

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120718\
 Data File : VX006358.D
 Acq On : 07 Dec 2018 20:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 9:57:46 AM

Quant Time: Dec 08 01:43:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	635326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	975934	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	881209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	454693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	334898	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	5.50	113	324039	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	8.71	98	1142457	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.13	95	434081	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	314408	50.542	ug/l	99
3) Chloromethane	1.33	50	294484	46.066	ug/l	100
4) Vinyl Chloride	1.41	62	323677	47.045	ug/l	100
5) Bromomethane	1.64	94	268131	56.234	ug/l	99
6) Chloroethane	1.71	64	207963	49.298	ug/l	97
7) Trichlorofluoromethane	1.93	101	513020	48.576	ug/l	98
8) Diethyl Ether	2.19	74	197352	49.375	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	294608	49.058	ug/l	98
10) Methyl Iodide	2.51	142	429427	47.450	ug/l	97
11) Tert butyl alcohol	3.07	59	403768	227.644	ug/l	100
12) 1,1-Dichloroethene	2.37	96	275951	48.001	ug/l	96
13) Acrolein	2.29	56	204238	210.679	ug/l	98
14) Allyl chloride	2.73	41	502044	44.209	ug/l	99
15) Acrylonitrile	3.15	53	886131	239.414	ug/l	100
16) Acetone	2.45	43	729196	239.577	ug/l	97
17) Carbon Disulfide	2.57	76	738261	41.675	ug/l	99
18) Methyl Acetate	2.78	43	503973	49.513	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	1007380	49.121	ug/l	99
20) Methylene Chloride	2.86	84	310337	47.909	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	292438	47.735	ug/l	100
22) Diisopropyl ether	3.87	45	899327	50.701	ug/l	98
23) Vinyl Acetate	3.82	43	3722911	246.078	ug/l	99
24) 1,1-Dichloroethane	3.70	63	523865	51.671	ug/l	99
25) 2-Butanone	4.70	43	1085133	249.864	ug/l	100
26) 2,2-Dichloropropane	4.58	77	425505	45.476	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	352837	51.633	ug/l	97
28) Bromochloromethane	5.02	49	229164	51.748	ug/l	96
29) Tetrahydrofuran	5.15	42	721506	239.043	ug/l	97
30) Chloroform	5.21	83	551859	51.797	ug/l	97
31) Cyclohexane	5.57	56	443614	47.346	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	501846	49.505	ug/l	99
36) 1,1-Dichloropropene	5.80	75	391959	47.693	ug/l	100
37) Ethyl Acetate	4.85	43	423944	46.063	ug/l	99
38) Carbon Tetrachloride	5.78	117	453178	46.873	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	498729	46.751	ug/l	98
40) Benzene	6.14	78	1204707	48.943	ug/l	99
41) Methacrylonitrile	5.06	41	236766	46.752	ug/l	99
42) 1,2-Dichloroethane	6.20	62	404334	50.191	ug/l	100
43) Isopropyl Acetate	6.46	43	696136	45.366	ug/l	99
44) Trichloroethene	7.21	130	362404	48.600	ug/l	100
45) 1,2-Dichloropropane	7.51	63	298512	47.717	ug/l	100
46) Dibromomethane	7.66	93	222207	49.181	ug/l	97
47) Bromodichloromethane	7.90	83	417213	47.684	ug/l	99
48) Methyl methacrylate	7.77	41	341381	45.730	ug/l	97
49) 1,4-Dioxane	7.75	88	174967	950.967	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2096425	234.685	ug/l	99
52) Toluene	8.79	92	790770	48.831	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	466259	45.566	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	496996	46.775	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	331315	50.360	ug/l	99
56) Ethyl methacrylate	9.18	69	493030	47.937	ug/l	98
57) 1,3-Dichloropropane	9.37	76	521785	50.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1249568	239.422	ug/l	100
59) 2-Hexanone	9.49	43	1553468	227.622	ug/l	99
60) Dibromochloromethane	9.59	129	379136	46.735	ug/l	99
61) 1,2-Dibromoethane	9.67	107	361030	49.078	ug/l	100
64) Tetrachloroethene	9.34	164	320476	48.291	ug/l	97
65) Chlorobenzene	10.14	112	934751	49.970	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	356101	48.996	ug/l	99
67) Ethyl Benzene	10.25	91	1520746	48.880	ug/l	99
68) m/p-Xylenes	10.36	106	1216996	97.652	ug/l	99
69) o-Xylene	10.70	106	604000	49.066	ug/l	100
70) Styrene	10.71	104	968618	48.650	ug/l	98
71) Bromoform	10.86	173	301911	44.005	ug/l #	100
73) Isopropylbenzene	11.02	105	1595045	50.797	ug/l	100
74) N-amyl acetate	10.90	43	609242	45.057	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	492774	49.053	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	457441m	52.122	ug/l	
77) Bromobenzene	11.26	156	429558	49.294	ug/l	99
78) n-propylbenzene	11.36	91	1751827	50.189	ug/l	100
79) 2-Chlorotoluene	11.42	91	1033325	49.808	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1312543	50.239	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	157710	42.171	ug/l	92
82) 4-Chlorotoluene	11.51	91	1191283	49.389	ug/l	100
83) tert-Butylbenzene	11.77	119	1390095	49.868	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1349041	50.006	ug/l	99
85) sec-Butylbenzene	11.94	105	1619909	51.081	ug/l	100
86) p-Isopropyltoluene	12.06	119	1438182	50.364	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	770767	49.709	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	762217	48.432	ug/l	99
89) n-Butylbenzene	12.39	91	1200163	49.257	ug/l	99
90) Hexachloroethane	12.60	117	271601	46.667	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	755817	49.115	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	112608	43.729	ug/l	96

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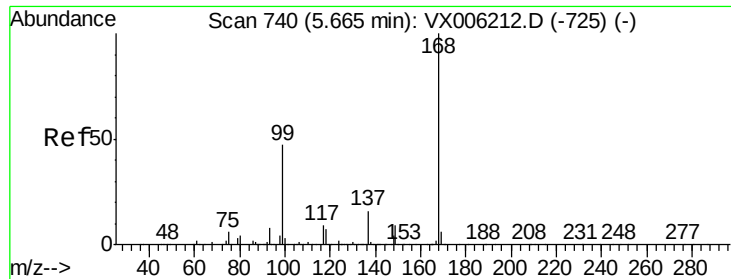
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	545719	48.607	ug/l	99
94) Hexachlorobutadiene	13.78	225	244744	49.293	ug/l	99
95) Naphthalene	13.83	128	1725597	49.411	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	542005	48.741	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: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 635326

Ion Ratio Lower Upper

168 100

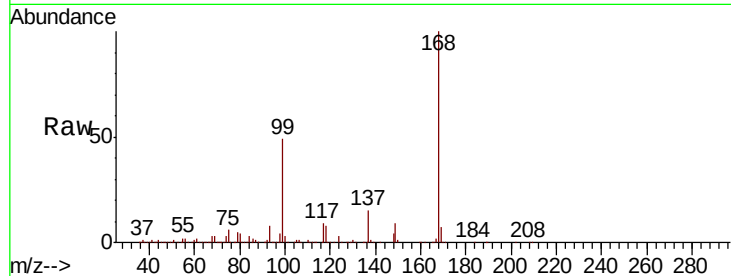
99 48.5 37.8 56.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

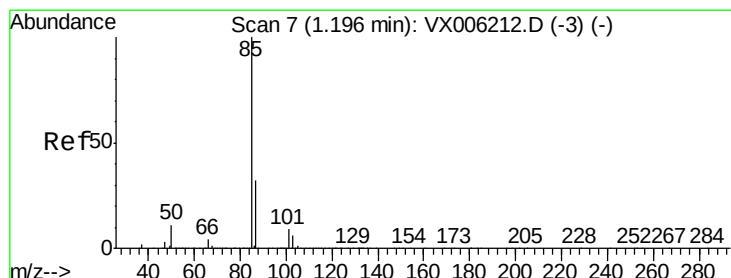
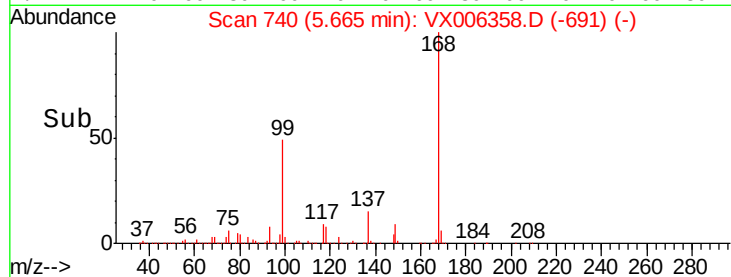
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.542 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006358.D

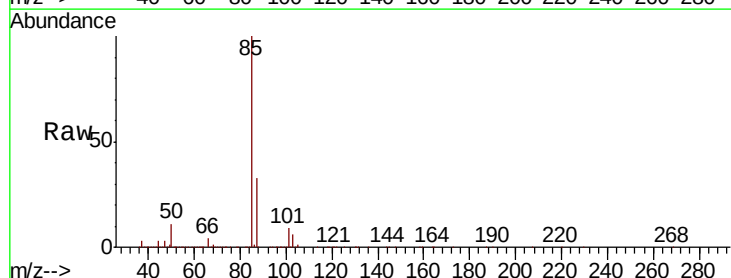
Acq: 07 Dec 2018 20:05

Tgt Ion: 85 Resp: 314408

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

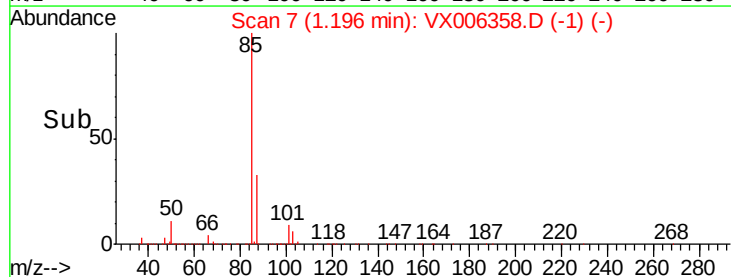
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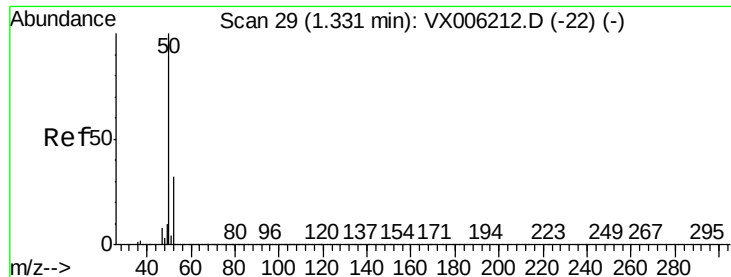
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.066 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 294484

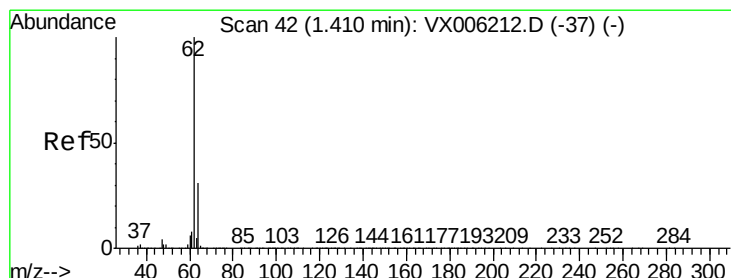
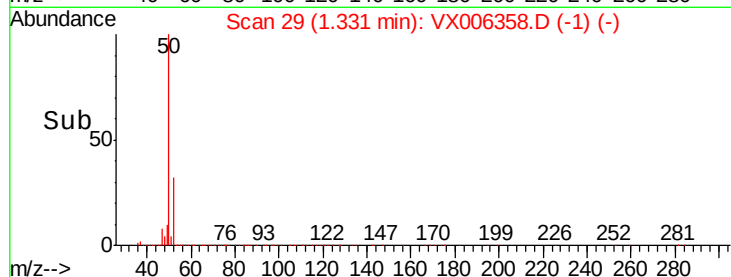
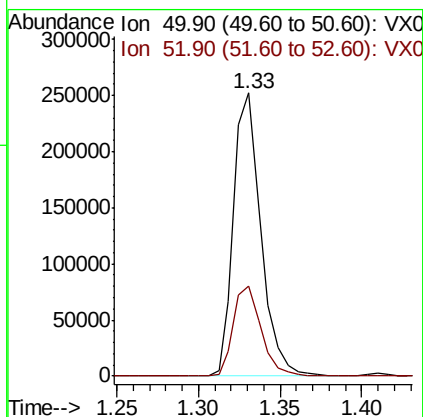
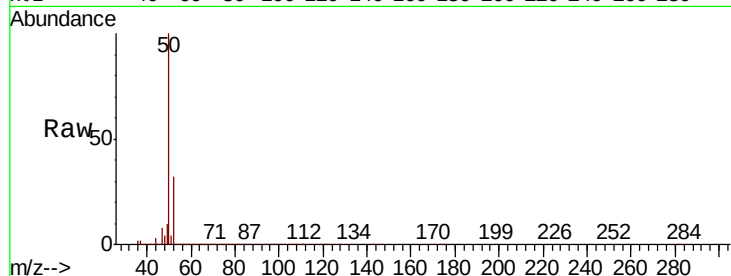
Ion Ratio Lower Upper

50 100

52 31.8 25.2 37.8

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#4

Vinyl Chloride

Concen: 47.045 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006358.D

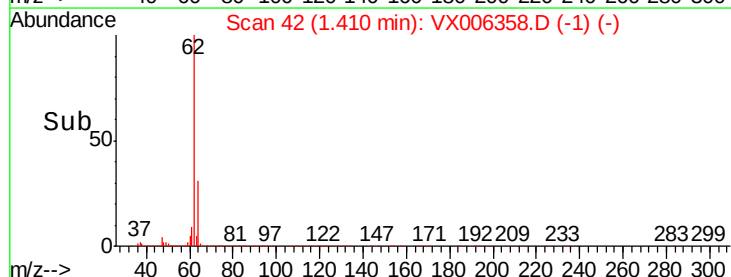
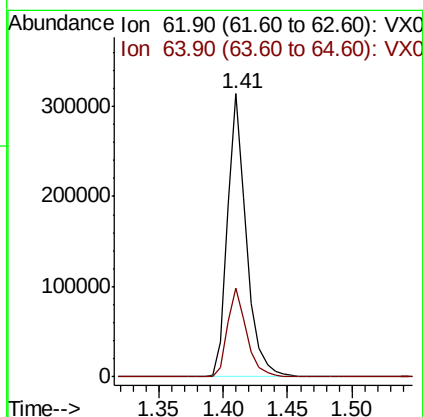
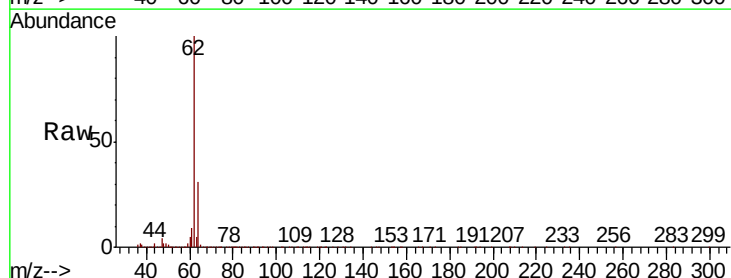
Acq: 07 Dec 2018 20:05

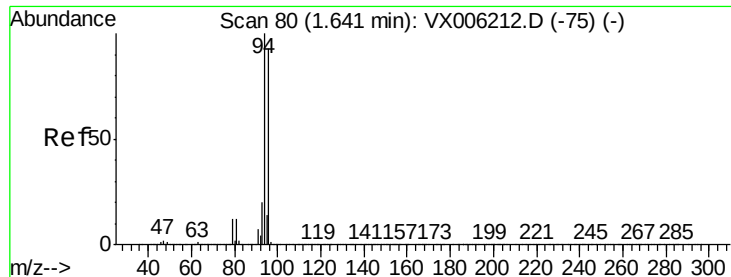
Tgt Ion: 62 Resp: 323677

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 56.234 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 268131

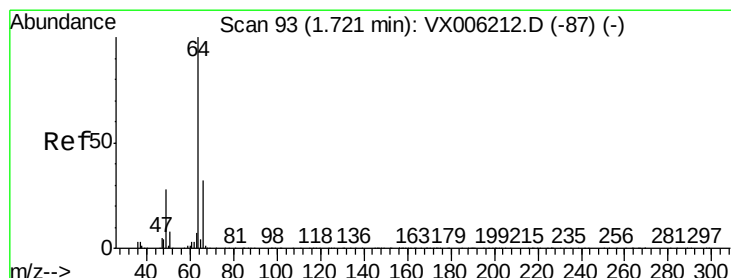
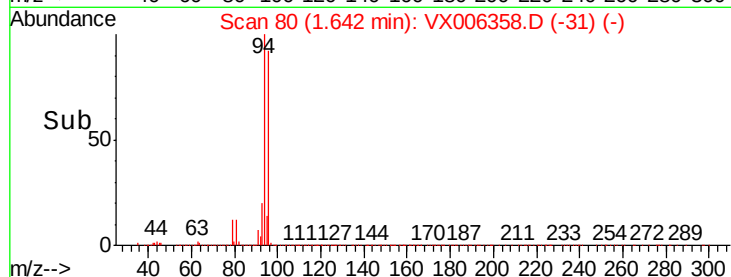
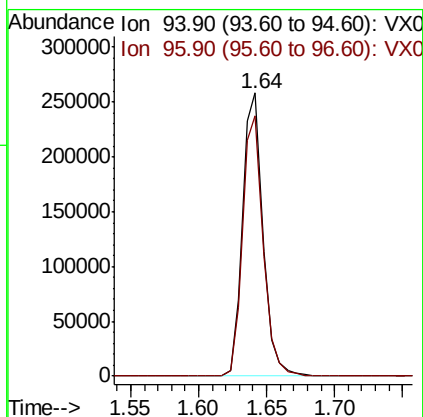
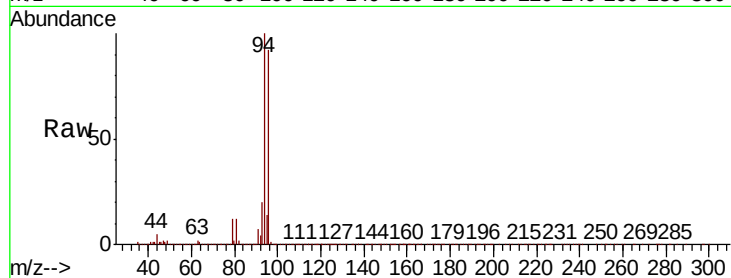
Ion Ratio Lower Upper

94 100

96 92.1 74.5 111.7

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#6

Chloroethane

Concen: 49.298 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006358.D

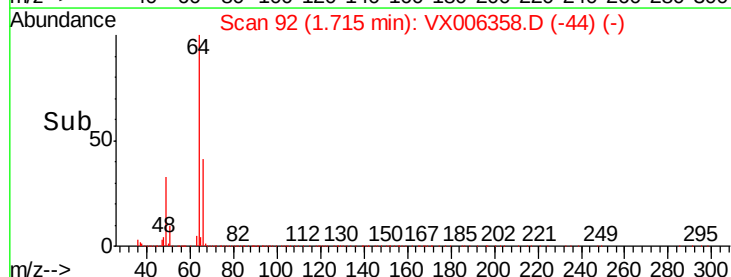
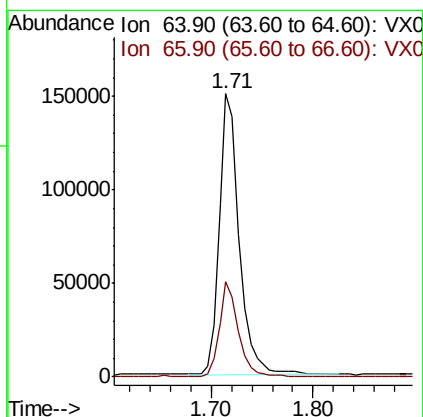
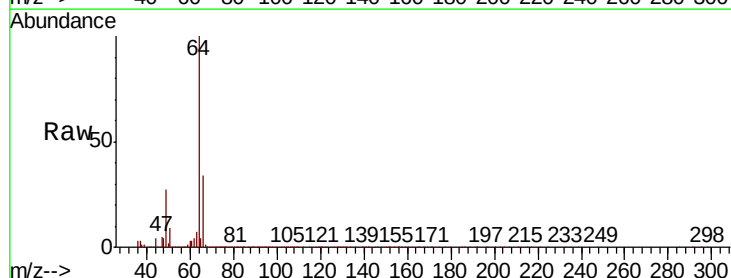
Acq: 07 Dec 2018 20:05

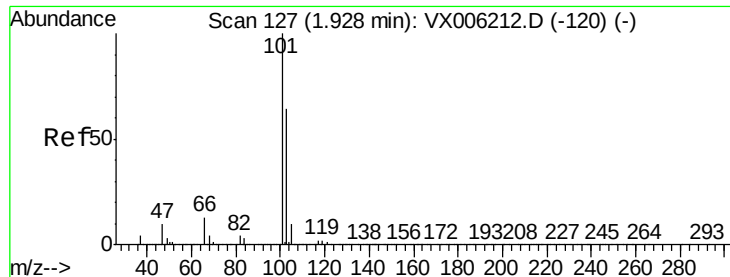
Tgt Ion: 64 Resp: 207963

Ion Ratio Lower Upper

64 100

66 34.0 25.9 38.9





#7

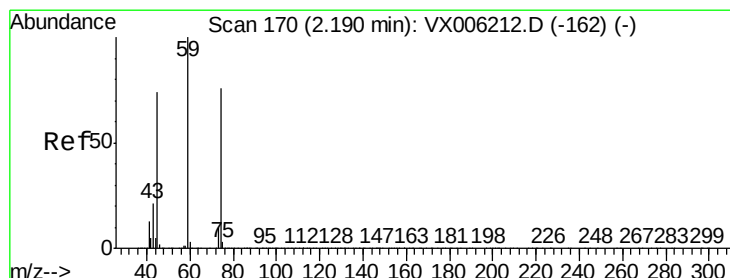
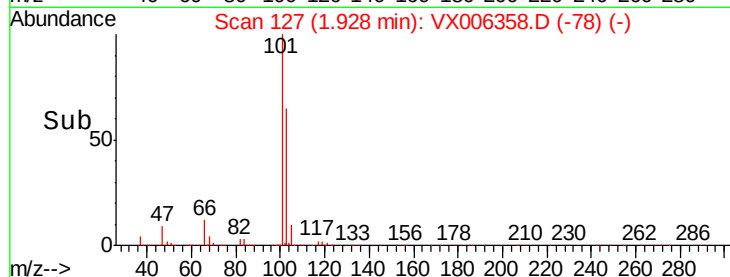
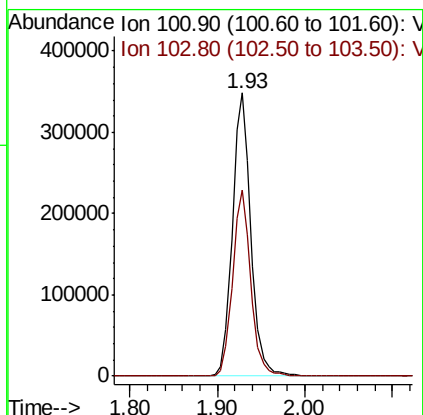
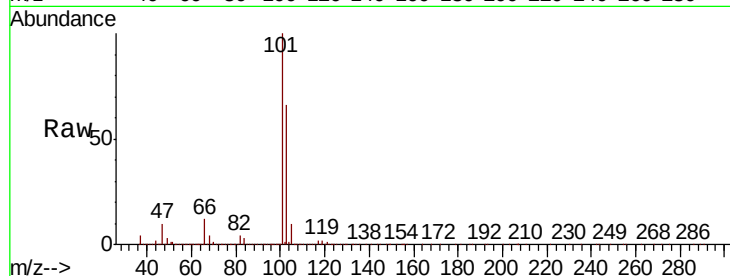
Trichlorofluoromethane
Concen: 48.576 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.4

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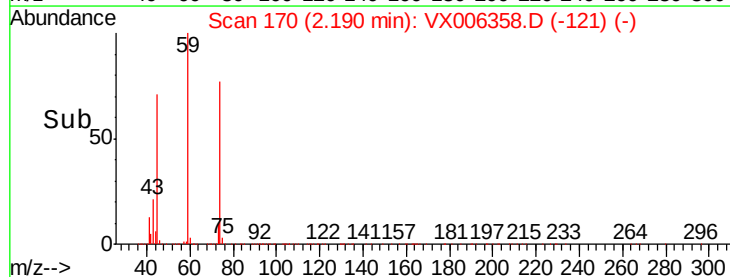
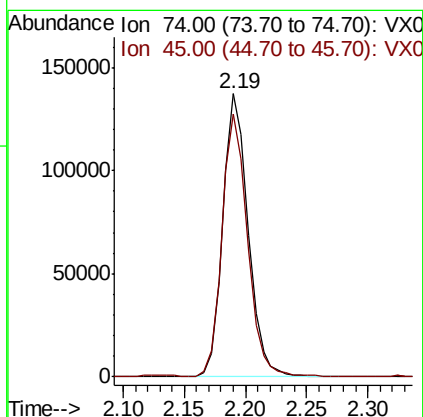
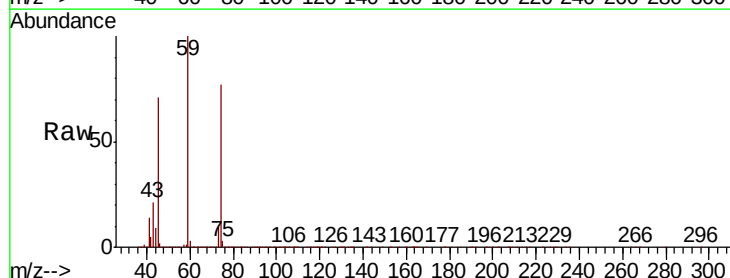
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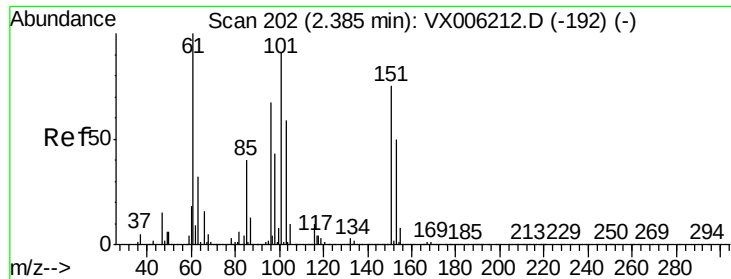


#8

Diethyl Ether
Concen: 49.375 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.058 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

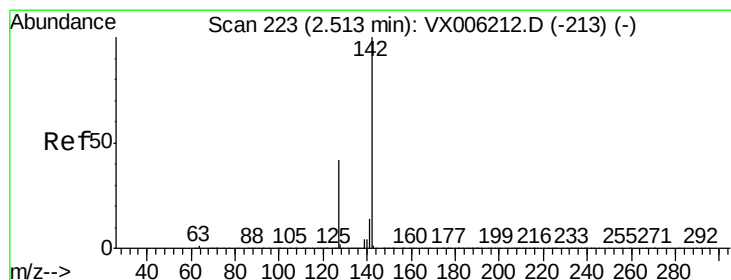
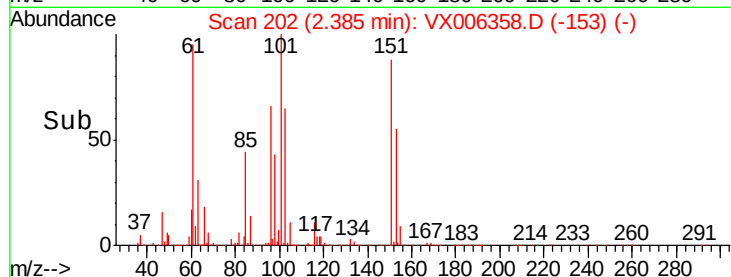
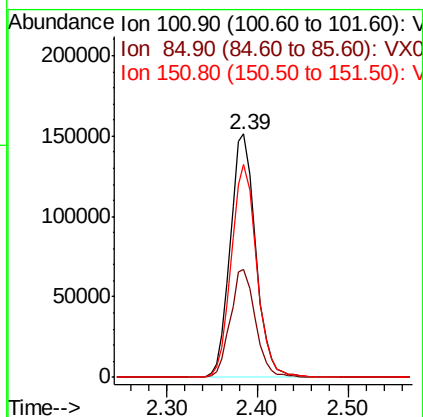
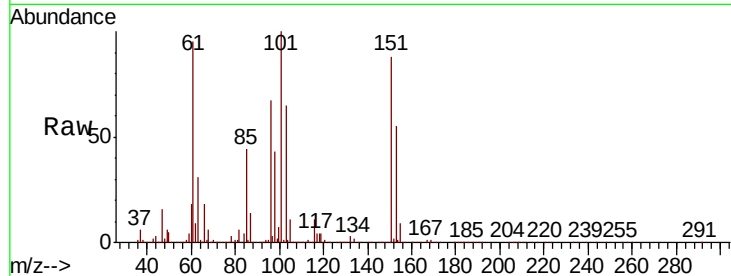
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	294608
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.5	53.3
151	87.6	68.6	103.0

Manual Integrations
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#10

Methyl Iodide

Concen: 47.450 ug/l

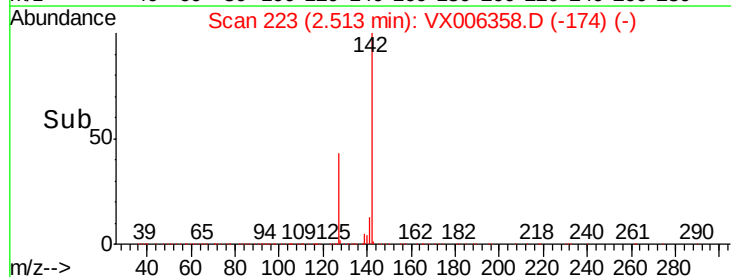
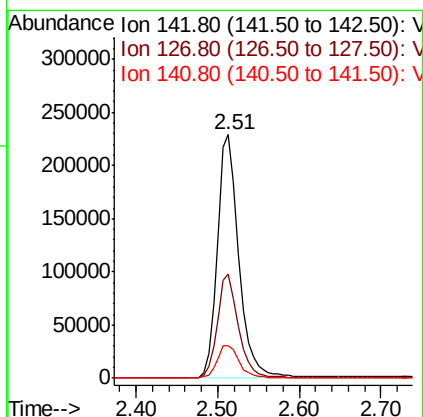
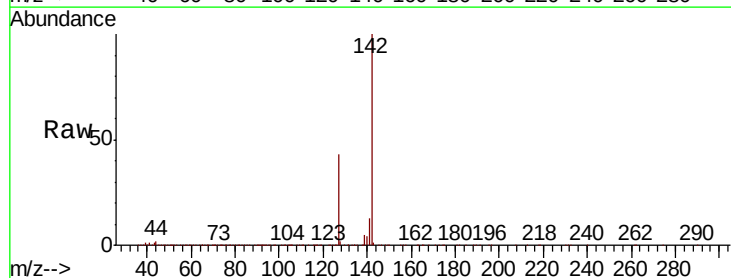
RT: 2.51 min Scan# 223

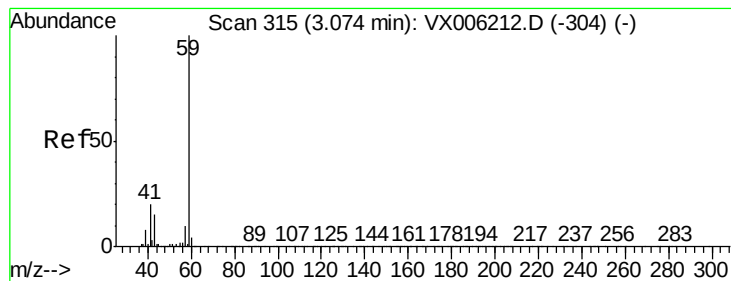
Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tgt Ion:	142	Resp:	429427
Ion Ratio	Lower	Upper	
142	100		
127	41.4	34.8	52.2
141	13.8	11.4	17.2





