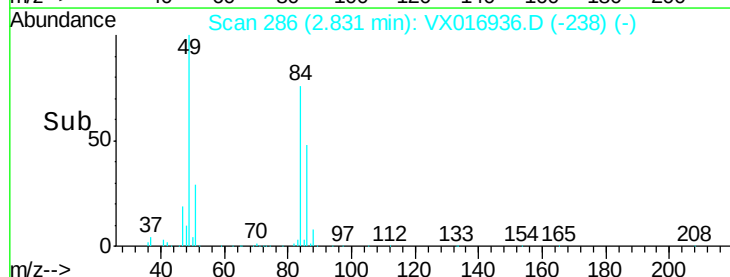
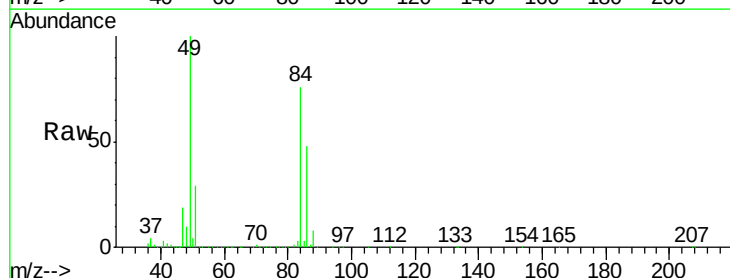
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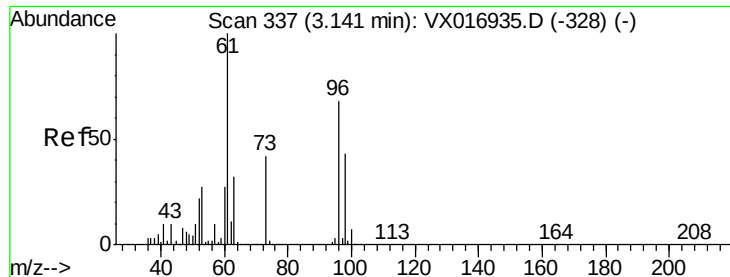
MMDadoda
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#20
Methylene Chloride
Concen: 100.015 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.5	98.2	147.4
51	38.4	30.7	46.1
86	63.5	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 108.221 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

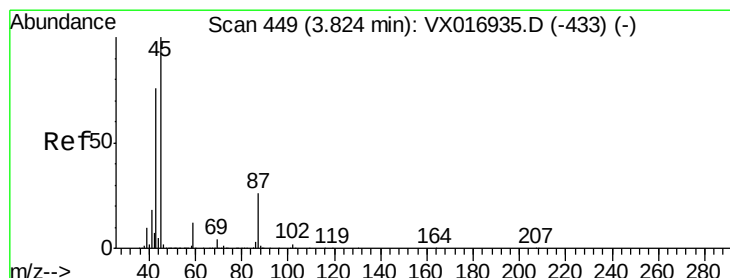
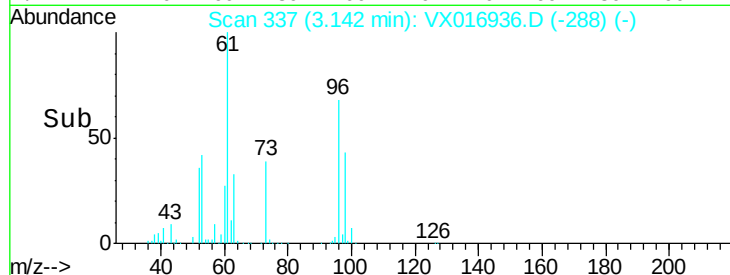
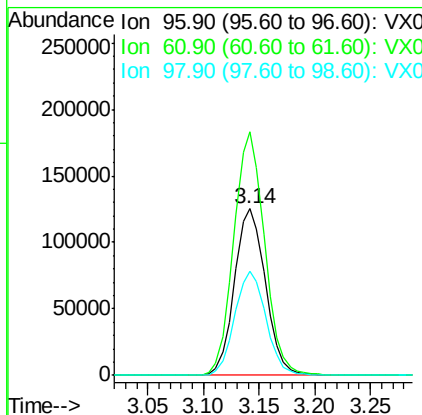
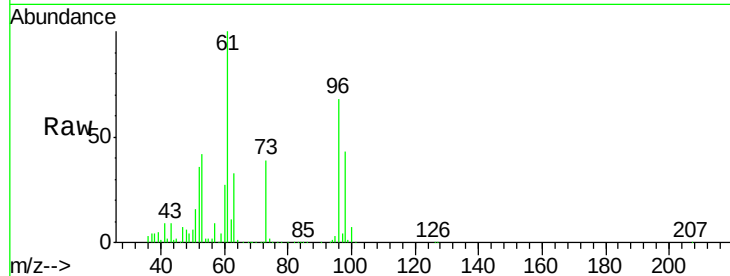
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	242605
Ion	Ratio	Lower	Upper
96	100		
61	146.1	118.1	177.1
98	62.8	50.7	76.1

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#22

Diisopropyl ether

Concen: 123.965 ug/l

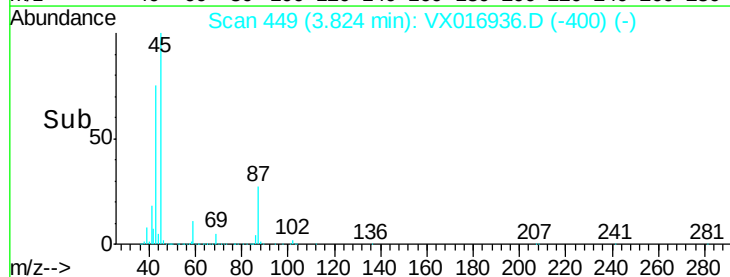
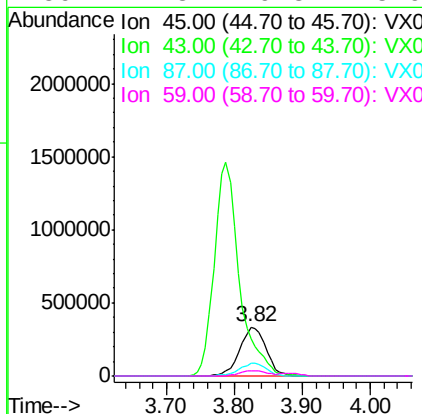
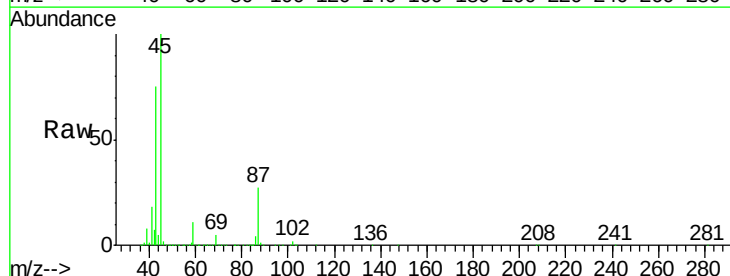
RT: 3.82 min Scan# 449

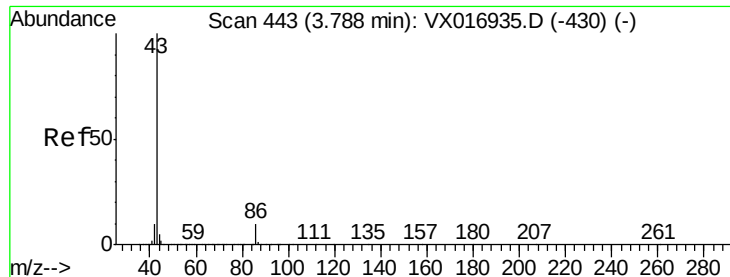
Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Tgt Ion:	45	Resp:	897194
Ion	Ratio	Lower	Upper
45	100		
43	75.1	61.0	91.4
87	26.5	20.6	30.8
59	11.3	9.3	13.9





#23

Vinyl Acetate

Concen: 640.853 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3745892

Ion Ratio Lower Upper

43 100

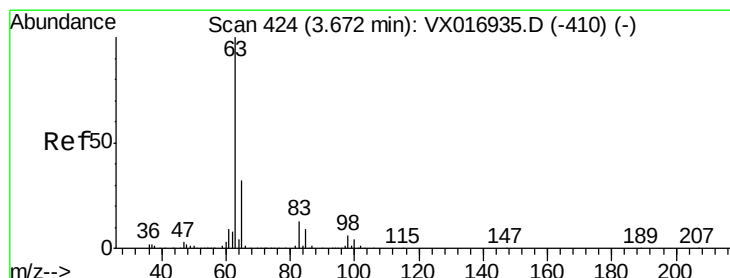
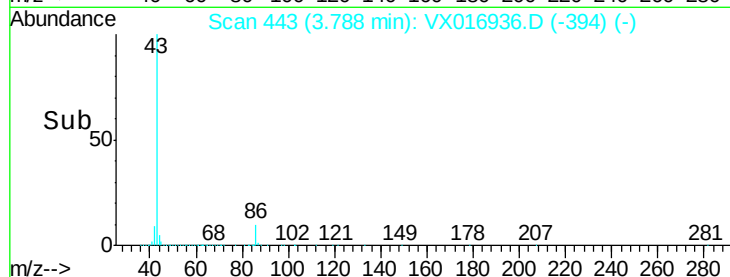
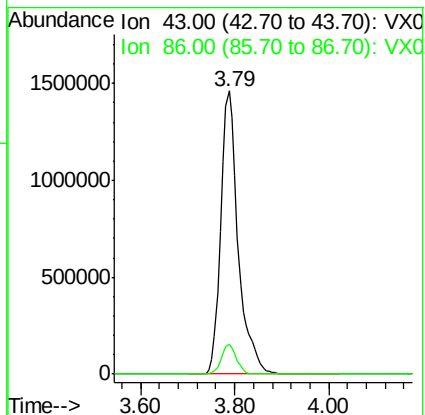
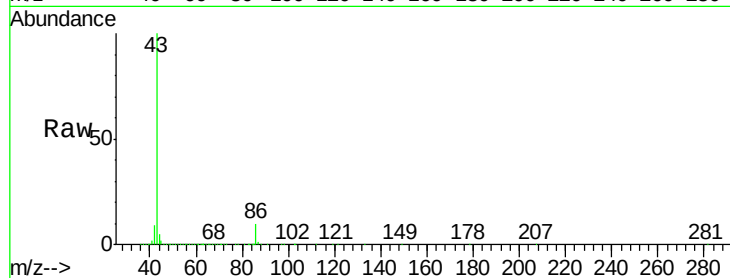
86 10.4 8.0 12.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 110.125 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

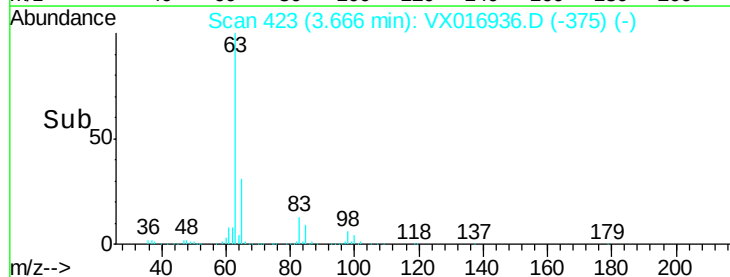
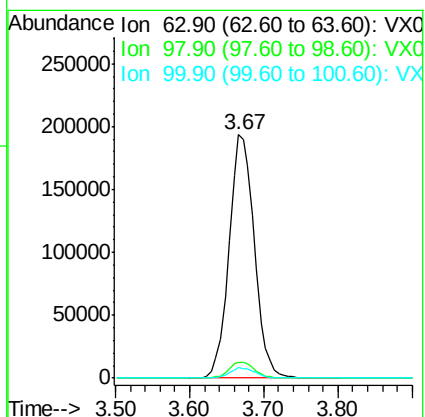
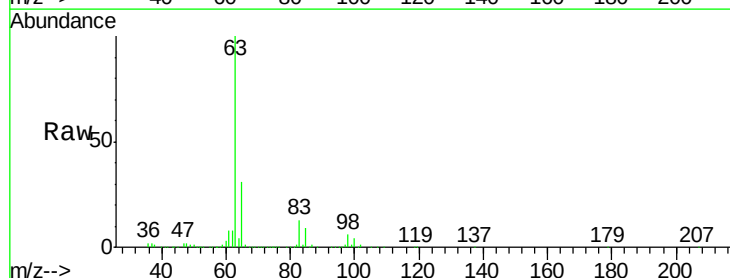
Tgt Ion: 63 Resp: 458963

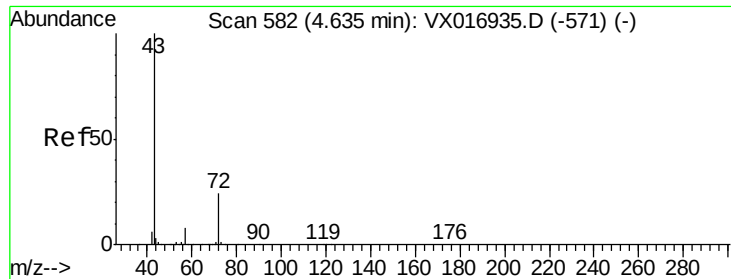
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 580.815 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 973152

Ion Ratio Lower Upper

43 100

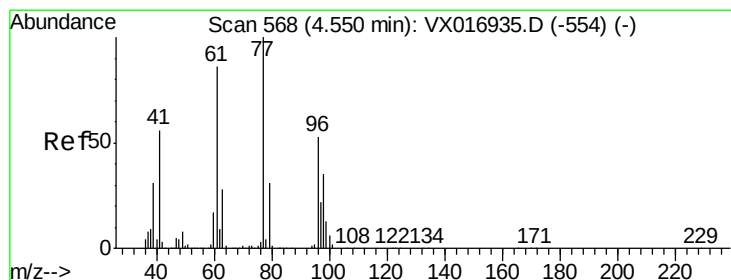
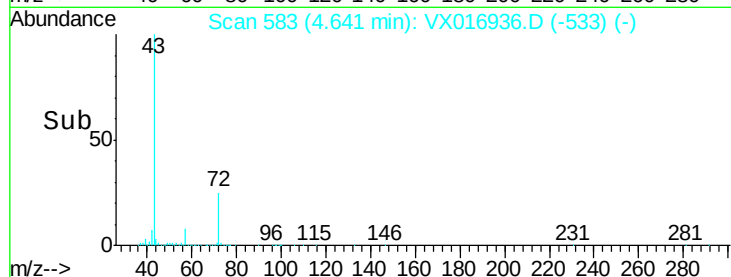
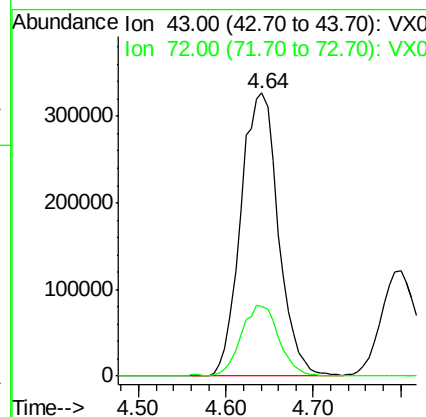
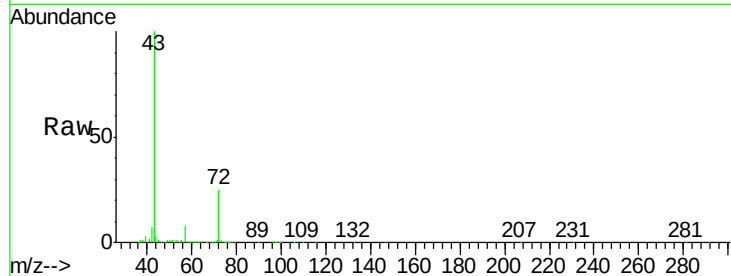
72 24.5 19.6 29.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 106.679 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016936.D

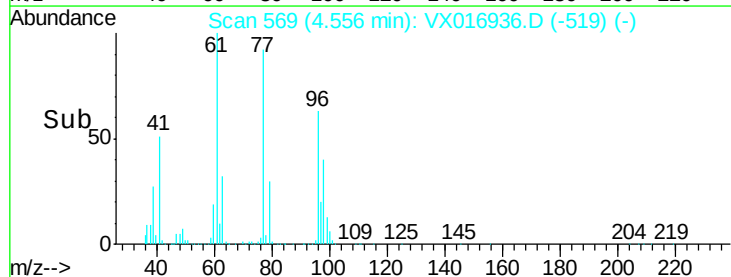
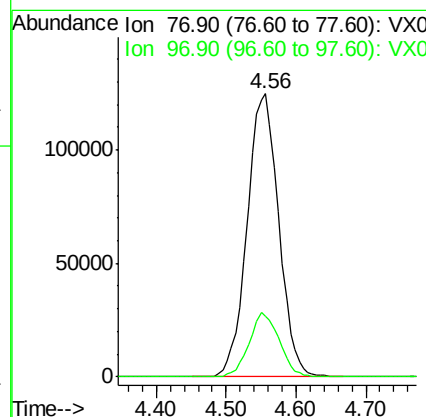
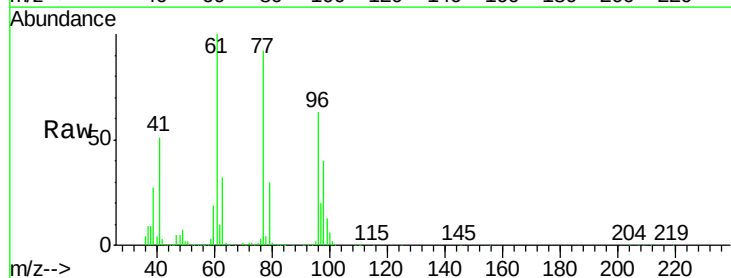
Acq: 23 Jun 2020 17:39

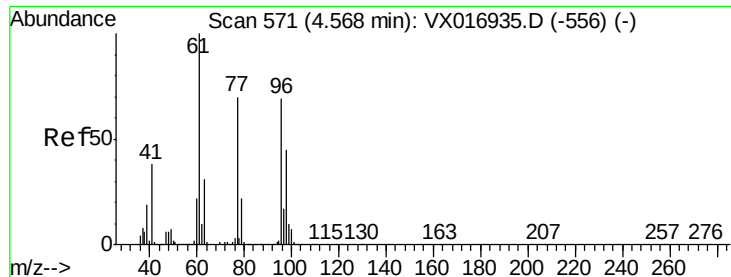
Tgt Ion: 77 Resp: 390857

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.9





#27

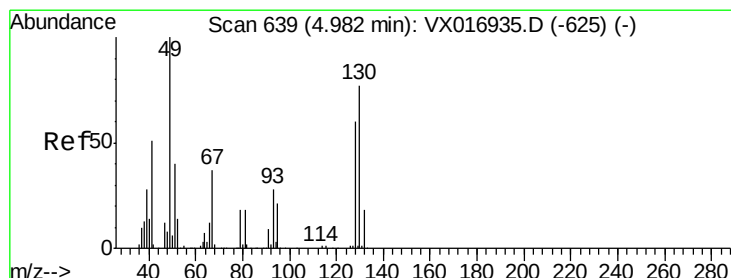
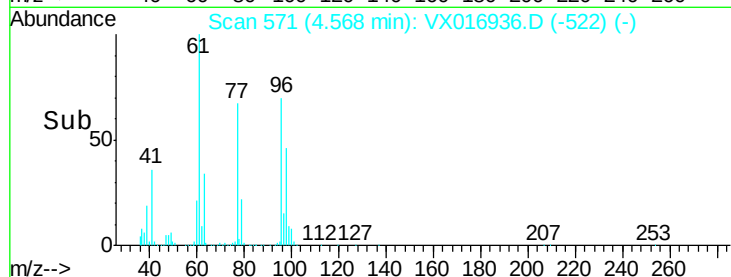
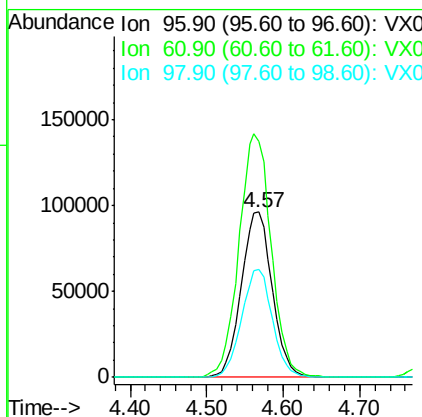
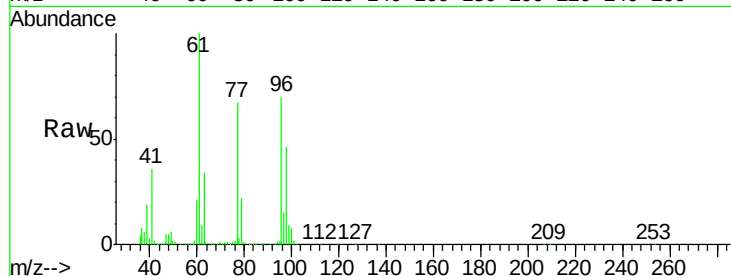
cis-1,2-Dichloroethene
Concen: 107.478 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	271015		
61	152.9	0.0	312.2	
98	65.0	0.0	130.6	

Manual Integrations
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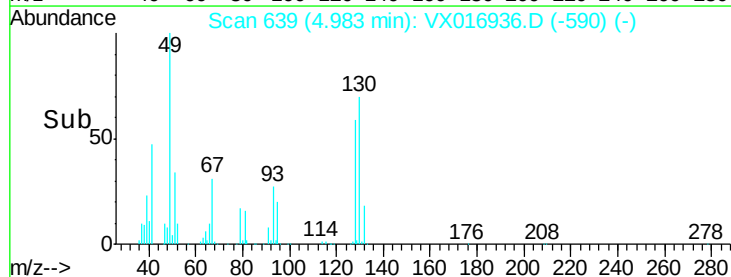
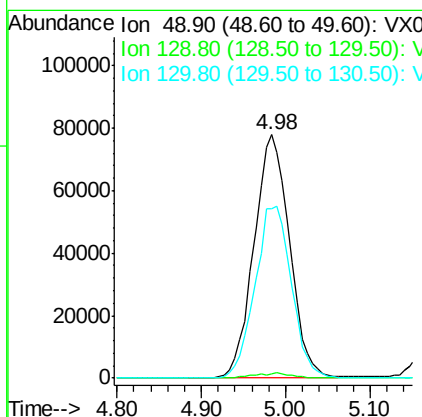
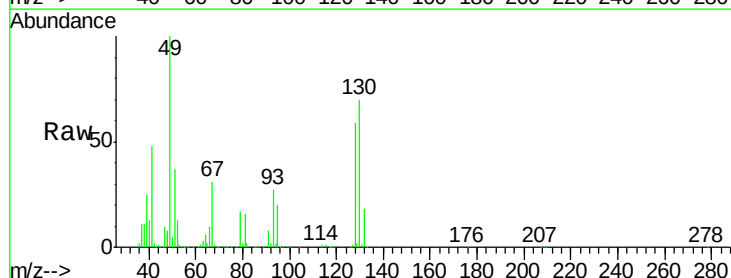
MMDadoda
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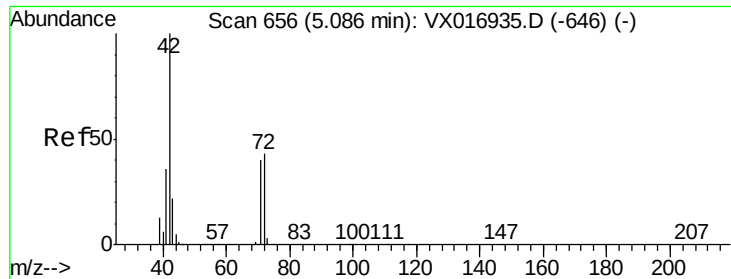


#28

Bromochloromethane
Concen: 104.226 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	225610		
129	2.1	0.0	4.0	
130	72.4	58.7	88.1	





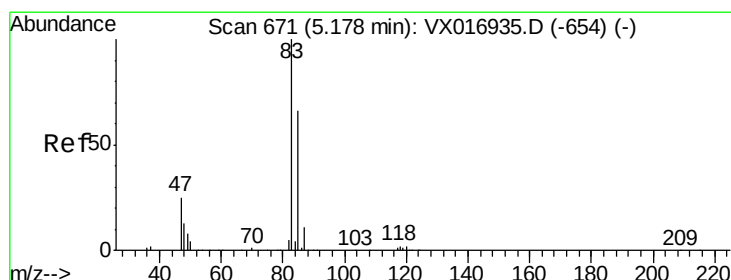
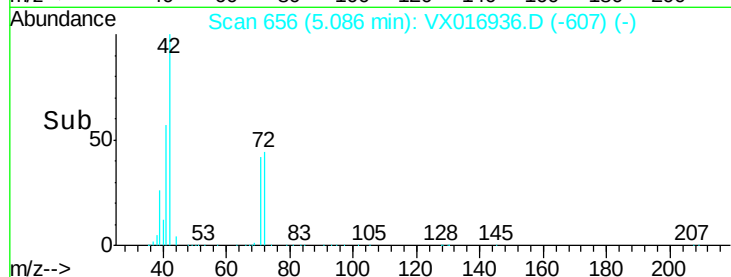
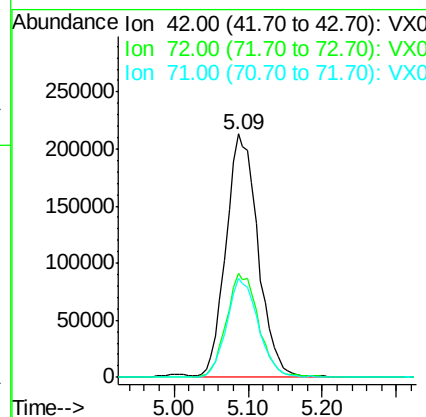
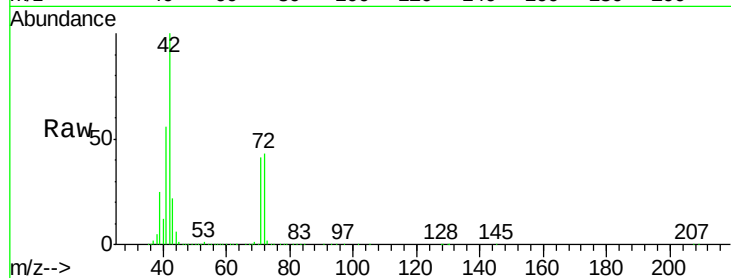
#29
Tetrahydrofuran
Concen: 621.660 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.9	52.3
71	40.1	32.2	48.4

