

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX031119\
 Data File : VX007969.D
 Acq On : 11 Mar 2019 14:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 2:20:37 PM

Quant Time: Mar 12 08:49:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	268112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170856	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	129123	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	
35) Dibromofluoromethane	5.50	113	116613	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	8.71	98	438303	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	11.13	95	158769	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	107986	47.143	ug/l 99
3) Chloromethane	1.33	50	129261	43.789	ug/l 99
4) Vinyl Chloride	1.41	62	136121	46.409	ug/l 100
5) Bromomethane	1.64	94	64818	47.024	ug/l 99
6) Chloroethane	1.72	64	85224	43.738	ug/l 97
7) Trichlorofluoromethane	1.93	101	182320	47.743	ug/l 97
8) Diethyl Ether	2.19	74	77685	46.978	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	116167	49.088	ug/l 99
10) Methyl Iodide	2.51	142	157377	46.877	ug/l 99
11) Tert butyl alcohol	3.07	59	139905	221.191	ug/l 99
12) 1,1-Dichloroethene	2.37	96	108553	47.587	ug/l 99
13) Acrolein	2.30	56	92819	259.256	ug/l 99
14) Allyl chloride	2.73	41	218818	45.650	ug/l 99
15) Acrylonitrile	3.15	53	354891	222.291	ug/l 100
16) Acetone	2.45	43	361301	220.702	ug/l 98
17) Carbon Disulfide	2.57	76	325821	47.008	ug/l 100
18) Methyl Acetate	2.78	43	165830	47.682	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	377635	48.121	ug/l 100
20) Methylene Chloride	2.86	84	120321	46.182	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	115984	46.209	ug/l 99
22) Diisopropyl ether	3.87	45	397788	45.272	ug/l 98
23) Vinyl Acetate	3.82	43	1729080	224.401	ug/l 98
24) 1,1-Dichloroethane	3.70	63	218954	46.305	ug/l 99
25) 2-Butanone	4.70	43	508602	219.448	ug/l 98
26) 2,2-Dichloropropane	4.59	77	158890	50.719	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	133251	46.394	ug/l 98
28) Bromochloromethane	5.02	49	97786	44.358	ug/l 97
29) Tetrahydrofuran	5.15	42	317365	219.528	ug/l 99
30) Chloroform	5.21	83	209035	46.733	ug/l 98
31) Cyclohexane	5.57	56	208332	47.938	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	180072	48.521	ug/l 97
36) 1,1-Dichloropropene	5.80	75	162896	48.508	ug/l 99
37) Ethyl Acetate	4.85	43	181400	45.520	ug/l 99
38) Carbon Tetrachloride	5.78	117	159796	50.123	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	214773	52.781	ug/l	99
40) Benzene	6.14	78	488675	48.881	ug/l	100
41) Methacrylonitrile	5.06	41	103398	47.591	ug/l	100
42) 1,2-Dichloroethane	6.20	62	156623	47.905	ug/l	99
43) Isopropyl Acetate	6.46	43	284190	48.186	ug/l	99
44) Trichloroethene	7.21	130	137615	49.950	ug/l	98
45) 1,2-Dichloropropane	7.51	63	129686	49.115	ug/l	99
46) Dibromomethane	7.66	93	81631	48.851	ug/l	98
47) Bromodichloromethane	7.90	83	156384	49.361	ug/l	98
48) Methyl methacrylate	7.77	41	148406	47.861	ug/l	98
49) 1,4-Dioxane	7.75	88	58247	914.439	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	900665	237.464	ug/l	99
52) Toluene	8.79	92	308868	50.604	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	176580	53.400	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	194965	52.211	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	124670	50.458	ug/l	99
56) Ethyl methacrylate	9.18	69	189539	51.092	ug/l	98
57) 1,3-Dichloropropane	9.37	76	206275	49.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	511508	266.552	ug/l	99
59) 2-Hexanone	9.49	43	687669	233.529	ug/l	99
60) Dibromochloromethane	9.58	129	133093	51.535	ug/l	99
61) 1,2-Dibromoethane	9.67	107	131185	50.008	ug/l	100
64) Tetrachloroethene	9.34	164	138214	50.607	ug/l	98
65) Chlorobenzene	10.14	112	339809	49.272	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	124619	50.418	ug/l	99
67) Ethyl Benzene	10.25	91	577752	50.892	ug/l	100
68) m/p-Xylenes	10.36	106	447600	102.290	ug/l	100
69) o-Xylene	10.70	106	214827	50.852	ug/l	99
70) Styrene	10.71	104	358139	51.806	ug/l	100
71) Bromoform	10.86	173	104690	49.321	ug/l #	100
73) Isopropylbenzene	11.02	105	584212	50.558	ug/l	100
74) N-amyl acetate	10.90	43	244290	46.308	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	179597	45.059	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	174878m	48.777	ug/l	
77) Bromobenzene	11.26	156	153435	48.432	ug/l	98
78) n-propylbenzene	11.36	91	659304	51.431	ug/l	100
79) 2-Chlorotoluene	11.42	91	385344	49.164	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	484531	50.946	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	55419	49.410	ug/l	99
82) 4-Chlorotoluene	11.51	91	446577	49.718	ug/l	100
83) tert-Butylbenzene	11.77	119	479475	50.050	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	496136	50.888	ug/l	100
85) sec-Butylbenzene	11.94	105	587779	52.095	ug/l	100
86) p-Isopropyltoluene	12.06	119	534033	52.850	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	276263	49.291	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	278344	48.494	ug/l	100
89) n-Butylbenzene	12.39	91	455711	53.233	ug/l	99
90) Hexachloroethane	12.60	117	85892	50.840	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	271289	48.724	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38076	45.709	ug/l	98

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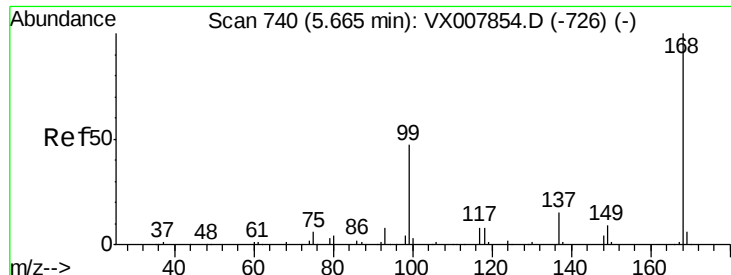
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	202751	51.836	ug/l	100
94) Hexachlorobutadiene	13.78	225	110066	53.823	ug/l	99
95) Naphthalene	13.83	128	575423	51.057	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	199012	51.075	ug/l	99

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



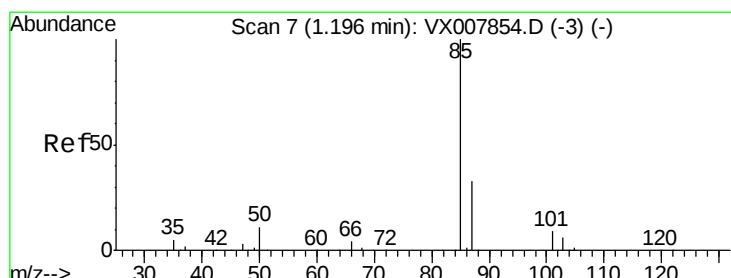
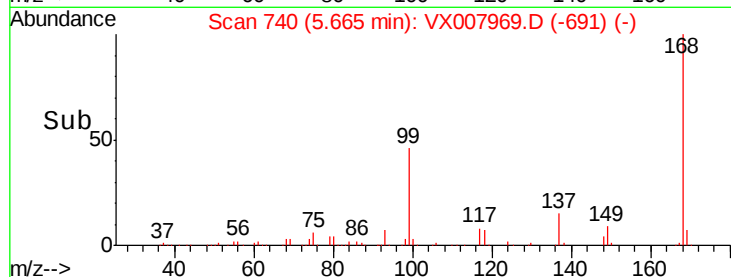
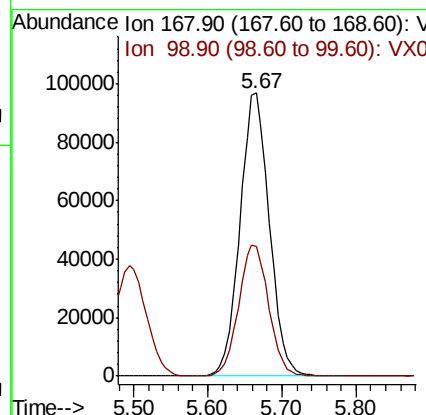
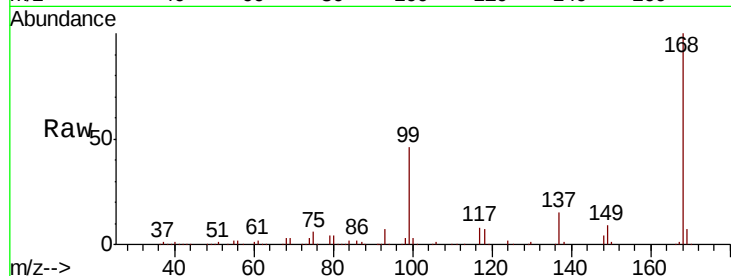
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 268112
Ion Ratio Lower Upper
168 100
99 45.8 37.6 56.4

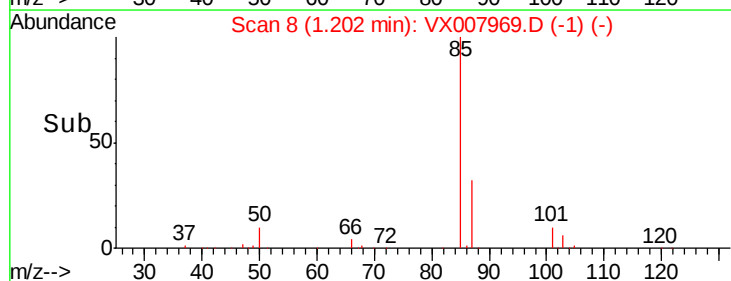
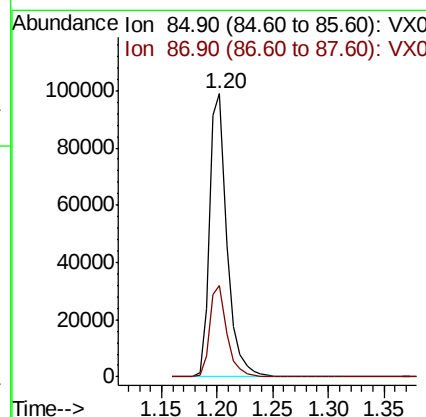
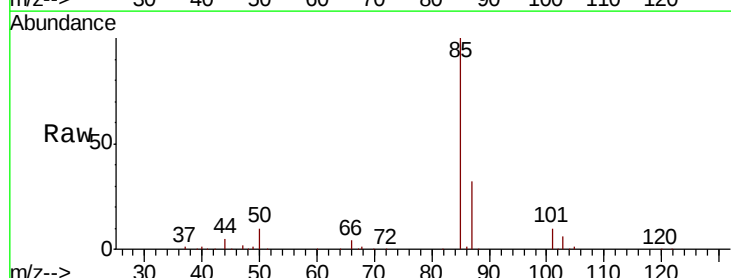
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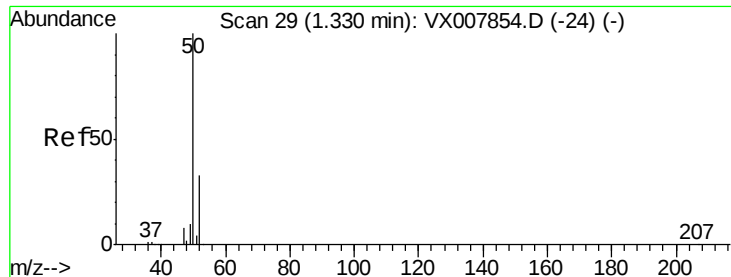
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#2
Dichlorodifluoromethane
Concen: 47.143 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.01 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion: 85 Resp: 107986
Ion Ratio Lower Upper
85 100
87 32.2 16.4 49.1





#3

Chloromethane

Concen: 43.789 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 129261

Ion Ratio Lower Upper

50 100

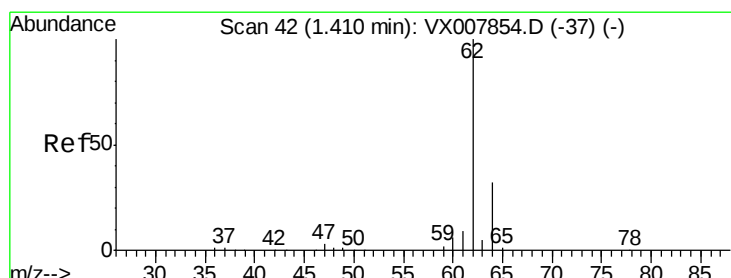
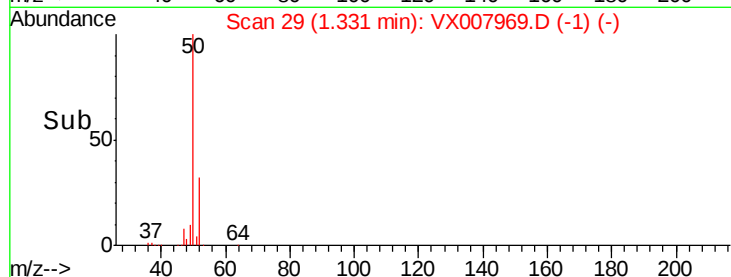
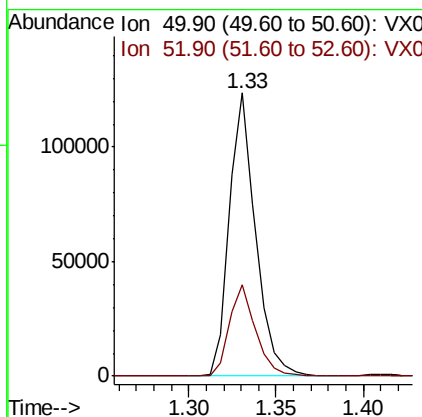
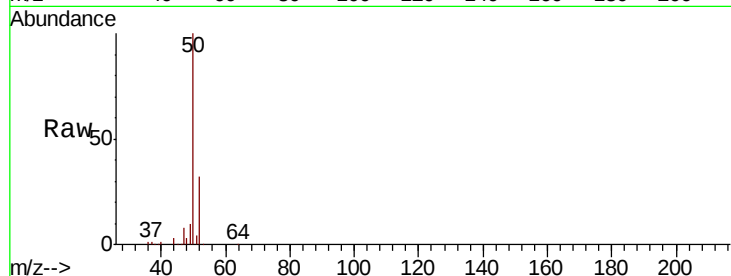
52 32.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.409 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007969.D

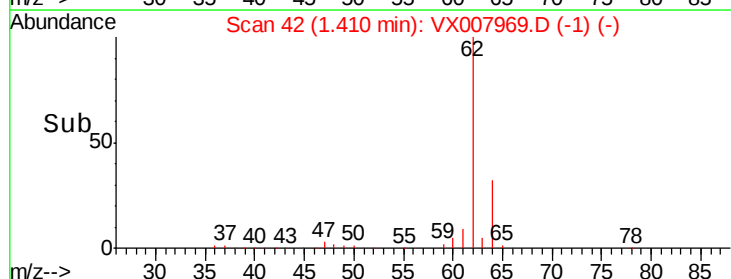
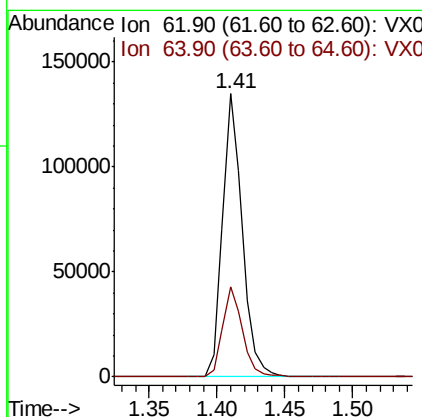
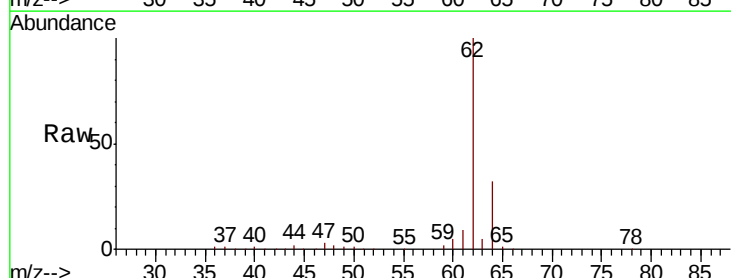
Acq: 11 Mar 2019 14:33

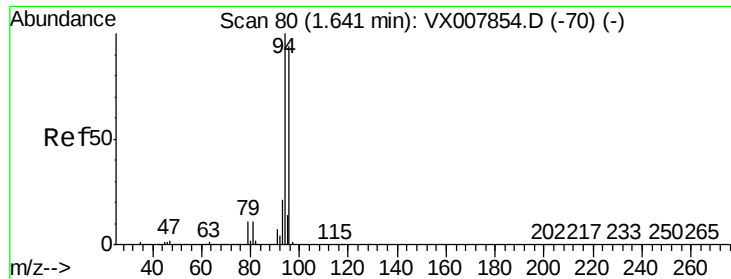
Tgt Ion: 62 Resp: 136121

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 47.024 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 64818

Ion Ratio Lower Upper

94 100

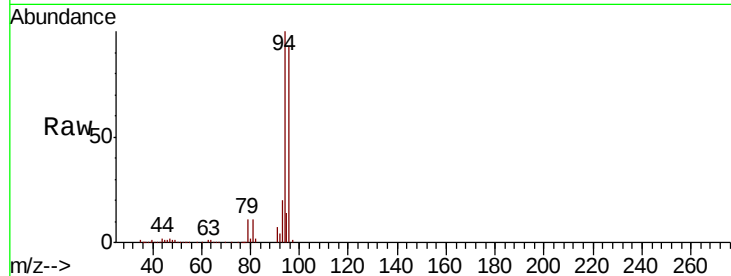
96 93.0 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

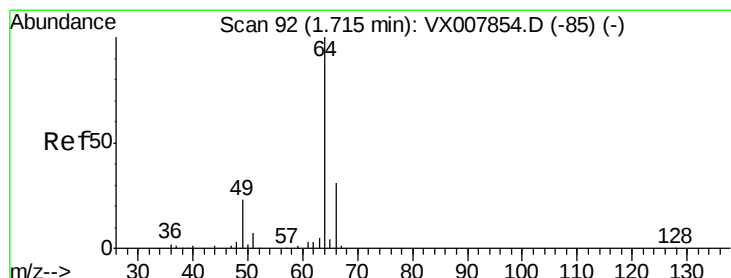
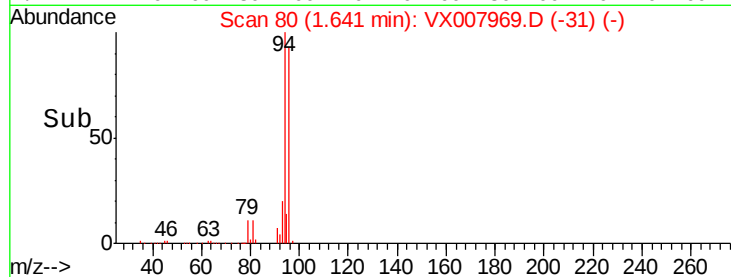
40000

20000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 43.738 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007969.D

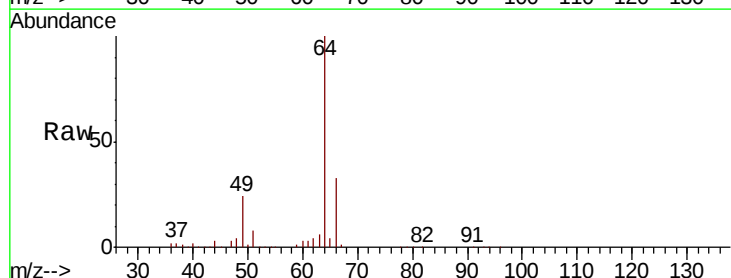
Acq: 11 Mar 2019 14:33

Tgt Ion: 64 Resp: 85224

Ion Ratio Lower Upper

64 100

66 33.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

60000

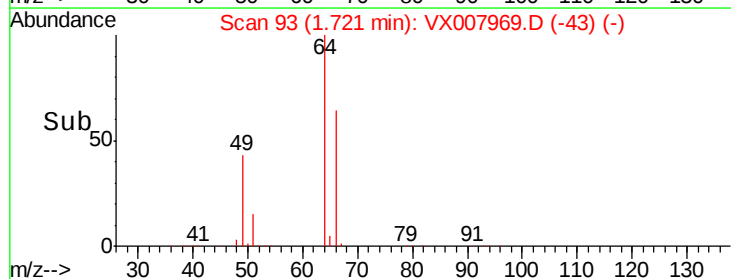
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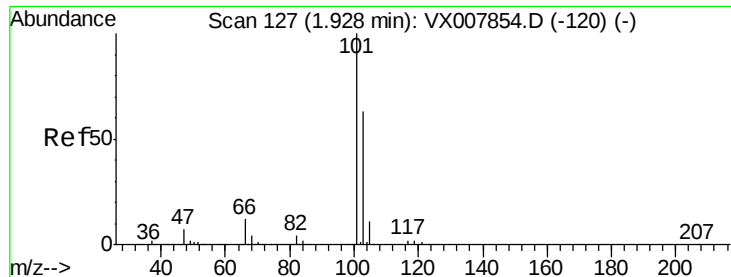
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Time-->

1.60 1.70 1.80





#7

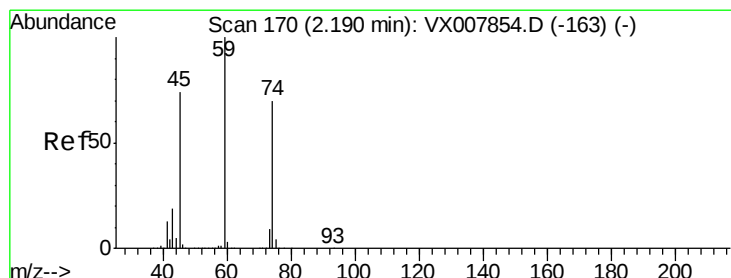
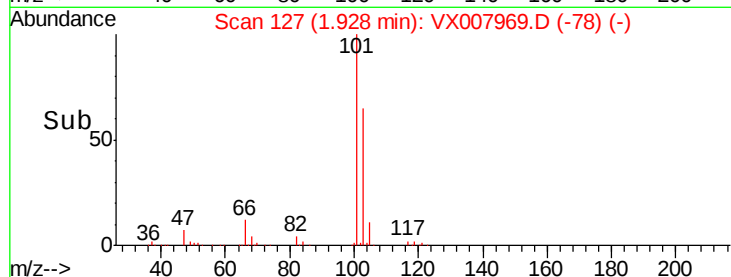
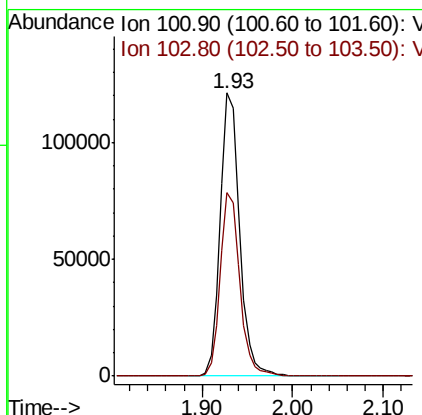
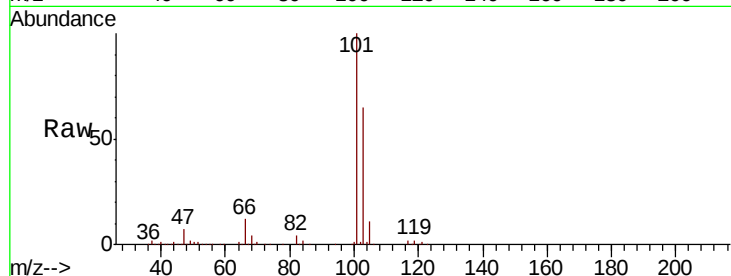
Trichlorofluoromethane
Concen: 47.743 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
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ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.4	75.6

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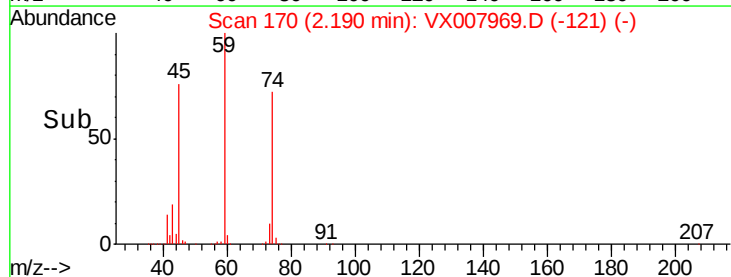
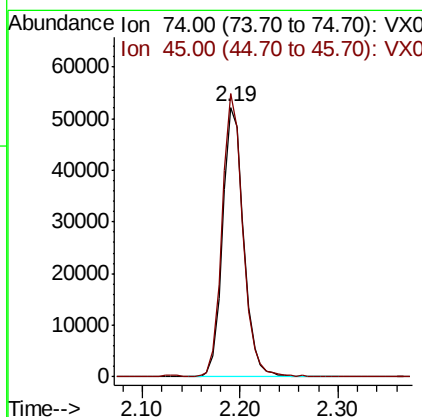
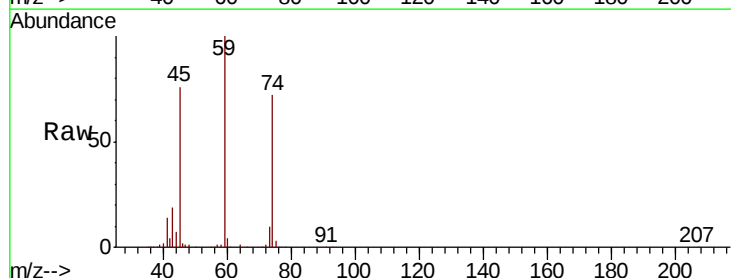
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3/12/2019 2:20:37 PM

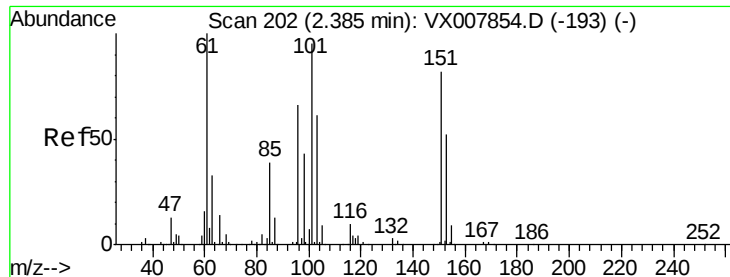


#8

Diethyl Ether
Concen: 46.978 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.088 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

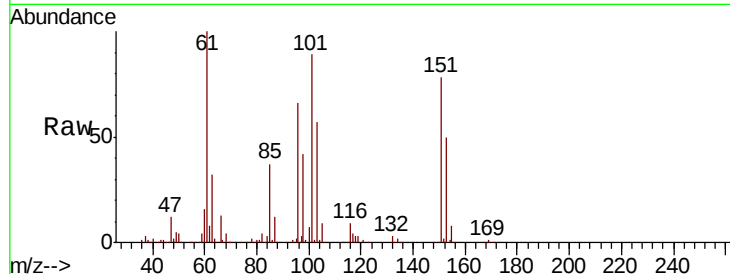
ClientSampleId :

VSTDCCC050

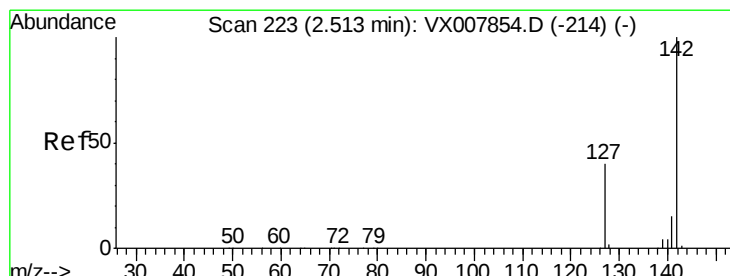
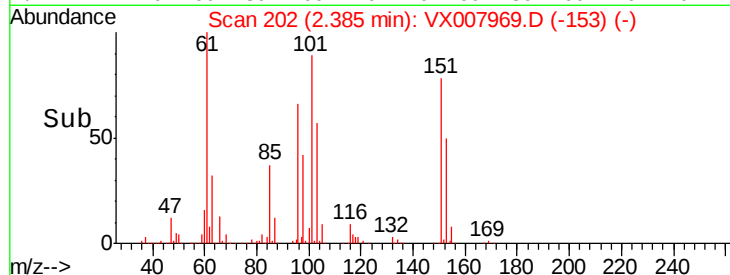
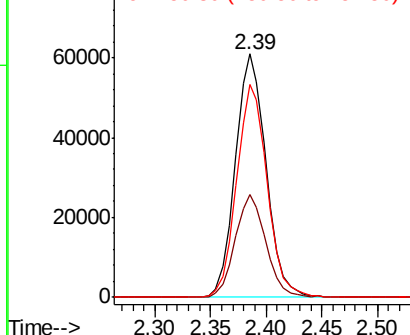
Tgt Ion:	101	Resp:	116167
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.8	50.6
151	87.1	69.1	103.7

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.877 ug/l

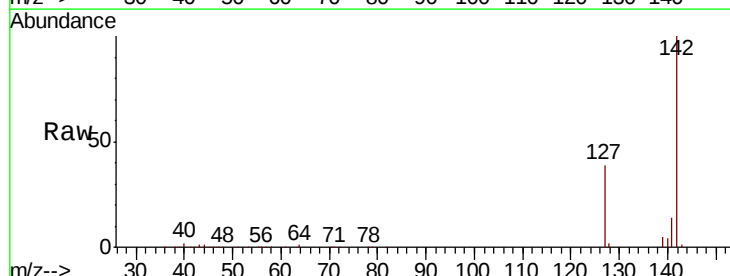
RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

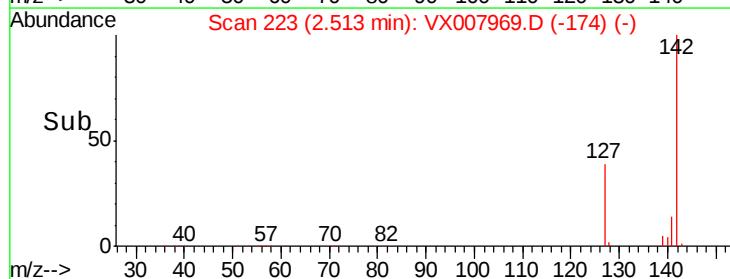
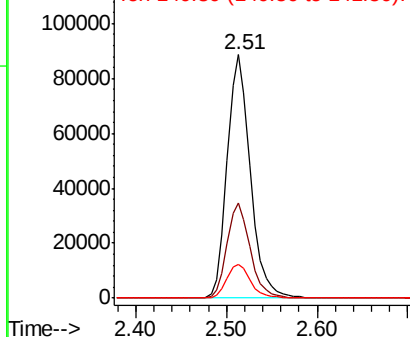
Lab File: VX007969.D

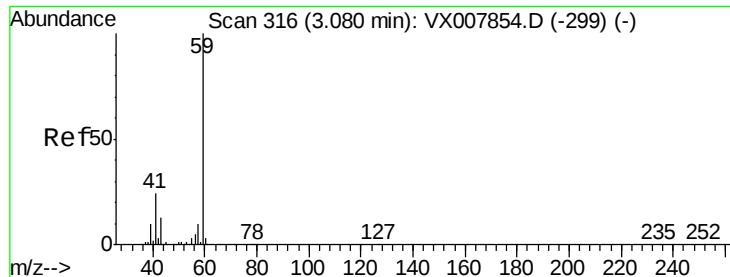
Acq: 11 Mar 2019 14:33

Tgt Ion:	142	Resp:	157377
Ion Ratio	Lower	Upper	
142	100		
127	39.0	32.1	48.1
141	14.2	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





