

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070919\
 Data File : VX010738.D
 Acq On : 09 Jul 2019 09:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 10:19:25 AM

Quant Time: Jul 09 12:40:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	227688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	338161	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	306314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166469	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104034	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	5.49	113	101487	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	8.71	98	377438	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
62) 4-Bromofluorobenzene	11.13	95	143676	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	97226	61.421	ug/l	99
3) Chloromethane	1.32	50	101604	55.122	ug/l	100
4) Vinyl Chloride	1.41	62	107019	53.008	ug/l	98
5) Bromomethane	1.64	94	57246	58.202	ug/l	98
6) Chloroethane	1.71	64	68438	57.457	ug/l	100
7) Trichlorofluoromethane	1.92	101	182286	56.956	ug/l	99
8) Diethyl Ether	2.18	74	64470	56.172	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	106860	55.097	ug/l	99
10) Methyl Iodide	2.51	142	122894	44.399	ug/l	97
11) Tert butyl alcohol	3.05	59	119229	213.439	ug/l	98
12) 1,1-Dichloroethene	2.37	96	105282	53.346	ug/l	97
13) Acrolein	2.29	56	88238	238.117	ug/l	99
14) Allyl chloride	2.72	41	150544	53.730	ug/l	98
15) Acrylonitrile	3.14	53	286666	259.196	ug/l	99
16) Acetone	2.44	43	308008	287.886	ug/l	96
17) Carbon Disulfide	2.57	76	263804	49.824	ug/l	100
18) Methyl Acetate	2.77	43	110562	51.849	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	328457	52.903	ug/l	99
20) Methylene Chloride	2.85	84	117391	53.316	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	111876	52.708	ug/l	98
22) Diisopropyl ether	3.85	45	313243	53.472	ug/l	91
23) Vinyl Acetate	3.81	43	1393115	275.278	ug/l	98
24) 1,1-Dichloroethane	3.70	63	179998	53.157	ug/l	99
25) 2-Butanone	4.67	43	420560	267.974	ug/l	100
26) 2,2-Dichloropropane	4.58	77	152604	51.879	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	128487	52.384	ug/l	99
28) Bromochloromethane	5.01	49	76507	47.256	ug/l	96
29) Tetrahydrofuran	5.12	42	251450	258.667	ug/l	98
30) Chloroform	5.21	83	192061	52.716	ug/l	95
31) Cyclohexane	5.57	56	167132	54.200	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	169050	52.548	ug/l	100
36) 1,1-Dichloropropene	5.79	75	142803	53.142	ug/l	99
37) Ethyl Acetate	4.83	43	144865	52.402	ug/l	99
38) Carbon Tetrachloride	5.78	117	151457	52.049	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192947	54.624	ug/l	99
40) Benzene	6.13	78	442293	52.830	ug/l	99
41) Methacrylonitrile	5.04	41	82253	54.227	ug/l	96
42) 1,2-Dichloroethane	6.19	62	145346	57.034	ug/l	98
43) Isopropyl Acetate	6.44	43	240644	52.614	ug/l	99
44) Trichloroethene	7.21	130	131493	52.490	ug/l	96
45) 1,2-Dichloropropane	7.51	63	111603	52.788	ug/l	98
46) Dibromomethane	7.66	93	80950	53.367	ug/l	97
47) Bromodichloromethane	7.90	83	145826	52.459	ug/l	98
48) Methyl methacrylate	7.76	41	115559	54.356	ug/l	99
49) 1,4-Dioxane	7.74	88	62849	1026.211	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	788197	269.448	ug/l	99
52) Toluene	8.78	92	292730	53.096	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	162636	52.184	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	179718	53.064	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	120437	52.968	ug/l	99
56) Ethyl methacrylate	9.18	69	184677	53.616	ug/l	96
57) 1,3-Dichloropropane	9.37	76	187943	53.248	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	385870	235.881	ug/l	99
59) 2-Hexanone	9.49	43	628635	273.051	ug/l	97
60) Dibromochloromethane	9.58	129	129670	50.934	ug/l	100
61) 1,2-Dibromoethane	9.67	107	129098	52.601	ug/l	99
64) Tetrachloroethene	9.33	164	127345	51.400	ug/l	98
65) Chlorobenzene	10.13	112	329811	53.035	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	121141	53.479	ug/l	99
67) Ethyl Benzene	10.25	91	574694	54.740	ug/l	100
68) m/p-Xylenes	10.35	106	446038	109.647	ug/l	99
69) o-Xylene	10.69	106	216009	53.996	ug/l	100
70) Styrene	10.71	104	370541	55.231	ug/l	99
71) Bromoform	10.85	173	99475	50.498	ug/l #	97
73) Isopropylbenzene	11.02	105	577848	51.207	ug/l	99
74) N-amyl acetate	10.90	43	223732	52.462	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	185567	49.655	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	154554m	50.949	ug/l	
77) Bromobenzene	11.25	156	155036	49.203	ug/l	96
78) n-propylbenzene	11.36	91	664634	53.590	ug/l	99
79) 2-Chlorotoluene	11.42	91	381093	51.602	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	492537	52.945	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	58779	45.204	ug/l	93
82) 4-Chlorotoluene	11.51	91	447302	53.227	ug/l	100
83) tert-Butylbenzene	11.77	119	483717	51.806	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	497143	53.191	ug/l	99
85) sec-Butylbenzene	11.94	105	581529	53.045	ug/l	99
86) p-Isopropyltoluene	12.06	119	544314	53.678	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	280705	51.035	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	282293	50.414	ug/l	99
89) n-Butylbenzene	12.38	91	480199	55.728	ug/l	99
90) Hexachloroethane	12.60	117	86332	49.237	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	273314	49.998	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38189	47.396	ug/l	93

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ClientSampleId :
VSTDCCC050

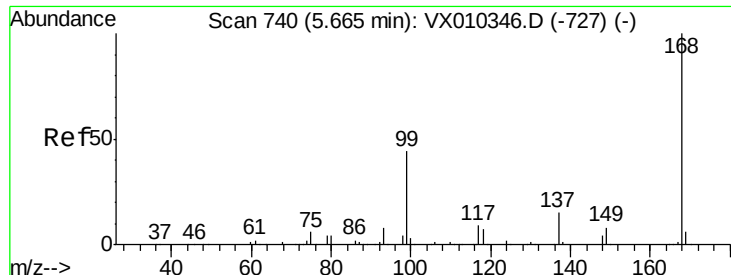
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Thu Jun 20 03:31:56 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	196569	51.852	ug/l	98
94) Hexachlorobutadiene	13.78	225	97088	52.402	ug/l	99
95) Naphthalene	13.83	128	578406	49.650	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	194133	51.505	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 227688

Ion Ratio Lower Upper

168 100

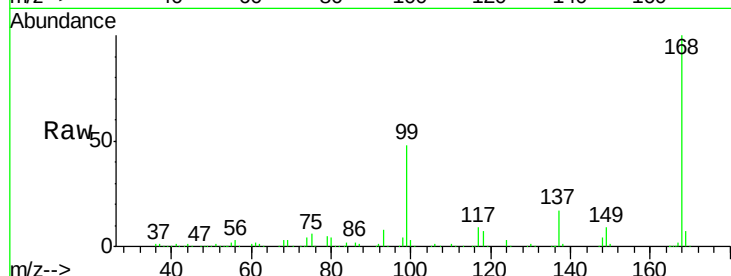
99 48.3 35.5 53.3

Manual Integrations

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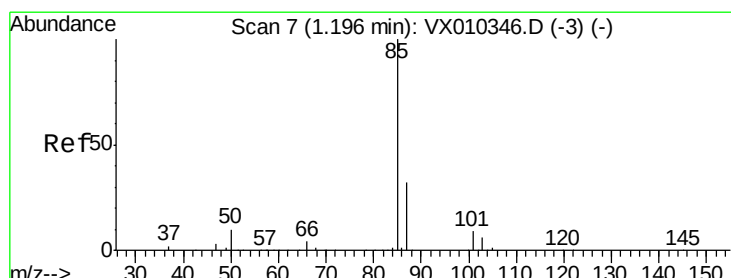
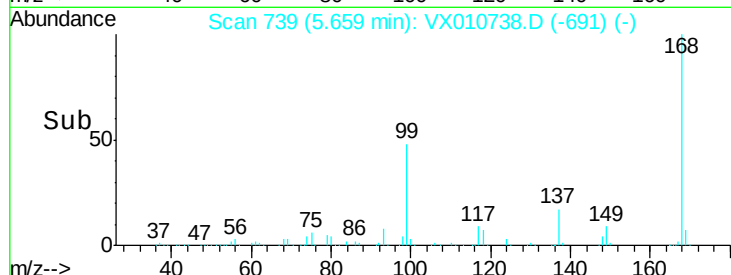
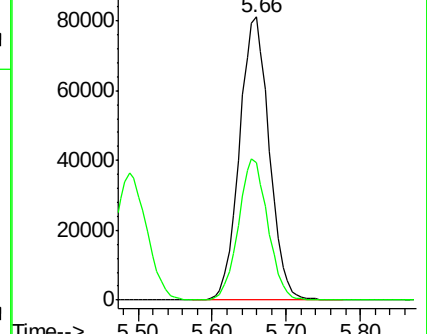
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 61.421 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010738.D

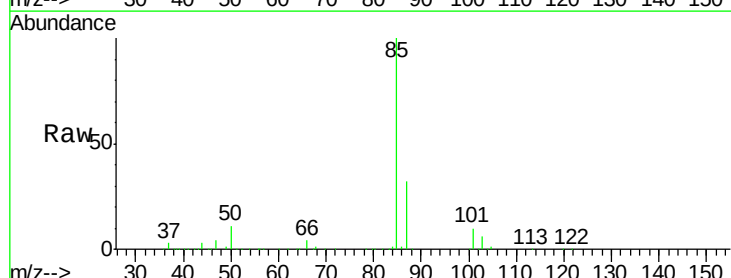
Acq: 09 Jul 2019 09:53

Tgt Ion: 85 Resp: 97226

Ion Ratio Lower Upper

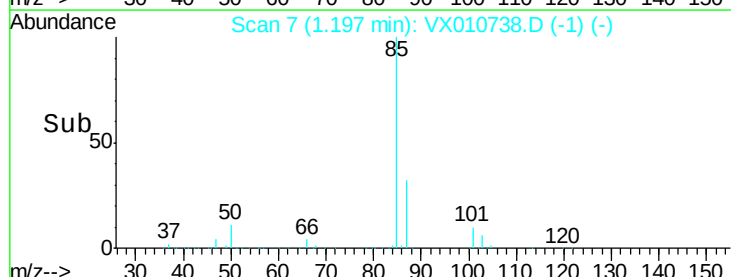
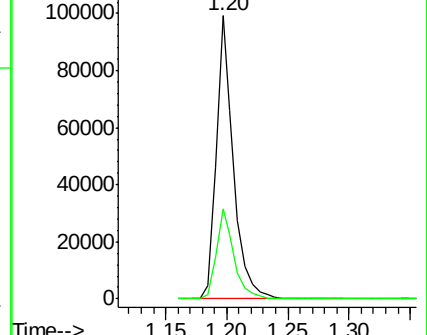
85 100

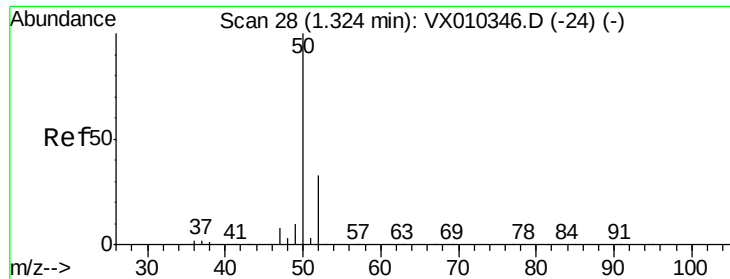
87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 55.122 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 101604

Ion Ratio Lower Upper

50 100

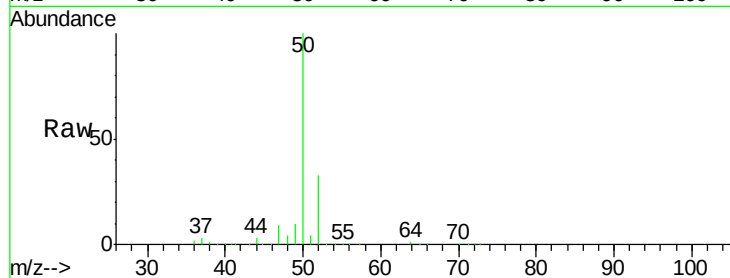
52 32.8 26.5 39.7

Manual Integrations

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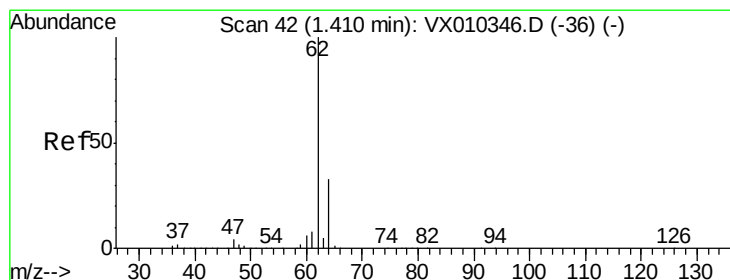
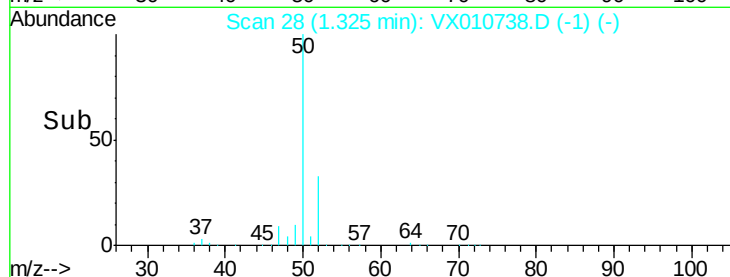
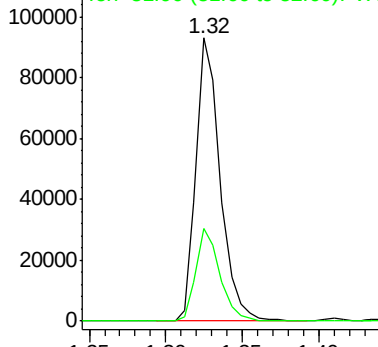
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.008 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010738.D

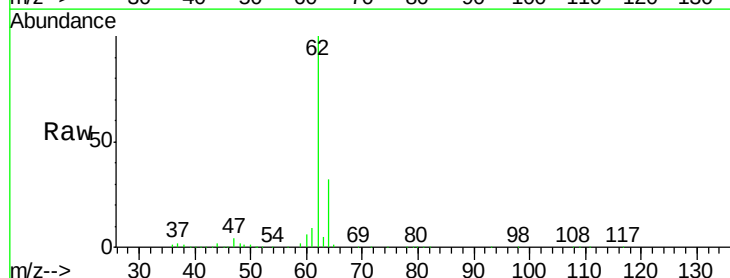
Acq: 09 Jul 2019 09:53

Tgt Ion: 62 Resp: 107019

Ion Ratio Lower Upper

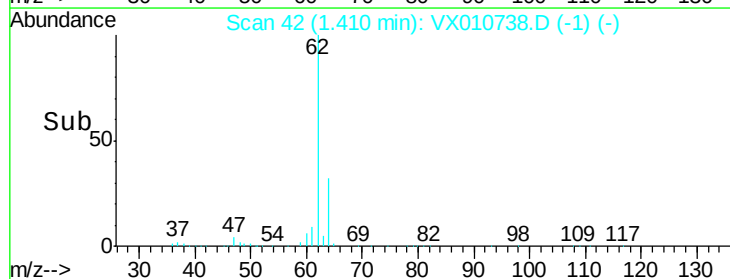
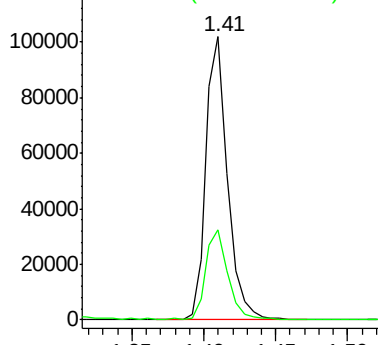
62 100

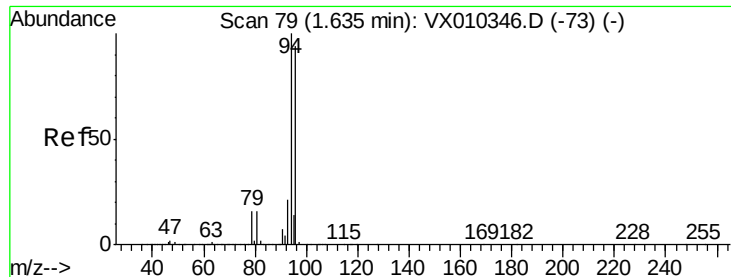
64 31.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 58.202 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Tot Ion: 94 Resp: 57246

Ion Ratio Lower Upper

94 100

96 92.4 75.5 113.3

Instrument :

MSVOA_X

ClientSampleId :

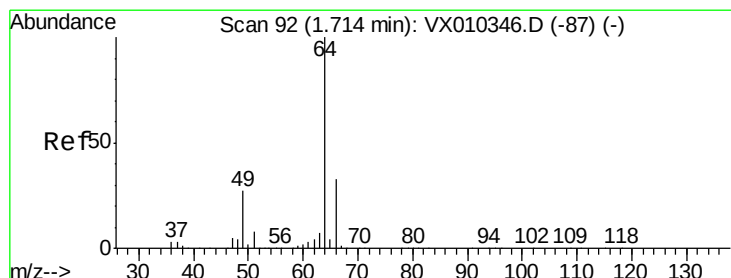
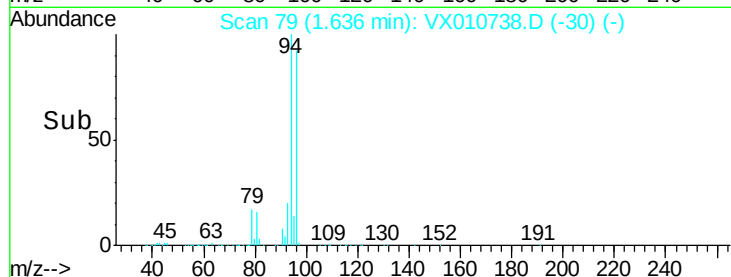
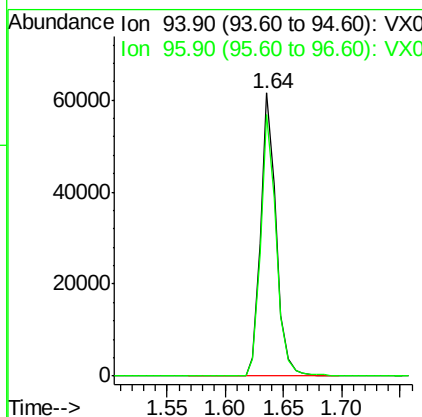
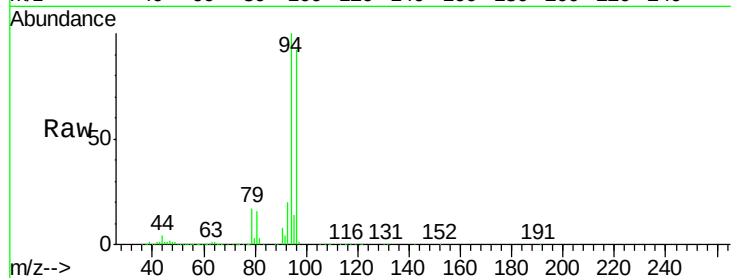
VSTDCCC050

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#6

Chloroethane

Concen: 57.457 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010738.D

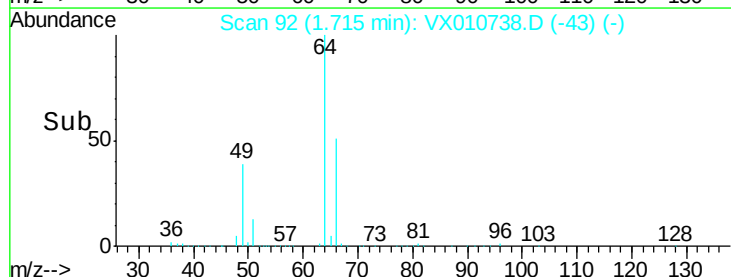
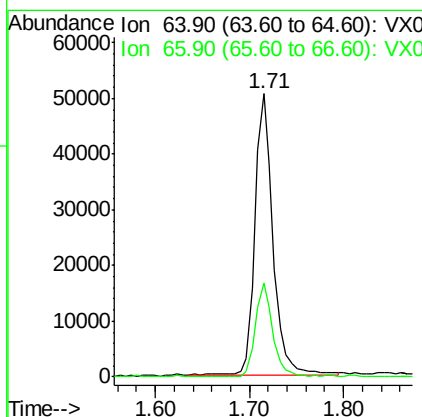
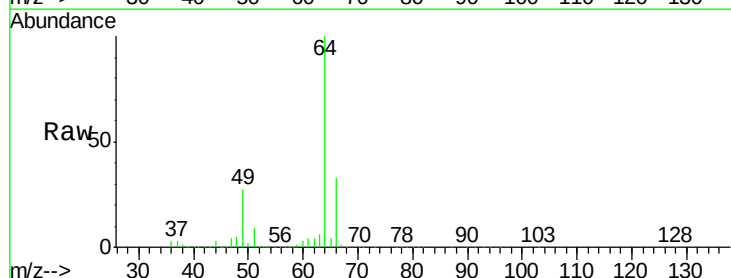
Acq: 09 Jul 2019 09:53

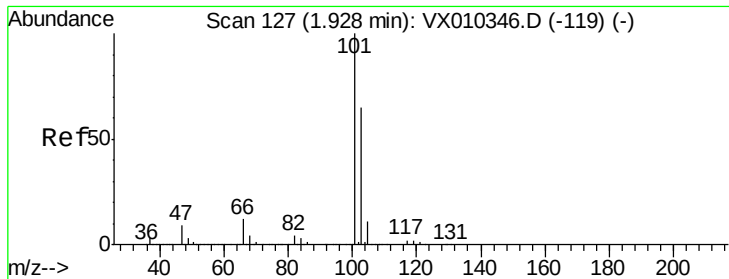
Tgt Ion: 64 Resp: 68438

Ion Ratio Lower Upper

64 100

66 33.2 26.6 40.0





#7

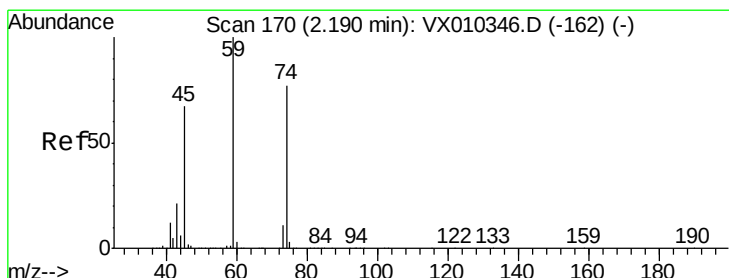
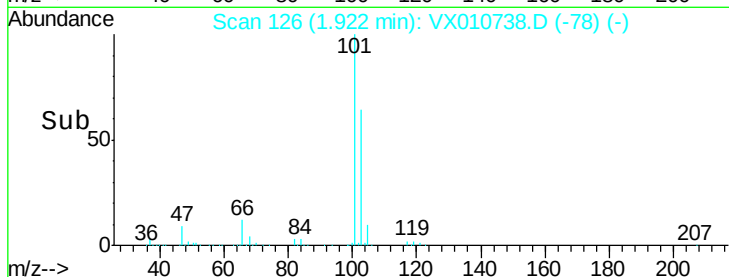
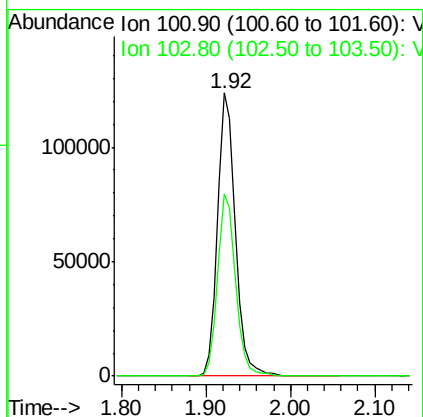
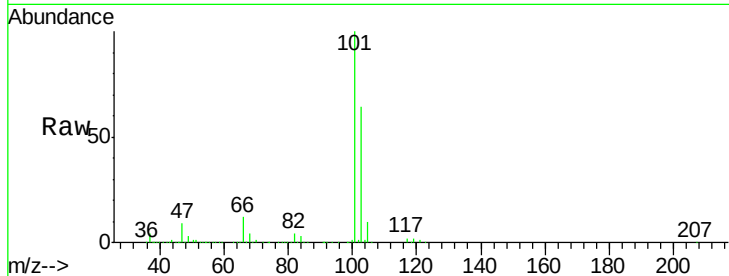
Trichlorofluoromethane
Concen: 56.956 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.3	78.5

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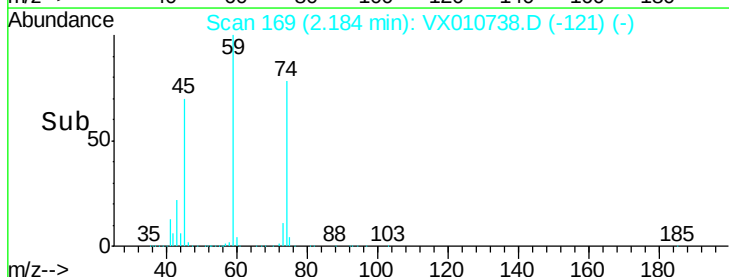
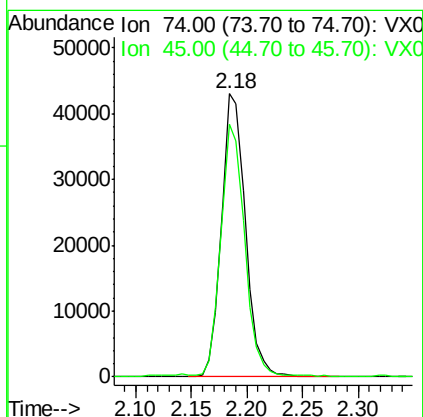
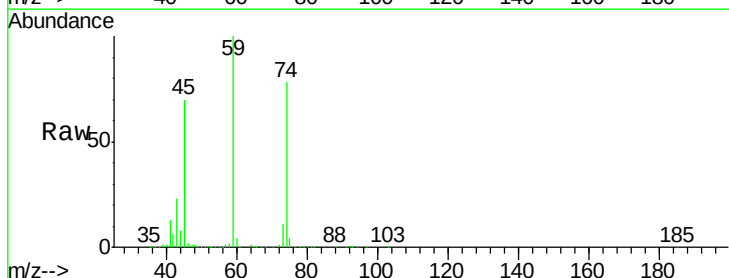
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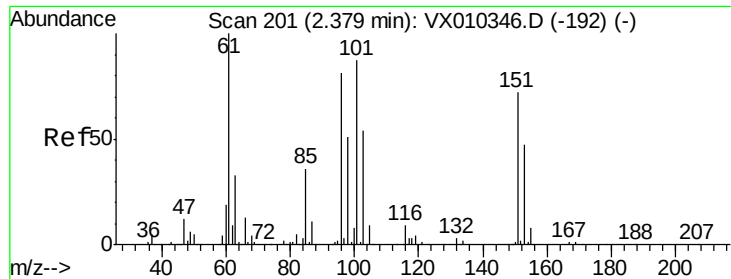


#8

Diethyl Ether
Concen: 56.172 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.6	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.097 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

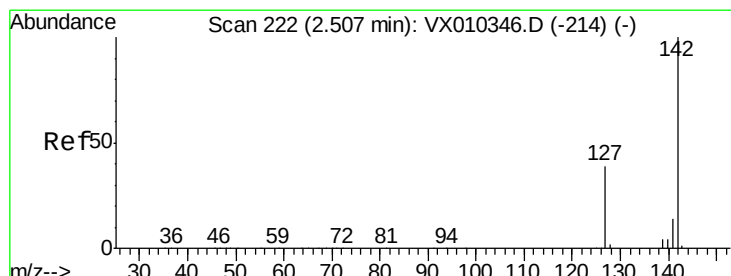
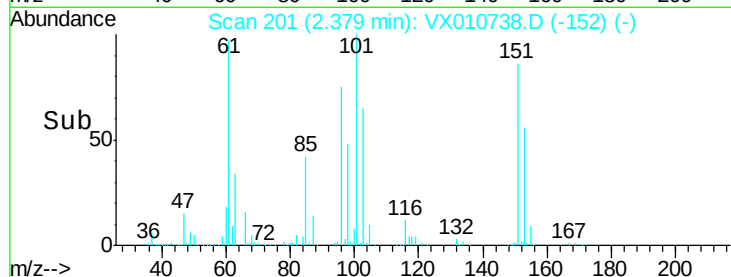
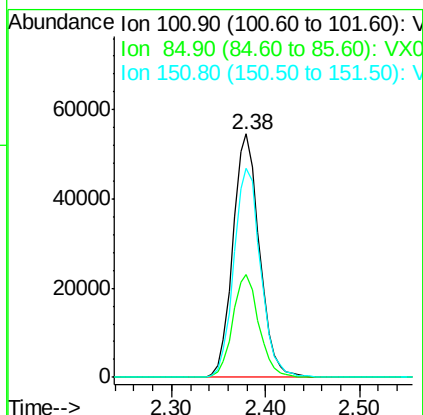
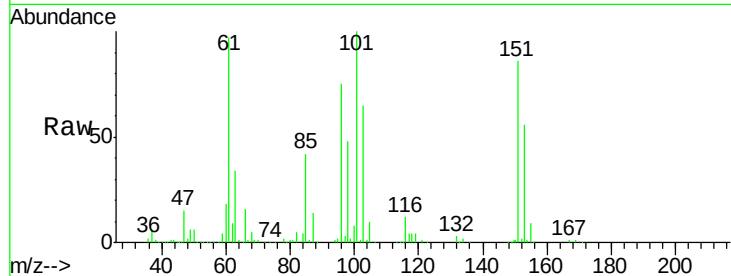
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	106860
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.7	50.5
151	86.8	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 44.399 ug/l

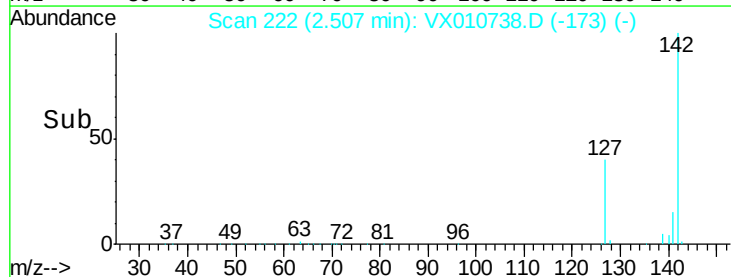
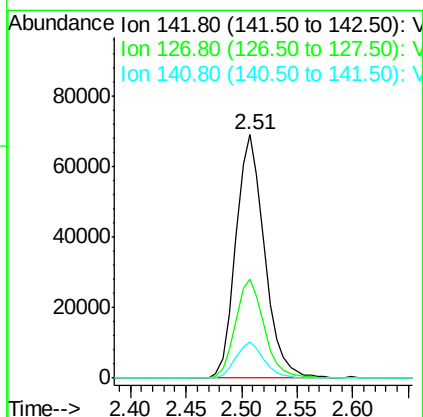
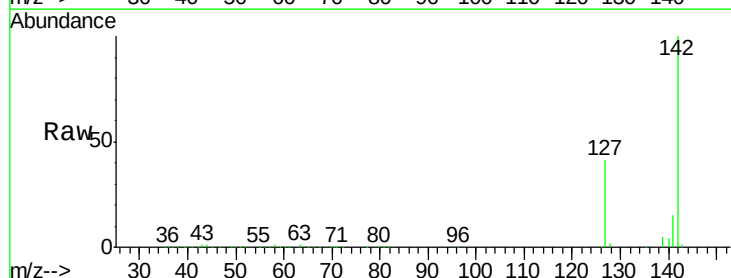
RT: 2.51 min Scan# 222