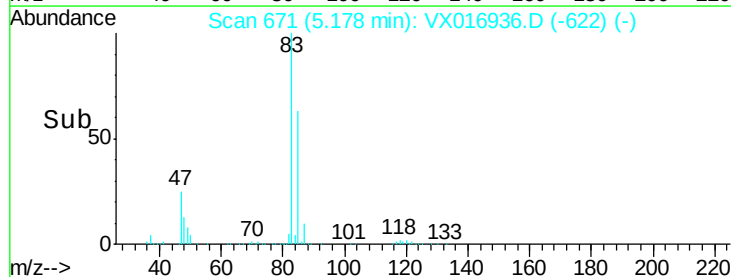
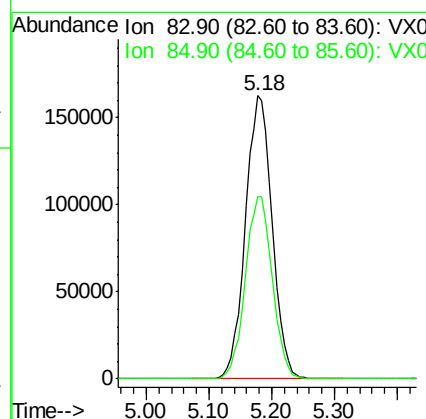
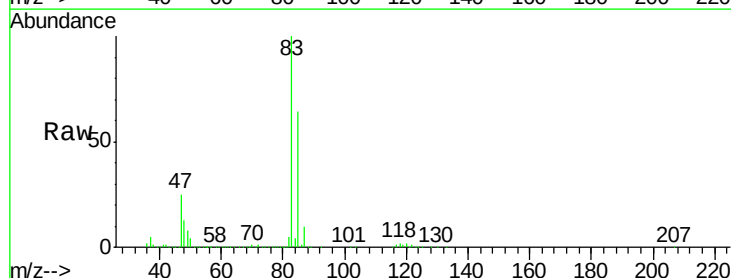
Manual Integrations
APPROVED

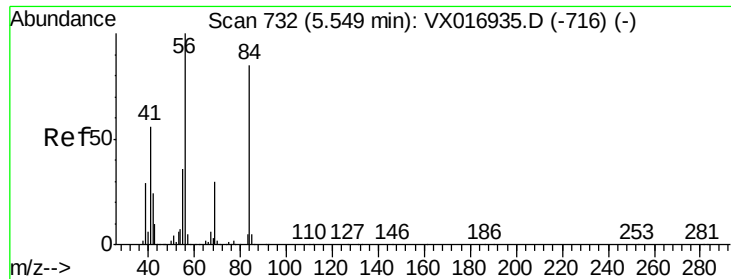
MMDadoda
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#30
Chloroform
Concen: 109.162 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2





#31

Cyclohexane

Concen: 97.947 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

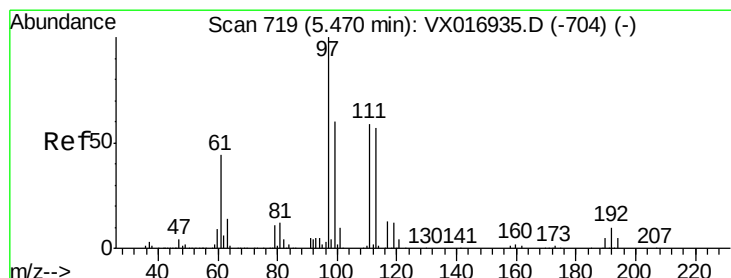
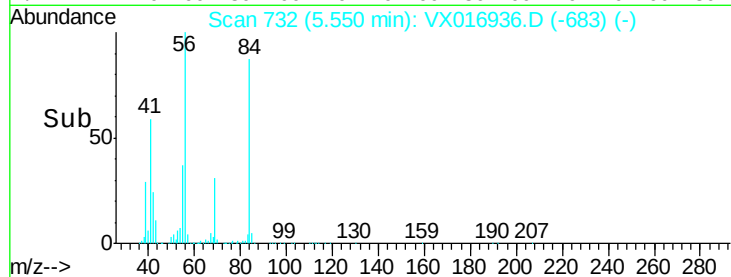
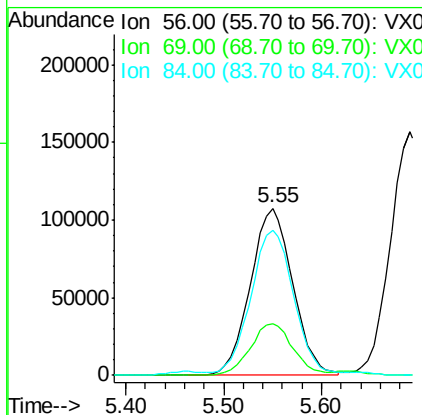
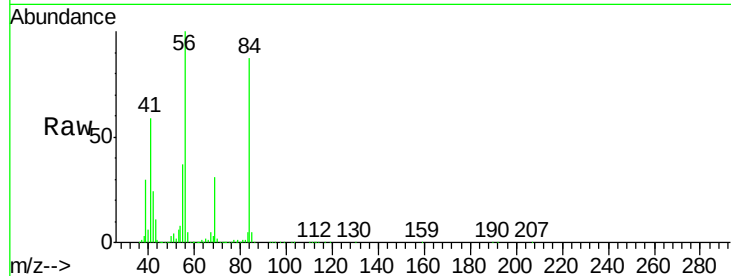
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	325210
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	85.4	67.0	100.6

Manual Integrations
APPROVED

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6/24/2020 10:54:38 AM



#32

1,1,1-Trichloroethane

Concen: 109.347 ug/l

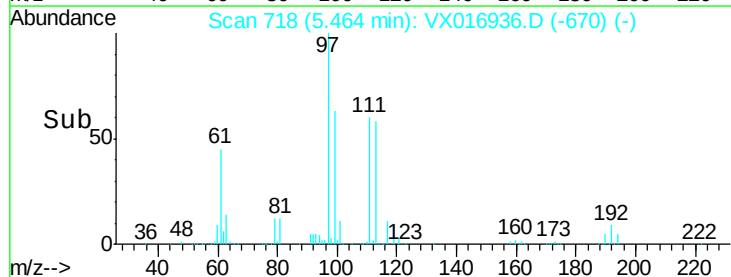
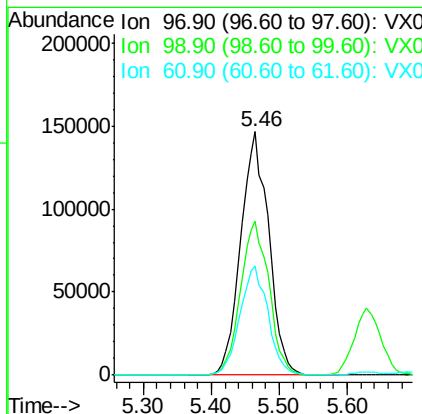
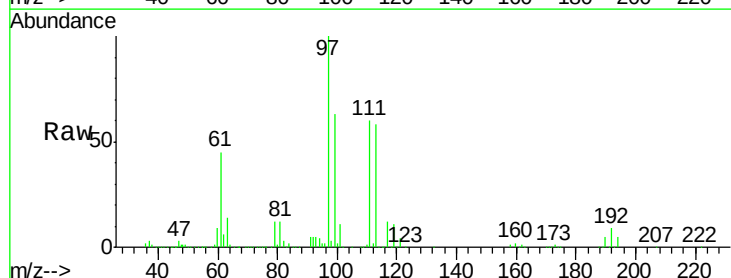
RT: 5.46 min Scan# 718

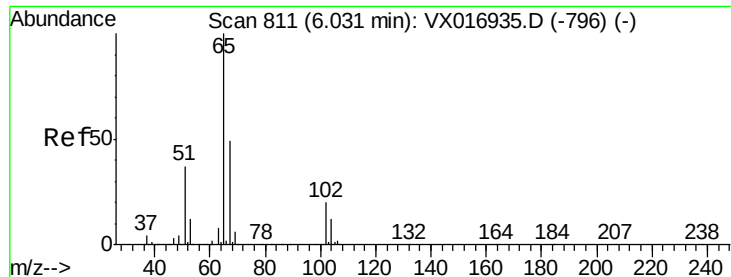
Delta R.T. -0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Tgt Ion:	97	Resp:	420885
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	44.6	36.1	54.1





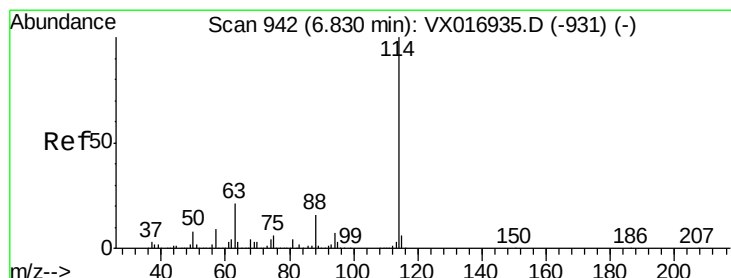
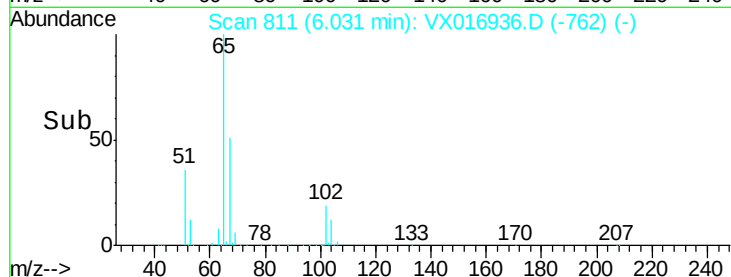
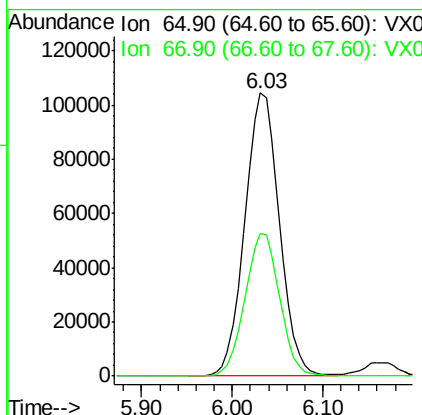
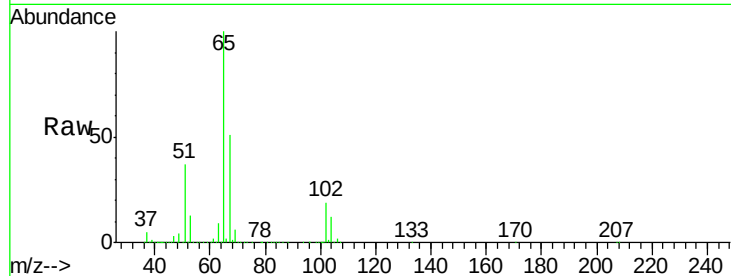
#33
 1,2-Dichloroethane-d4
 Concen: 98.604 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.6

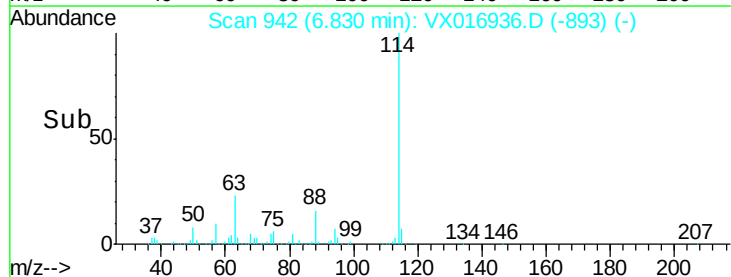
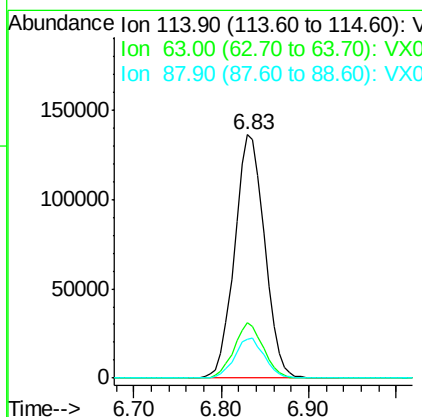
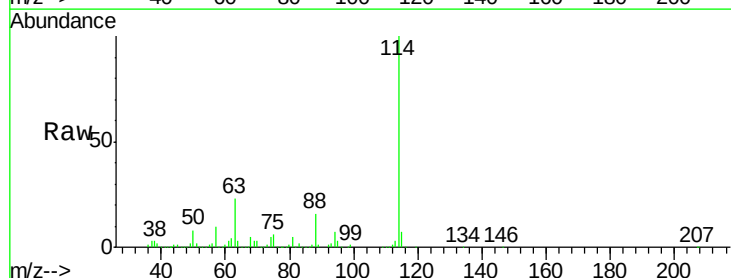
Manual Integrations
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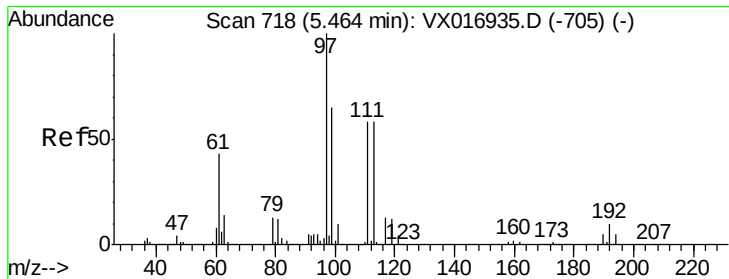
MMDadoda
 6/24/2020 10:54:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.4
88	16.1	0.0	32.4





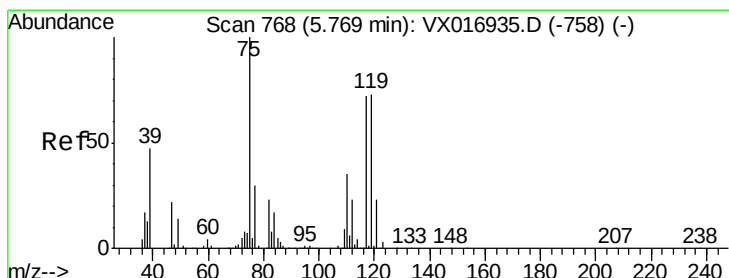
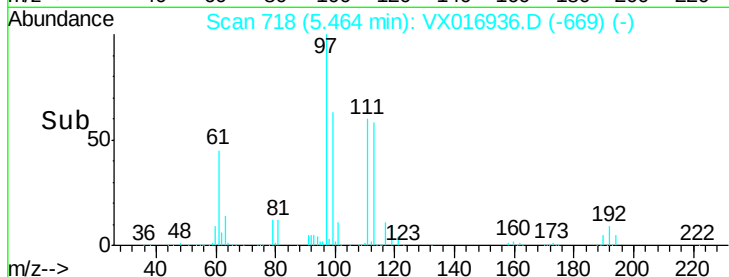
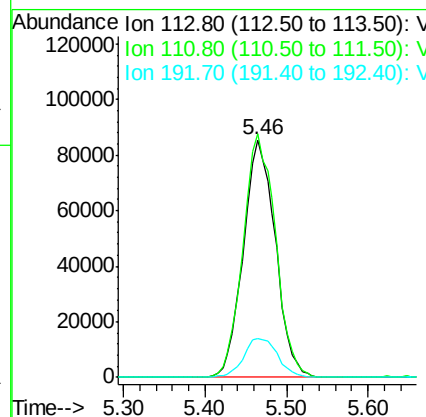
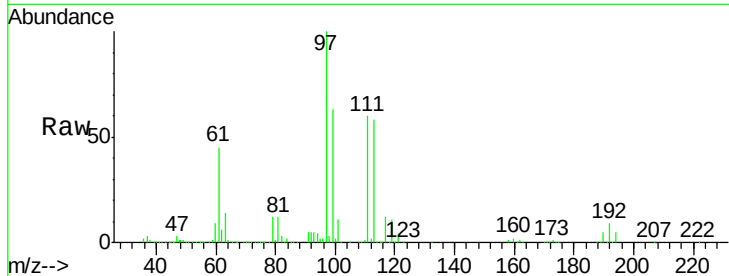
#35
 Dibromofluoromethane
 Concen: 105.054 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	233424		
111	104.0	83.4	125.0	
192	17.4	14.6	22.0	

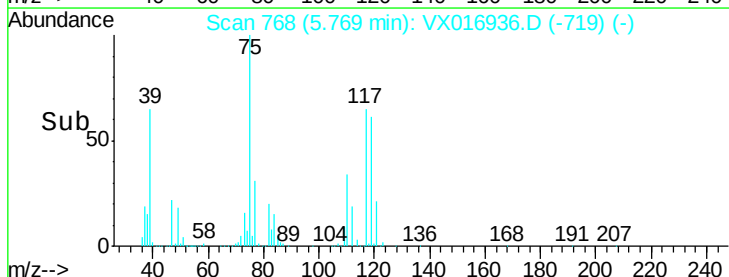
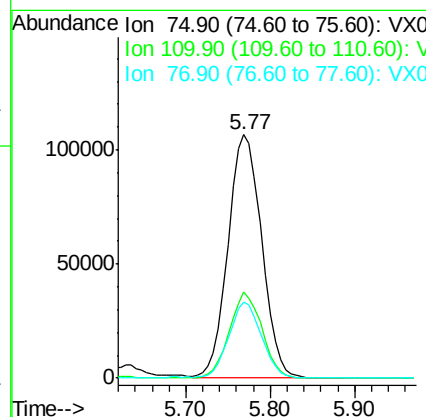
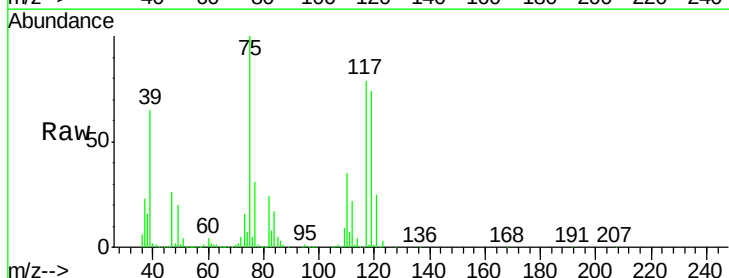
Manual Integrations
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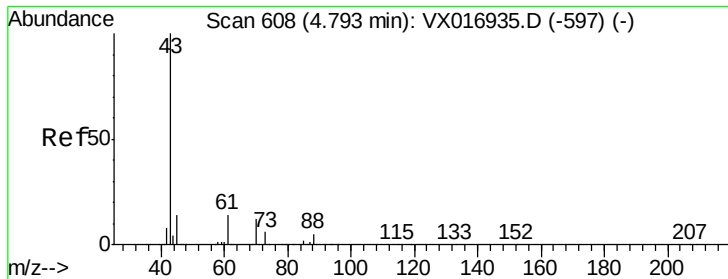
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 93.686 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	290120		
110	34.2	17.1	51.3	
77	30.4	24.9	37.3	





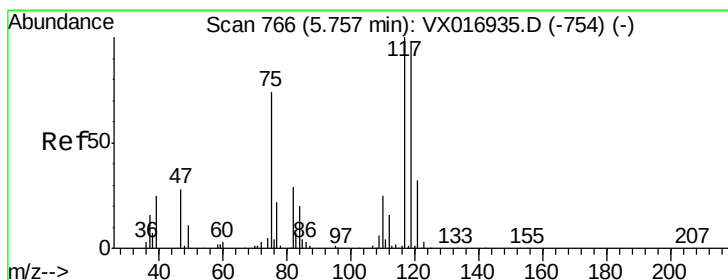
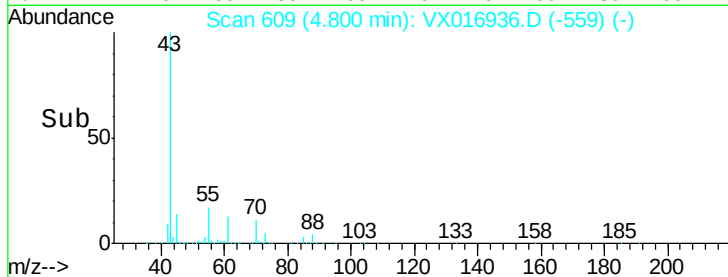
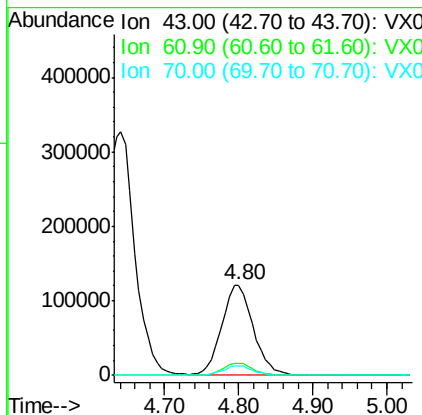
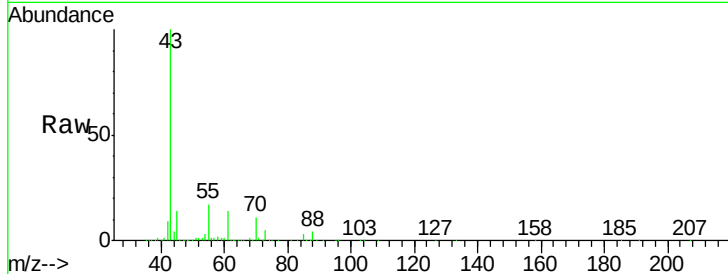
#37
Ethyl Acetate
Concen: 104.743 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	356382
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.4
70	10.4	8.9	13.3

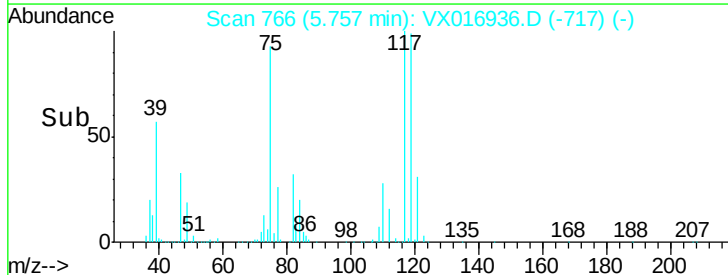
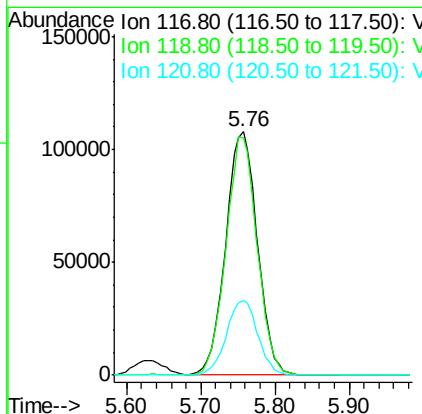
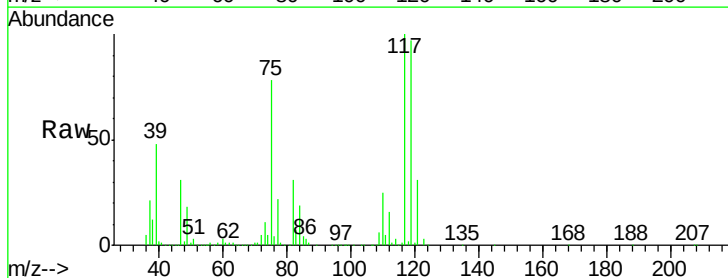
Manual Integrations
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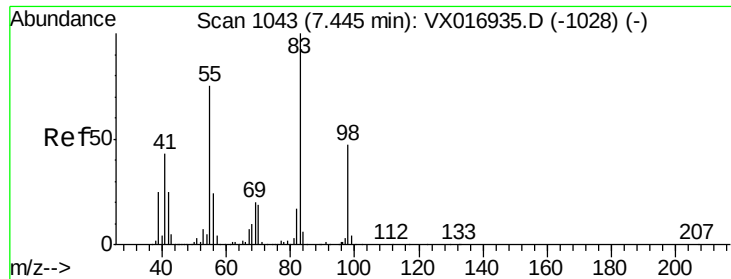
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#38
Carbon Tetrachloride
Concen: 96.822 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion:	117	Resp:	320622
Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.2	117.2
121	30.7	25.0	37.6