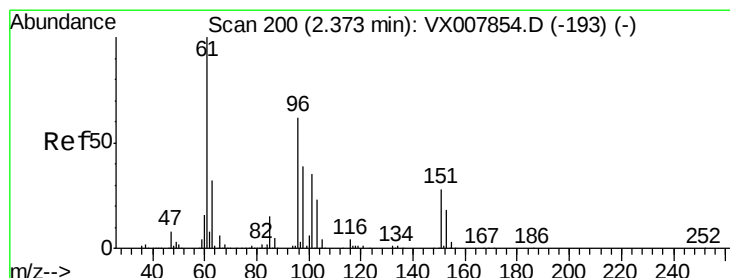
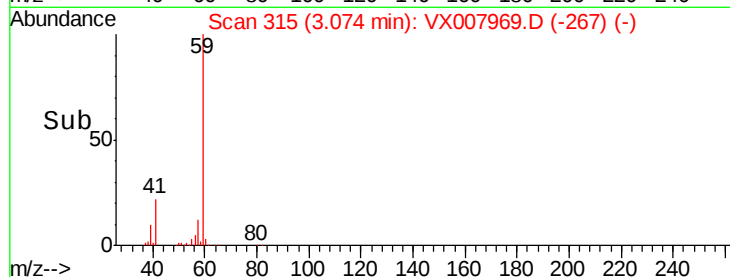
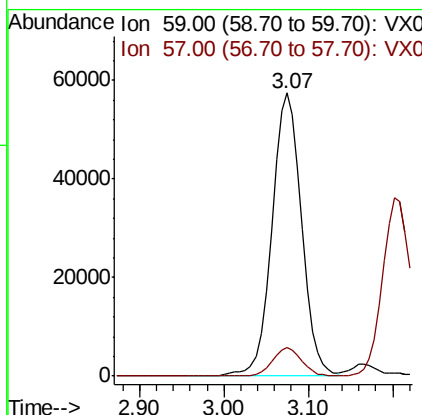
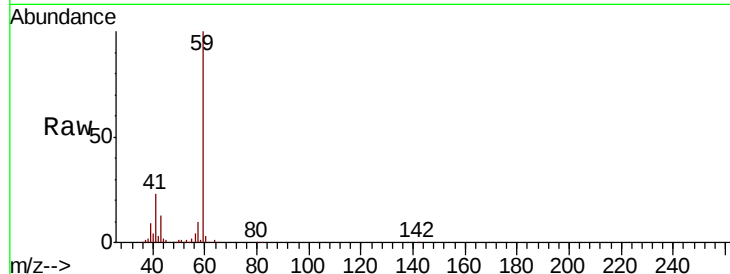
#11
Tert butyl alcohol
Concen: 221.191 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 139905
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2

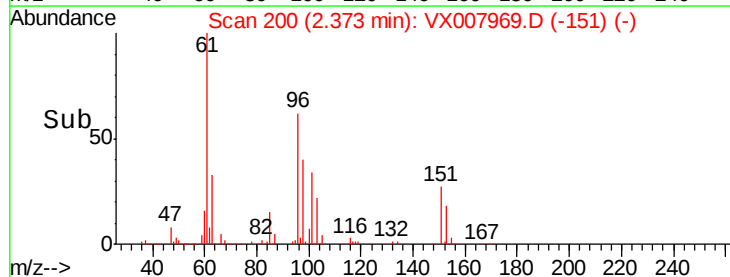
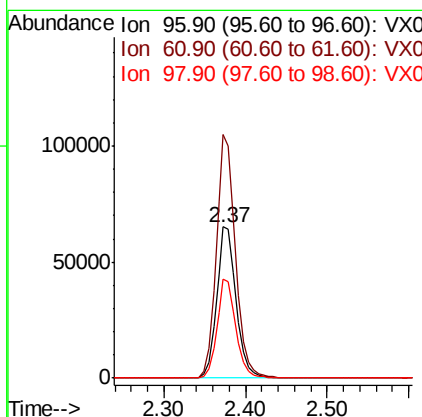
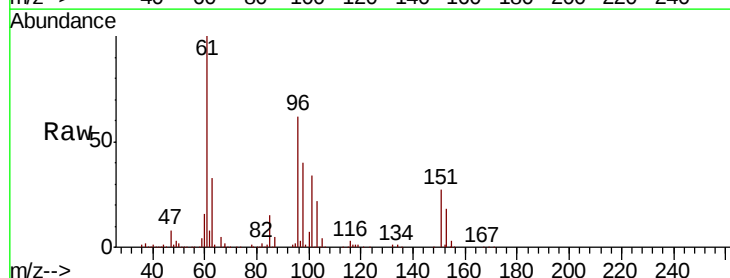
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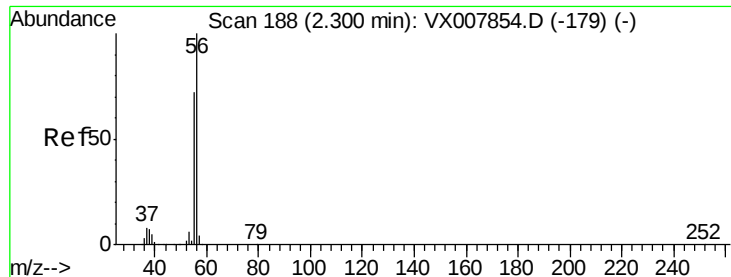
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.587 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion: 96 Resp: 108553
Ion Ratio Lower Upper
96 100
61 160.8 129.8 194.6
98 65.0 51.0 76.6





#13

Acrolein

Concen: 259.256 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 92819

Ion Ratio Lower Upper

56 100

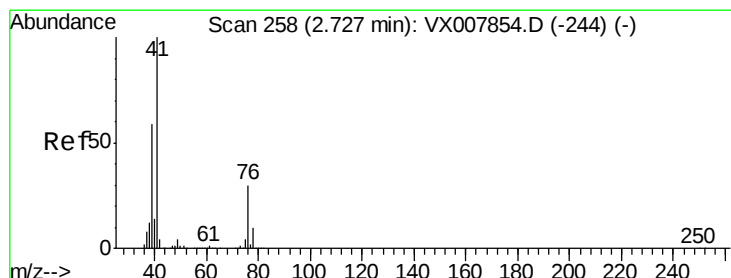
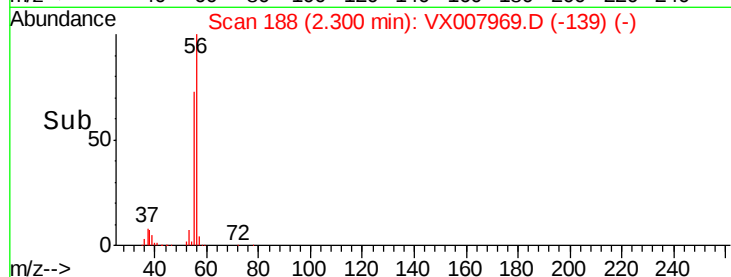
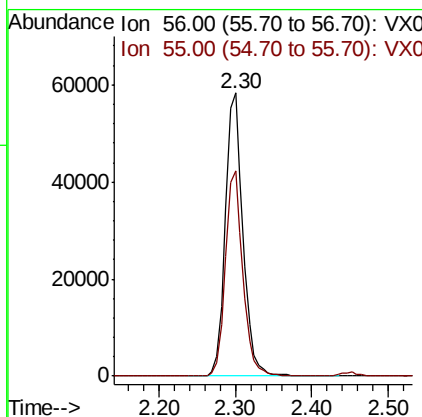
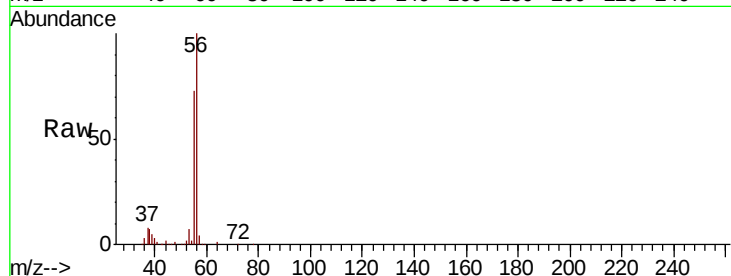
55 71.7 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.650 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

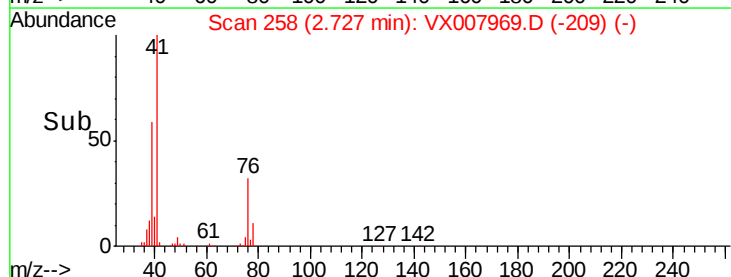
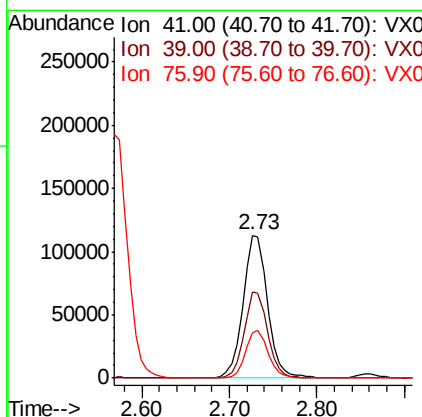
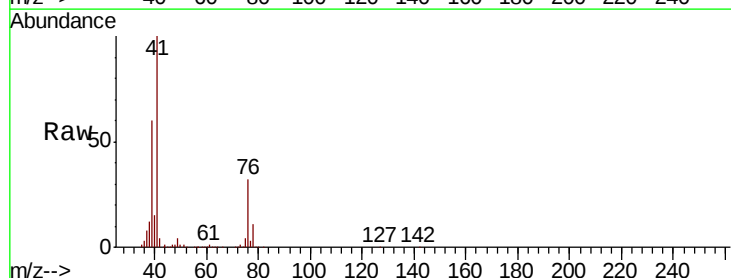
Tgt Ion: 41 Resp: 218818

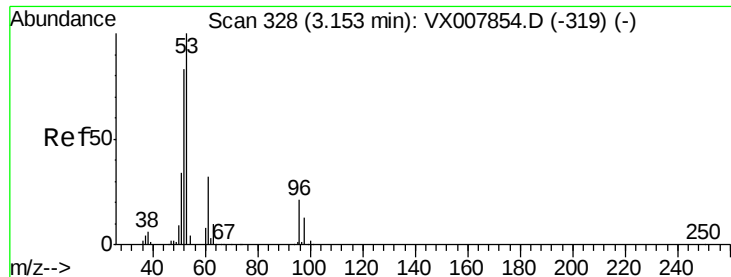
Ion Ratio Lower Upper

41 100

39 57.6 46.1 69.1

76 30.9 24.0 36.0





#15

Acrylonitrile

Concen: 222.291 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

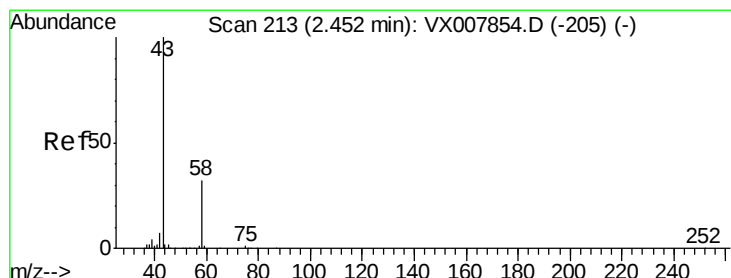
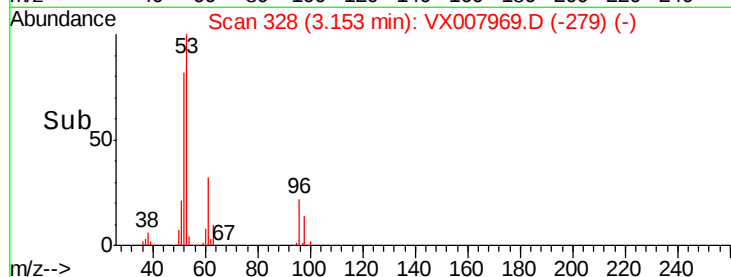
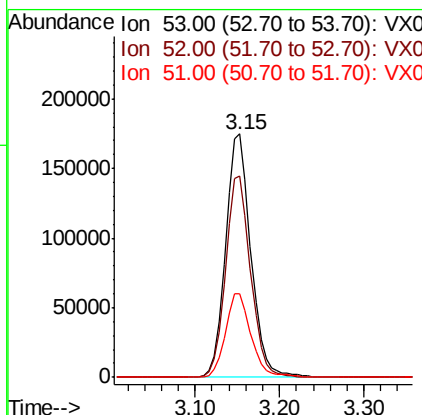
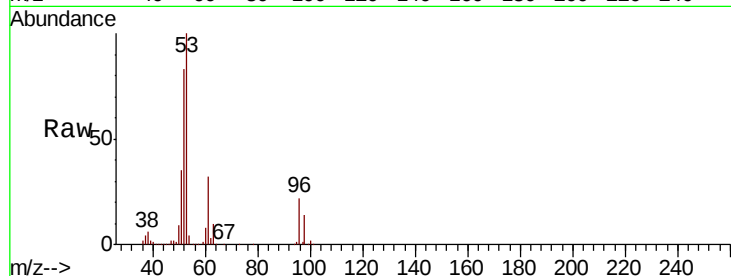
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	354891
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.0	99.0
51	35.3	28.0	42.0

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#16

Acetone

Concen: 220.702 ug/l

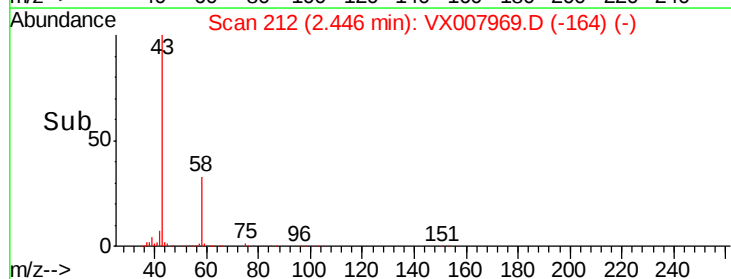
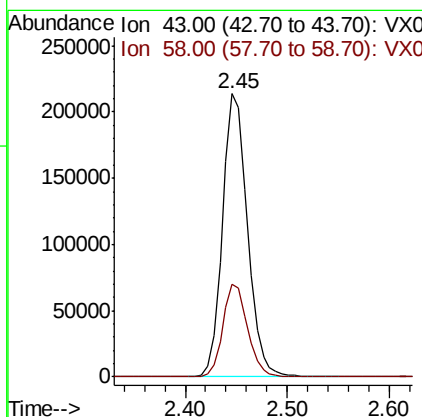
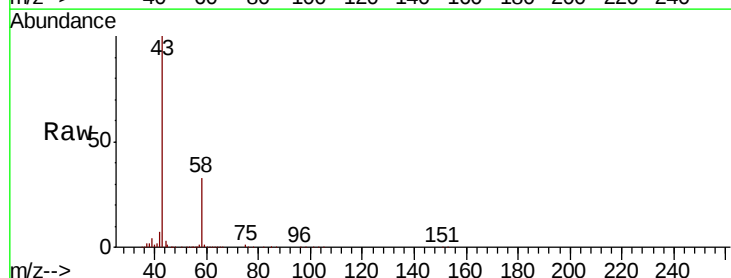
RT: 2.45 min Scan# 212

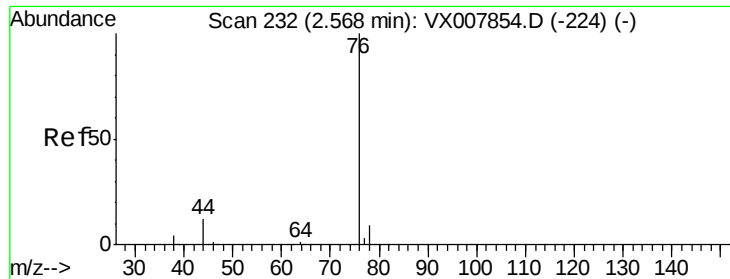
Delta R.T. -0.01 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Tgt Ion:	43	Resp:	361301
Ion Ratio		Lower	Upper
43	100		
58	32.9	25.5	38.3





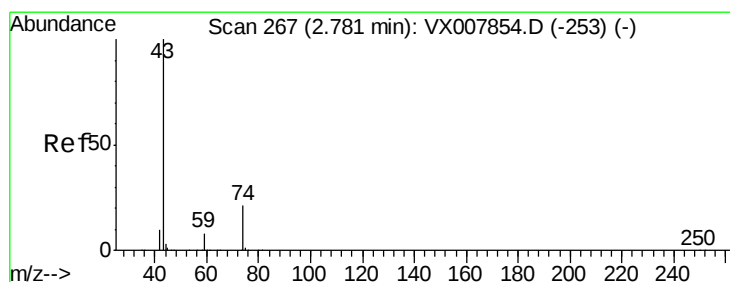
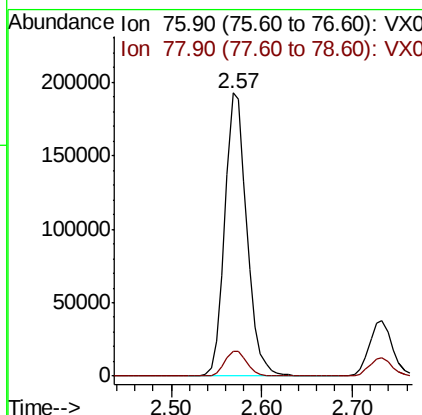
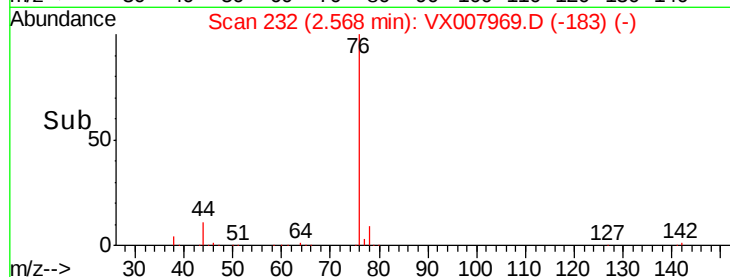
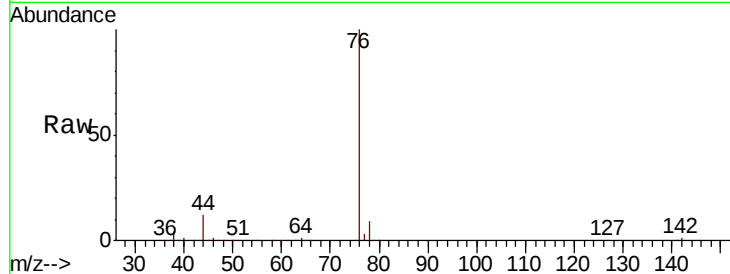
#17
Carbon Disulfide
Concen: 47.008 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 325821
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

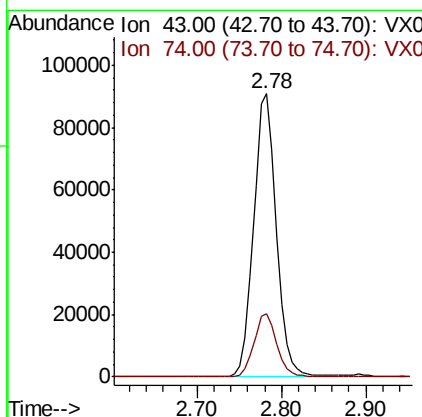
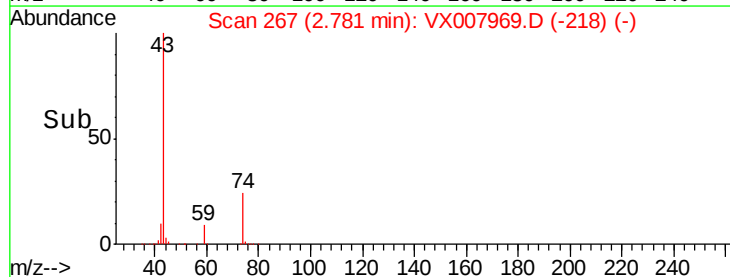
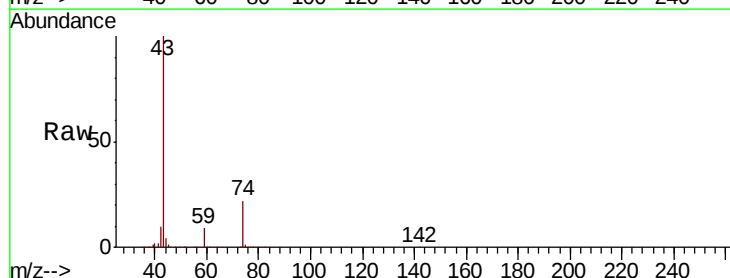
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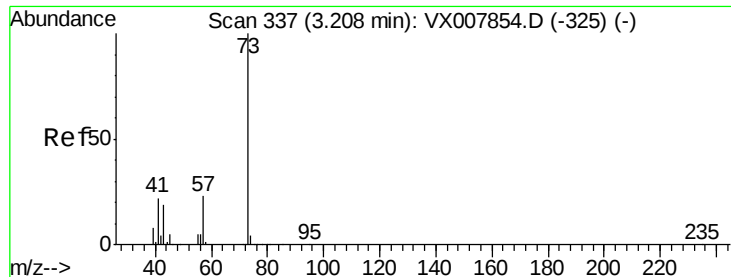
MMDadoda
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#18
Methyl Acetate
Concen: 47.682 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion: 43 Resp: 165830
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.6





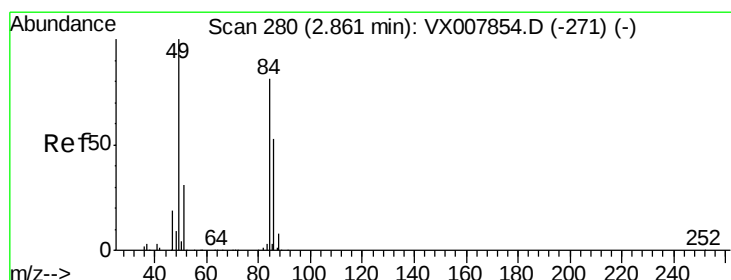
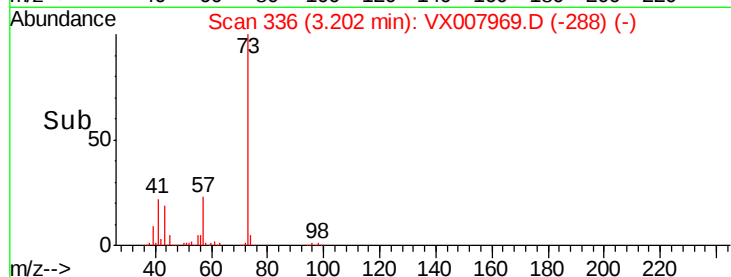
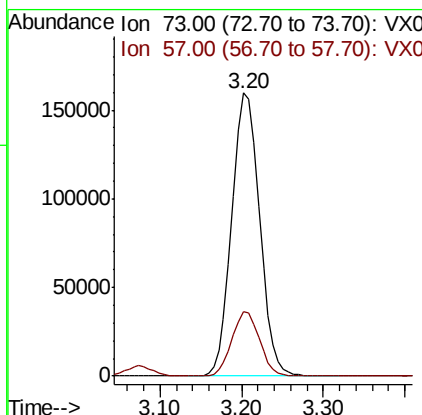
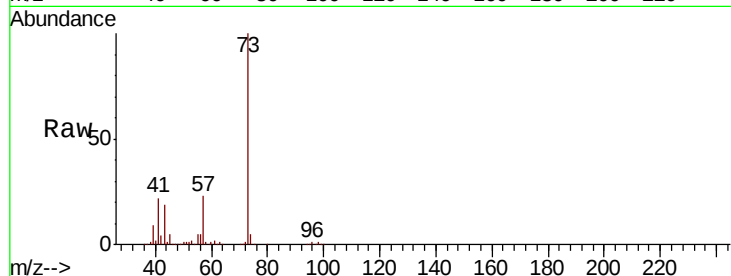
#19
Methyl tert-butyl Ether
Concen: 48.121 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 377635
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4

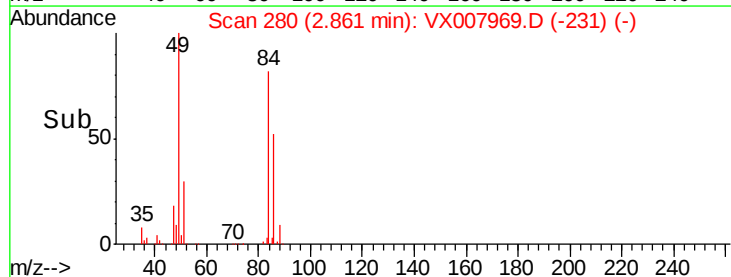
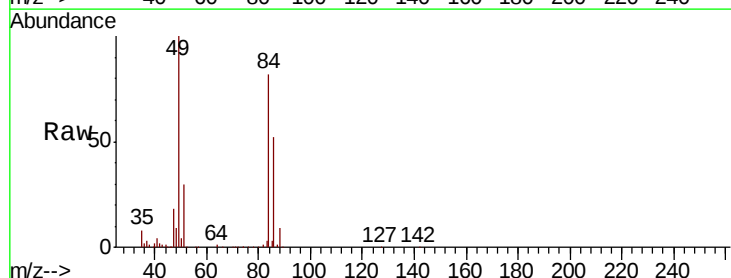
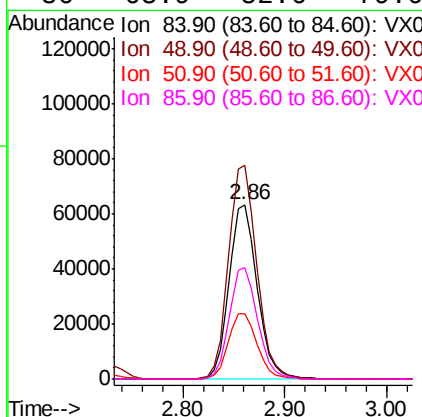
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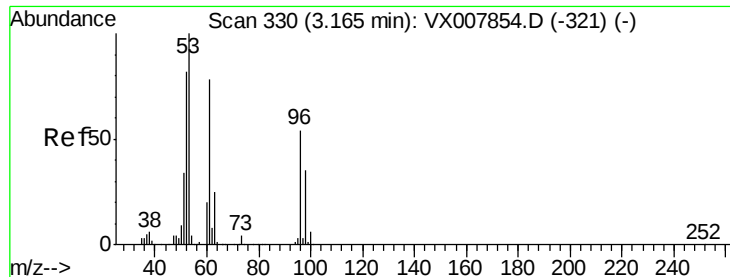
MMDadoda
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#20
Methylene Chloride
Concen: 46.182 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion: 84 Resp: 120321
Ion Ratio Lower Upper
84 100
49 122.4 99.3 148.9
51 37.2 31.3 46.9
86 63.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 46.209 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

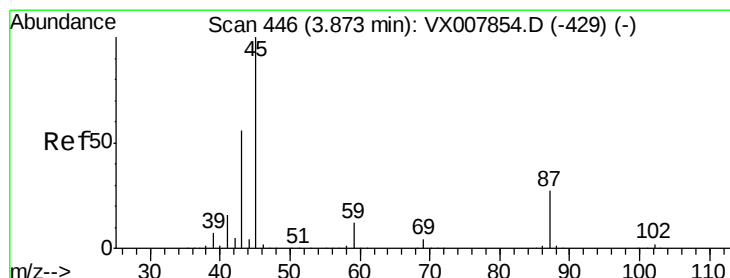
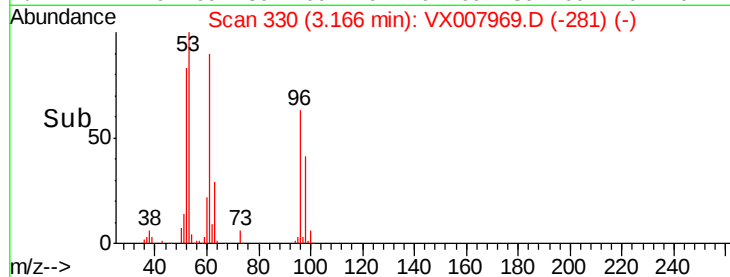
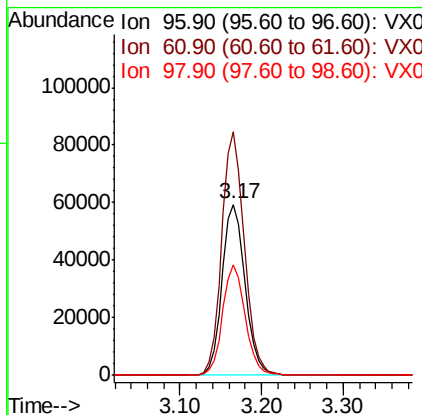
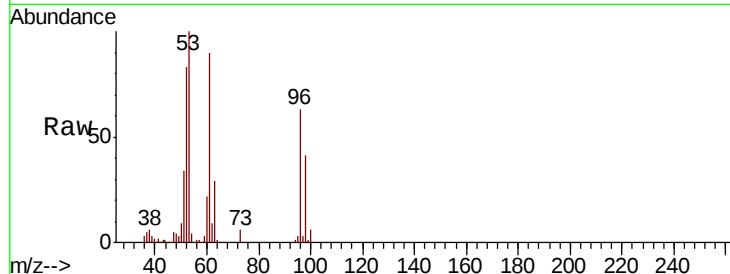
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	115984
Ion Ratio	Lower	Upper	
96	100		
61	142.2	114.4	171.6
98	64.9	51.1	76.7

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#22

Diisopropyl ether

Concen: 45.272 ug/l

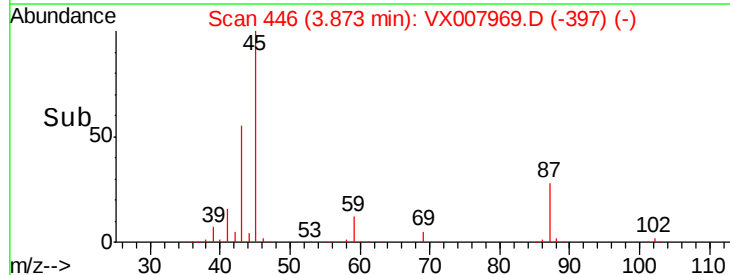
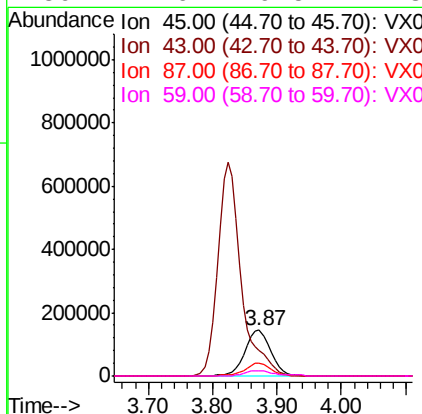
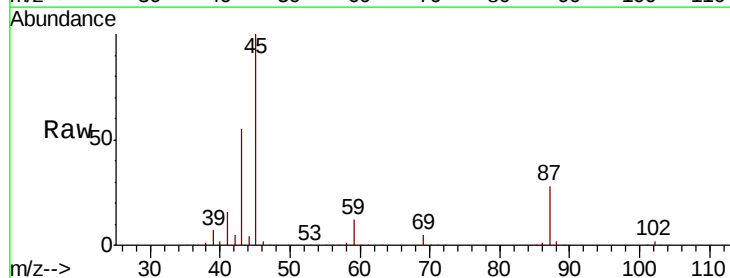
RT: 3.87 min Scan# 446

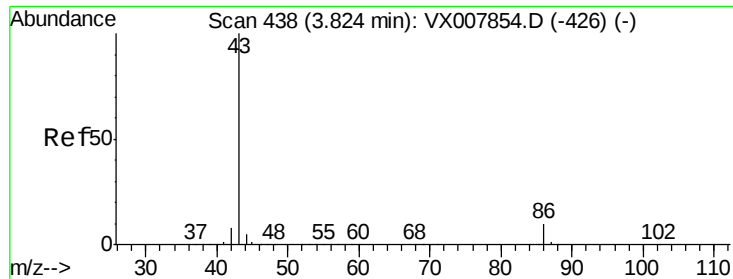
Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Tgt Ion:	45	Resp:	397788
Ion Ratio	Lower	Upper	
45	100		
43	55.3	45.3	67.9
87	27.9	21.4	32.0
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 224.401 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1729080

