

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012219\
 Data File : VX007192.D
 Acq On : 22 Jan 2019 19:54
 Operator : JC/SP
 Sample : K1215-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:29:41 AM

Quant Time: Jan 23 02:16:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	439371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	657435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	614916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	327129	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	229751	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	5.50	113	209520	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	8.71	98	758011	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	285560	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	178407	49.446	ug/l	99
3) Chloromethane	1.33	50	202156	48.129	ug/l	97
4) Vinyl Chloride	1.41	62	219643	48.612	ug/l	98
5) Bromomethane	1.64	94	224207	46.445	ug/l	96
6) Chloroethane	1.71	64	147796	46.847	ug/l	99
7) Trichlorofluoromethane	1.93	101	360628	49.398	ug/l	97
8) Diethyl Ether	2.19	74	144269	49.672	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	210313	48.118	ug/l	100
10) Methyl Iodide	2.51	142	330347	56.031	ug/l	99
11) Tert butyl alcohol	3.08	59	296822	274.029	ug/l	99
12) 1,1-Dichloroethene	2.37	96	196266	48.603	ug/l	97
13) Acrolein	2.29	56	161758	345.073	ug/l	99
14) Allyl chloride	2.73	41	349595	50.515	ug/l	99
15) Acrylonitrile	3.15	53	666599	268.079	ug/l	100
16) Acetone	2.45	43	566717	249.651	ug/l	100
17) Carbon Disulfide	2.57	76	439730	42.295	ug/l	99
18) Methyl Acetate	2.78	43	339835	51.695	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	730595	52.126	ug/l	99
20) Methylene Chloride	2.86	84	233501	54.127	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	210488	46.774	ug/l	98
22) Diisopropyl ether	3.87	45	667742	51.323	ug/l	97
23) Vinyl Acetate	3.82	43	2605934	237.503	ug/l	99
24) 1,1-Dichloroethane	3.70	63	364332	50.079	ug/l	98
25) 2-Butanone	4.70	43	852579	262.486	ug/l	100
26) 2,2-Dichloropropane	4.59	77	243787	43.578	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	240440	48.440	ug/l	98
28) Bromochloromethane	5.02	49	167339	52.499	ug/l	94
29) Tetrahydrofuran	5.15	42	545306	258.333	ug/l	98
30) Chloroform	5.21	83	392111	51.478	ug/l	97
31) Cyclohexane	5.57	56	299396	46.238	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	328823	50.931	ug/l	98
36) 1,1-Dichloropropene	5.80	75	269966	47.231	ug/l	99
37) Ethyl Acetate	4.85	43	298689	48.742	ug/l	97
38) Carbon Tetrachloride	5.78	117	284188	49.417	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	321545	44.127	ug/l	99
40) Benzene	6.14	78	856523	49.110	ug/l	99
41) Methacrylonitrile	5.06	41	175861	49.817	ug/l	99
42) 1,2-Dichloroethane	6.20	62	297876	49.425	ug/l	99
43) Isopropyl Acetate	6.46	43	489460	50.638	ug/l	98
44) Trichloroethene	7.21	130	247844	47.422	ug/l	95
45) 1,2-Dichloropropane	7.52	63	221564	50.531	ug/l	97
46) Dibromomethane	7.66	93	157504	51.112	ug/l	98
47) Bromodichloromethane	7.90	83	283854	54.116	ug/l	97
48) Methyl methacrylate	7.77	41	259533	52.285	ug/l	96
49) 1,4-Dioxane	7.75	88	127664	1127.286	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1731420	278.725	ug/l	99
52) Toluene	8.78	92	563221	50.244	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	304394	52.334	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	331349	51.586	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	244090	54.401	ug/l	97
56) Ethyl methacrylate	9.18	69	357165	54.527	ug/l	96
57) 1,3-Dichloropropane	9.37	76	385983	52.509	ug/l	99
59) 2-Hexanone	9.49	43	1306350	275.960	ug/l	99
60) Dibromochloromethane	9.58	129	254564	58.428	ug/l	97
61) 1,2-Dibromoethane	9.67	107	257037	52.036	ug/l	99
64) Tetrachloroethene	9.33	164	251639	47.267	ug/l	97
65) Chlorobenzene	10.14	112	669204	49.897	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	240571	53.322	ug/l	99
67) Ethyl Benzene	10.25	91	1089899	49.225	ug/l	99
68) m/p-Xylenes	10.36	106	858993	98.472	ug/l	98
69) o-Xylene	10.70	106	431853	50.763	ug/l	98
70) Styrene	10.71	104	702743	52.156	ug/l	99
71) Bromoform	10.86	173	189897	47.325	ug/l	99
73) Isopropylbenzene	11.02	105	1129516	48.966	ug/l	99
74) N-amyl acetate	10.90	43	442268	47.621	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	366527	50.051	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	338205m	51.018	ug/l	
77) Bromobenzene	11.26	156	313484	49.322	ug/l	100
78) n-propylbenzene	11.36	91	1260499	49.777	ug/l	99
79) 2-Chlorotoluene	11.42	91	756544	49.631	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	936567	48.591	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	99331	45.581	ug/l	99
82) 4-Chlorotoluene	11.51	91	875248	49.591	ug/l	100
83) tert-Butylbenzene	11.77	119	957166	49.773	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	957548	49.404	ug/l	100
85) sec-Butylbenzene	11.94	105	1128629	49.142	ug/l	100
86) p-Isopropyltoluene	12.06	119	1013555	49.338	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	552192	48.066	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	560725	51.510	ug/l	100
89) n-Butylbenzene	12.39	91	848981	48.480	ug/l	98
90) Hexachloroethane	12.60	117	158528	48.435	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	556020	49.044	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	77843	53.747	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	376220	48.369	ug/l	99

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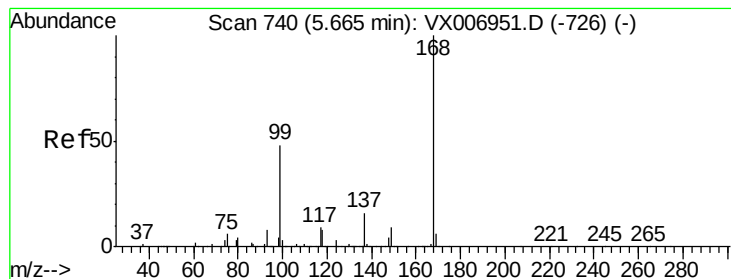
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	168899	48.933	ug/l	99
95) Naphthalene	13.83	128	1198799	50.863	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	382036	49.444	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion:168 Resp: 439371

Ion Ratio Lower Upper

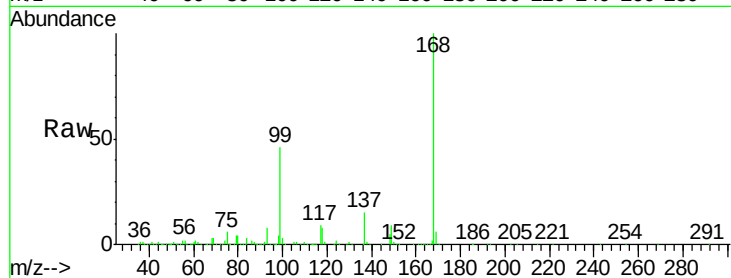
168 100

99 46.1 41.8 62.8

Manual Integrations
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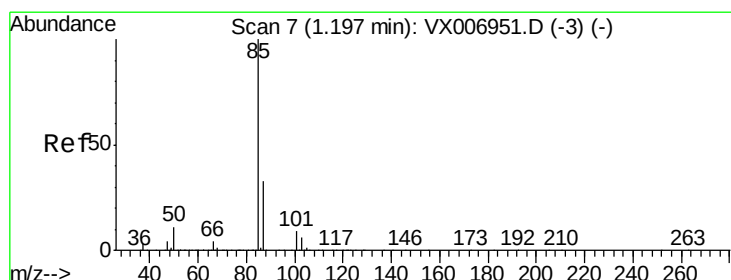
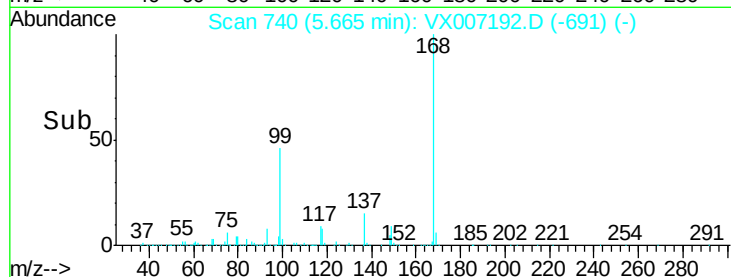
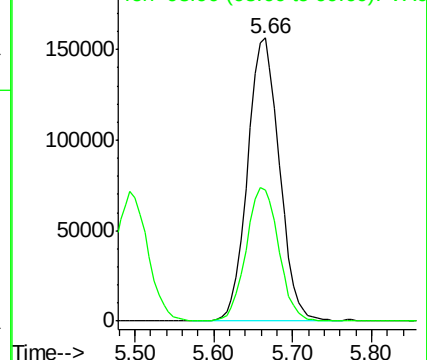
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.446 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007192.D

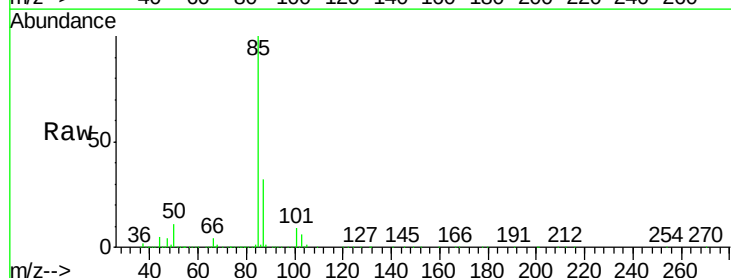
Acq: 22 Jan 2019 19:54

Tgt Ion: 85 Resp: 178407

Ion Ratio Lower Upper

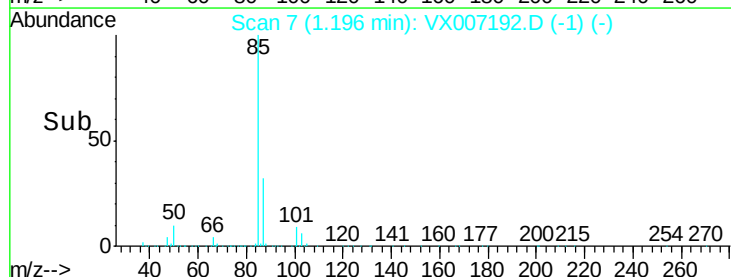
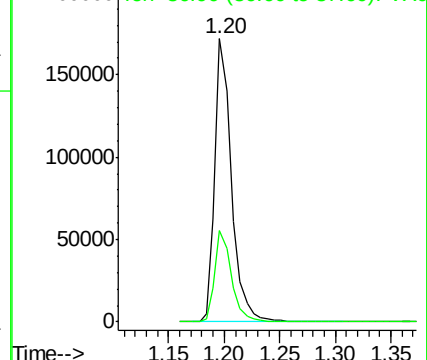
85 100

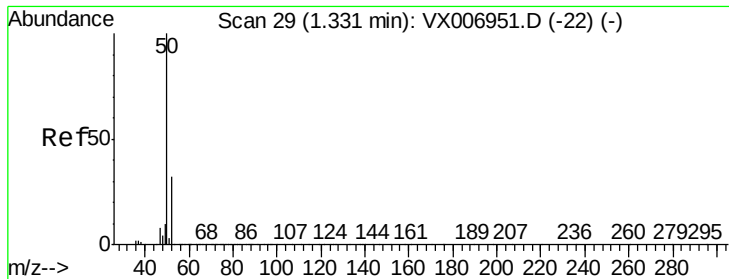
87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.129 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 50 Resp: 202156

Ion Ratio Lower Upper

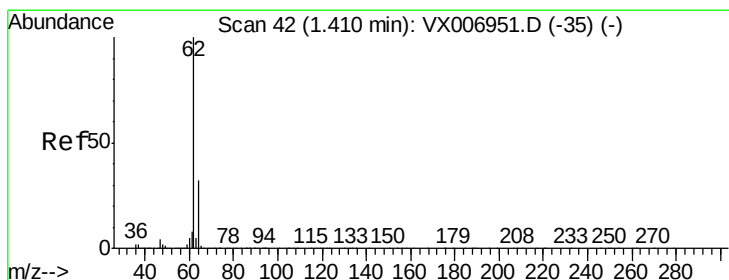
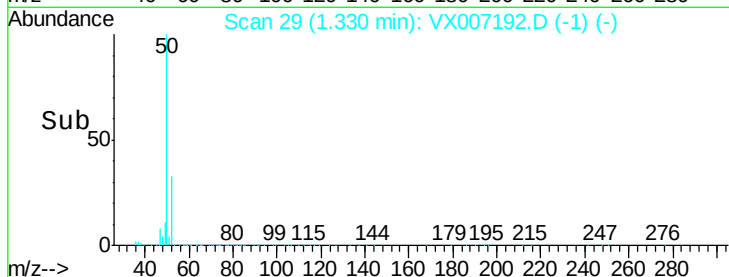
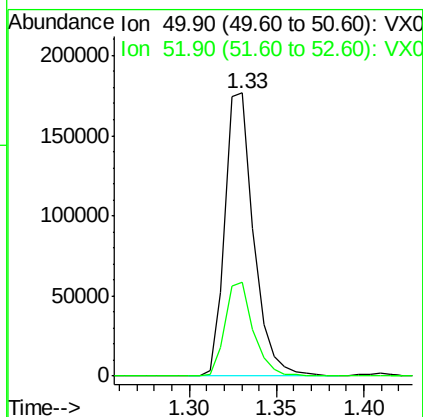
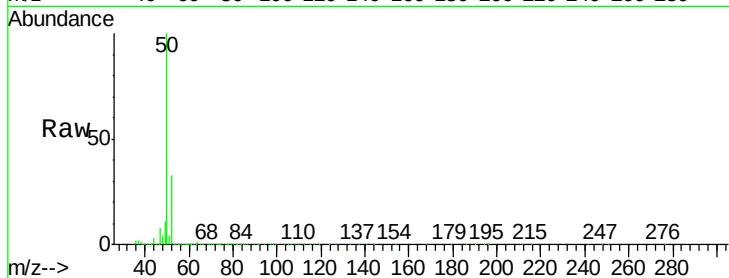
50 100

52 33.3 25.4 38.2

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#4

Vinyl Chloride

Concen: 48.612 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007192.D

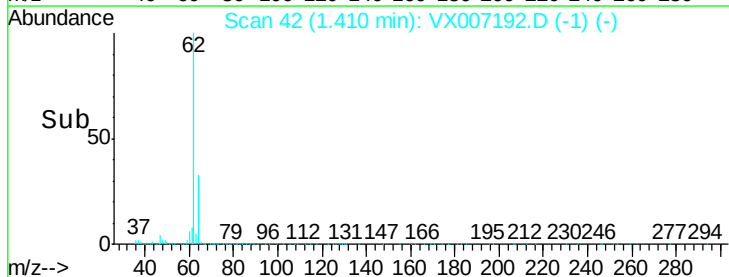
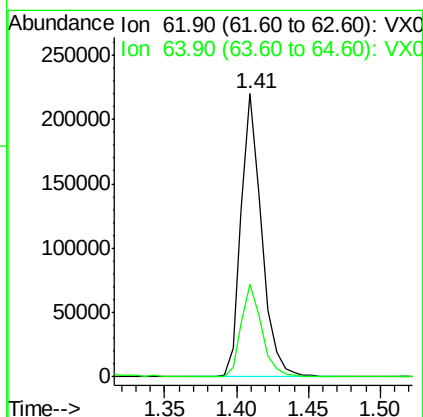
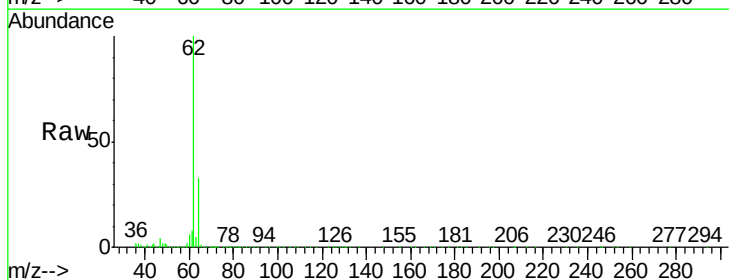
Acq: 22 Jan 2019 19:54

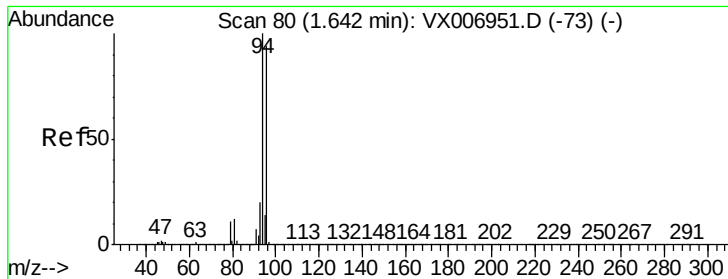
Tgt Ion: 62 Resp: 219643

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7





#5

Bromomethane

Concen: 46.445 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

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ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 94 Resp: 224207

Ion Ratio Lower Upper

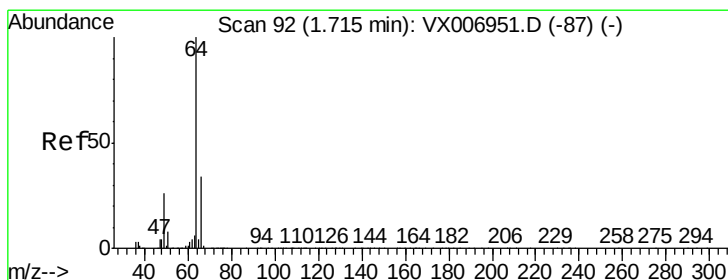
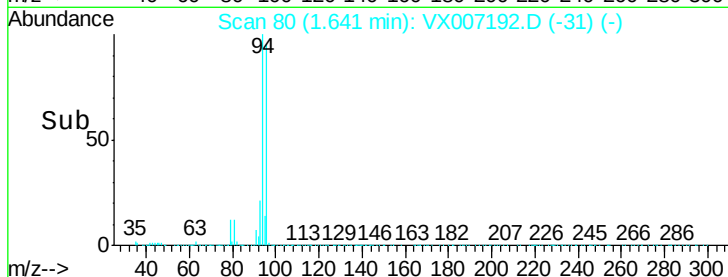
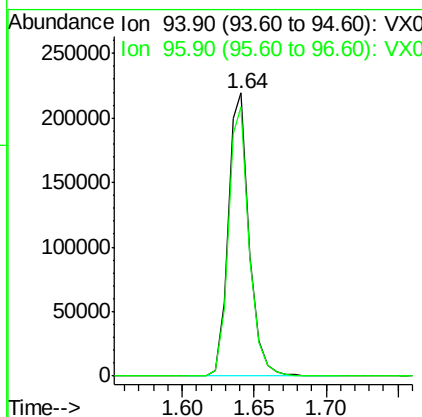
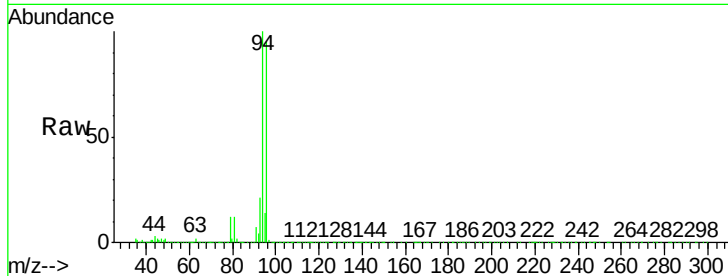
94 100

96 95.2 73.4 110.2

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#6

Chloroethane

Concen: 46.847 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007192.D

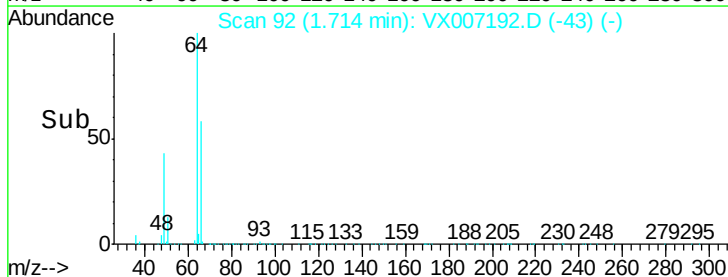
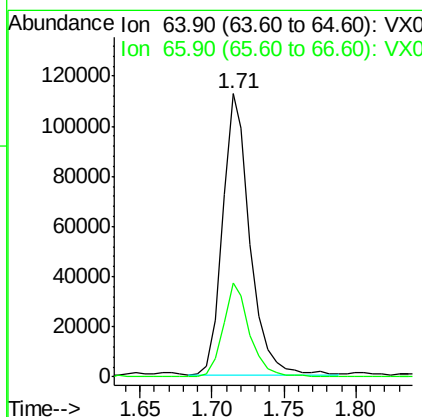
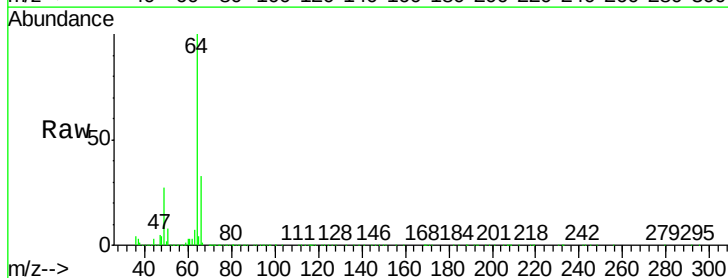
Acq: 22 Jan 2019 19:54

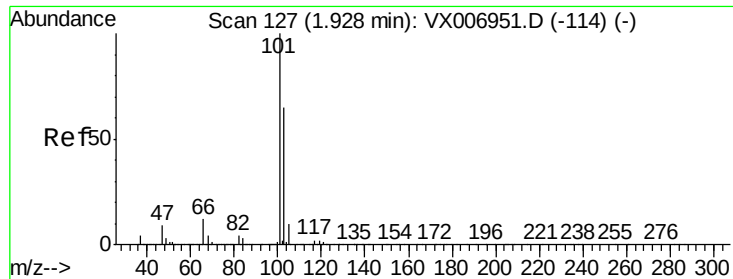
Tgt Ion: 64 Resp: 147796

Ion Ratio Lower Upper

64 100

66 33.5 26.4 39.6





#7

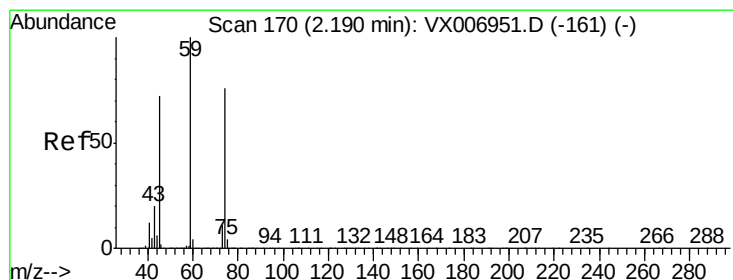
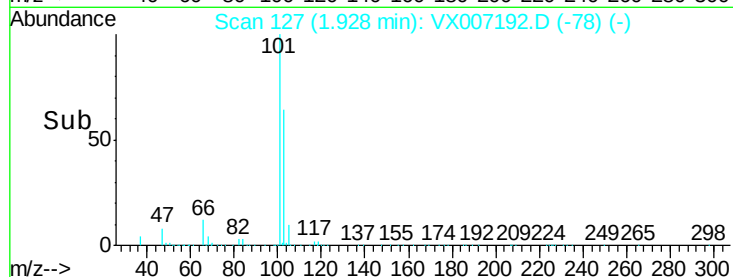
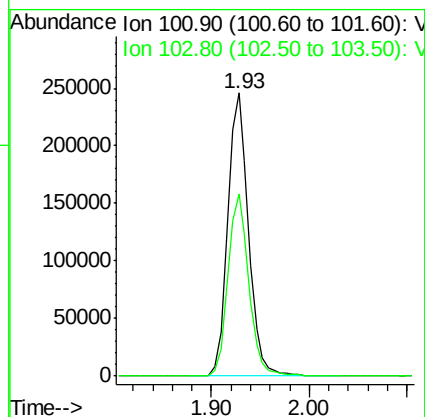
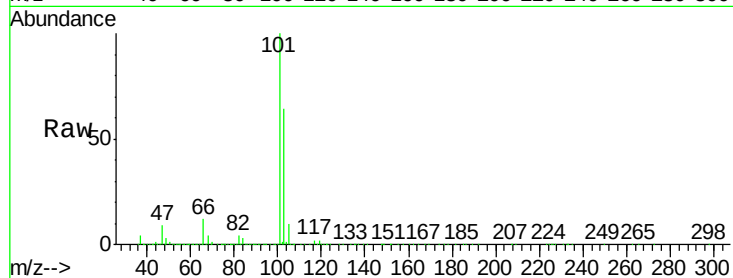
Trichlorofluoromethane
Concen: 49.398 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
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ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.2	79.8

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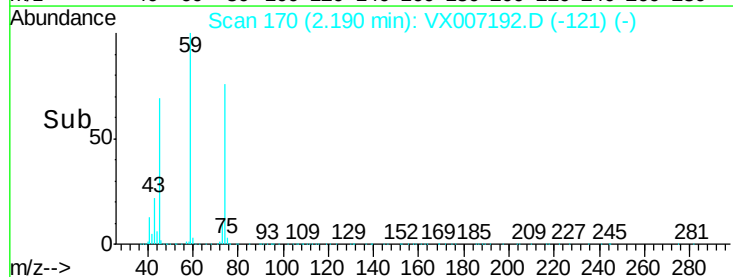
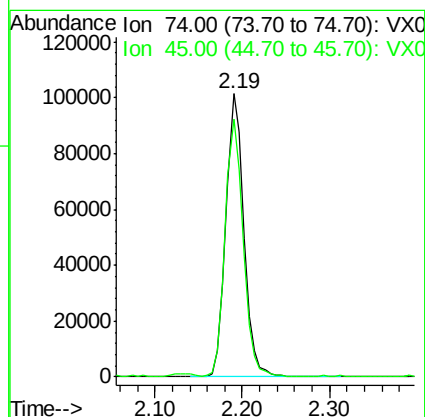
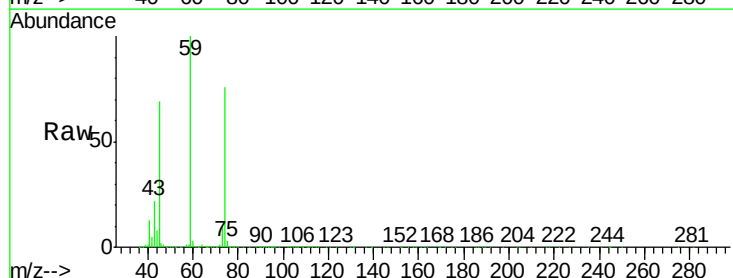
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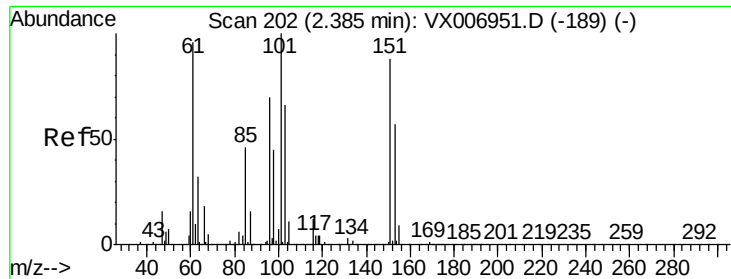


#8

Diethyl Ether
Concen: 49.672 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.118 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

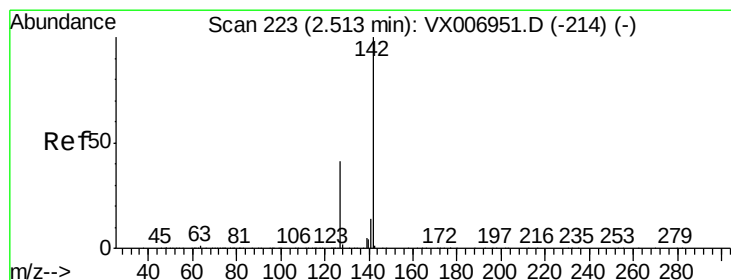
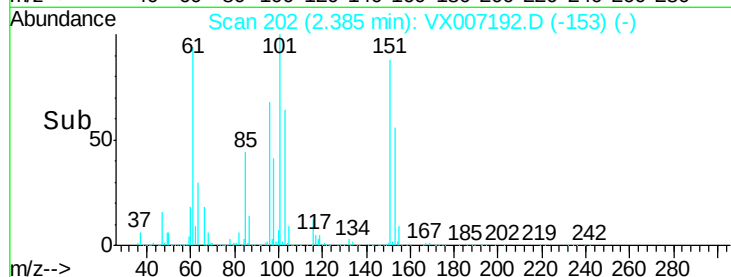
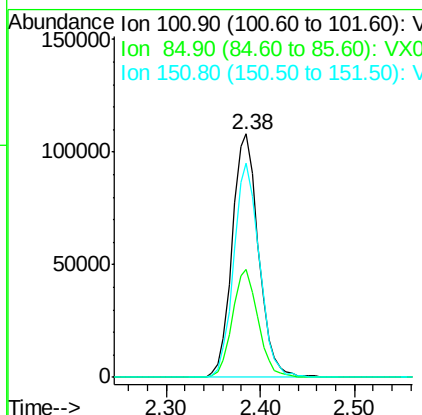
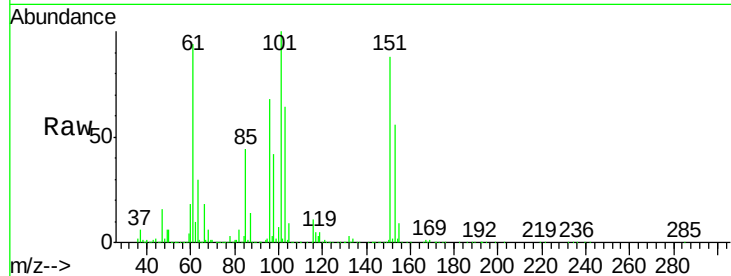
ClientSampleId :

SA-TW524-2327MSD

Tot Ion:	101	Resp:	210313
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.1	52.7
151	86.1	68.9	103.3

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#10

Methyl Iodide

Concen: 56.031 ug/l

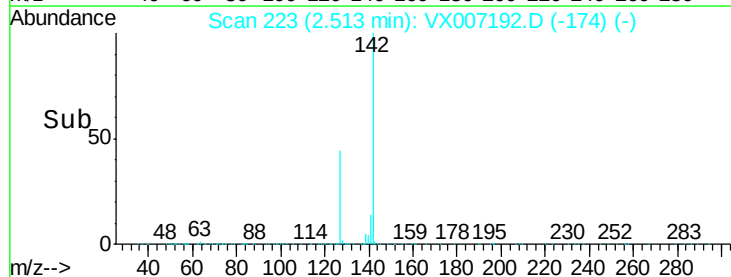
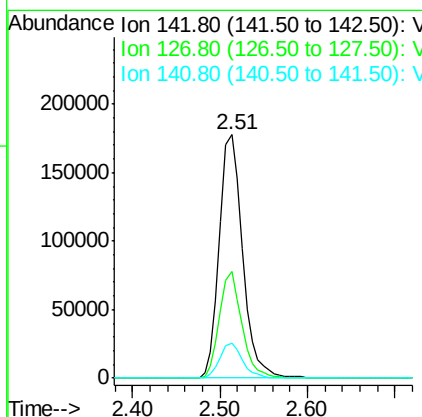
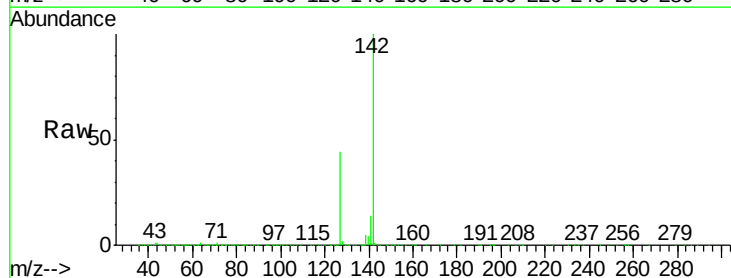
RT: 2.51 min Scan# 223