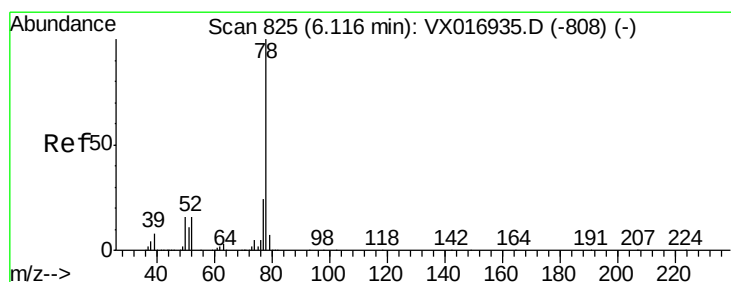
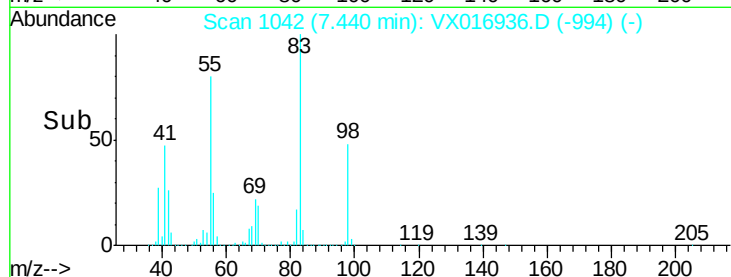
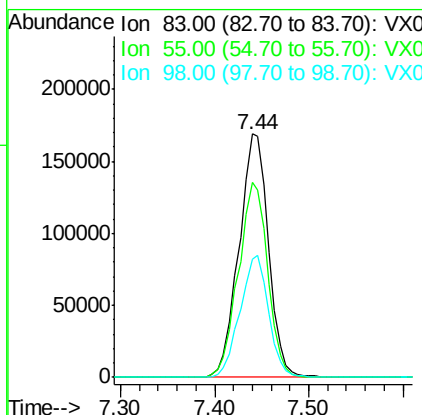
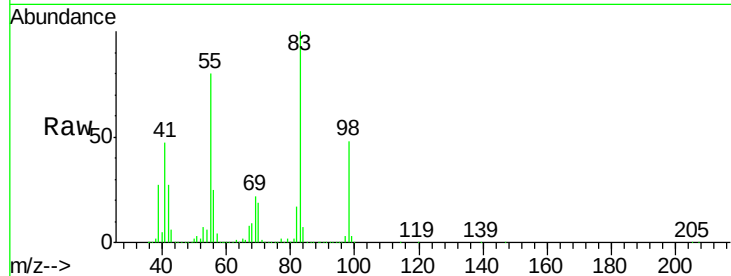
#39
Methylvlcyclohexane
Concen: 108.244 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	369425		
55	80.0		59.9	89.9
98	48.3		37.3	55.9

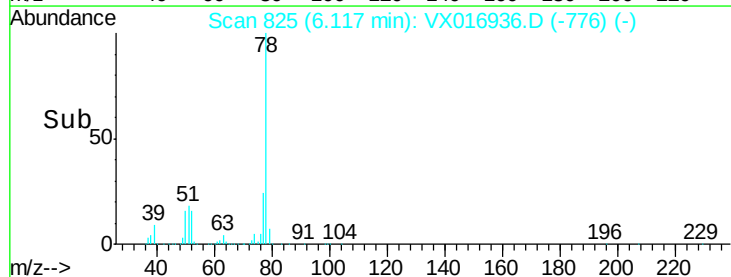
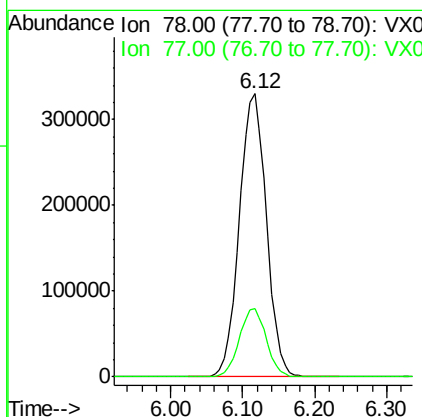
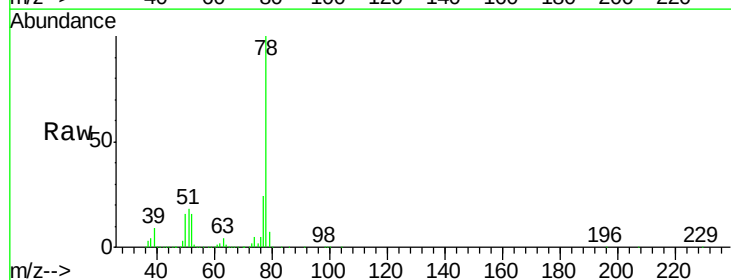
Manual Integrations
APPROVED

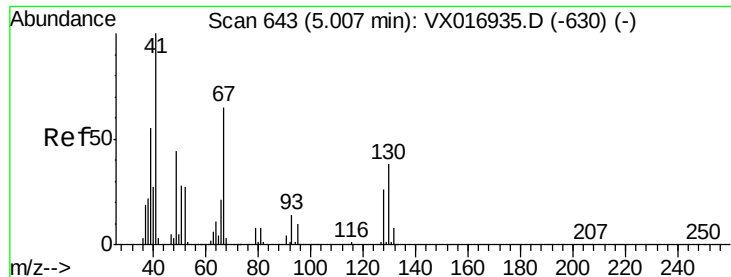
MMDadoda
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#40
Benzene
Concen: 97.076 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	861324		
77	24.2		19.1	28.7





#41

Methacrylonitrile

Concen: 109.780 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 217590

Ion Ratio Lower Upper

41 100

39 54.8 44.2 66.2

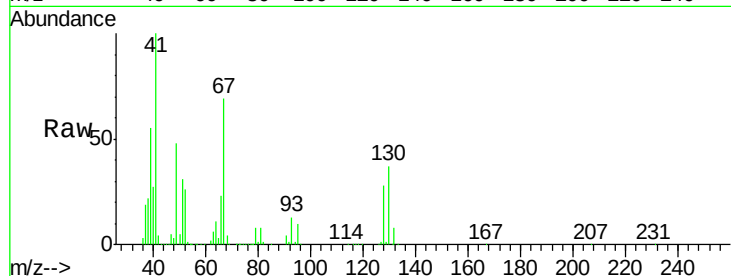
67 69.7 55.1 82.7

52 28.3 22.6 34.0

Manual Integrations
APPROVED

MMDadoda

6/24/2020 10:54:38 AM

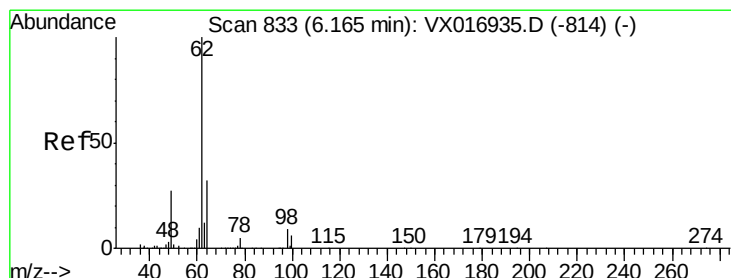
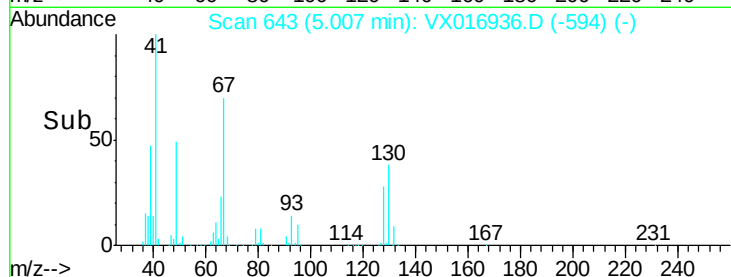
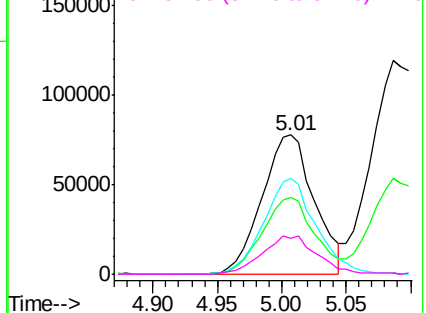


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 94.949 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX016936.D

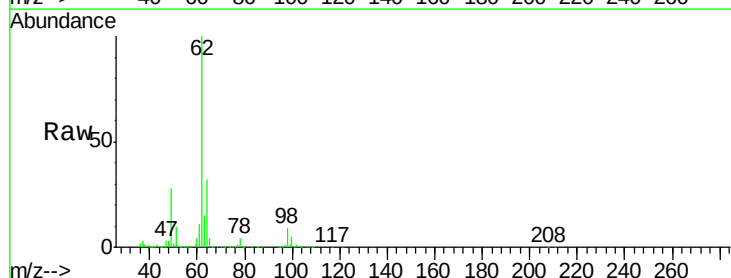
Acq: 23 Jun 2020 17:39

Tgt Ion: 62 Resp: 345792

Ion Ratio Lower Upper

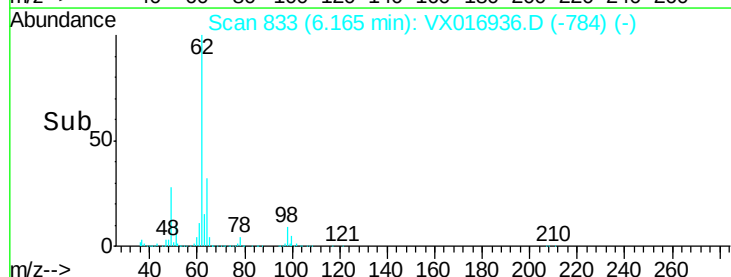
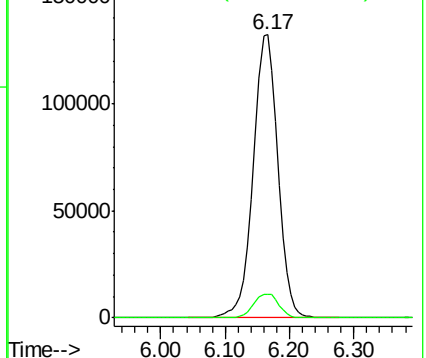
62 100

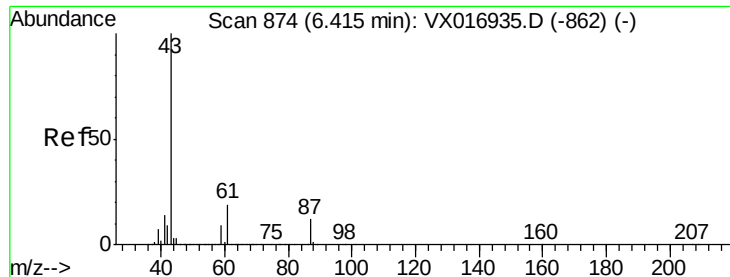
98 8.7 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 107.466 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

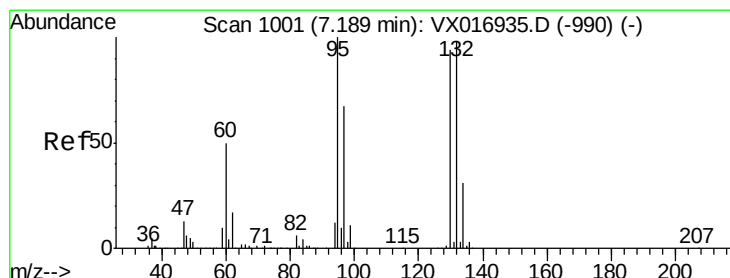
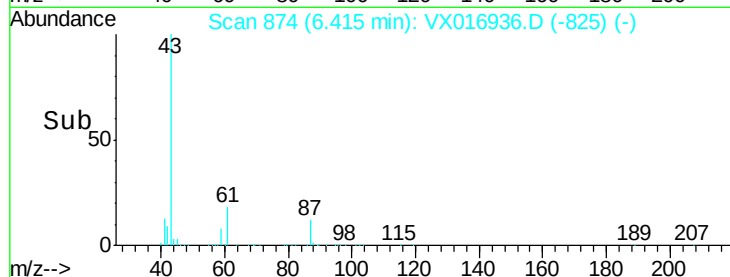
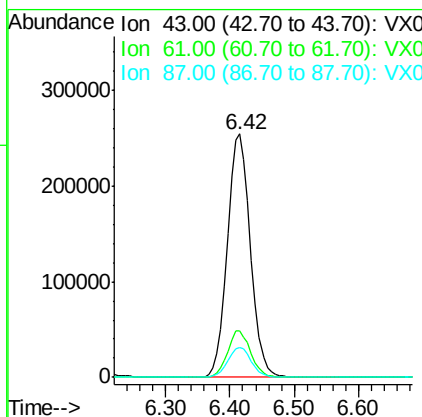
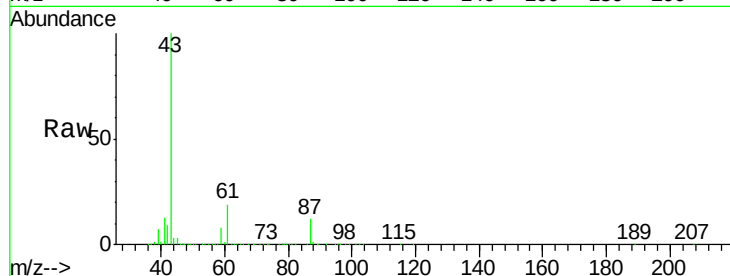
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	637091
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	12.7	10.2	15.2

Manual Integrations
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#44

Trichloroethene

Concen: 110.601 ug/l

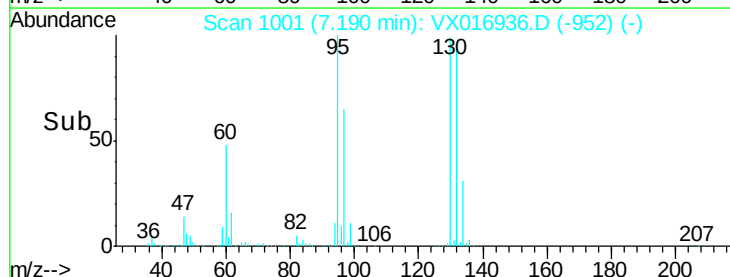
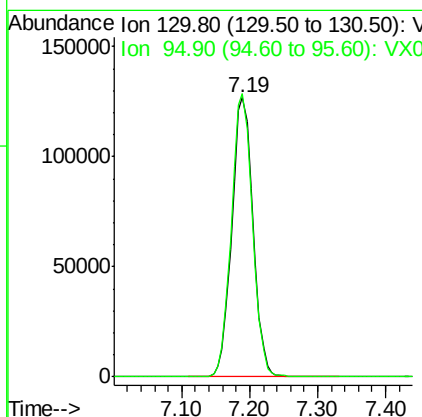
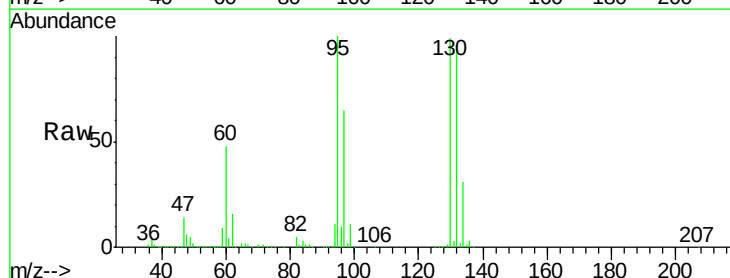
RT: 7.19 min Scan# 1001

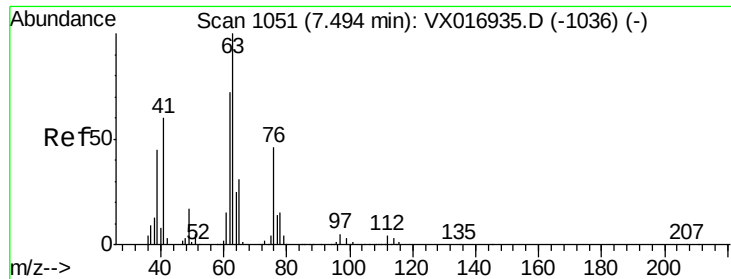
Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Tgt Ion:	130	Resp:	274680
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	213.2





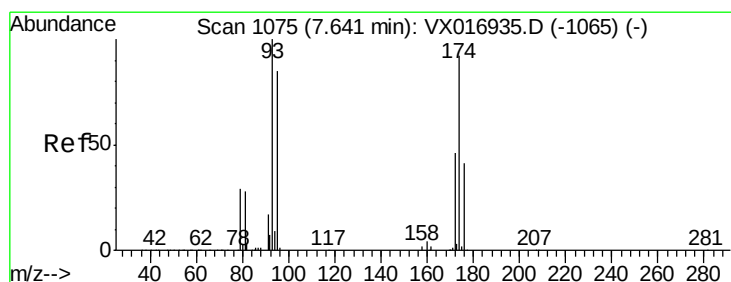
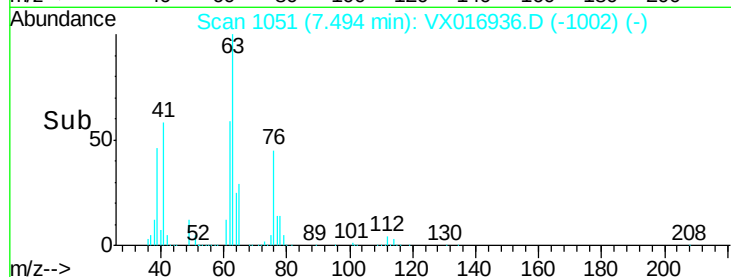
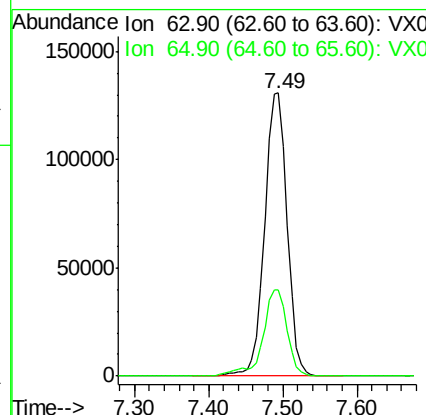
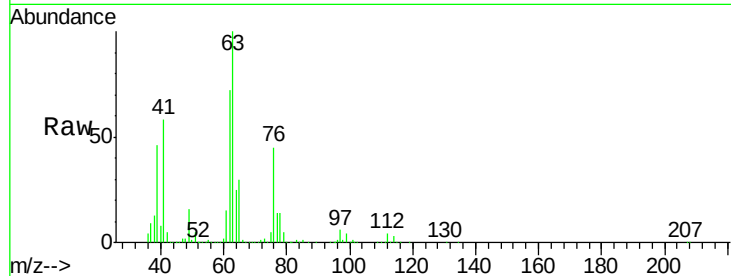
#45
 1,2-Dichloropropane
 Concen: 112.688 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.4	36.6

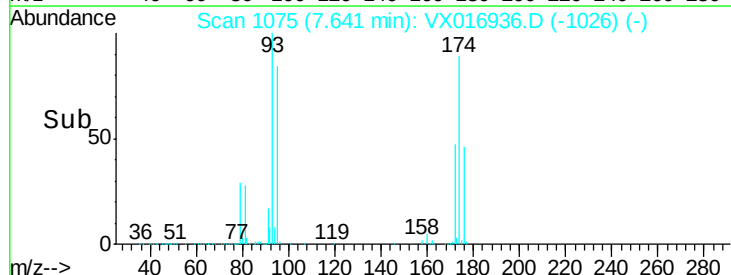
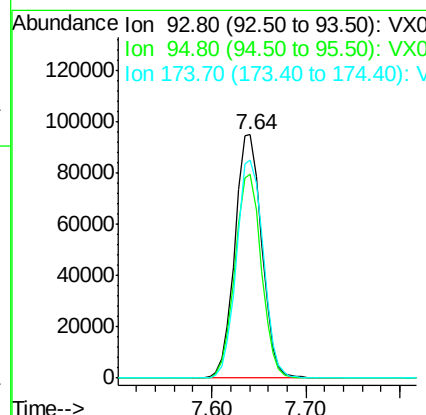
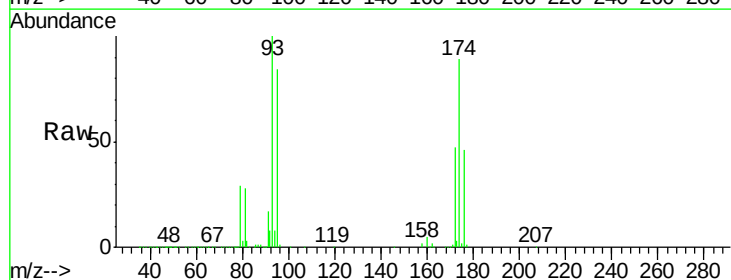
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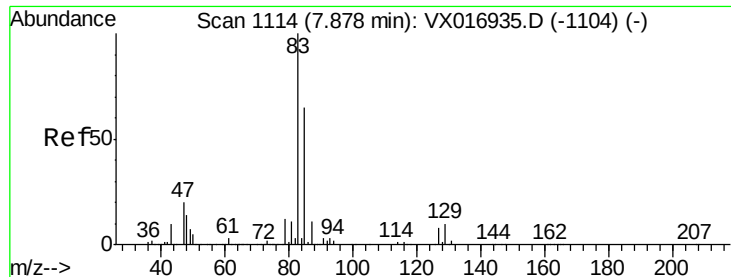
MMDadoda
 6/24/2020 10:54:38 AM



#46
 Dibromomethane
 Concen: 111.328 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.3	99.5
174	89.5	71.1	106.7





#47

Bromodichloromethane

Concen: 113.913 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

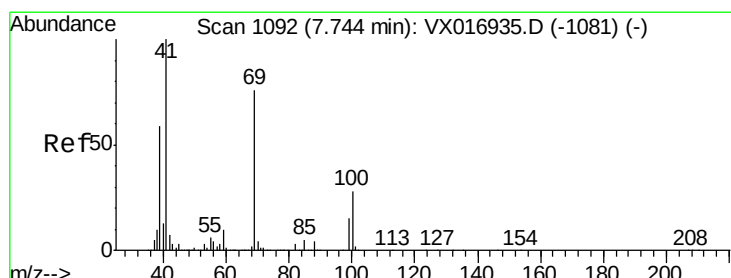
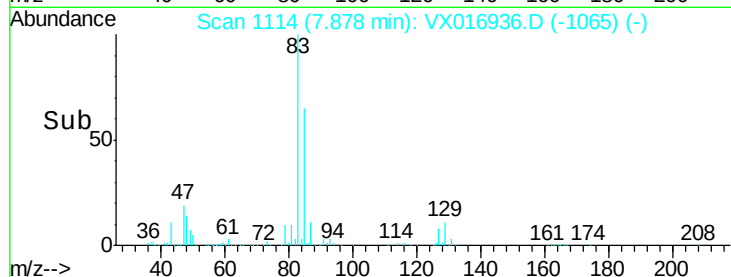
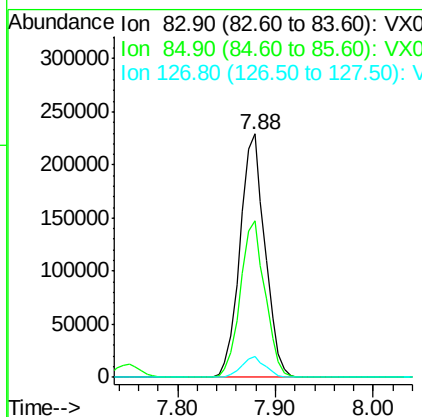
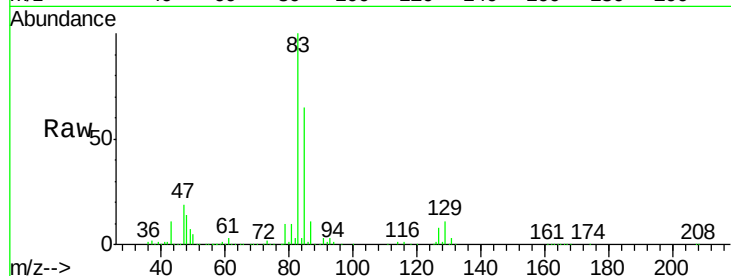
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	405913
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.4	78.6
127	8.4	6.7	10.1

Manual Integrations
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MMDadoda
6/24/2020 10:54:38 AM



#48

Methyl methacrylate

Concen: 122.407 ug/l

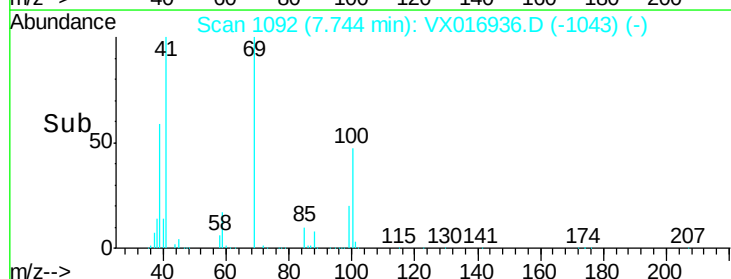
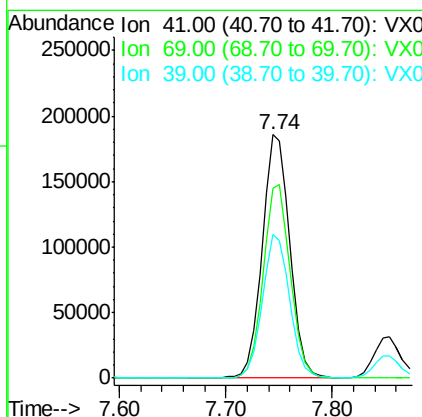
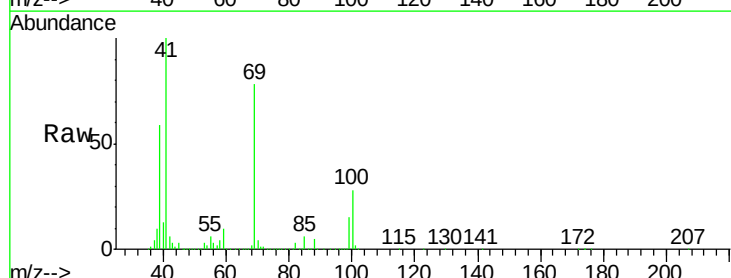
RT: 7.74 min Scan# 1092