Ion Ratio Lower Upper

43 100

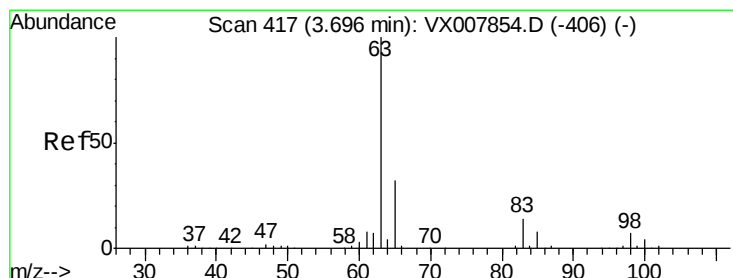
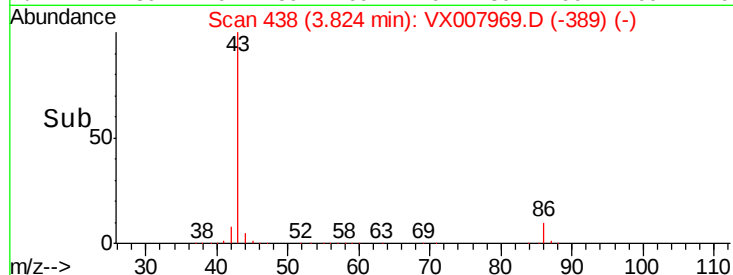
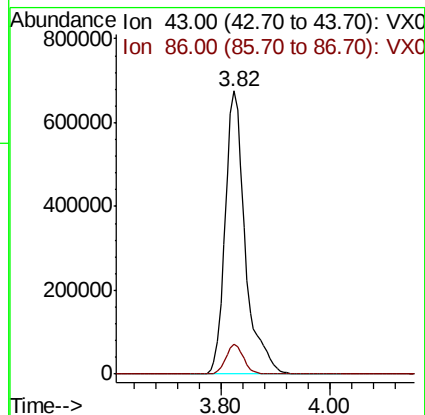
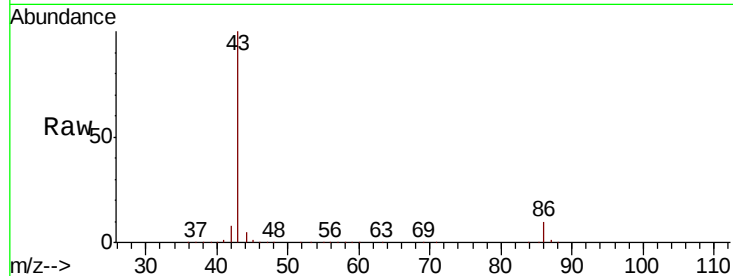
86 10.5 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 46.305 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

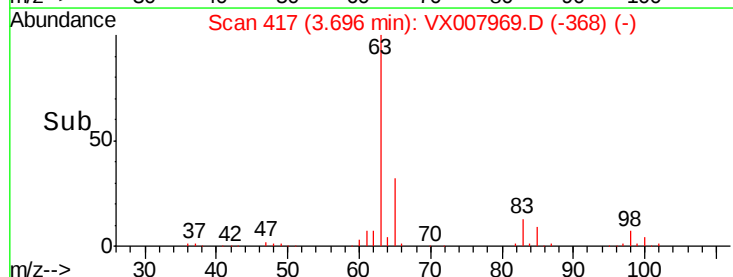
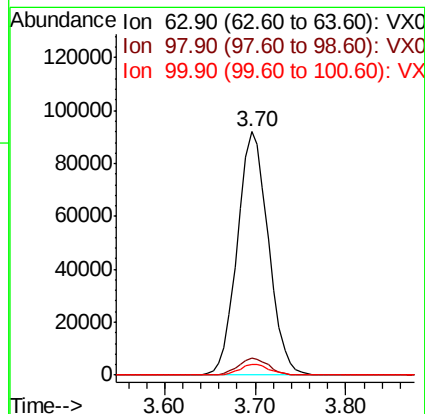
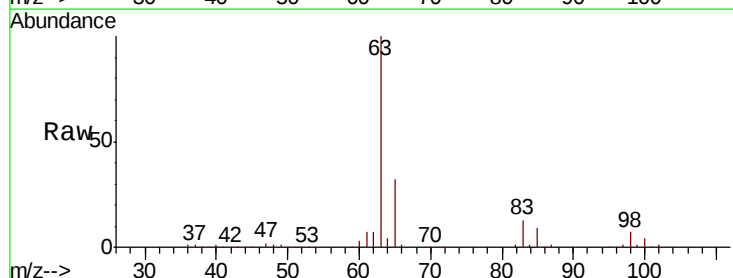
Tgt Ion: 63 Resp: 218954

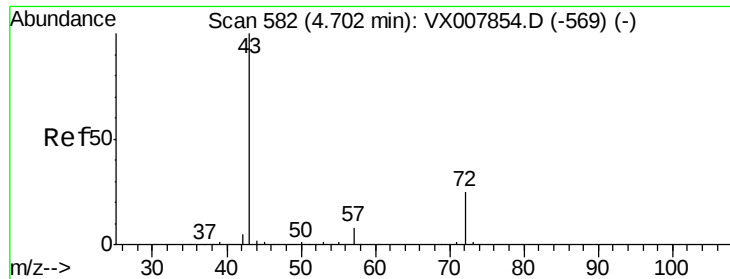
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 219.448 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 508602

Ion Ratio Lower Upper

43 100

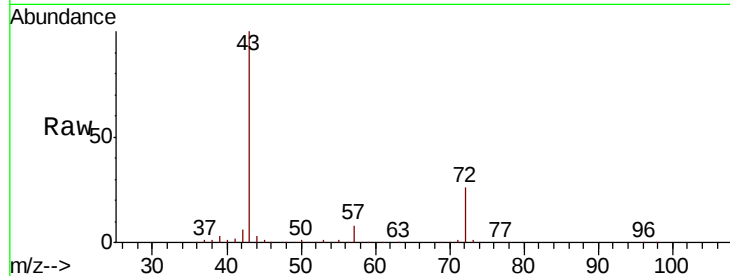
72 26.0 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

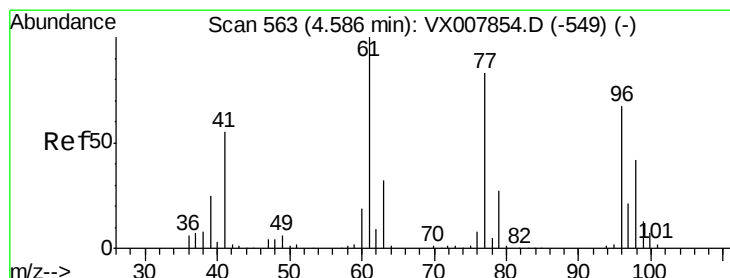
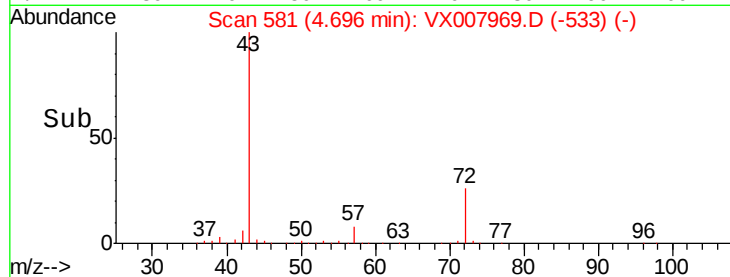
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 50.719 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007969.D

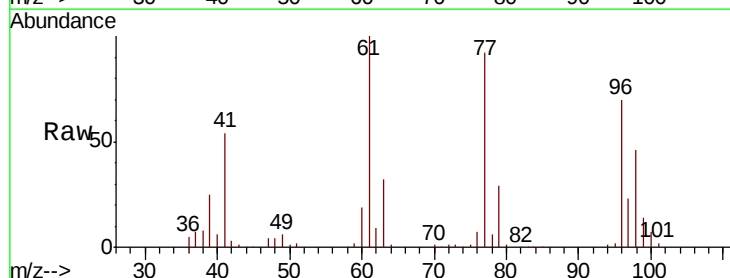
Acq: 11 Mar 2019 14:33

Tgt Ion: 77 Resp: 158890

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

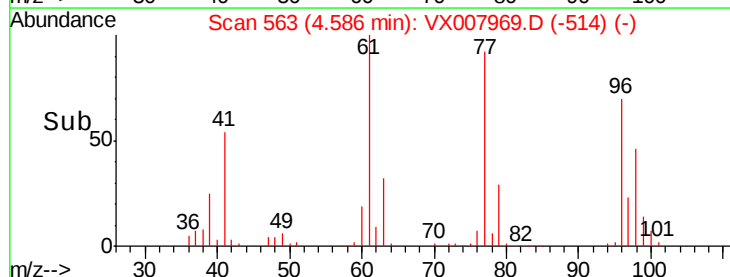
20000

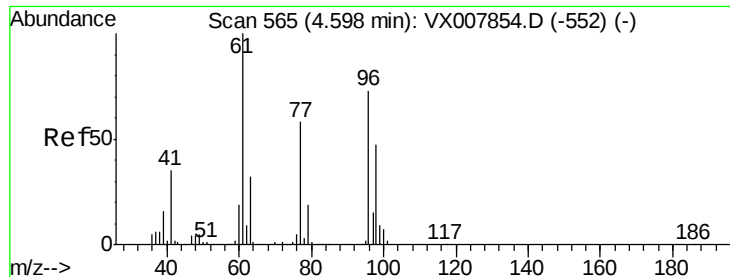
10000

0

4.50 4.60 4.70

Time-->





#27

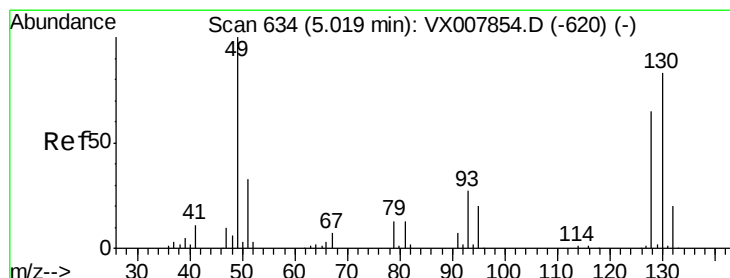
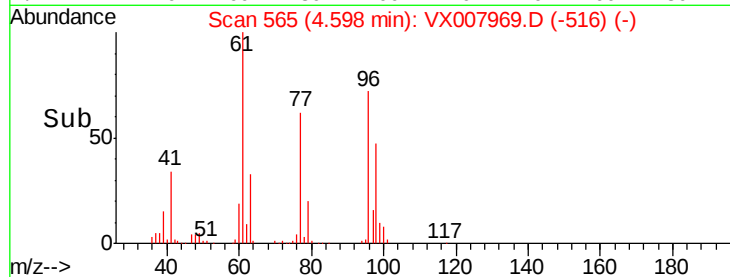
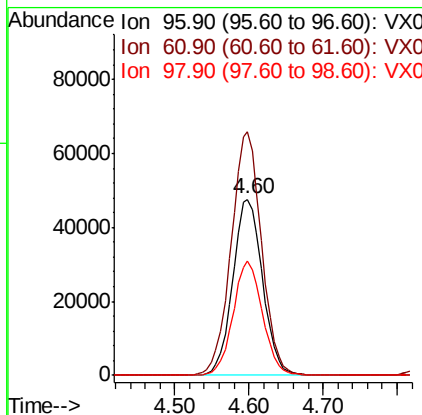
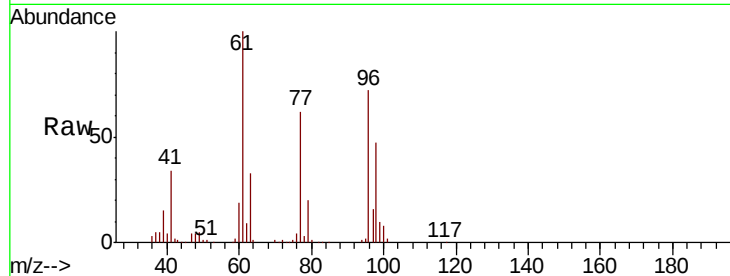
cis-1,2-Dichloroethene
Concen: 46.394 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	133251		
61	141.4	0.0	288.0	
98	64.1	0.0	129.0	

Manual Integrations
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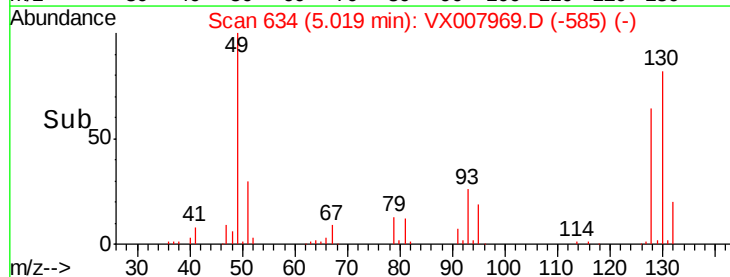
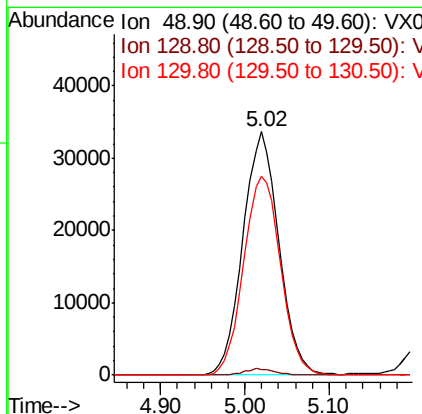
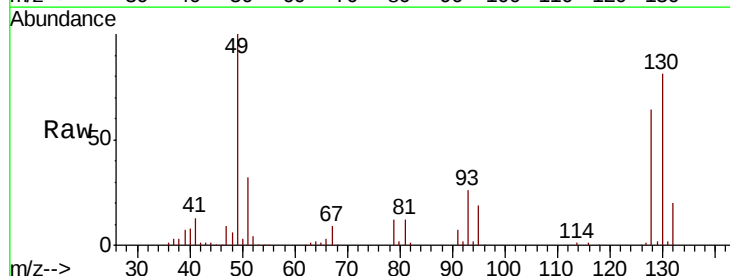
MMDadoda
3/12/2019 2:20:37 PM

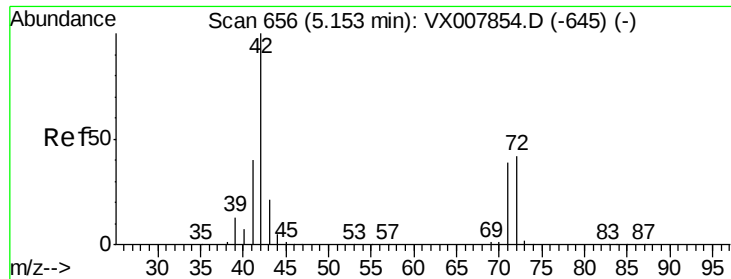


#28

Bromochloromethane
Concen: 44.358 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	97786		
129	2.2	0.0	4.0	
130	83.8	65.0	97.4	





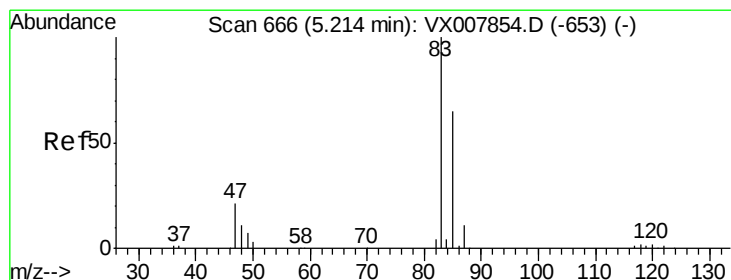
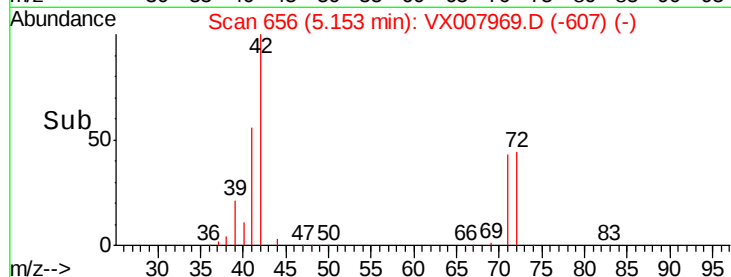
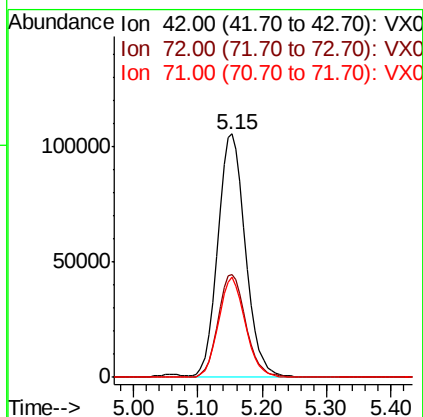
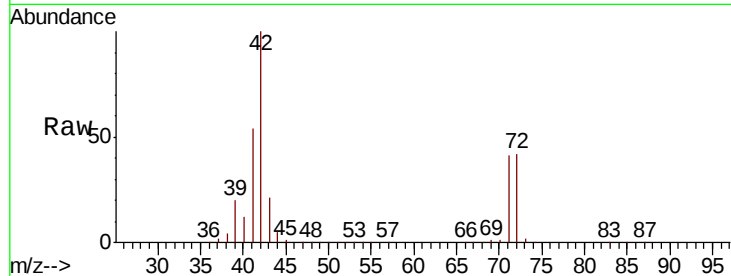
#29
Tetrahydrofuran
Concen: 219.528 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.8	50.6
71	40.2	31.5	47.3

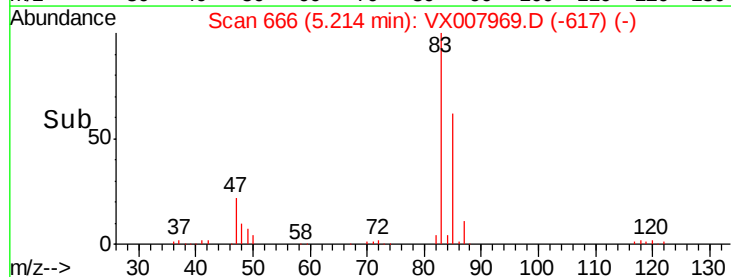
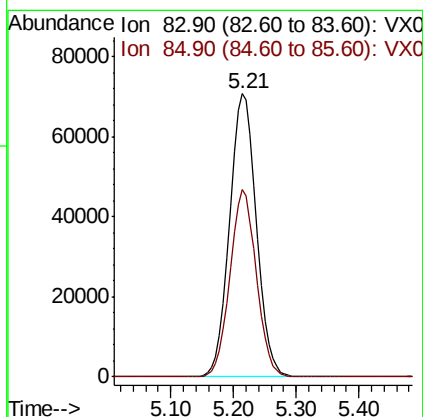
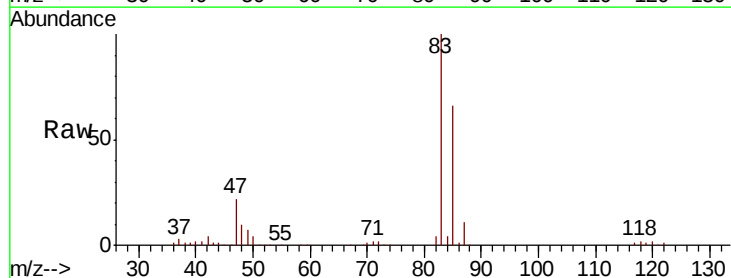
Manual Integrations
APPROVED

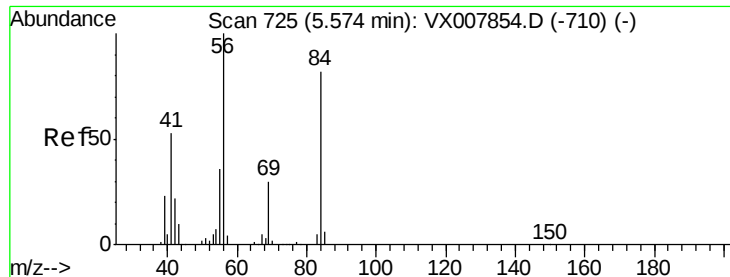
MMDadoda
3/12/2019 2:20:37 PM



#30
Chloroform
Concen: 46.733 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.6





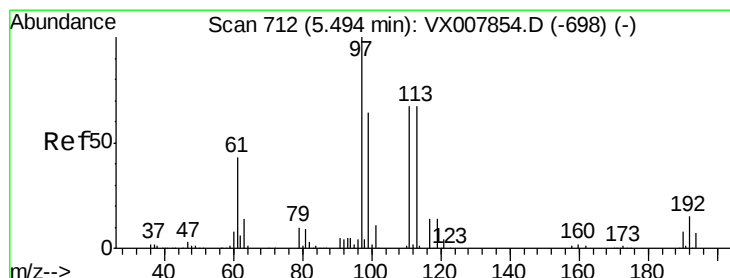
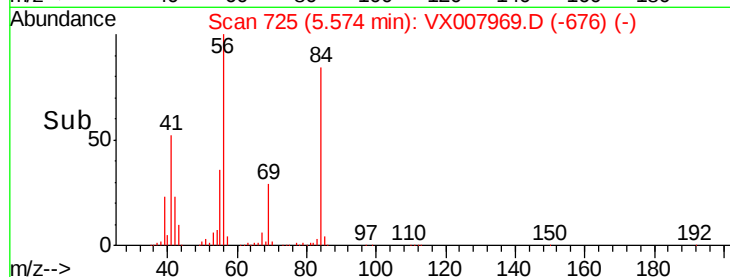
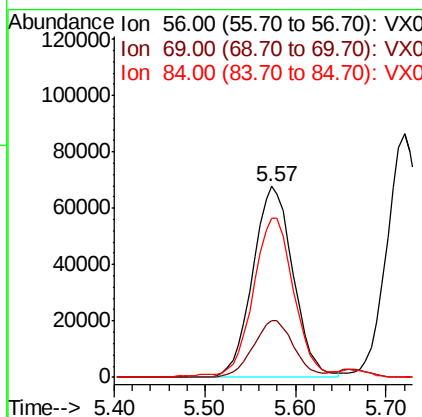
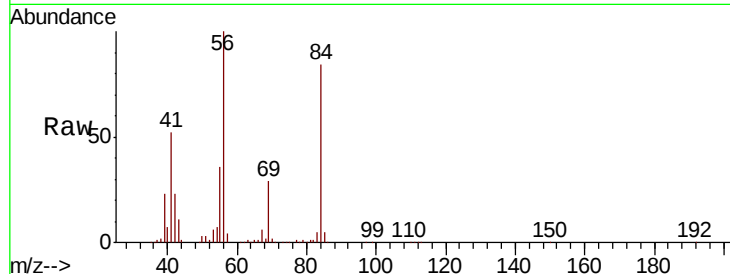
#31
Cyclohexane
Concen: 47.938 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.0	36.0
84	82.5	65.3	97.9

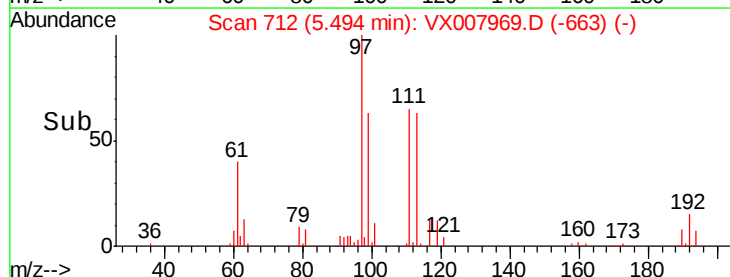
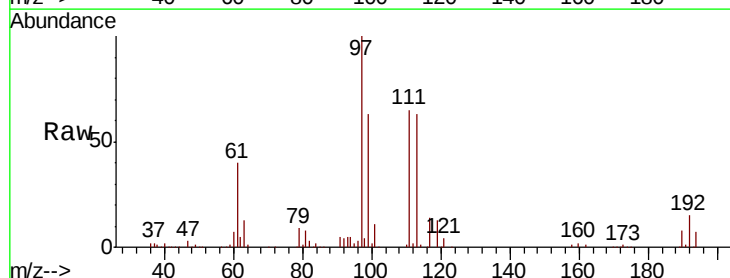
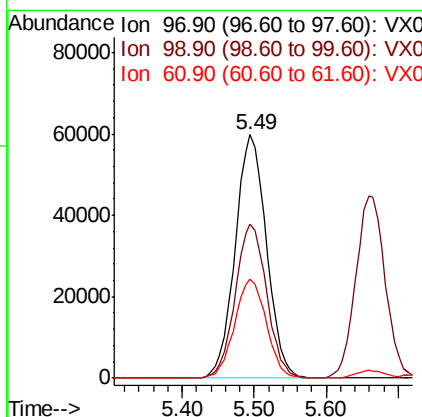
Manual Integrations
APPROVED

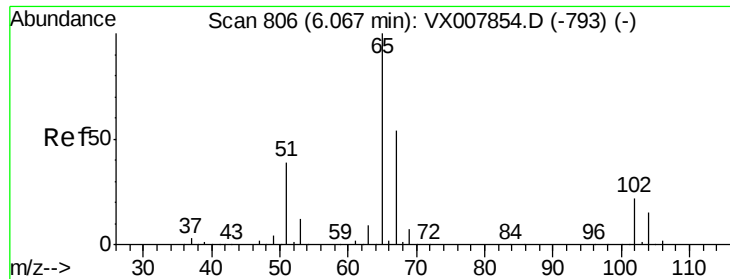
MMDadoda
3/12/2019 2:20:37 PM



#32
1,1,1-Trichloroethane
Concen: 48.521 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.2	78.2
61	41.4	34.9	52.3





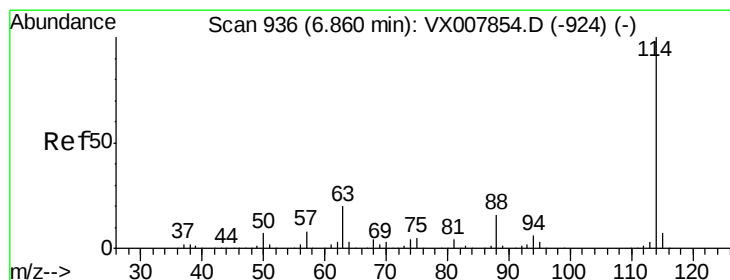
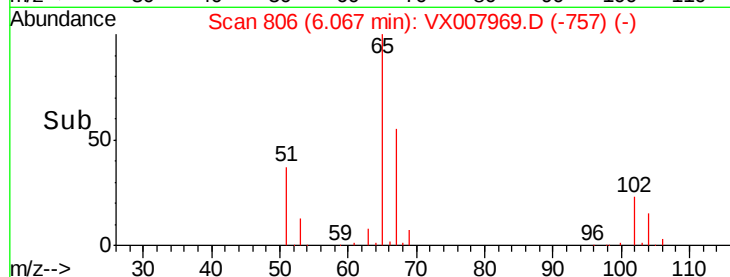
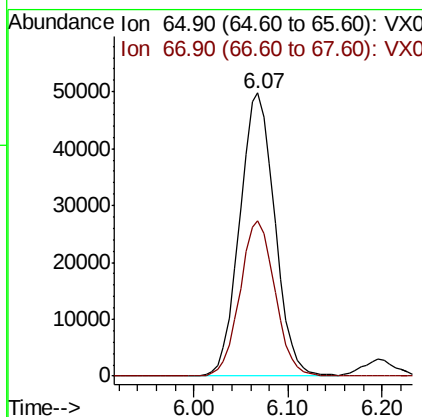
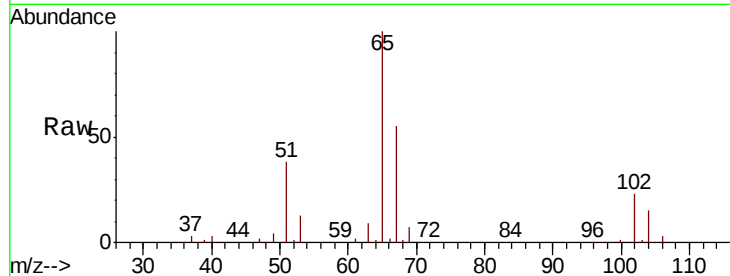
#33
 1,2-Dichloroethane-d4
 Concen: 45.654 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007969.D
 Acq: 11 Mar 2019 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 129123
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.0

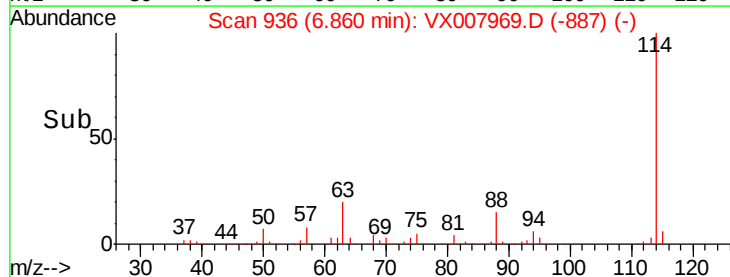
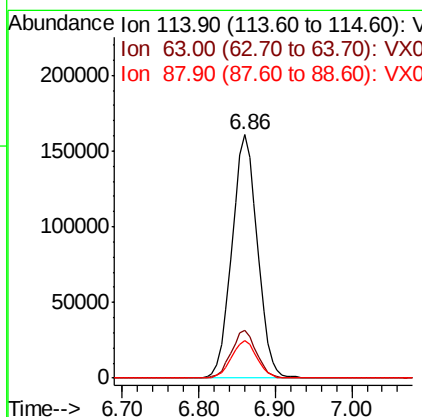
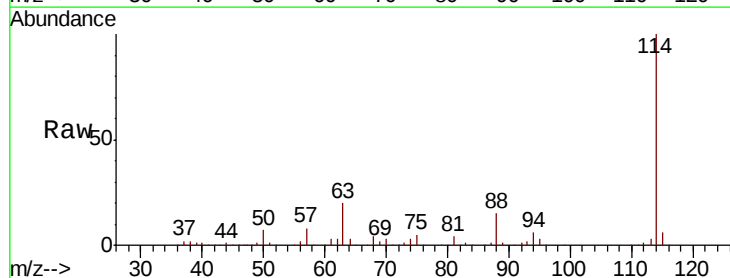
Manual Integrations
 APPROVED

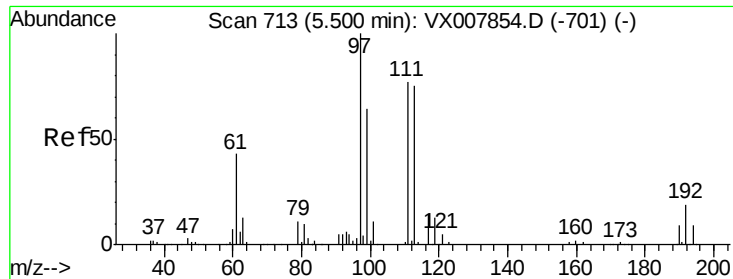
MMDadoda
 3/12/2019 2:20:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007969.D
 Acq: 11 Mar 2019 14:33

Tgt Ion: 114 Resp: 370865
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.3 0.0 31.4





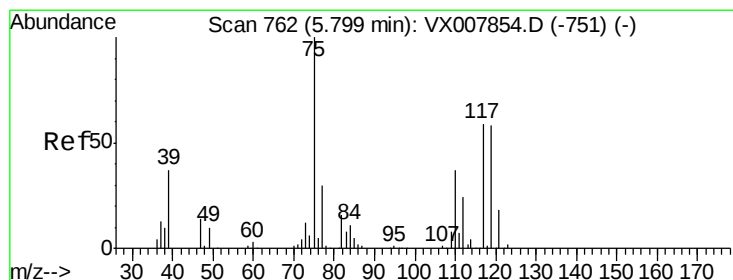
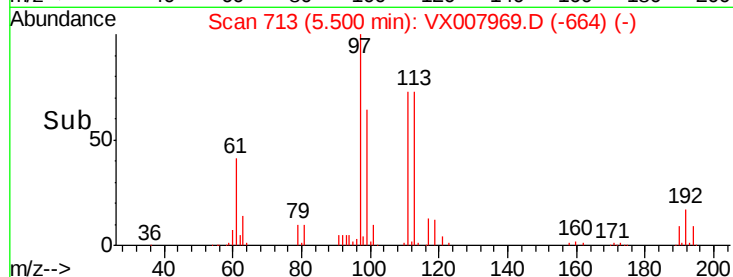
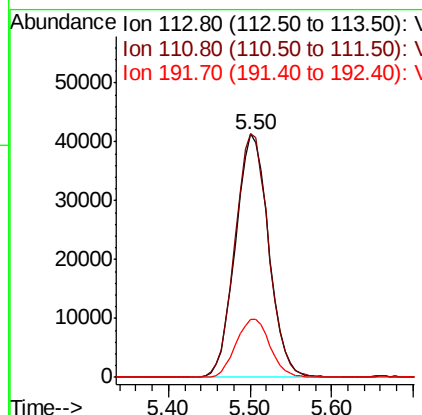
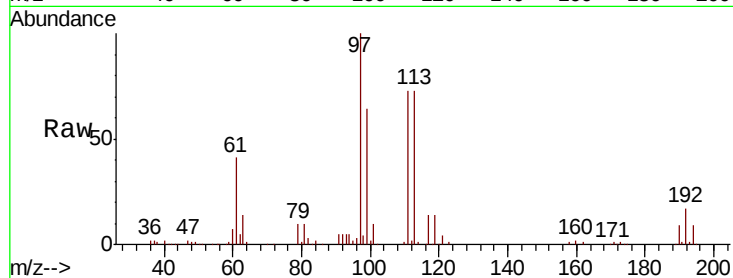
#35
Dibromofluoromethane
Concen: 49.156 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	116613		
111	100.8	81.4	122.0	
192	24.5	19.4	29.0	

