

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062320\
 Data File : VX016938.D
 Acq On : 23 Jun 2020 18:47
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX062320

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:54:41 AM

Quant Time: Jun 24 01:05:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 01:00:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	211043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	348456	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	358957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	169640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	146293	43.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.68%	
35) Dibromofluoromethane	5.46	113	108704	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
50) Toluene-d8	8.70	98	381175	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
62) 4-Bromofluorobenzene	11.12	95	176737	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	128921	52.383	ug/l	100
3) Chloromethane	1.31	50	103289	44.579	ug/l	98
4) Vinyl Chloride	1.39	62	106916	46.152	ug/l	100
5) Bromomethane	1.62	94	68373	54.882	ug/l	99
6) Chloroethane	1.71	64	71018	42.328	ug/l	99
7) Trichlorofluoromethane	1.92	101	180175	44.093	ug/l	99
8) Diethyl Ether	2.17	74	67686	43.564	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	91988	40.367	ug/l	98
10) Methyl Iodide	2.49	142	132815	45.185	ug/l	98
11) Tert butyl alcohol	3.01	59	132263	188.743	ug/l	100
12) 1,1-Dichloroethene	2.36	96	89003	41.487	ug/l	92
13) Acrolein	2.27	56	94911	229.128	ug/l	100
14) Allyl chloride	2.71	41	176901	36.037	ug/l	96
15) Acrylonitrile	3.12	53	301805	197.162	ug/l	100
16) Acetone	2.42	43	262531	207.255	ug/l	98
17) Carbon Disulfide	2.55	76	242823	35.992	ug/l	99
18) Methyl Acetate	2.75	43	154561	36.848	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	357707	38.573	ug/l	99
20) Methylene Chloride	2.84	84	108427	34.314	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	102811	38.439	ug/l	96
22) Diisopropyl ether	3.82	45	380403	44.053	ug/l	99
23) Vinyl Acetate	3.79	43	1571437	225.329	ug/l	100
24) 1,1-Dichloroethane	3.67	63	195228	39.262	ug/l	98
25) 2-Butanone	4.64	43	432451	216.328	ug/l	99
26) 2,2-Dichloropropane	4.56	77	171030	39.125	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	122223	41.913	ug/l	96
28) Bromochloromethane	4.98	49	98943	38.311	ug/l	99
29) Tetrahydrofuran	5.09	42	310339	229.237	ug/l	99
30) Chloroform	5.18	83	227871	43.500	ug/l	95
31) Cyclohexane	5.55	56	195621	49.381	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	210861	45.915	ug/l	99
36) 1,1-Dichloropropene	5.77	75	172141	51.802	ug/l	99
37) Ethyl Acetate	4.79	43	176019	48.210	ug/l	99
38) Carbon Tetrachloride	5.75	117	188775	53.124	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	172026	46.972	ug/l	95
40) Benzene	6.12	78	490955	51.565	ug/l	99
41) Methacrylonitrile	5.01	41	102153	48.028	ug/l	96
42) 1,2-Dichloroethane	6.17	62	194489	49.766	ug/l	99
43) Isopropyl Acetate	6.42	43	345949	54.381	ug/l	100
44) Trichloroethene	7.19	130	133602	50.131	ug/l	97
45) 1,2-Dichloropropane	7.49	63	128461	48.700	ug/l	99
46) Dibromomethane	7.64	93	86098	47.225	ug/l	99
47) Bromodichloromethane	7.88	83	199244	52.107	ug/l	100
48) Methyl methacrylate	7.74	41	151464	51.204	ug/l	98
49) 1,4-Dioxane	7.71	88	61565	967.735	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	941406	254.057	ug/l	100
52) Toluene	8.76	92	294852	50.415	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	206286	46.869	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	236356	55.652	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	124877	47.144	ug/l	98
56) Ethyl methacrylate	9.16	69	196754	47.956	ug/l	98
57) 1,3-Dichloropropane	9.35	76	216686	48.809	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	535782	318.808	ug/l	100
59) 2-Hexanone	9.47	43	730927	257.597	ug/l	99
60) Dibromochloromethane	9.57	129	139875	48.274	ug/l	100
61) 1,2-Dibromoethane	9.65	107	137463	50.406	ug/l	100
64) Tetrachloroethene	9.32	164	105081	43.125	ug/l	92
65) Chlorobenzene	10.12	112	346359	47.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	134855	47.484	ug/l	98
67) Ethyl Benzene	10.24	91	626249	47.761	ug/l	99
68) m/p-Xylenes	10.34	106	442774	91.948	ug/l	98
69) o-Xylene	10.68	106	217269	47.233	ug/l	99
70) Styrene	10.70	104	384650	49.133	ug/l	99
71) Bromoform	10.84	173	108131	51.202	ug/l #	99
73) Isopropylbenzene	11.00	105	630407	50.081	ug/l	100
74) N-amyl acetate	10.88	43	321225	50.991	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	197876	46.978	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	198811m	48.858	ug/l	
77) Bromobenzene	11.24	156	147117	47.603	ug/l	98
78) n-propylbenzene	11.34	91	735969	51.285	ug/l	100
79) 2-Chlorotoluene	11.40	91	440023	48.427	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	519584	49.011	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	78720	48.245	ug/l	100
82) 4-Chlorotoluene	11.49	91	515225	47.367	ug/l	100
83) tert-Butylbenzene	11.76	119	476243	45.883	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	496556	47.145	ug/l	99
85) sec-Butylbenzene	11.93	105	594567	50.779	ug/l	100
86) p-Isopropyltoluene	12.05	119	538613	49.701	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	267807	48.182	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	261663	46.000	ug/l	98
89) n-Butylbenzene	12.37	91	455911	44.432	ug/l	99
90) Hexachloroethane	12.58	117	102803	48.290	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	233203	43.540	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	49699	47.325	ug/l	96

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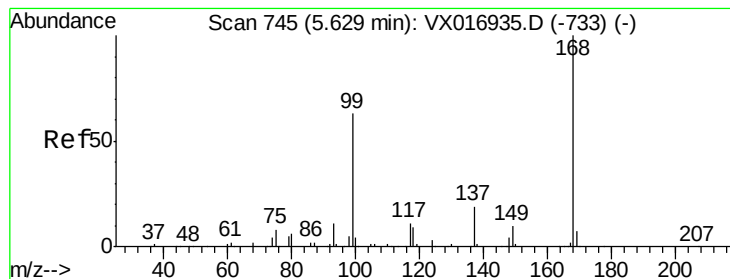
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	169387	48.412	ug/l	98
94) Hexachlorobutadiene	13.76	225	56165	46.013	ug/l	97
95) Naphthalene	13.82	128	620631	52.201	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	167550	49.506	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVX062320

Tot Ion:168 Resp: 211043

Ion Ratio Lower Upper

168 100

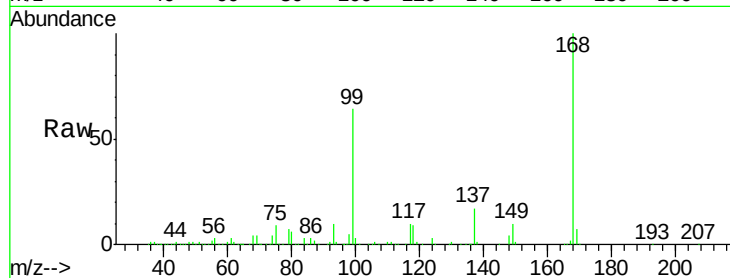
99 63.4 50.6 75.8

Manual Integrations

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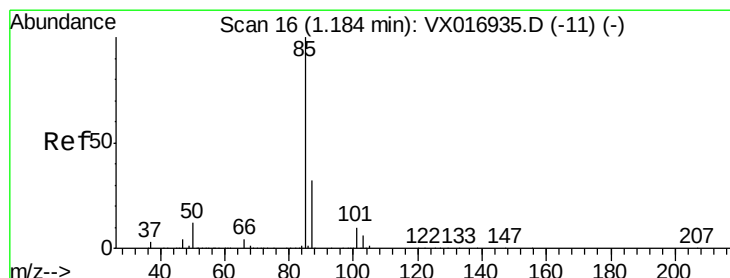
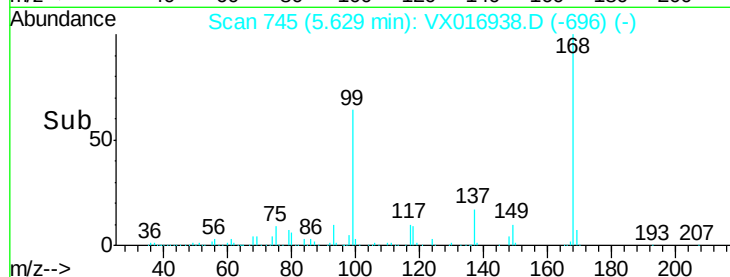
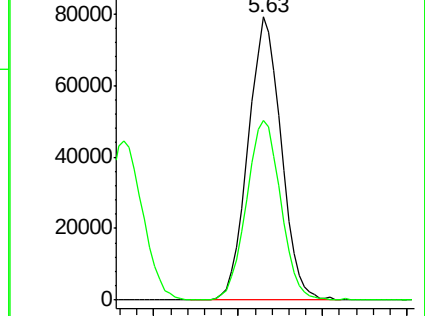
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 52.383 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016938.D

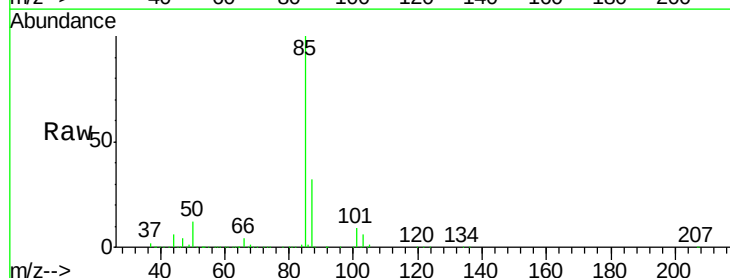
Acq: 23 Jun 2020 18:47

Tgt Ion: 85 Resp: 128921

Ion Ratio Lower Upper

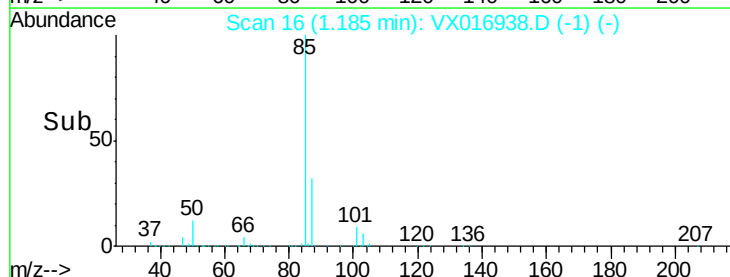
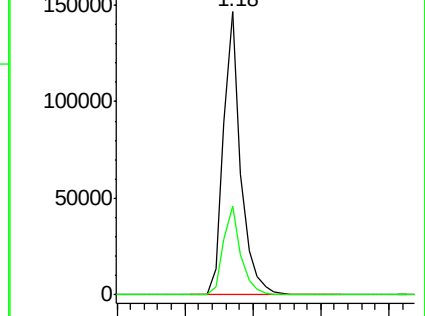
85 100

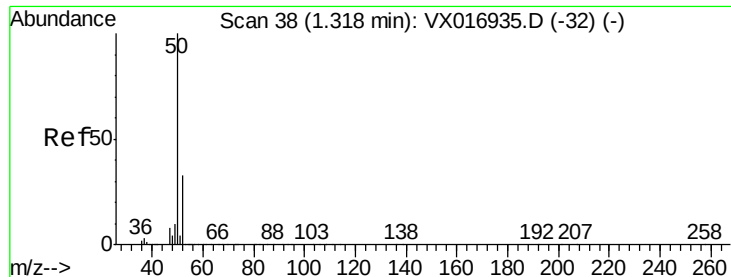
87 31.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 44.579 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion: 50 Resp: 103289

Ion Ratio Lower Upper

50 100

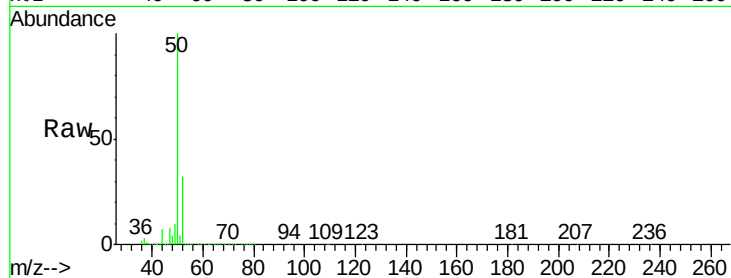
52 31.4 26.0 39.0

Manual Integrations

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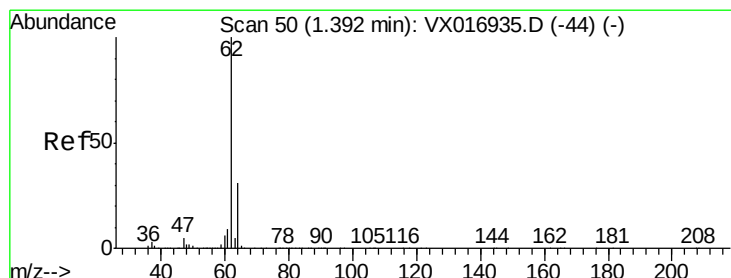
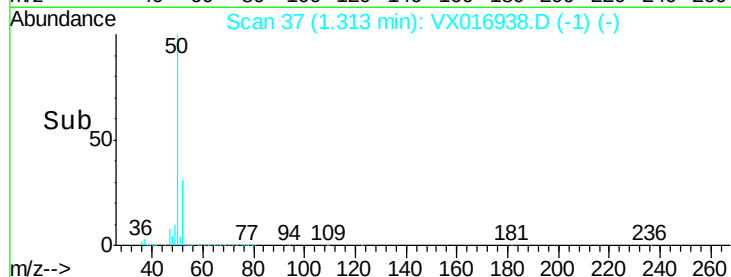
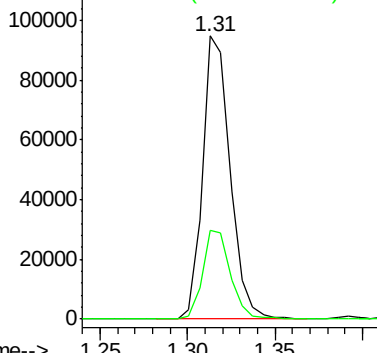
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.152 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016938.D

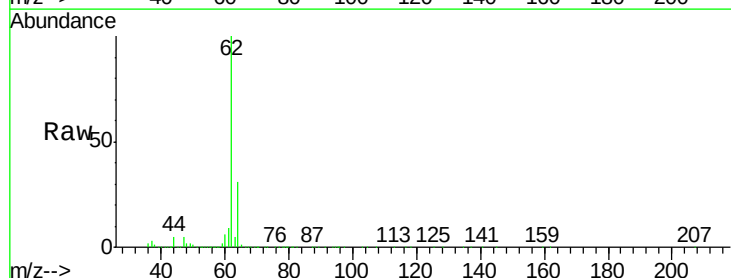
Acq: 23 Jun 2020 18:47

Tgt Ion: 62 Resp: 106916

Ion Ratio Lower Upper

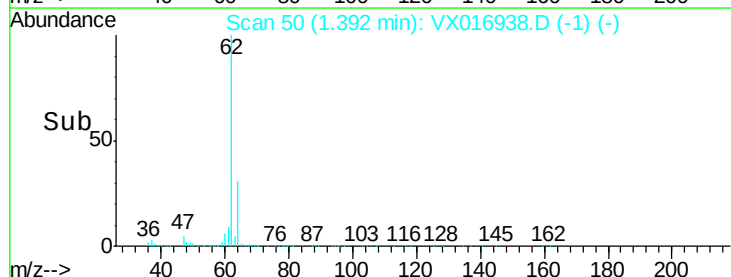
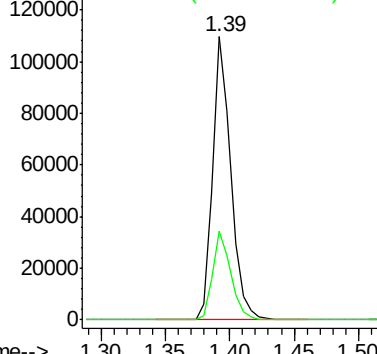
62 100

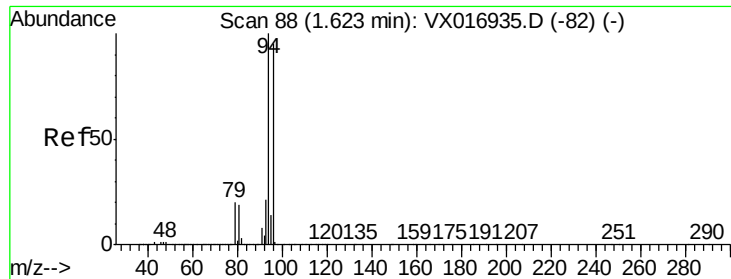
64 31.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 54.882 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion: 94 Resp: 68373

Ion Ratio Lower Upper

94 100

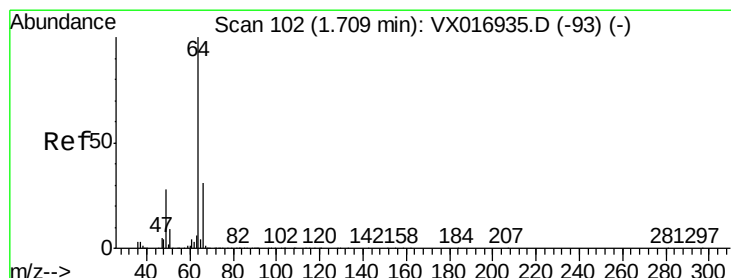
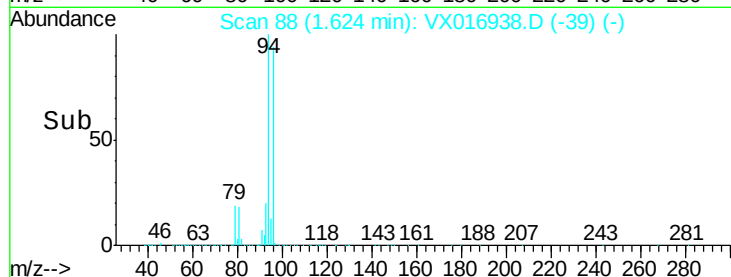
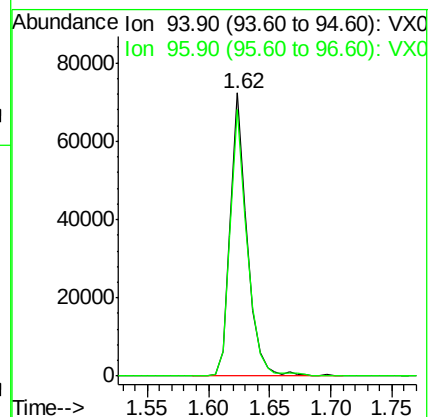
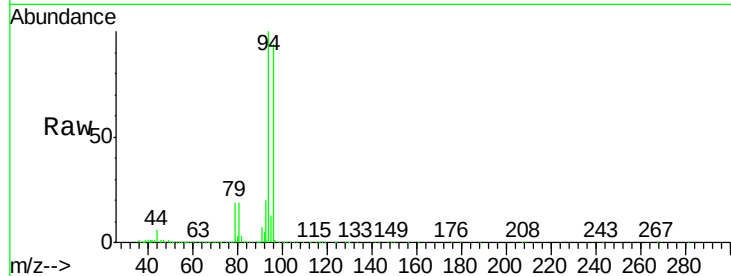
96 94.1 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 42.328 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX016938.D

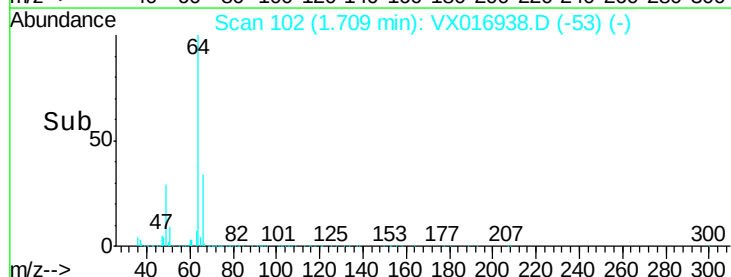
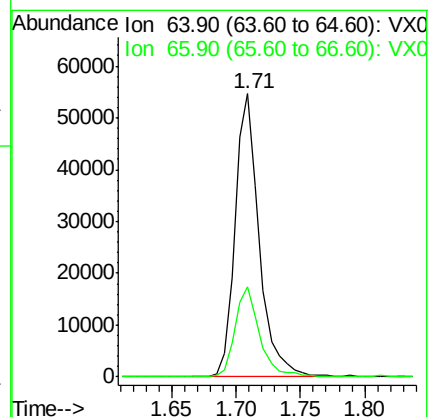
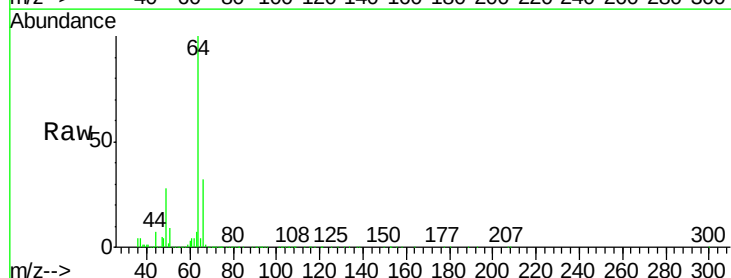
Acq: 23 Jun 2020 18:47

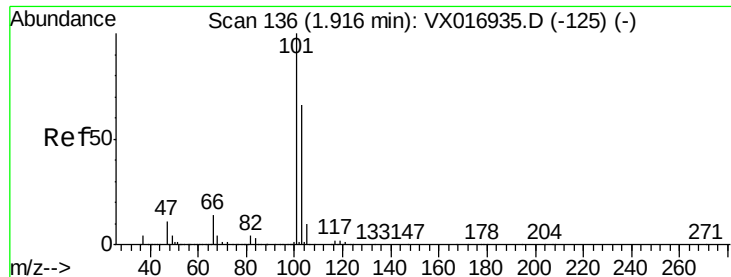
Tgt Ion: 64 Resp: 71018

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.6





#7

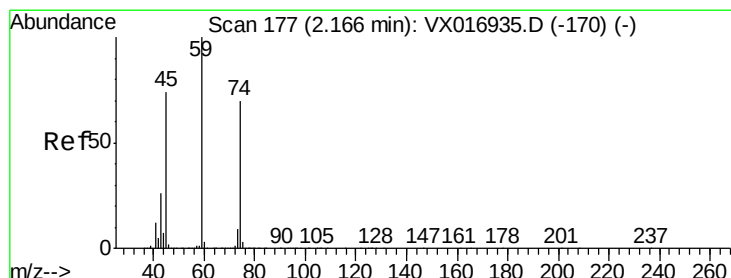
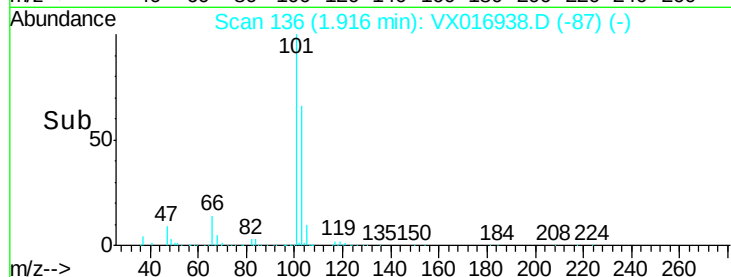
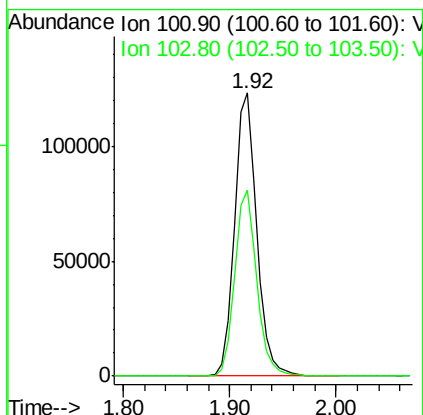
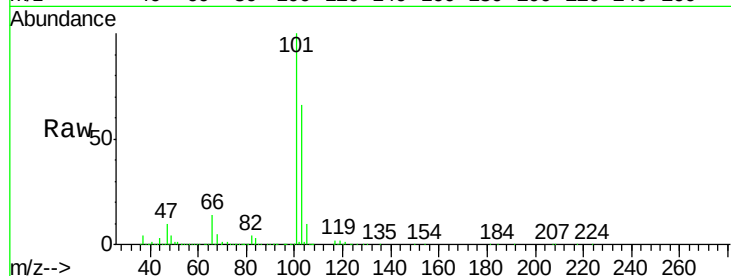
Trichlorofluoromethane
Concen: 44.093 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

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ICVVX062320

Tot Ion	Ratio	Resp	Lower	Upper
101	100	180175		
103	65.7	53.0	79.4	

Manual Integrations
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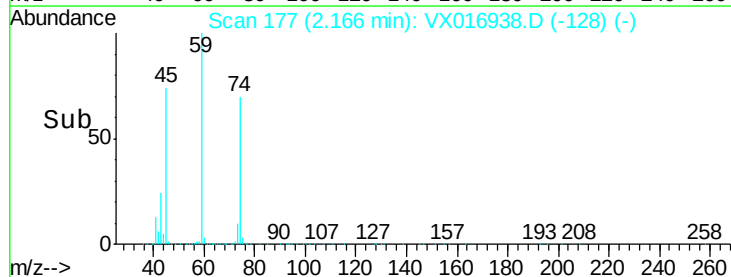
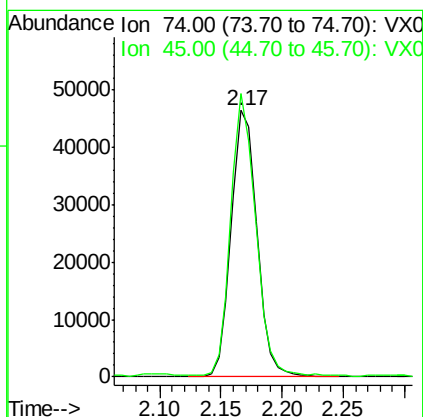
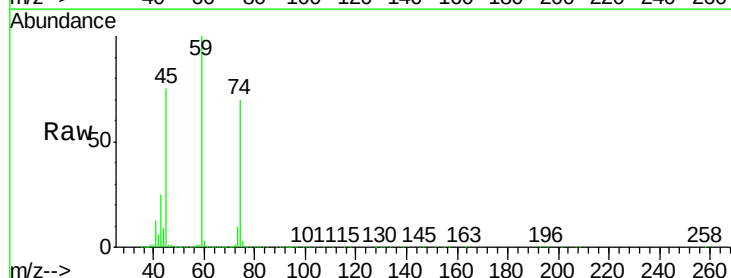
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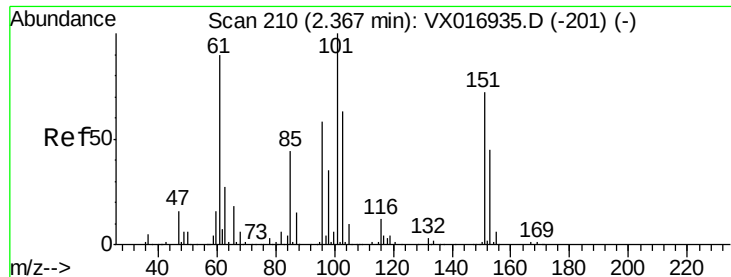


#8

Diethyl Ether
Concen: 43.564 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	67686		
45	101.4	52.6	157.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.367 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

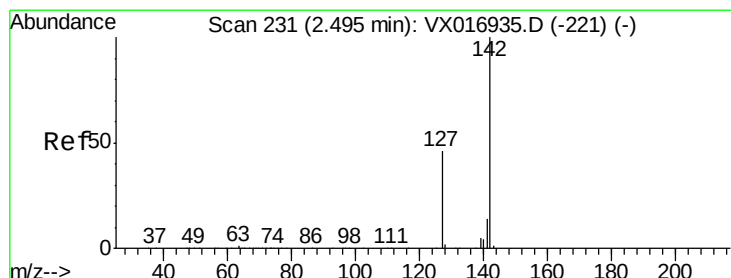
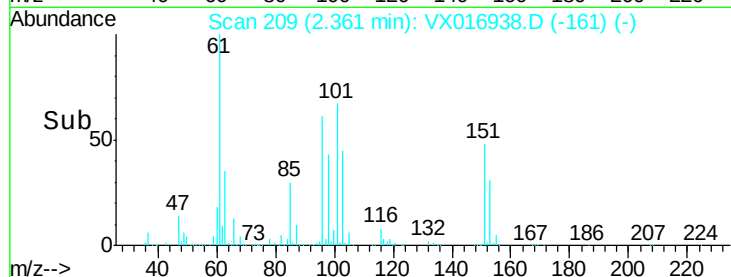
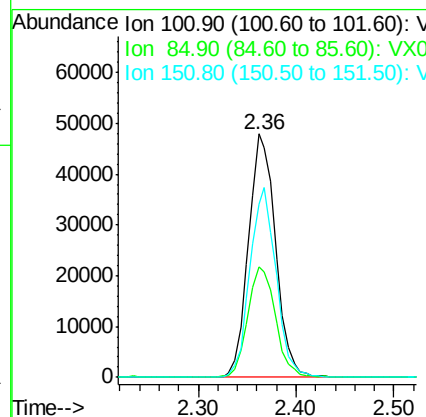
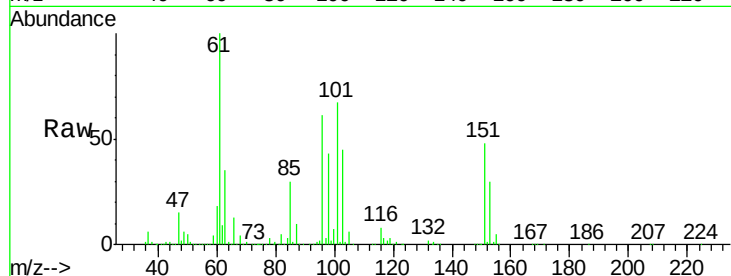
ClientSampleId :

ICVVX062320

Tot Ion:	101	Resp:	91988
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.9	55.3
151	75.7	58.4	87.6

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#10

Methyl Iodide

Concen: 45.185 ug/l

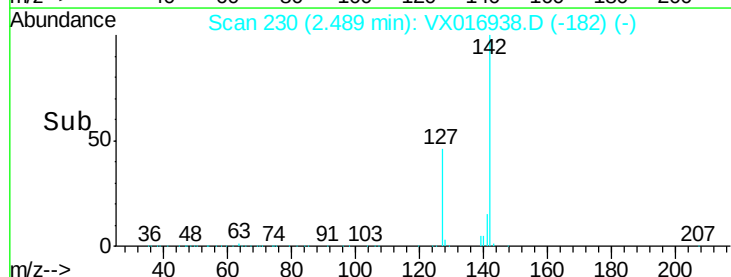
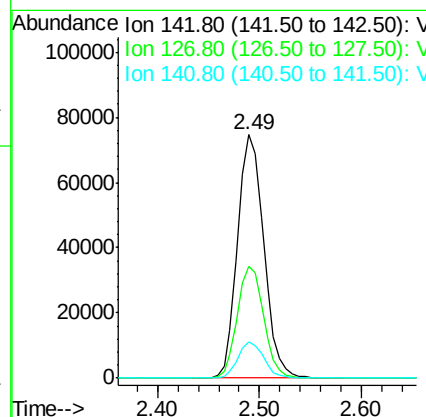
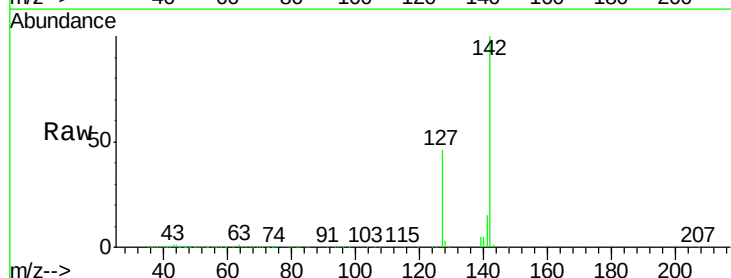
RT: 2.49 min Scan# 230