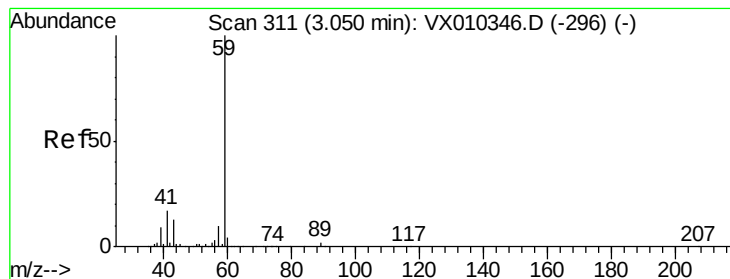
Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Tgt Ion:	142	Resp:	122894
Ion Ratio	Lower	Upper	
142	100		
127	40.9	31.1	46.7
141	14.7	11.2	16.8





#11

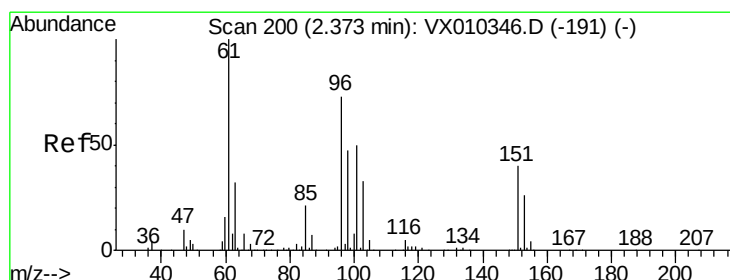
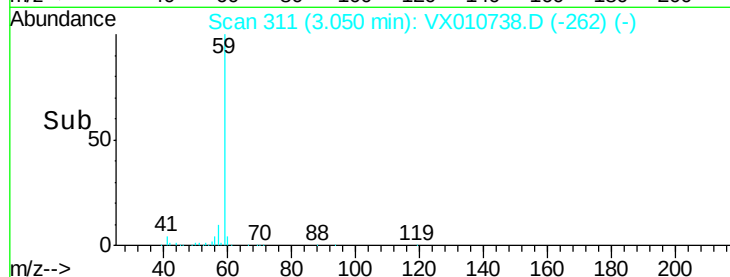
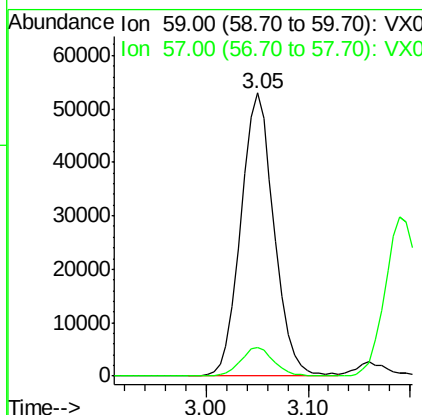
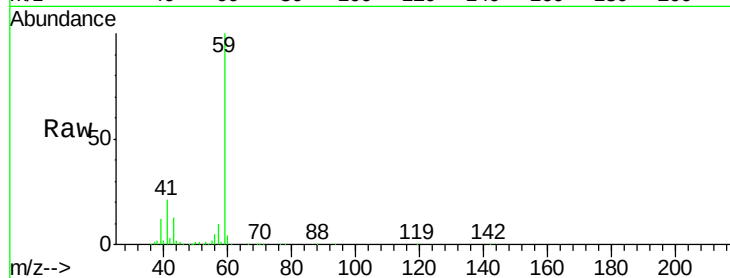
Tert butyl alcohol
Concen: 213.439 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	119229
Ion Ratio	100	Lower	Upper
57	10.3	7.7	11.5

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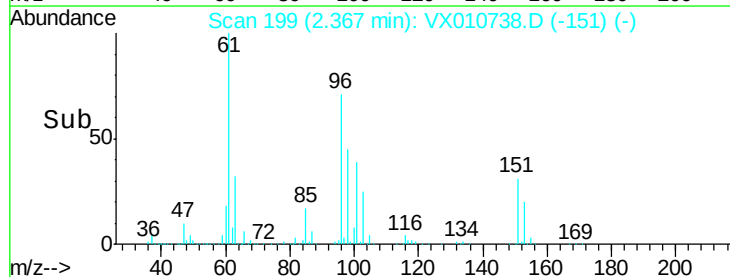
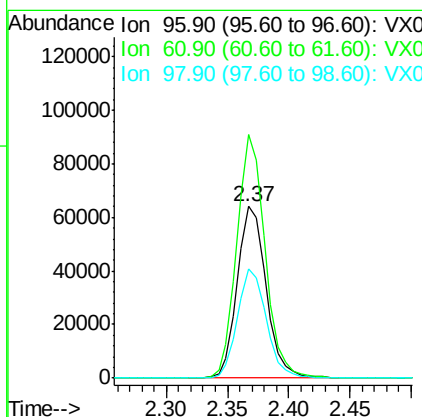
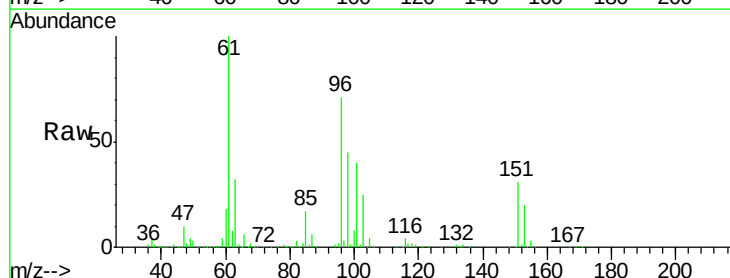
MMDadoda
7/10/2019 10:19:25 AM

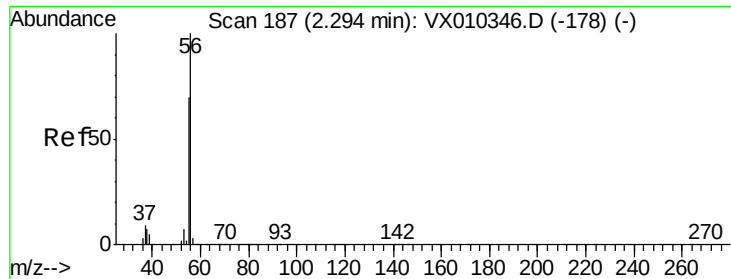


#12

1,1-Dichloroethene
Concen: 53.346 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	96	Resp	105282
Ion Ratio	100	Lower	Upper
61	141.8	109.2	163.8
98	63.4	51.1	76.7





#13

Acrolein

Concen: 238.117 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 88238

Ion Ratio Lower Upper

56 100

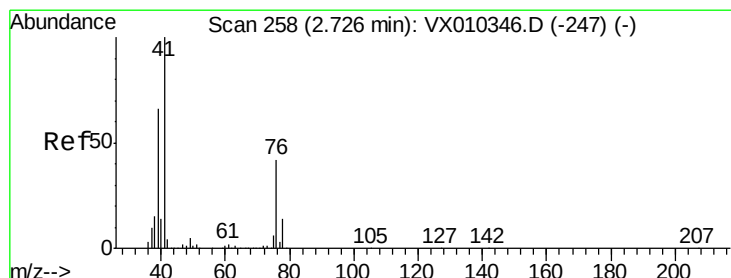
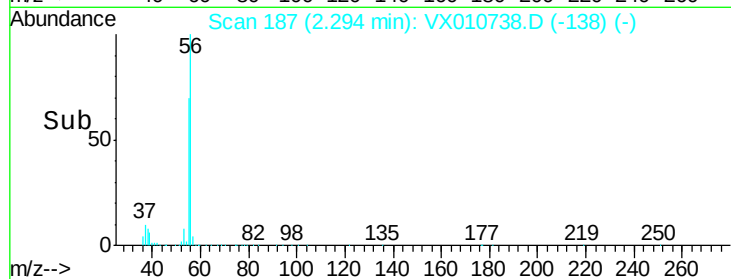
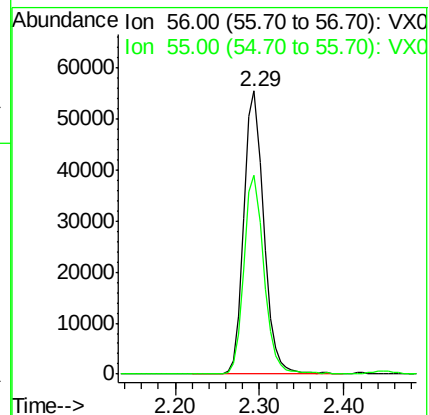
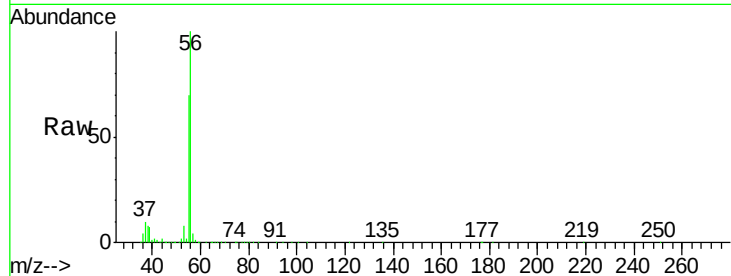
55 70.0 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 53.730 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

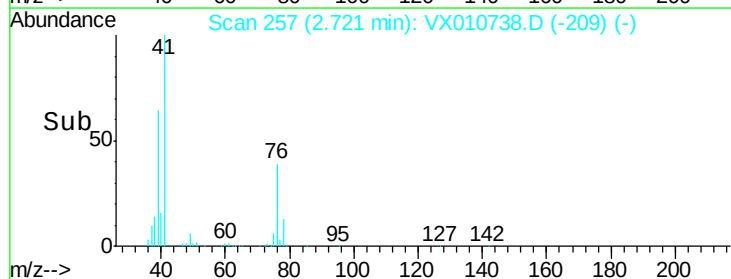
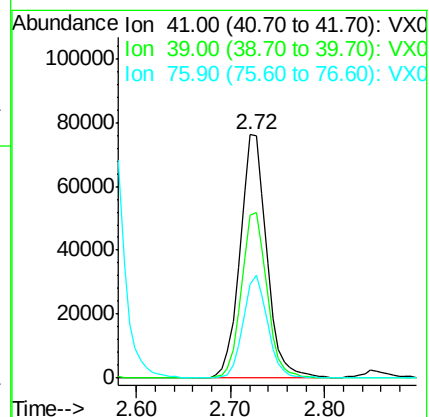
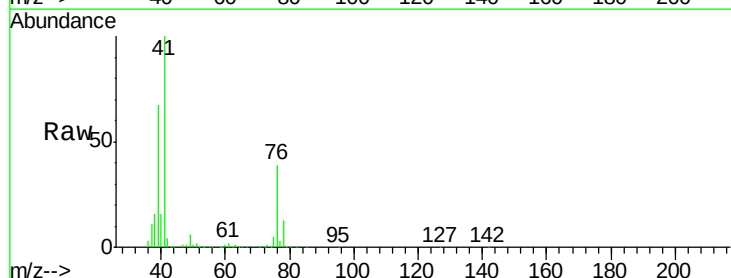
Tgt Ion: 41 Resp: 150544

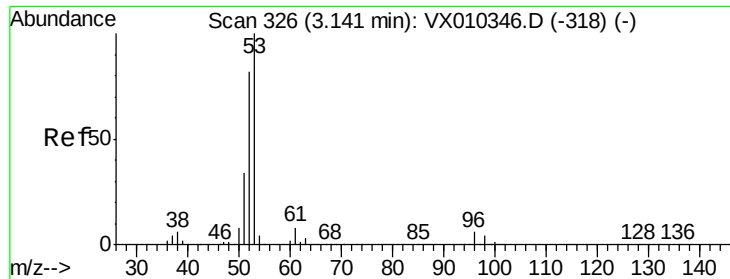
Ion Ratio Lower Upper

41 100

39 65.0 50.3 75.5

76 39.0 31.3 46.9





#15

Acrylonitrile

Concen: 259.196 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

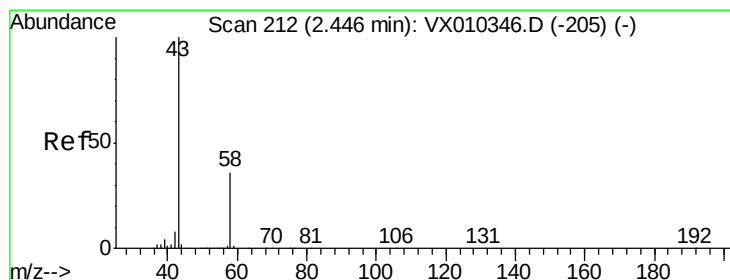
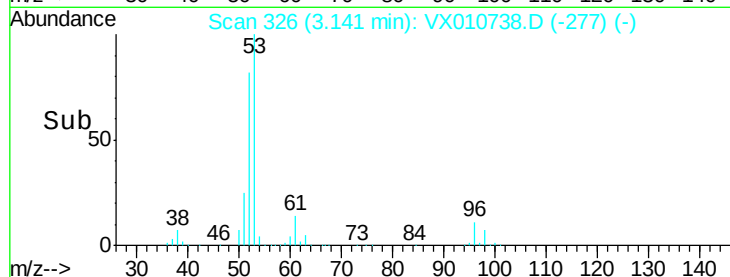
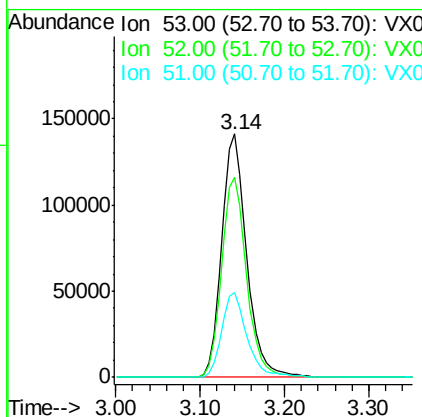
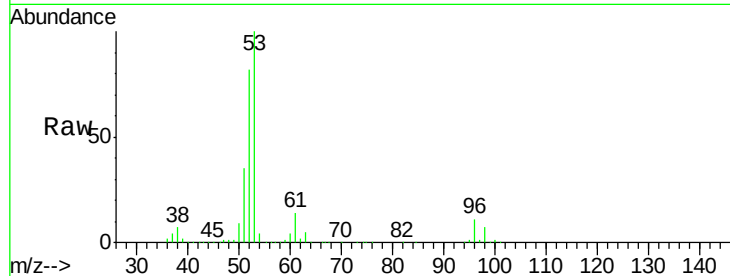
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	286666
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.5	98.3
51	35.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 287.886 ug/l

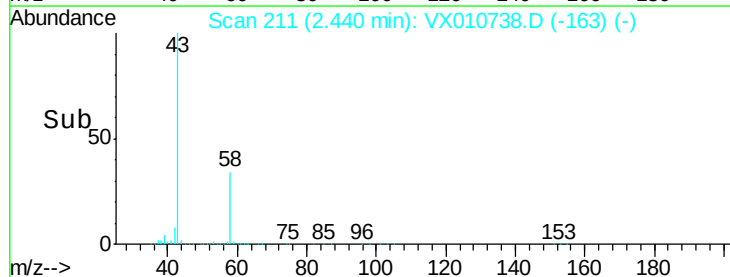
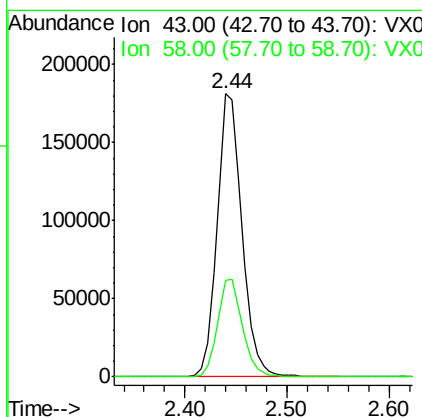
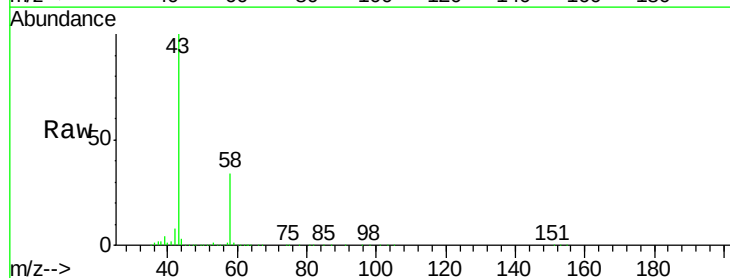
RT: 2.44 min Scan# 211

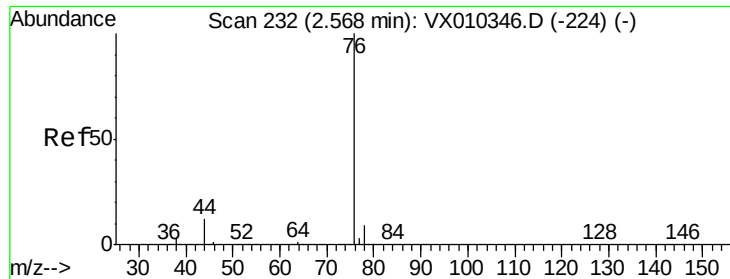
Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Tgt Ion:	43	Resp:	308008
Ion Ratio	Lower	Upper	
43	100		
58	33.9	28.9	43.3





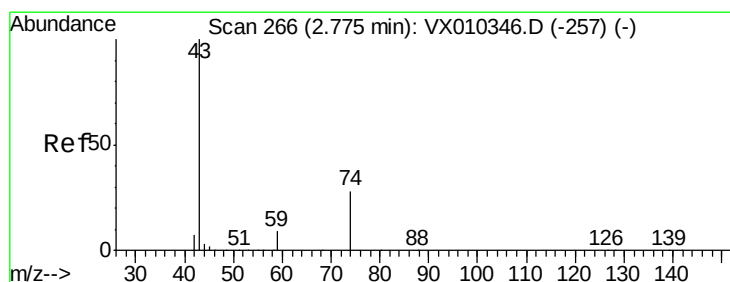
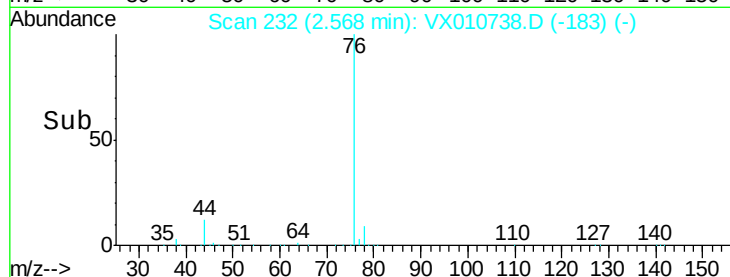
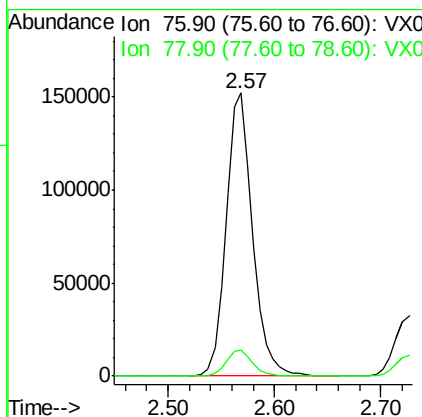
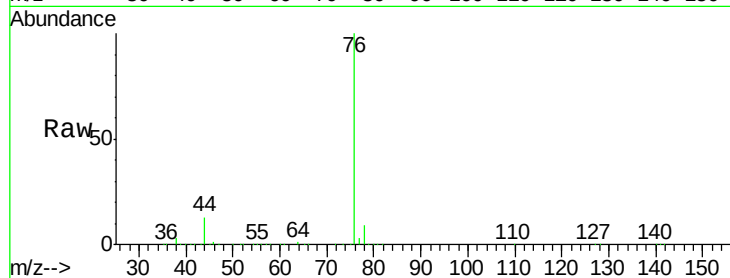
#17
Carbon Disulfide
Concen: 49.824 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

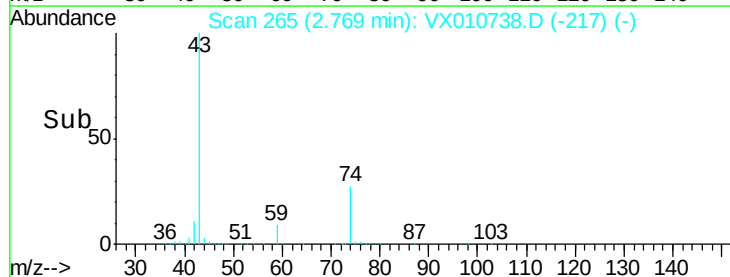
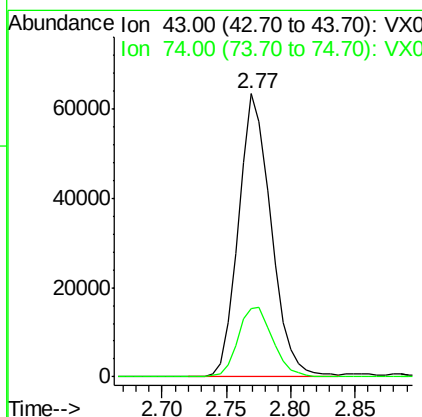
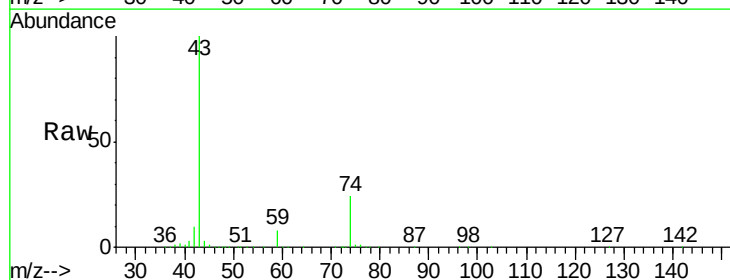
Manual Integrations
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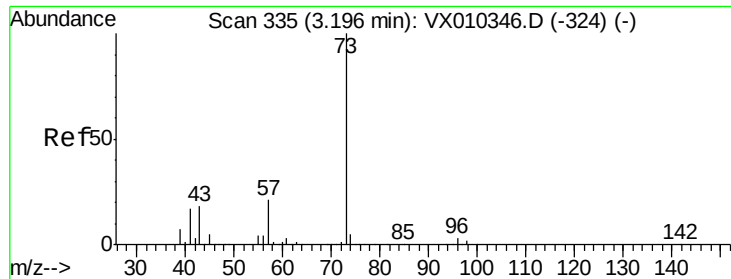
MMDadoda
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#18
Methyl Acetate
Concen: 51.849 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	21.3	31.9





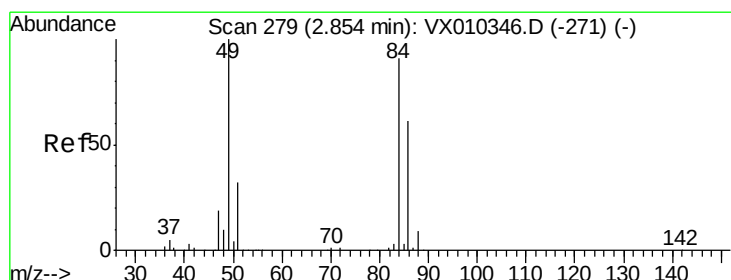
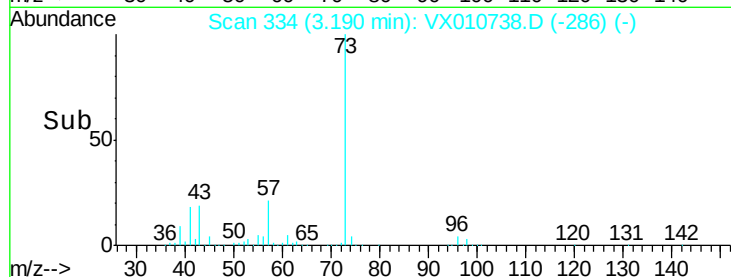
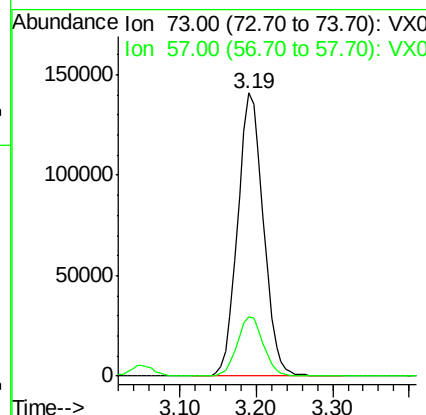
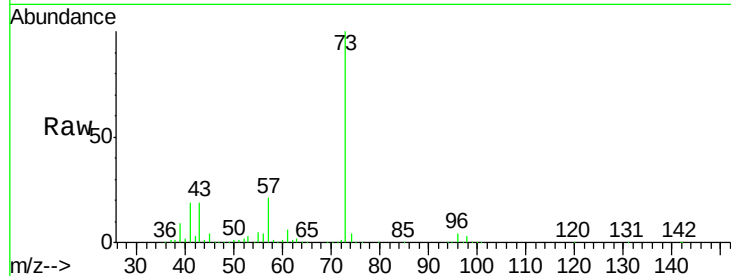
#19
Methyl tert-butyl Ether
Concen: 52.903 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.4	24.6

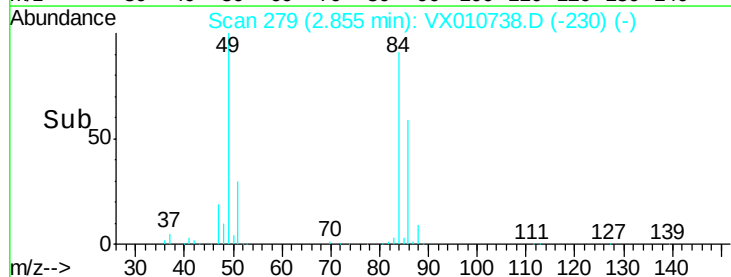
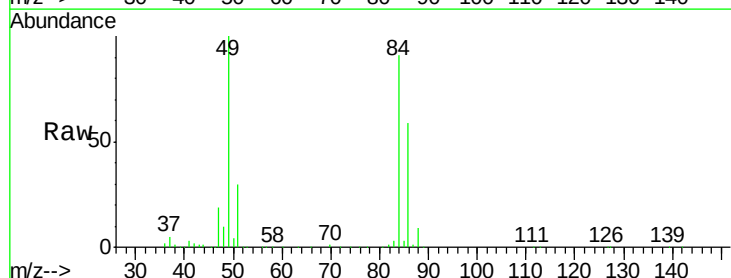
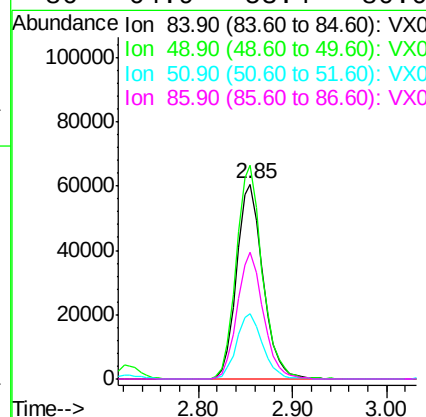
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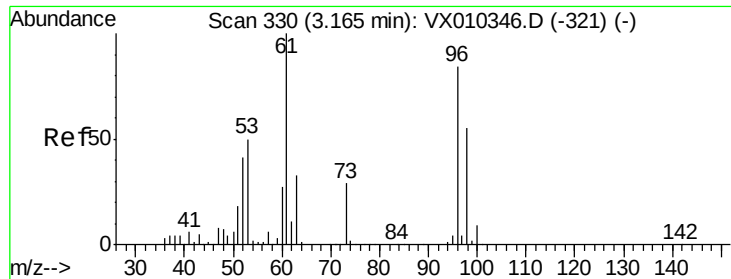
MMDadoda
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#20
Methylene Chloride
Concen: 53.316 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.6	87.5	131.3
51	33.1	27.7	41.5
86	64.9	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 52.708 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 111876

Ion Ratio Lower Upper

96 100

61 119.3 95.6 143.4

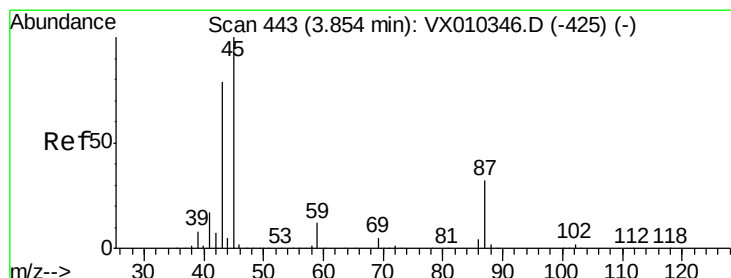
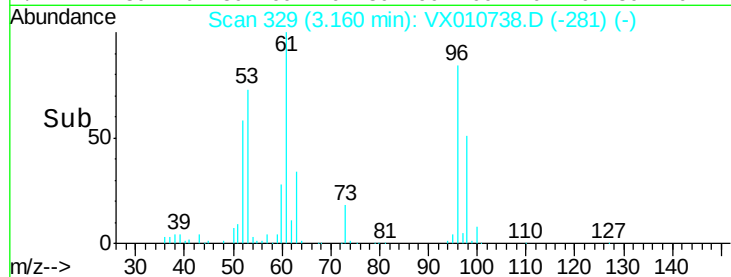
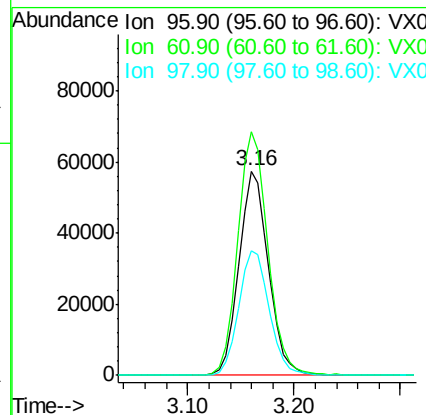
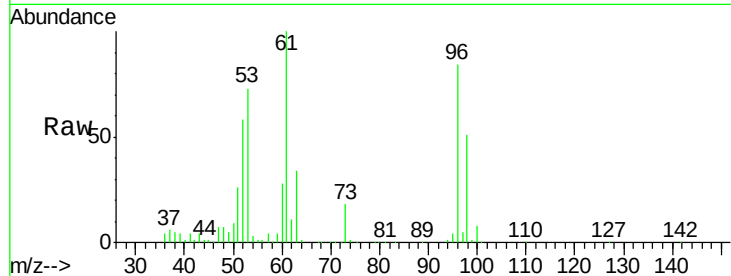
98 61.0 52.5 78.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.472 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Tgt Ion: 45 Resp: 313243

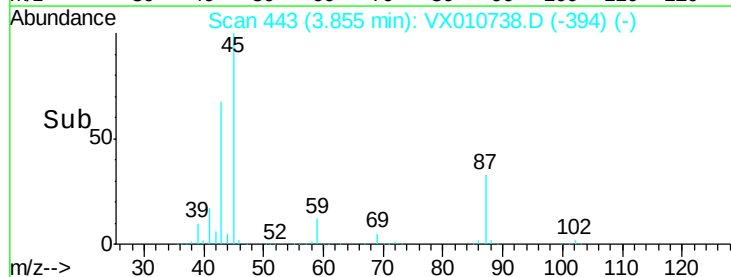
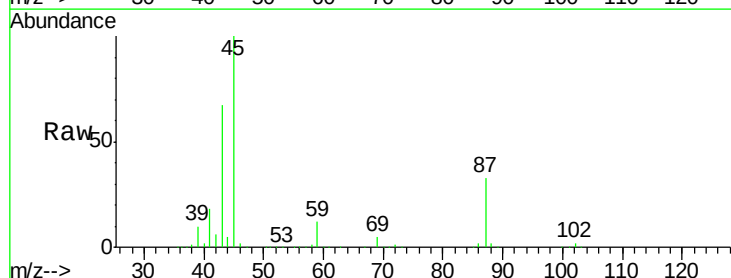
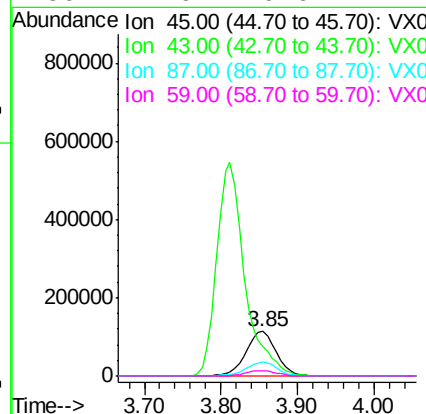
Ion Ratio Lower Upper

