

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010819\
 Data File : VX006951.D
 Acq On : 08 Jan 2019 12:52
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 10:25:01 AM

Quant Time: Jan 08 13:17:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 13:13:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	590636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	875470	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	782015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	392209	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	310766	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	5.50	113	286069	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	8.71	98	1056338	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	367378	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	248807	46.047	ug/l	98
3) Chloromethane	1.33	50	274355	47.130	ug/l	99
4) Vinyl Chloride	1.41	62	293178	48.222	ug/l	99
5) Bromomethane	1.64	94	286595	43.355	ug/l	98
6) Chloroethane	1.71	64	184818	43.903	ug/l	99
7) Trichlorofluoromethane	1.93	101	454908	47.992	ug/l	98
8) Diethyl Ether	2.19	74	175038	46.493	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	259623	46.649	ug/l	99
10) Methyl Iodide	2.51	142	406421	51.015	ug/l	99
11) Tert butyl alcohol	3.07	59	324562	228.463	ug/l	100
12) 1,1-Dichloroethene	2.37	96	248778	47.142	ug/l	96
13) Acrolein	2.30	56	153876	160.560	ug/l	96
14) Allyl chloride	2.73	41	434800	48.949	ug/l	99
15) Acrylonitrile	3.15	53	762496	241.736	ug/l	99
16) Acetone	2.45	43	682389	233.330	ug/l	99
17) Carbon Disulfide	2.57	76	653006	46.759	ug/l	99
18) Methyl Acetate	2.78	43	391304	45.503	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	869880	49.665	ug/l	99
20) Methylene Chloride	2.86	84	279910	46.285	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	269053	46.015	ug/l	99
22) Diisopropyl ether	3.87	45	811478	49.936	ug/l	92
23) Vinyl Acetate	3.82	43	3438028	258.648	ug/l	100
24) 1,1-Dichloroethane	3.70	63	452879	46.685	ug/l	99
25) 2-Butanone	4.70	43	1014879	246.703	ug/l	99
26) 2,2-Dichloropropane	4.59	77	346628	46.258	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	306537	47.516	ug/l	99
28) Bromochloromethane	5.02	49	213332	47.831	ug/l	98
29) Tetrahydrofuran	5.15	42	655957	242.099	ug/l	98
30) Chloroform	5.21	83	469098	46.697	ug/l	97
31) Cyclohexane	5.57	56	403876	45.828	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	410980	48.451	ug/l	99
36) 1,1-Dichloropropene	5.80	75	350343	48.317	ug/l	98
37) Ethyl Acetate	4.85	43	382367	50.666	ug/l	98
38) Carbon Tetrachloride	5.78	117	357654	50.755	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	442319	46.335	ug/l	98
40) Benzene	6.14	78	1067914	48.453	ug/l	100
41) Methacrylonitrile	5.06	41	206171	51.456	ug/l	99
42) 1,2-Dichloroethane	6.20	62	362628	48.284	ug/l	100
43) Isopropyl Acetate	6.46	43	610334	53.151	ug/l	98
44) Trichloroethene	7.21	130	314670	47.170	ug/l	98
45) 1,2-Dichloropropane	7.52	63	270739	50.478	ug/l	99
46) Dibromomethane	7.66	93	190226	48.218	ug/l	97
47) Bromodichloromethane	7.90	83	334123	51.012	ug/l	100
48) Methyl methacrylate	7.77	41	308199	52.779	ug/l	97
49) 1,4-Dioxane	7.75	88	142484	862.391	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1940899	265.650	ug/l	99
52) Toluene	8.79	92	685002	48.107	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	381417	54.297	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	415902	53.959	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	284289	48.777	ug/l	96
56) Ethyl methacrylate	9.18	69	415625	50.455	ug/l	96
57) 1,3-Dichloropropane	9.37	76	456966	48.732	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1133553	258.873	ug/l	99
59) 2-Hexanone	9.49	43	1470218	263.002	ug/l	99
60) Dibromochloromethane	9.59	129	292962	54.572	ug/l	99
61) 1,2-Dibromoethane	9.67	107	310885	50.178	ug/l	99
64) Tetrachloroethene	9.34	164	300967	48.603	ug/l	99
65) Chlorobenzene	10.14	112	780785	47.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	281642	54.563	ug/l	100
67) Ethyl Benzene	10.25	91	1293746	47.856	ug/l	100
68) m/p-Xylenes	10.36	106	1022275	95.829	ug/l	99
69) o-Xylene	10.70	106	497528	47.230	ug/l	98
70) Styrene	10.71	104	798611	47.920	ug/l	99
71) Bromoform	10.86	173	217668	55.390	ug/l #	98
73) Isopropylbenzene	11.02	105	1308324	48.760	ug/l	99
74) N-amyl acetate	10.90	43	540763	56.305	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	408582	51.202	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	380224m	52.165	ug/l	
77) Bromobenzene	11.26	156	358919	49.478	ug/l	99
78) n-propylbenzene	11.36	91	1462977	49.513	ug/l	99
79) 2-Chlorotoluene	11.42	91	847902	47.353	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1088699	49.262	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	118880	58.420	ug/l	99
82) 4-Chlorotoluene	11.51	91	999751	48.675	ug/l	100
83) tert-Butylbenzene	11.77	119	1103506	49.889	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1114256	47.933	ug/l	99
85) sec-Butylbenzene	11.94	105	1304008	48.084	ug/l	100
86) p-Isopropyltoluene	12.06	119	1169994	49.079	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	630511	48.227	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	624774	46.617	ug/l	99
89) n-Butylbenzene	12.39	91	1003403	49.458	ug/l	99
90) Hexachloroethane	12.60	117	180438	55.564	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	616976	47.176	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	86802	52.571	ug/l	98

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ClientSampleId :
VSTDICCC050

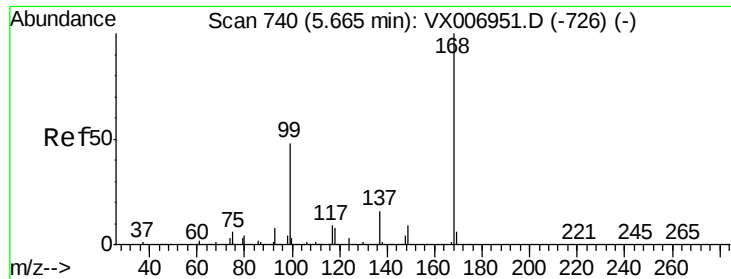
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	436562	48.392	ug/l	100
94) Hexachlorobutadiene	13.78	225	194115	45.651	ug/l	98
95) Naphthalene	13.83	128	1324340	45.996	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	428099	45.961	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 590636

Ion Ratio Lower Upper

168 100

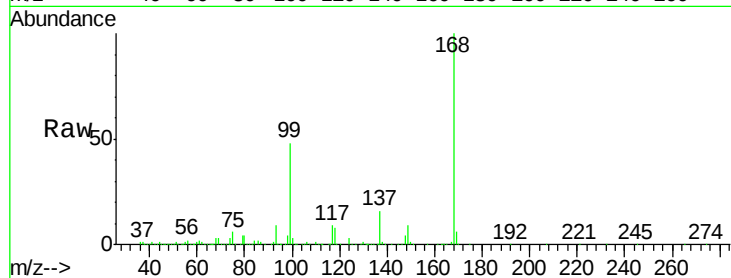
99 48.2 41.8 62.8

Manual Integrations

APPROVED

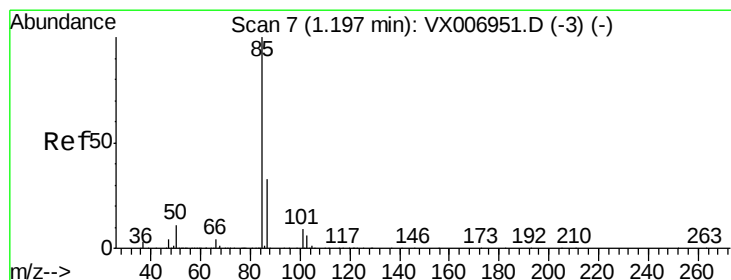
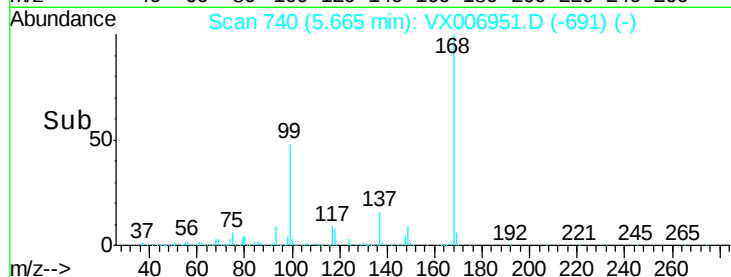
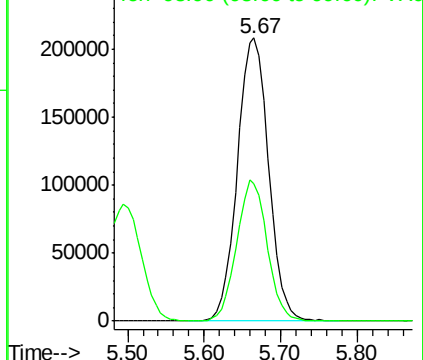
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.047 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006951.D

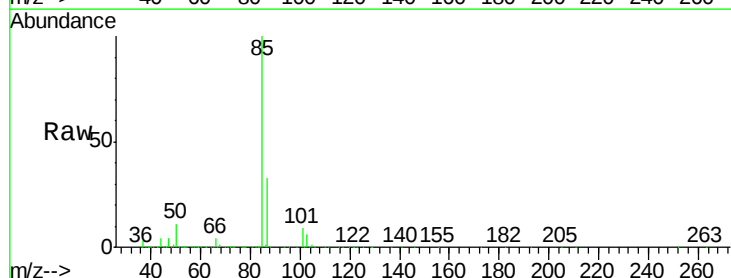
Acq: 08 Jan 2019 12:52

Tgt Ion: 85 Resp: 248807

Ion Ratio Lower Upper

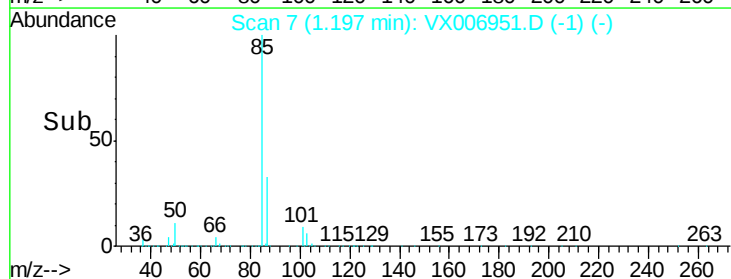
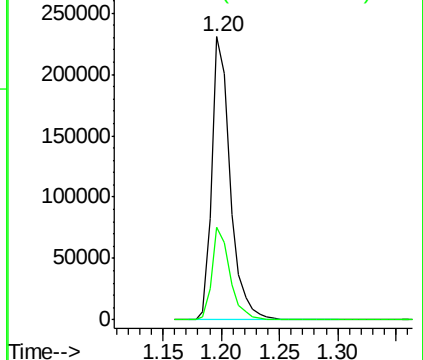
85 100

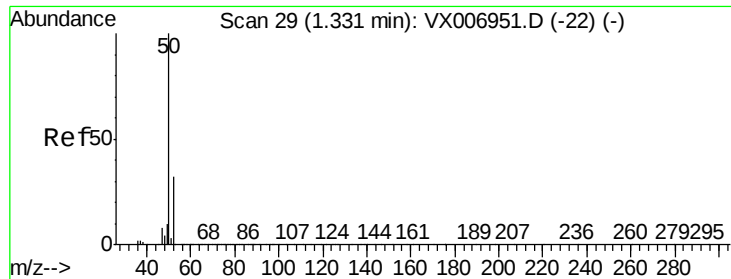
87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.130 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 274355

Ion Ratio Lower Upper

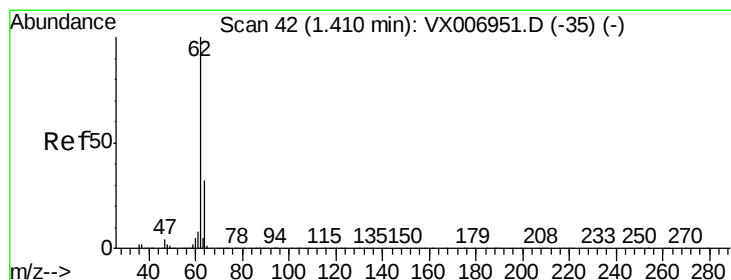
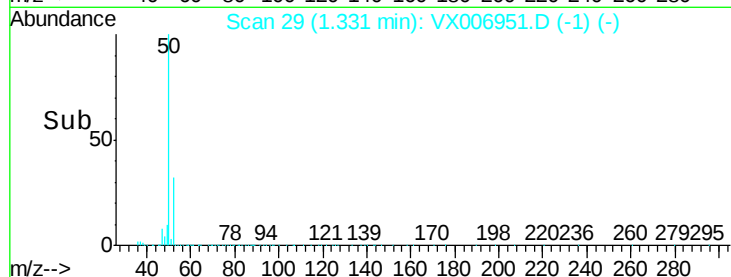
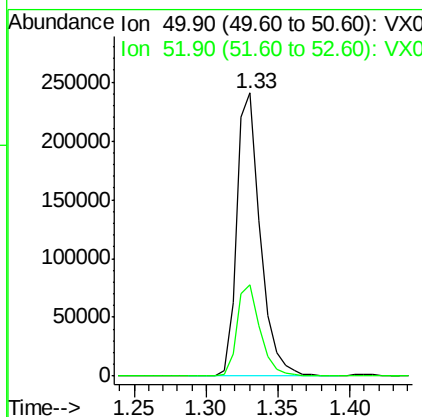
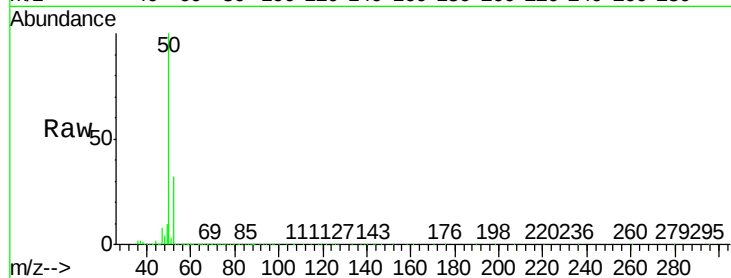
50 100

52 32.1 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.222 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006951.D

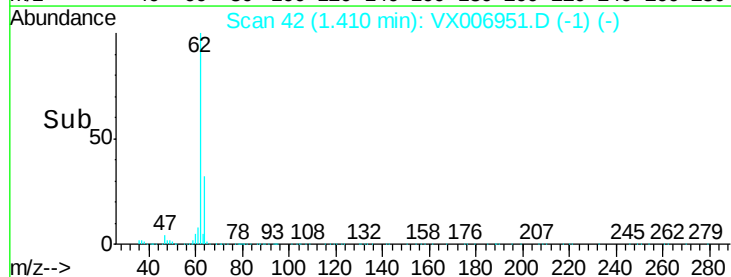
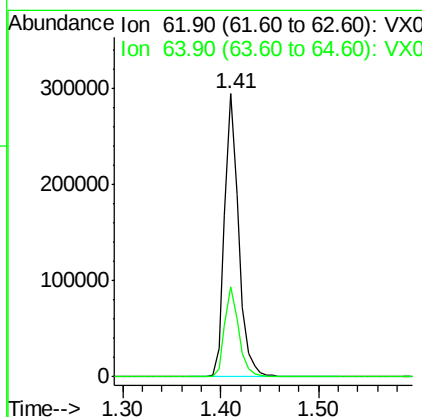
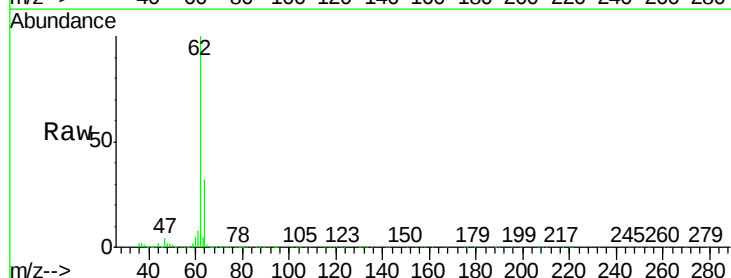
Acq: 08 Jan 2019 12:52

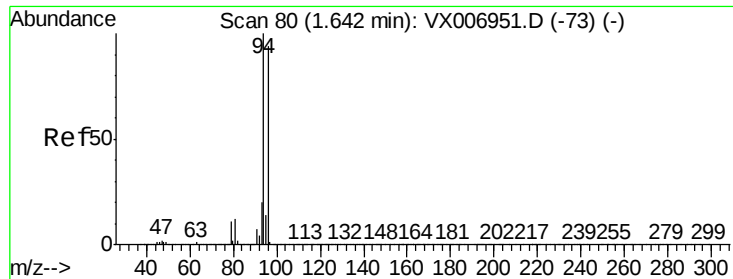
Tgt Ion: 62 Resp: 293178

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 43.355 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 286595

Ion Ratio Lower Upper

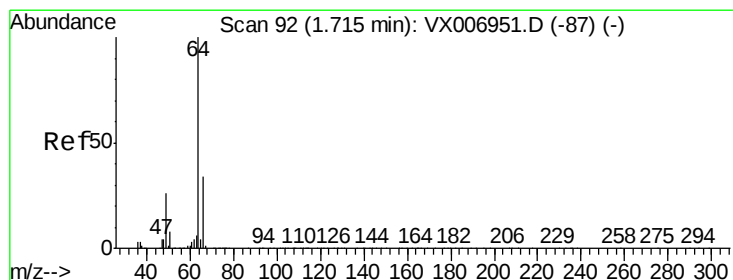
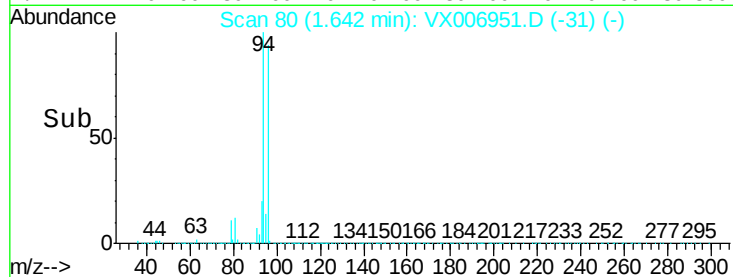
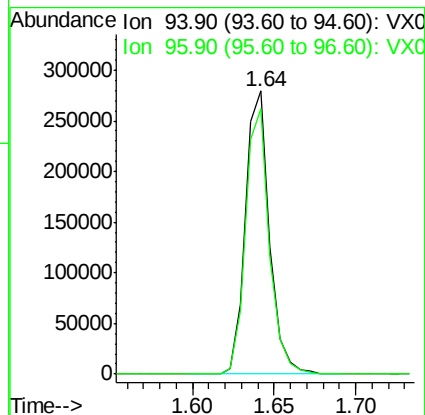
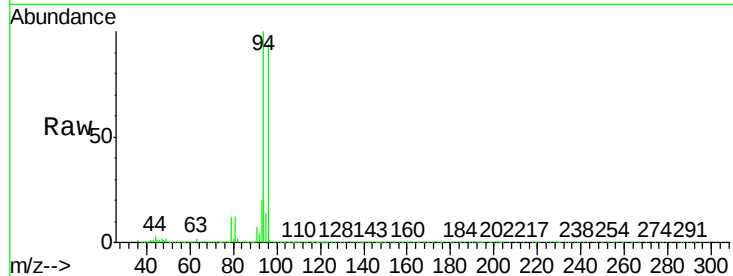
94 100

96 93.8 73.4 110.2

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#6

Chloroethane

Concen: 43.903 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX006951.D

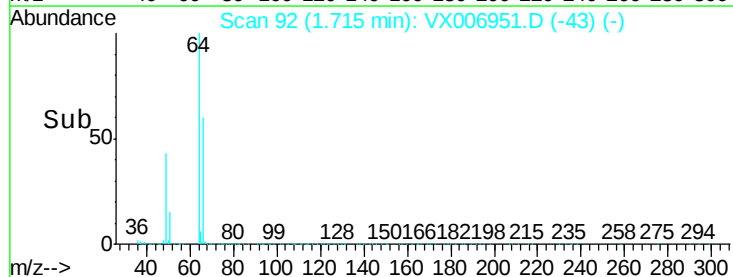
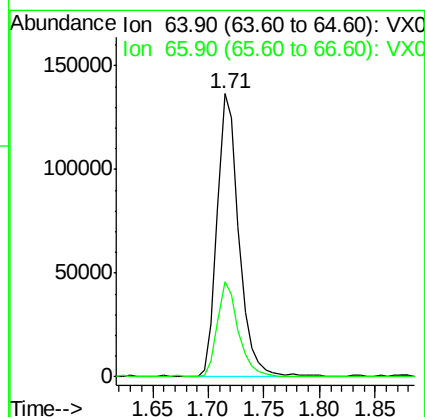
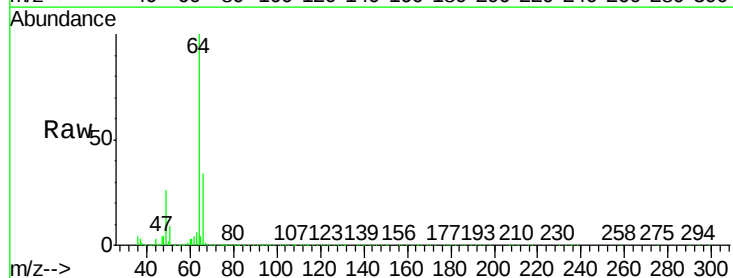
Acq: 08 Jan 2019 12:52

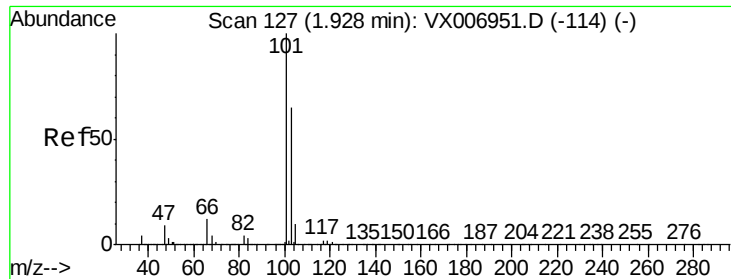
Tgt Ion: 64 Resp: 184818

Ion Ratio Lower Upper

64 100

66 33.8 26.4 39.6





#7

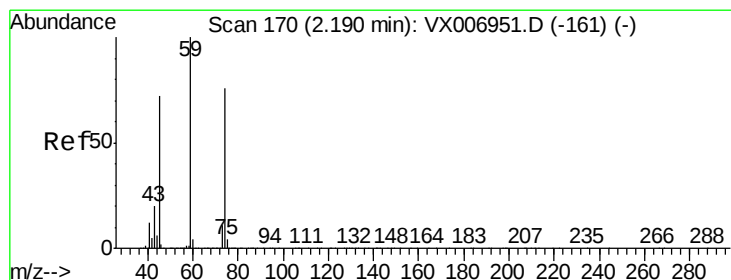
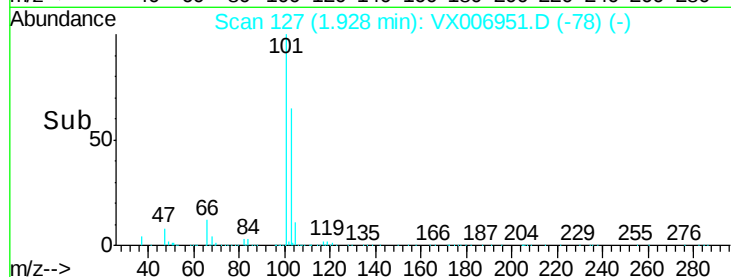
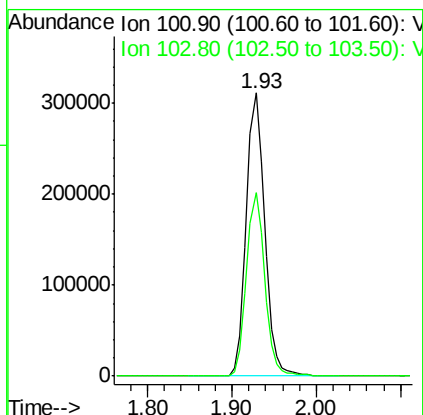
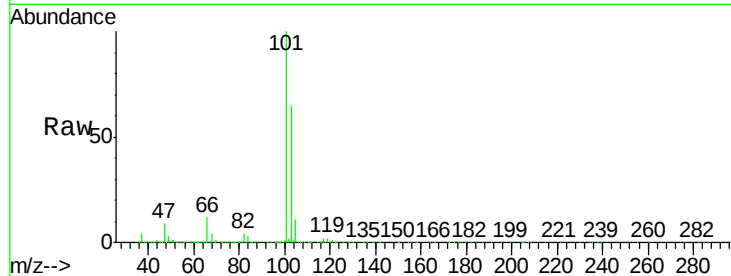
Trichlorofluoromethane
Concen: 47.992 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.2	79.8

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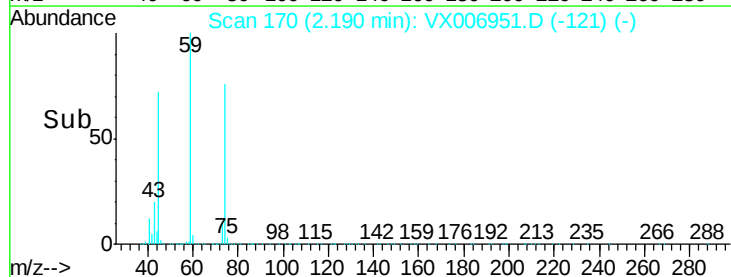
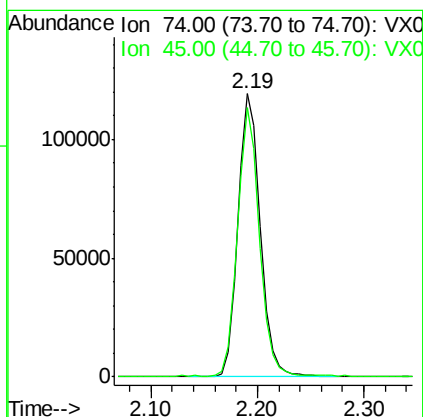
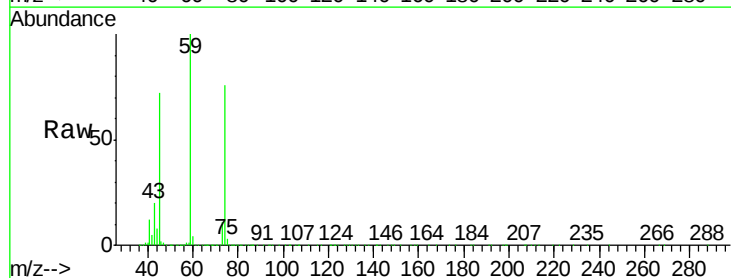
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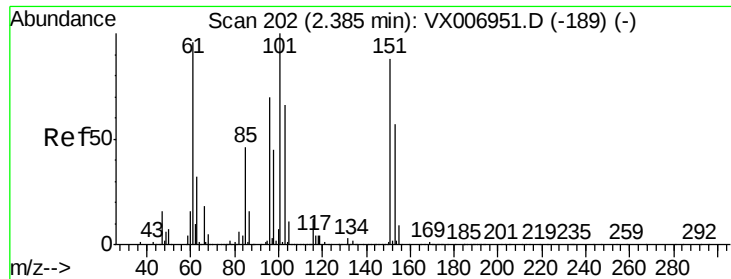


#8

Diethyl Ether
Concen: 46.493 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.649 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

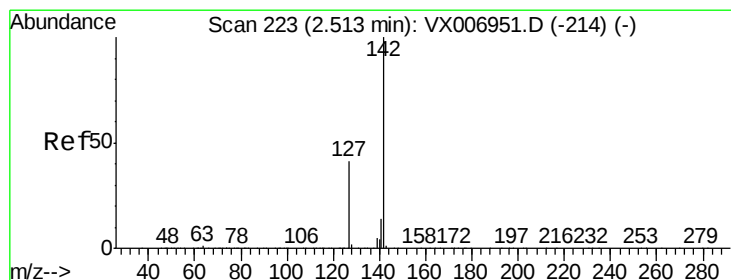
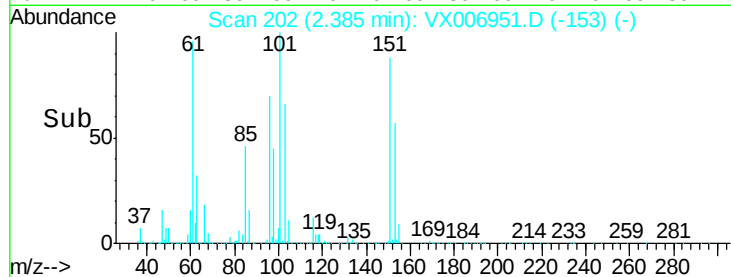
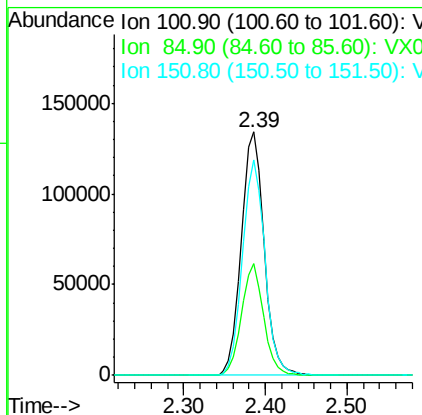
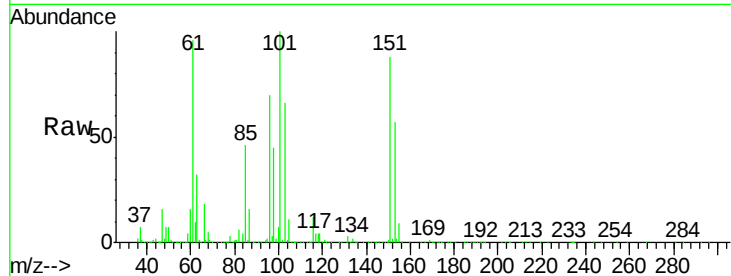
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	259623
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.1	52.7
151	87.4	68.9	103.3

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#10

Methyl Iodide

Concen: 51.015 ug/l

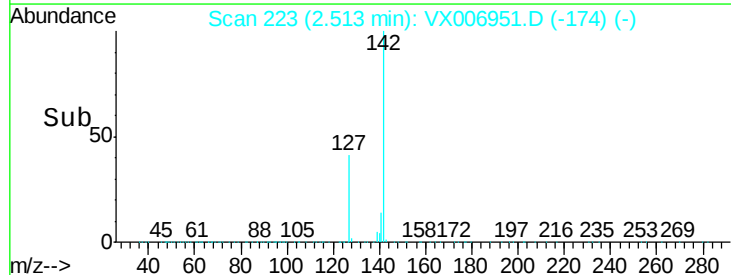
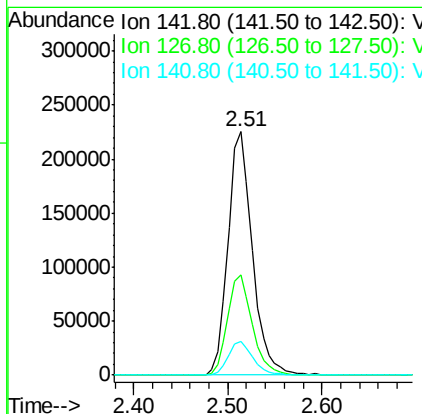
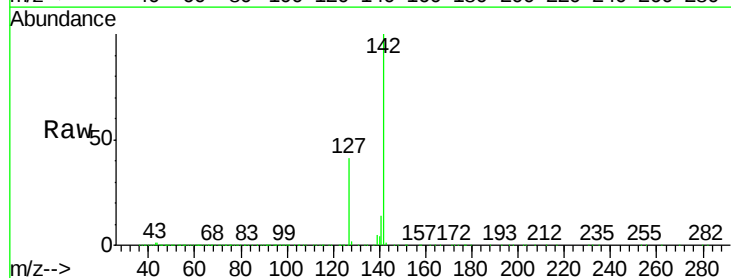
RT: 2.51 min Scan# 223