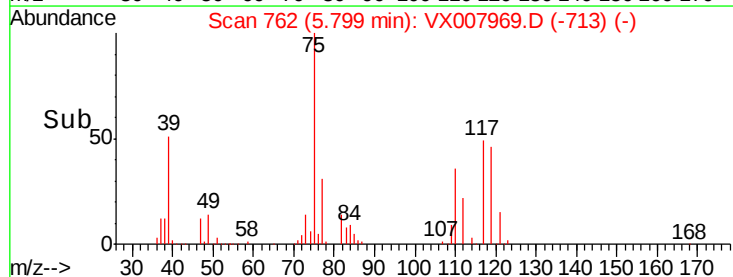
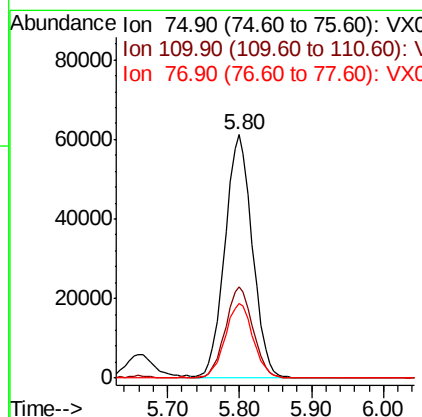
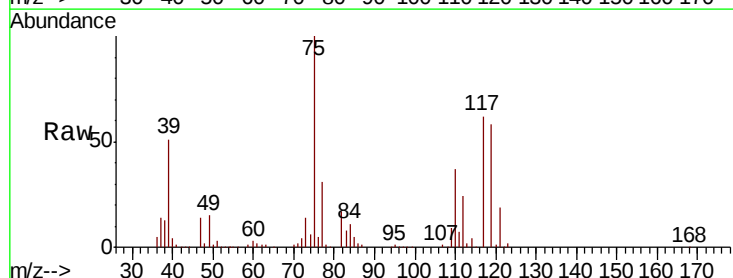
Manual Integrations
APPROVED

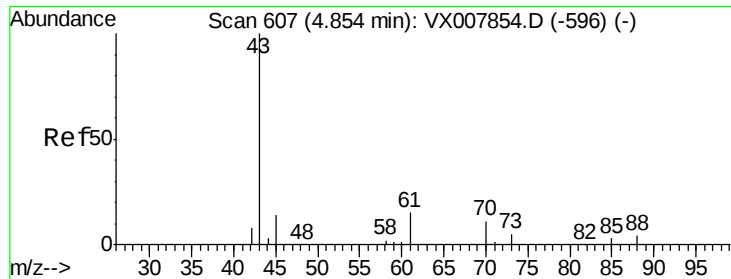
MMDadoda
3/12/2019 2:20:37 PM



#36
1,1-Dichloropropene
Concen: 48.508 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	162896		
110	37.4	18.4	55.0	
77	31.1	25.0	37.4	





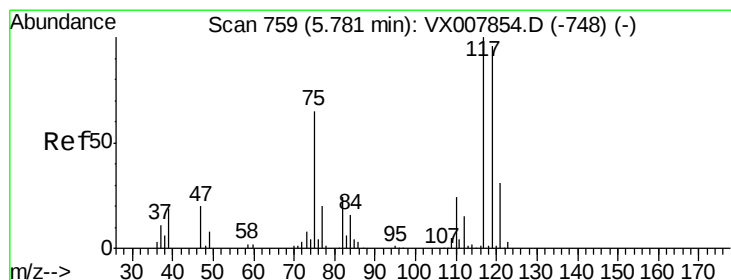
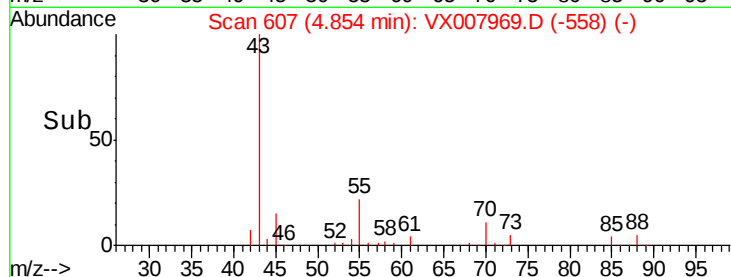
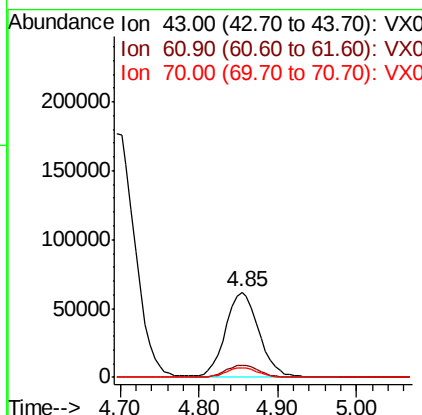
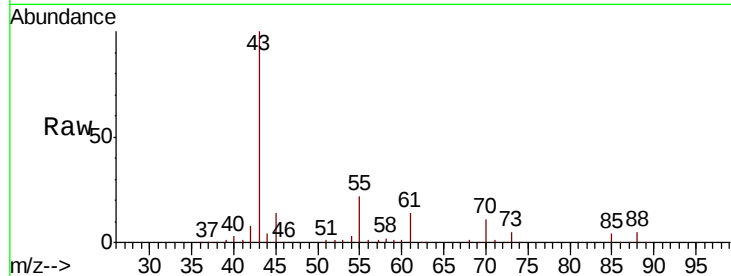
#37
Ethyl Acetate
Concen: 45.520 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	11.0	8.5	12.7

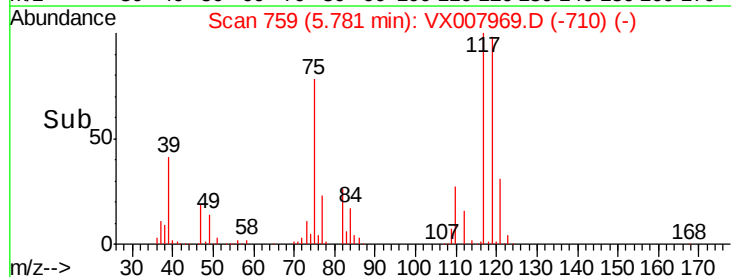
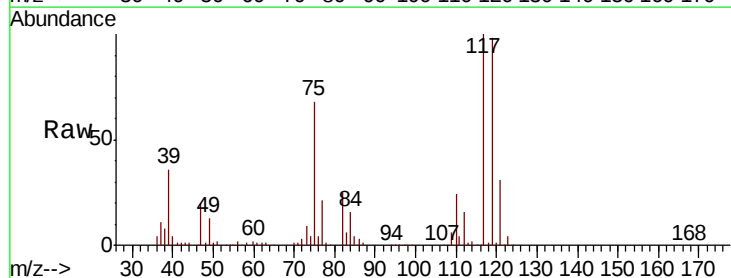
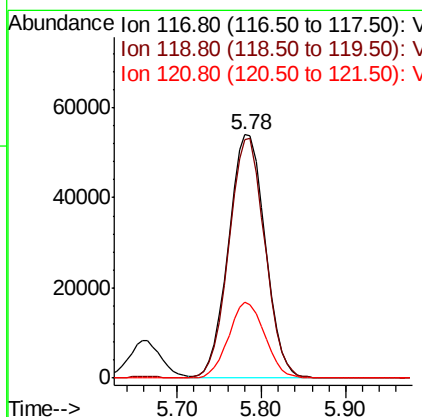
Manual Integrations
APPROVED

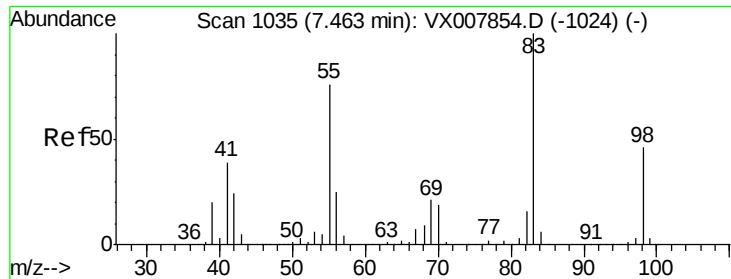
MMDadoda
3/12/2019 2:20:37 PM



#38
Carbon Tetrachloride
Concen: 50.123 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.2
121	31.0	24.6	36.8





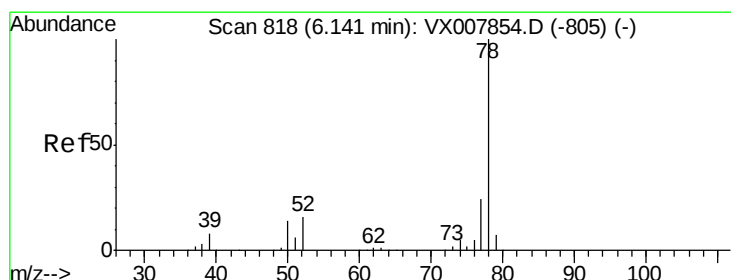
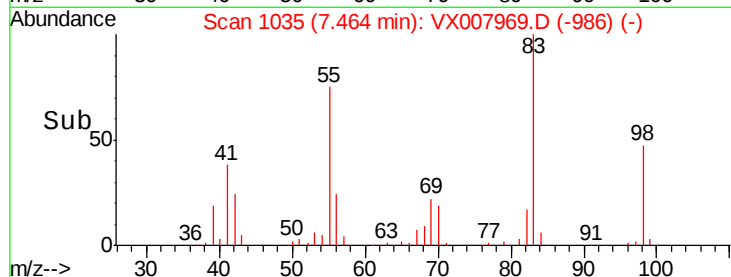
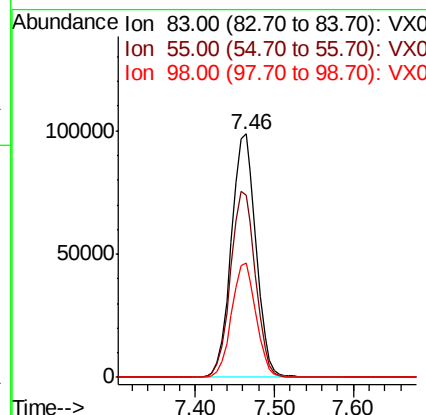
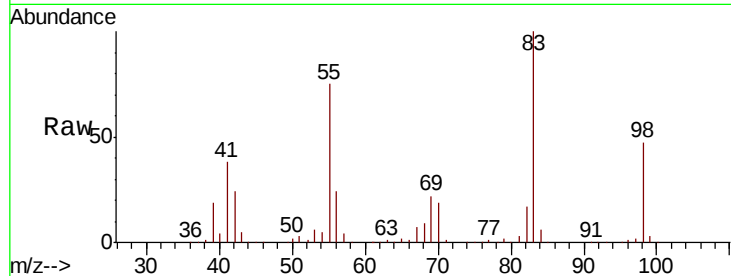
#39
Methylcyclohexane
Concen: 52.781 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	214773		
55	74.9	60.4	90.6	
98	46.7	36.5	54.7	

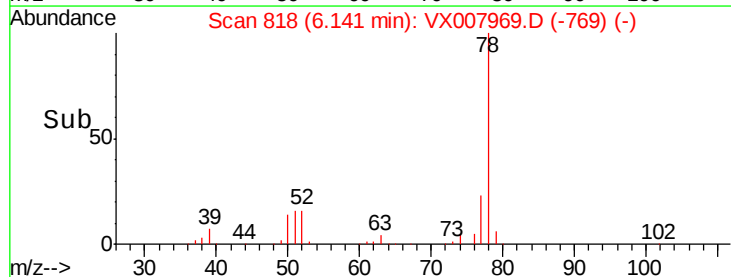
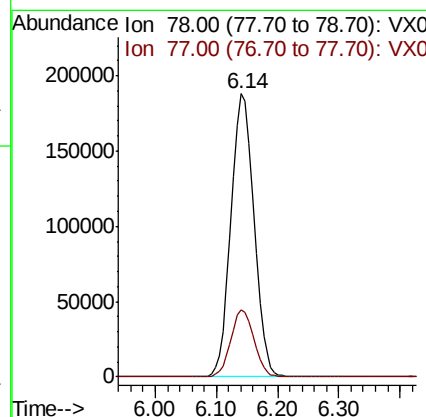
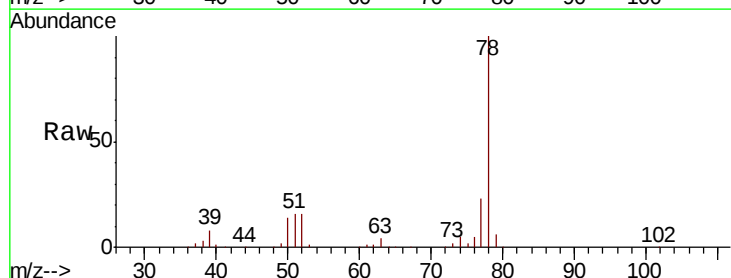
Manual Integrations
APPROVED

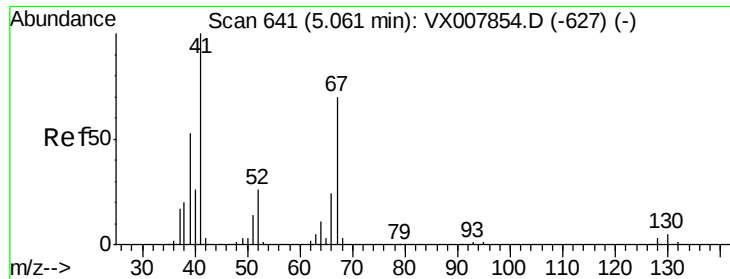
MMDadoda
3/12/2019 2:20:37 PM



#40
Benzene
Concen: 48.881 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	488675		
77	23.5	19.0	28.4	





#41

Methacrylonitrile

Concen: 47.591 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

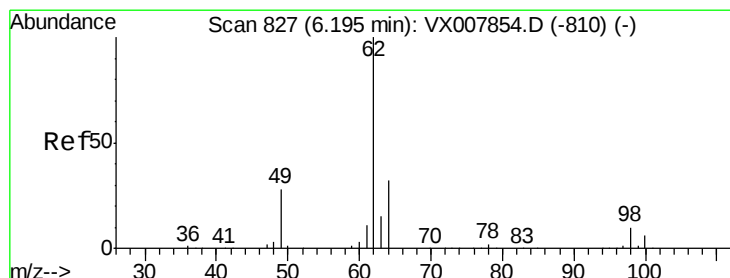
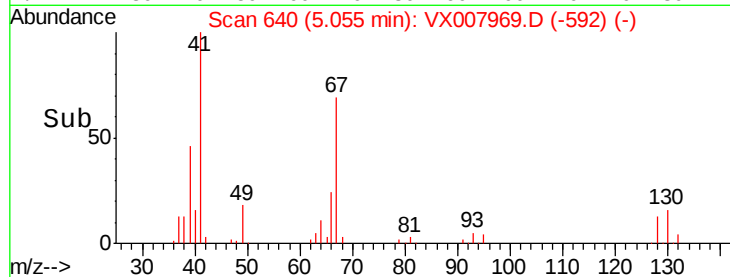
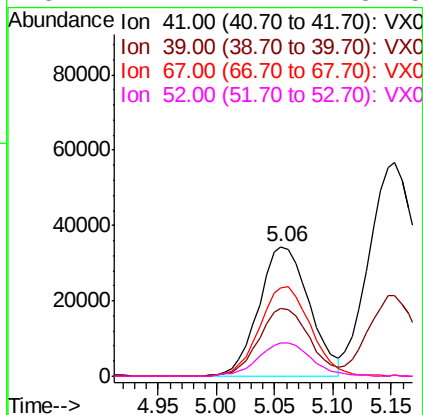
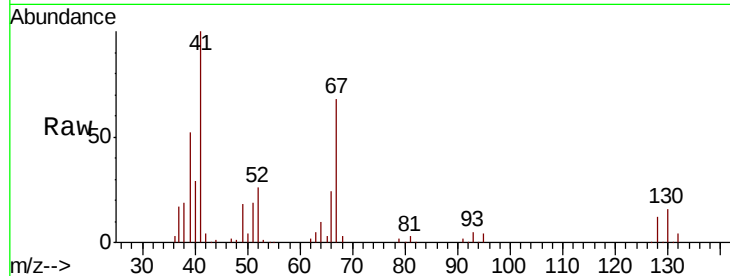
ClientSampled :

VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	41.6	62.4	
67	69.8	55.8	83.6	
52	27.2	21.7	32.5	

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:37 PM



#42

1,2-Dichloroethane

Concen: 47.905 ug/l

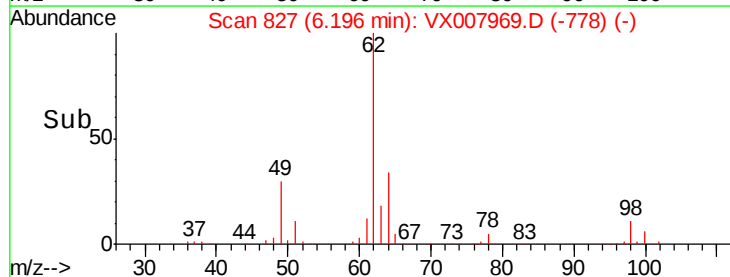
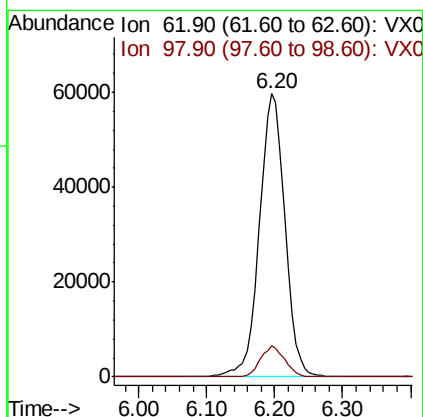
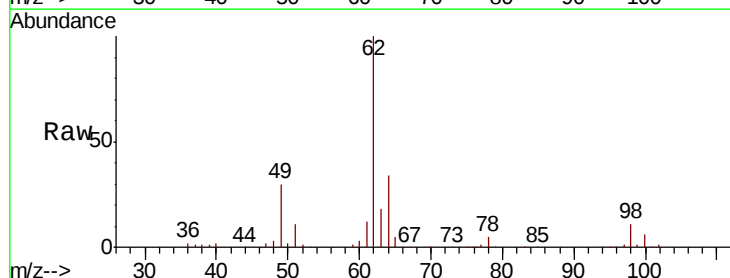
RT: 6.20 min Scan# 827

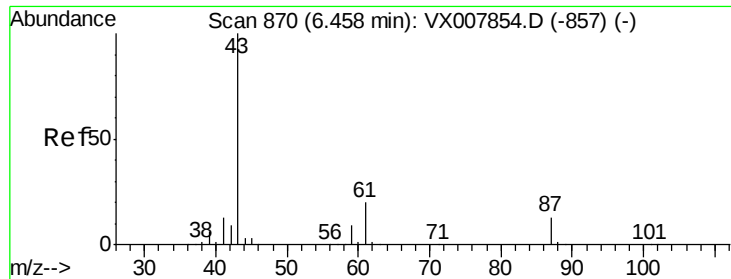
Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.4	





#43

Isopropyl Acetate

Concen: 48.186 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

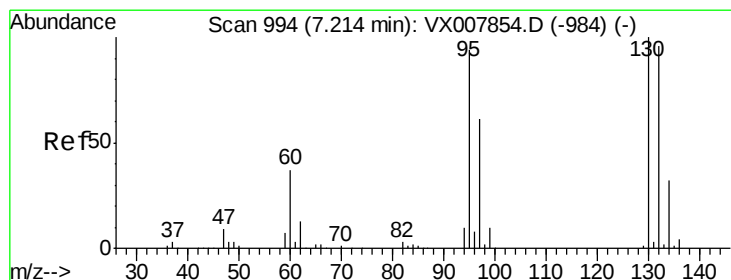
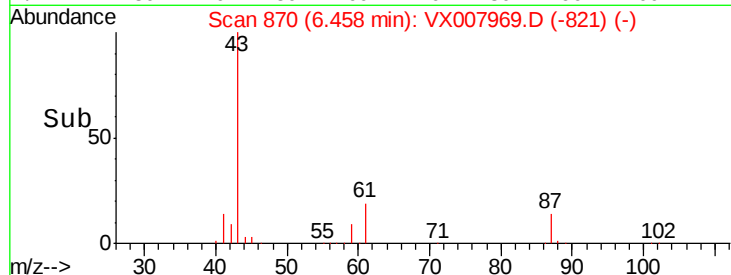
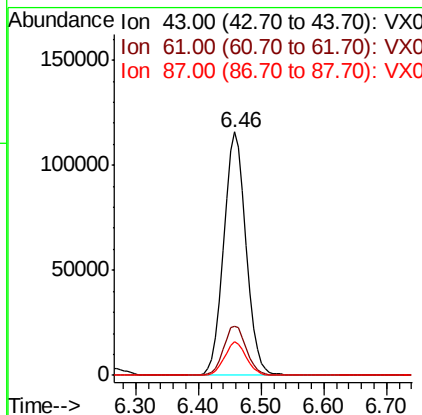
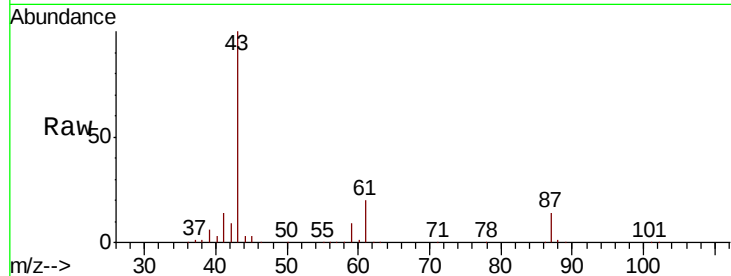
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	284190
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.3	24.5
87	13.6	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 49.950 ug/l

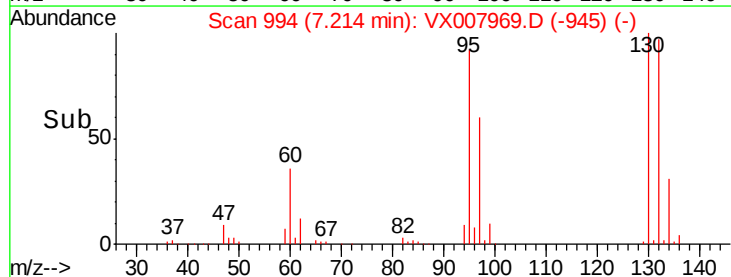
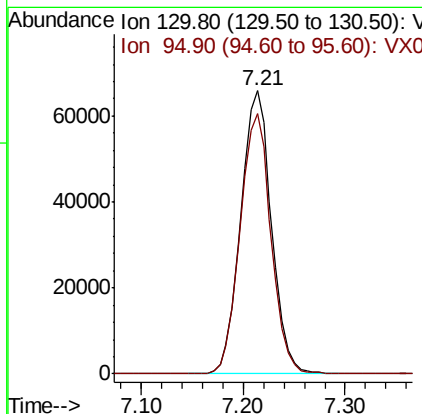
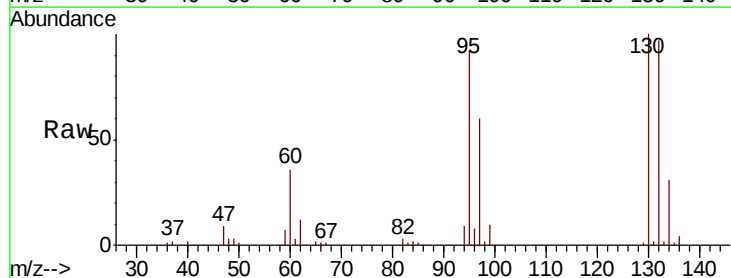
RT: 7.21 min Scan# 994

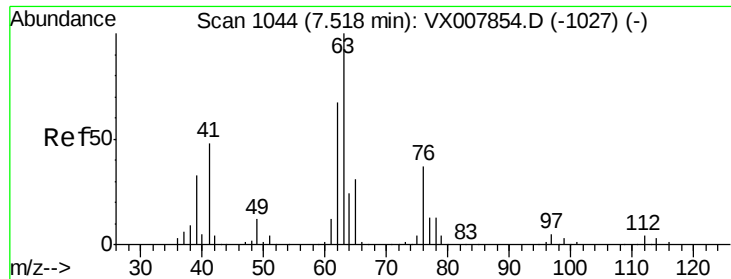
Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Tgt Ion:	130	Resp:	137615
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 49.115 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 129686

Ion Ratio Lower Upper

63 100

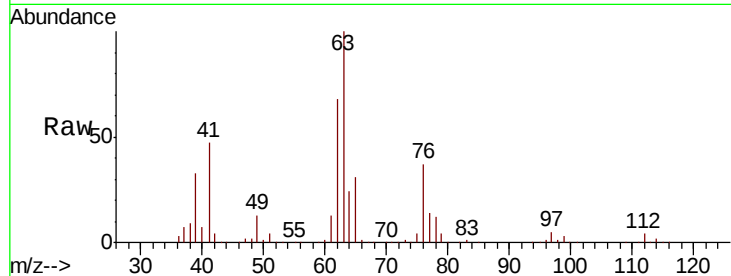
65 30.5 24.7 37.1

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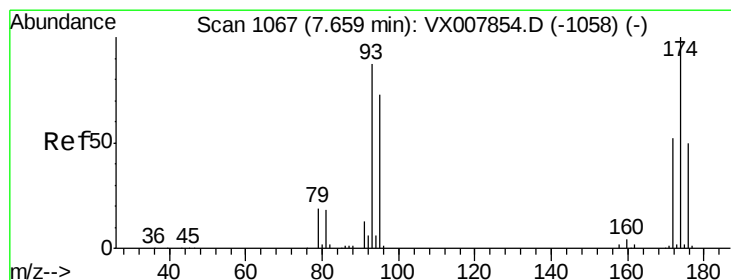
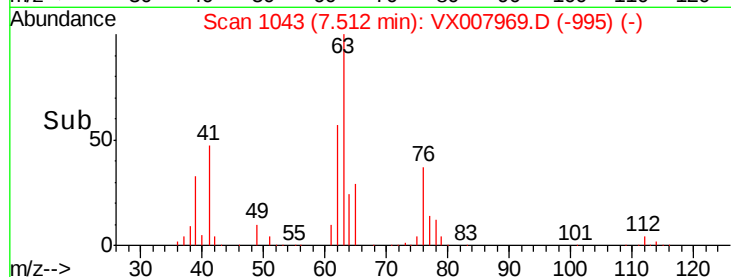
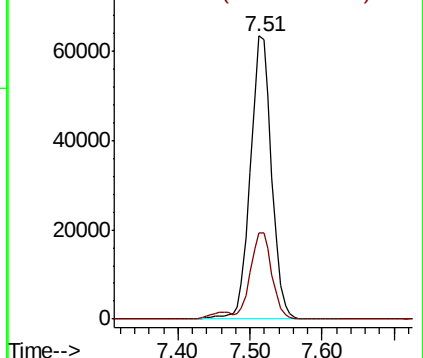
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.851 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

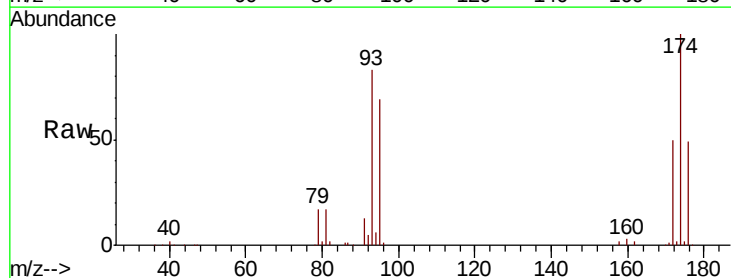
Tgt Ion: 93 Resp: 81631

Ion Ratio Lower Upper

93 100

95 83.8 66.8 100.2

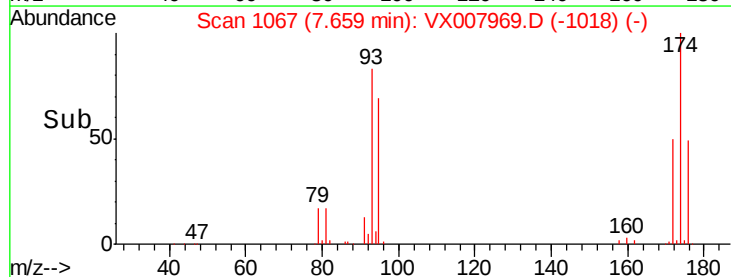
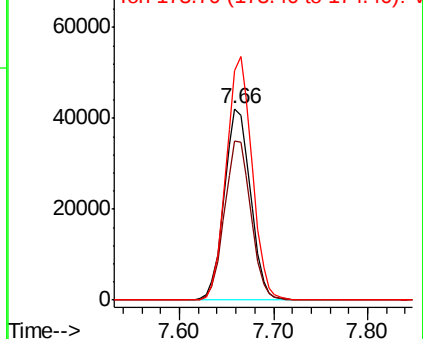
174 125.4 97.3 145.9

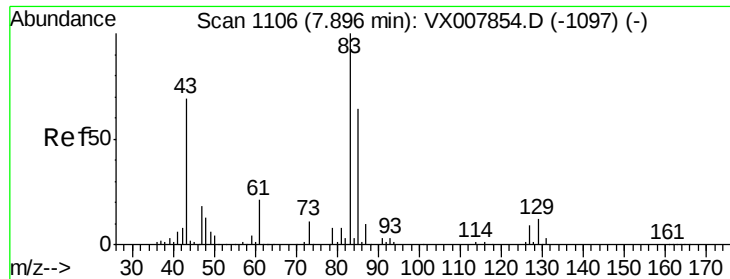


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





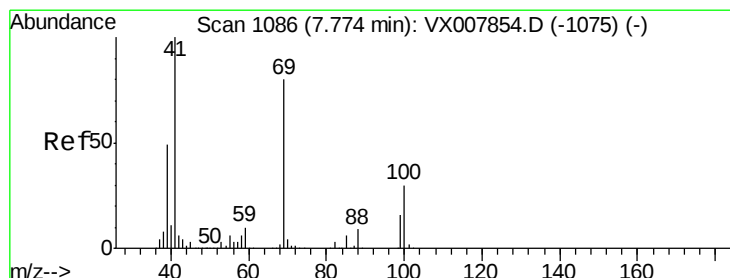
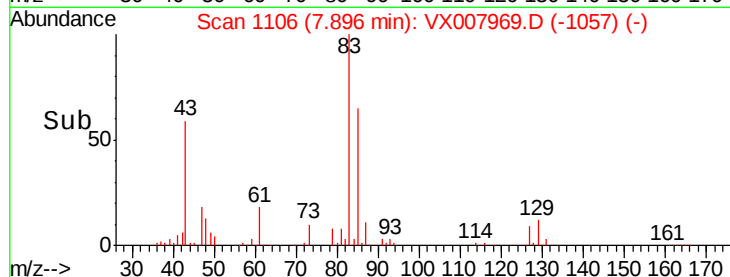
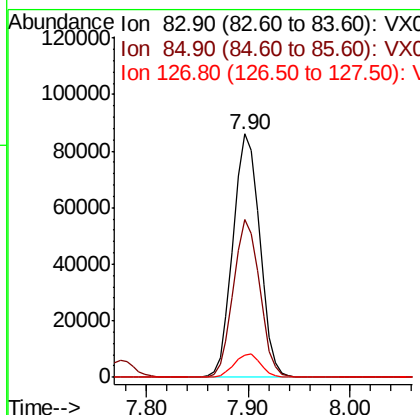
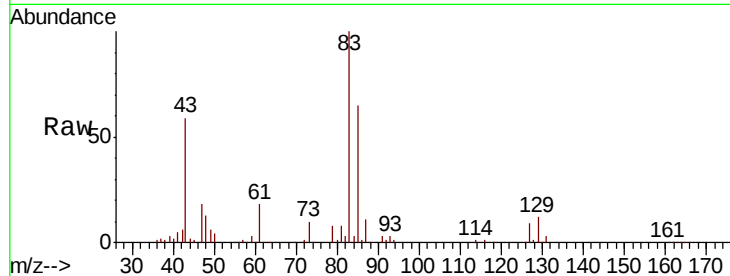
#47
Bromodichloromethane
Concen: 49.361 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	156384		
85	65.0	50.9	76.3	
127	9.4	7.4	11.0	