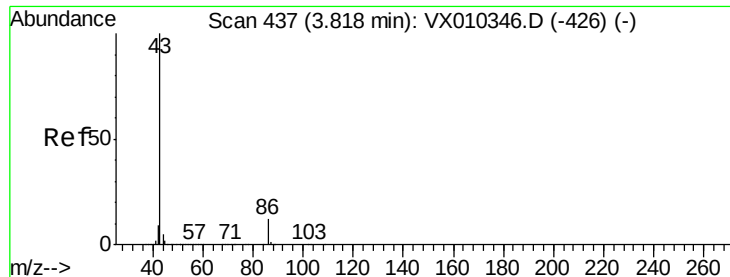
45 100

43 66.6 63.3 94.9

87 32.6 25.8 38.8

59 11.9 9.6 14.4





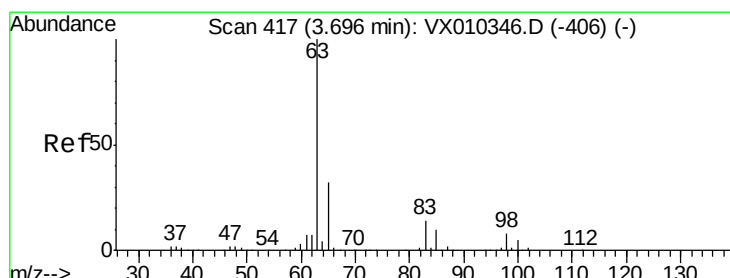
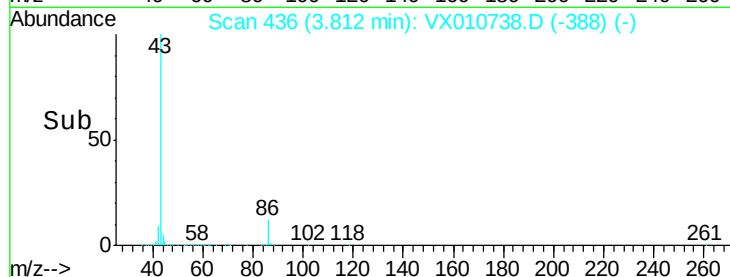
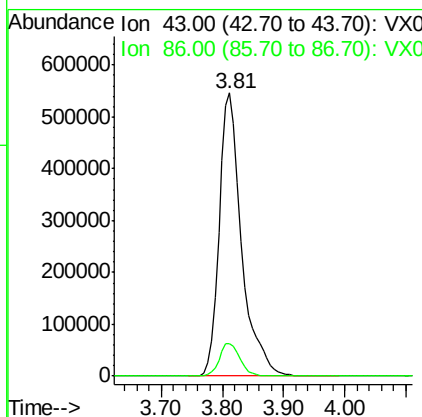
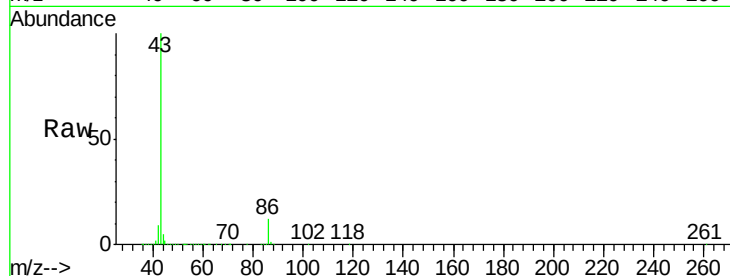
#23
 Vinyl Acetate
 Concen: 275.278 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1393115
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.9 14.9

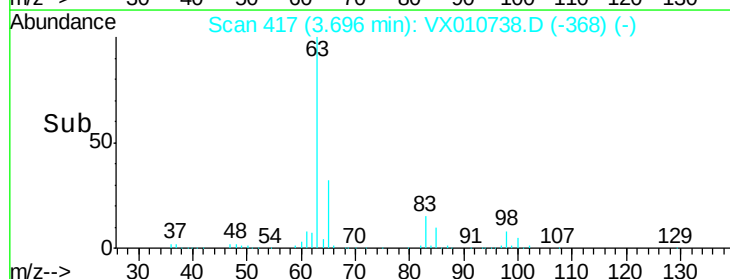
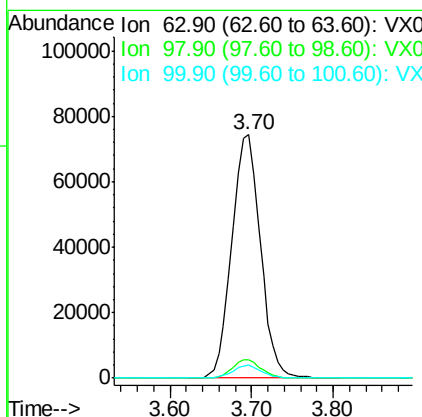
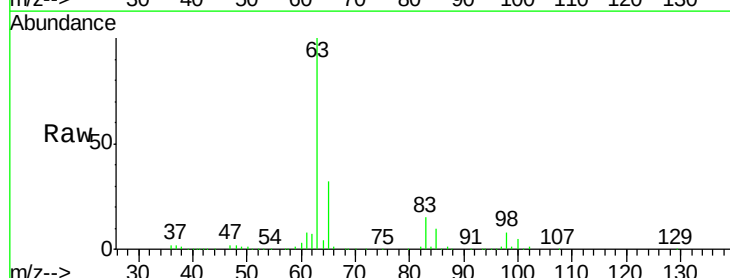
Manual Integrations
 APPROVED

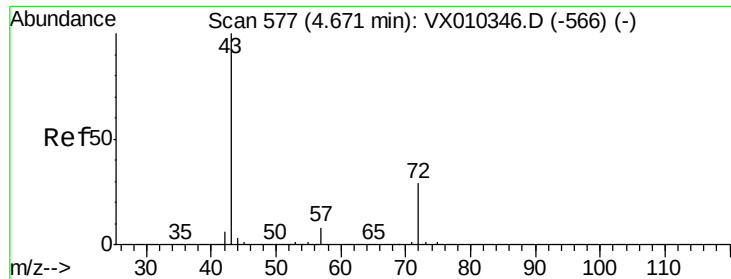
MMDadoda
 7/10/2019 10:19:25 AM



#24
 1,1-Dichloroethane
 Concen: 53.157 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Tgt Ion: 63 Resp: 179998
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.9 11.7
 100 5.3 2.4 7.1





#25

2-Butanone

Concen: 267.974 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 420560

Ion Ratio Lower Upper

43 100

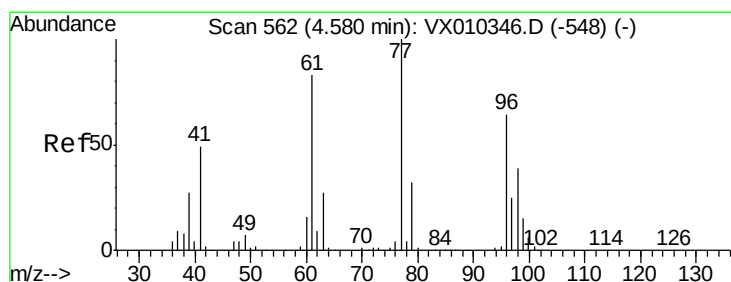
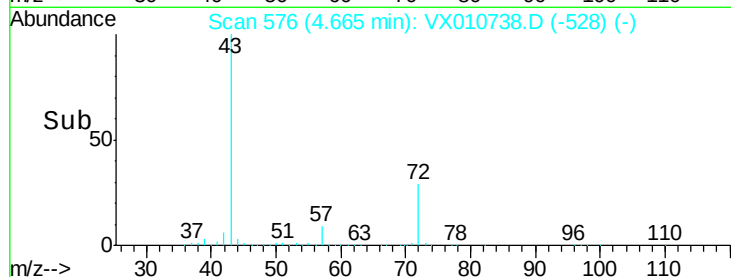
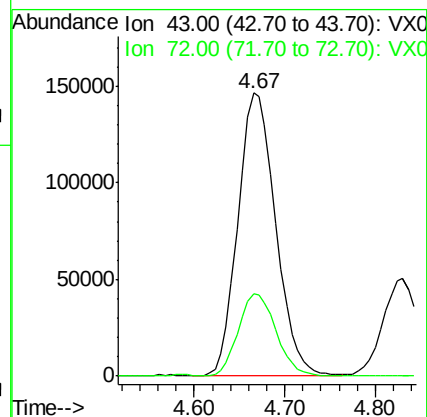
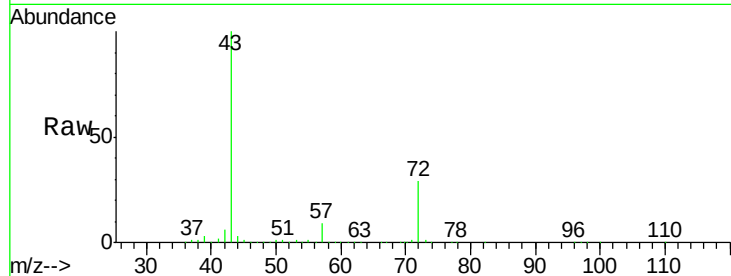
72 29.1 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.879 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010738.D

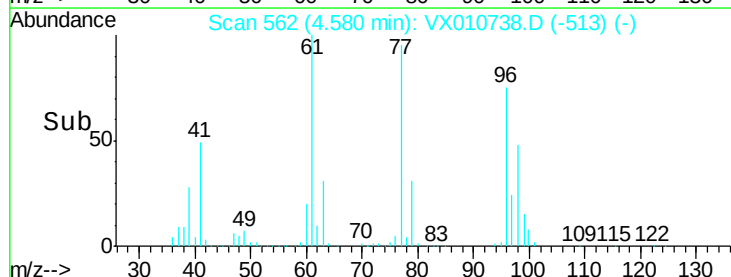
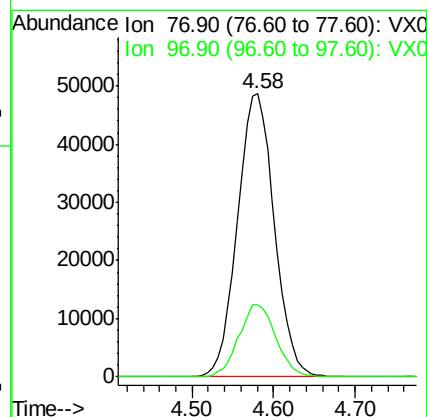
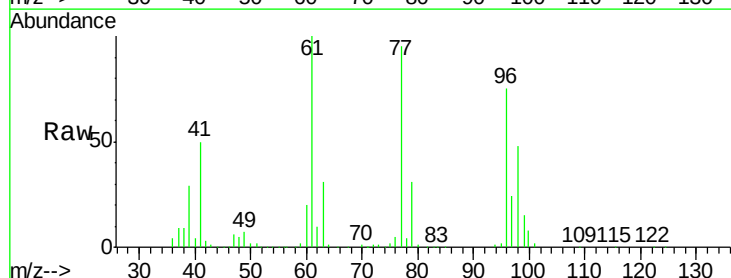
Acq: 09 Jul 2019 09:53

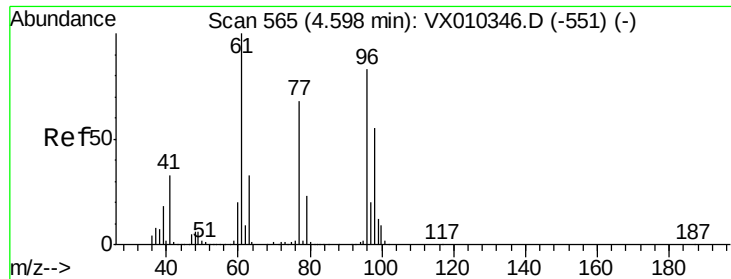
Tgt Ion: 77 Resp: 152604

Ion Ratio Lower Upper

77 100

97 25.7 13.1 39.3





#27

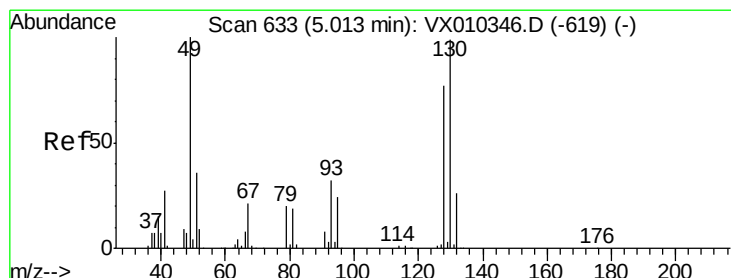
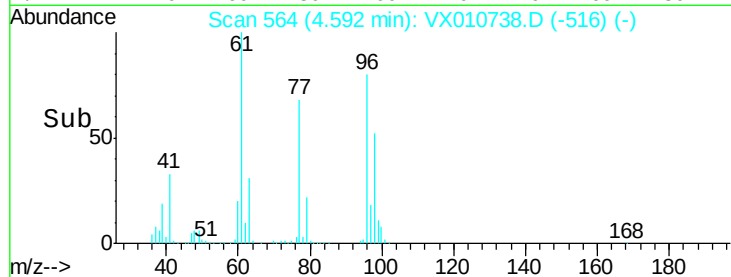
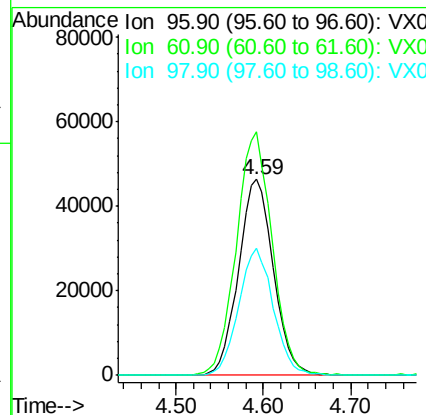
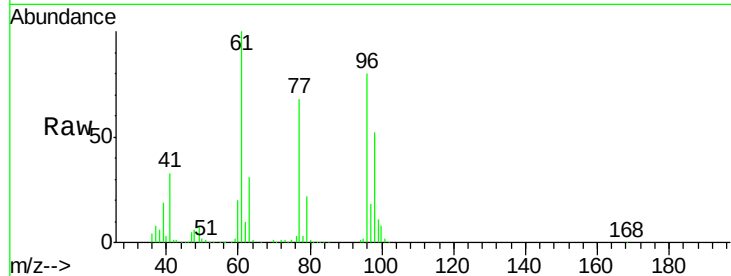
cis-1,2-Dichloroethene
 Concen: 52.384 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	251.8
98	64.5	0.0	129.4

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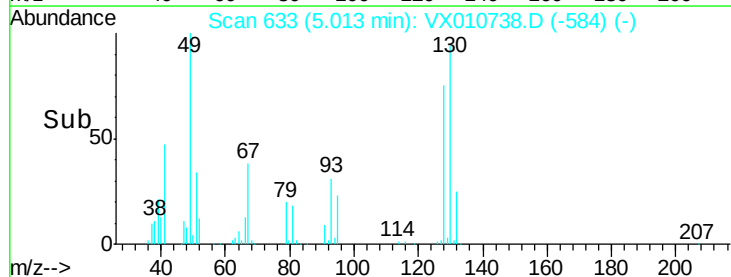
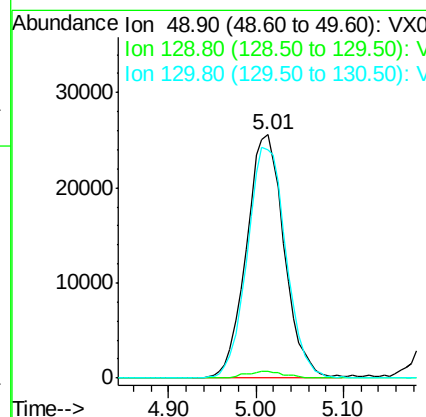
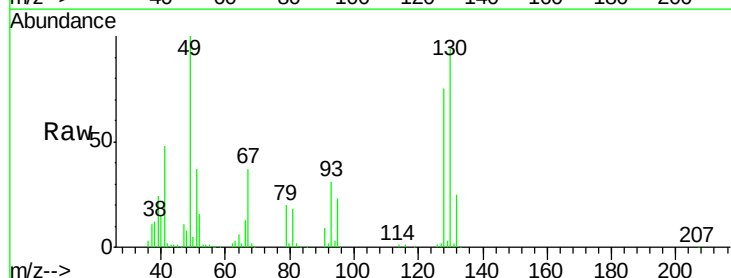
MMDadoda
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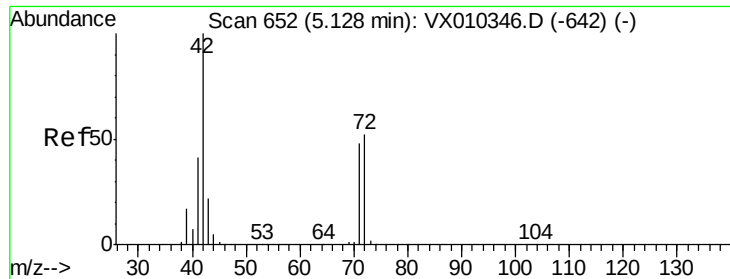


#28

Bromochloromethane
 Concen: 47.256 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	97.9	81.4	122.0





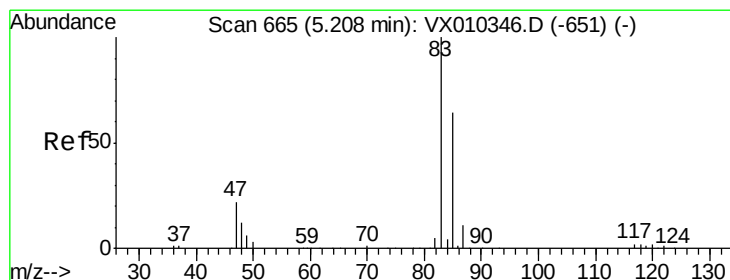
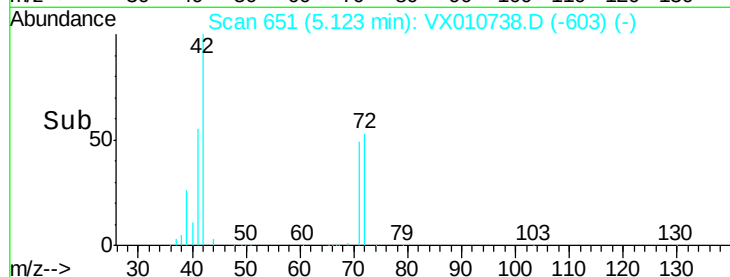
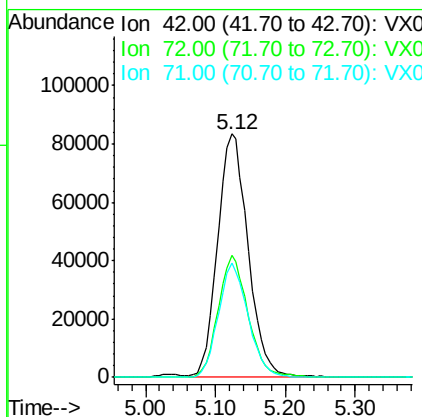
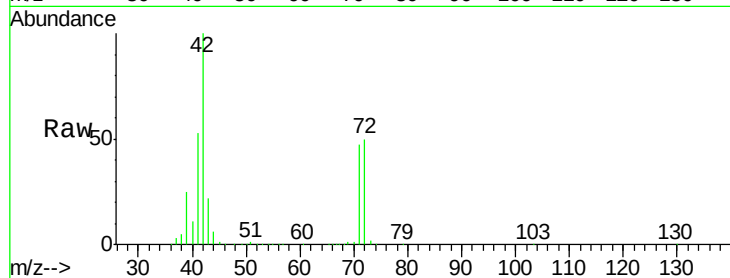
#29
Tetrahydrofuran
Concen: 258.667 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	40.6	60.8
71	46.1	37.8	56.8

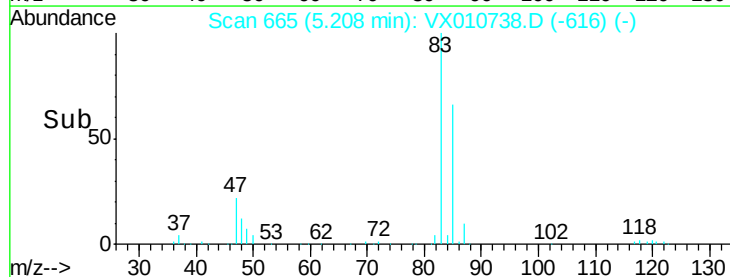
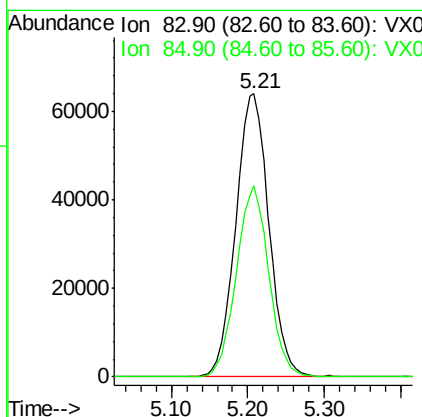
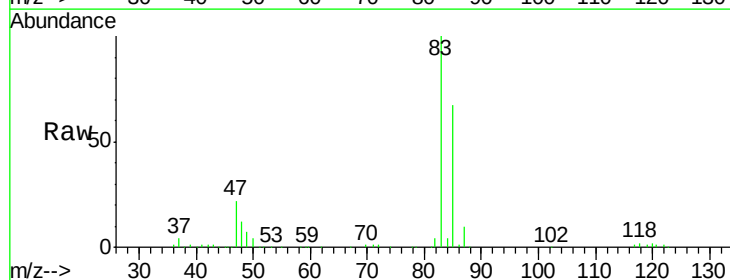
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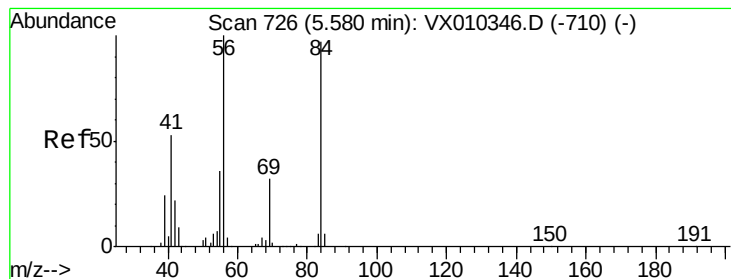
MMDadoda
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#30
Chloroform
Concen: 52.716 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	50.9	76.3





#31

Cyclohexane

Concen: 54.200 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

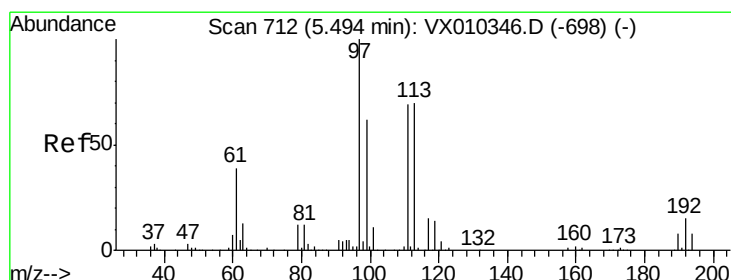
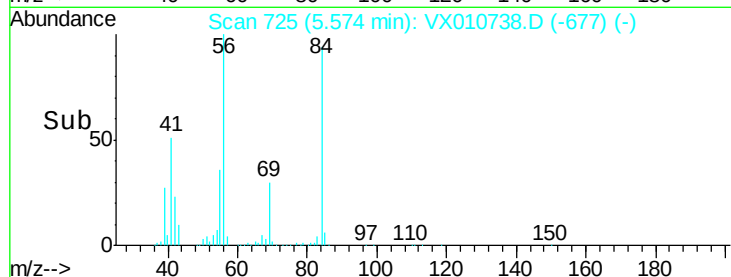
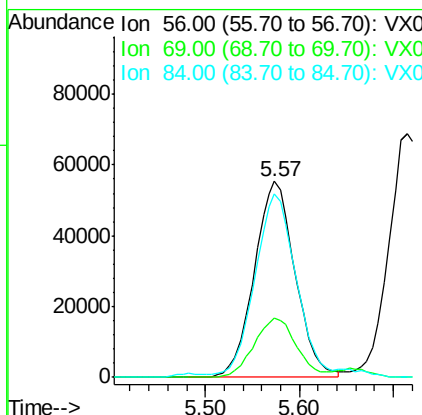
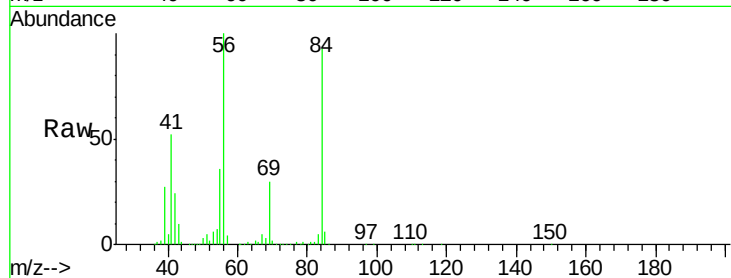
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.9	38.9
84	91.7	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 52.548 ug/l

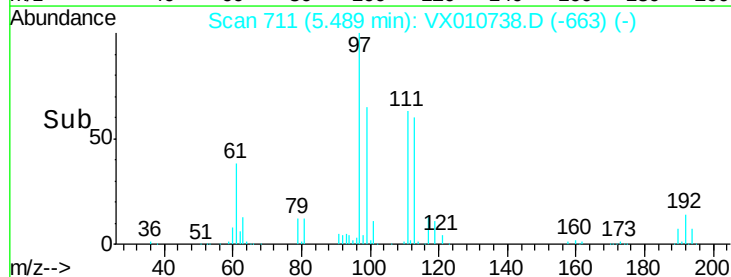
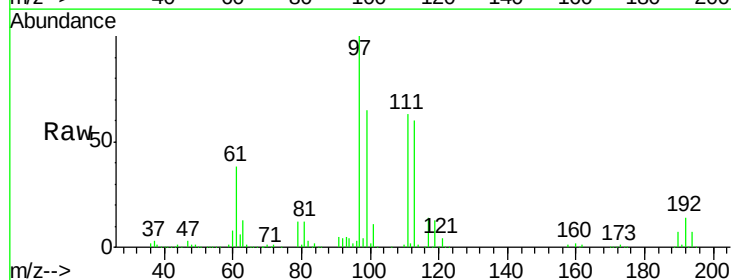
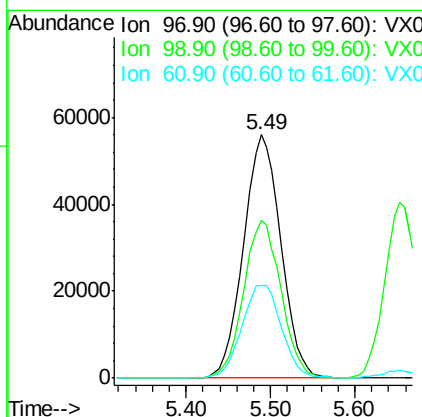
RT: 5.49 min Scan# 711

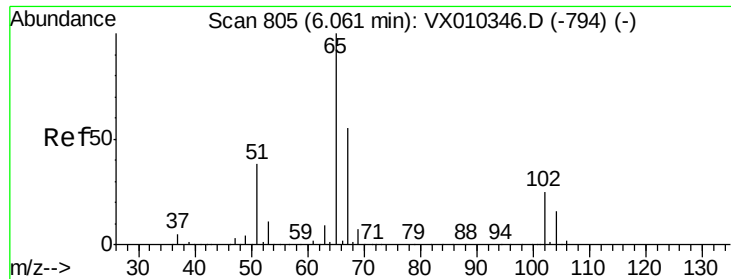
Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	40.5	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 48.732 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Tot Ion: 65 Resp: 104034

Ion Ratio Lower Upper

65 100

67 55.4 0.0 110.2

Instrument :

MSVOA_X

ClientSampleId :

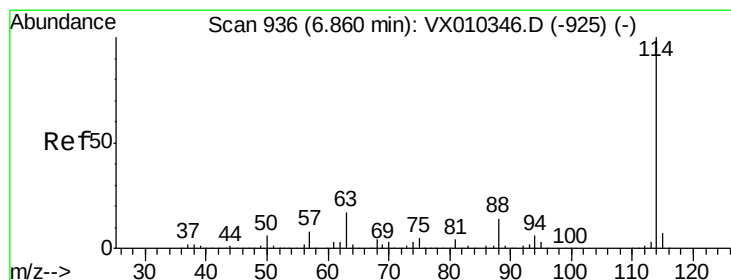
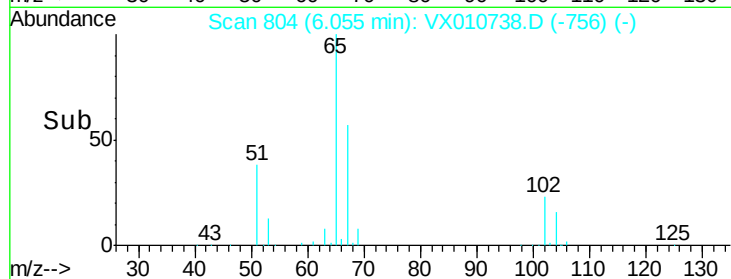
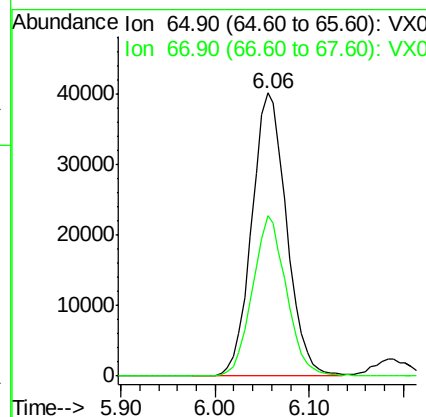
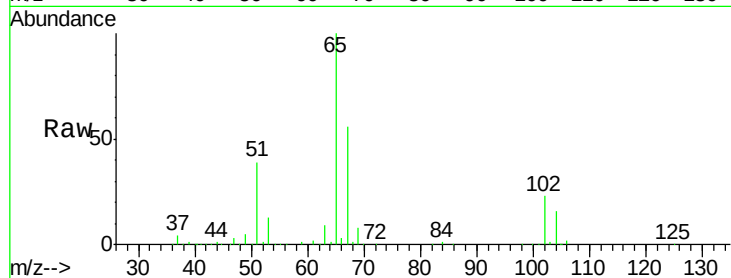
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

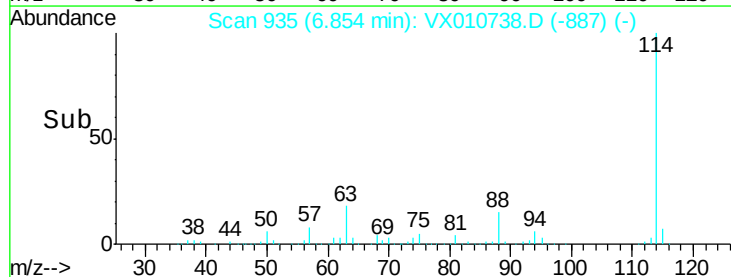
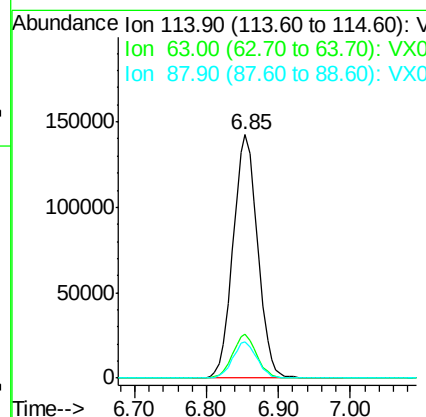
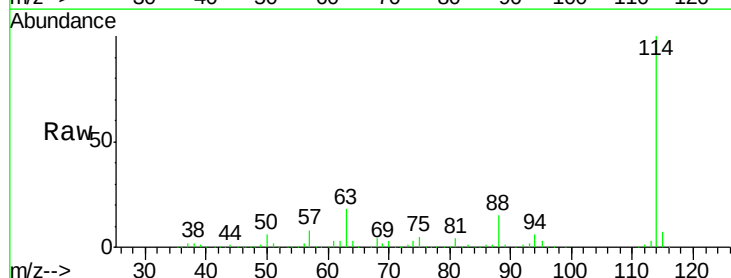
Tgt Ion: 114 Resp: 338161

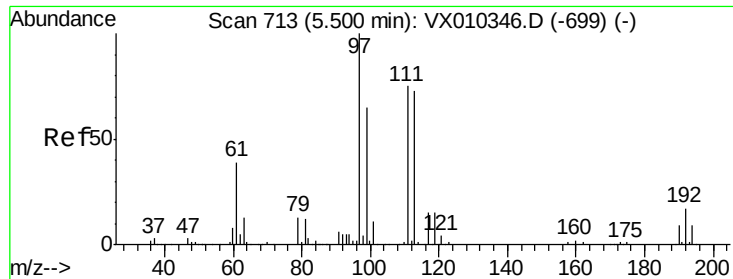
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