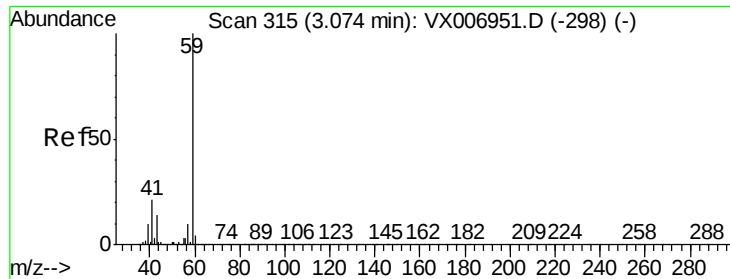
Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Tgt Ion:	142	Resp:	406421
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.9	50.9
141	14.1	11.4	17.0





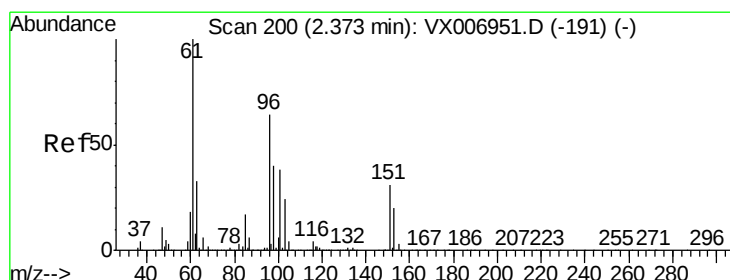
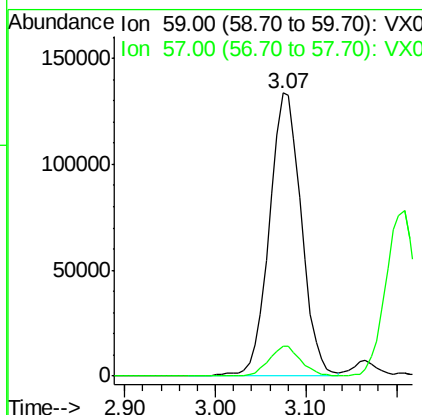
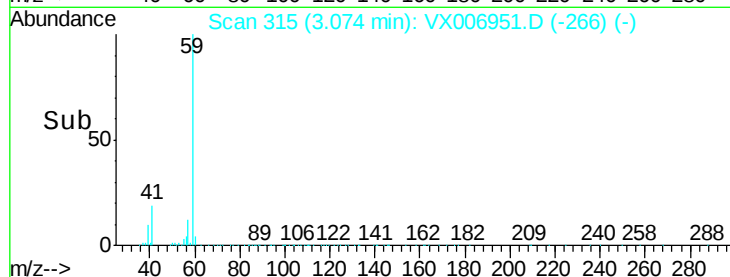
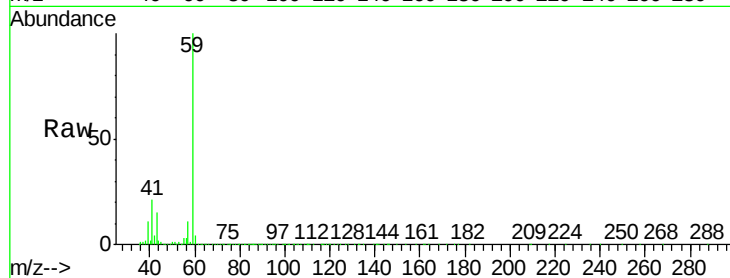
#11
Tert butyl alcohol
Concen: 228.463 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

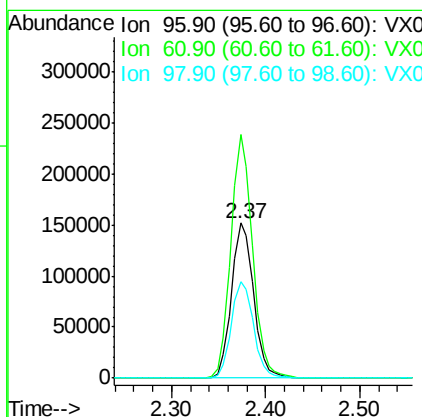
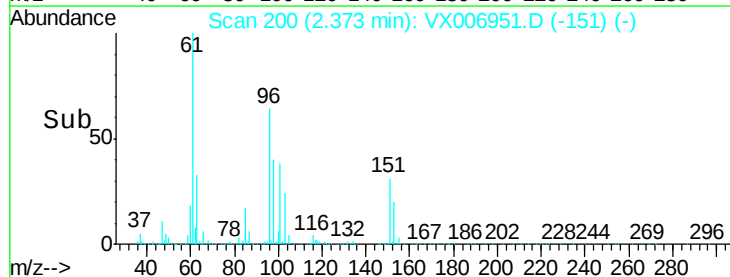
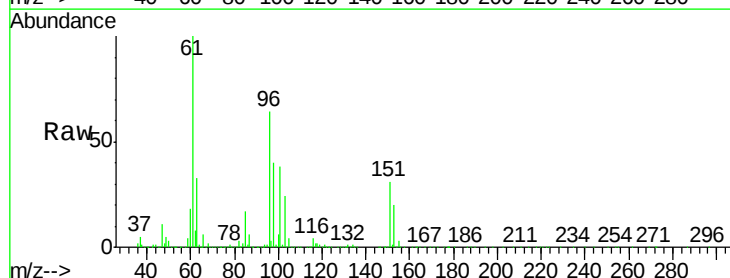
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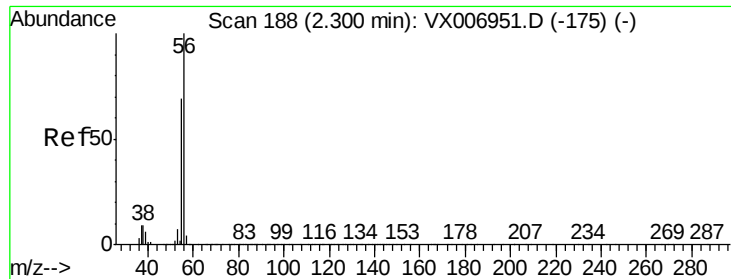
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.142 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	121.4	182.2
98	62.0	51.9	77.9





#13

Acrolein

Concen: 160.560 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 153876

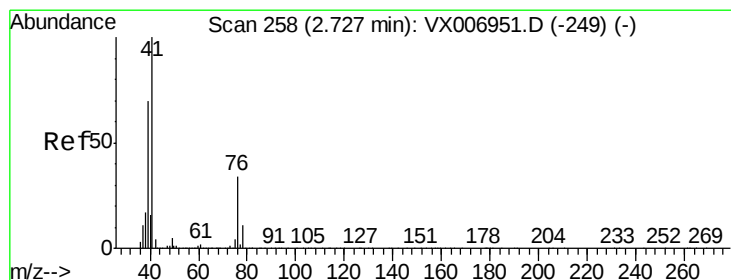
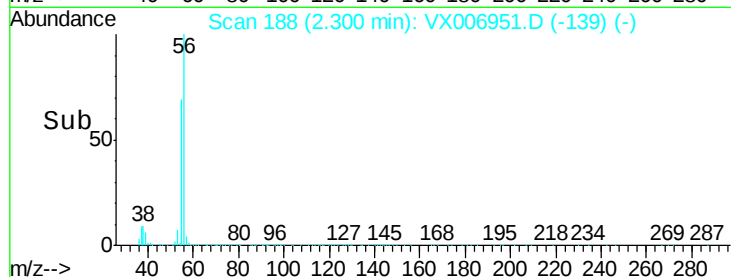
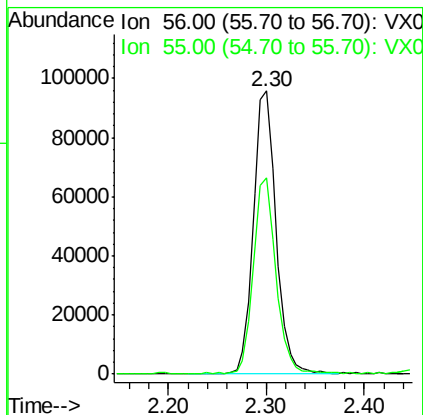
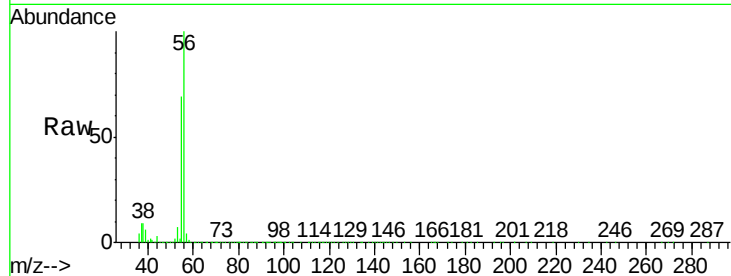
Ion Ratio Lower Upper

56 100

55 69.2 58.2 87.4

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#14

Allyl chloride

Concen: 48.949 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

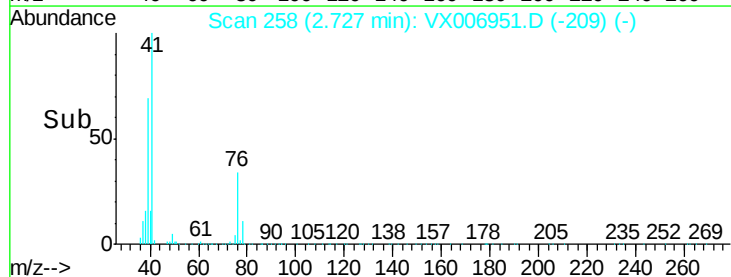
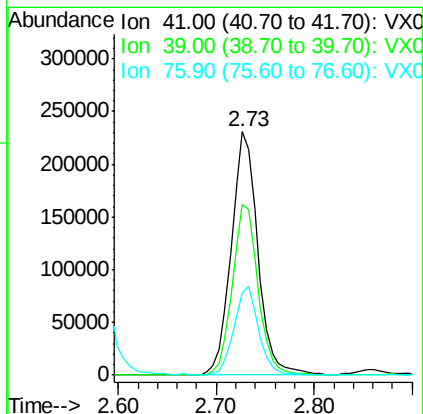
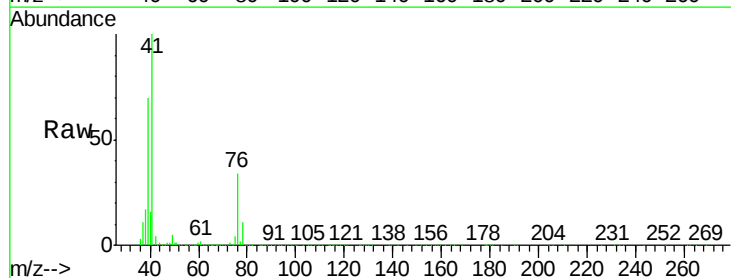
Tgt Ion: 41 Resp: 434800

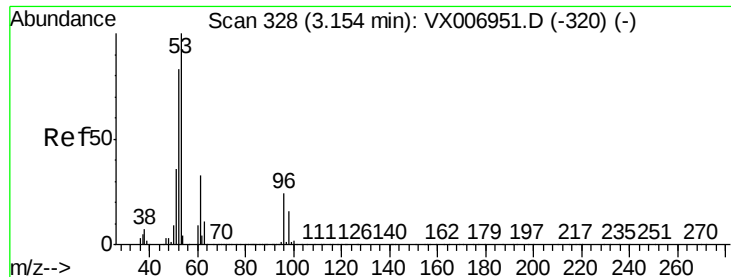
Ion Ratio Lower Upper

41 100

39 67.4 53.6 80.4

76 33.6 27.4 41.2





#15

Acrylonitrile

Concen: 241.736 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

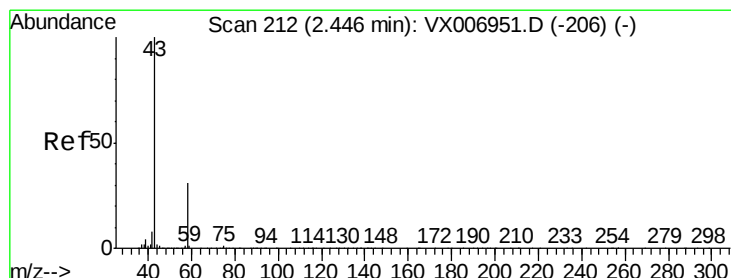
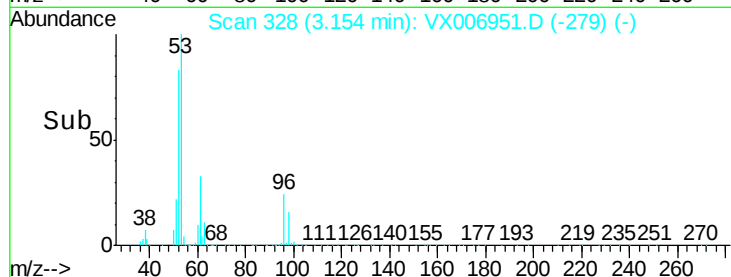
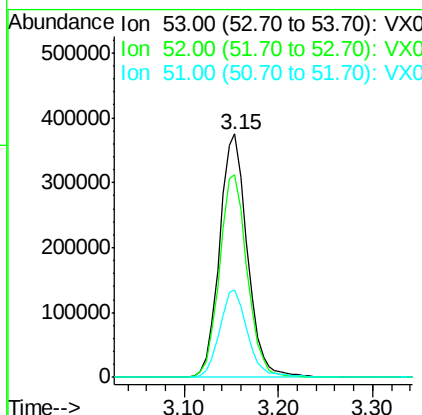
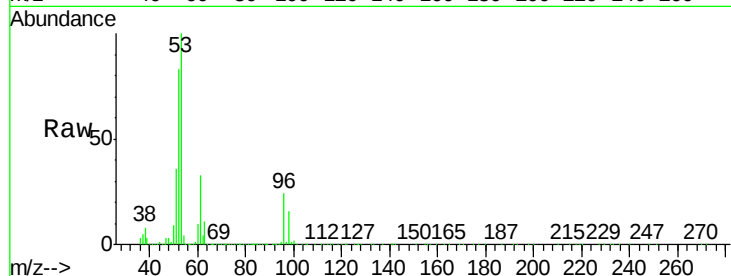
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	762496
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.0	99.0
51	36.3	28.6	42.8

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#16

Acetone

Concen: 233.330 ug/l

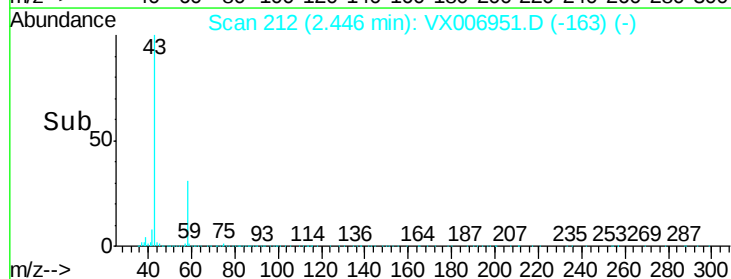
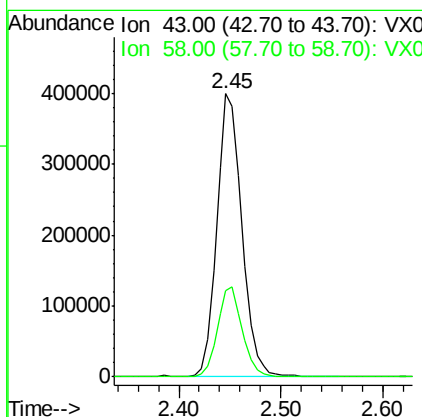
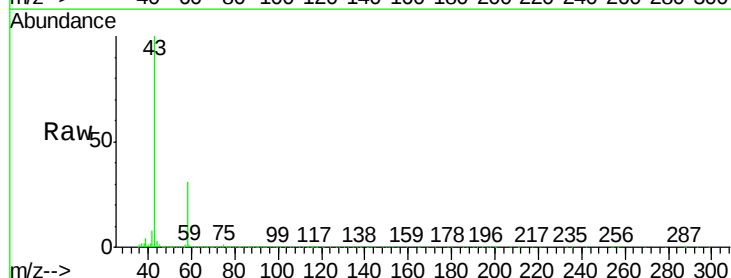
RT: 2.45 min Scan# 212

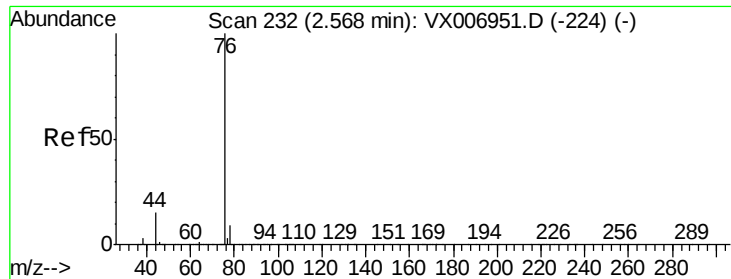
Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Tgt Ion:	43	Resp:	682389
Ion Ratio		Lower	Upper
43	100		
58	30.6	25.0	37.6





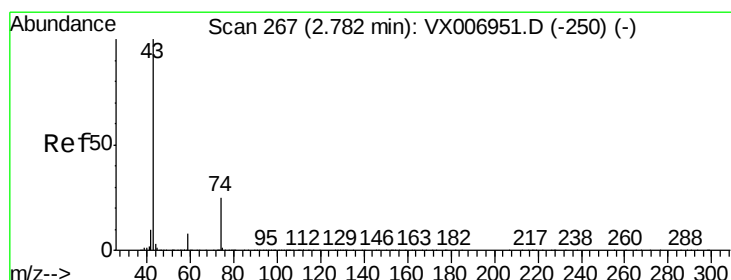
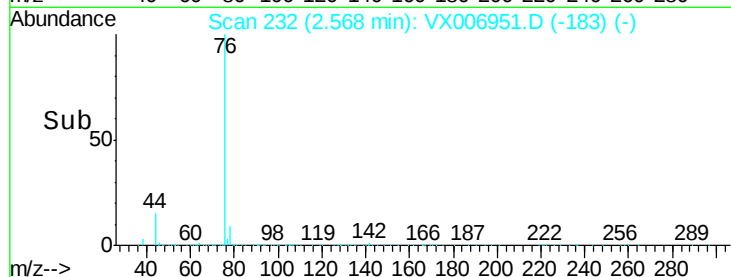
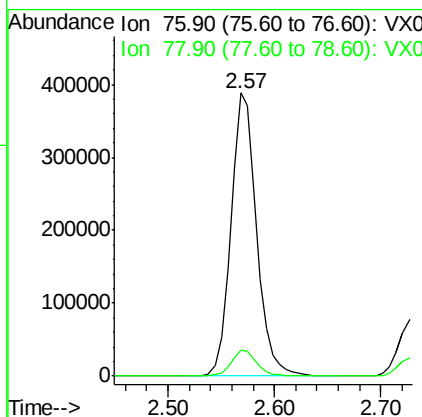
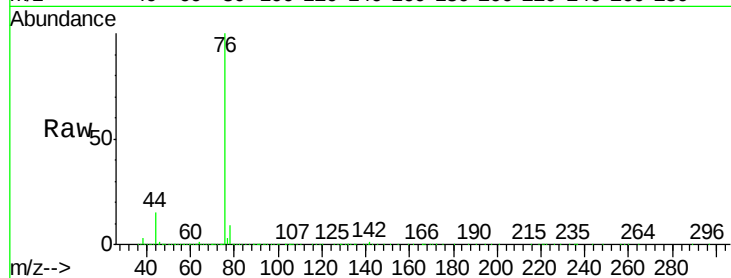
#17
Carbon Disulfide
Concen: 46.759 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

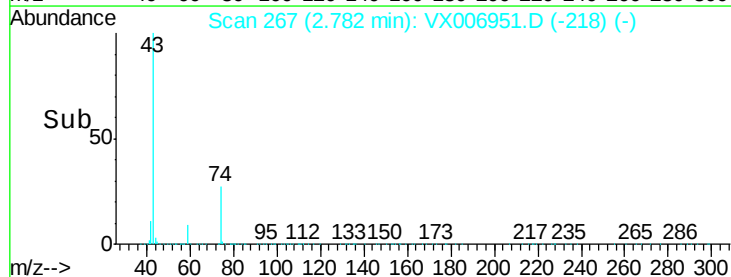
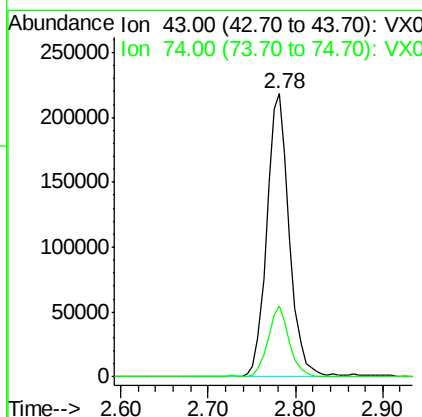
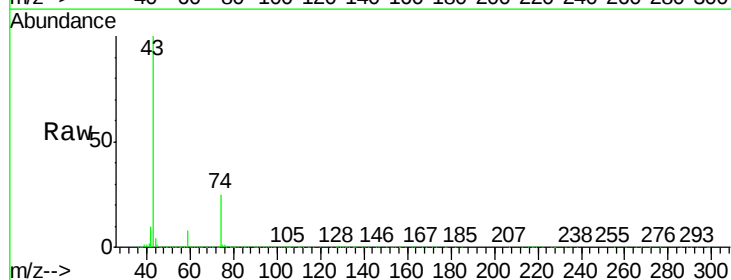
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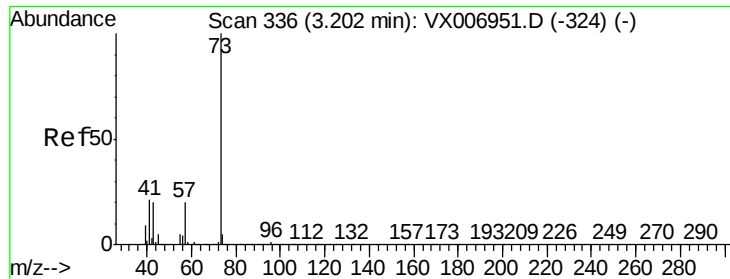
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#18
Methyl Acetate
Concen: 45.503 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.6	28.0





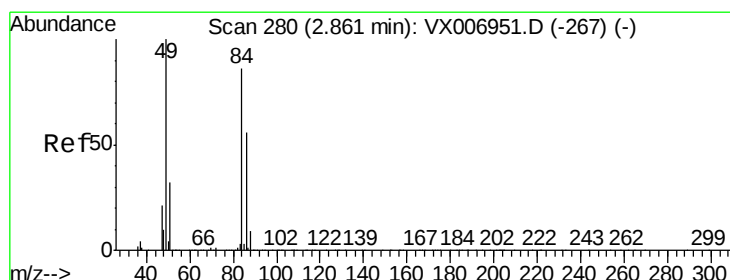
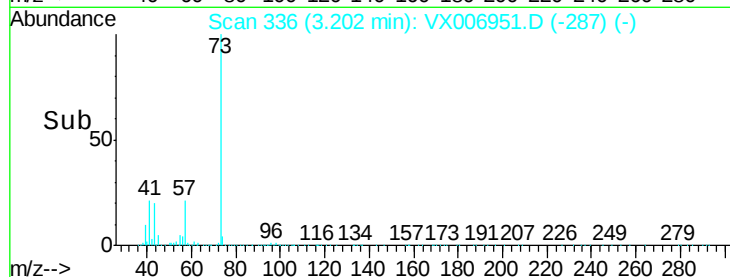
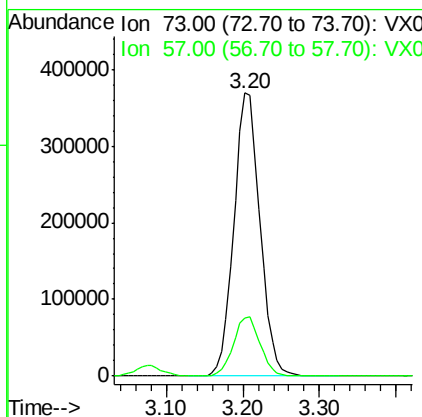
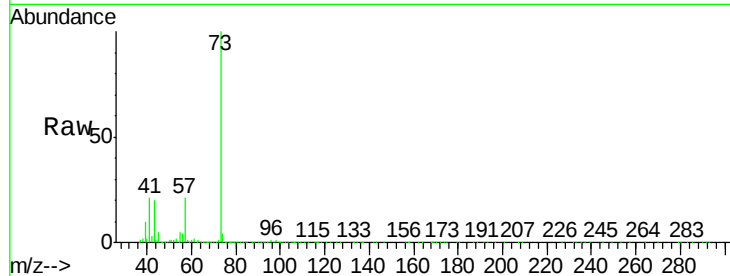
#19
Methvl tert-butvl Ether
Concen: 49.665 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	16.8	25.2

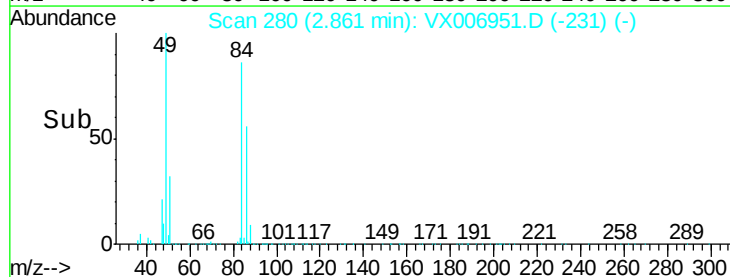
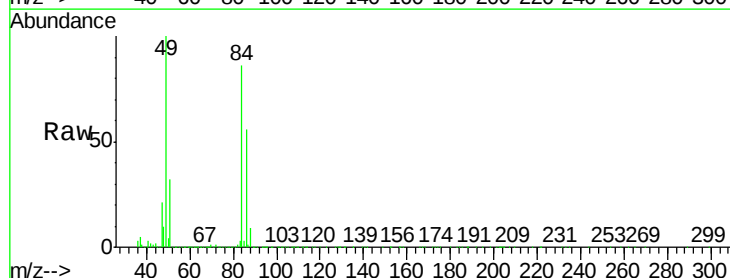
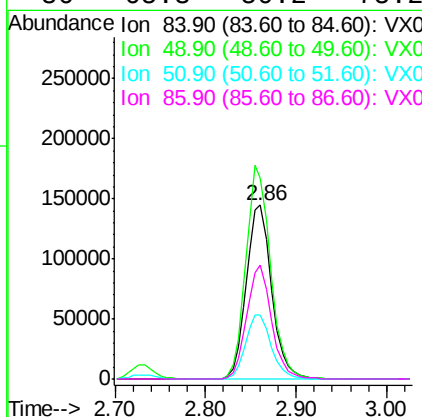
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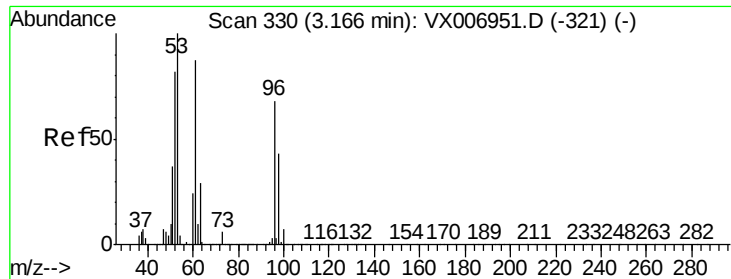
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#20
Methylene Chloride
Concen: 46.285 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.8	91.8	137.6
51	36.6	28.5	42.7
86	65.3	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 46.015 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

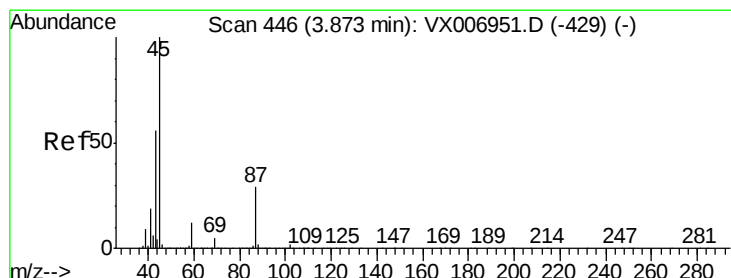
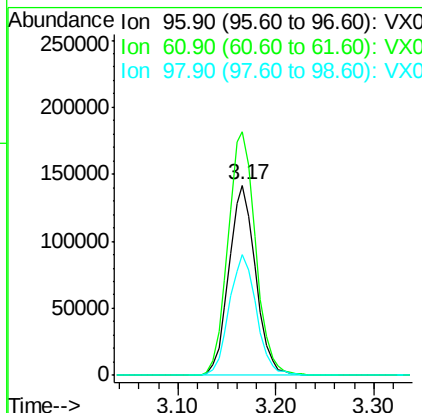
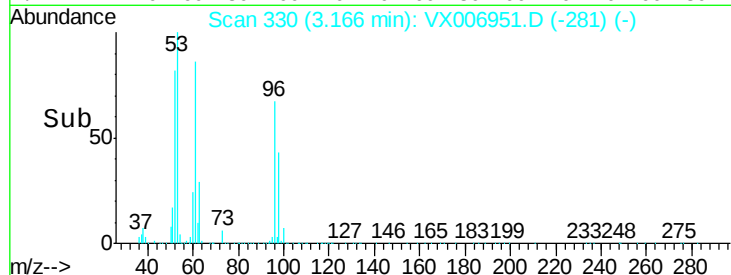
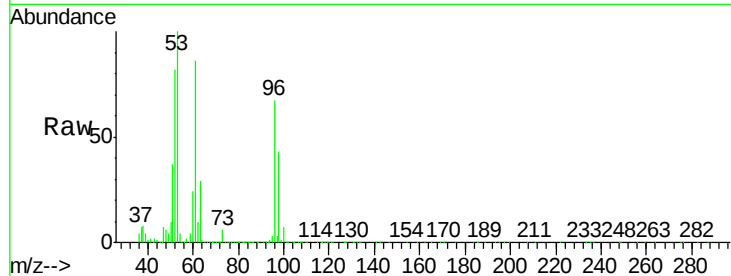
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	269053
Ion Ratio	Lower	Upper	
96	100		
61	127.9	103.7	155.5
98	63.5	51.0	76.6

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#22

Diisopropyl ether

Concen: 49.936 ug/l

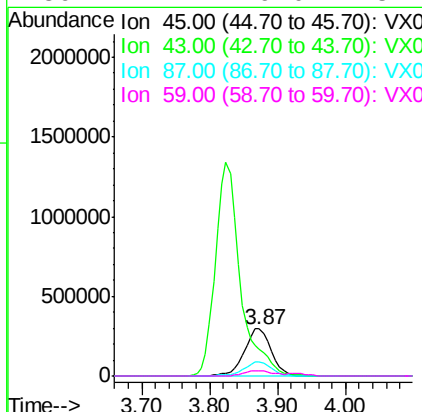
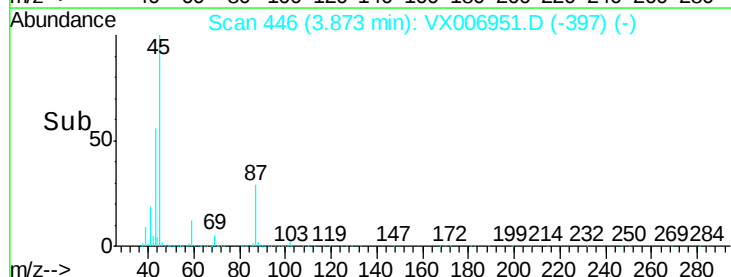
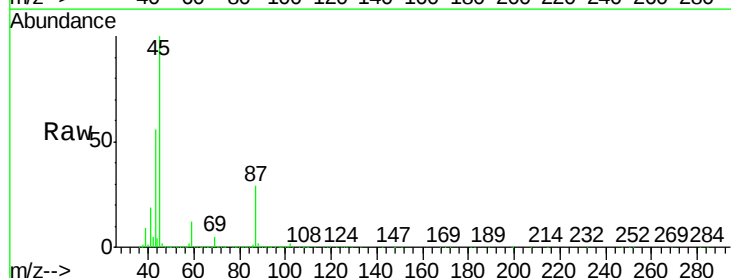
RT: 3.87 min Scan# 446

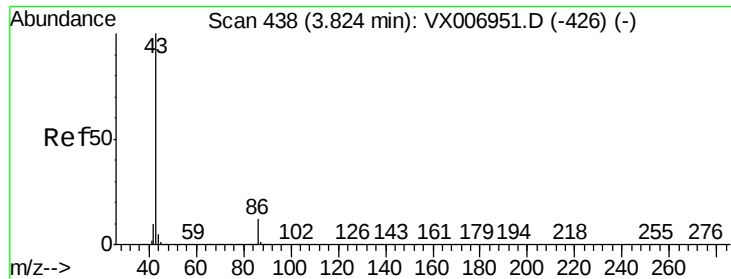
Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Tgt Ion:	45	Resp:	811478
Ion Ratio	Lower	Upper	
45	100		
43	56.0	51.2	76.8
87	29.4	25.8	38.6
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 258.648 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 3438028