#11

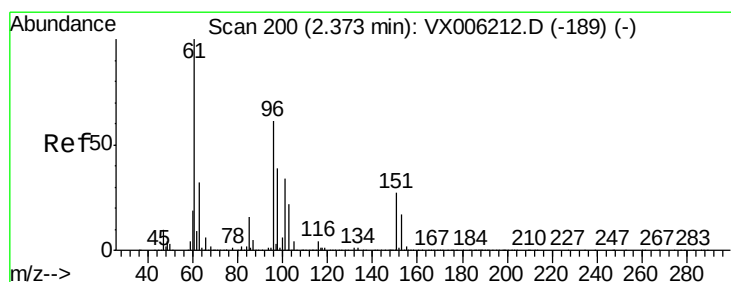
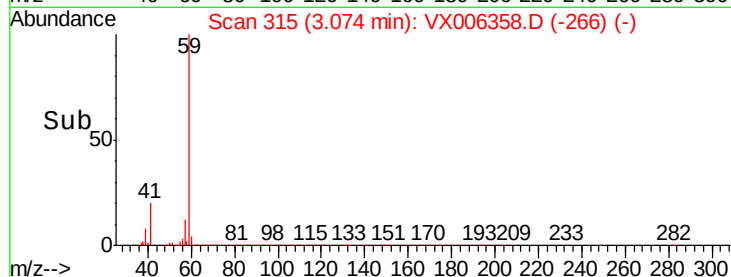
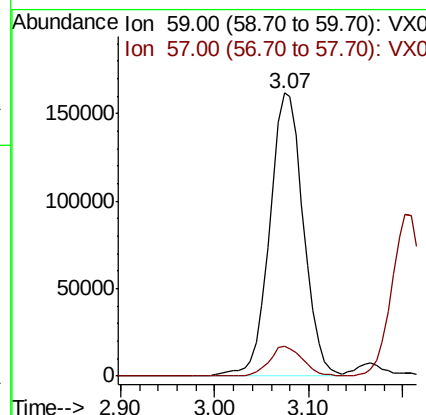
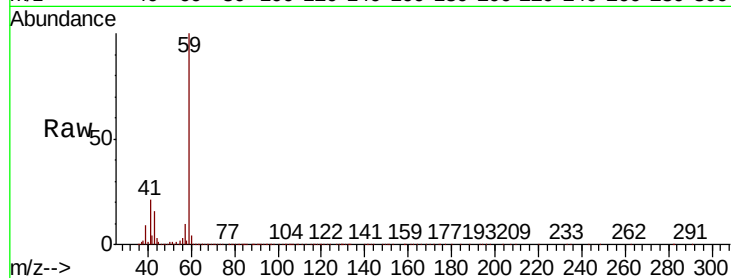
Tert butyl alcohol
Concen: 227.644 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

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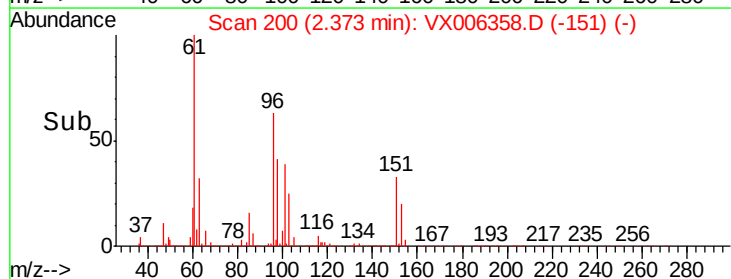
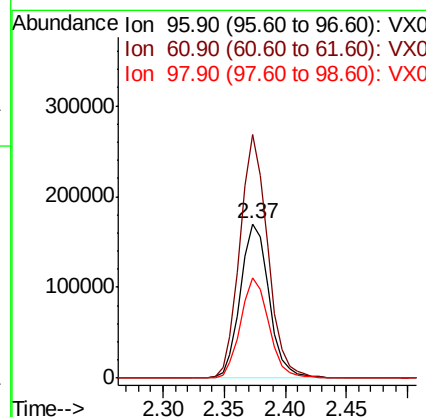
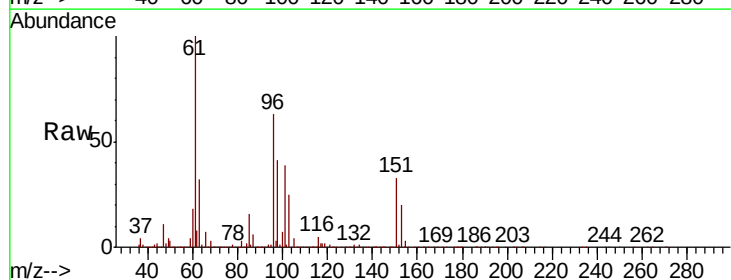
MMDadoda
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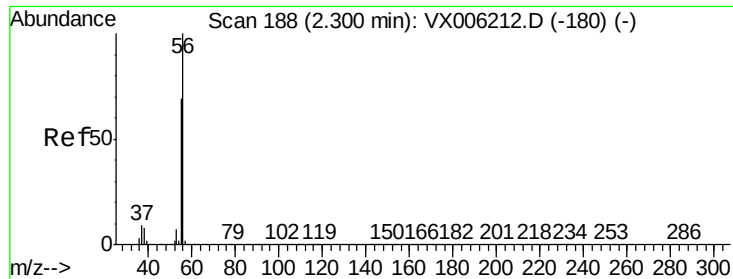


#12

1,1-Dichloroethene
Concen: 48.001 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	131.7	197.5
98	65.1	51.8	77.6





#13

Acrolein

Concen: 210.679 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 204238

Ion Ratio Lower Upper

56 100

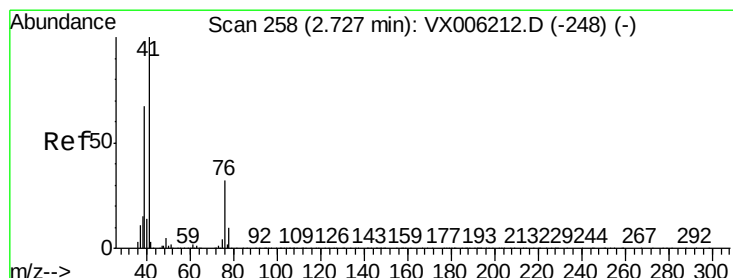
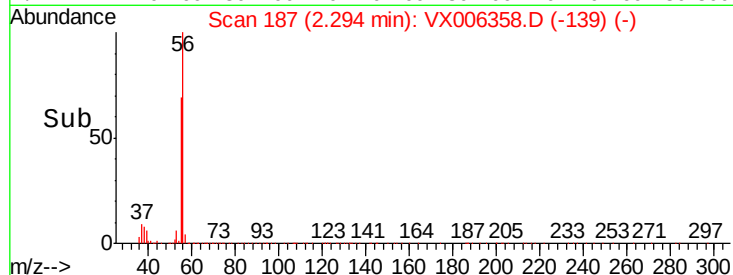
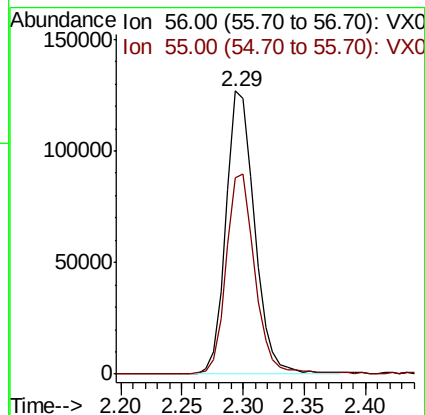
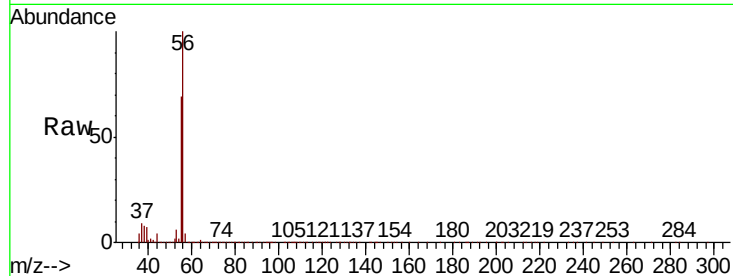
55 70.6 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 44.209 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

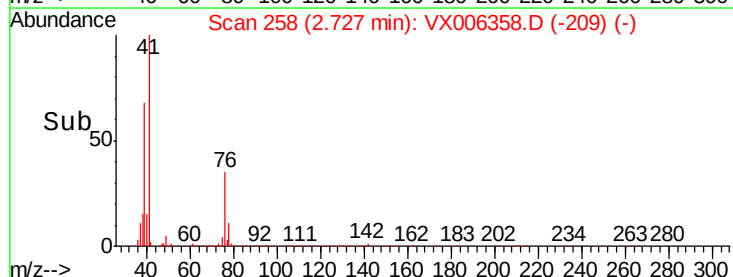
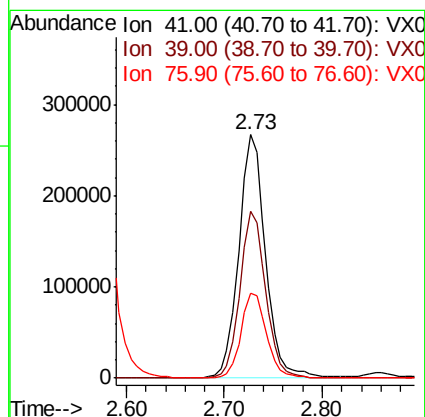
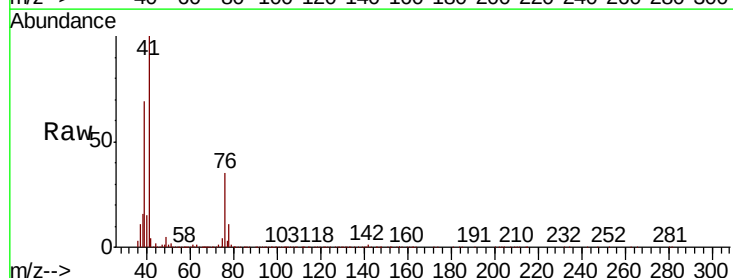
Tgt Ion: 41 Resp: 502044

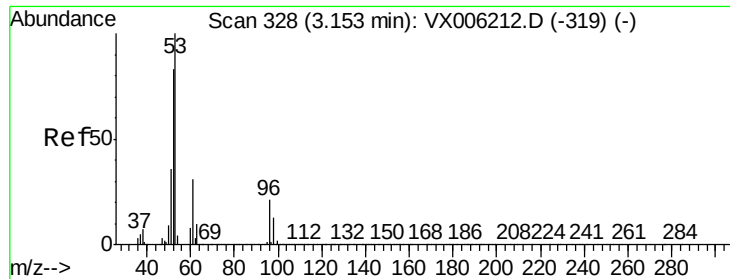
Ion Ratio Lower Upper

41 100

39 66.0 52.4 78.6

76 33.4 25.4 38.0





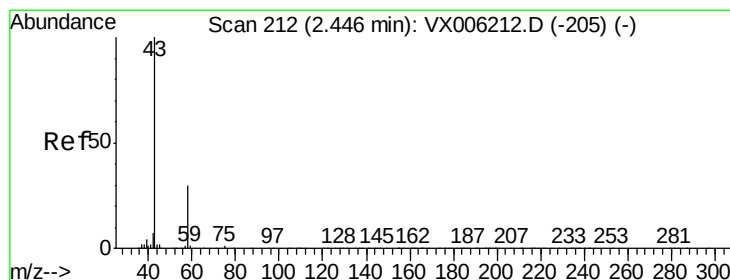
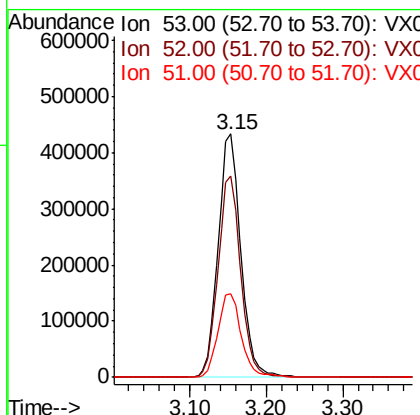
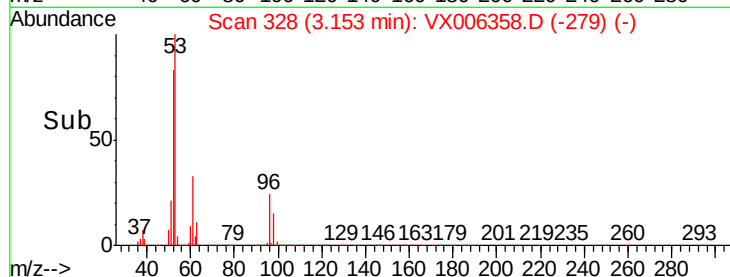
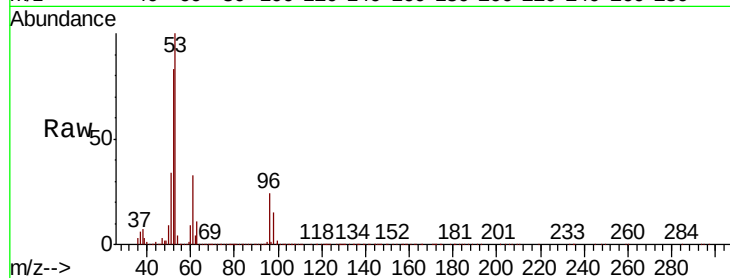
#15
 Acrylonitrile
 Concen: 239.414 ug/l
 RT: 3.15 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	886131
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.2	99.4
51	35.8	28.7	43.1

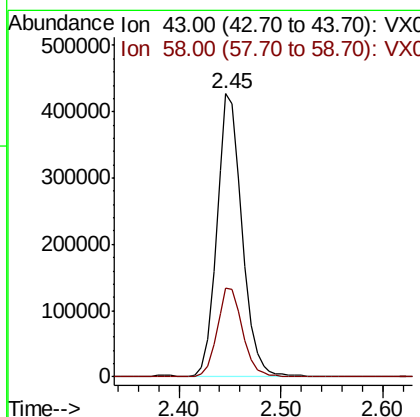
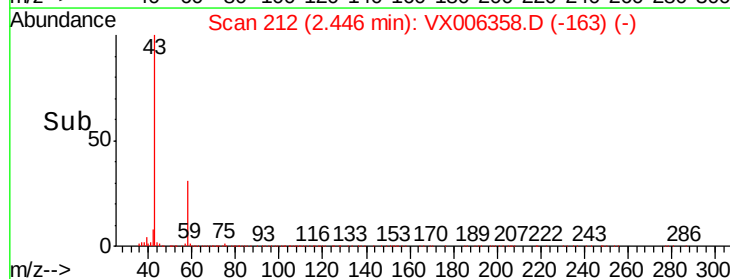
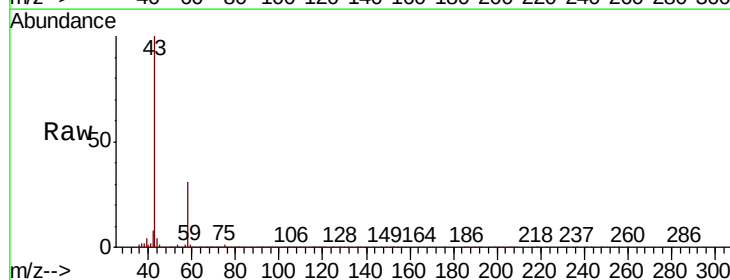
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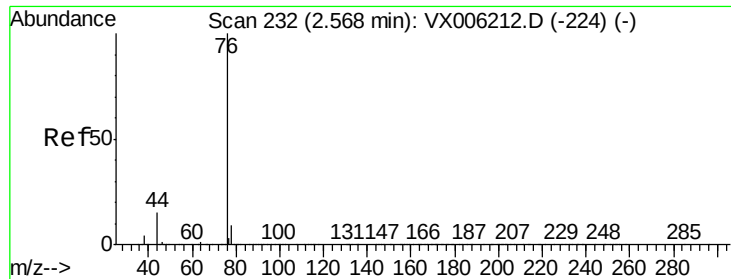
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#16
 Acetone
 Concen: 239.577 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Tgt Ion:	43	Resp:	729196
Ion Ratio		Lower	Upper
43	100		
58	31.4	24.0	36.0





#17

Carbon Disulfide

Concen: 41.675 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 738261

Ion Ratio Lower Upper

76 100

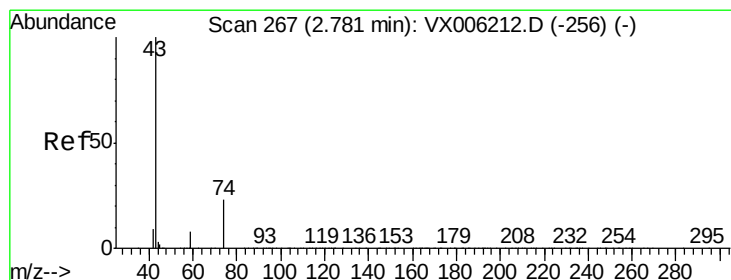
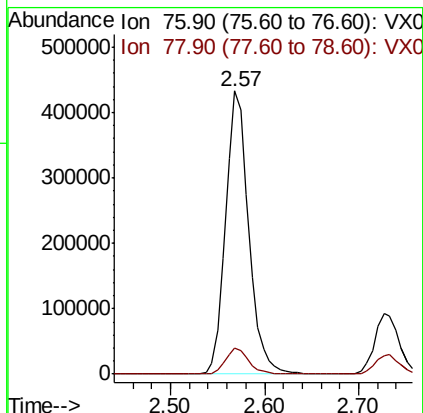
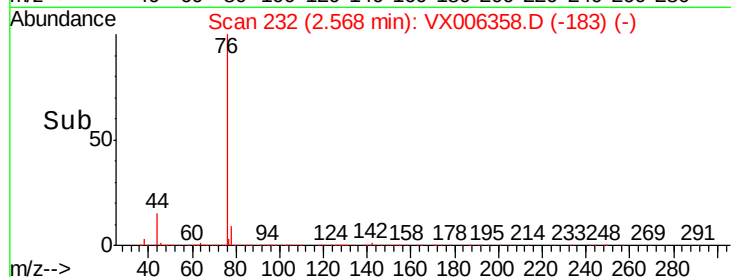
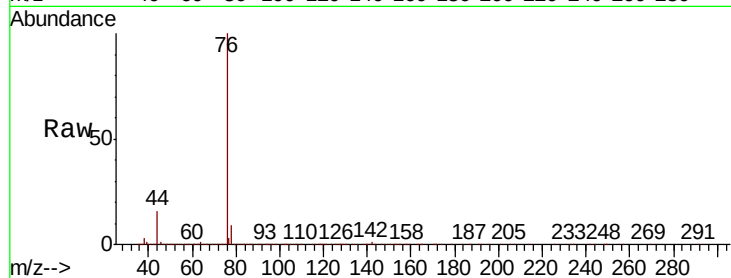
78 9.1 7.1 10.7

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#18

Methyl Acetate

Concen: 49.513 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006358.D

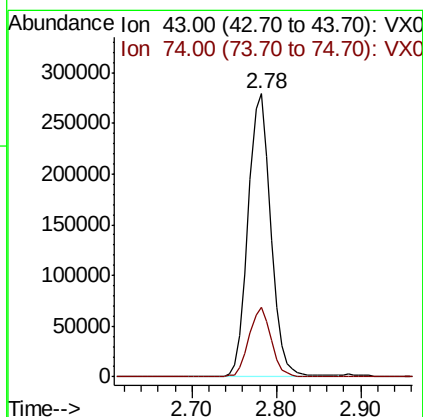
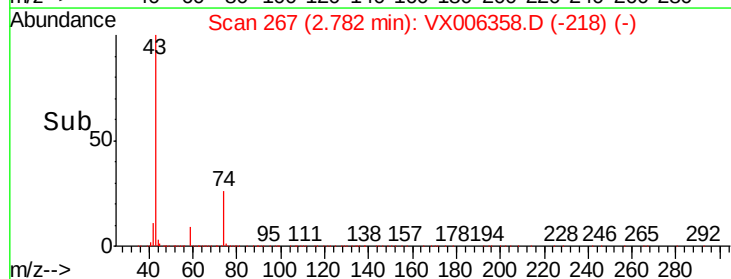
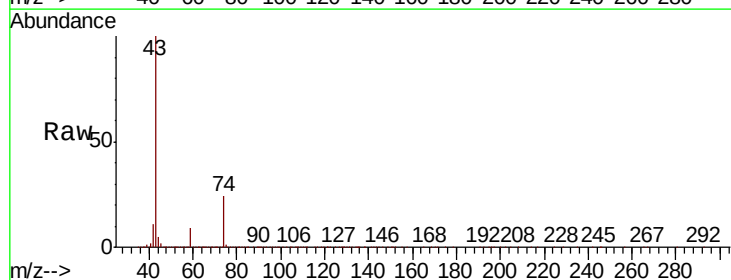
Acq: 07 Dec 2018 20:05

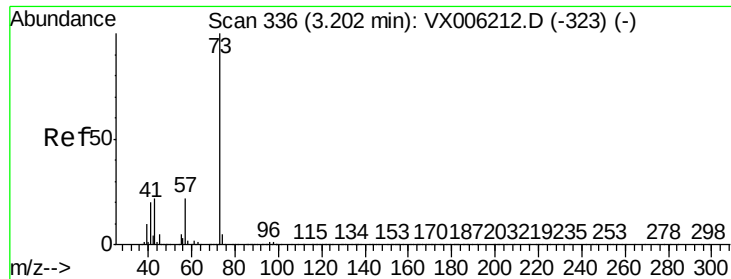
Tgt Ion: 43 Resp: 503973

Ion Ratio Lower Upper

43 100

74 24.5 17.9 26.9





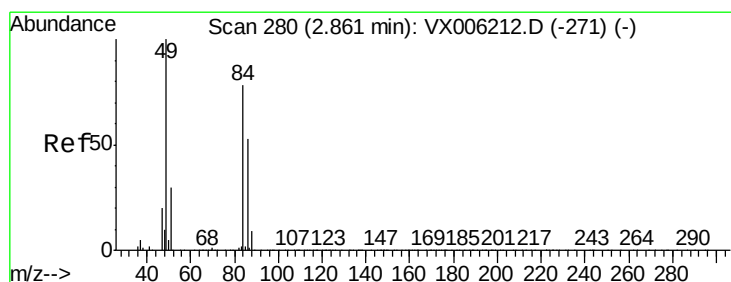
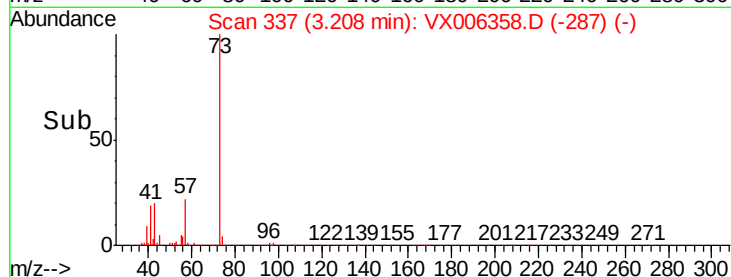
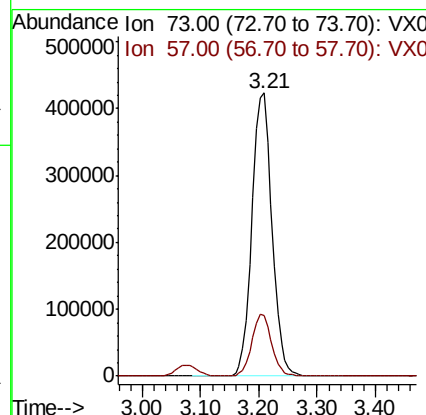
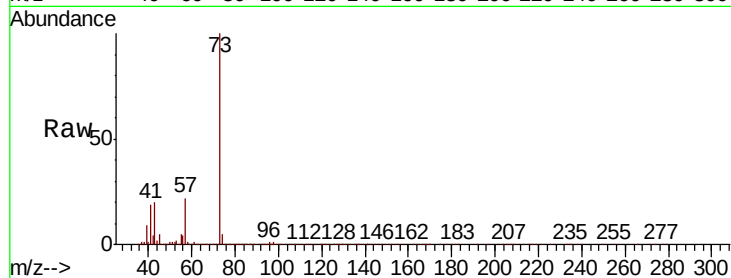
#19
Methyl tert-butyl Ether
Concen: 49.121 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.5	26.3

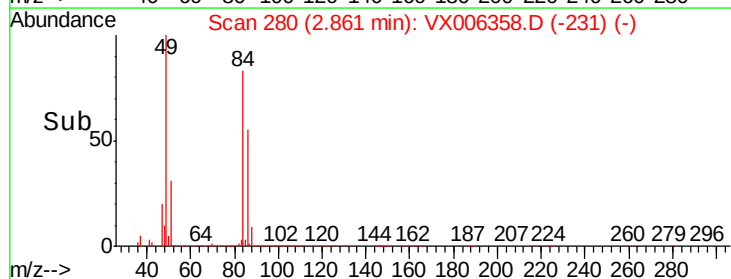
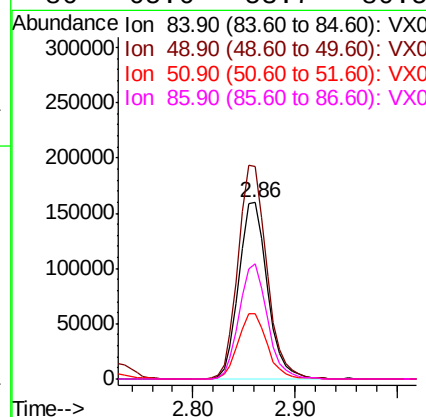
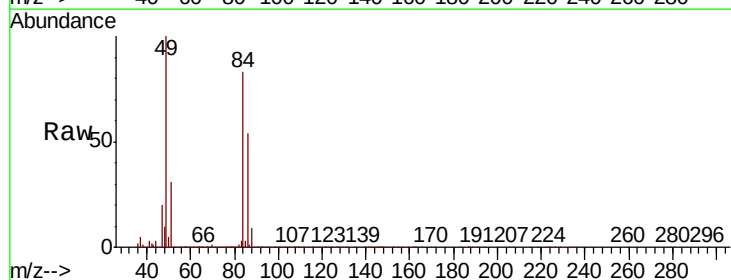
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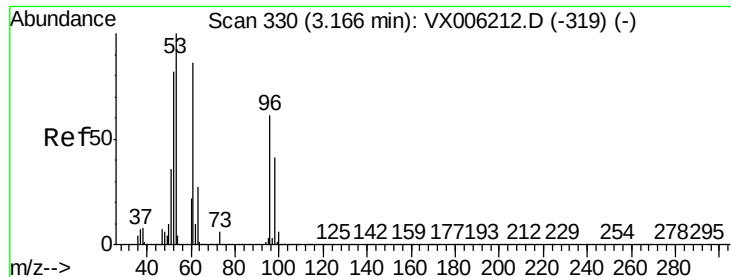
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#20
Methylene Chloride
Concen: 47.909 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.4	102.2	153.4
51	37.1	31.1	46.7
86	65.6	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 47.735 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

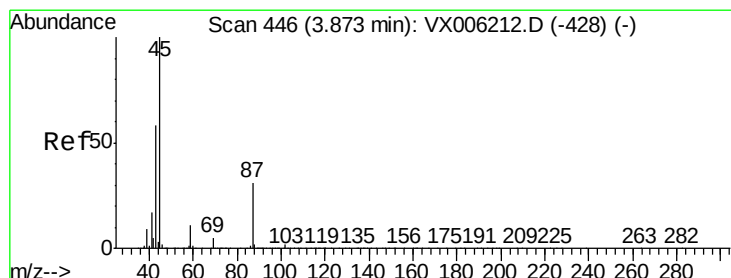
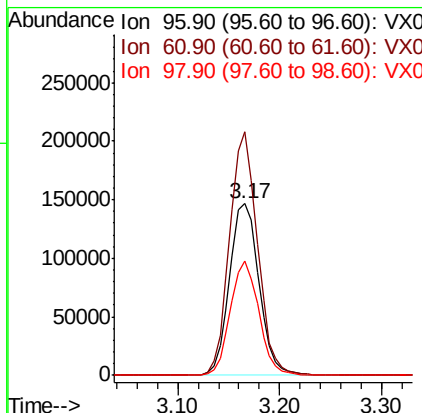
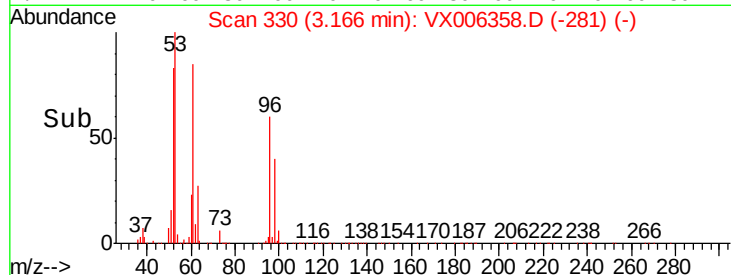
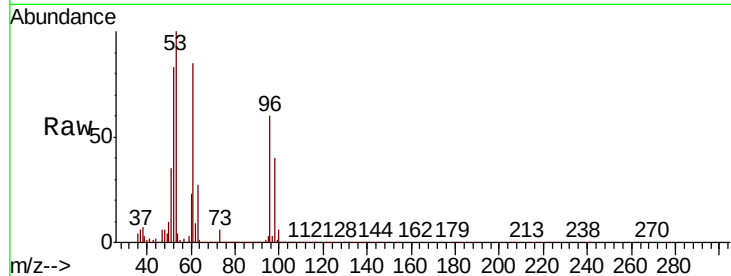
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	292438
Ion Ratio	Lower	Upper	
96	100		
61	141.8	113.3	169.9
98	66.8	53.2	79.8

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#22

Diisopropyl ether

Concen: 50.701 ug/l

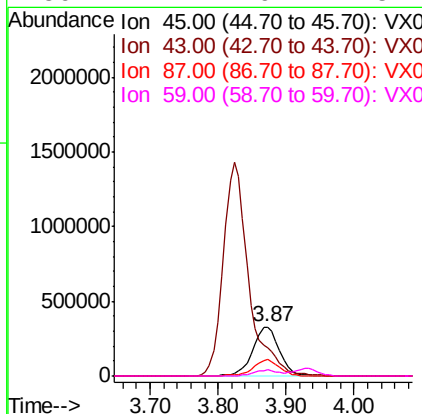
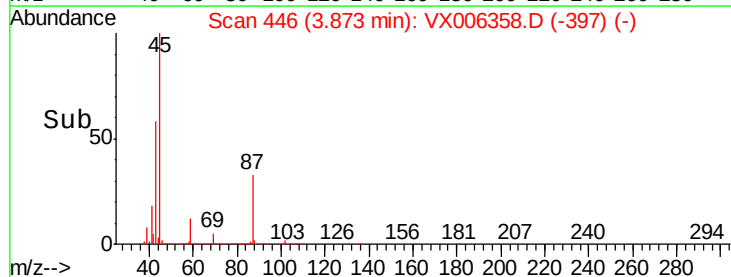
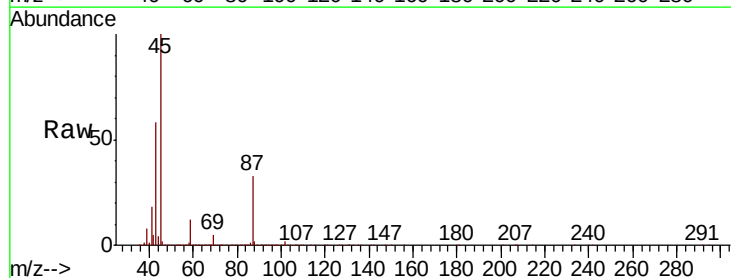
RT: 3.87 min Scan# 446

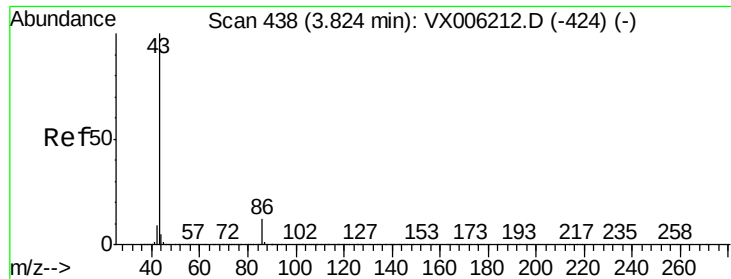
Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tgt Ion:	45	Resp:	899327
Ion Ratio	Lower	Upper	
45	100		
43	57.7	46.2	69.2
87	33.2	24.9	37.3
59	12.4	9.1	13.7