88 14.9 0.0 27.6





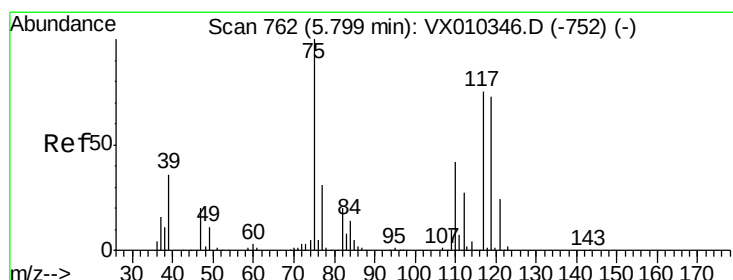
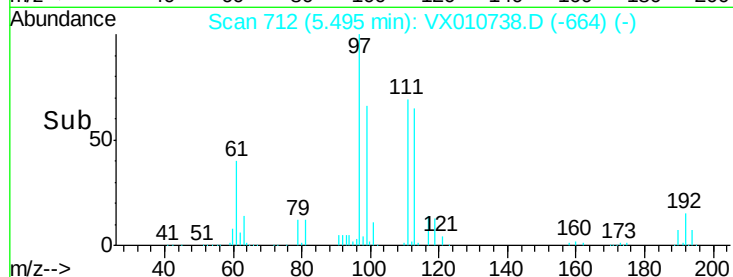
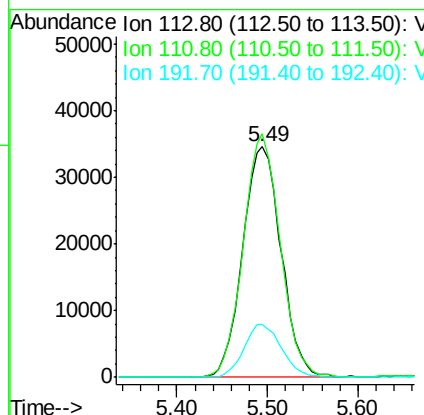
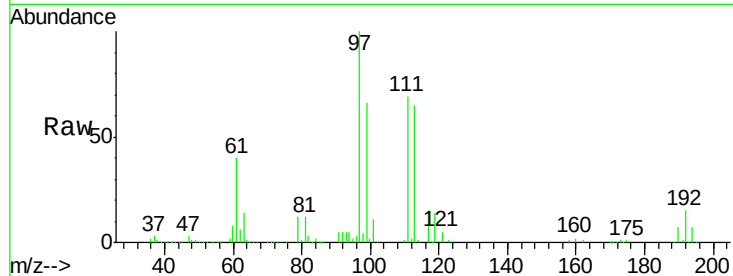
#35
Dibromofluoromethane
Concen: 49.051 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101487		
111	101.7	81.2	121.8	
192	22.4	18.6	27.8	

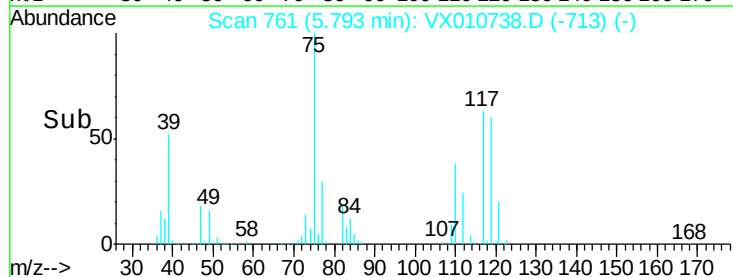
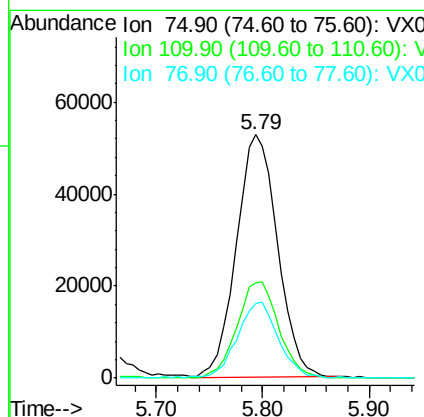
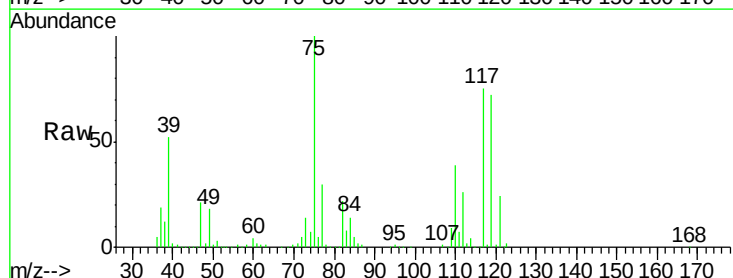
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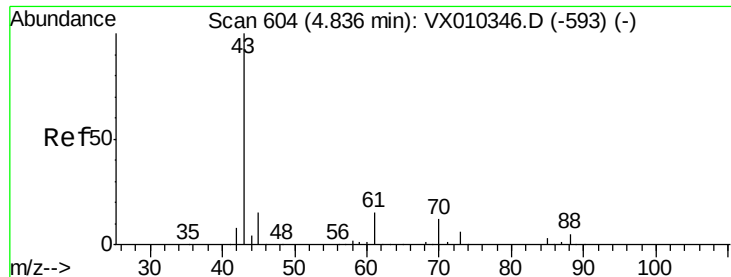
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#36
1,1-Dichloropropene
Concen: 53.142 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142803		
110	40.6	20.8	62.2	
77	31.5	25.4	38.0	





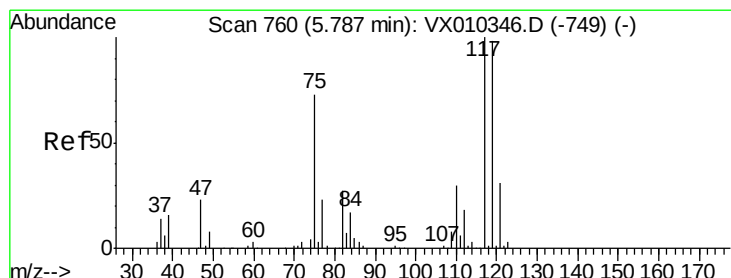
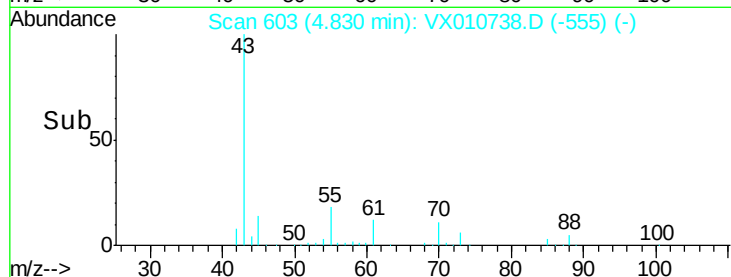
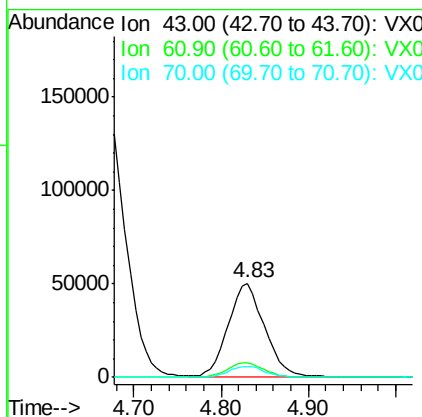
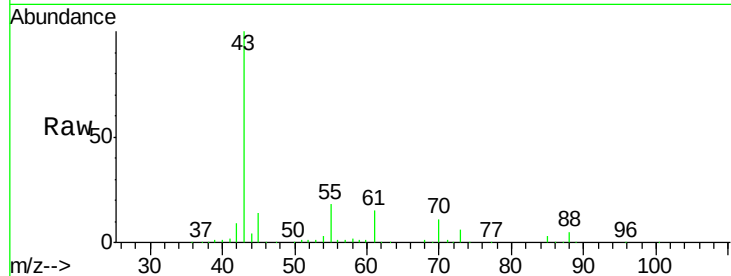
#37
Ethyl Acetate
Concen: 52.402 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	144865
Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.4	18.6
70	11.8	9.8	14.8

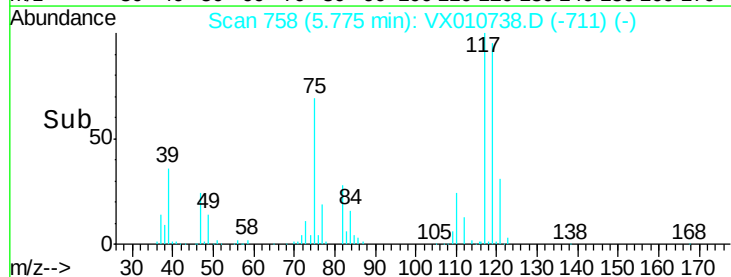
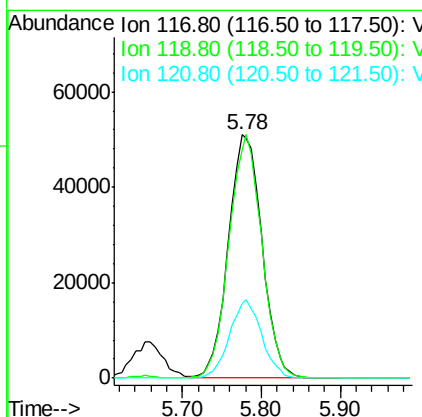
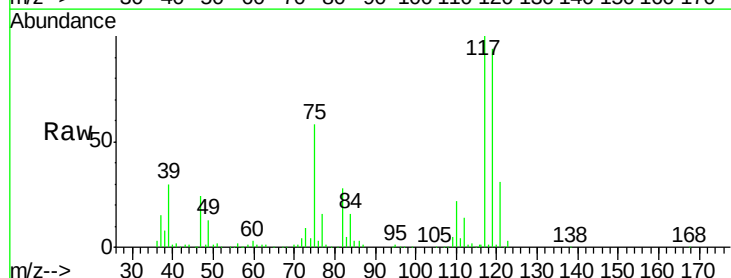
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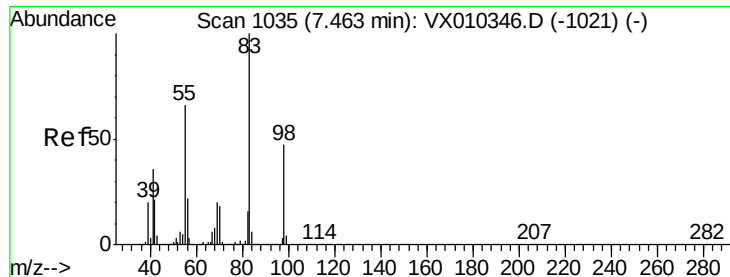
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#38
Carbon Tetrachloride
Concen: 52.049 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion:	117	Resp:	151457
Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.2	117.4
121	30.8	24.7	37.1





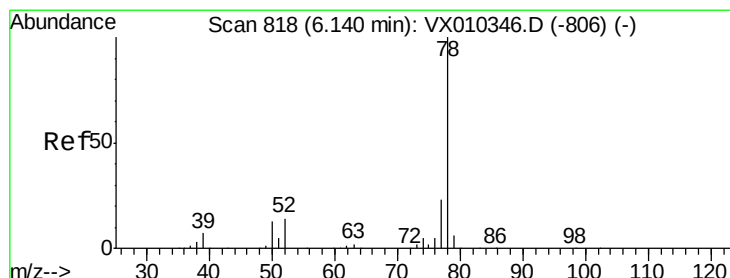
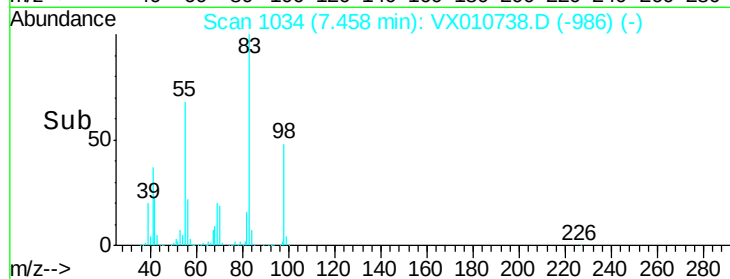
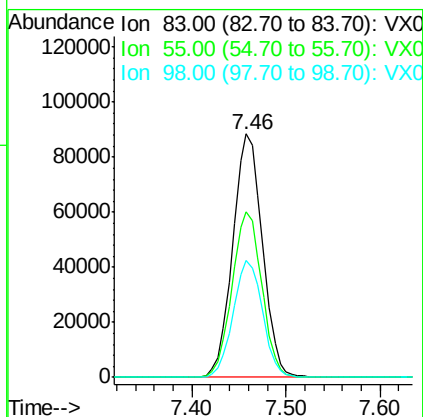
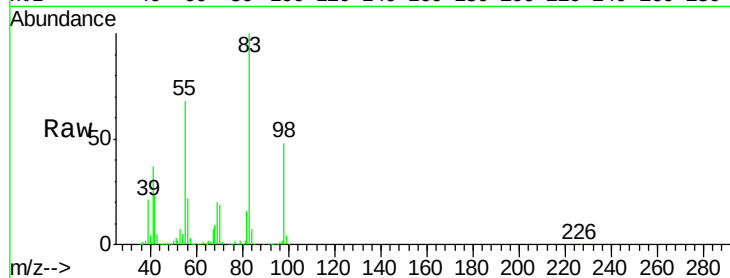
#39
Methylvlcyclohexane
Concen: 54.624 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.7	53.0	79.6
98	47.8	37.8	56.8

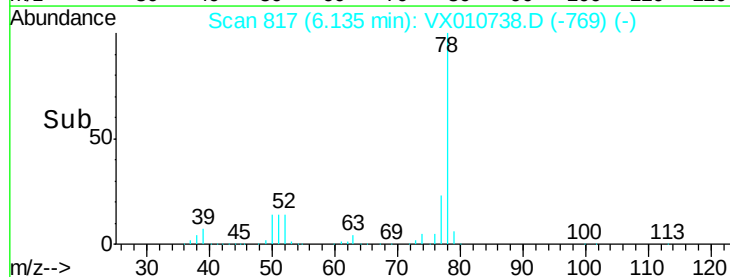
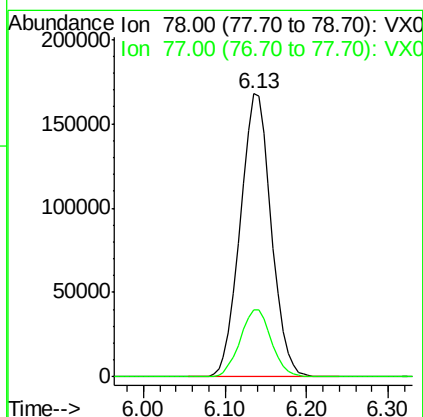
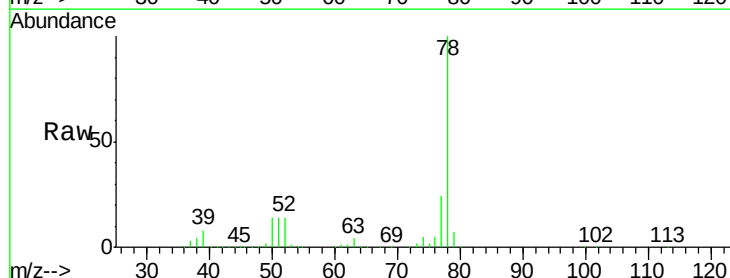
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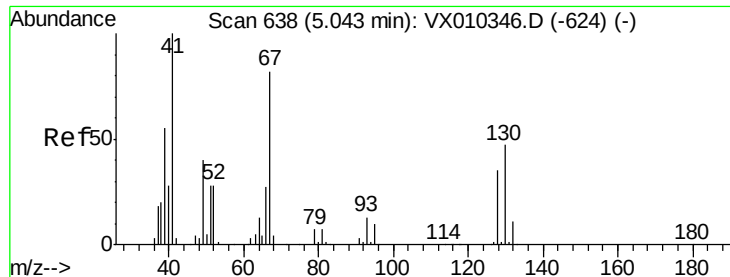
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#40
Benzene
Concen: 52.830 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0





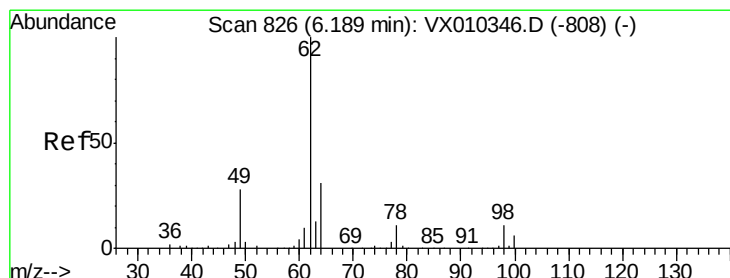
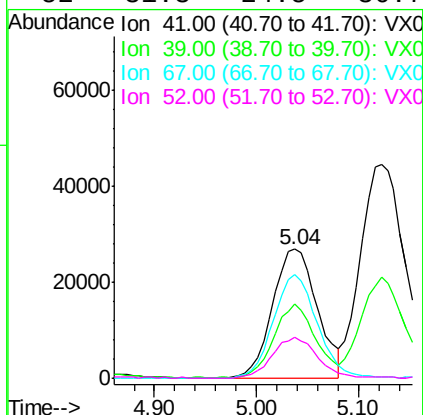
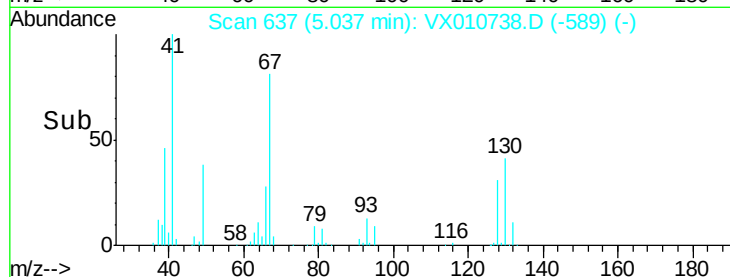
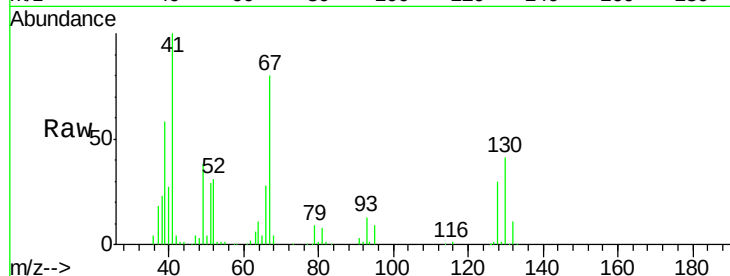
#41
Methacrylonitrile
Concen: 54.227 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	82253
Ion	Ratio	Lower	Upper
41	100		
39	52.6	43.8	65.8
67	78.5	66.6	100.0
52	31.3	24.5	36.7

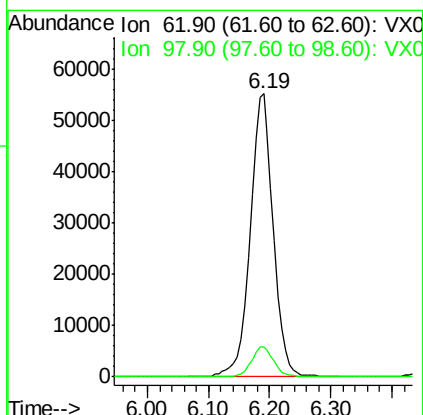
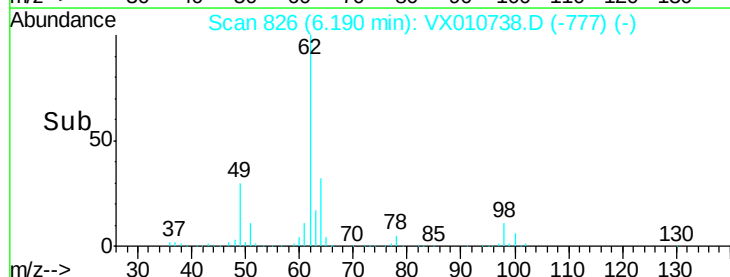
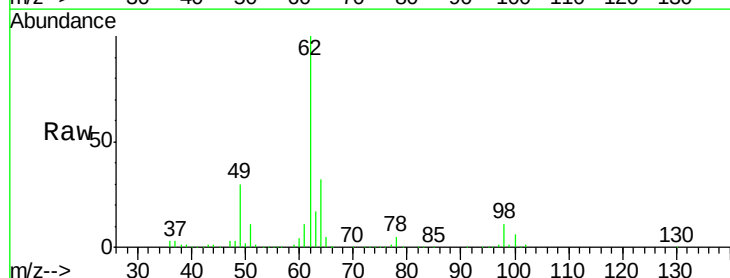
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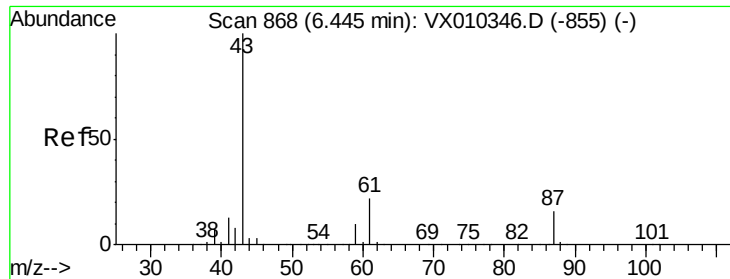
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#42
1,2-Dichloroethane
Concen: 57.034 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion:	62	Resp:	145346
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	22.2





#43

Isopropyl Acetate

Concen: 52.614 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

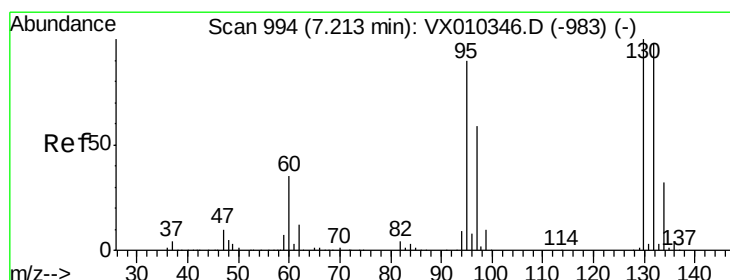
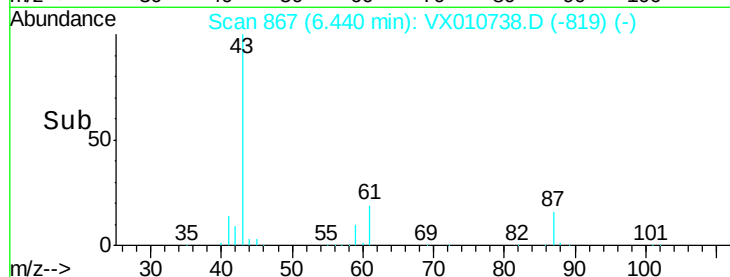
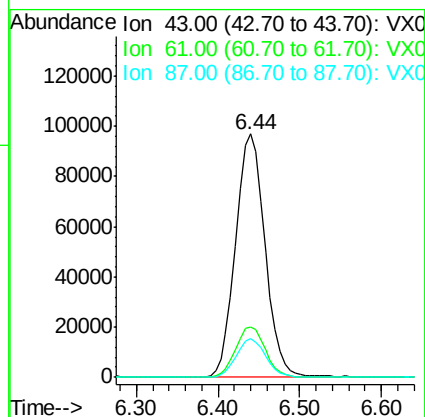
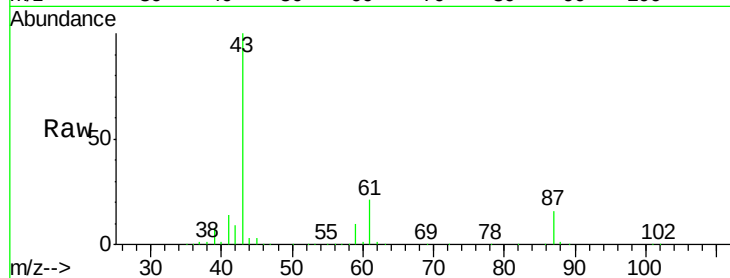
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	240644
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.8	26.6
87	16.1	13.0	19.4

Manual Integrations
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7/10/2019 10:19:25 AM



#44

Trichloroethene

Concen: 52.490 ug/l

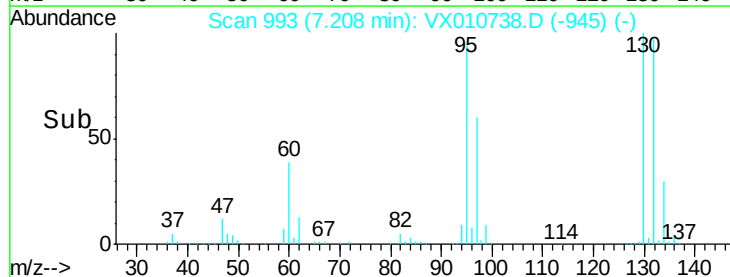
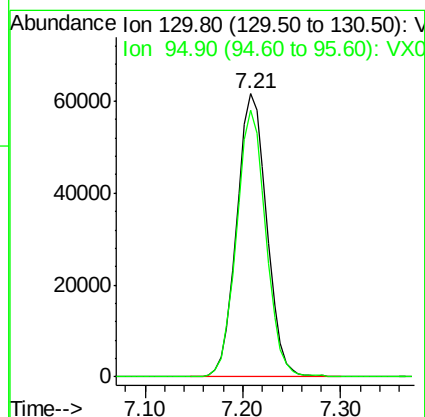
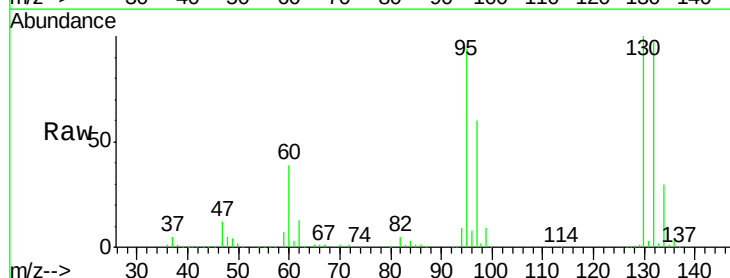
RT: 7.21 min Scan# 993

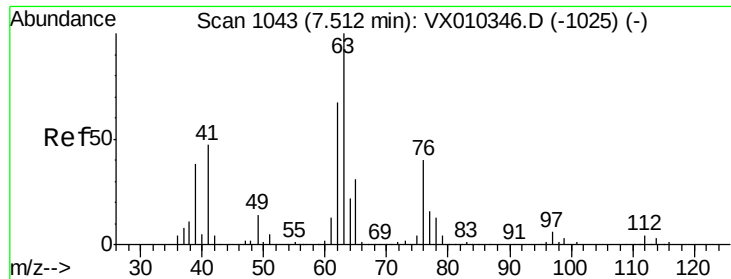
Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Tgt Ion:	130	Resp:	131493
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	180.8





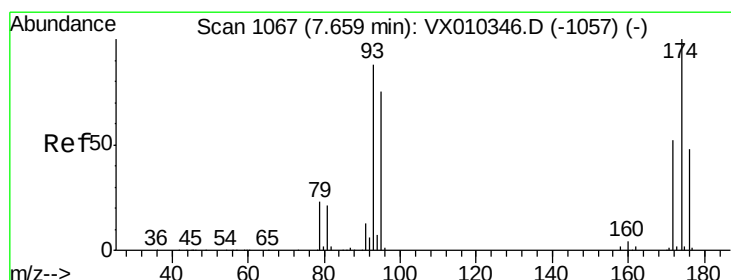
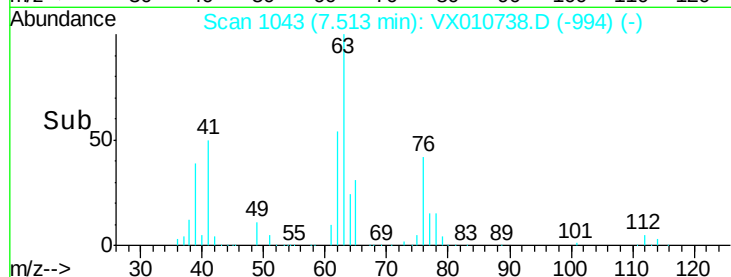
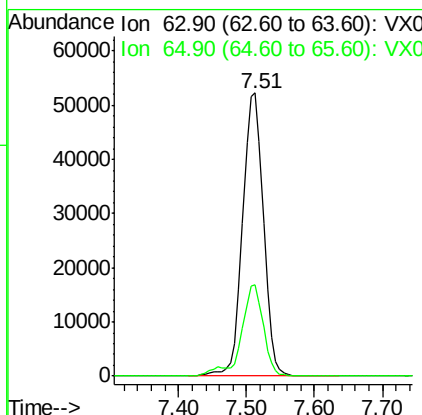
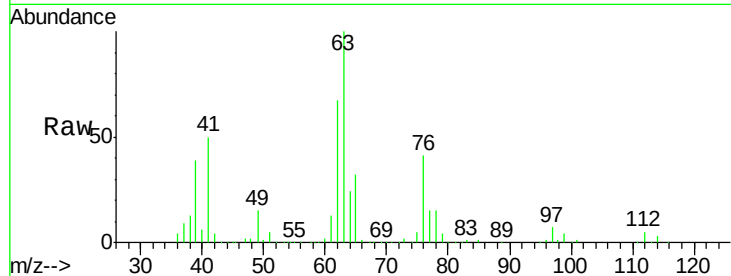
#45
 1,2-Dichloropropane
 Concen: 52.788 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 111603
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.8 37.2

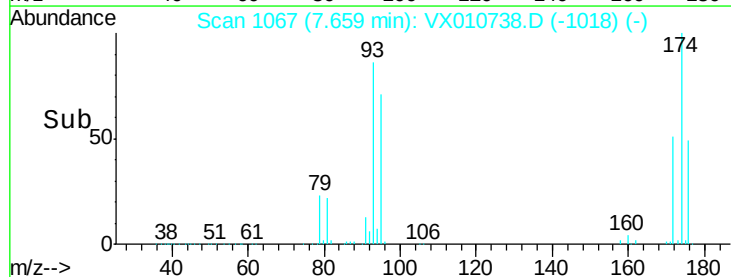
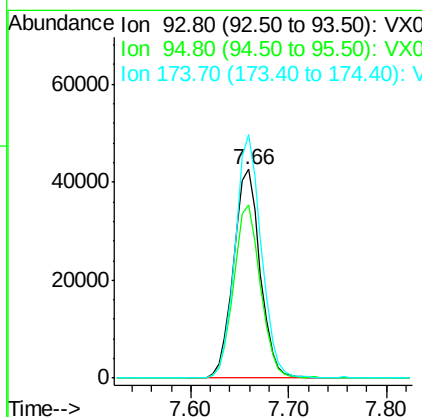
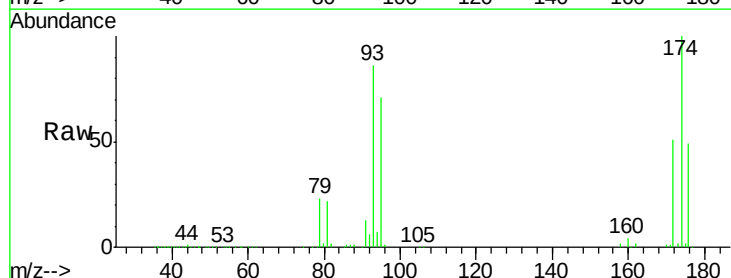
Manual Integrations
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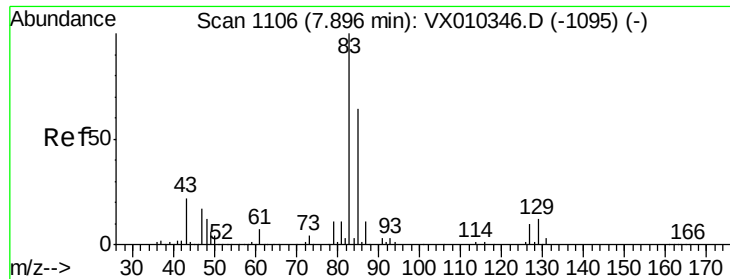
MMDadoda
 7/10/2019 10:19:25 AM



#46
 Dibromomethane
 Concen: 53.367 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Tgt Ion: 93 Resp: 80950
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.5 101.3
 174 114.1 95.8 143.6