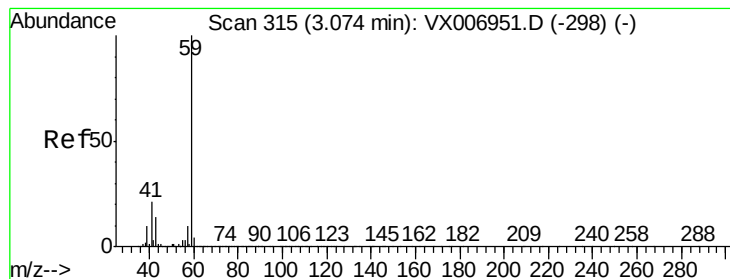
Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion:	142	Resp:	330347
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.9	50.9
141	14.3	11.4	17.0





#11

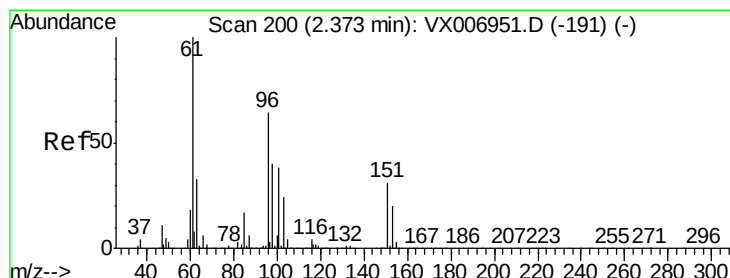
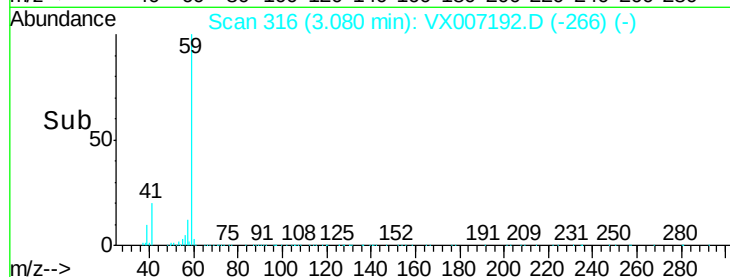
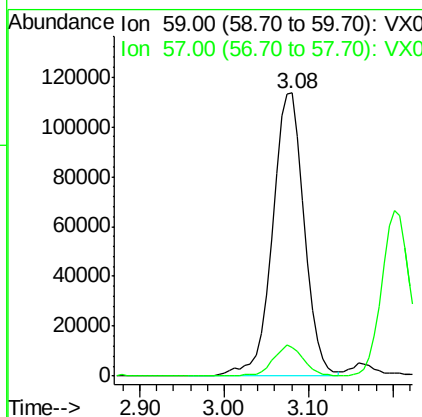
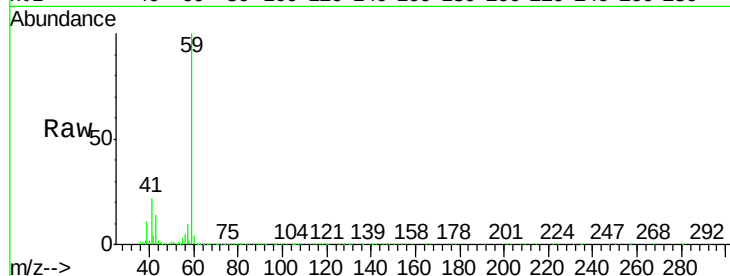
Tert butyl alcohol
Concen: 274.029 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	296822		
57	57	10.2		8.5	12.7

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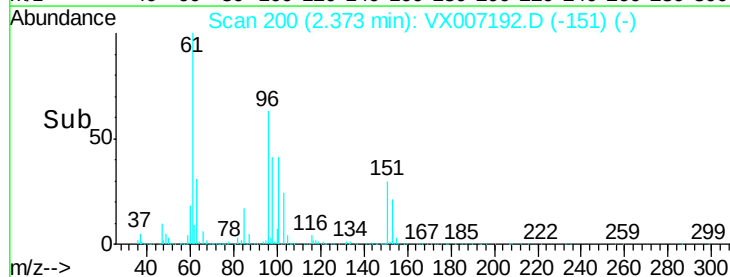
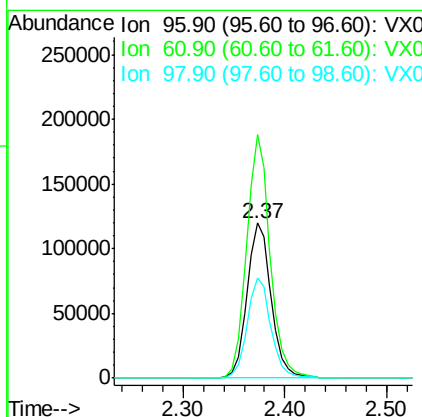
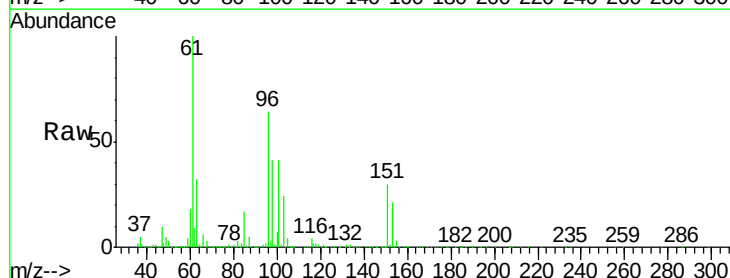
MMDadoda
1/23/2019 11:29:41 AM

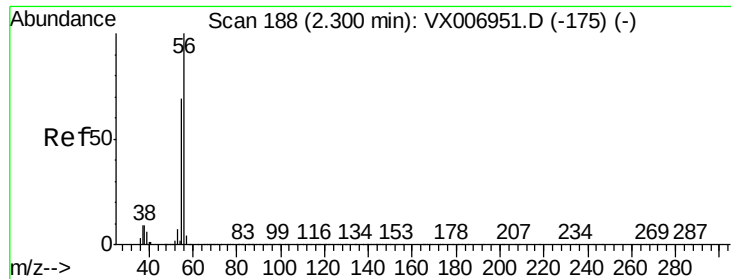


#12

1,1-Dichloroethene
Concen: 48.603 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	196266		
61	61	157.4		121.4	182.2
98	98	64.9		51.9	77.9





#13

Acrolein

Concen: 345.073 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 56 Resp: 161758

Ion Ratio Lower Upper

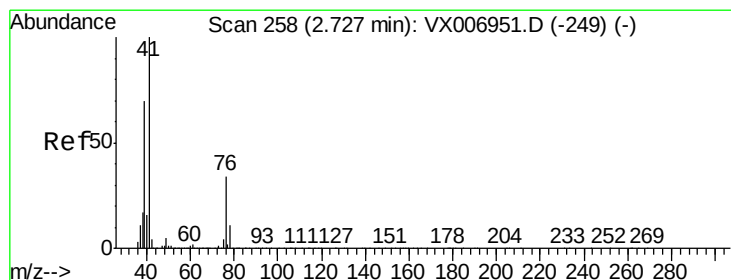
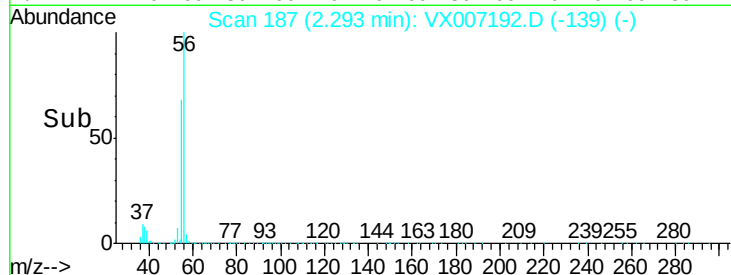
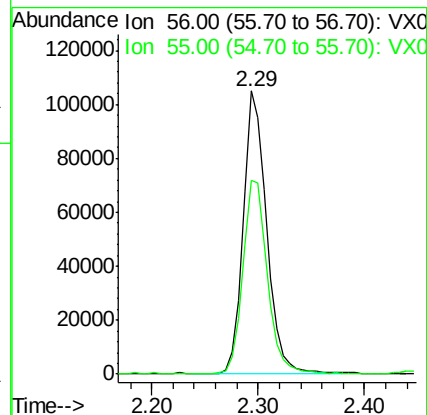
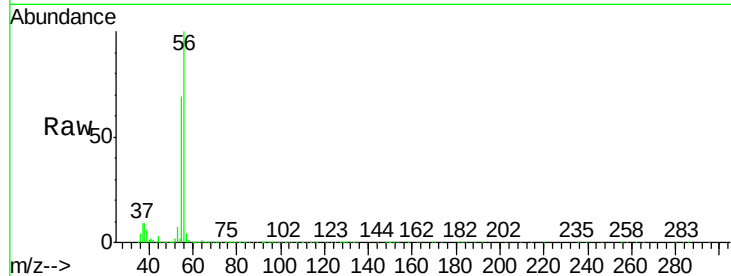
56 100

55 72.3 58.2 87.4

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#14

Allyl chloride

Concen: 50.515 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

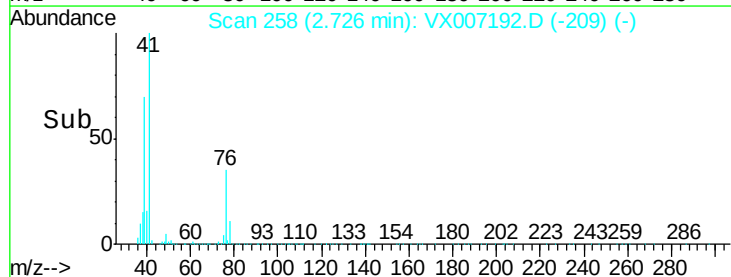
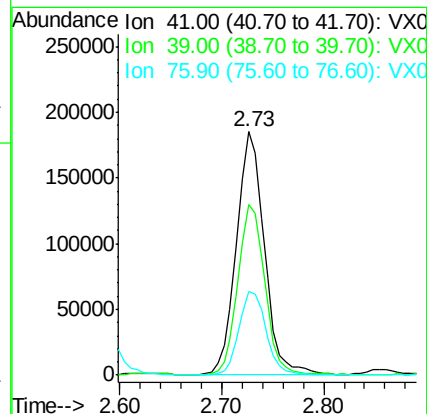
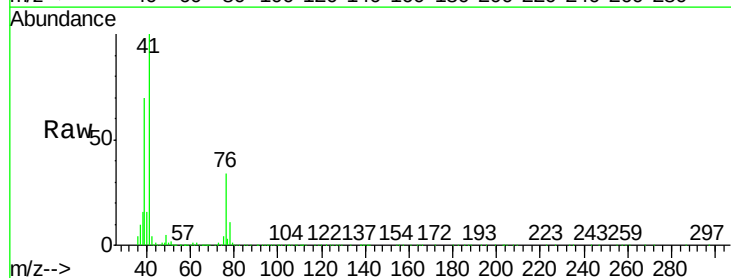
Tgt Ion: 41 Resp: 349595

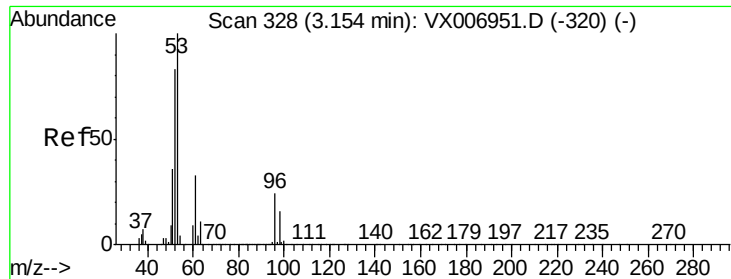
Ion Ratio Lower Upper

41 100

39 67.1 53.6 80.4

76 33.3 27.4 41.2





#15

Acrylonitrile

Concen: 268.079 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

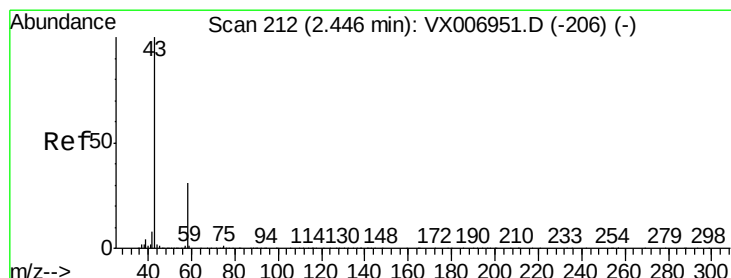
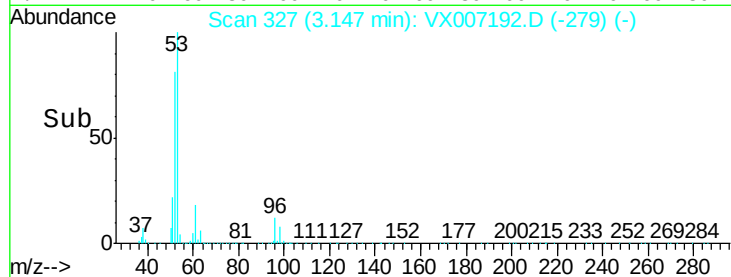
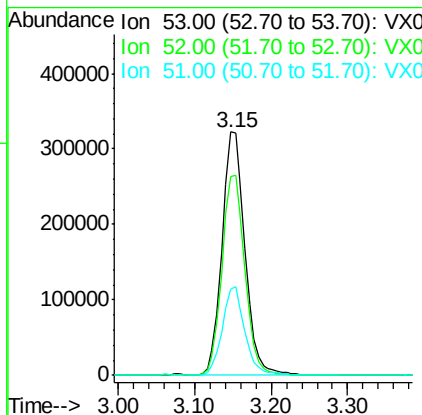
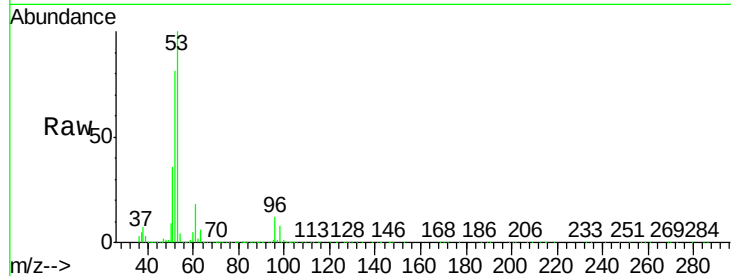
ClientSampleId :

SA-TW524-2327MSD

Tot Ion:	53	Resp:	666599
Ion Ratio		Lower	Upper
53	100		
52	82.1	66.0	99.0
51	35.7	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 249.651 ug/l

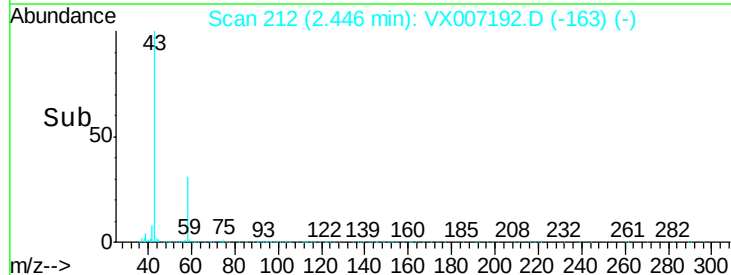
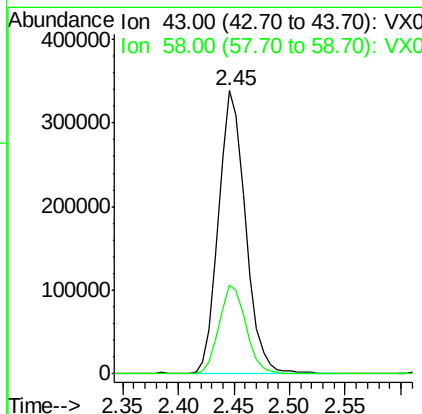
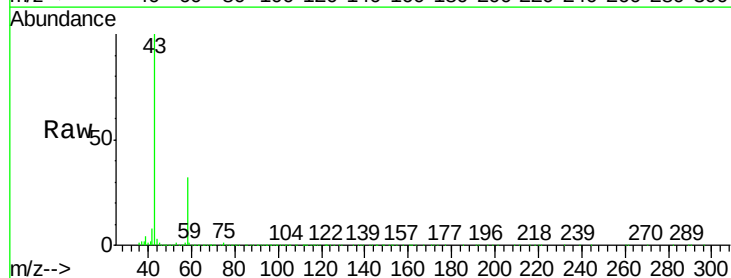
RT: 2.45 min Scan# 212

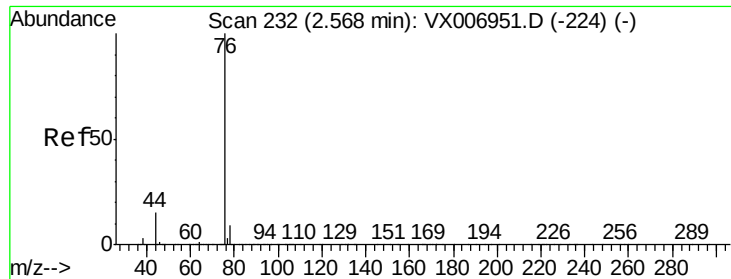
Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion:	43	Resp:	566717
Ion Ratio		Lower	Upper
43	100		
58	31.5	25.0	37.6





#17

Carbon Disulfide

Concen: 42.295 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 76 Resp: 439730

Ion Ratio Lower Upper

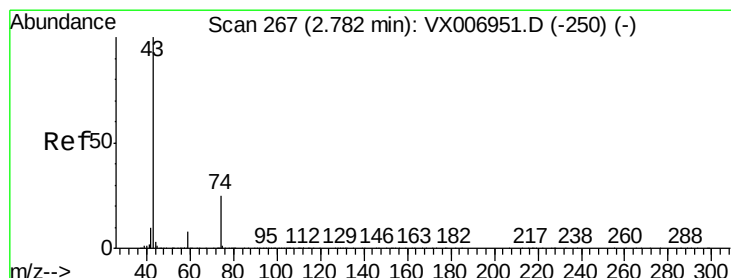
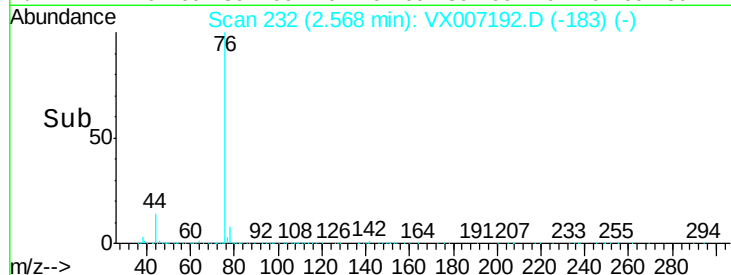
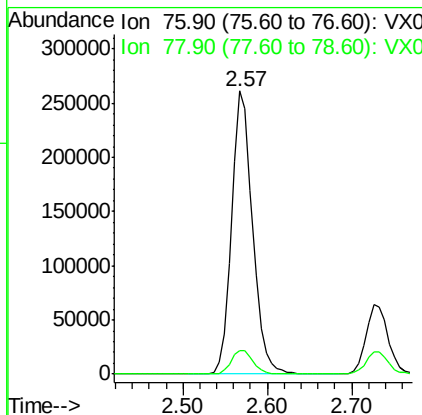
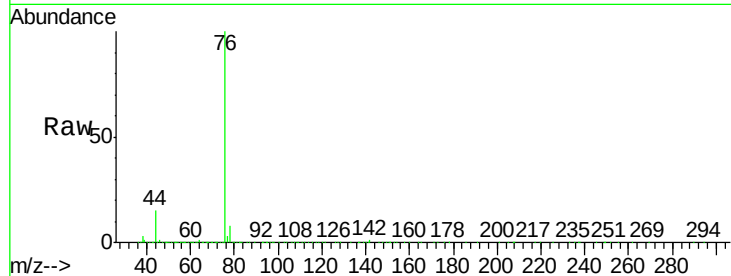
76 100

78 8.4 7.0 10.6

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#18

Methyl Acetate

Concen: 51.695 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007192.D

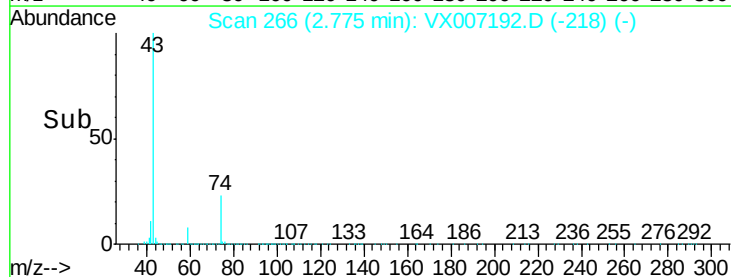
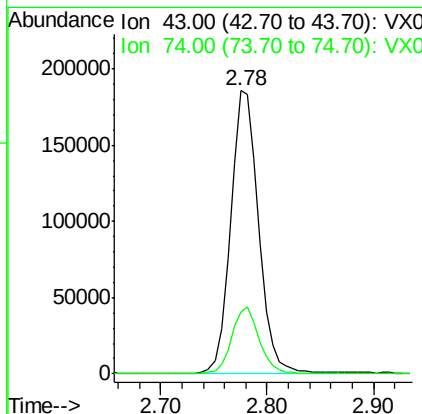
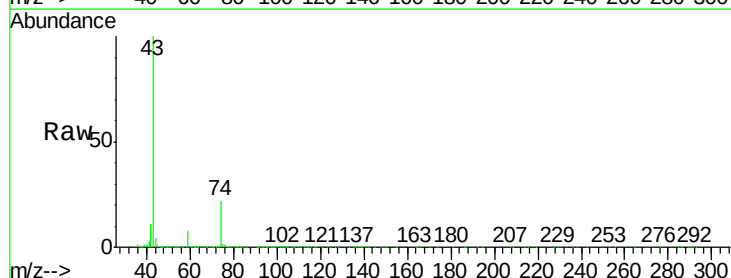
Acq: 22 Jan 2019 19:54

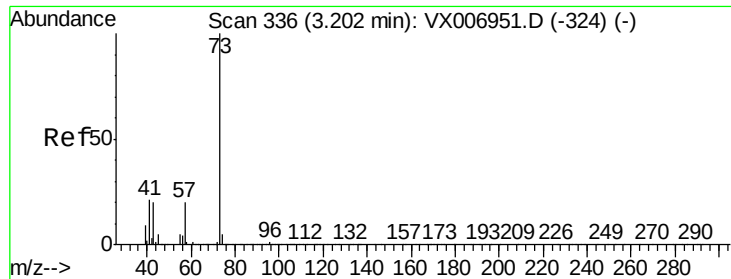
Tgt Ion: 43 Resp: 339835

Ion Ratio Lower Upper

43 100

74 23.5 18.6 28.0





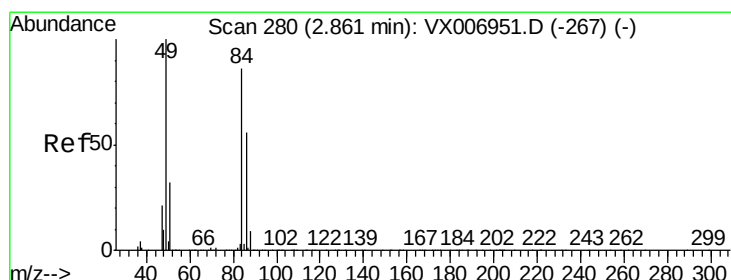
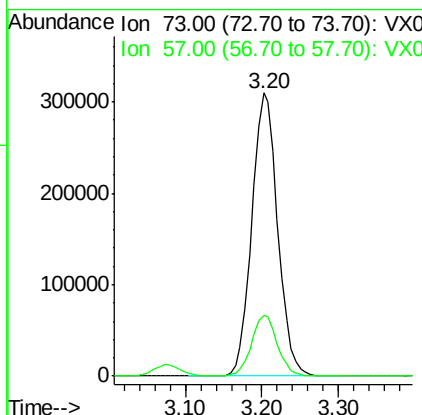
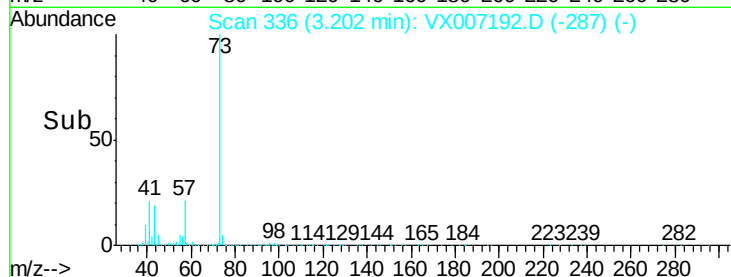
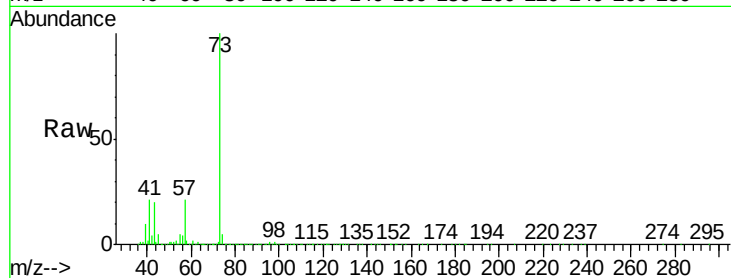
#19
Methyl tert-butyl Ether
Concen: 52.126 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.8	25.2

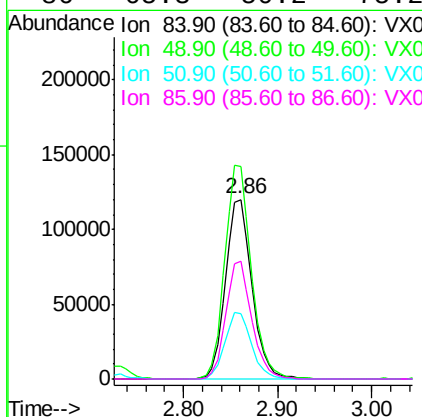
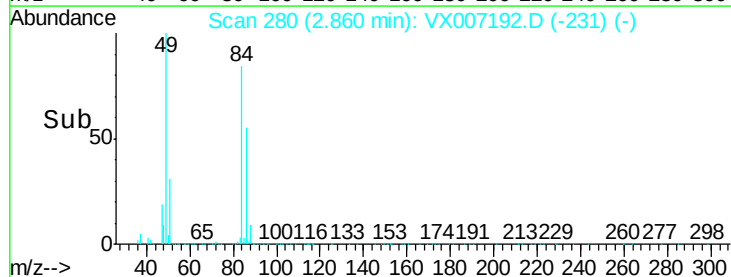
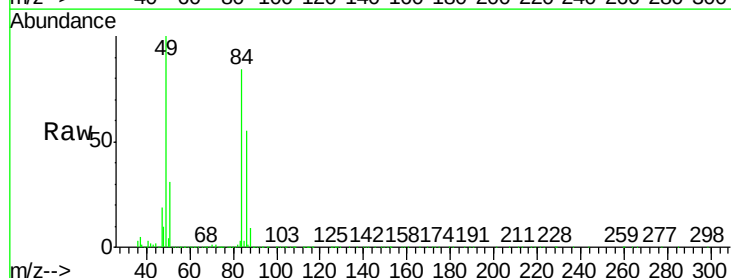
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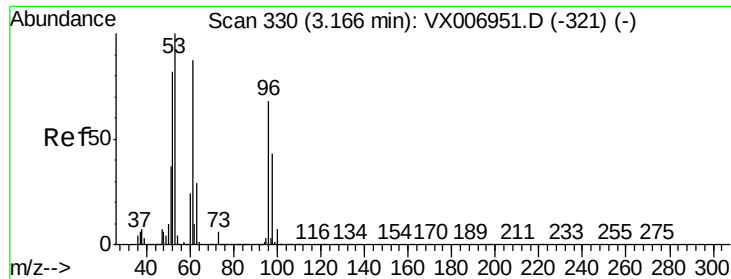
MMDadoda
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#20
Methylene Chloride
Concen: 54.127 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.4	91.8	137.6
51	36.2	28.5	42.7
86	65.3	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 46.774 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

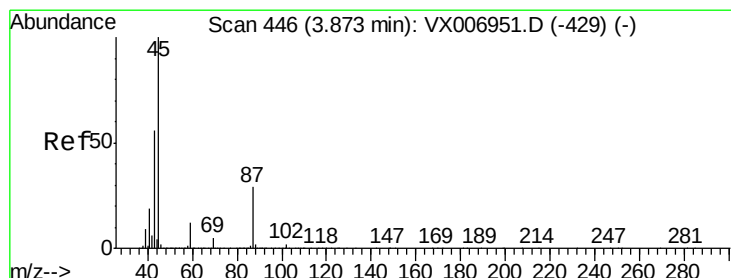
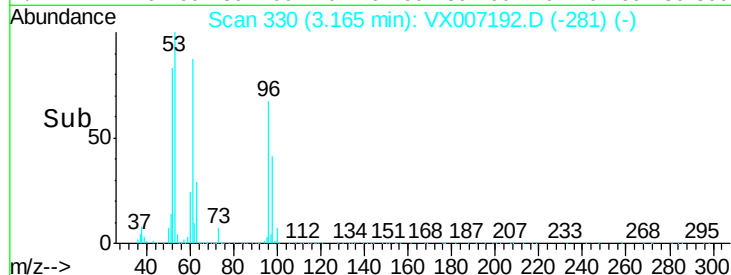
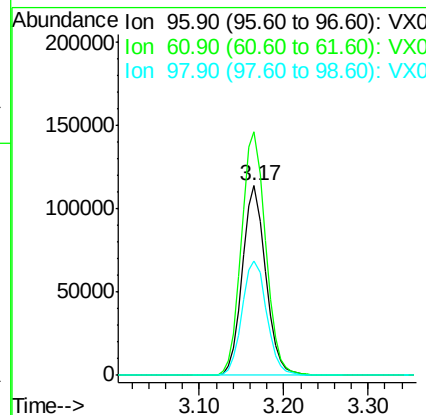
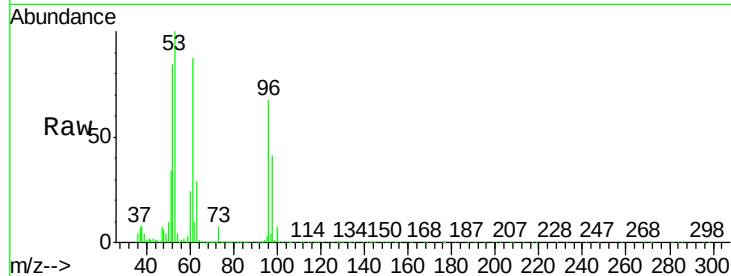
ClientSampleId :

SA-TW524-2327MSD

Tot Ion:	96	Resp:	210488
Ion	Ratio	Lower	Upper
96	100		
61	128.4	103.7	155.5
98	60.5	51.0	76.6

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#22

Diisopropyl ether

Concen: 51.323 ug/l

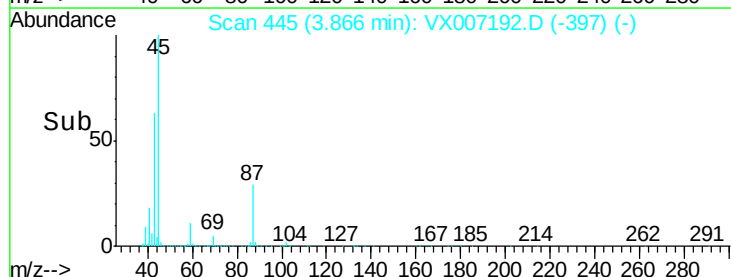
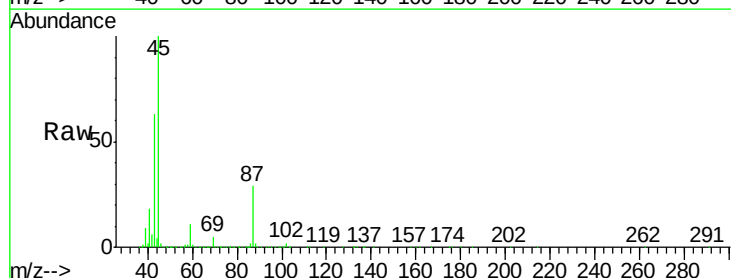
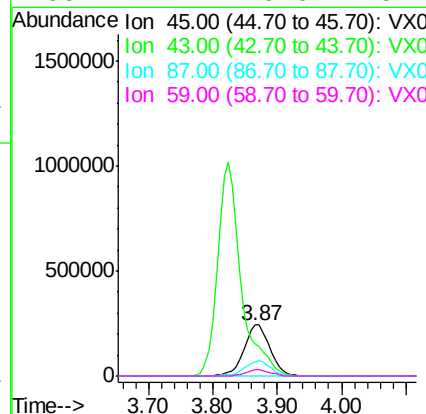
RT: 3.87 min Scan# 446