#23

Vinyl Acetate

Concen: 246.078 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3722911

Ion Ratio Lower Upper

43 100

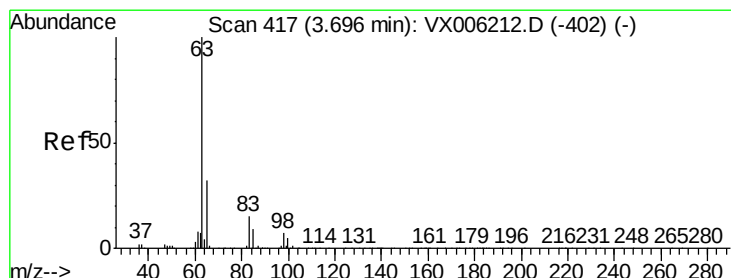
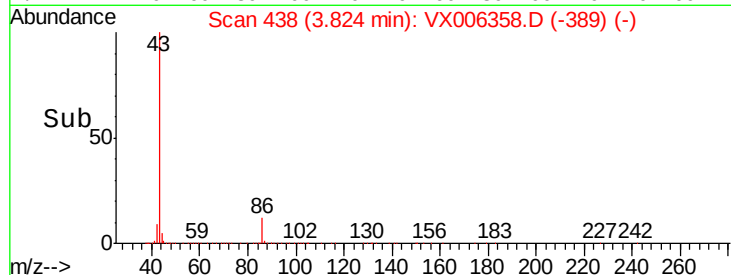
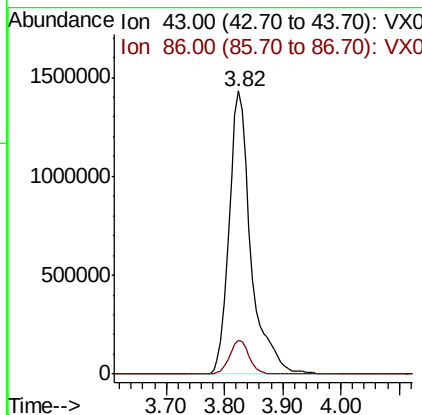
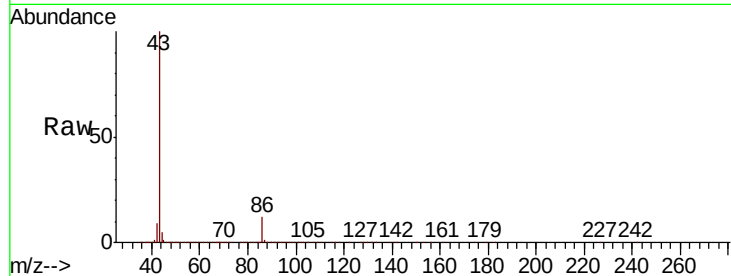
86 11.9 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 51.671 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

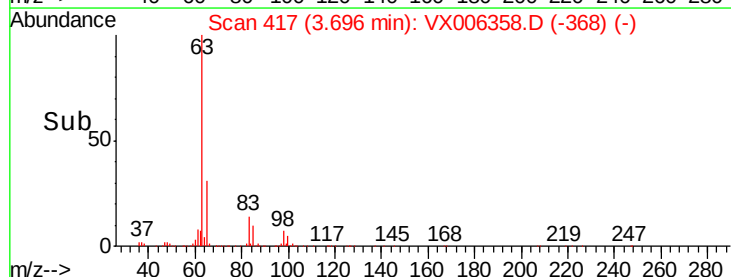
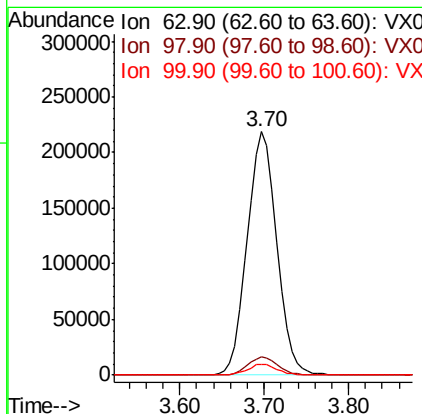
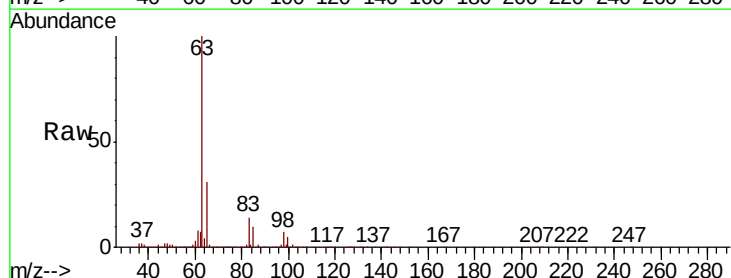
Tgt Ion: 63 Resp: 523865

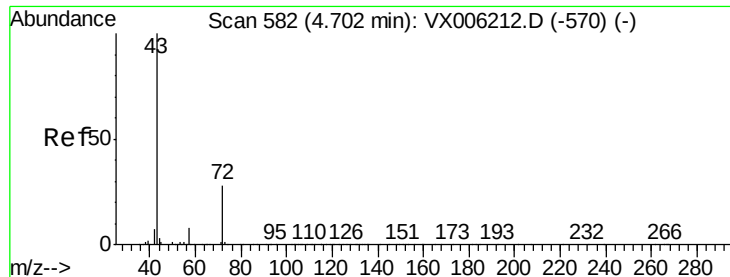
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 249.864 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tot Ion: 43 Resp: 1085133

Ion Ratio Lower Upper

43 100

72 28.1 22.6 33.8

Instrument :

MSVOA_X

ClientSampleId :

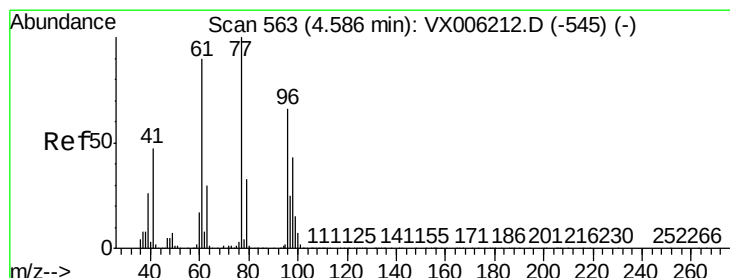
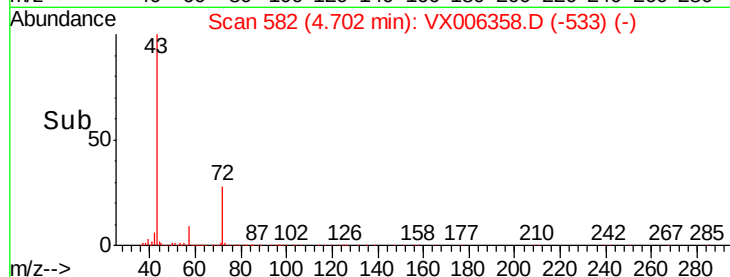
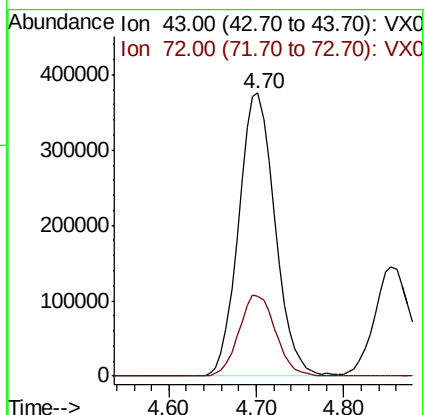
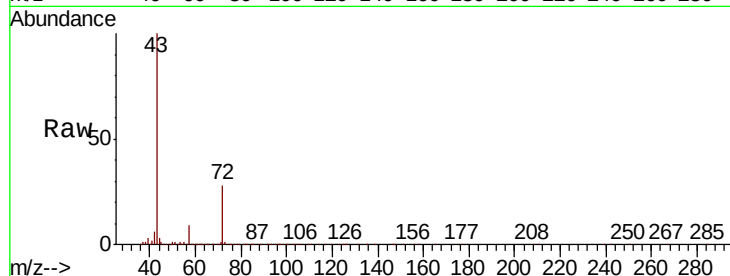
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 45.476 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006358.D

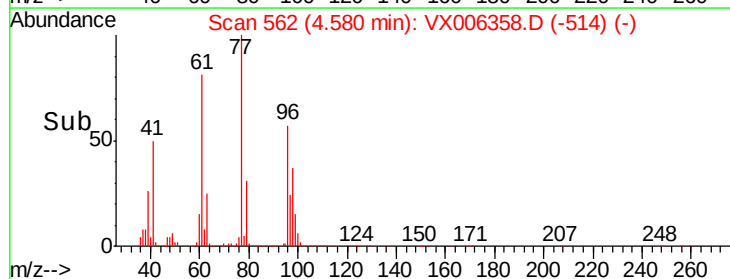
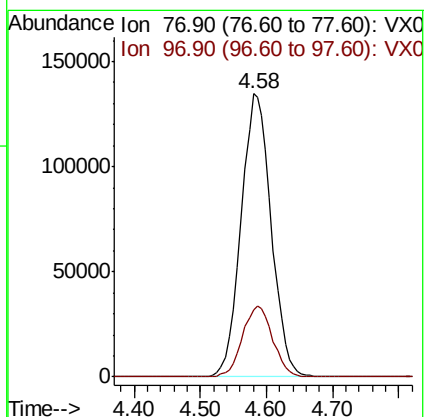
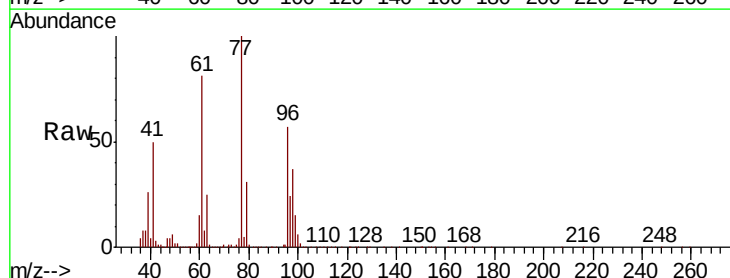
Acq: 07 Dec 2018 20:05

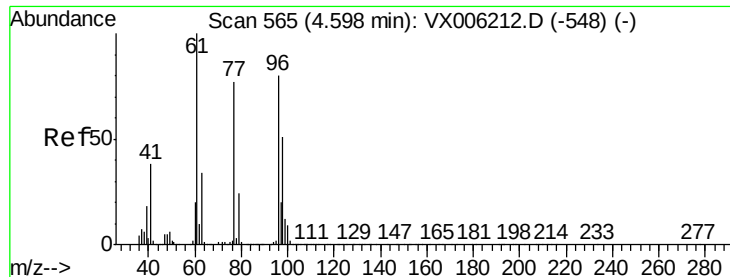
Tgt Ion: 77 Resp: 425505

Ion Ratio Lower Upper

77 100

97 25.1 12.3 36.8





#27

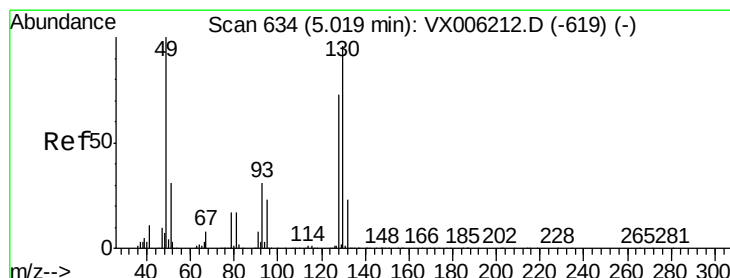
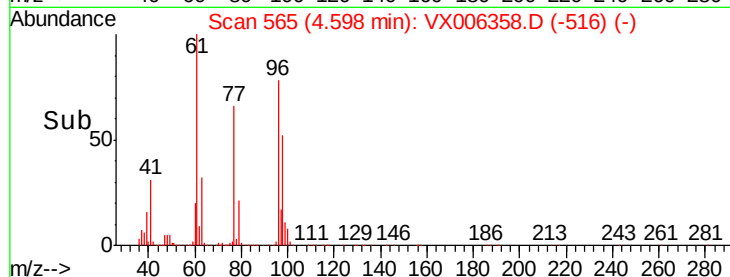
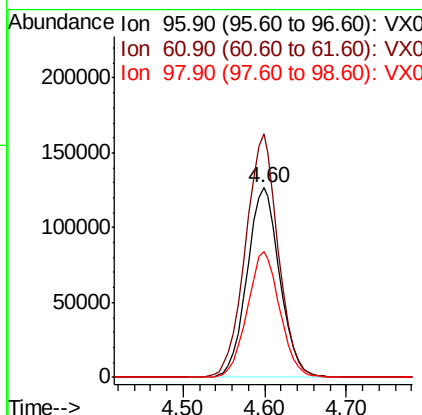
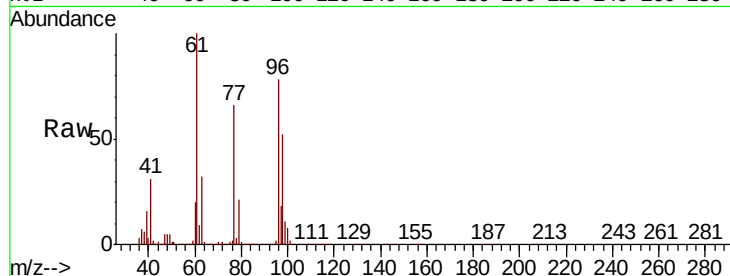
cis-1,2-Dichloroethene
Concen: 51.633 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	352837		
61	128.5		0.0	265.0
98	66.2		0.0	130.2

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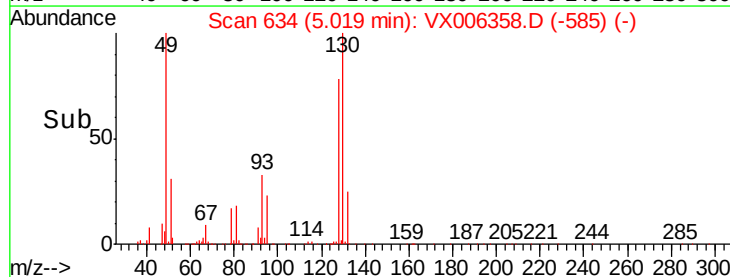
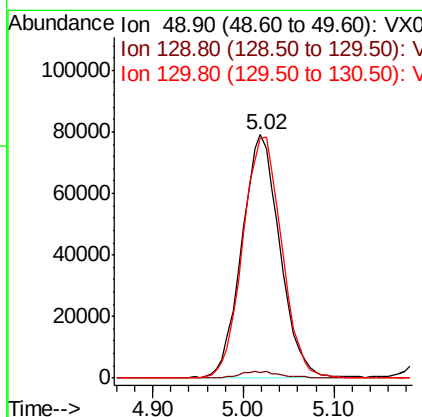
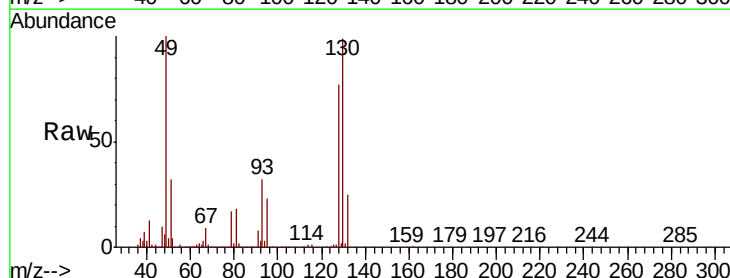
MMDadoda
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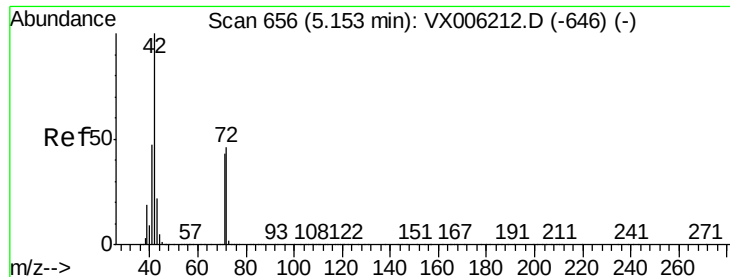


#28

Bromochloromethane
Concen: 51.748 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	229164		
129	2.9		0.0	5.0
130	101.8		78.3	117.5





#29

Tetrahydrofuran

Concen: 239.043 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

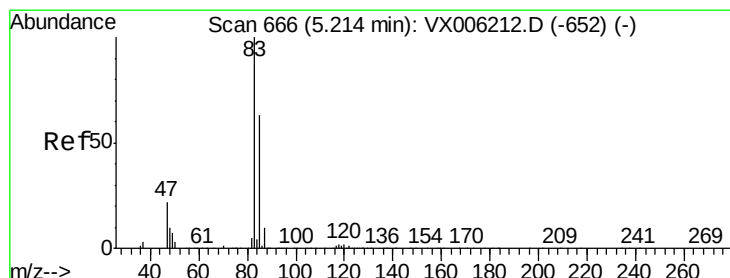
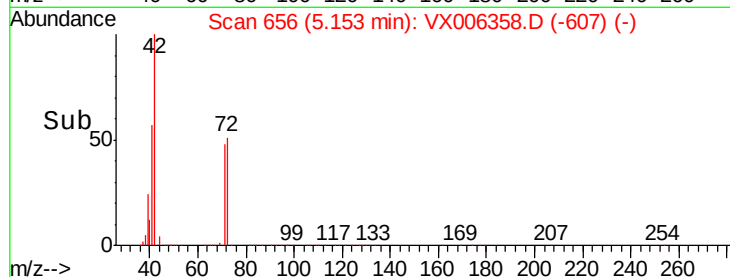
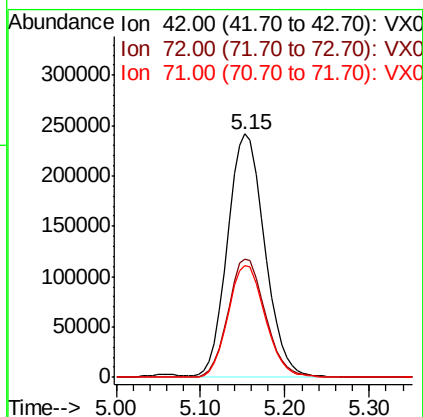
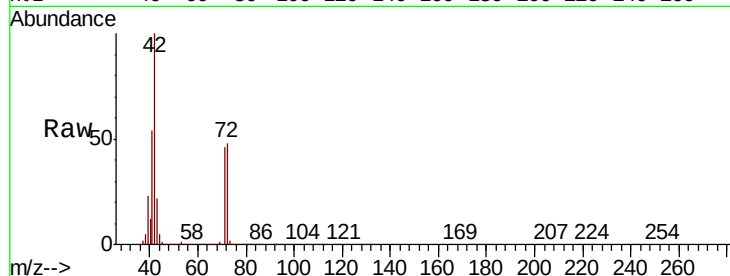
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	37.8	56.8
71	46.1	35.2	52.8

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#30

Chloroform

Concen: 51.797 ug/l

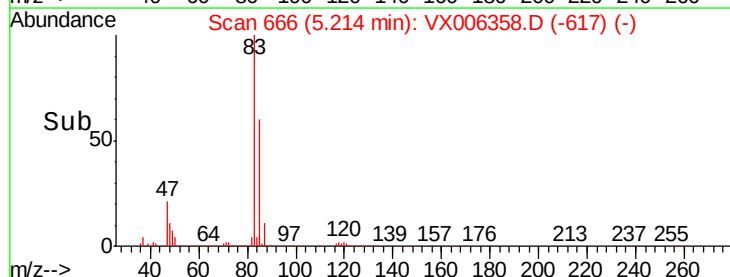
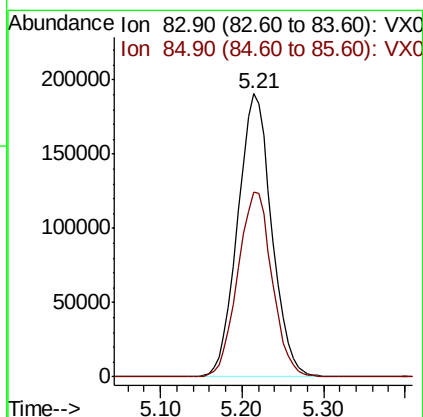
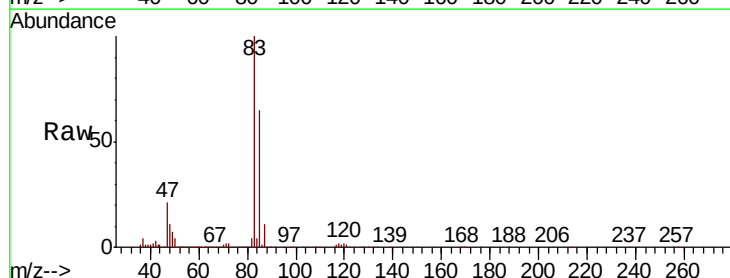
RT: 5.21 min Scan# 666

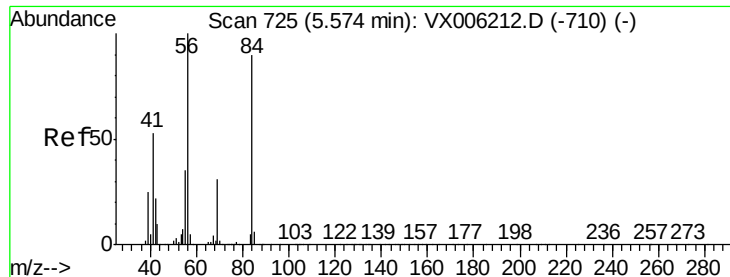
Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.3	75.5





#31

Cyclohexane

Concen: 47.346 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

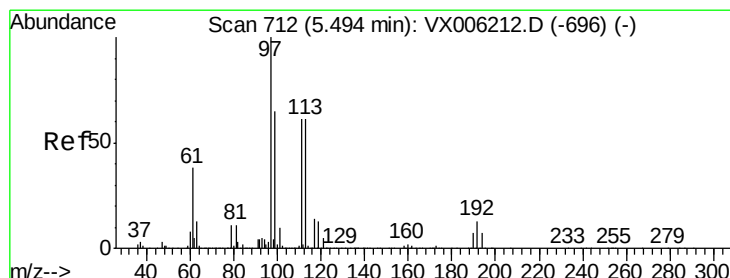
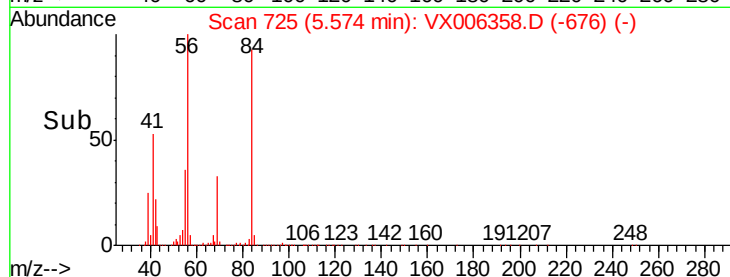
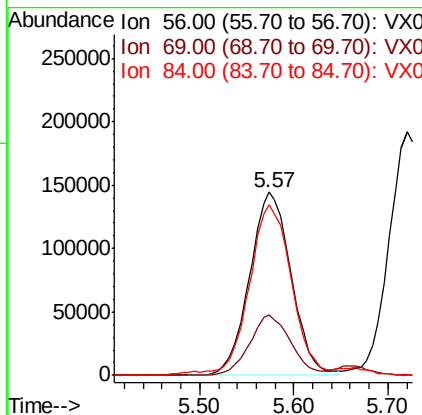
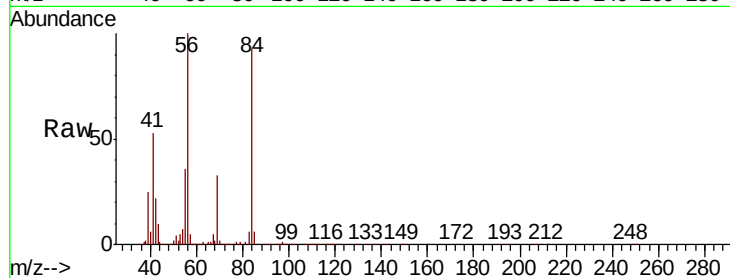
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	443614
Ion	Ratio	Lower	Upper
56	100		
69	33.3	24.5	36.7
84	91.4	71.8	107.6

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#32

1,1,1-Trichloroethane

Concen: 49.505 ug/l

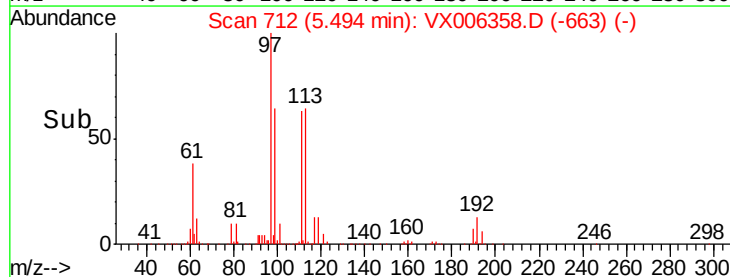
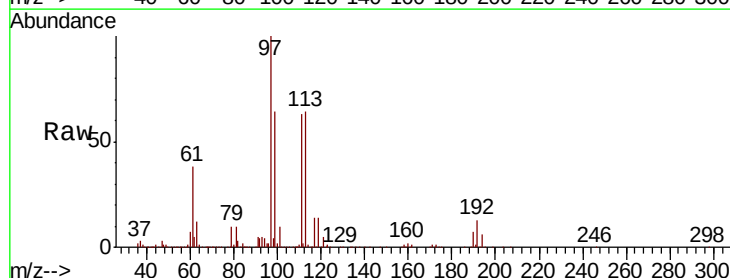
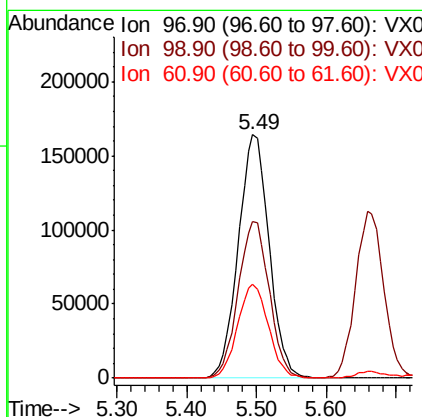
RT: 5.49 min Scan# 712

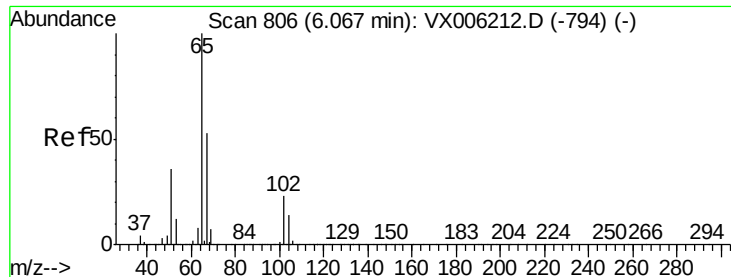
Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tgt Ion:	97	Resp:	501846
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	38.7	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 51.637 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 334898

Ion Ratio Lower Upper

65 100

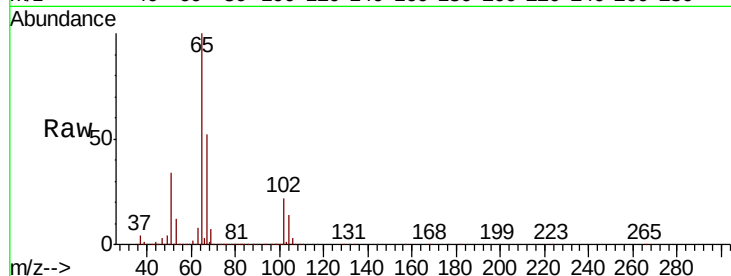
67 53.3 0.0 107.2

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

150000

100000

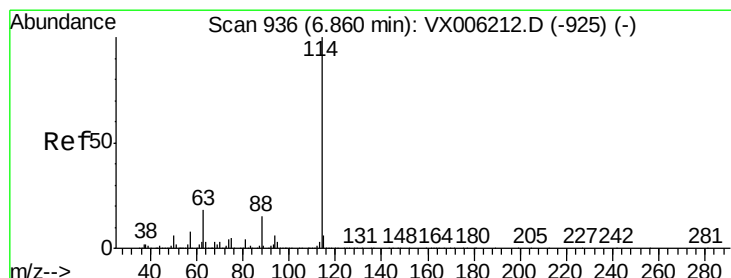
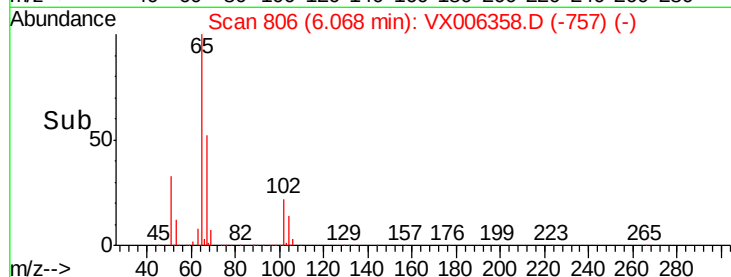
50000

0

6.07

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

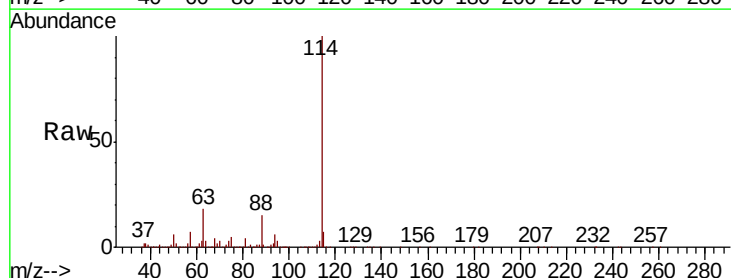
Tgt Ion: 114 Resp: 975934

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

88 14.6 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

500000

400000

300000

200000

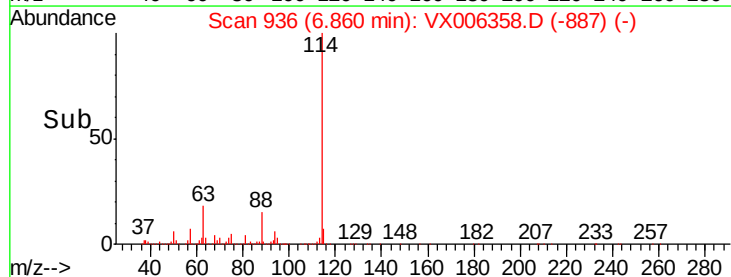
100000

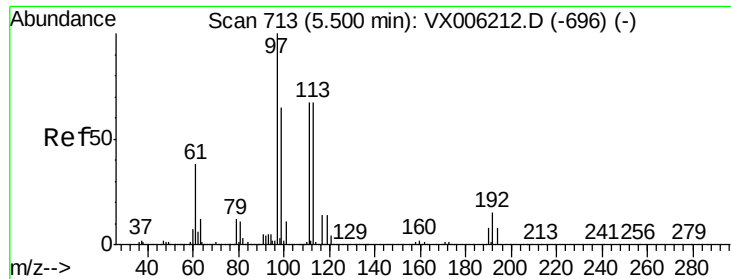
0

6.86

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 51.282 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

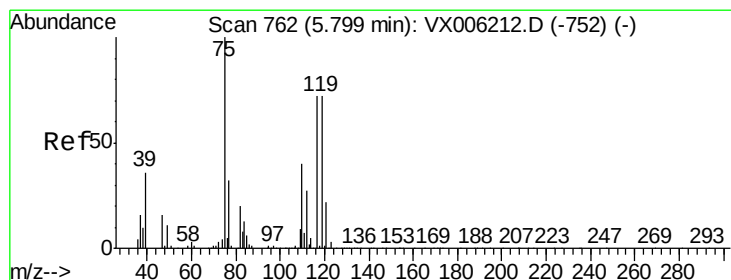
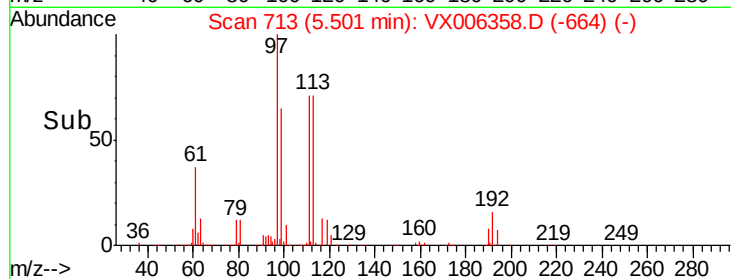
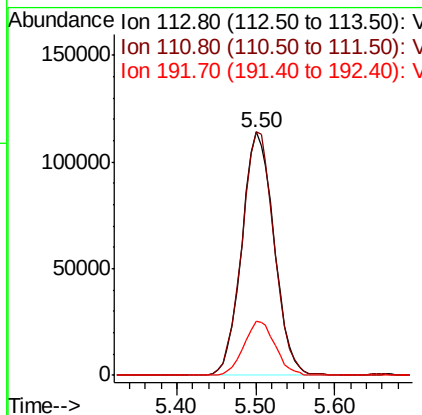
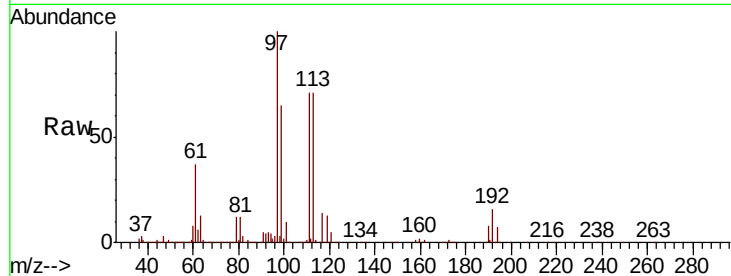
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	324039
Ion Ratio	Lower	Upper	
113	100		
111	100.3	81.1	121.7
192	21.7	18.2	27.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.693 ug/l