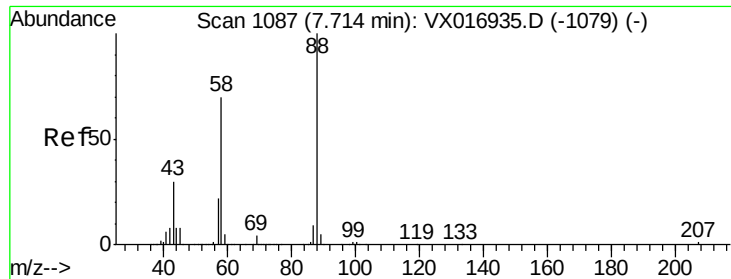
Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Tgt Ion:	41	Resp:	337425
Ion Ratio	Lower	Upper	
41	100		
69	78.1	62.5	93.7
39	58.1	49.1	73.7





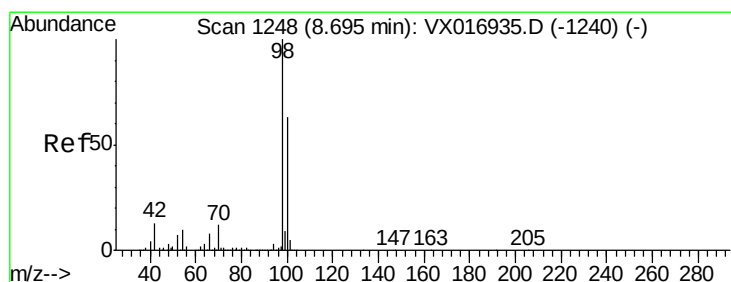
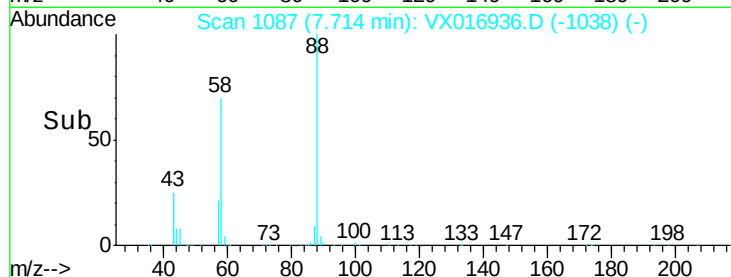
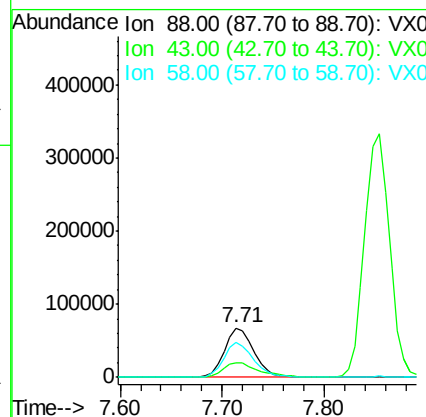
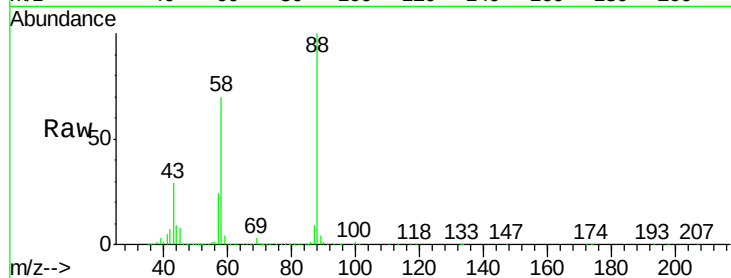
#49
1,4-Dioxane
Concen: 2267.448 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	134425		
43	35.1	27.3	40.9	
58	72.4	57.4	86.0	

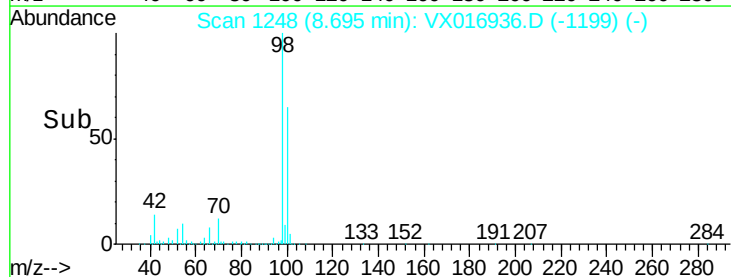
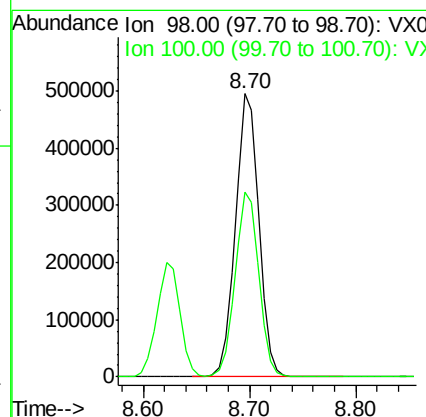
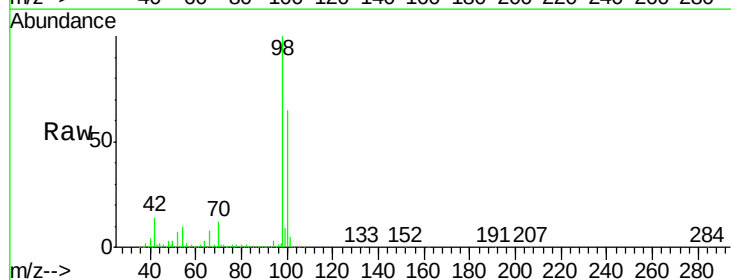
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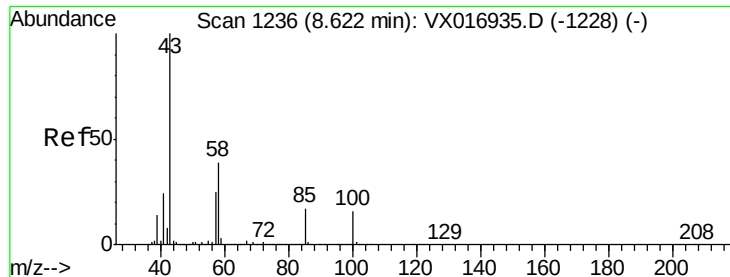
MMDadoda
6/24/2020 10:54:38 AM



#50
Toluene-d8
Concen: 97.489 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	764221		
100	65.8	52.3	78.5	





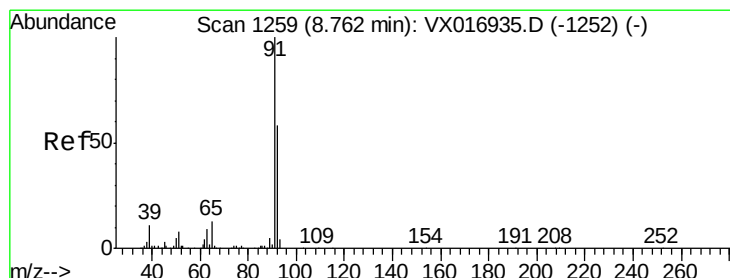
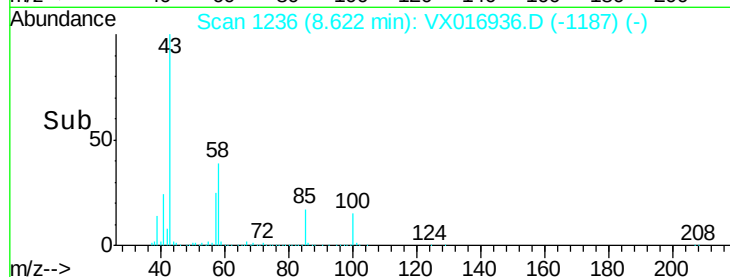
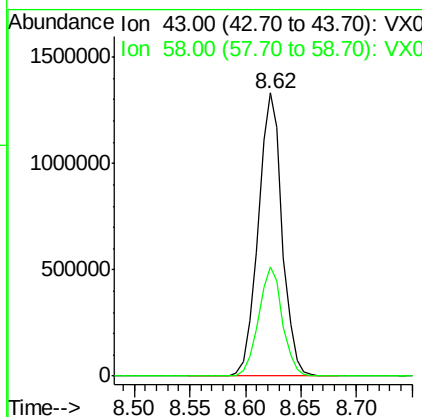
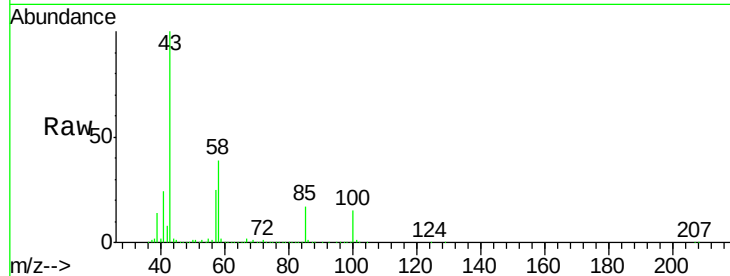
#51
4-Methyl-2-Pentanone
Concen: 577.873 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1995465
Ion Ratio Lower Upper
43 100
58 38.4 30.6 46.0

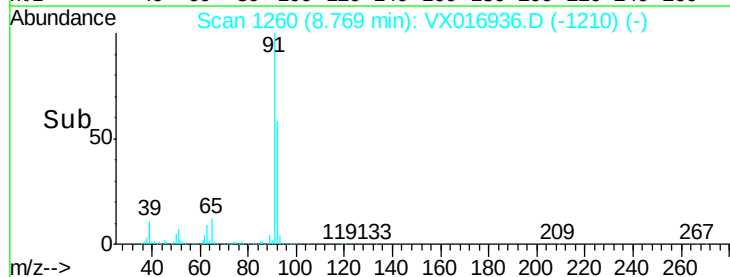
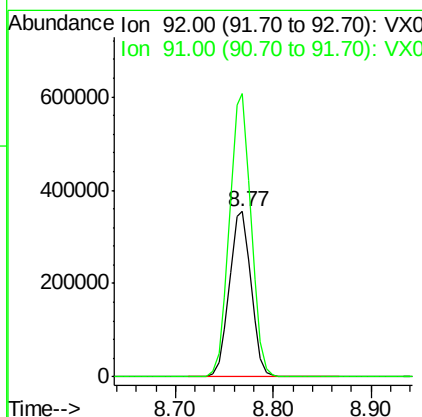
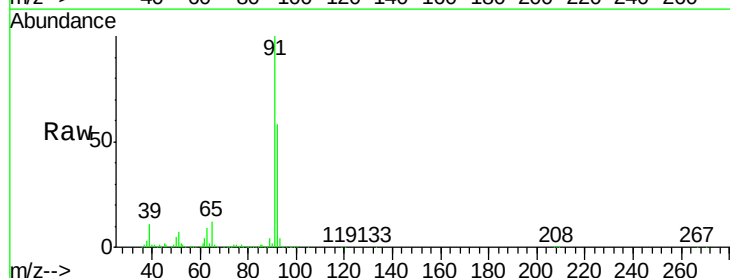
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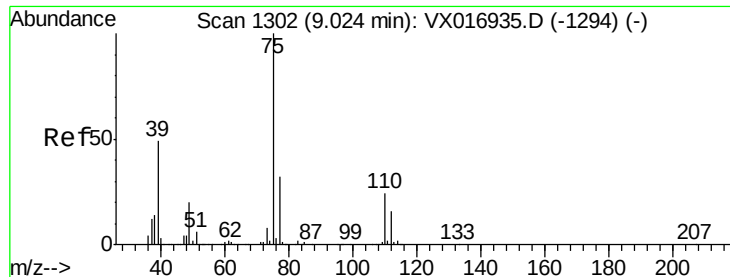
MMDadoda
6/24/2020 10:54:38 AM



#52
Toluene
Concen: 100.216 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion: 92 Resp: 546191
Ion Ratio Lower Upper
92 100
91 170.2 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 105.277 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 431799

Ion Ratio Lower Upper

75 100

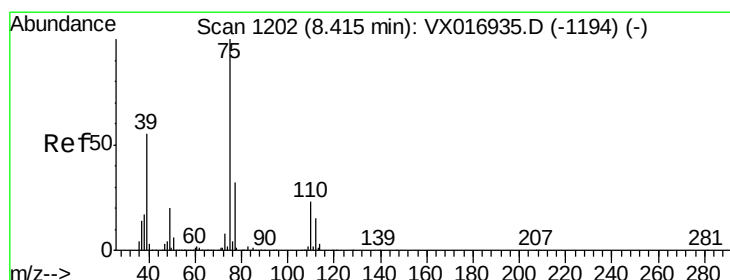
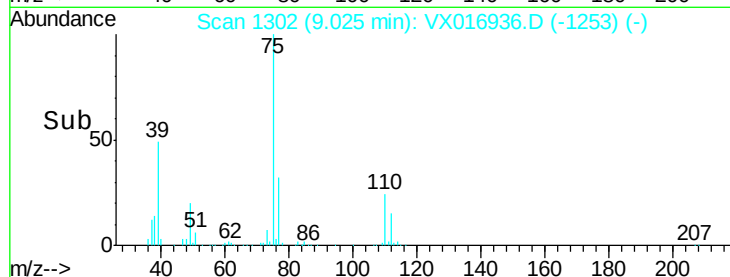
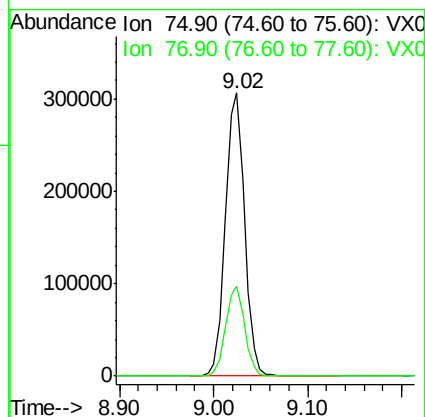
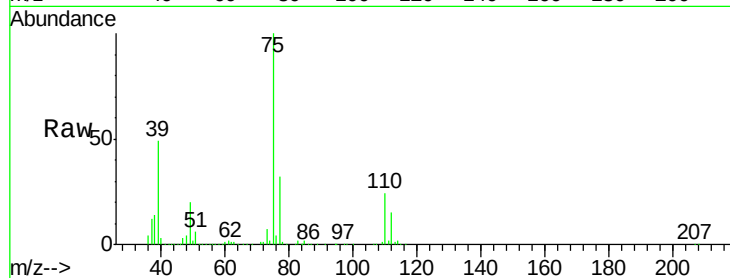
77 32.0 25.7 38.5

Manual Integrations

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6/24/2020 10:54:38 AM



#54

cis-1,3-Dichloropropene

Concen: 120.332 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

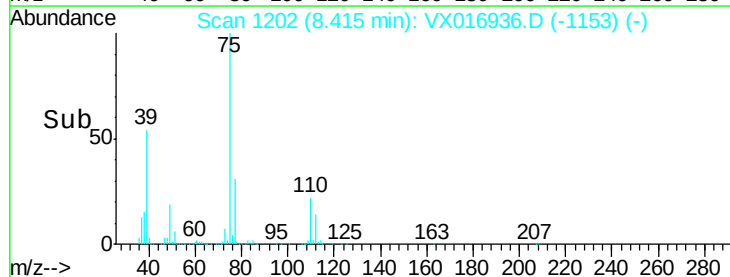
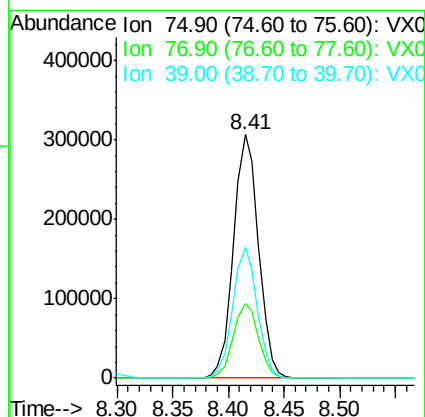
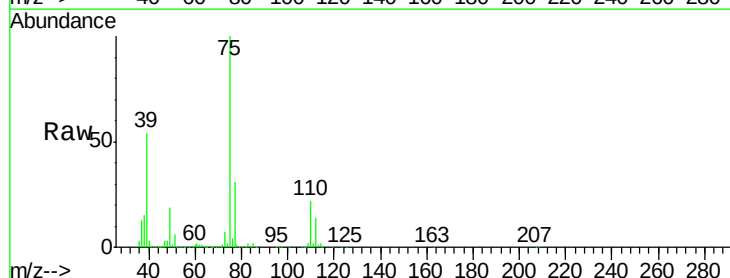
Tgt Ion: 75 Resp: 476251

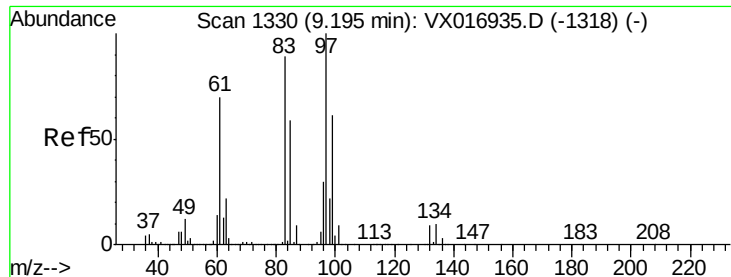
Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3

39 53.6 44.4 66.6





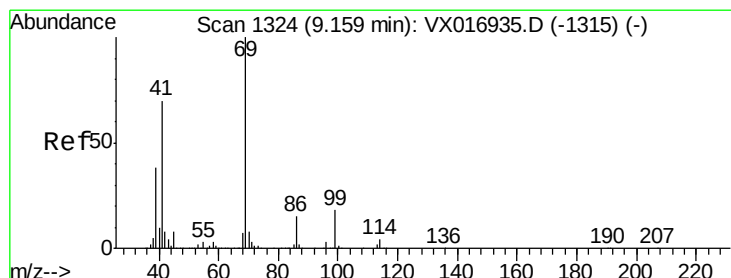
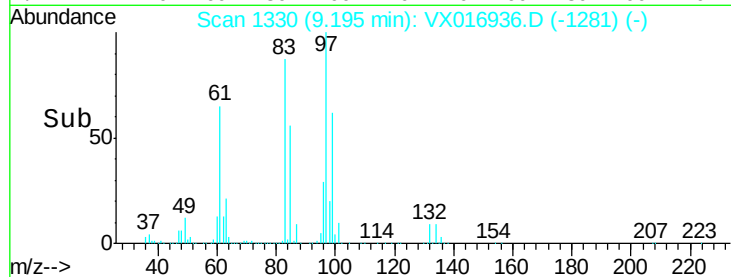
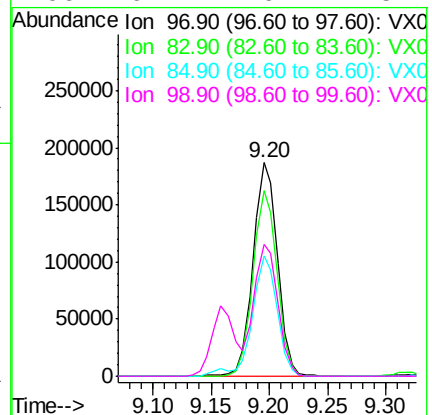
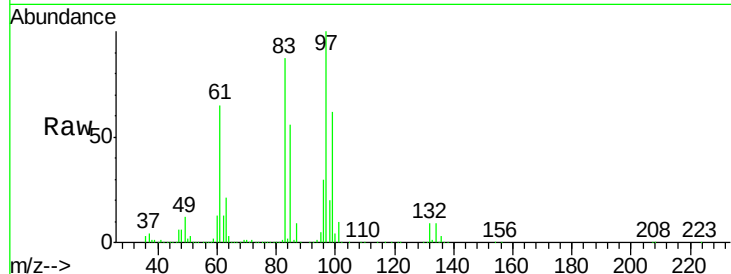
#55
 1,1,2-Trichloroethane
 Concen: 111.263 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	274643
Ion	Ratio	Lower	Upper
97	100		
83	87.1	71.3	106.9
85	56.3	47.4	71.2
99	61.7	49.1	73.7

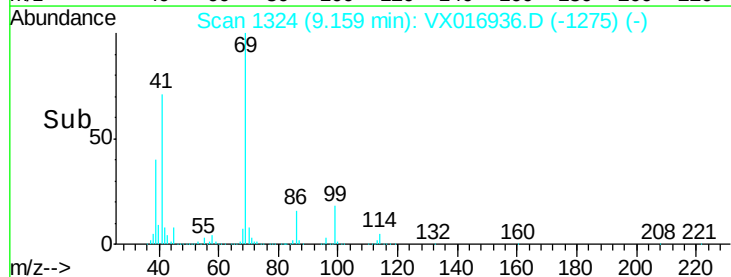
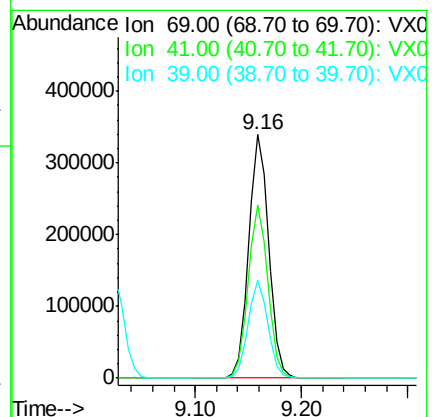
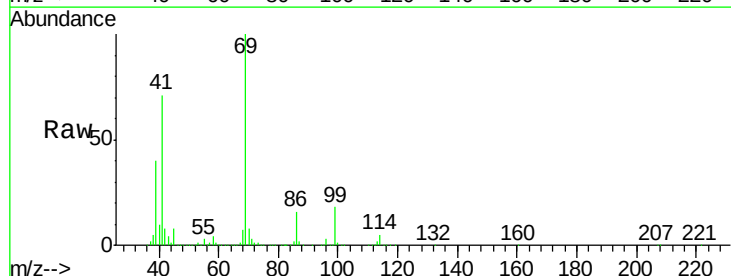
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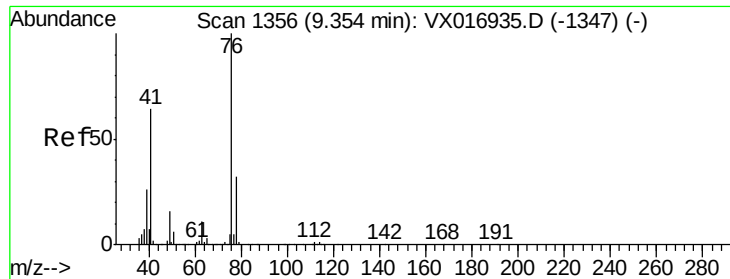
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#56
 Ethyl methacrylate
 Concen: 117.825 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Tgt Ion:	69	Resp:	450491
Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.6	84.8
39	39.8	31.8	47.8





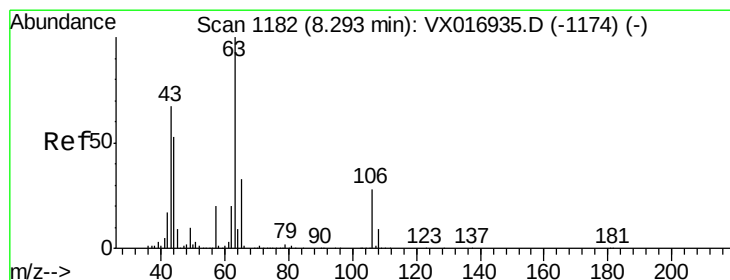
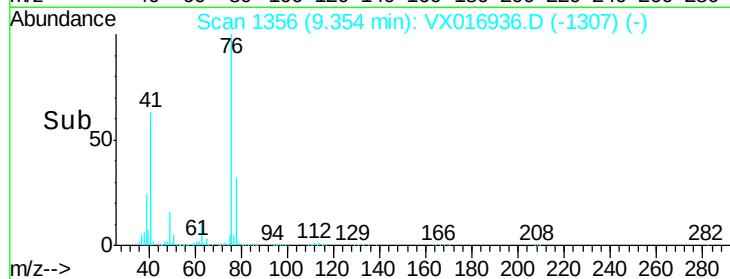
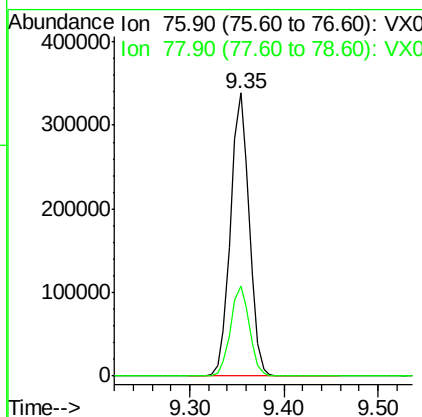
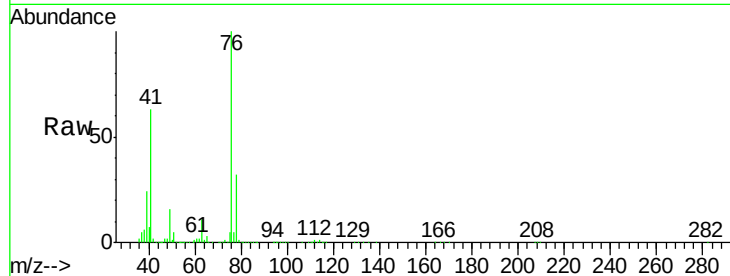
#57
 1,3-Dichloropropane
 Concen: 112.636 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