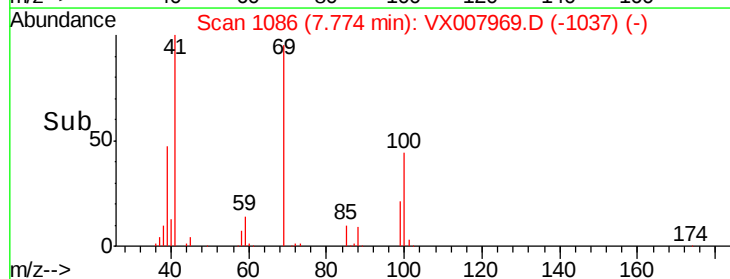
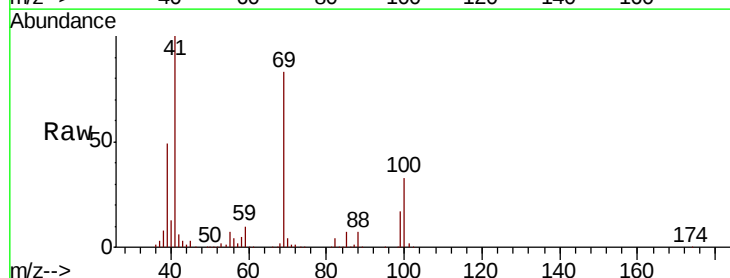
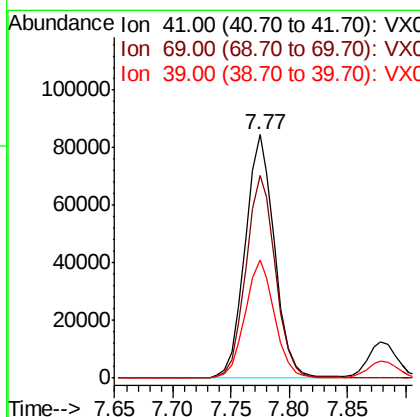
Manual Integrations
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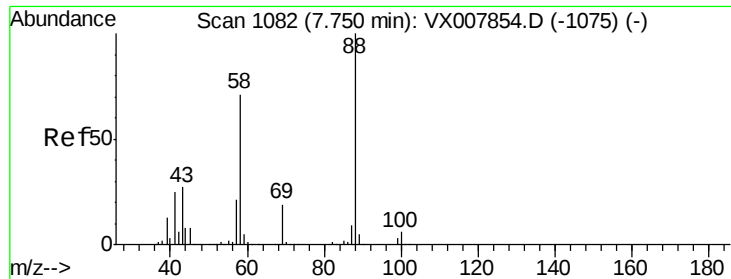
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#48
Methyl methacrylate
Concen: 47.861 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	148406		
69	84.2	65.2	97.8	
39	49.0	39.4	59.2	





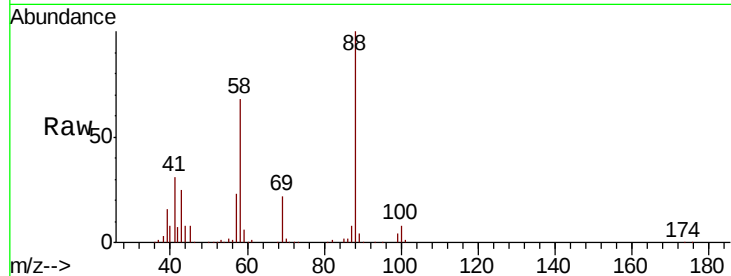
#49
1,4-Dioxane
Concen: 914.439 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

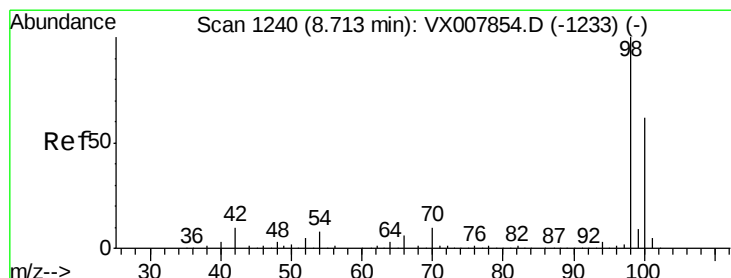
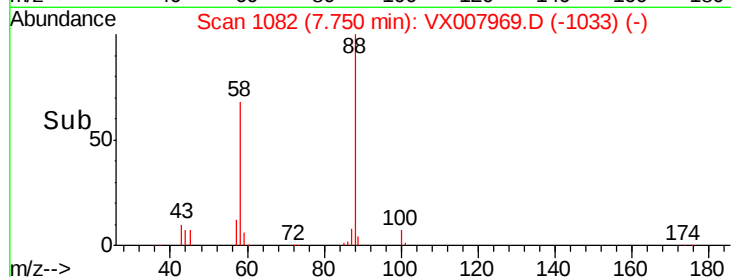
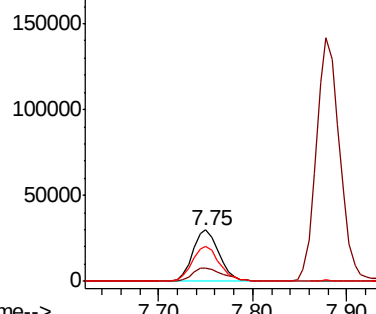
Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.2	25.1	37.7
58	70.4	57.8	86.6

Manual Integrations
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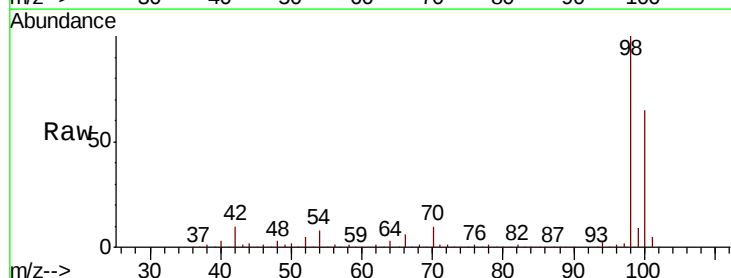


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

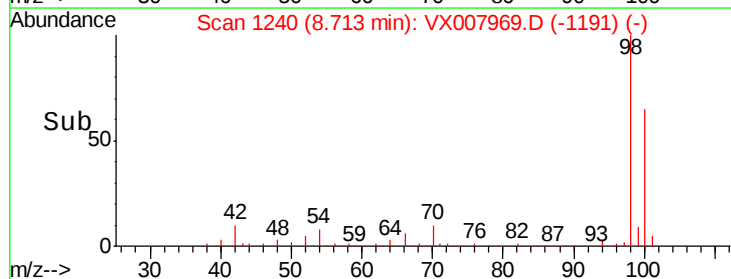
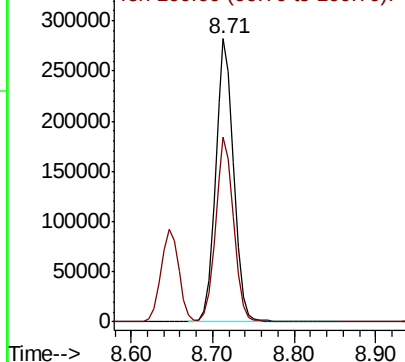


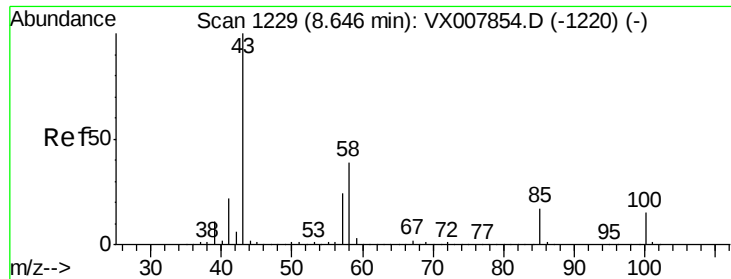
#50
Toluene-d8
Concen: 50.308 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





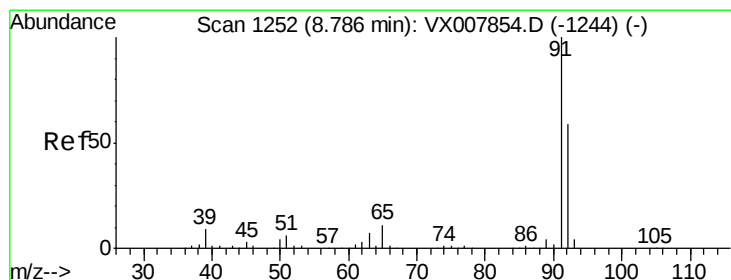
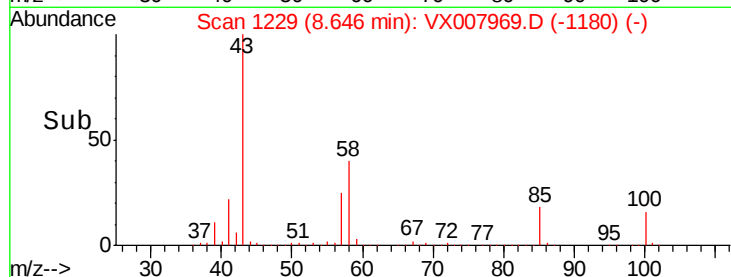
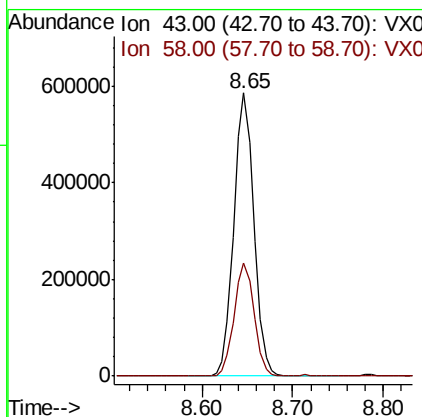
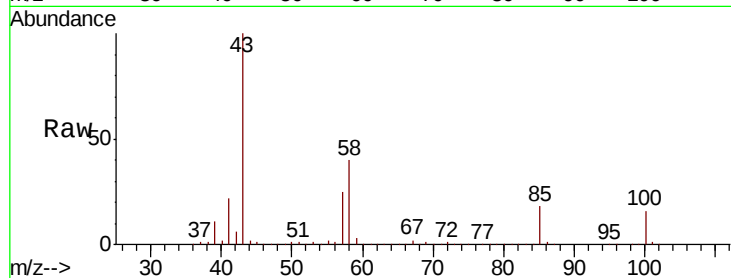
#51
4-Methyl-2-Pentanone
Concen: 237.464 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 900665
Ion Ratio Lower Upper
43 100
58 39.8 31.3 46.9

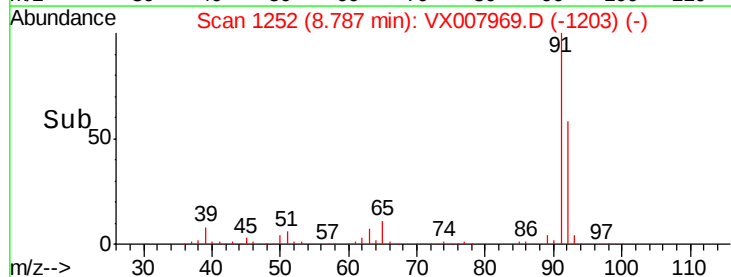
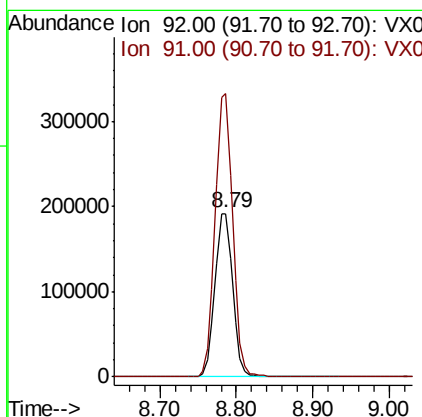
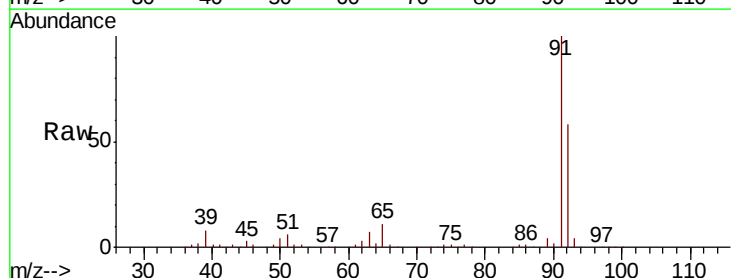
Manual Integrations
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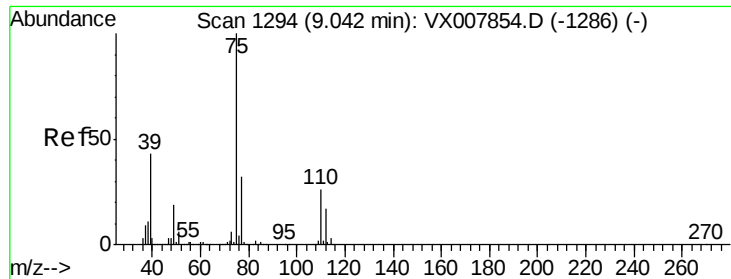
MMDadoda
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#52
Toluene
Concen: 50.604 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion: 92 Resp: 308868
Ion Ratio Lower Upper
92 100
91 172.0 137.4 206.0





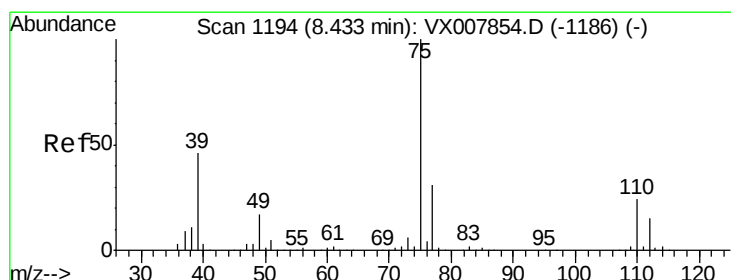
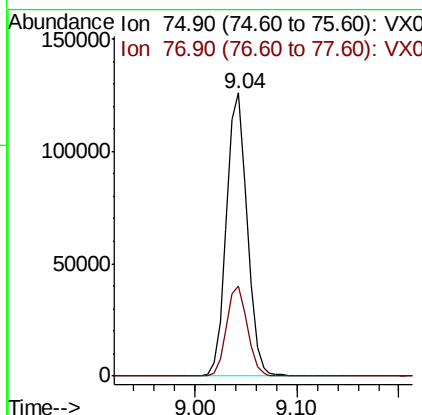
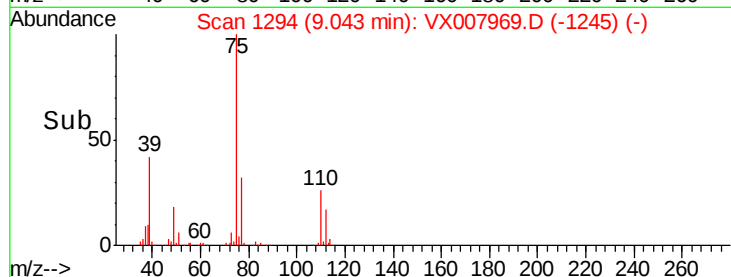
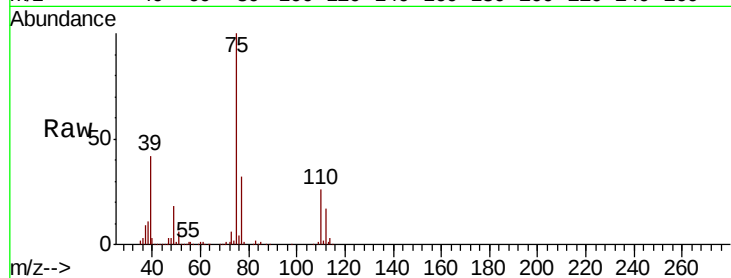
#53
t-1,3-Dichloropropene
Concen: 53.400 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion: 75 Resp: 176580
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0

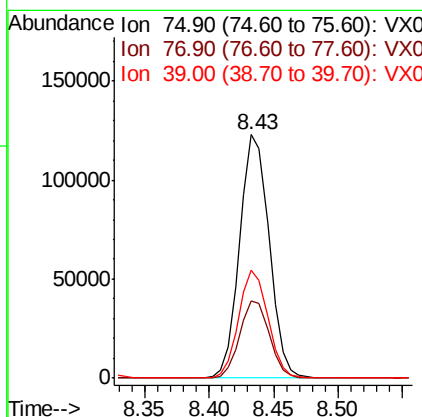
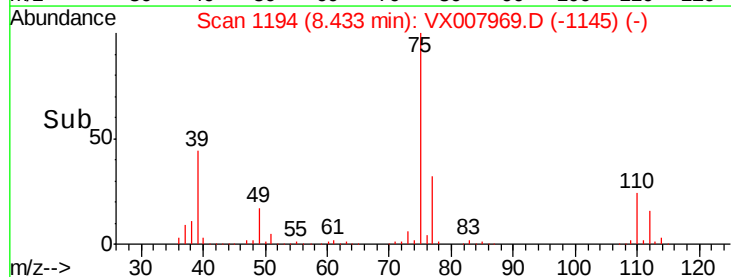
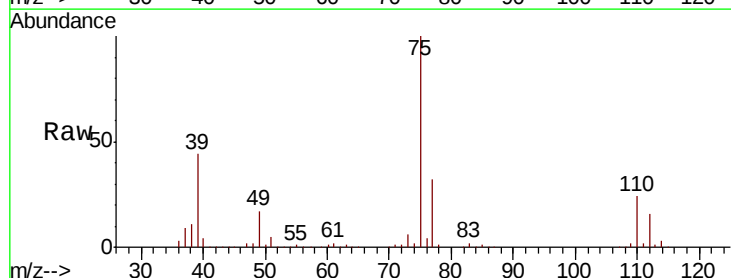
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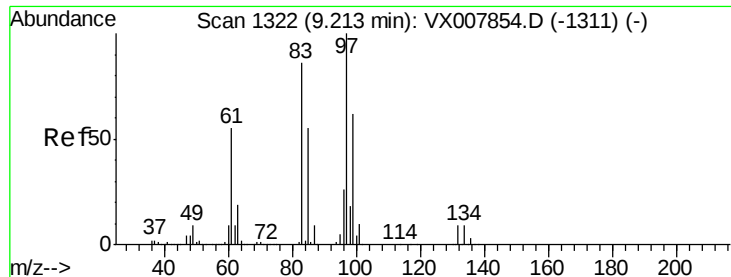
MMDadoda
3/12/2019 2:20:37 PM



#54
cis-1,3-Dichloropropene
Concen: 52.211 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion: 75 Resp: 194965
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 44.2 36.6 54.8





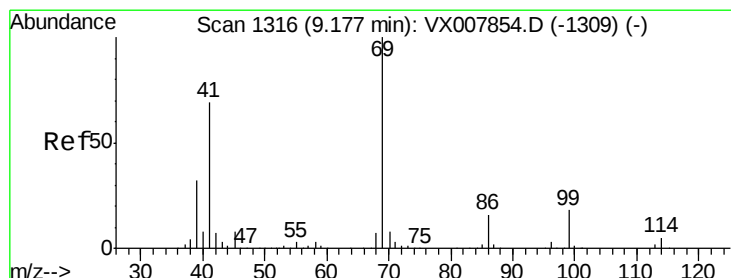
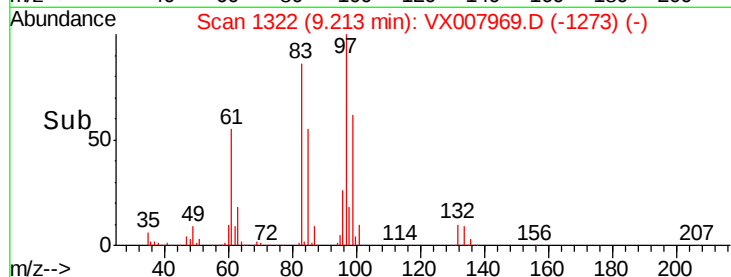
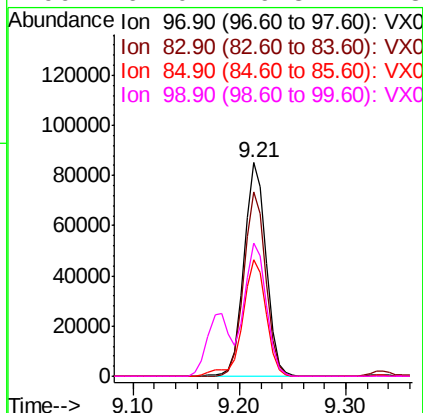
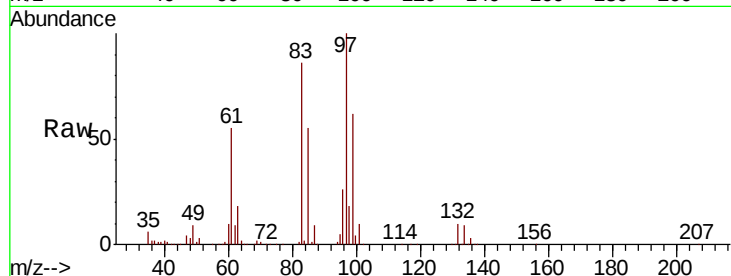
#55
1,1,2-Trichloroethane
Concen: 50.458 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.1	103.7
85	54.6	44.3	66.5
99	62.0	49.8	74.8

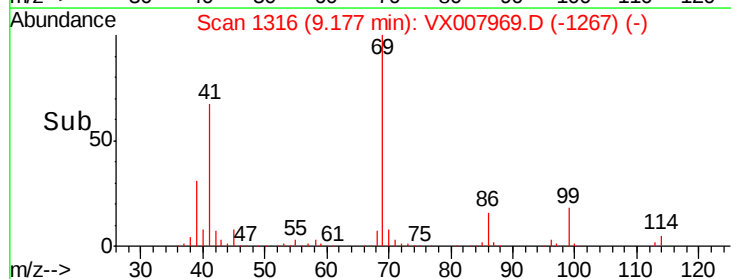
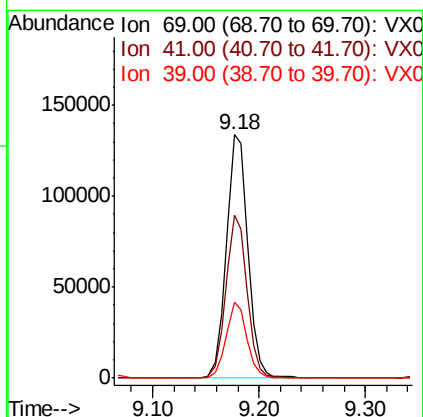
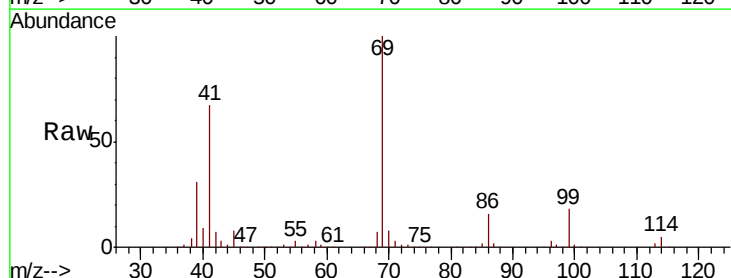
Manual Integrations
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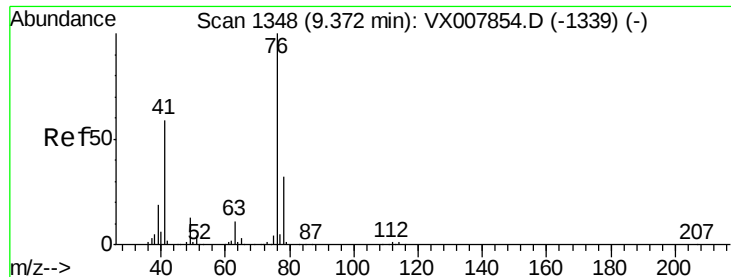
MMDadoda
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#56
Ethyl methacrylate
Concen: 51.092 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.9	54.2	81.4
39	30.1	25.0	37.4





#57

1,3-Dichloropropane

Concen: 49.721 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 206275

Ion Ratio Lower Upper

76 100

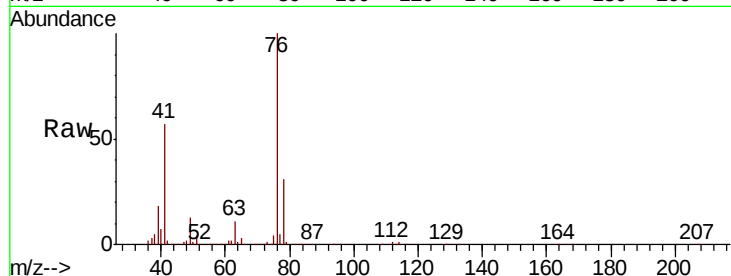
78 32.0 25.5 38.3

Manual Integrations

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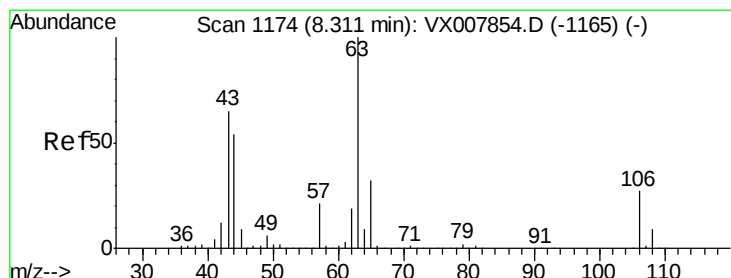
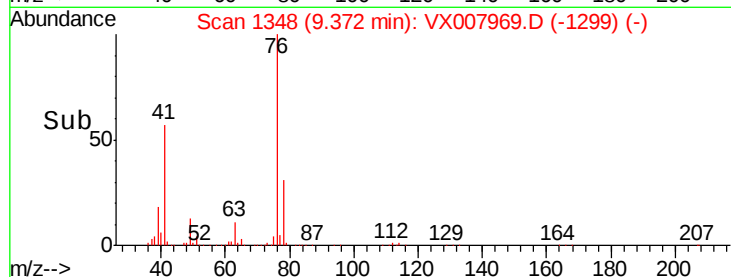
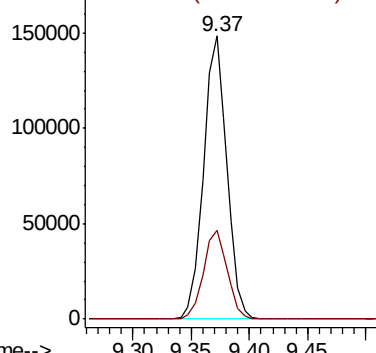
MMDadoda

3/12/2019 2:20:37 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 266.552 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007969.D

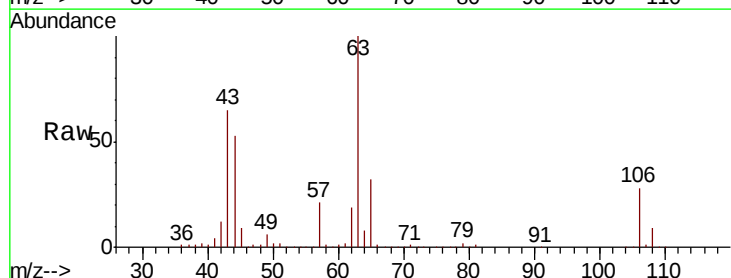
Acq: 11 Mar 2019 14:33

Tgt Ion: 63 Resp: 511508

Ion Ratio Lower Upper

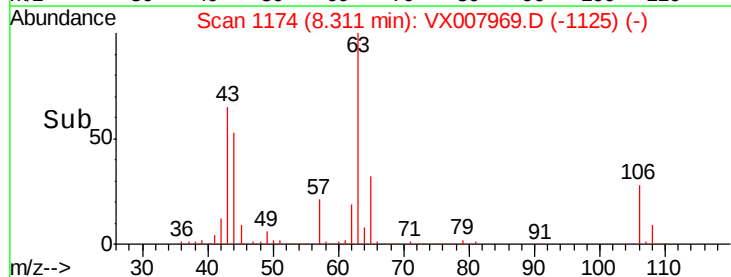
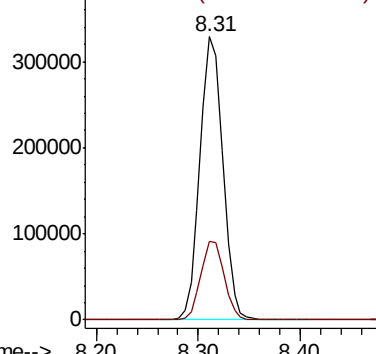
63 100

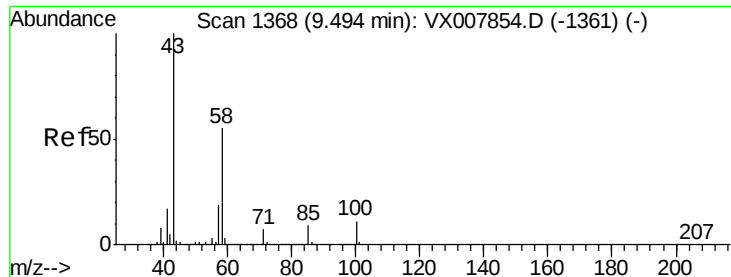
106 28.3 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





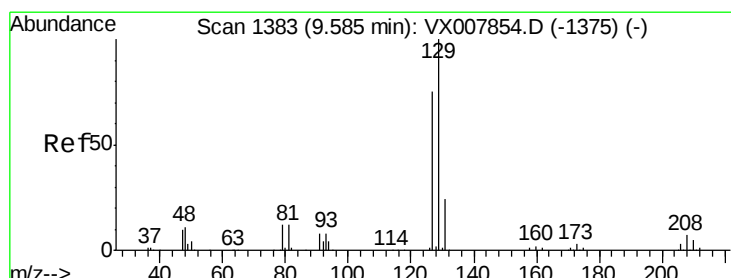
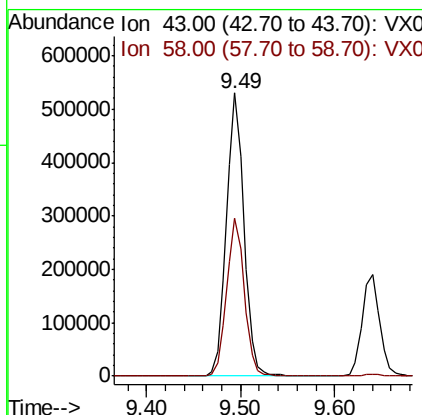
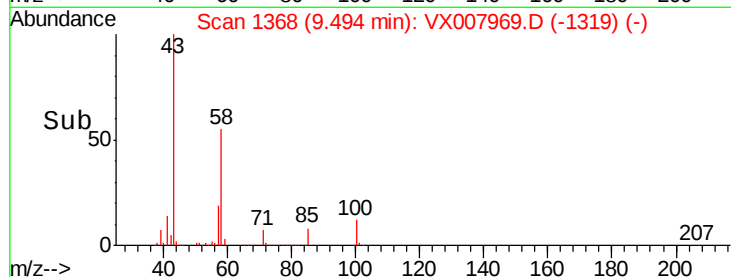
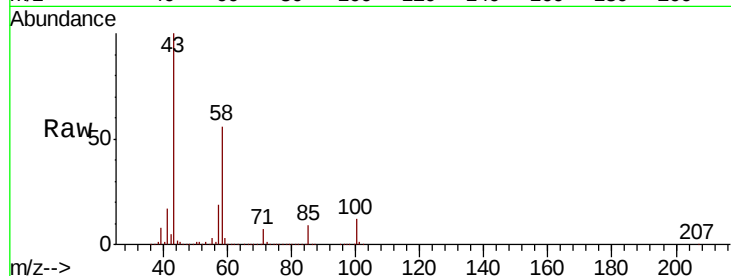
#59
2-Hexanone
Concen: 233.529 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 687669
Ion Ratio Lower Upper
43 100
58 55.9 27.6 82.7