Ion Ratio Lower Upper

43 100

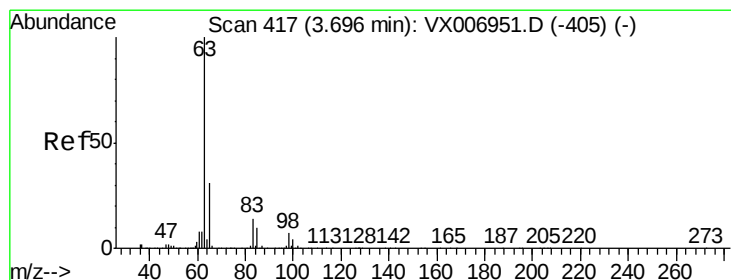
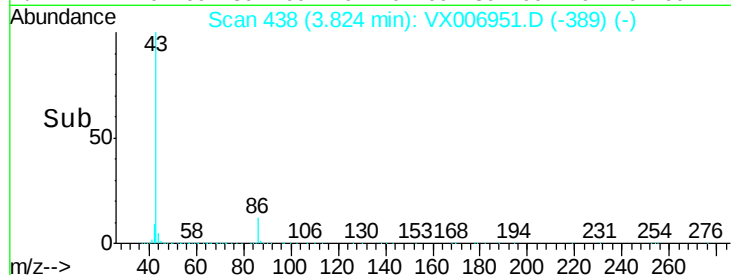
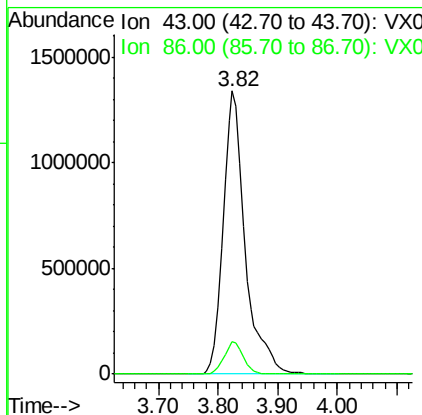
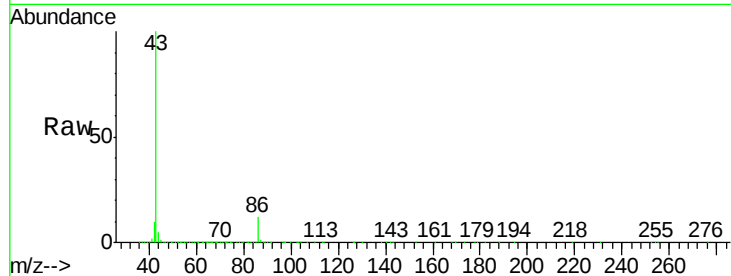
86 11.6 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 46.685 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

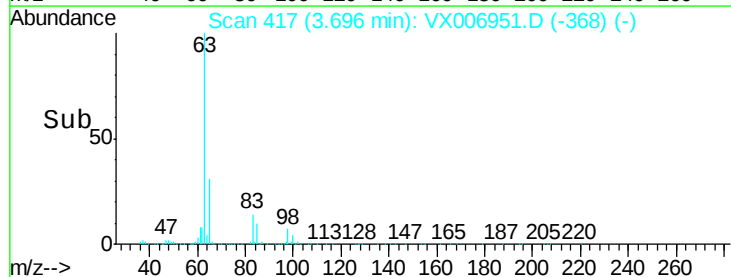
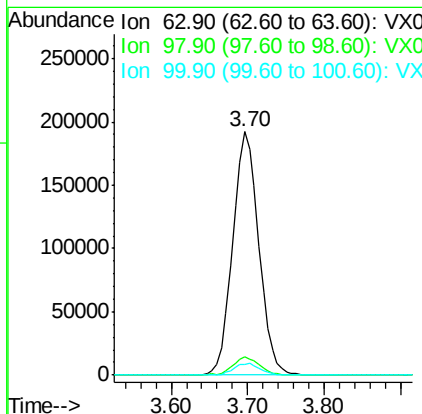
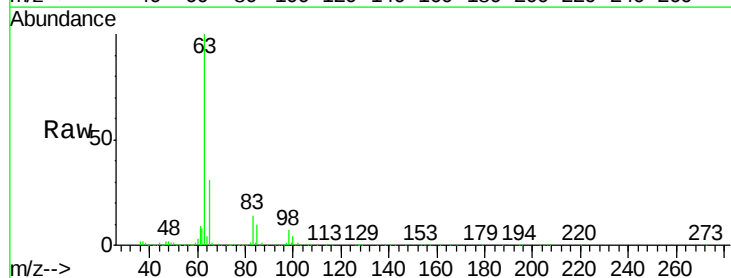
Tgt Ion: 63 Resp: 452879

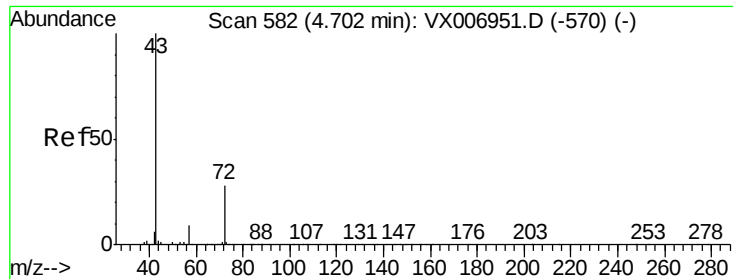
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 246.703 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1014879

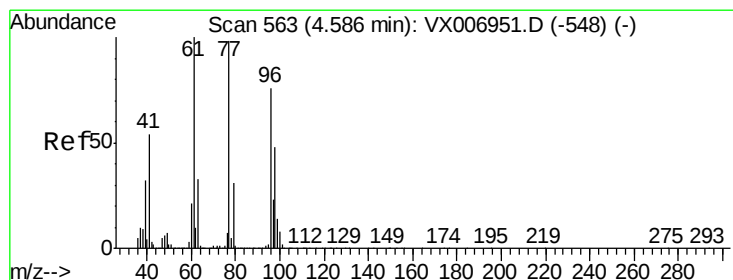
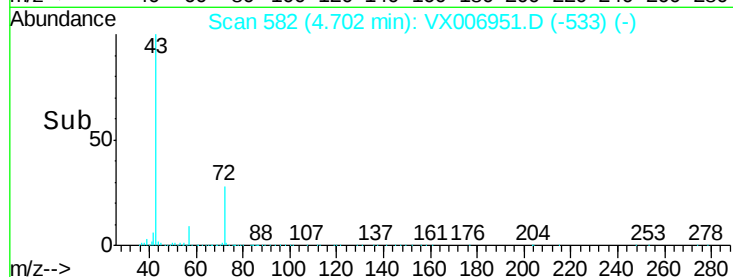
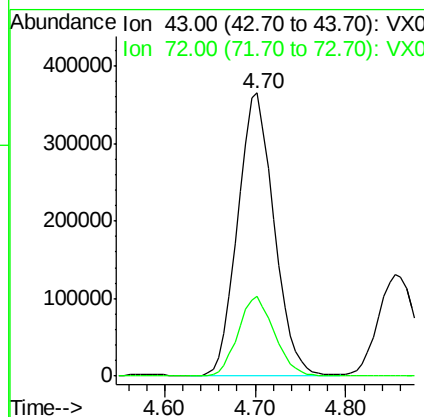
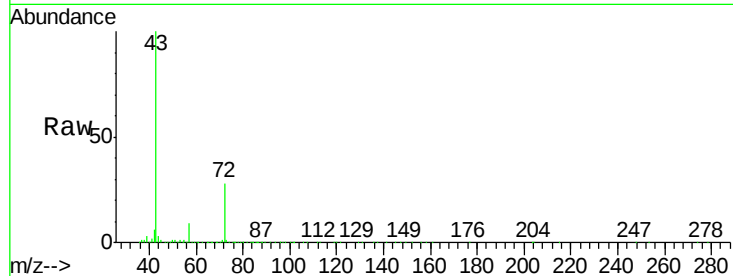
Ion Ratio Lower Upper

43 100

72 28.3 22.4 33.6

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#26

2,2-Dichloropropane

Concen: 46.258 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006951.D

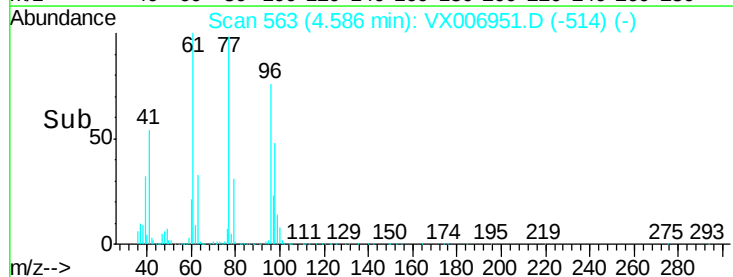
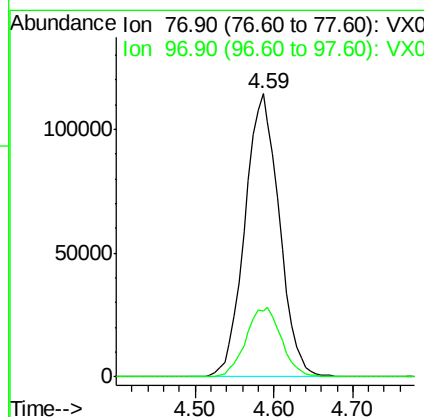
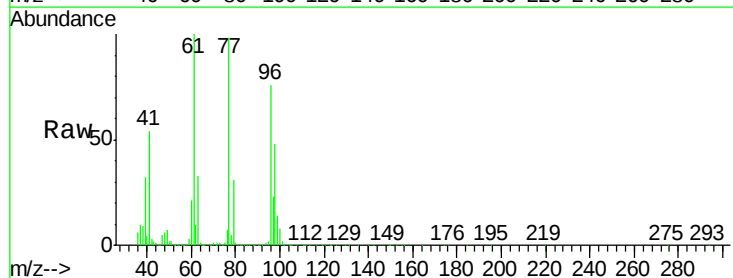
Acq: 08 Jan 2019 12:52

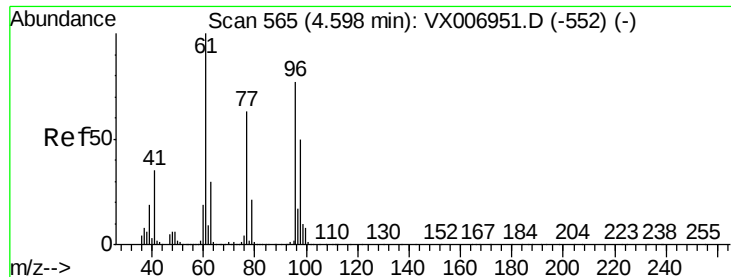
Tgt Ion: 77 Resp: 346628

Ion Ratio Lower Upper

77 100

97 25.4 12.4 37.4





#27

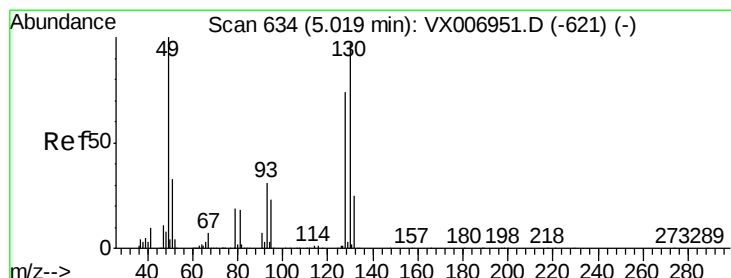
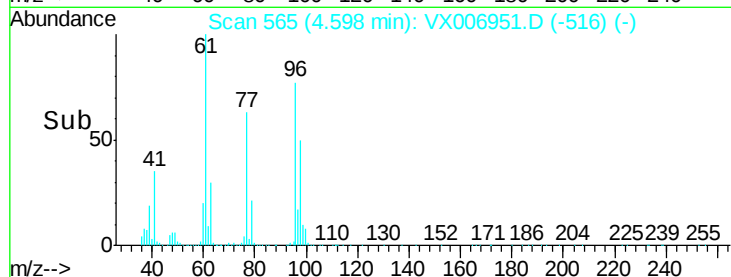
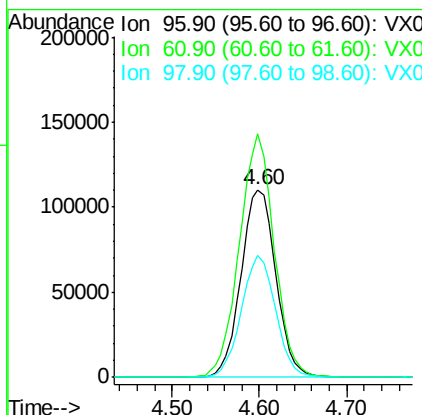
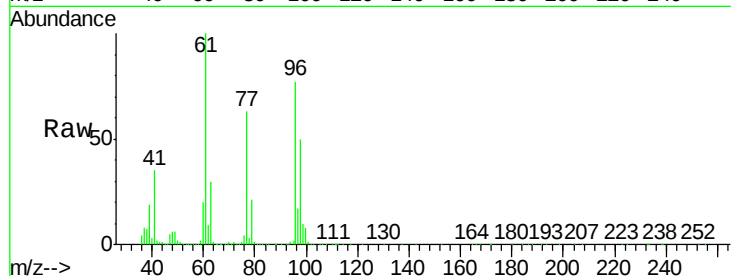
cis-1,2-Dichloroethene
Concen: 47.516 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	0.0	258.6
98	64.1	0.0	132.0

Manual Integrations
APPROVED

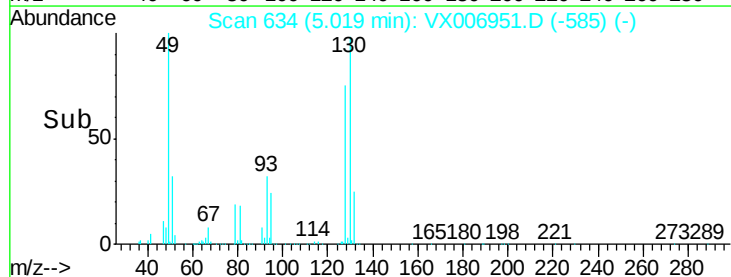
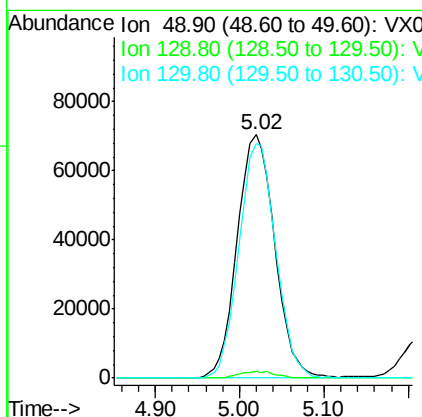
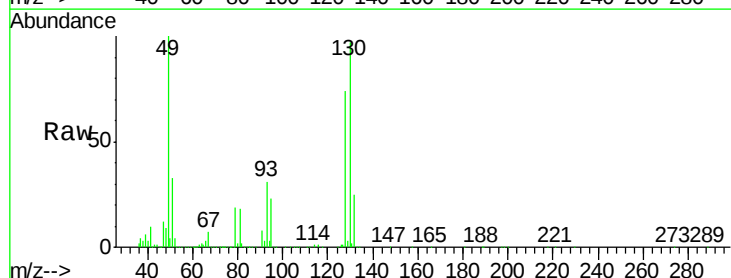
MMDadoda
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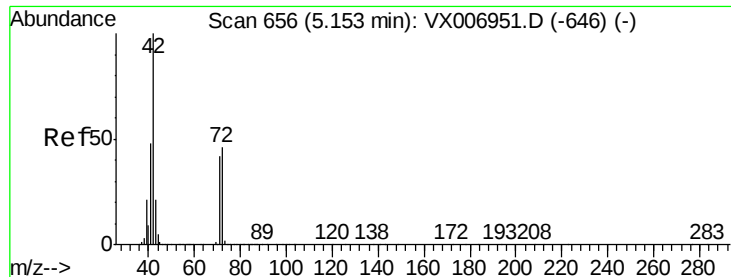


#28

Bromochloromethane
Concen: 47.831 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.4
130	94.7	77.7	116.5





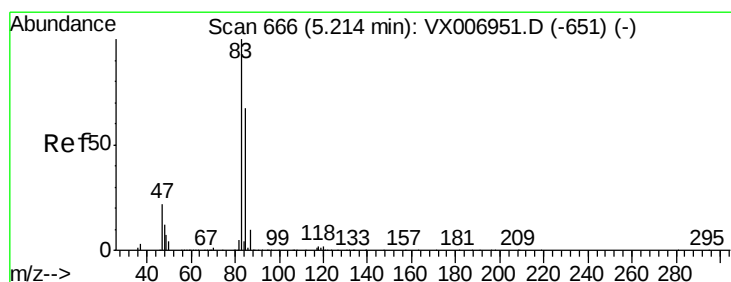
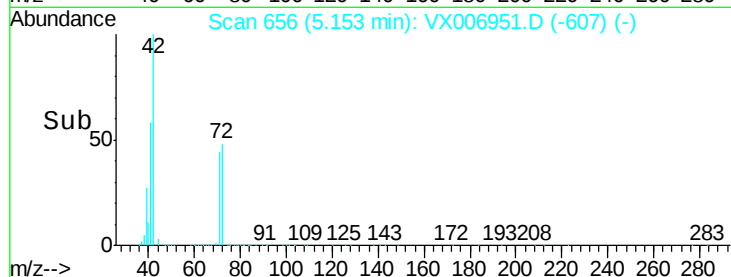
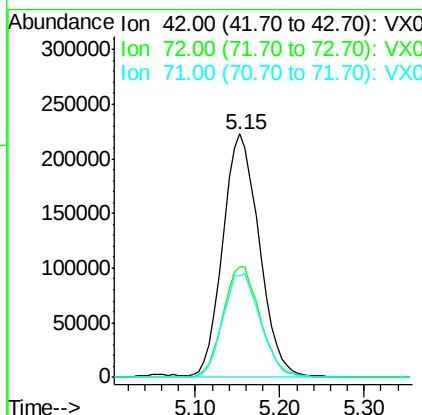
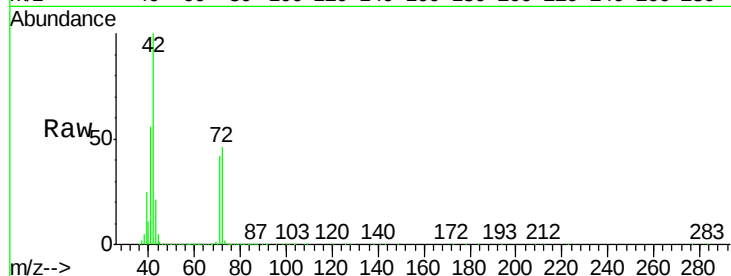
#29
Tetrahydrofuran
Concen: 242.099 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	38.9	58.3
71	43.9	36.2	54.4

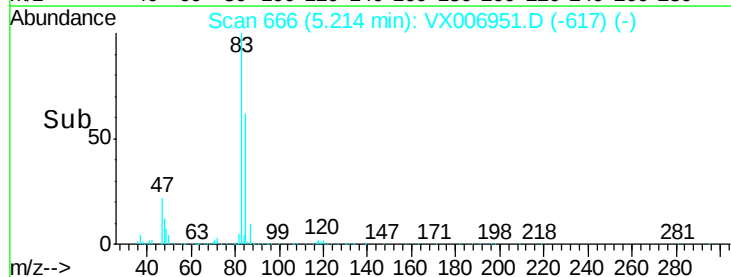
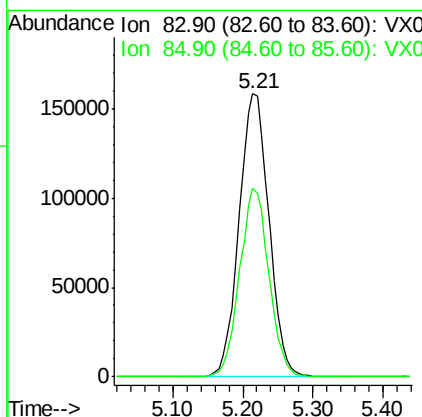
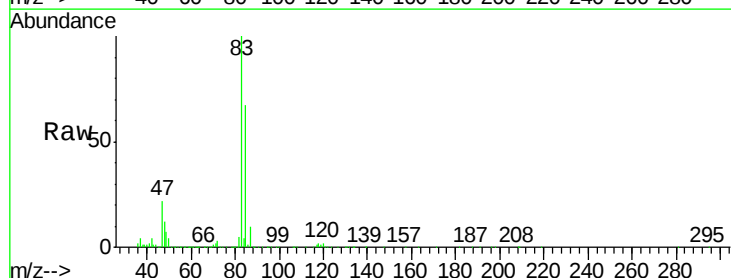
Manual Integrations
APPROVED

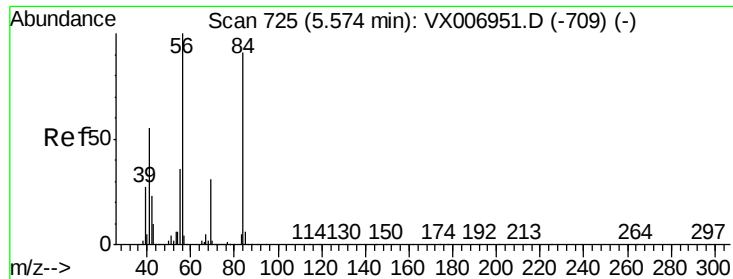
MMDadoda
1/9/2019 10:25:01 AM



#30
Chloroform
Concen: 46.697 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.2	76.8





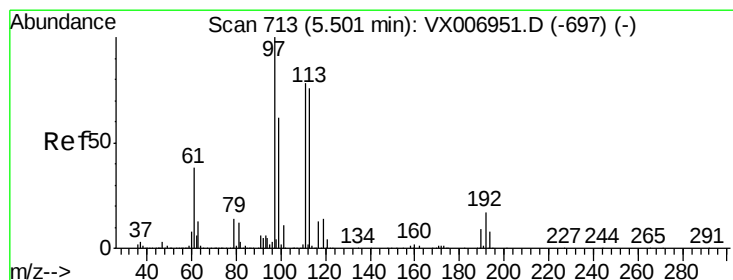
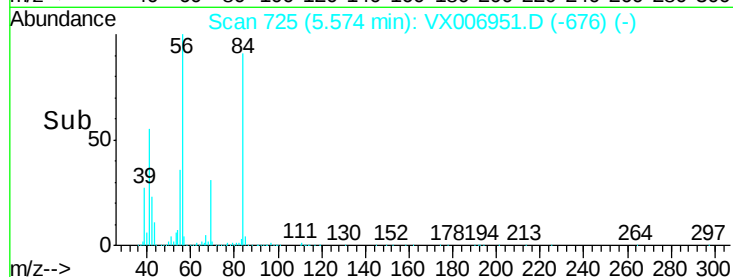
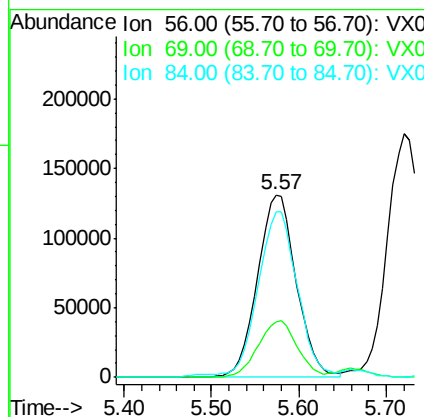
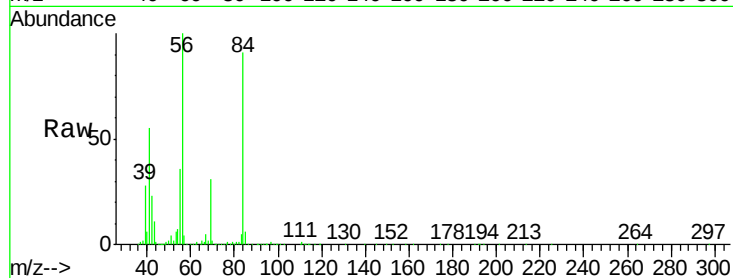
#31
Cyclohexane
Concen: 45.828 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	90.0	70.0	105.0

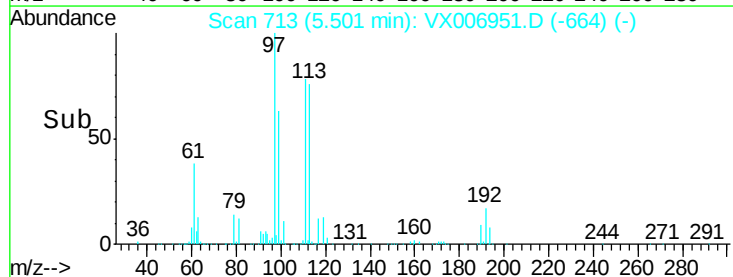
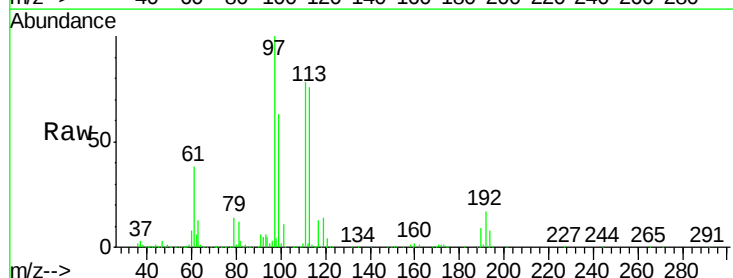
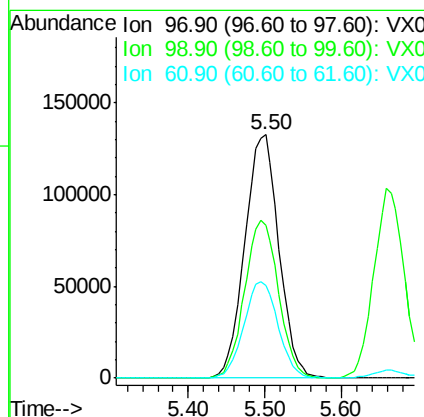
Manual Integrations
APPROVED

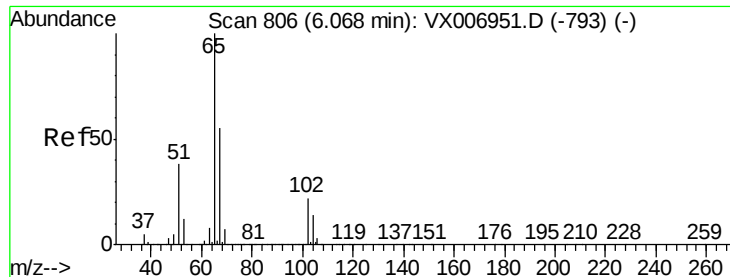
MMDadoda
1/9/2019 10:25:01 AM



#32
1,1,1-Trichloroethane
Concen: 48.451 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	40.1	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 48.819 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 65 Resp: 310766

Ion Ratio Lower Upper

65 100

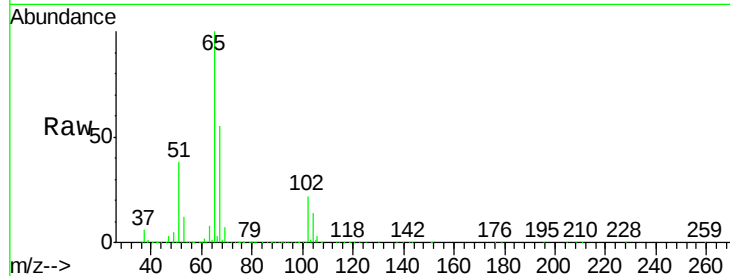
67 53.3 0.0 105.0

Manual Integrations

APPROVED

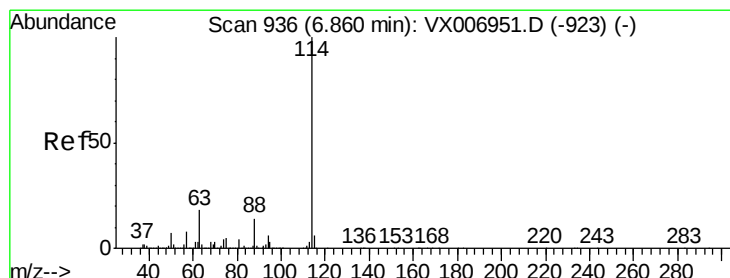
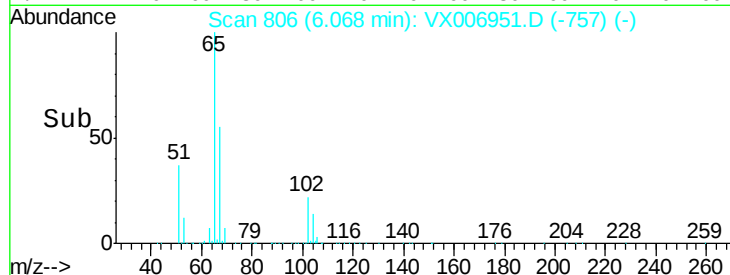
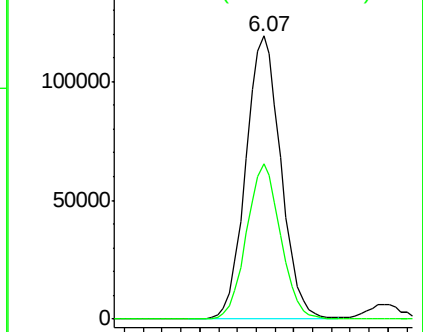
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

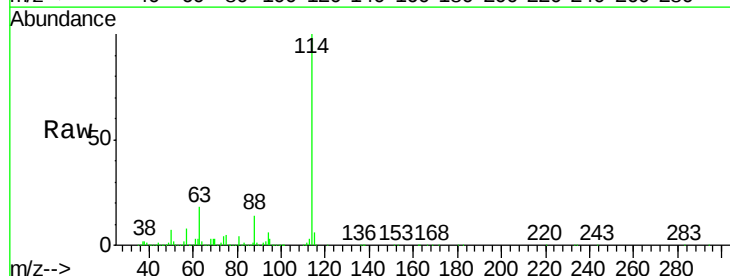
Tgt Ion: 114 Resp: 875470

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

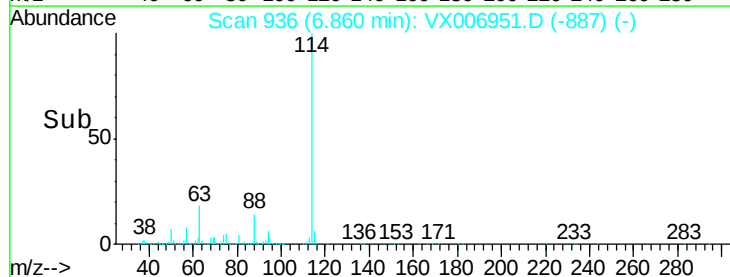
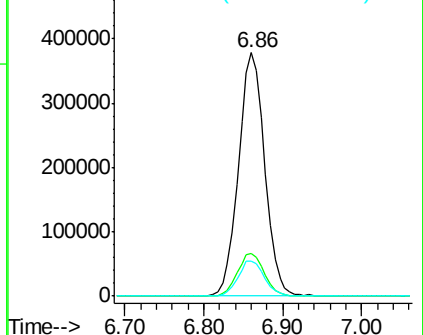
88 14.3 0.0 28.8