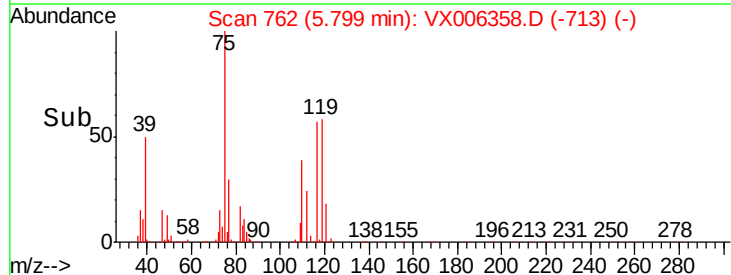
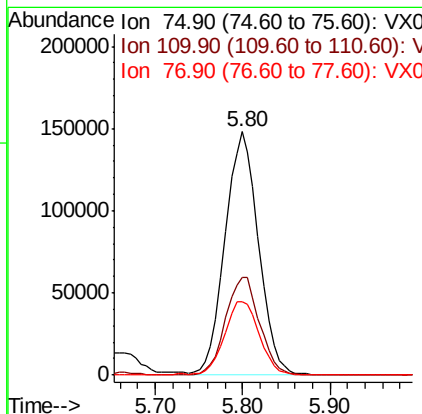
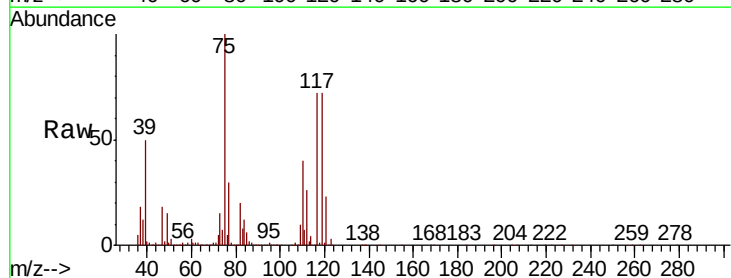
RT: 5.80 min Scan# 762

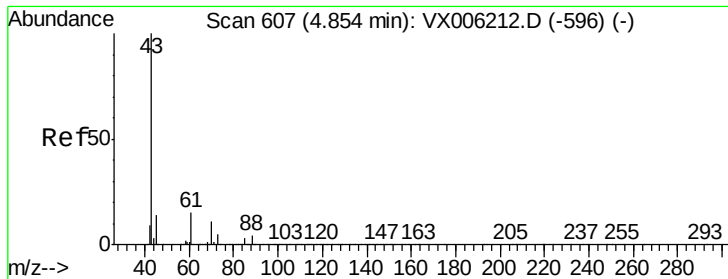
Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tgt Ion:	75	Resp:	391959
Ion Ratio	Lower	Upper	
75	100		
110	41.0	20.4	61.3
77	31.3	24.9	37.3





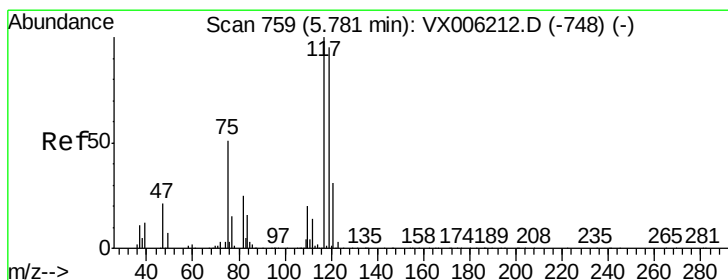
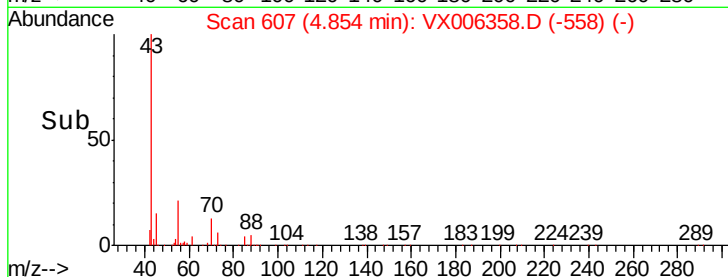
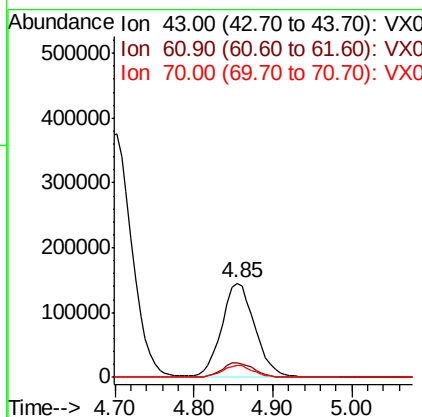
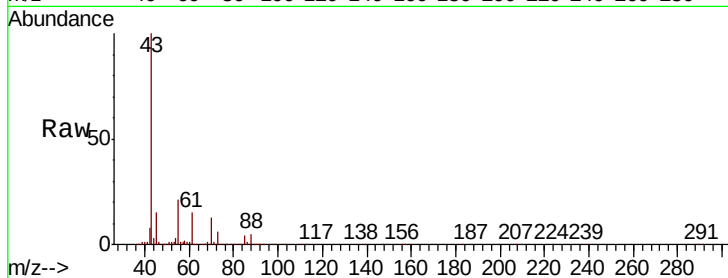
#37
Ethyl Acetate
Concen: 46.063 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.9	9.0	13.6

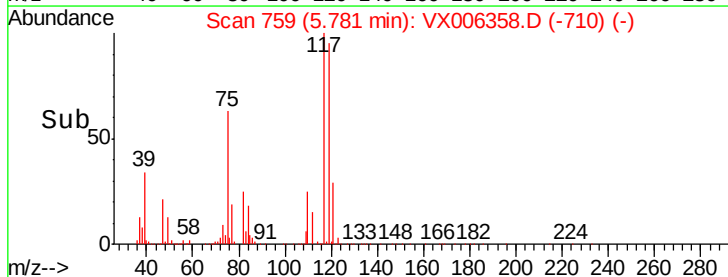
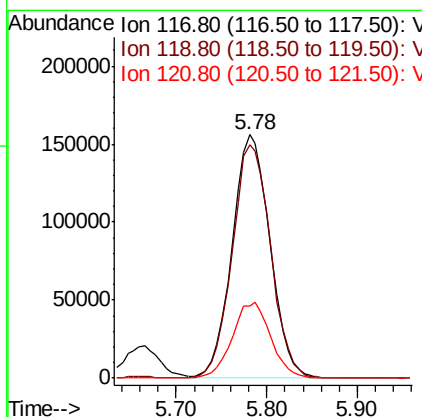
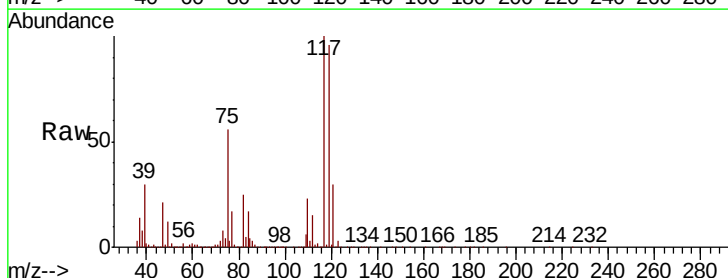
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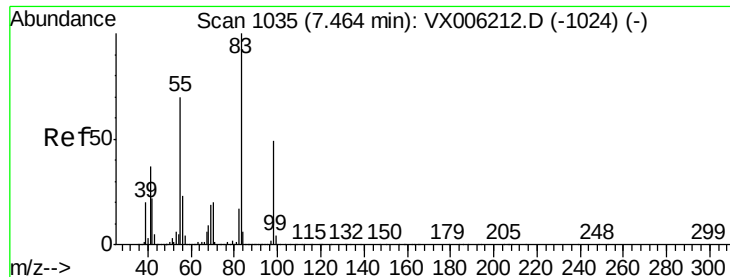
MMDadoda
12/10/2018 9:57:46 AM



#38
Carbon Tetrachloride
Concen: 46.873 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.8
121	29.8	24.6	37.0





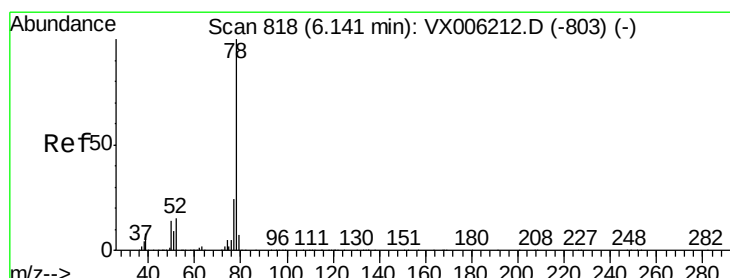
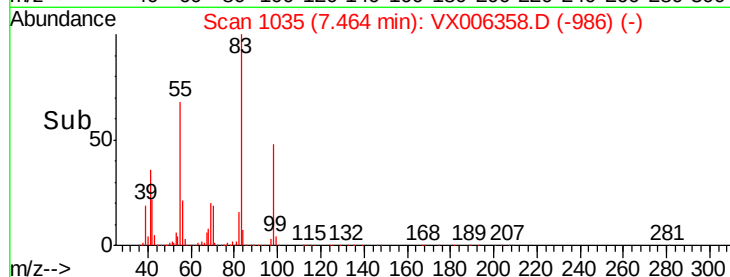
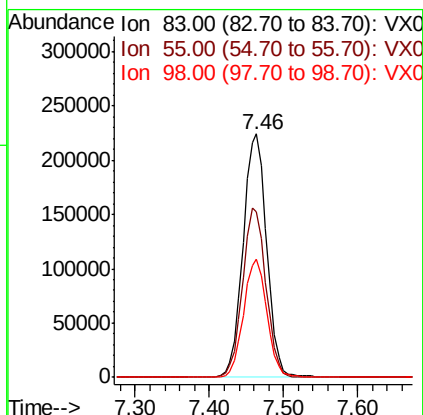
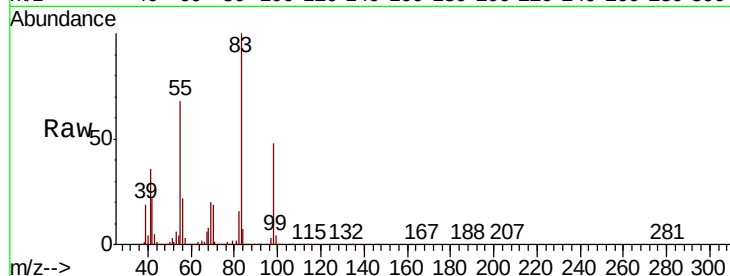
#39
Methylvlcyclohexane
Concen: 46.751 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	56.4	84.6
98	48.5	39.0	58.6

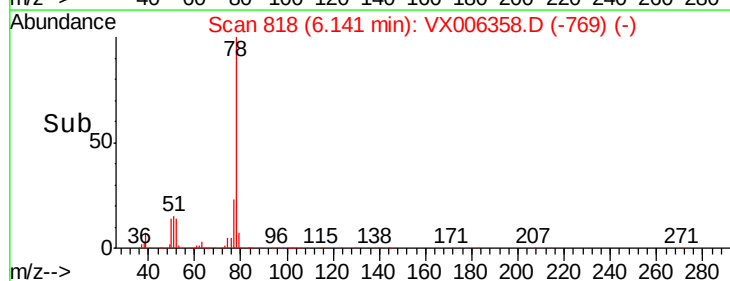
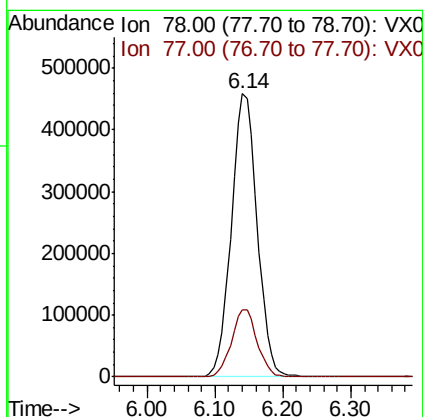
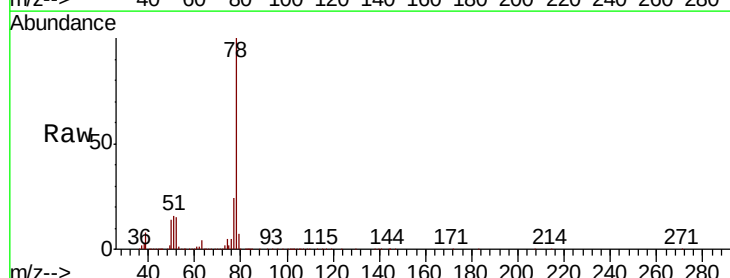
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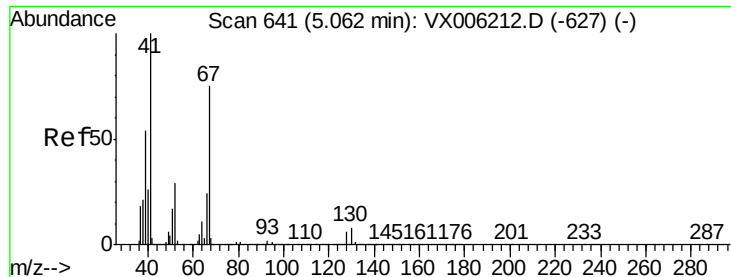
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#40
Benzene
Concen: 48.943 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





#41

Methacrylonitrile

Concen: 46.752 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

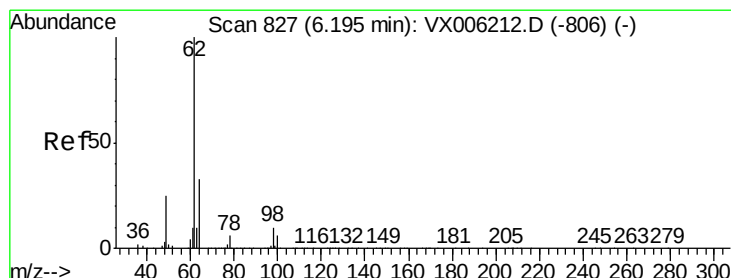
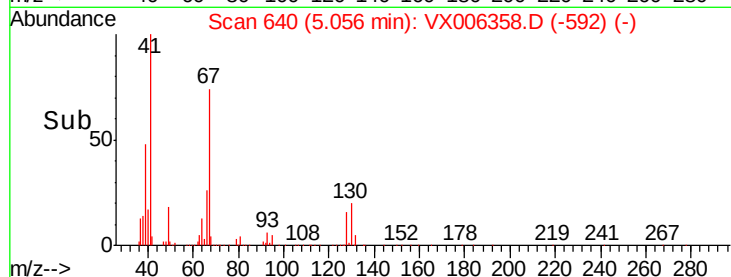
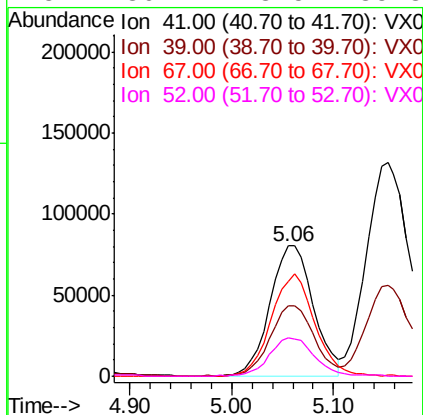
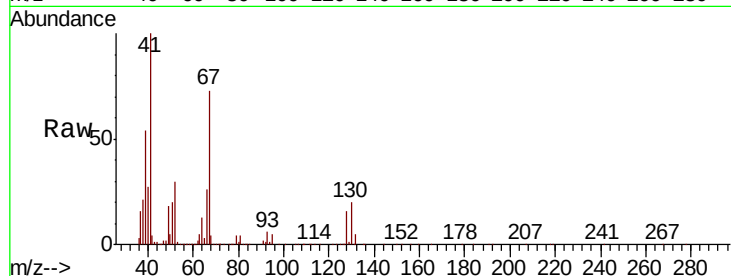
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.0	66.0
67	78.1	61.4	92.0
52	30.4	23.5	35.3

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#42

1,2-Dichloroethane

Concen: 50.191 ug/l

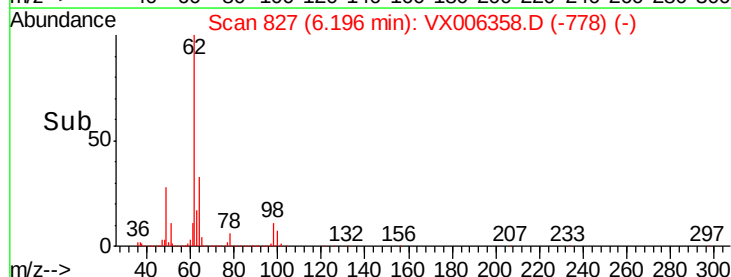
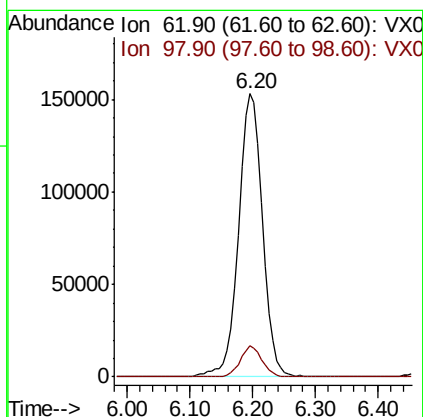
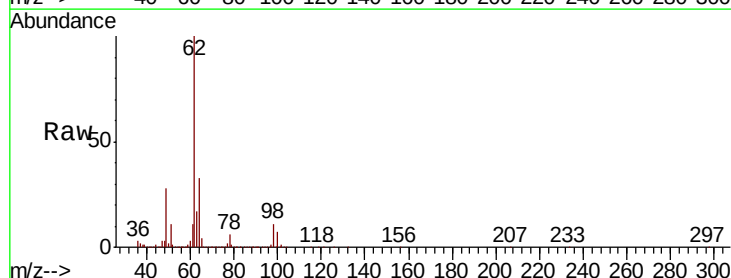
RT: 6.20 min Scan# 827

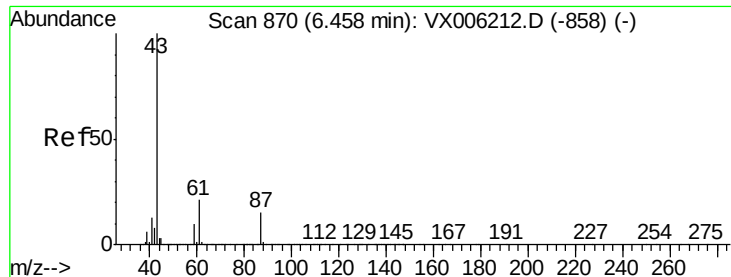
Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 45.366 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

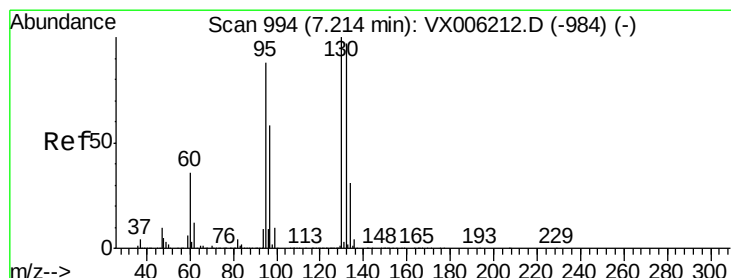
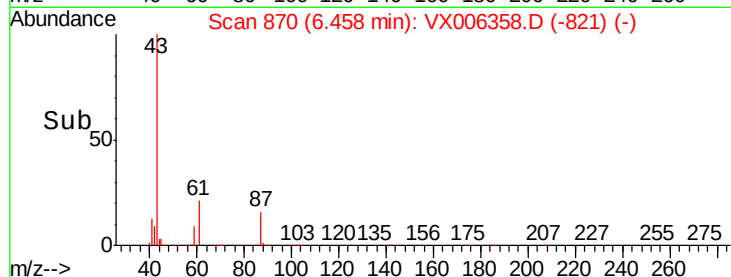
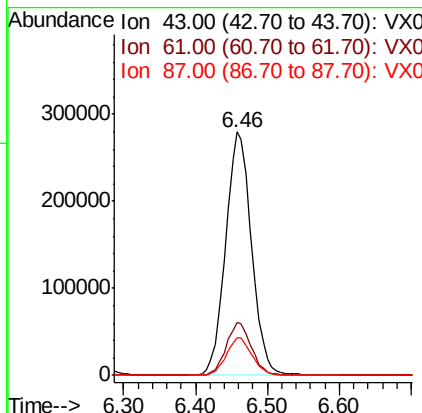
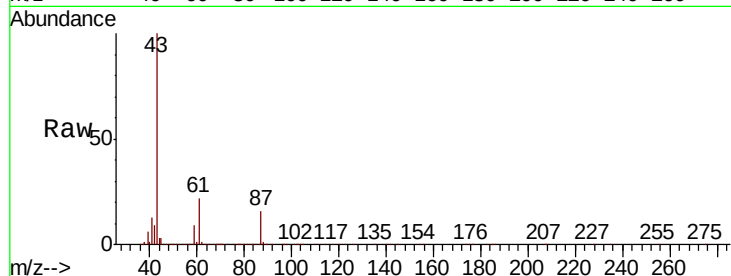
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	696136
Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.8	25.2
87	15.4	11.9	17.9

Manual Integrations
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#44

Trichloroethene

Concen: 48.600 ug/l

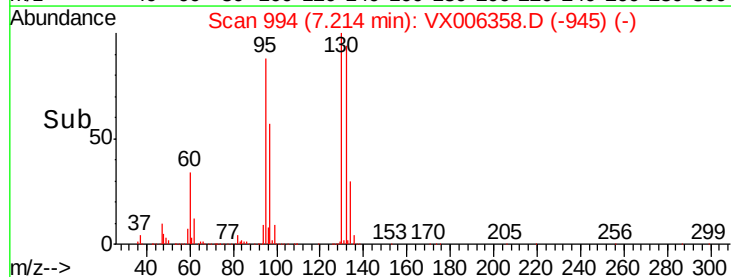
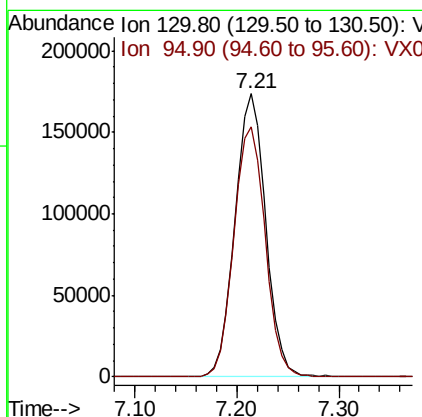
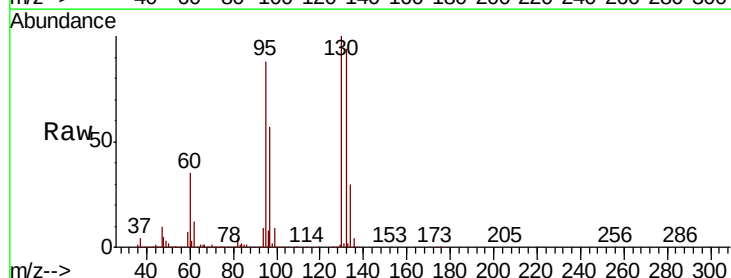
RT: 7.21 min Scan# 994

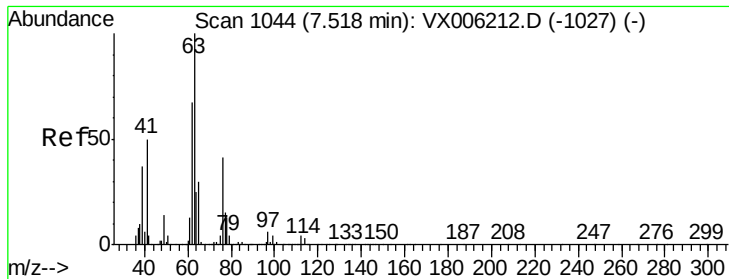
Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tgt Ion:	130	Resp:	362404
Ion	Ratio	Lower	Upper
130	100		
95	88.2	0.0	175.8





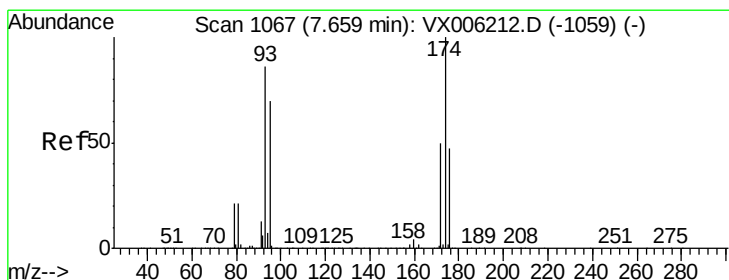
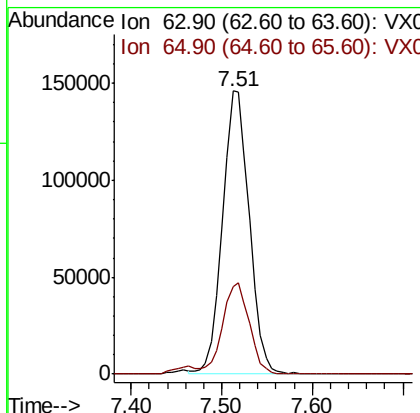
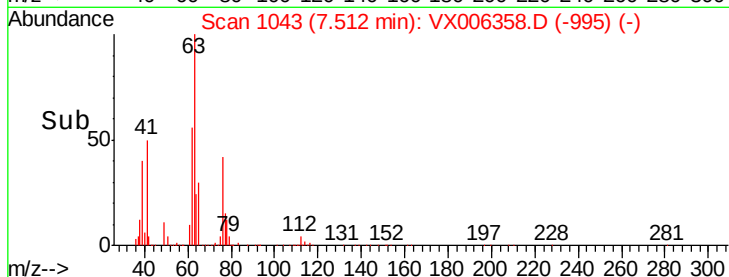
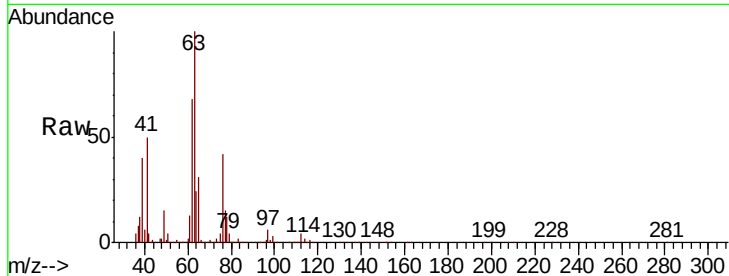
#45
 1,2-Dichloropropane
 Concen: 47.717 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.3	36.5

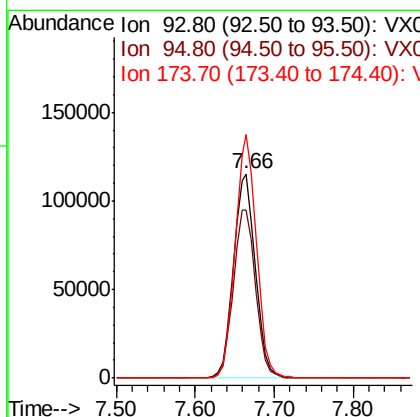
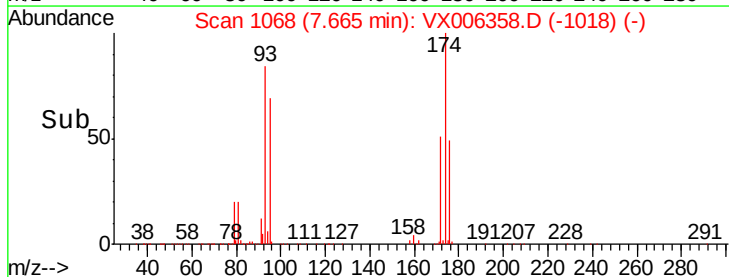
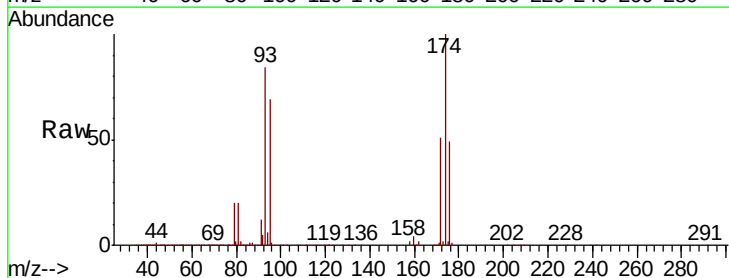
Manual Integrations
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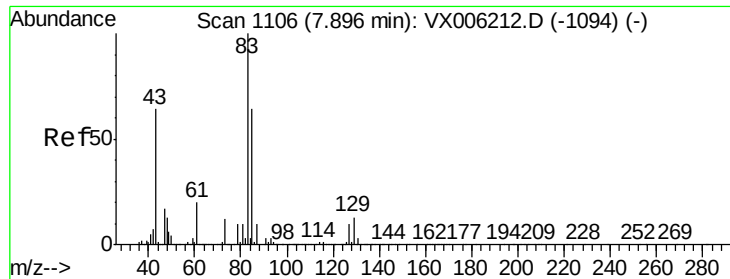
MMDadoda
 12/10/2018 9:57:46 AM



#46
 Dibromomethane
 Concen: 49.181 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.2	99.4
174	115.9	97.2	145.8





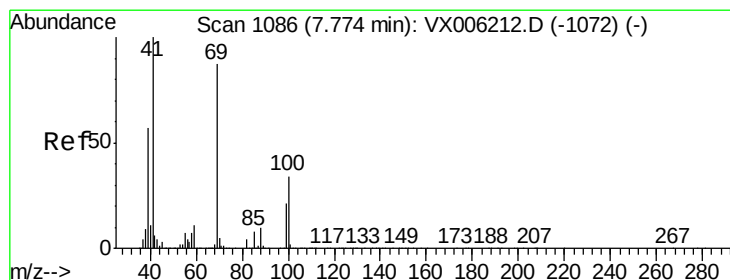
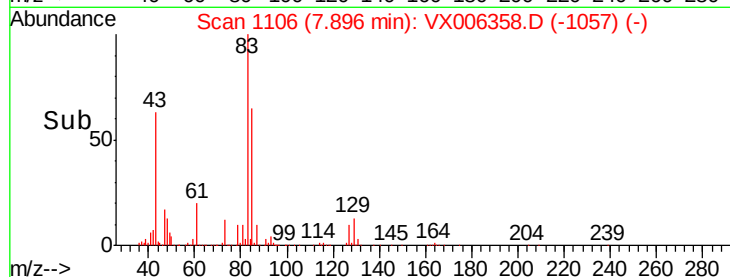
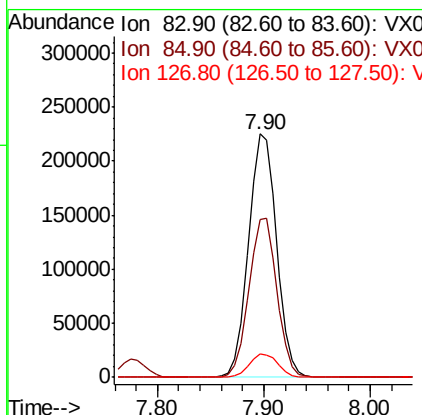
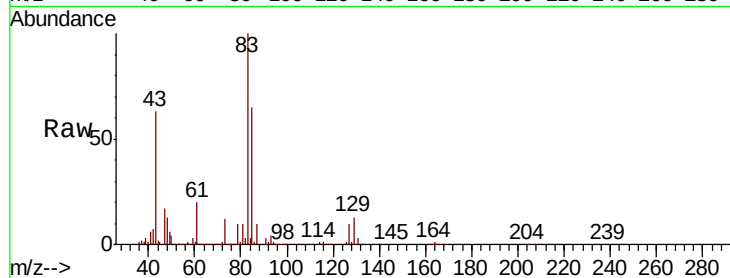
#47
Bromodichloromethane
Concen: 47.684 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.0
127	9.8	7.9	11.9