#47

Bromodichloromethane

Concen: 52.459 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

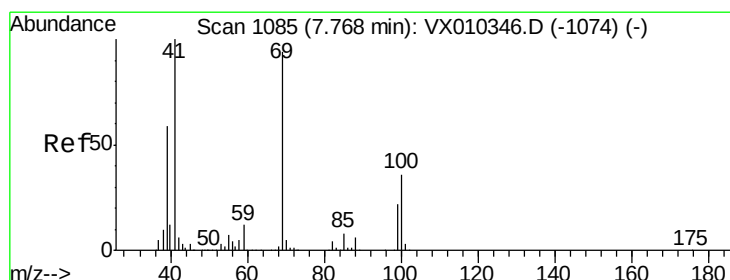
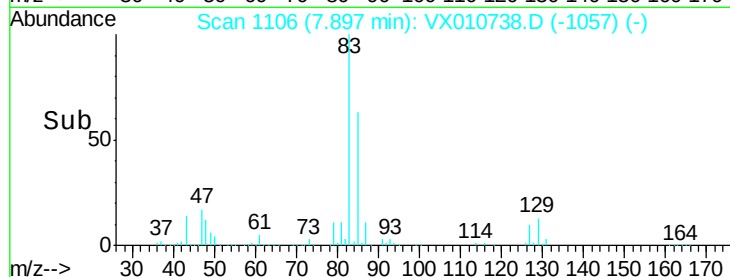
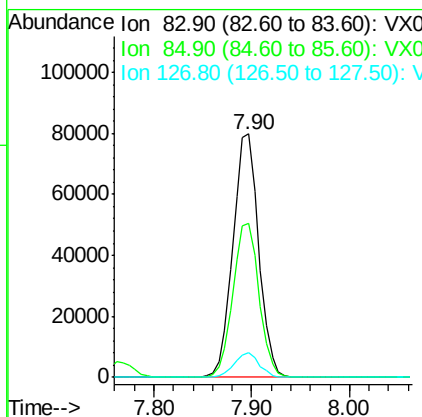
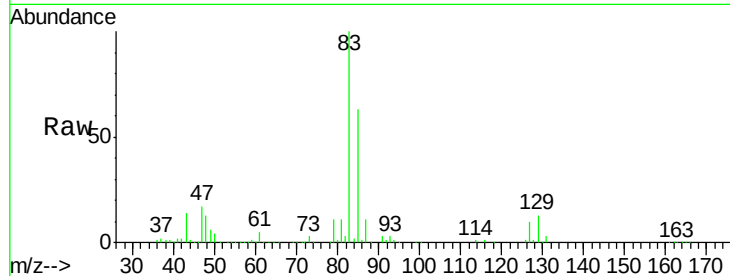
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	145826
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.5	77.3
127	10.4	7.8	11.8

Manual Integrations
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MMDadoda
7/10/2019 10:19:25 AM



#48

Methyl methacrylate

Concen: 54.356 ug/l

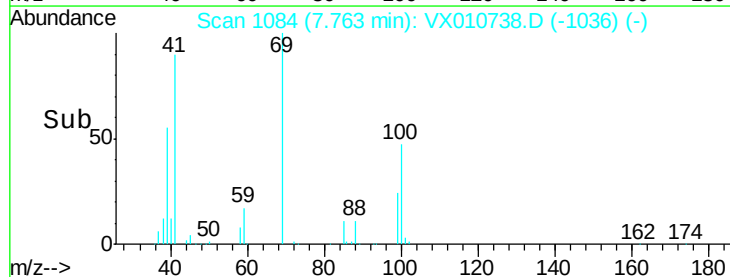
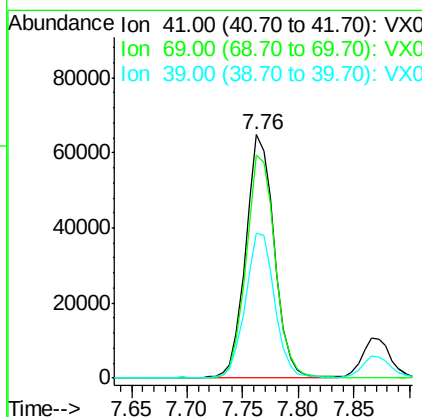
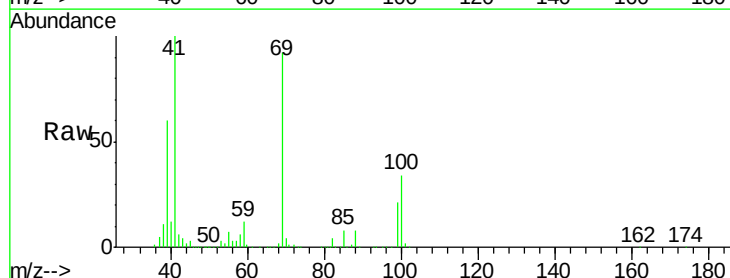
RT: 7.76 min Scan# 1084

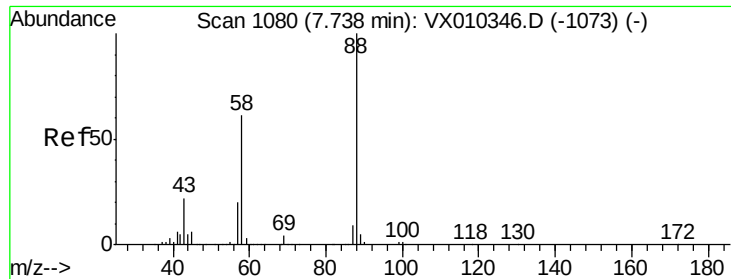
Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Tgt Ion:	41	Resp:	115559
Ion	Ratio	Lower	Upper
41	100		
69	93.6	76.1	114.1
39	60.2	47.6	71.4





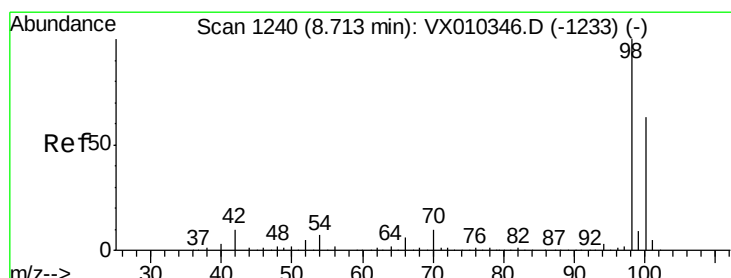
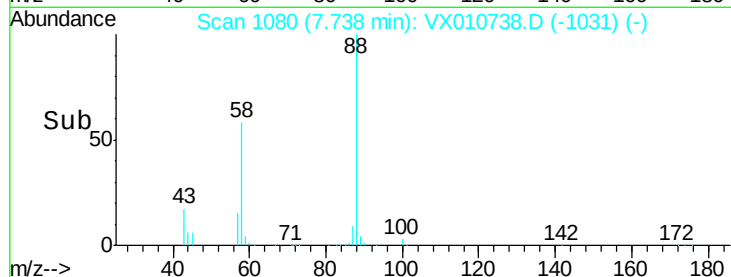
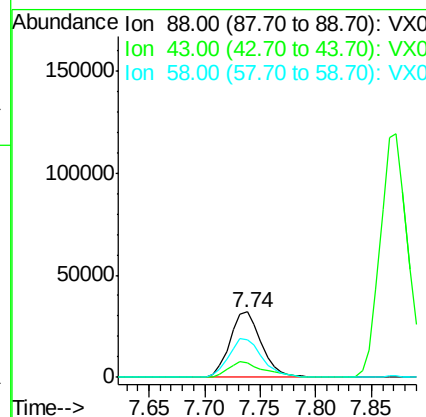
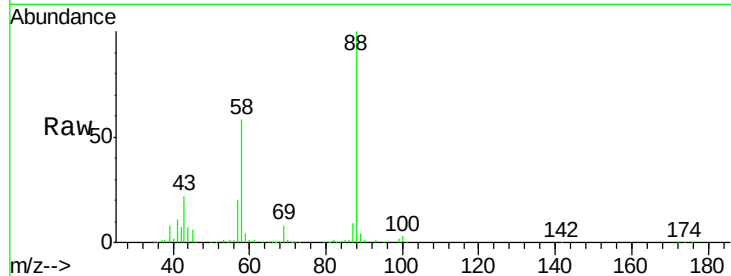
#49
1,4-Dioxane
Concen: 1026.211 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	62849
Ion Ratio	100	Lower	Upper
88	100		
43	26.4	20.2	30.2
58	62.3	49.5	74.3

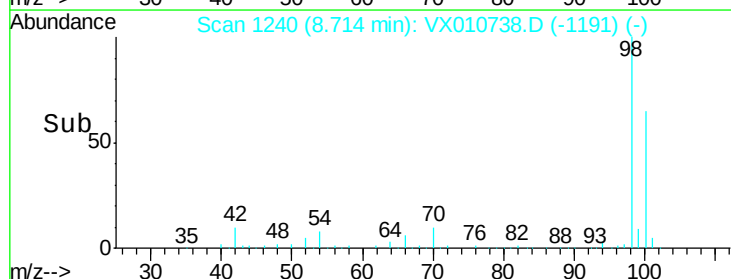
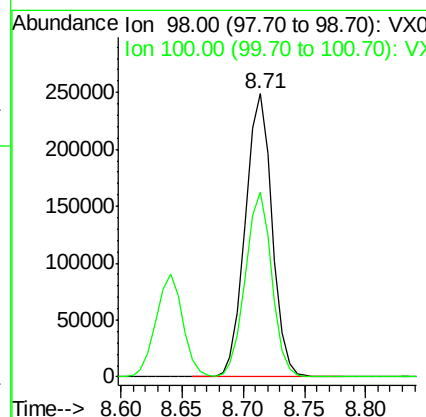
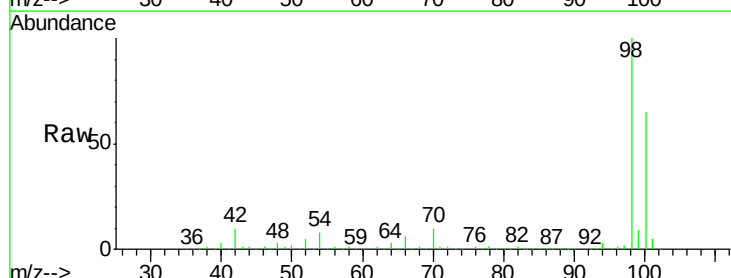
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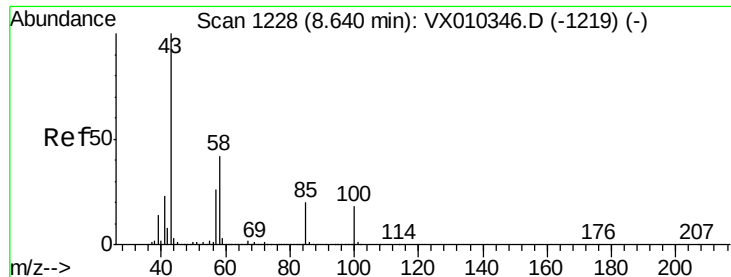
MMDadoda
7/10/2019 10:19:25 AM



#50
Toluene-d8
Concen: 47.683 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	98	Resp	377438
Ion Ratio	100	Lower	Upper
98	100		
100	64.4	51.6	77.4





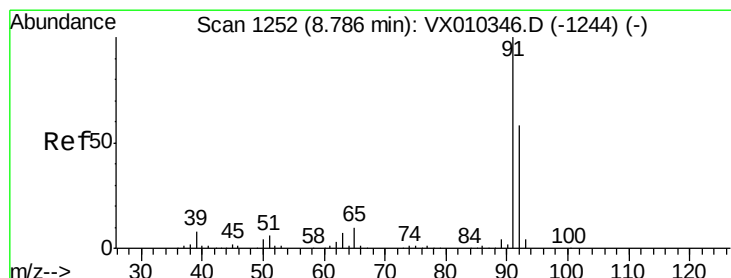
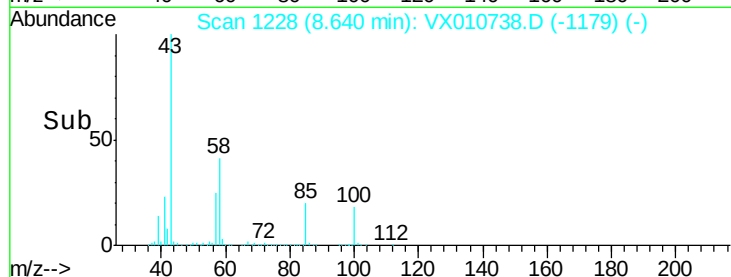
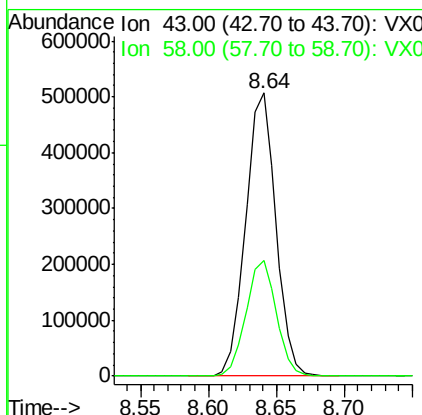
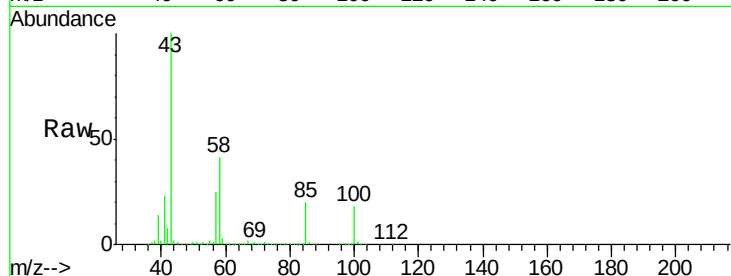
#51
4-Methyl-2-Pentanone
Concen: 269.448 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 788197
Ion Ratio Lower Upper
43 100
58 41.0 33.5 50.3

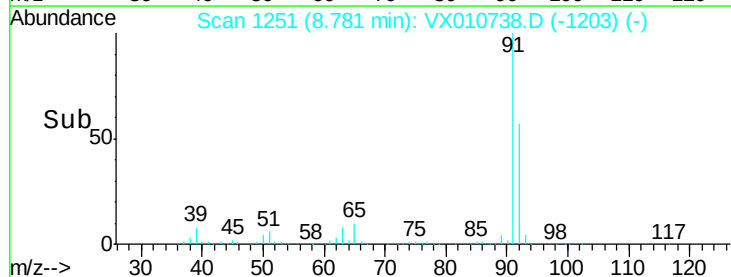
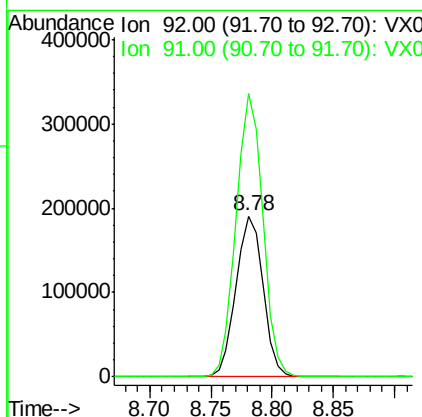
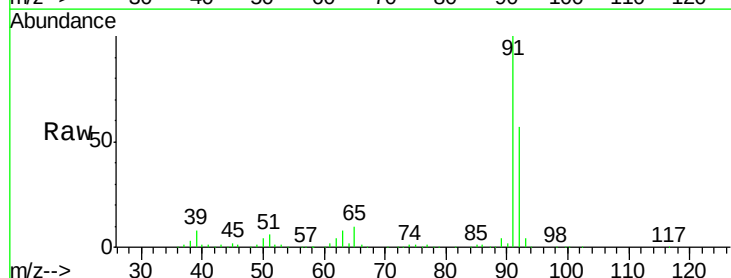
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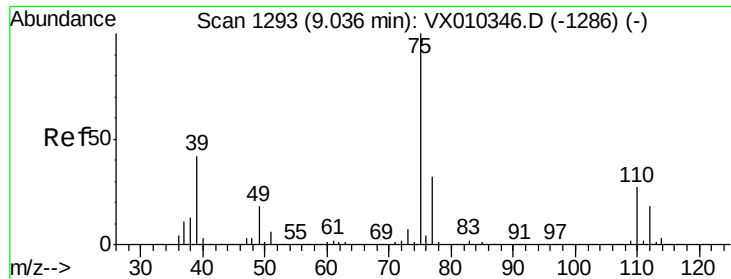
MMDadoda
7/10/2019 10:19:25 AM



#52
Toluene
Concen: 53.096 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion: 92 Resp: 292730
Ion Ratio Lower Upper
92 100
91 174.4 139.8 209.6





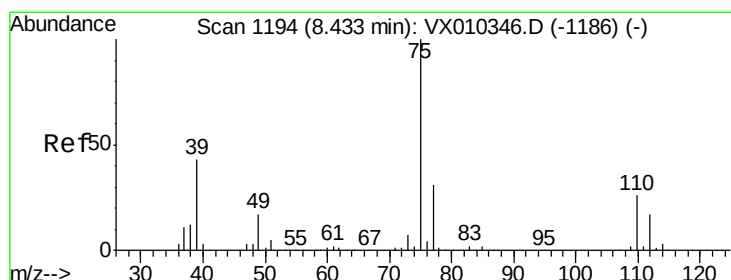
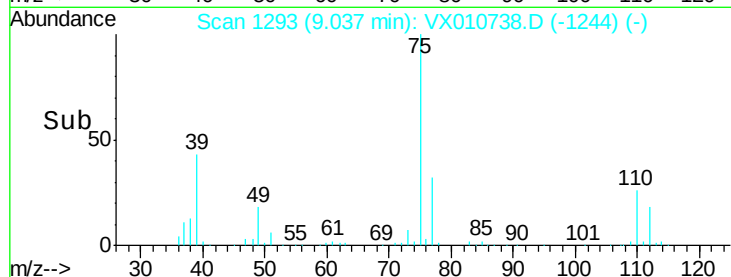
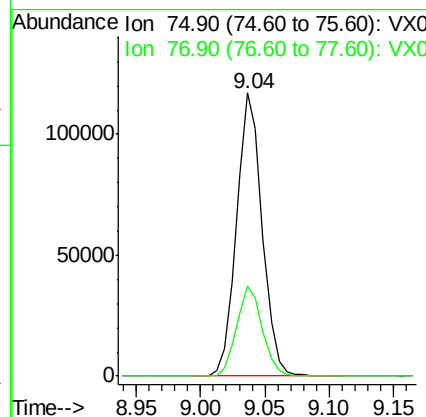
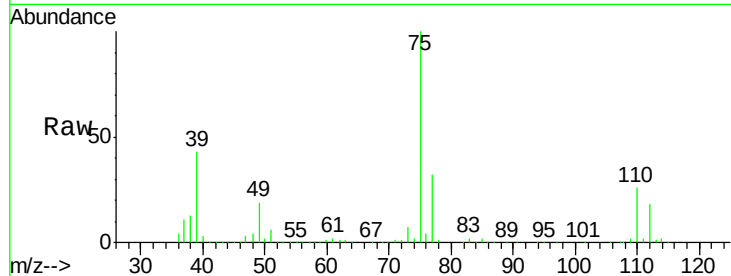
#53
 t-1,3-Dichloropropene
 Concen: 52.184 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 162636
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2

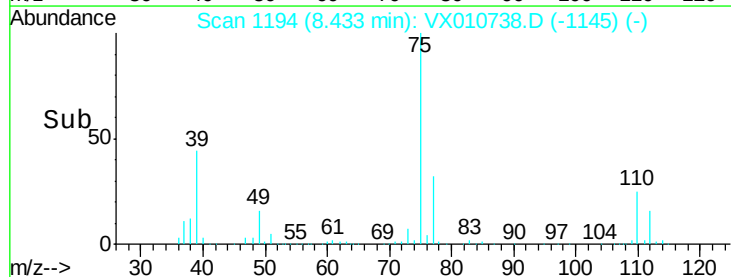
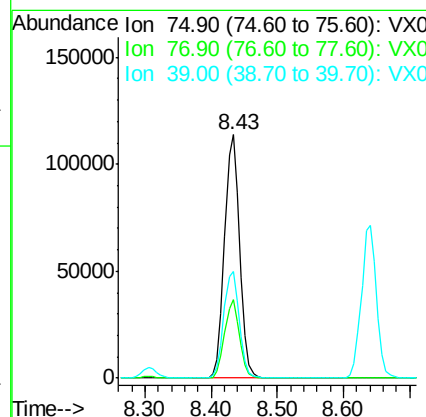
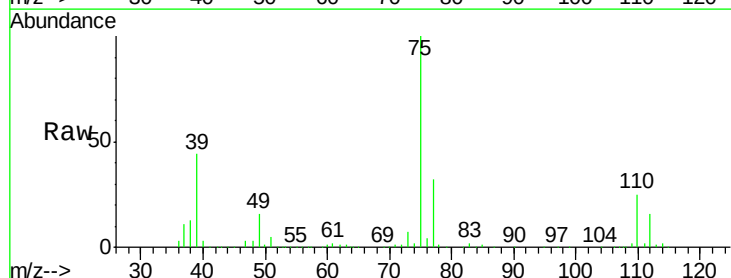
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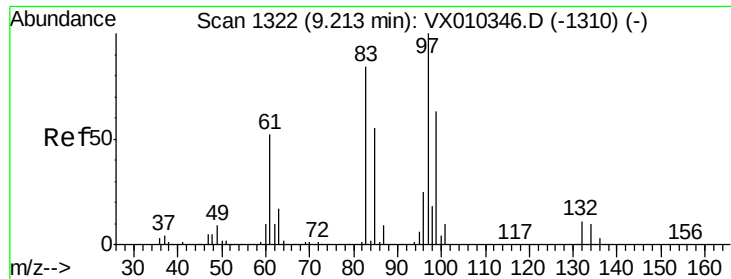
MMDadoda
 7/10/2019 10:19:25 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.064 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Tgt Ion: 75 Resp: 179718
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8
 39 43.8 34.5 51.7





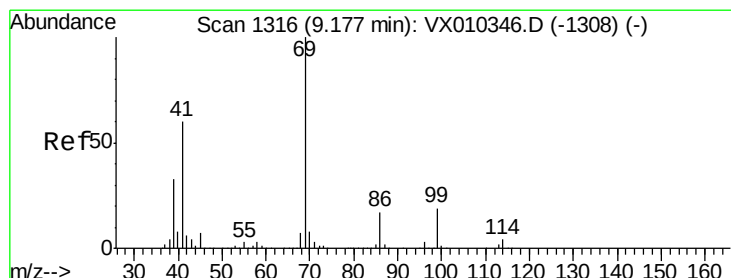
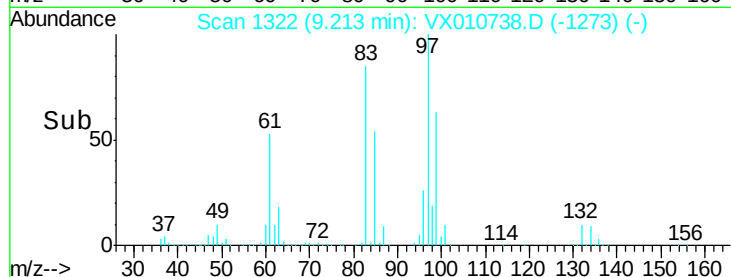
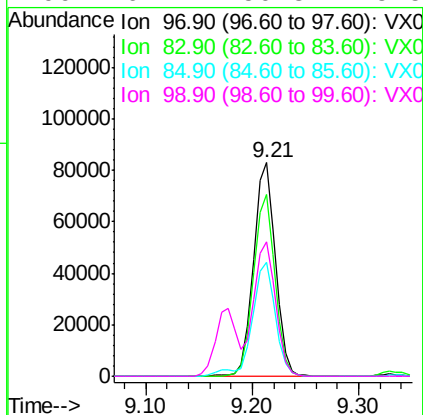
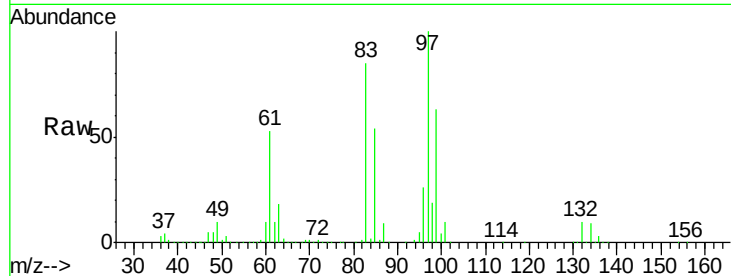
#55
 1,1,2-Trichloroethane
 Concen: 52.968 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120437		
83	85.3	67.4	101.0		
85	53.6	43.8	65.8		
99	62.7	50.3	75.5		

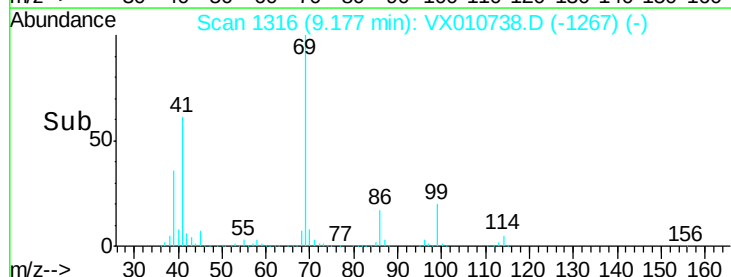
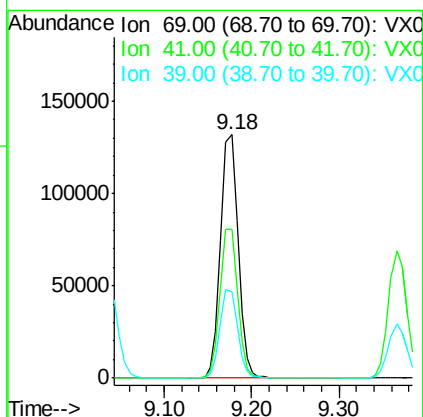
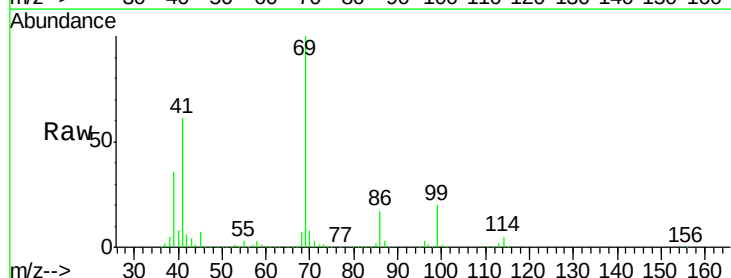
Manual Integrations
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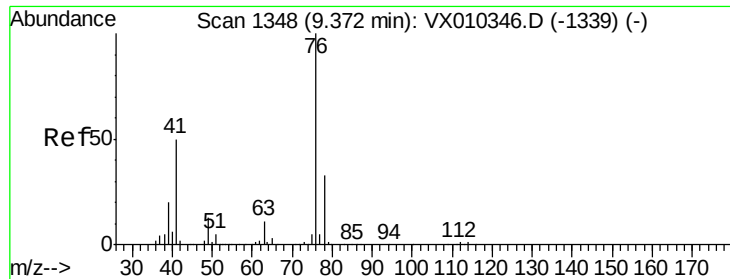
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 7/10/2019 10:19:25 AM



#56
 Ethyl methacrylate
 Concen: 53.616 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		184677		
41	61.1	47.1	70.7		
39	36.4	26.6	40.0		





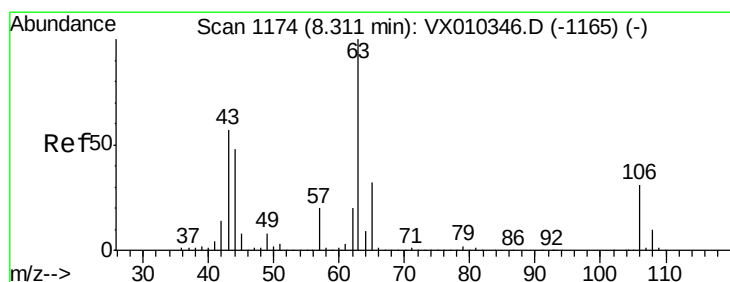
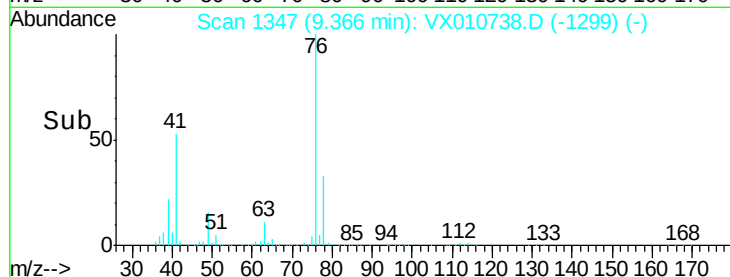
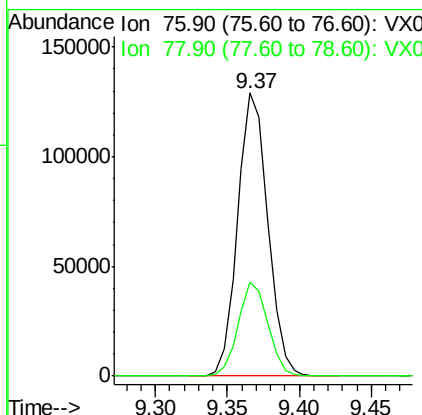
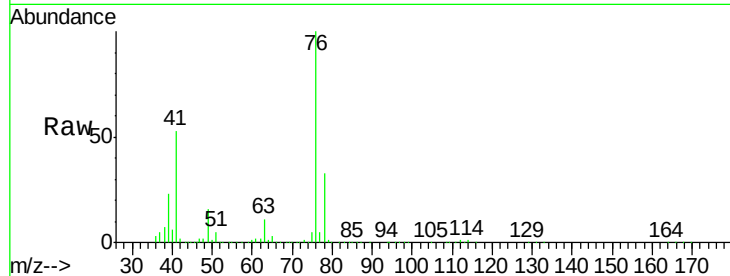
#57
 1,3-Dichloropropane
 Concen: 53.248 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1

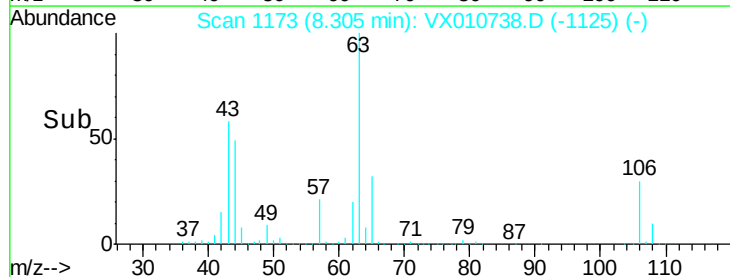
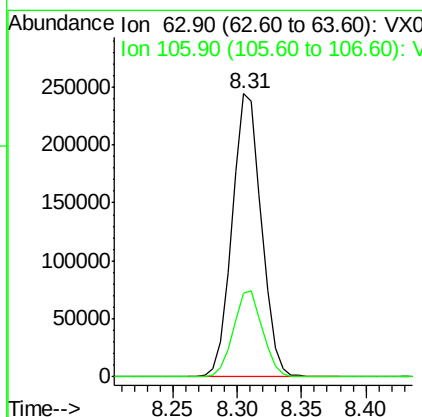
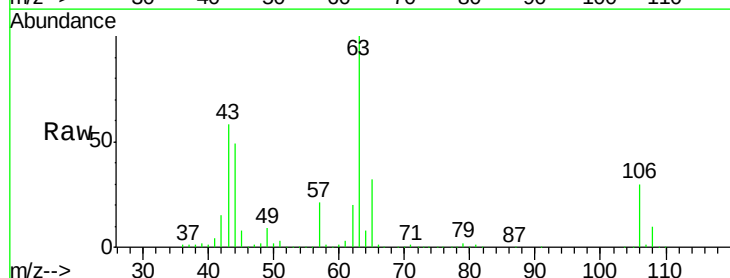
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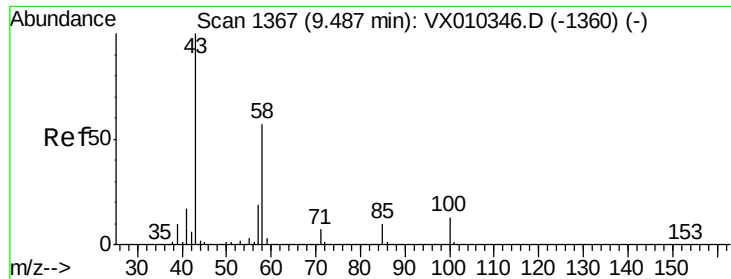
MMDadoda
 7/10/2019 10:19:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.881 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	24.7	37.1