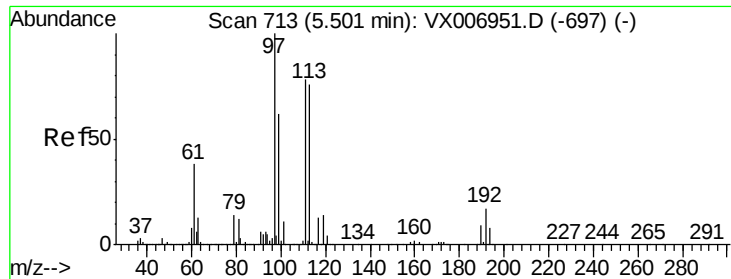


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





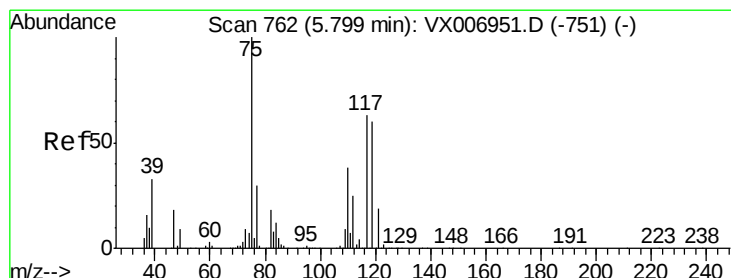
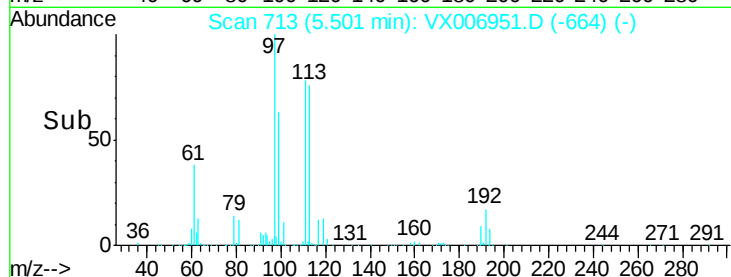
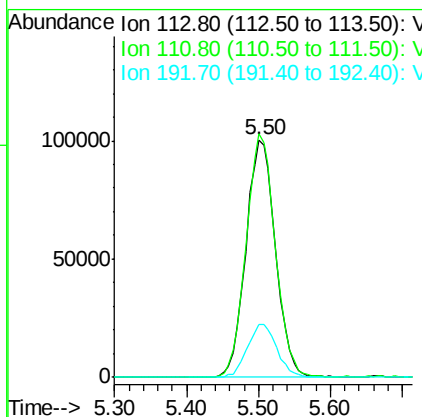
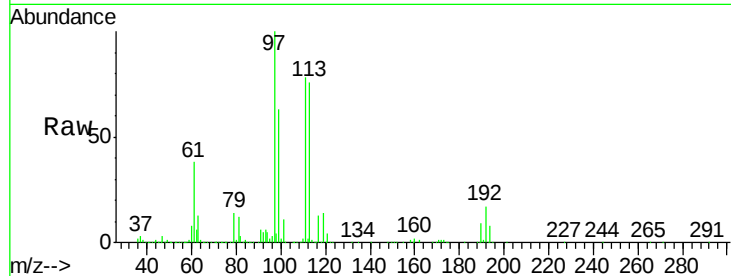
#35
Dibromofluoromethane
Concen: 51.671 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	286069		
111	101.3		81.6	122.4
192	22.3		16.7	25.1

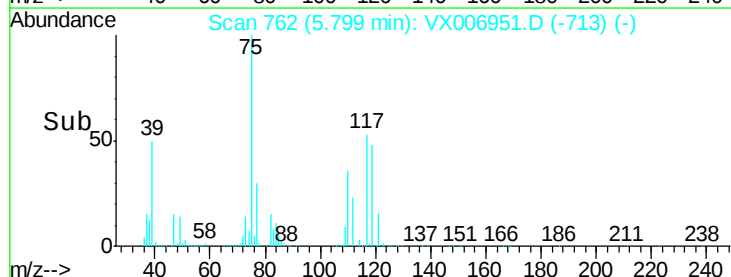
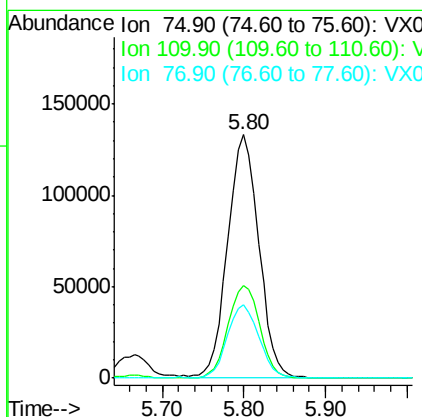
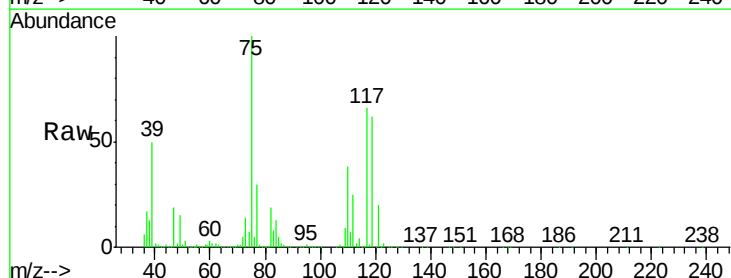
Manual Integrations
APPROVED

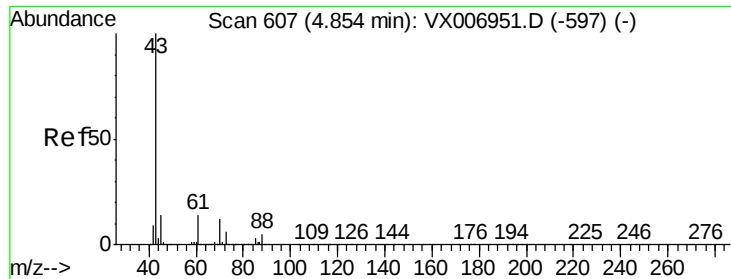
MMDadoda
1/9/2019 10:25:01 AM



#36
1,1-Dichloropropene
Concen: 48.317 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	350343		
110	38.9		20.2	60.5
77	30.6		24.8	37.2





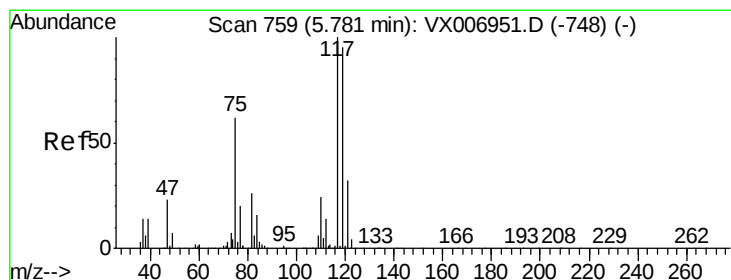
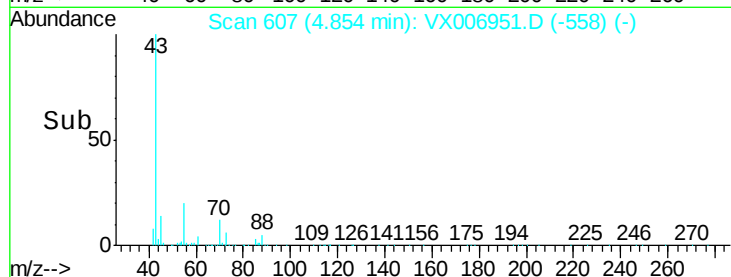
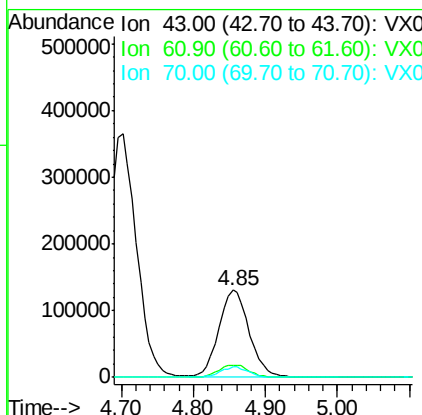
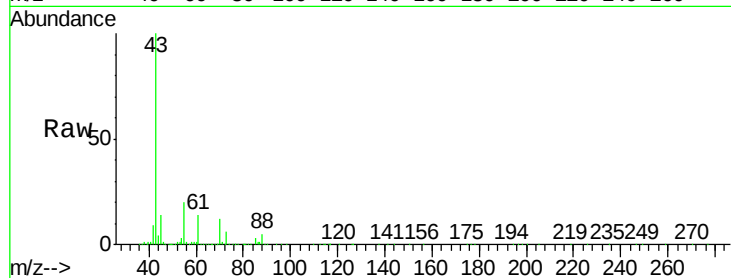
#37
Ethyl Acetate
Concen: 50.666 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	11.5	9.7	14.5

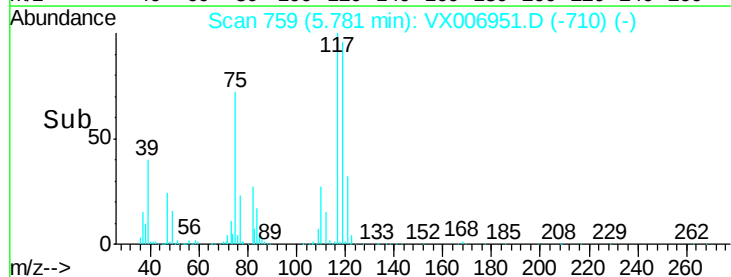
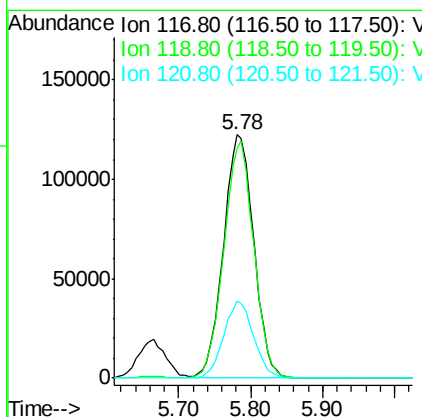
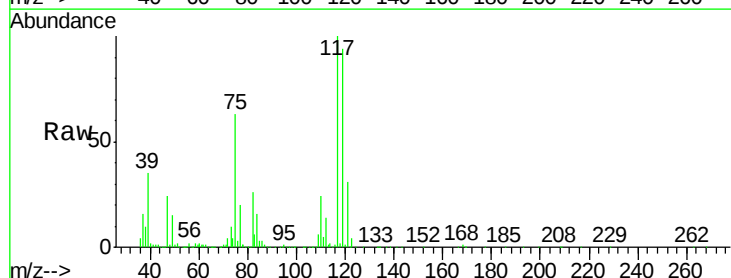
Manual Integrations
APPROVED

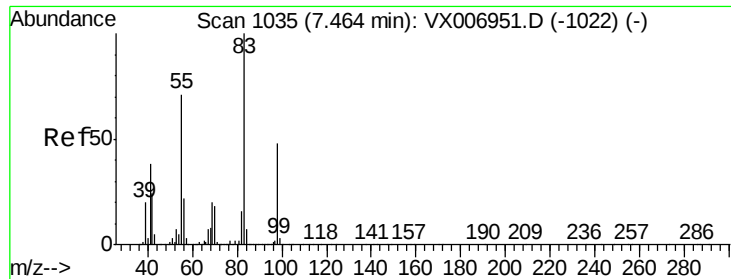
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1/9/2019 10:25:01 AM



#38
Carbon Tetrachloride
Concen: 50.755 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	79.4	119.2
121	31.4	24.0	36.0





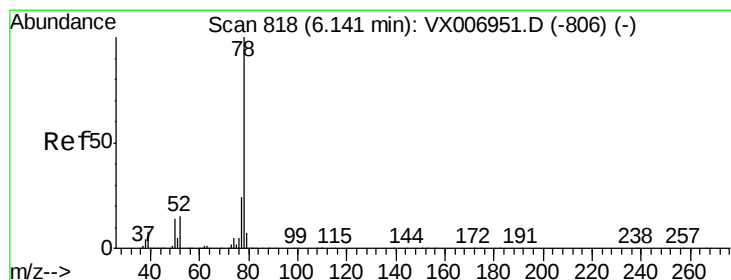
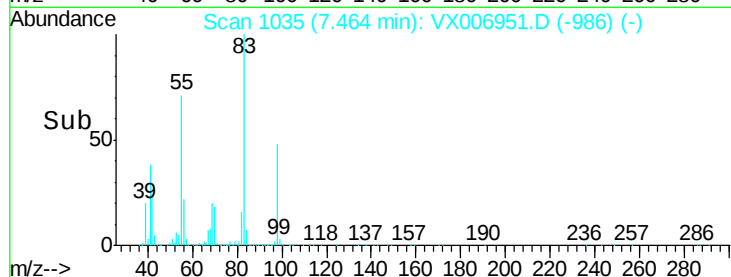
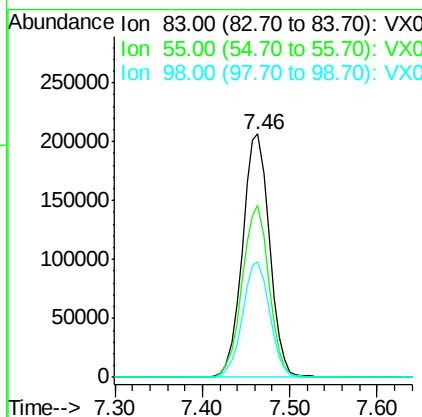
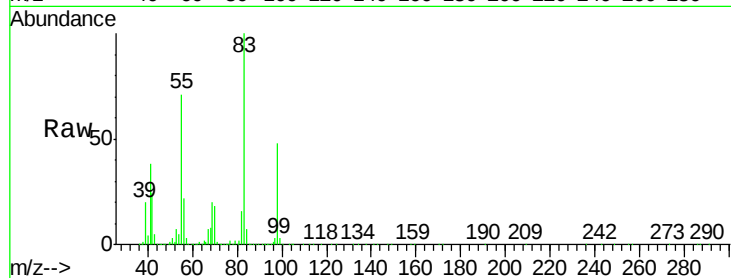
#39
Methvlcvclohexane
Concen: 46.335 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.9	54.9	82.3
98	47.7	37.9	56.9

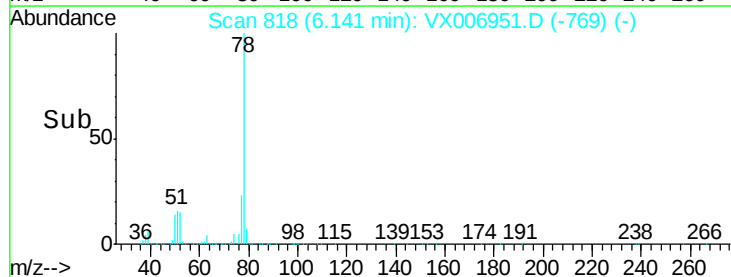
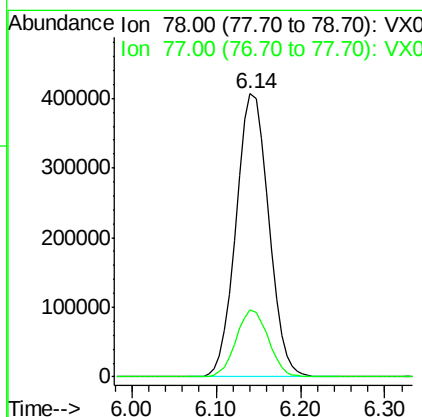
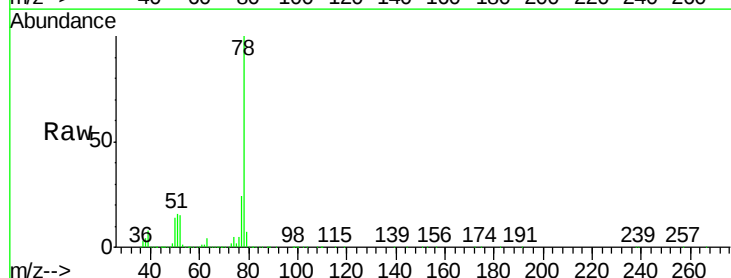
Manual Integrations
APPROVED

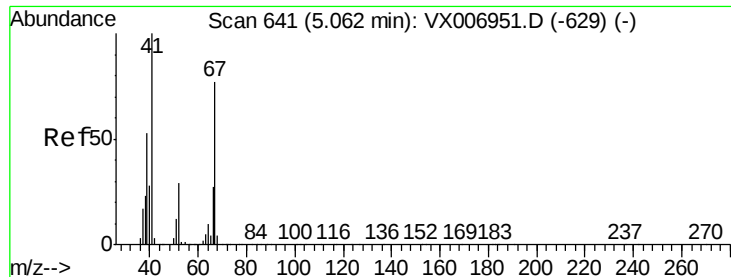
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#40
Benzene
Concen: 48.453 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





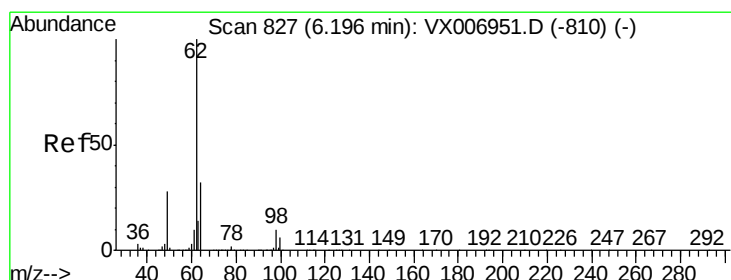
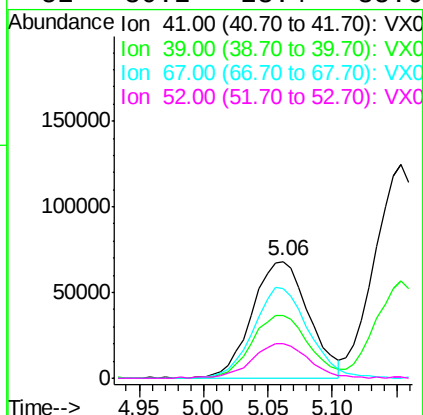
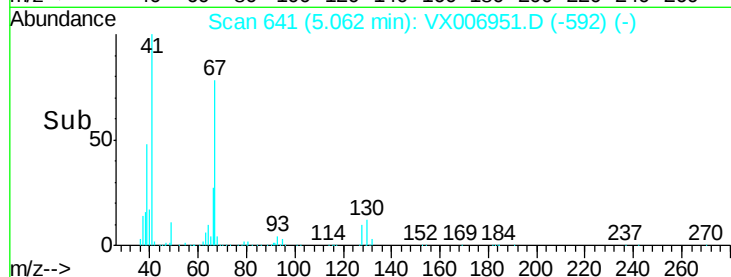
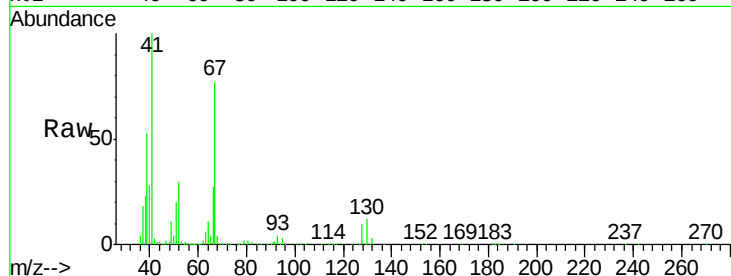
#41
Methacrylonitrile
Concen: 51.456 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.8	64.2
67	76.3	62.1	93.1
52	30.2	23.4	35.0

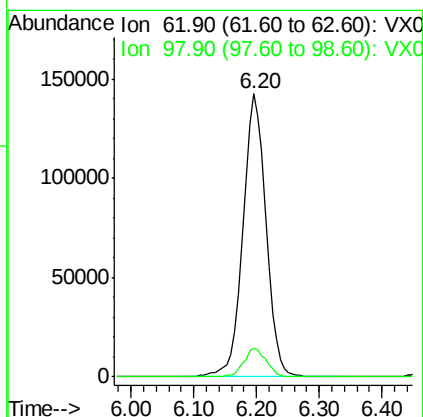
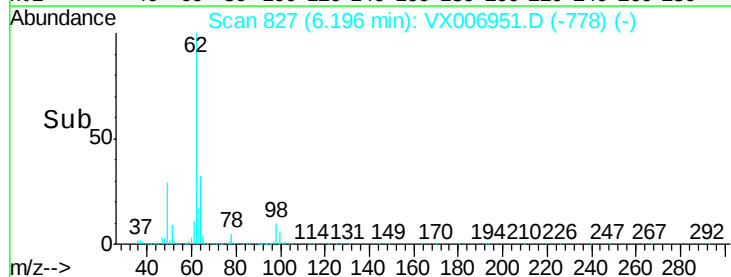
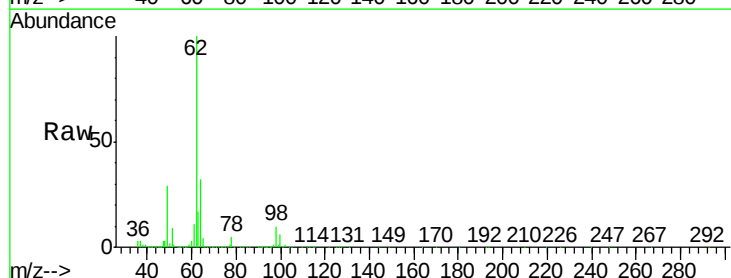
Manual Integrations
APPROVED

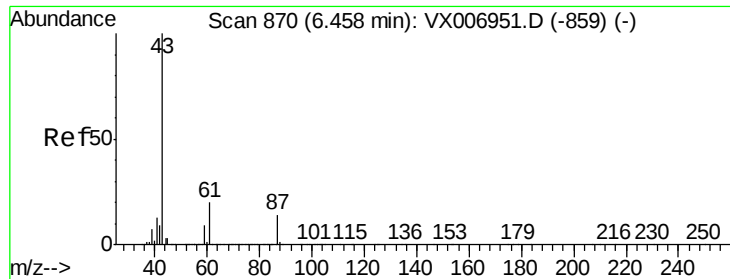
MMDadoda
1/9/2019 10:25:01 AM



#42
1,2-Dichloroethane
Concen: 48.284 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

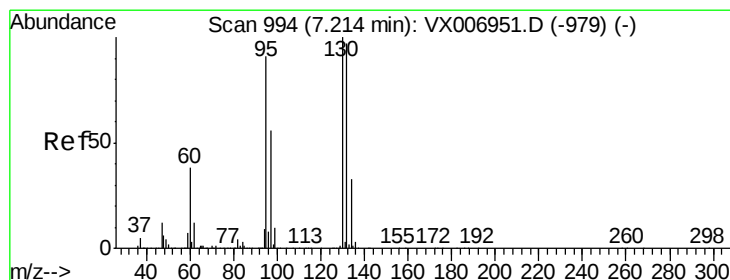
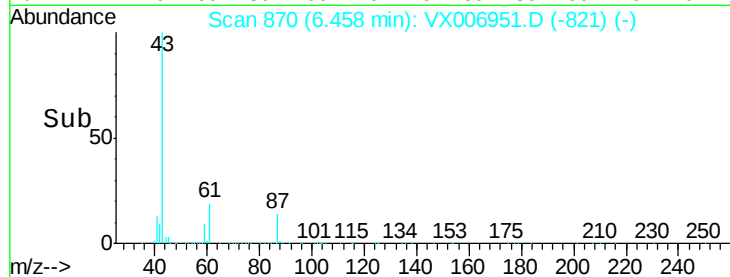
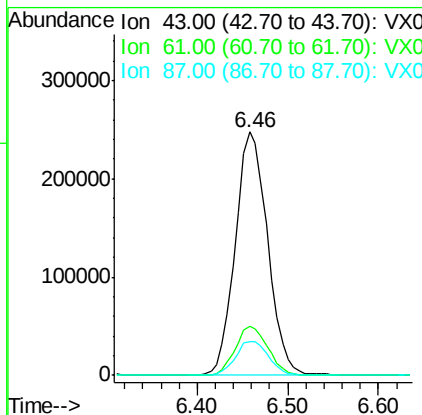
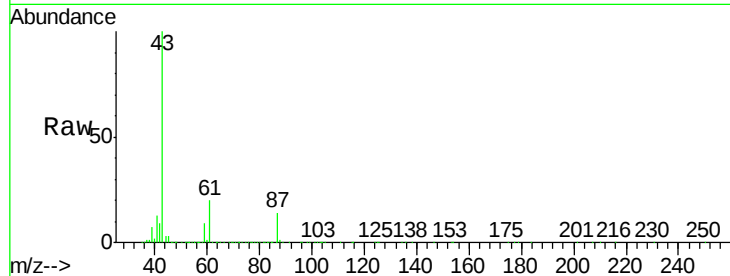
Isopropyl Acetate
 Concen: 53.151 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006951.D
 Acq: 08 Jan 2019 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.7	12.4	18.6

Manual Integrations
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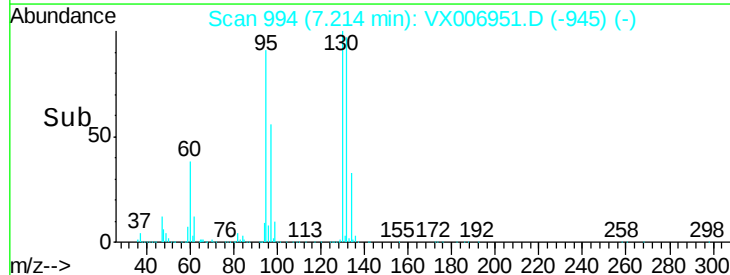
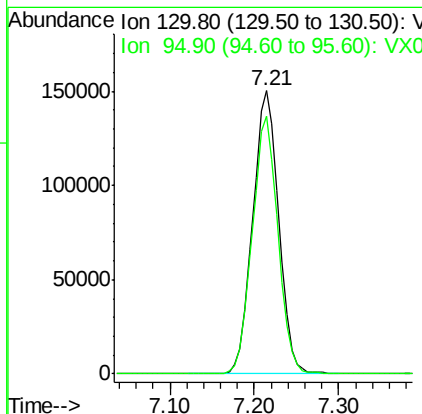
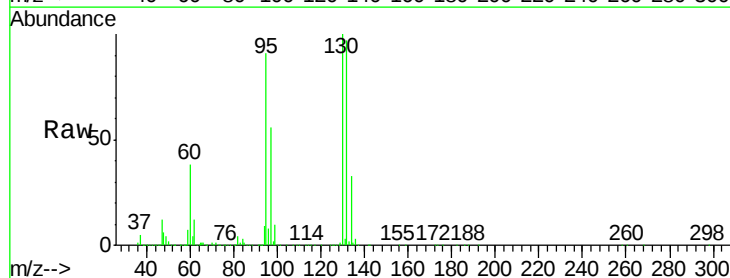
MMDadoda
 1/9/2019 10:25:01 AM

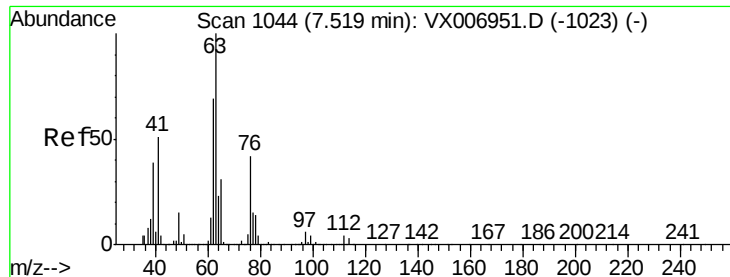


#44

Trichloroethene
 Concen: 47.170 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006951.D
 Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	187.0





#45

1,2-Dichloropropane

Concen: 50.478 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 63 Resp: 270739

Ion Ratio Lower Upper

63 100

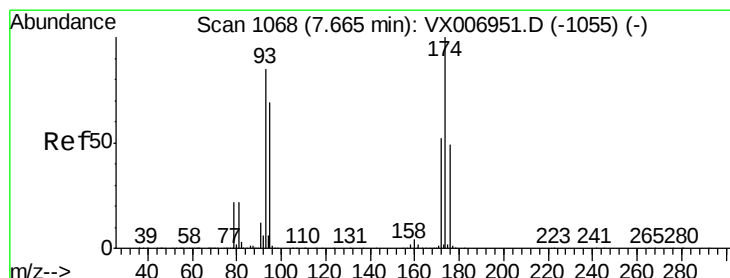
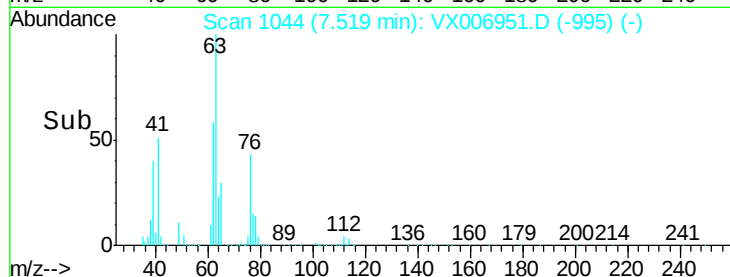
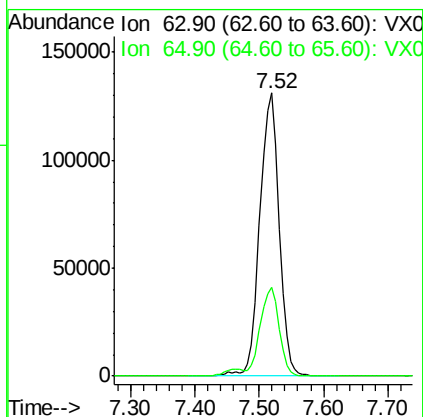
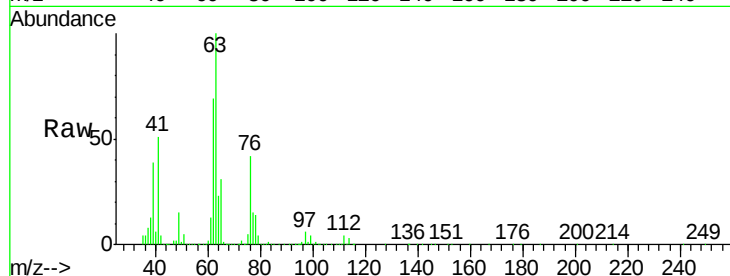
65 31.2 25.4 38.0

Manual Integrations

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1/9/2019 10:25:01 AM



#46

Dibromomethane

Concen: 48.218 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

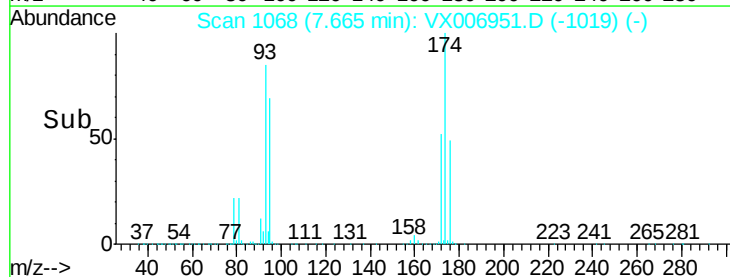
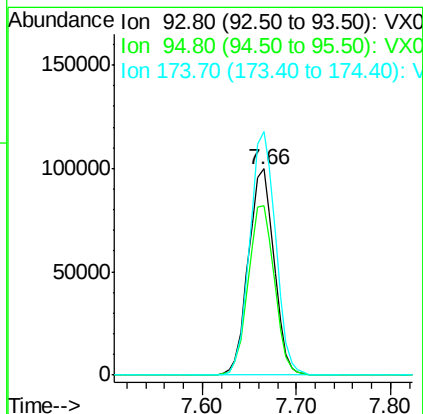
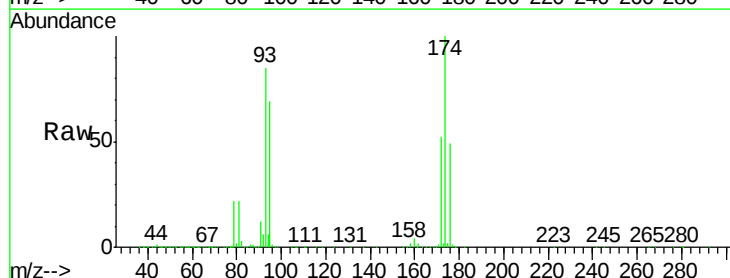
Tgt Ion: 93 Resp: 190226

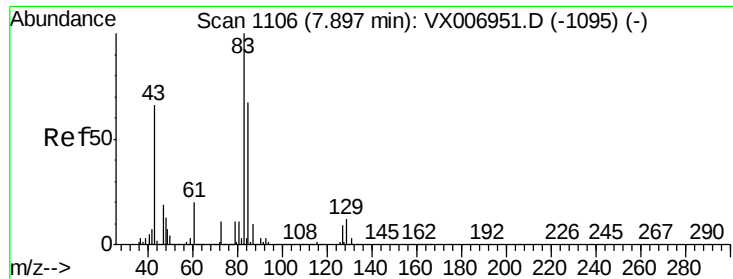
Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.4