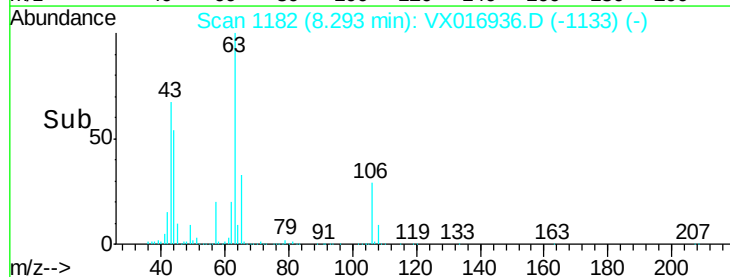
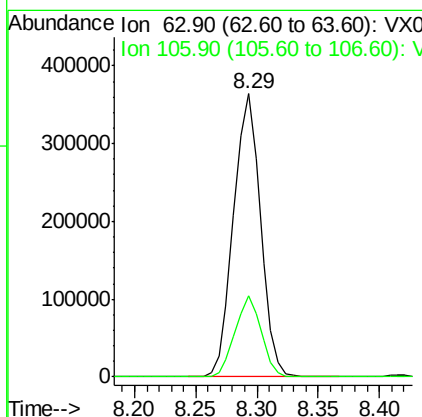
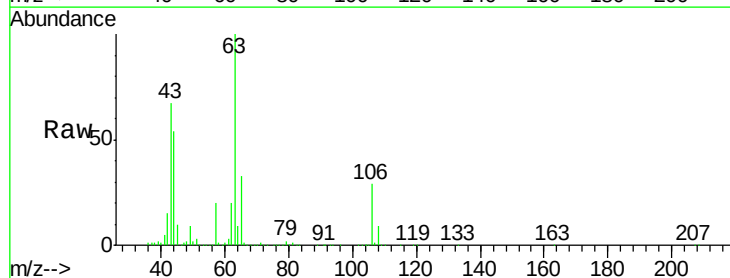
Manual Integrations
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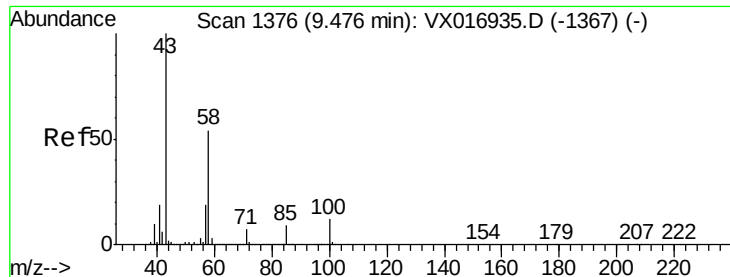
MMDadoda
 6/24/2020 10:54:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 353.616 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.4	33.6





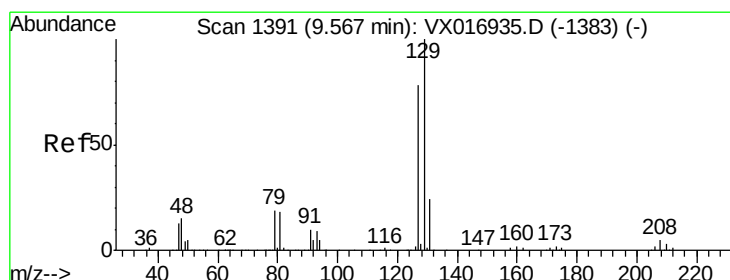
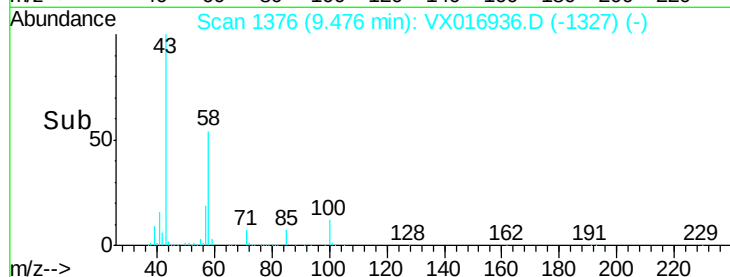
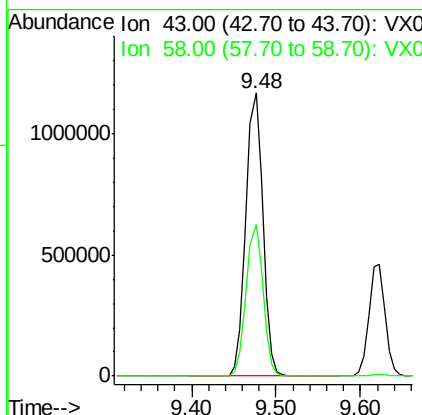
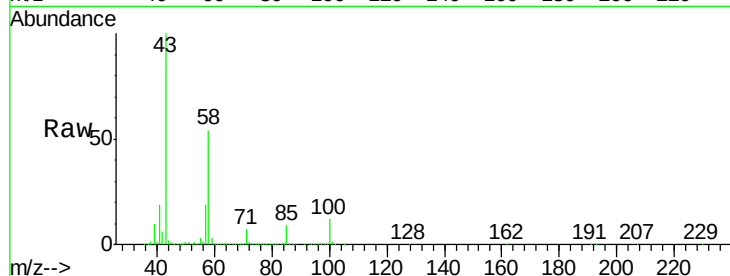
#59
2-Hexanone
Concen: 594.475 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1571923
Ion Ratio Lower Upper
43 100
58 53.2 26.8 80.4

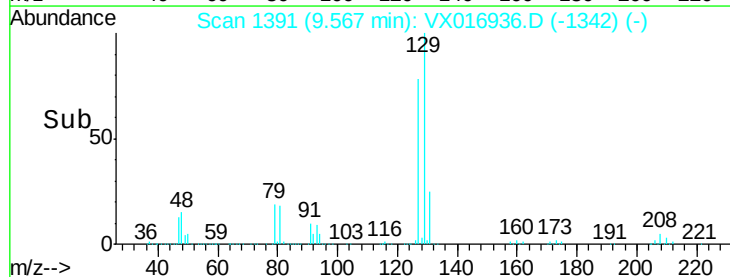
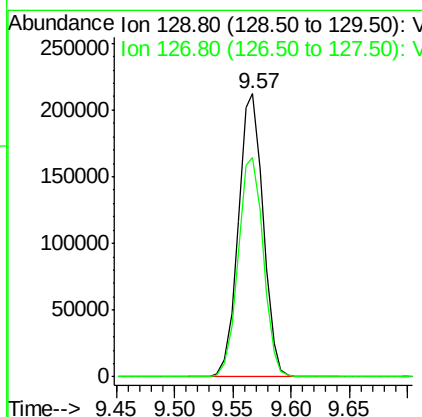
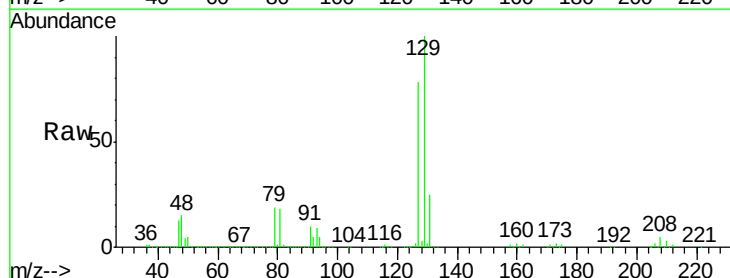
Manual Integrations
APPROVED

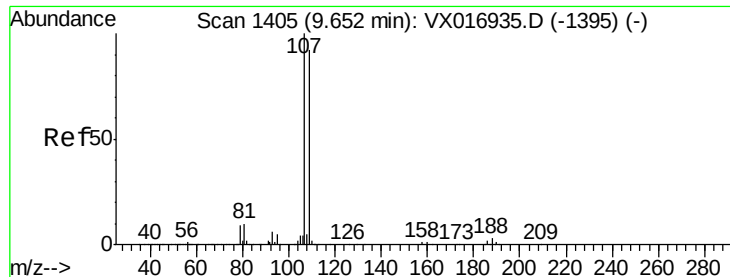
MMDadoda
6/24/2020 10:54:38 AM



#60
Dibromochloromethane
Concen: 116.716 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion: 129 Resp: 315157
Ion Ratio Lower Upper
129 100
127 78.6 39.2 117.6





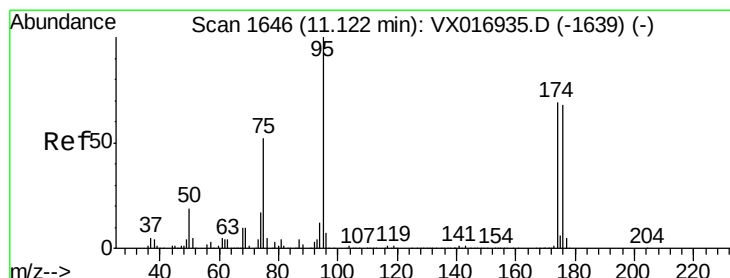
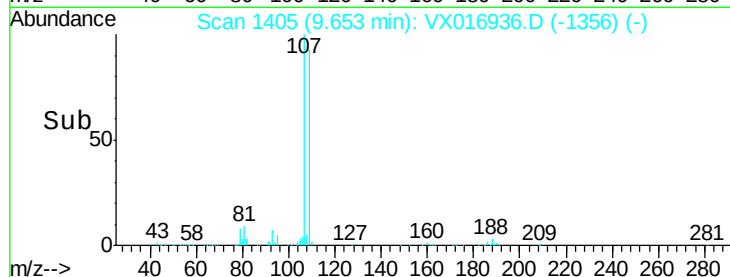
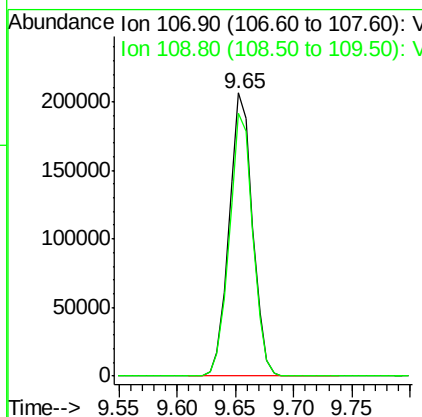
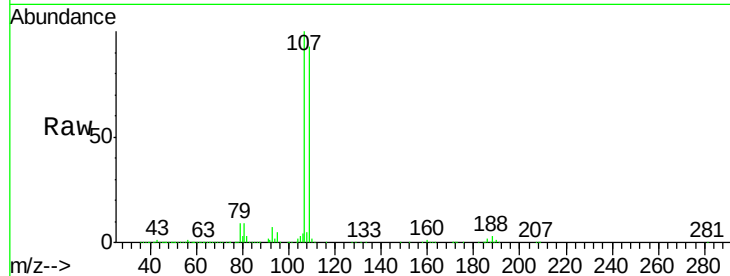
#61
 1,2-Dibromoethane
 Concen: 113.539 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	73.8	110.8

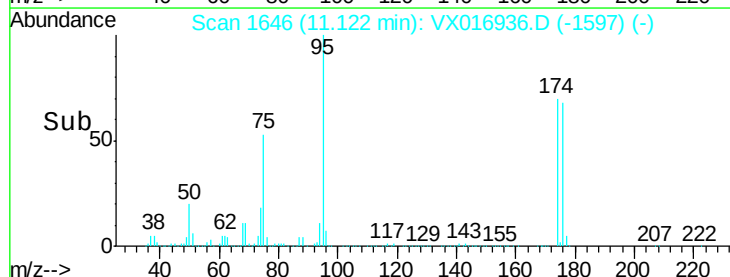
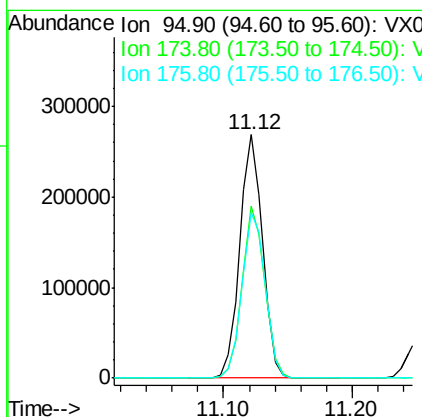
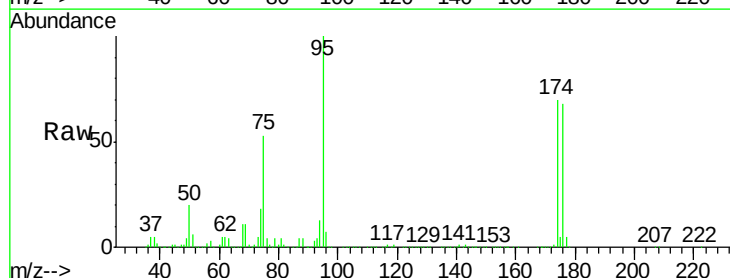
Manual Integrations
 APPROVED

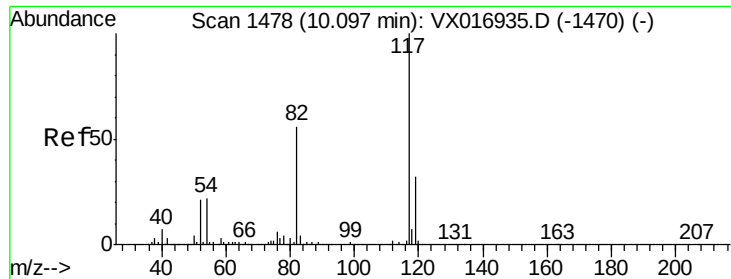
MMDadoda
 6/24/2020 10:54:38 AM



#62
 4-Bromofluorobenzene
 Concen: 104.029 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	138.0
176	69.1	0.0	135.4





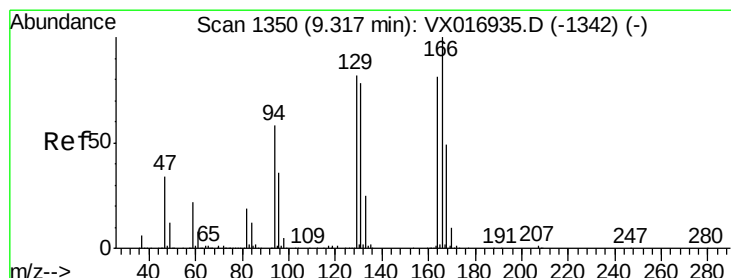
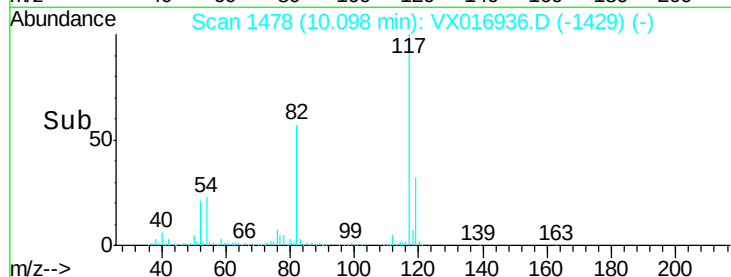
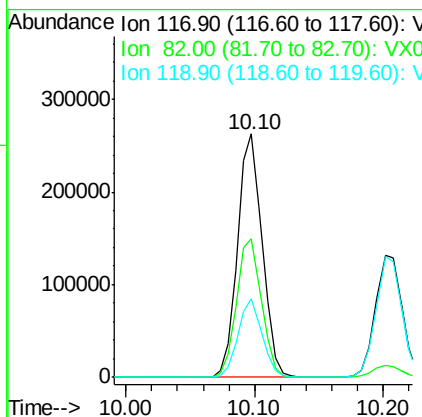
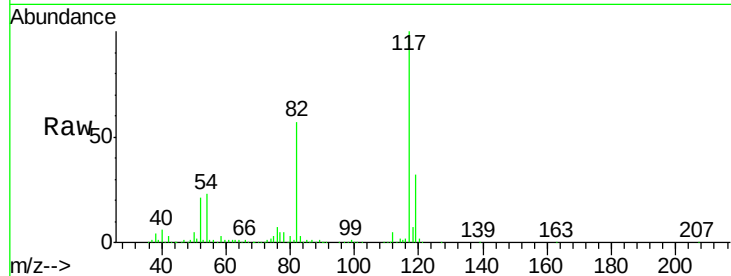
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	347522		
82	56.8	44.7	67.1	
119	32.4	25.4	38.0	

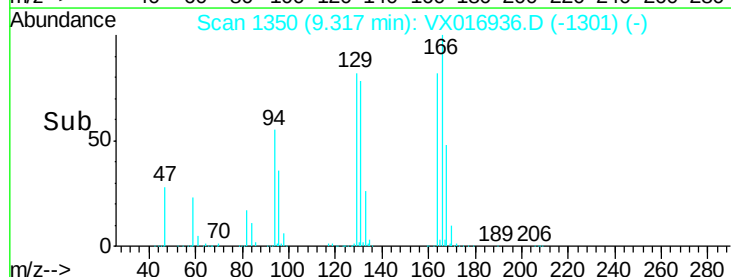
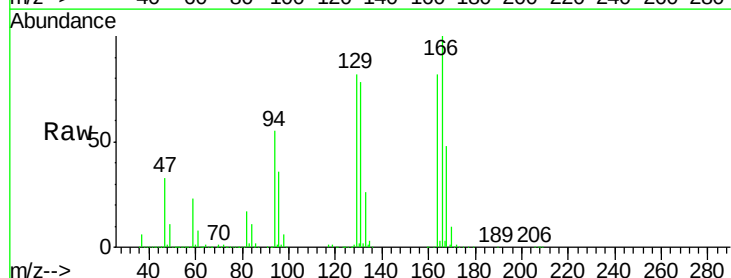
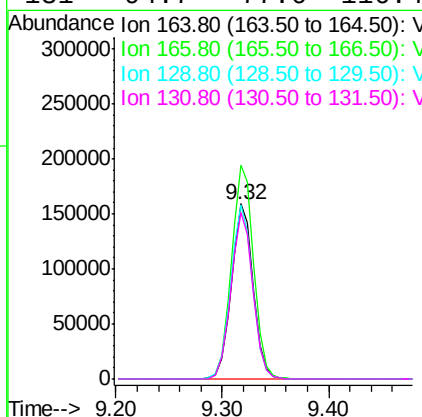
Manual Integrations
APPROVED

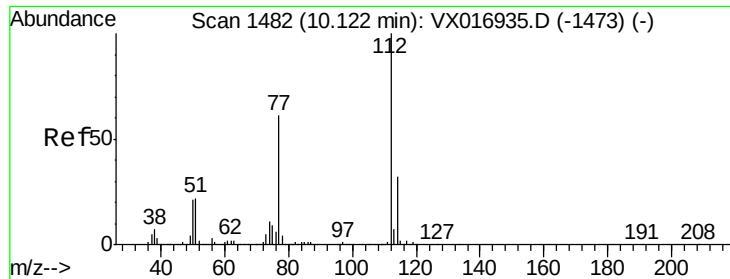
MMDadoda
6/24/2020 10:54:38 AM



#64
Tetrachloroethene
Concen: 95.780 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	225948		
166	121.9	99.3	148.9	
129	99.3	81.4	122.0	
131	94.7	77.6	116.4	





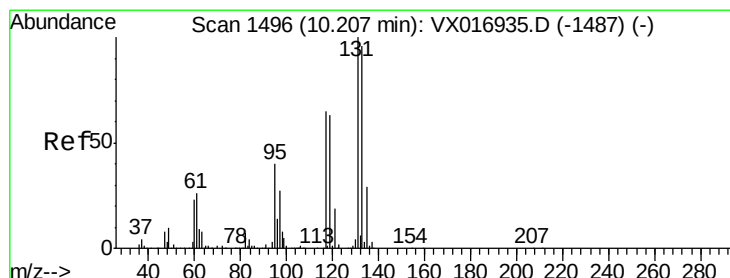
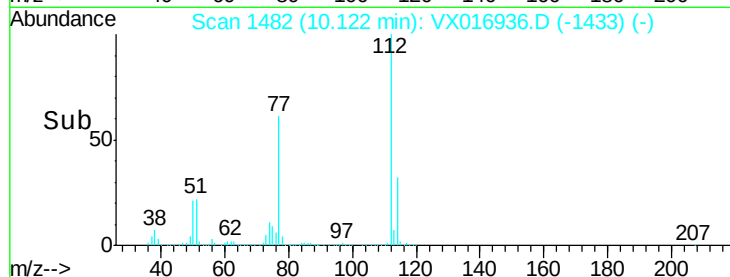
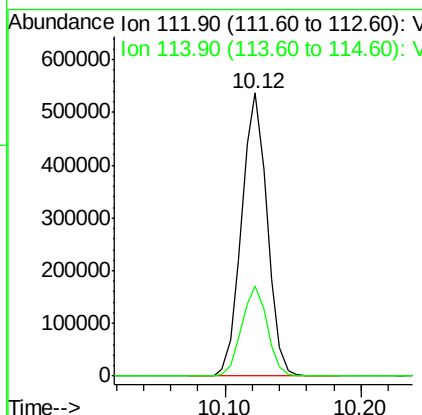
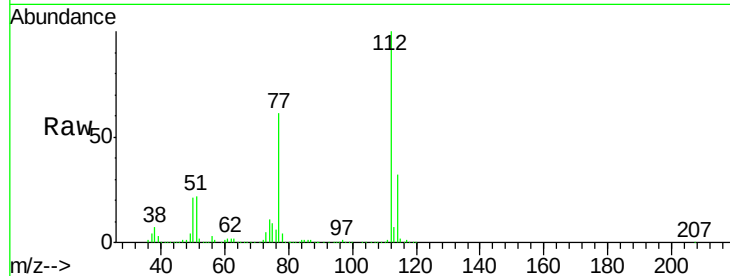
#65
Chlorobenzene
Concen: 99.174 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.5	38.3

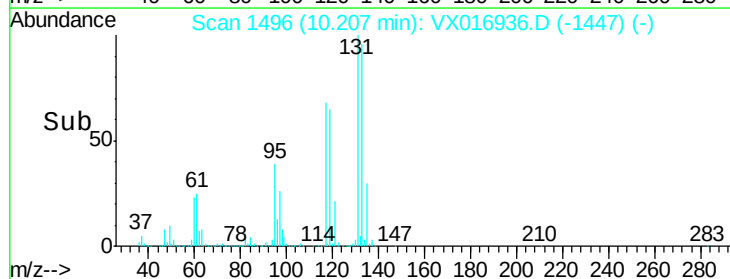
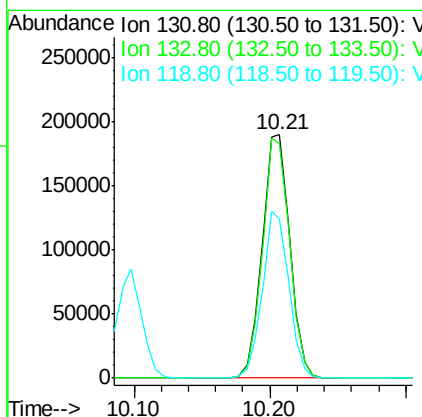
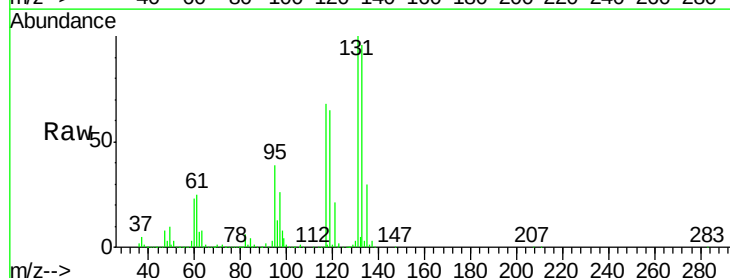
Manual Integrations
APPROVED

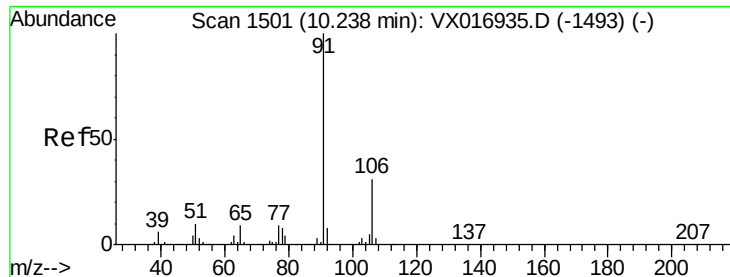
MMDadoda
6/24/2020 10:54:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 98.903 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.3	144.9
119	65.7	32.7	98.1