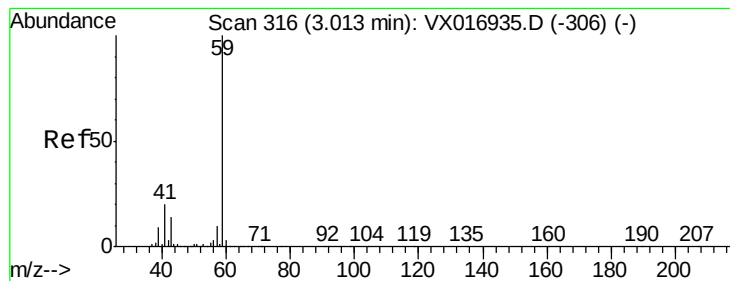
Delta R.T. -0.01 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Tgt Ion:	142	Resp:	132815
Ion Ratio	Lower	Upper	
142	100		
127	46.4	38.3	57.5
141	14.8	11.9	17.9





#11

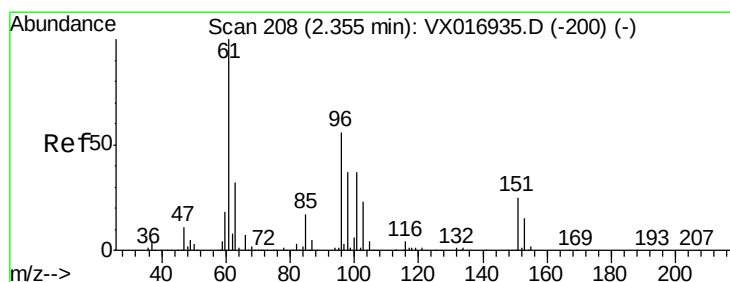
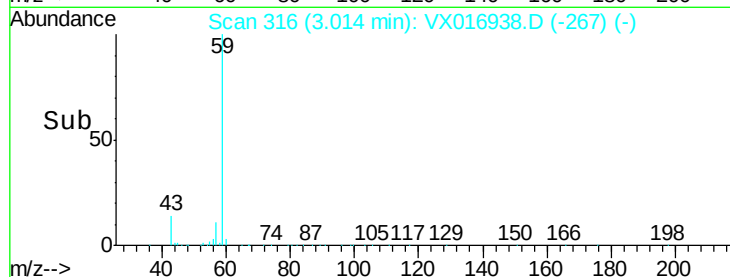
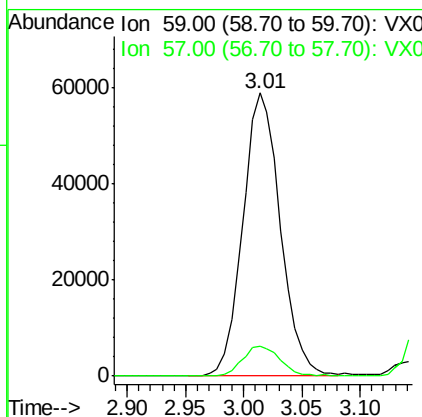
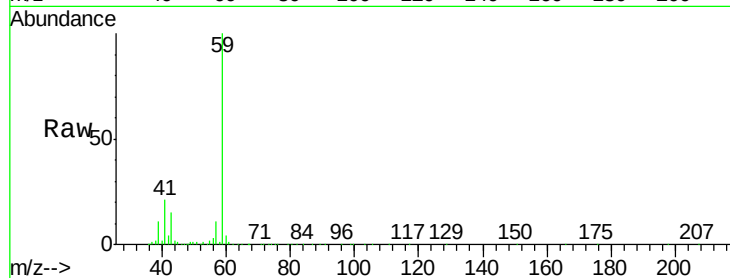
Tert butyl alcohol
Concen: 188.743 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	59	Resp	132263
Ion Ratio	100	Lower	Upper
57	10.6	8.6	12.8

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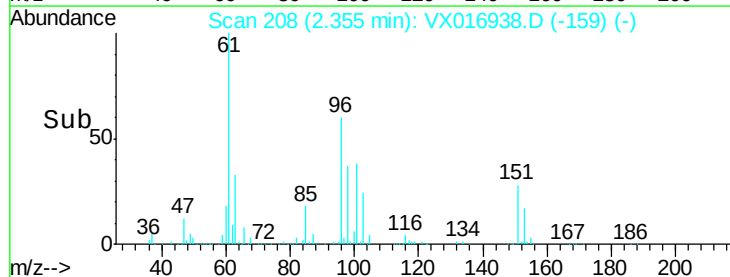
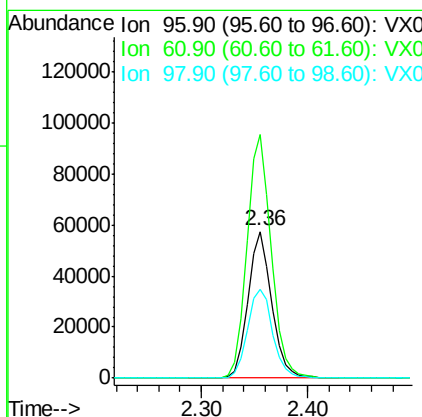
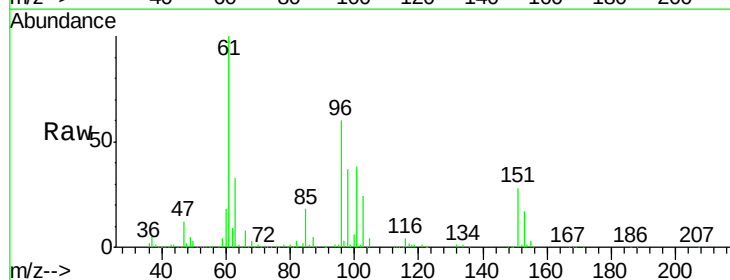
MMDadoda
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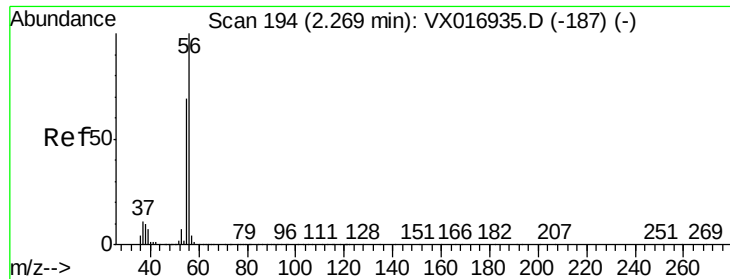


#12

1,1-Dichloroethene
Concen: 41.487 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	96	Resp	89003
Ion Ratio	100	Lower	Upper
61	166.1	142.3	213.5
98	60.9	53.2	79.8





#13

Acrolein

Concen: 229.128 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion: 56 Resp: 94911

Ion Ratio Lower Upper

56 100

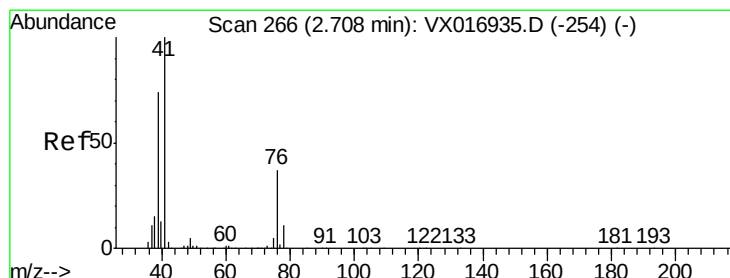
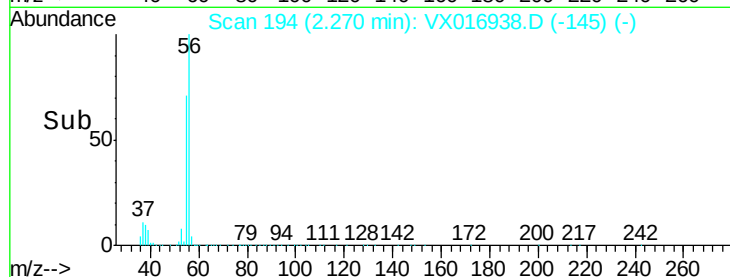
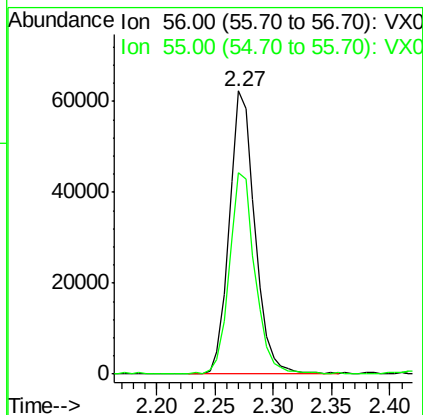
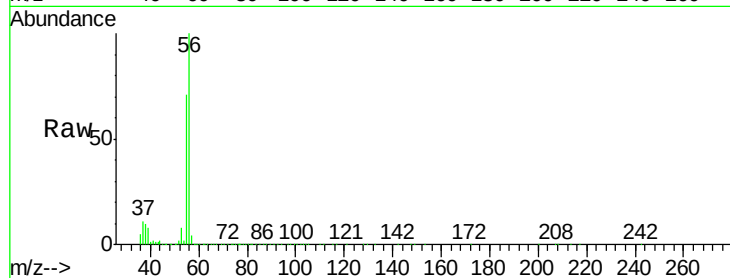
55 71.4 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 36.037 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

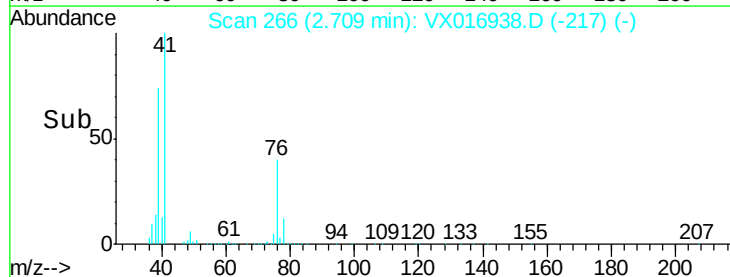
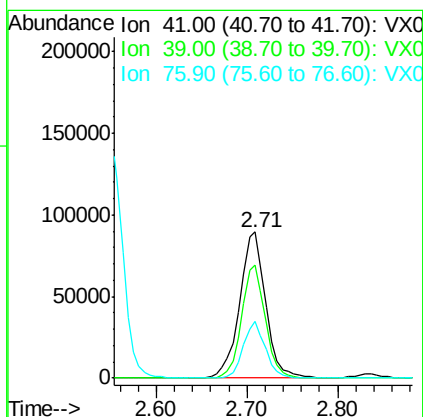
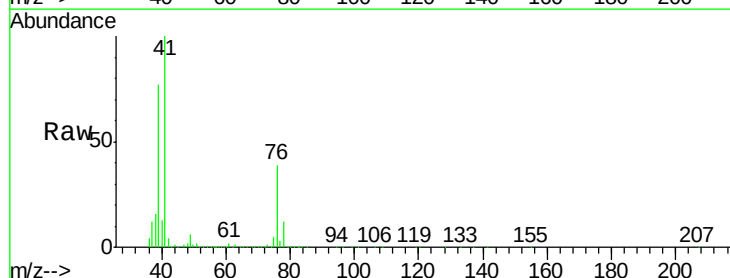
Tgt Ion: 41 Resp: 176901

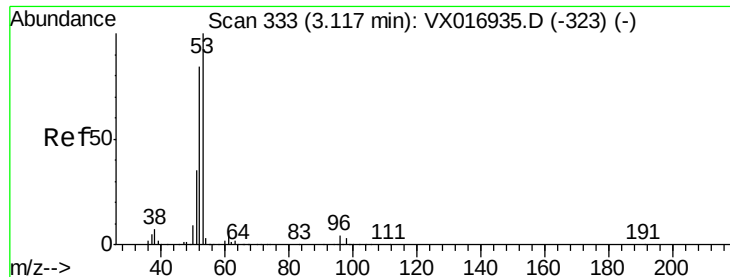
Ion Ratio Lower Upper

41 100

39 70.1 53.3 79.9

76 33.2 25.2 37.8





#15

Acrylonitrile

Concen: 197.162 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

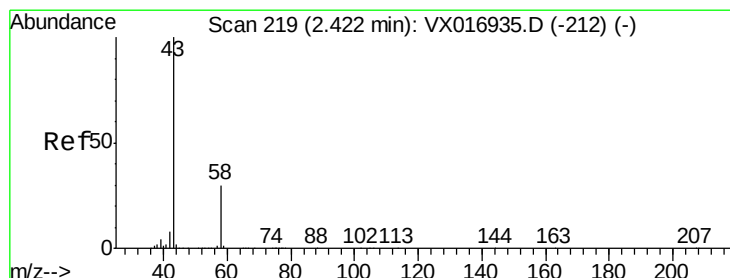
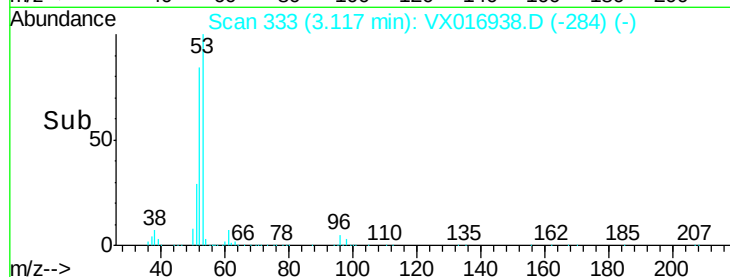
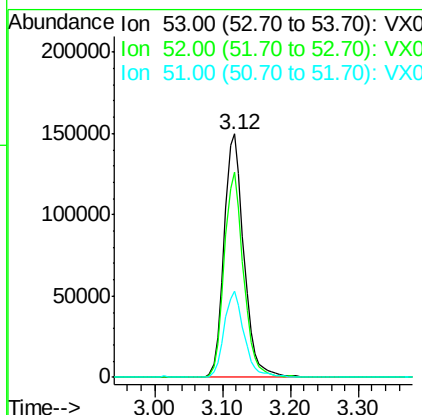
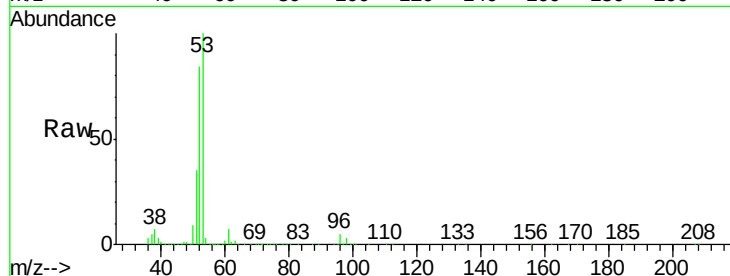
ClientSampleId :

ICVVX062320

Tot Ion:	53	Resp:	301805
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.0	99.0
51	35.6	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 207.255 ug/l

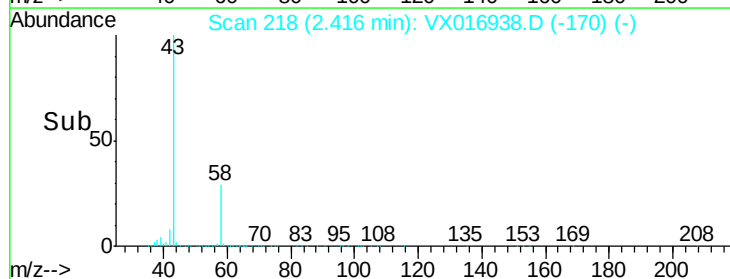
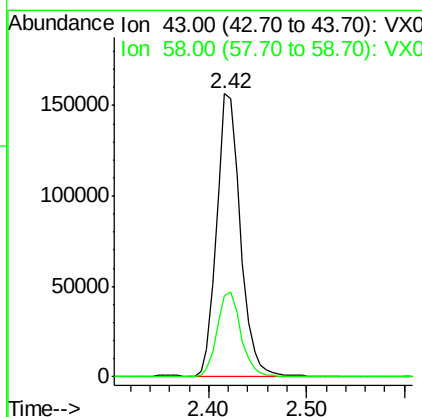
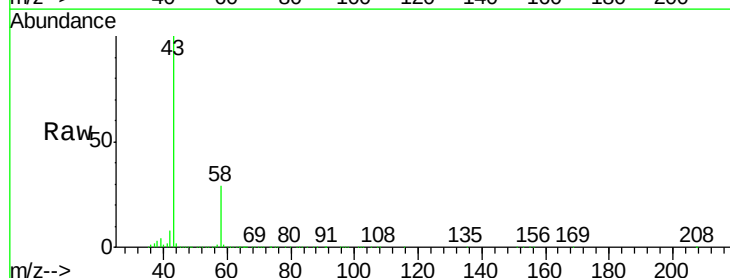
RT: 2.42 min Scan# 218

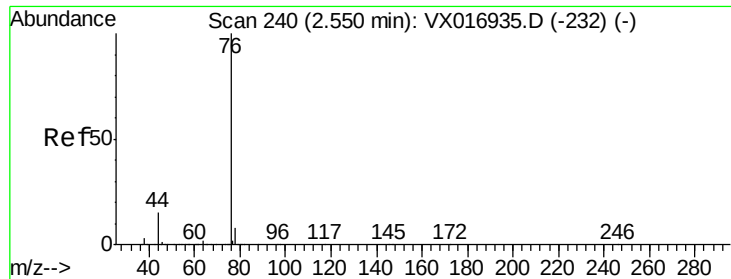
Delta R.T. -0.01 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Tgt Ion:	43	Resp:	262531
Ion Ratio		Lower	Upper
43	100		
58	28.7	23.9	35.9





#17

Carbon Disulfide

Concen: 35.992 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion: 76 Resp: 242823

Ion Ratio Lower Upper

76 100

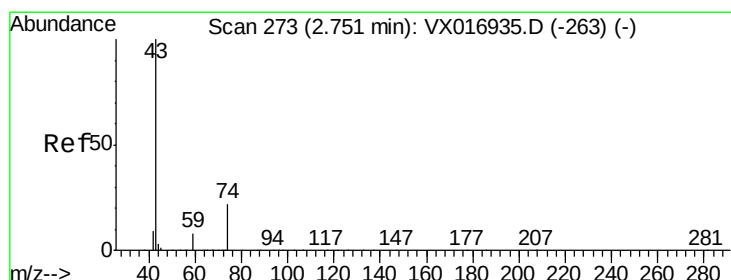
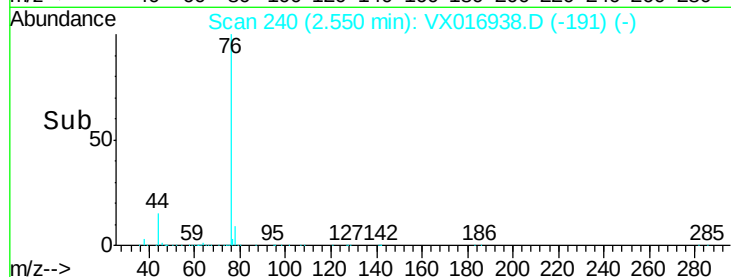
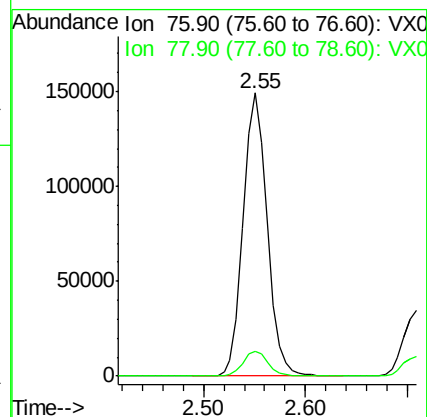
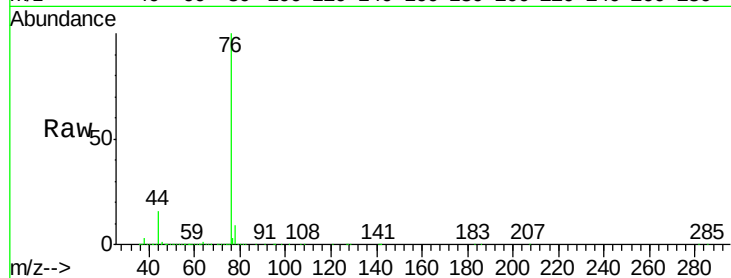
78 8.8 6.6 10.0

Manual Integrations

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#18

Methyl Acetate

Concen: 36.848 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX016938.D

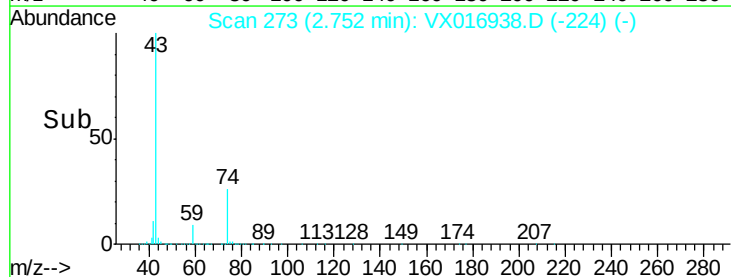
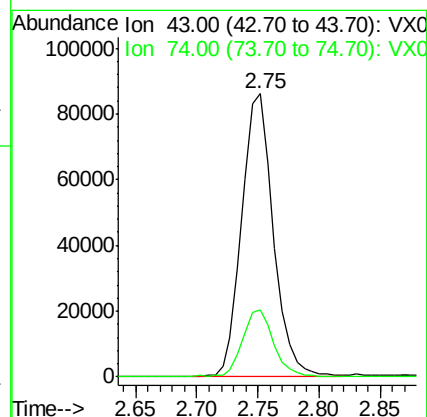
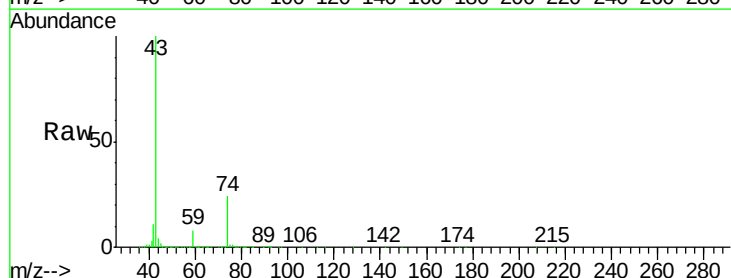
Acq: 23 Jun 2020 18:47

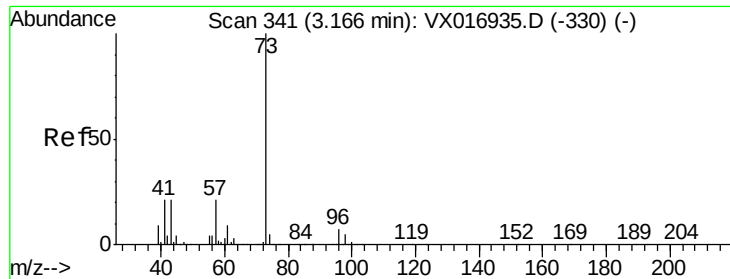
Tgt Ion: 43 Resp: 154561

Ion Ratio Lower Upper

43 100

74 23.6 18.6 27.8





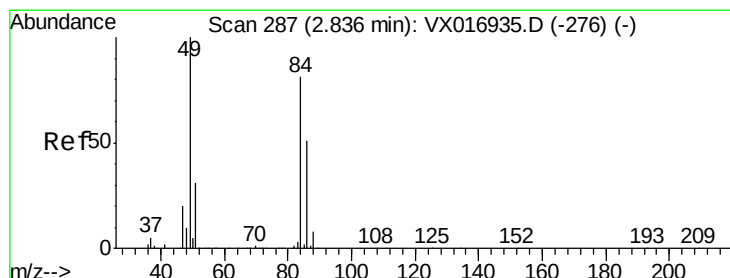
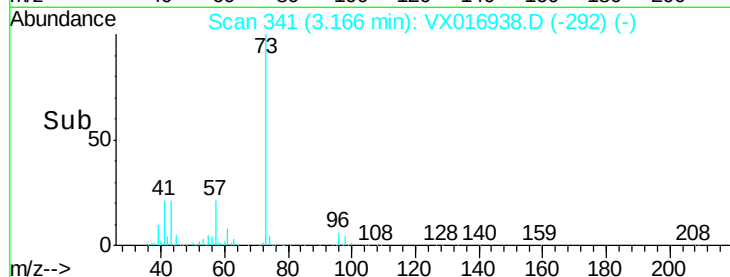
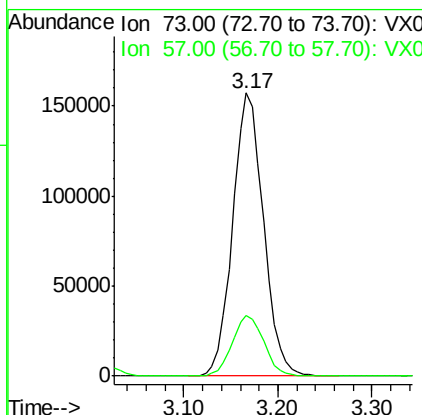
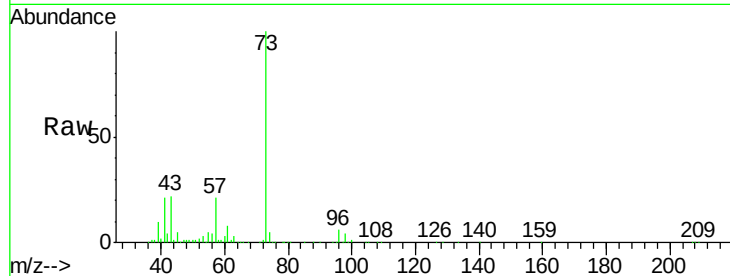
#19
Methyl tert-butyl Ether
Concen: 38.573 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	73	Resp	357707
Ion Ratio	Lower	Upper	
73	100		
57	21.3	16.7	25.1

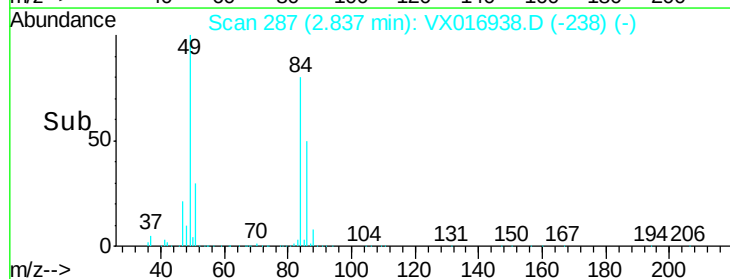
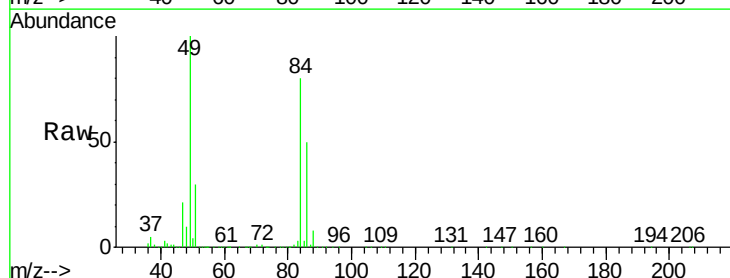
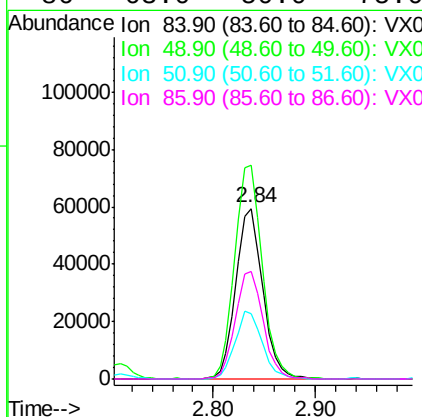
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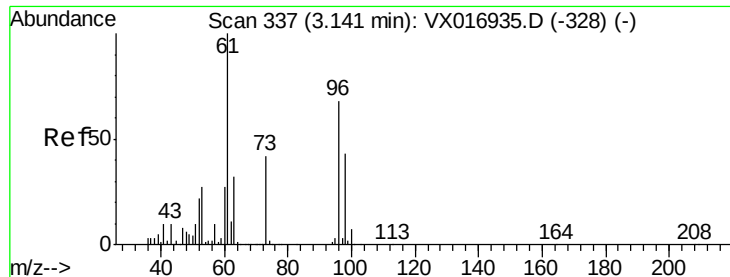
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#20
Methylene Chloride
Concen: 34.314 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	84	Resp	108427
Ion Ratio	Lower	Upper	
84	100		
49	125.0	98.2	147.4
51	38.0	30.7	46.1
86	63.0	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 38.439 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion: 96 Resp: 102811

Ion Ratio Lower Upper

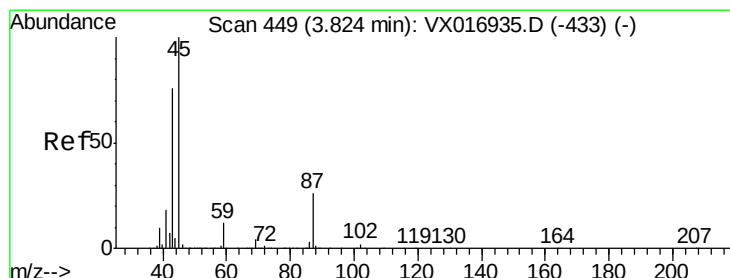
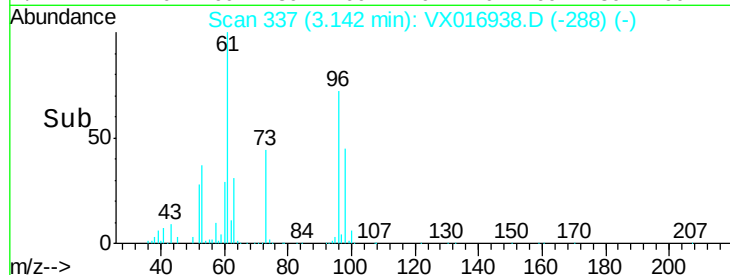
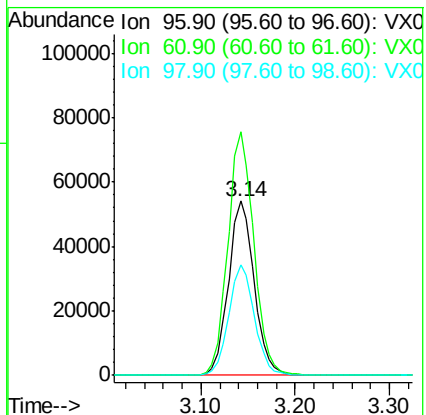
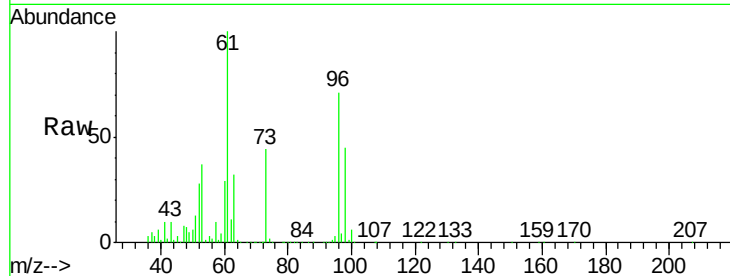
96 100

61 139.8 118.1 177.1

98 63.2 50.7 76.1

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#22

Diisopropyl ether

Concen: 44.053 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Tgt Ion: 45 Resp: 380403

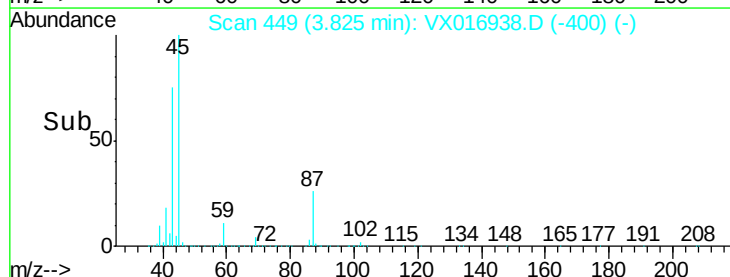
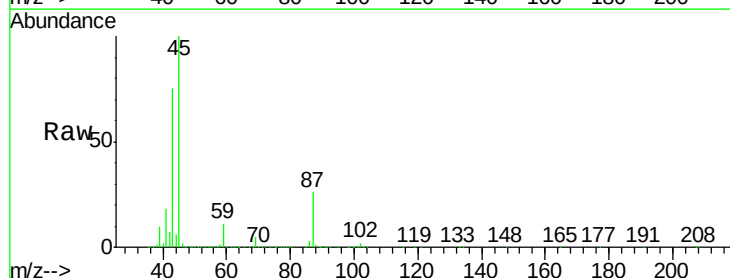
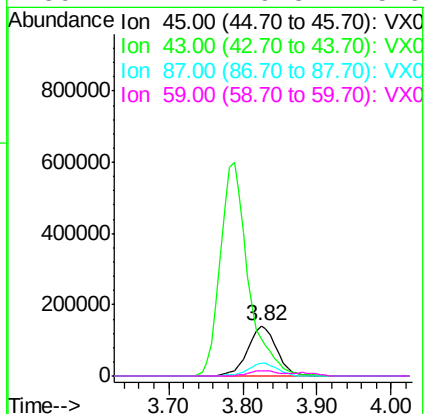
Ion Ratio Lower Upper