174 118.5 91.0 136.4





#47

Bromodichloromethane

Concen: 51.012 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

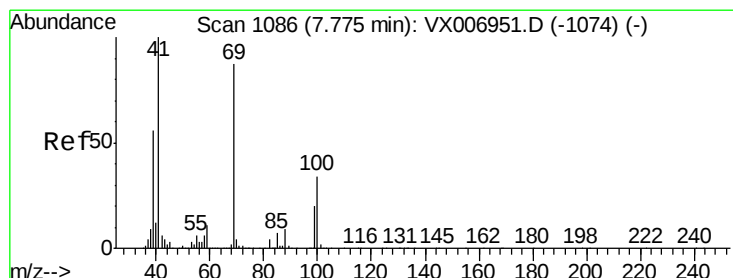
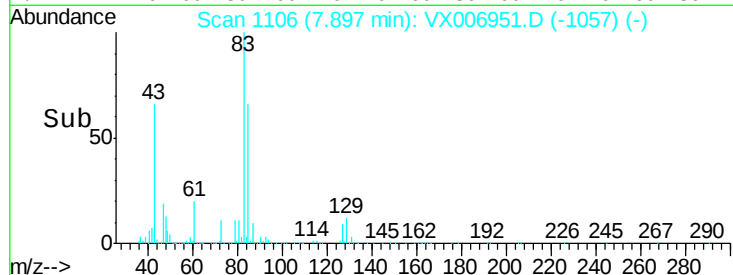
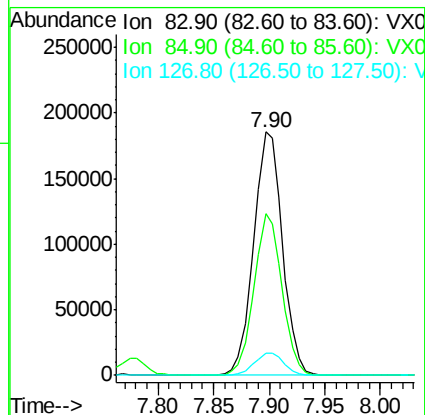
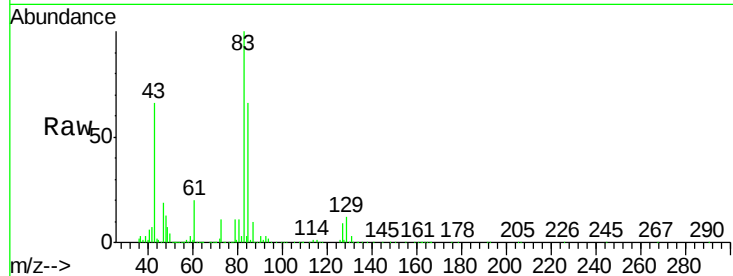
ClientSampleId :

VSTDICCC050

Tot Ion	83	Resp	334123
Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.2	79.8
127	9.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.779 ug/l

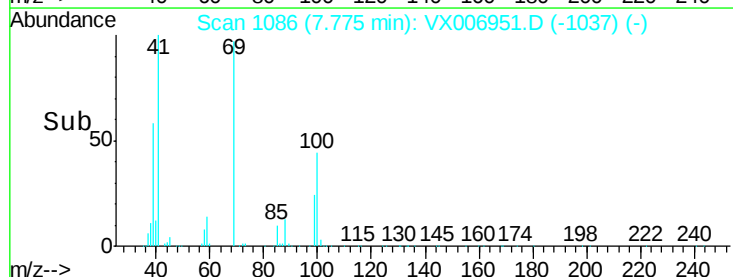
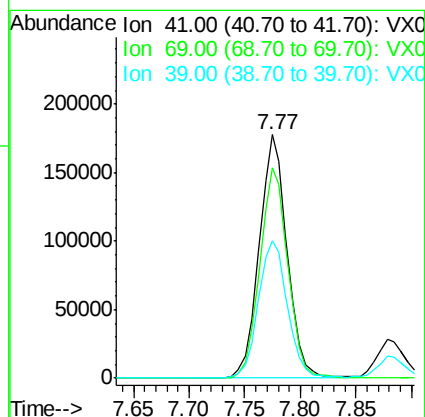
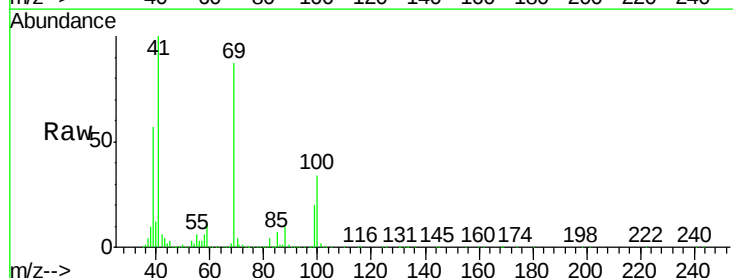
RT: 7.77 min Scan# 1086

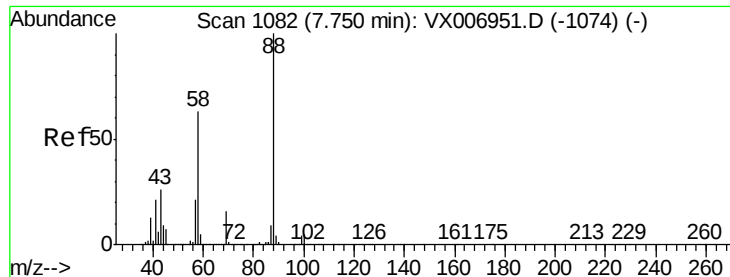
Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Tgt Ion	41	Resp	308199
Ion	Ratio	Lower	Upper
41	100		
69	87.5	72.4	108.6
39	59.0	45.8	68.8





#49

1,4-Dioxane

Concen: 862.391 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

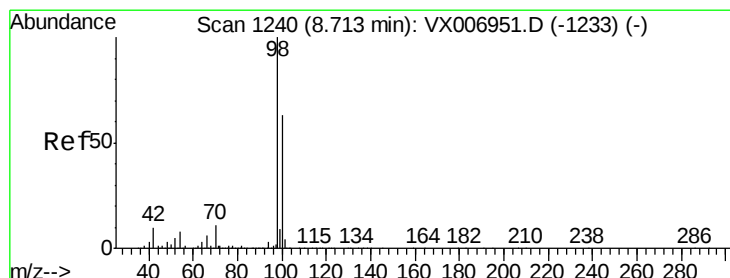
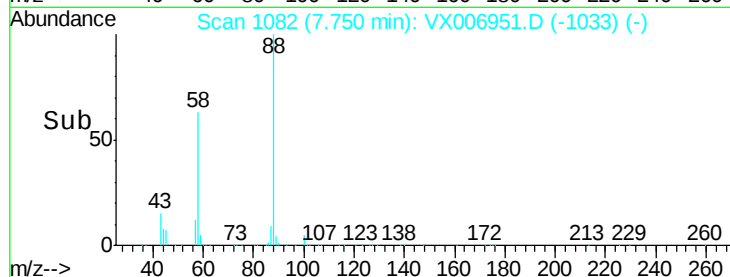
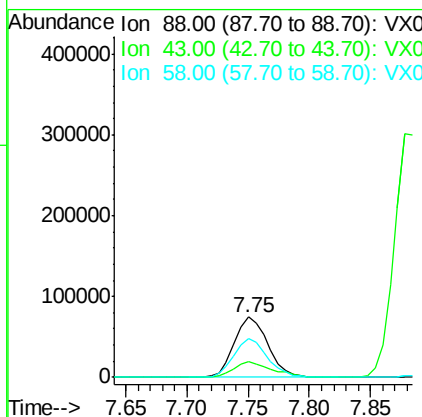
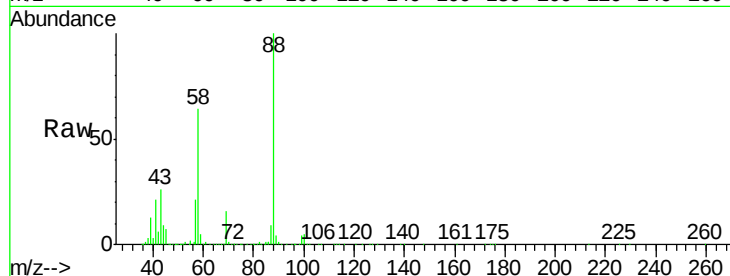
ClientSampleId :

VSTDICCC050

Tot Ion:	88	Resp:	142484
Ion	Ratio	Lower	Upper
88	100		
43	29.7	22.2	33.4
58	64.4	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.610 ug/l

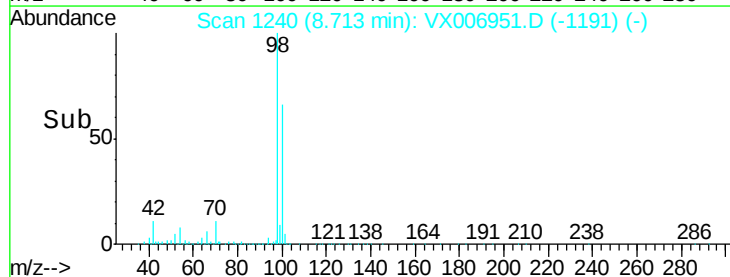
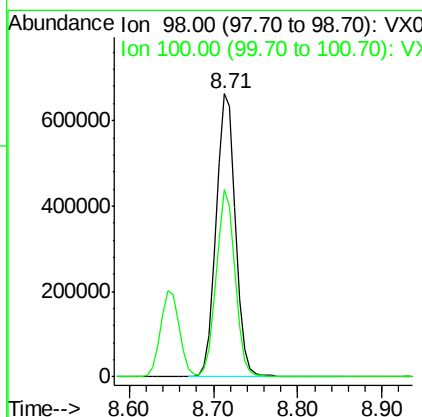
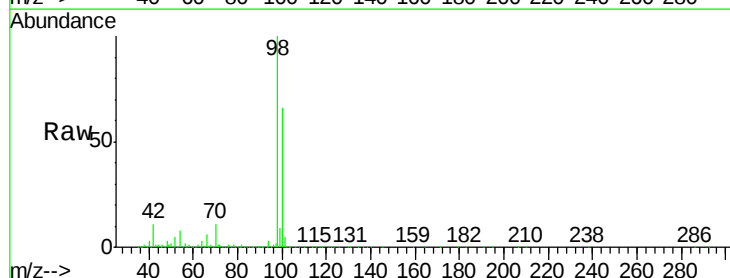
RT: 8.71 min Scan# 1240

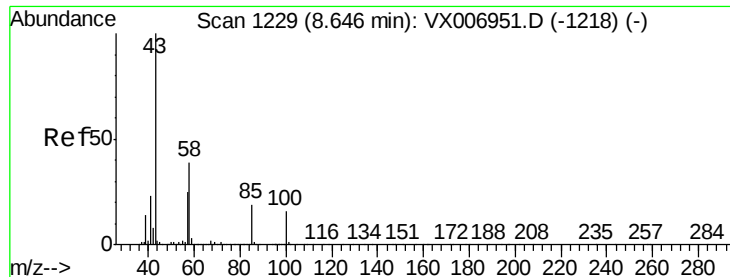
Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Tgt Ion:	98	Resp:	1056338
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 265.650 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1940899

Ion Ratio Lower Upper

43 100

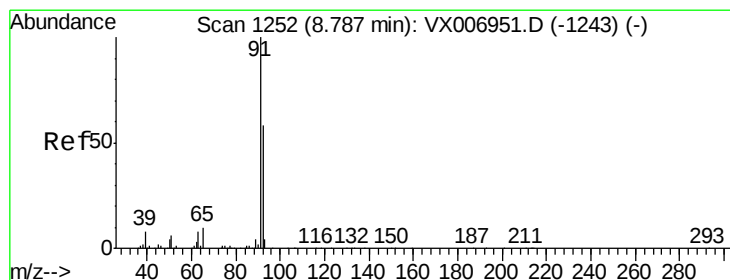
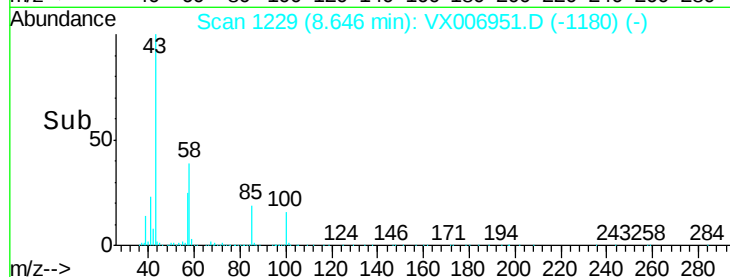
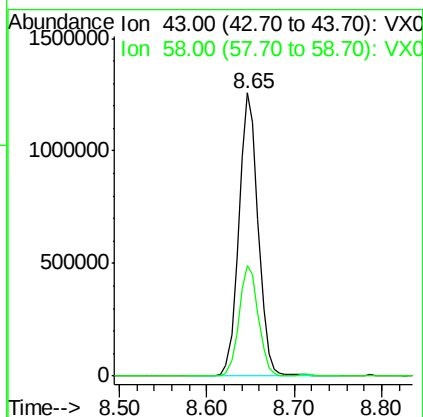
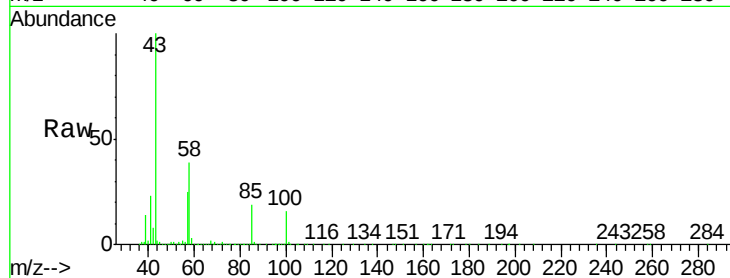
58 39.0 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 48.107 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006951.D

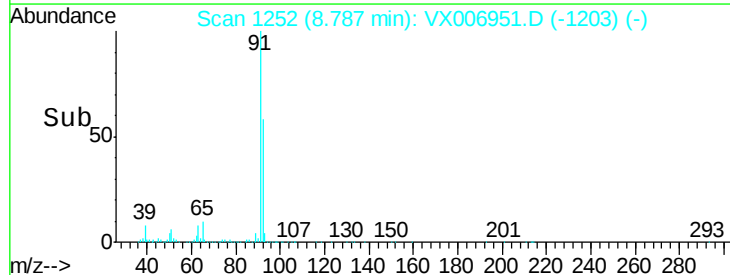
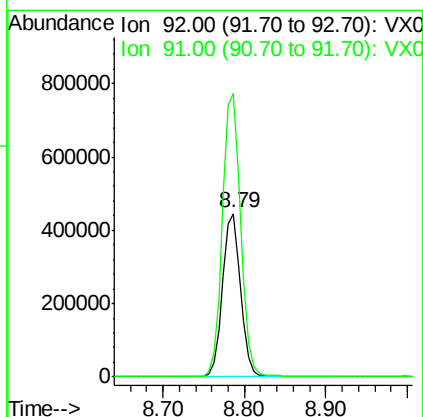
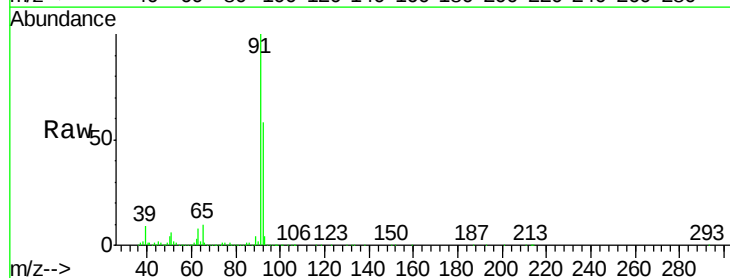
Acq: 08 Jan 2019 12:52

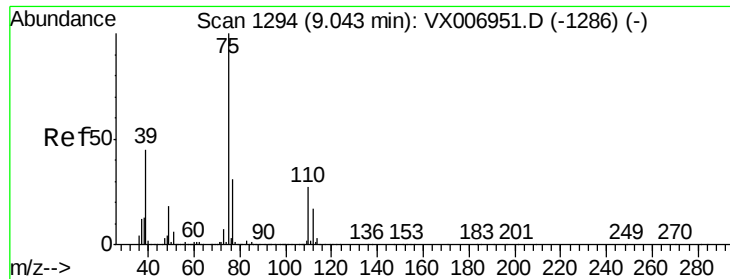
Tgt Ion: 92 Resp: 685002

Ion Ratio Lower Upper

92 100

91 175.4 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 54.297 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 381417

Ion Ratio Lower Upper

75 100

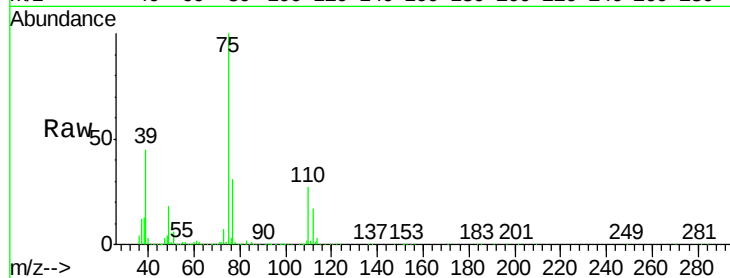
77 30.6 25.4 38.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

300000

250000

200000

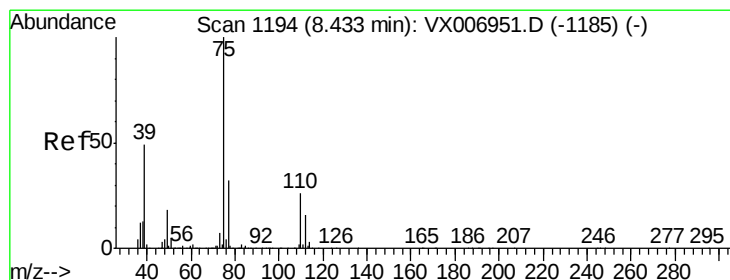
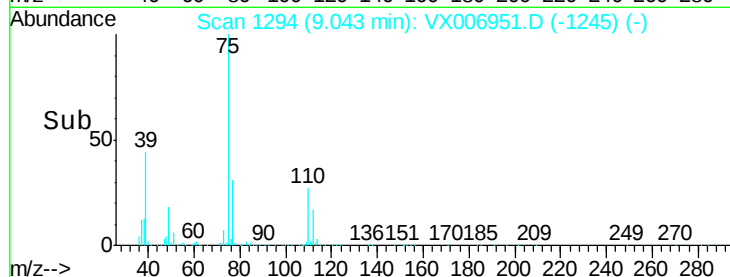
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.959 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

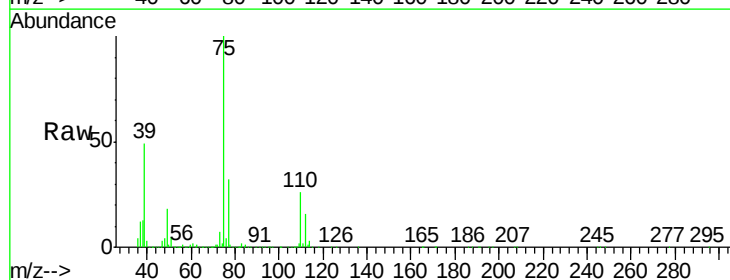
Tgt Ion: 75 Resp: 415902

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 48.9 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

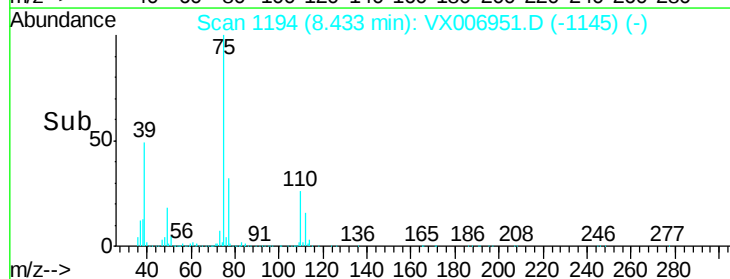
300000

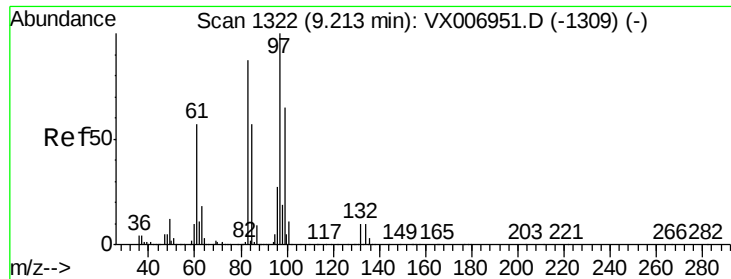
200000

100000

0

Time-->





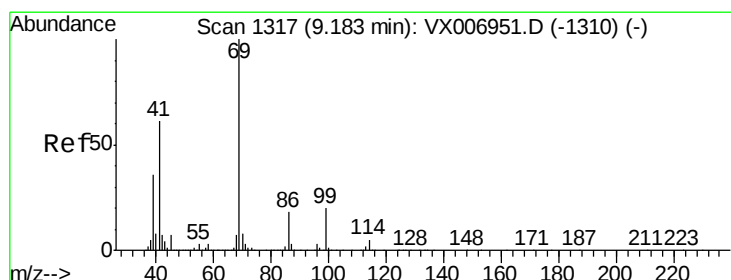
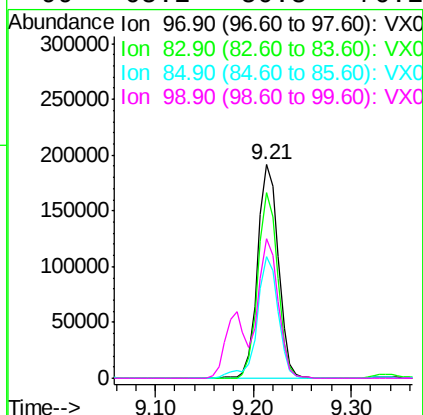
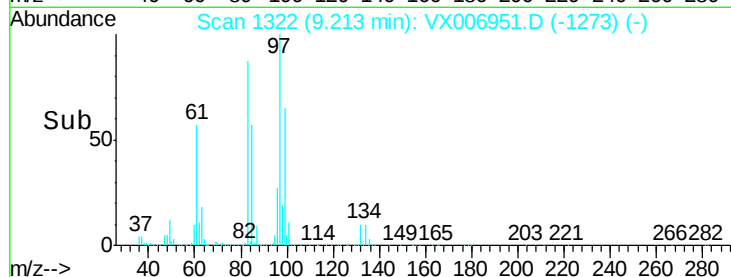
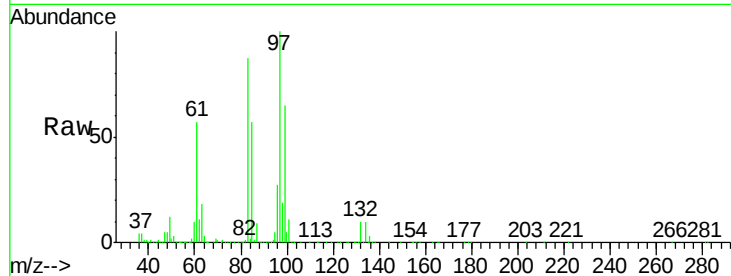
#55
 1,1,2-Trichloroethane
 Concen: 48.777 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006951.D
 Acq: 08 Jan 2019 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		284289		
83	87.0	66.6	99.8		
85	56.7	42.7	64.1		
99	65.2	50.8	76.2		

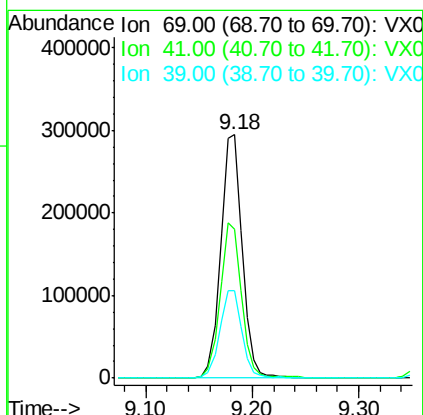
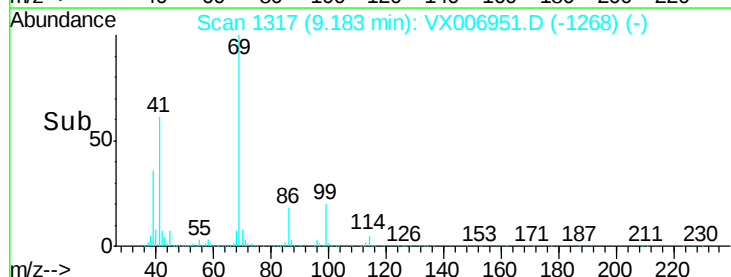
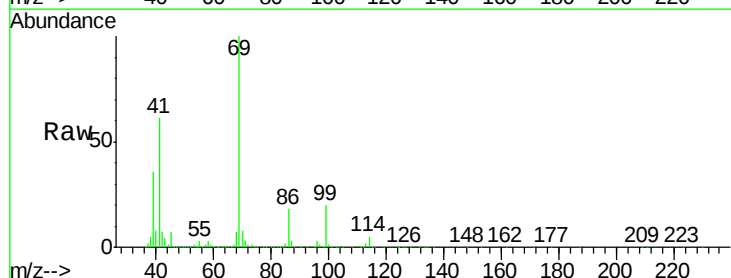
Manual Integrations
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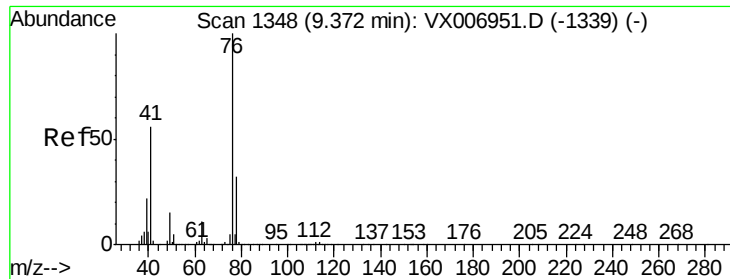
MMDadoda
 1/9/2019 10:25:01 AM



#56
 Ethyl methacrylate
 Concen: 50.455 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX006951.D
 Acq: 08 Jan 2019 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		415625		
41	63.1	48.7	73.1		
39	36.7	27.0	40.6		





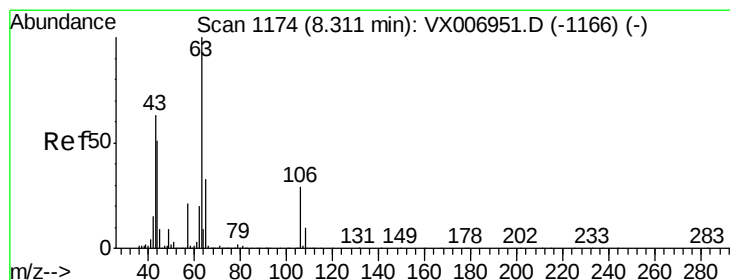
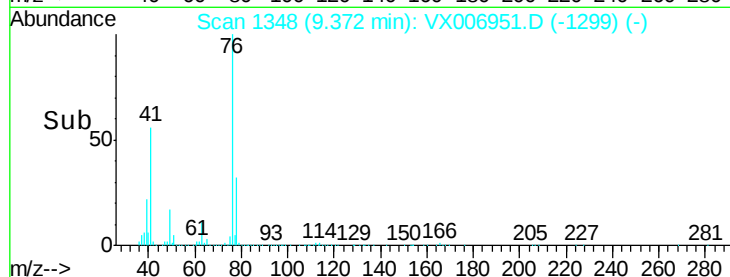
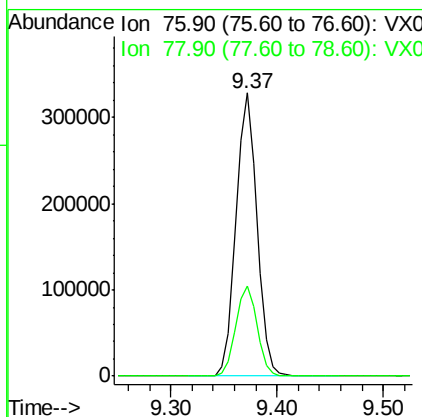
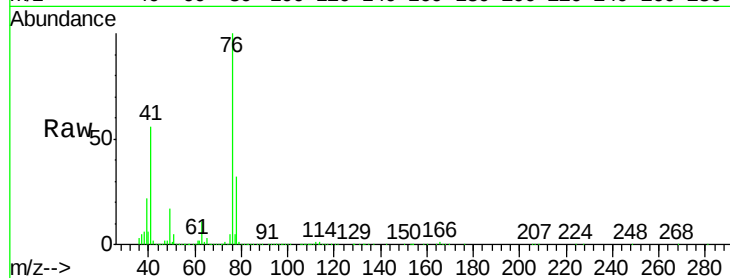
#57
 1,3-Dichloropropane
 Concen: 48.732 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006951.D
 Acq: 08 Jan 2019 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

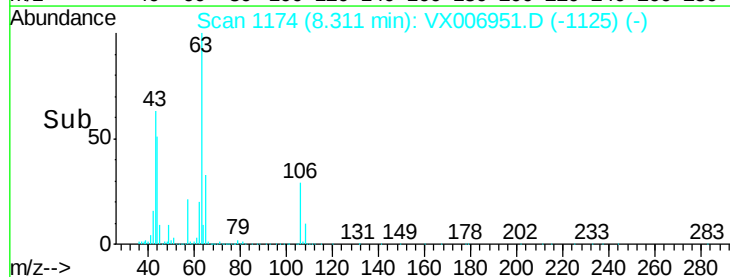
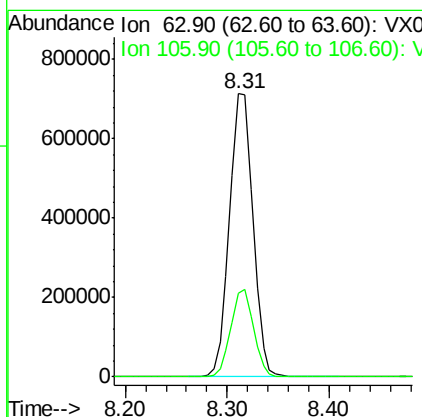
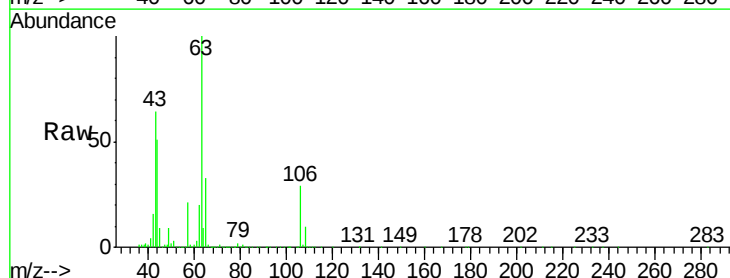
Manual Integrations
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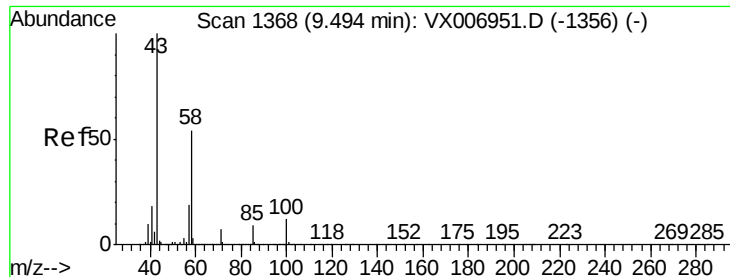
MMDadoda
 1/9/2019 10:25:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.873 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006951.D
 Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.6	36.8





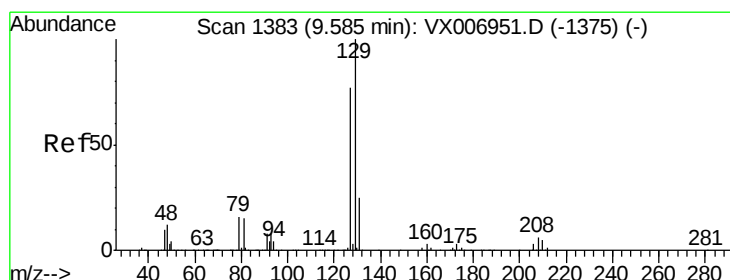
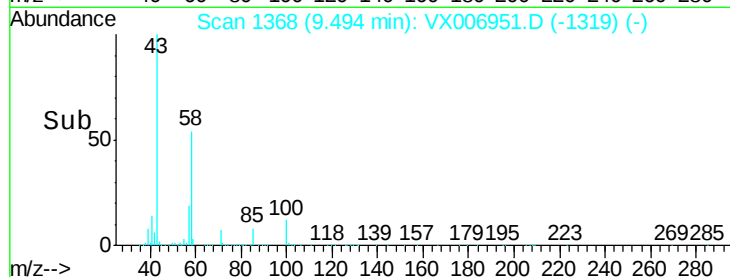
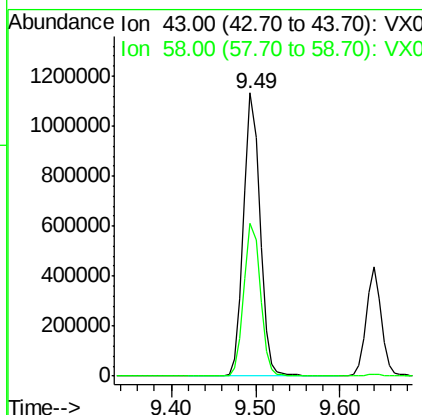
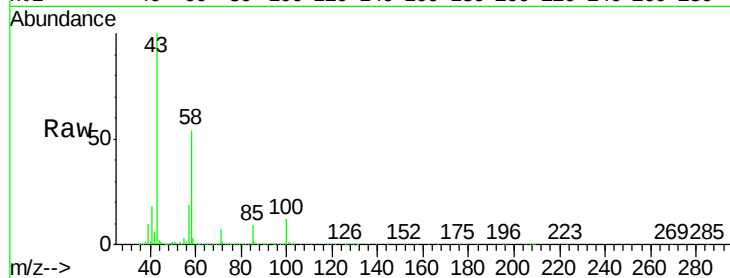
#59
2-Hexanone
Concen: 263.002 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1470218
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1