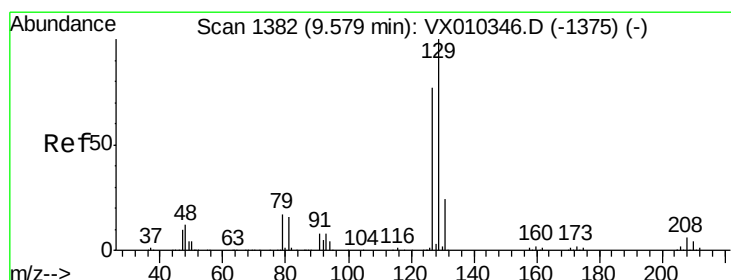
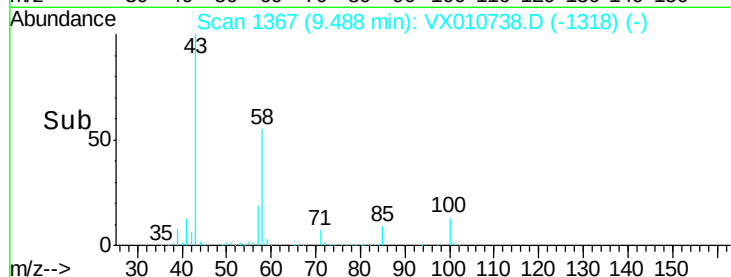
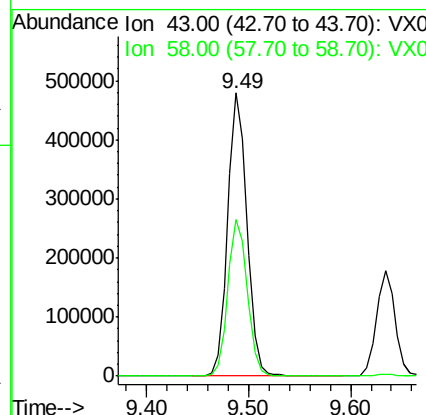
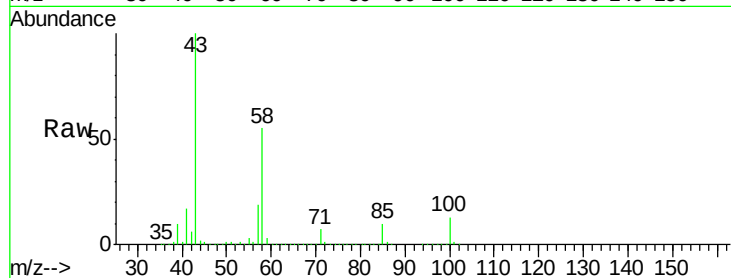
#59
2-Hexanone
Concen: 273.051 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 628635
Ion Ratio Lower Upper
43 100
58 56.0 29.0 87.1

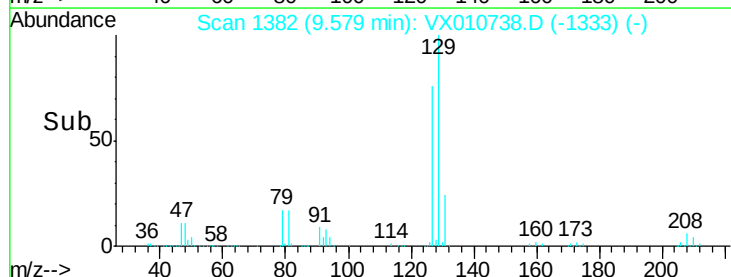
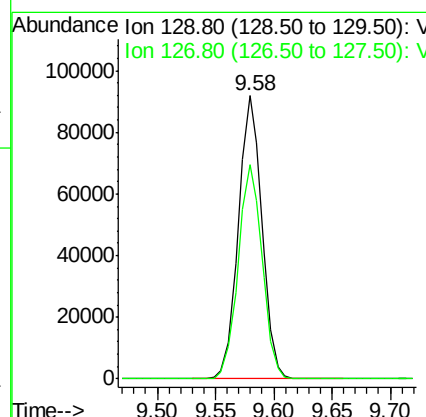
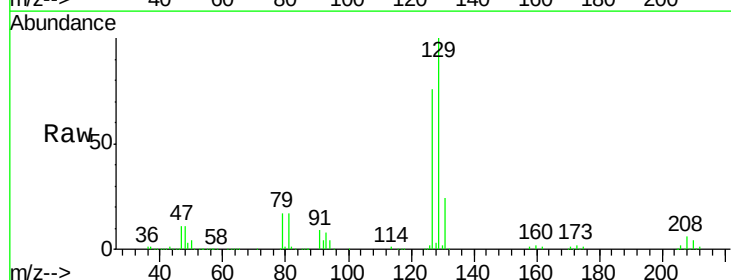
Manual Integrations
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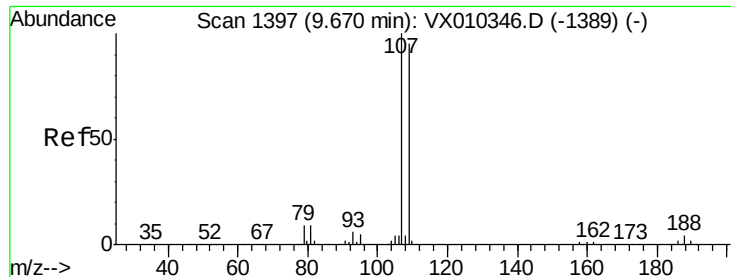
MMDadoda
7/10/2019 10:19:25 AM



#60
Dibromochloromethane
Concen: 50.934 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion: 129 Resp: 129670
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.601 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 129098

Ion Ratio Lower Upper

107 100

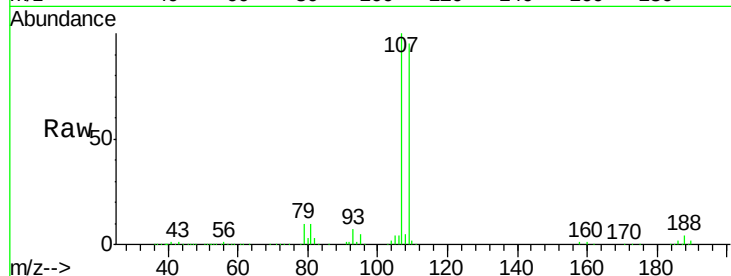
109 95.7 75.8 113.6

Manual Integrations

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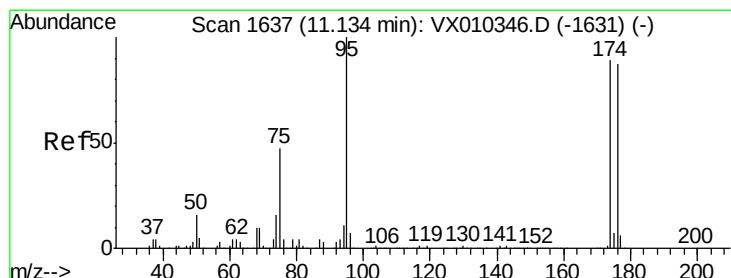
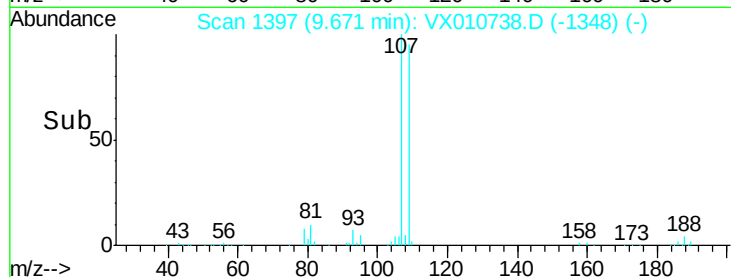
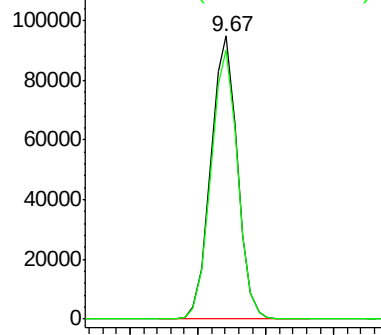
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.276 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

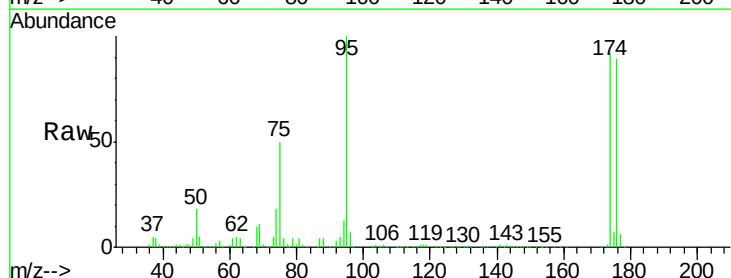
Tgt Ion: 95 Resp: 143676

Ion Ratio Lower Upper

95 100

174 91.9 0.0 187.6

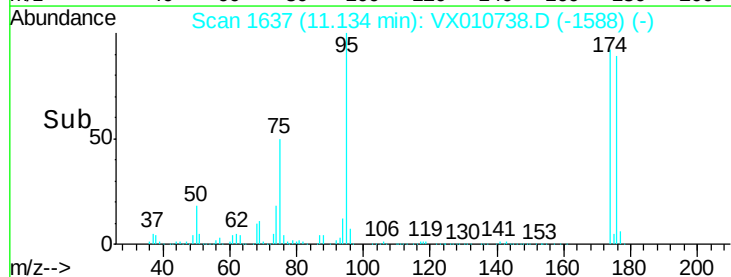
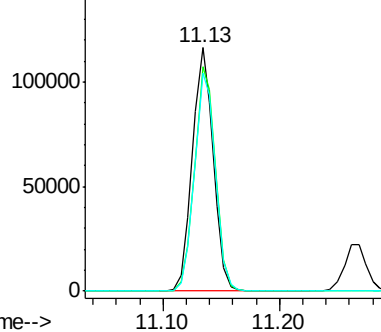
176 90.0 0.0 184.0

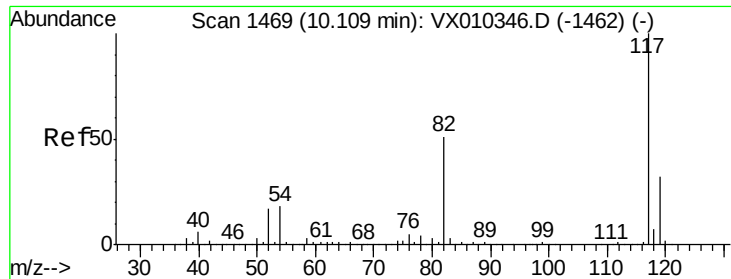


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





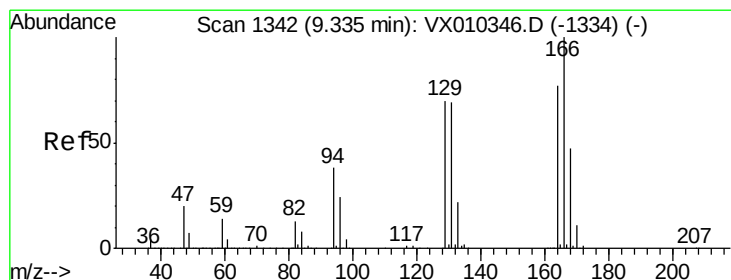
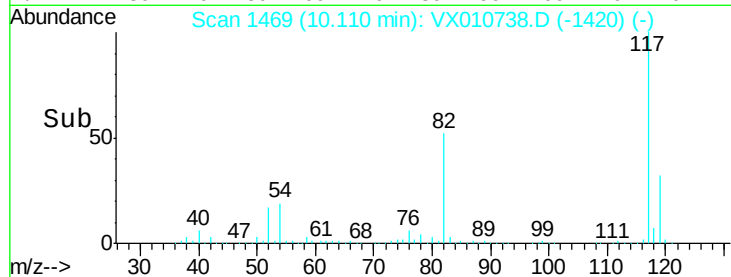
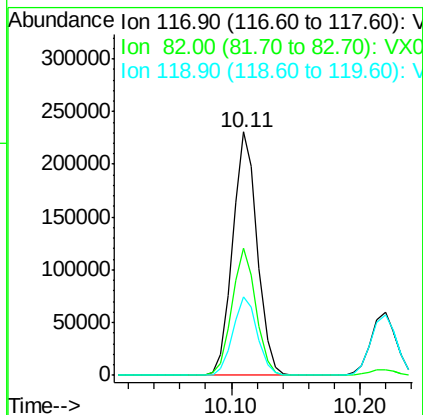
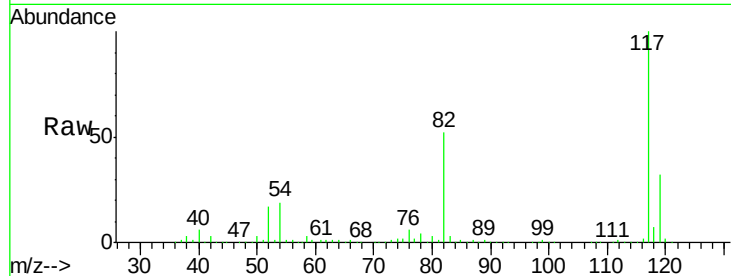
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.2	61.8
119	32.2	25.5	38.3

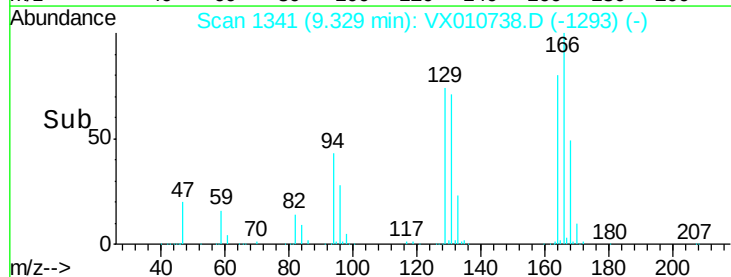
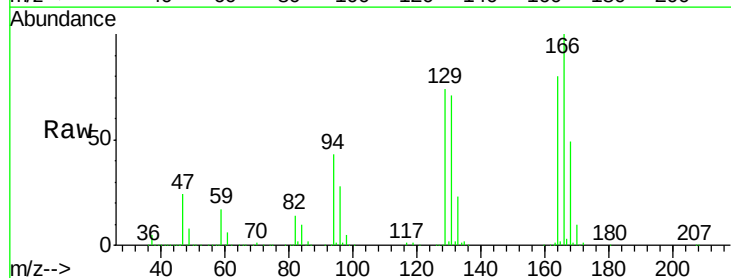
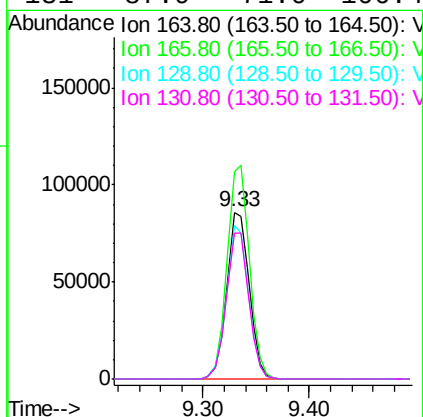
Manual Integrations
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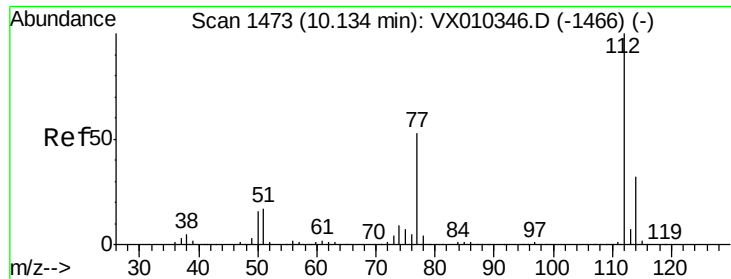
MMDadoda
7/10/2019 10:19:25 AM



#64
Tetrachloroethene
Concen: 51.400 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.6	155.4
129	92.3	73.0	109.4
131	87.9	71.0	106.4





#65

Chlorobenzene

Concen: 53.035 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 329811

Ion Ratio Lower Upper

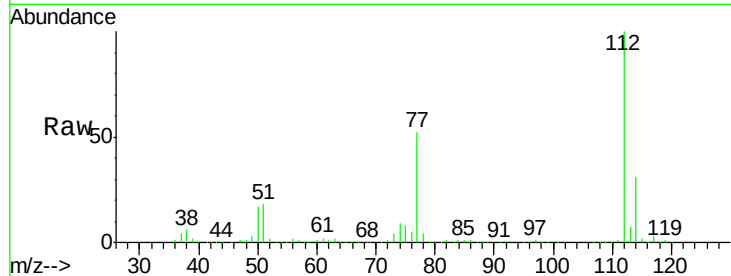
112 100

114 31.2 25.4 38.2

Manual Integrations
APPROVED

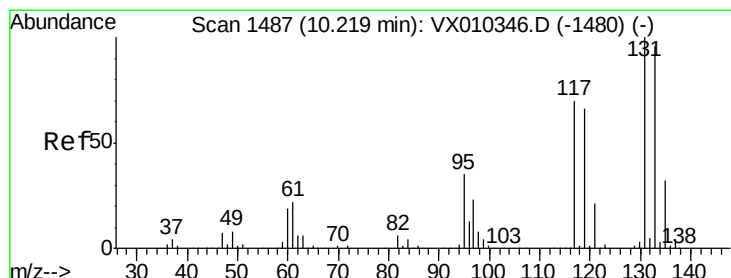
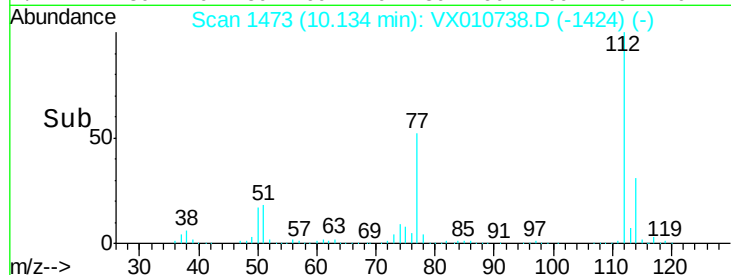
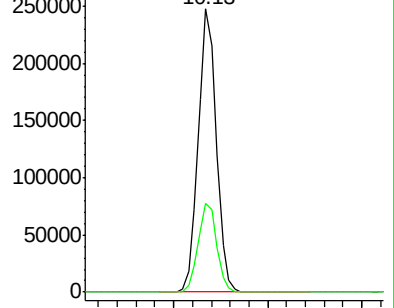
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.479 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

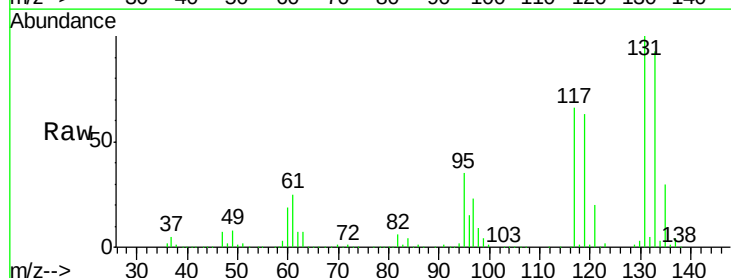
Tgt Ion:131 Resp: 121141

Ion Ratio Lower Upper

131 100

133 94.0 47.7 143.1

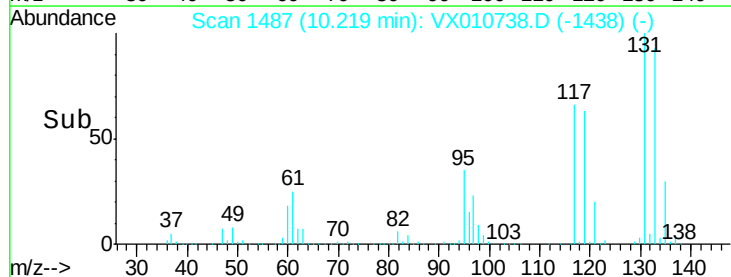
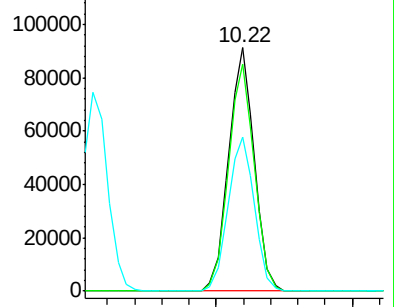
119 64.9 32.6 97.7

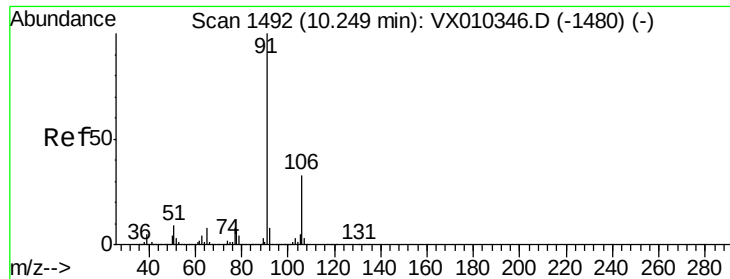


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.740 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 574694

Ion Ratio Lower Upper

91 100

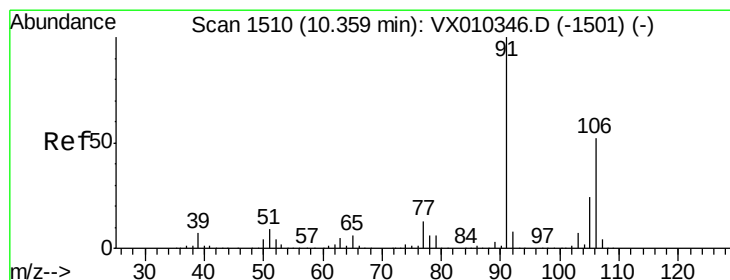
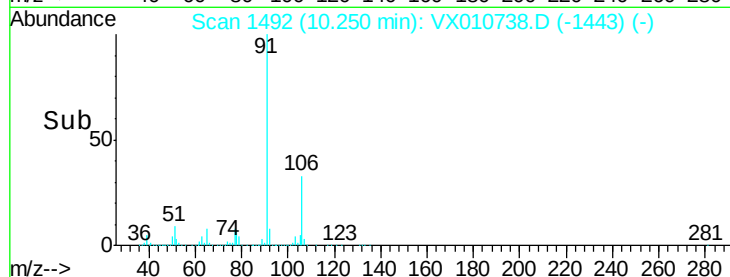
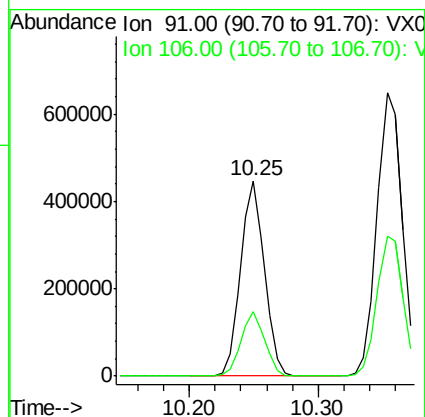
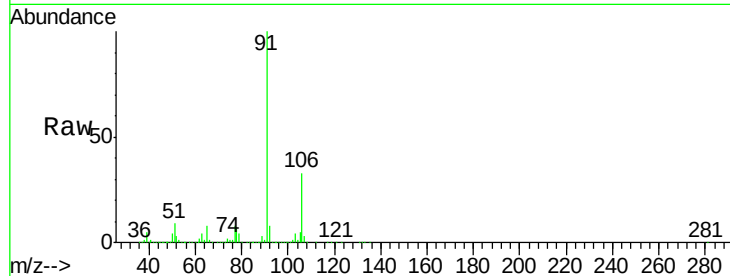
106 32.7 26.2 39.2

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 109.647 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010738.D

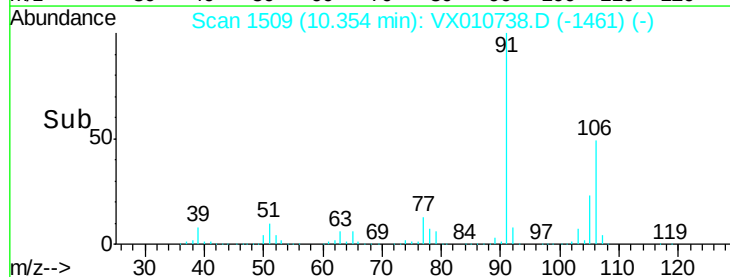
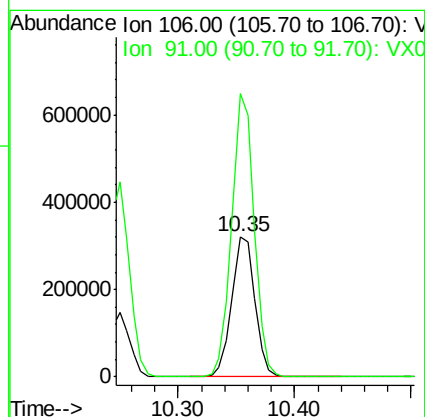
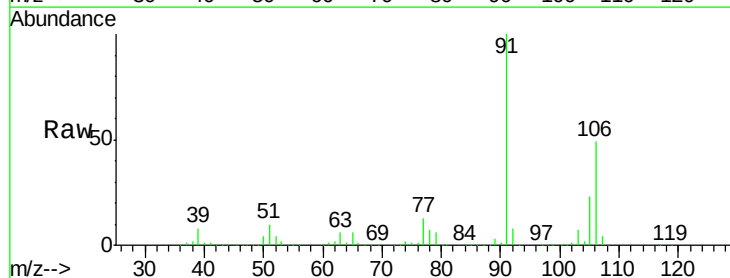
Acq: 09 Jul 2019 09:53

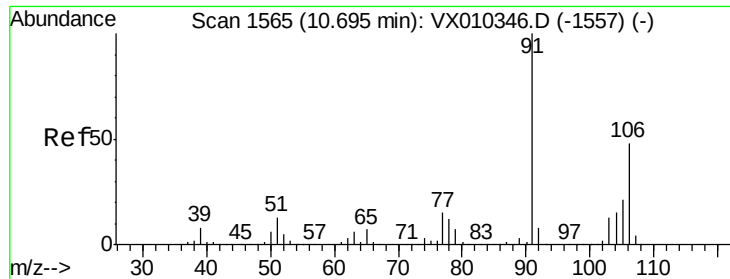
Tgt Ion: 106 Resp: 446038

Ion Ratio Lower Upper

106 100

91 196.2 155.3 232.9





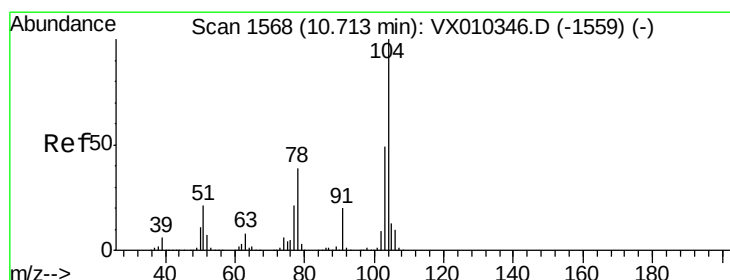
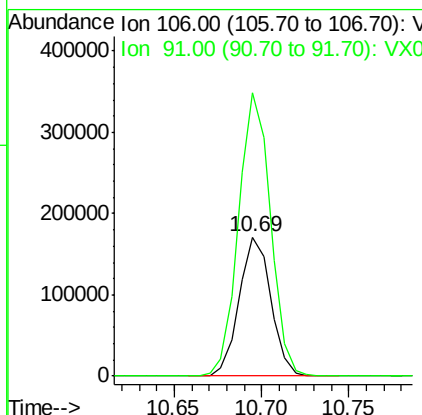
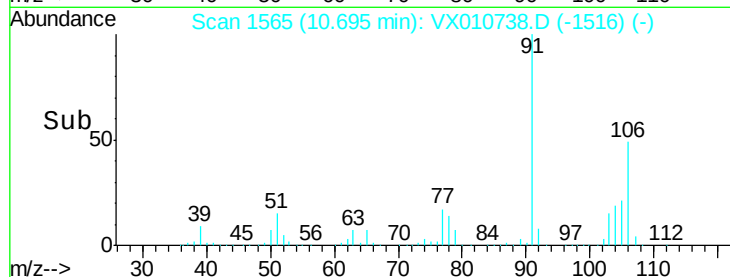
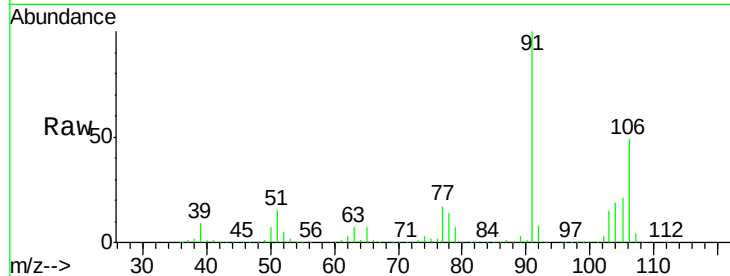
#69
o-Xylene
Concen: 53.996 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	204.7	102.7	308.1	

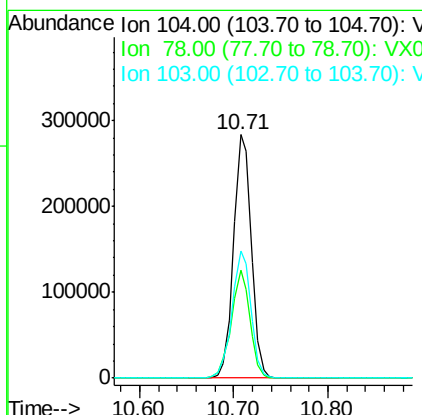
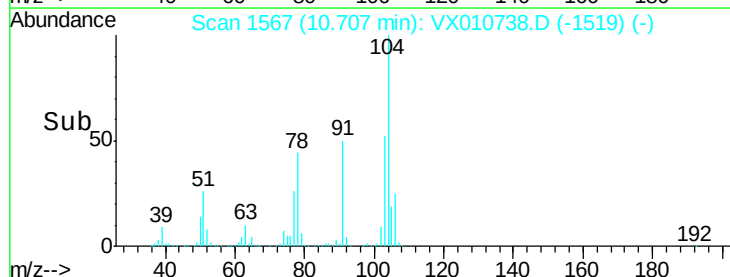
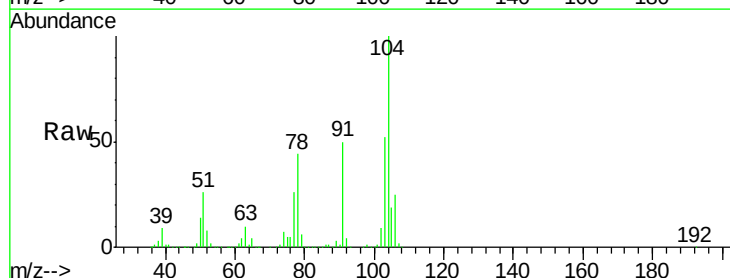
Manual Integrations
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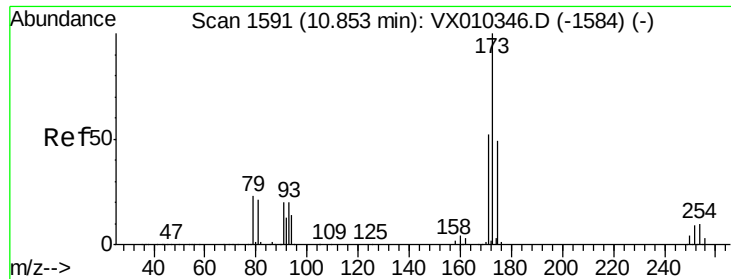
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#70
Styrene
Concen: 55.231 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.7	36.2	54.2	
103	55.9	44.2	66.4	