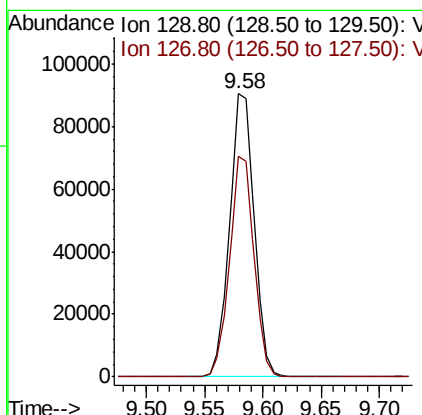
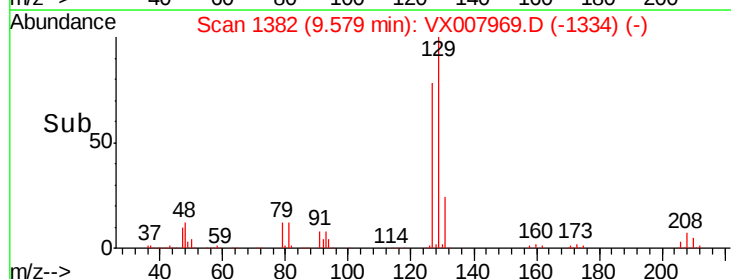
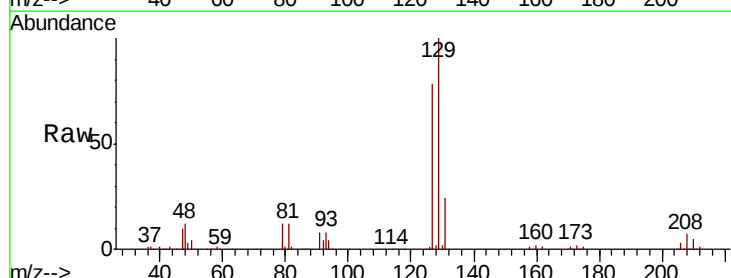
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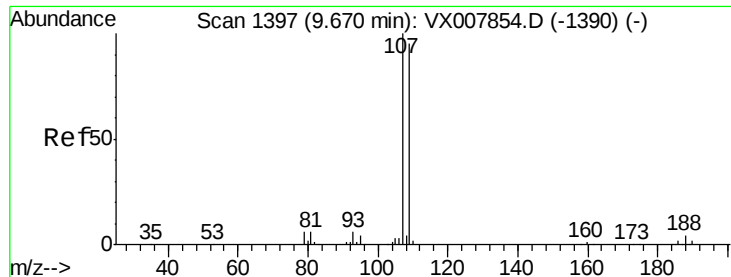
MMDadoda
3/12/2019 2:20:37 PM



#60
Dibromochloromethane
Concen: 51.535 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion: 129 Resp: 133093
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.008 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 131185

Ion Ratio Lower Upper

107 100

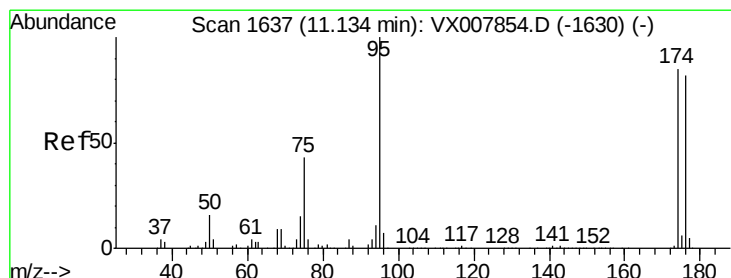
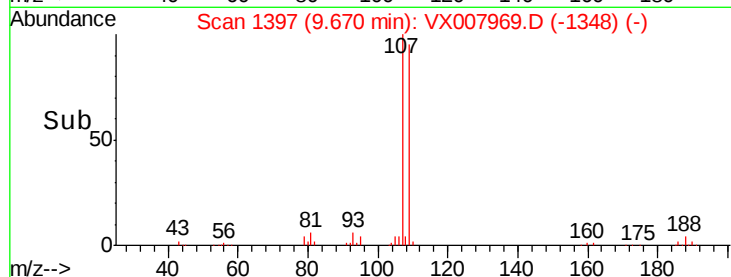
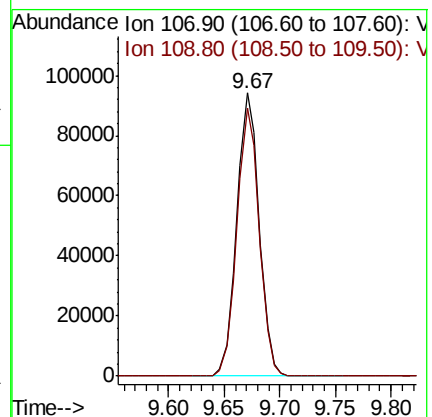
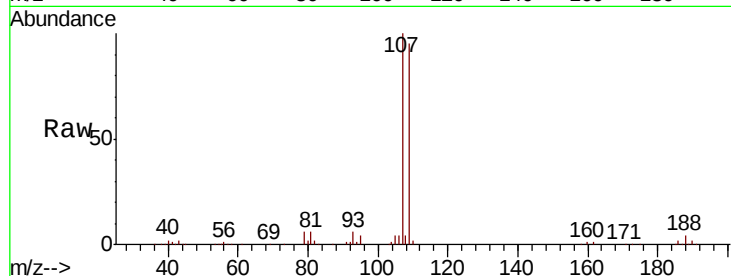
109 94.8 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.977 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

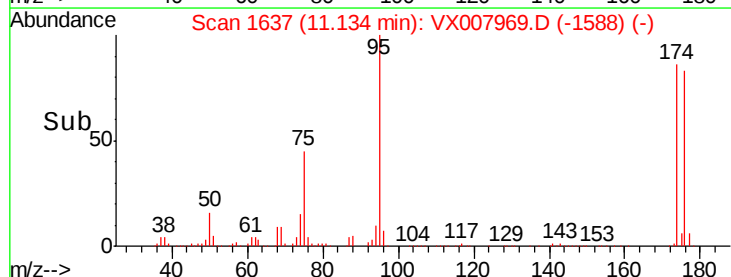
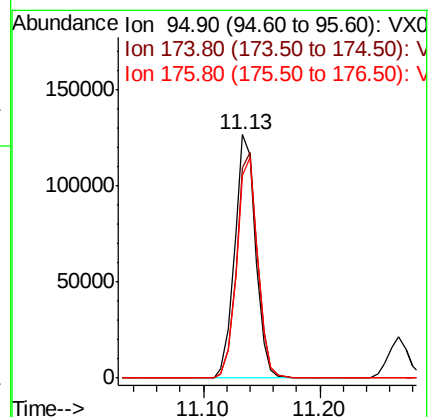
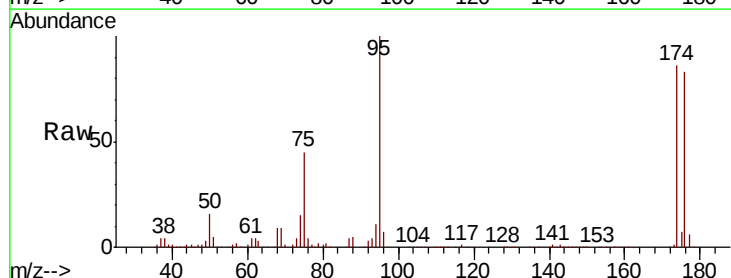
Tgt Ion: 95 Resp: 158769

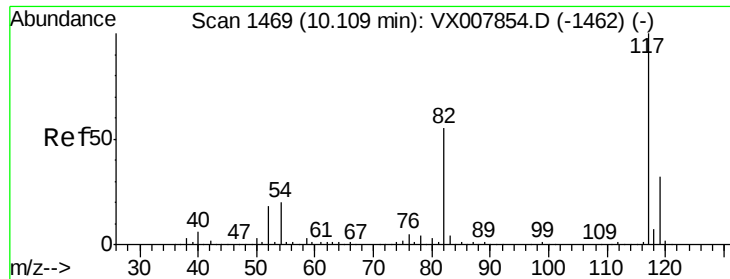
Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.8

176 90.7 0.0 178.0





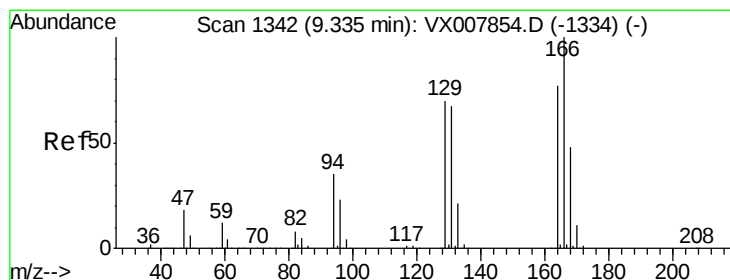
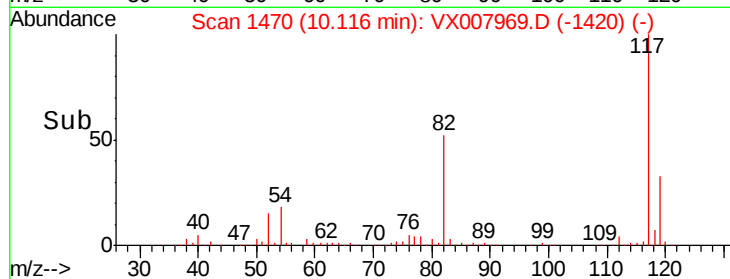
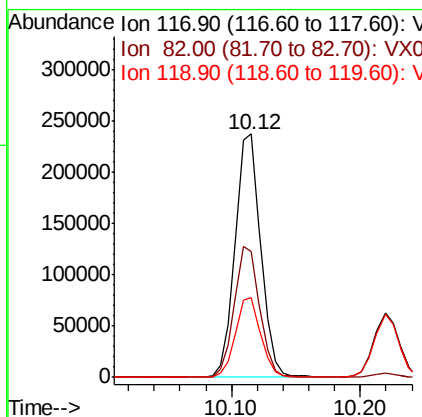
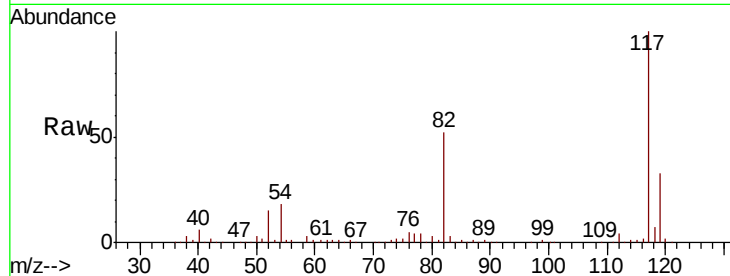
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.8	44.3	66.5
119	32.6	25.3	37.9

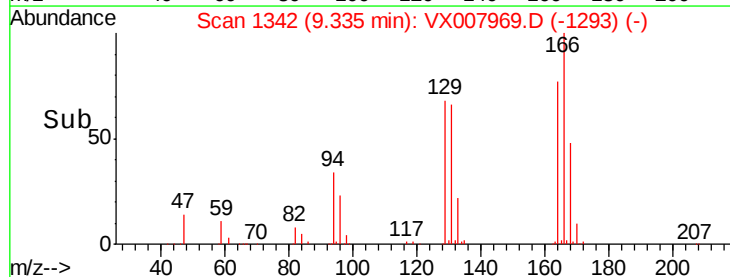
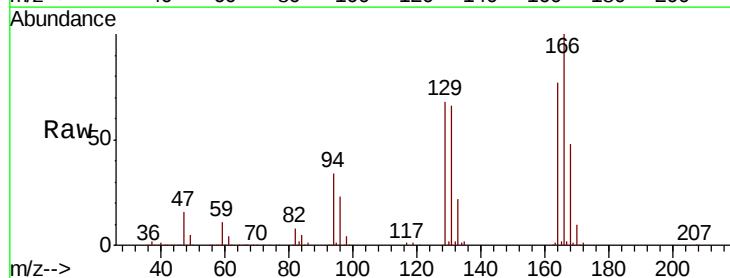
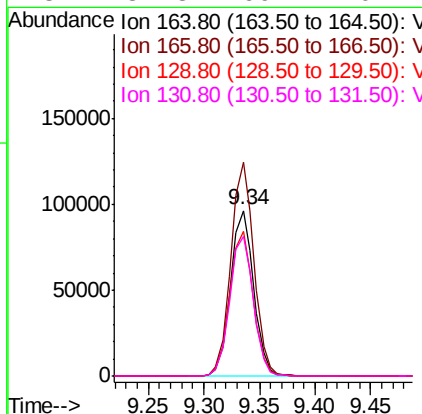
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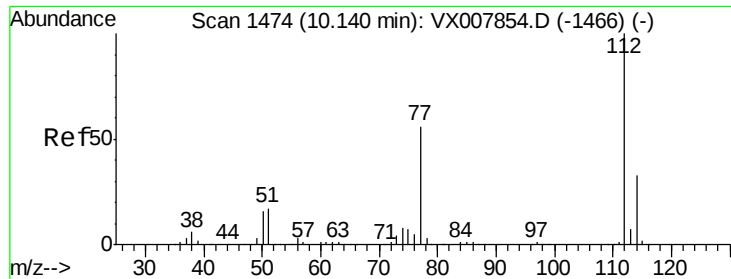
MMDadoda
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#64
Tetrachloroethene
Concen: 50.607 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.4	155.0
129	87.3	72.2	108.4
131	84.8	69.4	104.2





#65

Chlorobenzene

Concen: 49.272 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion:112 Resp: 339809

Ion Ratio Lower Upper

112 100

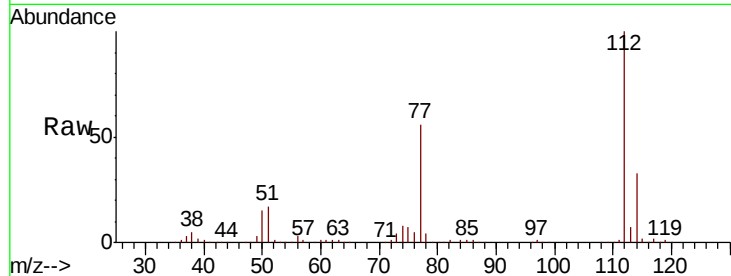
114 32.8 26.0 39.0

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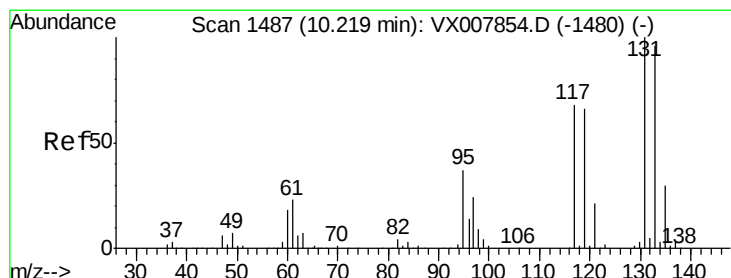
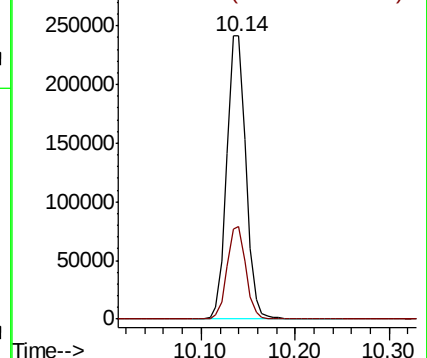
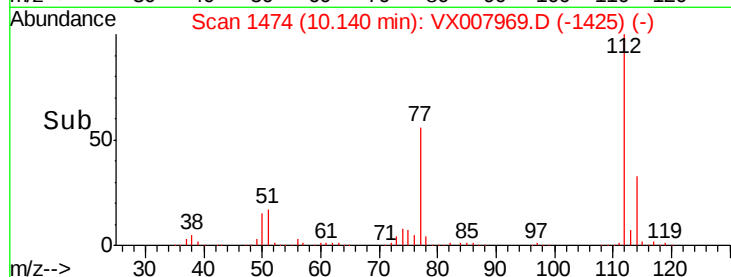
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.418 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

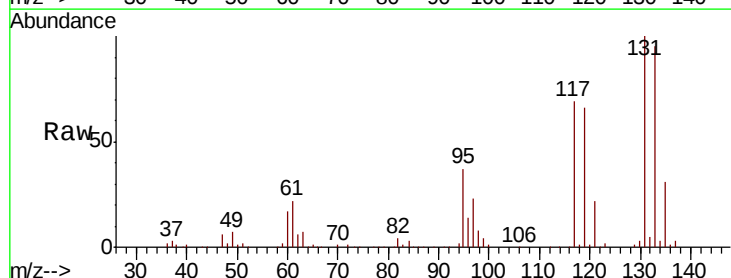
Tgt Ion:131 Resp: 124619

Ion Ratio Lower Upper

131 100

133 96.2 47.8 143.3

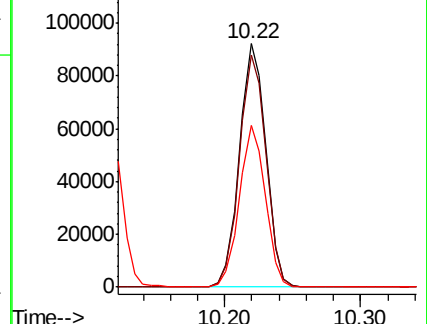
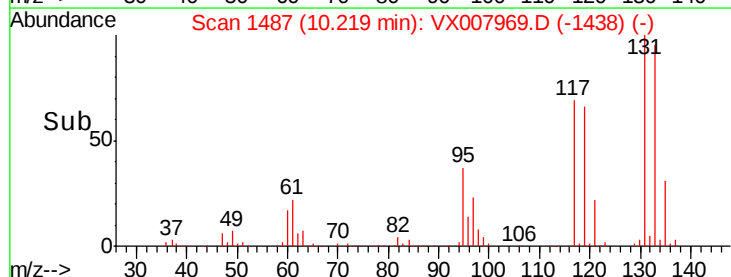
119 65.5 32.5 97.5

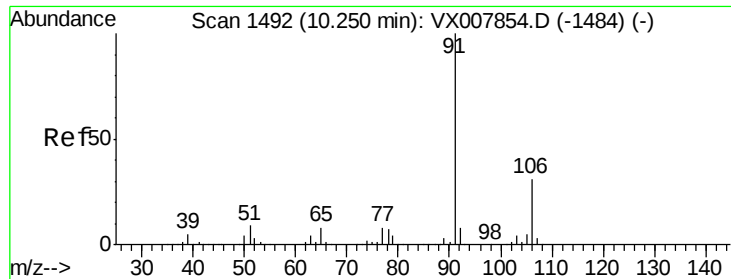


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.892 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 577752

Ion Ratio Lower Upper

91 100

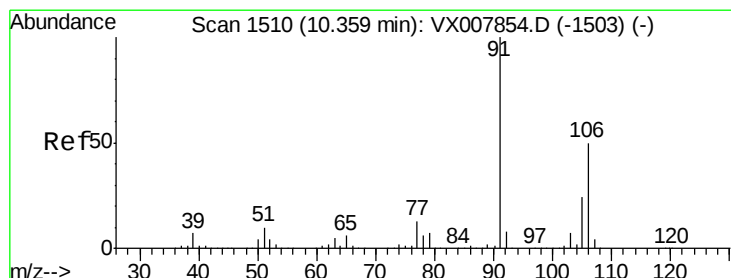
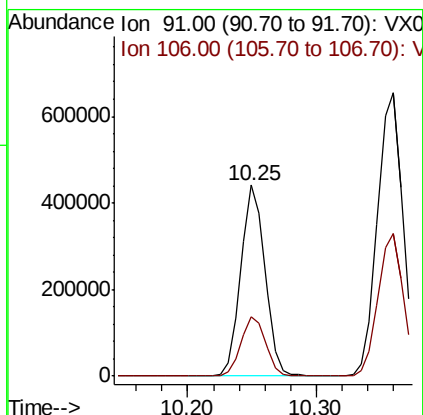
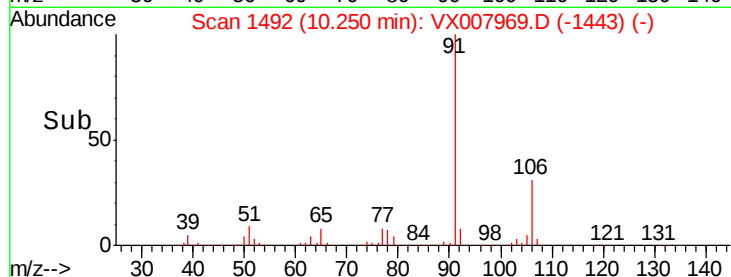
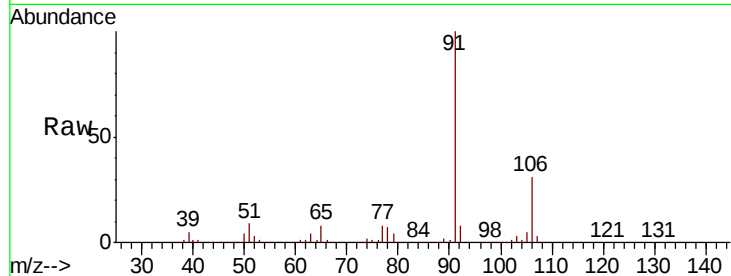
106 31.2 25.2 37.8

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#68

m/p-Xylenes

Concen: 102.290 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007969.D

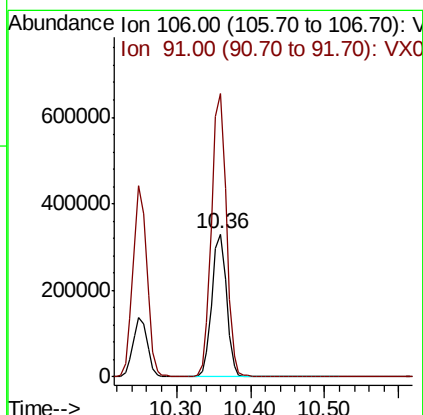
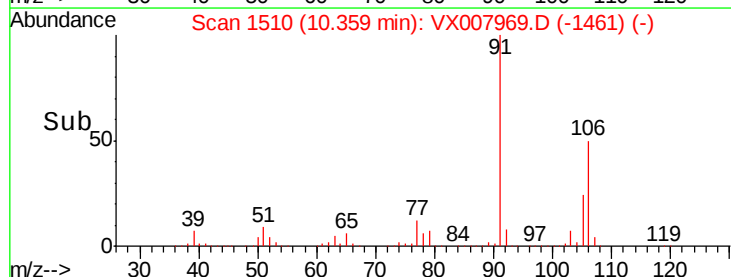
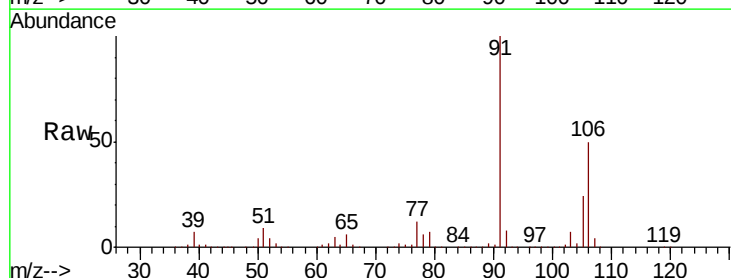
Acq: 11 Mar 2019 14:33

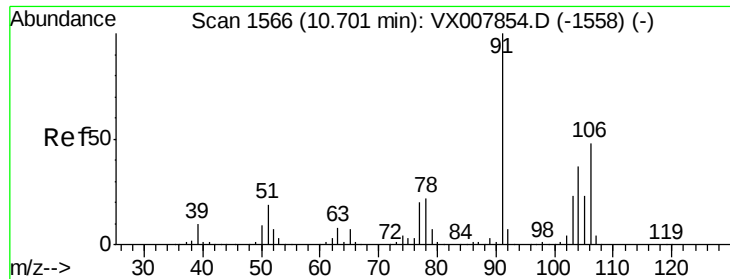
Tgt Ion: 106 Resp: 447600

Ion Ratio Lower Upper

106 100

91 200.4 159.8 239.6





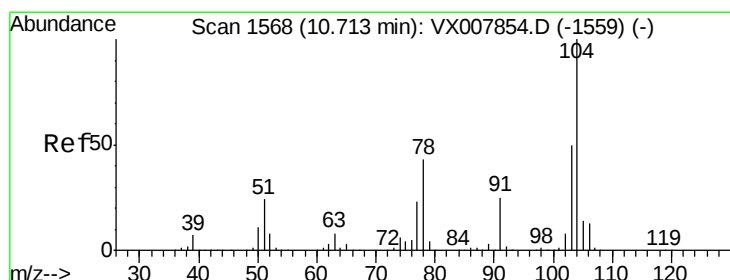
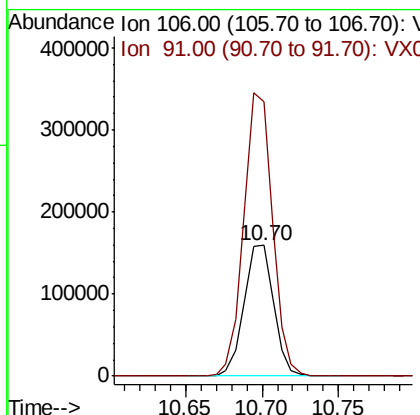
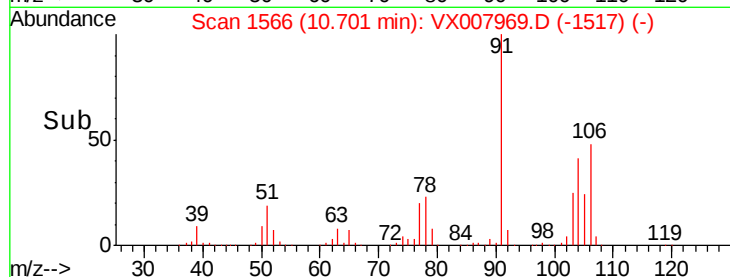
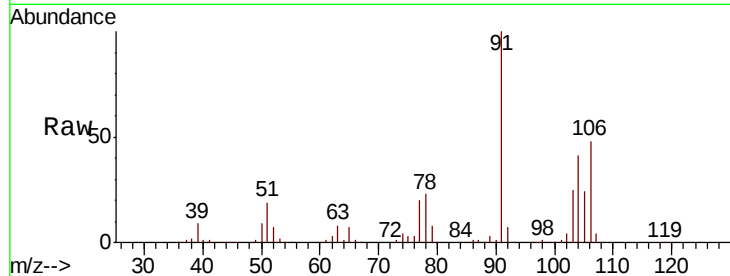
#69
o-Xylene
Concen: 50.852 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 214827
Ion Ratio Lower Upper
106 100
91 211.2 106.3 318.9

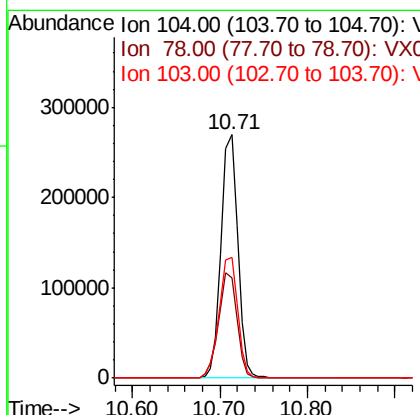
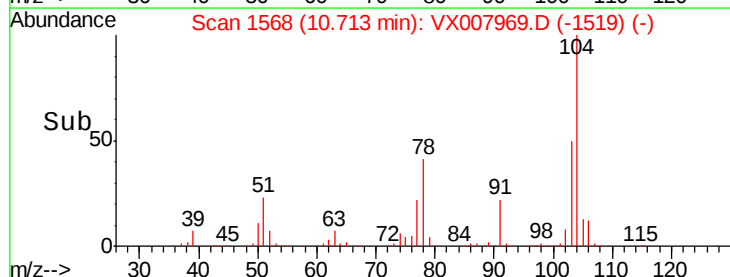
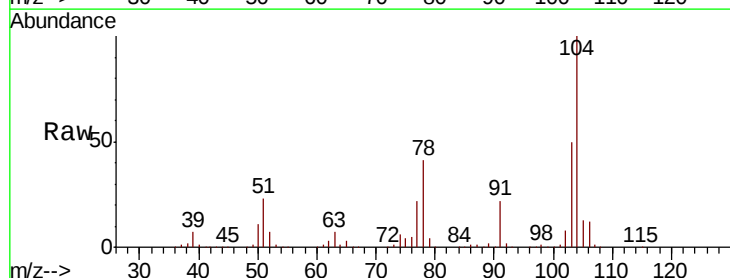
Manual Integrations
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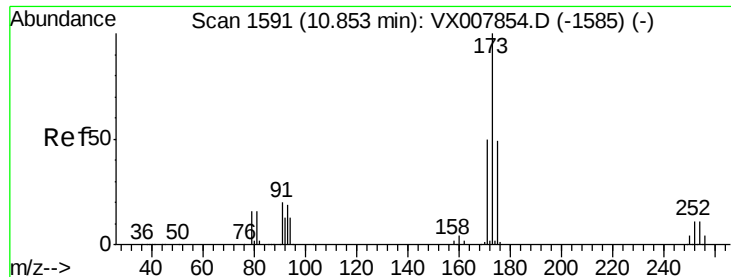
MMDadoda
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#70
Styrene
Concen: 51.806 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion:104 Resp: 358139
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 55.0 44.1 66.1





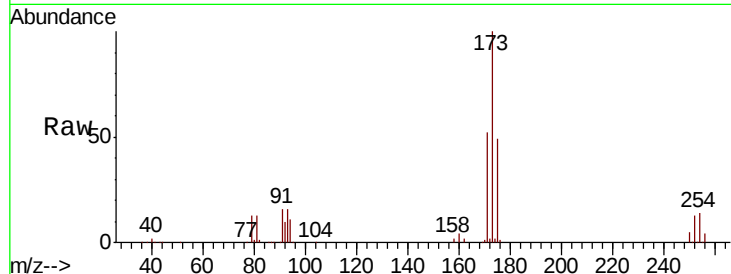
#71
Bromoform
Concen: 49.321 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.2	0.1	0.1#

Manual Integrations
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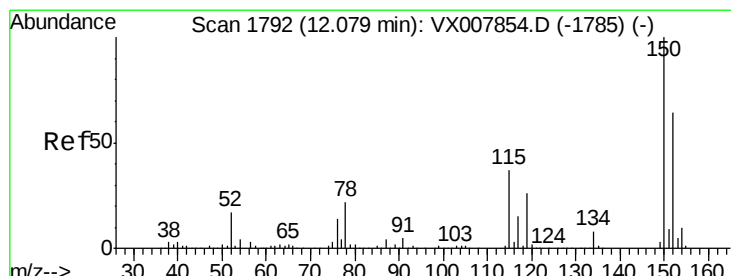
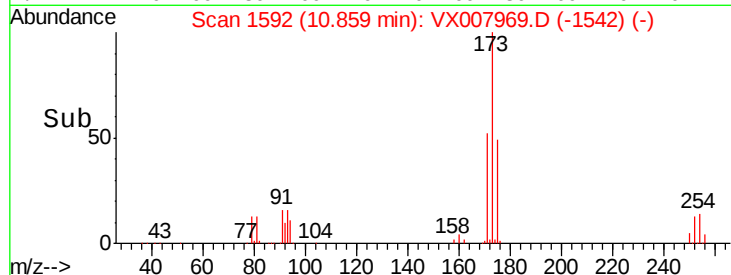
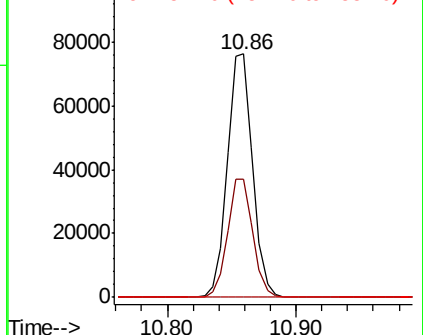