#67

Ethyl Benzene

Concen: 99.658 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1265110

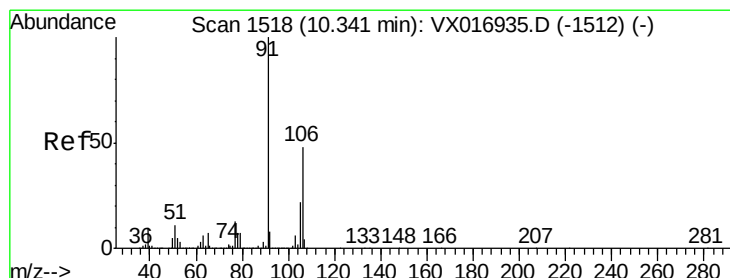
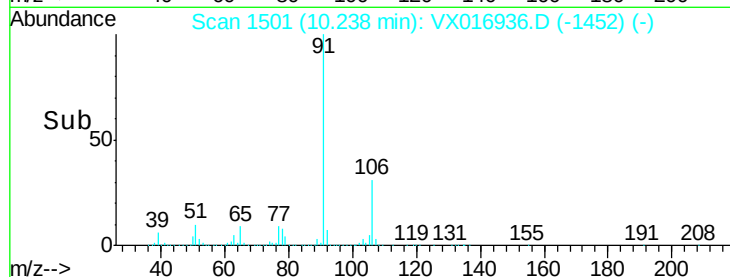
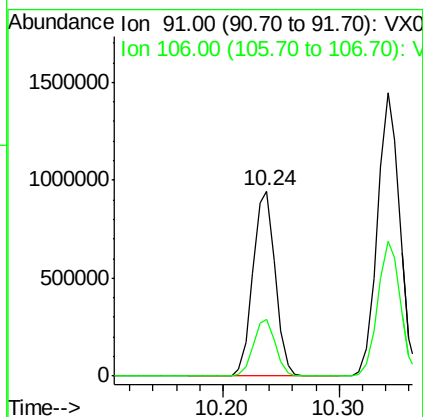
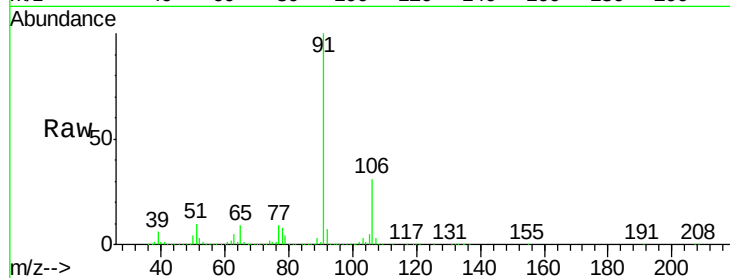
Ion Ratio Lower Upper

91 100

106 31.0 24.9 37.3

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:54:38 AM



#68

m/p-Xylenes

Concen: 199.487 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016936.D

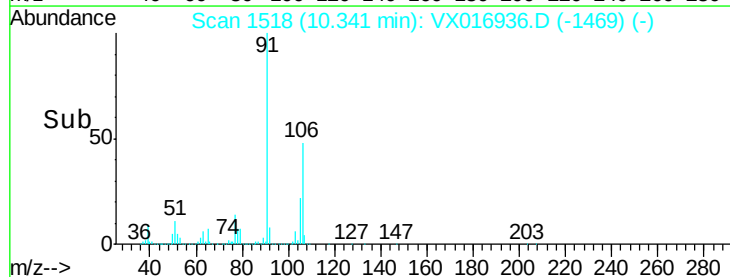
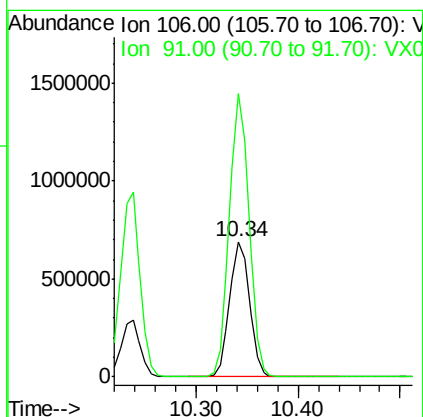
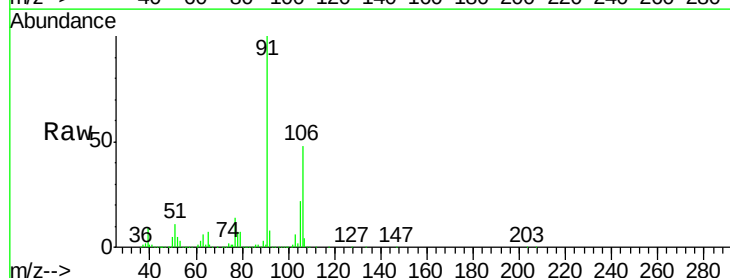
Acq: 23 Jun 2020 17:39

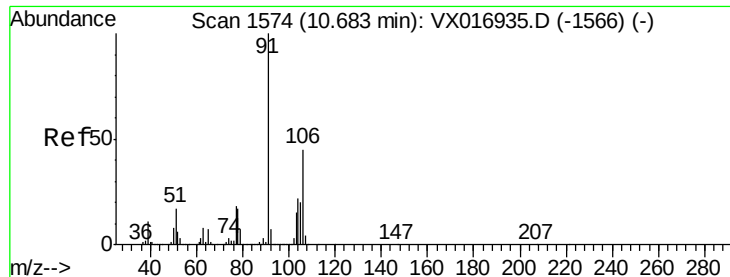
Tgt Ion: 106 Resp: 930030

Ion Ratio Lower Upper

106 100

91 207.0 166.2 249.2





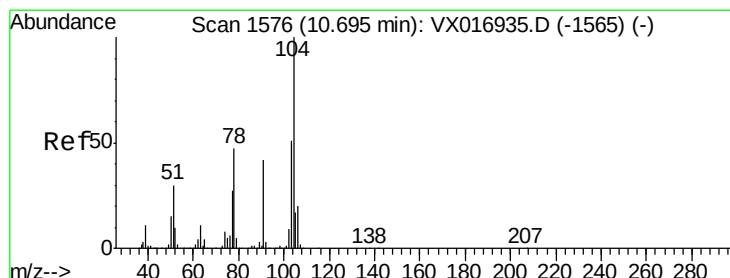
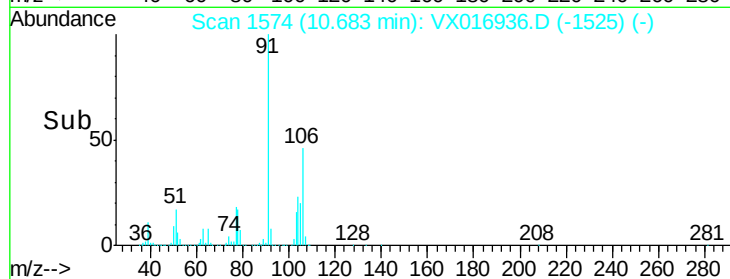
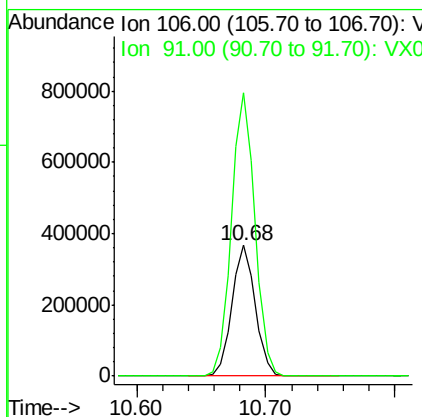
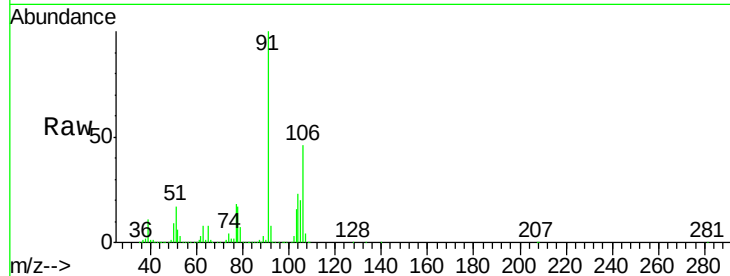
#69
o-Xylene
Concen: 104.161 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	218.5	109.8	463874	329.4	

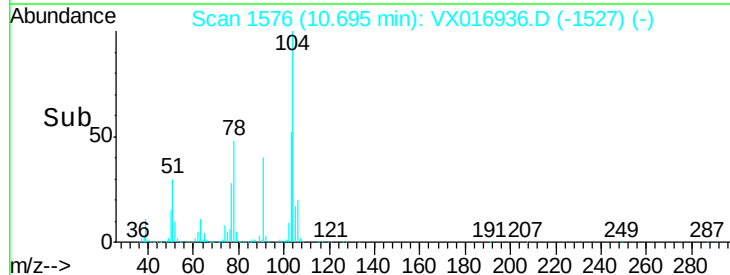
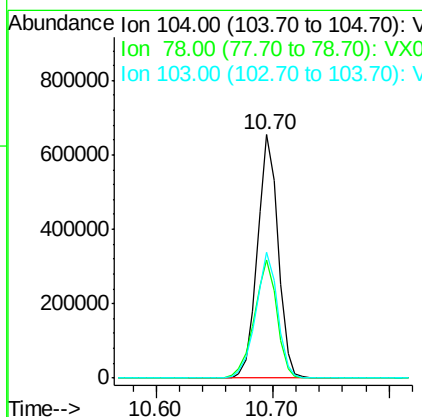
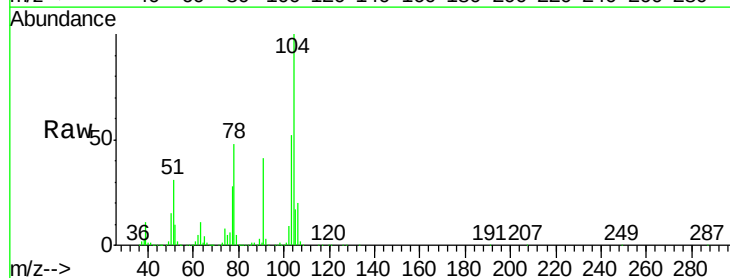
Manual Integrations
APPROVED

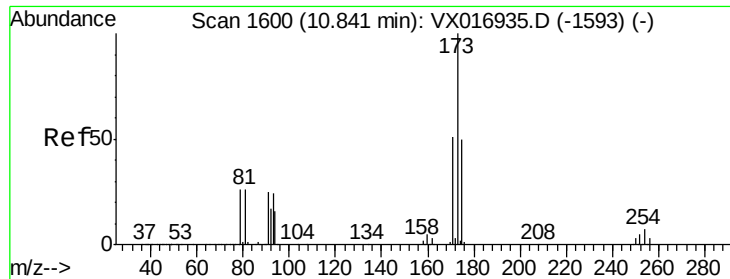
MMDadoda
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#70
Styrene
Concen: 106.869 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.0	41.6	809994	62.4	
103	54.7	42.7		64.1	





#71

Bromoform

Concen: 93.431 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 191026

Ion Ratio Lower Upper

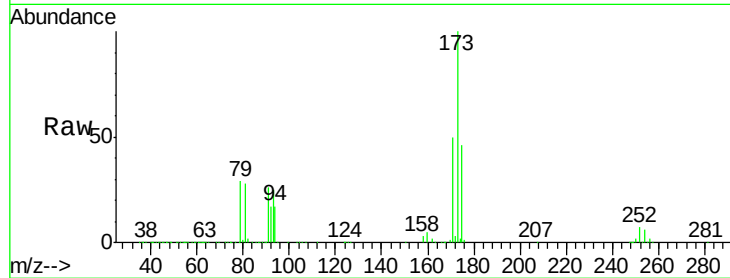
173 100

175 49.4 24.3 72.9

254 0.1 0.1 0.1#

Manual Integrations
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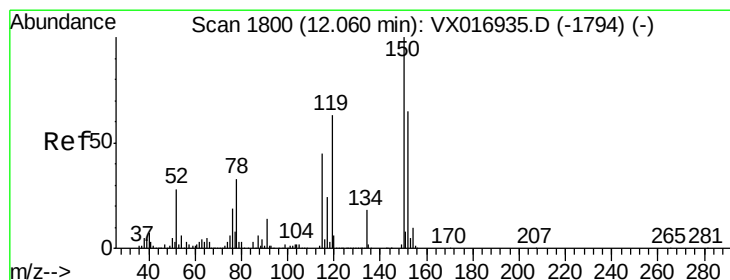
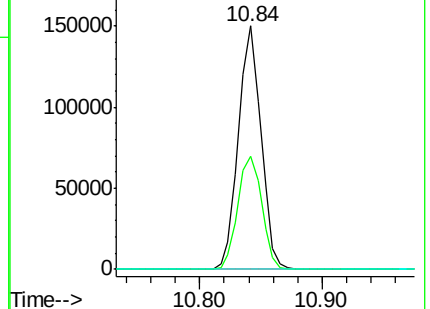
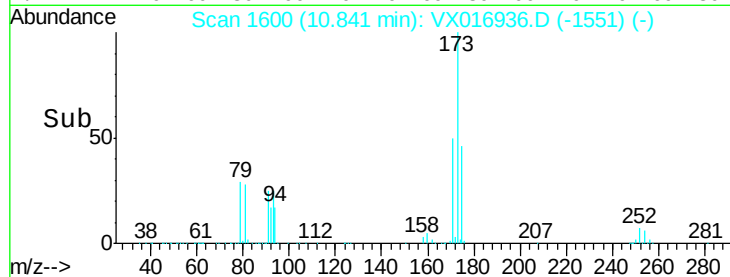
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

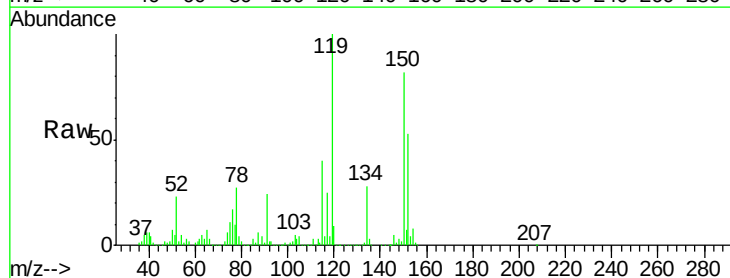
Tgt Ion:152 Resp: 153657

Ion Ratio Lower Upper

152 100

115 114.4 43.1 129.4

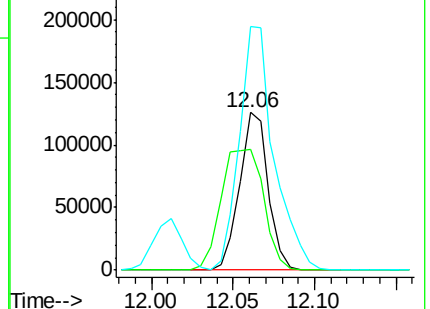
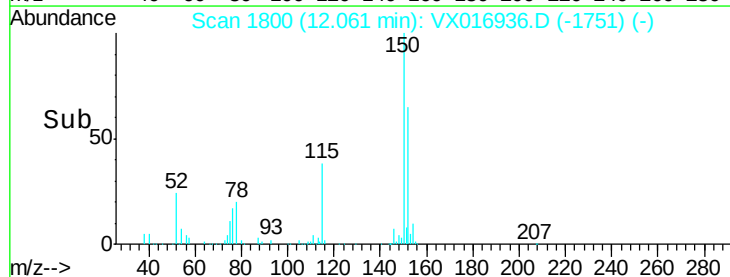
150 187.4 0.0 346.0

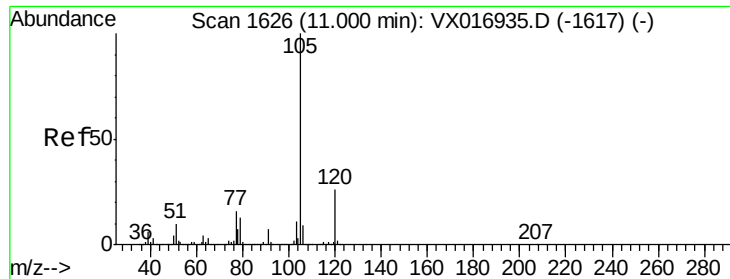


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 99.230 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1131384

Ion Ratio Lower Upper

105 100

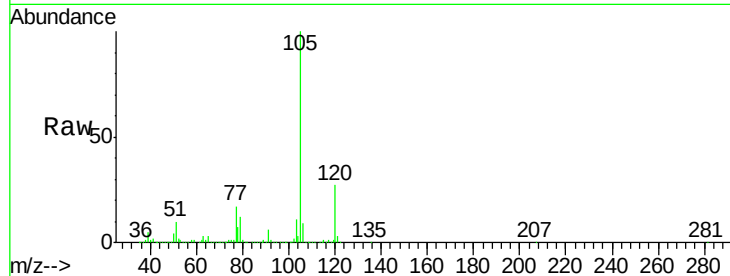
120 26.4 13.1 39.3

Manual Integrations

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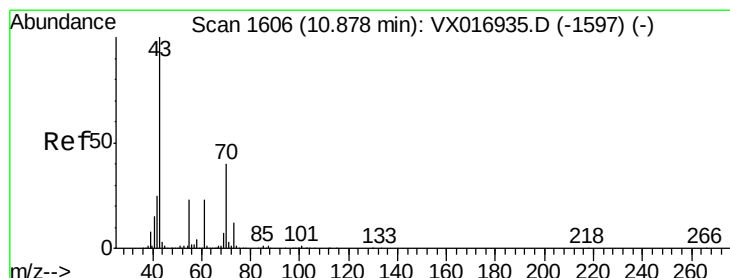
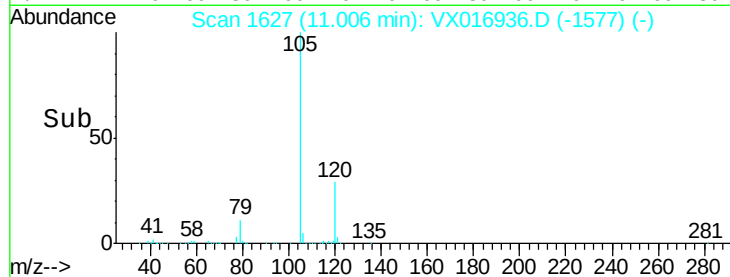
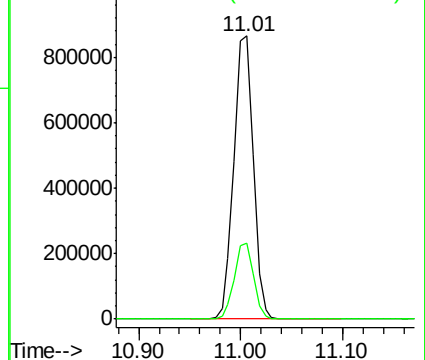
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 105.514 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Tgt Ion: 43 Resp: 602078

Ion Ratio Lower Upper

43 100

70 40.3 32.6 49.0

55 22.6 18.8 28.2

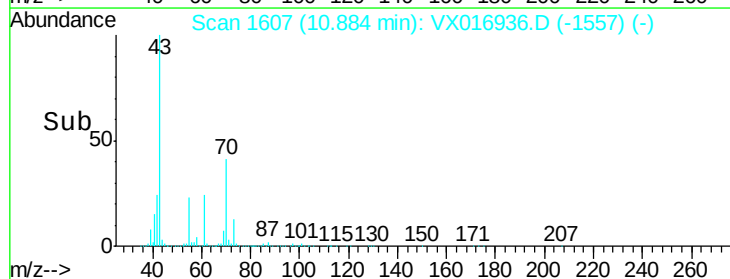
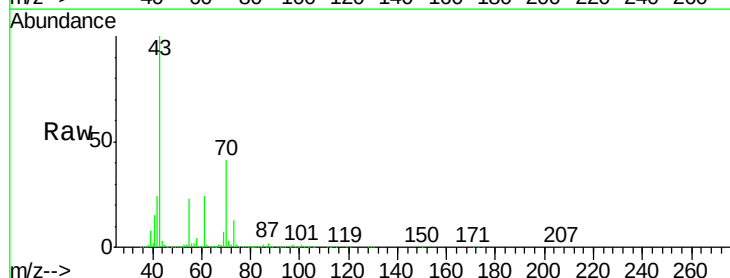
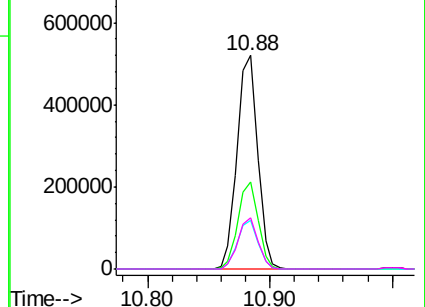
61 23.5 18.9 28.3

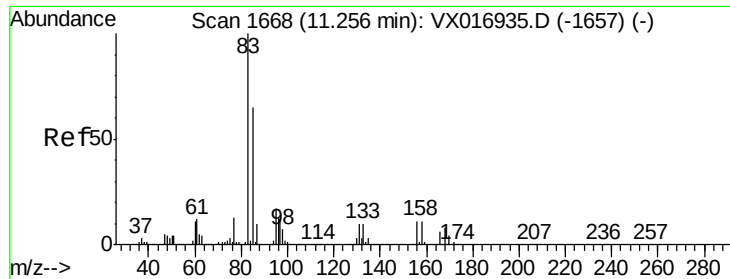
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 93.145 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 355369

Ion Ratio Lower Upper

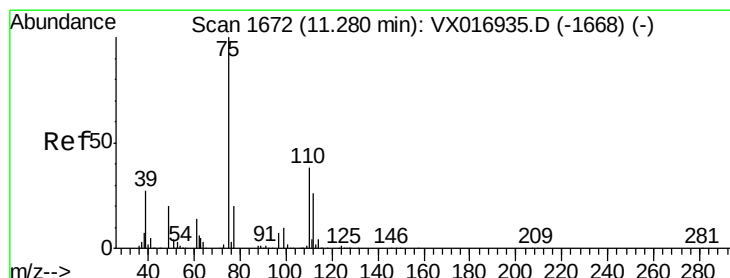
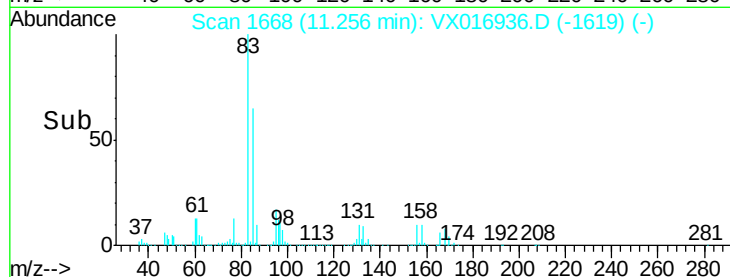
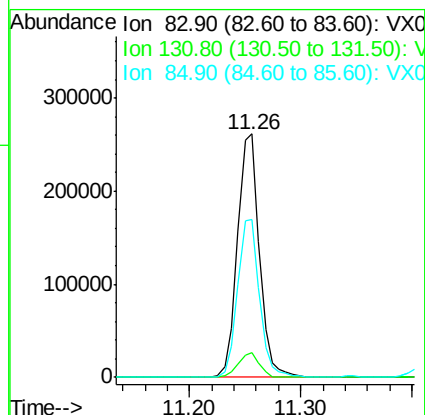
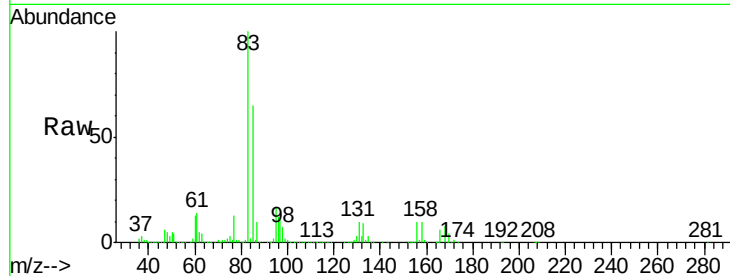
83 100

131 9.6 5.1 15.2

85 65.1 32.3 96.8

Manual Integrations
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6/24/2020 10:54:38 AM



#76

1,2,3-Trichloropropane

Concen: 78.832 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016936.D

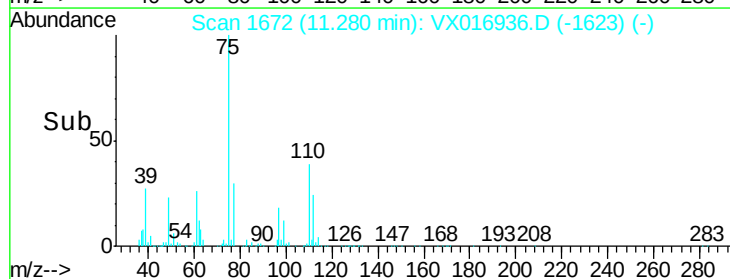
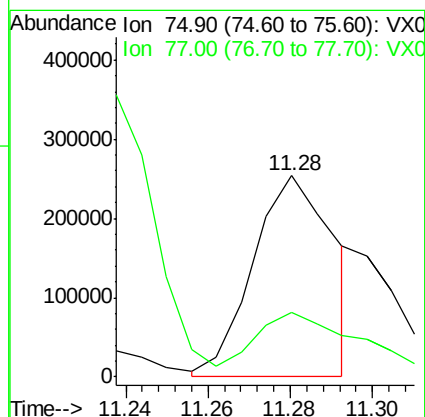
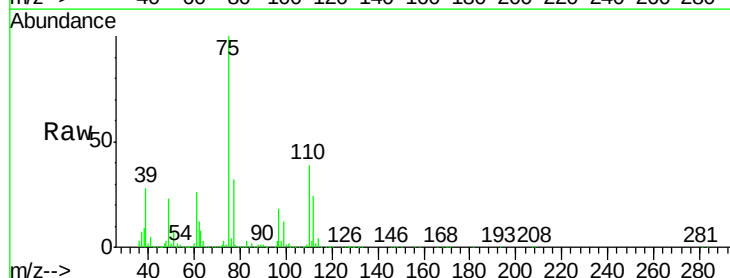
Acq: 23 Jun 2020 17:39