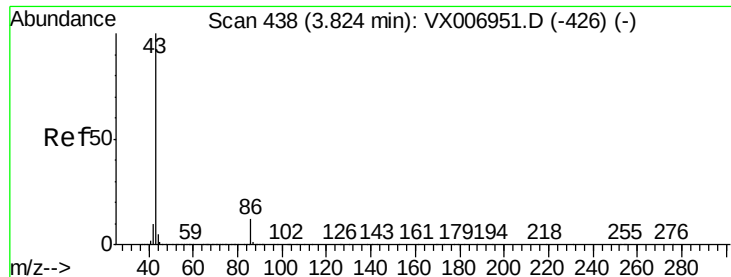
Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion:	45	Resp:	667742
Ion	Ratio	Lower	Upper
45	100		
43	62.4	51.2	76.8
87	28.5	25.8	38.6
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 237.503 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 43 Resp: 2605934

Ion Ratio Lower Upper

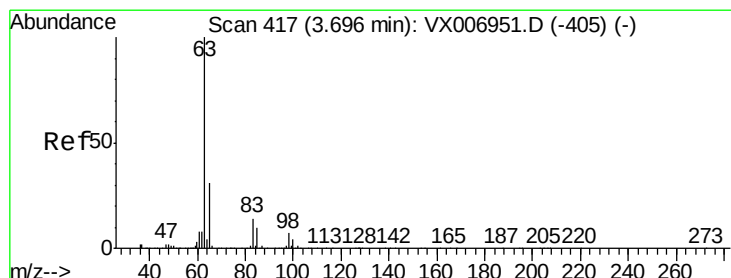
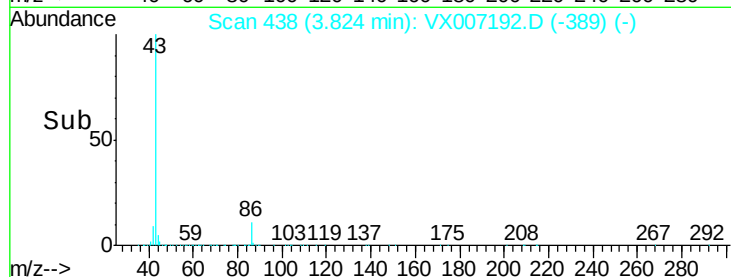
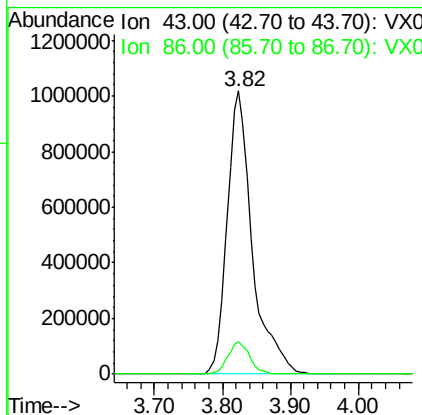
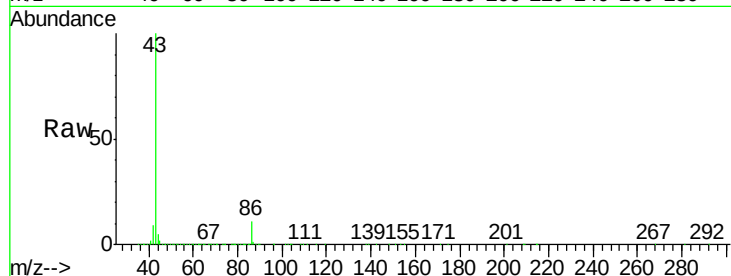
43 100

86 11.3 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 50.079 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

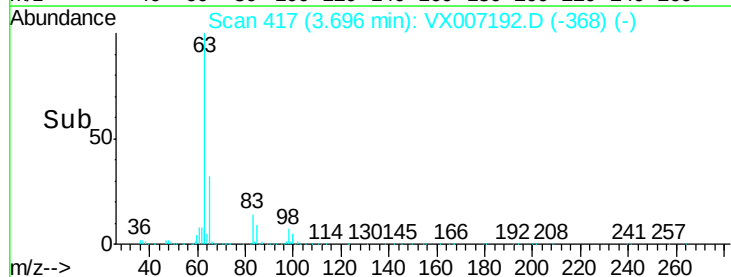
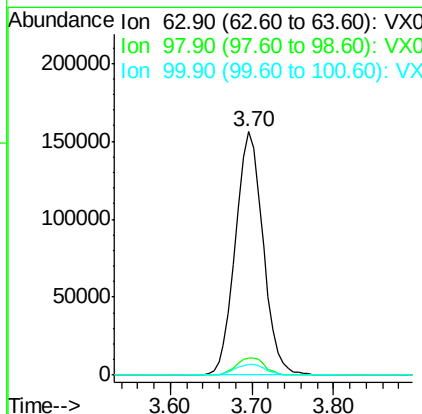
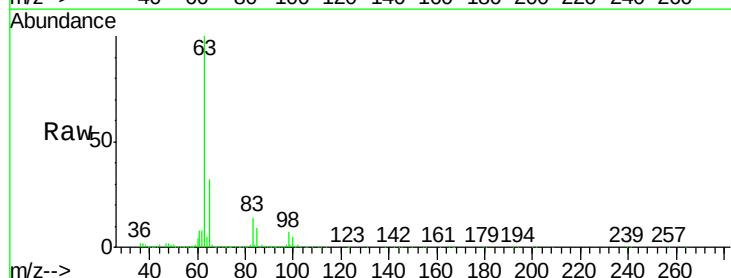
Tgt Ion: 63 Resp: 364332

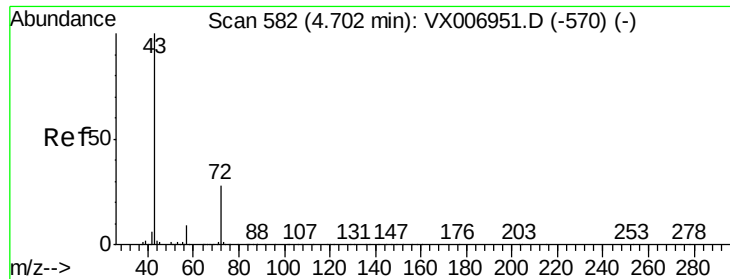
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 262.486 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 43 Resp: 852579

Ion Ratio Lower Upper

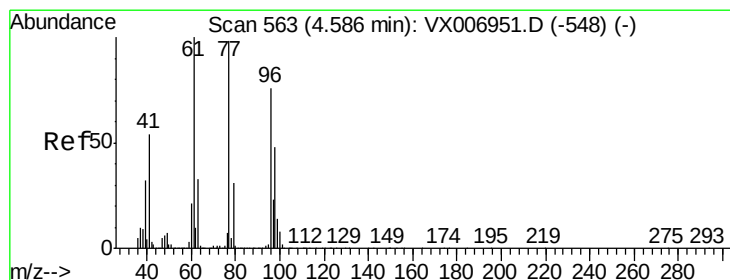
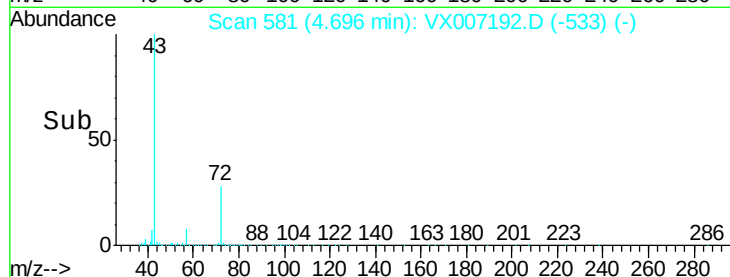
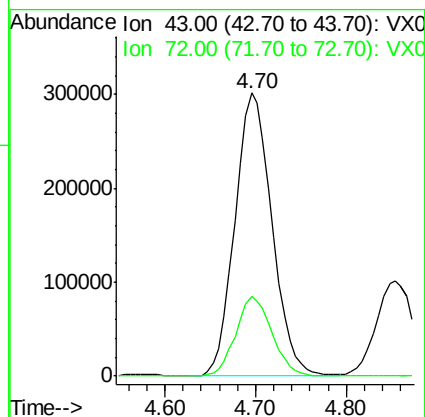
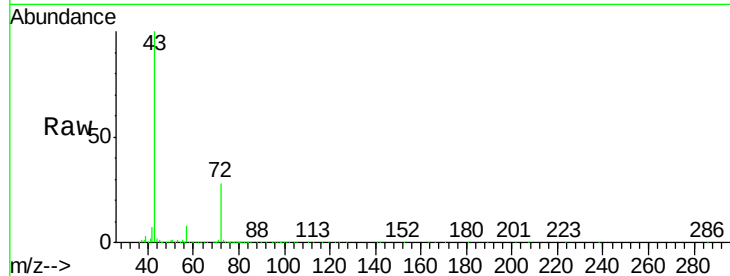
43 100

72 27.9 22.4 33.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 43.578 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007192.D

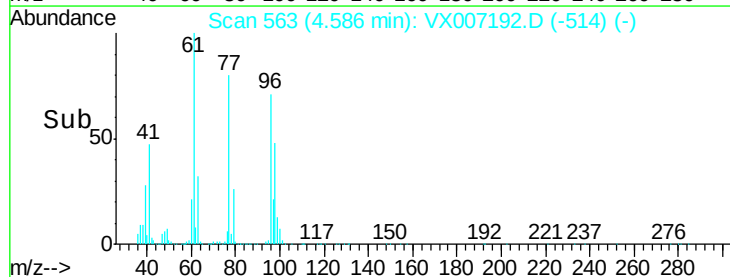
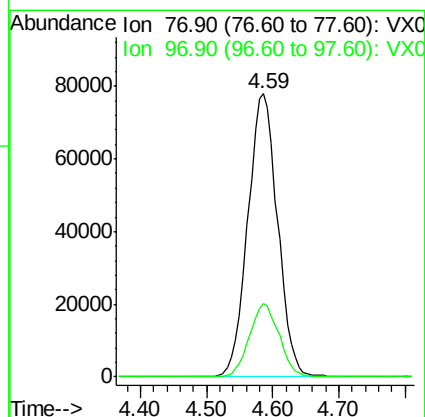
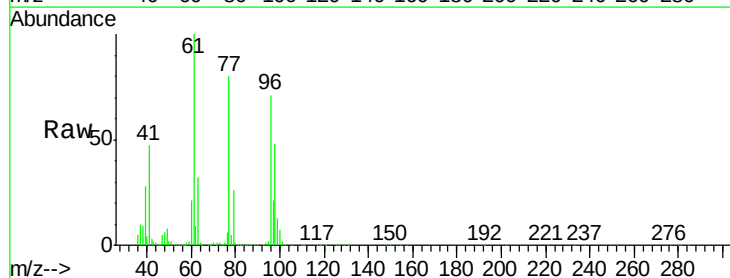
Acq: 22 Jan 2019 19:54

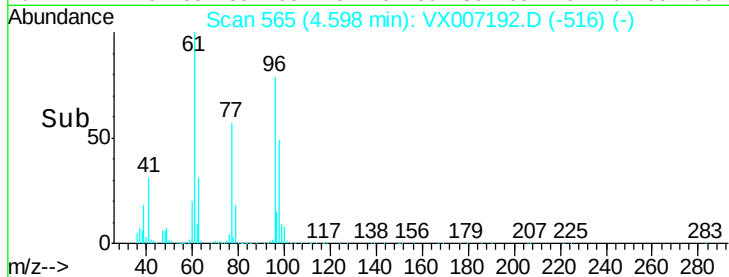
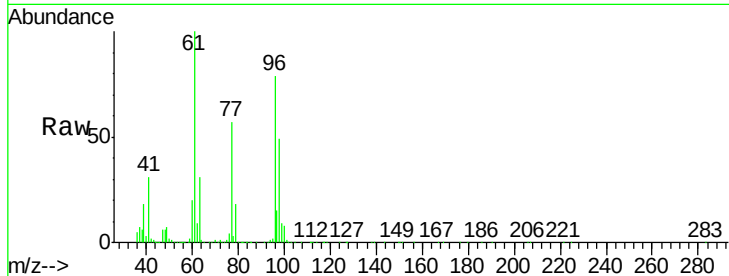
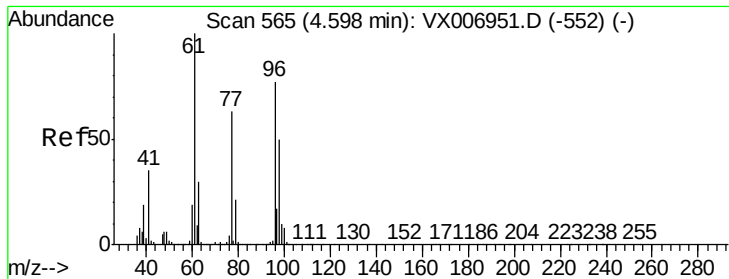
Tgt Ion: 77 Resp: 243787

Ion Ratio Lower Upper

77 100

97 25.9 12.4 37.4





#27

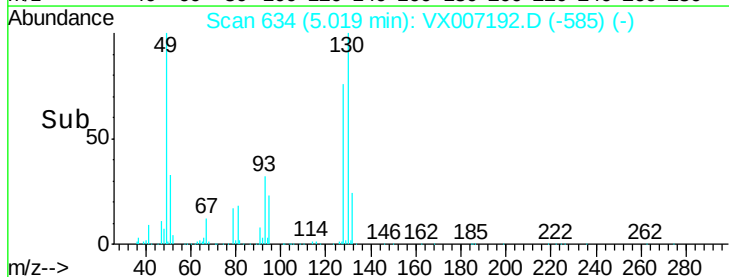
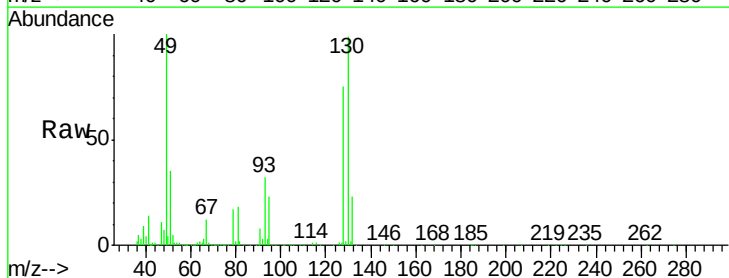
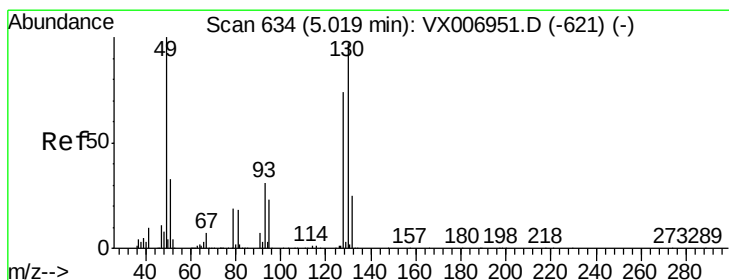
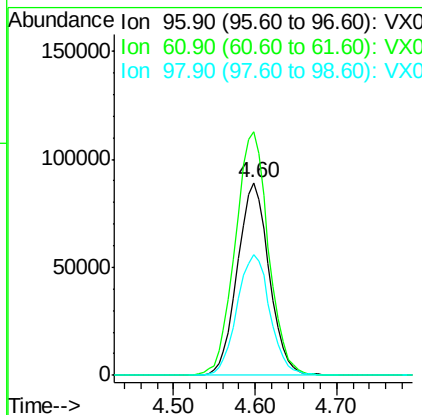
cis-1,2-Dichloroethene
Concen: 48.440 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tot Ion	Ratio	Resp	Lower	Upper
96	100	240440		
61	132.9	0.0	258.6	
98	65.2	0.0	132.0	

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Manual Integrations
APPROVED

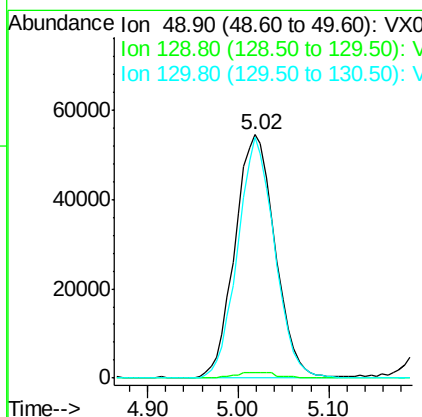
MMDadoda
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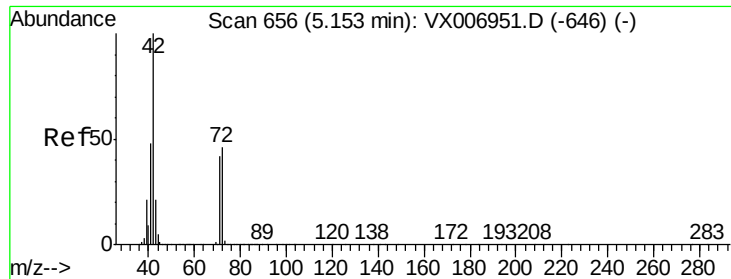


#28

Bromochloromethane
Concen: 52.499 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167339		
129	2.5	0.0	5.4	
130	91.4	77.7	116.5	





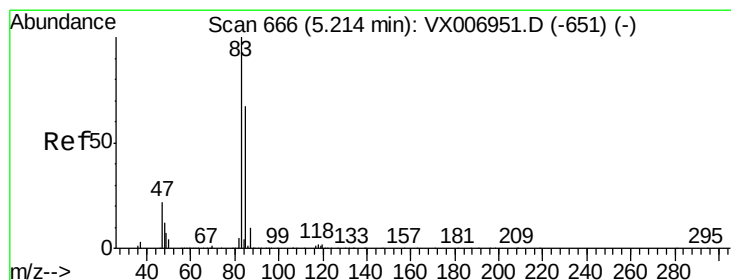
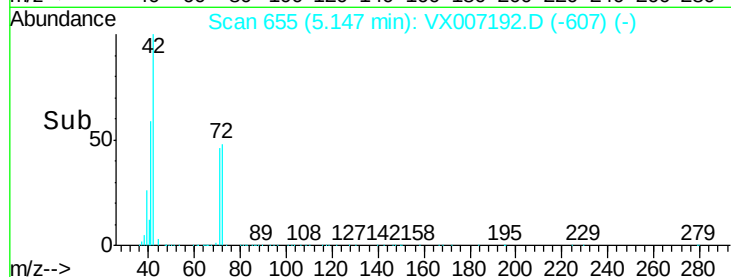
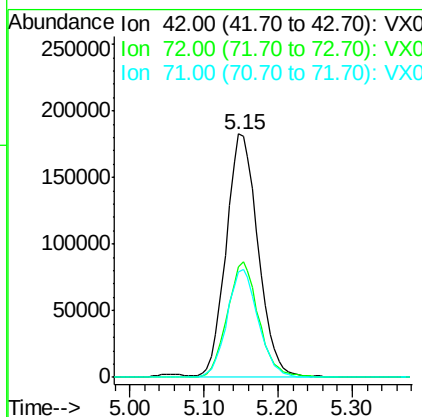
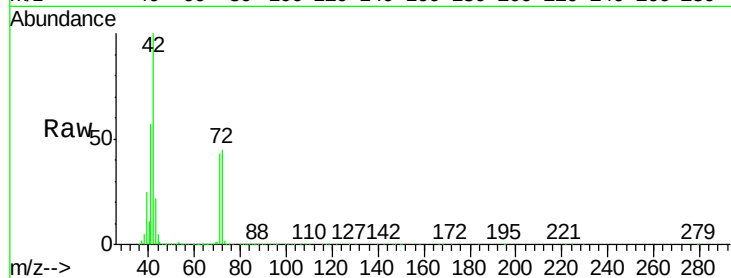
#29
Tetrahydrofuran
Concen: 258.333 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Resp	Lower	Upper
42	100	545306		
72	46.7		38.9	58.3
71	43.9		36.2	54.4

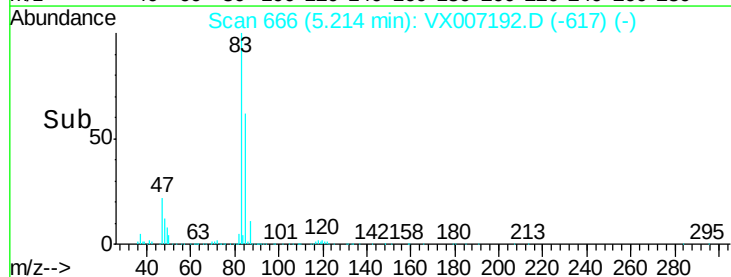
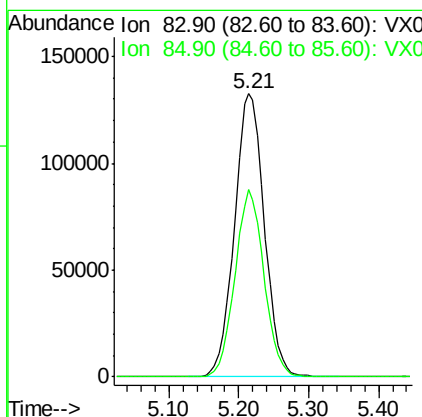
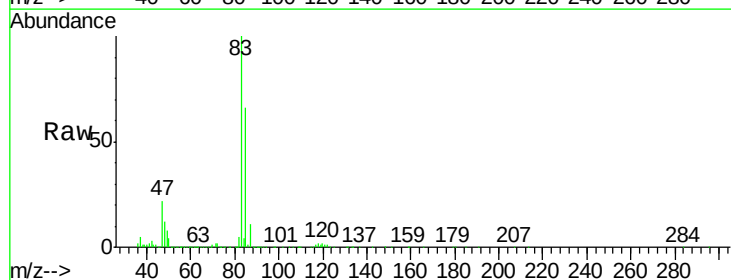
Manual Integrations
APPROVED

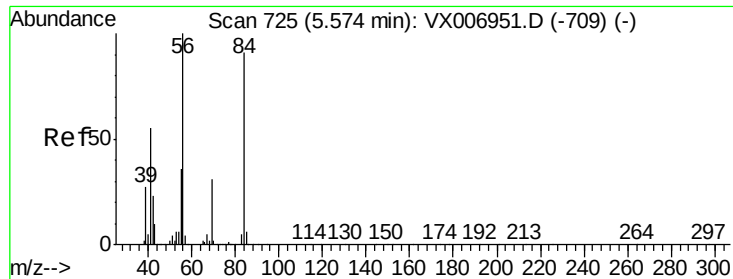
MMDadoda
1/23/2019 11:29:41 AM



#30
Chloroform
Concen: 51.478 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	392111		
85	66.3		51.2	76.8





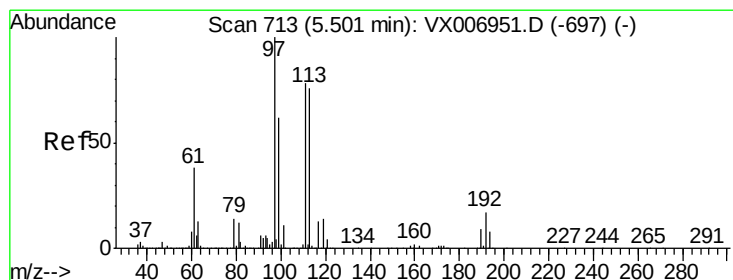
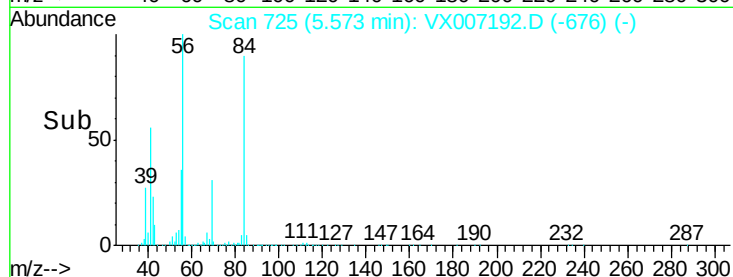
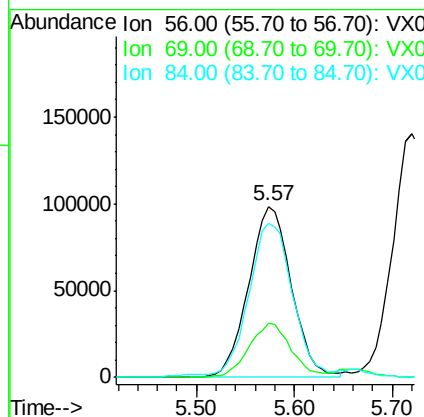
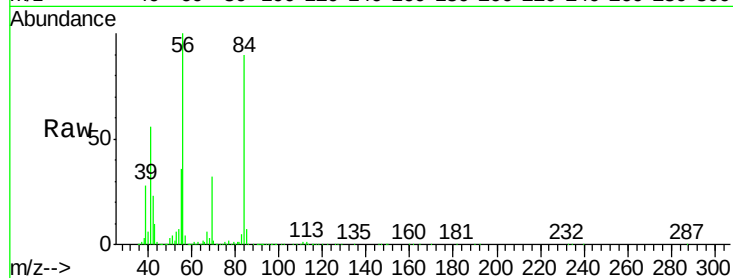
#31
Cyclohexane
Concen: 46.238 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.4	36.6
84	87.9	70.0	105.0

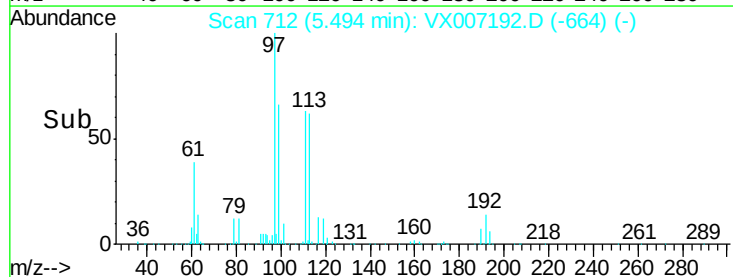
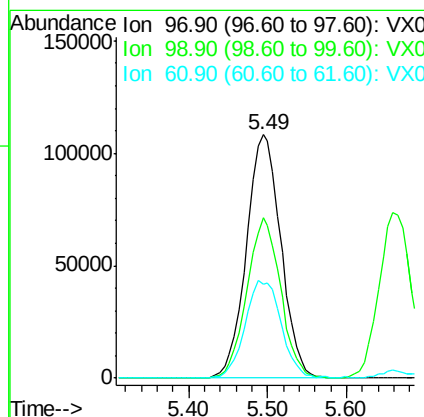
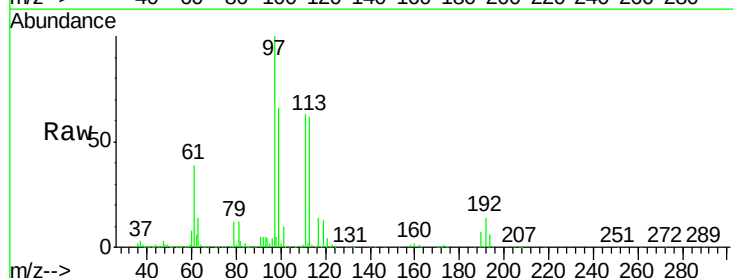
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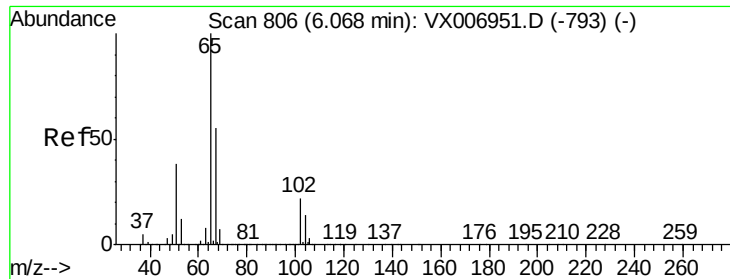
MMDadoda
1/23/2019 11:29:41 AM



#32
1,1,1-Trichloroethane
Concen: 50.931 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	41.9	31.3	46.9





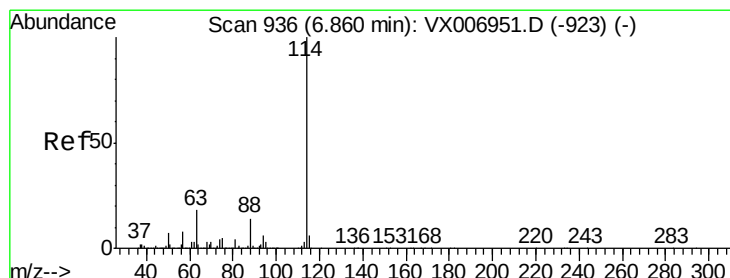
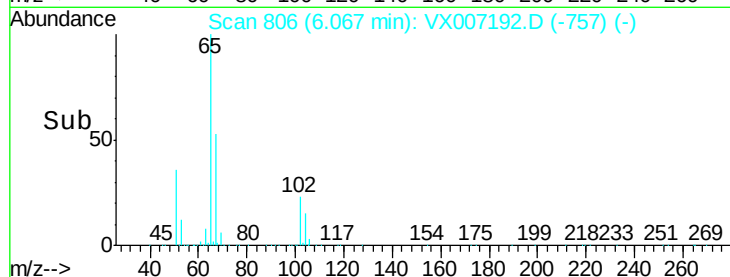
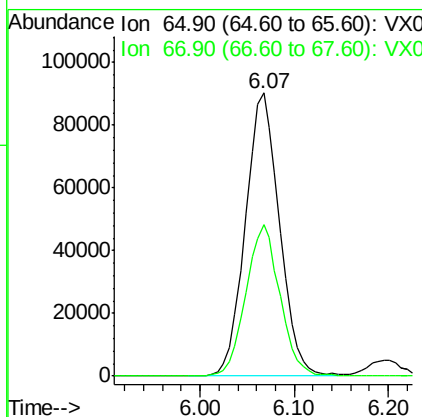
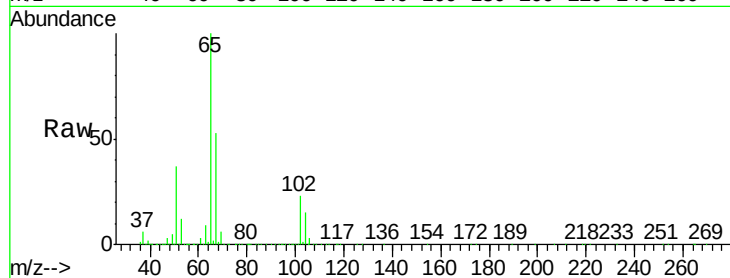
#33
 1,2-Dichloroethane-d4
 Concen: 50.035 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	229751		
67	53.4	0.0	105.0	

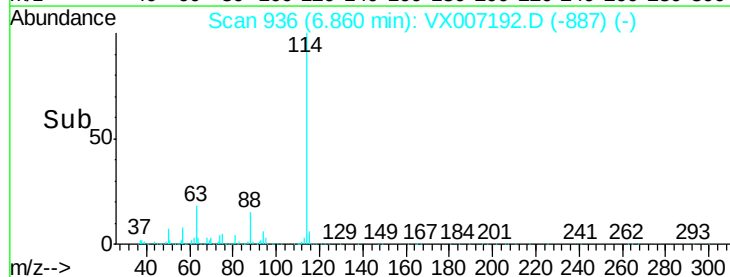
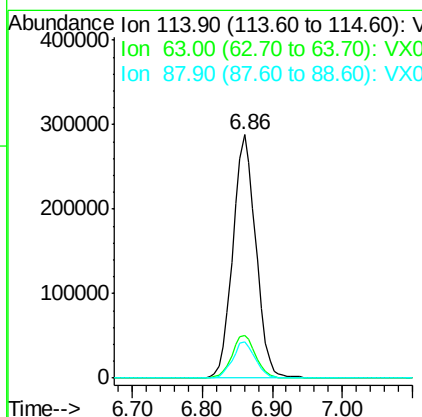
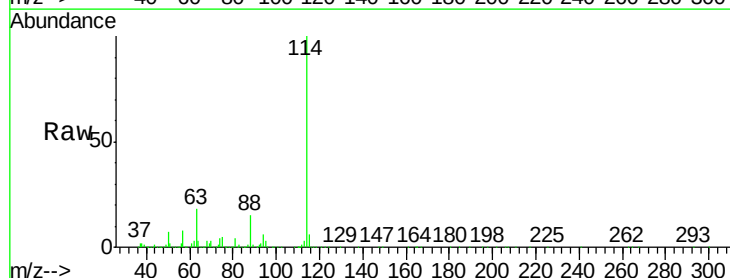
Manual Integrations
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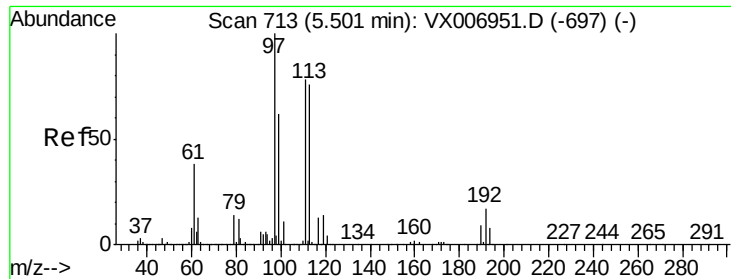
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	657435		
63	17.7	0.0	34.8	
88	14.7	0.0	28.8	