Abundance

Ion 172.70 (172.40 to 173.40): V

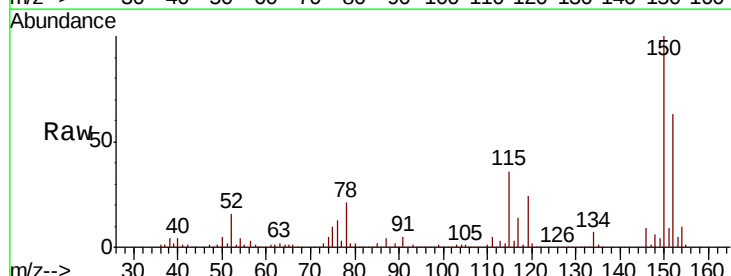
Ion 174.70 (174.40 to 175.40): V

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: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.5	38.6	115.7
150	173.2	0.0	348.4

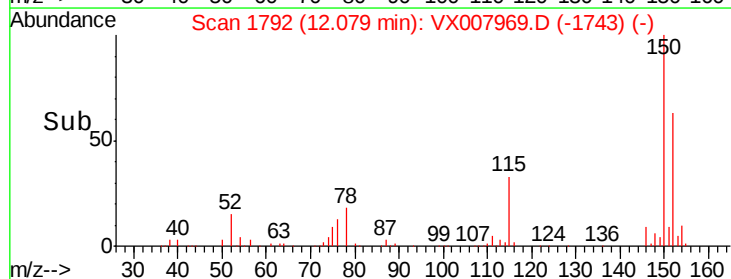
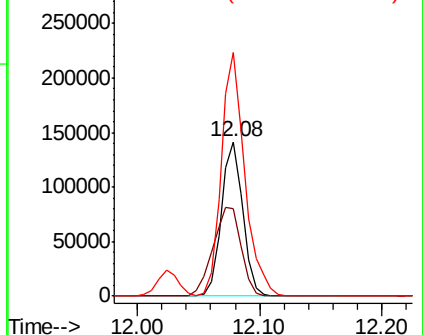


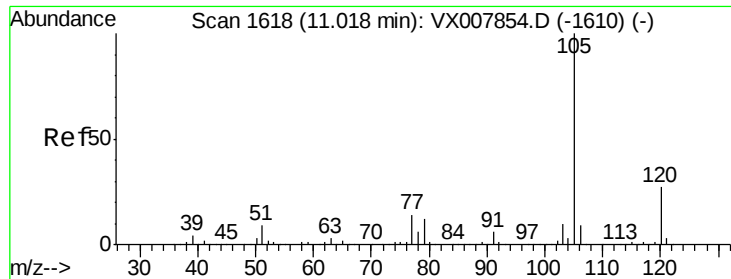
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.558 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 584212

Ion Ratio Lower Upper

105 100

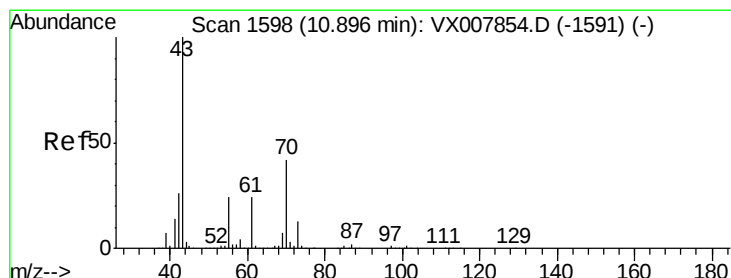
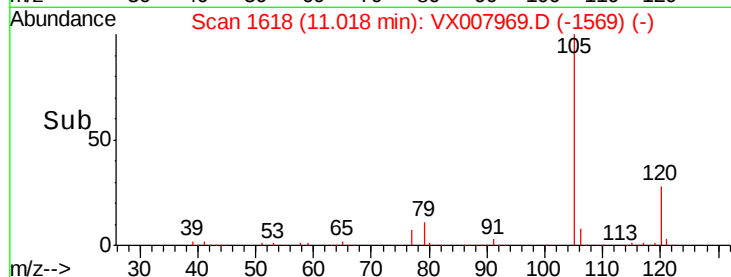
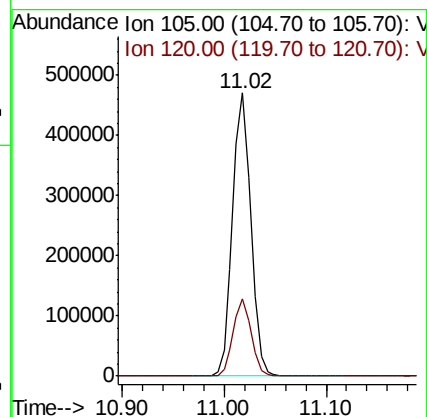
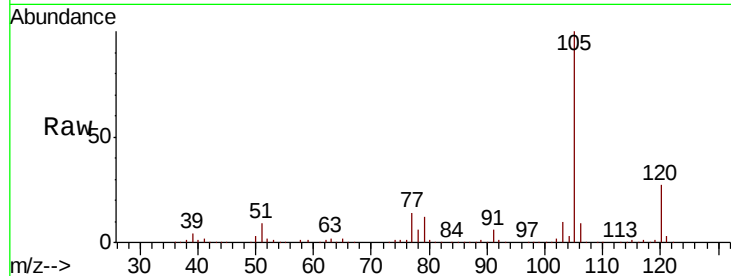
120 26.8 13.4 40.1

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#74

N-ethyl acetate

Concen: 46.308 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Tgt Ion: 43 Resp: 244290

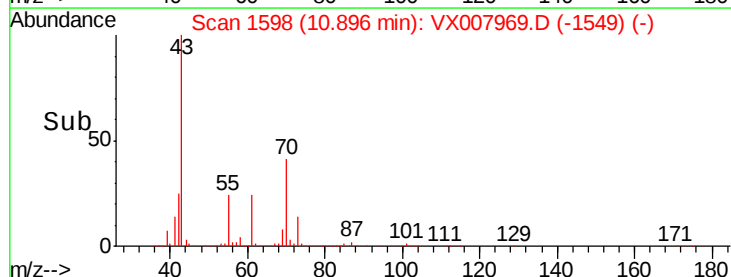
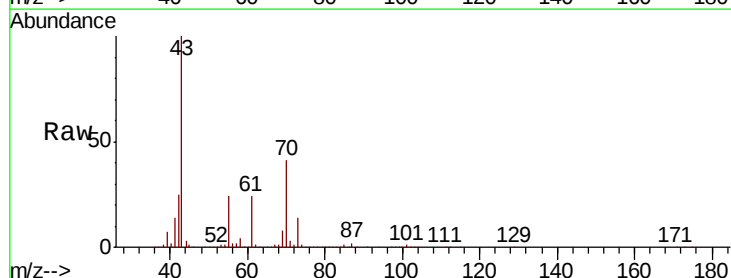
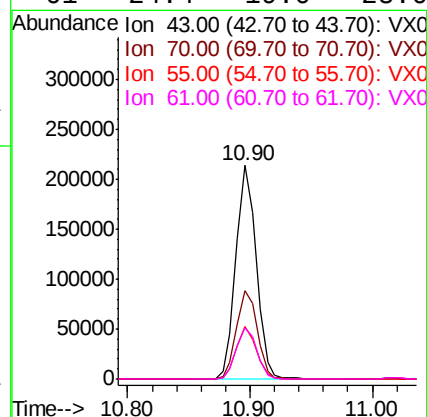
Ion Ratio Lower Upper

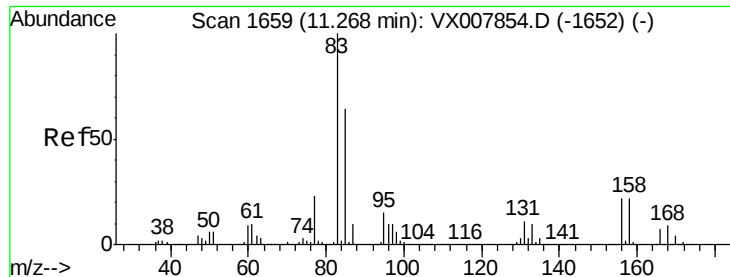
43 100

70 42.4 33.5 50.3

55 24.6 19.2 28.8

61 24.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.059 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 179597
Ion Ratio Lower Upper

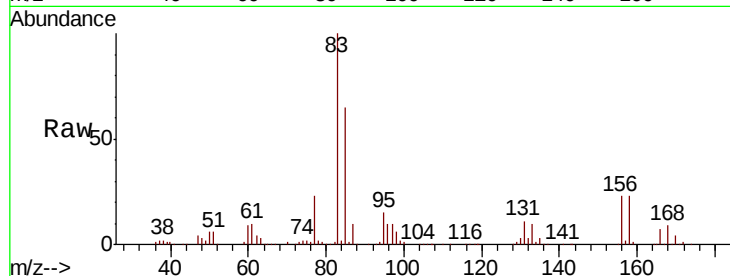
83 100

131 10.5 5.4 16.2

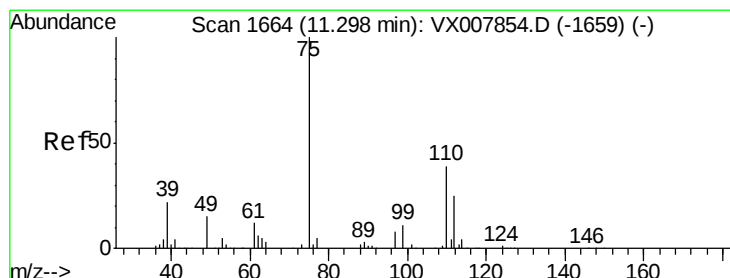
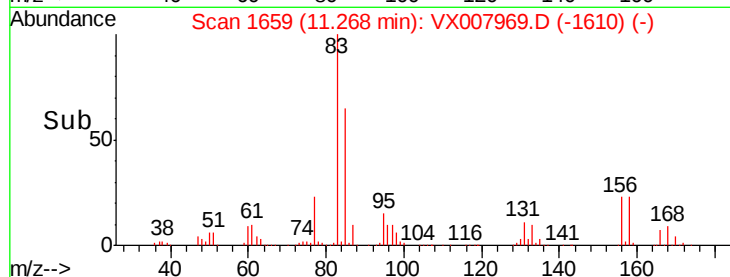
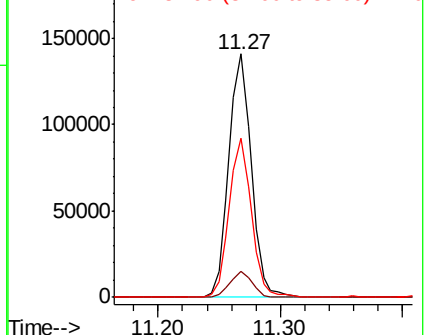
85 64.4 32.3 96.8

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



#76

1,2,3-Trichloropropane

Concen: 48.777 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

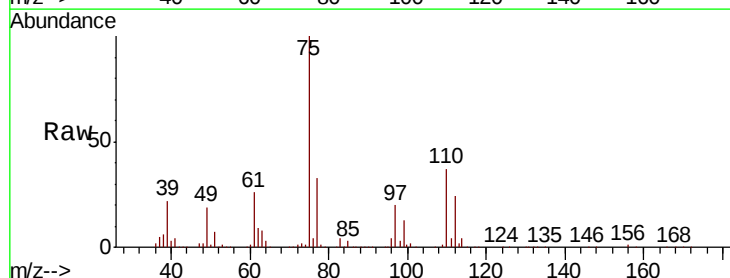
Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

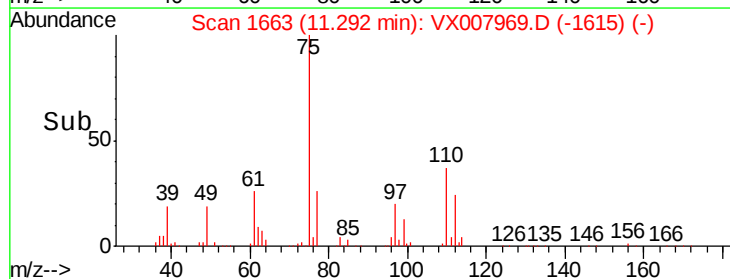
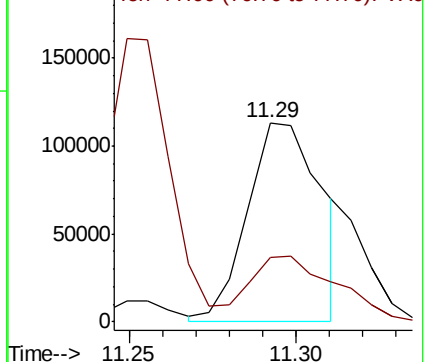
Tgt Ion: 75 Resp: 174878
Ion Ratio Lower Upper

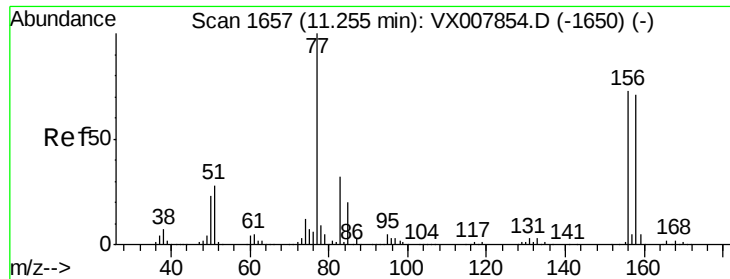
75 100

77 39.6 18.9 56.7



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





#77

Bromobenzene

Concen: 48.432 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 156 Resp: 153435

Ion Ratio Lower Upper

156 100

77 140.1 72.0 215.9

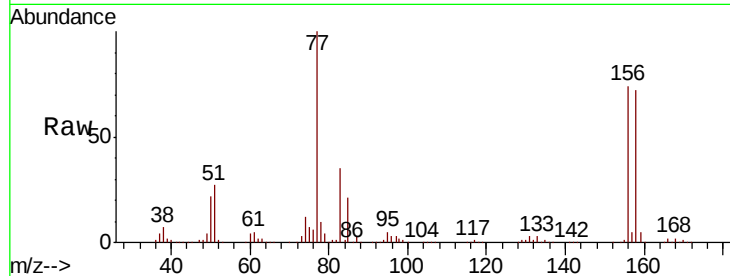
158 97.1 48.6 145.9

Manual Integrations

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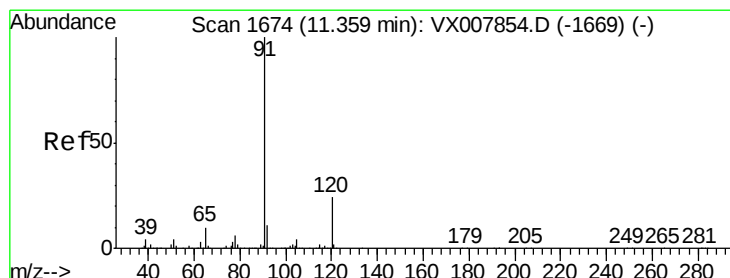
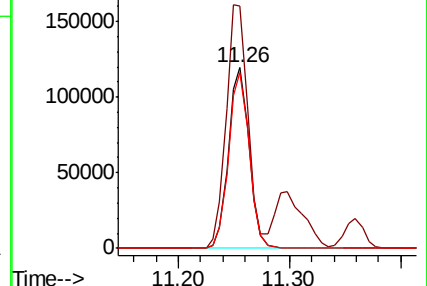
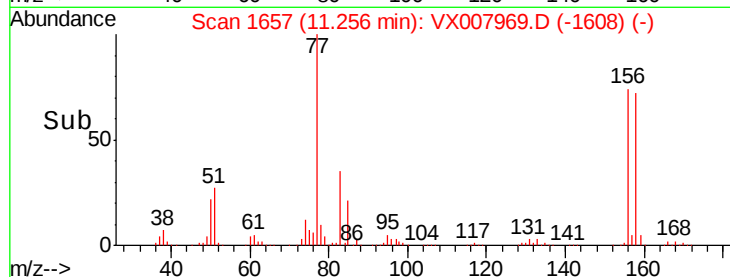
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.431 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007969.D

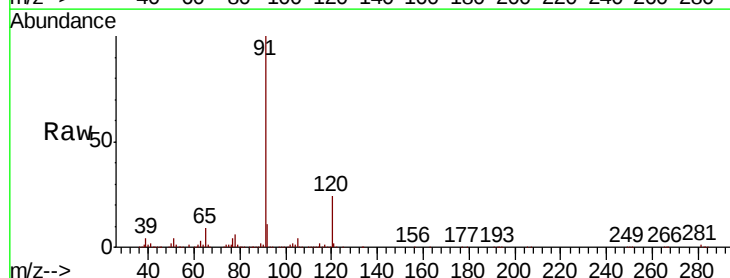
Acq: 11 Mar 2019 14:33

Tgt Ion: 91 Resp: 659304

Ion Ratio Lower Upper

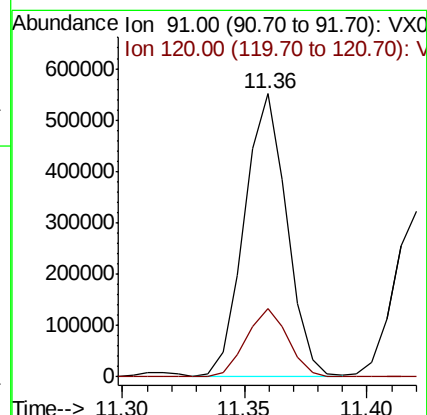
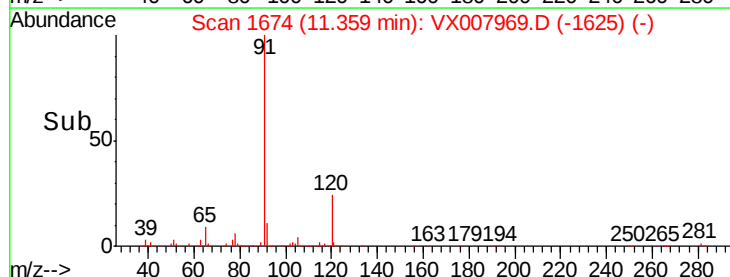
91 100

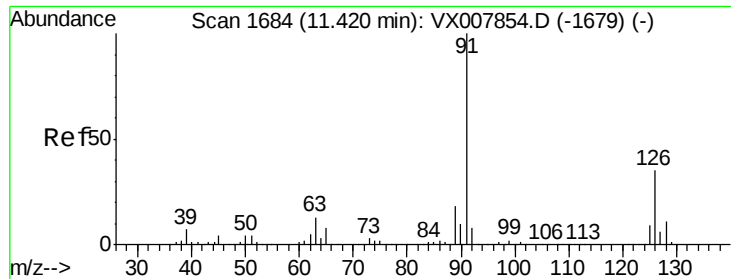
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





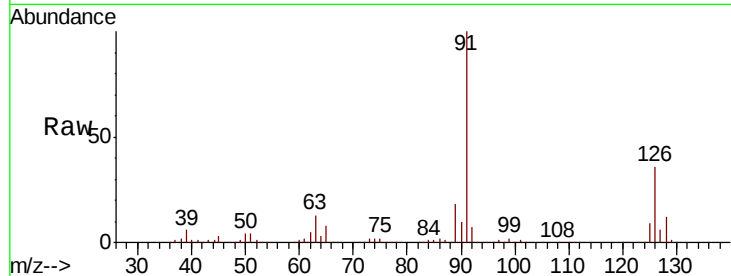
#79
2-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

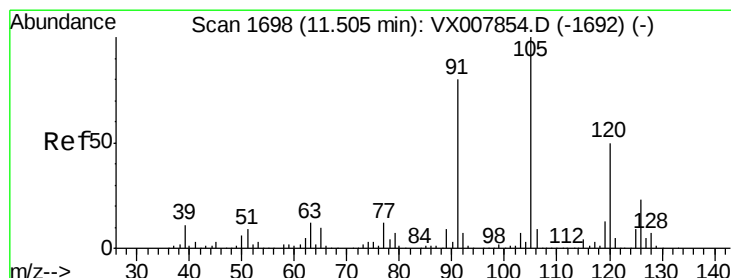
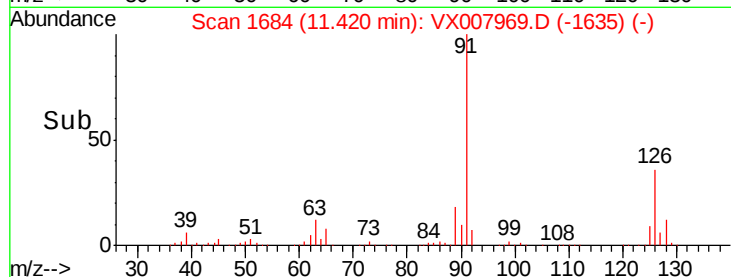
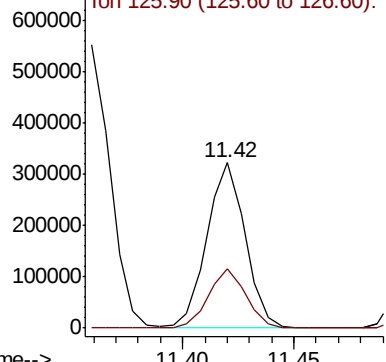
Tgt Ion: 91 Resp: 385344
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.6

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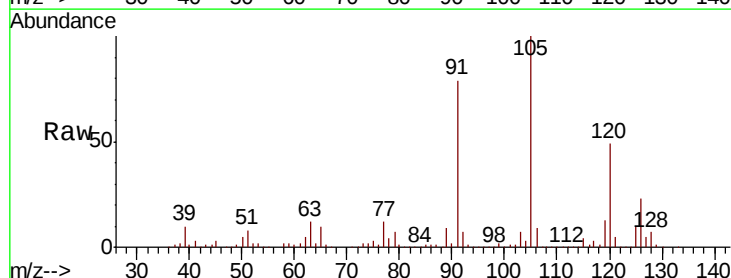


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

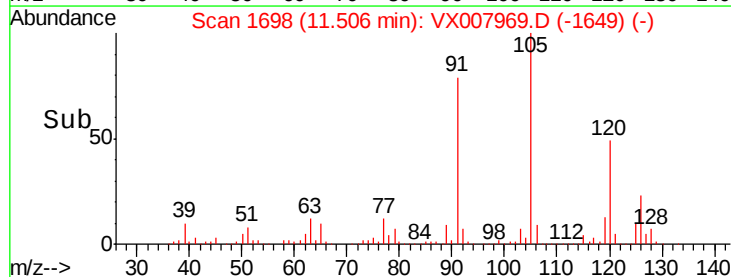
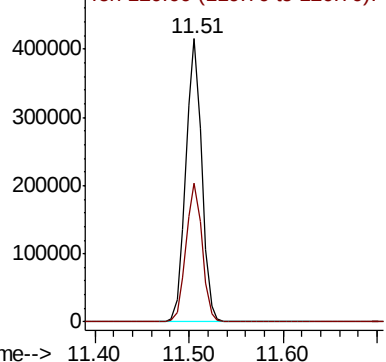


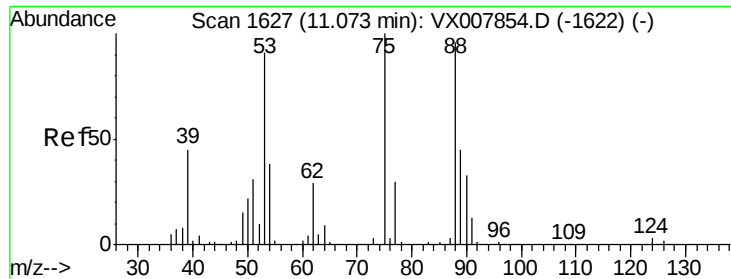
#80
1,3,5-Trimethylbenzene
Concen: 50.946 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion: 105 Resp: 484531
Ion Ratio Lower Upper
105 100
120 49.7 24.9 74.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 49.410 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 55419

Ion Ratio Lower Upper

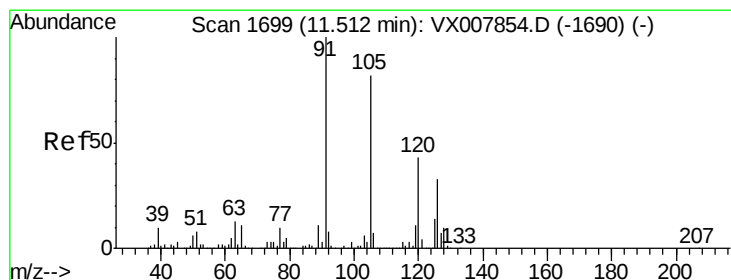
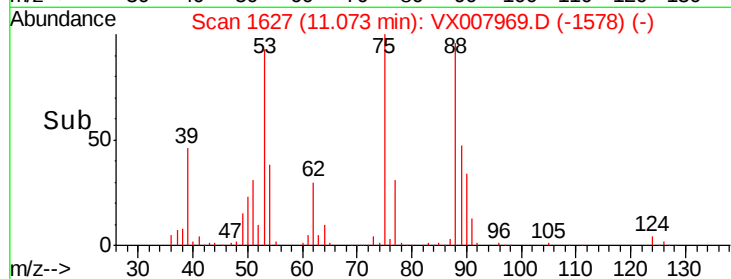
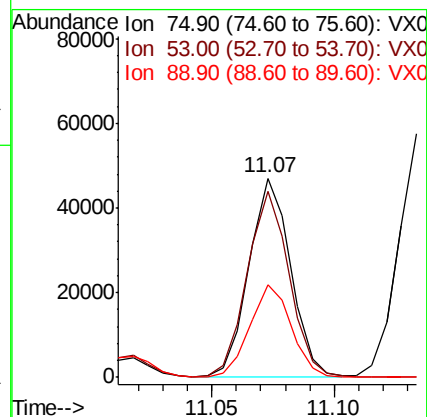
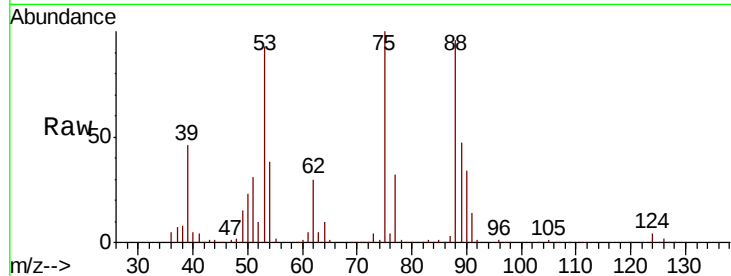
75 100

53 94.2 76.1 114.1

89 46.8 36.3 54.5

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#82

4-Chlorotoluene

Concen: 49.718 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007969.D

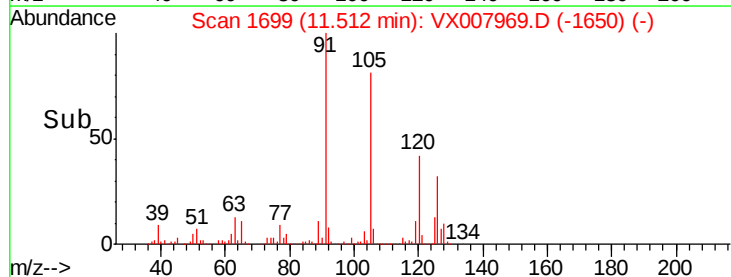
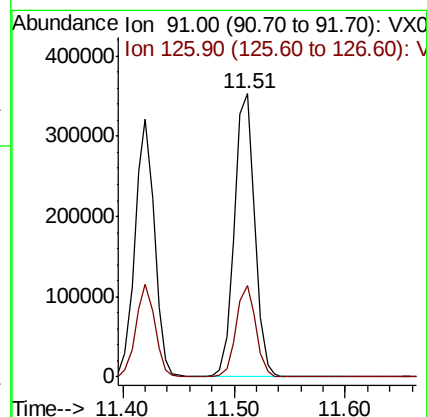
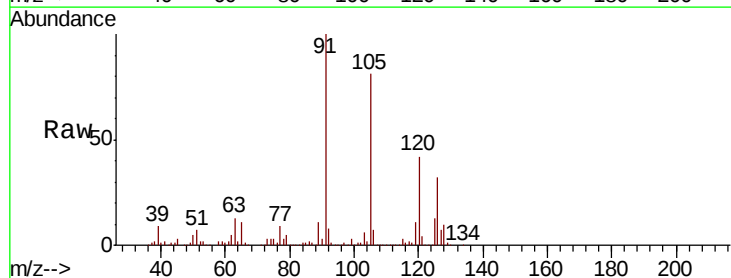
Acq: 11 Mar 2019 14:33

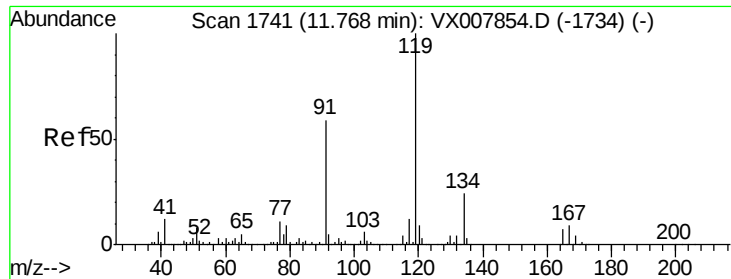
Tgt Ion: 91 Resp: 446577

Ion Ratio Lower Upper

91 100

126 31.4 15.6 46.8





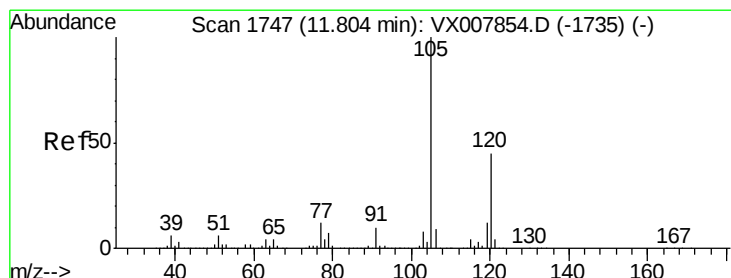
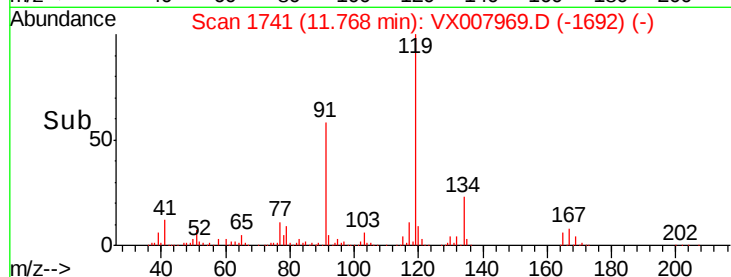
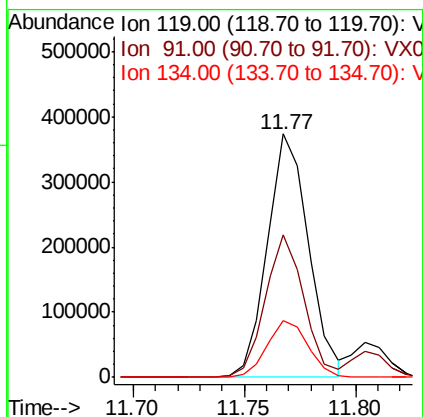
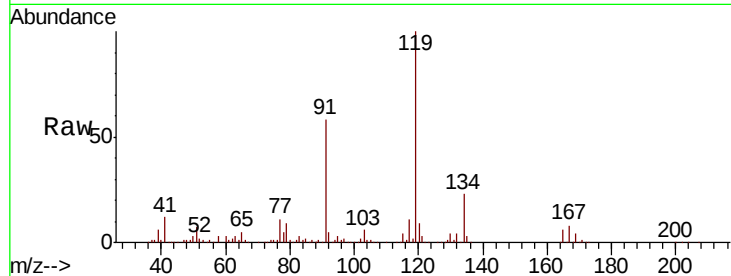
#83
 tert-Butylbenzene
 Concen: 50.050 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007969.D
 Acq: 11 Mar 2019 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	479475		
91	55.1	27.1	81.3	
134	23.3	11.4	34.1	