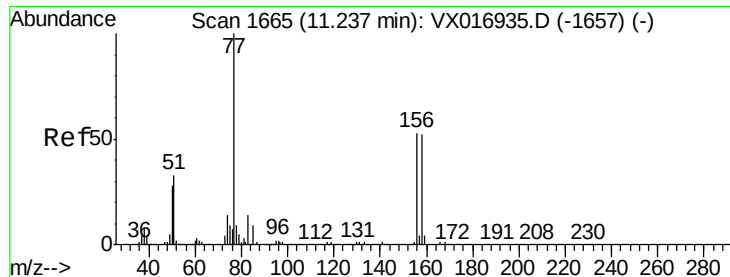
Tgt Ion: 75 Resp: 346792

Ion Ratio Lower Upper

75 100

77 42.2 20.1 60.3





#77

Bromobenzene

Concen: 93.487 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

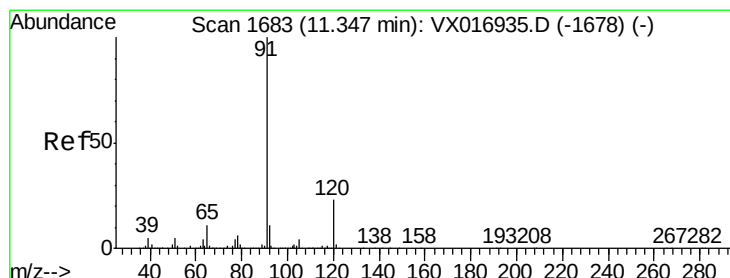
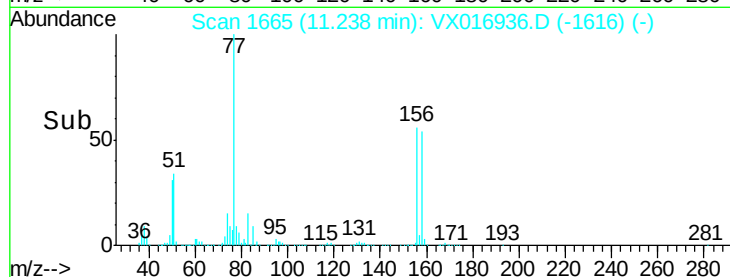
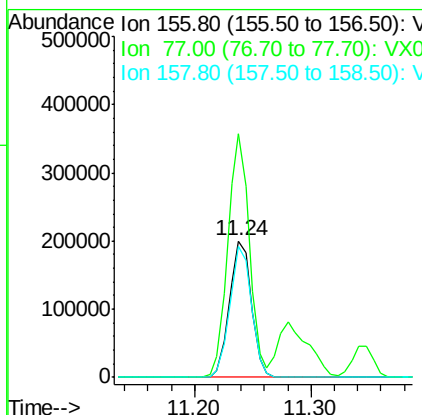
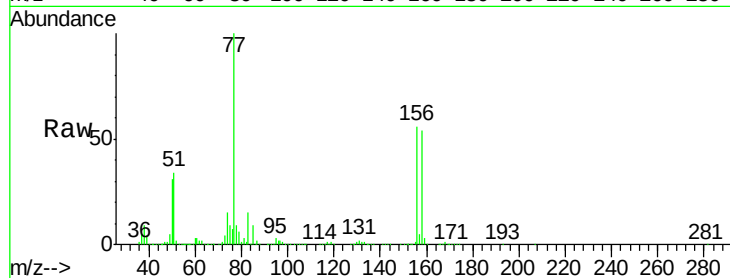
ClientSampleId :

VSTDICC100

Tot Ion:	156	Resp:	261702
Ion Ratio	Lower	Upper	
156	100		
77	175.4	91.0	273.1
158	95.0	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 106.464 ug/l

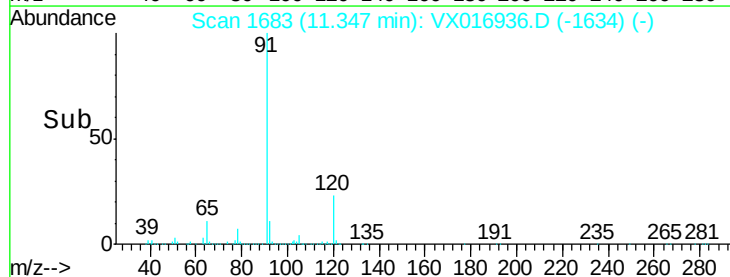
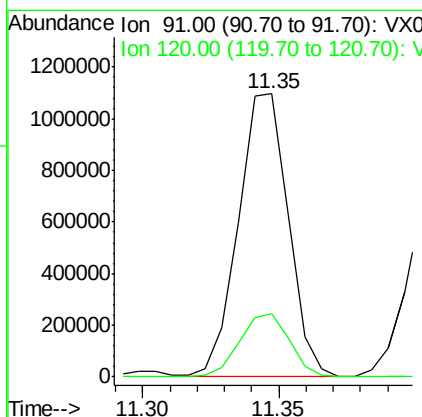
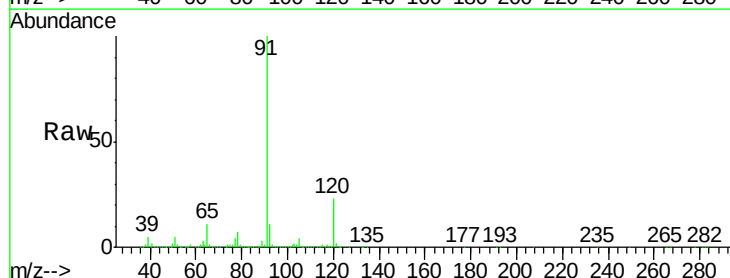
RT: 11.35 min Scan# 1683

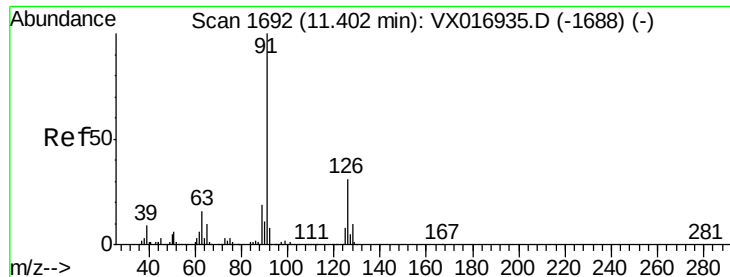
Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Tgt Ion:	91	Resp:	1383878
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.6





#79

2-Chlorotoluene

Concen: 98.807 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 813213

Ion Ratio Lower Upper

91 100

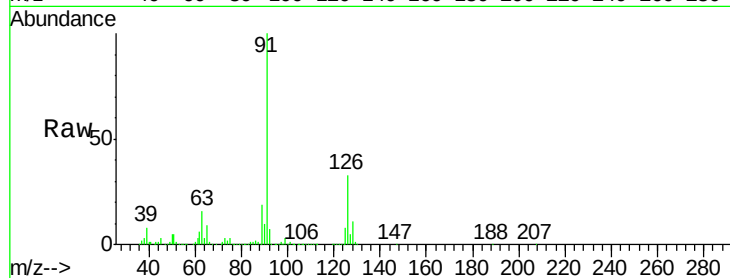
126 32.2 16.2 48.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX016936.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX016936.D (-1688) (-)

1200000

1000000

800000

600000

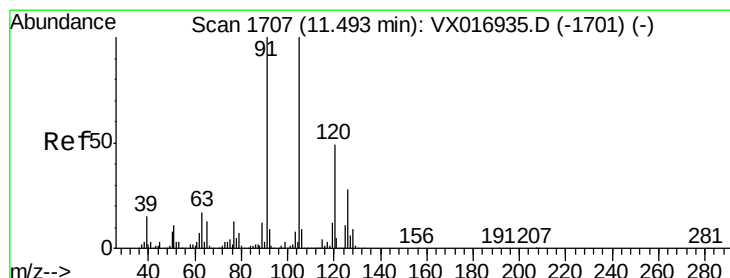
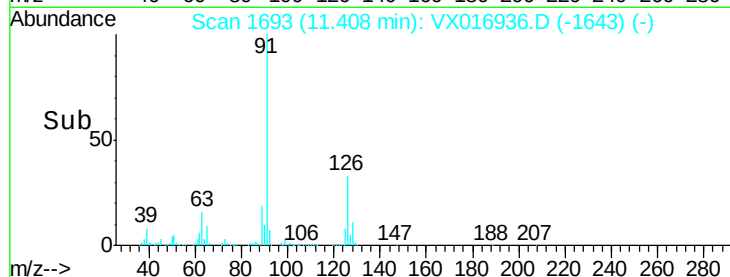
400000

200000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 105.644 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016936.D

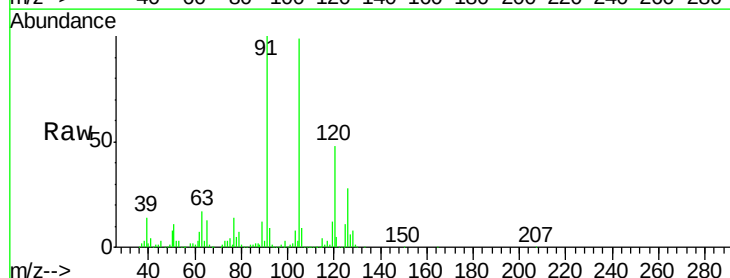
Acq: 23 Jun 2020 17:39

Tgt Ion: 105 Resp: 1014454

Ion Ratio Lower Upper

105 100

120 48.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VX016936.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX016936.D (-1701) (-)

800000

600000

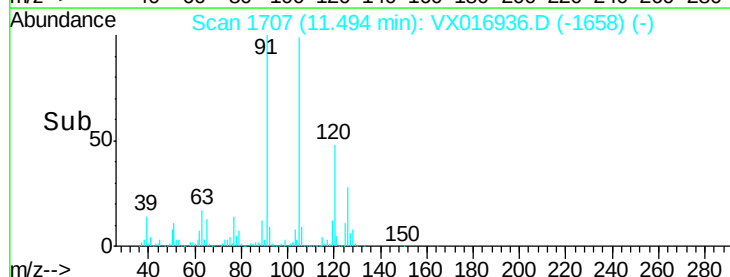
400000

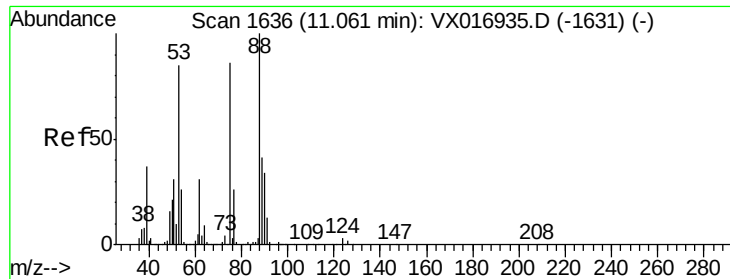
200000

0

11.45 11.50 11.55

Time-->





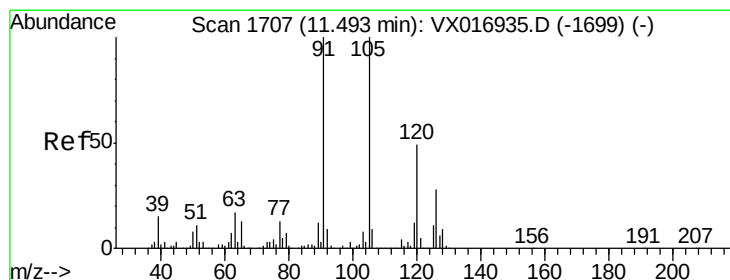
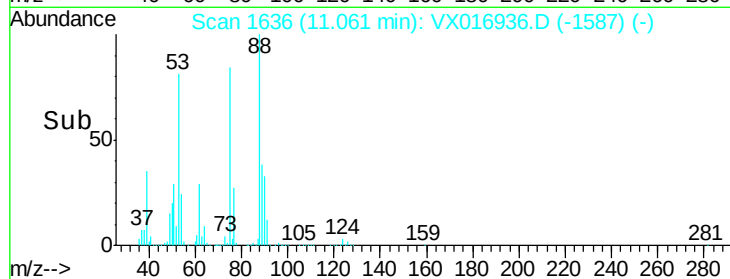
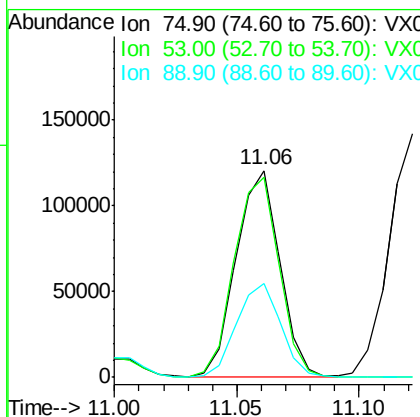
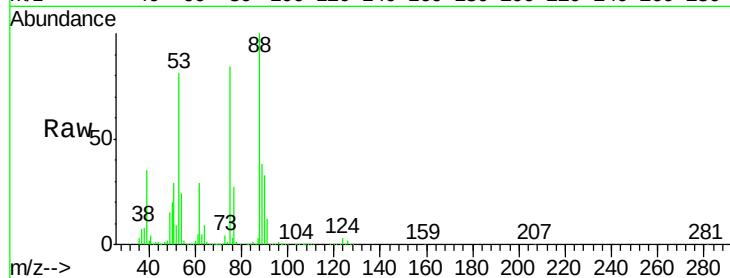
#81
trans-1,4-Dichloro-2-butene
Concen: 101.060 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.2	78.9	118.3
89	46.3	37.0	55.6

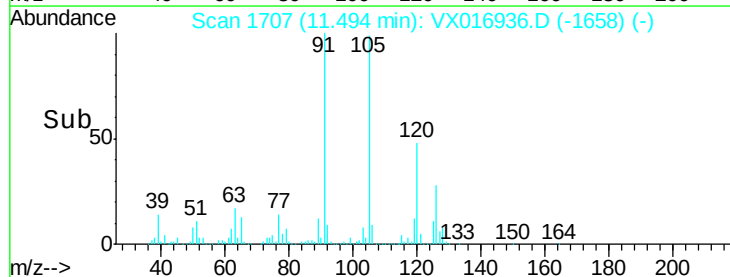
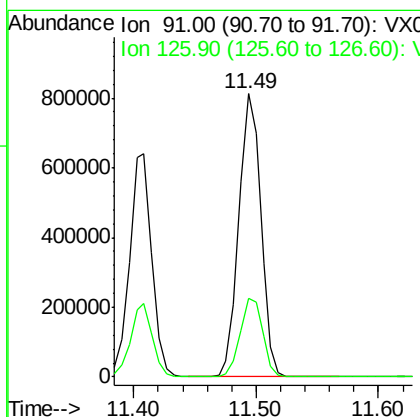
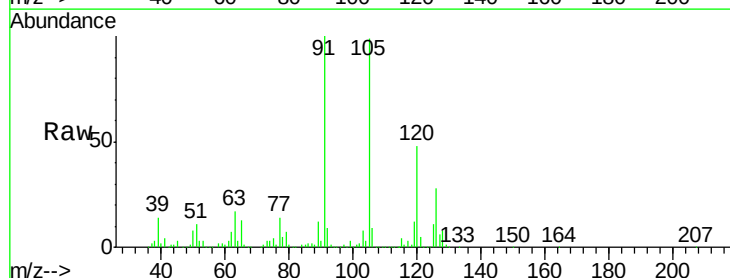
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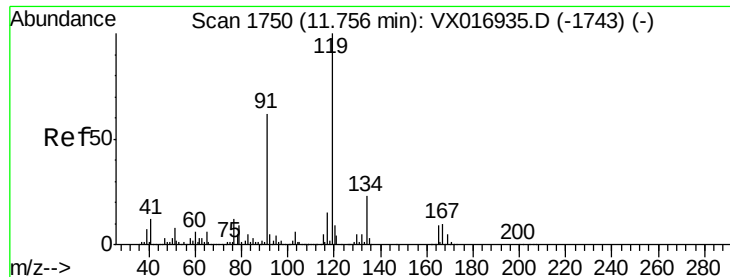
MMDadoda
6/24/2020 10:54:38 AM



#82
4-Chlorotoluene
Concen: 102.591 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016936.D
Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.1	42.4





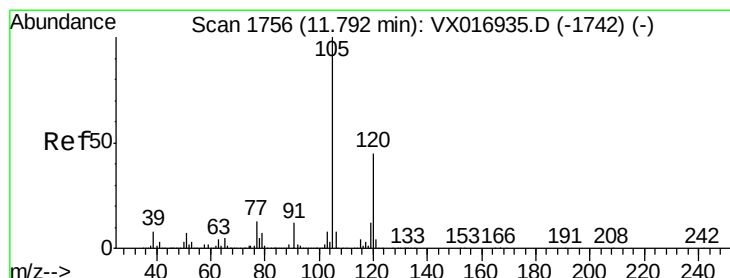
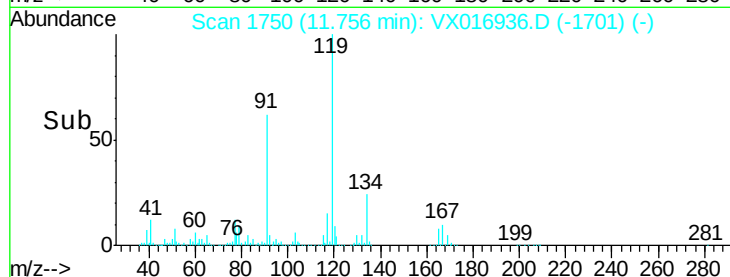
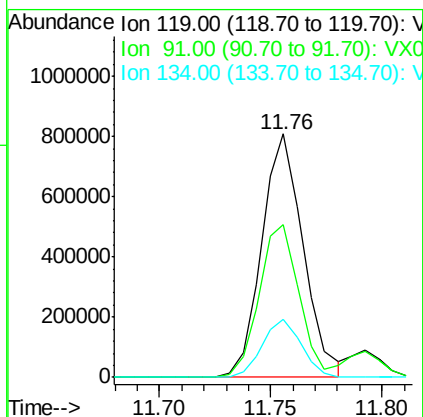
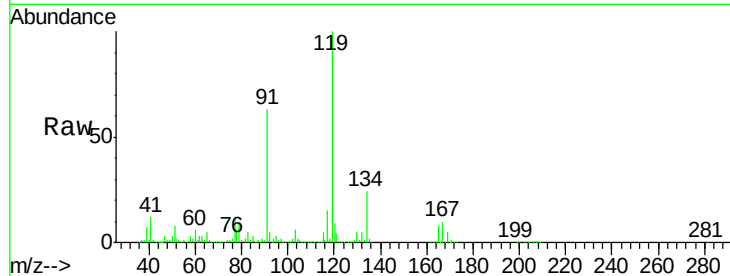
#83
 tert-Butylbenzene
 Concen: 111.169 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.3	90.9
134	22.8	11.4	34.2

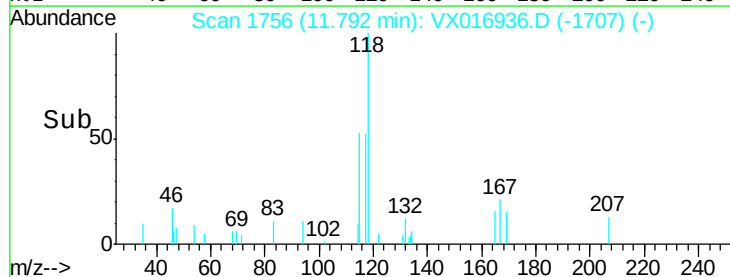
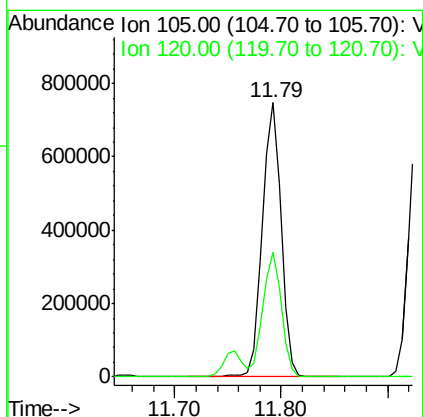
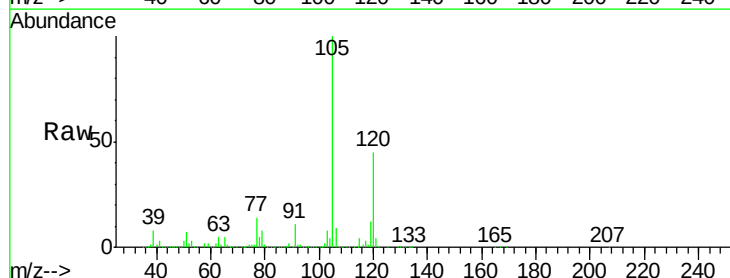
Manual Integrations
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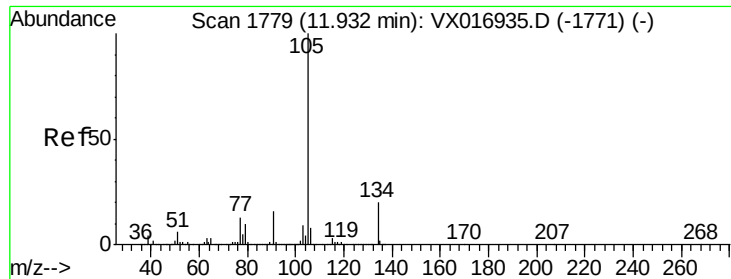
MMDadoda
 6/24/2020 10:54:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 97.623 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0





#85

sec-Butylbenzene

Concen: 99.523 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1055520

Ion Ratio Lower Upper

105 100

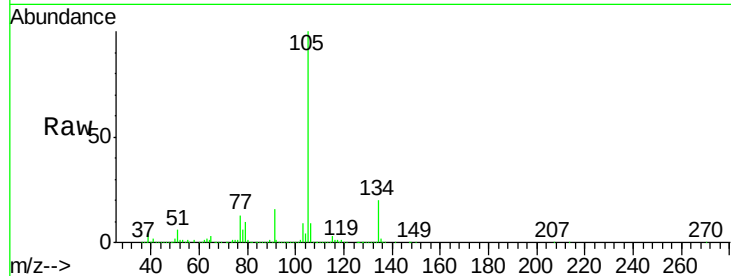
134 19.6 9.8 29.3

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

11.93

800000

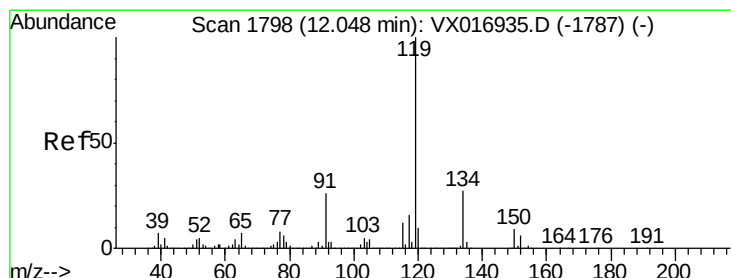
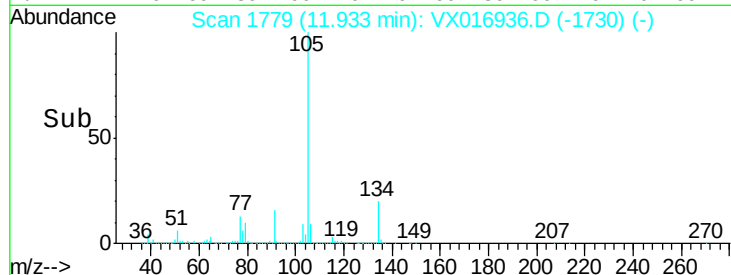
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 105.854 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