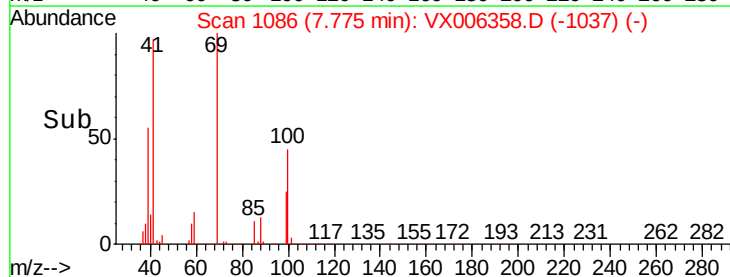
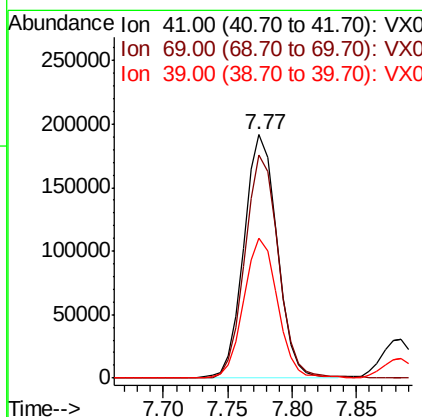
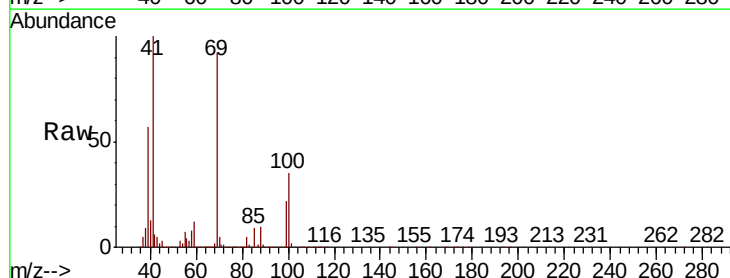
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APPROVED

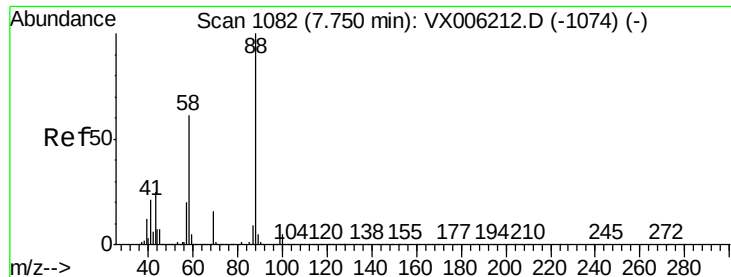
MMDadoda
12/10/2018 9:57:46 AM



#48
Methyl methacrylate
Concen: 45.730 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.6	70.3	105.5
39	57.3	45.3	67.9





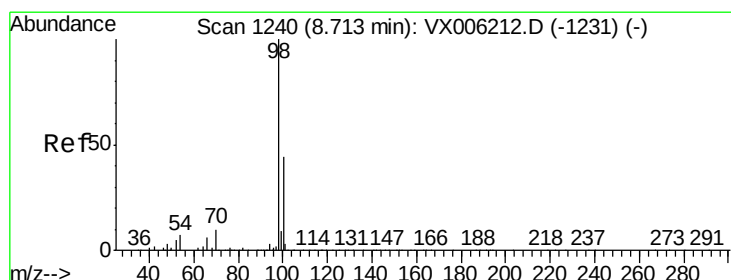
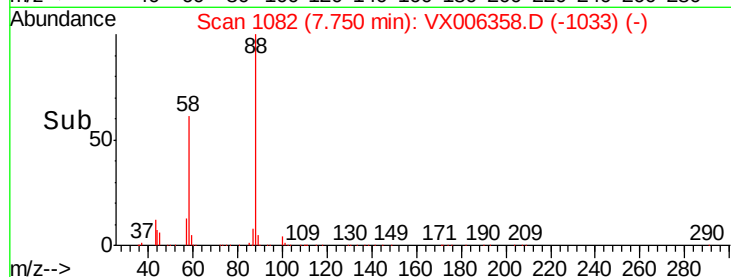
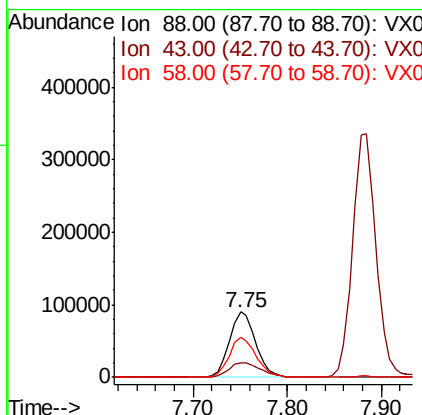
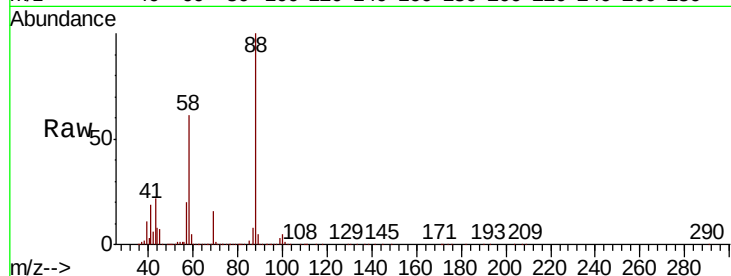
#49
1,4-Dioxane
Concen: 950.967 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	23.2	34.8
58	63.5	51.4	77.0

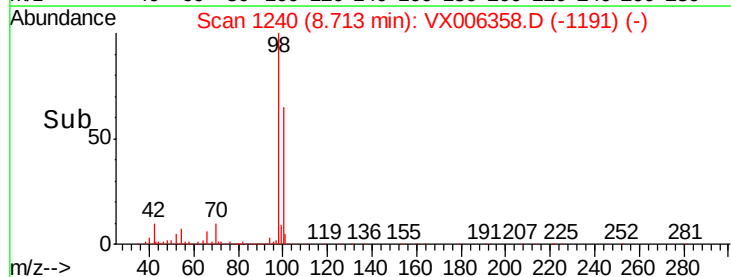
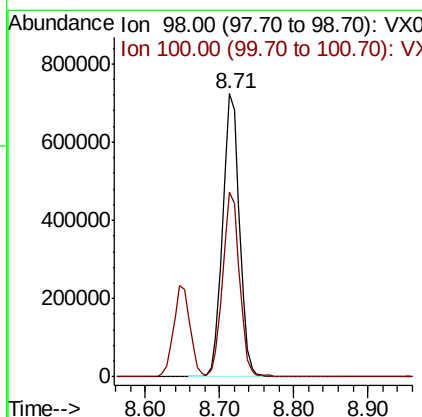
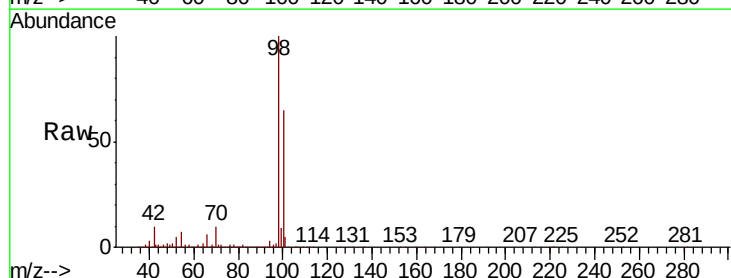
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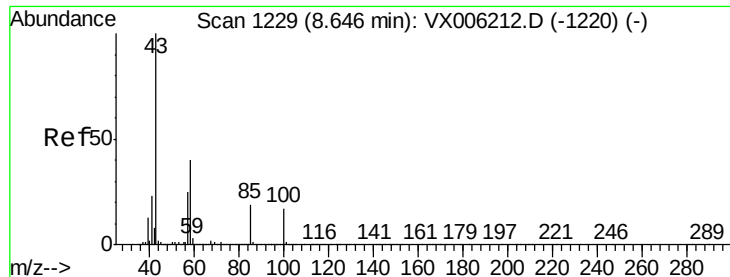
MMDadoda
12/10/2018 9:57:46 AM



#50
Toluene-d8
Concen: 49.706 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 234.685 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2096425

Ion Ratio Lower Upper

43 100

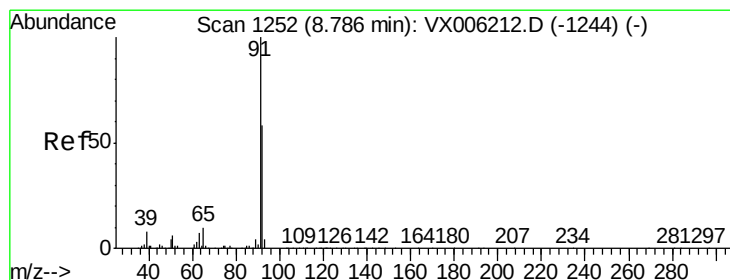
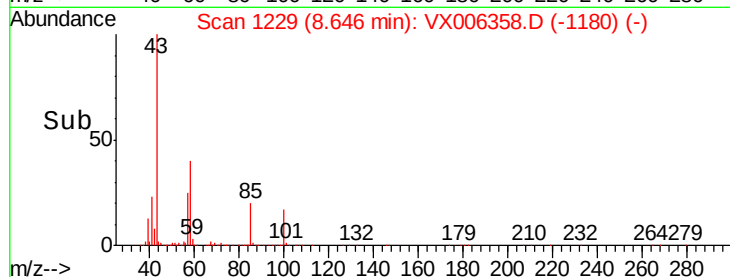
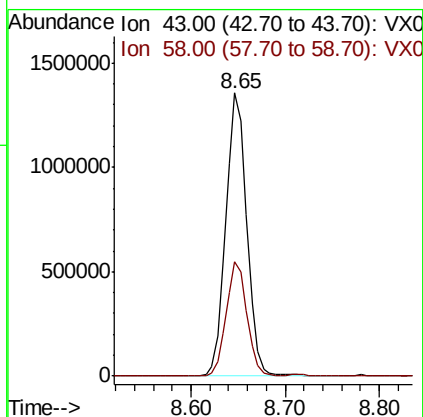
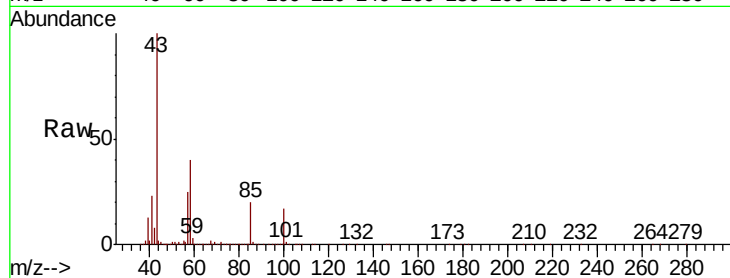
58 39.9 31.3 46.9

Manual Integrations

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MMDadoda

12/10/2018 9:57:46 AM



#52

Toluene

Concen: 48.831 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006358.D

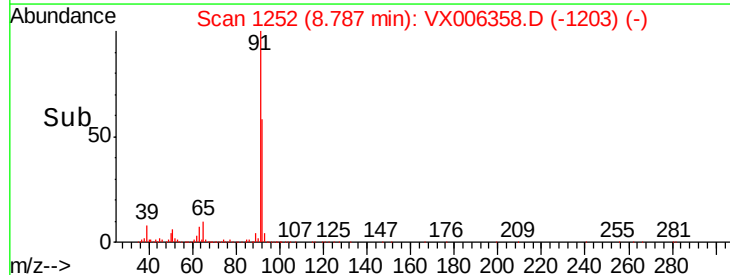
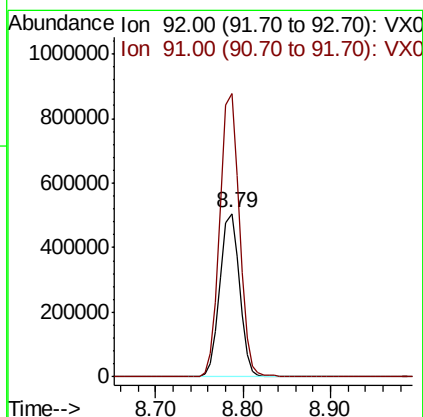
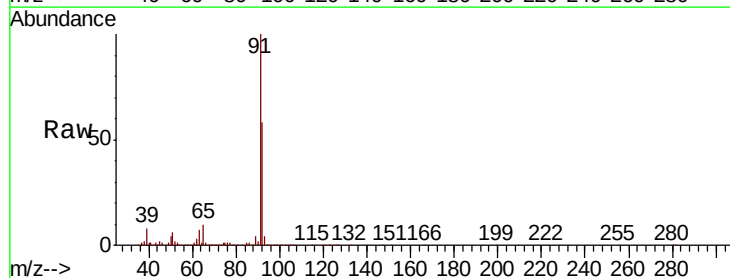
Acq: 07 Dec 2018 20:05

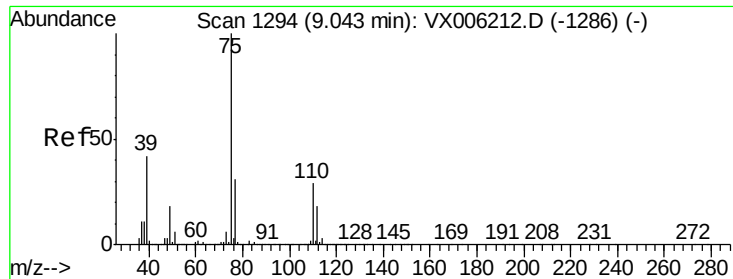
Tgt Ion: 92 Resp: 790770

Ion Ratio Lower Upper

92 100

91 172.1 139.2 208.8





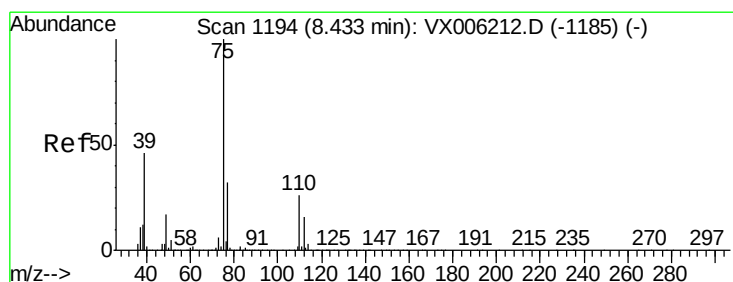
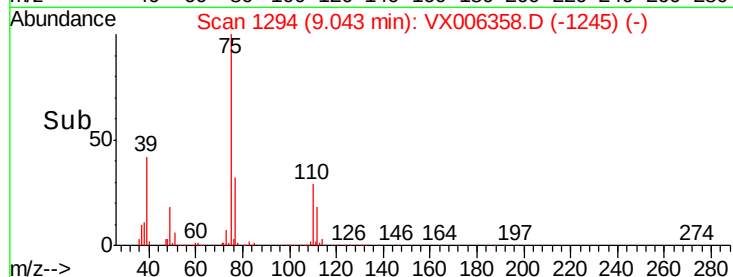
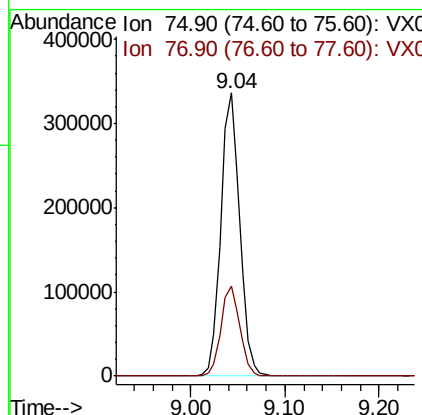
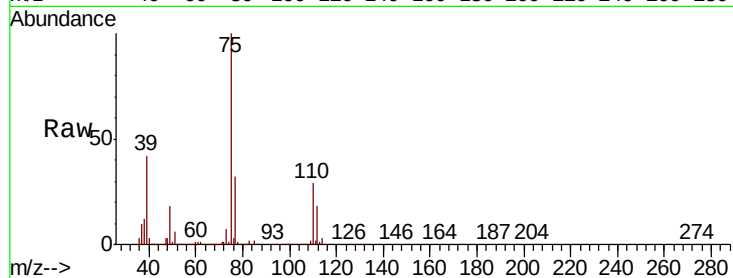
#53
 t-1,3-Dichloropropene
 Concen: 45.566 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4

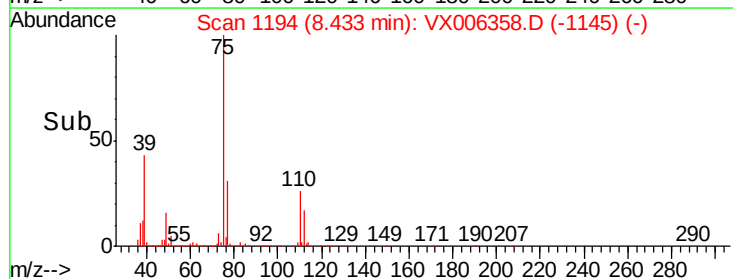
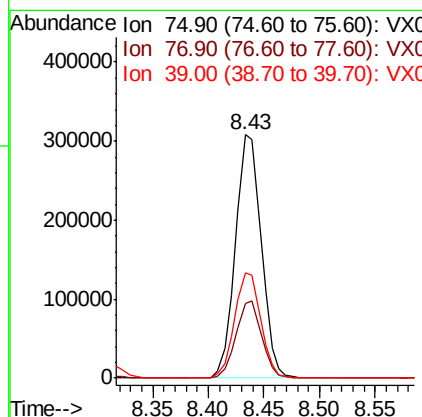
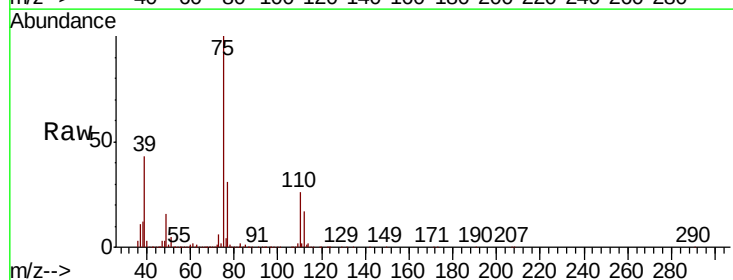
Manual Integrations
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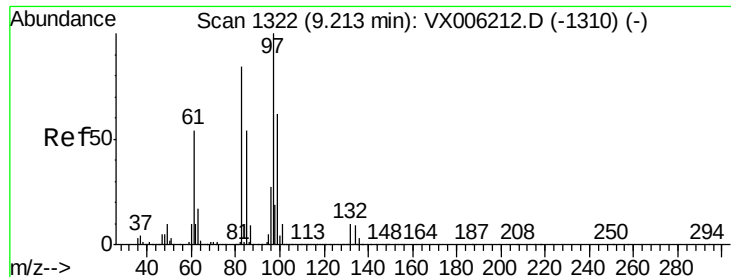
MMDadoda
 12/10/2018 9:57:46 AM



#54
 cis-1,3-Dichloropropene
 Concen: 46.775 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.6	38.4
39	42.9	36.5	54.7





#55

1,1,2-Trichloroethane

Concen: 50.360 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

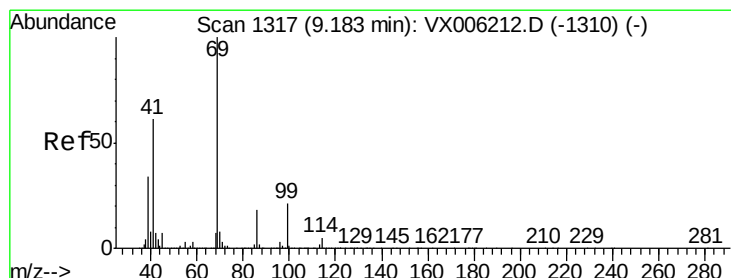
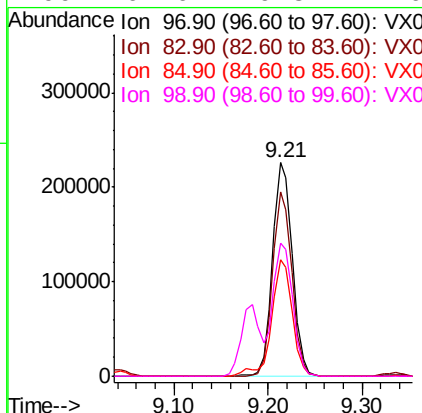
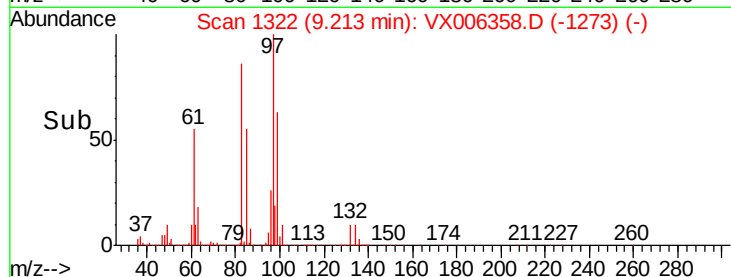
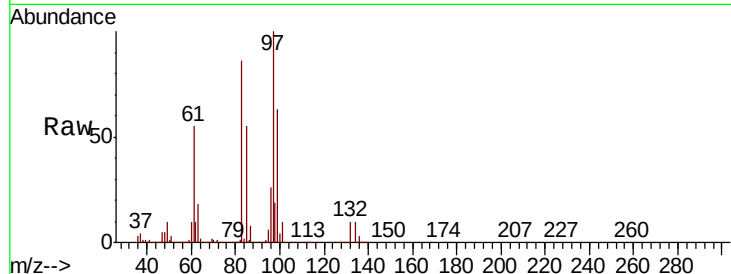
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	331315
Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.1	100.7
85	54.5	43.2	64.8
99	62.6	49.8	74.6

Manual Integrations
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12/10/2018 9:57:46 AM



#56

Ethyl methacrylate

Concen: 47.937 ug/l

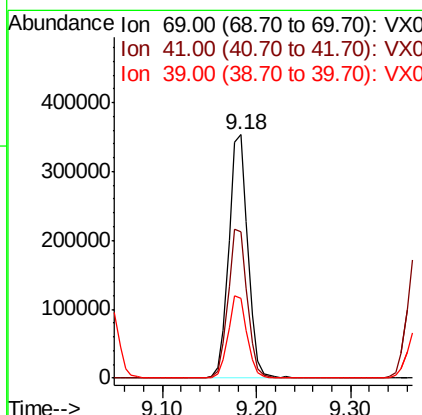
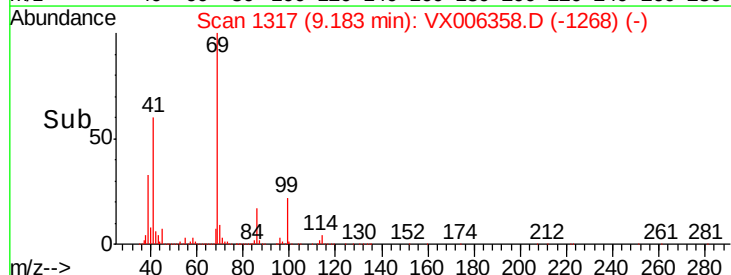
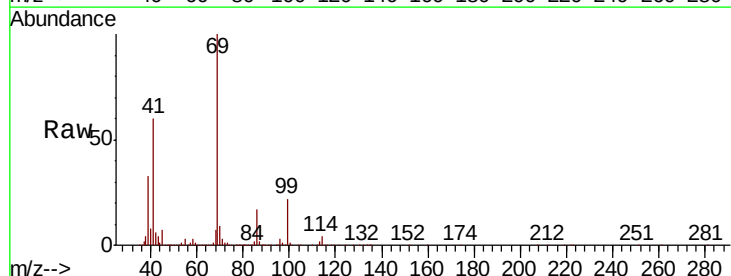
RT: 9.18 min Scan# 1317

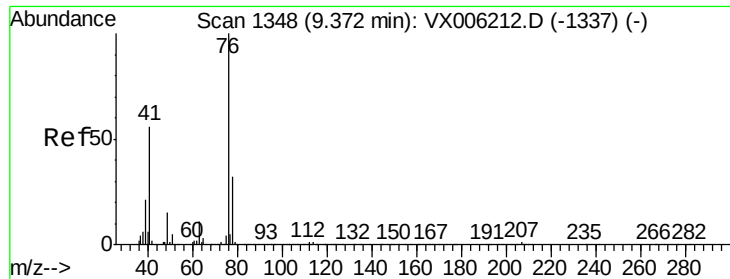
Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tgt Ion:	69	Resp:	493030
Ion	Ratio	Lower	Upper
69	100		
41	61.6	50.6	76.0
39	33.3	27.6	41.4





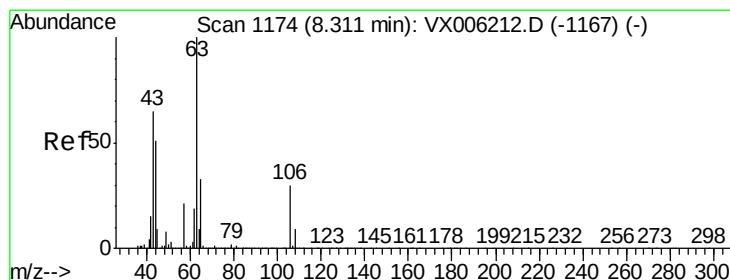
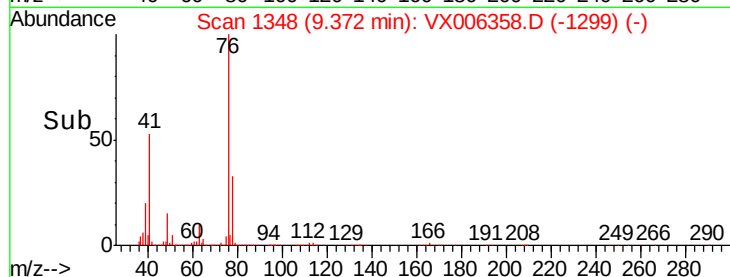
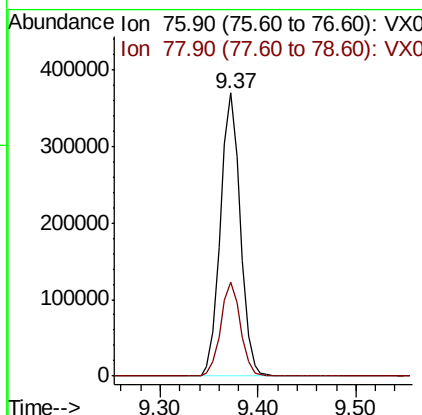
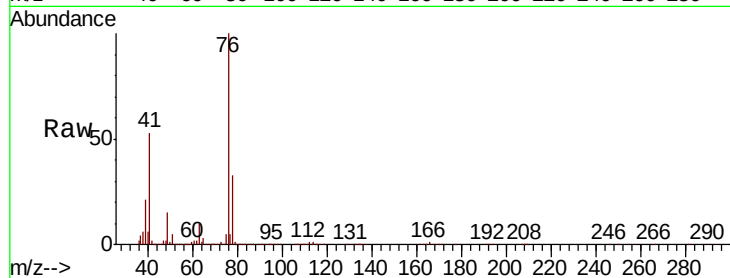
#57
 1,3-Dichloropropane
 Concen: 50.156 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.1	39.1

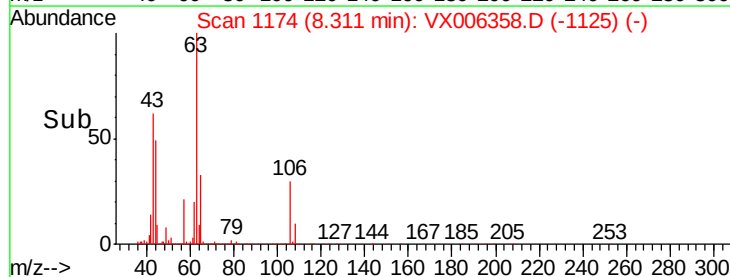
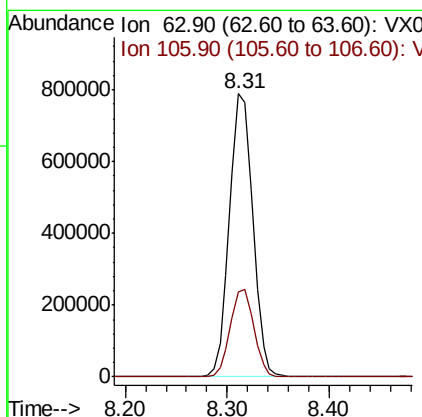
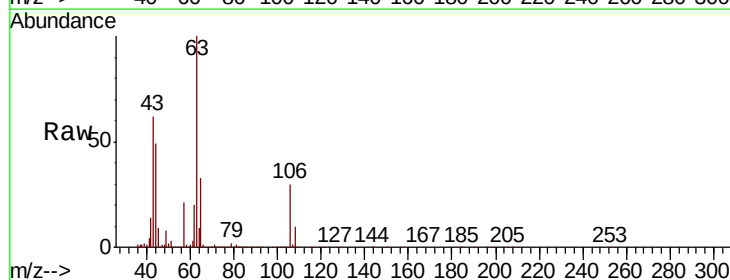
Manual Integrations
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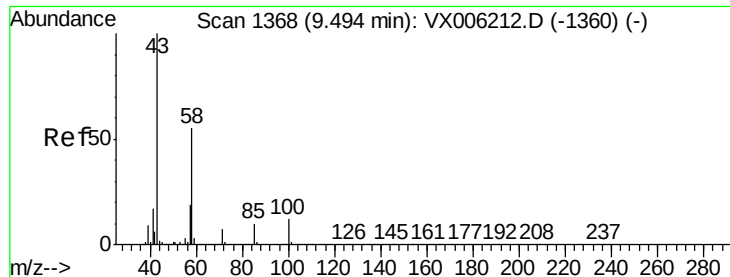
MMDadoda
 12/10/2018 9:57:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.422 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	24.9	37.3





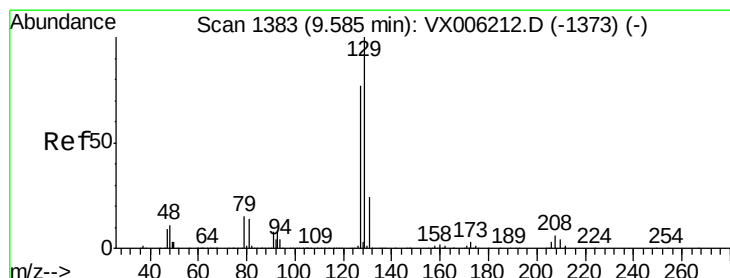
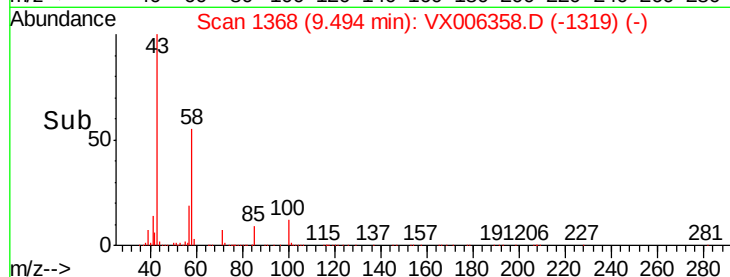
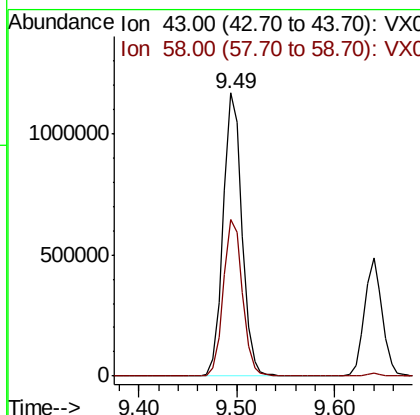
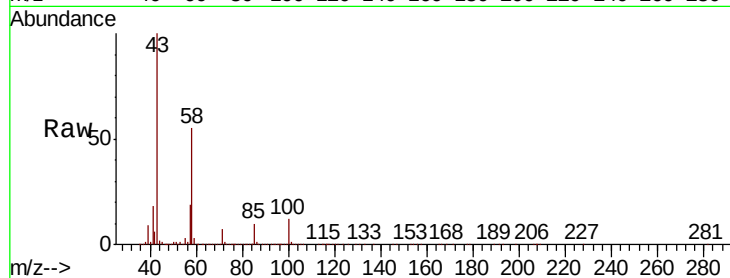
#59
2-Hexanone
Concen: 227.622 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1553468
Ion Ratio Lower Upper
43 100
58 56.4 27.7 83.1