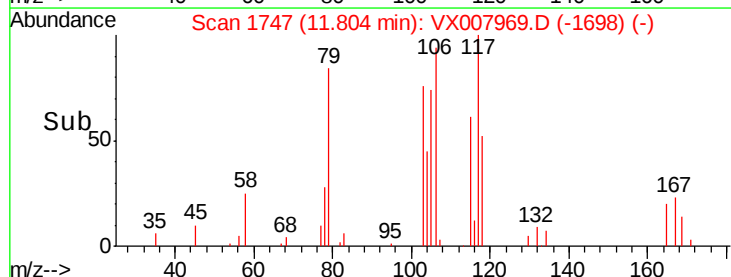
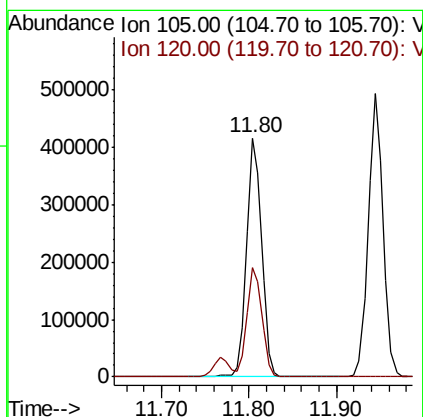
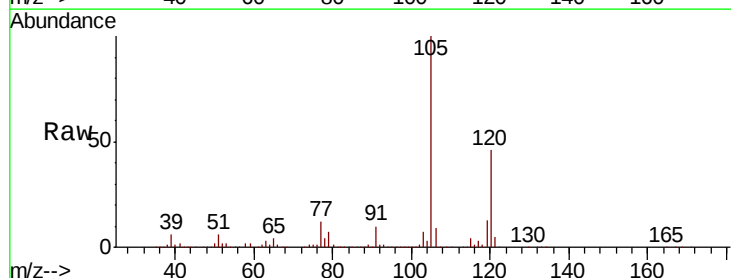
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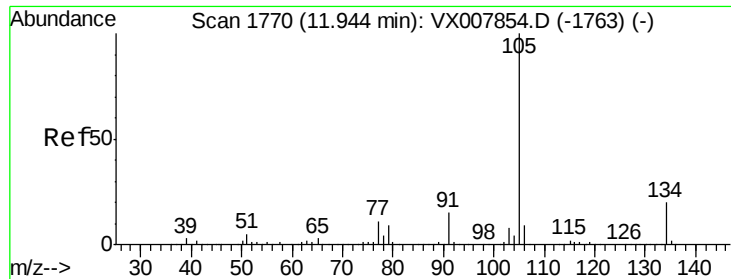
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.888 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007969.D
 Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	496136		
120	45.0	22.6	67.7	





#85

sec-Butylbenzene

Concen: 52.095 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 587779

Ion Ratio Lower Upper

105 100

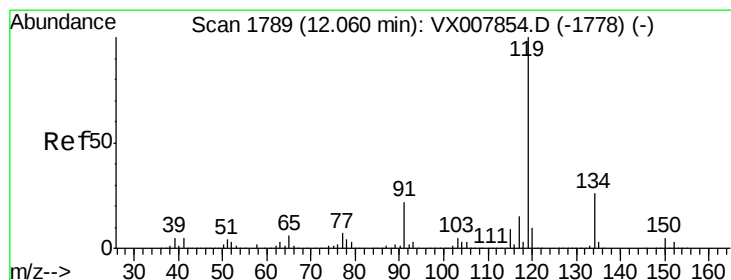
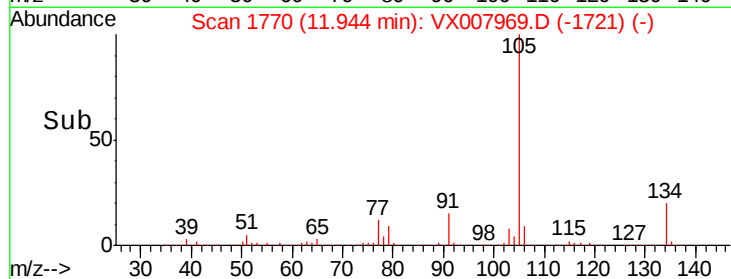
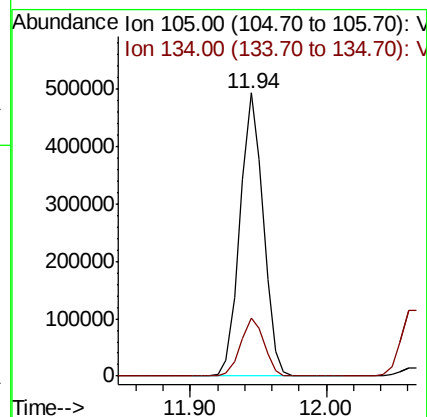
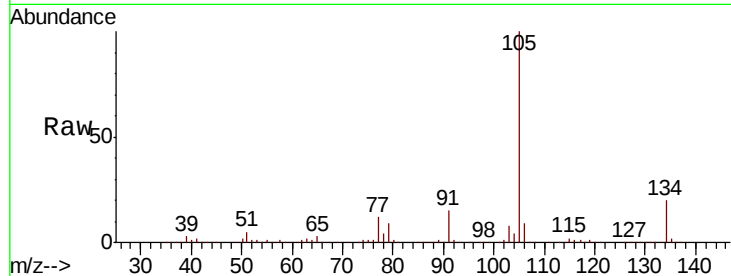
134 20.7 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 52.850 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

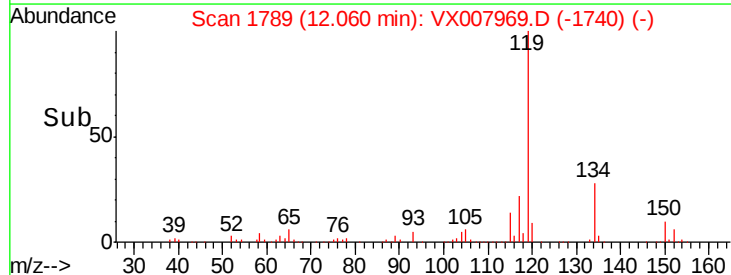
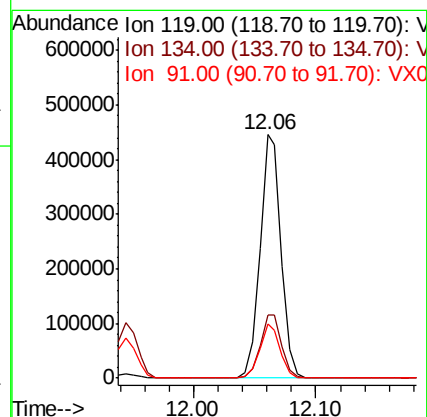
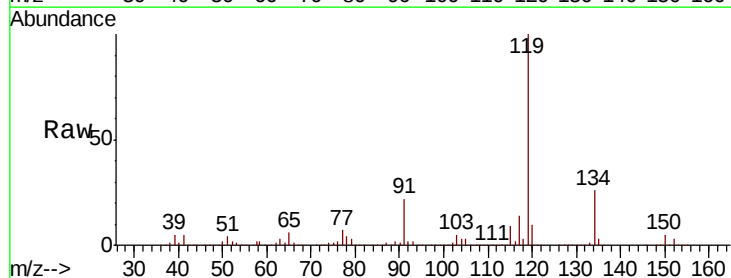
Tgt Ion:119 Resp: 534033

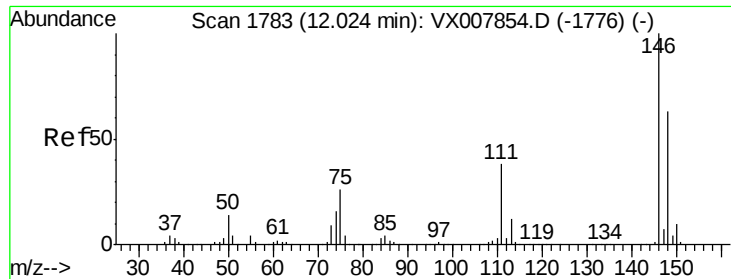
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 21.6 10.9 32.7





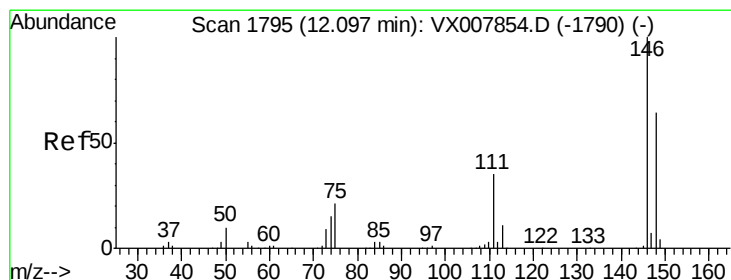
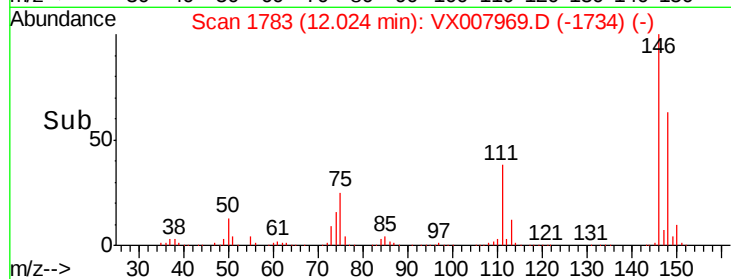
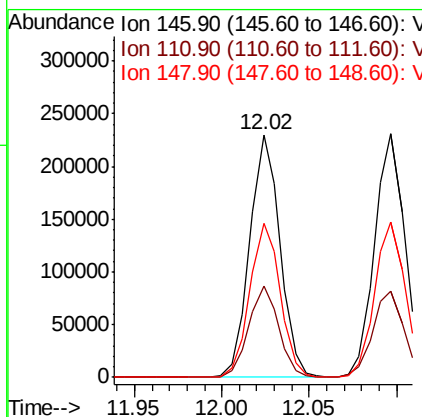
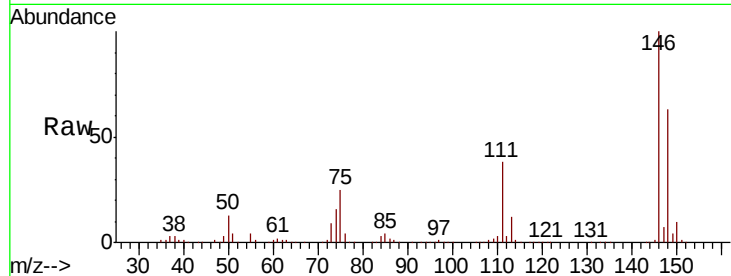
#87
 1,3-Dichlorobenzene
 Concen: 49.291 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007969.D
 Acq: 11 Mar 2019 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.7
148	64.2	31.7	95.1

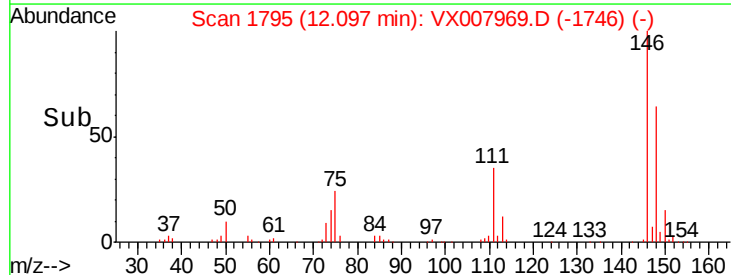
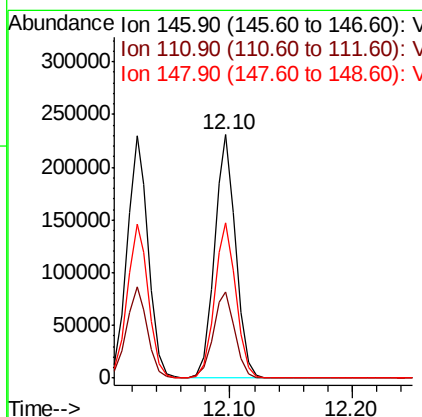
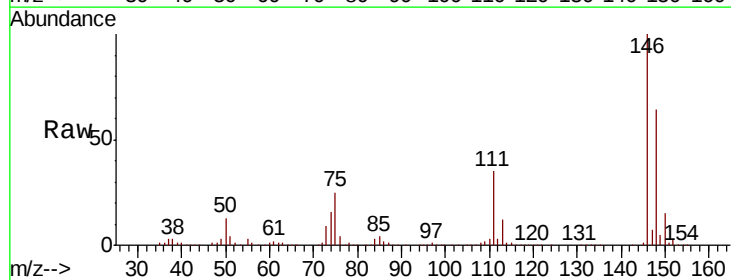
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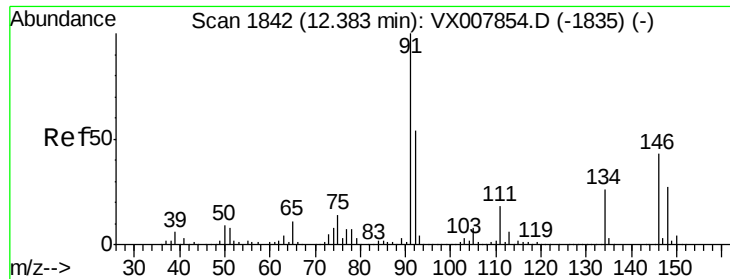
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#88
 1,4-Dichlorobenzene
 Concen: 48.494 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007969.D
 Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.0
148	64.3	32.2	96.6





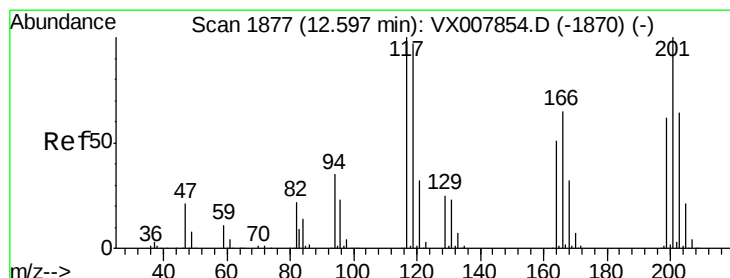
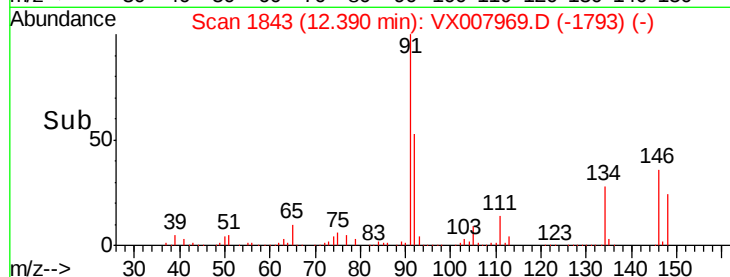
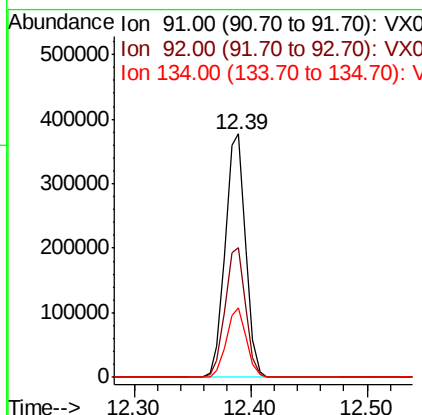
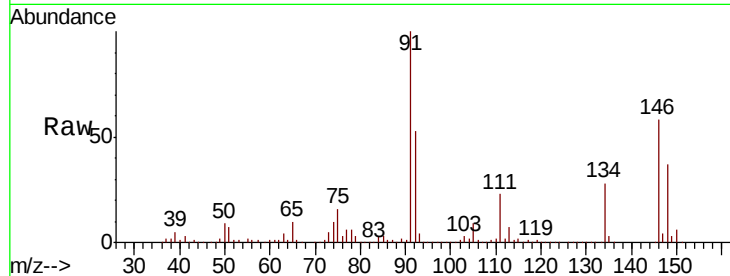
#89
n-Butylbenzene
Concen: 53.233 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	455711		
92	53.5	27.0	80.8	
134	27.6	13.7	41.0	

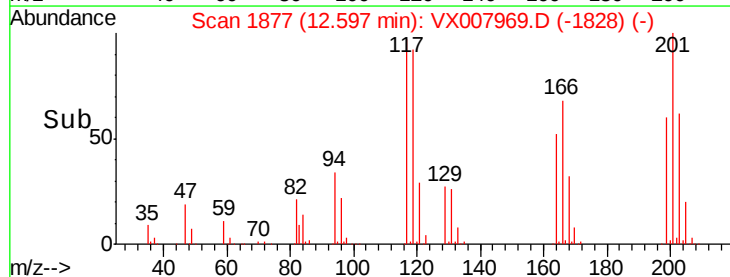
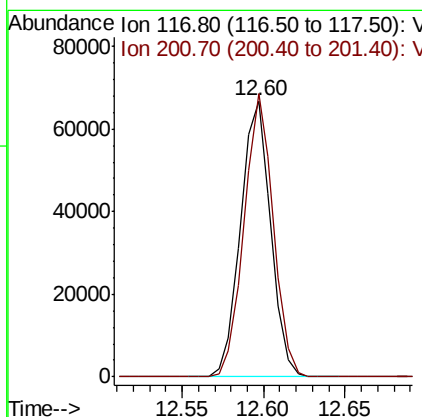
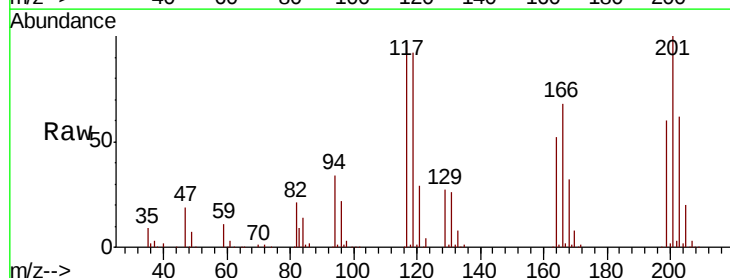
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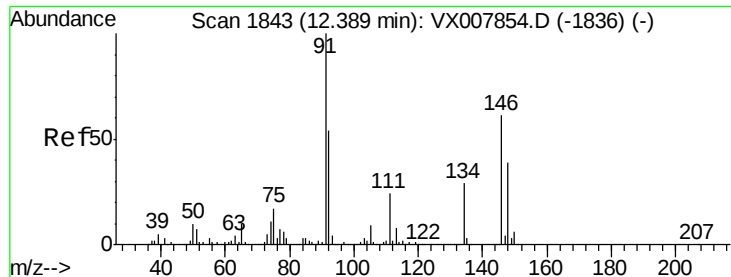
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#90
Hexachloroethane
Concen: 50.840 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007969.D
Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	85892		
201	99.7	48.9	146.7	





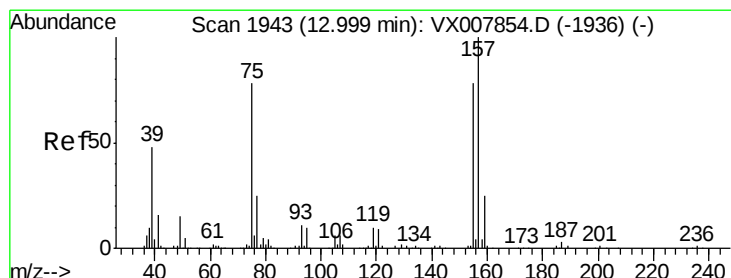
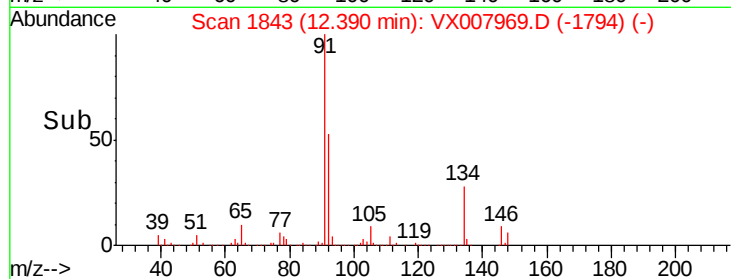
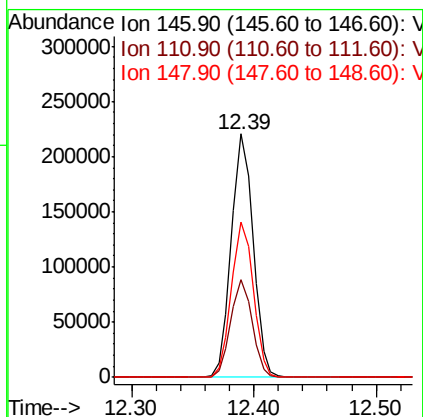
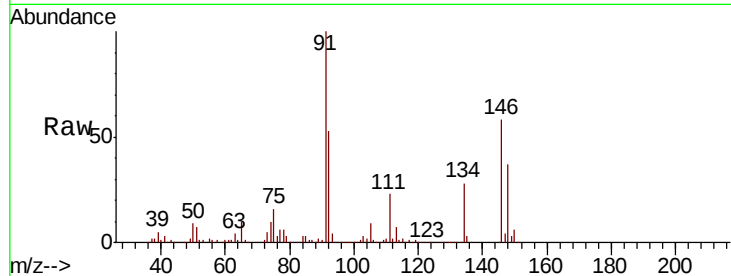
#91
 1,2-Dichlorobenzene
 Concen: 48.724 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007969.D
 Acq: 11 Mar 2019 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	64.2	31.9	95.5

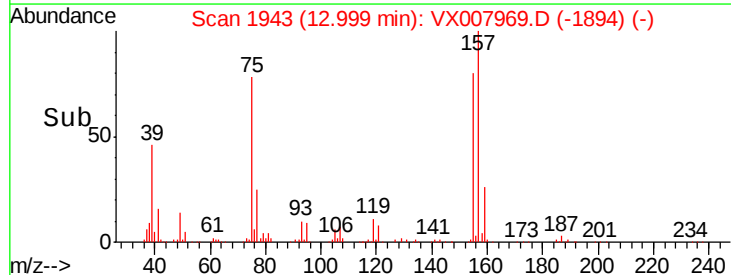
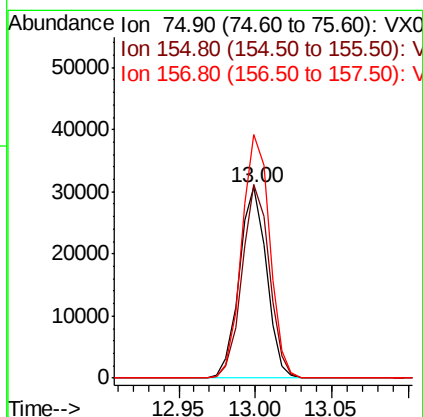
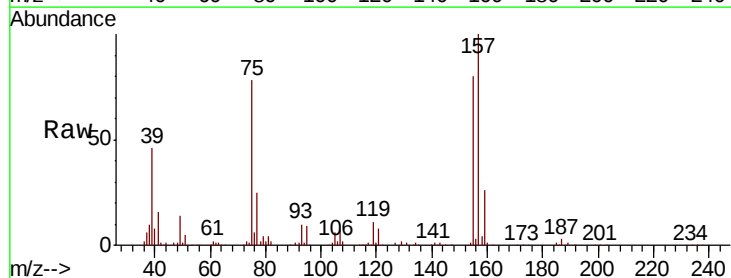
Manual Integrations
 APPROVED

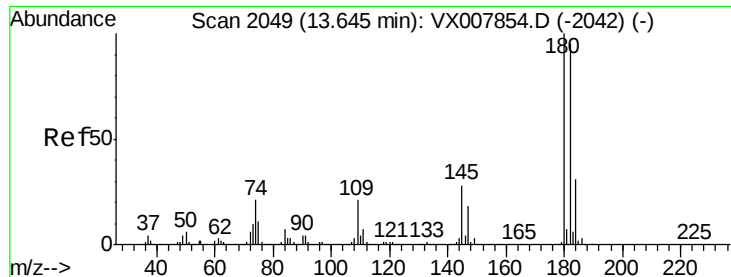
MMDadoda
 3/12/2019 2:20:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.709 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007969.D
 Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	49.7	149.1
157	130.6	63.8	191.4





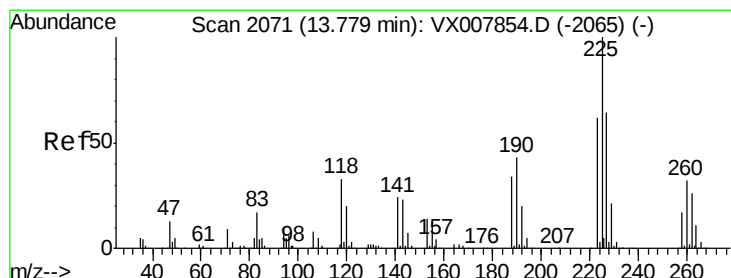
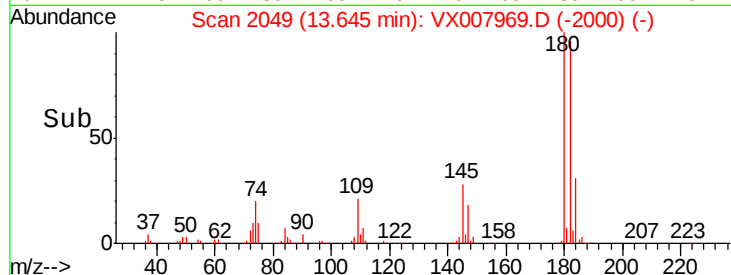
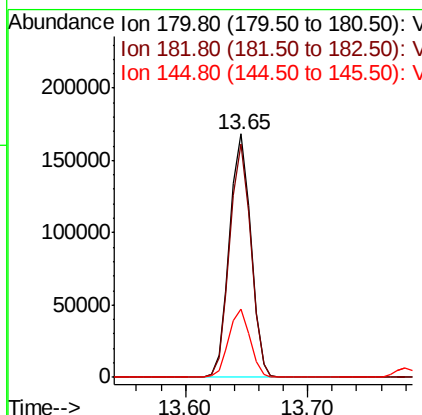
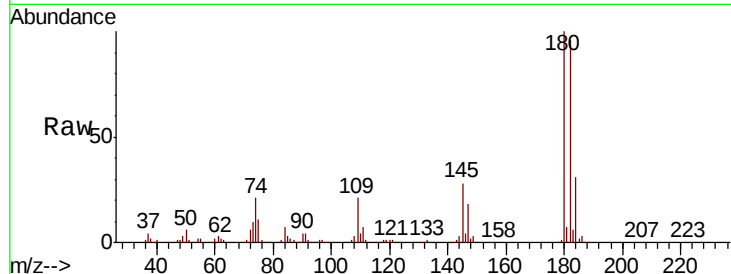
#93
 1,2,4-Trichlorobenzene
 Concen: 51.836 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007969.D
 Acq: 11 Mar 2019 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	202751		
182	95.5	47.9	143.7	
145	27.9	14.1	42.4	

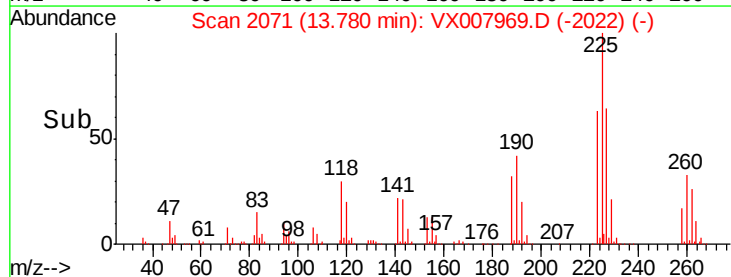
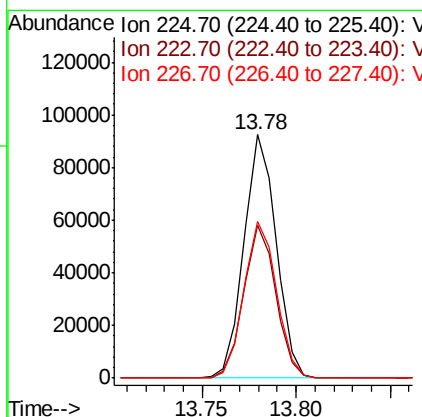
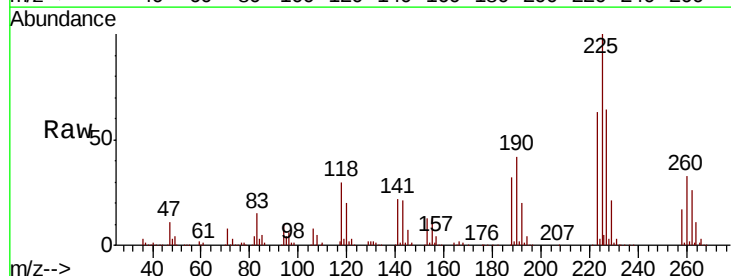
Manual Integrations
 APPROVED

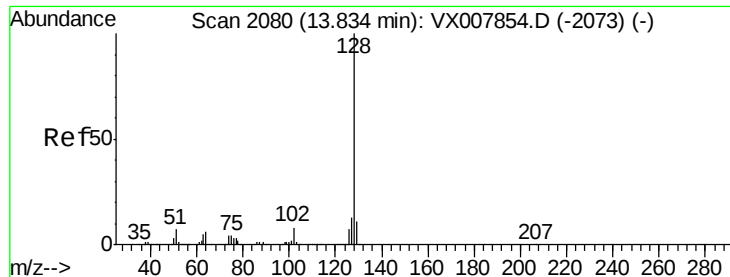
MMDadoda
 3/12/2019 2:20:37 PM



#94
 Hexachlorobutadiene
 Concen: 53.823 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007969.D
 Acq: 11 Mar 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110066		
223	62.3	31.1	93.2	
227	64.7	32.0	96.0	





#95

Naphthalene

Concen: 51.057 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_X

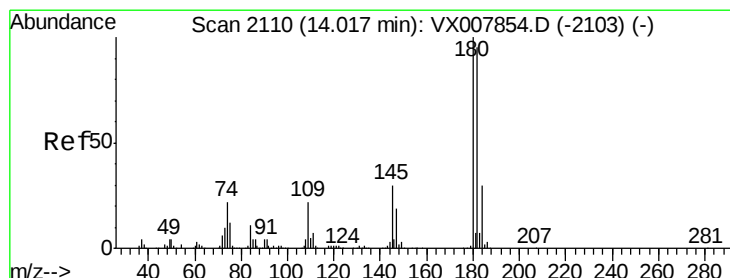
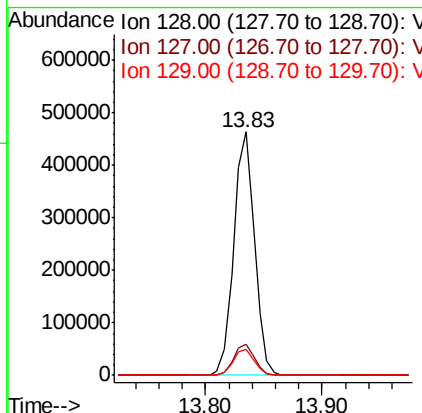
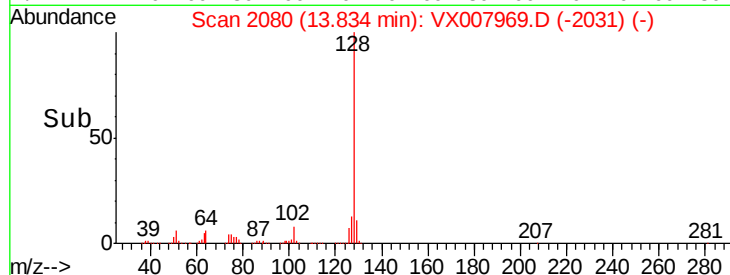
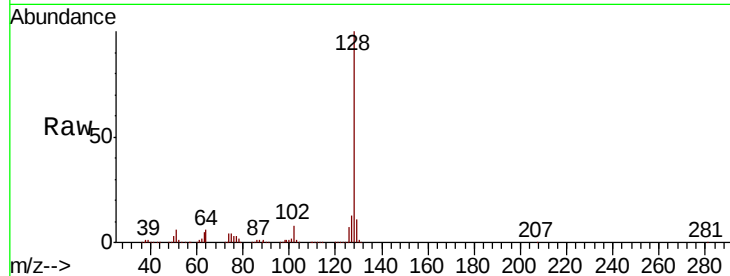
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	575423
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.075 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007969.D

Acq: 11 Mar 2019 14:33

Tgt Ion:	180	Resp:	199012
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.5	142.5
145	30.3	14.8	44.3