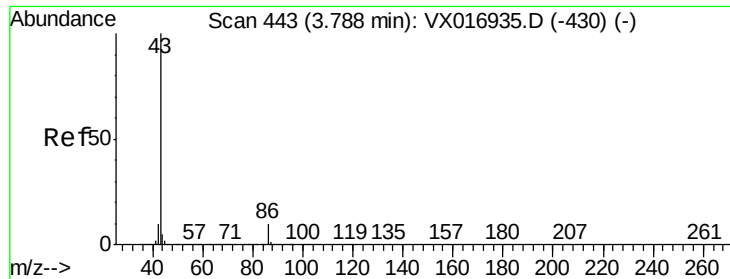
45 100

43 74.7 61.0 91.4

87 25.8 20.6 30.8

59 11.4 9.3 13.9





#23

Vinyl Acetate

Concen: 225.329 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion: 43 Resp: 1571437

Ion Ratio Lower Upper

43 100

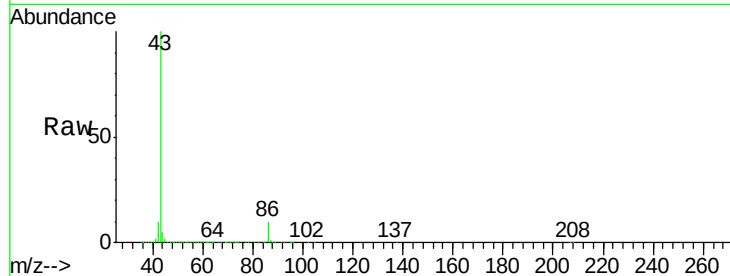
86 10.1 8.0 12.0

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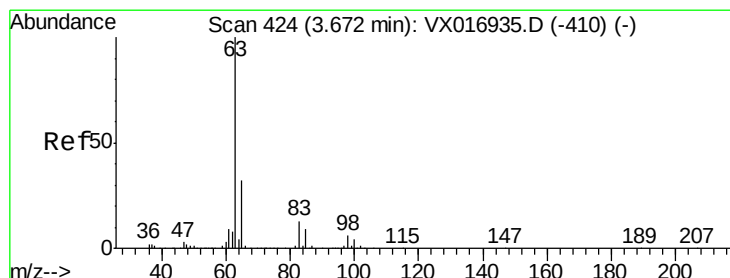
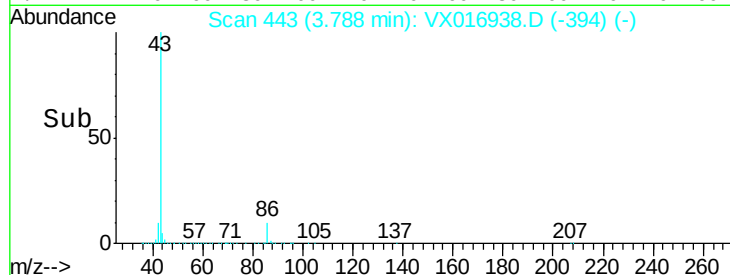
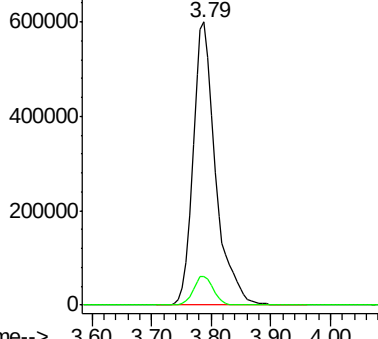
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 39.262 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

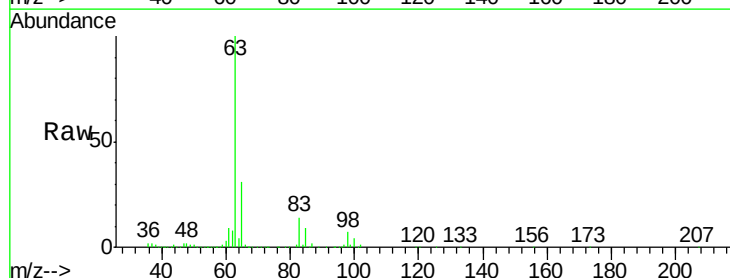
Tgt Ion: 63 Resp: 195228

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.3

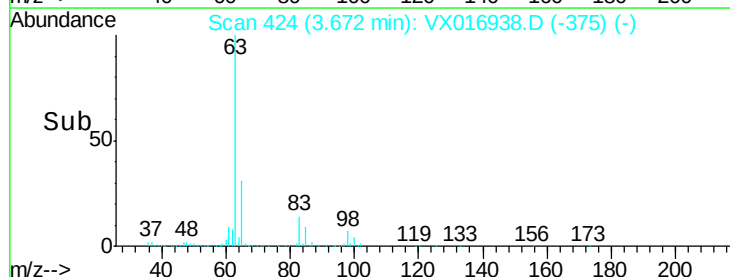
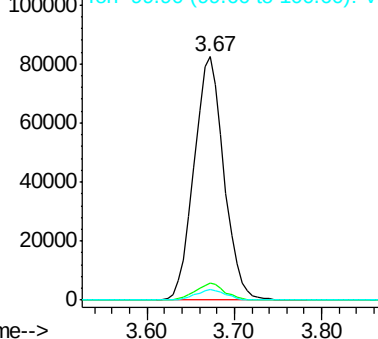
100 4.1 2.2 6.6

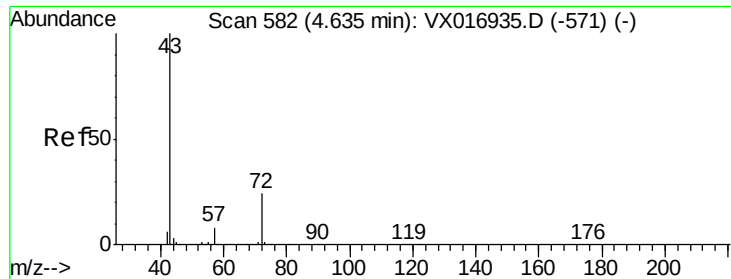


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 216.328 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion: 43 Resp: 432451

Ion Ratio Lower Upper

43 100

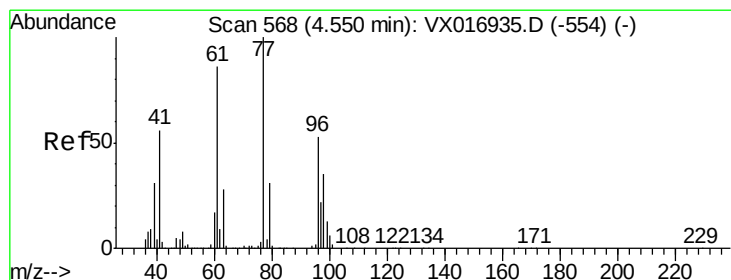
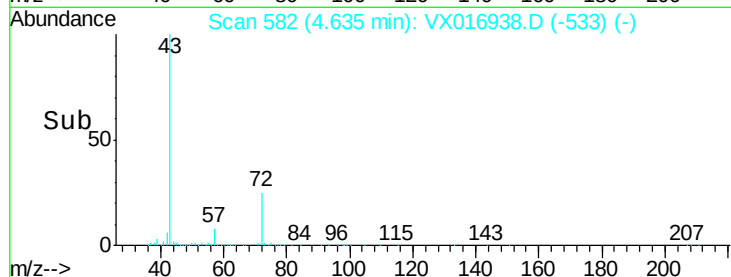
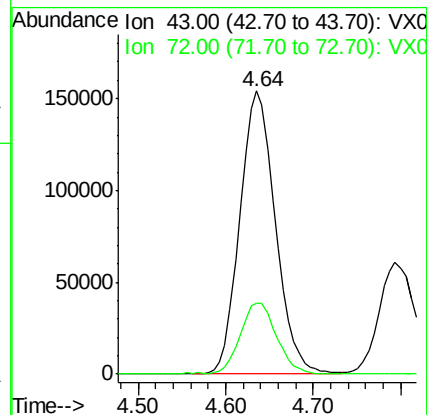
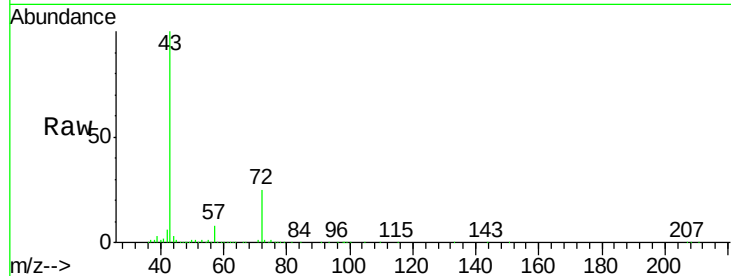
72 25.0 19.6 29.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 39.125 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016938.D

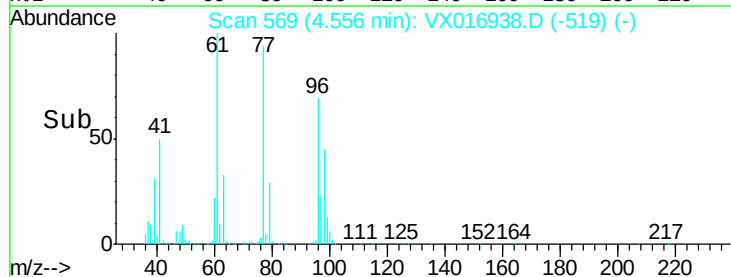
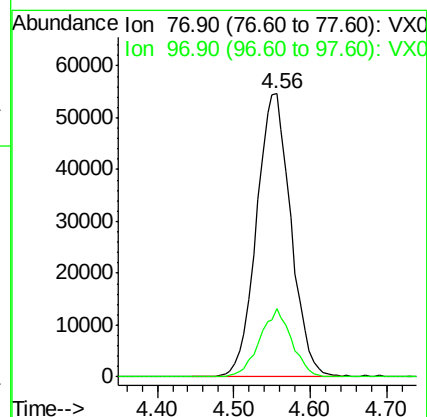
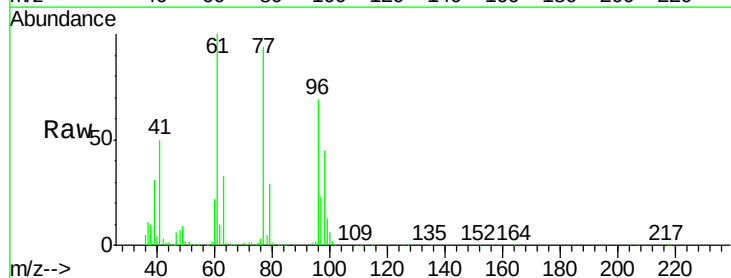
Acq: 23 Jun 2020 18:47

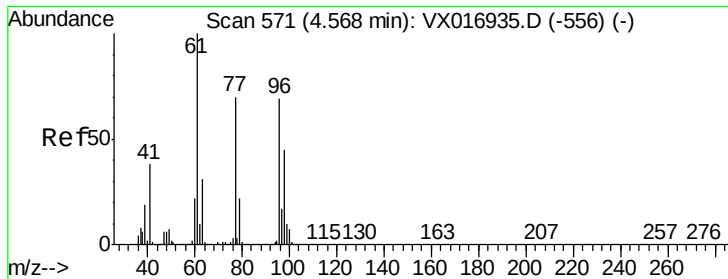
Tgt Ion: 77 Resp: 171030

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9





#27

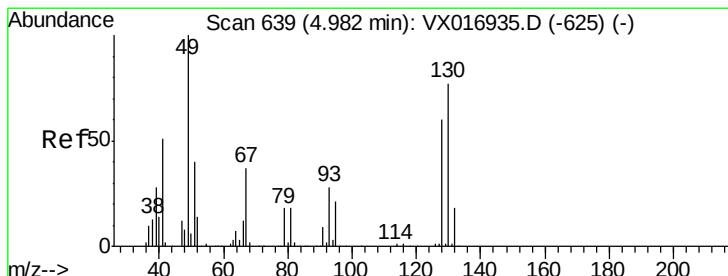
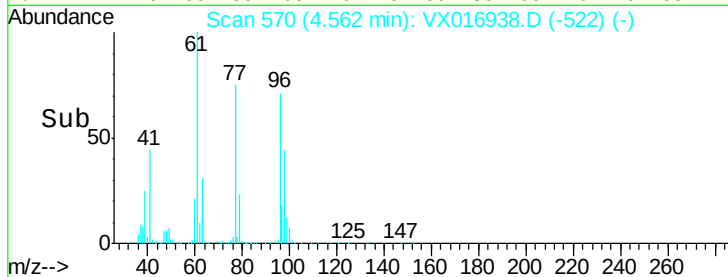
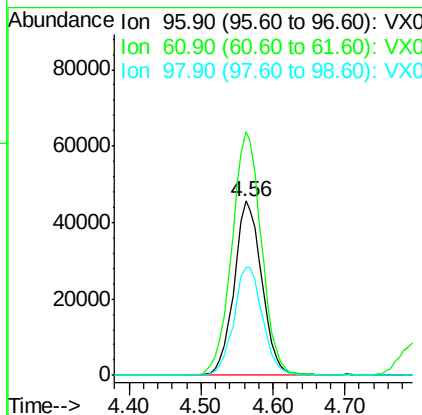
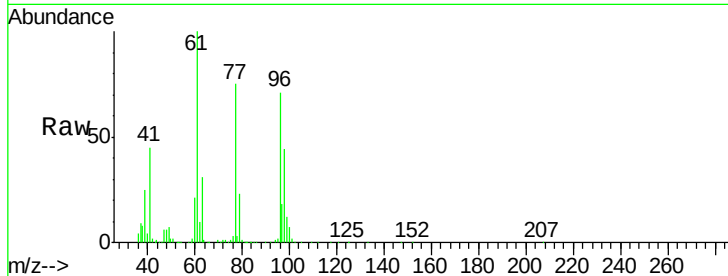
cis-1,2-Dichloroethene
Concen: 41.913 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	312.2
98	64.4	0.0	130.6

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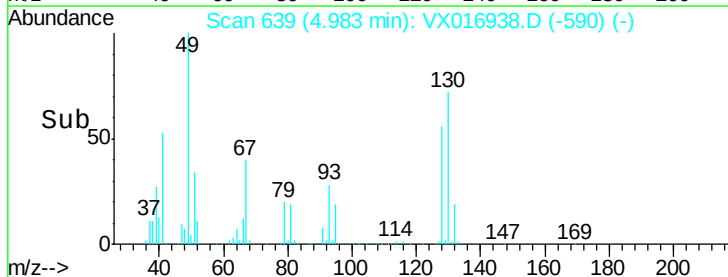
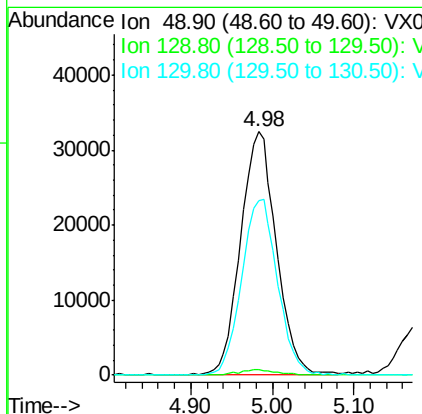
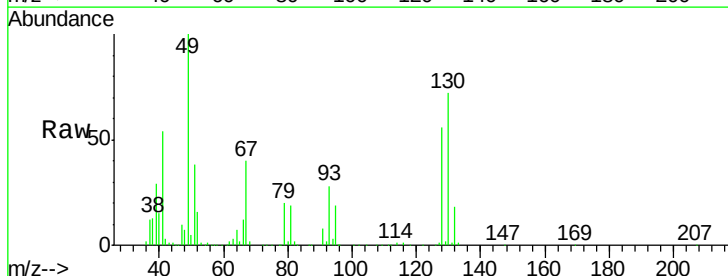
MMDadoda
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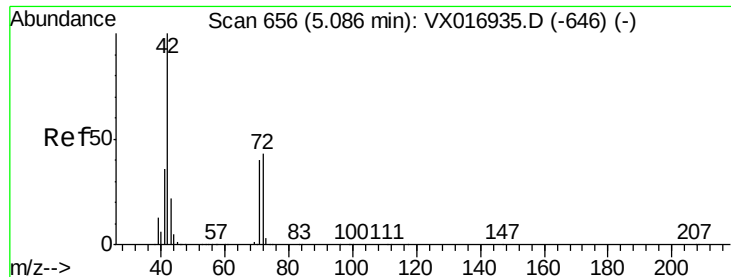


#28

Bromochloromethane
Concen: 38.311 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	72.3	58.7	88.1





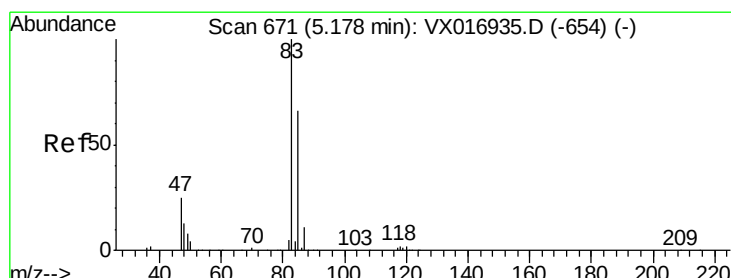
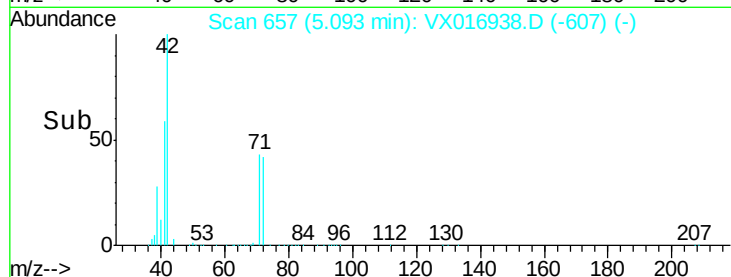
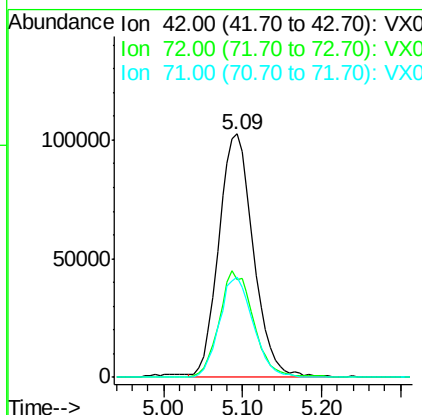
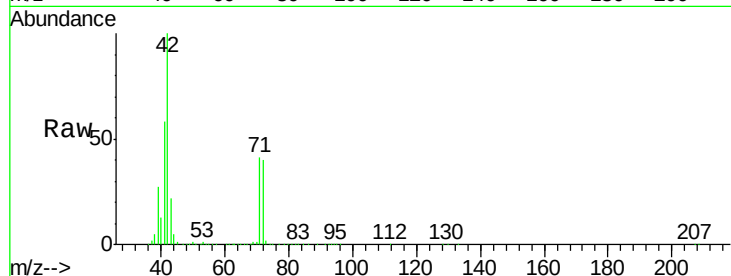
#29
Tetrahydrofuran
Concen: 229.237 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVX062320

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.9	52.3
71	40.9	32.2	48.4

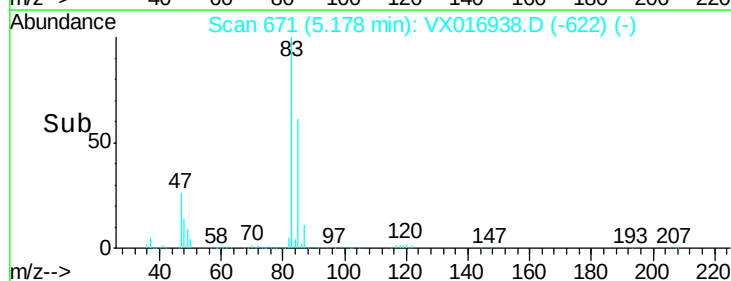
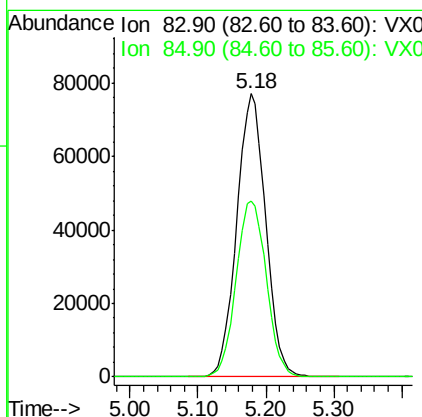
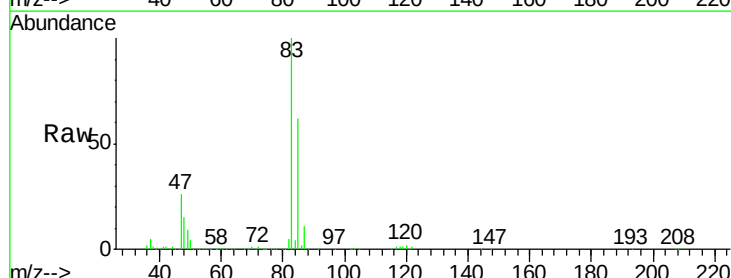
Manual Integrations
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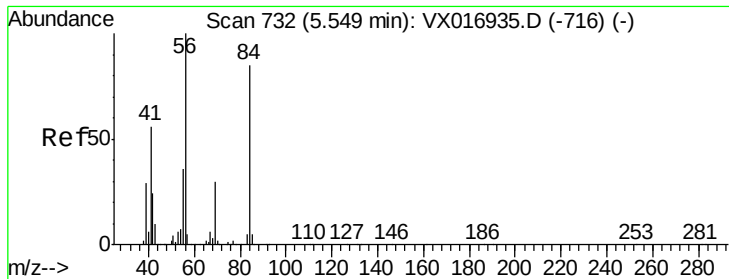
MMDadoda
6/24/2020 10:54:41 AM



#30
Chloroform
Concen: 43.500 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.8	79.2





#31

Cyclohexane

Concen: 49.381 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

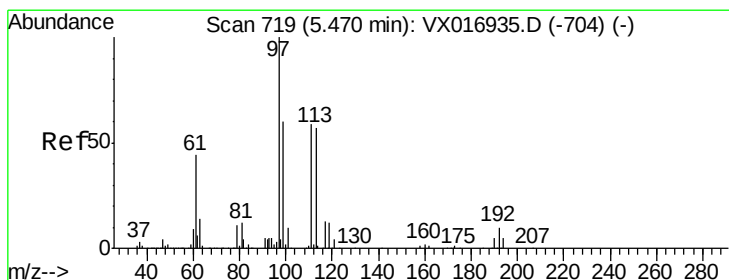
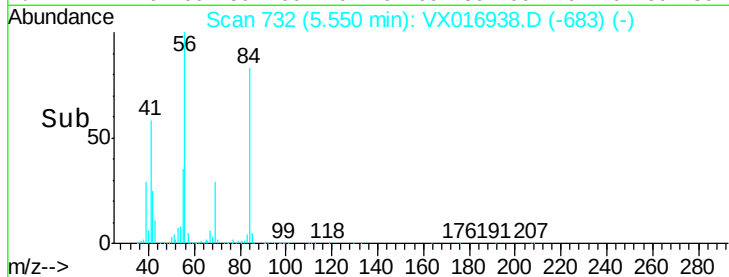
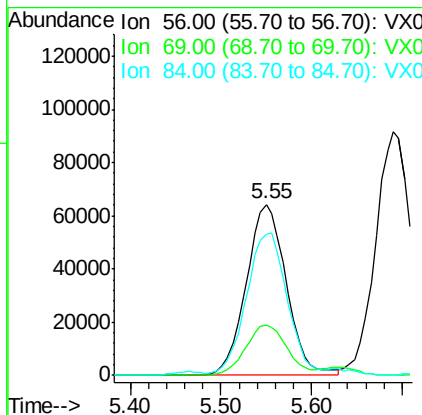
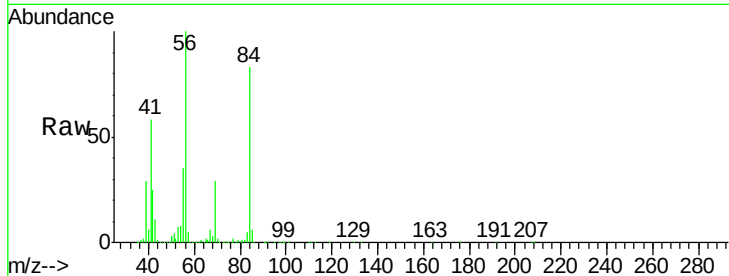
ClientSampleId :

ICVVX062320

Tot Ion:	56	Resp:	195621
Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.4	36.6
84	80.5	67.0	100.6

Manual Integrations
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6/24/2020 10:54:41 AM



#32

1,1,1-Trichloroethane

Concen: 45.915 ug/l

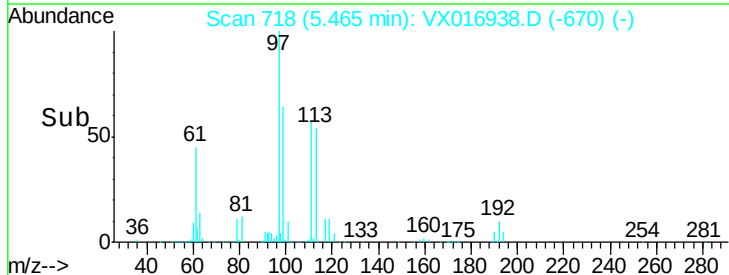
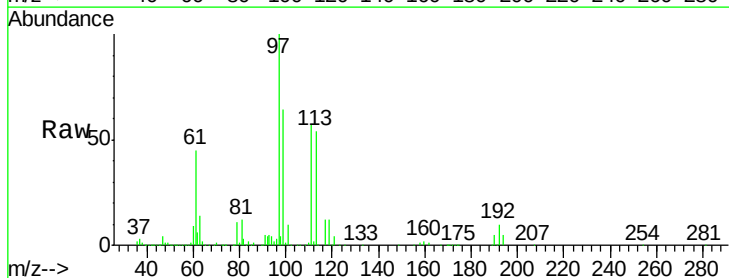
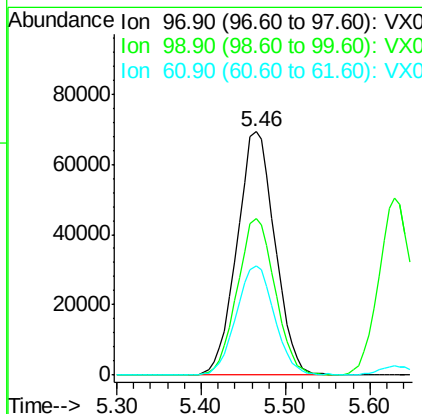
RT: 5.46 min Scan# 718

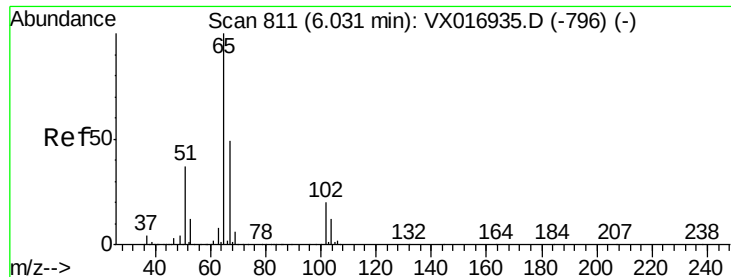
Delta R.T. -0.01 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Tgt Ion:	97	Resp:	210861
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	45.3	36.1	54.1





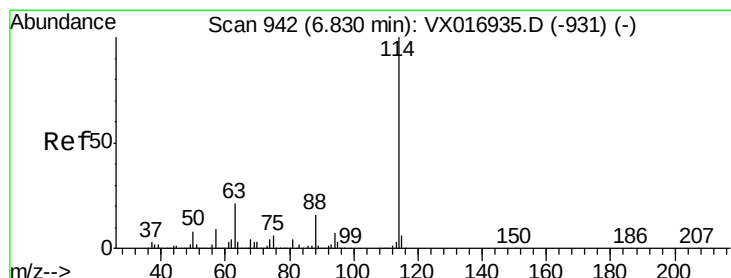
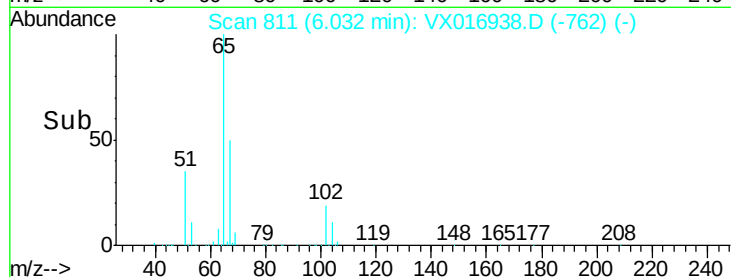
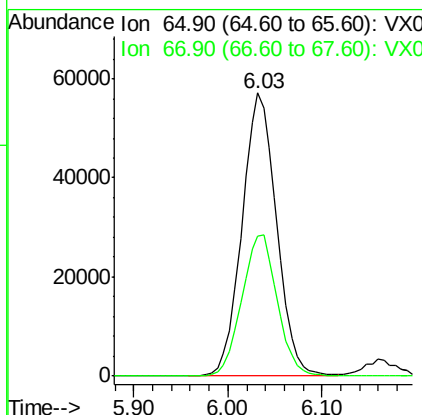
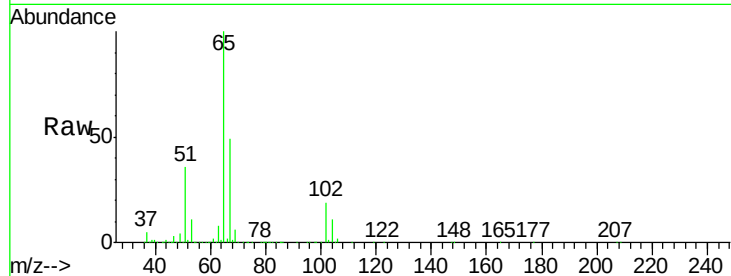
#33
 1,2-Dichloroethane-d4
 Concen: 43.835 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX062320

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.6

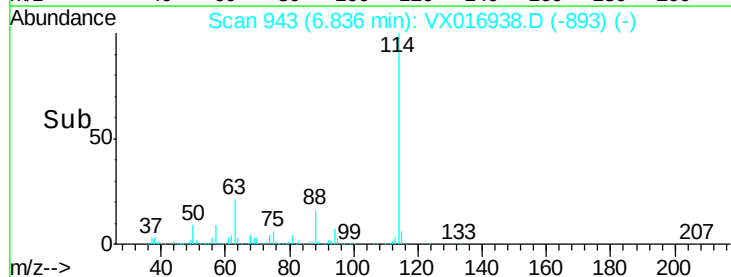
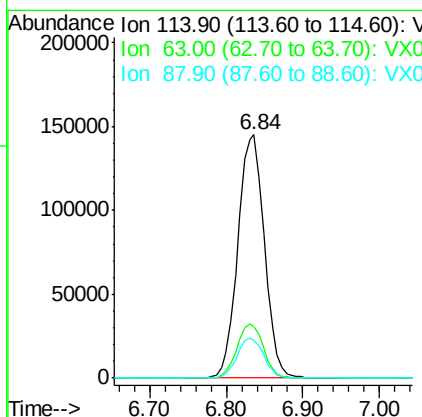
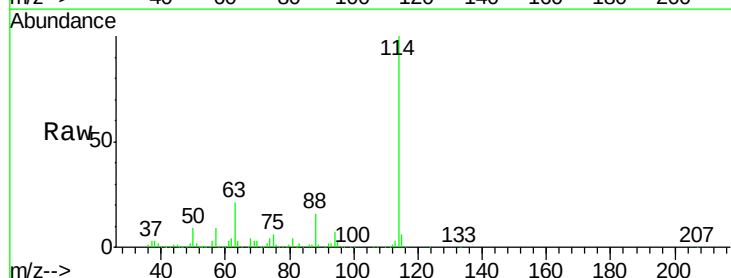
Manual Integrations
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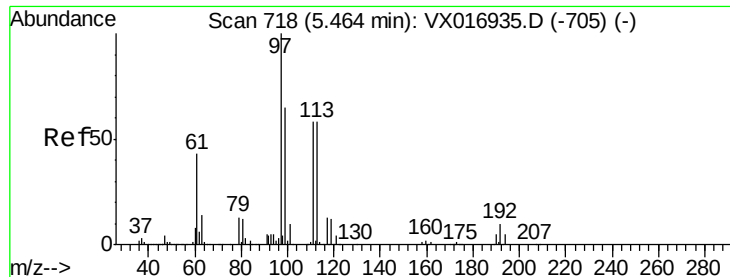
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.4
88	15.7	0.0	32.4