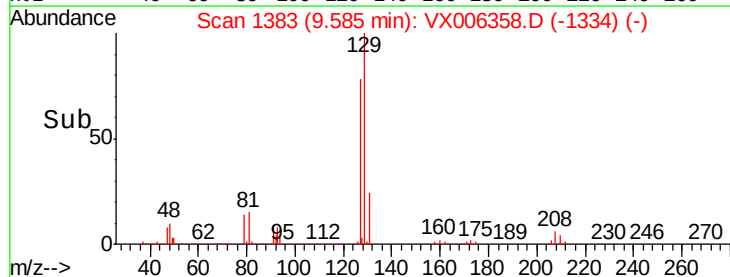
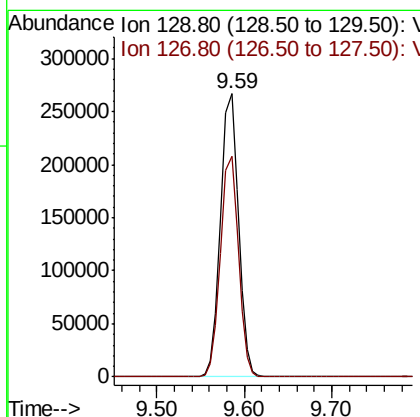
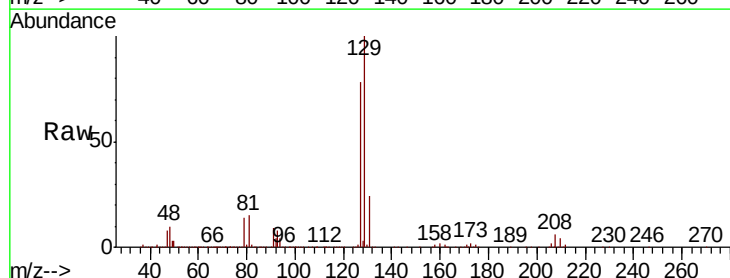
Manual Integrations
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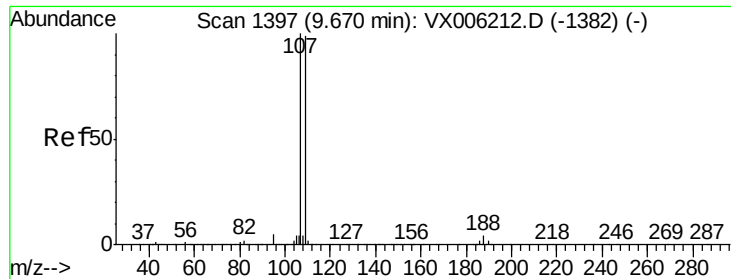
MMDadoda
12/10/2018 9:57:46 AM



#60
Dibromochloromethane
Concen: 46.735 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion: 129 Resp: 379136
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 49.078 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 361030

Ion Ratio Lower Upper

107 100

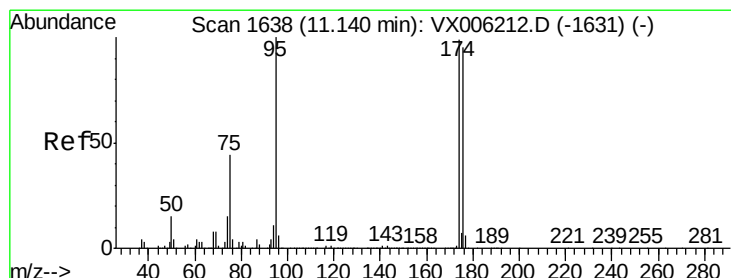
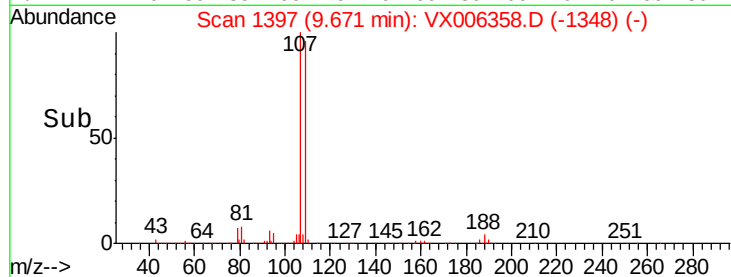
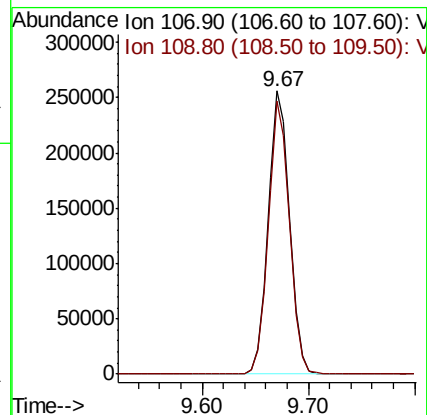
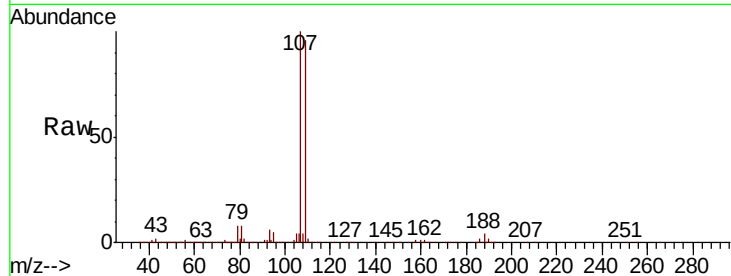
109 95.0 76.3 114.5

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#62

4-Bromofluorobenzene

Concen: 50.119 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

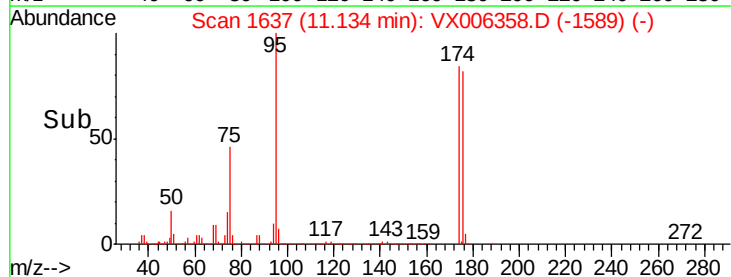
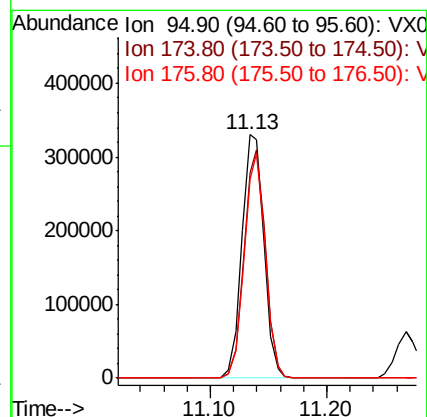
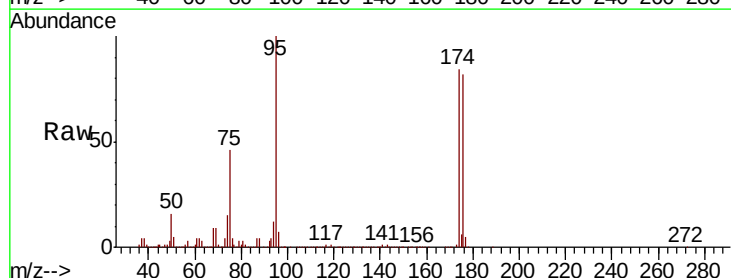
Tgt Ion: 95 Resp: 434081

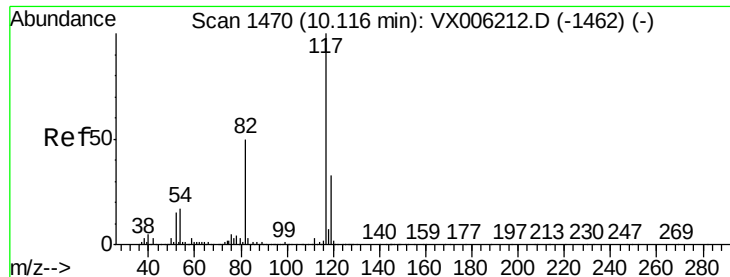
Ion Ratio Lower Upper

95 100

174 91.2 0.0 187.0

176 88.3 0.0 181.8





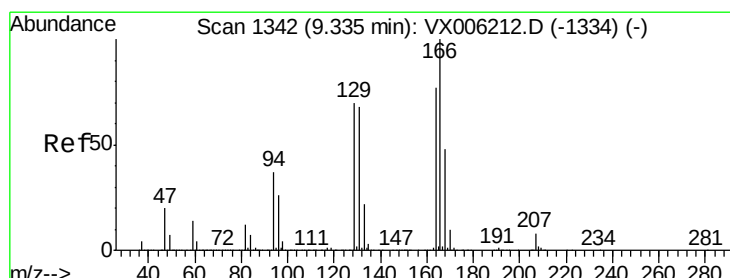
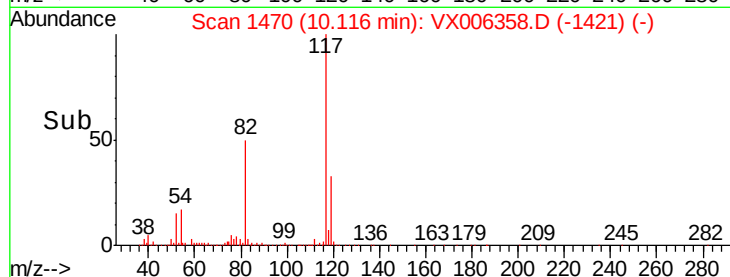
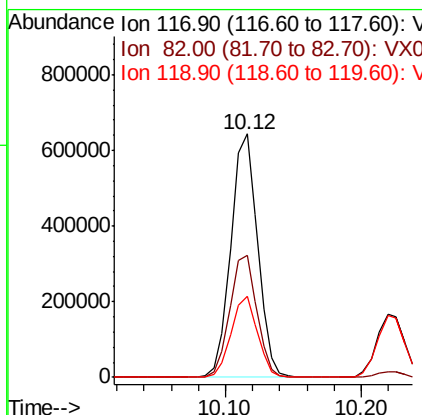
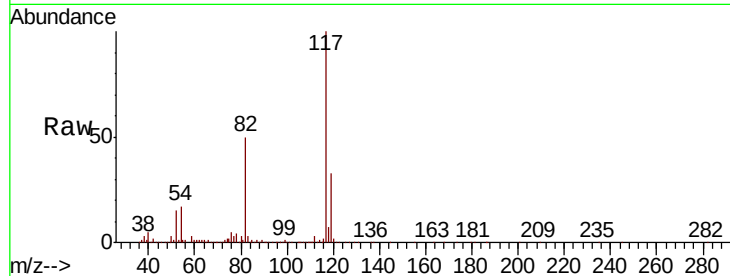
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	39.6	59.4
119	33.1	26.3	39.5

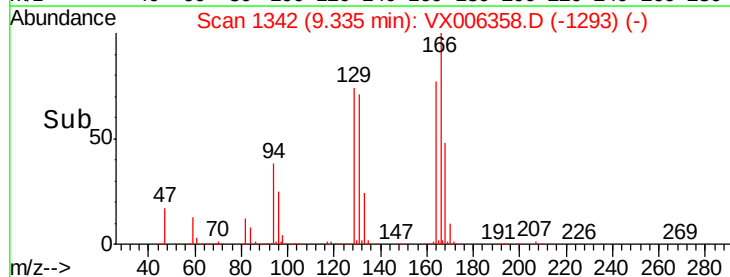
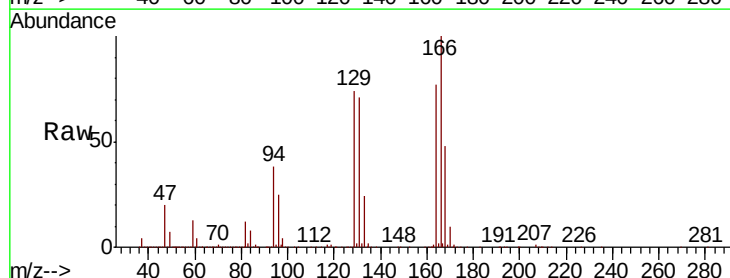
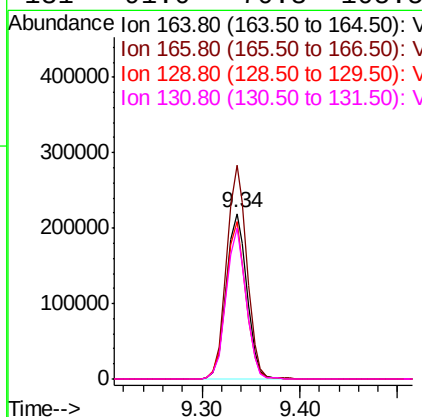
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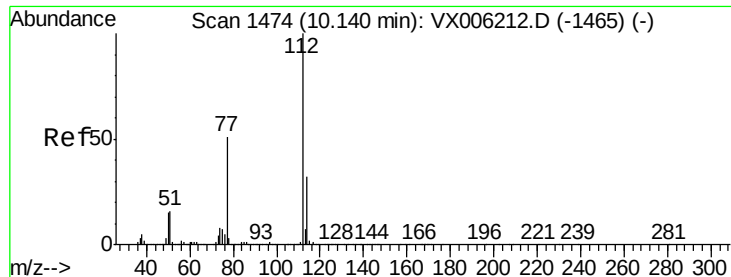
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#64
Tetrachloroethene
Concen: 48.291 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	104.2	156.2
129	95.3	72.6	108.8
131	91.0	70.3	105.5





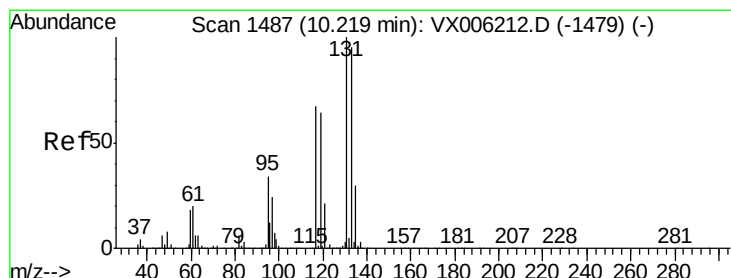
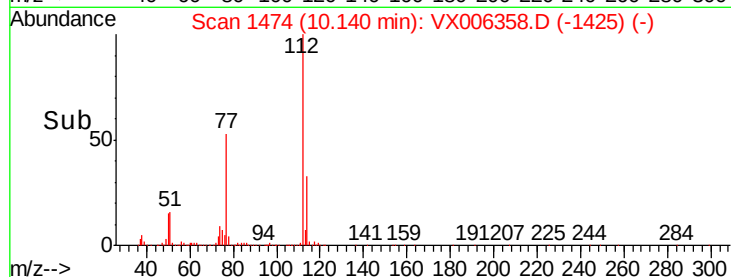
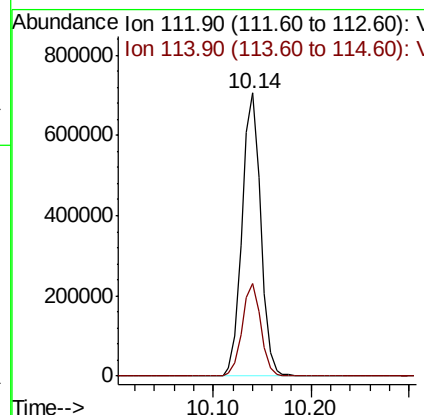
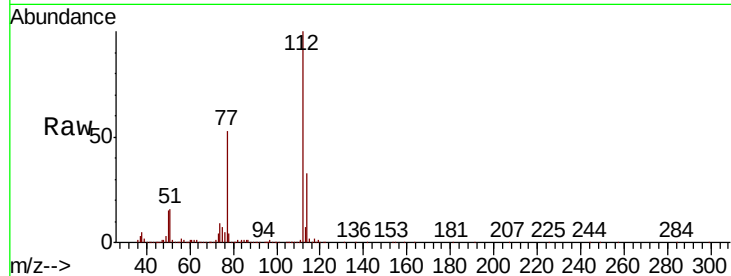
#65
Chlorobenzene
Concen: 49.970 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.2

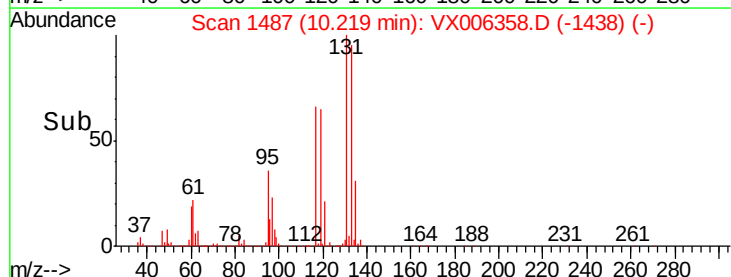
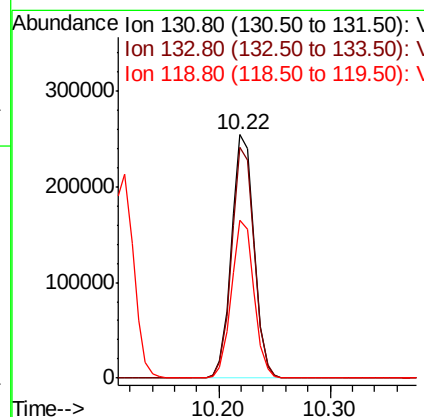
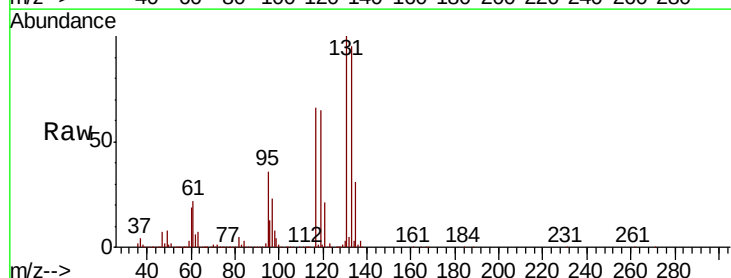
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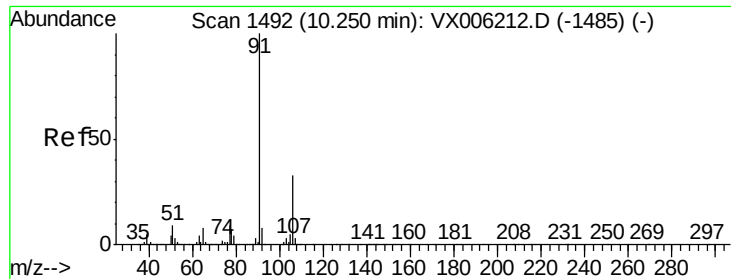
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.996 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.1	144.4
119	64.7	32.1	96.3





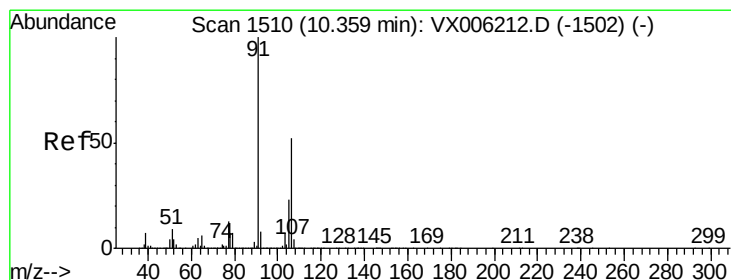
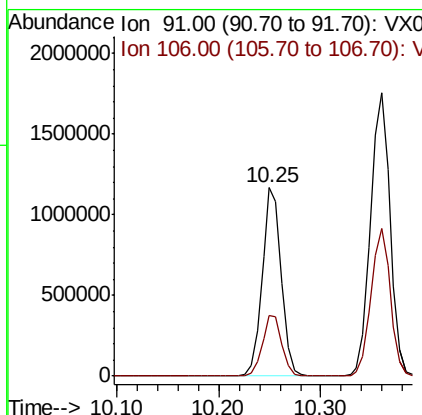
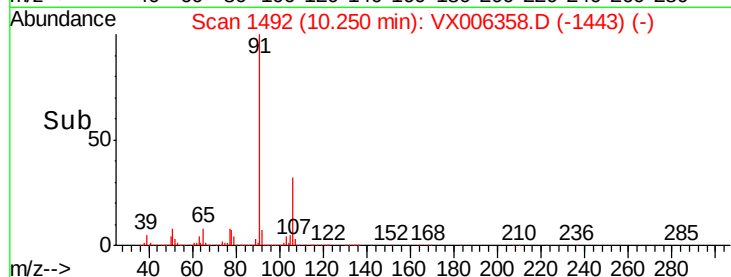
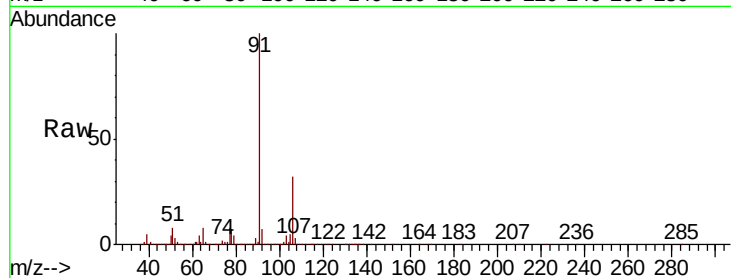
#67
Ethyl Benzene
Concen: 48.880 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1520746
Ion Ratio Lower Upper
91 100
106 32.3 26.5 39.7

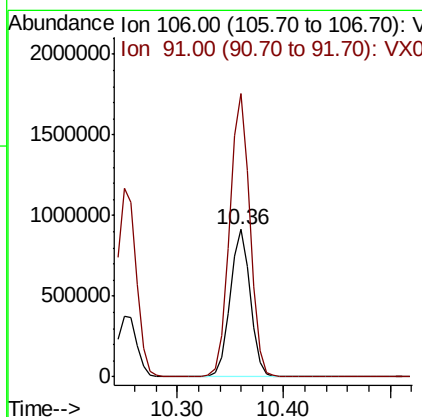
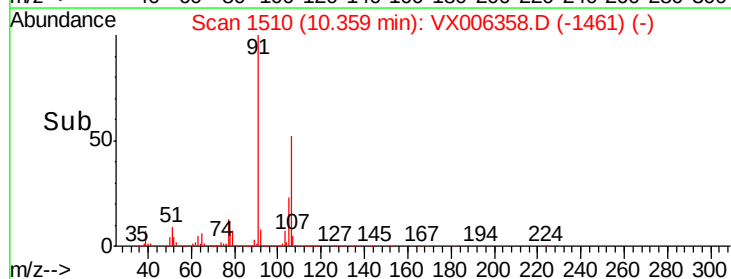
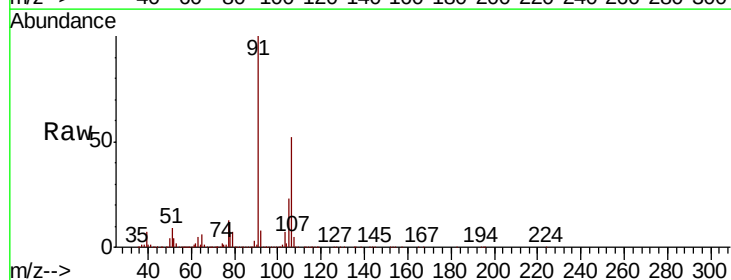
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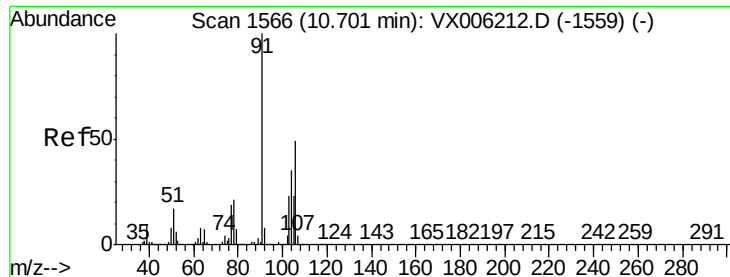
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#68
m/p-Xylenes
Concen: 97.652 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion: 106 Resp: 1216996
Ion Ratio Lower Upper
106 100
91 193.1 155.2 232.8





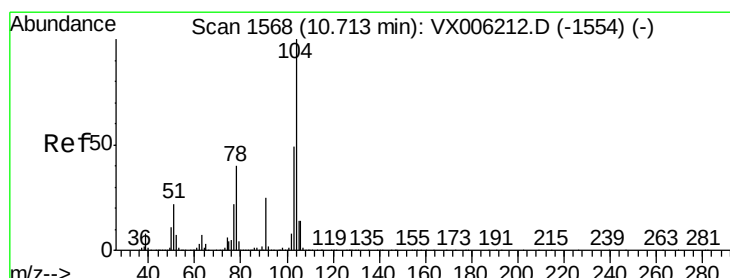
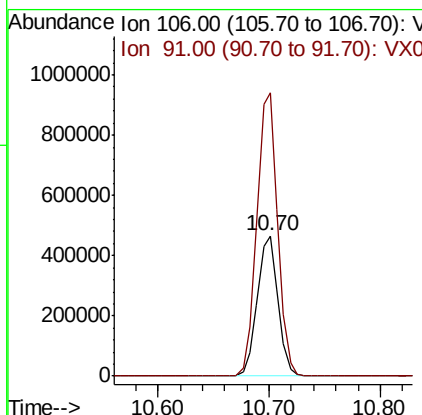
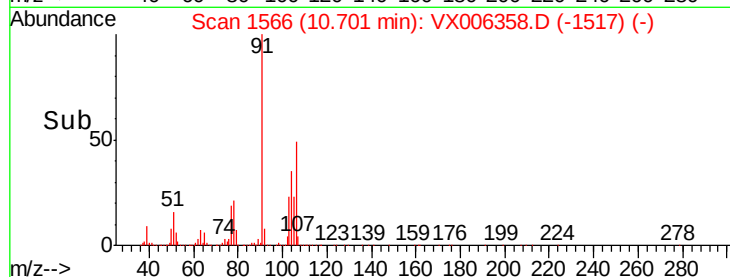
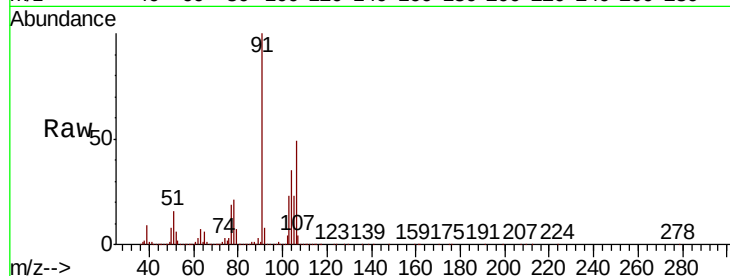
#69
o-Xylene
Concen: 49.066 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.9	101.8	305.6

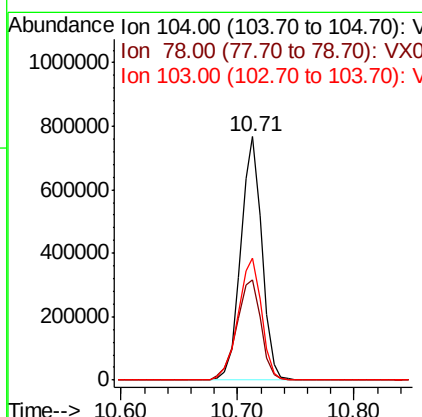
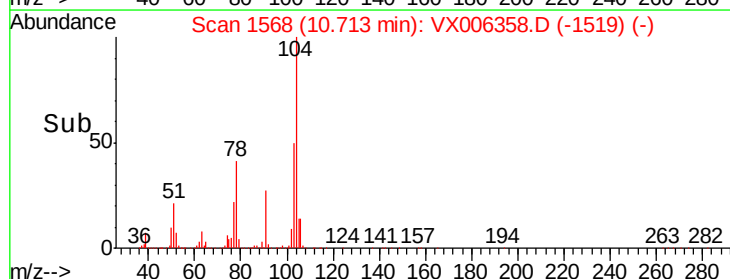
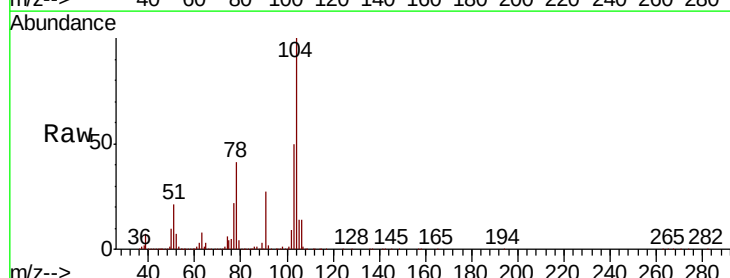
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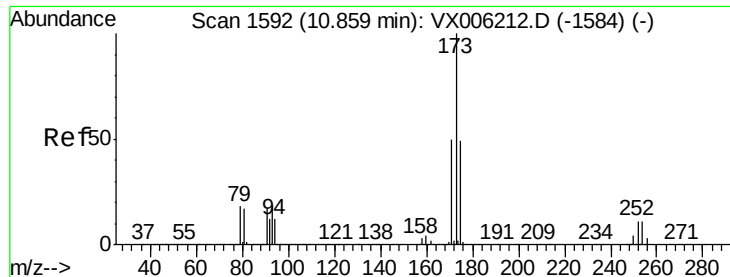
MMDadoda
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#70
Styrene
Concen: 48.650 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.2	55.8
103	55.7	43.5	65.3





#71

Bromoform

Concen: 44.005 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

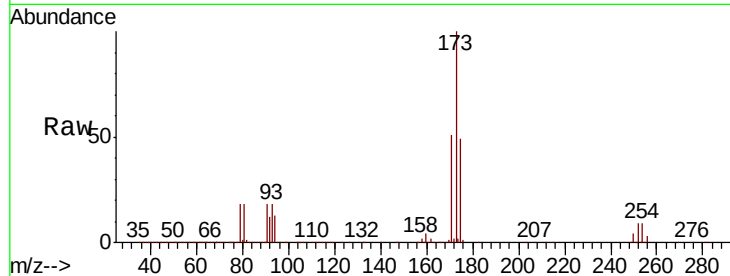
ClientSampleId :

VSTDCCC050EC

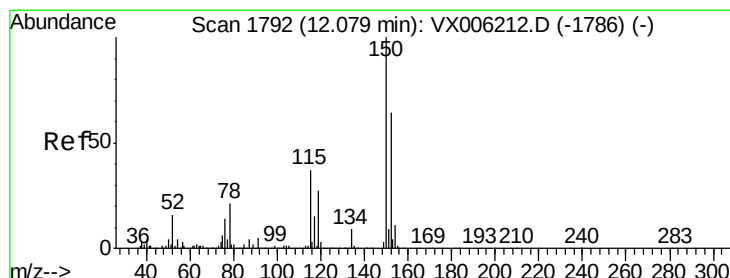
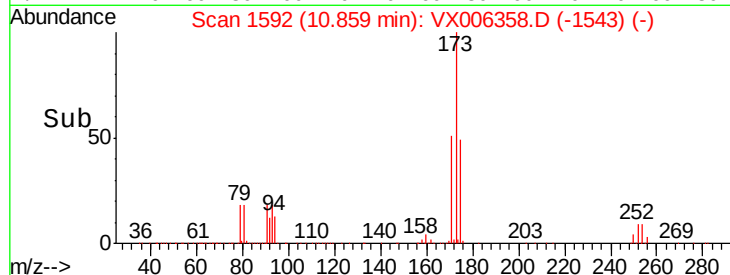
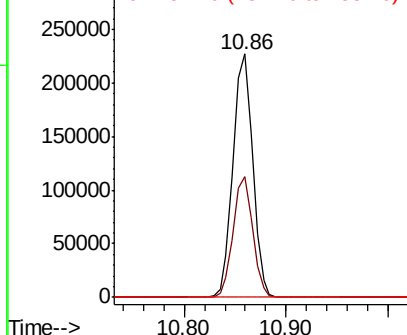
Tot Ion:	173	Resp:	301911
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.6	73.8
254	0.2	0.2	0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