#71

Bromoform

Concen: 50.498 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 99475

Ion Ratio Lower Upper

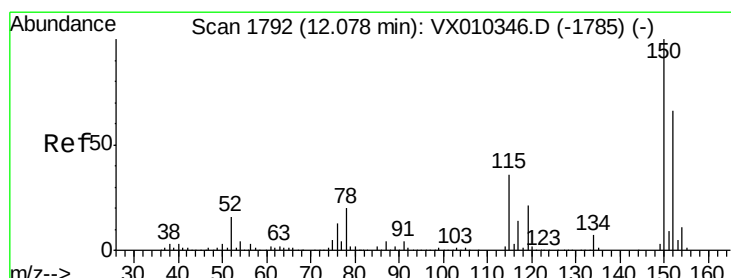
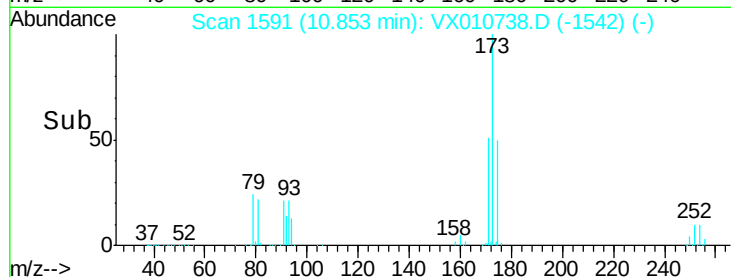
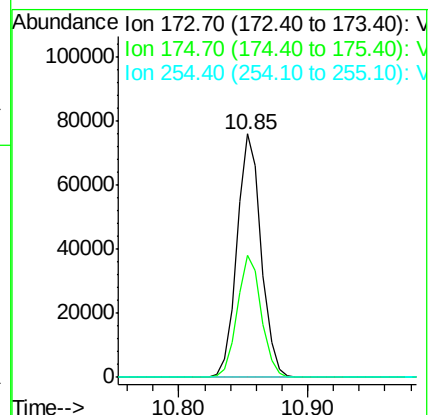
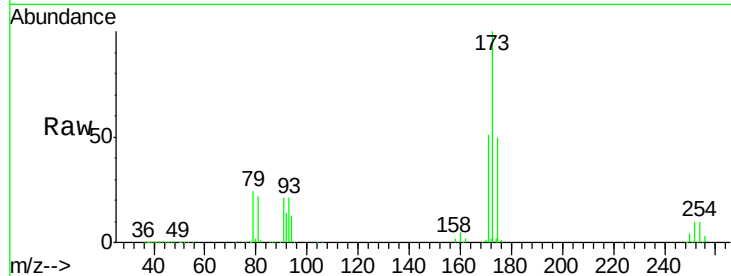
173 100

175 49.9 24.1 72.3

254 0.2 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

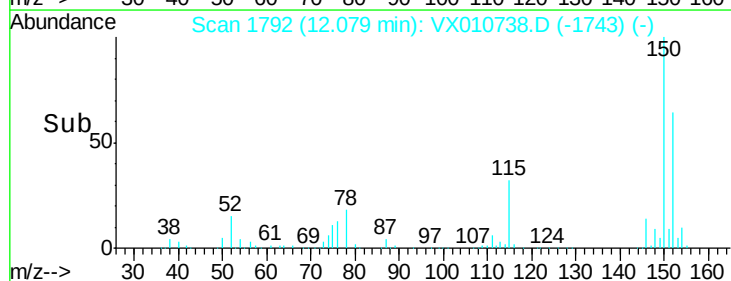
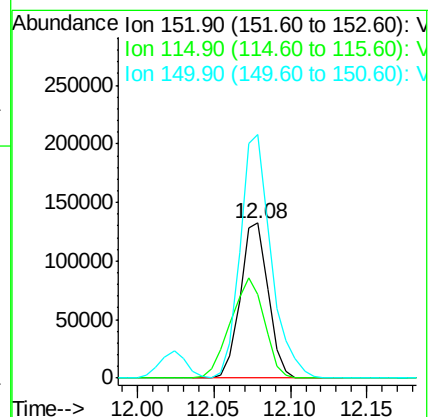
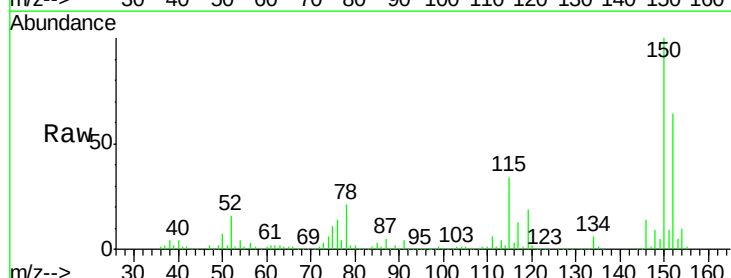
Tgt Ion:152 Resp: 166469

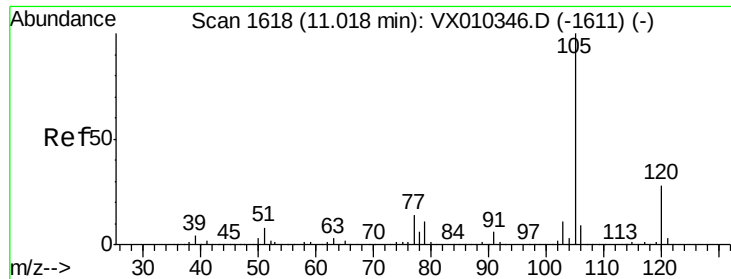
Ion Ratio Lower Upper

152 100

115 78.6 38.6 115.7

150 174.3 0.0 347.4





#73

Isopropylbenzene

Concen: 51.207 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 577848

Ion Ratio Lower Upper

105 100

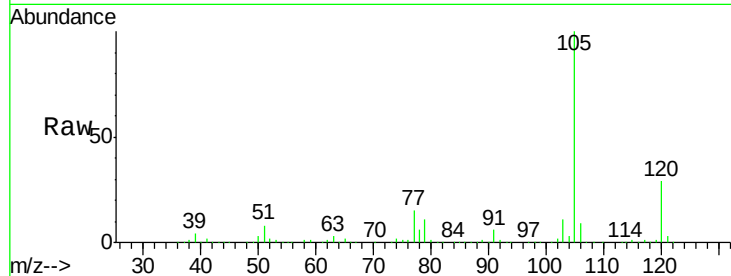
120 27.9 14.1 42.4

Manual Integrations

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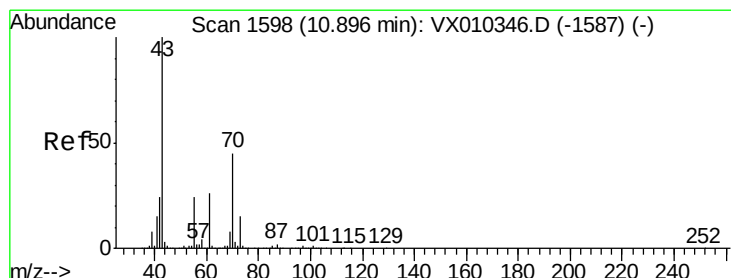
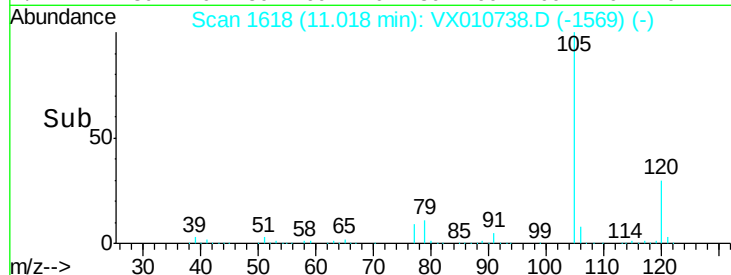
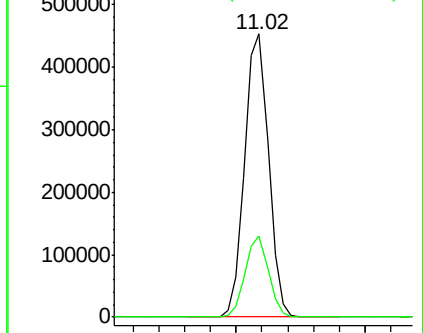
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.462 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Tgt Ion: 43 Resp: 223732

Ion Ratio Lower Upper

43 100

70 44.3 36.6 54.8

55 23.9 18.7 28.1

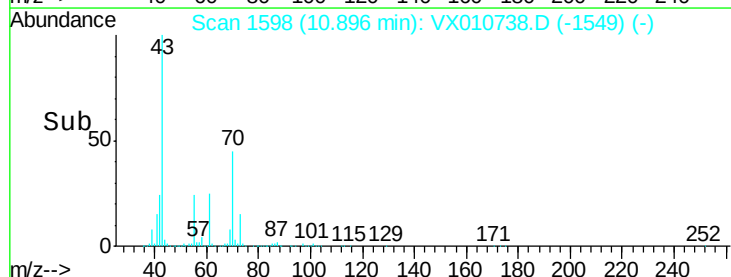
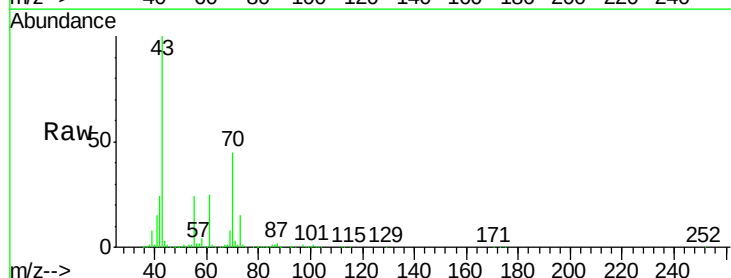
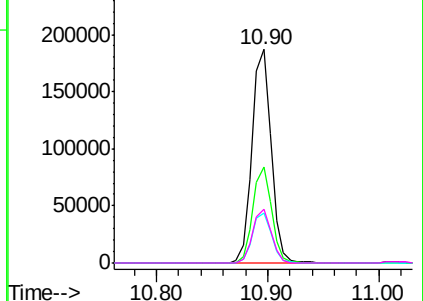
61 24.9 20.6 31.0

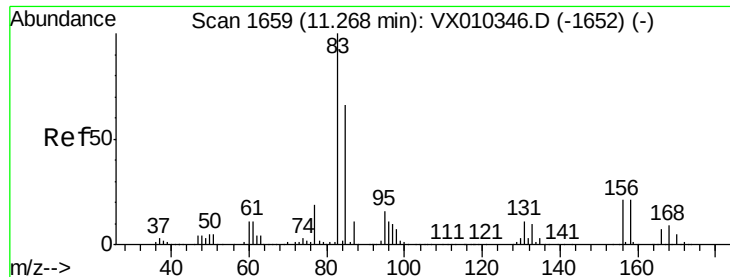
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.655 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 185567
Ion Ratio Lower Upper

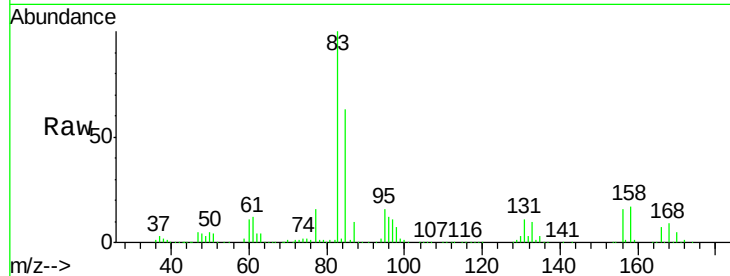
83 100

131 10.8 5.5 16.4

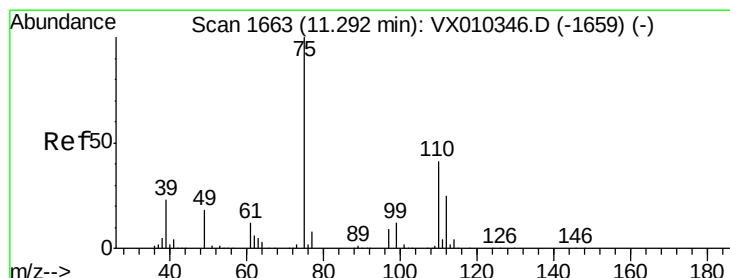
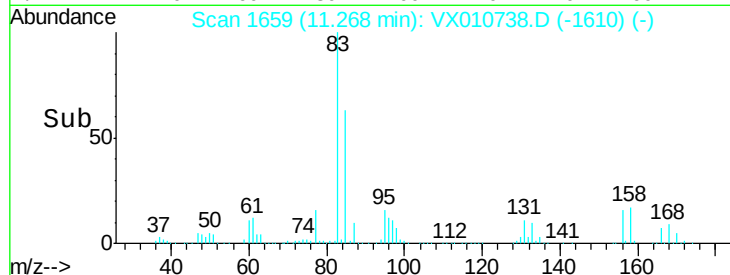
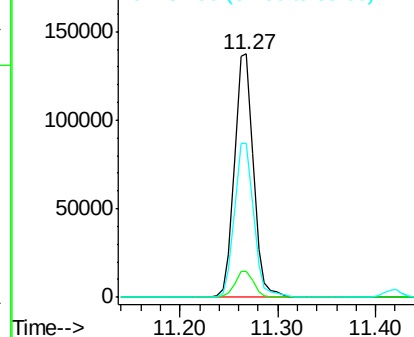
85 64.3 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.949 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

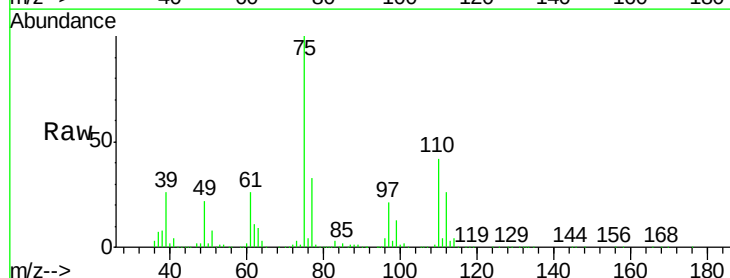
Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

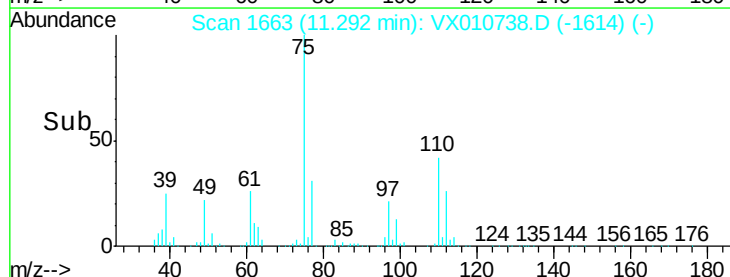
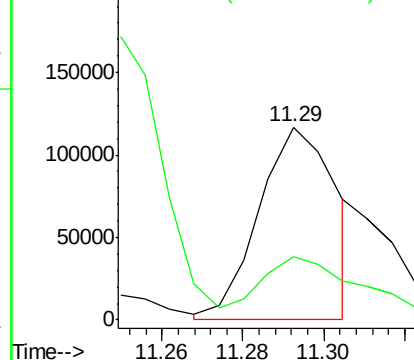
Tgt Ion: 75 Resp: 154554
Ion Ratio Lower Upper

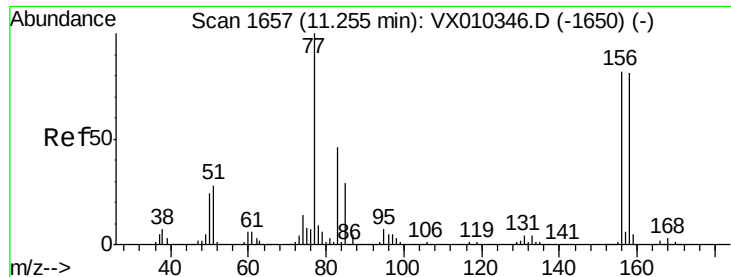
75 100

77 43.1 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.203 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

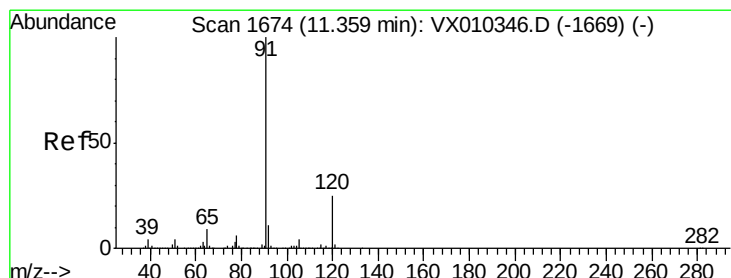
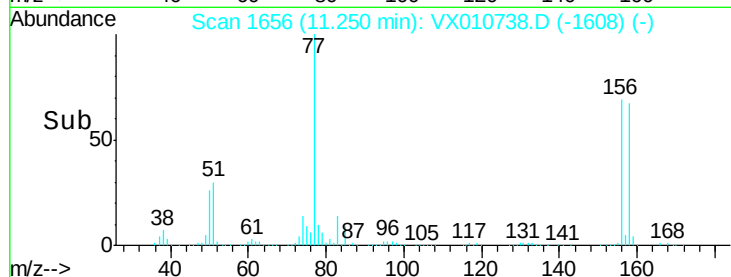
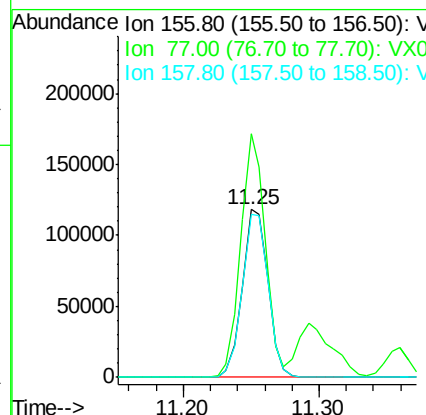
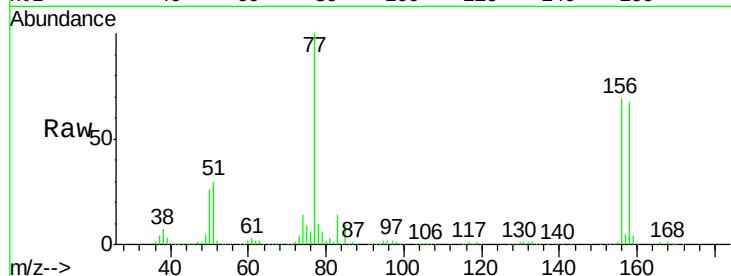
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	155036
Ion	Ratio	Lower	Upper
156	100		
77	139.3	66.3	198.7
158	98.3	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 53.590 ug/l

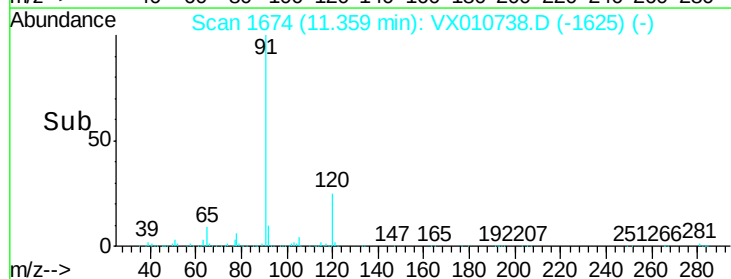
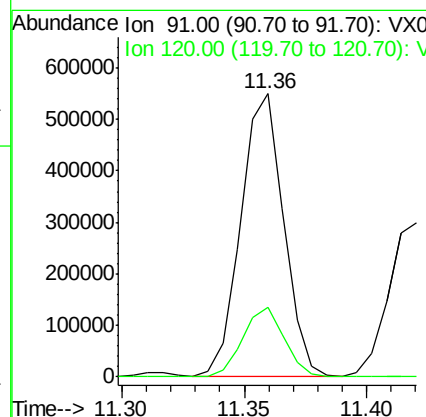
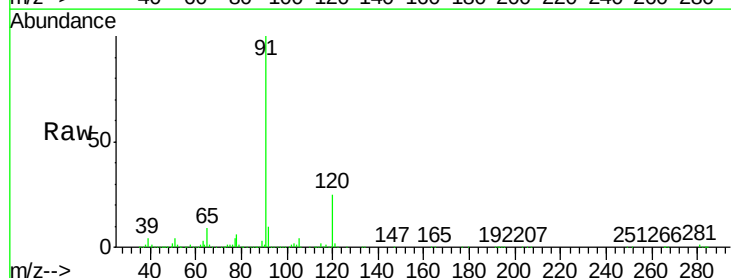
RT: 11.36 min Scan# 1674

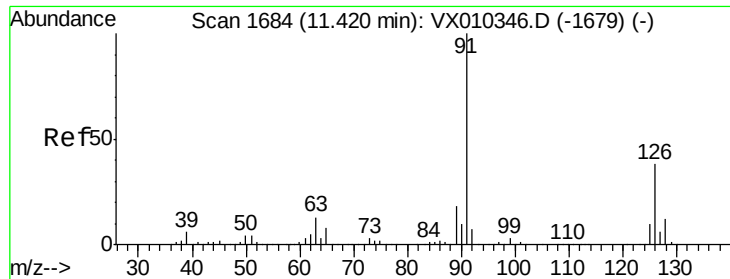
Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Tgt Ion:	91	Resp:	664634
Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.4	37.4





#79

2-Chlorotoluene

Concen: 51.602 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 381093

Ion Ratio Lower Upper

91 100

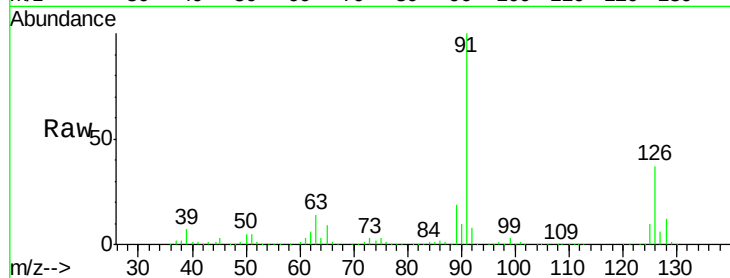
126 37.1 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

600000

500000

400000

300000

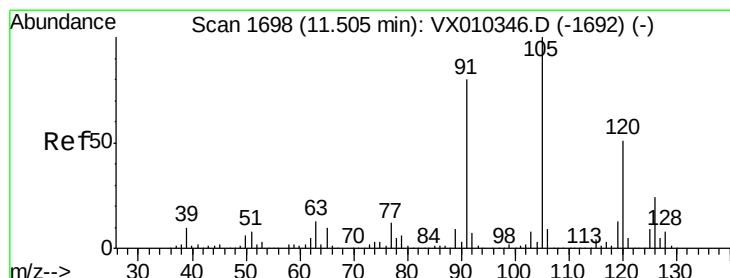
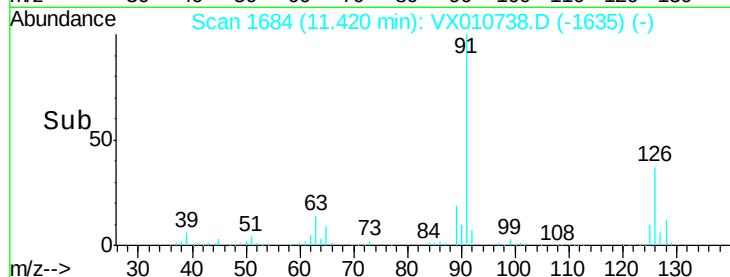
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.945 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010738.D

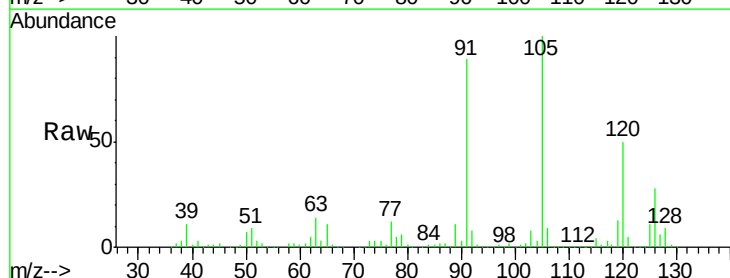
Acq: 09 Jul 2019 09:53

Tgt Ion: 105 Resp: 492537

Ion Ratio Lower Upper

105 100

120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

400000

300000

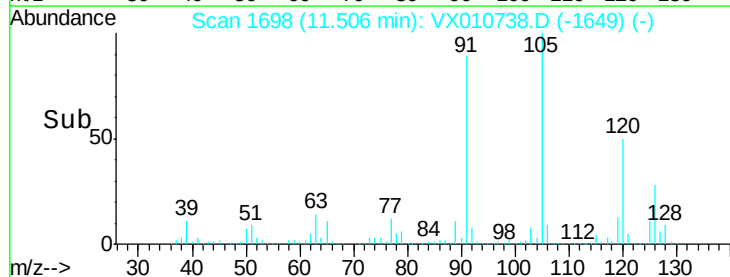
200000

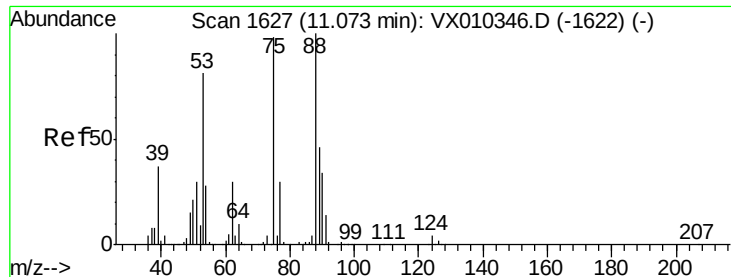
100000

0

11.50 11.51 11.60

Time-->





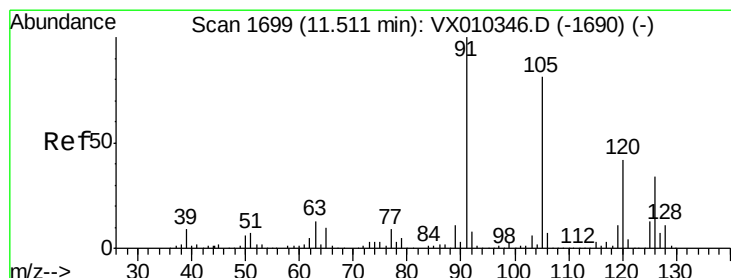
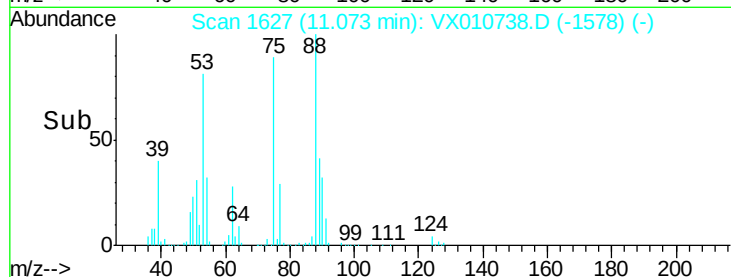
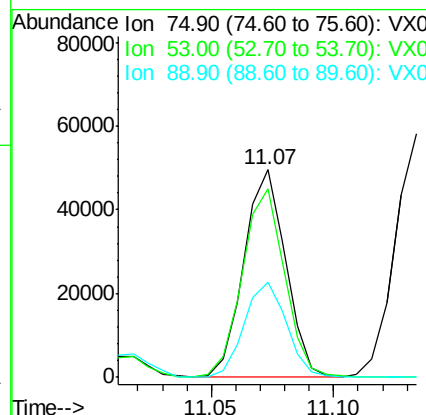
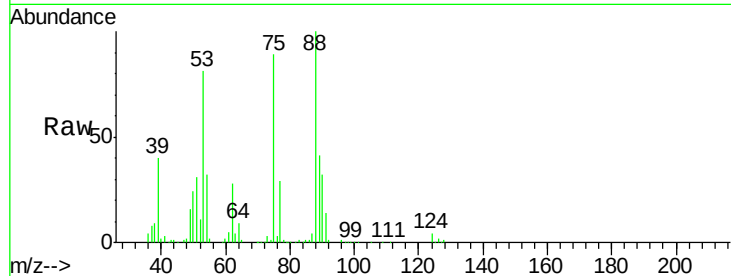
#81
trans-1,4-Dichloro-2-butene
Concen: 45.204 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.0	66.1	99.1
89	46.4	37.8	56.6

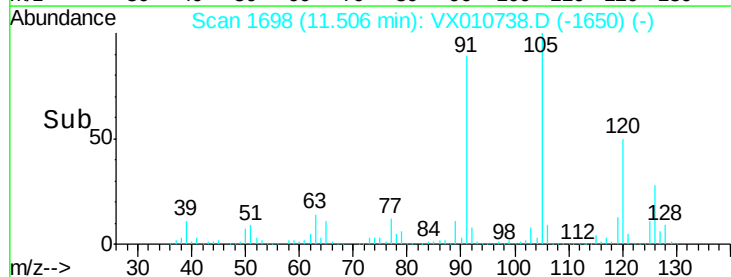
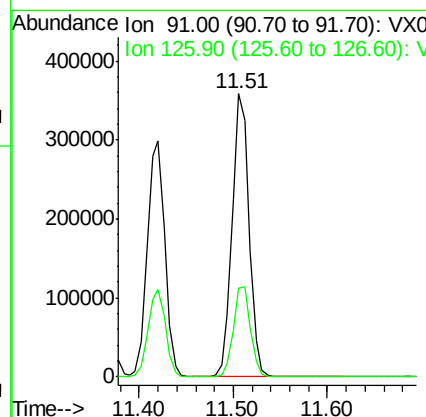
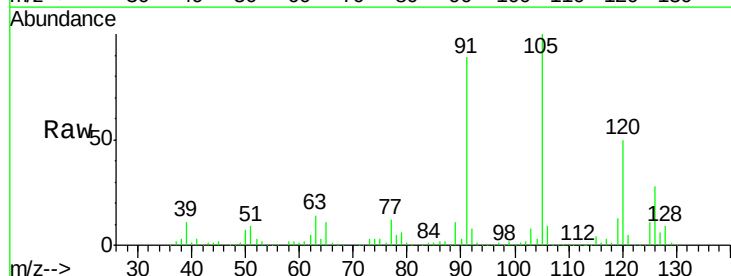
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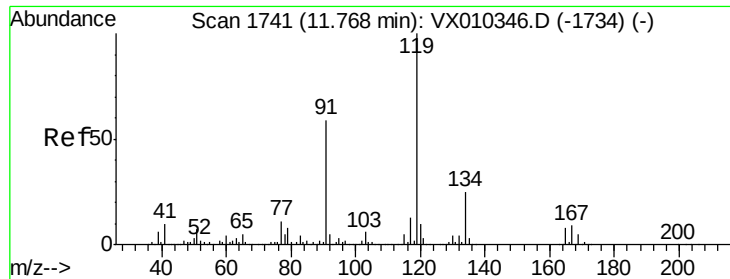
MMDadoda
7/10/2019 10:19:25 AM



#82
4-Chlorotoluene
Concen: 53.227 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.6





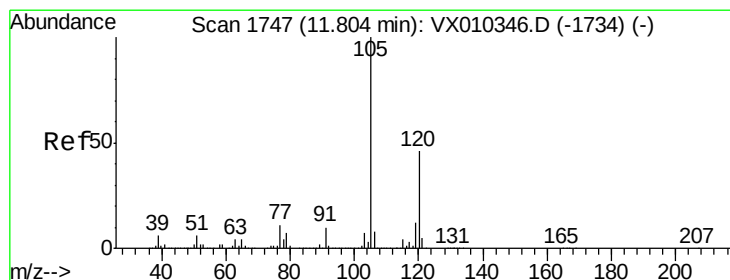
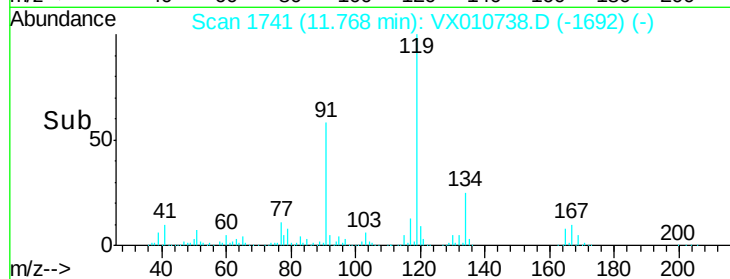
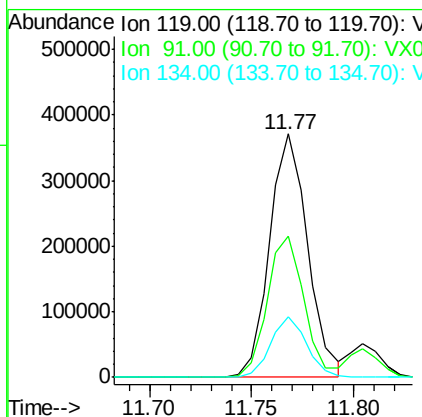
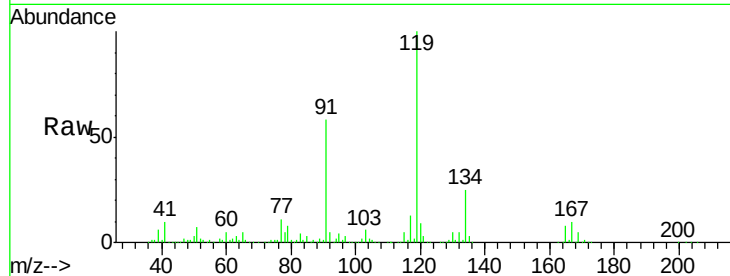
#83
 tert-Butylbenzene
 Concen: 51.806 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.5	27.6	82.7
134	23.7	11.8	35.4