#35

Dibromofluoromethane

Concen: 49.765 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

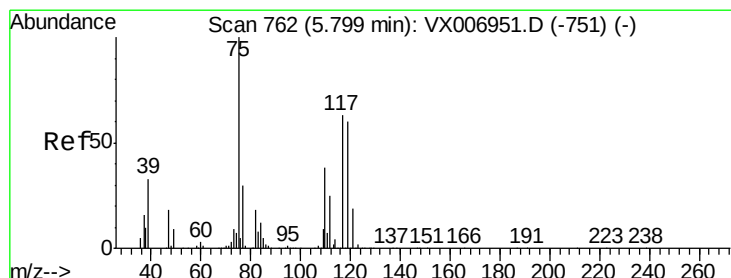
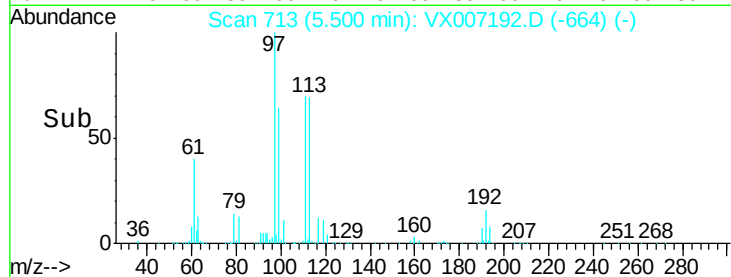
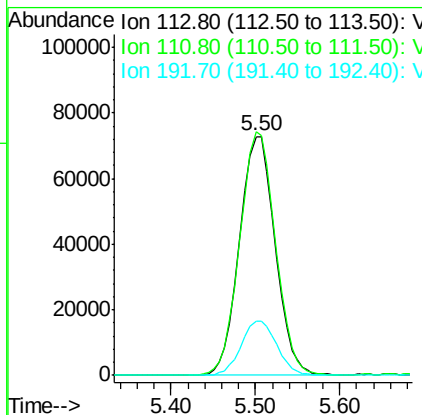
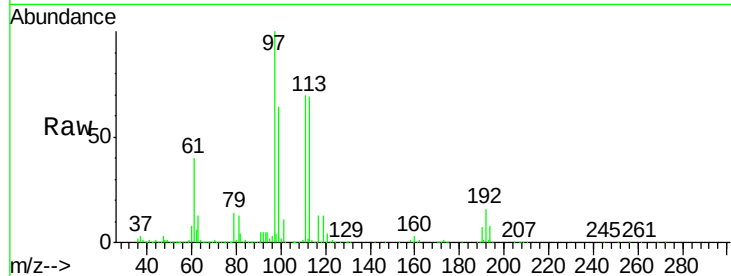
ClientSampleId :

SA-TW524-2327MSD

Tot Ion:	113	Resp:	209520
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.6	122.4
192	22.7	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.231 ug/l

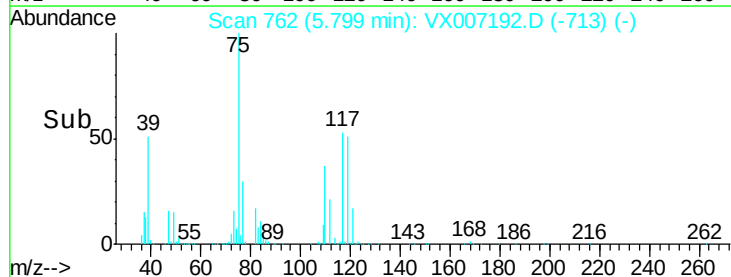
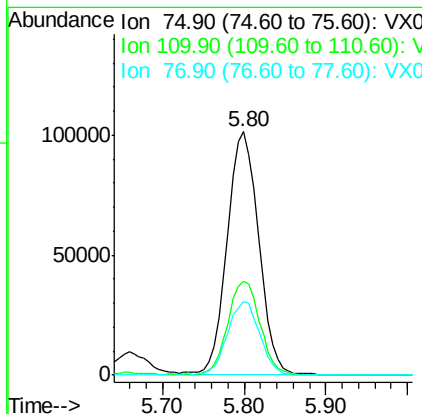
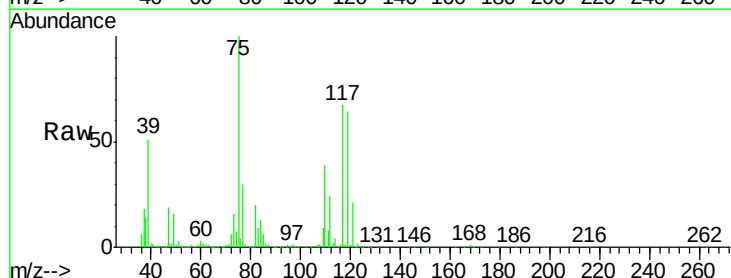
RT: 5.80 min Scan# 762

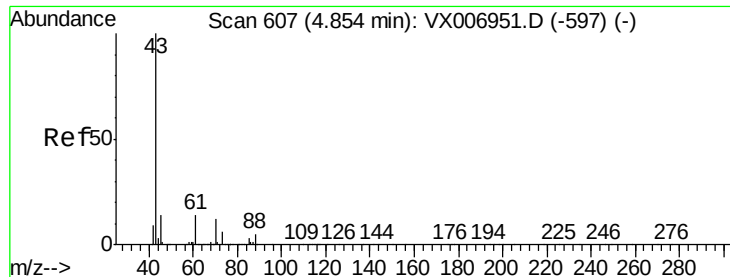
Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion:	75	Resp:	269966
Ion Ratio	Lower	Upper	
75	100		
110	39.9	20.2	60.5
77	30.8	24.8	37.2





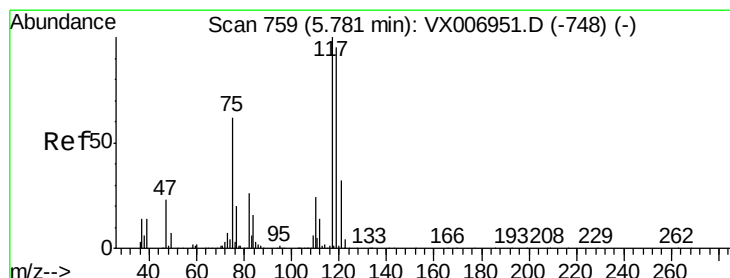
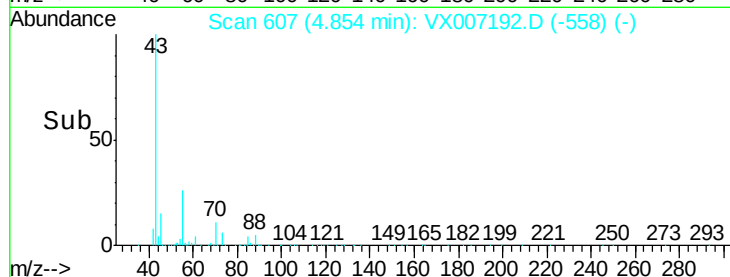
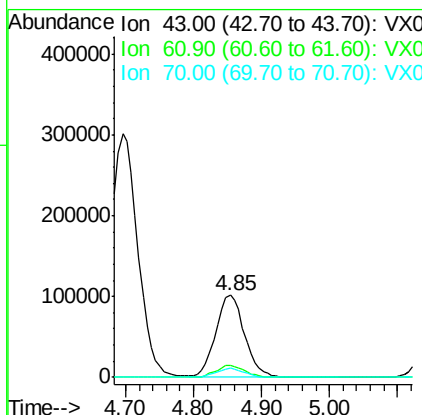
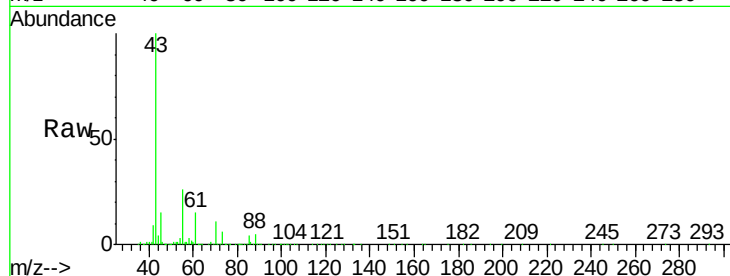
#37
Ethyl Acetate
Concen: 48.742 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	43	Resp	298689
Ion Ratio	Lower	Upper	
43	100		
61	14.2	11.9	17.9
70	10.7	9.7	14.5

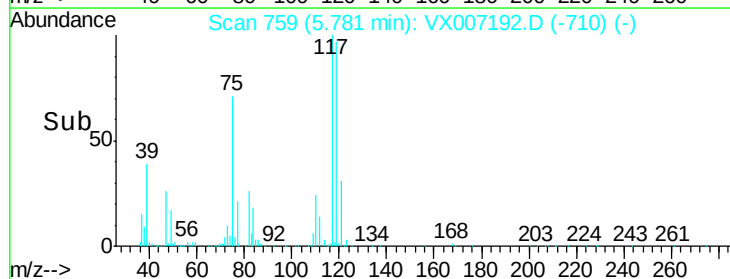
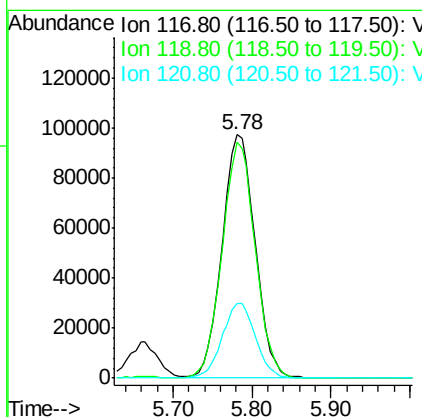
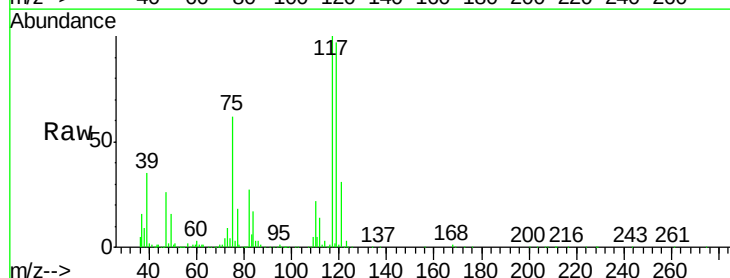
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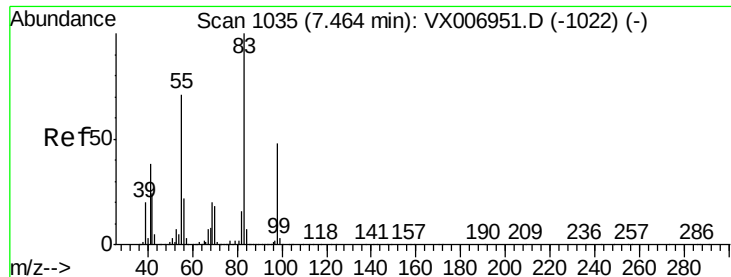
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#38
Carbon Tetrachloride
Concen: 49.417 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	117	Resp	284188
Ion Ratio	Lower	Upper	
117	100		
119	96.9	79.4	119.2
121	30.8	24.0	36.0





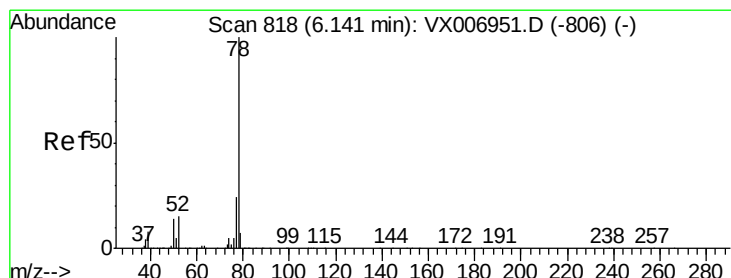
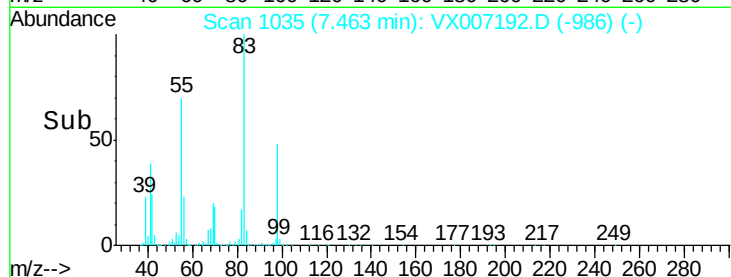
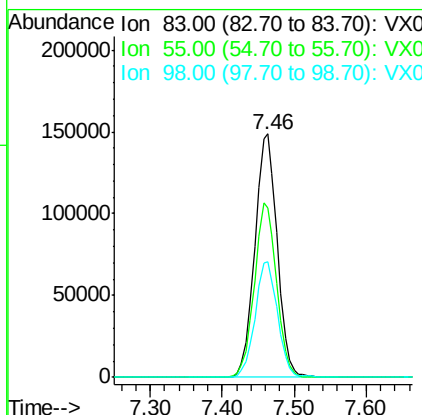
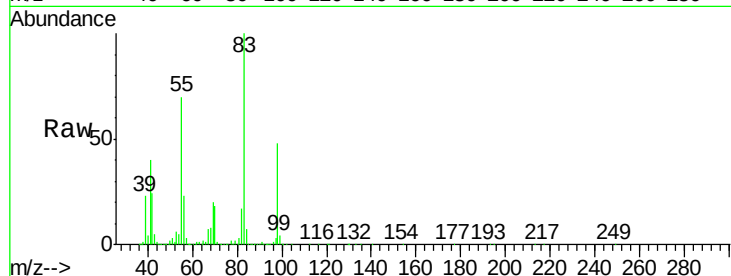
#39
Methylvlcyclohexane
Concen: 44.127 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	54.9	82.3
98	47.6	37.9	56.9

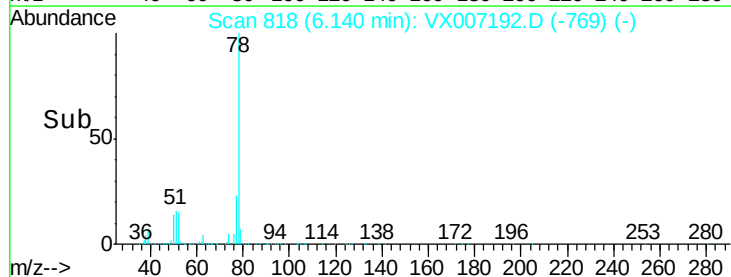
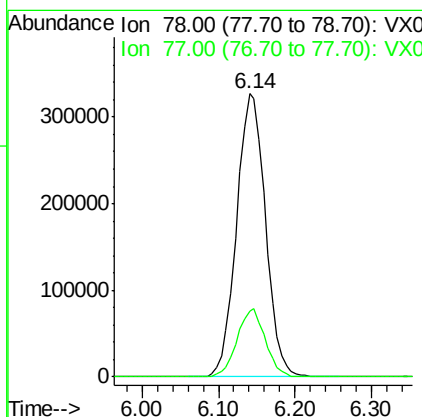
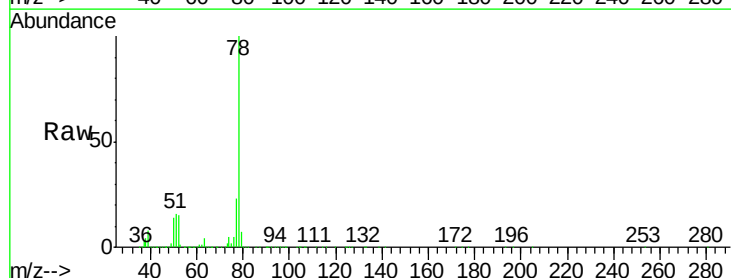
Manual Integrations
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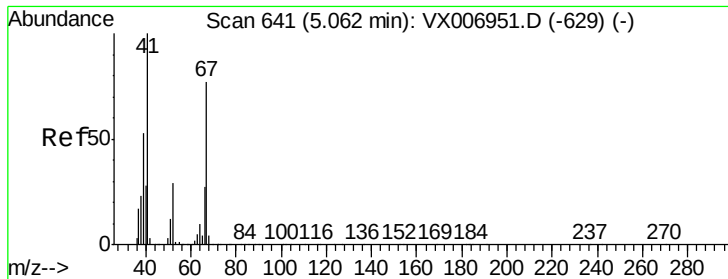
MMDadoda
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#40
Benzene
Concen: 49.110 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





#41

Methacrylonitrile

Concen: 49.817 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

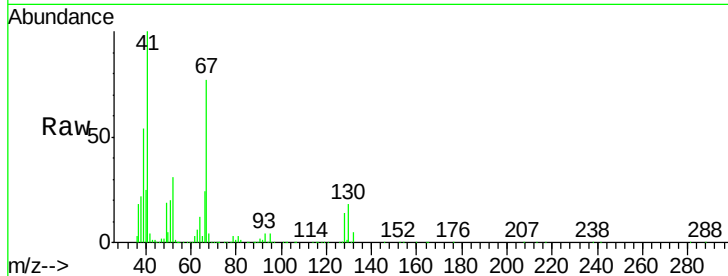
ClientSampleId :

SA-TW524-2327MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	42.8	64.2	
67	77.2	62.1	93.1	
52	30.3	23.4	35.0	

Manual Integrations
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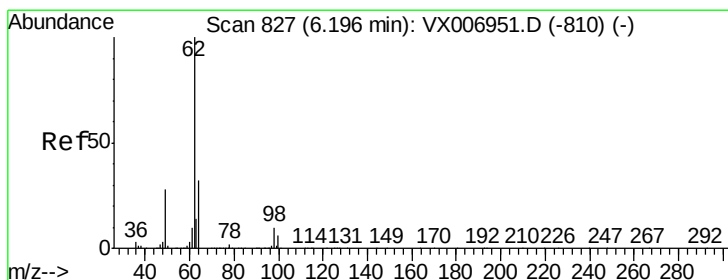
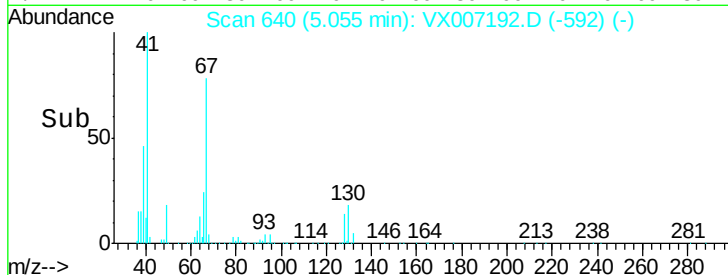
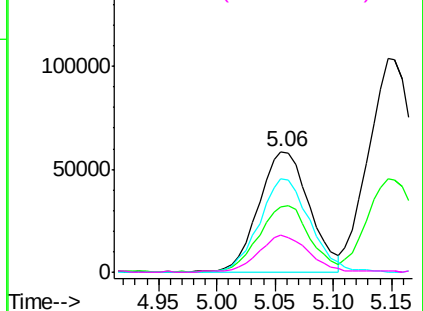


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.425 ug/l

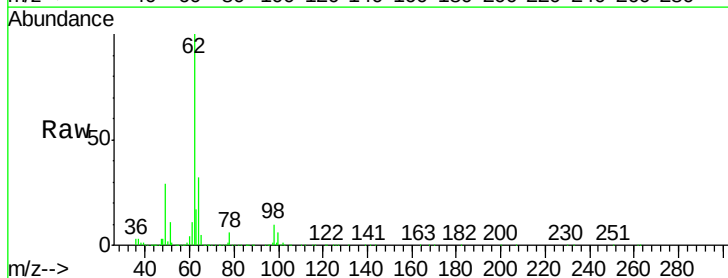
RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007192.D

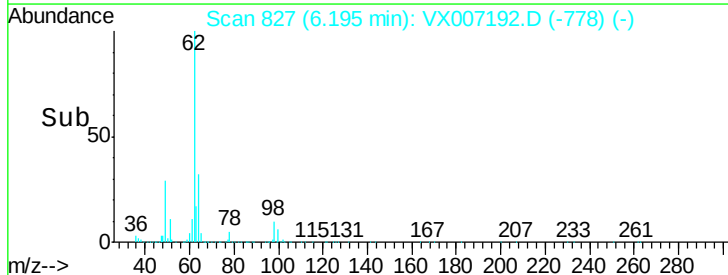
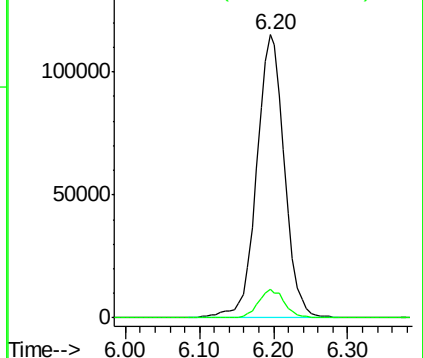
Acq: 22 Jan 2019 19:54

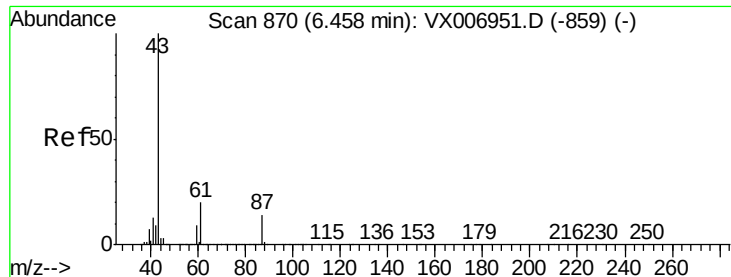
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.2	



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.638 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

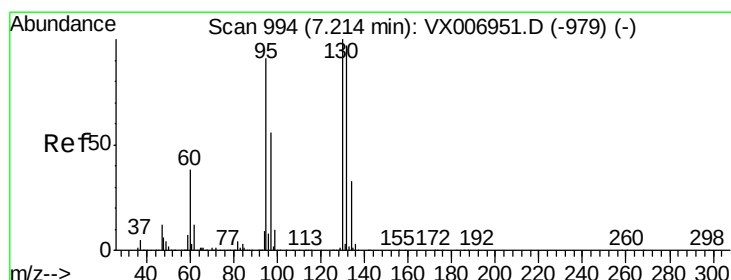
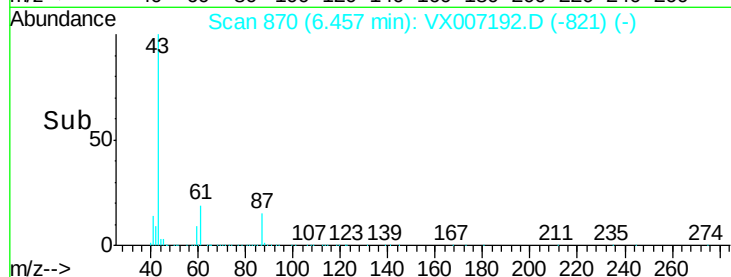
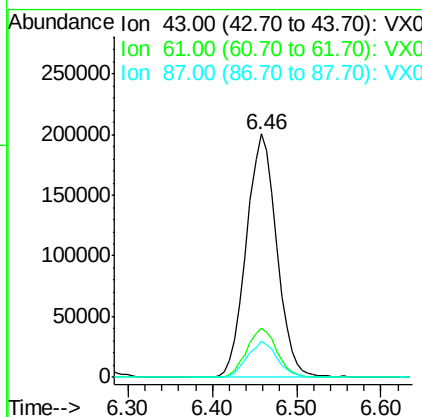
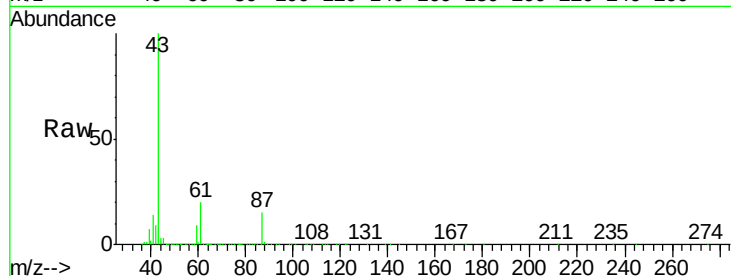
ClientSampleId :

SA-TW524-2327MSD

Tot Ion:	43	Resp:	489460
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.8	25.2
87	14.6	12.4	18.6

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#44

Trichloroethene

Concen: 47.422 ug/l

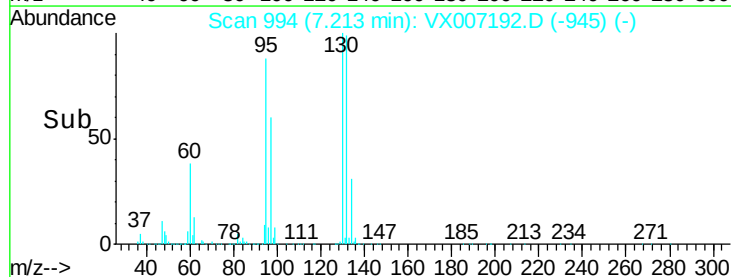
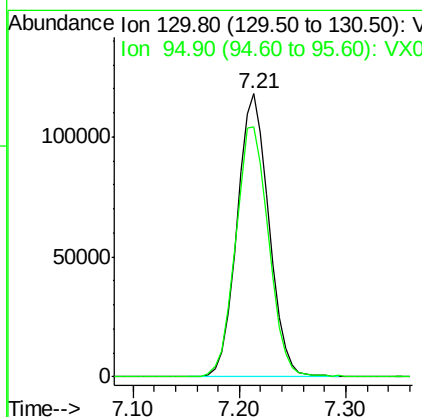
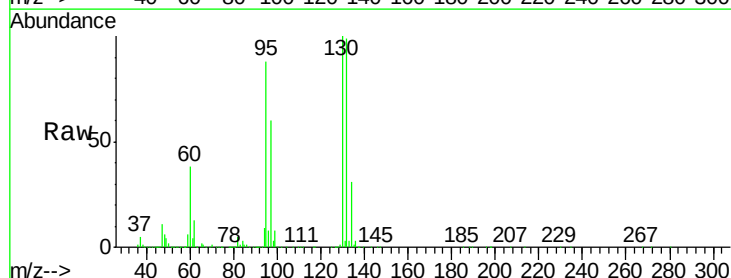
RT: 7.21 min Scan# 994

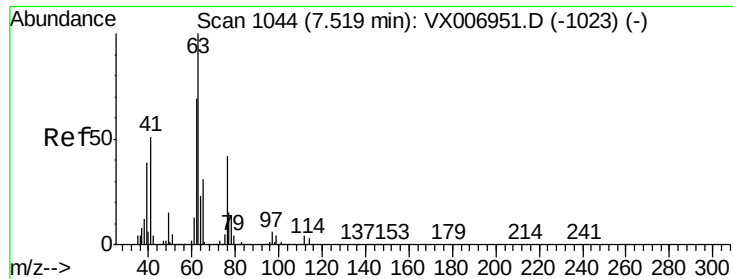
Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion:	130	Resp:	247844
Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	187.0





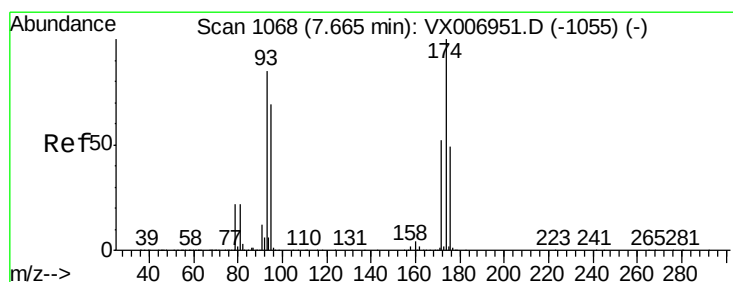
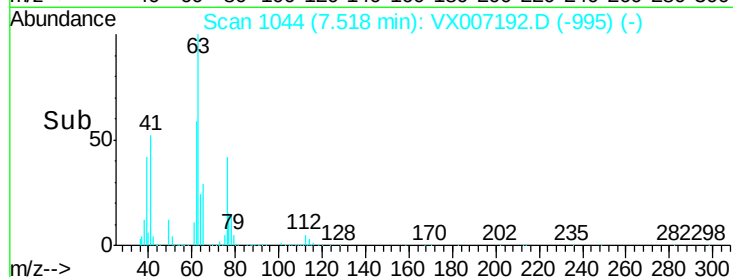
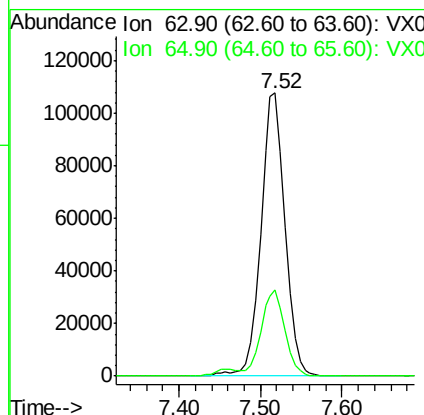
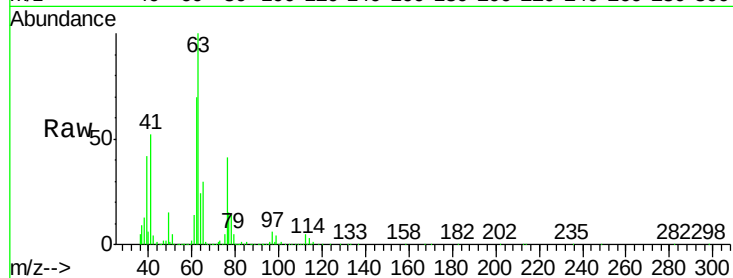
#45
 1,2-Dichloropropane
 Concen: 50.531 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.4	38.0

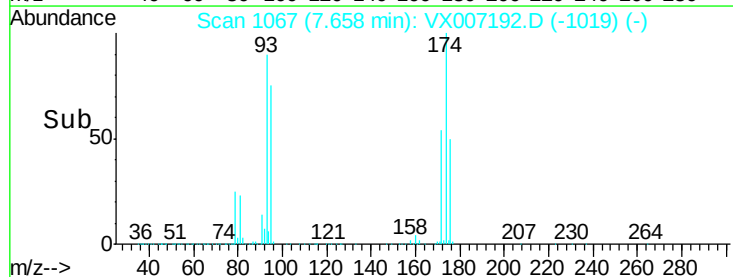
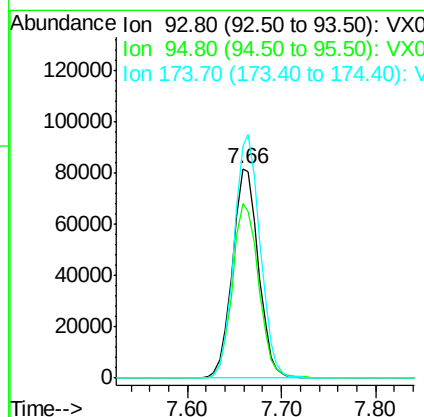
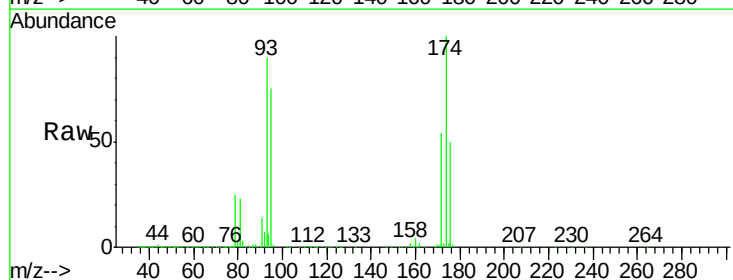
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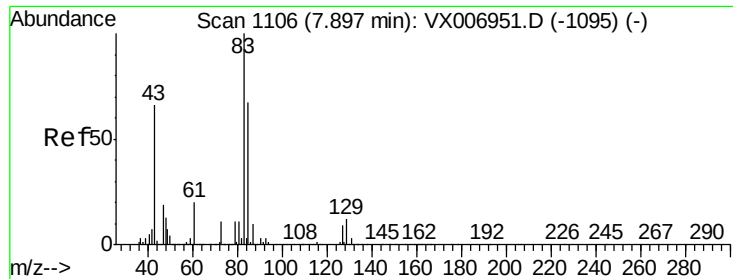
MMDadoda
 1/23/2019 11:29:41 AM