#35

Dibromofluoromethane

Concen: 45.591 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

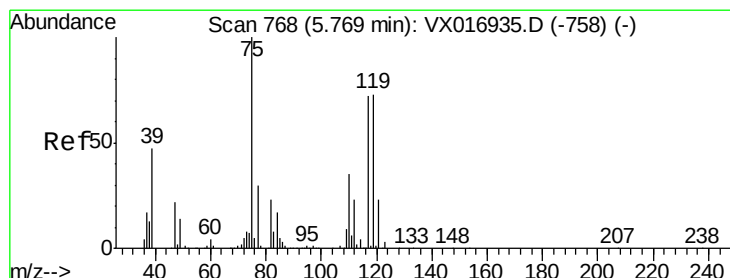
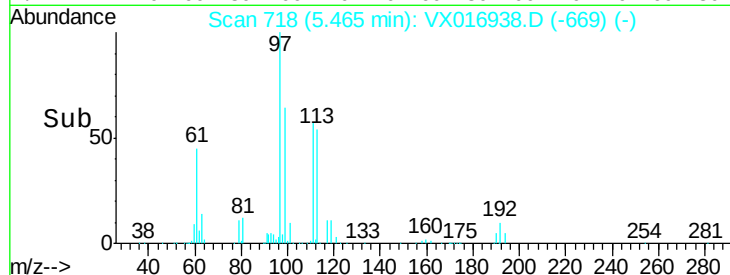
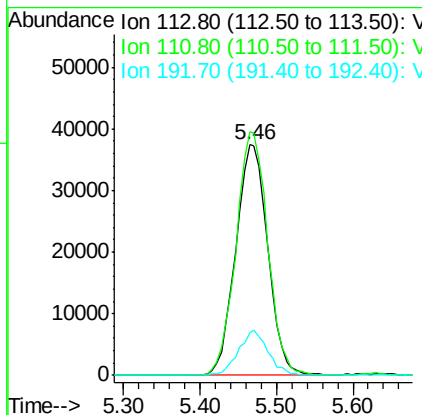
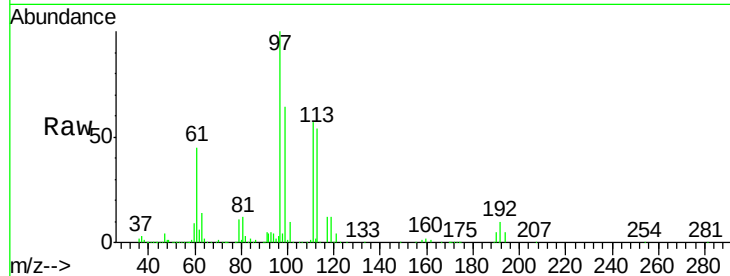
ClientSampleId :

ICVVX062320

Tot Ion:	113	Resp:	108704
Ion Ratio	Lower	Upper	
113	100		
111	104.6	83.4	125.0
192	18.1	14.6	22.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.802 ug/l

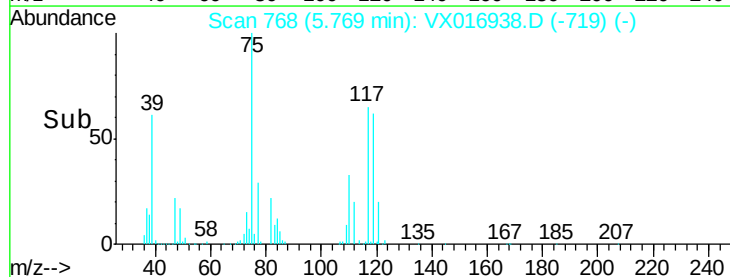
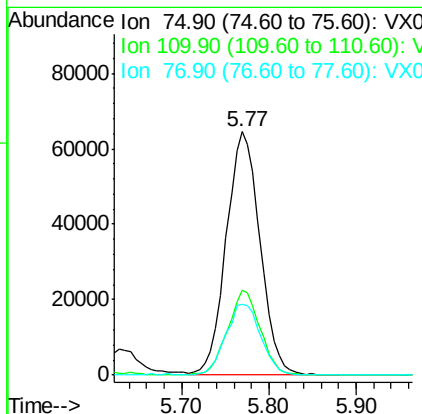
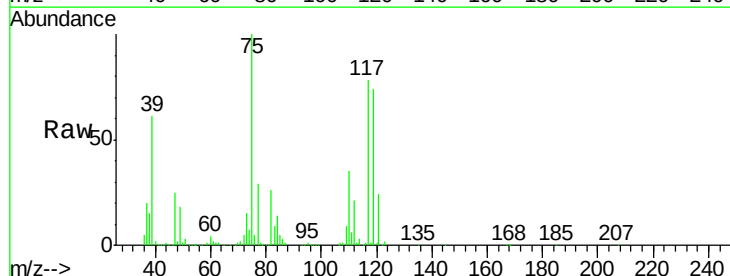
RT: 5.77 min Scan# 768

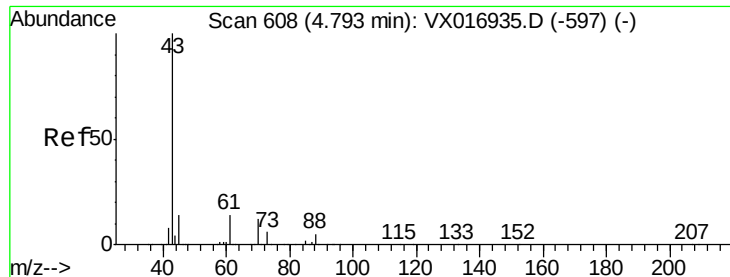
Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Tgt Ion:	75	Resp:	172141
Ion Ratio	Lower	Upper	
75	100		
110	34.0	17.1	51.3
77	30.4	24.9	37.3





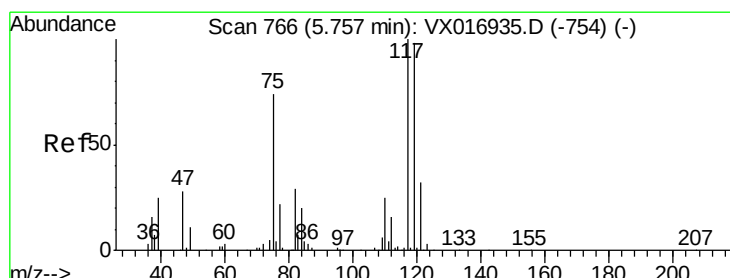
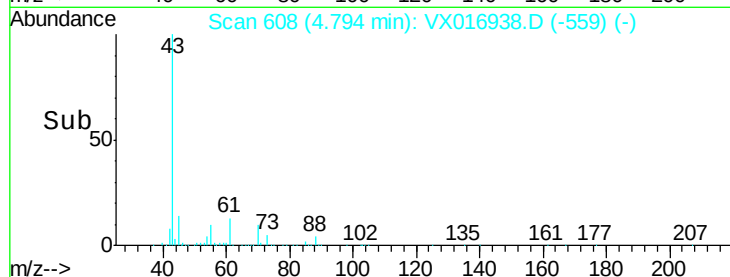
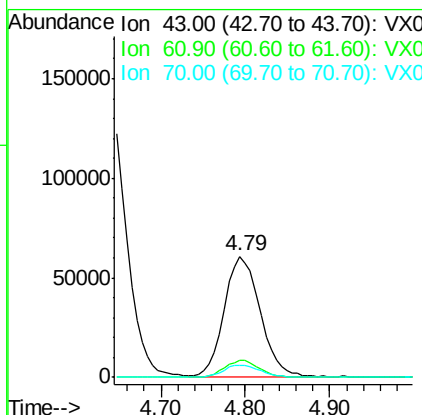
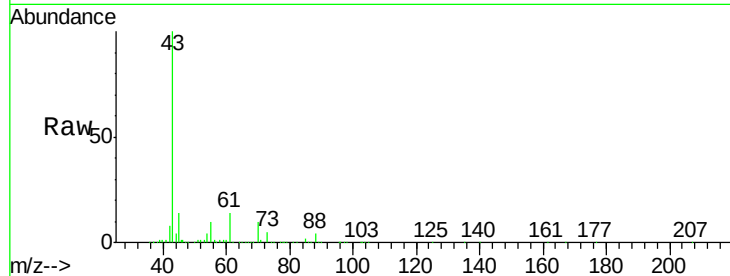
#37
Ethyl Acetate
Concen: 48.210 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVX062320

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.5	8.9	13.3

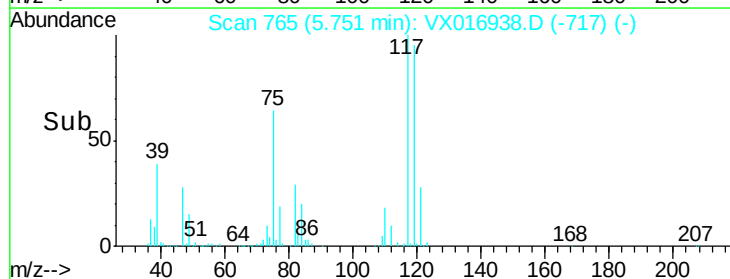
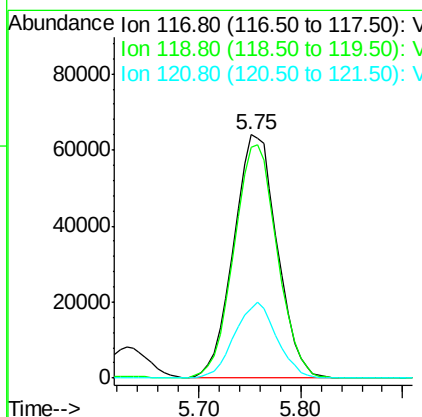
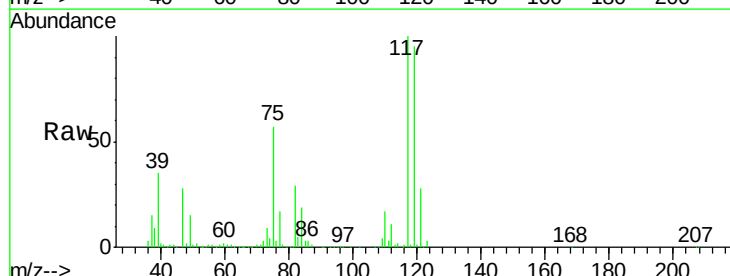
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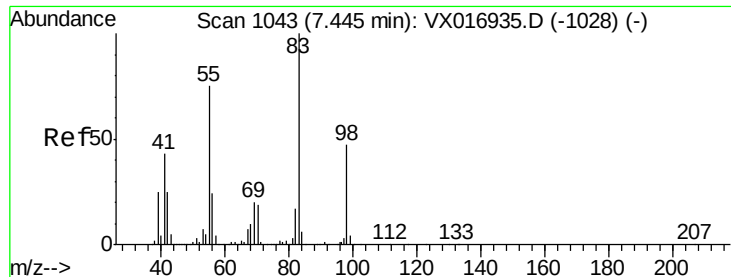
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#38
Carbon Tetrachloride
Concen: 53.124 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.2	117.2
121	28.3	25.0	37.6





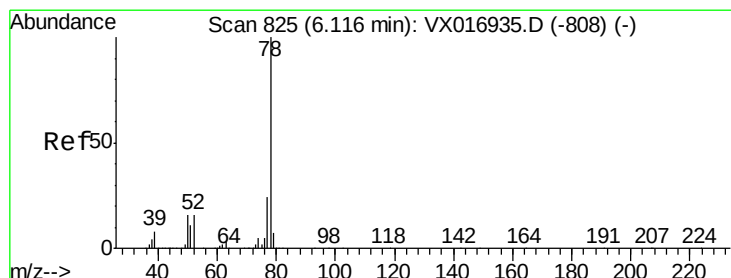
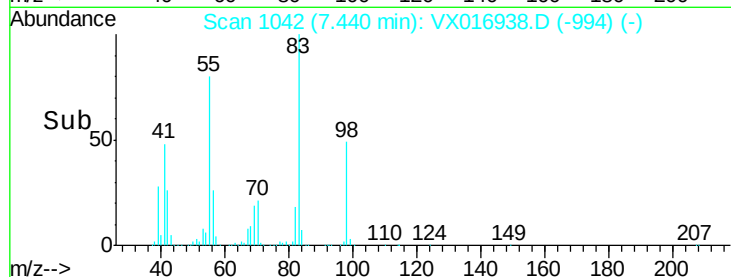
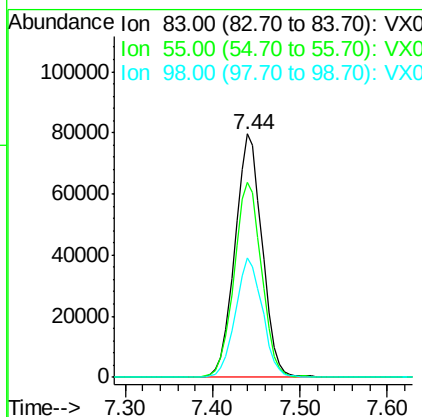
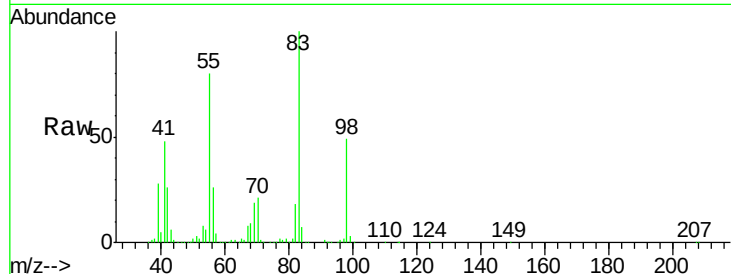
#39
Methylvlcyclohexane
Concen: 46.972 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	Ratio	Resp	Lower	Upper
83	100	172026		
55	79.9		59.9	89.9
98	49.1		37.3	55.9

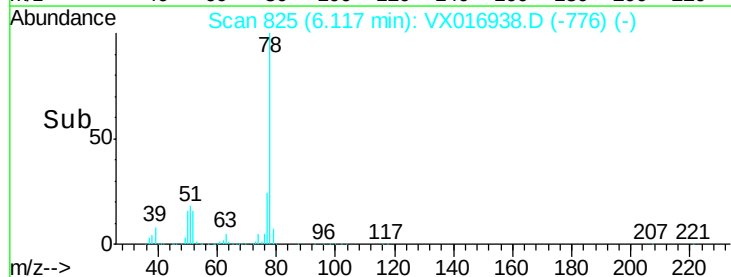
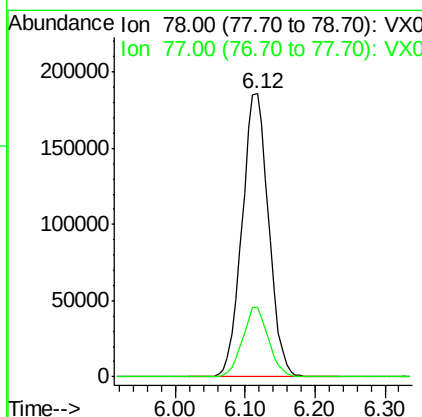
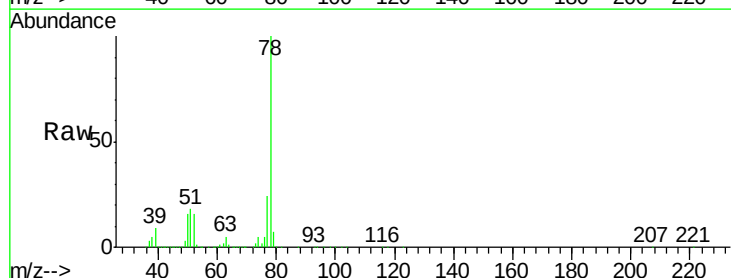
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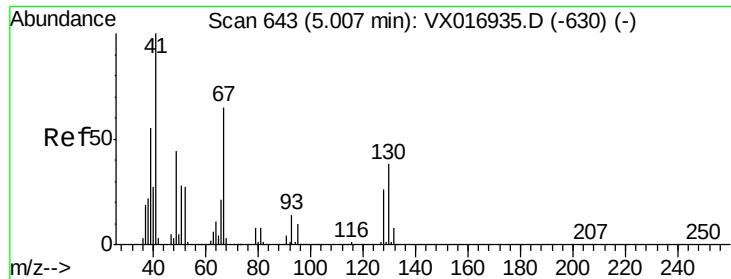
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#40
Benzene
Concen: 51.565 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	490955		
77	24.5		19.1	28.7





#41

Methacrylonitrile

Concen: 48.028 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

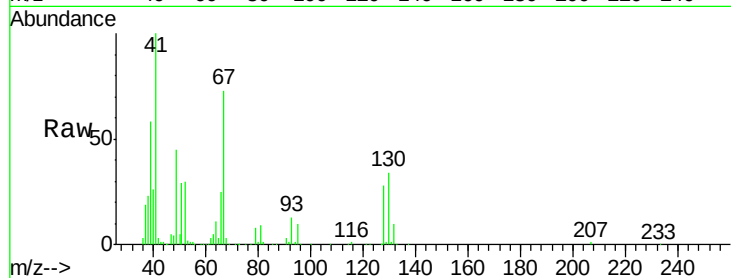
ICVX062320

Tot Ion: 41 Resp: 102153

Ion	Ratio	Lower	Upper
41	100		
39	58.5	44.2	66.2
67	72.6	55.1	82.7
52	29.6	22.6	34.0

Manual Integrations
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MMDadoda
6/24/2020 10:54:41 AM

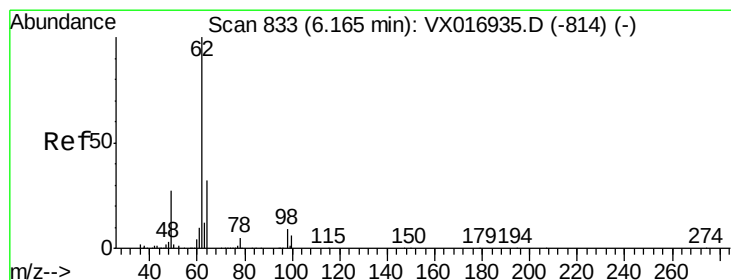
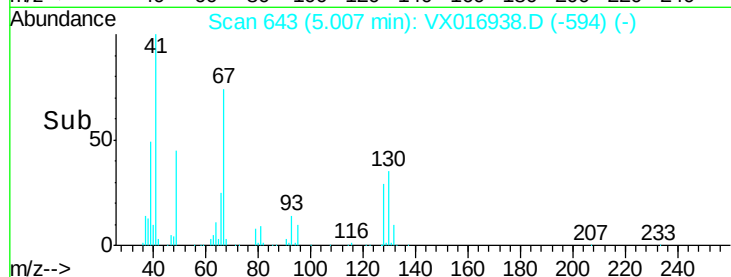
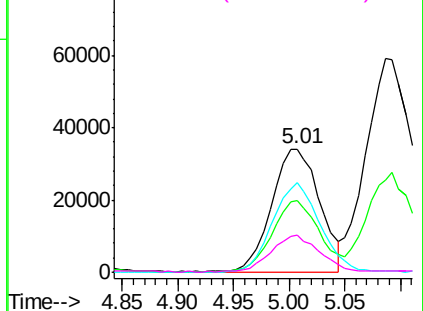


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 49.766 ug/l

RT: 6.17 min Scan# 833

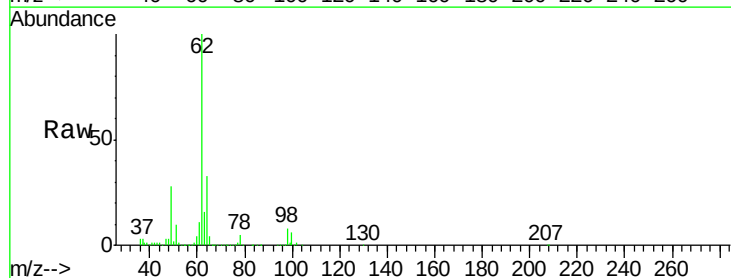
Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

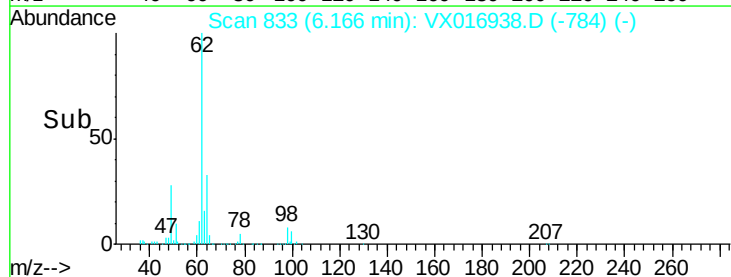
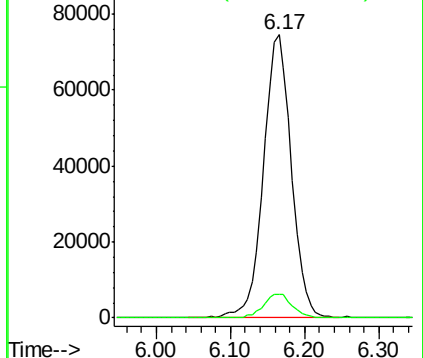
Tgt Ion: 62 Resp: 194489

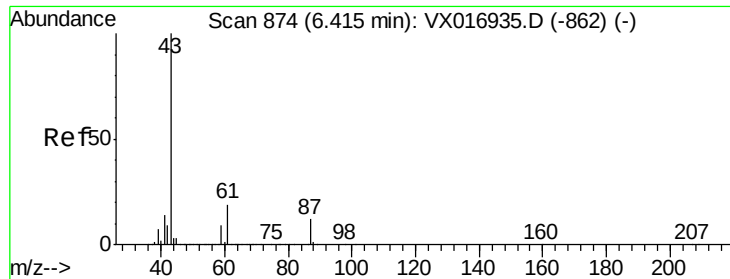
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 54.381 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

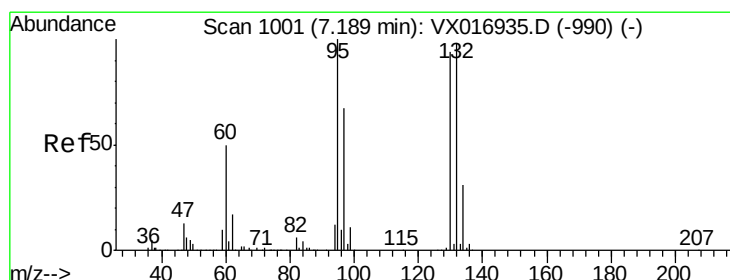
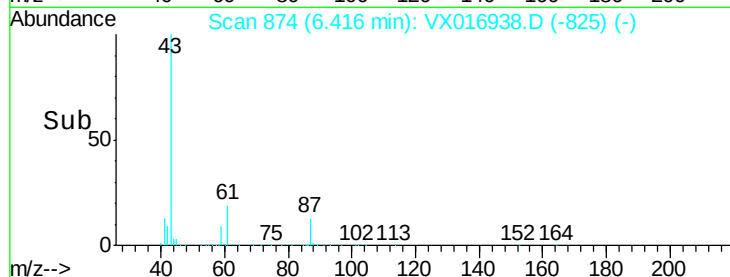
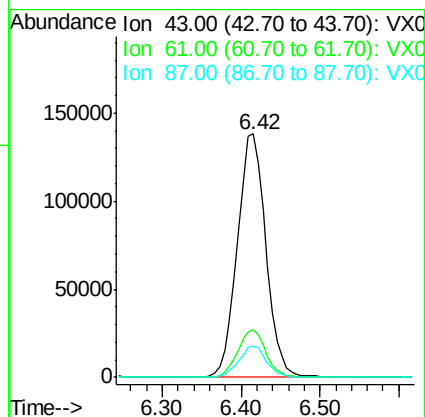
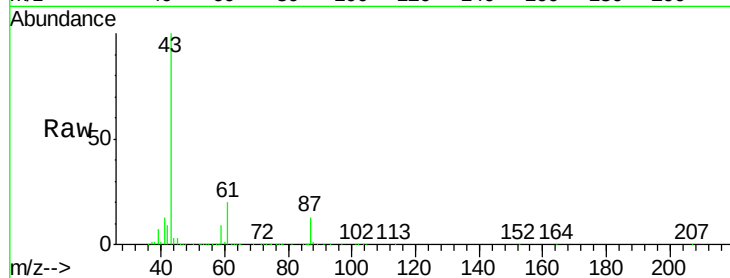
ClientSampleId :

ICVX062320

Tot Ion:	43	Resp:	345949
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	12.7	10.2	15.2

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#44

Trichloroethene

Concen: 50.131 ug/l

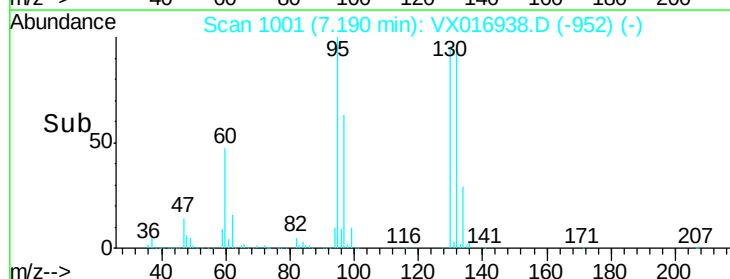
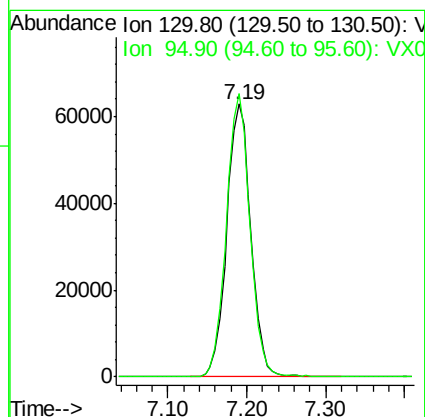
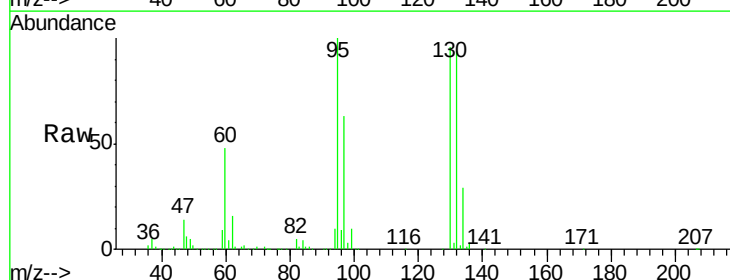
RT: 7.19 min Scan# 1001

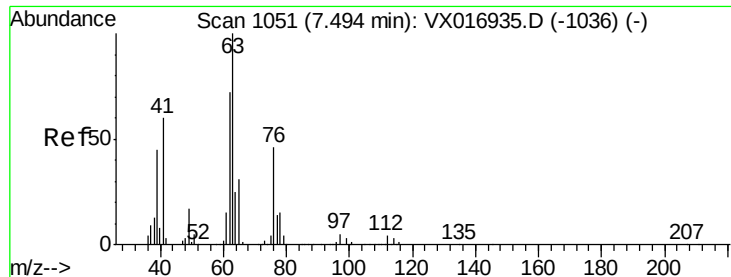
Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Tgt Ion:	130	Resp:	133602
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	213.2





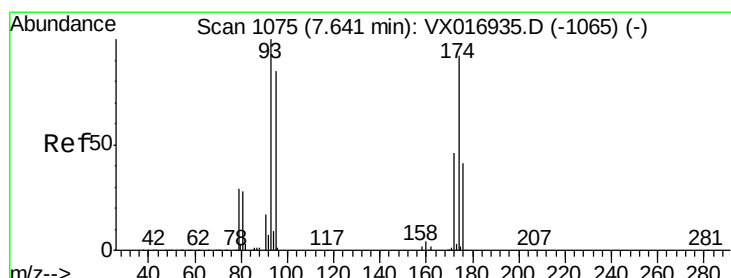
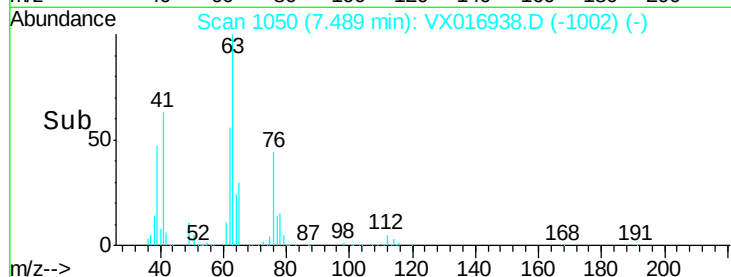
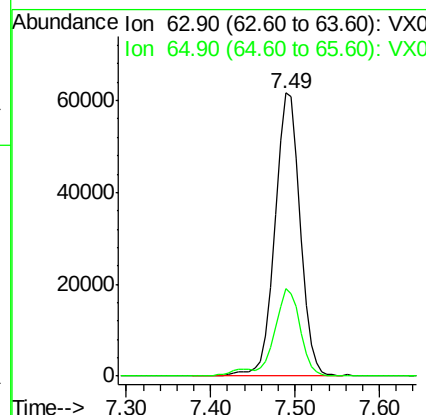
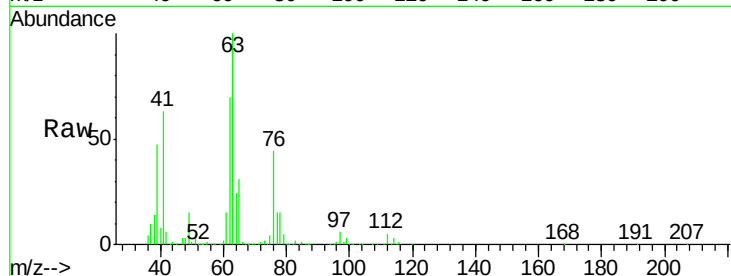
#45
 1,2-Dichloropropane
 Concen: 48.700 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX062320

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.4	36.6

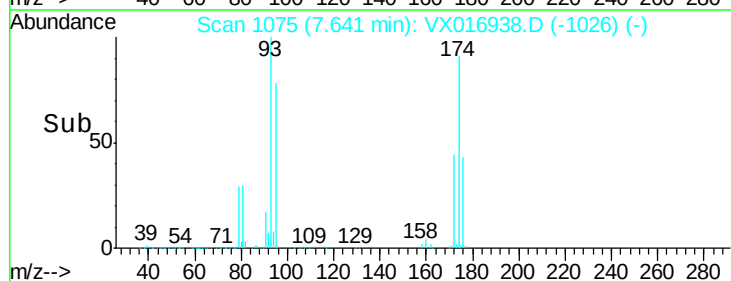
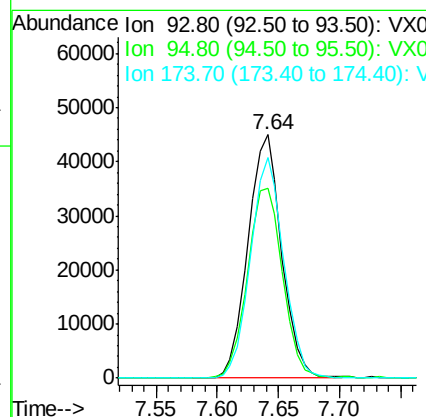
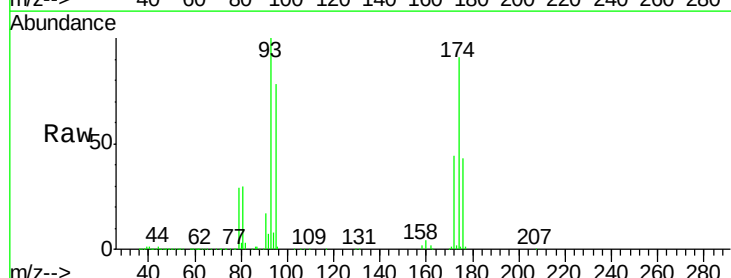
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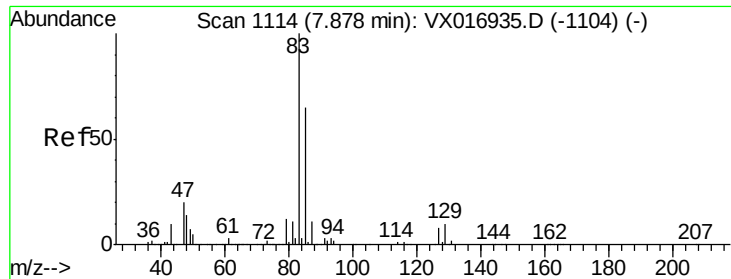
MMDadoda
 6/24/2020 10:54:41 AM