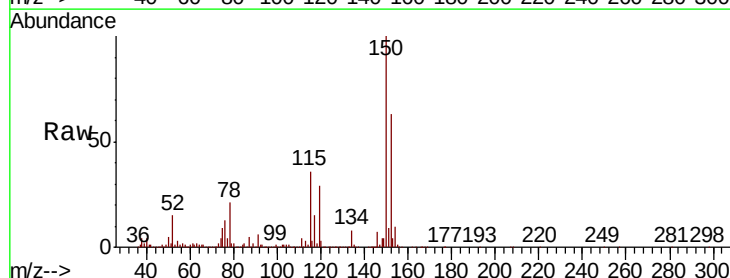
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

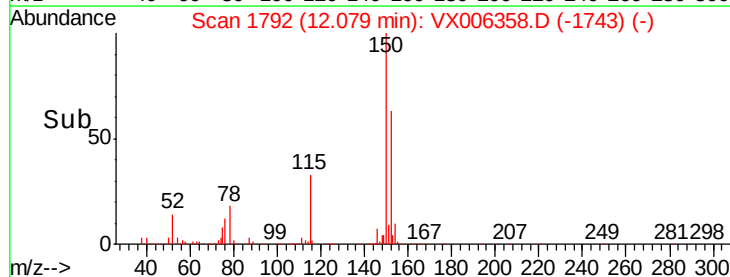
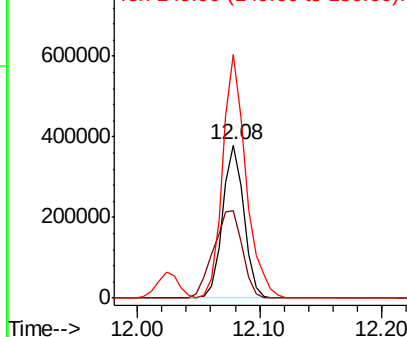
Lab File: VX006358.D

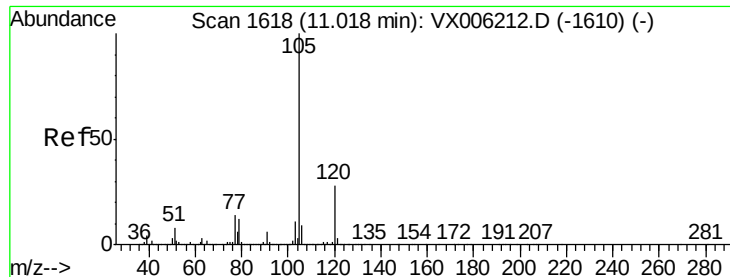
Acq: 07 Dec 2018 20:05

Tgt Ion:	152	Resp:	454693
Ion Ratio	Lower	Upper	
152	100		
115	78.4	39.0	116.9
150	174.2	0.0	345.8



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





#73

Isopropylbenzene

Concen: 50.797 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1595045

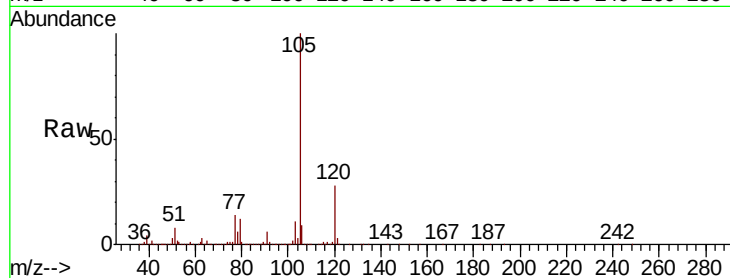
Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

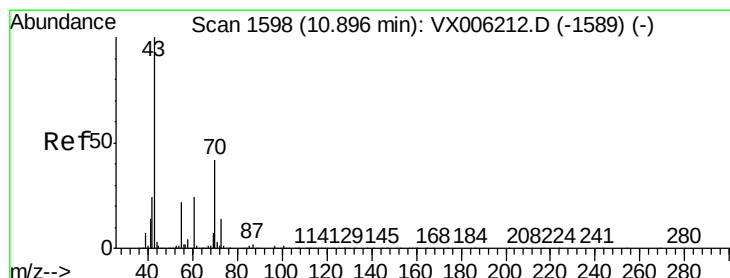
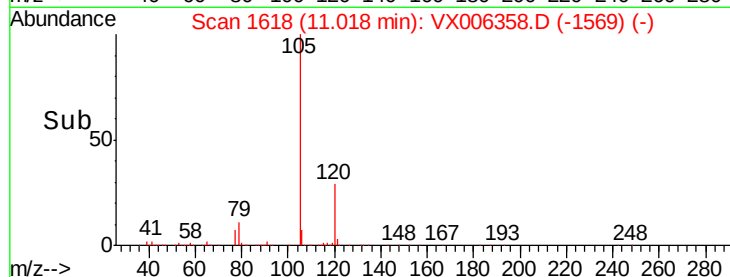
1500000

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 45.057 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tgt Ion: 43 Resp: 609242

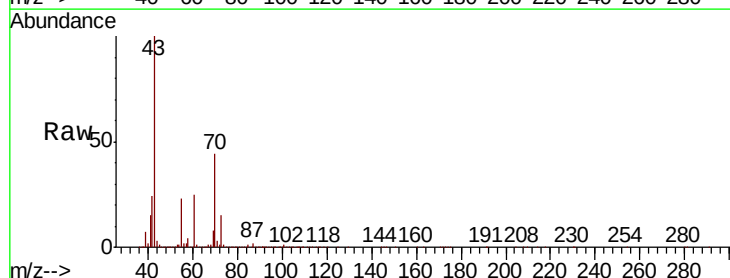
Ion Ratio Lower Upper

43 100

70 44.7 34.1 51.1

55 23.7 17.8 26.8

61 25.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

800000

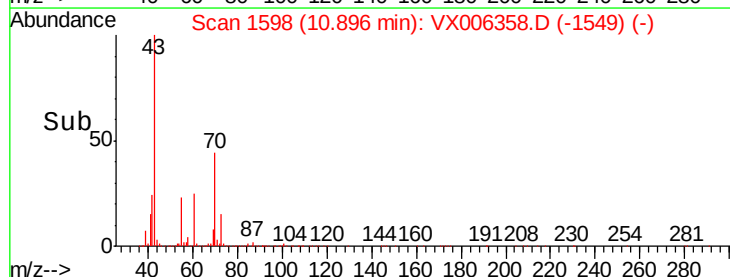
600000

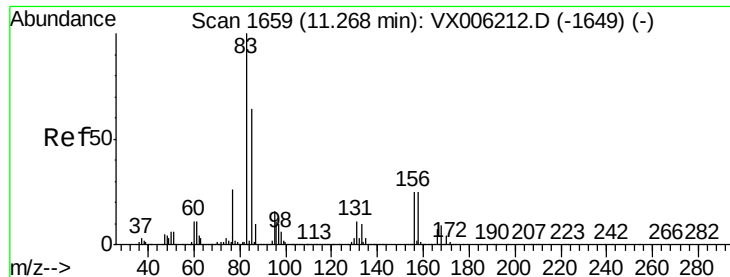
400000

200000

0

Time--> 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.053 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

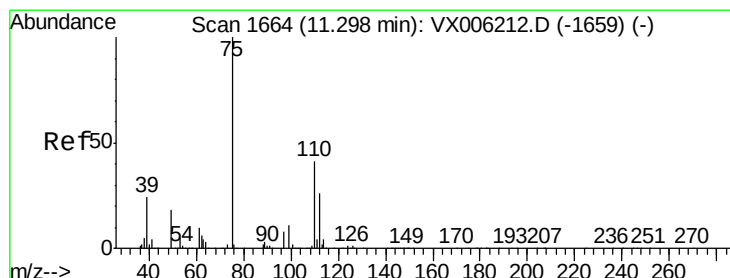
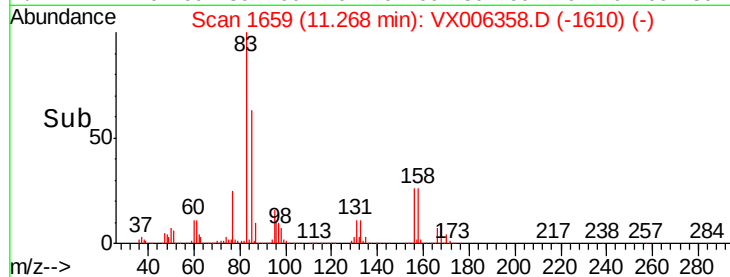
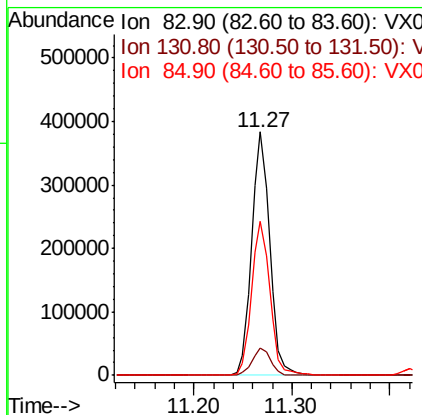
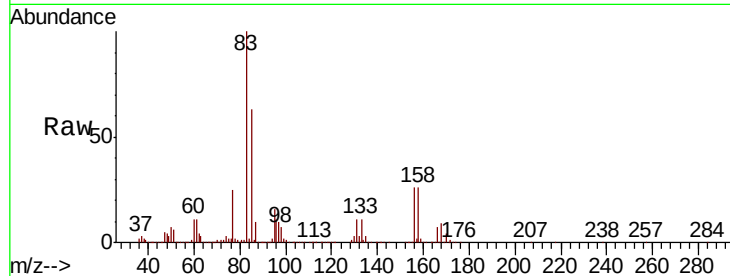
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	492774
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.1
85	64.0	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 52.122 ug/l m

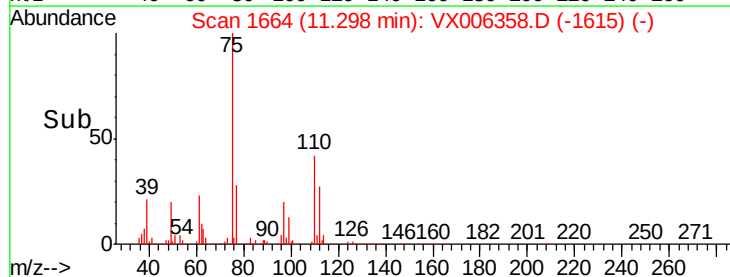
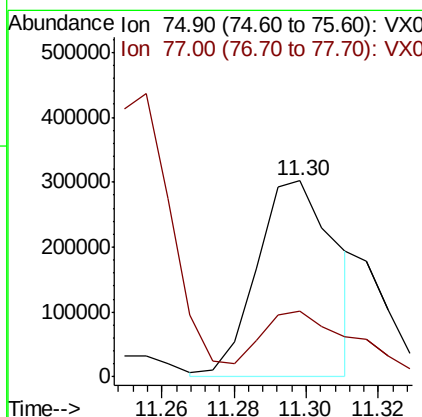
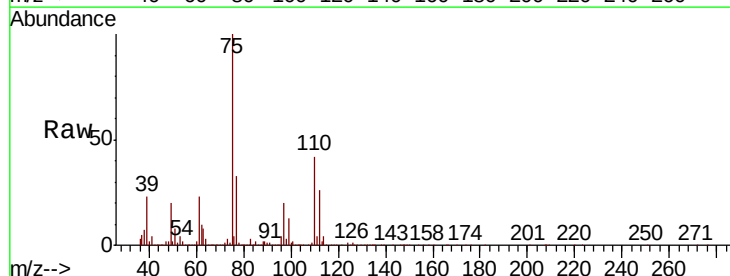
RT: 11.30 min Scan# 1664

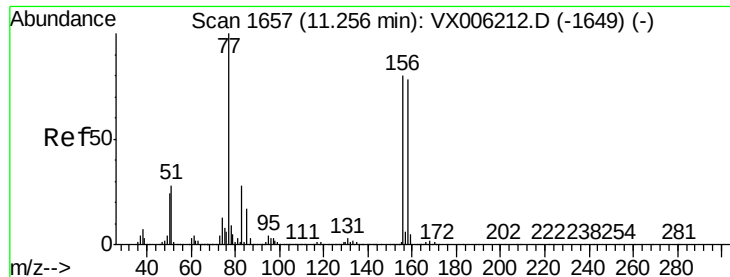
Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Tgt Ion:	75	Resp:	457441
Ion Ratio	Lower	Upper	
75	100		
77	39.8	19.9	59.7





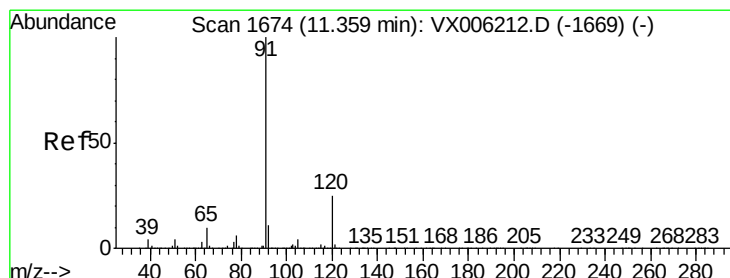
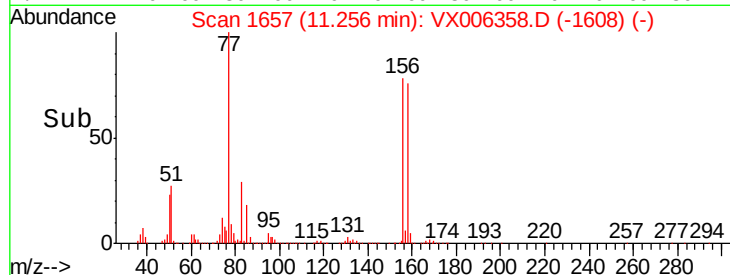
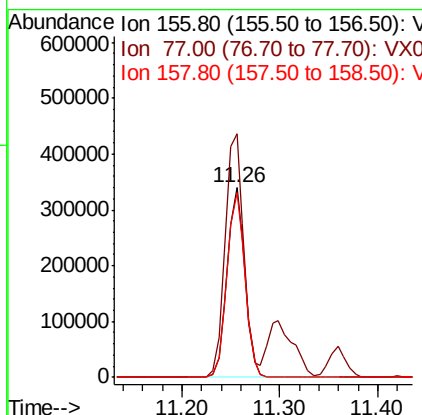
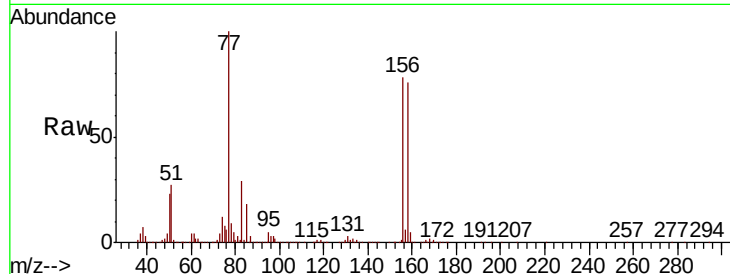
#77
Bromobenzene
Concen: 49.294 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.2	66.2	198.6
158	98.4	48.8	146.4

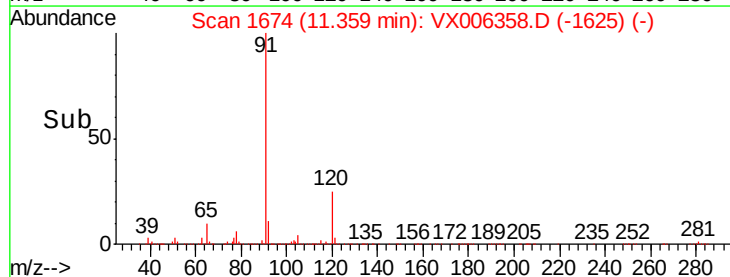
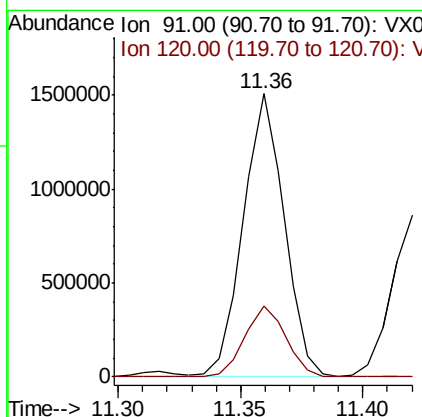
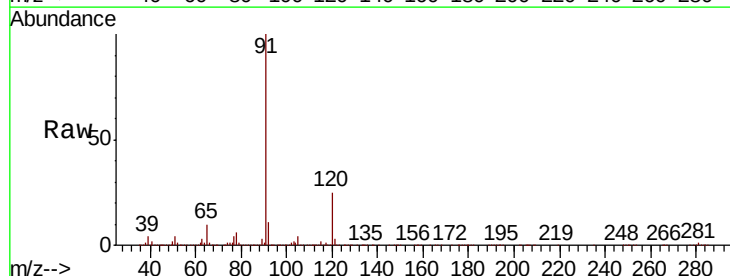
Manual Integrations
APPROVED

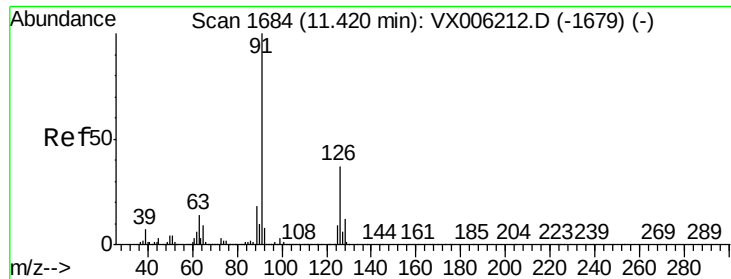
MMDadoda
12/10/2018 9:57:46 AM



#78
n-propylbenzene
Concen: 50.189 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	12.7	38.0





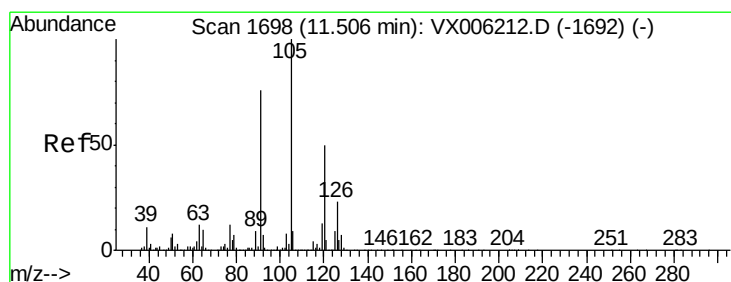
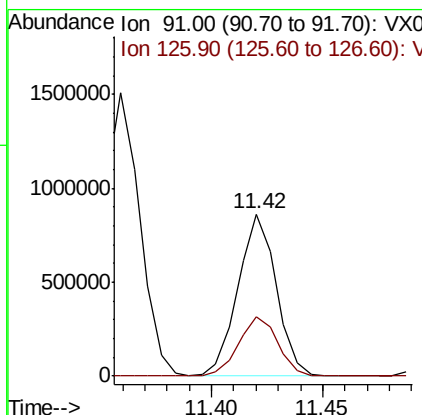
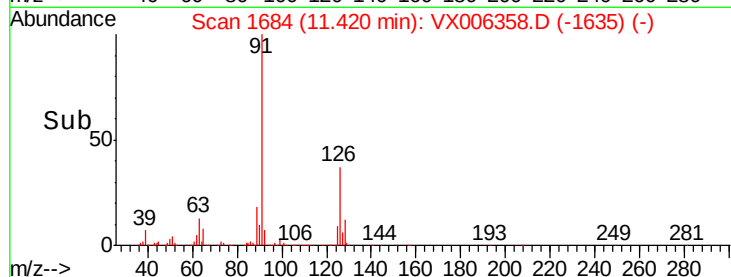
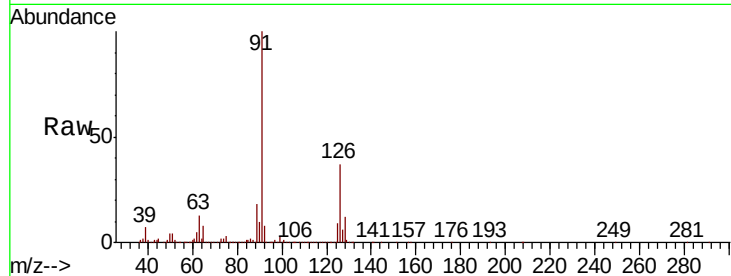
#79
 2-Chlorotoluene
 Concen: 49.808 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1033325
 Ion Ratio Lower Upper
 91 100
 126 37.8 18.6 56.0

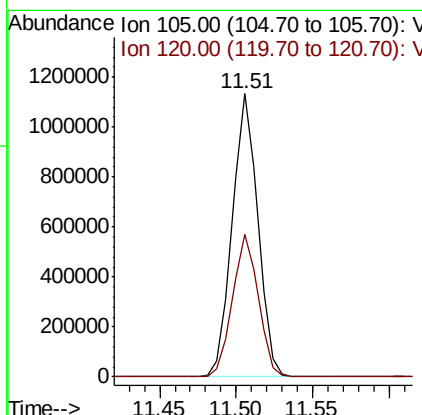
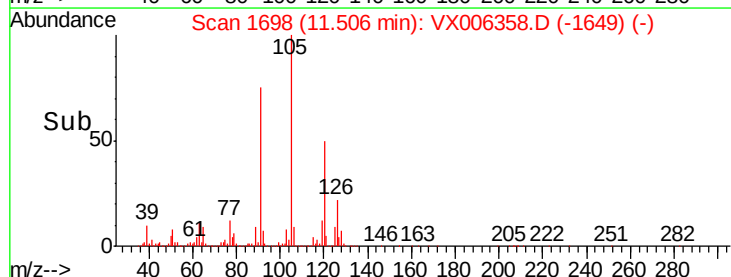
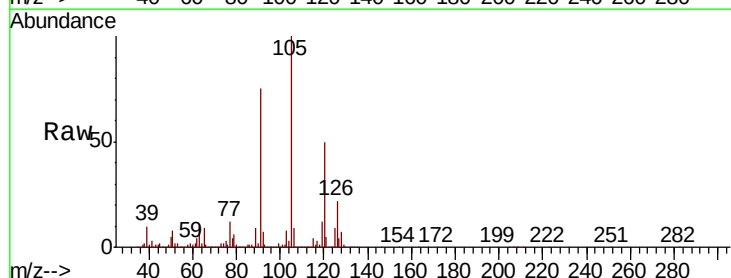
Manual Integrations
 APPROVED

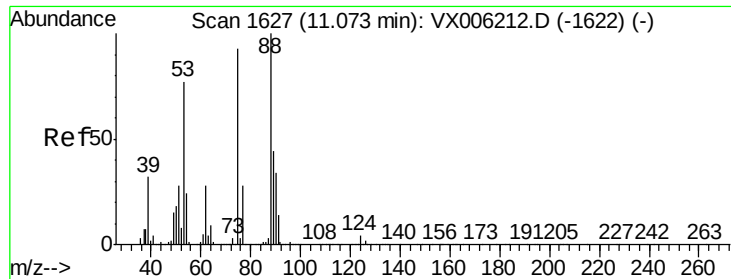
MMDadoda
 12/10/2018 9:57:46 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.239 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Tgt Ion: 105 Resp: 1312543
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.4 76.0





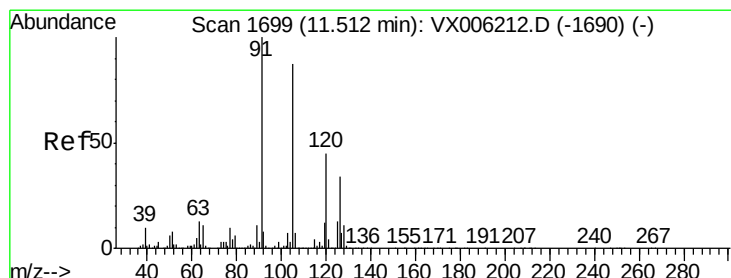
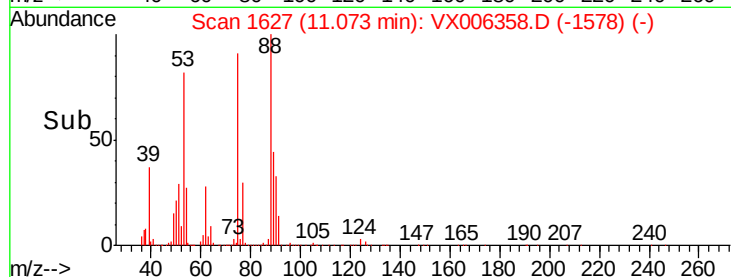
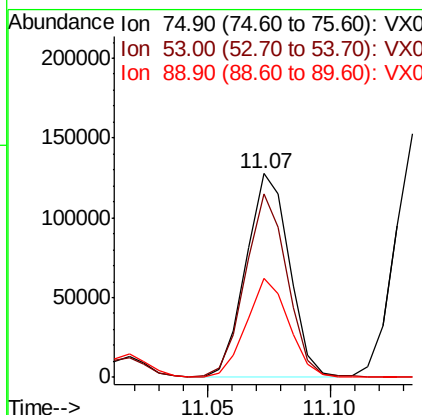
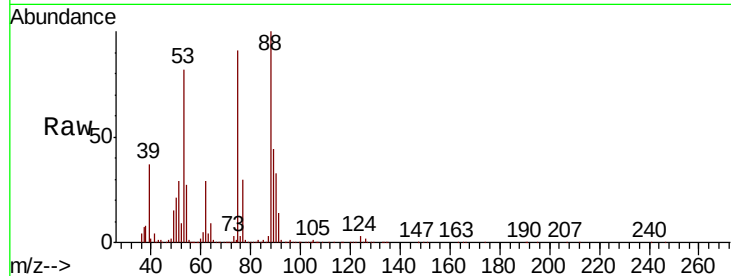
#81
trans-1,4-Dichloro-2-butene
Concen: 42.171 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.5	64.4	96.6
89	47.4	44.2	66.4

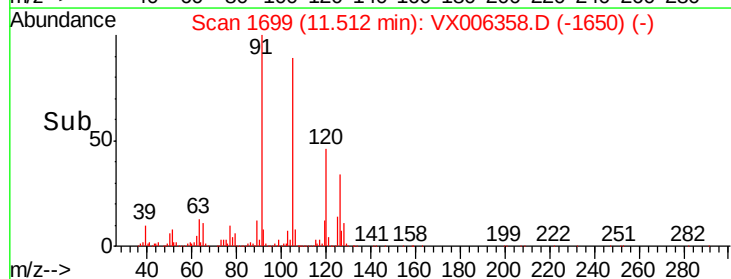
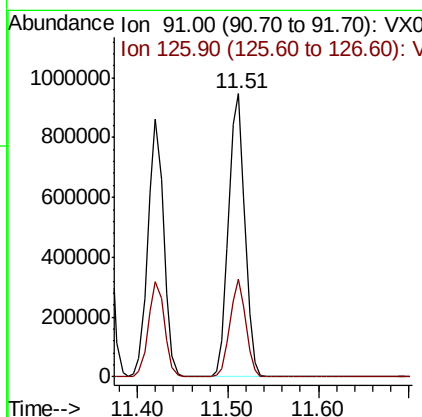
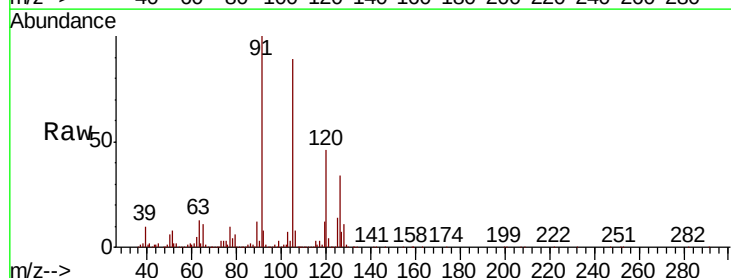
Manual Integrations
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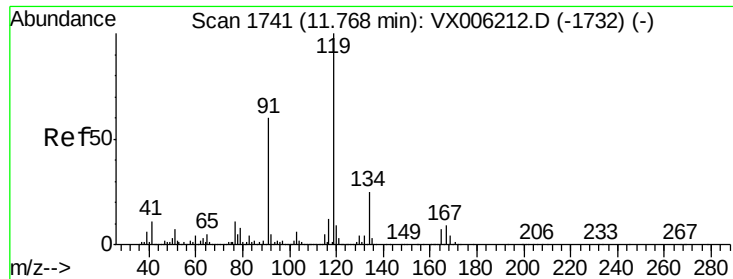
MMDadoda
12/10/2018 9:57:46 AM



#82
4-Chlorotoluene
Concen: 49.389 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4





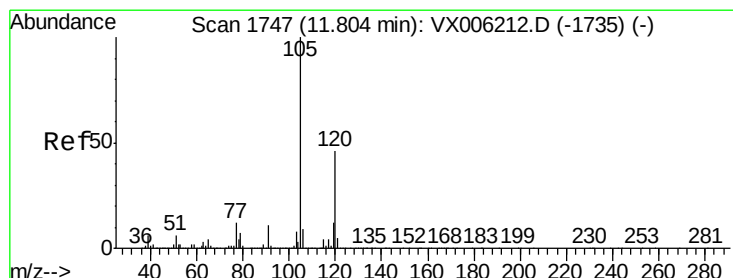
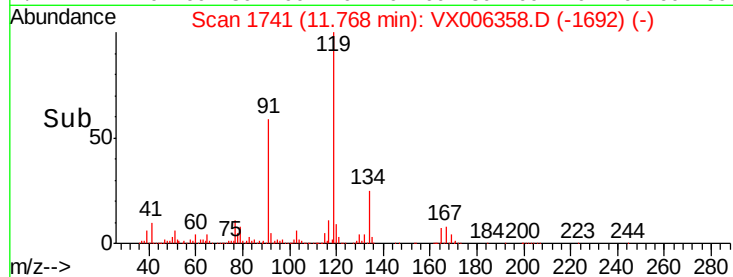
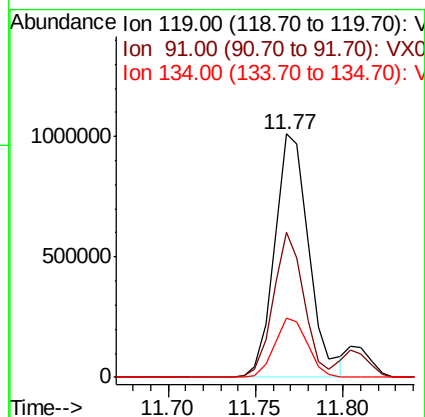
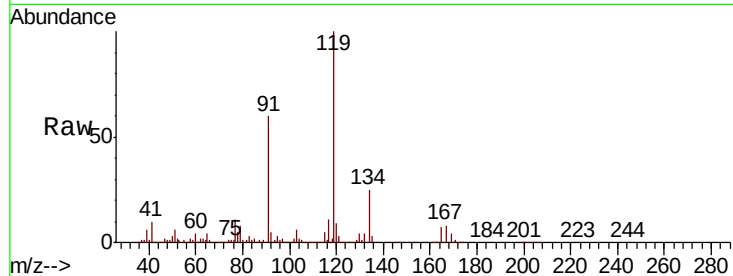
#83
 tert-Butylbenzene
 Concen: 49.868 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.5	26.4	79.2
134	23.3	11.6	34.7