#46
 Dibromomethane
 Concen: 51.112 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.2	99.4
174	115.7	91.0	136.4





#47

Bromodichloromethane

Concen: 54.116 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

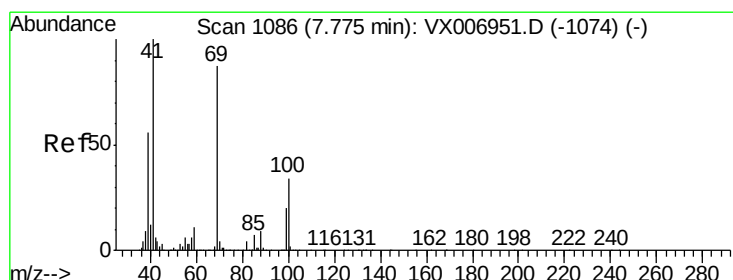
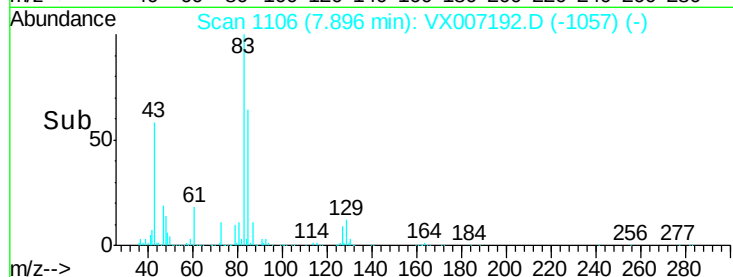
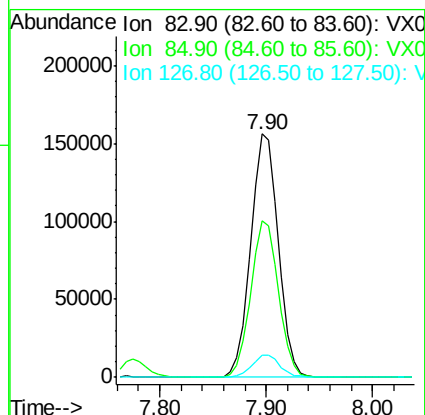
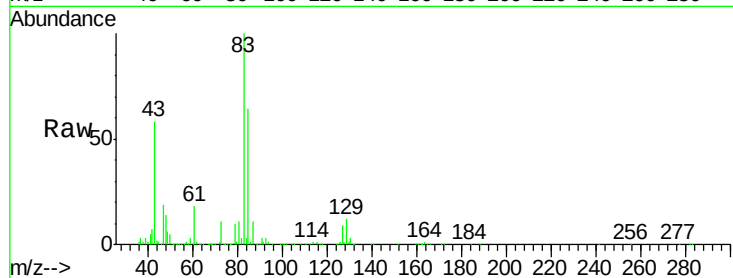
ClientSampleId :

SA-TW524-2327MSD

Tot Ion:	83	Resp:	283854
Ion Ratio	Lower	Upper	
83	100		
85	64.4	53.2	79.8
127	9.1	7.8	11.6

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#48

Methyl methacrylate

Concen: 52.285 ug/l

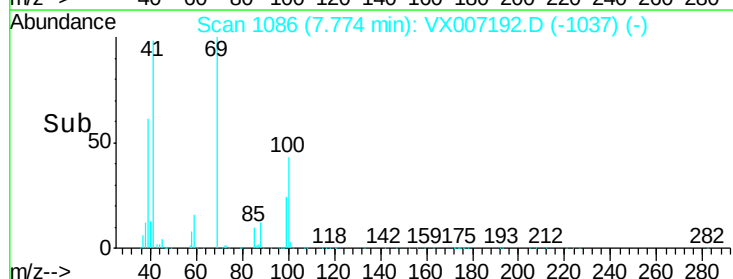
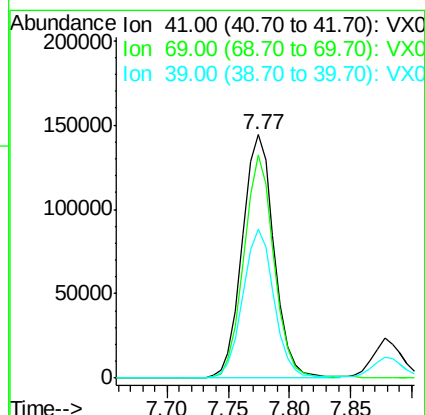
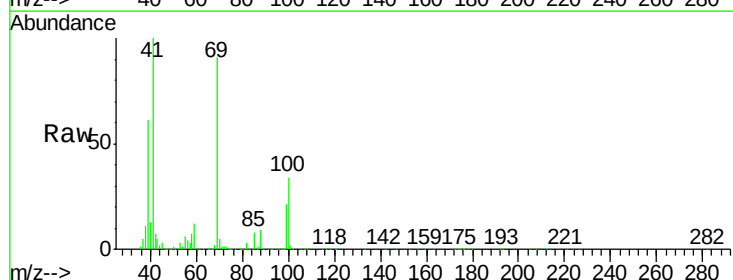
RT: 7.77 min Scan# 1086

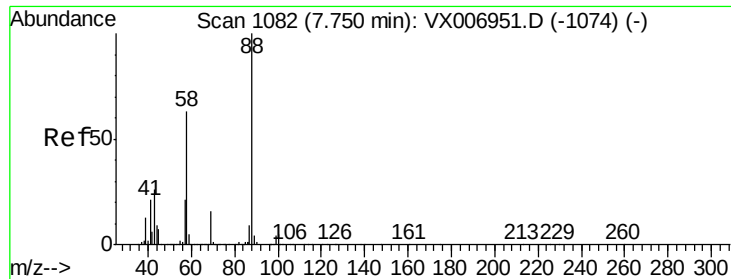
Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion:	41	Resp:	259533
Ion Ratio	Lower	Upper	
41	100		
69	87.1	72.4	108.6
39	60.2	45.8	68.8





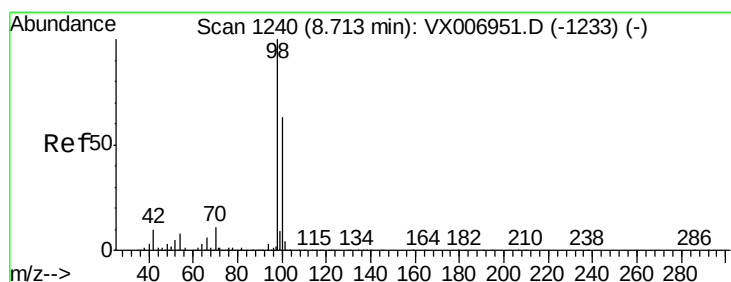
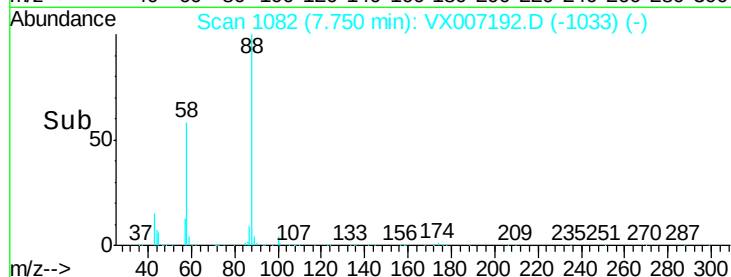
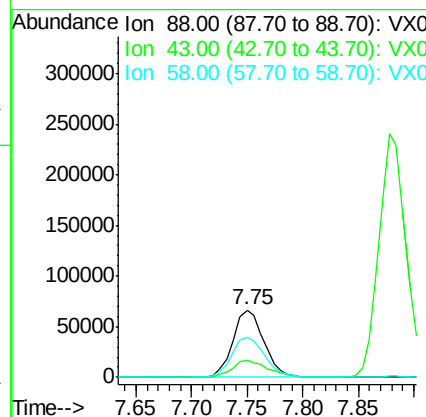
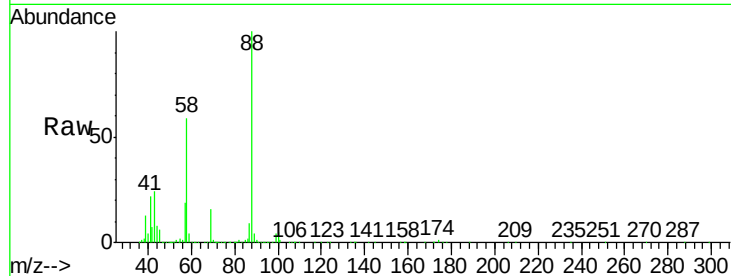
#49
1,4-Dioxane
Concen: 1127.286 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	22.2	33.4
58	63.9	51.0	76.4

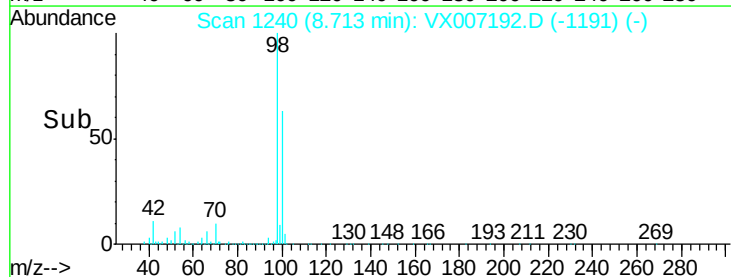
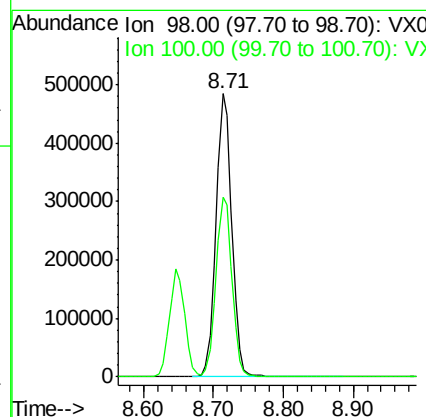
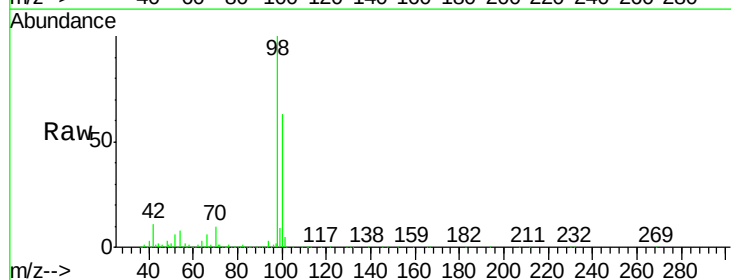
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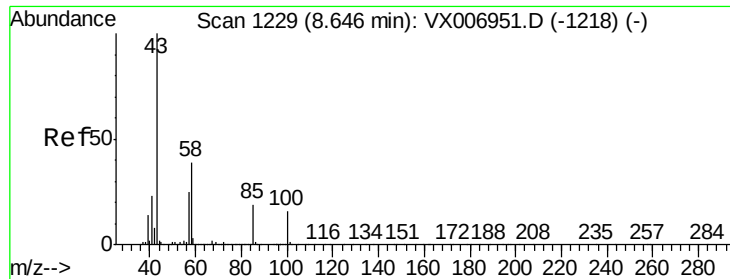
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#50
Toluene-d8
Concen: 49.188 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 278.725 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 43 Resp: 1731420

Ion Ratio Lower Upper

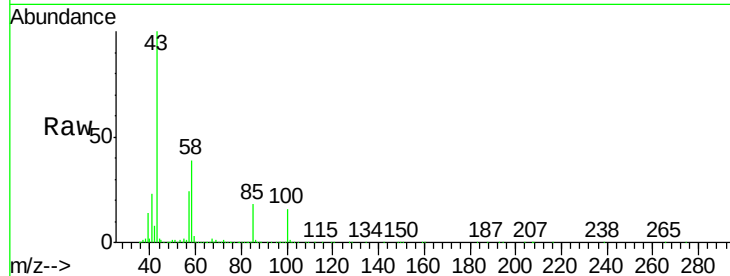
43 100

58 39.2 31.8 47.6

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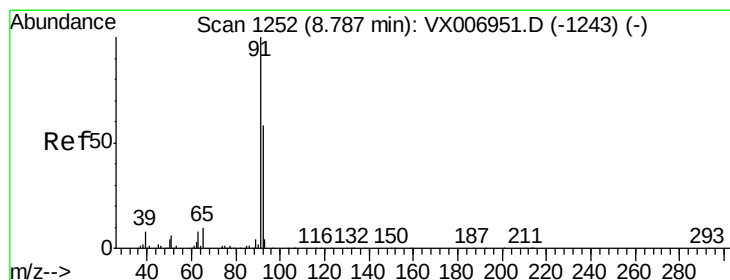
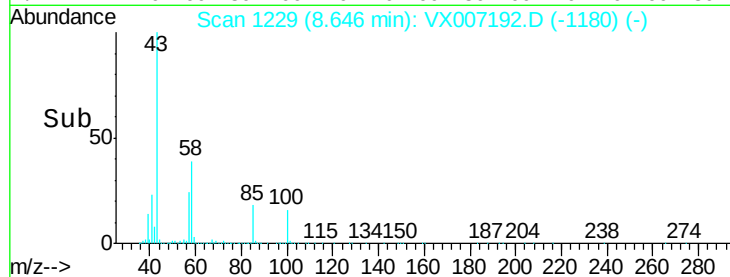
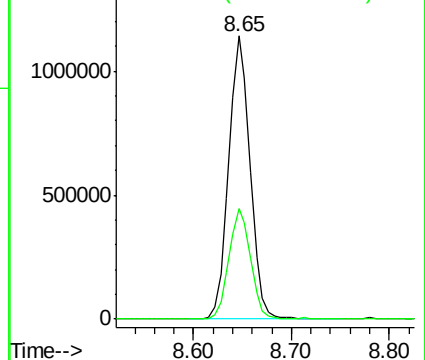
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.244 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007192.D

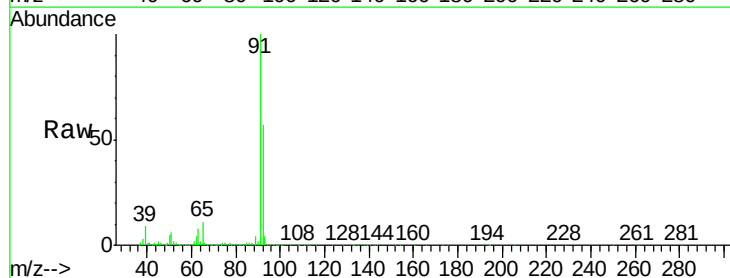
Acq: 22 Jan 2019 19:54

Tgt Ion: 92 Resp: 563221

Ion Ratio Lower Upper

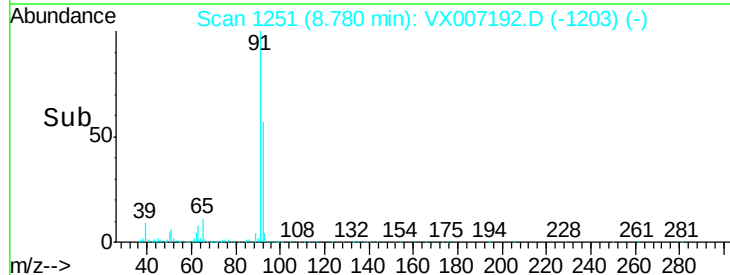
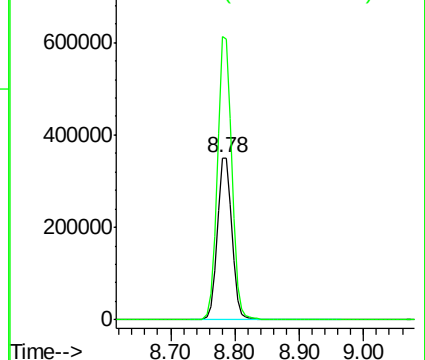
92 100

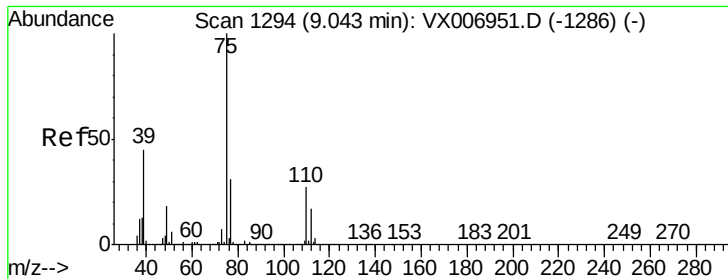
91 172.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 52.334 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 75 Resp: 304394

Ion Ratio Lower Upper

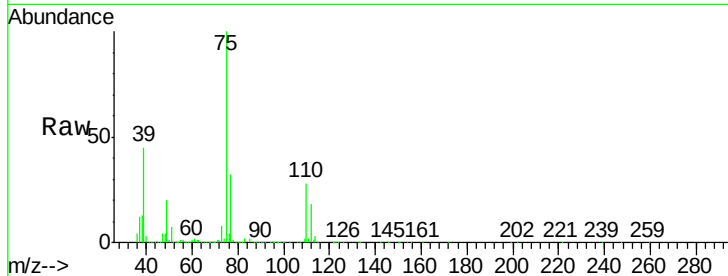
75 100

77 32.4 25.4 38.0

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

250000

200000

150000

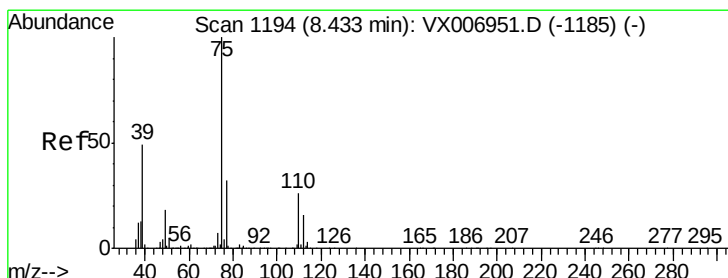
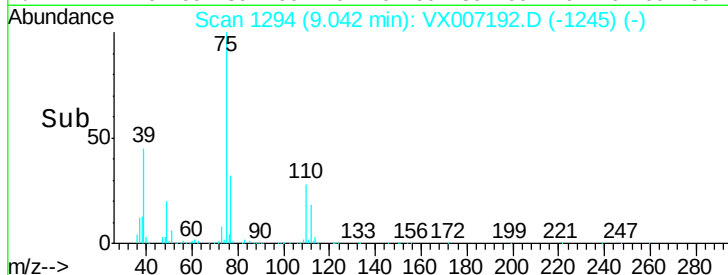
100000

50000

0

8.95 9.00 9.05 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.586 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

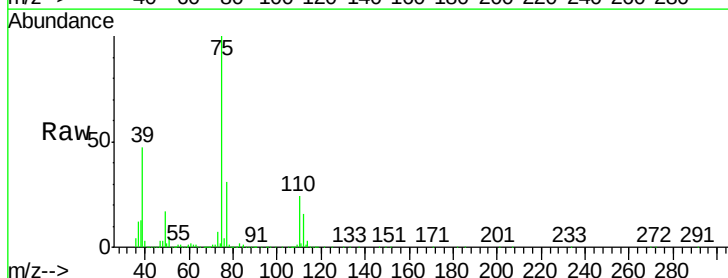
Tgt Ion: 75 Resp: 331349

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2

39 46.5 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

250000

200000

150000

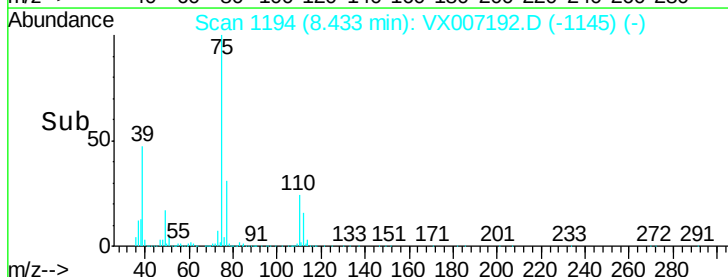
100000

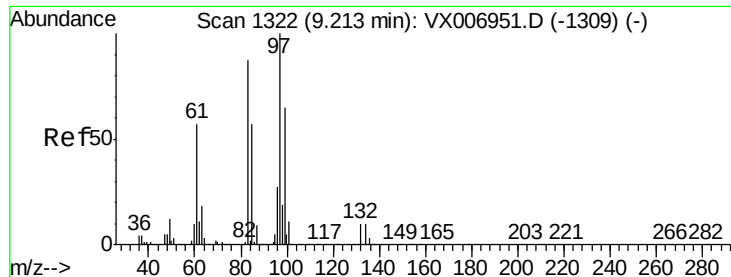
50000

0

8.30 8.40 8.50

Time-->





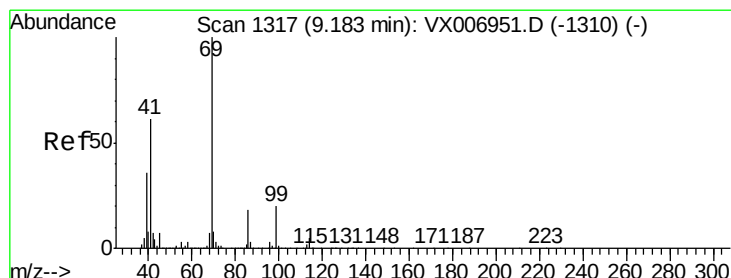
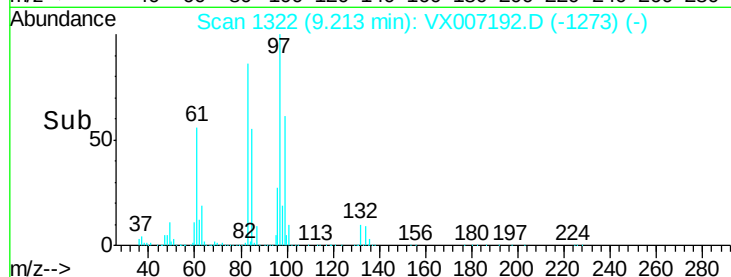
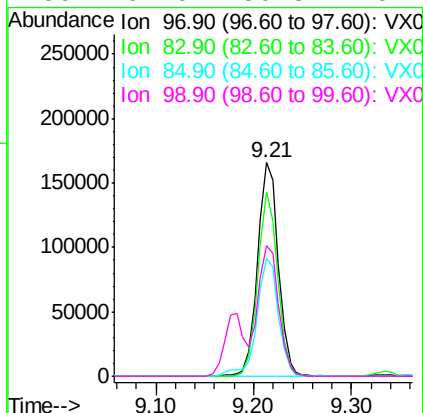
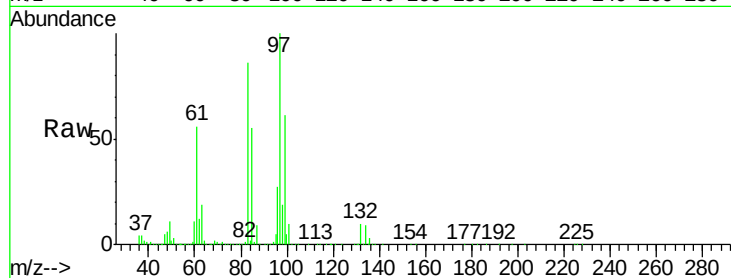
#55
 1,1,2-Trichloroethane
 Concen: 54.401 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Tot Ion:	97	Resp:	244090
Ion	Ratio	Lower	Upper
97	100		
83	86.5	66.6	99.8
85	54.9	42.7	64.1
99	61.0	50.8	76.2

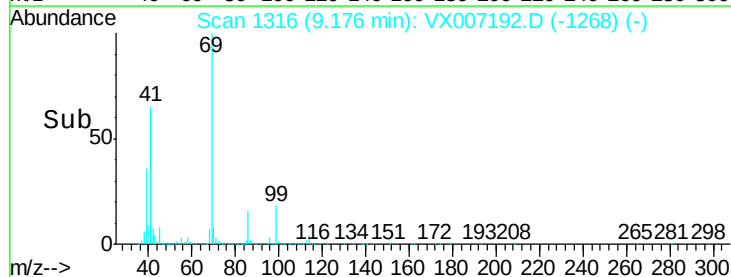
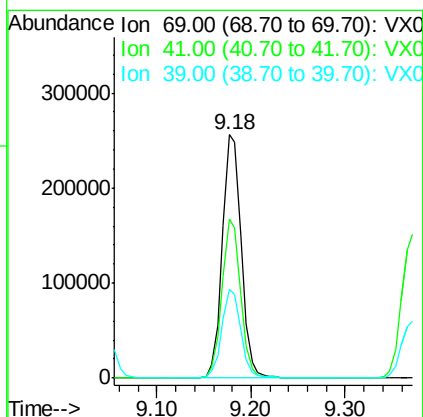
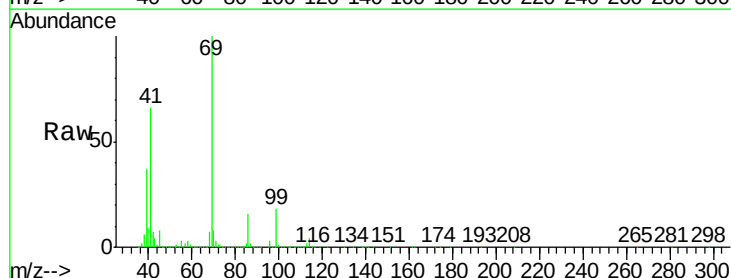
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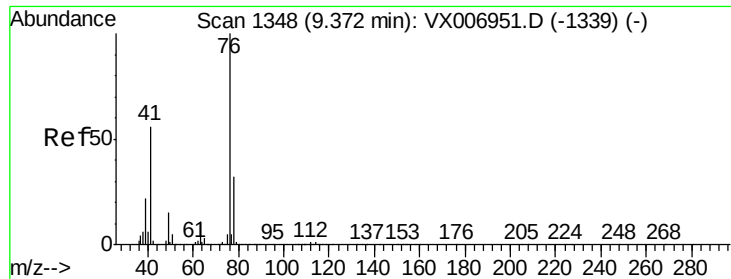
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#56
 Ethyl methacrylate
 Concen: 54.527 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion:	69	Resp:	357165
Ion	Ratio	Lower	Upper
69	100		
41	64.1	48.7	73.1
39	36.3	27.0	40.6





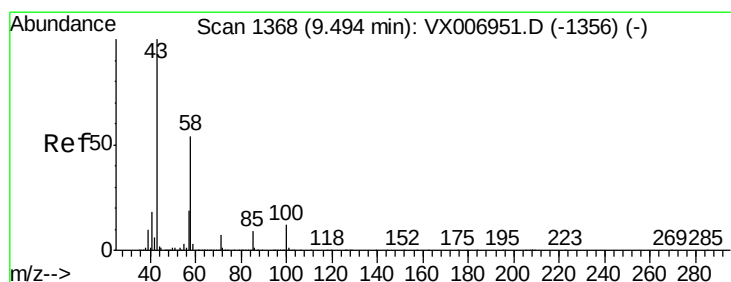
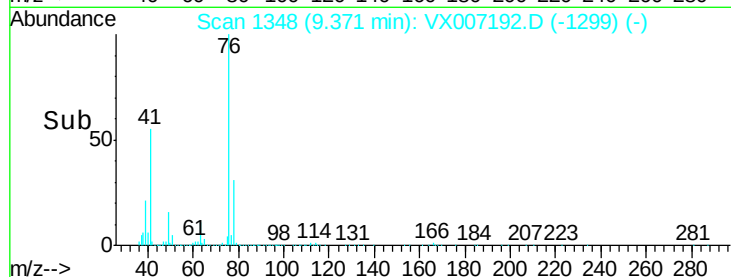
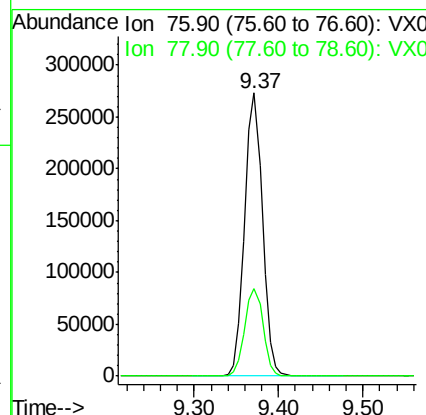
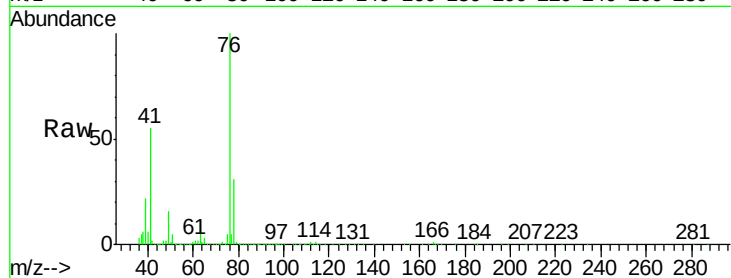
#57
 1,3-Dichloropropane
 Concen: 52.509 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

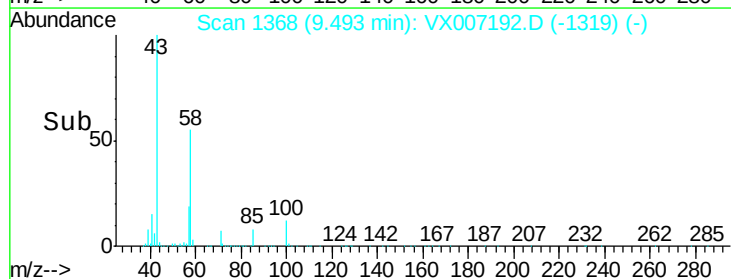
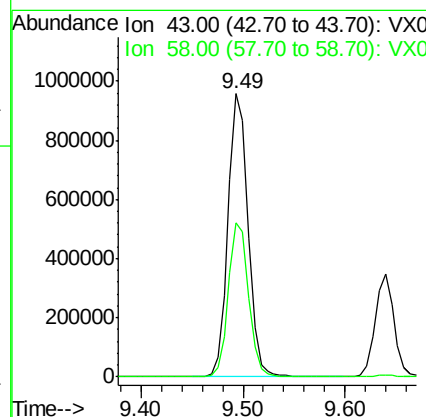
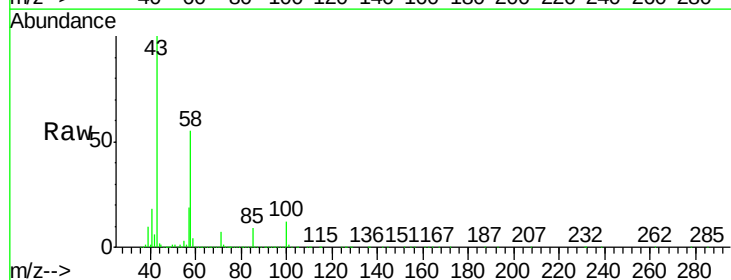
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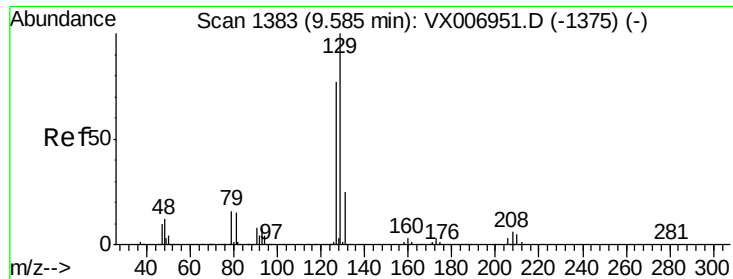
MMDadoda
 1/23/2019 11:29:41 AM



#59
 2-Hexanone
 Concen: 275.960 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.7	83.1





#60

Dibromochloromethane

Concen: 58.428 ug/l

RT: 9.58 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion:129 Resp: 254564