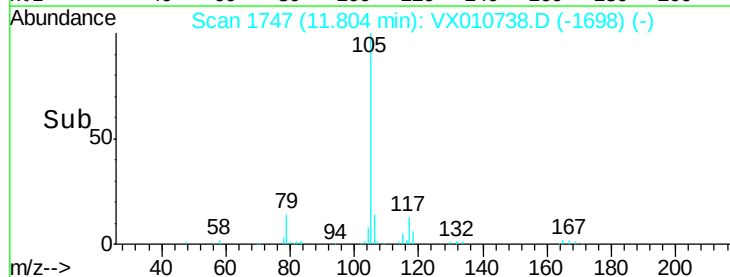
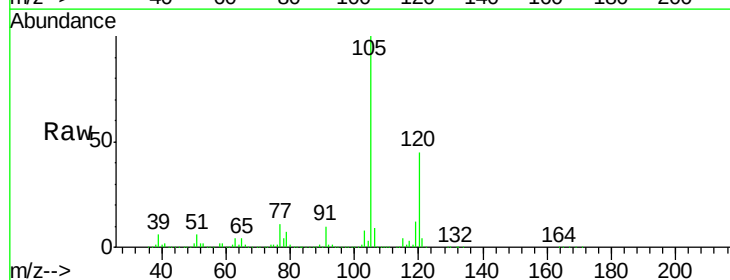
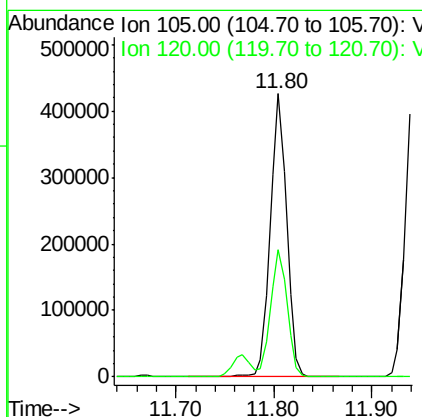
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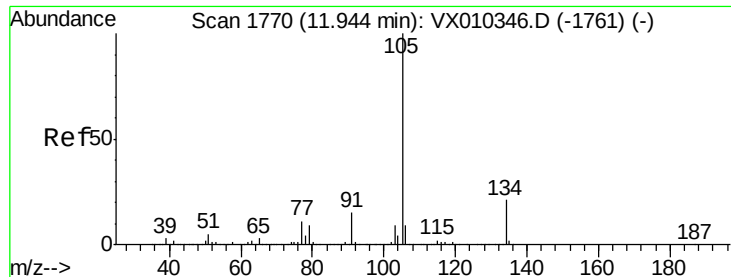
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.191 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 53.045 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 581529

Ion Ratio Lower Upper

105 100

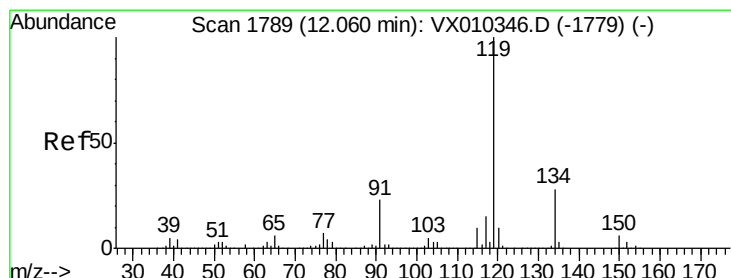
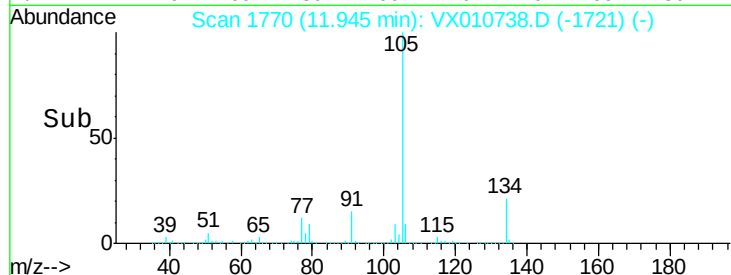
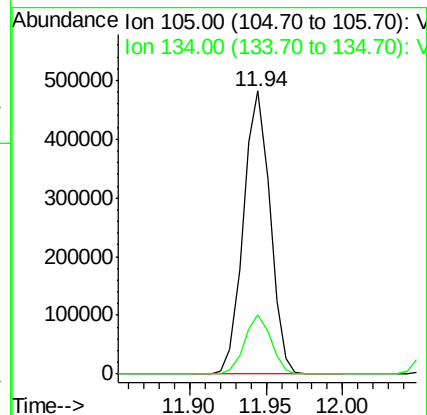
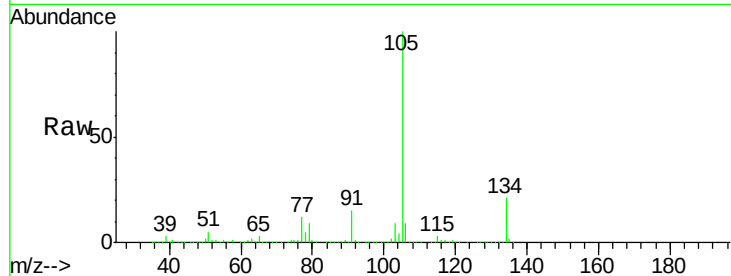
134 21.0 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.678 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010738.D

Acq: 09 Jul 2019 09:53

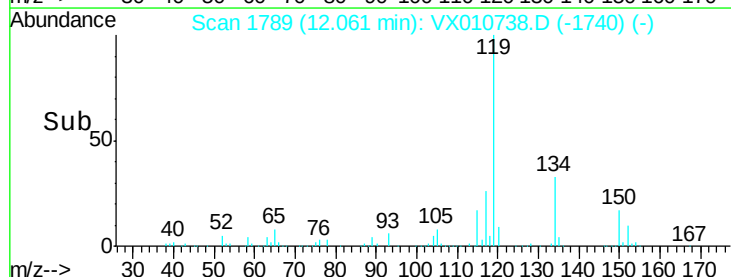
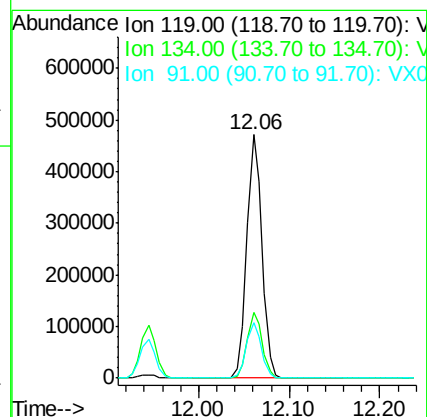
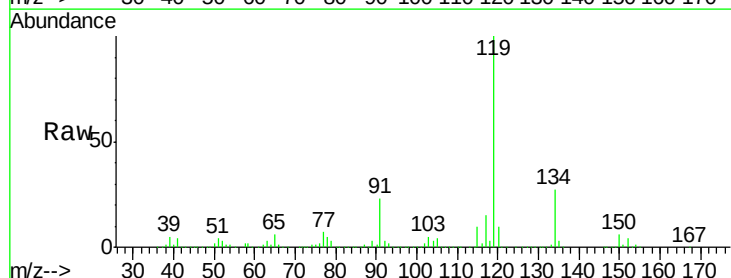
Tgt Ion:119 Resp: 544314

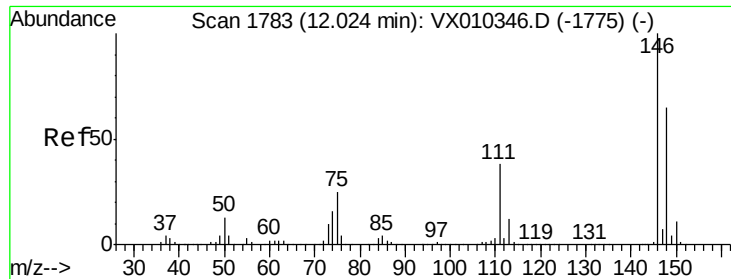
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 23.0 11.3 33.8





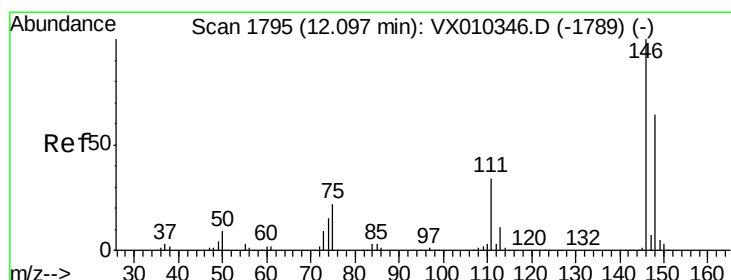
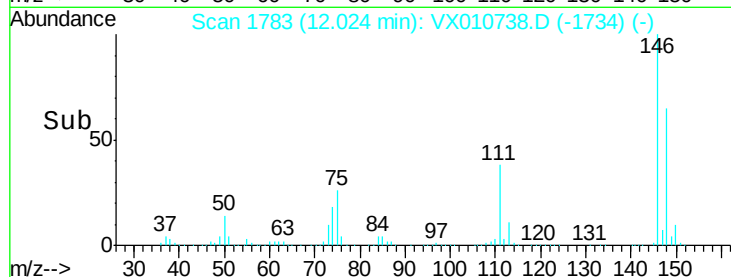
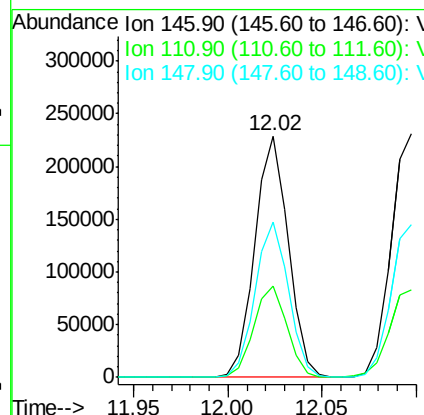
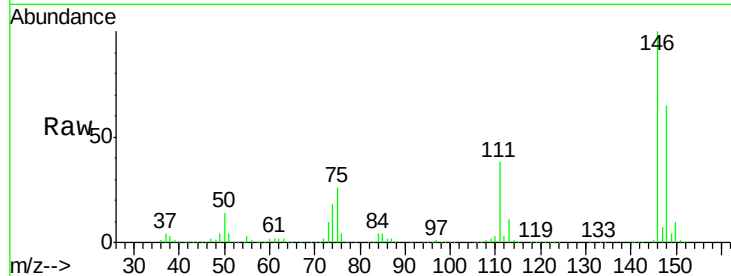
#87
 1,3-Dichlorobenzene
 Concen: 51.035 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	64.6	32.5	97.4

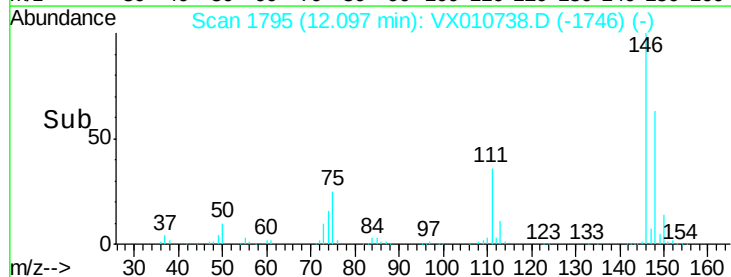
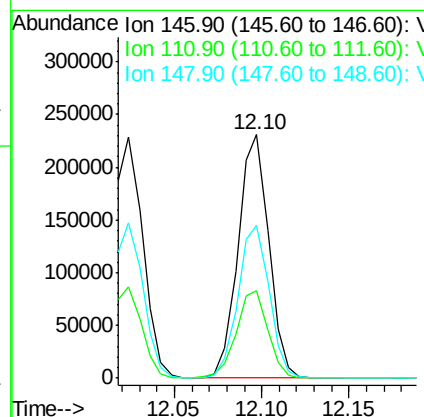
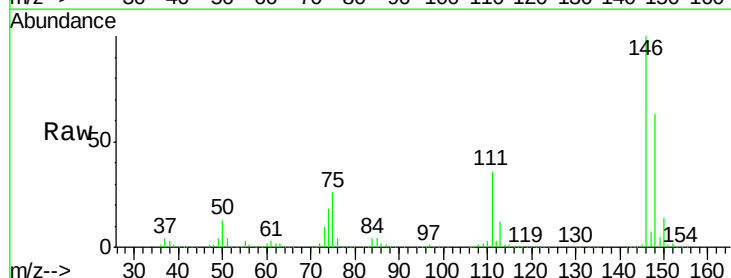
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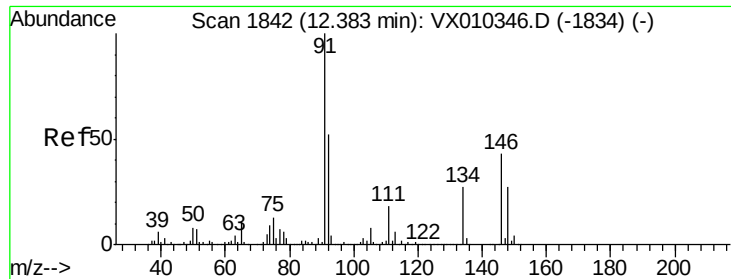
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#88
 1,4-Dichlorobenzene
 Concen: 50.414 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.3
148	63.9	32.1	96.3





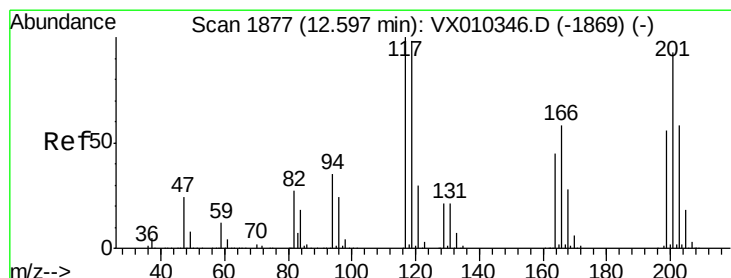
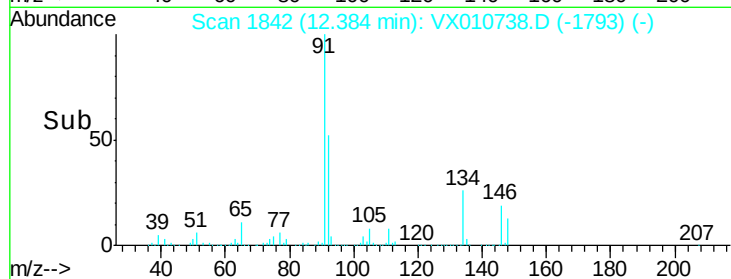
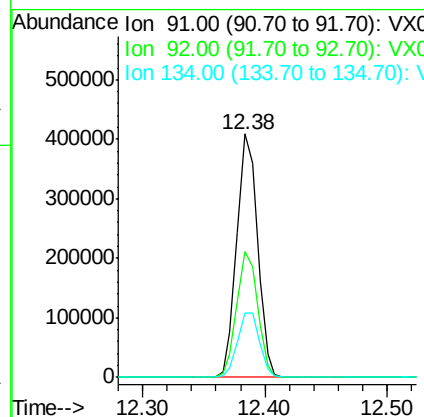
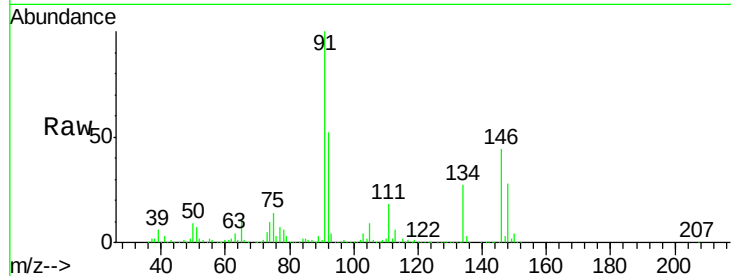
#89
n-Butylbenzene
Concen: 55.728 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	27.7	14.1	42.4

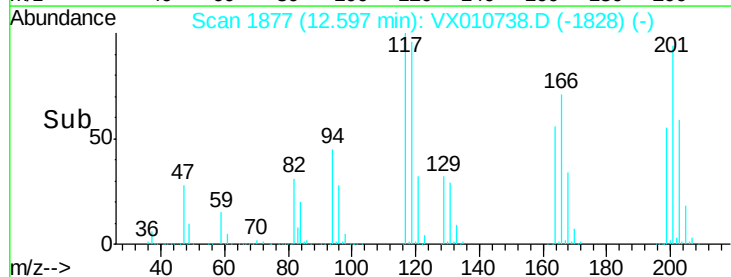
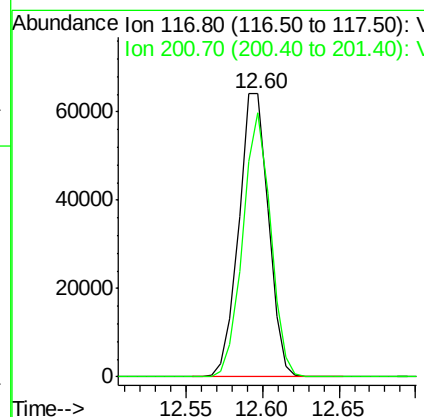
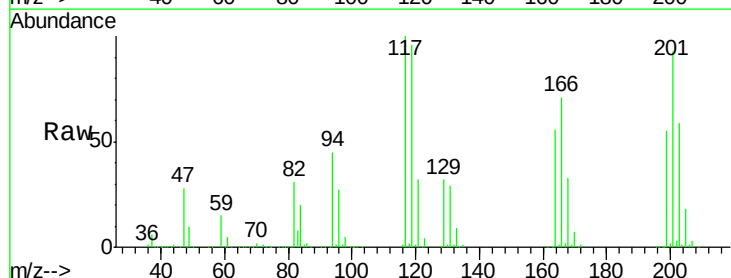
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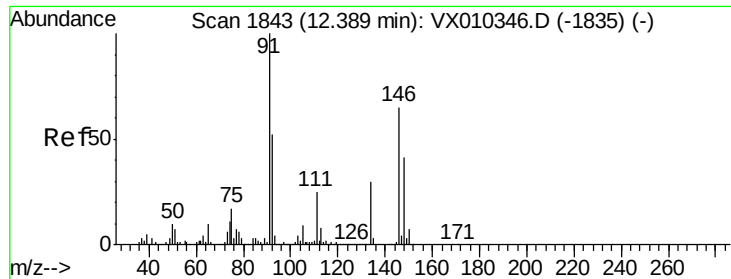
MMDadoda
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#90
Hexachloroethane
Concen: 49.237 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	44.0	131.8





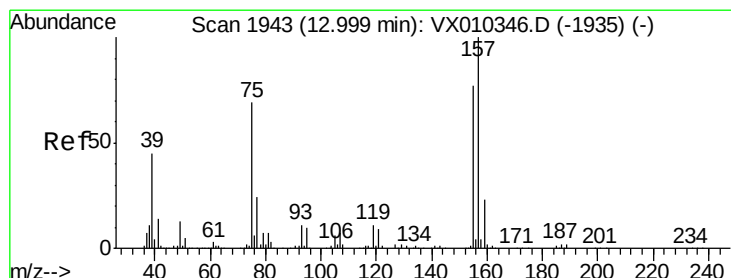
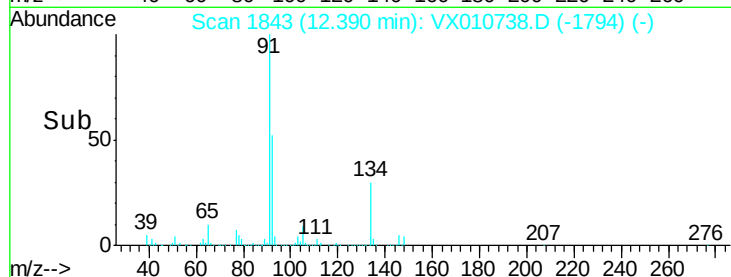
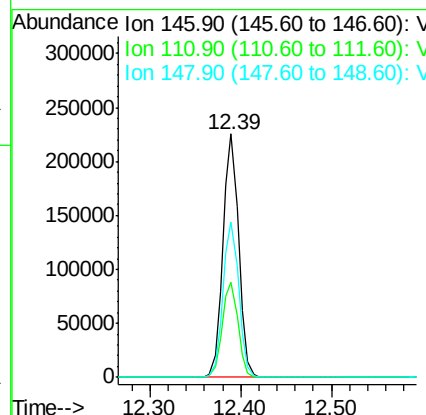
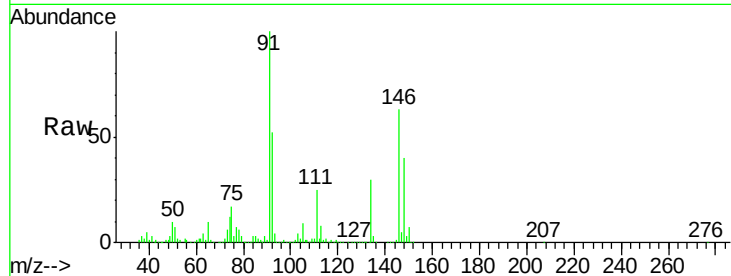
#91
 1,2-Dichlorobenzene
 Concen: 49.998 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.2	57.6
148	64.2	32.0	96.0

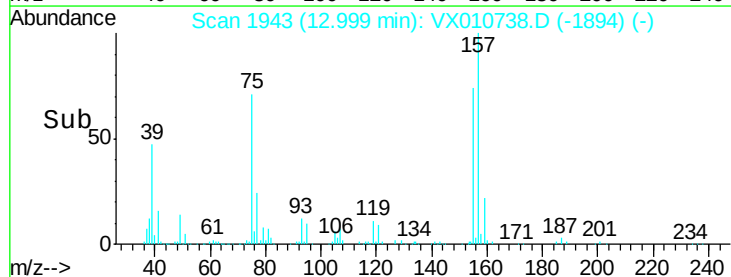
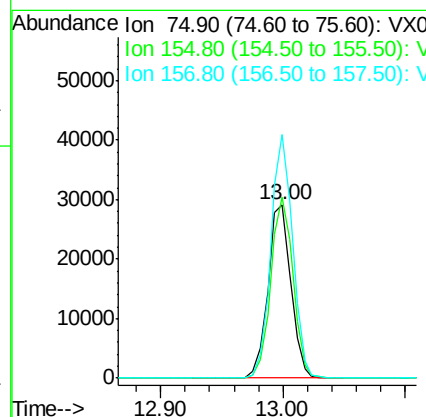
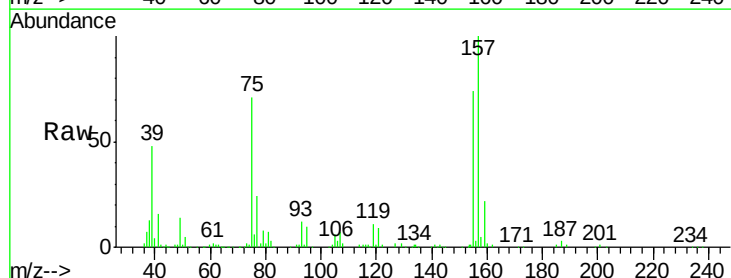
Manual Integrations
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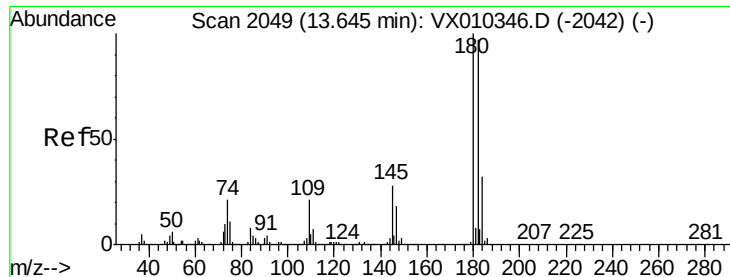
MMDadoda
 7/10/2019 10:19:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.396 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	54.4	163.1
157	131.9	69.5	208.3





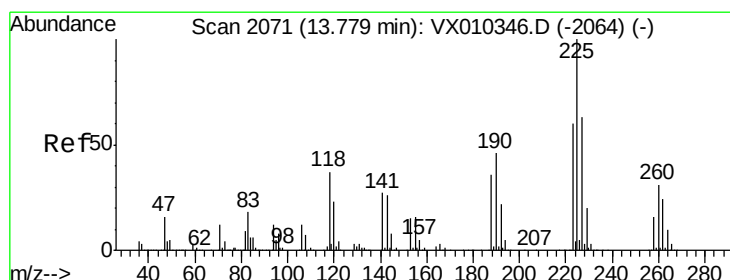
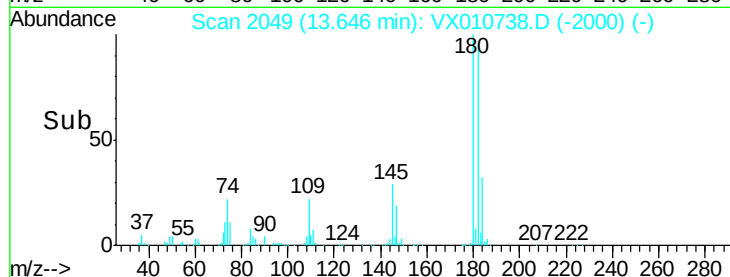
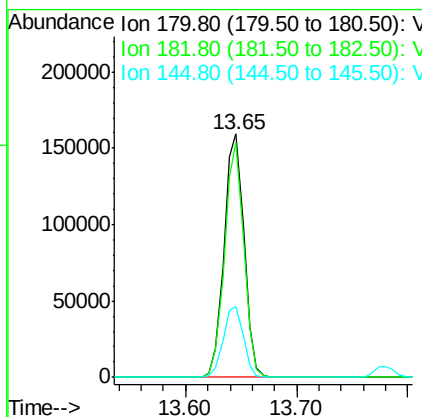
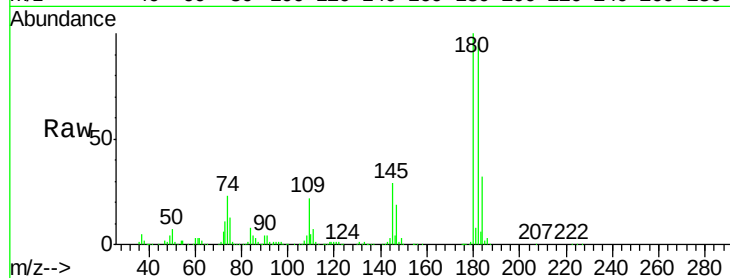
#93
 1,2,4-Trichlorobenzene
 Concen: 51.852 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	196569		
182	93.2	48.0	144.0	
145	29.6	14.4	43.4	

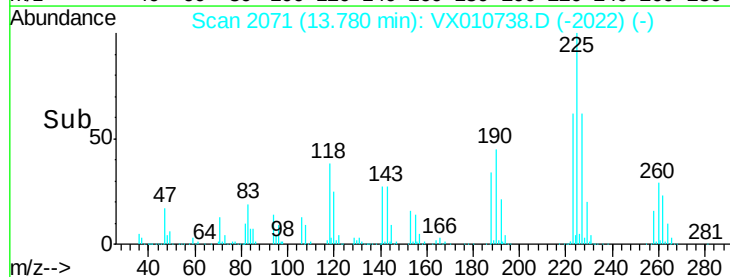
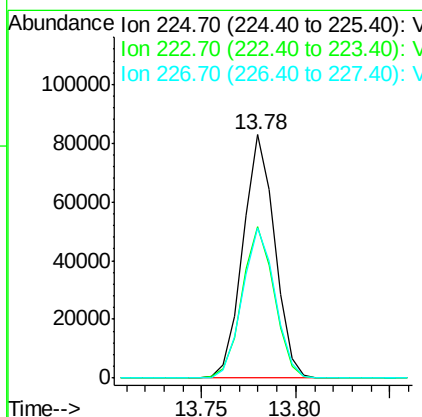
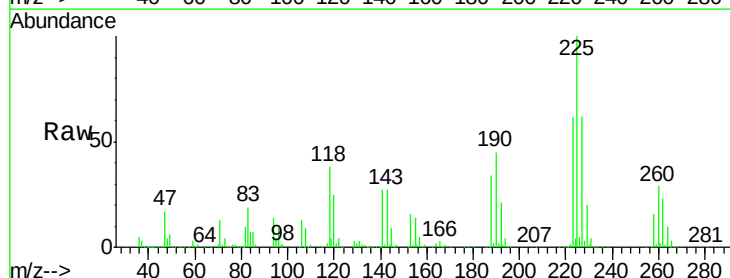
Manual Integrations
 APPROVED

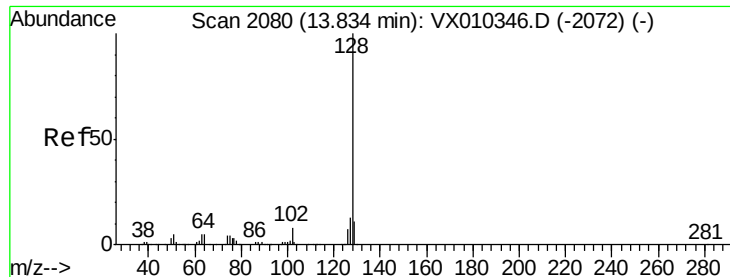
MMDadoda
 7/10/2019 10:19:25 AM



#94
 Hexachlorobutadiene
 Concen: 52.402 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010738.D
 Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97088		
223	62.7	30.9	92.7	
227	63.2	31.9	95.5	





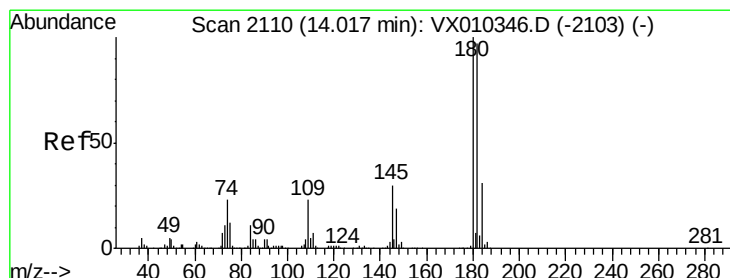
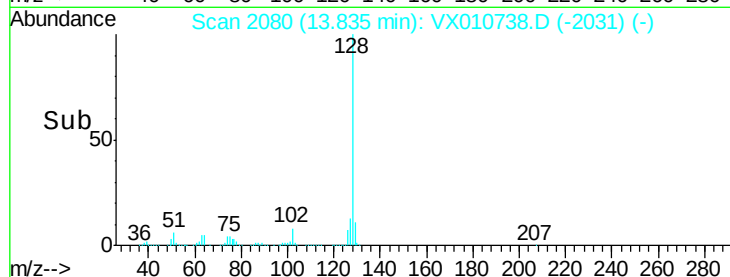
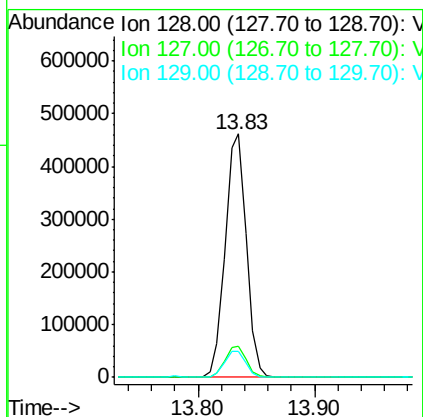
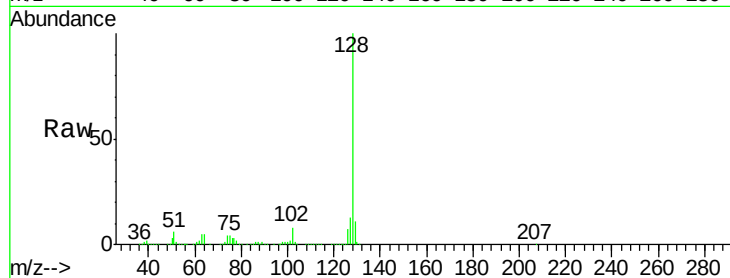
#95
Naphthalene
Concen: 49.650 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/10/2019 10:19:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.505 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010738.D
Acq: 09 Jul 2019 09:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	30.9	15.2	45.6