#46
 Dibromomethane
 Concen: 47.225 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	66.3	99.5
174	89.6	71.1	106.7





#47

Bromodichloromethane

Concen: 52.107 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

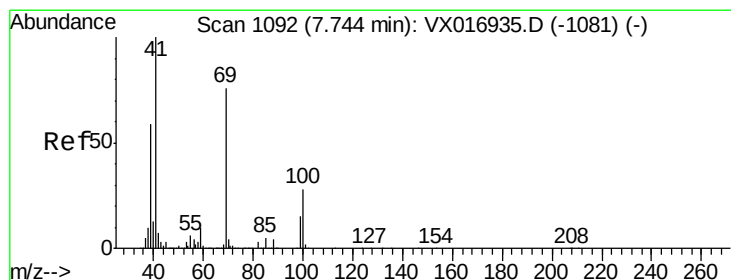
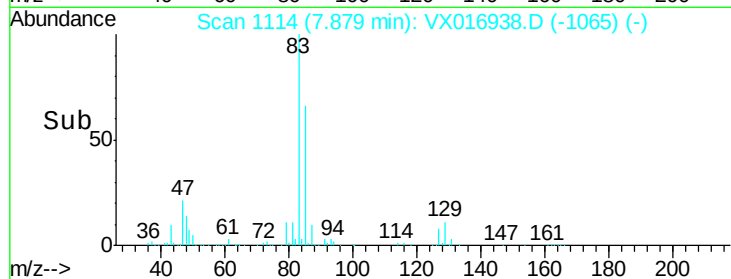
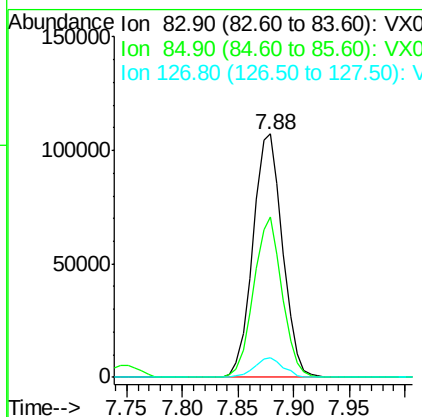
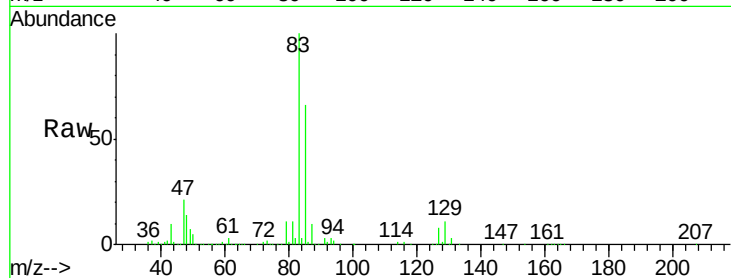
ClientSampleId :

ICVVX062320

Tot Ion:	83	Resp:	199244
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6
127	8.2	6.7	10.1

Manual Integrations
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MMDadoda
6/24/2020 10:54:41 AM



#48

Methyl methacrylate

Concen: 51.204 ug/l

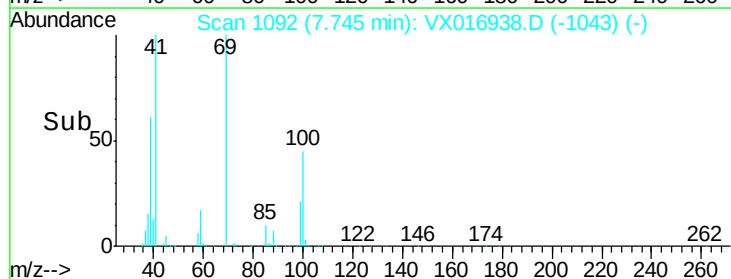
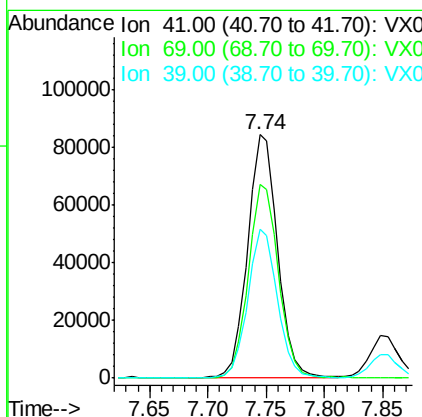
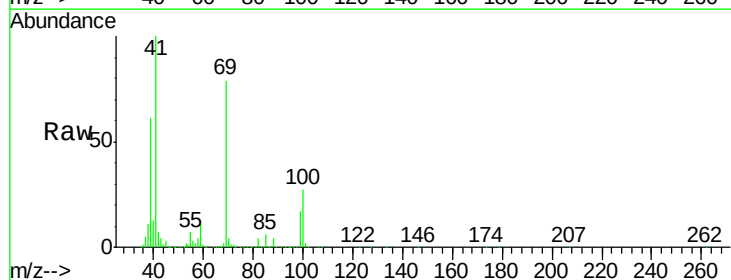
RT: 7.74 min Scan# 1092

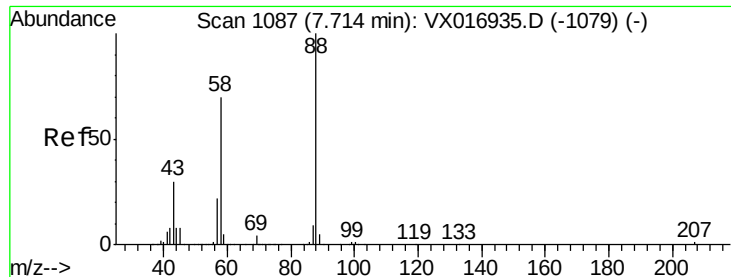
Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Tgt Ion:	41	Resp:	151464
Ion	Ratio	Lower	Upper
41	100		
69	80.0	62.5	93.7
39	60.5	49.1	73.7





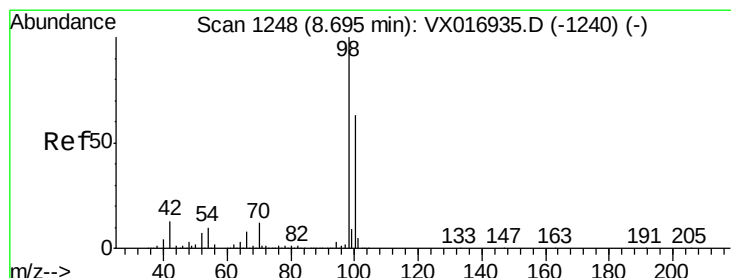
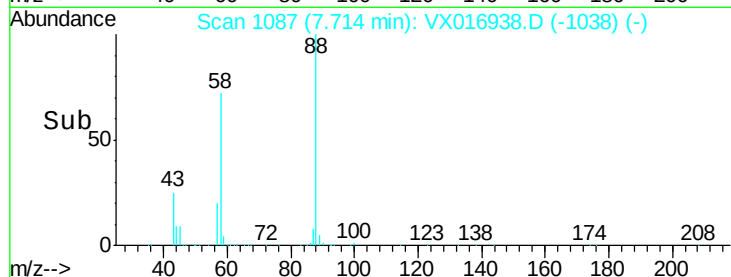
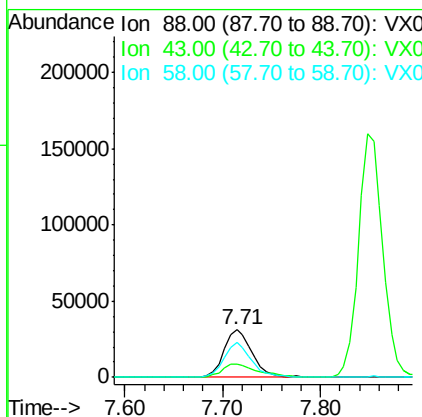
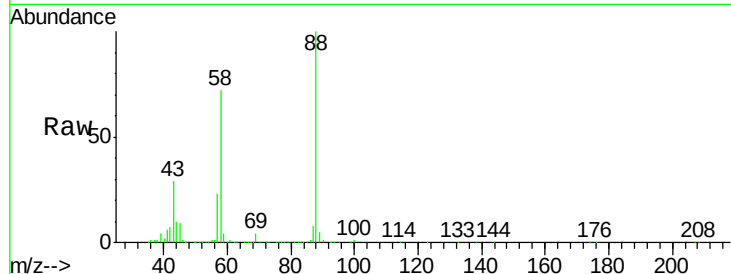
#49
1,4-Dioxane
Concen: 967.735 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.3	40.9
58	72.5	57.4	86.0

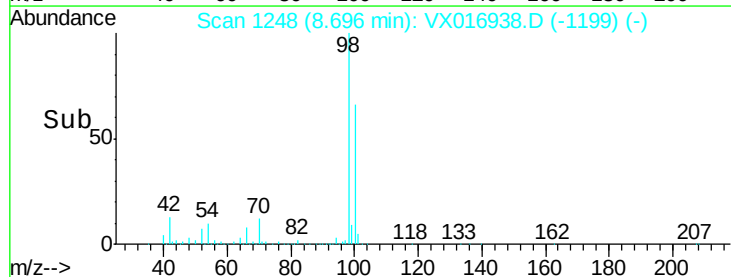
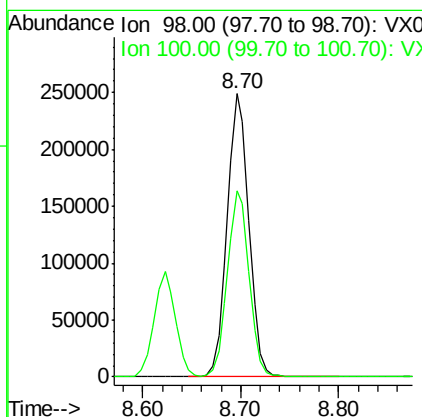
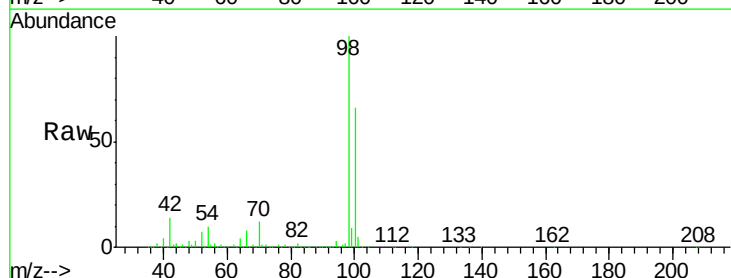
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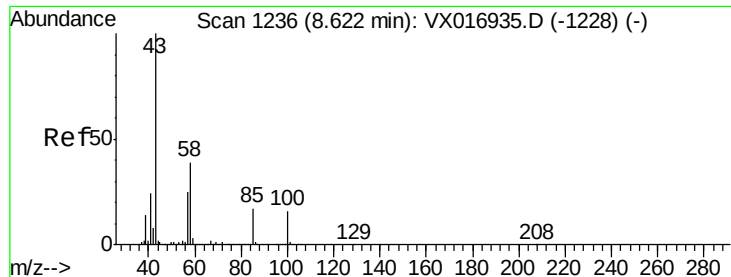
MMDadoda
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#50
Toluene-d8
Concen: 45.314 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.3	78.5





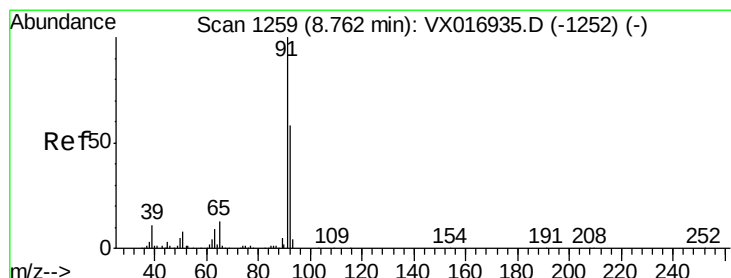
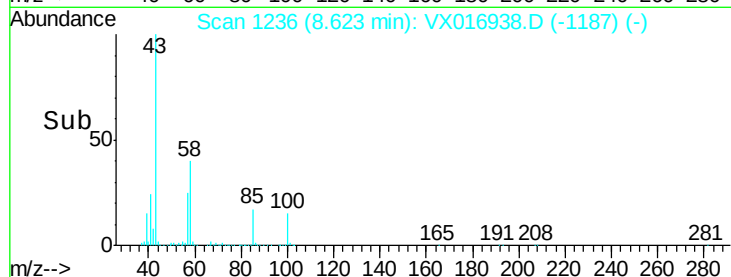
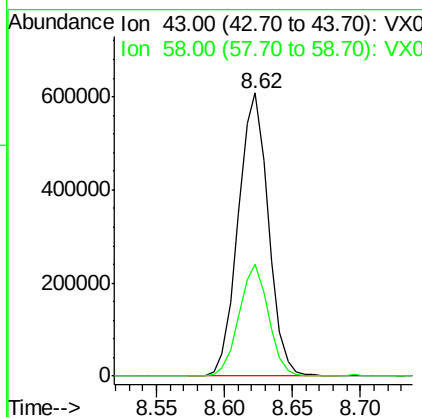
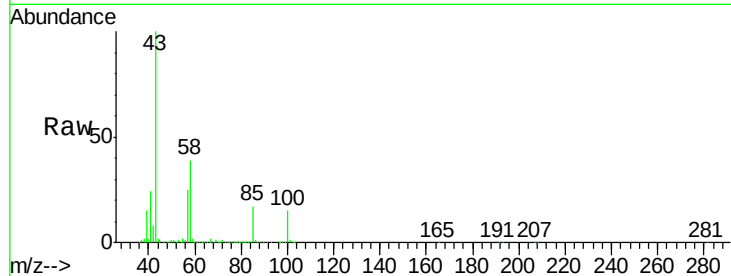
#51
 4-Methyl-2-Pentanone
 Concen: 254.057 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX062320

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.6	46.0

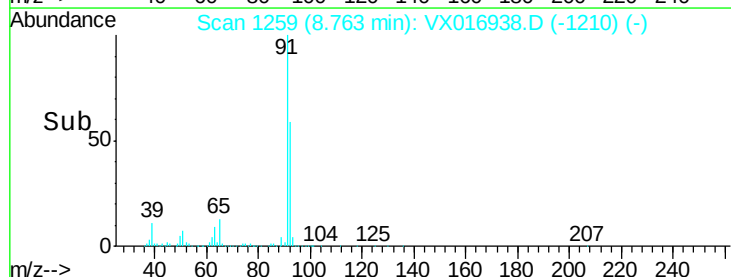
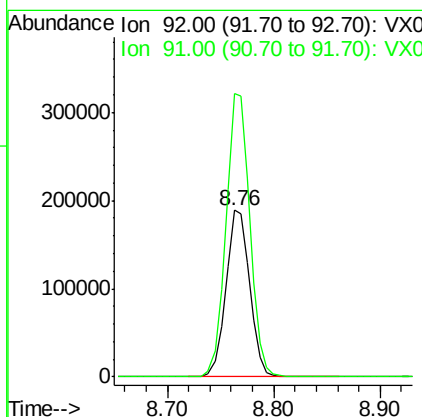
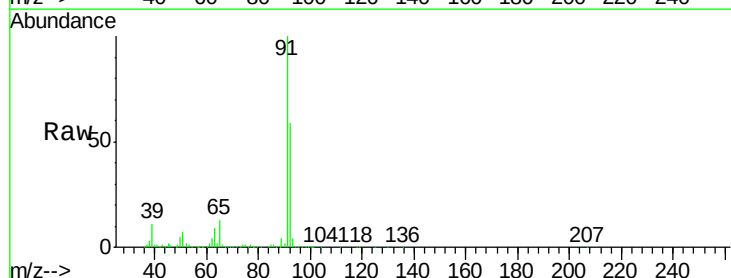
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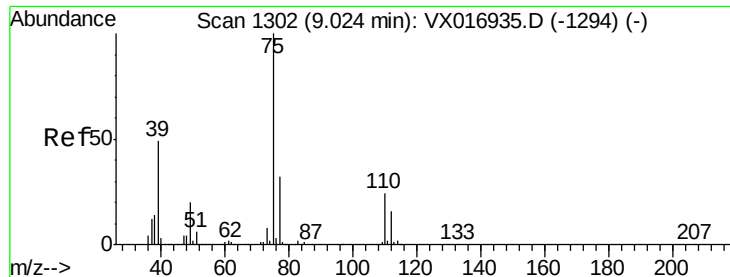
MMDadoda
 6/24/2020 10:54:41 AM



#52
 Toluene
 Concen: 50.415 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.4	206.0





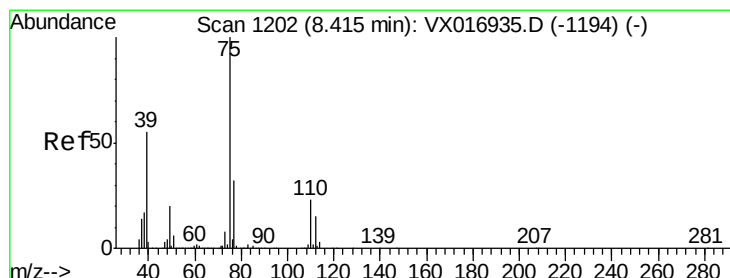
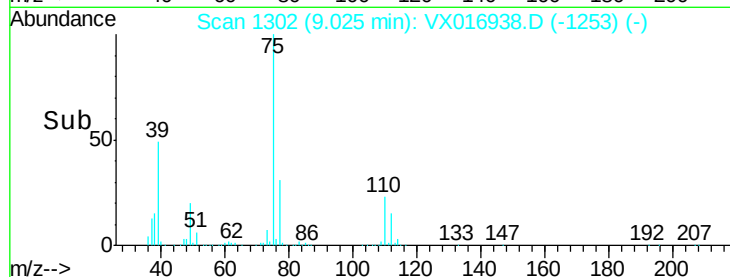
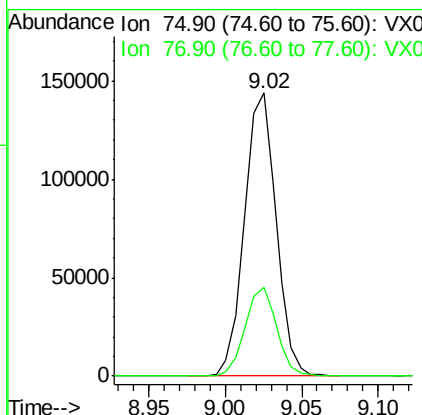
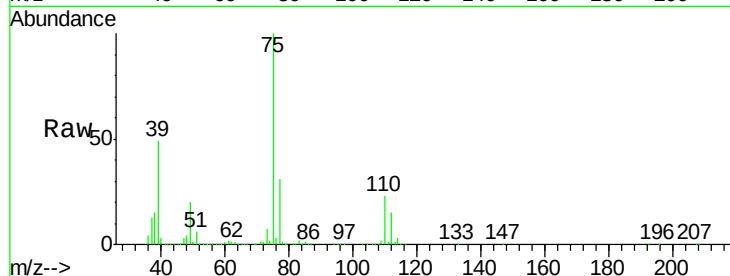
#53
t-1,3-Dichloropropene
Concen: 46.869 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5

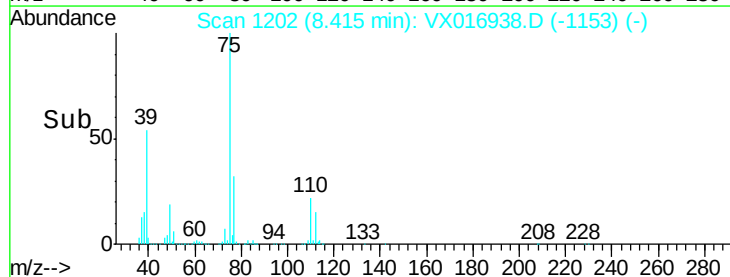
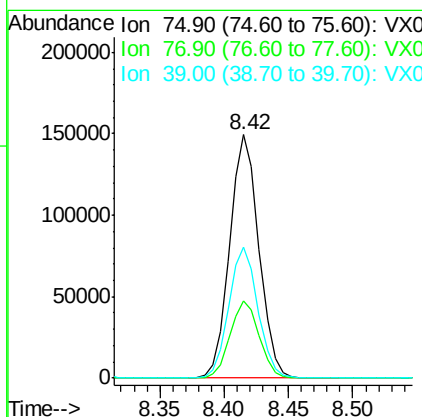
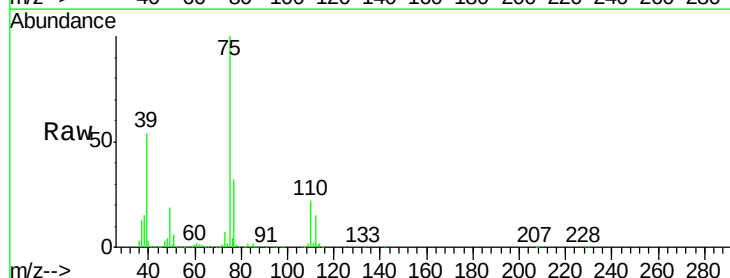
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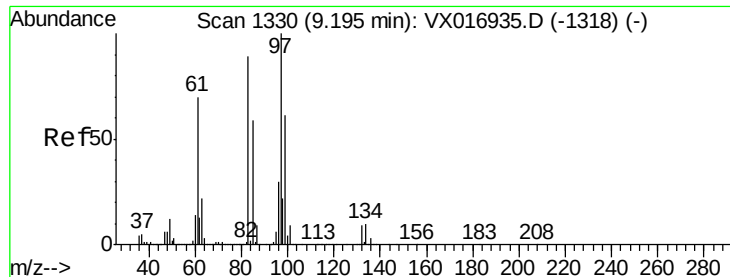
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.652 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	53.7	44.4	66.6





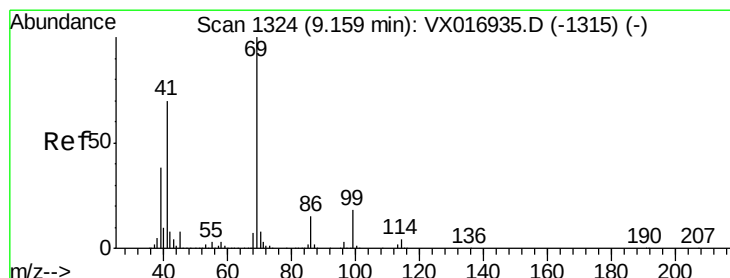
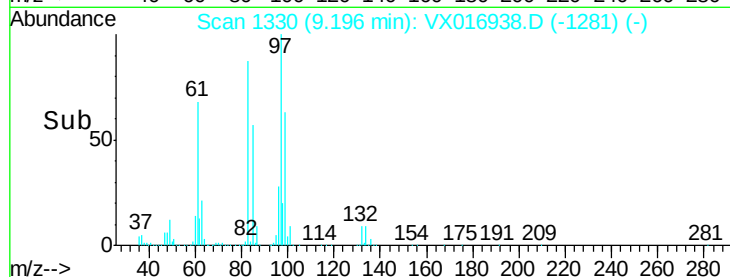
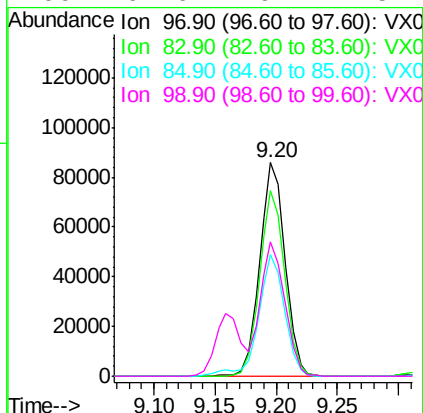
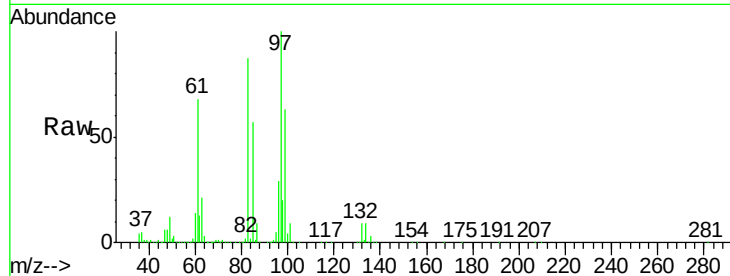
#55
 1,1,2-Trichloroethane
 Concen: 47.144 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX062320

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		124877		
83	87.0	71.3	106.9		
85	56.7	47.4	71.2		
99	62.6	49.1	73.7		

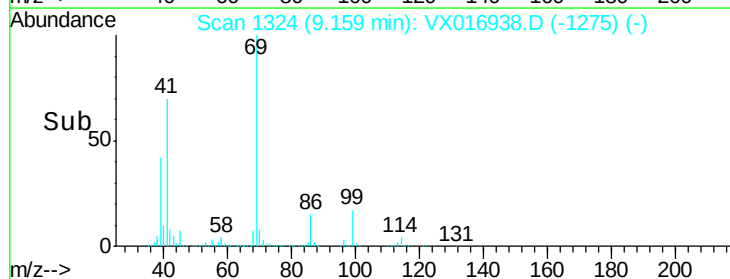
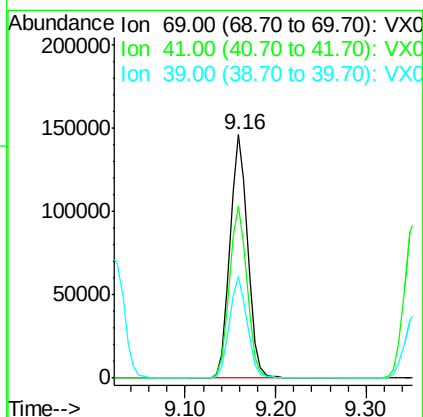
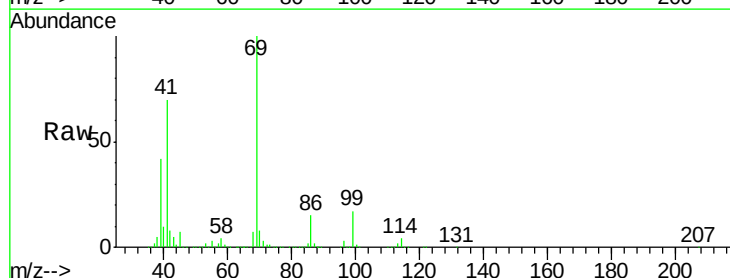
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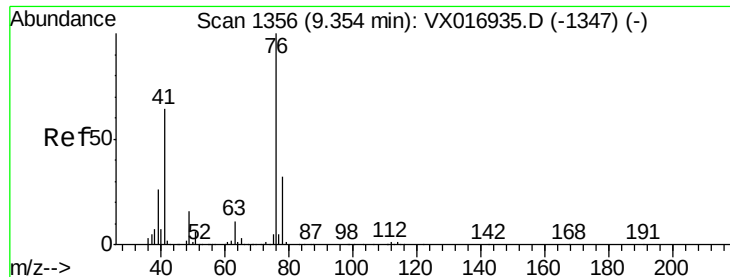
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#56
 Ethyl methacrylate
 Concen: 47.956 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		196754		
41	70.2	56.6	84.8		
39	41.7	31.8	47.8		





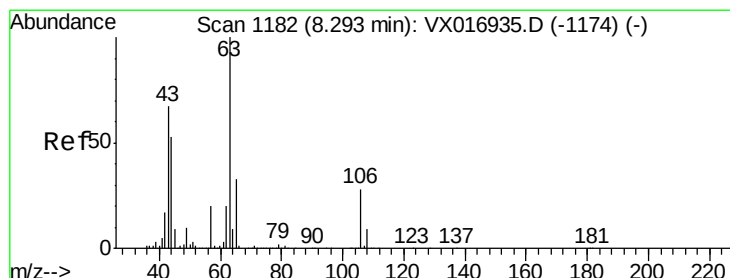
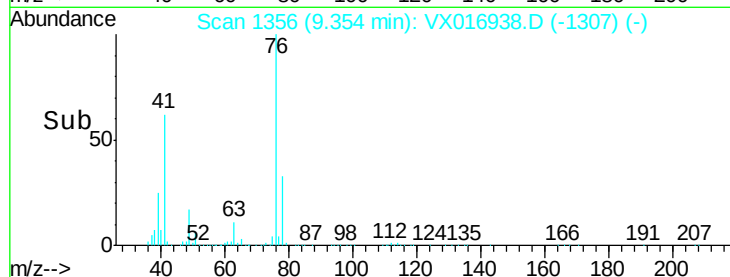
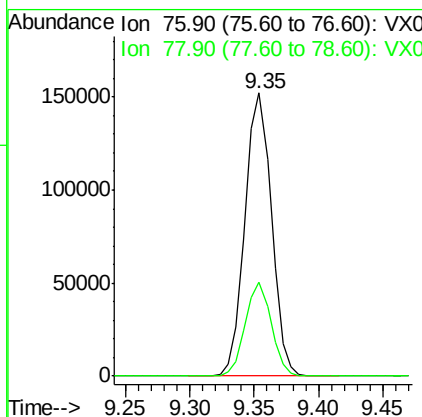
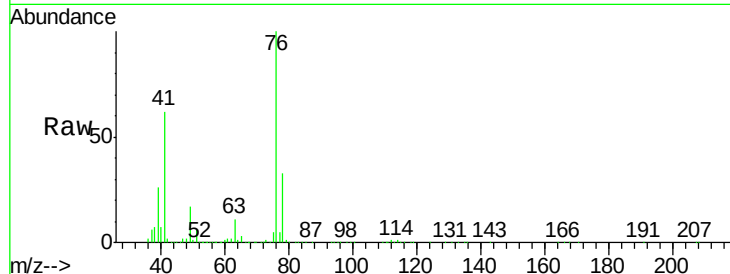
#57
 1,3-Dichloropropane
 Concen: 48.809 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX062320

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

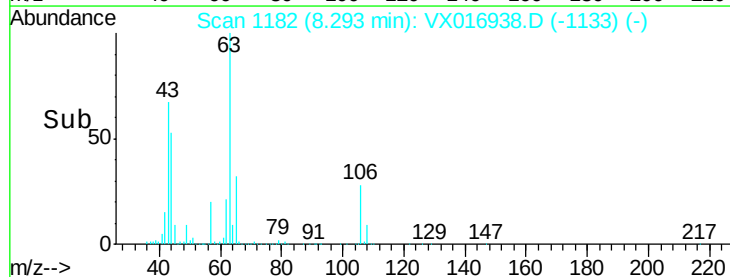
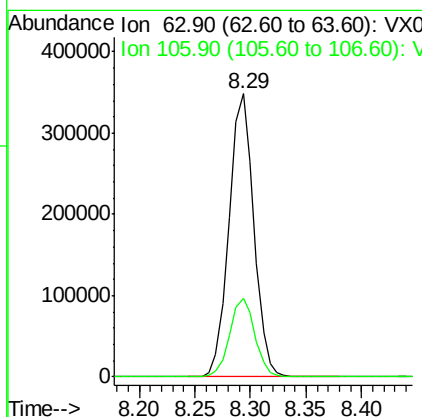
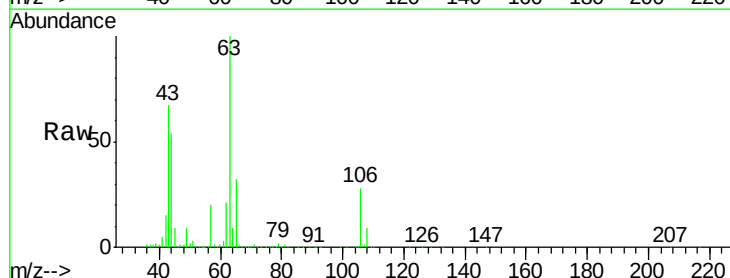
Manual Integrations
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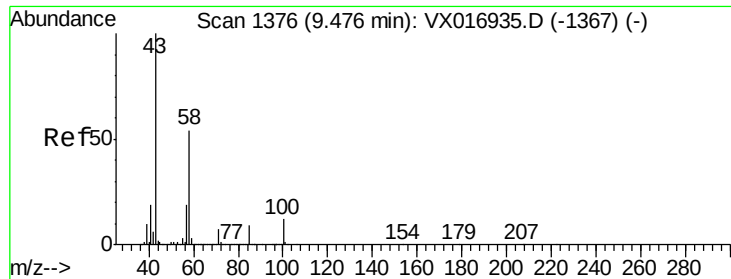
MMDadoda
 6/24/2020 10:54:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 318.808 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6