Ion Ratio Lower Upper

129 100

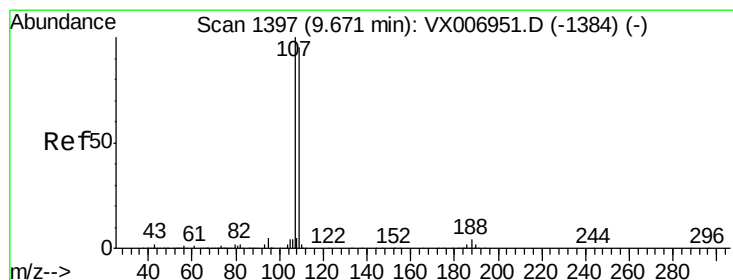
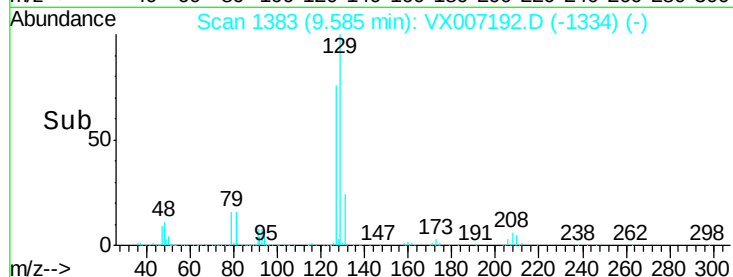
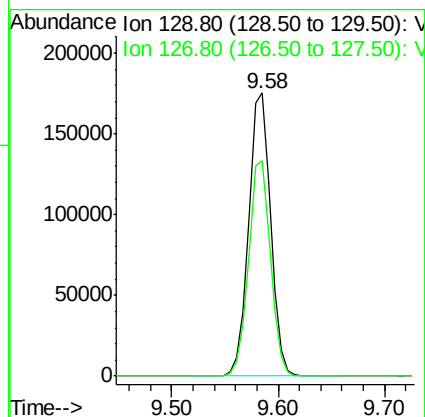
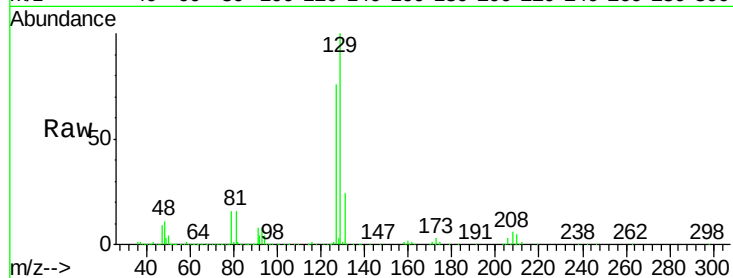
127 76.2 39.3 117.8

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 52.036 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007192.D

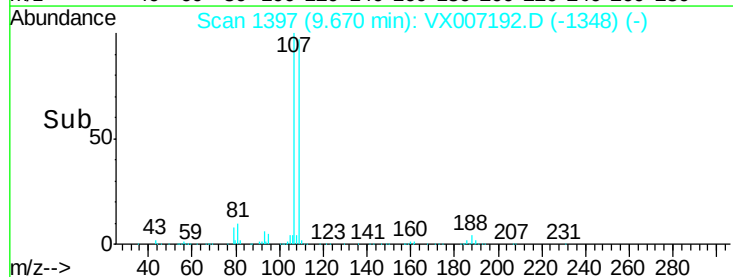
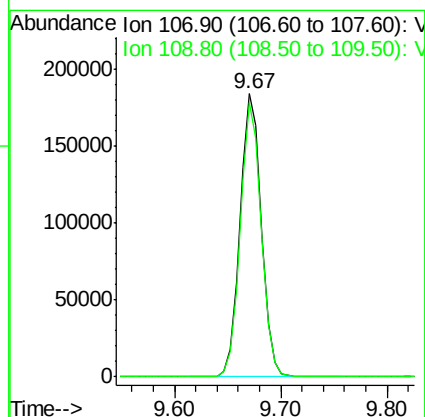
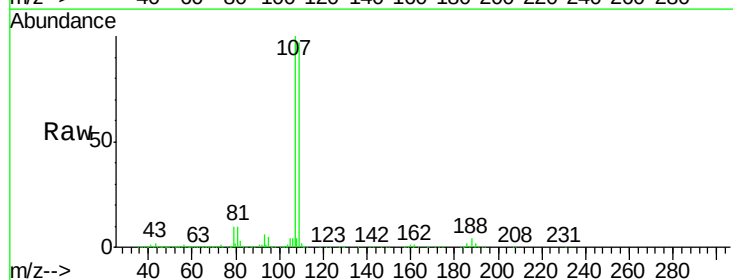
Acq: 22 Jan 2019 19:54

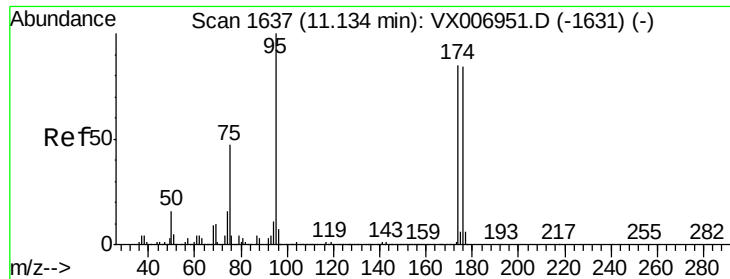
Tgt Ion:107 Resp: 257037

Ion Ratio Lower Upper

107 100

109 95.8 75.8 113.6





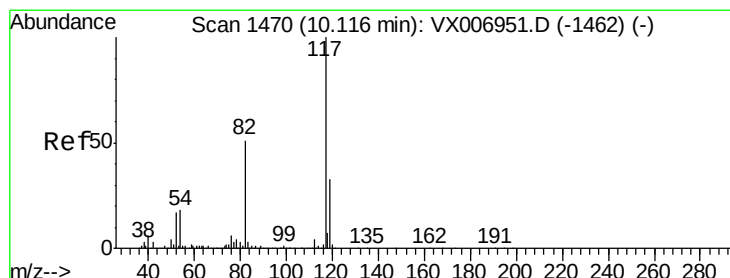
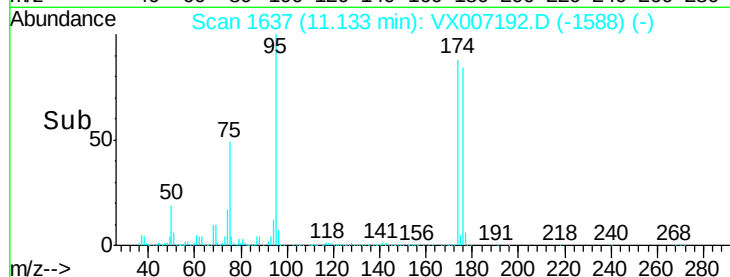
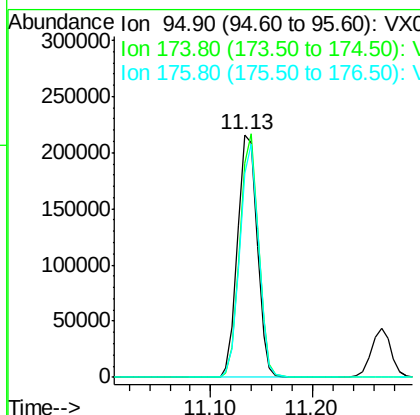
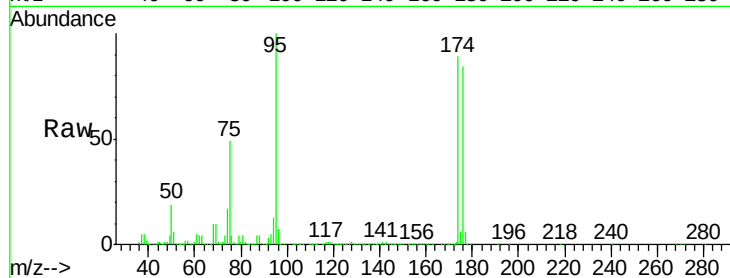
#62
4-Bromofluorobenzene
Concen: 53.152 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	285560		
174	94.9	0.0	182.2	
176	91.9	0.0	178.8	

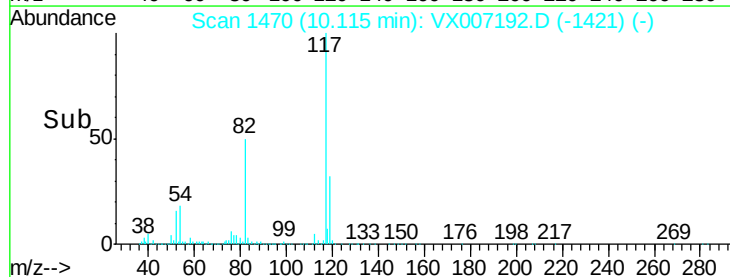
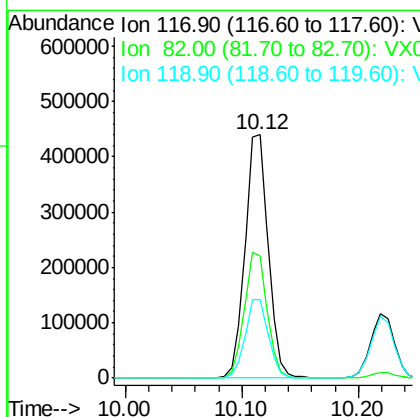
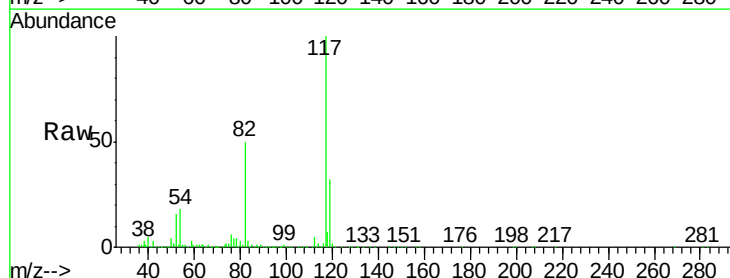
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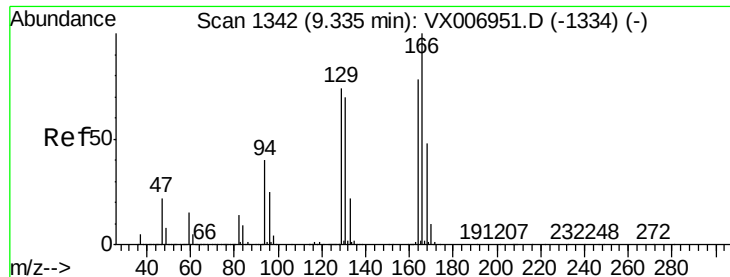
MMDadoda
1/23/2019 11:29:41 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	614916		
82	50.2	41.0	61.6	
119	32.2	25.4	38.0	





#64

Tetrachloroethene

Concen: 47.267 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

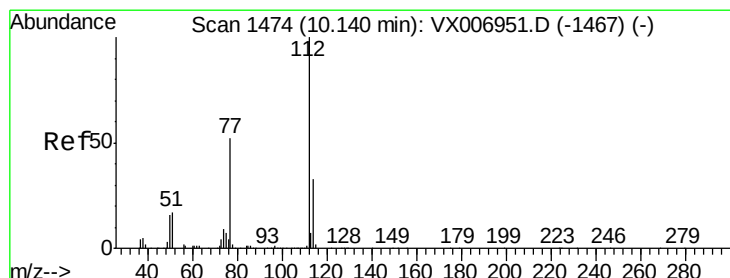
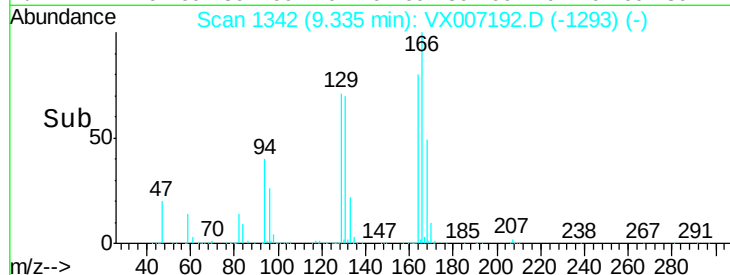
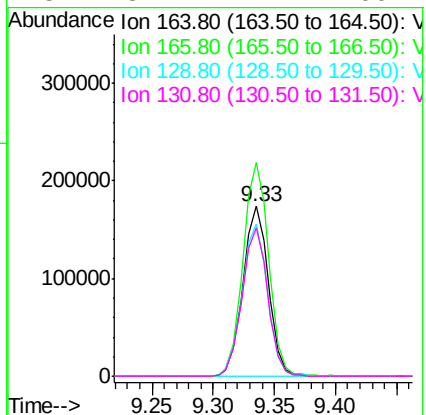
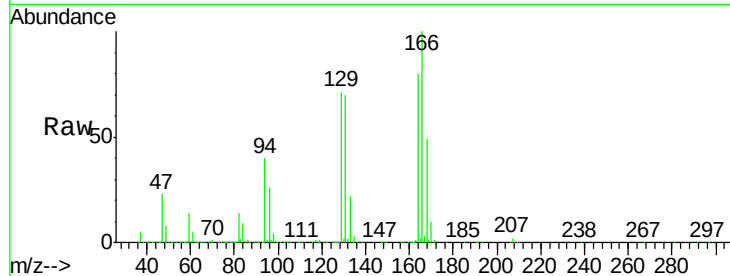
ClientSampleId :

SA-TW524-2327MSD

Tot Ion:	164	Resp:	251639
Ion Ratio	Lower	Upper	
164	100		
166	125.6	102.5	153.7
129	89.4	75.1	112.7
131	87.4	72.7	109.1

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#65

Chlorobenzene

Concen: 49.897 ug/l

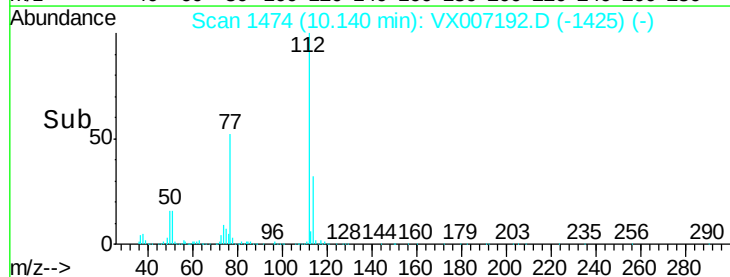
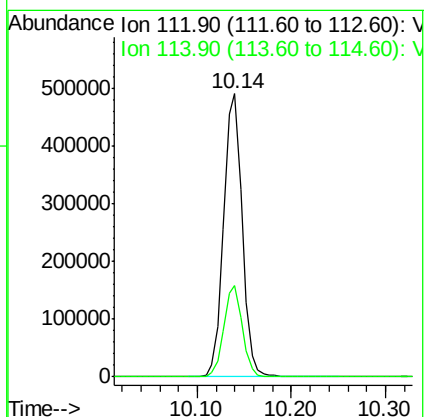
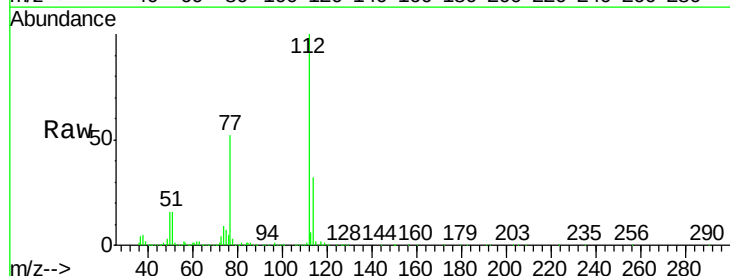
RT: 10.14 min Scan# 1474

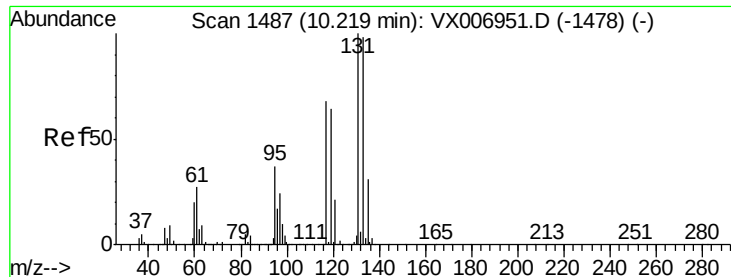
Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion:	112	Resp:	669204
Ion Ratio	Lower	Upper	
112	100		
114	32.1	25.7	38.5





#66

1,1,1,2-Tetrachloroethane

Concen: 53.322 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

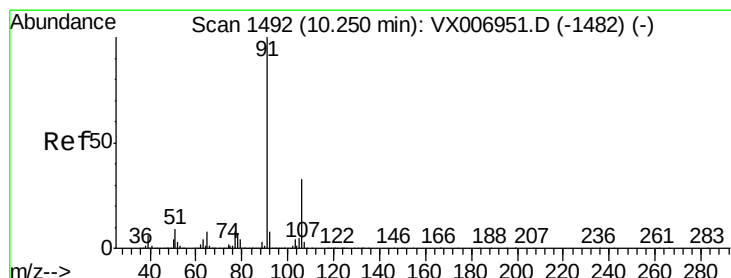
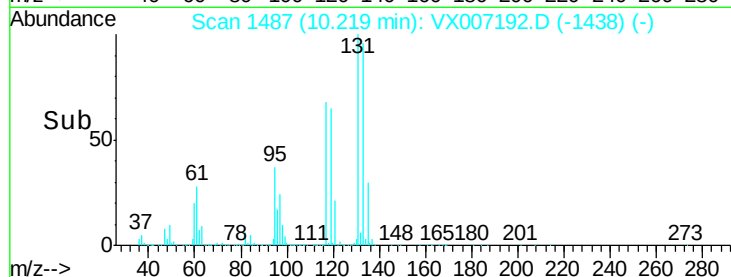
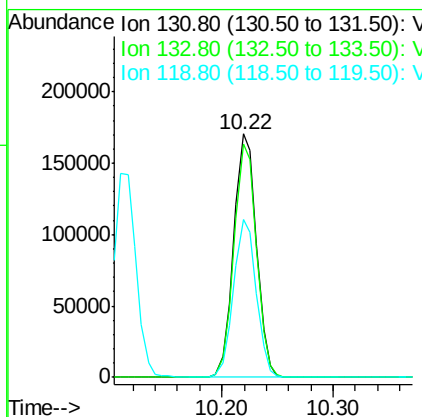
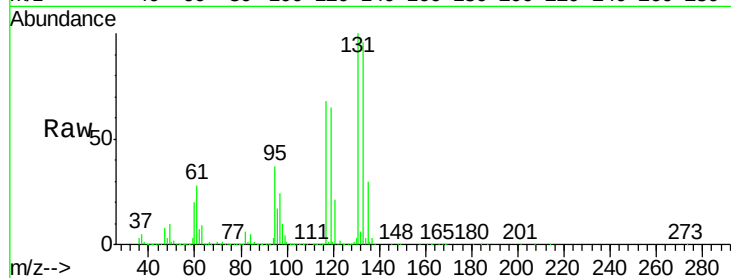
ClientSampleId :

SA-TW524-2327MSD

Tot Ion:	131	Resp:	240571
Ion Ratio	Lower	Upper	
131	100		
133	95.4	48.0	144.2
119	64.7	32.6	97.8

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.225 ug/l

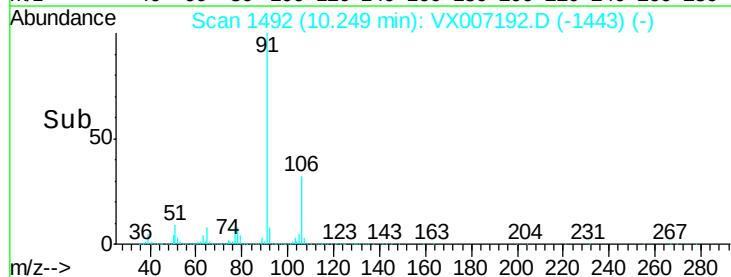
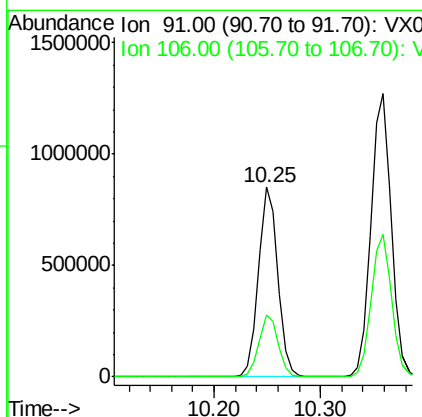
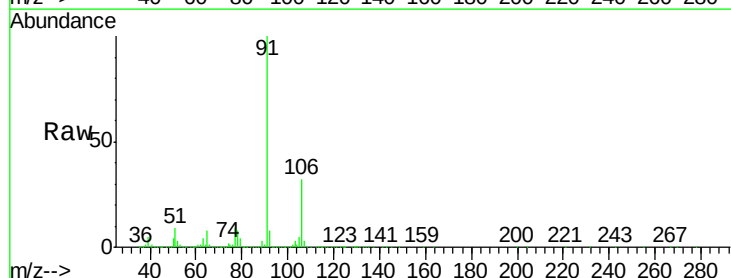
RT: 10.25 min Scan# 1492

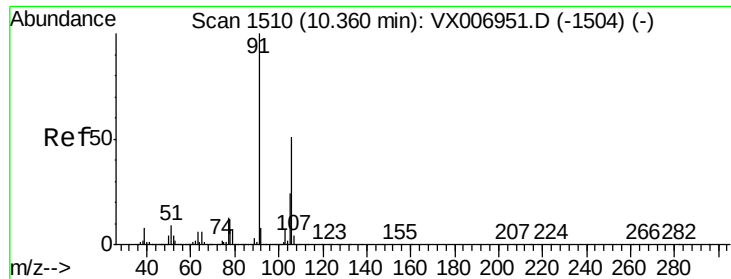
Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion:	91	Resp:	1089899
Ion Ratio	Lower	Upper	
91	100		
106	32.4	26.4	39.6





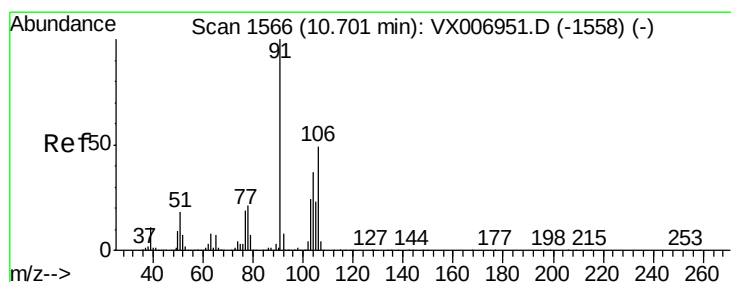
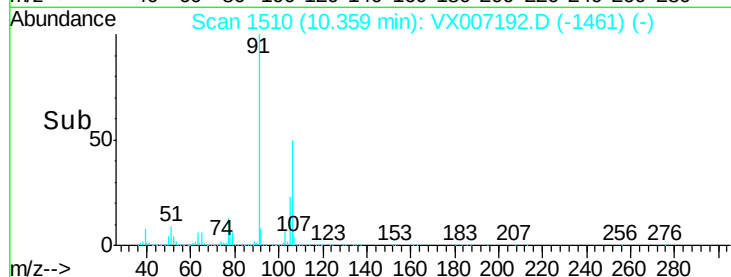
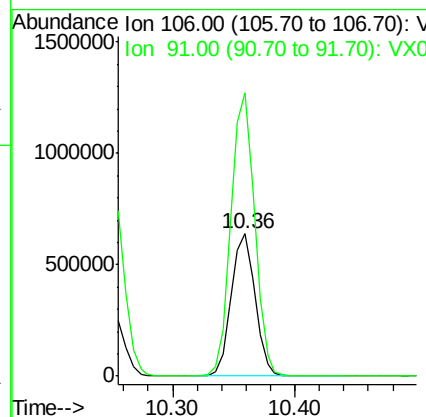
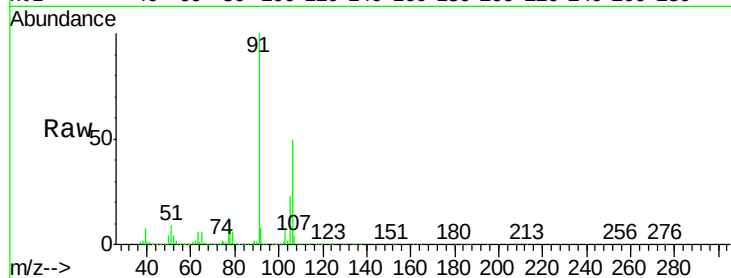
#68
m/p-Xylenes
Concen: 98.472 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Resp	Lower	Upper
106	100	858993		
91	197.5	155.8	233.6	

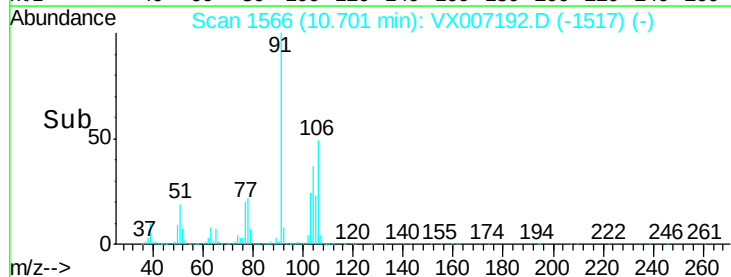
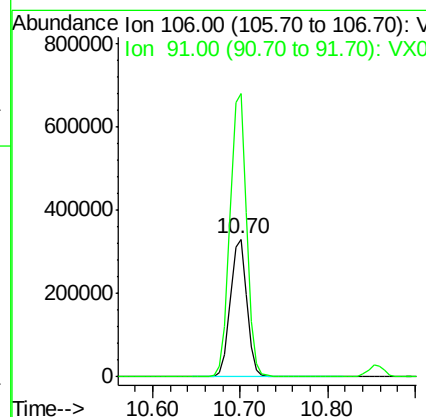
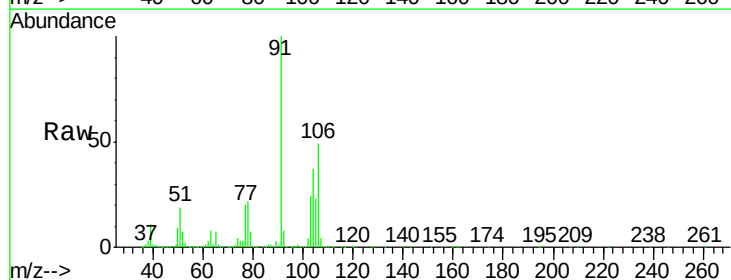
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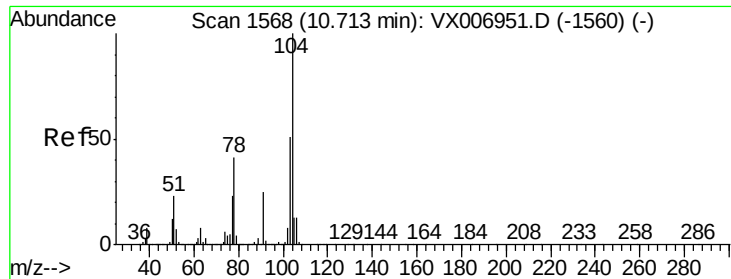
MMDadoda
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#69
o-Xylene
Concen: 50.763 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	431853		
91	205.7	101.3	303.7	





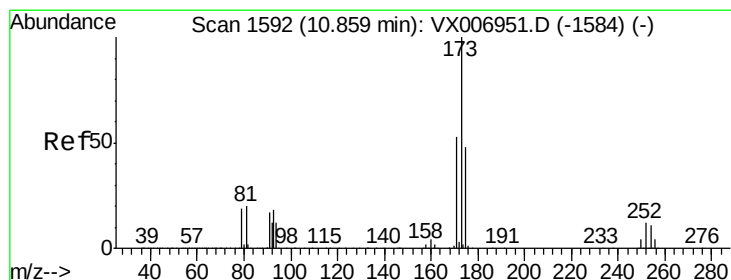
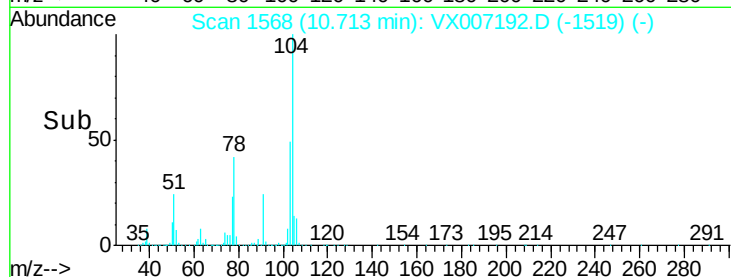
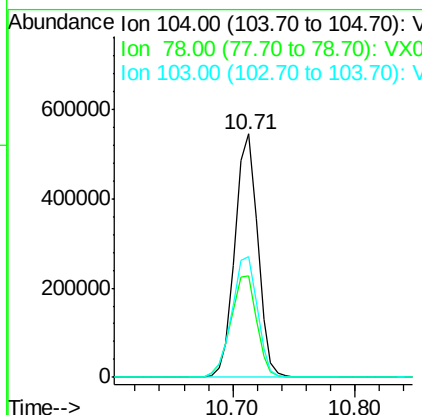
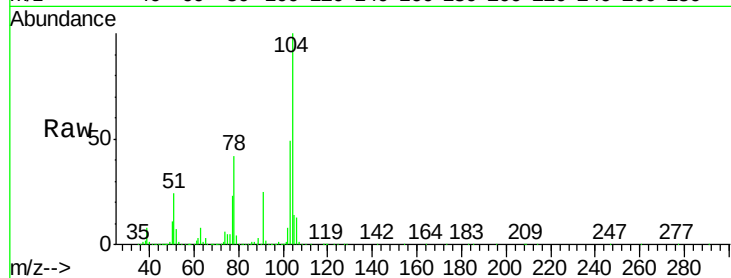
#70
Stvrene
Concen: 52.156 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.7	37.7	56.5
103	55.6	43.8	65.8

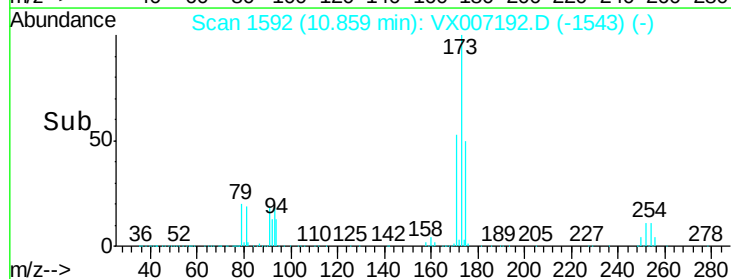
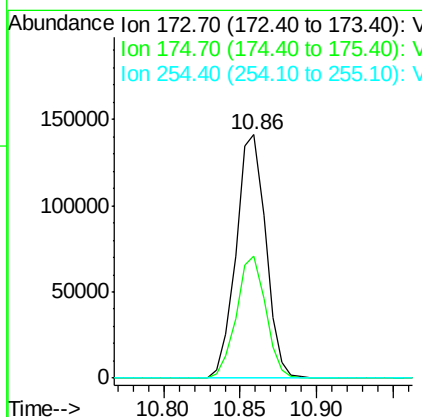
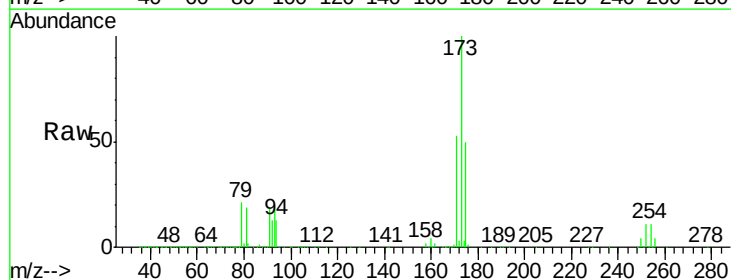
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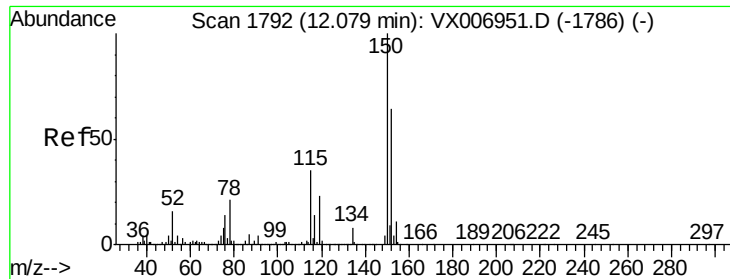
MMDadoda
1/23/2019 11:29:41 AM



#71
Bromoform
Concen: 47.325 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.7	74.1
254	0.2	0.2	0.2