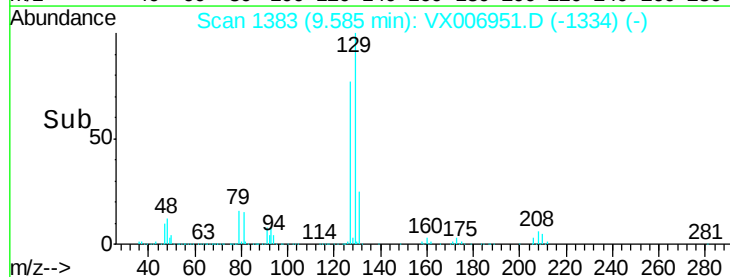
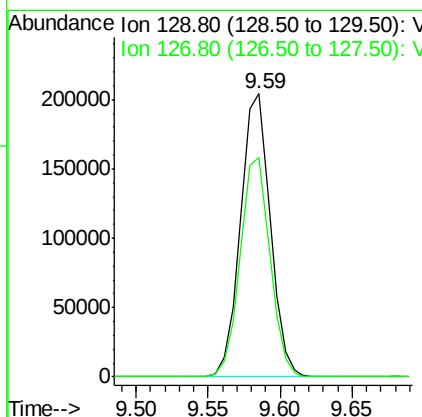
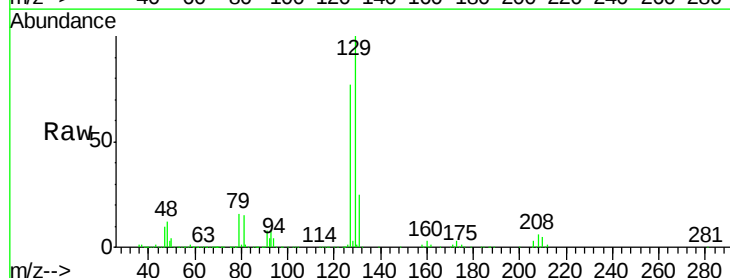
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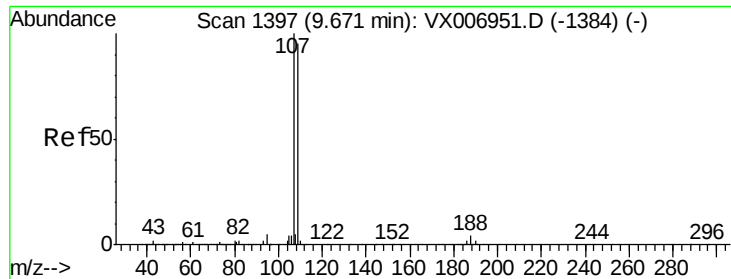
MMDadoda
1/9/2019 10:25:01 AM



#60
Dibromochloromethane
Concen: 54.572 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion: 129 Resp: 292962
Ion Ratio Lower Upper
129 100
127 77.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 50.178 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 310885

Ion Ratio Lower Upper

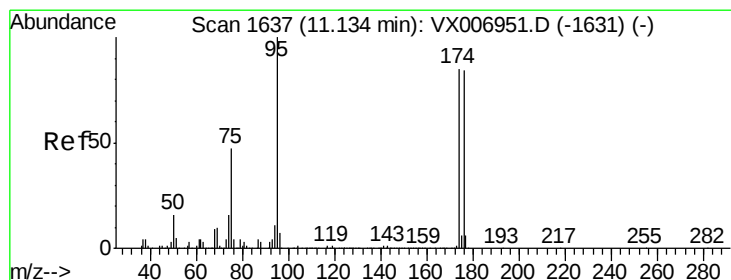
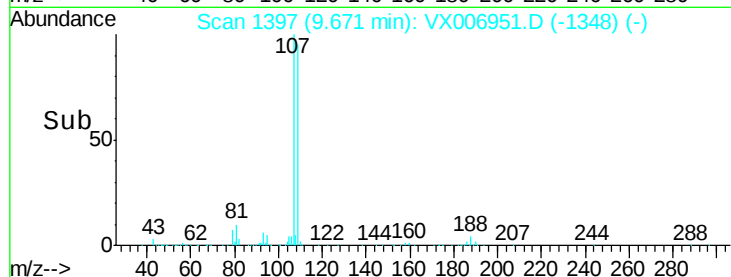
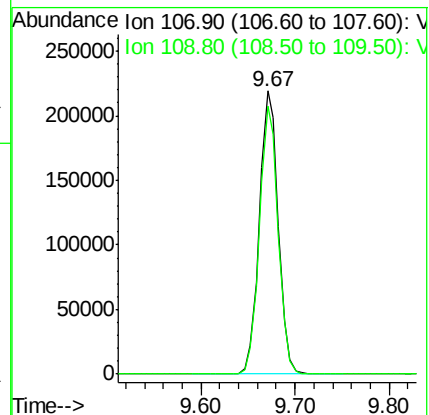
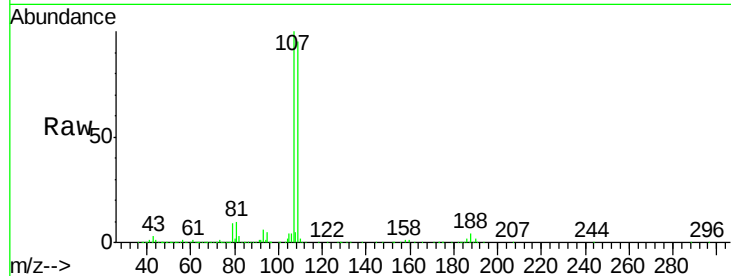
107 100

109 93.7 75.8 113.6

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 48.060 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

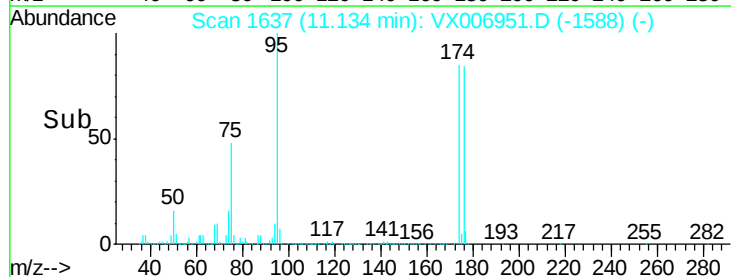
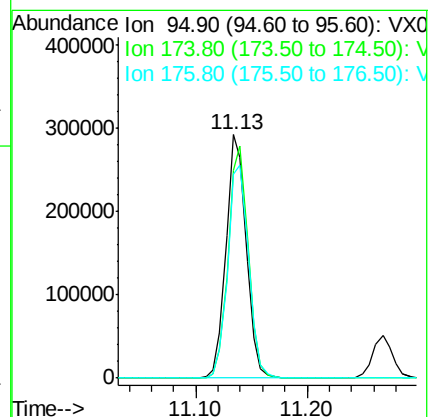
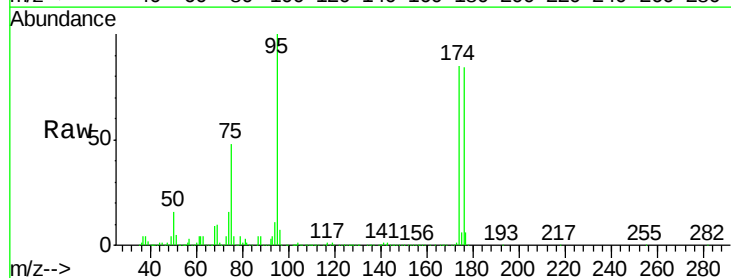
Tgt Ion: 95 Resp: 367378

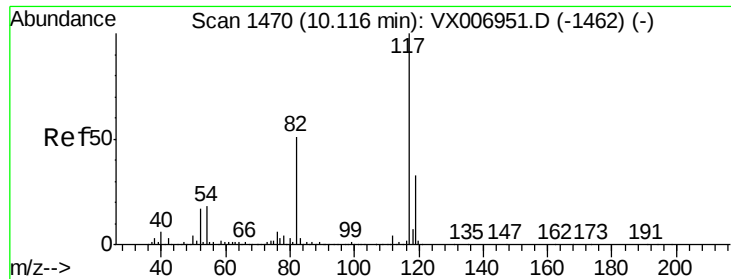
Ion Ratio Lower Upper

95 100

174 94.6 0.0 182.2

176 90.7 0.0 178.8





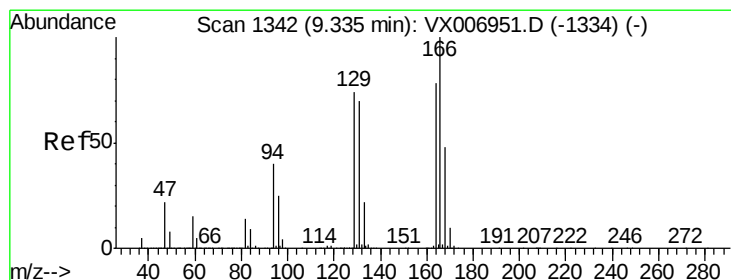
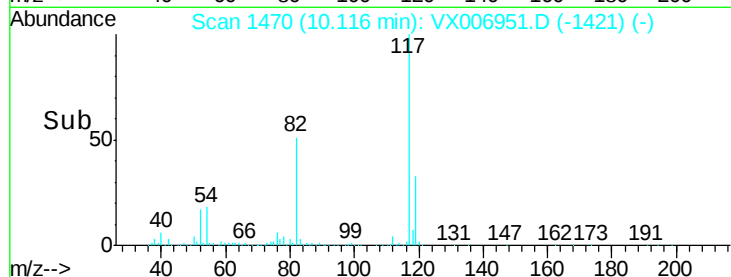
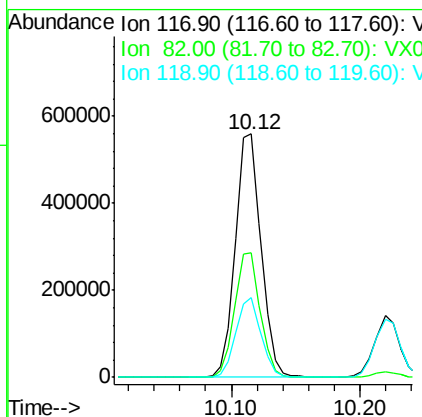
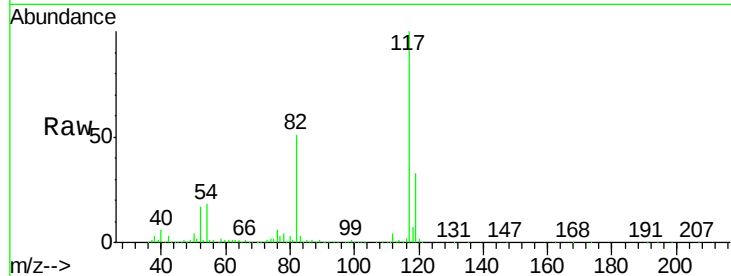
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	51.1	41.0	61.6
119	32.9	25.4	38.0

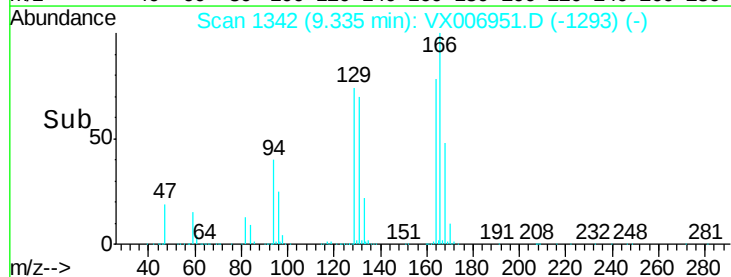
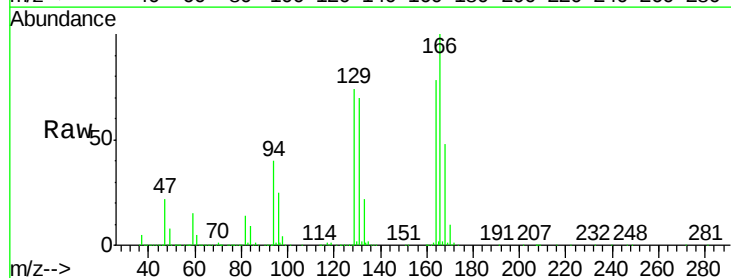
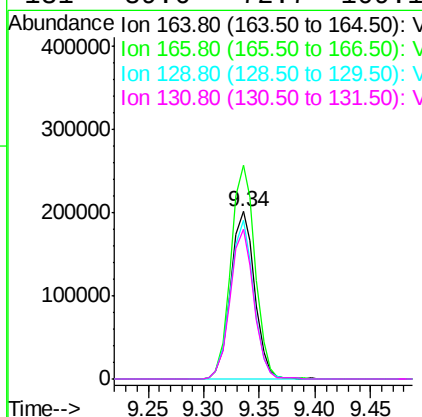
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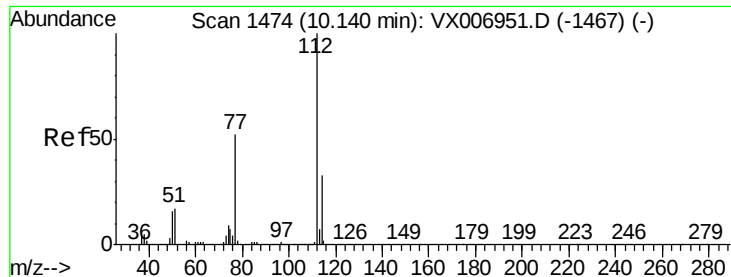
MMDadoda
1/9/2019 10:25:01 AM



#64
Tetrachloroethene
Concen: 48.603 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	127.8	102.5	153.7
129	94.7	75.1	112.7
131	89.6	72.7	109.1





#65

Chlorobenzene

Concen: 47.194 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 780785

Ion Ratio Lower Upper

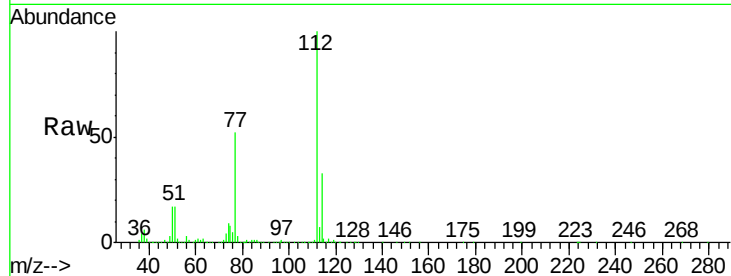
112 100

114 33.1 25.7 38.5

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

600000

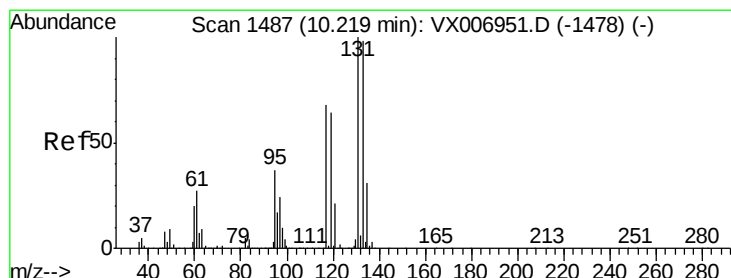
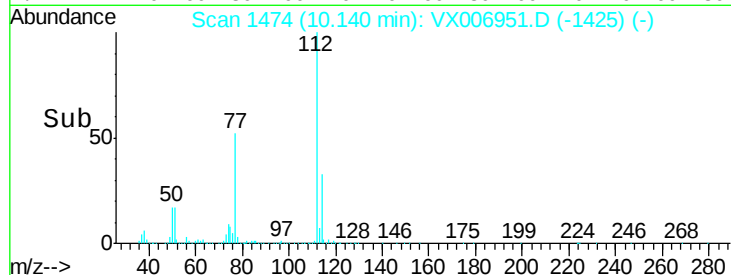
400000

200000

0

10.10 10.14 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.563 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

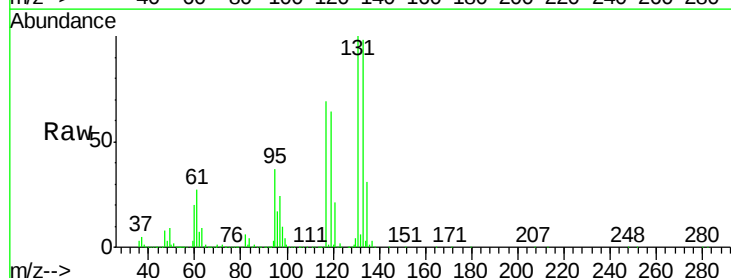
Tgt Ion:131 Resp: 281642

Ion Ratio Lower Upper

131 100

133 96.3 48.0 144.2

119 64.8 32.6 97.8



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

250000

200000

150000

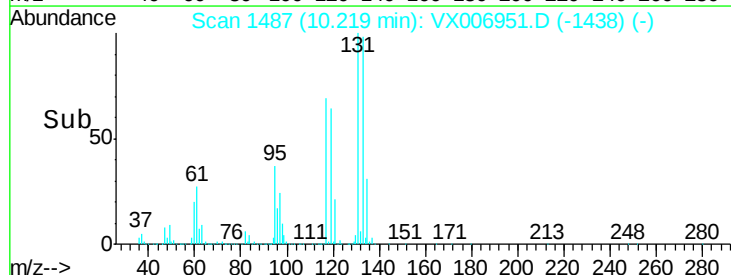
100000

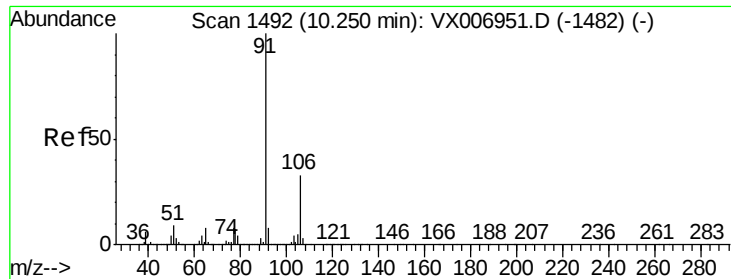
50000

0

10.20 10.22 10.30

Time-->





#67

Ethyl Benzene

Concen: 47.856 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1293746

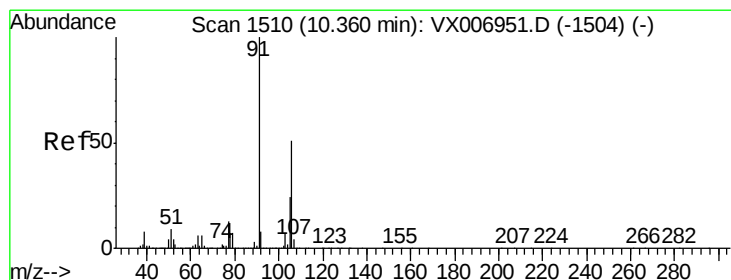
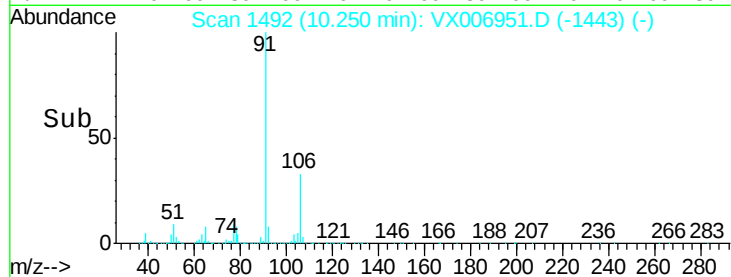
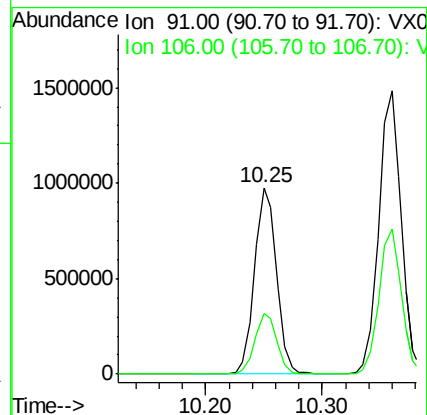
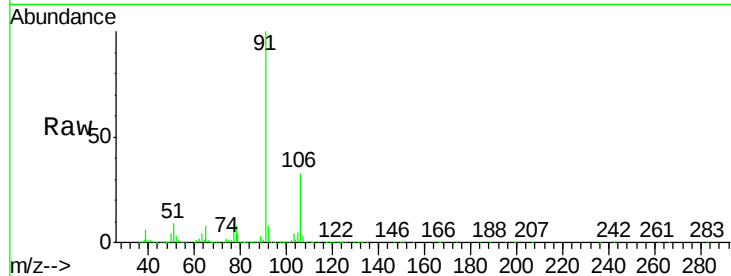
Ion Ratio Lower Upper

91 100

106 32.9 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 95.829 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006951.D

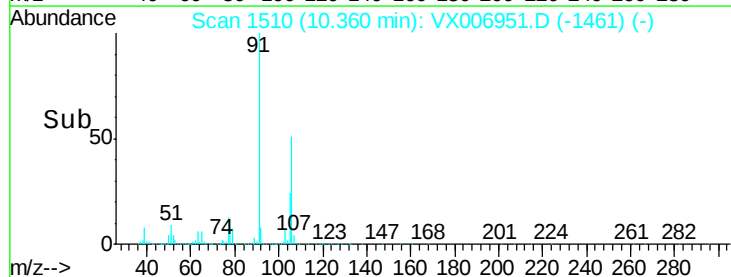
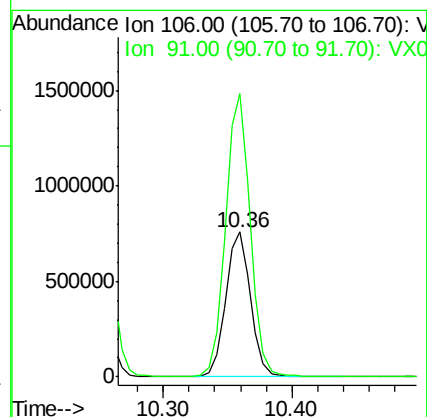
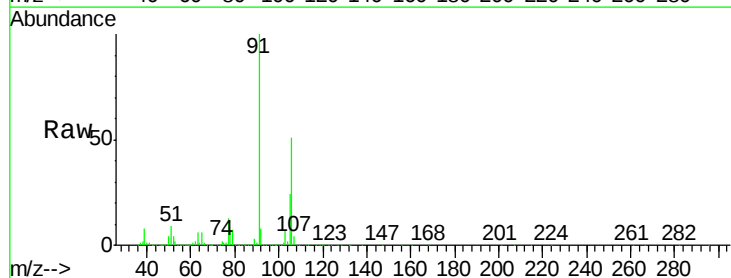
Acq: 08 Jan 2019 12:52

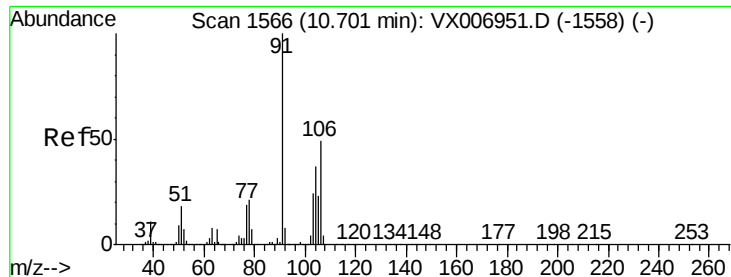
Tgt Ion: 106 Resp: 1022275

Ion Ratio Lower Upper

106 100

91 195.9 155.8 233.6





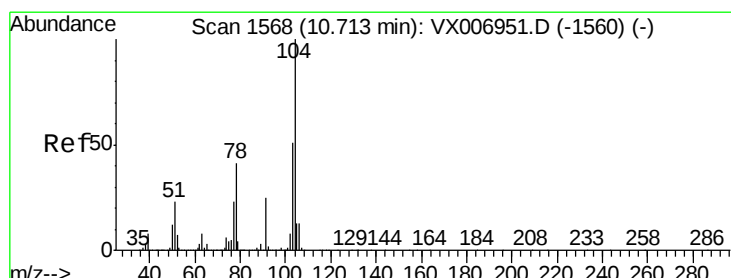
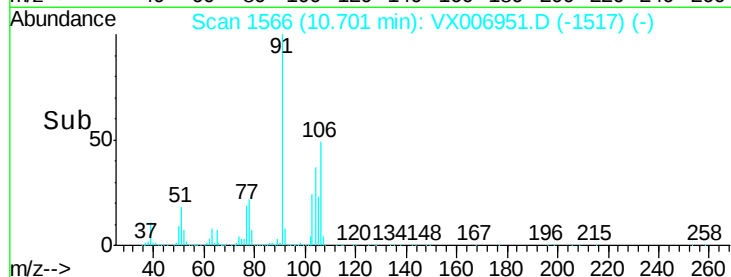
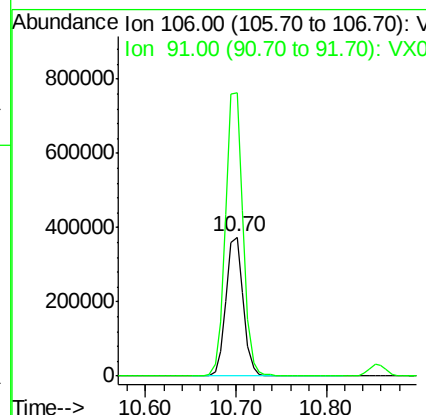
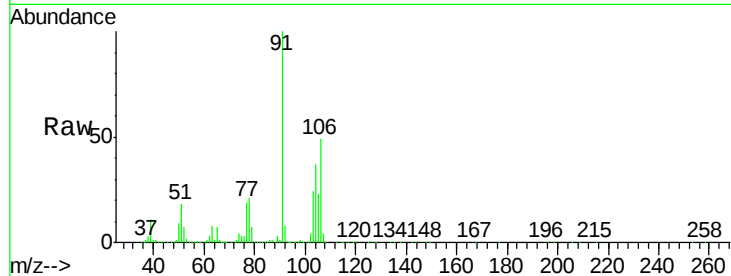
#69
o-Xylene
Concen: 47.230 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.2	101.3	303.7

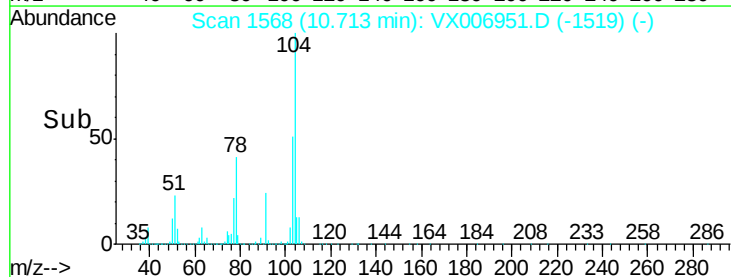
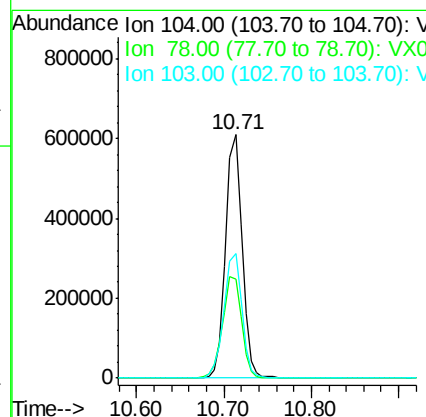
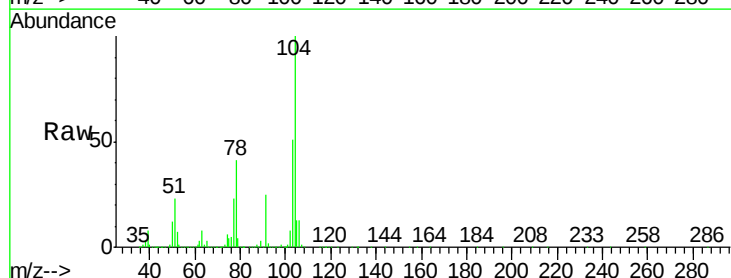
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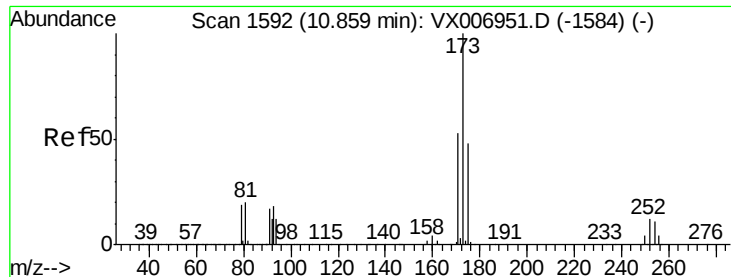
MMDadoda
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#70
Styrene
Concen: 47.920 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	37.7	56.5
103	56.0	43.8	65.8





#71

Bromoform

Concen: 55.390 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 217668

Ion Ratio Lower Upper

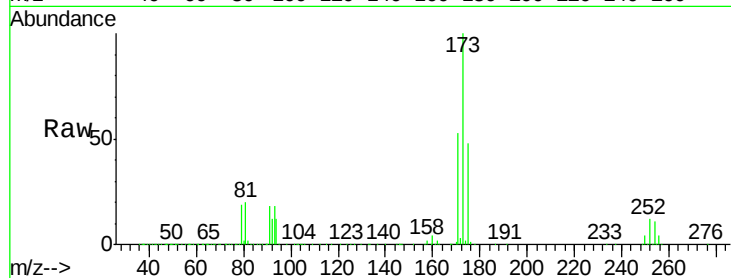
173 100

175 48.3 24.7 74.1

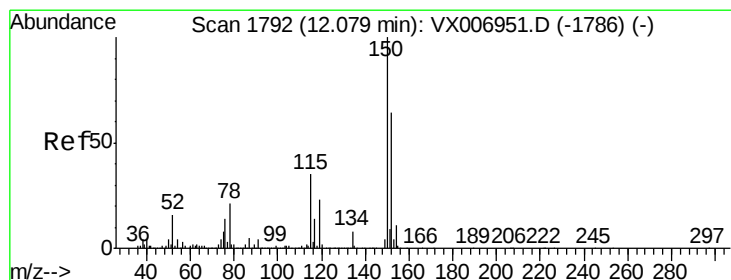
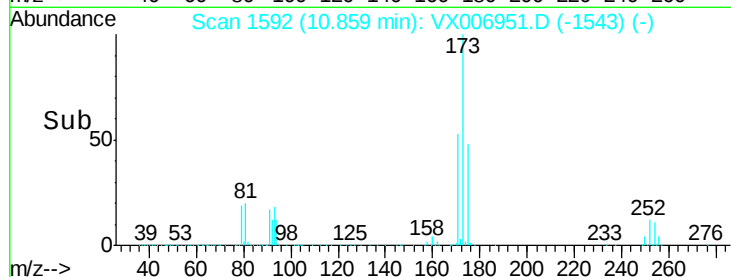
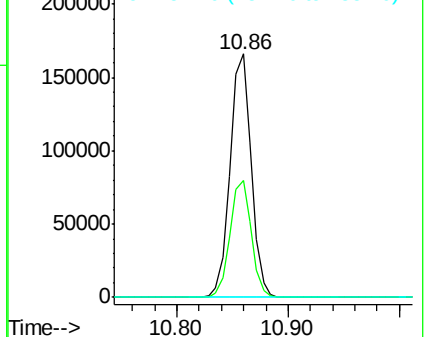
254 0.1 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