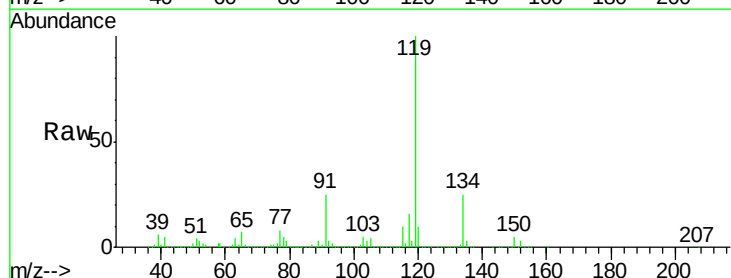
Tgt Ion:119 Resp: 1039068

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 25.6 12.6 37.8



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

12.05

1200000

1000000

800000

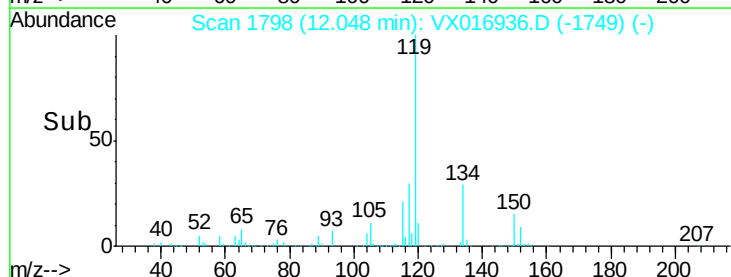
600000

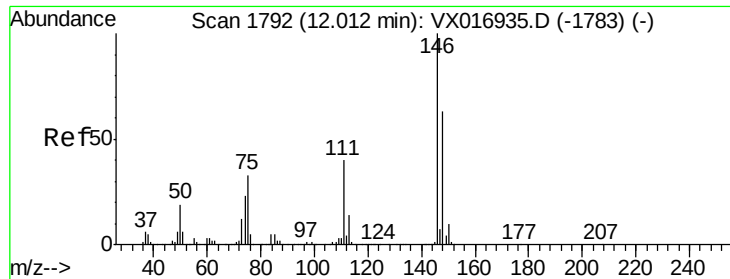
400000

200000

0

Time-->





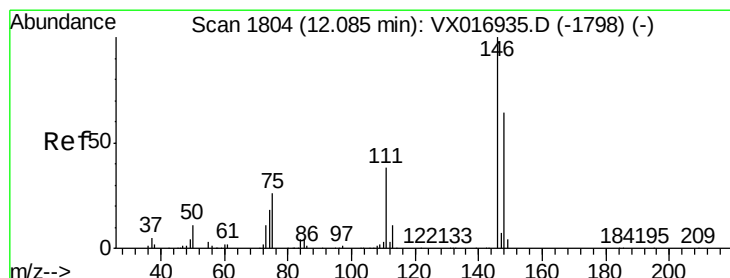
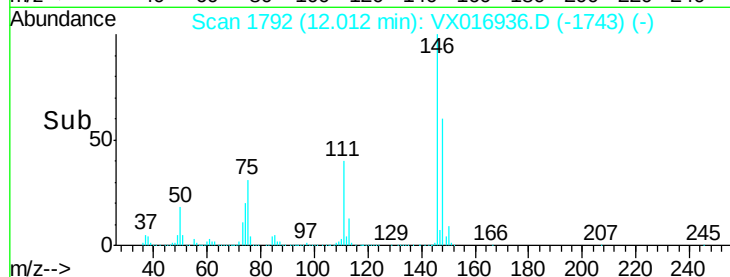
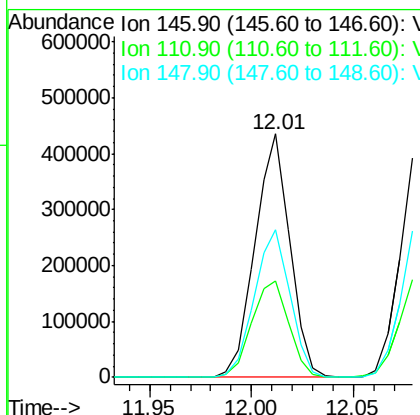
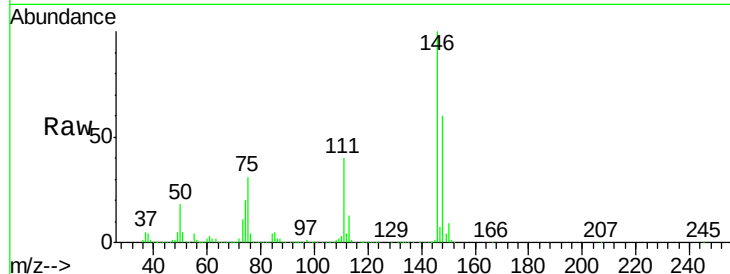
#87
 1,3-Dichlorobenzene
 Concen: 102.707 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.5
148	62.2	32.3	96.9

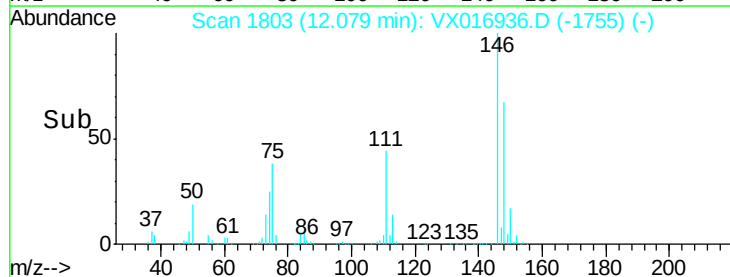
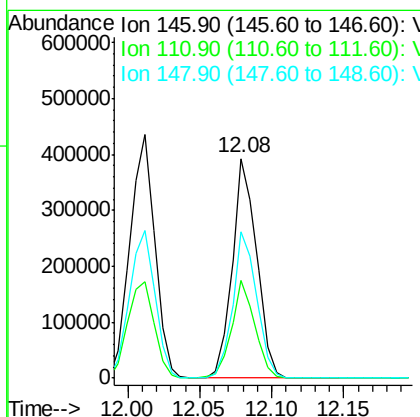
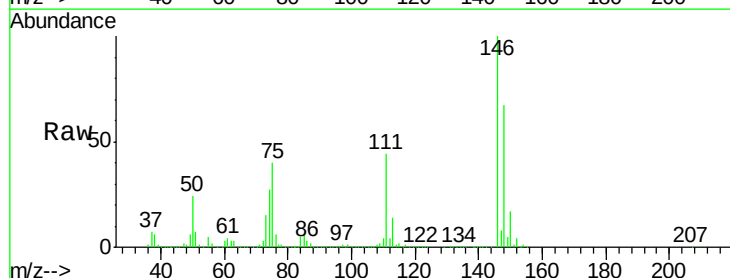
Manual Integrations
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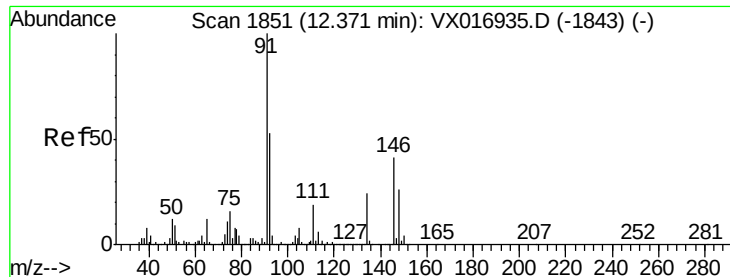
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 6/24/2020 10:54:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 92.313 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.3	61.0
148	65.7	31.8	95.3





#89

n-Butylbenzene

Concen: 108.208 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 91 Resp: 1005699

Ion Ratio Lower Upper

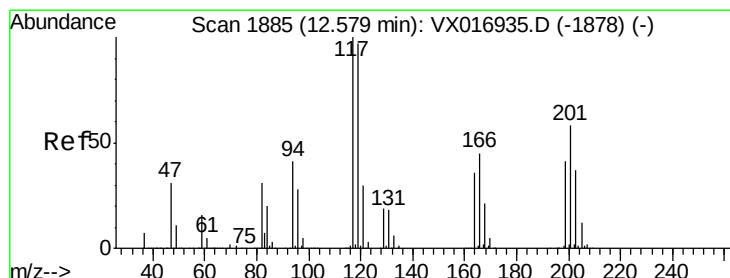
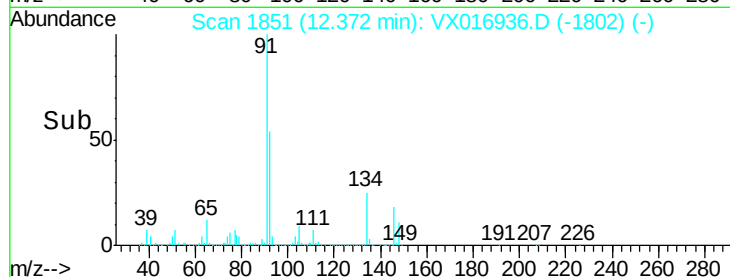
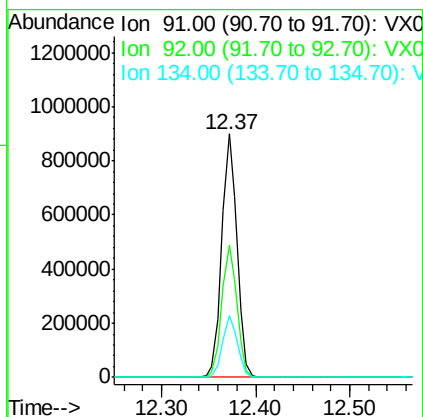
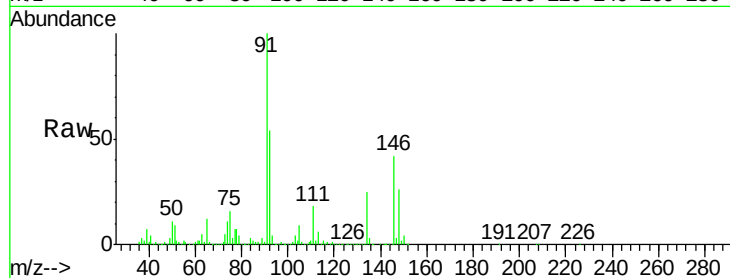
91 100

92 54.0 26.8 80.3

134 24.9 12.3 36.8

Manual Integrations
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6/24/2020 10:54:38 AM



#90

Hexachloroethane

Concen: 110.386 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX016936.D

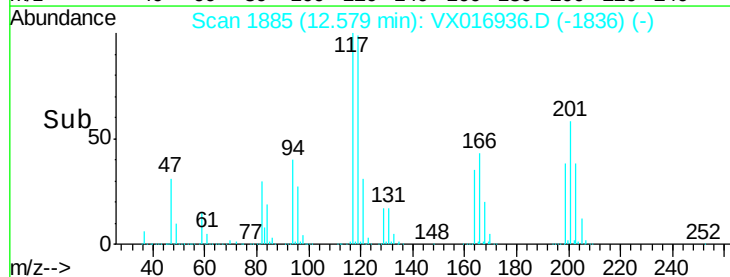
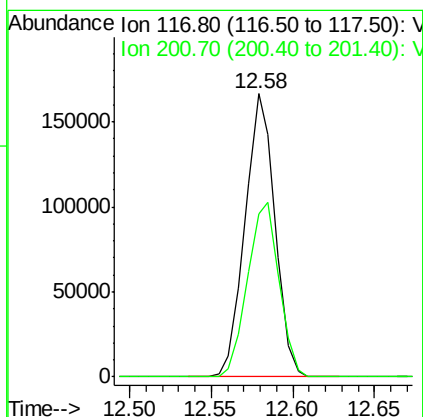
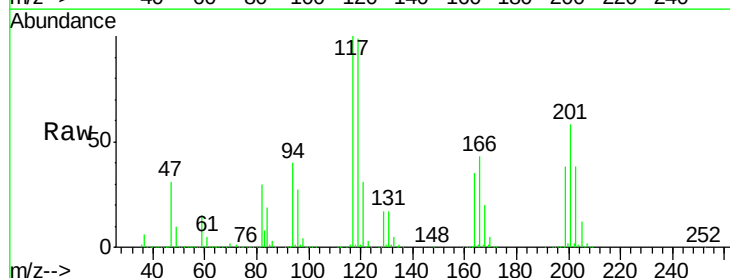
Acq: 23 Jun 2020 17:39

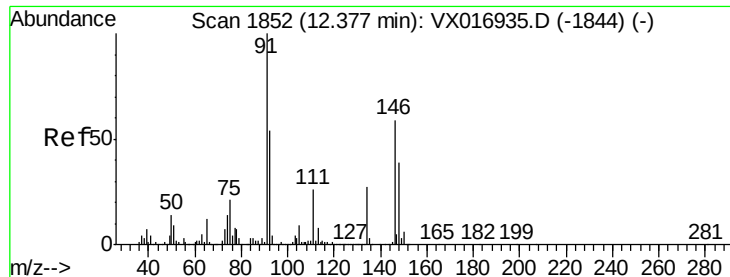
Tgt Ion: 117 Resp: 212856

Ion Ratio Lower Upper

117 100

201 65.3 31.1 93.5





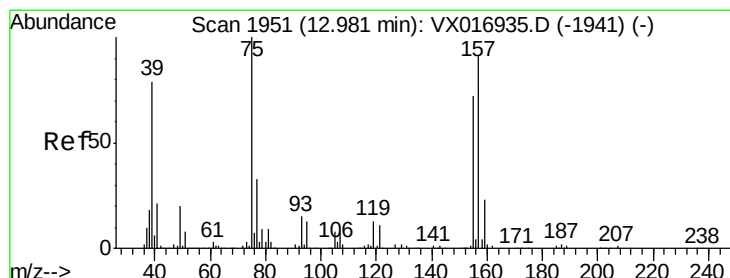
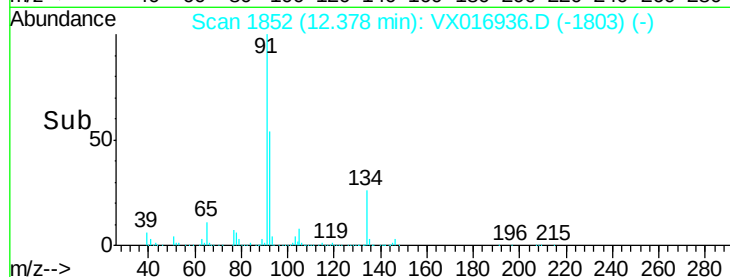
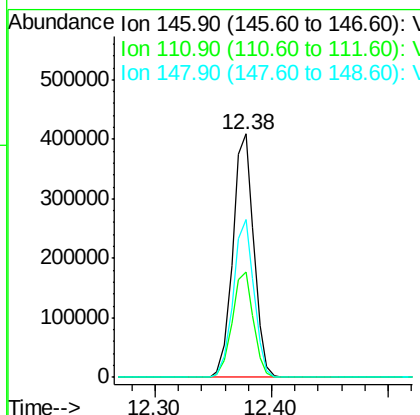
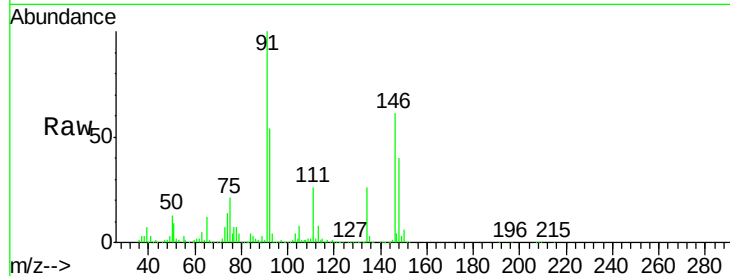
#91
 1,2-Dichlorobenzene
 Concen: 105.436 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.7	22.0	66.0	
148	64.0	32.1	96.5	

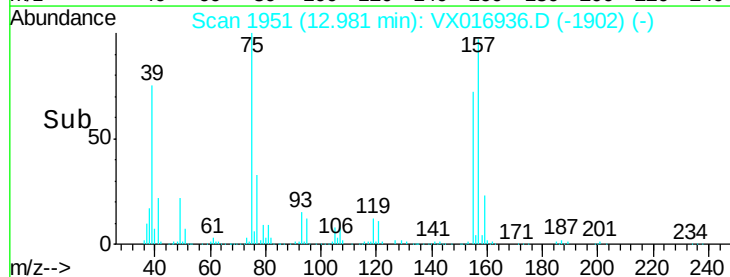
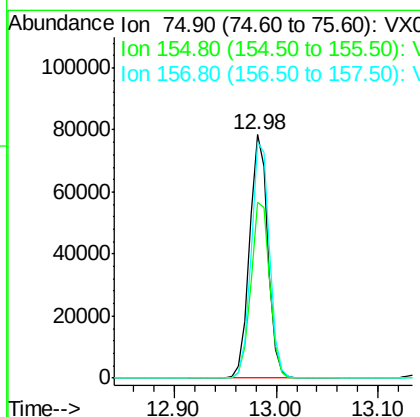
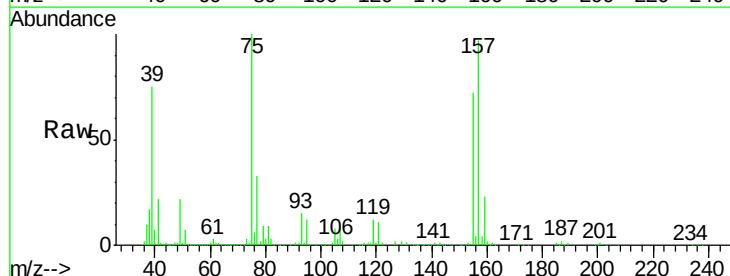
Manual Integrations
 APPROVED

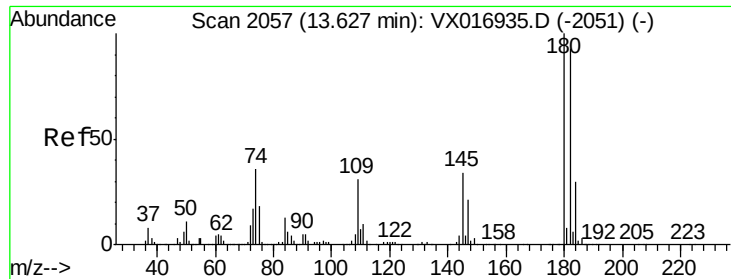
MMDadoda
 6/24/2020 10:54:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.518 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	74.4	36.1	108.5	
157	97.3	46.6	139.8	





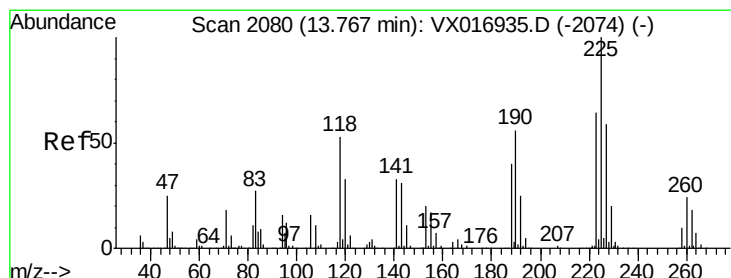
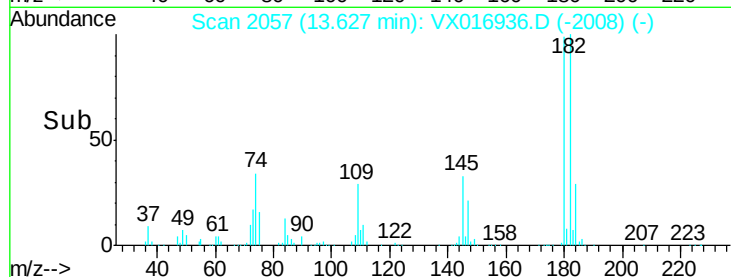
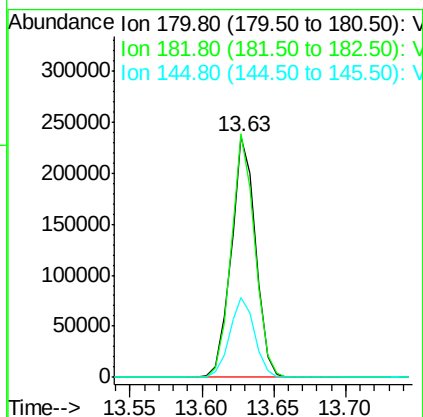
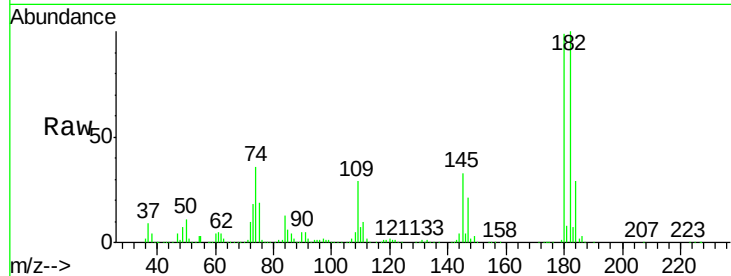
#93
 1,2,4-Trichlorobenzene
 Concen: 88.157 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	279389		
182	98.4	47.3	142.0	
145	33.7	16.4	49.2	

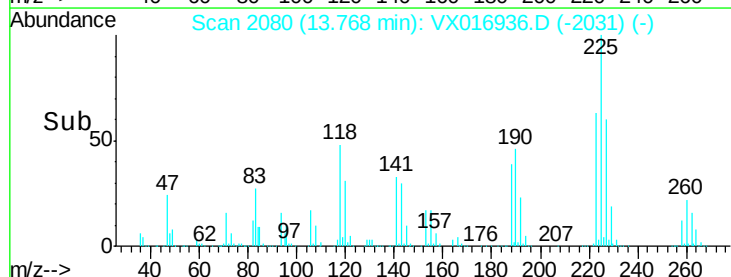
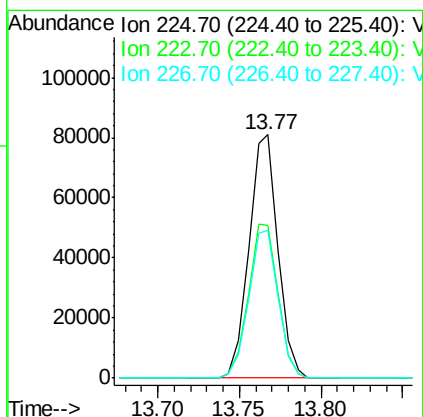
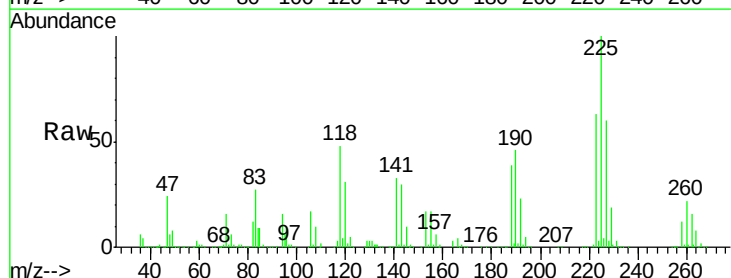
Manual Integrations
 APPROVED

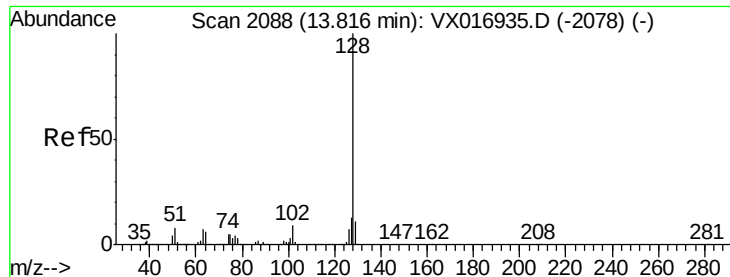
MMDadoda
 6/24/2020 10:54:38 AM



#94
 Hexachlorobutadiene
 Concen: 90.585 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016936.D
 Acq: 23 Jun 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100153		
223	65.1	32.5	97.4	
227	61.9	29.3	88.0	





#95

Naphthalene

Concen: 95.147 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1024648

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

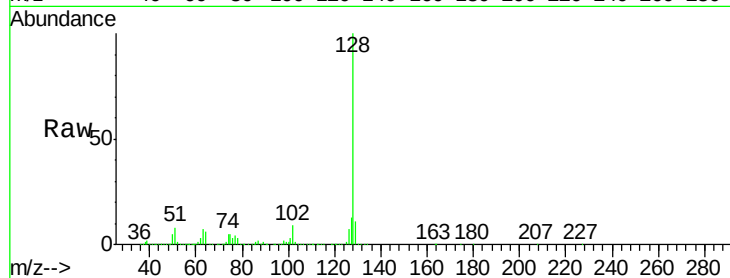
129 10.9 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

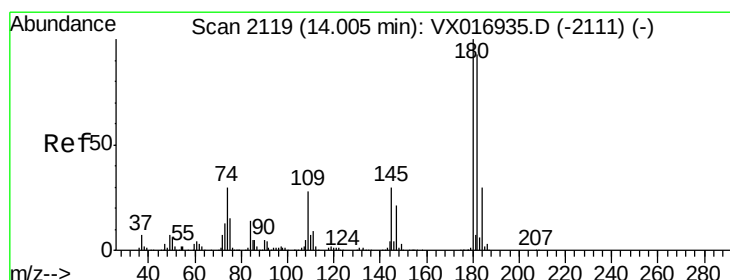
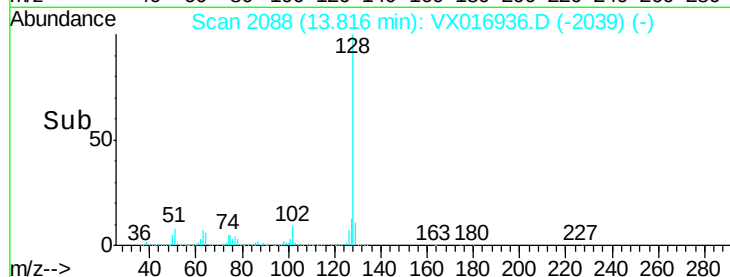
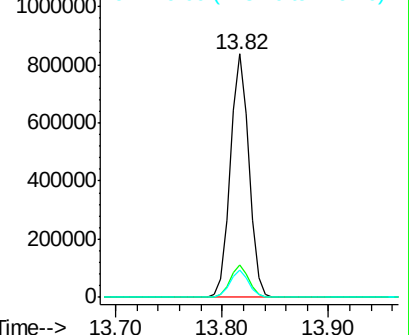
6/24/2020 10:54:38 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 89.829 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016936.D

Acq: 23 Jun 2020 17:39

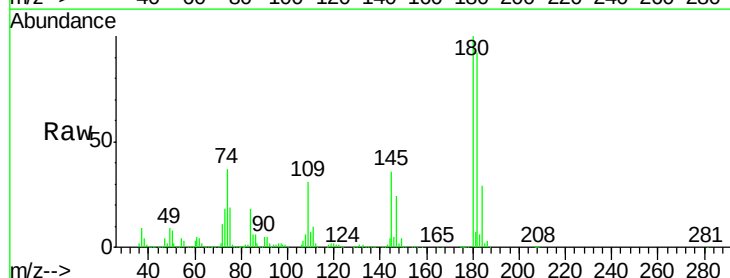
Tgt Ion:180 Resp: 275376

Ion Ratio Lower Upper

180 100

182 94.2 47.4 142.3

145 35.3 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