#72

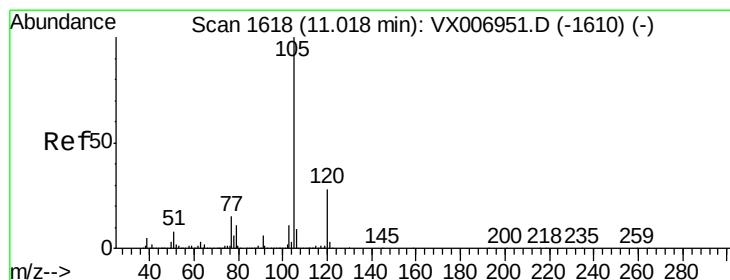
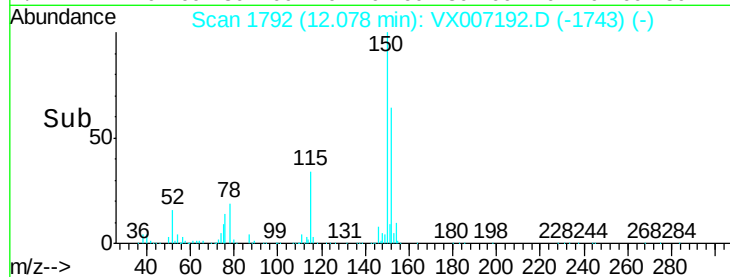
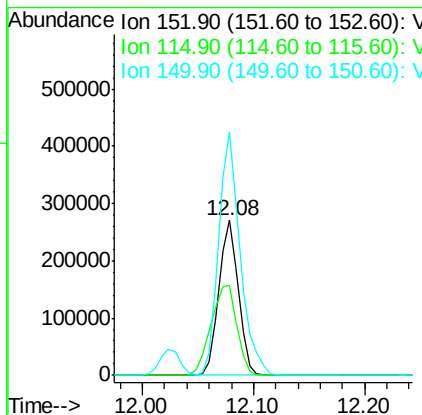
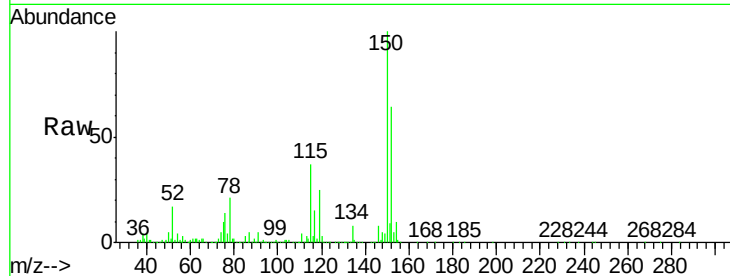
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	77.5	39.1	117.2
150	173.1	0.0	344.8

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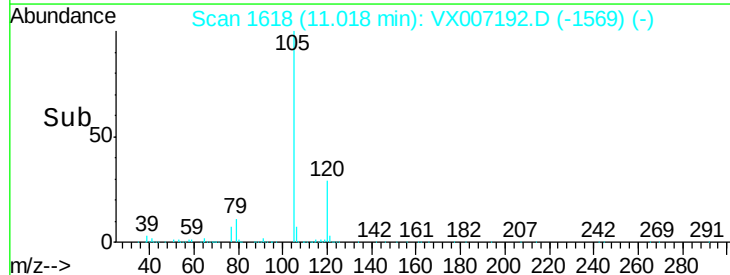
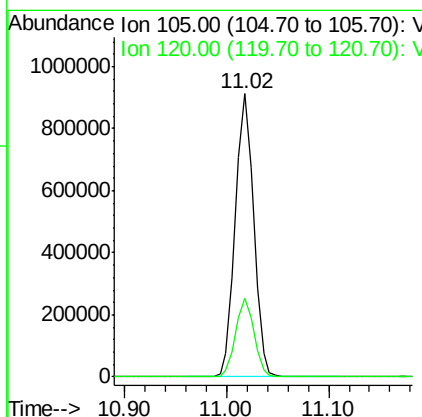
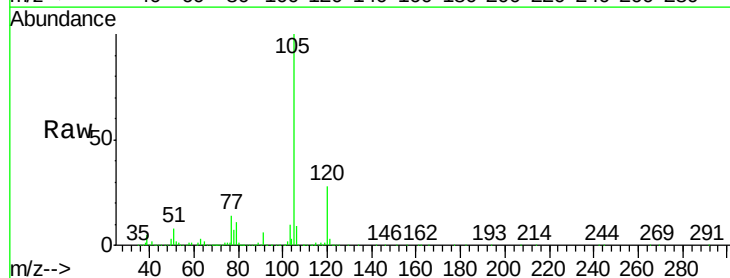
MMDadoda
1/23/2019 11:29:41 AM

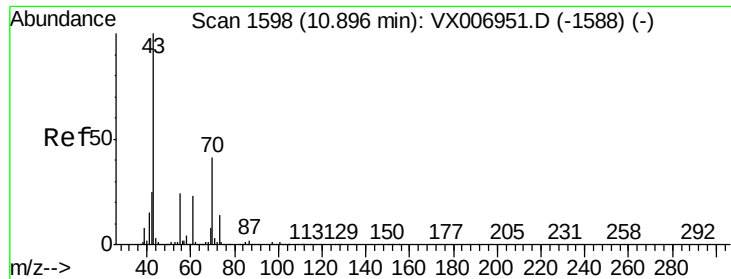


#73

Isopropylbenzene
Concen: 48.966 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	14.1	42.4





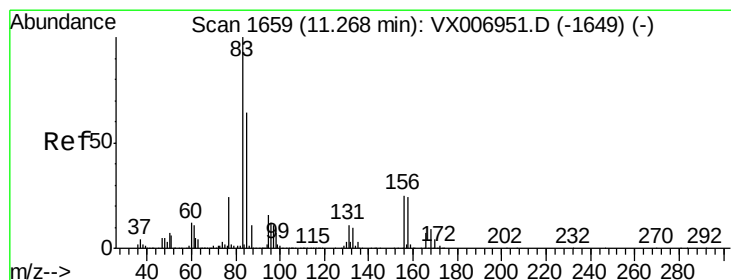
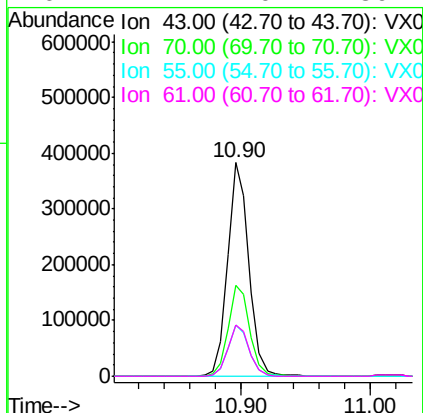
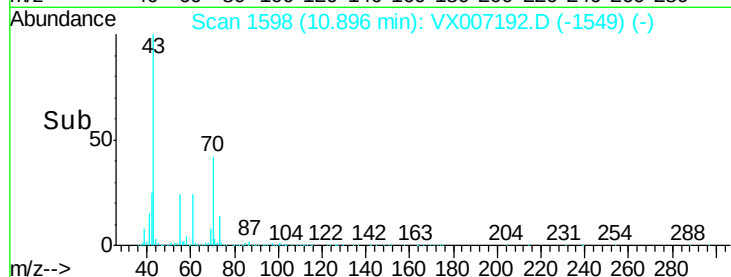
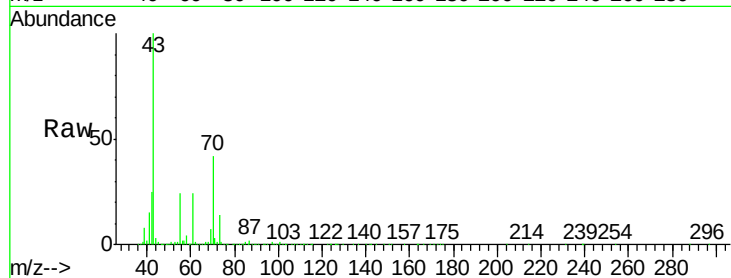
#74
N-amvl acetate
Concen: 47.621 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	43.2	35.8	53.8
55	24.3	19.4	29.0
61	24.1	20.1	30.1

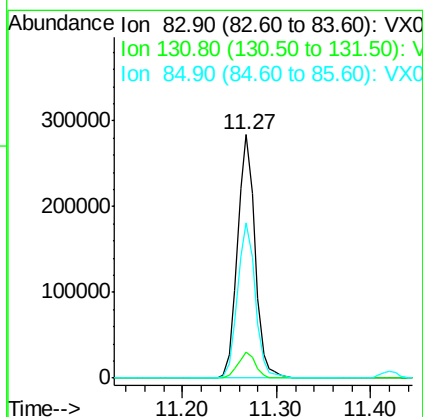
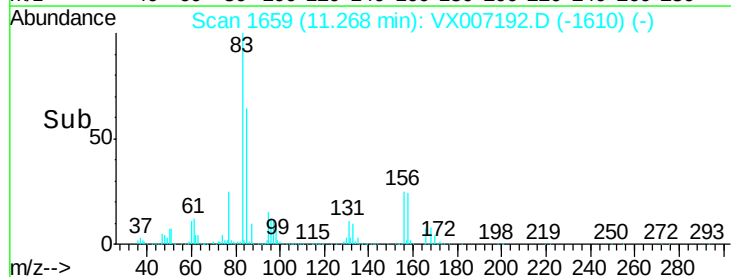
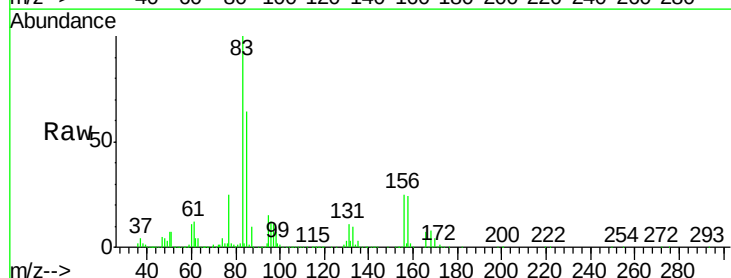
Manual Integrations
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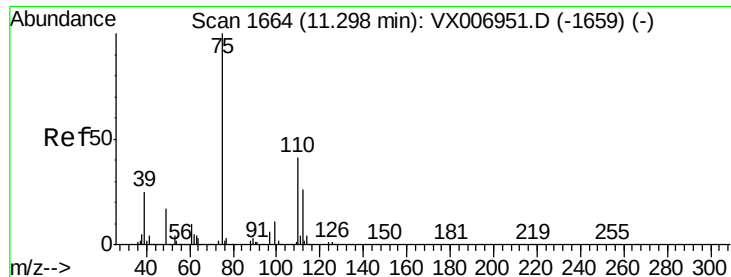
MMDadoda
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#75
1,1,2,2-Tetrachloroethane
Concen: 50.051 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.7	17.1
85	65.1	32.2	96.6





#76

1,2,3-Trichloropropane

Concen: 51.018 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 75 Resp: 338205

Ion Ratio Lower Upper

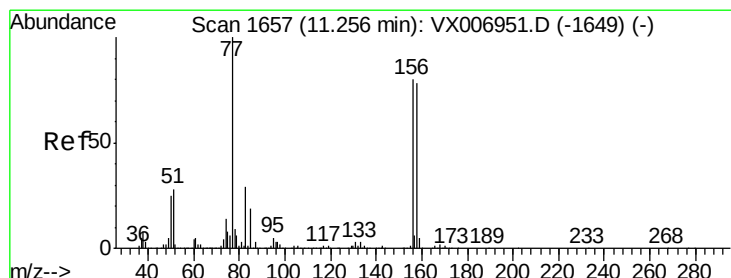
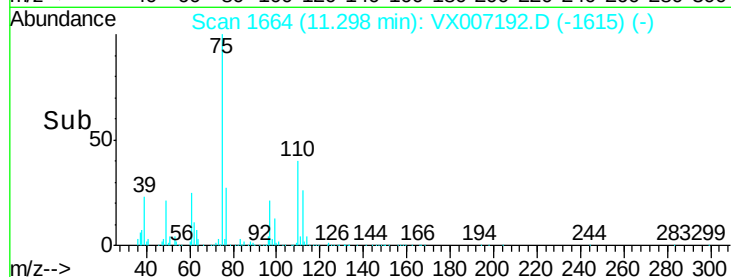
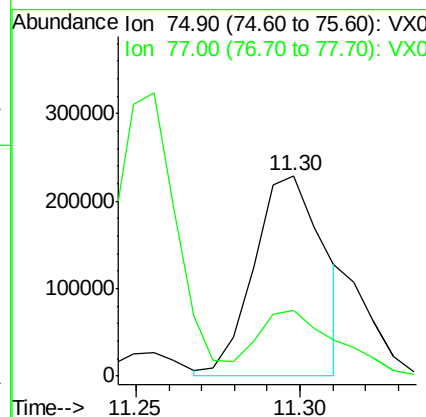
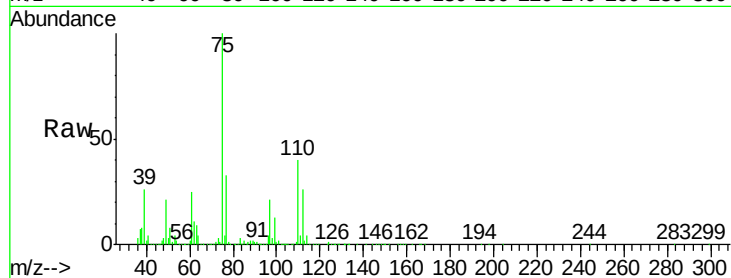
75 100

77 37.3 18.5 55.5

Manual Integrations
APPROVED

MMDadoda

1/23/2019 11:29:41 AM



#77

Bromobenzene

Concen: 49.322 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

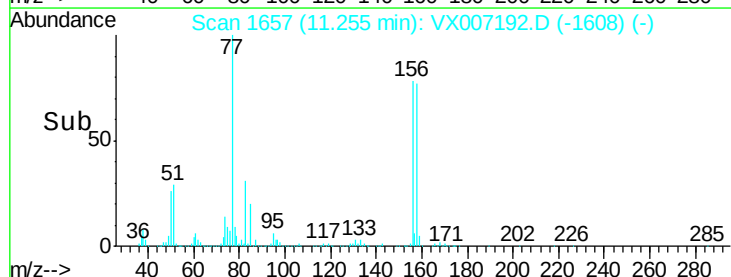
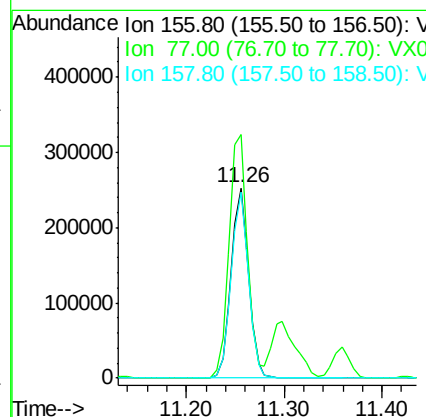
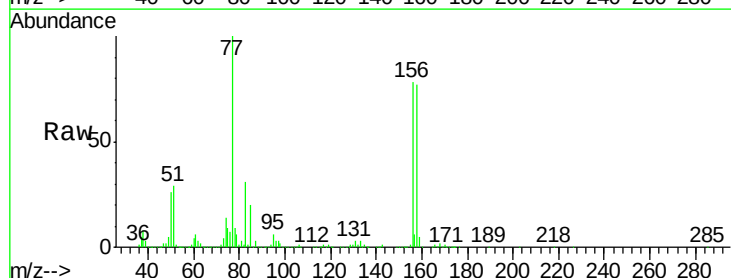
Tgt Ion: 156 Resp: 313484

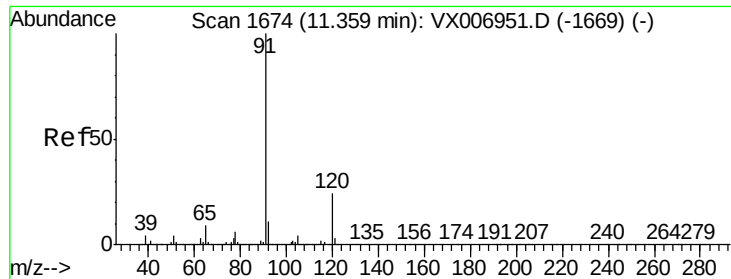
Ion Ratio Lower Upper

156 100

77 135.6 68.0 204.0

158 97.1 48.3 144.8





#78

n-propylbenzene

Concen: 49.777 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 91 Resp: 1260499

Ion Ratio Lower Upper

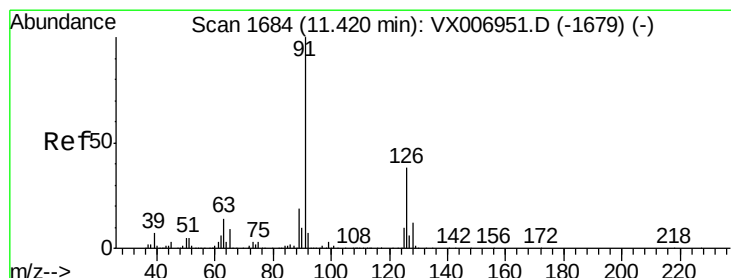
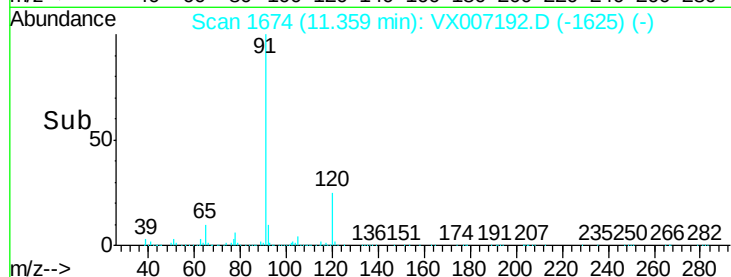
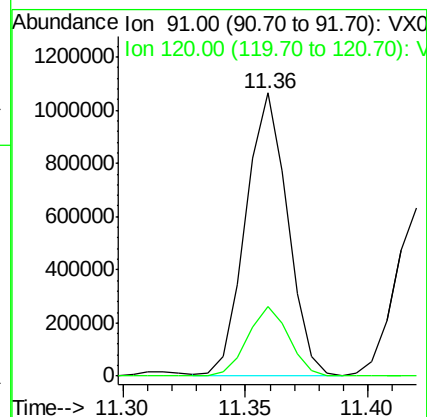
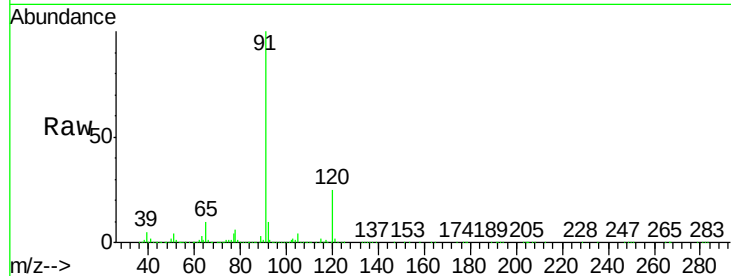
91 100

120 24.7 12.7 38.0

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#79

2-Chlorotoluene

Concen: 49.631 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007192.D

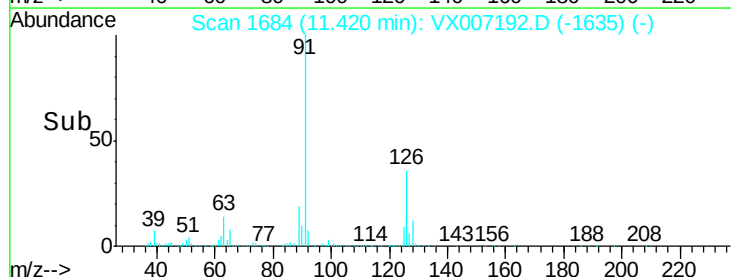
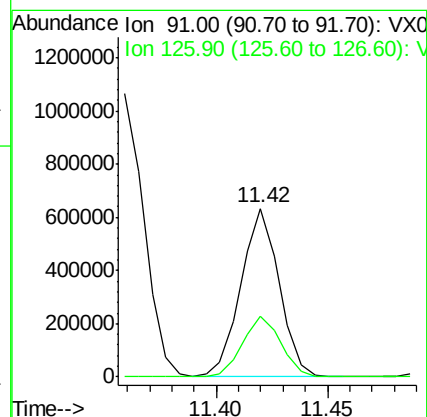
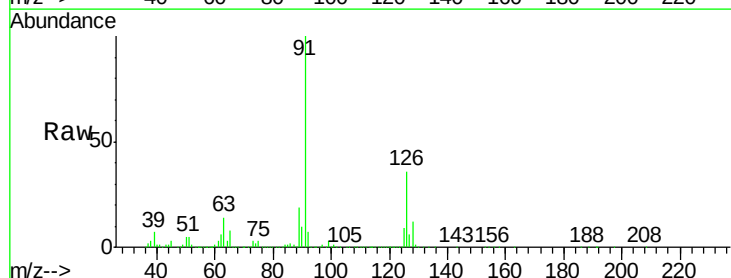
Acq: 22 Jan 2019 19:54

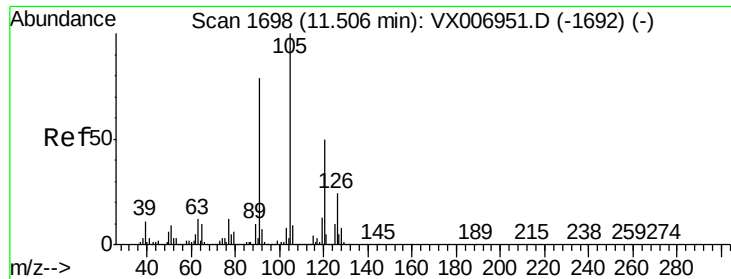
Tgt Ion: 91 Resp: 756544

Ion Ratio Lower Upper

91 100

126 36.6 18.6 56.0





#80

1,3,5-Trimethylbenzene

Concen: 48.591 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 105 Resp: 936567

Ion Ratio Lower Upper

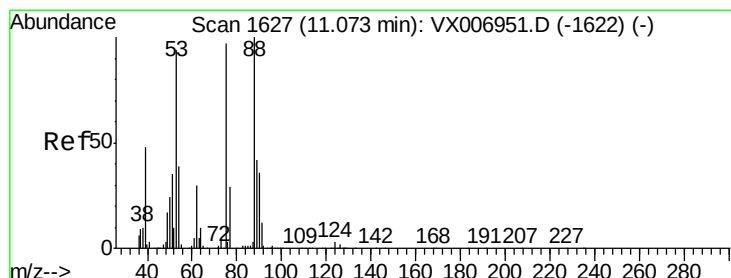
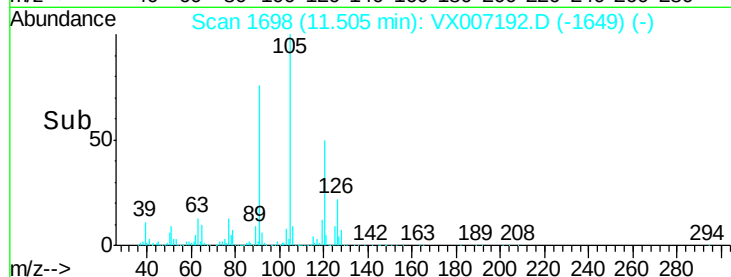
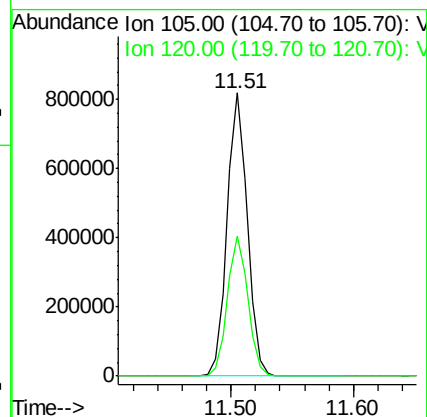
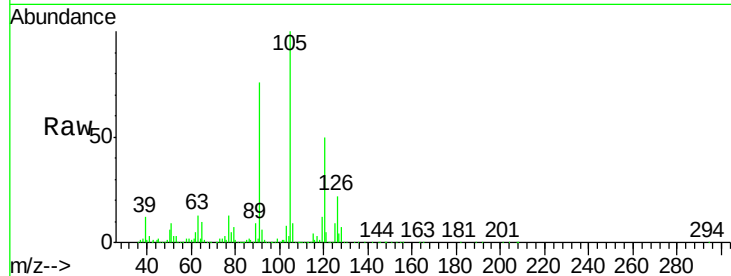
105 100

120 50.3 25.1 75.3

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#81

trans-1,4-Dichloro-2-butene

Concen: 45.581 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

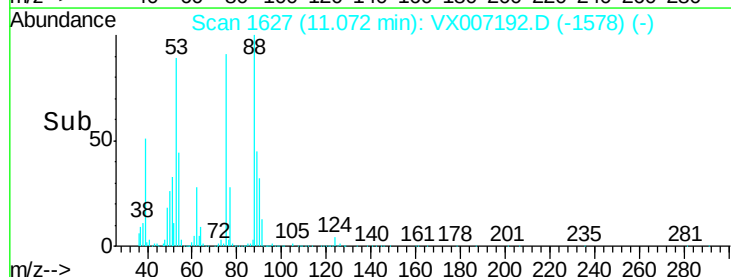
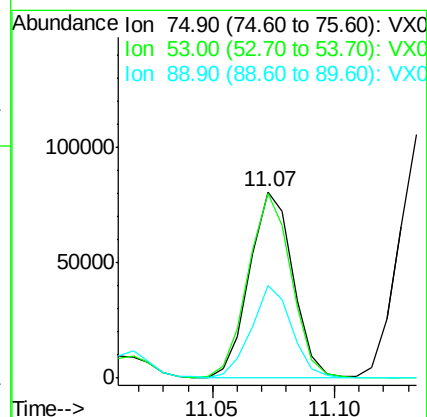
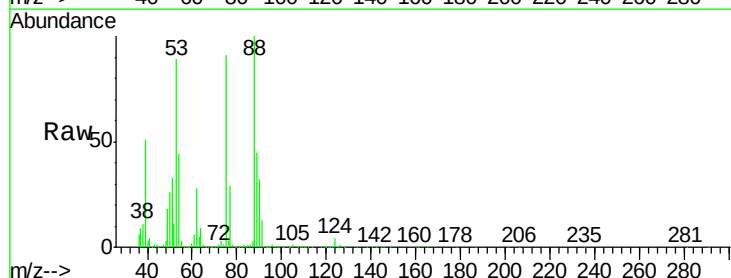
Tgt Ion: 75 Resp: 99331

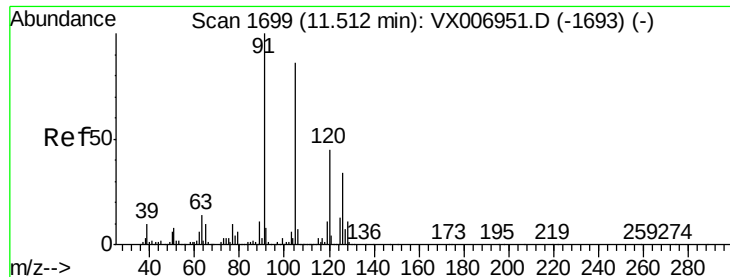
Ion Ratio Lower Upper

75 100

53 98.7 79.7 119.5

89 47.0 38.0 57.0





#82

4-Chlorotoluene

Concen: 49.591 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 91 Resp: 875248

Ion Ratio Lower Upper

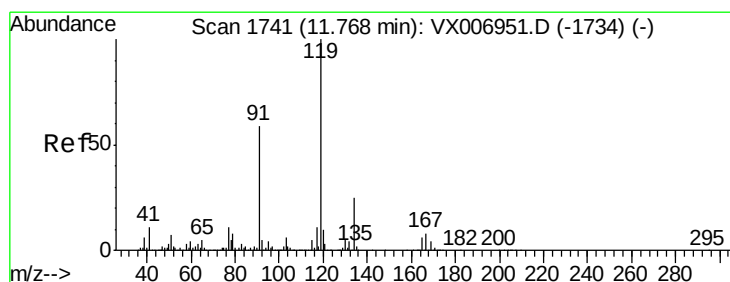
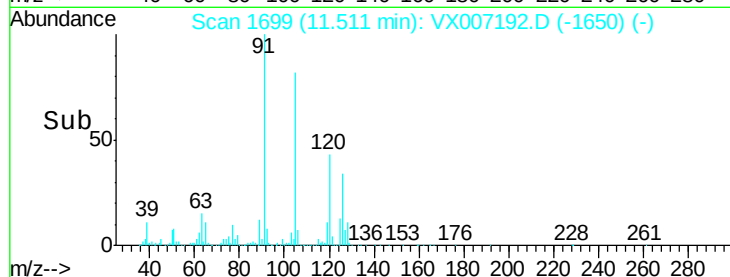
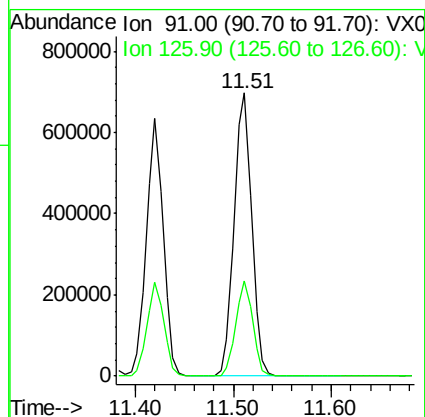
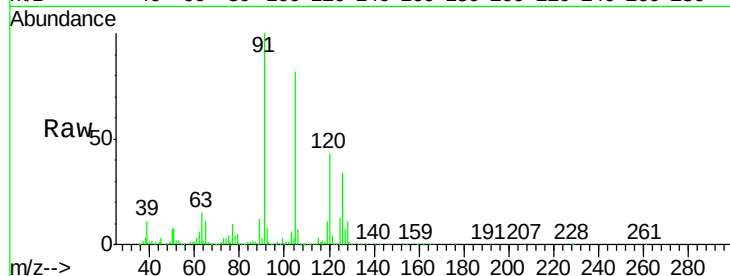
91 100

126 32.5 16.3 48.9

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#83

tert-Butylbenzene

Concen: 49.773 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

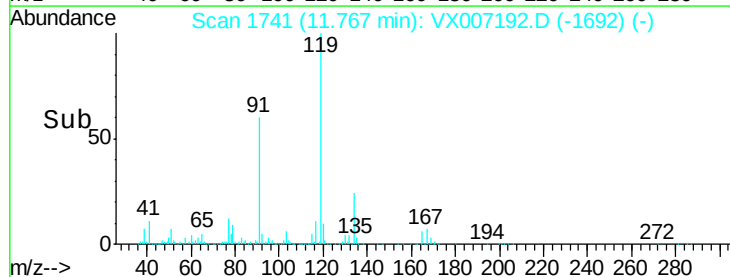
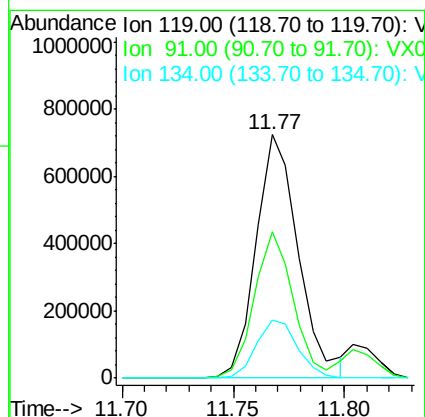
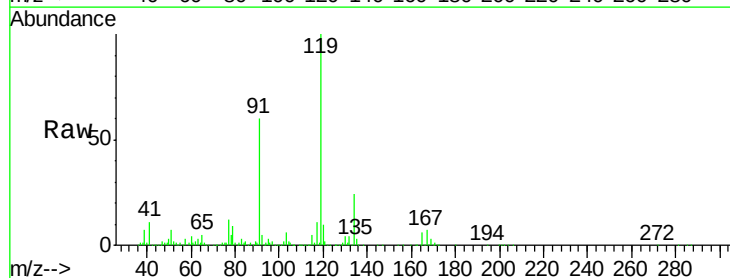
Tgt Ion: 119 Resp: 957166