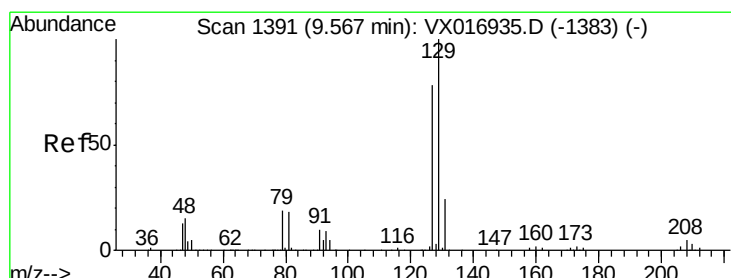
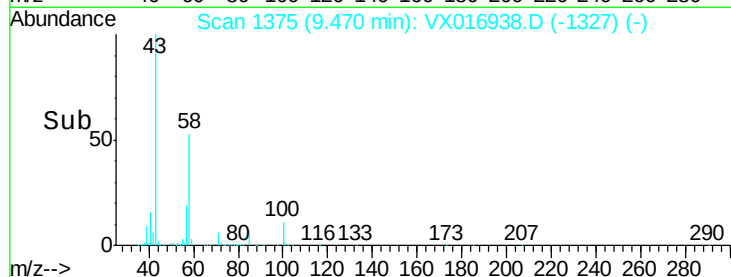
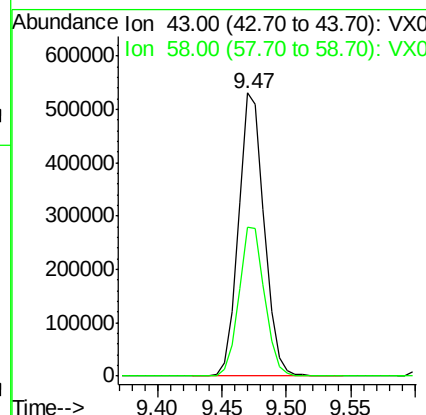
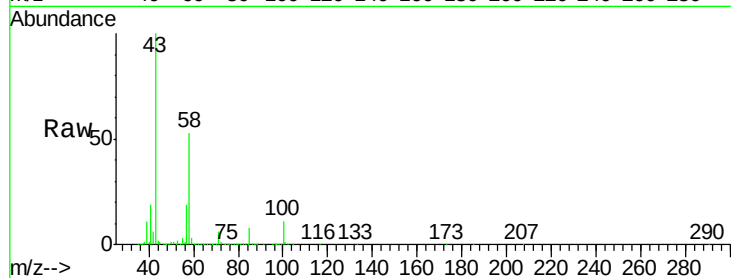
#59
2-Hexanone
Concen: 257.597 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion: 43 Resp: 730927
Ion Ratio Lower Upper
43 100
58 53.0 26.8 80.4

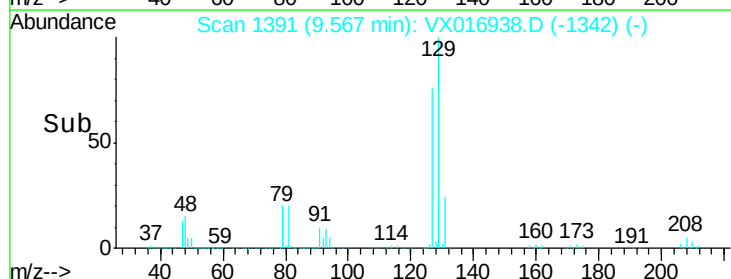
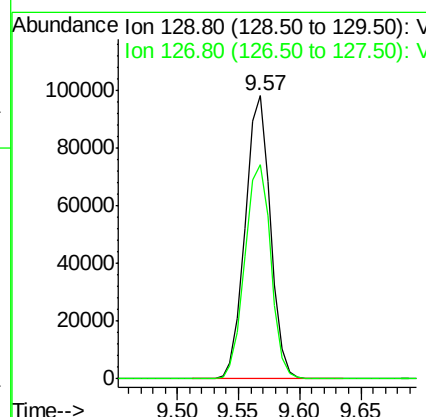
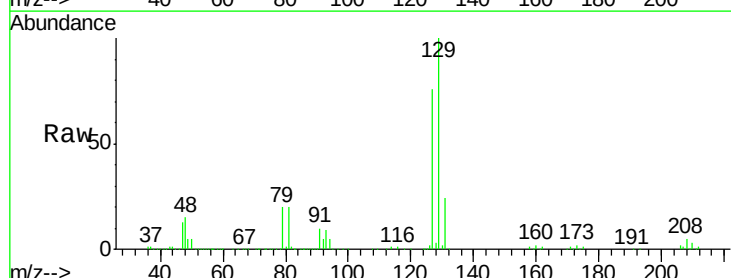
Manual Integrations
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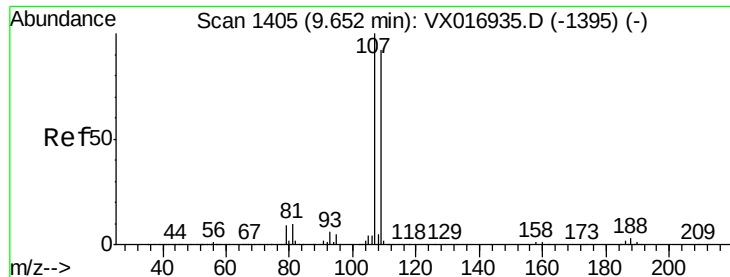
MMDadoda
6/24/2020 10:54:41 AM



#60
Dibromochloromethane
Concen: 48.274 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion: 129 Resp: 139875
Ion Ratio Lower Upper
129 100
127 78.5 39.2 117.6





#61

1,2-Dibromoethane

Concen: 50.406 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion: 107 Resp: 137463

Ion Ratio Lower Upper

107 100

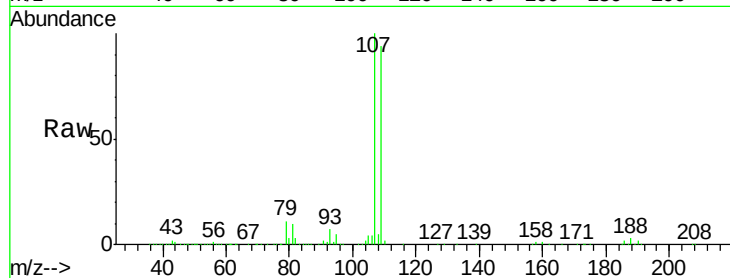
109 92.0 73.8 110.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

100000

80000

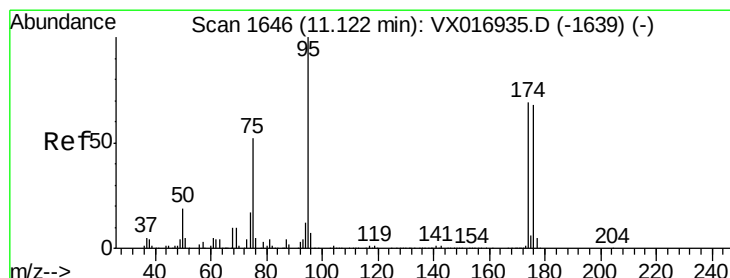
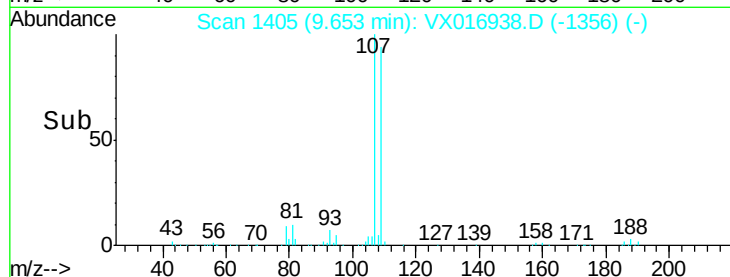
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.179 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

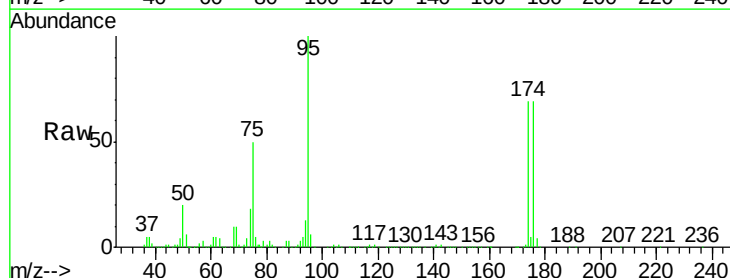
Tgt Ion: 95 Resp: 176737

Ion Ratio Lower Upper

95 100

174 69.1 0.0 138.0

176 66.7 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

200000

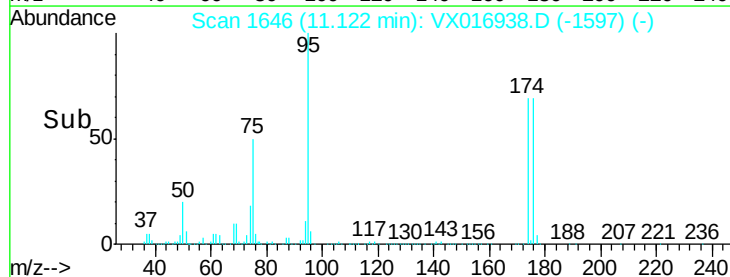
150000

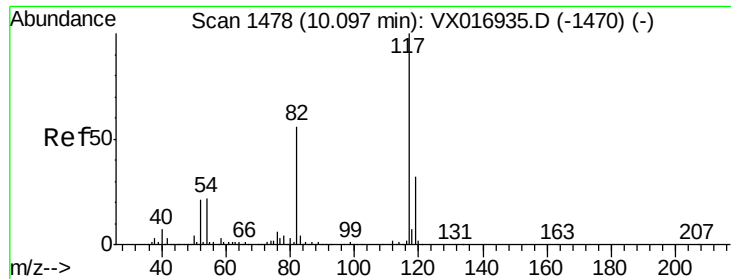
100000

50000

0

Time-->





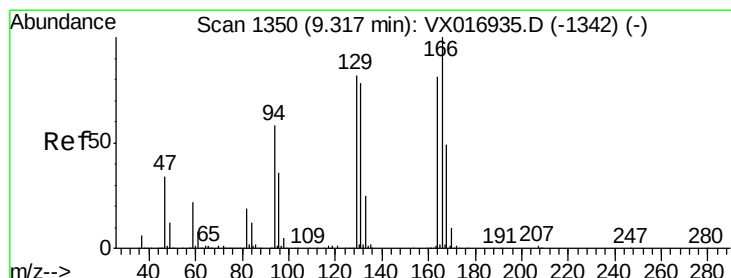
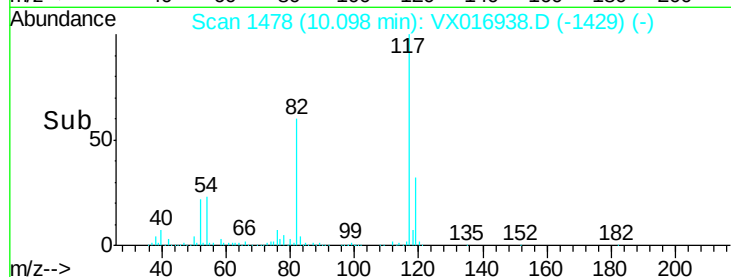
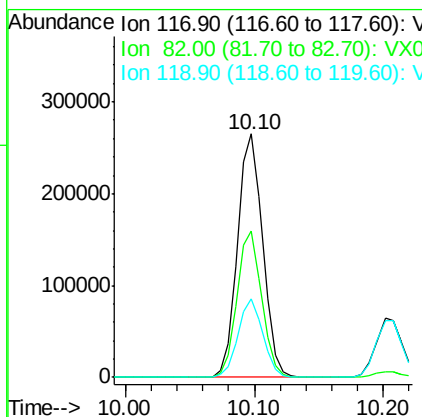
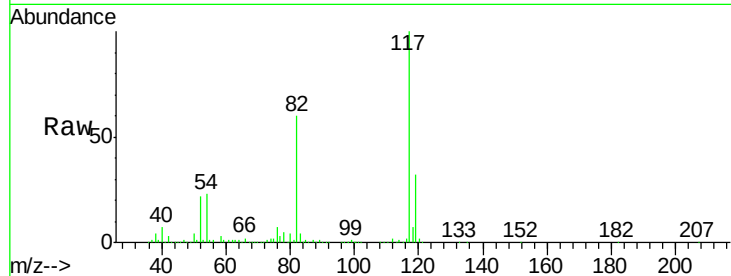
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	Ratio	Resp	Lower	Upper
117	100	358957		
82	60.0	44.7	67.1	
119	32.0	25.4	38.0	

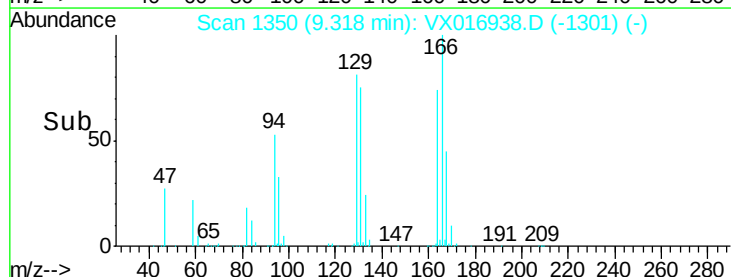
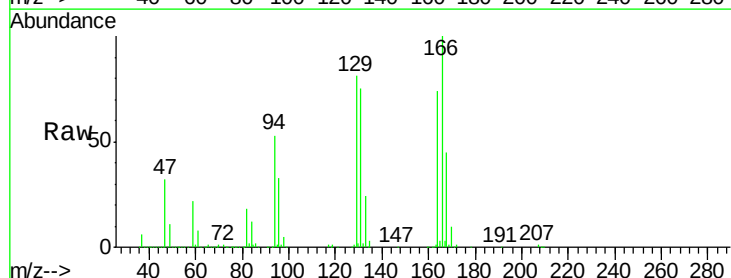
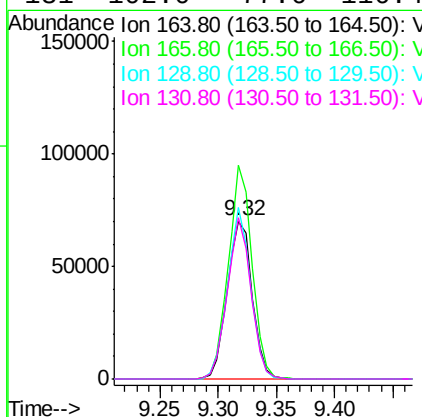
Manual Integrations
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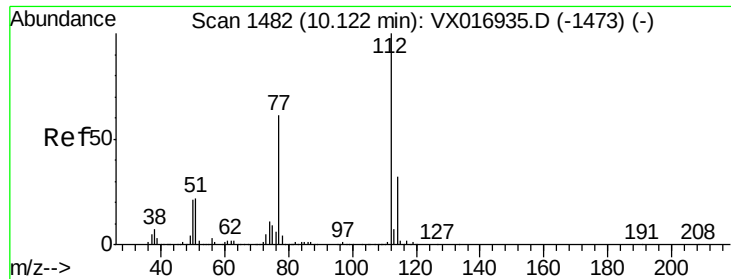
MMDadoda
6/24/2020 10:54:41 AM



#64
Tetrachloroethene
Concen: 43.125 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	105081		
166	135.4	99.3	148.9	
129	109.1	81.4	122.0	
131	102.0	77.6	116.4	





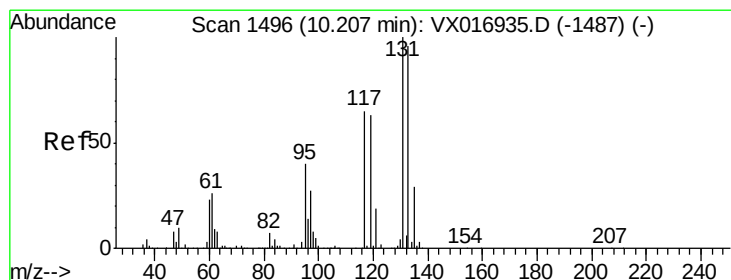
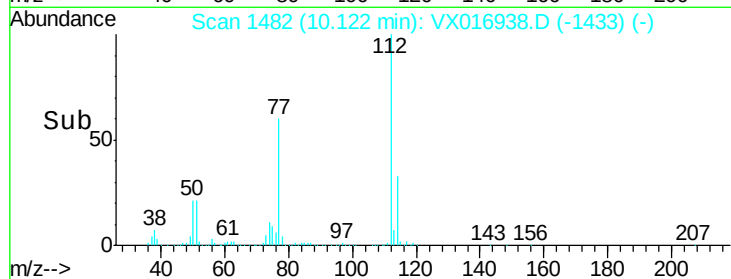
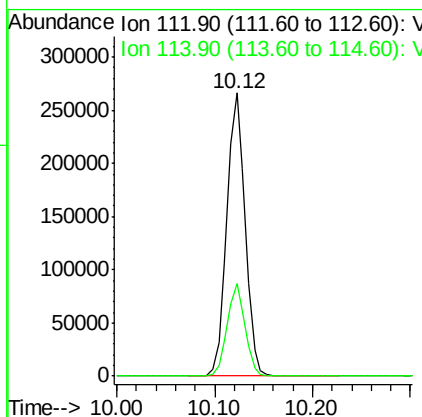
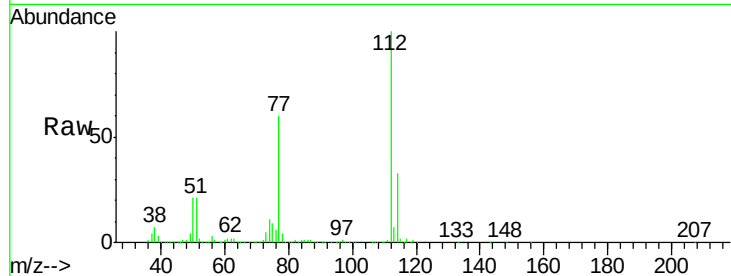
#65
Chlorobenzene
Concen: 47.239 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.5	38.3

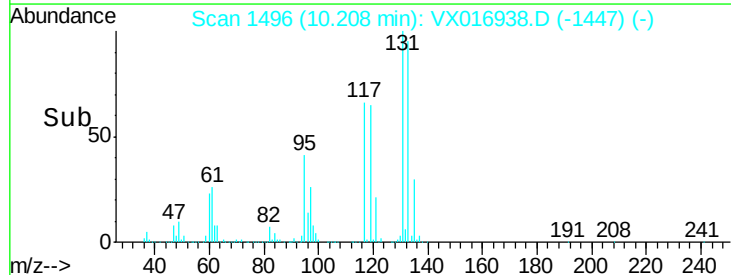
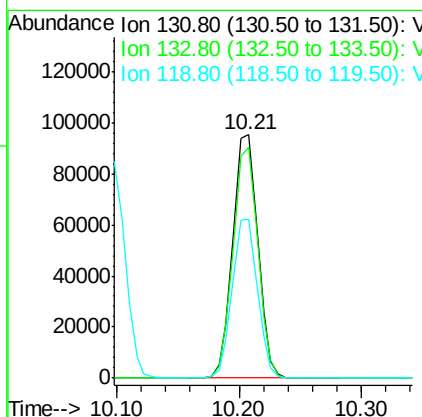
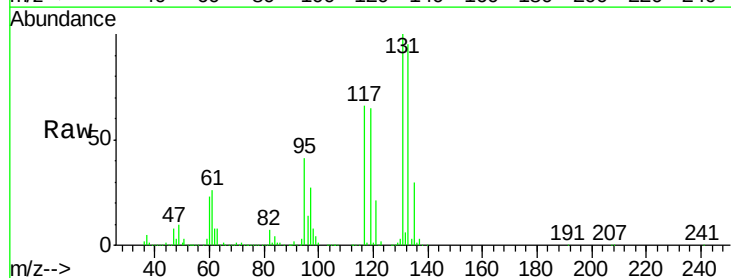
Manual Integrations
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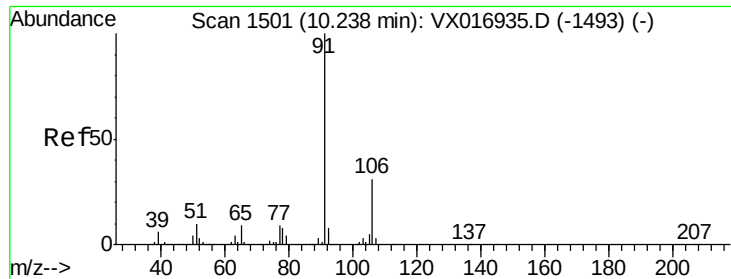
MMDadoda
6/24/2020 10:54:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.484 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	48.3	144.9
119	65.7	32.7	98.1





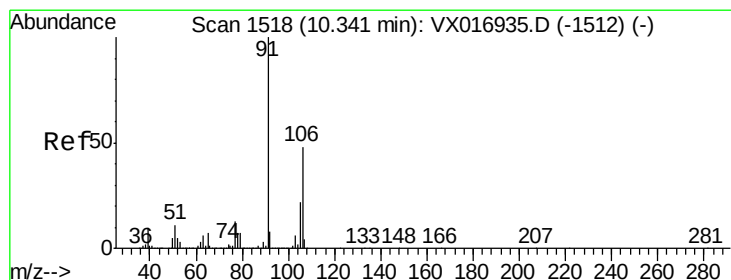
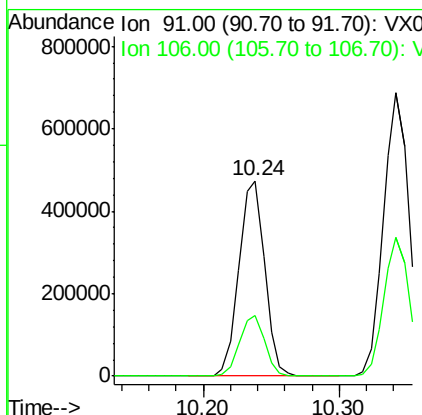
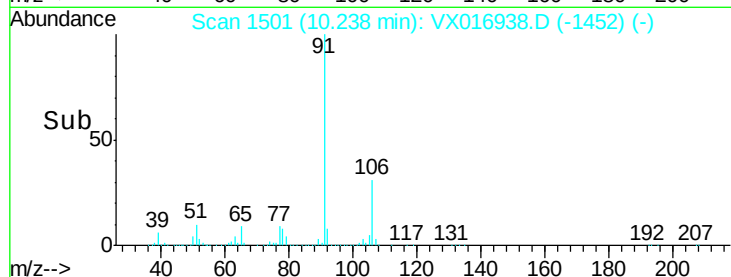
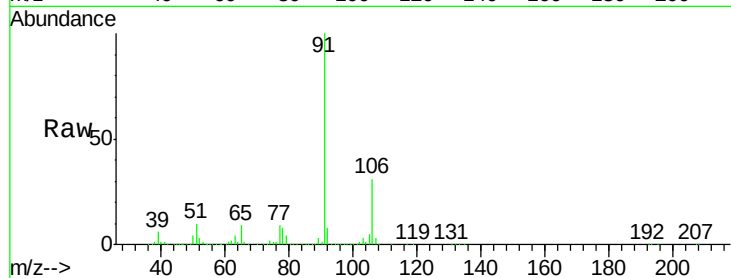
#67
Ethyl Benzene
Concen: 47.761 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion: 91 Resp: 626249
Ion Ratio Lower Upper
91 100
106 30.7 24.9 37.3

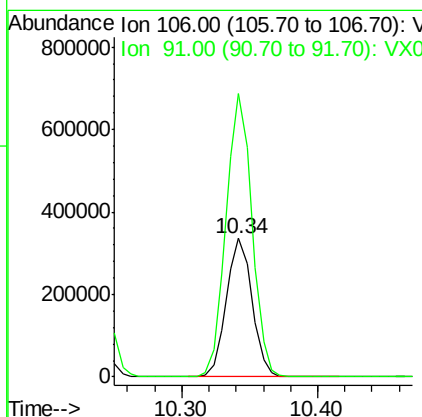
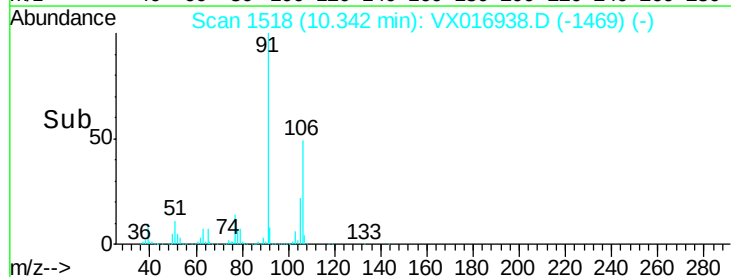
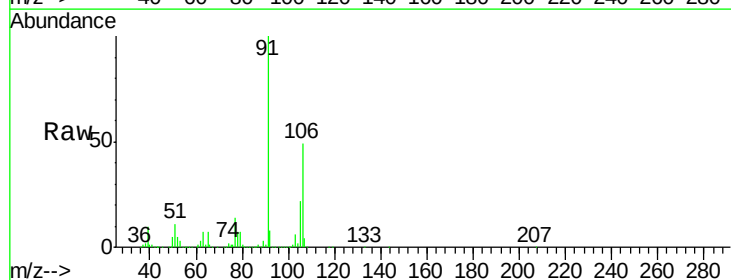
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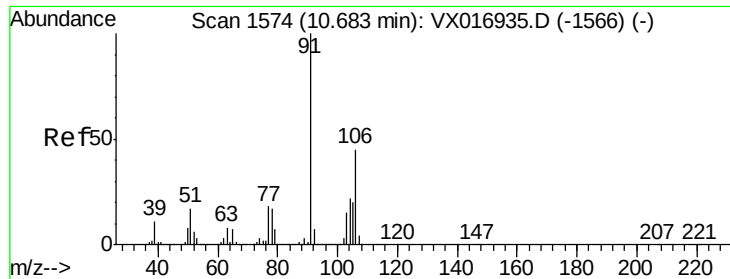
MMDadoda
6/24/2020 10:54:41 AM



#68
m/p-Xylenes
Concen: 91.948 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion: 106 Resp: 442774
Ion Ratio Lower Upper
106 100
91 204.7 166.2 249.2





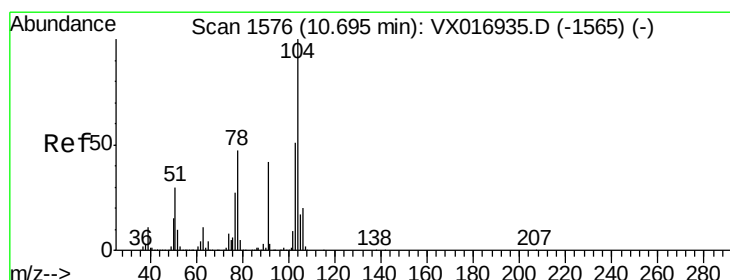
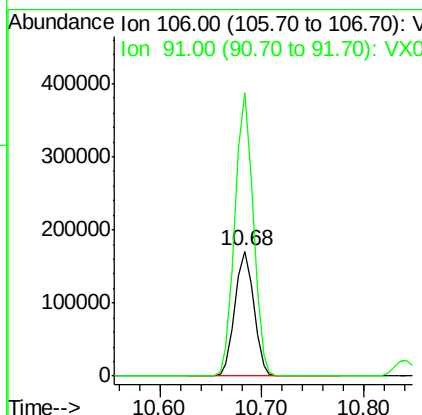
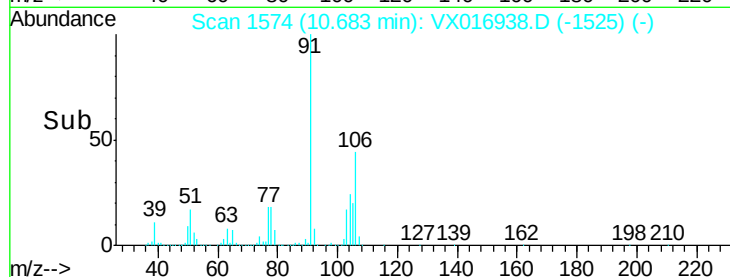
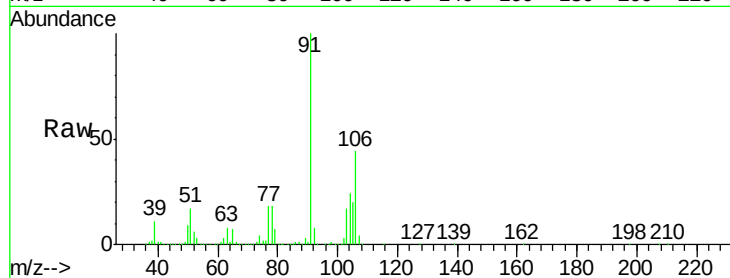
#69
o-Xylene
Concen: 47.233 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.8	329.4

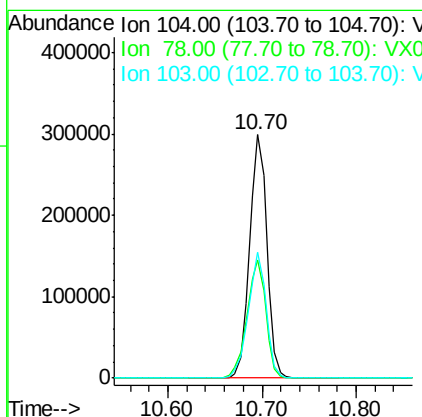
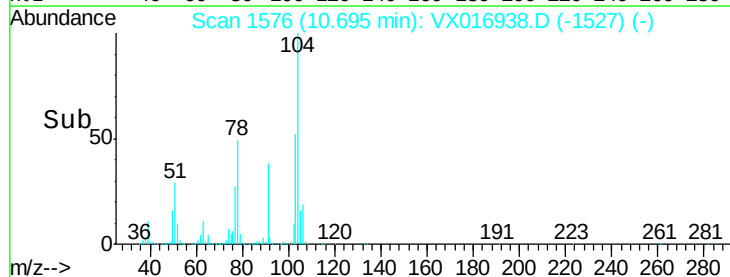
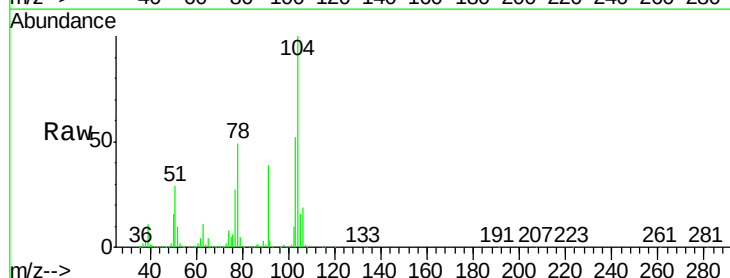
Manual Integrations
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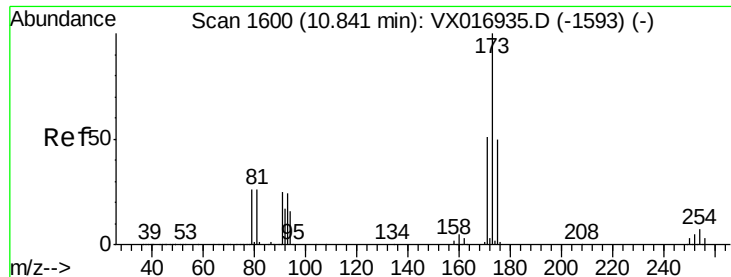
MMDadoda
6/24/2020 10:54:41 AM



#70
Styrene
Concen: 49.133 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.8	41.6	62.4
103	53.6	42.7	64.1





#71

Bromoform

Concen: 51.202 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

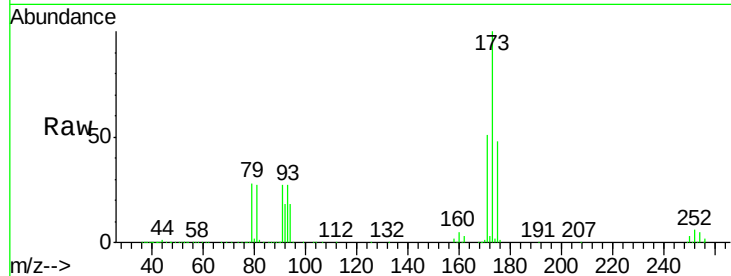
ClientSampleId :