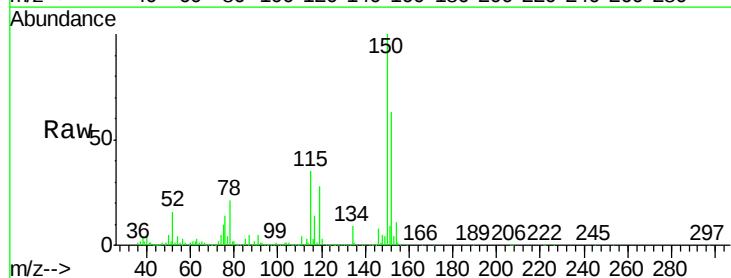
Tgt Ion:152 Resp: 392209

Ion Ratio Lower Upper

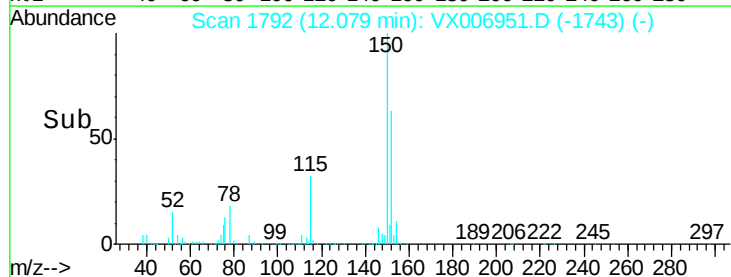
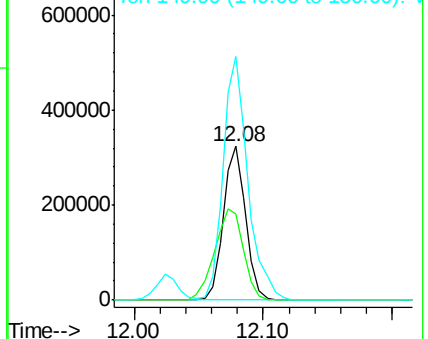
152 100

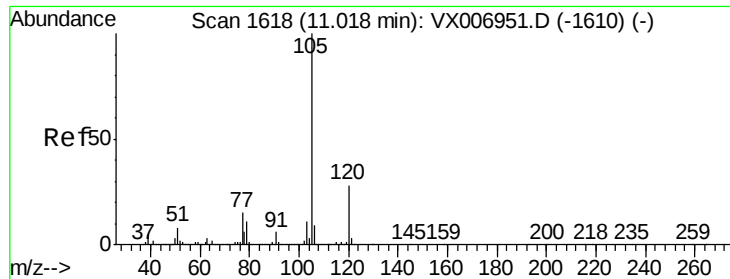
115 77.1 39.1 117.2

150 176.4 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.760 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1308324

Ion Ratio Lower Upper

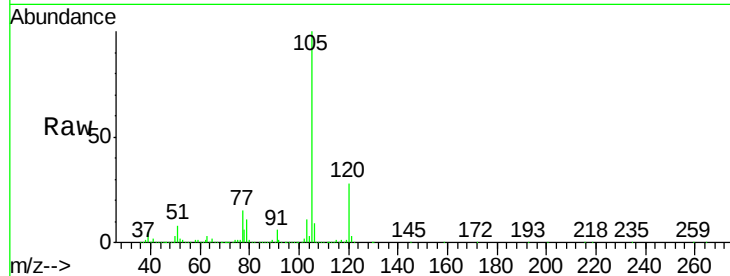
105 100

120 27.8 14.1 42.4

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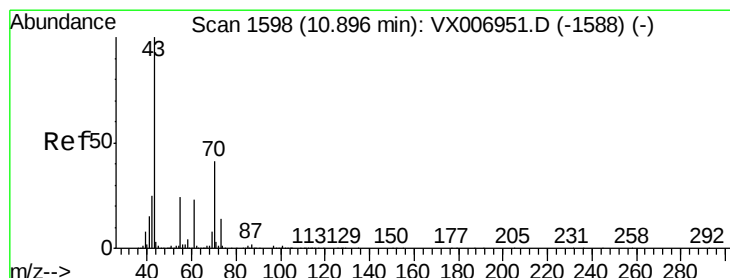
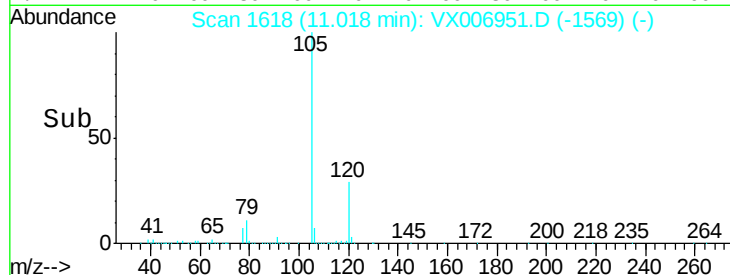
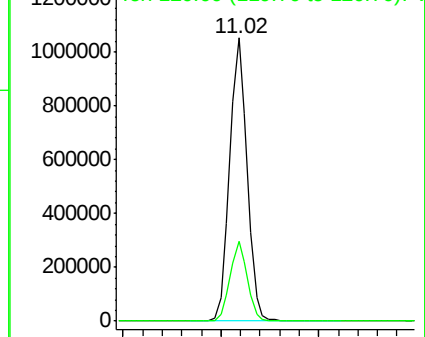
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.305 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Tgt Ion: 43 Resp: 540763

Ion Ratio Lower Upper

43 100

70 42.1 35.8 53.8

55 23.5 19.4 29.0

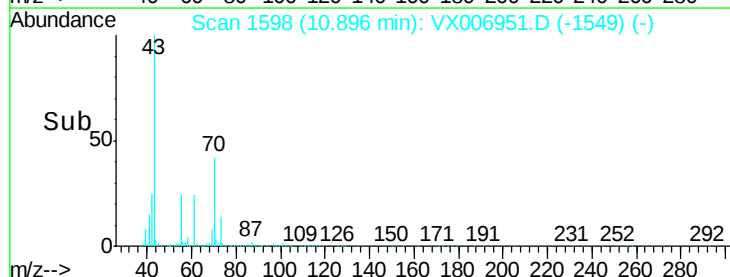
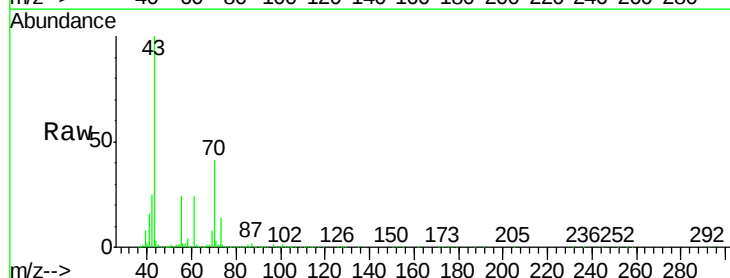
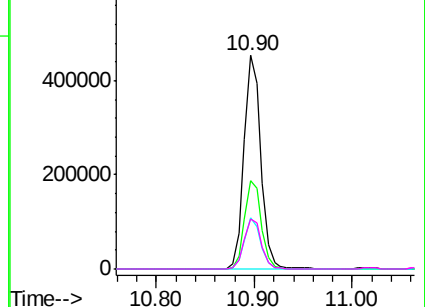
61 23.7 20.1 30.1

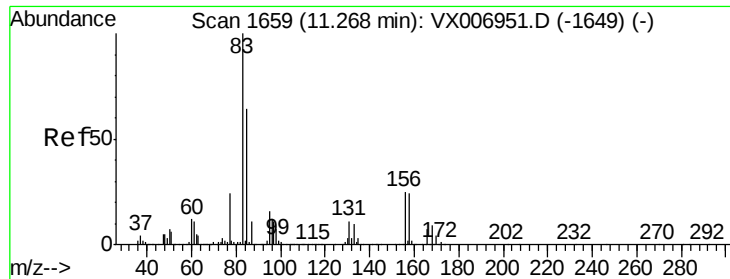
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 51.202 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 408582

Ion Ratio Lower Upper

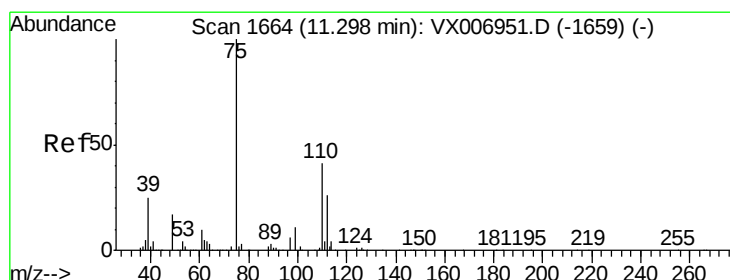
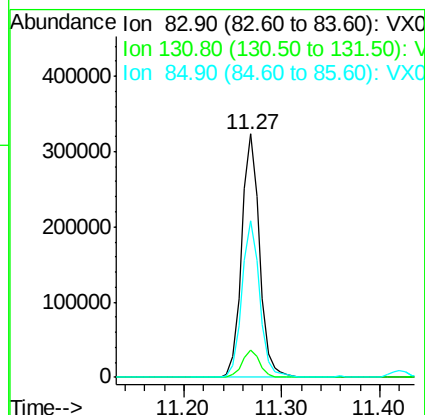
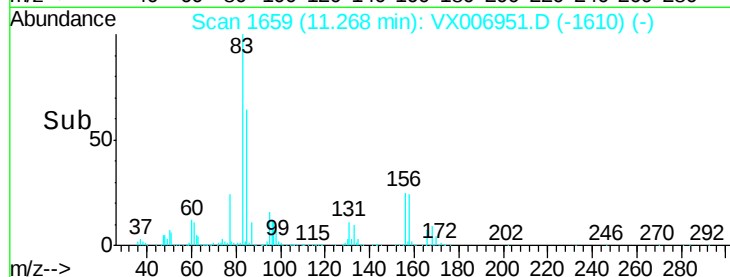
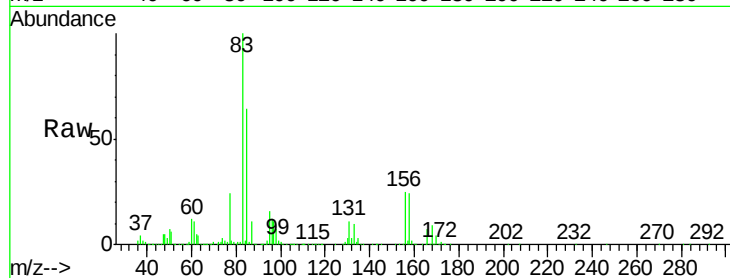
83 100

131 11.1 5.7 17.1

85 64.3 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.165 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006951.D

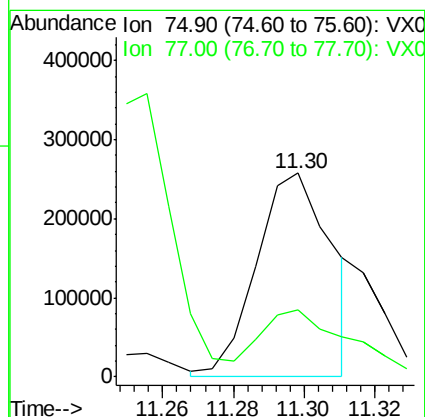
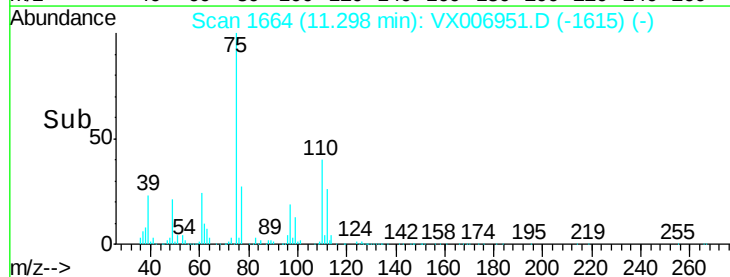
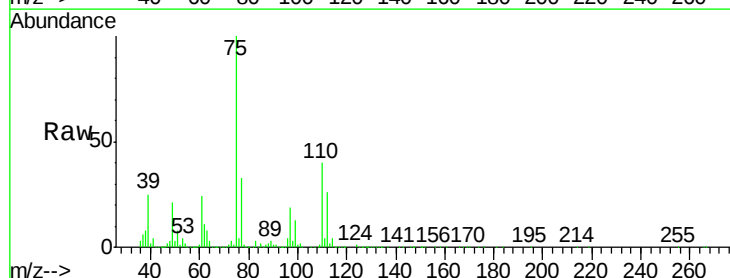
Acq: 08 Jan 2019 12:52

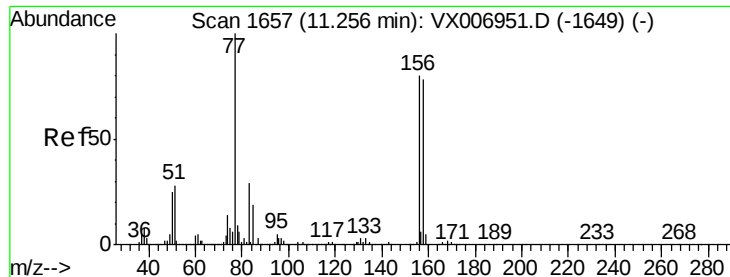
Tgt Ion: 75 Resp: 380224

Ion Ratio Lower Upper

75 100

77 38.9 18.5 55.5





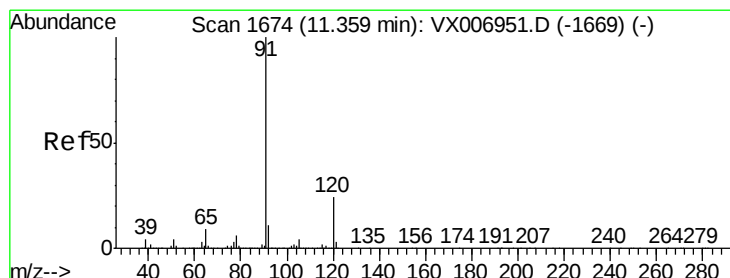
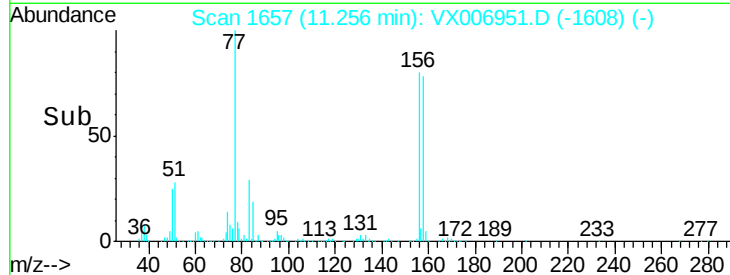
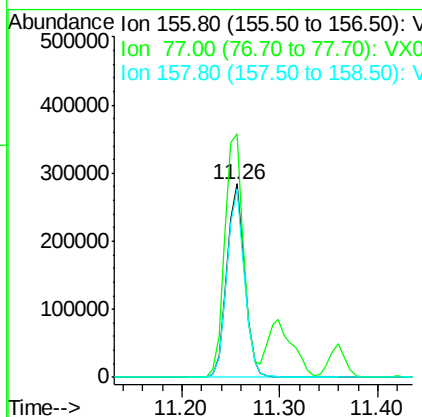
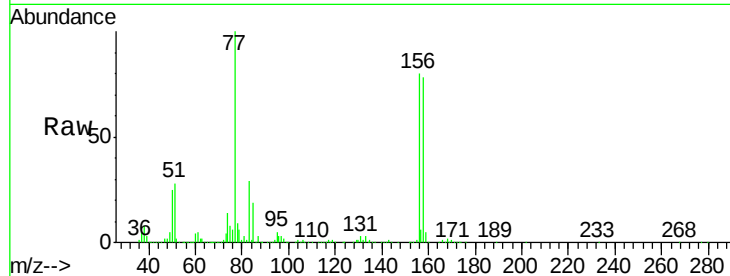
#77
Bromobenzene
Concen: 49.478 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.9	68.0	204.0
158	96.8	48.3	144.8

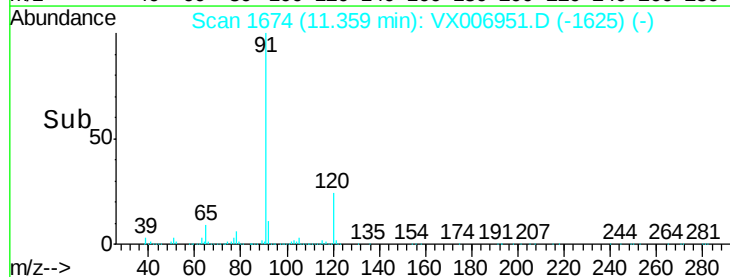
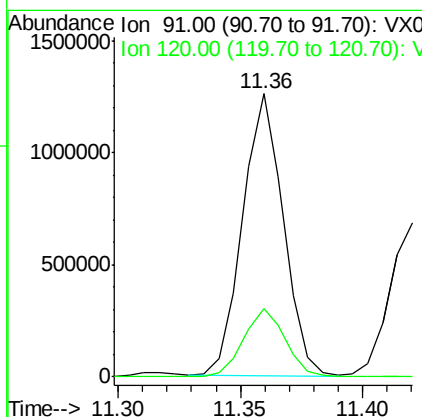
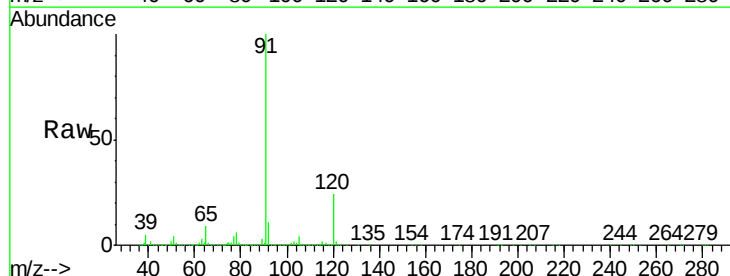
Manual Integrations
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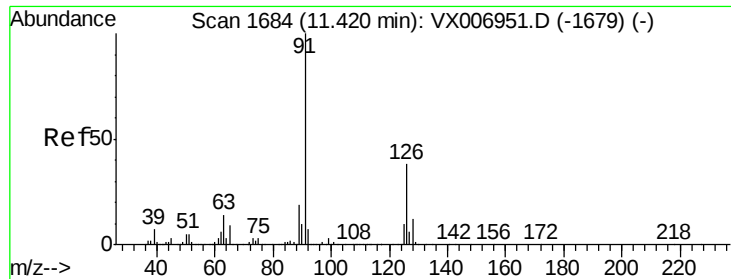
MMDadoda
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#78
n-propylbenzene
Concen: 49.513 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.7	38.0





#79

2-Chlorotoluene

Concen: 47.353 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 847902

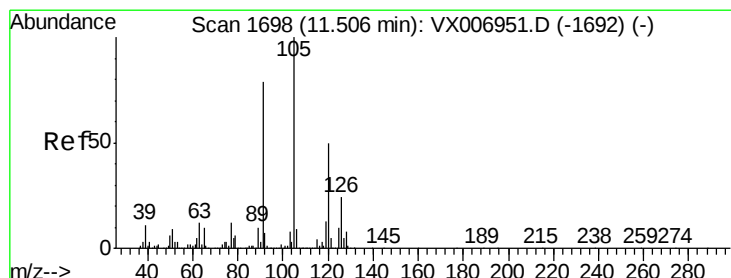
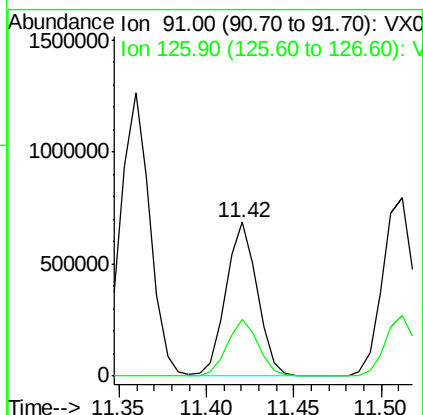
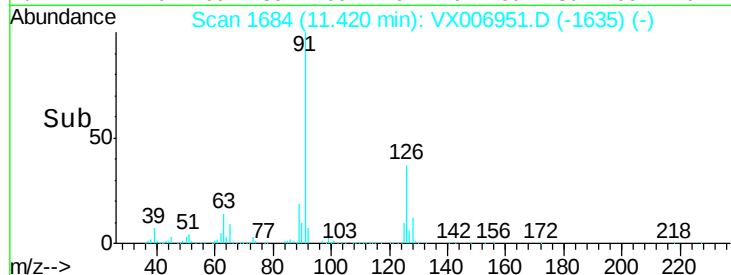
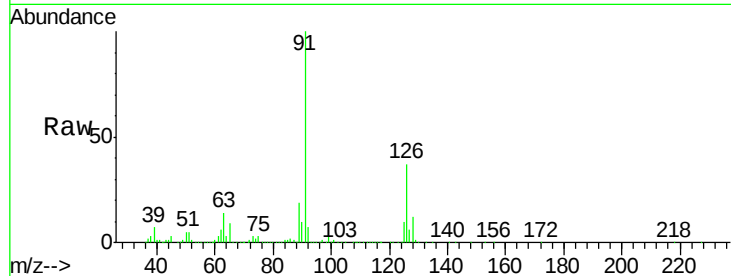
Ion Ratio Lower Upper

91 100

126 37.3 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 49.262 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006951.D

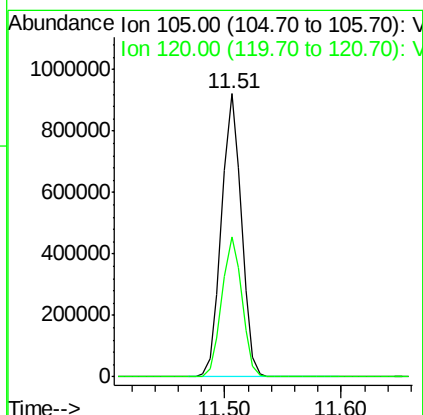
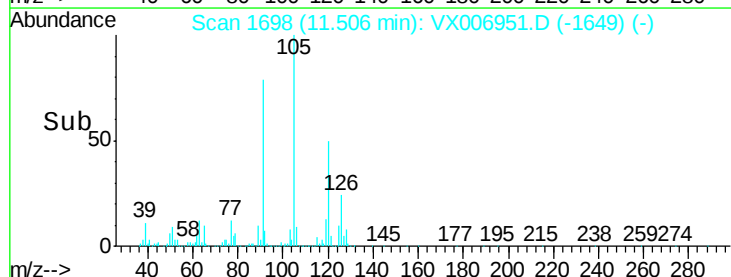
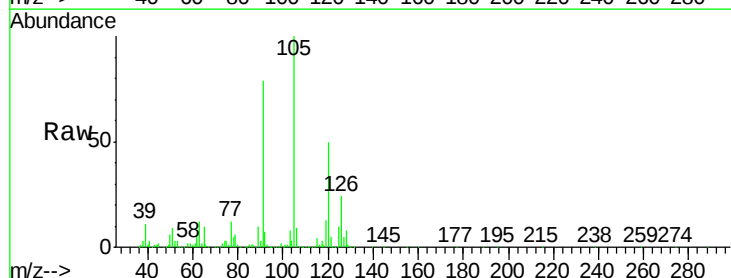
Acq: 08 Jan 2019 12:52

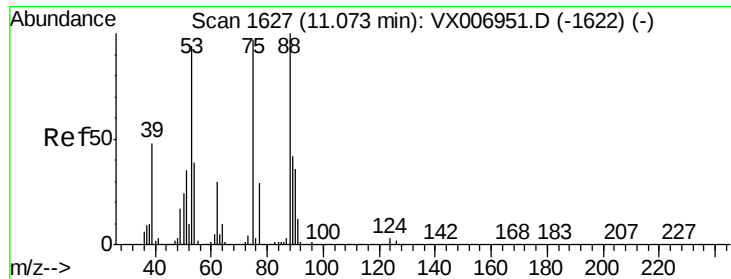
Tgt Ion: 105 Resp: 1088699

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 58.420 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

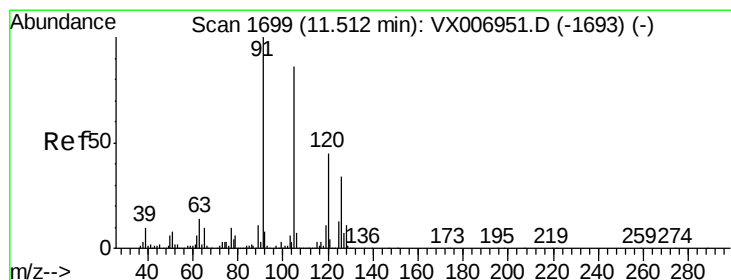
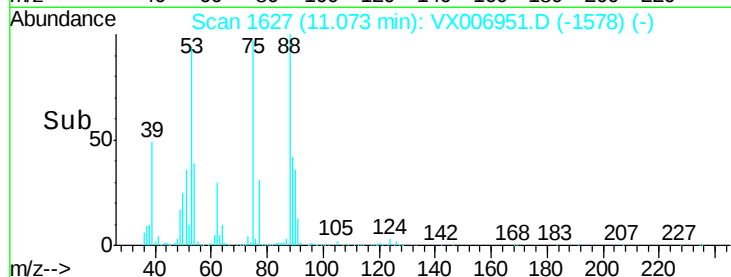
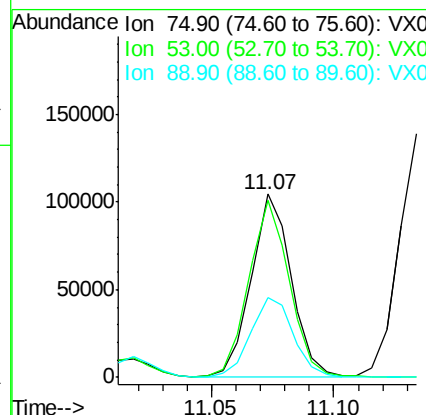
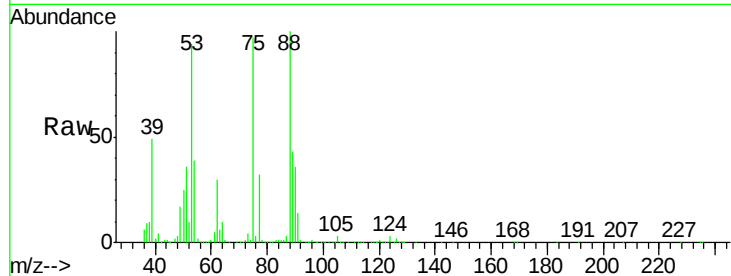
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	118880
Ion	Ratio	Lower	Upper
75	100		
53	97.9	79.7	119.5
89	47.0	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.675 ug/l

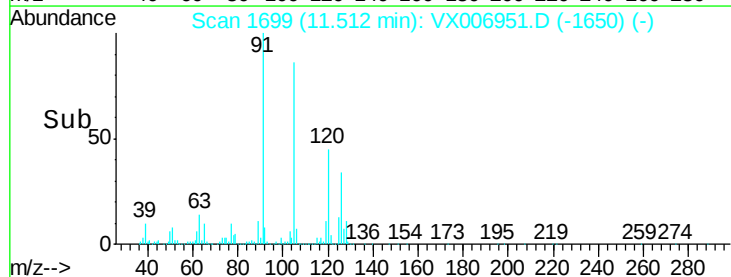
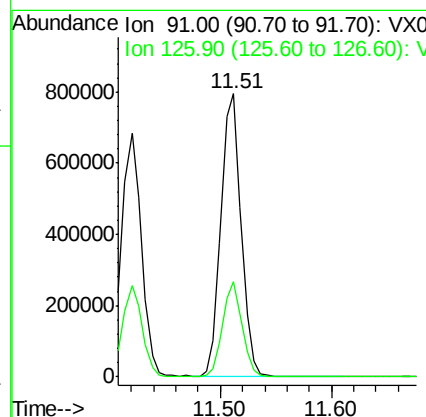
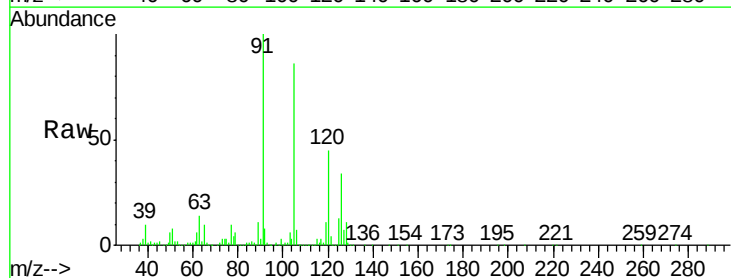
RT: 11.51 min Scan# 1699

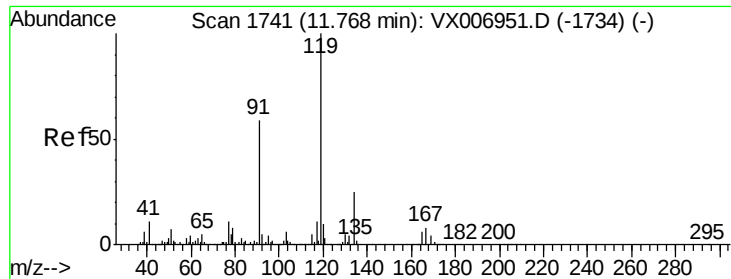
Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Tgt Ion:	91	Resp:	999751
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.3	48.9





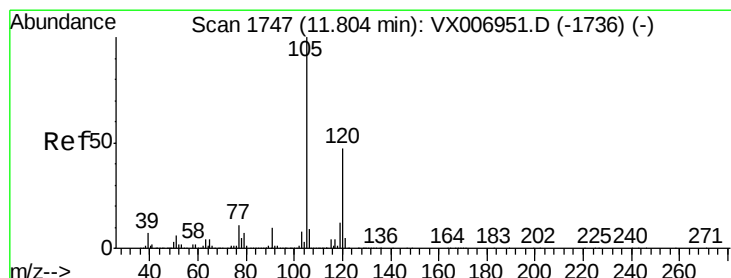
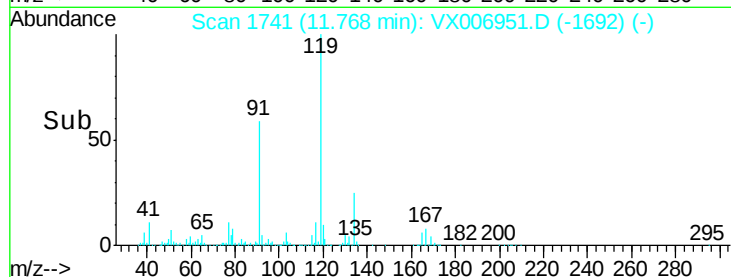
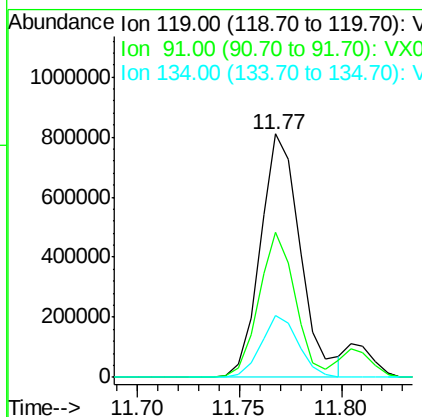
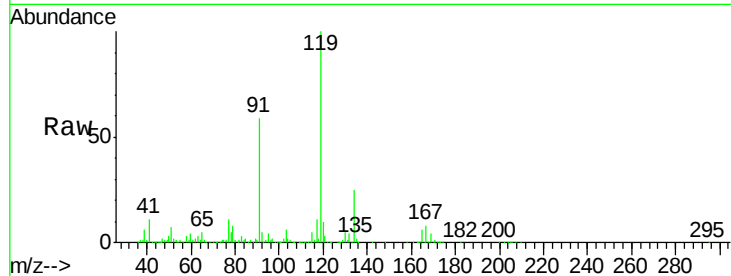
#83
 tert-Butylbenzene
 Concen: 49.889 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX006951.D
 Acq: 08 Jan 2019 12:52

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion:119 Resp: 1103506
 Ion Ratio Lower Upper
 119 100
 91 54.2 27.7 83.1
 134 23.7 11.9 35.5