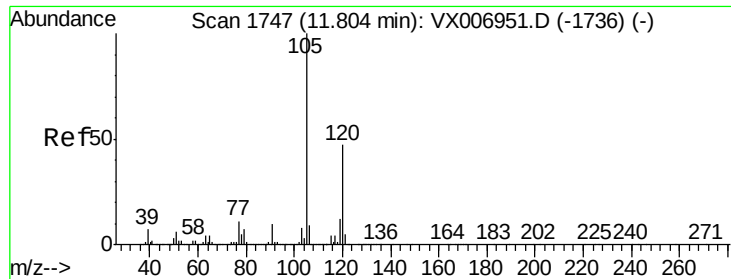
Ion Ratio Lower Upper

119 100

91 55.3 27.7 83.1

134 23.4 11.9 35.5





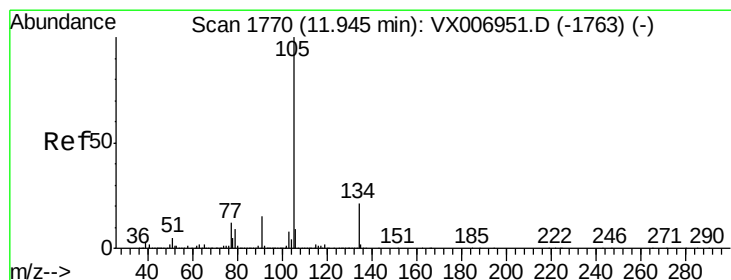
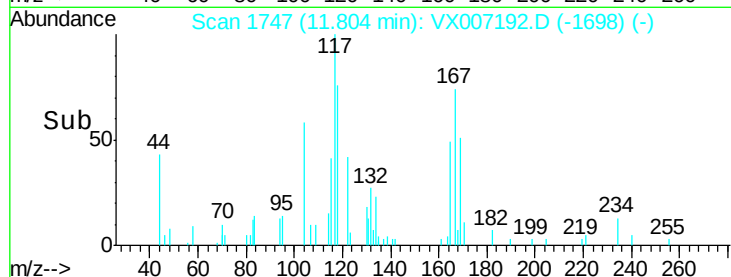
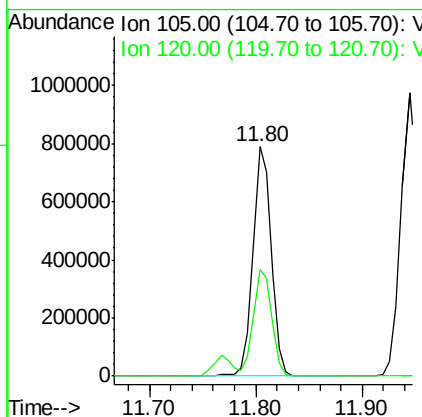
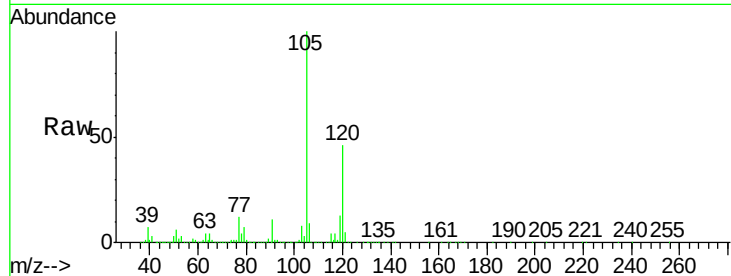
#84
 1,2,4-Trimethylbenzene
 Concen: 49.404 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.6

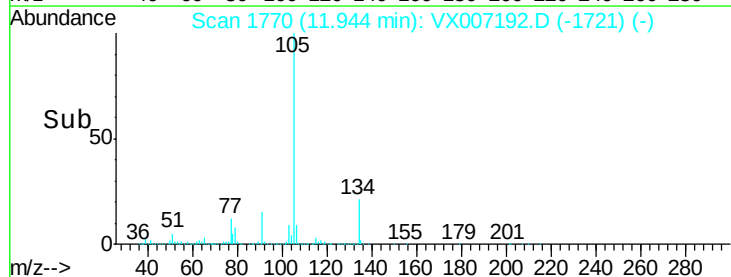
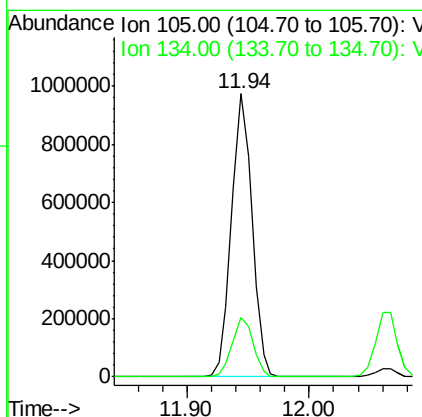
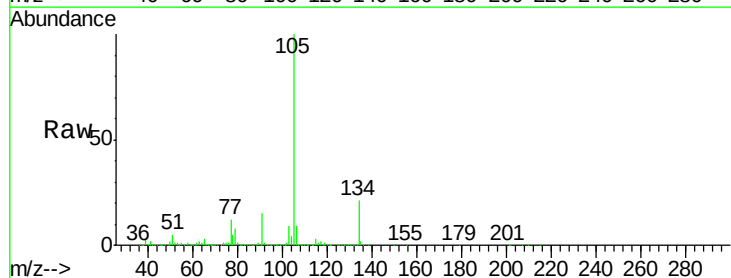
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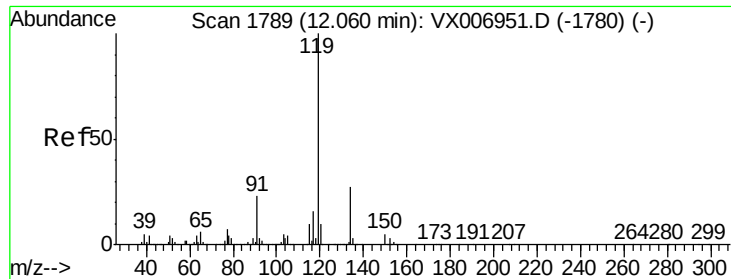
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#85
 sec-Butylbenzene
 Concen: 49.142 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	31.9





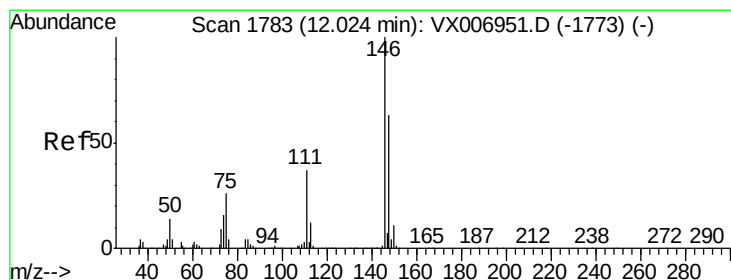
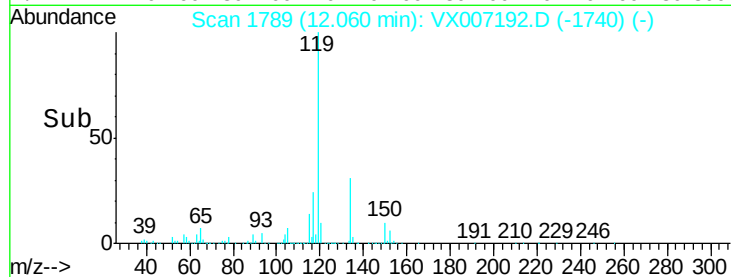
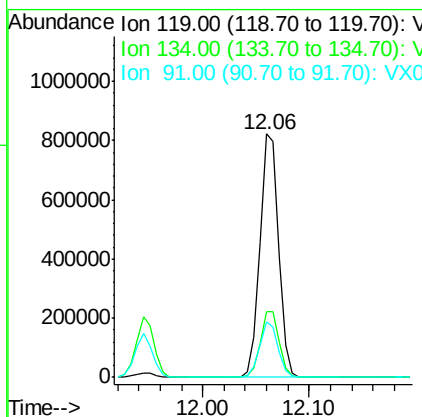
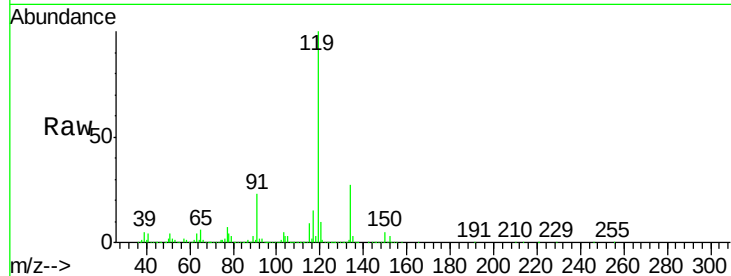
#86
 p-Isopropyltoluene
 Concen: 49.338 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	14.0	41.9
91	22.5	11.3	33.9

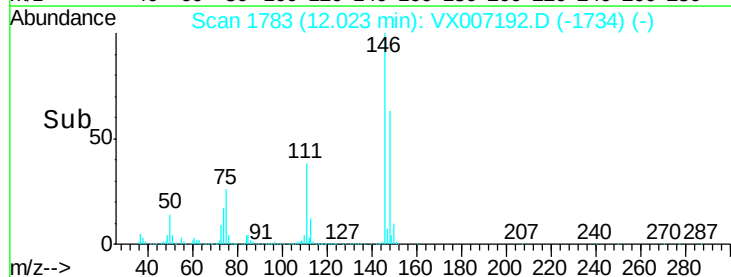
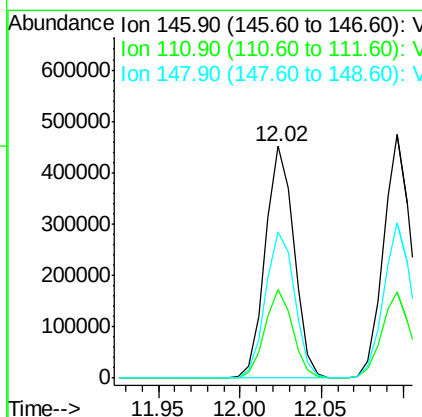
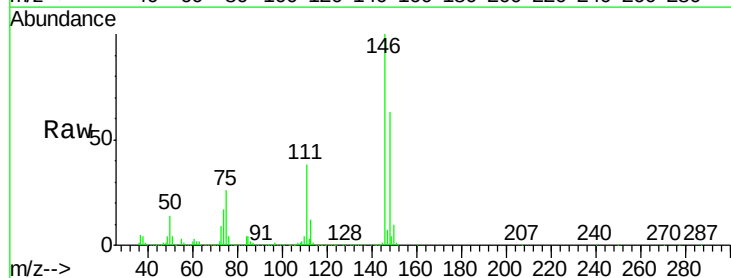
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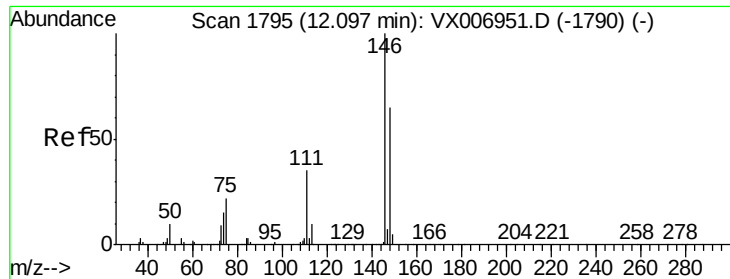
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#87
 1,3-Dichlorobenzene
 Concen: 48.066 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	64.5	31.8	95.3





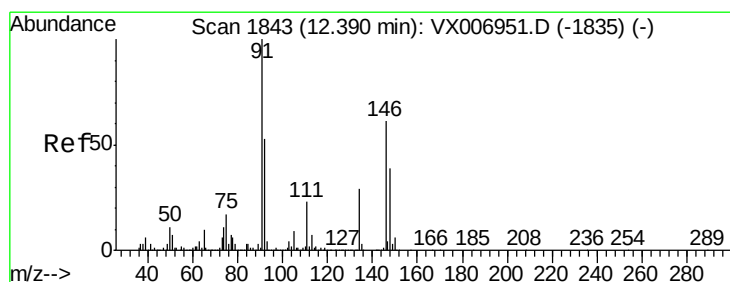
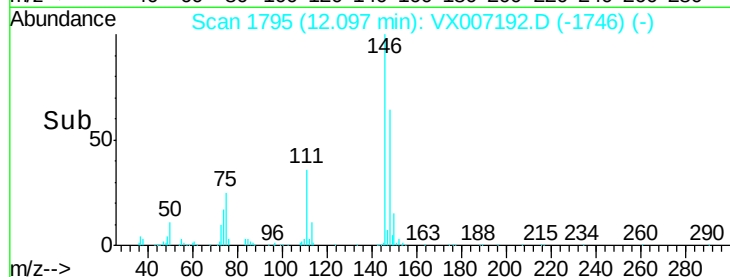
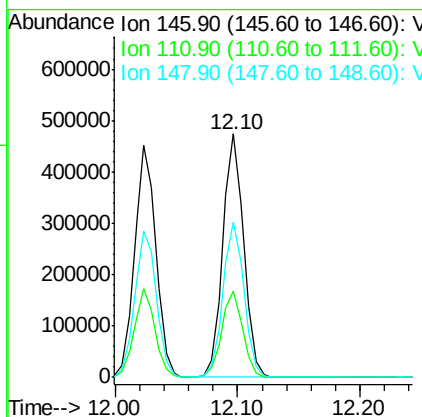
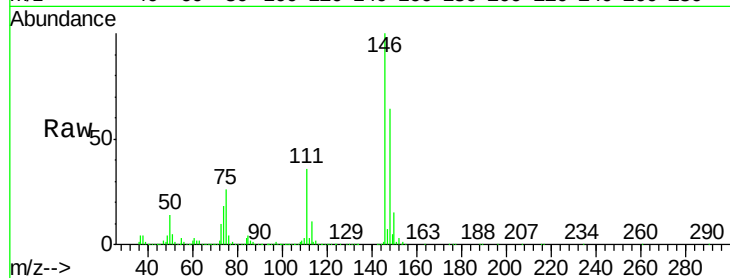
#88
 1,4-Dichlorobenzene
 Concen: 51.510 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.2	31.9	95.9

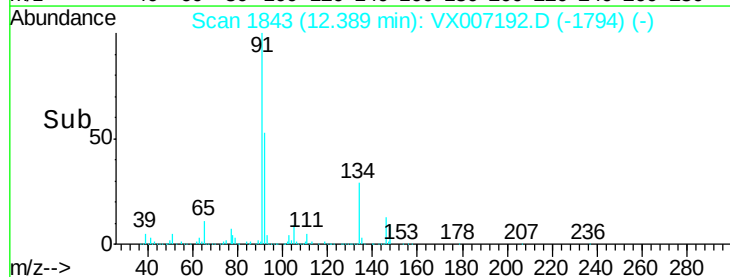
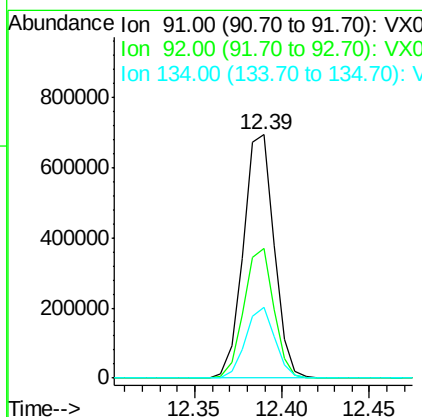
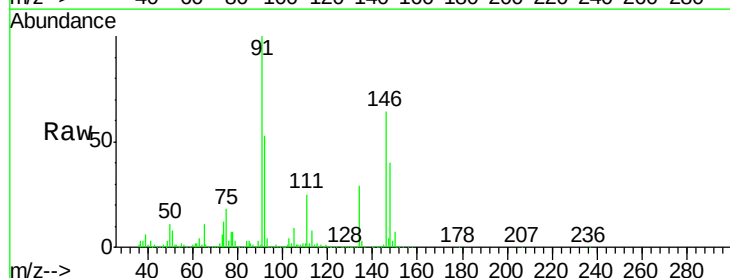
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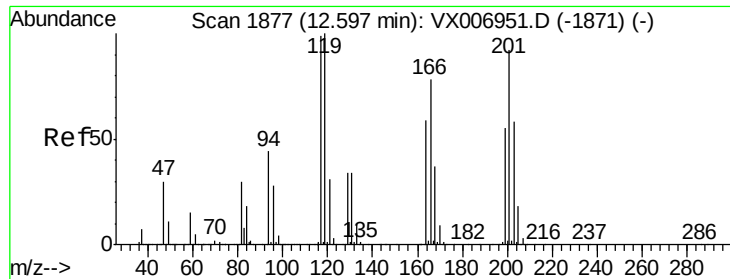
MMDadoda
 1/23/2019 11:29:41 AM



#89
 n-Butylbenzene
 Concen: 48.480 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.4
134	28.0	14.4	43.2





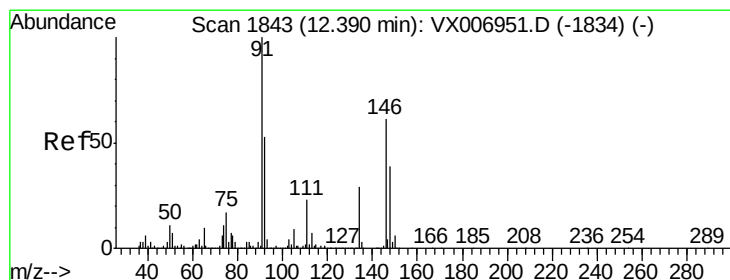
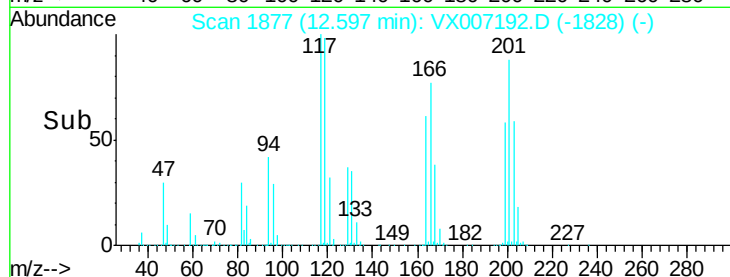
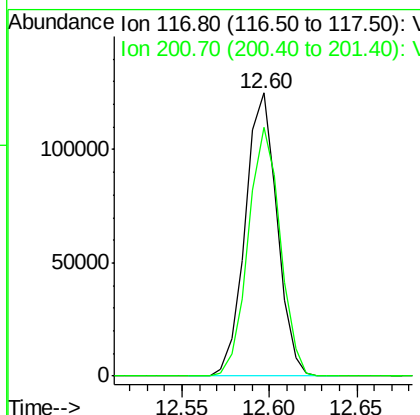
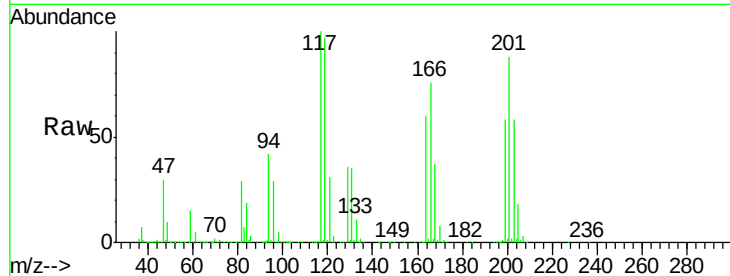
#90
Hexachloroethane
Concen: 48.435 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	158528		
201	88.1	42.9	128.7	

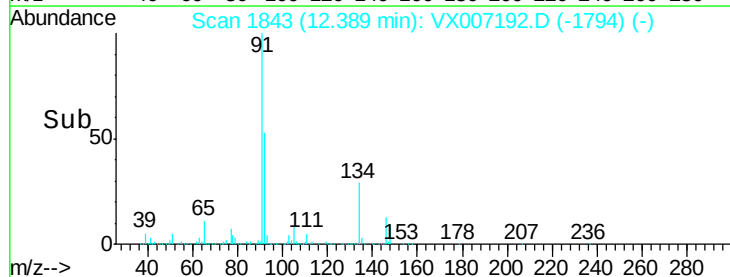
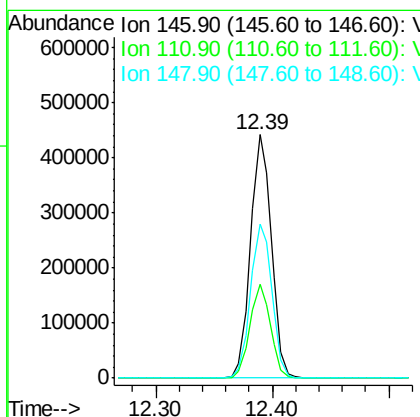
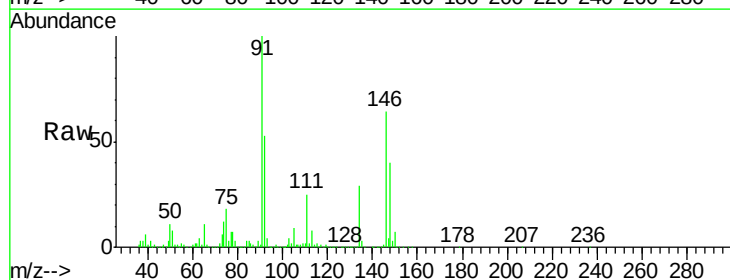
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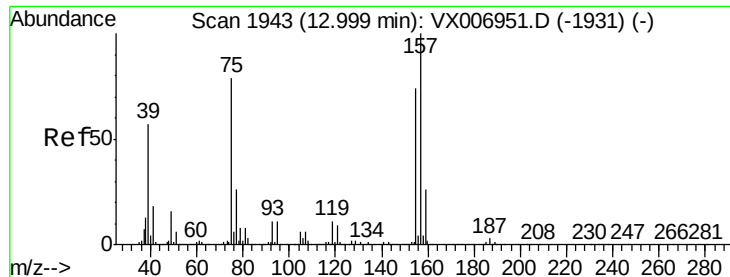
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#91
1,2-Dichlorobenzene
Concen: 49.044 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	556020		
111	38.1	19.4	58.2	
148	64.7	32.3	96.9	





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.747 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 75 Resp: 77843

Ion Ratio Lower Upper

75 100

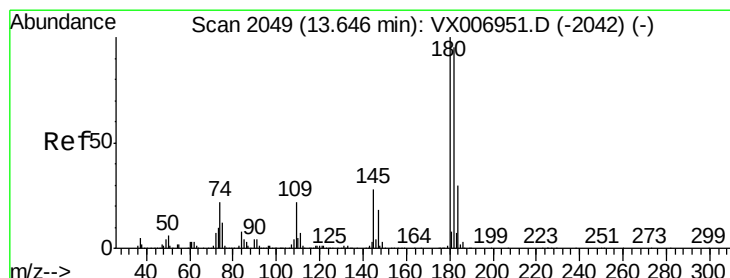
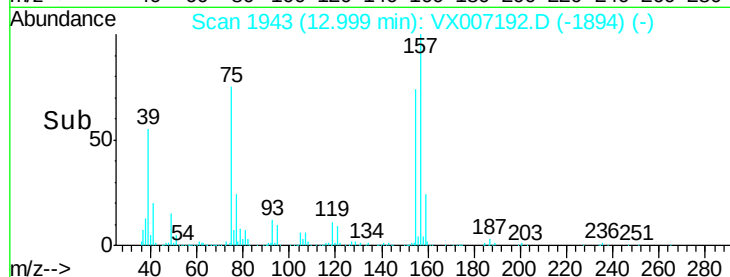
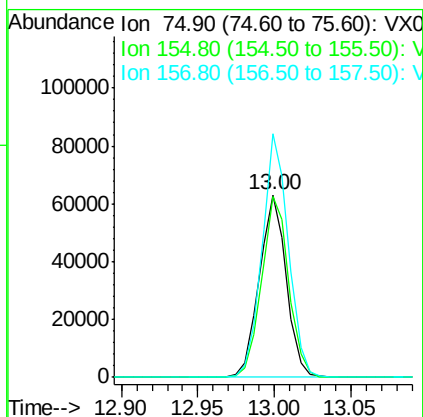
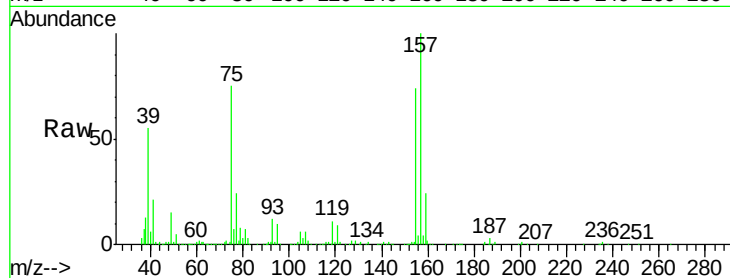
155 99.5 50.6 151.8

157 130.2 64.6 193.8

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 48.369 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

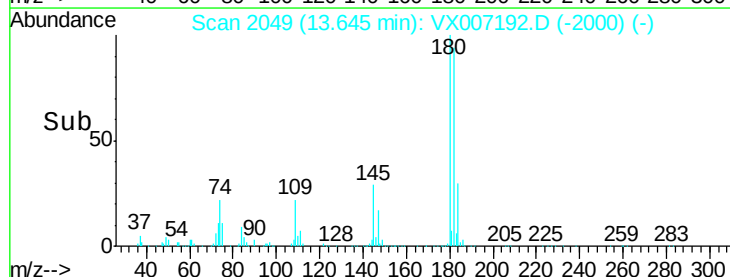
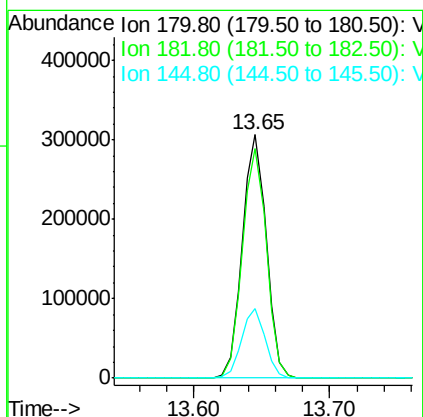
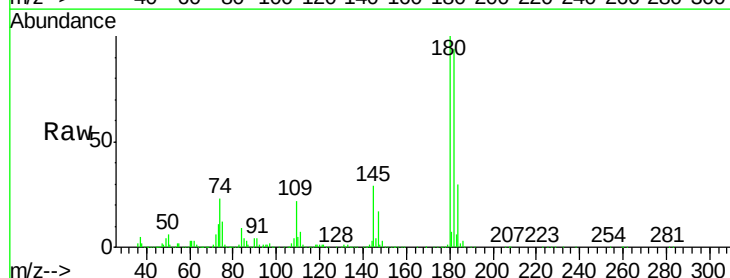
Tgt Ion: 180 Resp: 376220

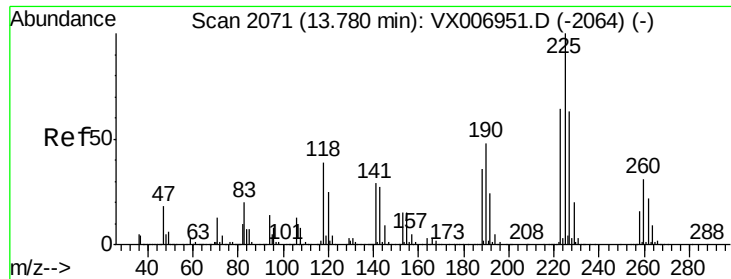
Ion Ratio Lower Upper

180 100

182 94.9 47.3 142.0

145 28.2 14.8 44.3





#94

Hexachlorobutadiene

Concen: 48.933 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

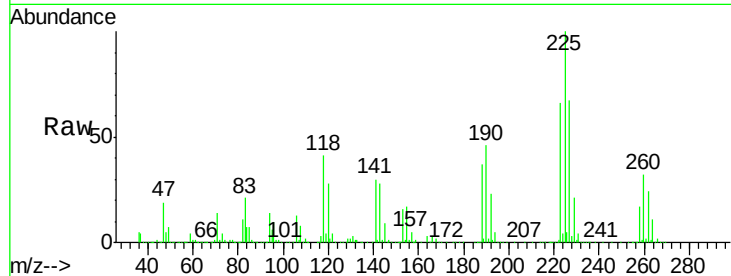
ClientSampleId :

SA-TW524-2327MSD

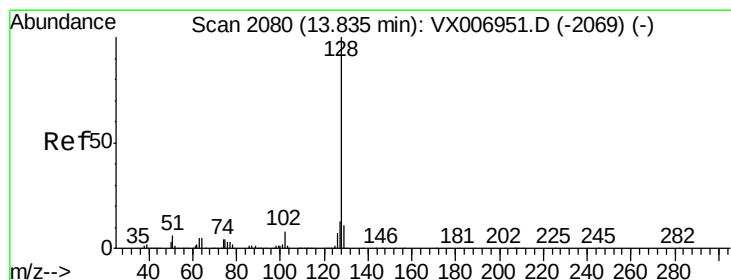
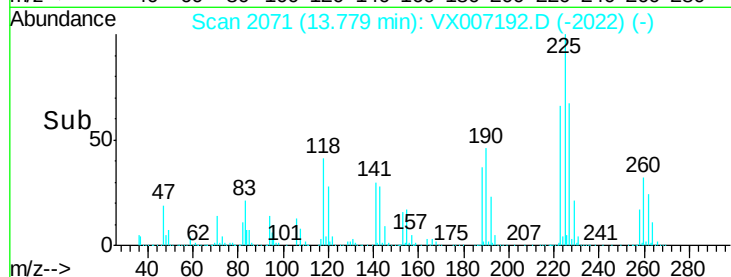
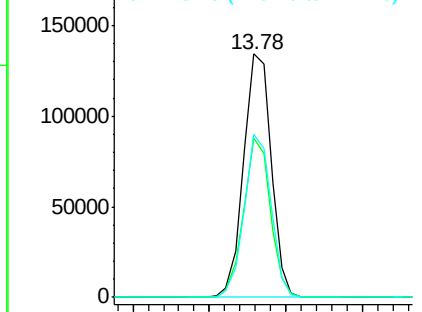
Tot Ion:	225	Resp:	168899
Ion Ratio		Lower	Upper
225	100		
223	63.4	32.1	96.3
227	64.8	32.3	96.8

Manual Integrations
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 50.863 ug/l

RT: 13.83 min Scan# 2080

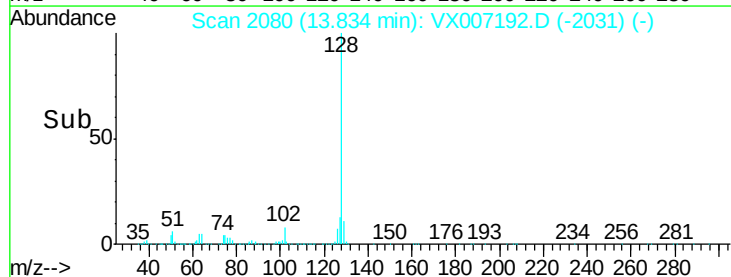
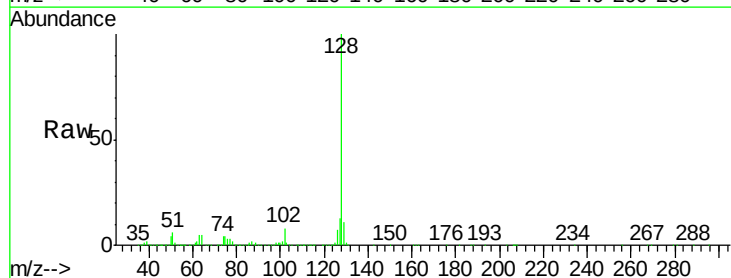
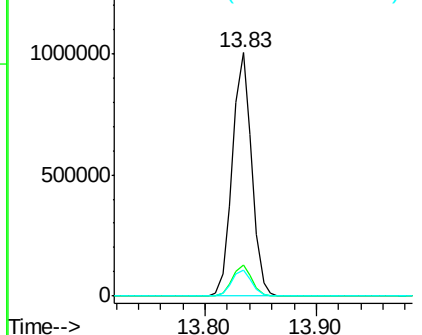
Delta R.T. -0.00 min

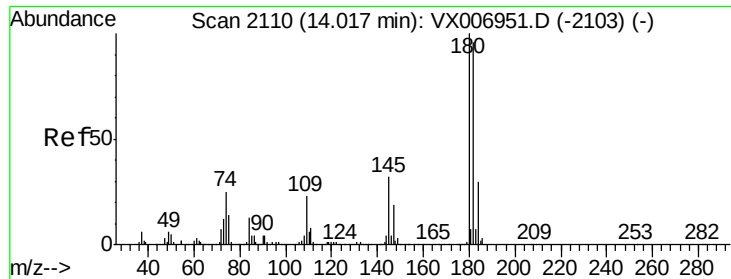
Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion:	128	Resp:	1198799
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.0	8.6	13.0

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: 49.444 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	94.9	48.5	145.5
145	30.0	16.0	47.9

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:29:41 AM