ICVVX062320

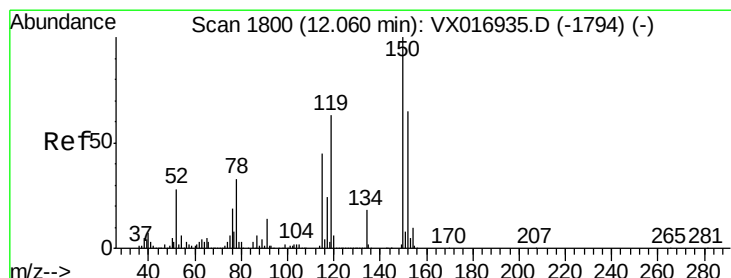
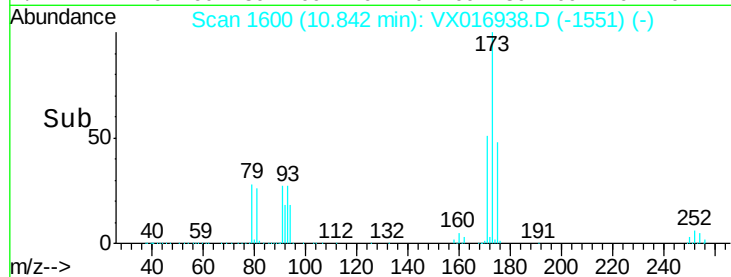
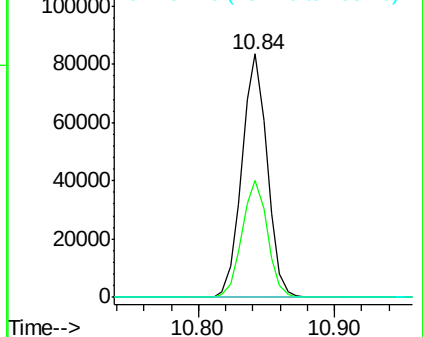
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.1	0.1	0.1

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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

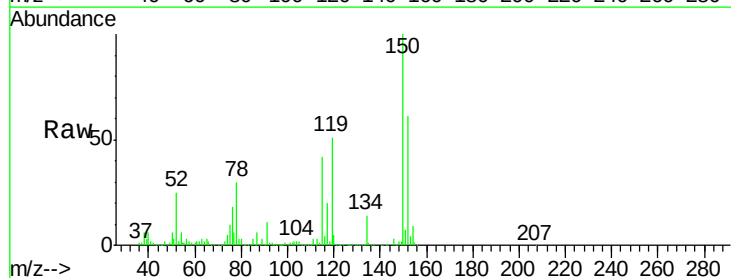
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

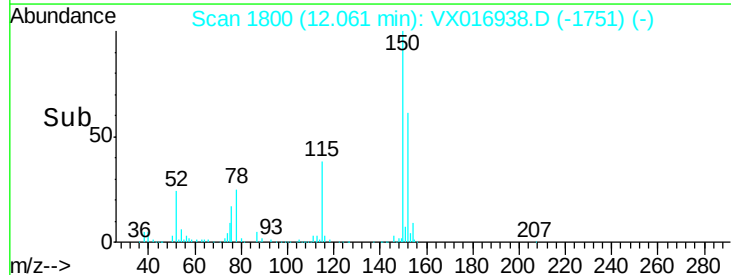
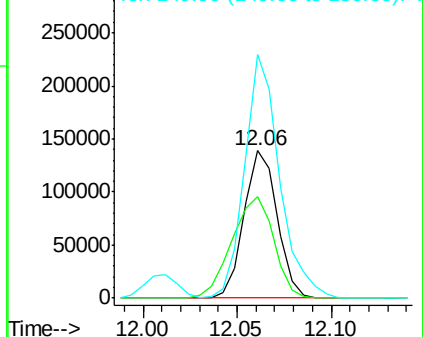
Lab File: VX016938.D

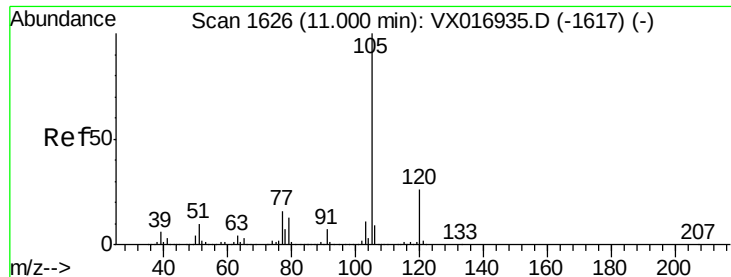
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	86.5	43.1	129.4
150	173.6	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: 50.081 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion:105 Resp: 630407

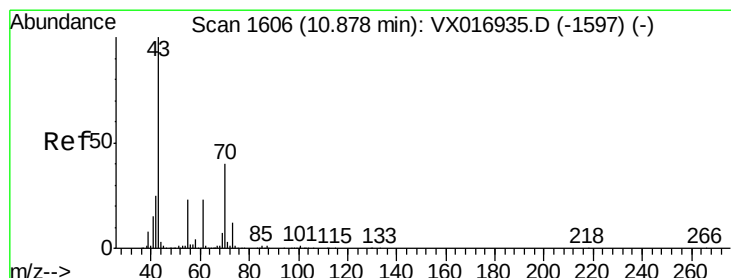
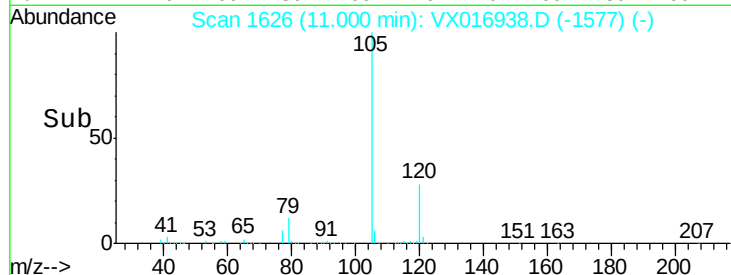
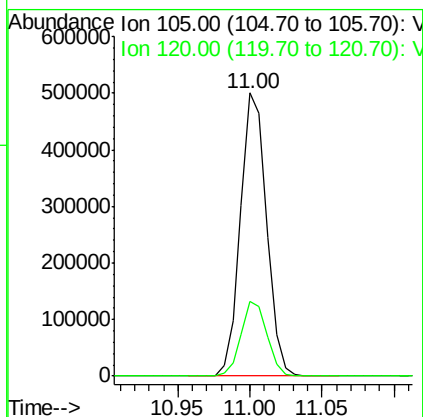
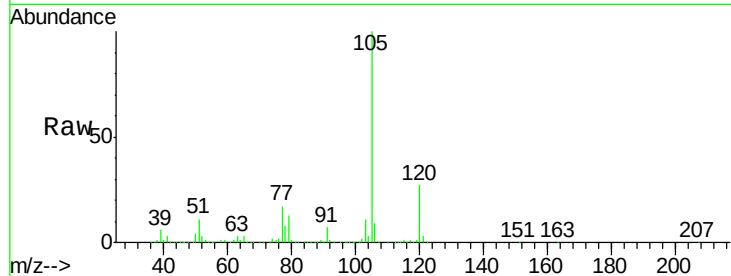
Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 50.991 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Tgt Ion: 43 Resp: 321225

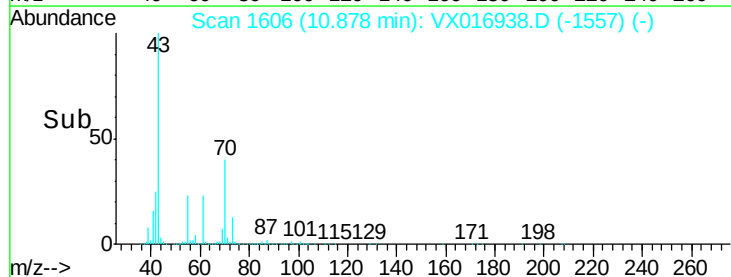
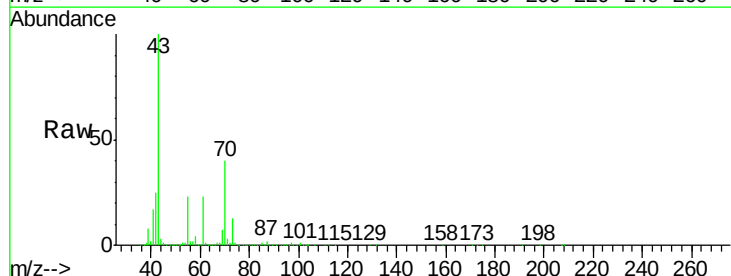
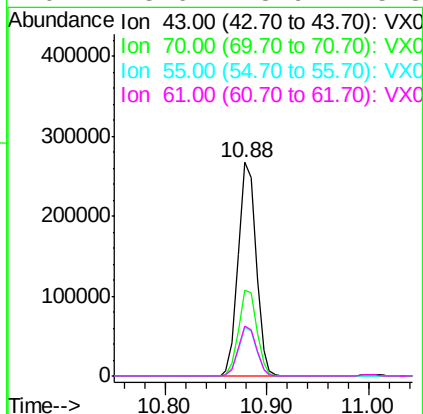
Ion Ratio Lower Upper

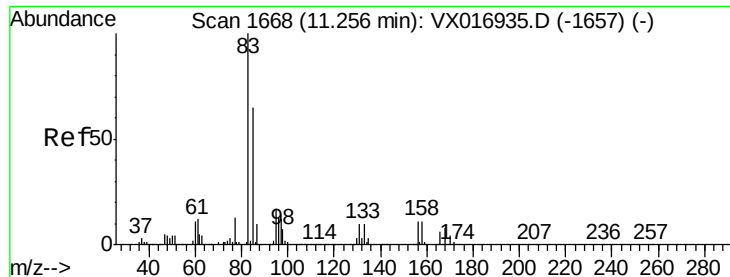
43 100

70 40.8 32.6 49.0

55 22.9 18.8 28.2

61 23.6 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.978 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

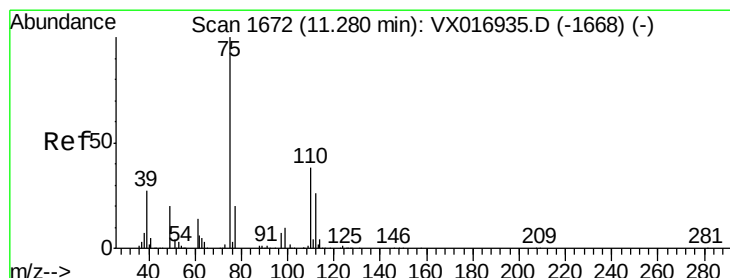
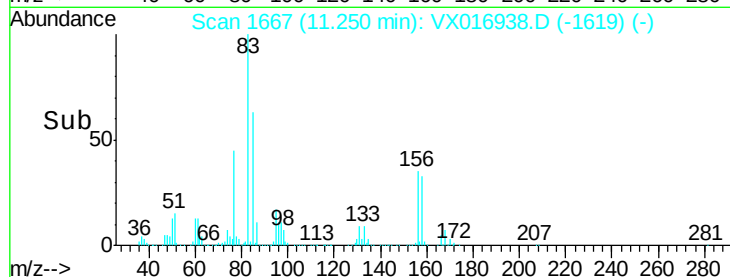
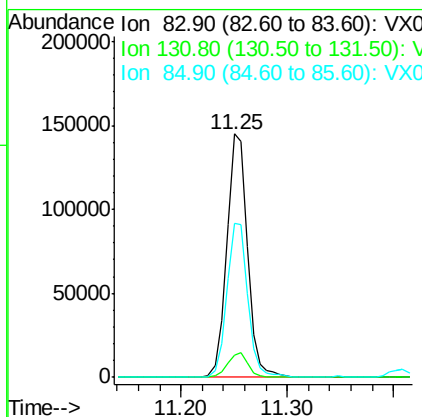
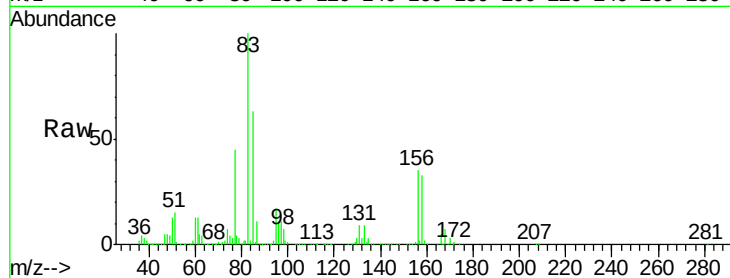
ClientSampleId :

ICVVX062320

Tot Ion:	83	Resp:	197876
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.2
85	64.1	32.3	96.8

Manual Integrations
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6/24/2020 10:54:41 AM



#76

1,2,3-Trichloropropane

Concen: 48.858 ug/l m

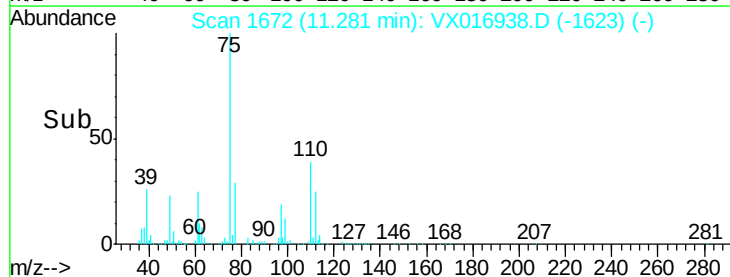
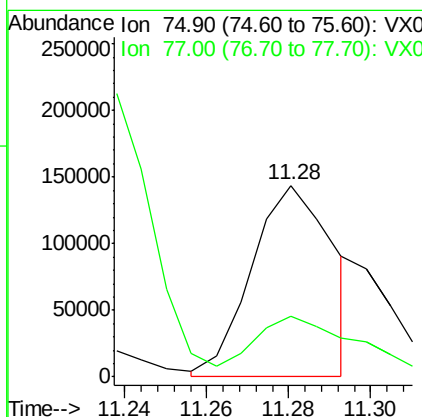
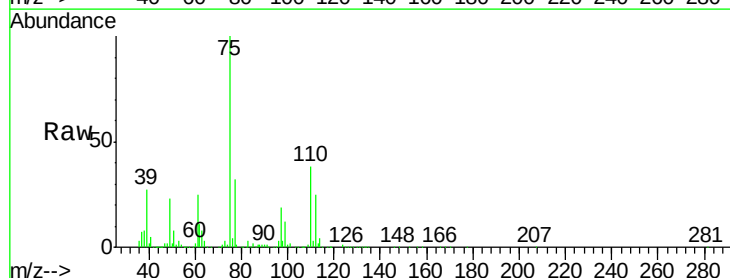
RT: 11.28 min Scan# 1672

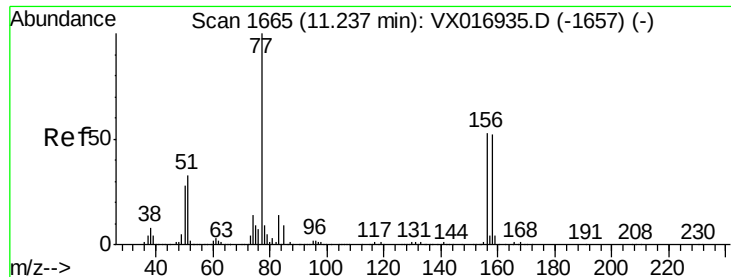
Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Tgt Ion:	75	Resp:	198811
Ion Ratio	Lower	Upper	
75	100		
77	40.6	20.1	60.3





#77

Bromobenzene

Concen: 47.603 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

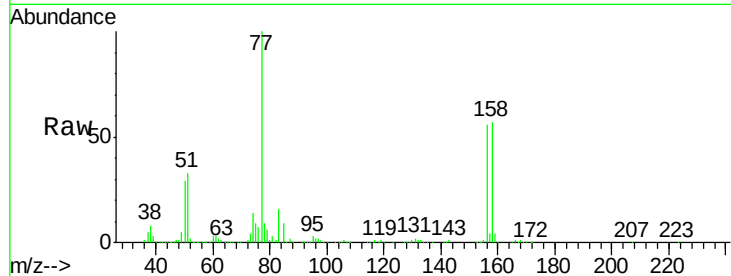
ClientSampleId :

ICVVX062320

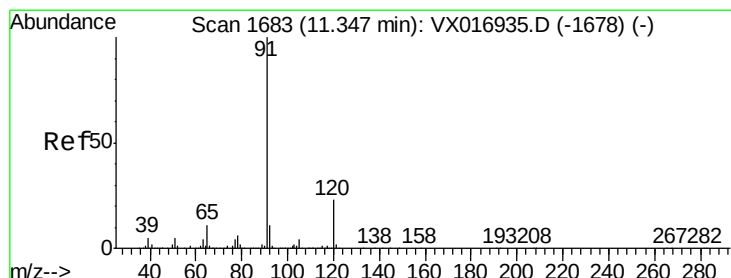
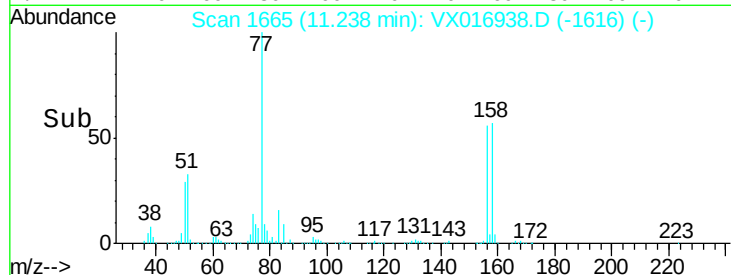
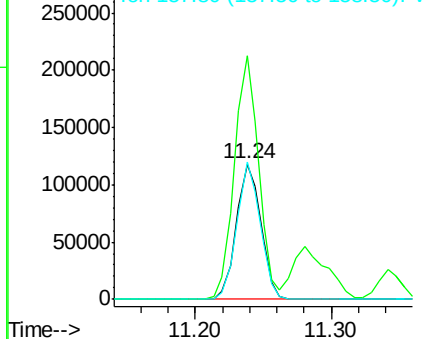
Tot Ion:	156	Resp:	147117
Ion Ratio	Lower	Upper	
156	100		
77	179.1	91.0	273.1
158	97.3	48.4	145.3

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.285 ug/l

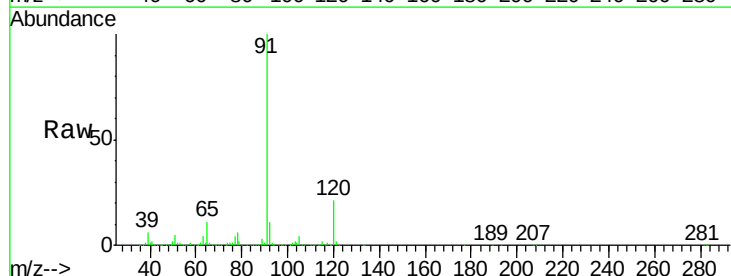
RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

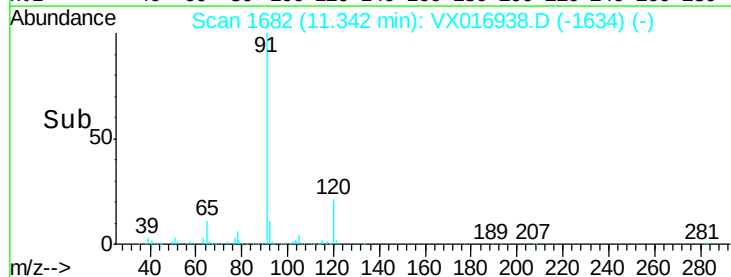
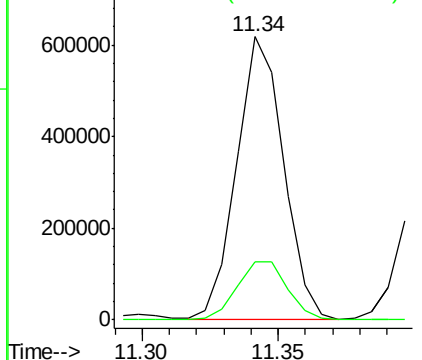
Lab File: VX016938.D

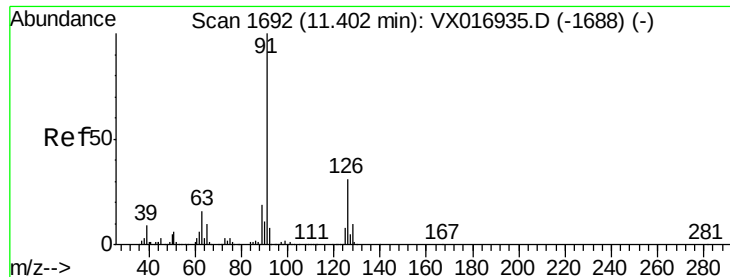
Acq: 23 Jun 2020 18:47

Tgt Ion:	91	Resp:	735969
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.6



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





#79

2-Chlorotoluene

Concen: 48.427 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion: 91 Resp: 440023

Ion Ratio Lower Upper

91 100

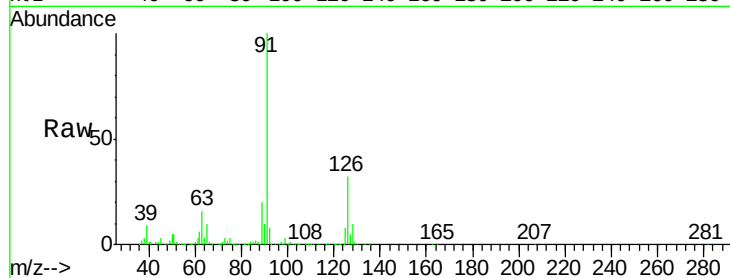
126 33.0 16.2 48.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX016935.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX016935.D (-1688) (-)

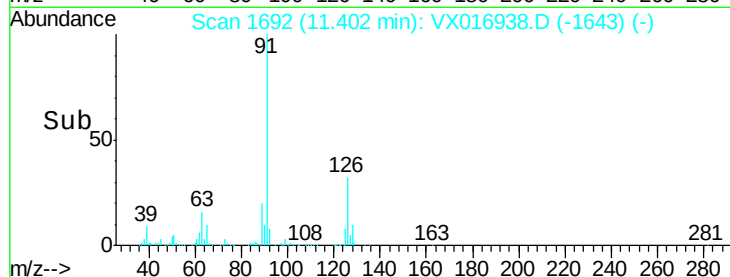
600000

400000

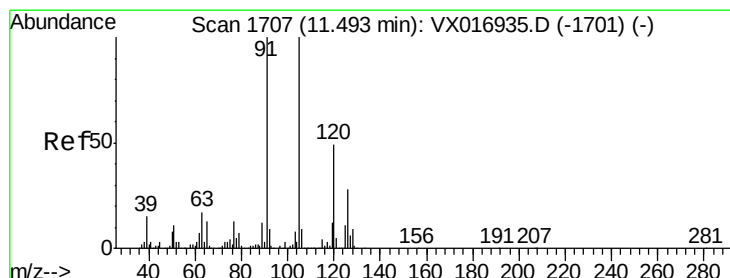
200000

0

11.35 11.40 11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.011 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX016938.D

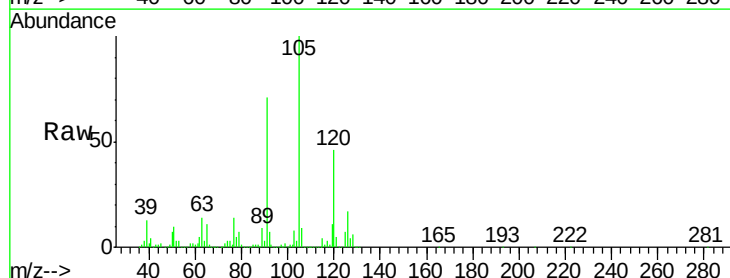
Acq: 23 Jun 2020 18:47

Tgt Ion: 105 Resp: 519584

Ion Ratio Lower Upper

105 100

120 47.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VX016935.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX016935.D (-1701) (-)

500000

400000

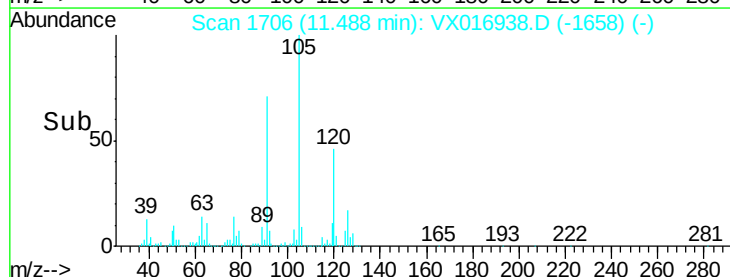
300000

200000

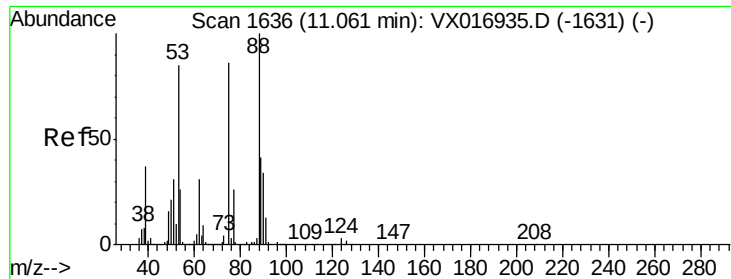
100000

0

11.45 11.50 11.55



Time-->



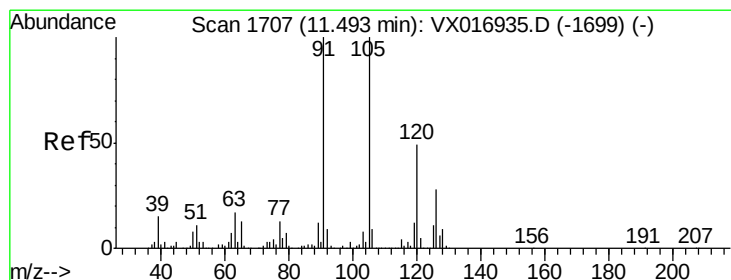
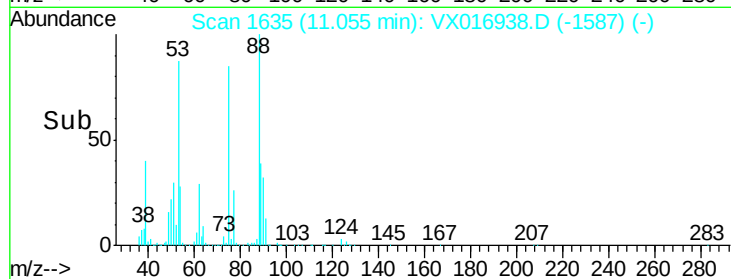
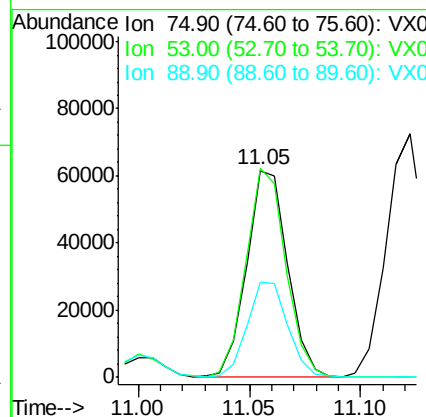
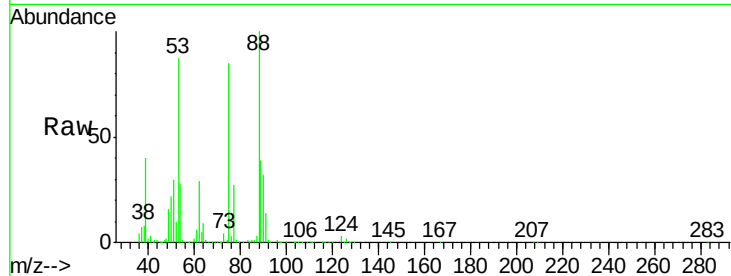
#81
trans-1,4-Dichloro-2-butene
Concen: 48.245 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.4	78.9	118.3
89	46.1	37.0	55.6

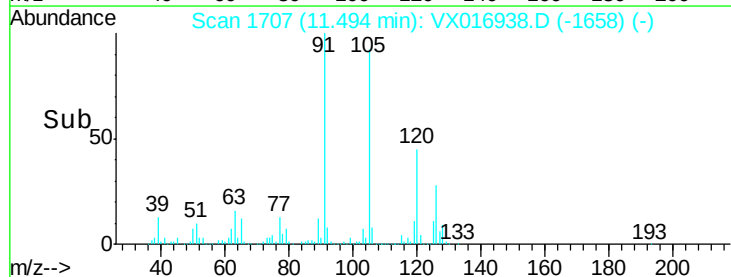
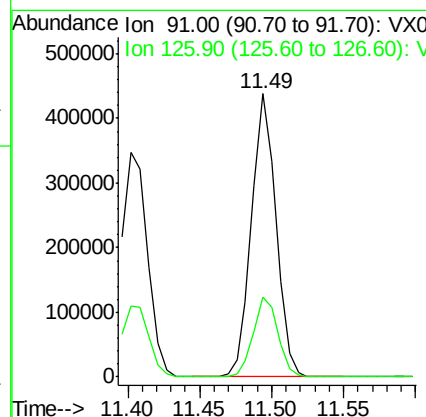
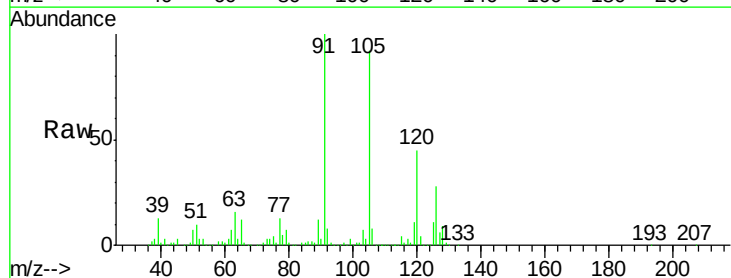
Manual Integrations
APPROVED

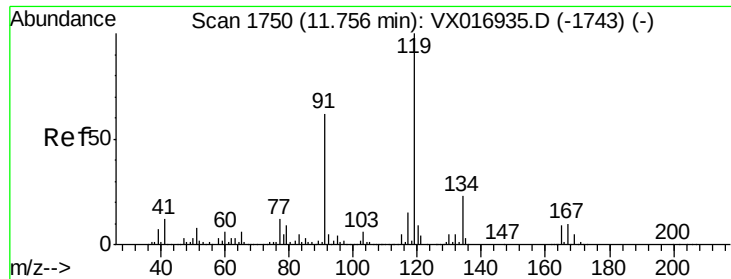
MMDadoda
6/24/2020 10:54:41 AM



#82
4-Chlorotoluene
Concen: 47.367 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.1	42.4





#83

tert-Butylbenzene

Concen: 45.883 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

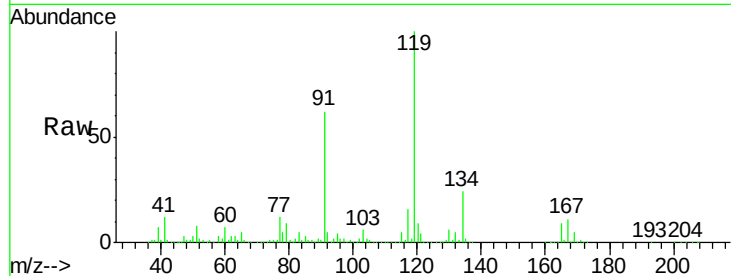
ClientSampleId :

ICVVX062320

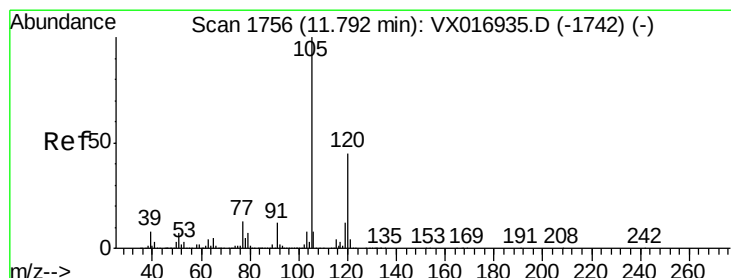
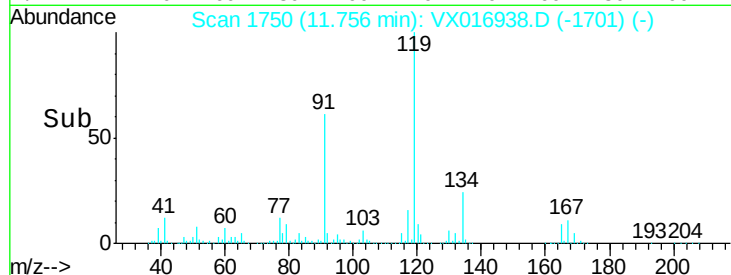
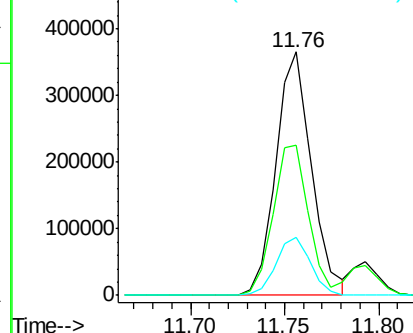
Tot Ion:	119	Resp:	476243
Ion Ratio	Lower	Upper	
119	100		
91	61.2	30.3	90.9
134	22.9	11.4	34.2