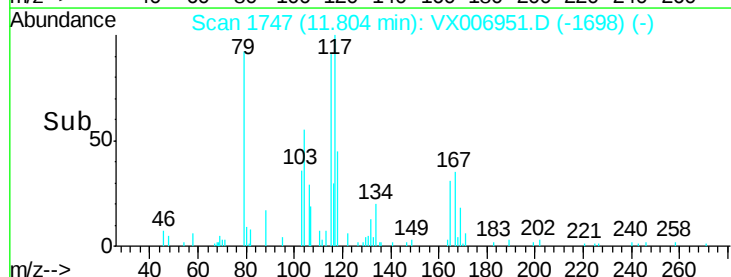
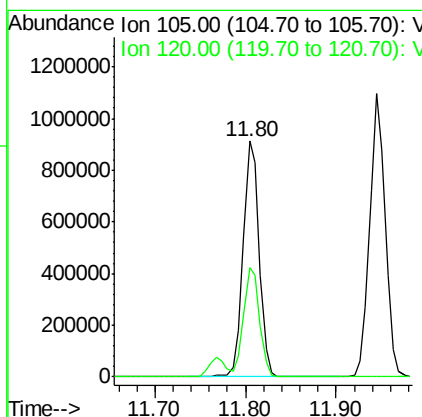
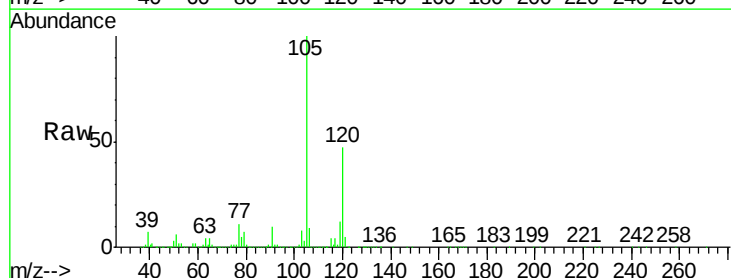
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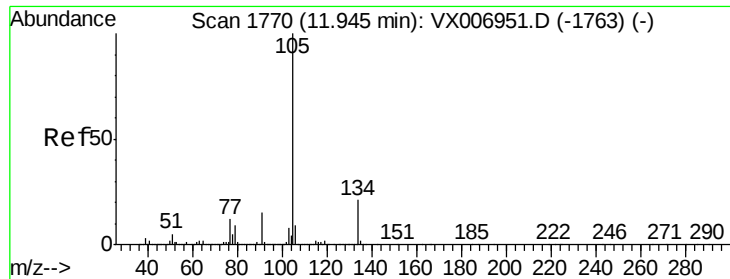
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.933 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006951.D
 Acq: 08 Jan 2019 12:52

Tgt Ion:105 Resp: 1114256
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.2 69.6





#85

sec-Butylbenzene

Concen: 48.084 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1304008

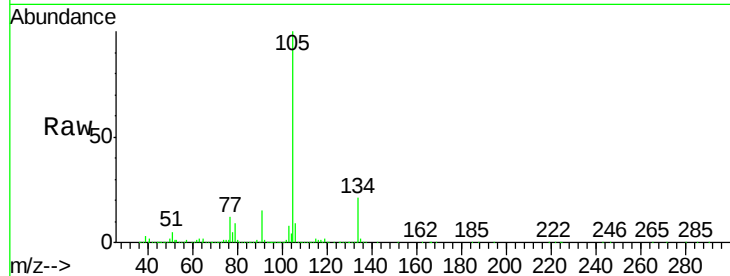
Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9

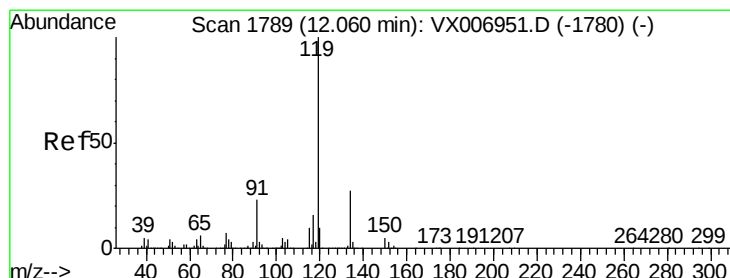
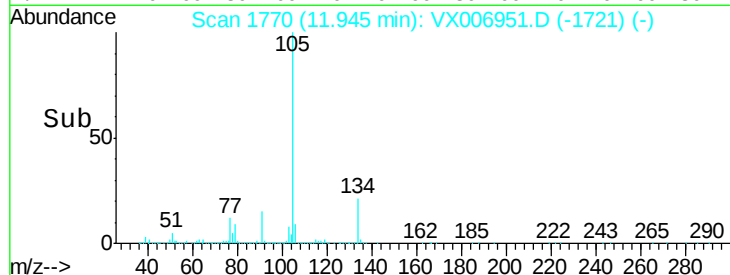
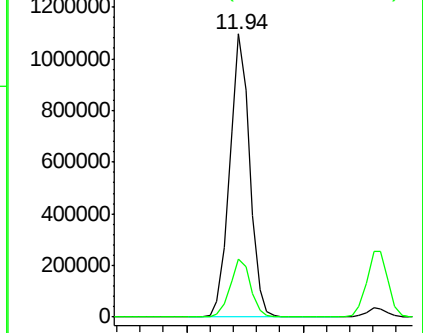
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.079 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

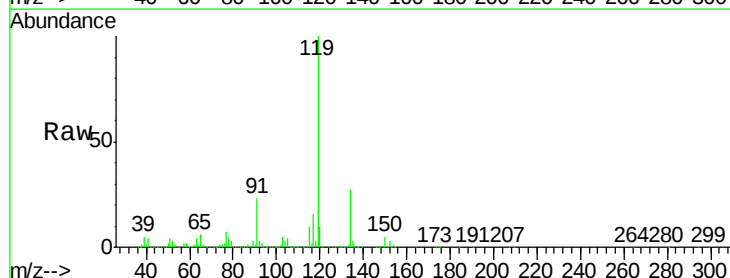
Tgt Ion:119 Resp: 1169994

Ion Ratio Lower Upper

119 100

134 27.7 14.0 41.9

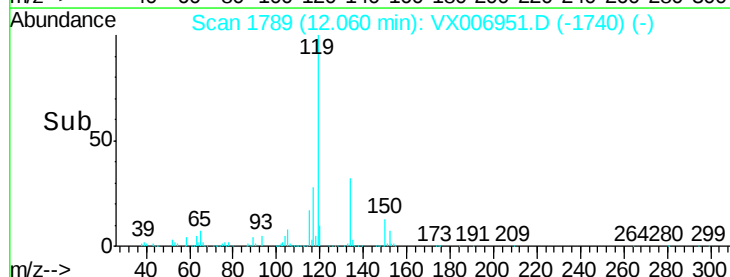
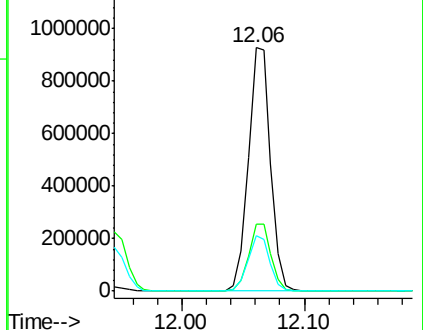
91 22.5 11.3 33.9

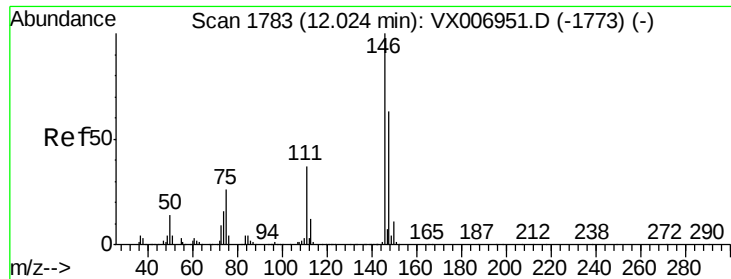


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





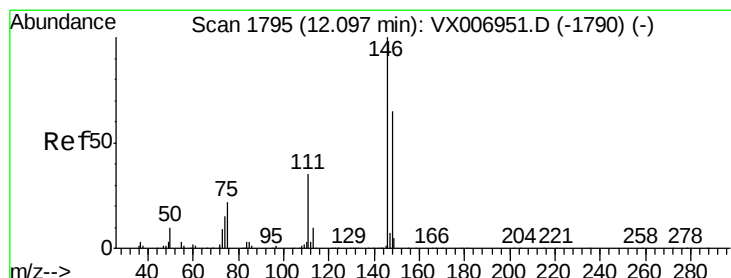
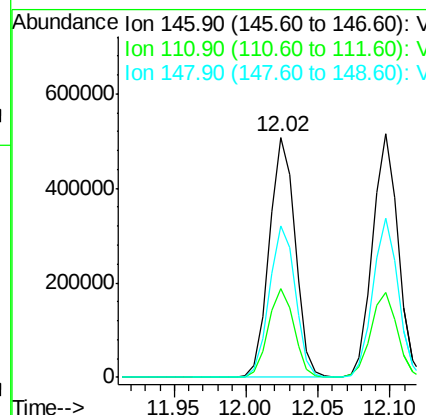
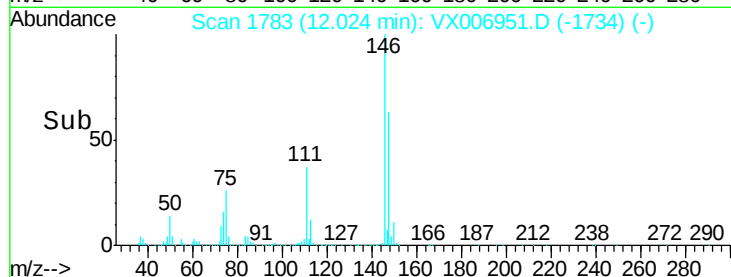
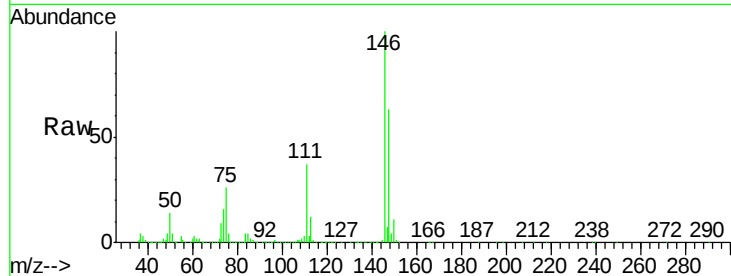
#87
 1,3-Dichlorobenzene
 Concen: 48.227 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006951.D
 Acq: 08 Jan 2019 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	63.3	31.8	95.3

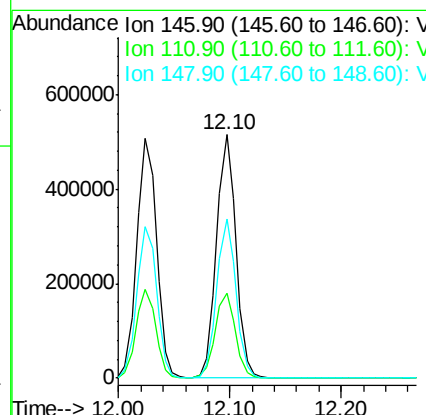
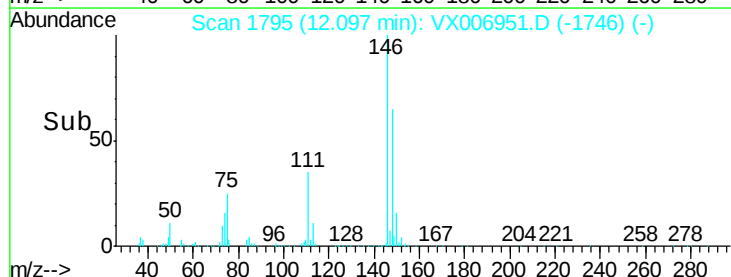
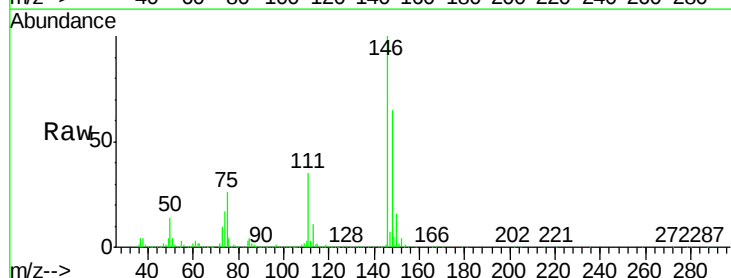
Manual Integrations
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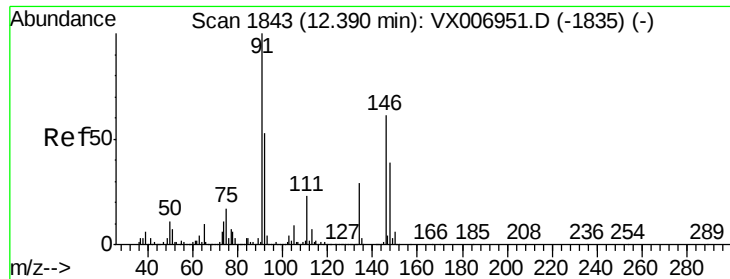
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#88
 1,4-Dichlorobenzene
 Concen: 46.617 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006951.D
 Acq: 08 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	64.8	31.9	95.9





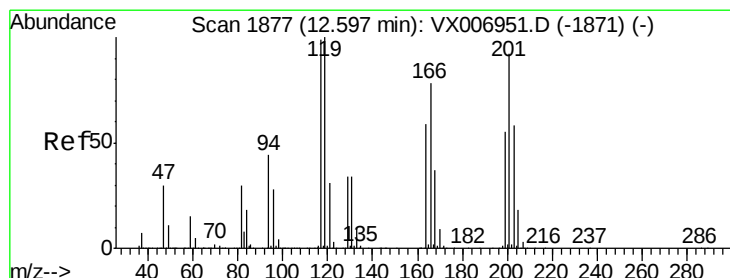
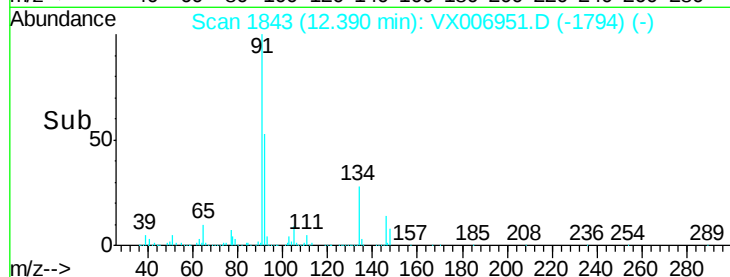
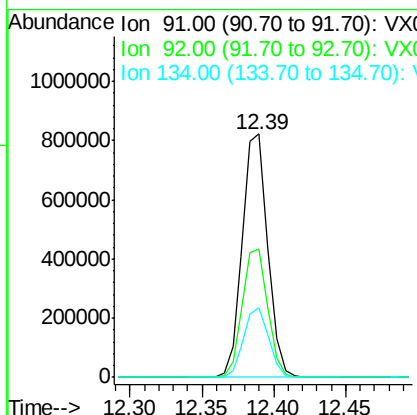
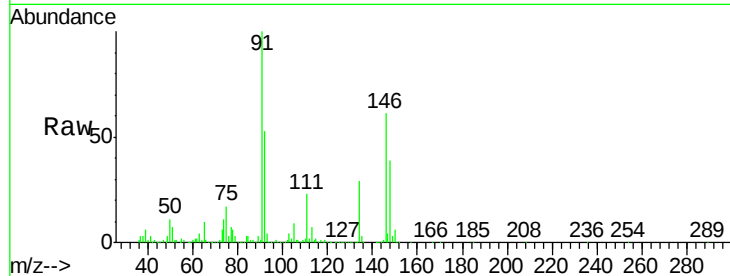
#89
n-Butylbenzene
Concen: 49.458 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1003403
Ion Ratio Lower Upper
91 100
92 53.0 26.8 80.4
134 28.3 14.4 43.2

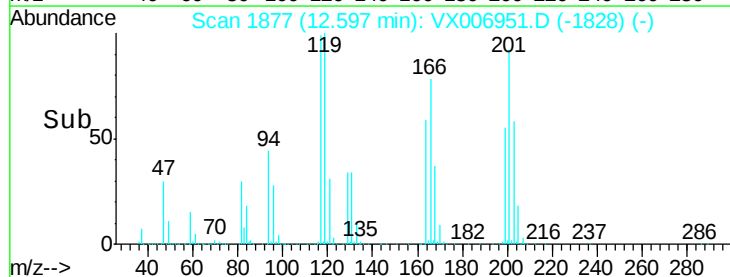
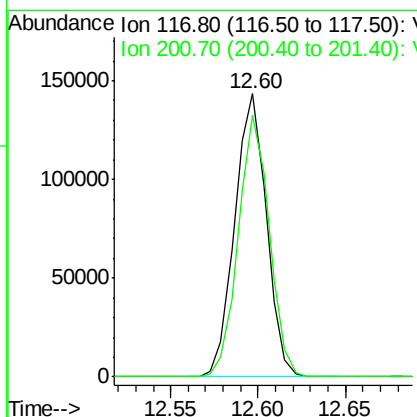
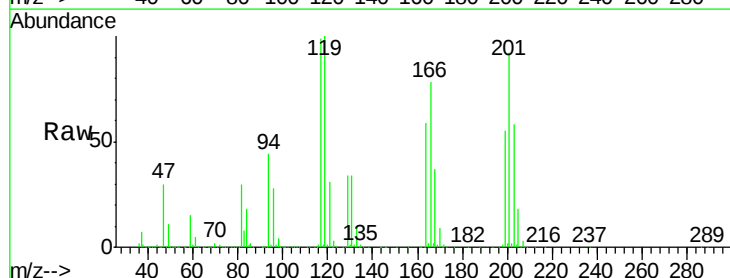
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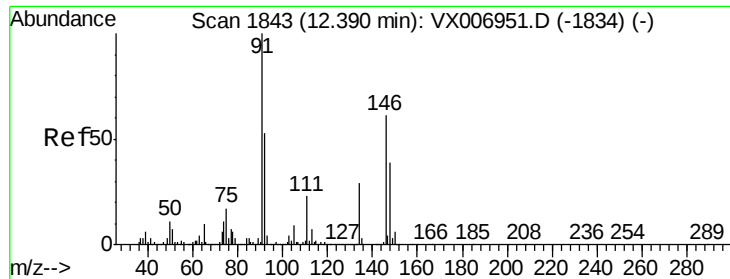
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#90
Hexachloroethane
Concen: 55.564 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006951.D
Acq: 08 Jan 2019 12:52

Tgt Ion: 117 Resp: 180438
Ion Ratio Lower Upper
117 100
201 90.7 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 47.176 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

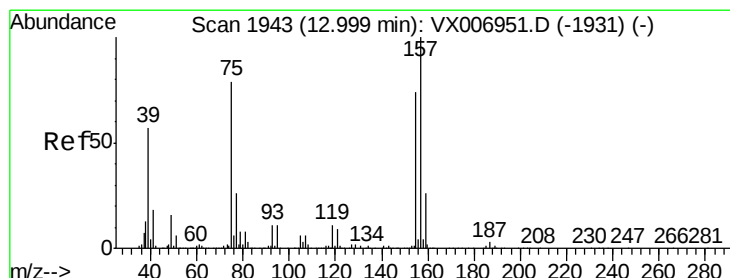
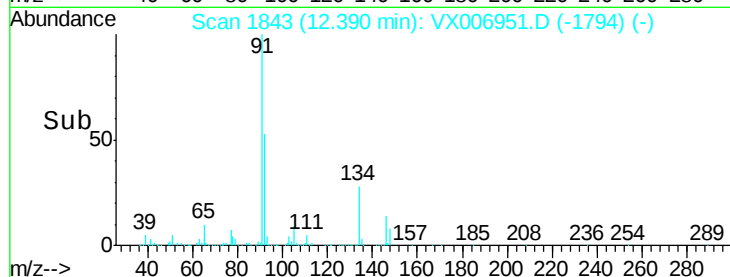
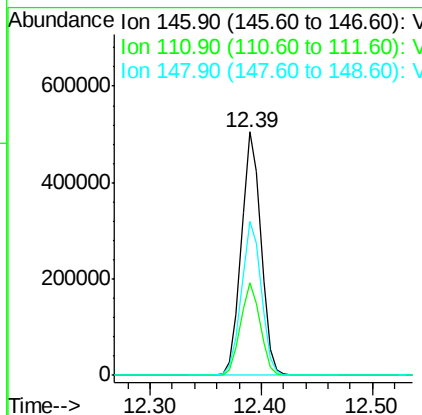
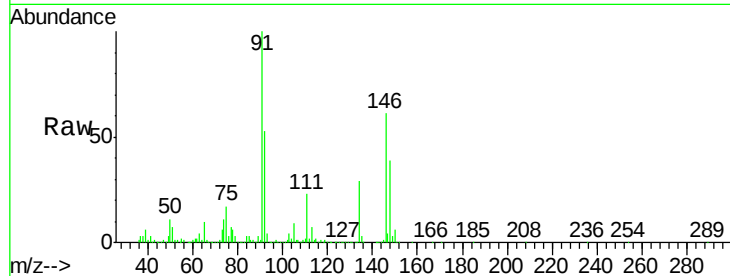
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	616976
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.4	58.2
148	64.1	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.571 ug/l

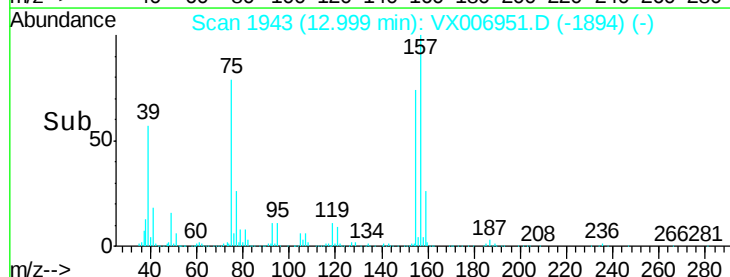
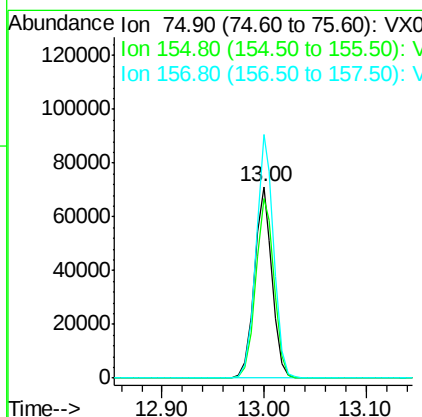
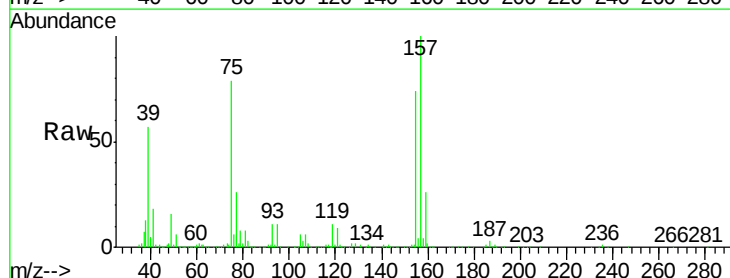
RT: 13.00 min Scan# 1943

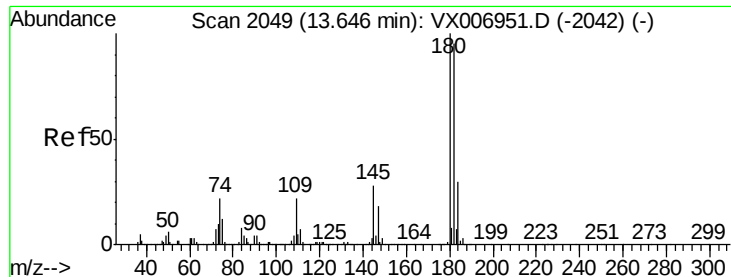
Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Tgt Ion:	75	Resp:	86802
Ion Ratio	Lower	Upper	
75	100		
155	98.3	50.6	151.8
157	127.7	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 48.392 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

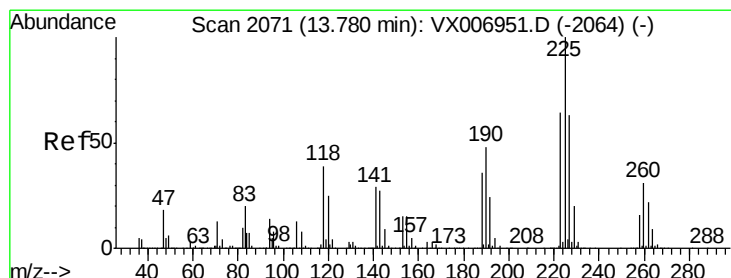
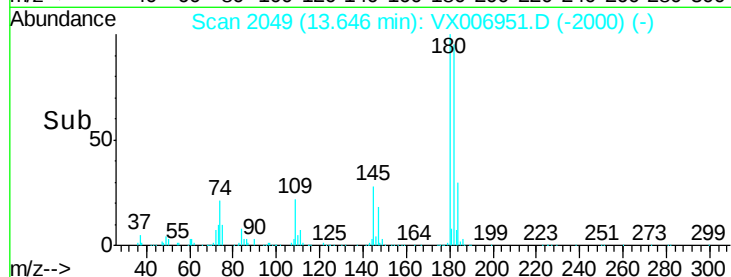
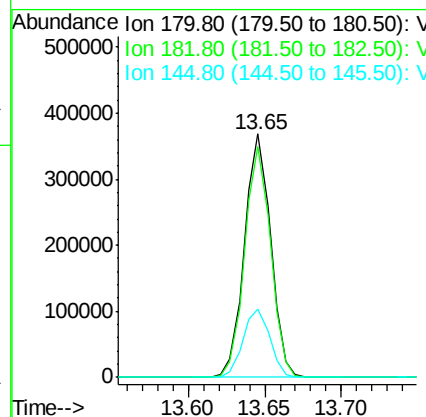
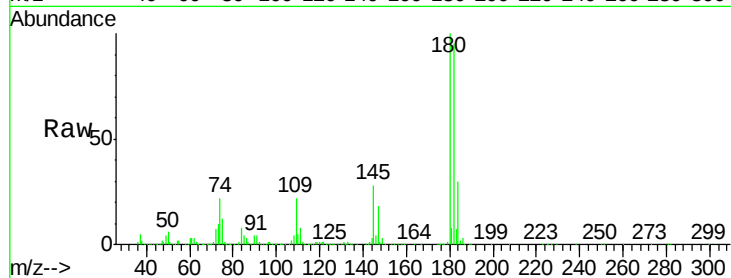
ClientSampleId :

VSTDICCC050

Tot Ion:	180	Resp:	436562
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.3	142.0
145	28.8	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
1/9/2019 10:25:01 AM



#94

Hexachlorobutadiene

Concen: 45.651 ug/l

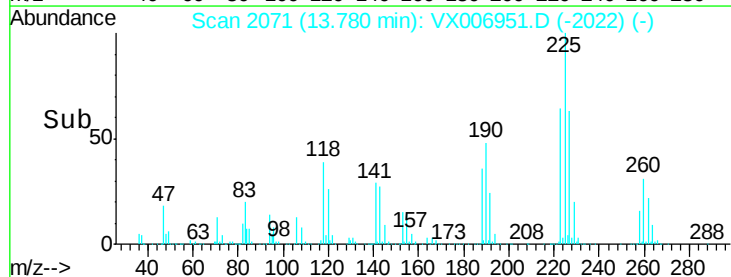
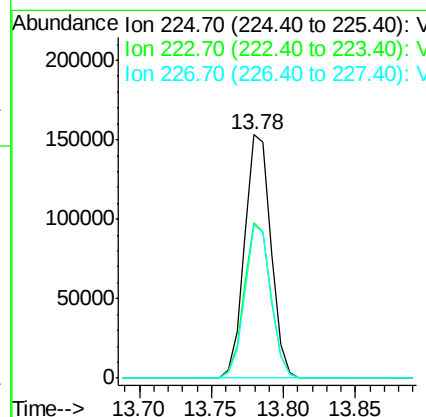
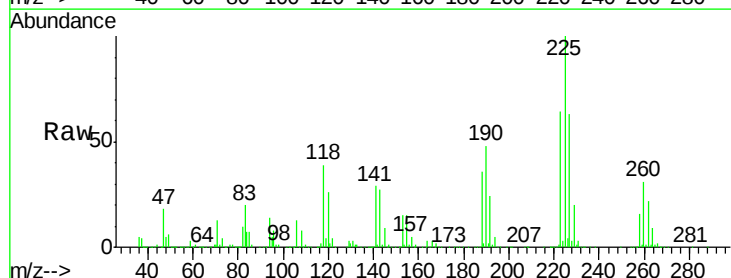
RT: 13.78 min Scan# 2071

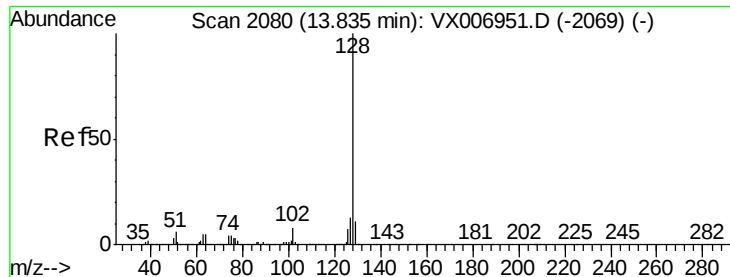
Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Tgt Ion:	225	Resp:	194115
Ion Ratio	Lower	Upper	
225	100		
223	63.7	32.1	96.3
227	62.2	32.3	96.8





#95

Naphthalene

Concen: 45.996 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1324340

Ion Ratio Lower Upper

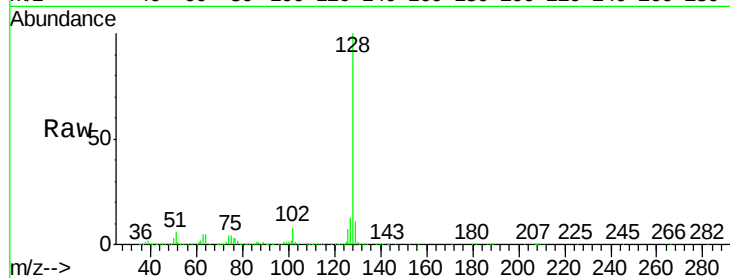
128 100

127 12.9 10.1 15.1

129 11.0 8.6 13.0

Manual Integrations
APPROVED

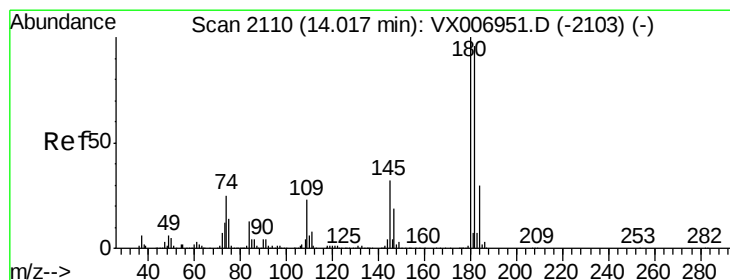
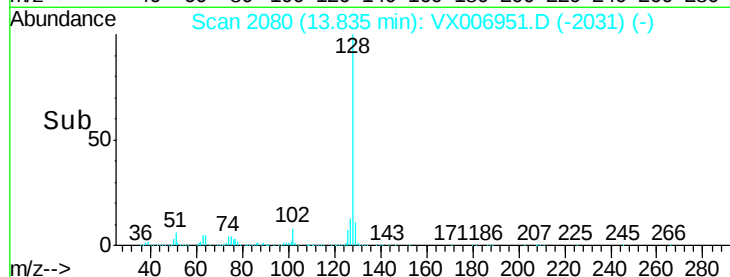
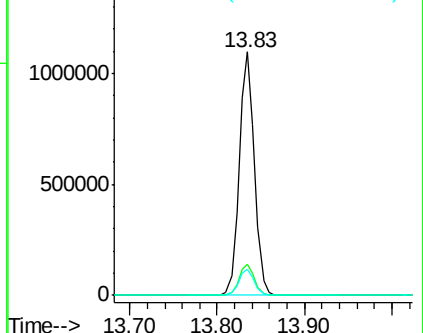
MMDadoda
1/9/2019 10:25:01 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.961 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006951.D

Acq: 08 Jan 2019 12:52

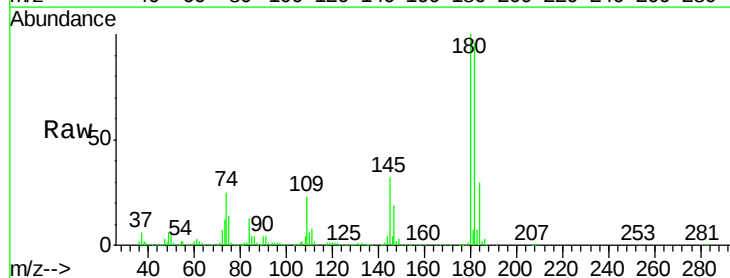
Tgt Ion:180 Resp: 428099

Ion Ratio Lower Upper

180 100

182 96.3 48.5 145.5

145 30.3 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