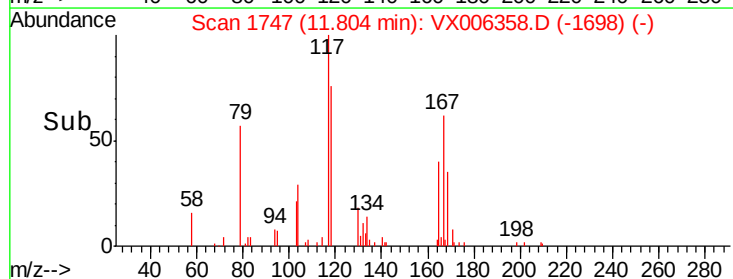
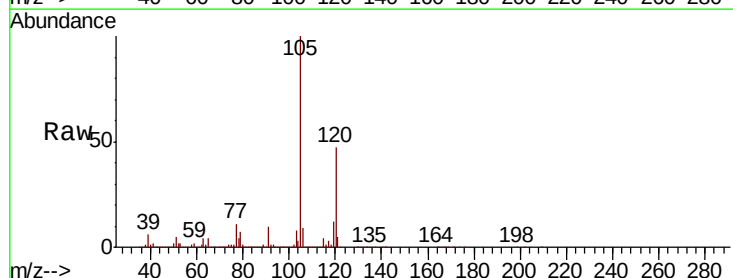
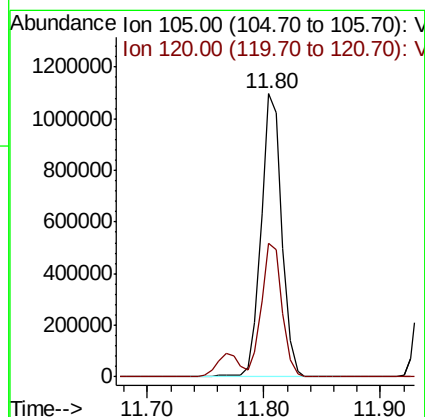
Manual Integrations
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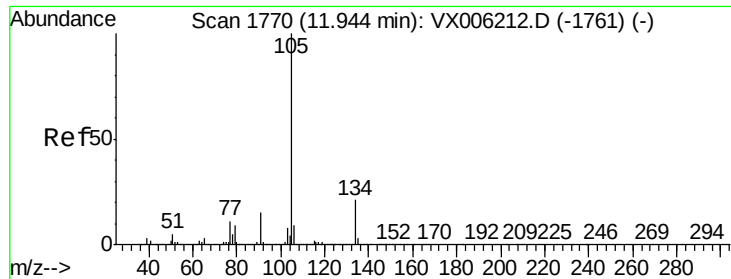
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 12/10/2018 9:57:46 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.006 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.0





#85

sec-Butylbenzene

Concen: 51.081 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1619909

Ion Ratio Lower Upper

105 100

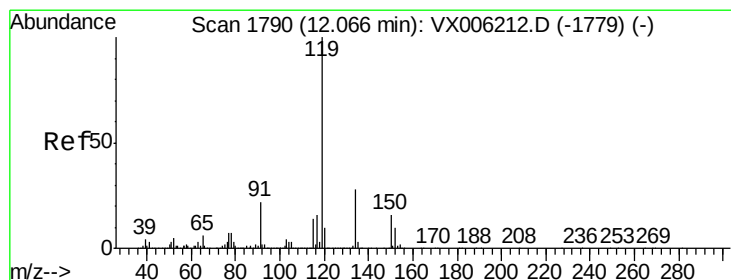
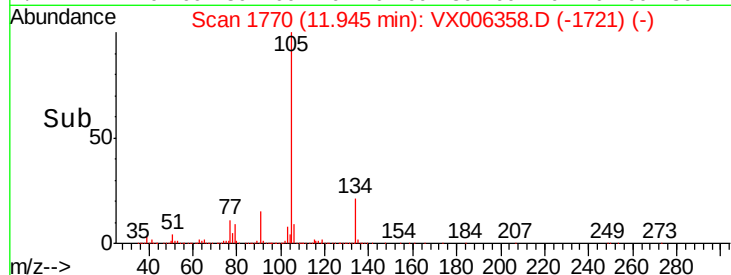
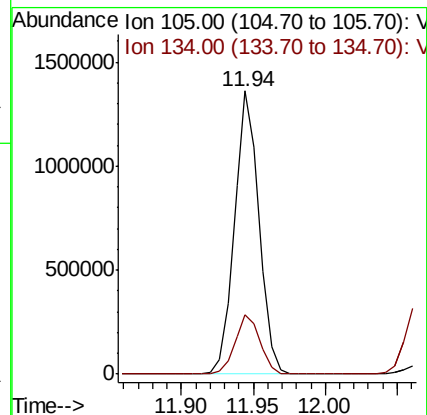
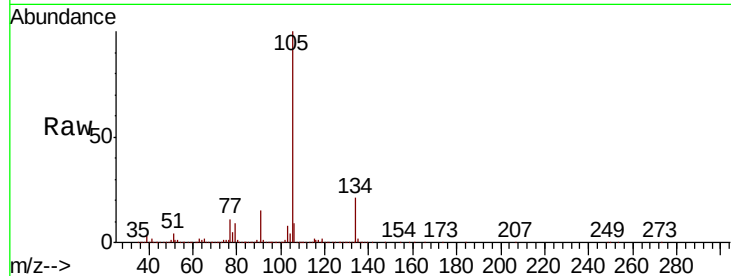
134 21.5 10.8 32.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.364 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

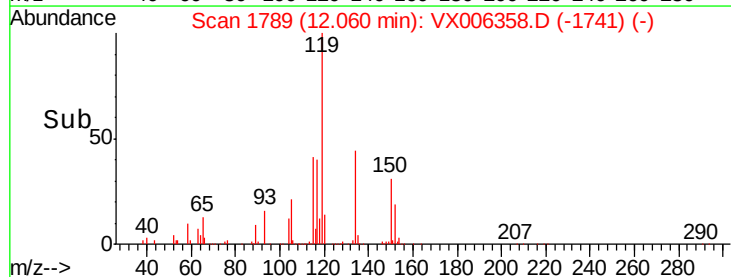
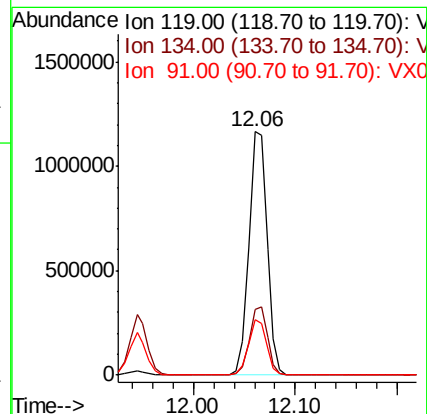
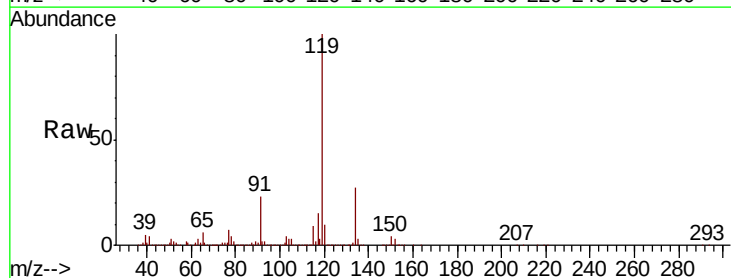
Tgt Ion:119 Resp: 1438182

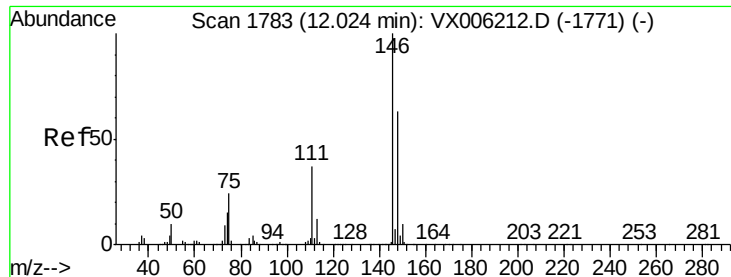
Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.6

91 22.4 11.3 33.8





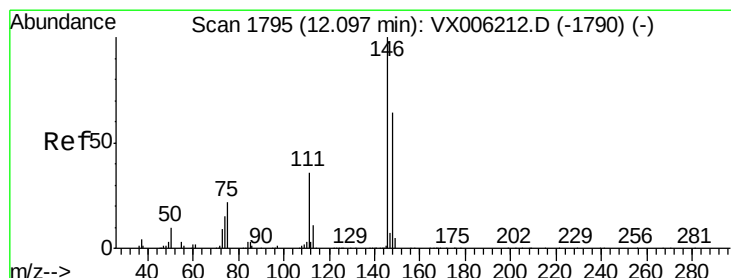
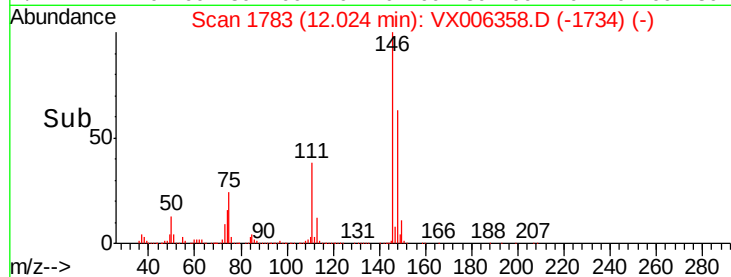
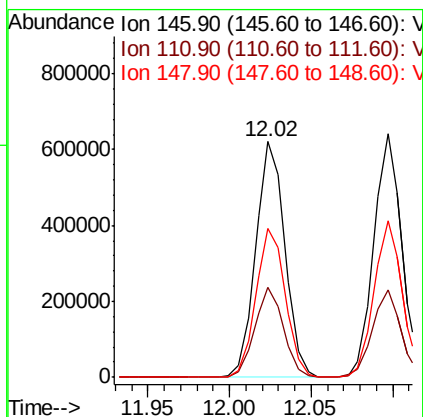
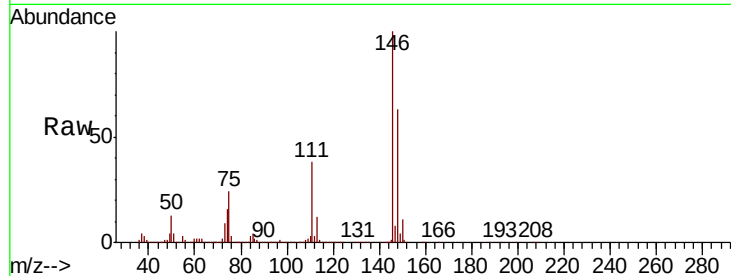
#87
 1,3-Dichlorobenzene
 Concen: 49.709 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.2
148	63.8	32.0	96.0

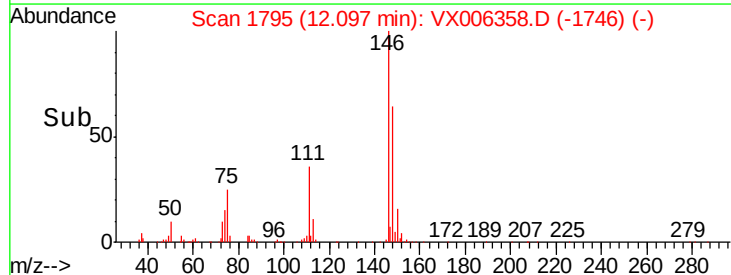
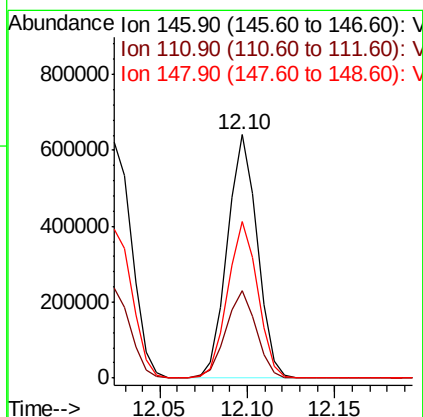
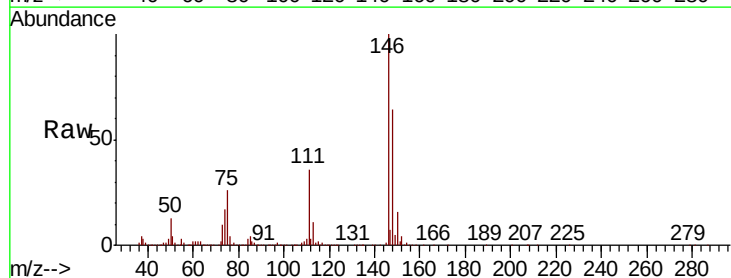
Manual Integrations
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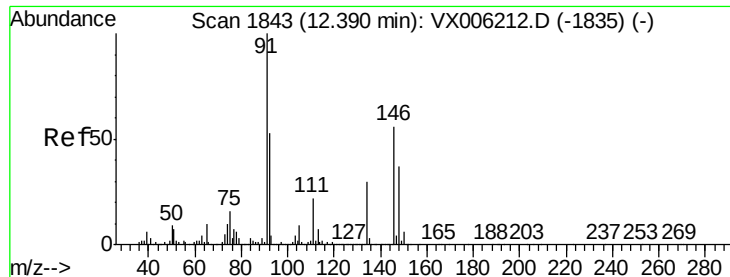
MMDadoda
 12/10/2018 9:57:46 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.432 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.8
148	64.8	31.9	95.9





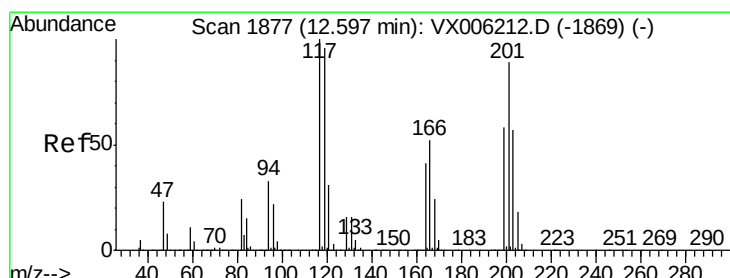
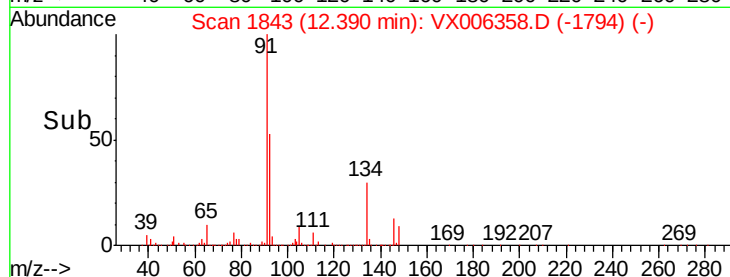
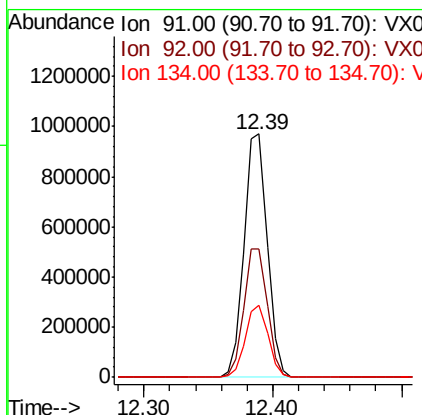
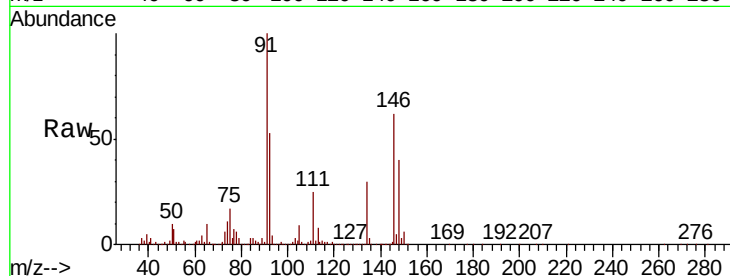
#89
n-Butylbenzene
Concen: 49.257 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.8
134	29.2	14.8	44.3

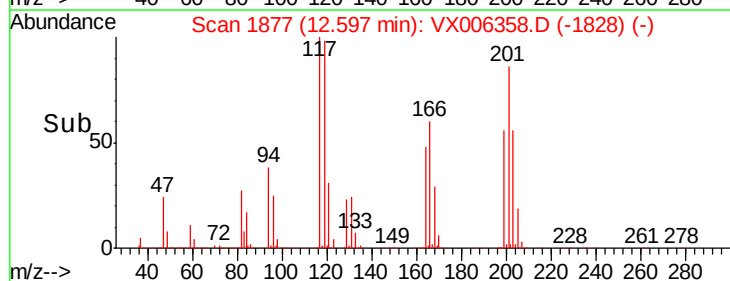
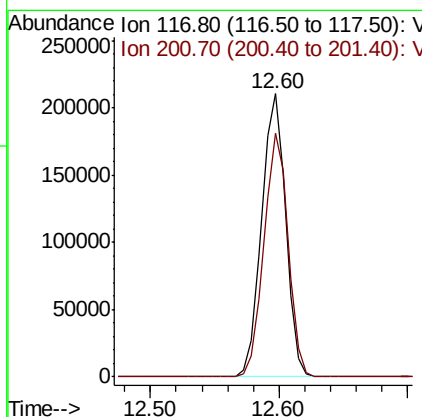
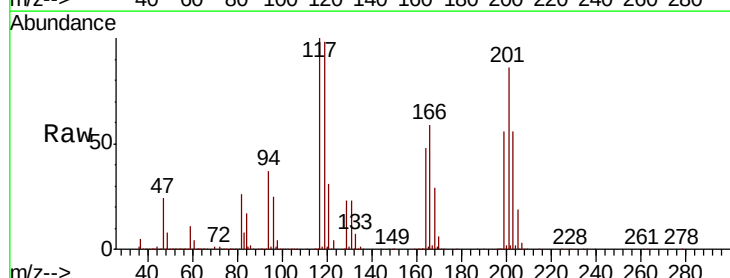
Manual Integrations
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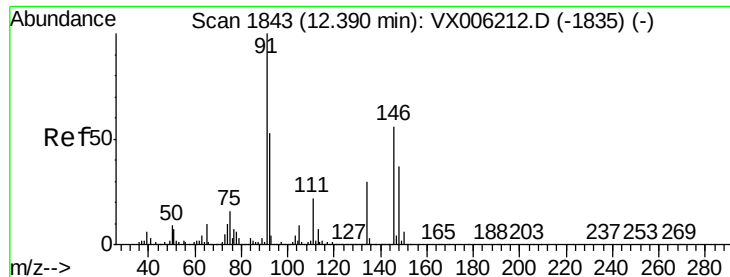
MMDadoda
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#90
Hexachloroethane
Concen: 46.667 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006358.D
Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	44.7	134.1





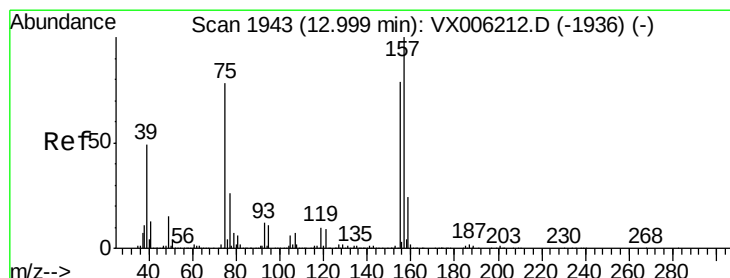
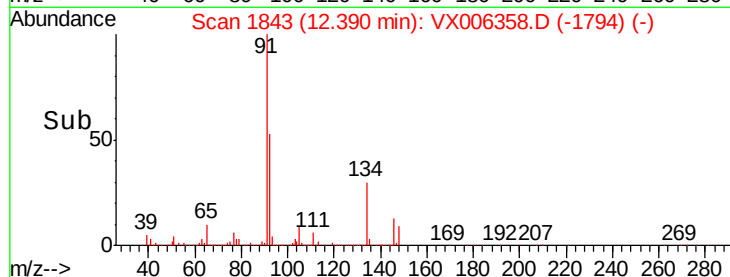
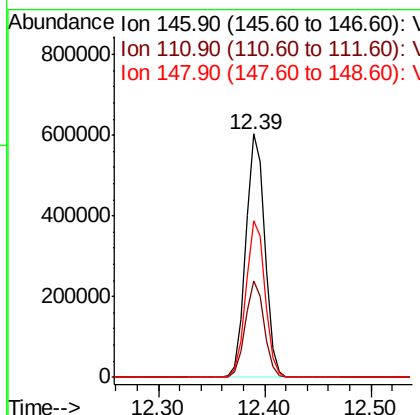
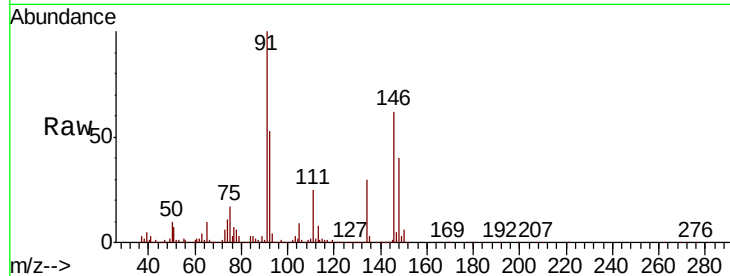
#91
 1,2-Dichlorobenzene
 Concen: 49.115 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	755817		
111	39.0	19.1	57.3	
148	64.4	32.1	96.3	

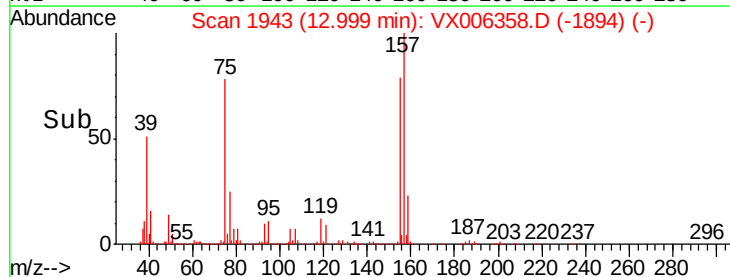
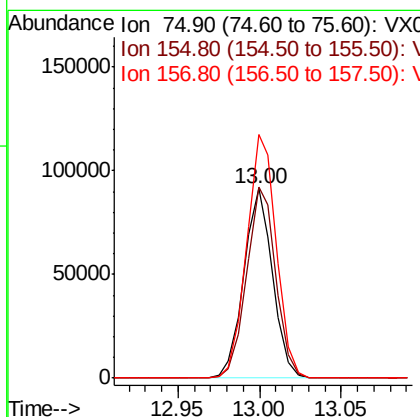
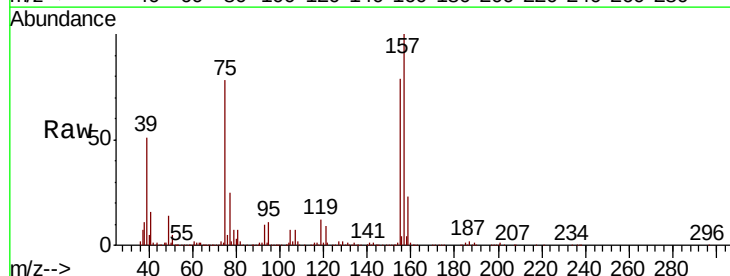
Manual Integrations
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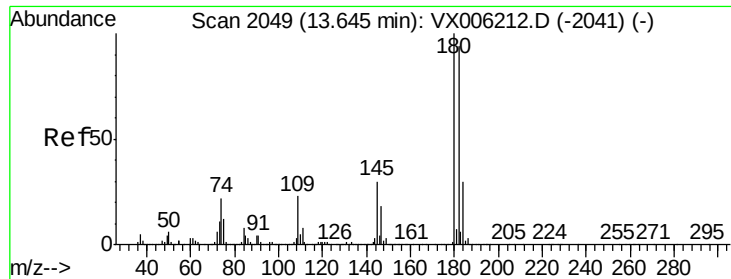
MMDadoda
 12/10/2018 9:57:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.729 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	112608		
155	102.2	53.4	160.3	
157	131.7	68.0	203.8	





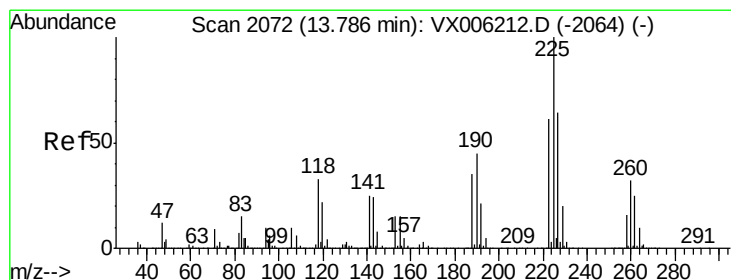
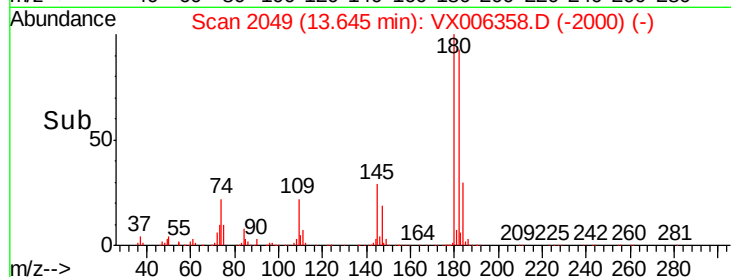
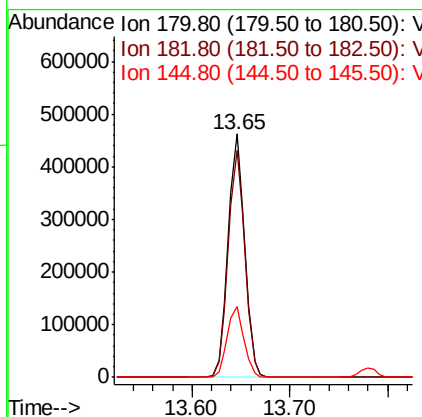
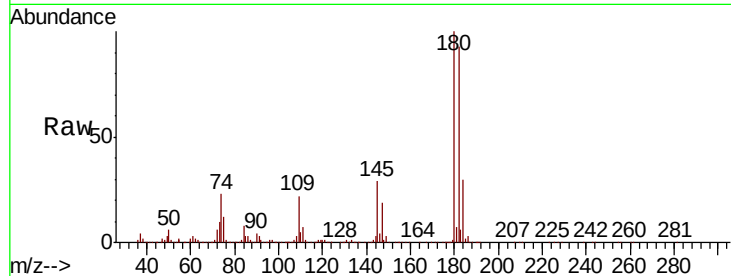
#93
 1,2,4-Trichlorobenzene
 Concen: 48.607 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	545719		
182	94.0	47.3	141.9	
145	29.6	14.6	43.8	

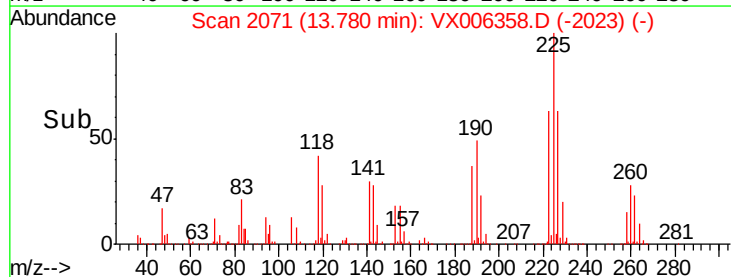
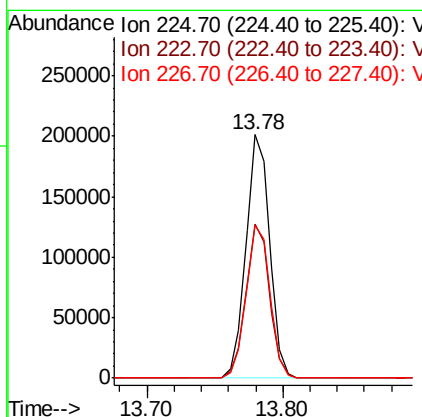
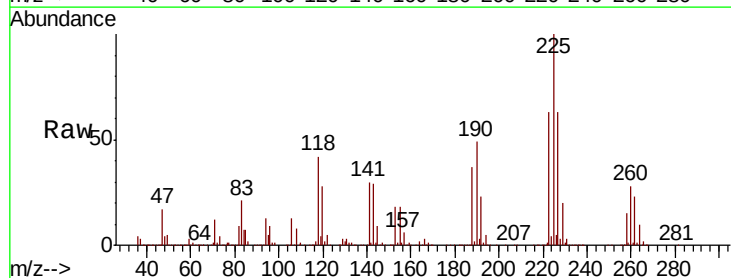
Manual Integrations
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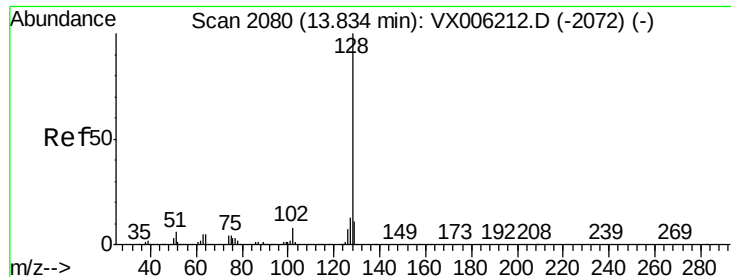
MMDadoda
 12/10/2018 9:57:46 AM



#94
 Hexachlorobutadiene
 Concen: 49.293 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006358.D
 Acq: 07 Dec 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	244744		
223	63.1	31.2	93.6	
227	63.3	31.9	95.5	





#95

Naphthalene

Concen: 49.411 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1725597

Ion Ratio Lower Upper

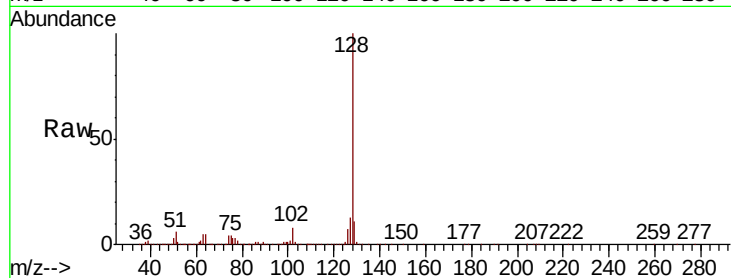
128 100

127 12.9 10.2 15.4

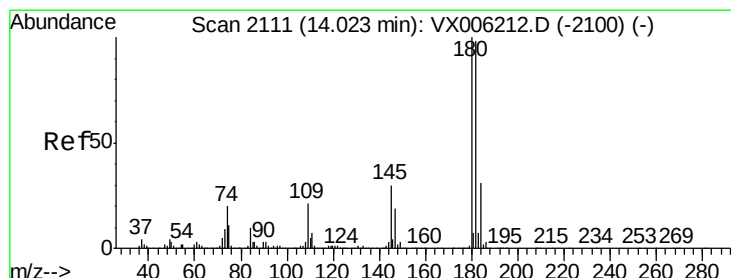
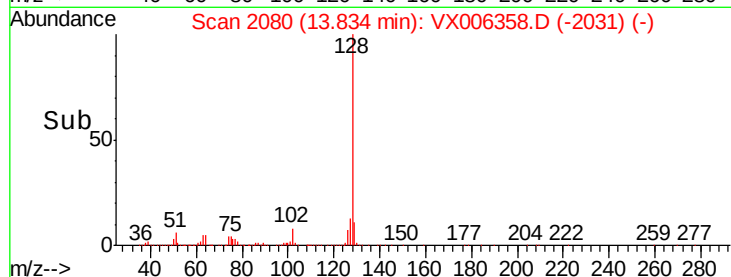
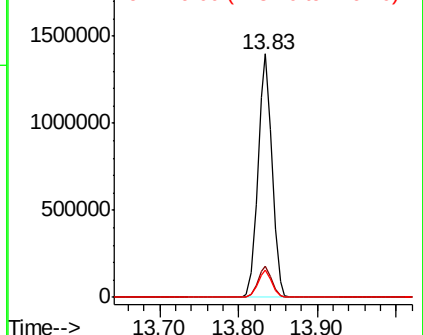
129 11.1 8.9 13.3

Manual Integrations
APPROVED

MMDadoda
12/10/2018 9:57:46 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.741 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006358.D

Acq: 07 Dec 2018 20:05

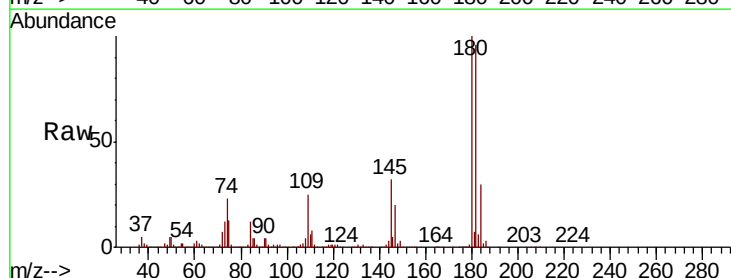
Tgt Ion:180 Resp: 542005

Ion Ratio Lower Upper

180 100

182 96.3 48.4 145.2

145 31.7 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