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.145 ug/l

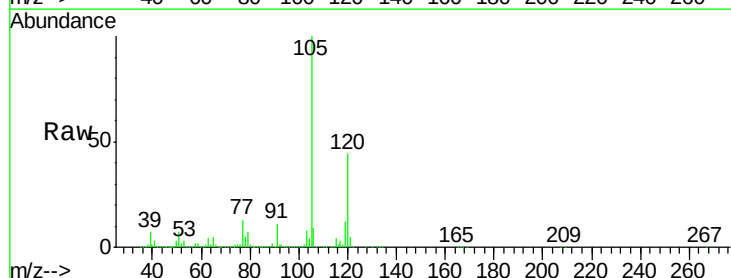
RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

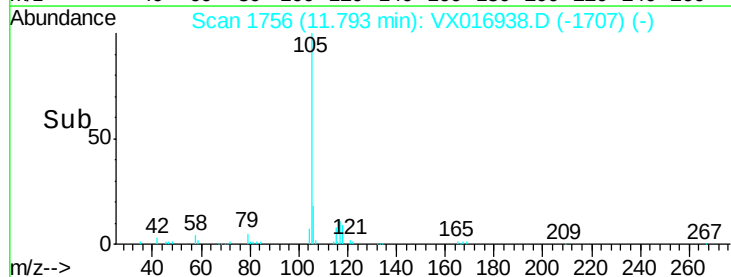
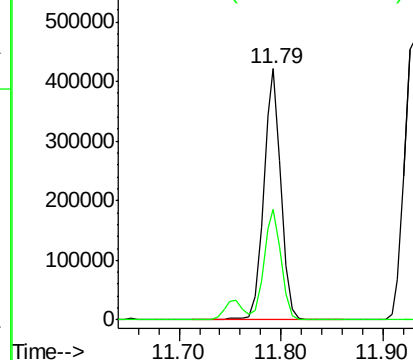
Lab File: VX016938.D

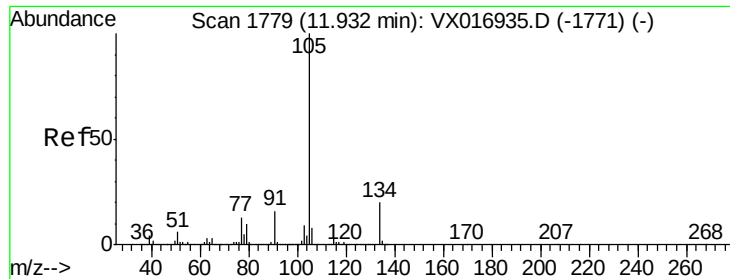
Acq: 23 Jun 2020 18:47

Tgt Ion:	105	Resp:	496556
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.4	67.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.779 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

ICVVX062320

Tot Ion:105 Resp: 594567

Ion Ratio Lower Upper

105 100

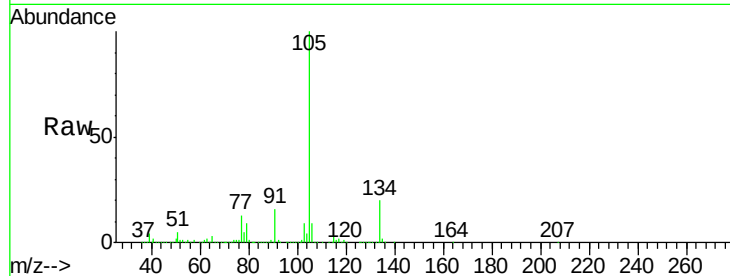
134 19.7 9.8 29.3

Manual Integrations

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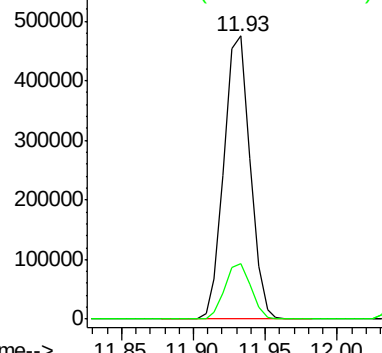
MMDadoda

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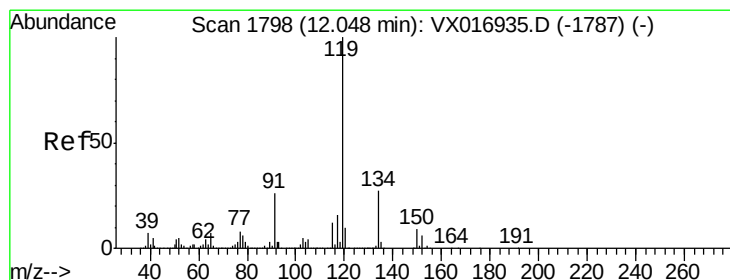
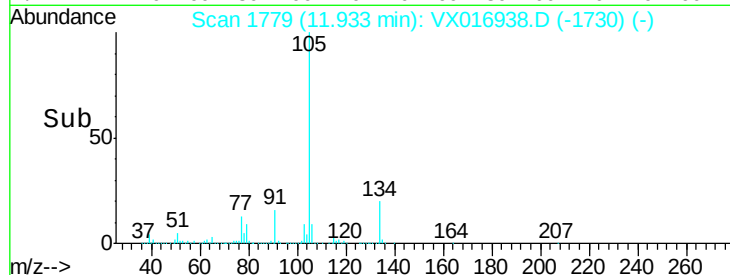


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 49.701 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016938.D

Acq: 23 Jun 2020 18:47

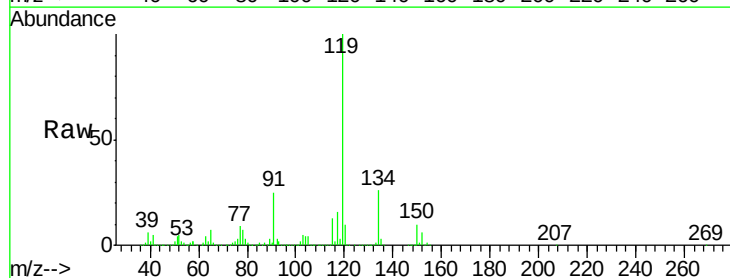
Tgt Ion:119 Resp: 538613

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

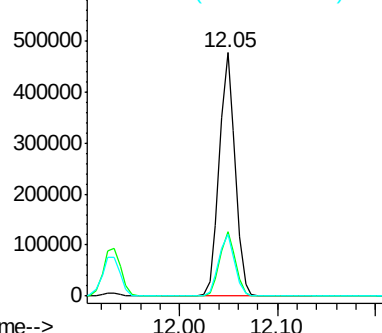
91 25.3 12.6 37.8



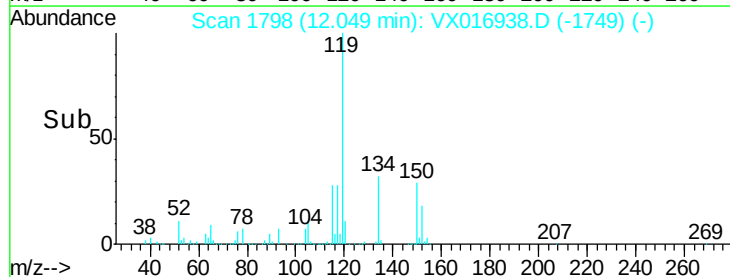
Abundance Ion 119.00 (118.70 to 119.70): V

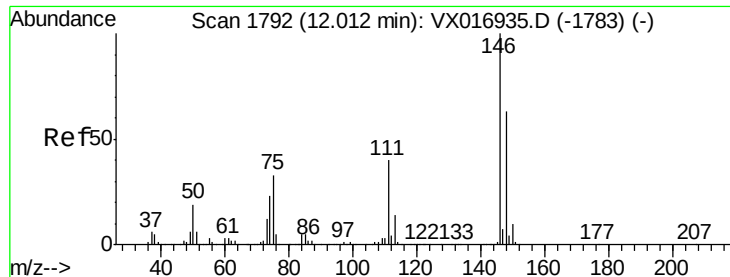
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





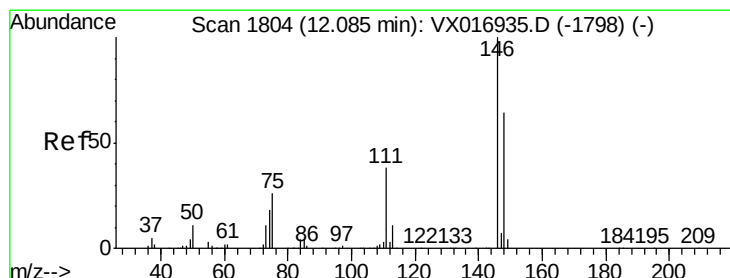
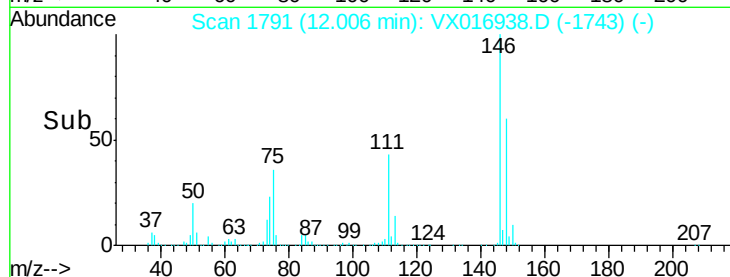
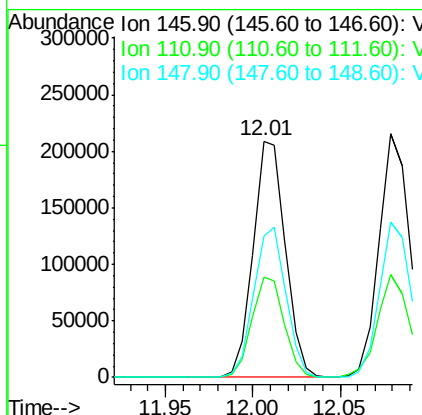
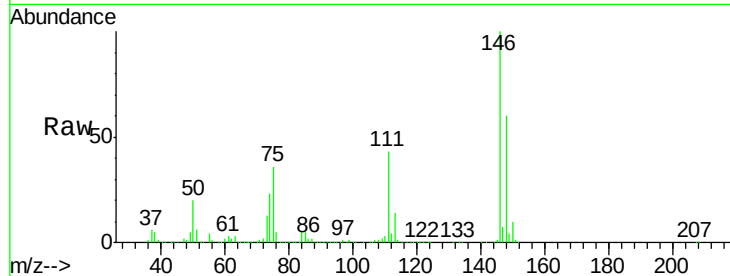
#87
 1,3-Dichlorobenzene
 Concen: 48.182 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX062320

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.5
148	63.6	32.3	96.9

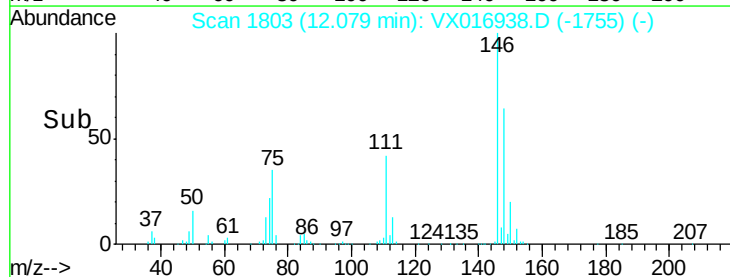
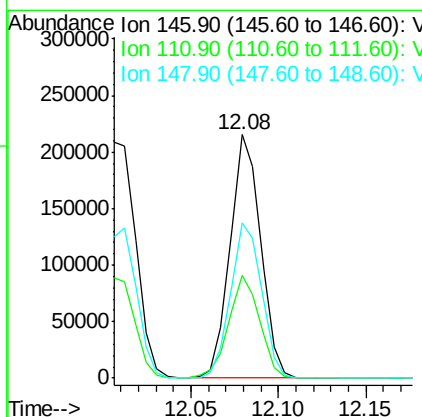
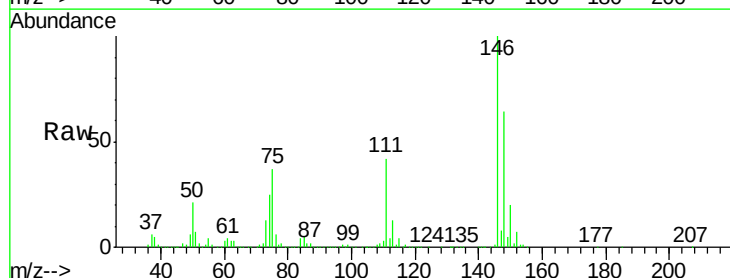
Manual Integrations
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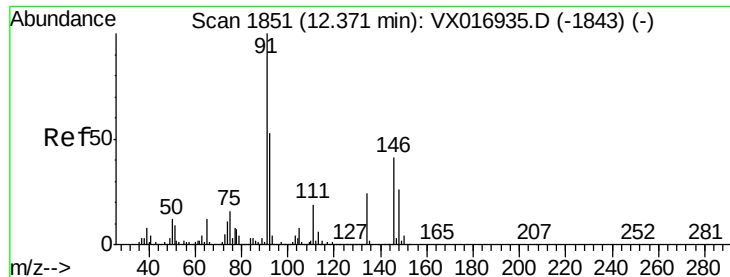
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 6/24/2020 10:54:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.000 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.3	61.0
148	64.8	31.8	95.3





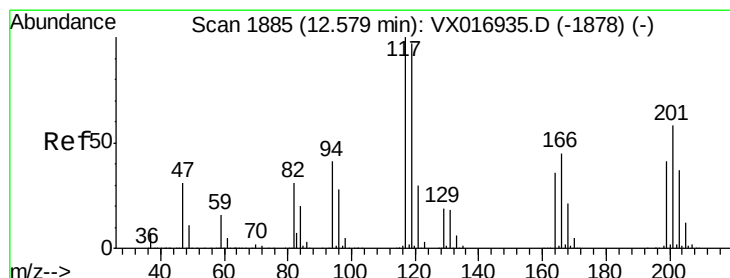
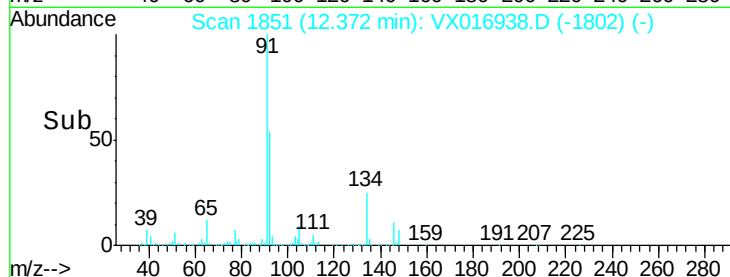
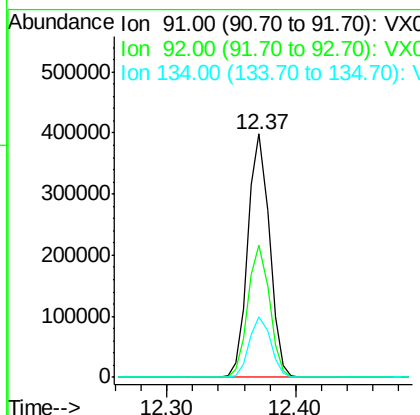
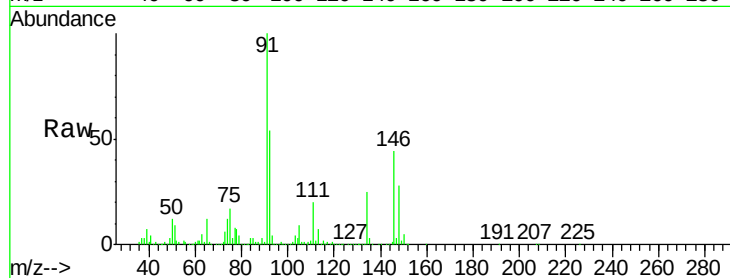
#89
n-Butylbenzene
Concen: 44.432 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	Ratio	Resp	Lower	Upper
91	100	455911		
92	54.4	26.8	80.3	
134	24.7	12.3	36.8	

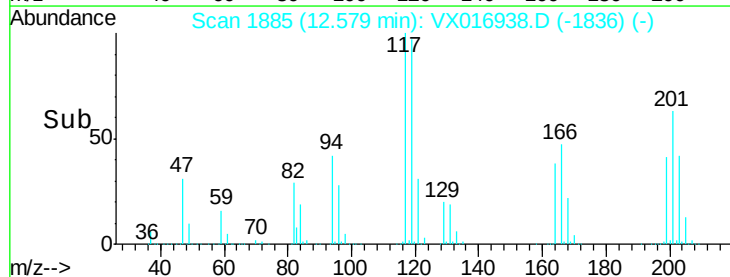
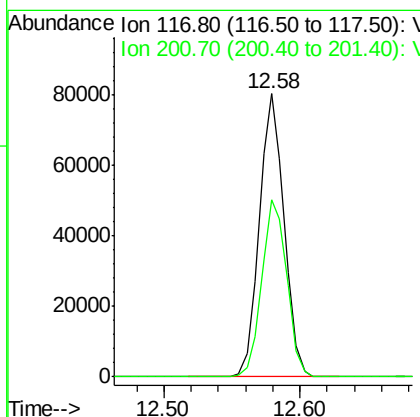
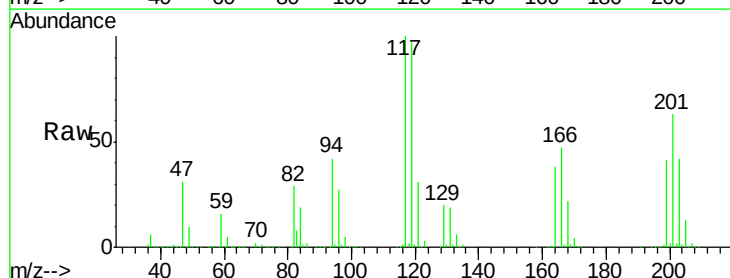
Manual Integrations
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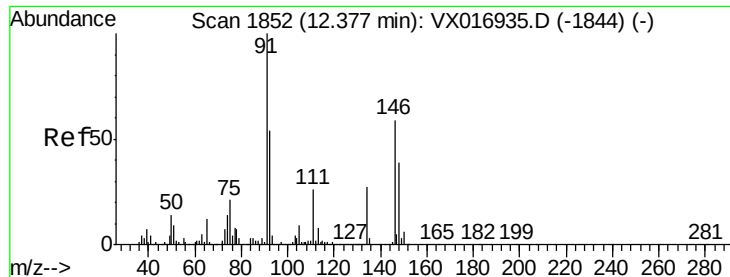
MMDadoda
6/24/2020 10:54:41 AM



#90
Hexachloroethane
Concen: 48.290 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	102803		
201	63.5	31.1	93.5	





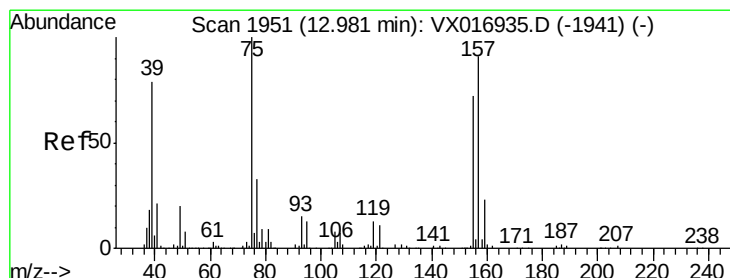
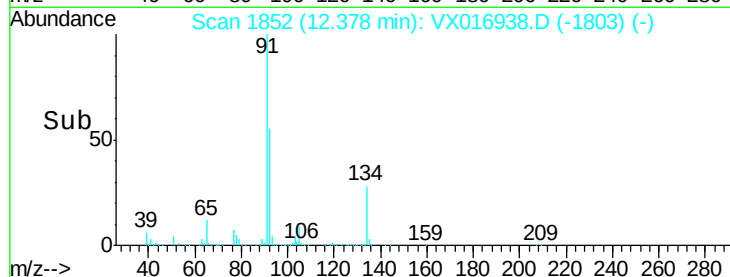
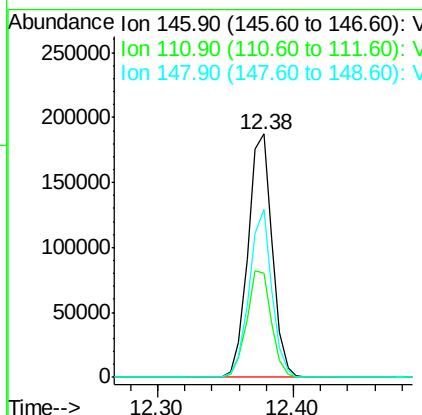
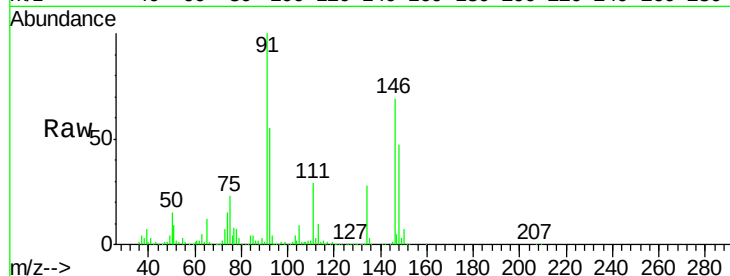
#91
 1,2-Dichlorobenzene
 Concen: 43.540 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX062320

Tot Ion	Ratio	Resp	Lower	Upper
146	100	233203		
111	44.5	22.0	66.0	
148	64.5	32.1	96.5	

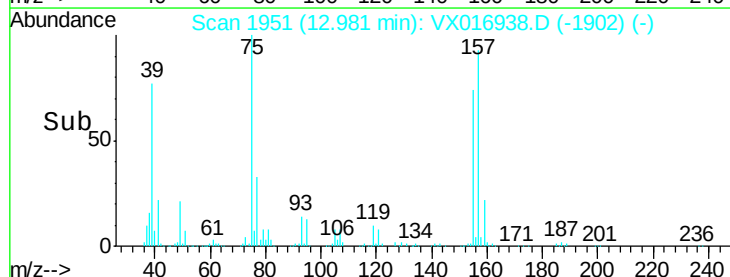
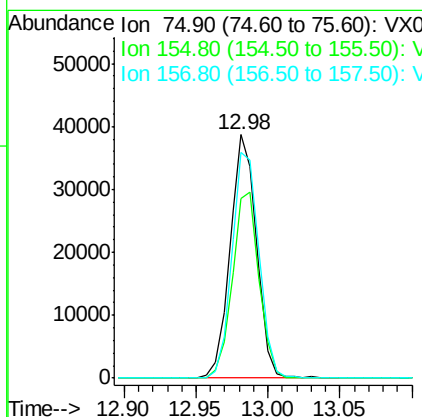
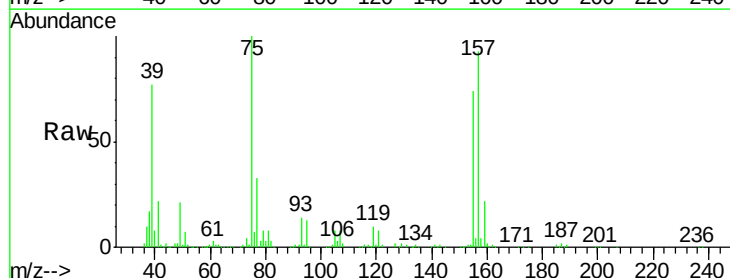
Manual Integrations
 APPROVED

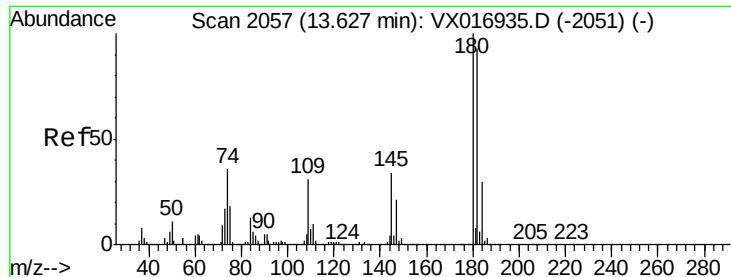
MMDadoda
 6/24/2020 10:54:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.325 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016938.D
 Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49699		
155	77.2	36.1	108.5	
157	95.0	46.6	139.8	





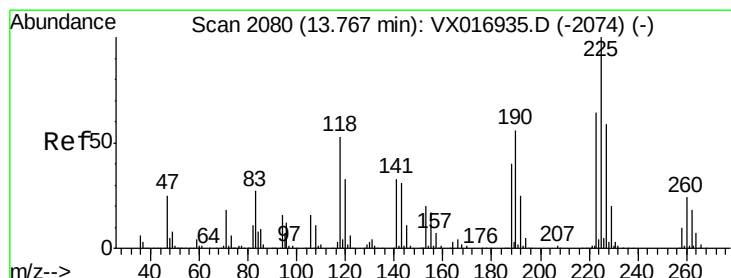
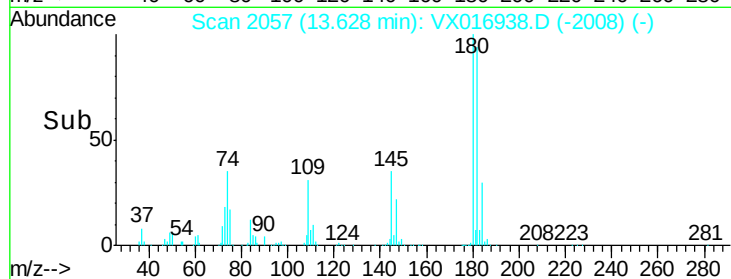
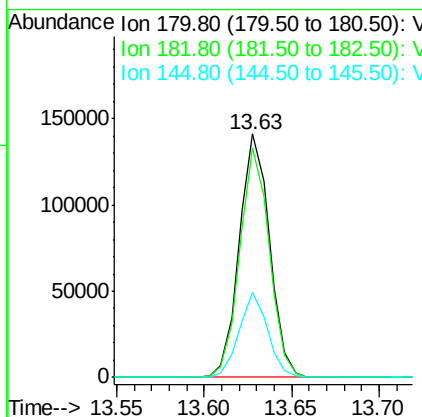
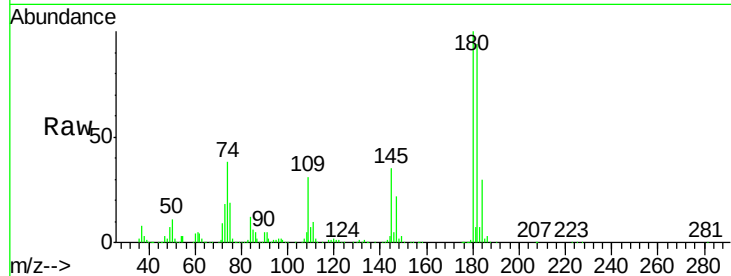
#93
1,2,4-Trichlorobenzene
Concen: 48.412 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion	Ratio	Resp	Lower	Upper
180	100	169387		
182	92.7	47.3	142.0	
145	33.2	16.4	49.2	

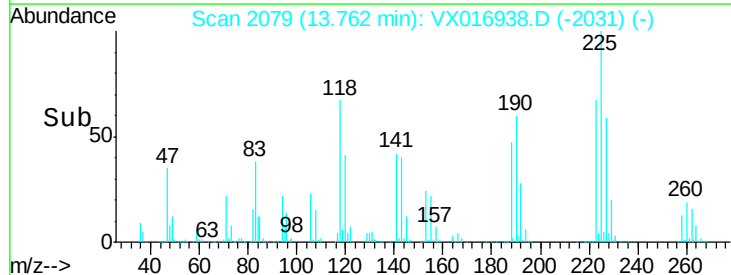
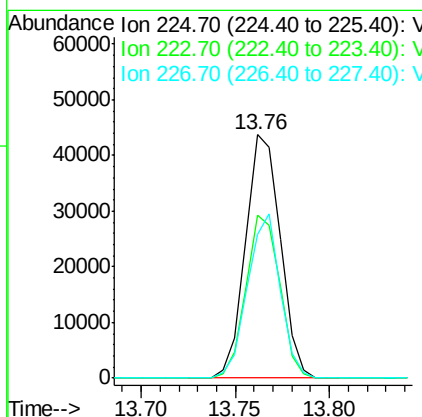
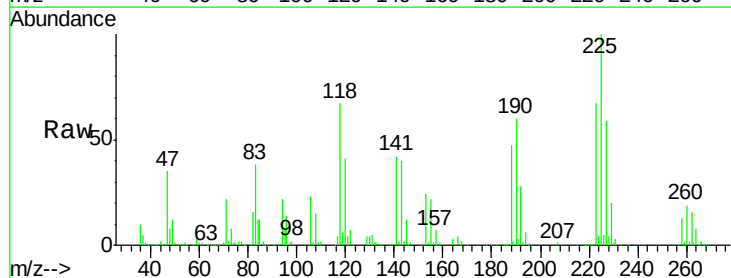
Manual Integrations
APPROVED

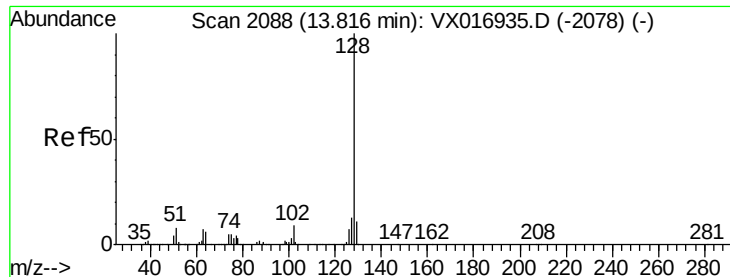
MMDadoda
6/24/2020 10:54:41 AM



#94
Hexachlorobutadiene
Concen: 46.013 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56165		
223	65.2	32.5	97.4	
227	63.3	29.3	88.0	





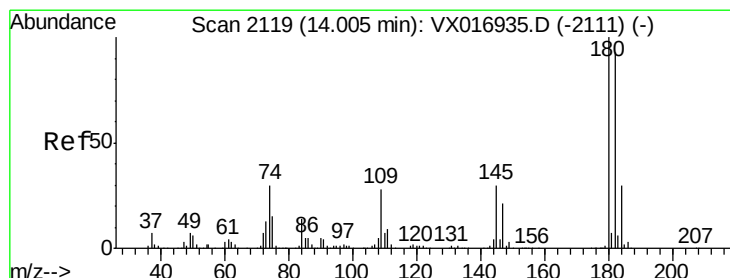
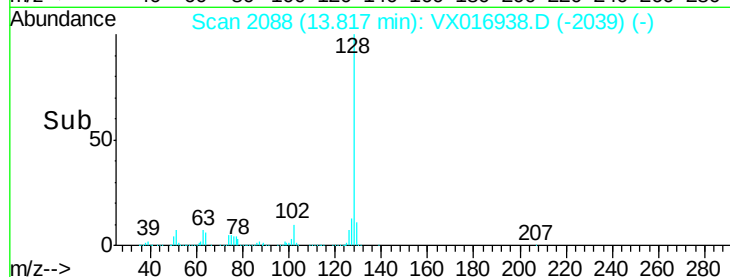
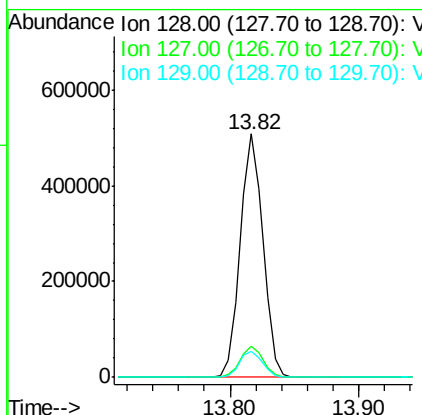
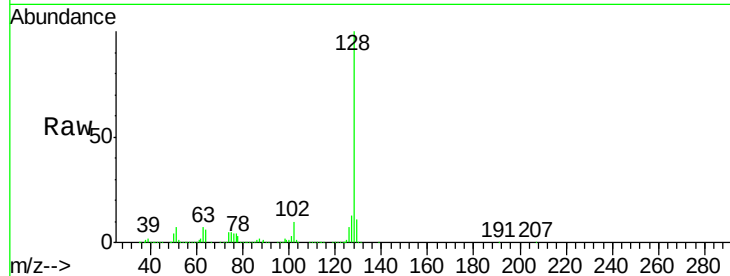
#95
Naphthalene
Concen: 52.201 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
ICVVX062320

Tot Ion:	128	Resp:	620631
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:54:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.506 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX016938.D
Acq: 23 Jun 2020 18:47

Tgt Ion:	180	Resp:	167550
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.4	142.3
145	35.5	17.1	51.3

