

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012219\
 Data File : VX007191.D
 Acq On : 22 Jan 2019 19:28
 Operator : JC/SP
 Sample : K1215-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:29:34 AM

Quant Time: Jan 23 02:14:48 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	5.67	168	446266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	663951	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	624670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	327075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	239937	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	5.51	113	221694	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	8.71	98	808113	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.13	95	295263	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	172442	47.055	ug/l	98
3) Chloromethane	1.32	50	202268	47.411	ug/l	98
4) Vinyl Chloride	1.41	62	216871	47.257	ug/l	100
5) Bromomethane	1.64	94	222206	45.320	ug/l	99
6) Chloroethane	1.71	64	149656	46.704	ug/l	96
7) Trichlorofluoromethane	1.93	101	352087	47.483	ug/l	98
8) Diethyl Ether	2.19	74	142024	48.143	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	208700	47.012	ug/l	100
10) Methyl Iodide	2.51	142	325277	54.319	ug/l	100
11) Tert butyl alcohol	3.08	59	273987	249.040	ug/l	100
12) 1,1-Dichloroethene	2.37	96	194362	47.388	ug/l	98
13) Acrolein	2.29	56	159761	335.633	ug/l	97
14) Allyl chloride	2.73	41	340378	48.423	ug/l	98
15) Acrylonitrile	3.15	53	636494	252.017	ug/l	99
16) Acetone	2.45	43	536150	232.536	ug/l	99
17) Carbon Disulfide	2.57	76	421268	39.894	ug/l	99
18) Methyl Acetate	2.78	43	330286	49.466	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	703624	49.426	ug/l	98
20) Methylene Chloride	2.85	84	226902	51.760	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	206826	45.250	ug/l	97
22) Diisopropyl ether	3.87	45	655560	49.608	ug/l	98
23) Vinyl Acetate	3.82	43	2585503	232.000	ug/l	99
24) 1,1-Dichloroethane	3.70	63	362597	49.071	ug/l	99
25) 2-Butanone	4.70	43	822205	249.223	ug/l	98
26) 2,2-Dichloropropane	4.59	77	239823	42.207	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	240537	47.711	ug/l	100
28) Bromochloromethane	5.02	49	167262	51.664	ug/l	95
29) Tetrahydrofuran	5.15	42	524877	244.814	ug/l	98
30) Chloroform	5.21	83	387199	50.048	ug/l	100
31) Cyclohexane	5.57	56	299766	45.580	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	327125	49.885	ug/l	98
36) 1,1-Dichloropropene	5.80	75	267612	46.360	ug/l	100
37) Ethyl Acetate	4.85	43	292726	47.300	ug/l	98
38) Carbon Tetrachloride	5.78	117	281443	48.459	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	322767	43.860	ug/l	97
40) Benzene	6.14	78	854012	48.486	ug/l	99
41) Methacrylonitrile	5.06	41	170026	47.691	ug/l	99
42) 1,2-Dichloroethane	6.20	62	293960	48.296	ug/l	99
43) Isopropyl Acetate	6.46	43	476981	48.862	ug/l	98
44) Trichloroethene	7.21	130	246459	46.694	ug/l	97
45) 1,2-Dichloropropane	7.52	63	219330	49.531	ug/l	94
46) Dibromomethane	7.66	93	154042	49.498	ug/l	97
47) Bromodichloromethane	7.90	83	277509	52.387	ug/l	98
48) Methyl methacrylate	7.77	41	253472	50.563	ug/l	98
49) 1,4-Dioxane	7.75	88	115661	1010.385	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1637546	261.026	ug/l	99
52) Toluene	8.79	92	556718	49.176	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	302578	51.512	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	325980	50.252	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	242547	53.527	ug/l	98
56) Ethyl methacrylate	9.18	69	348623	52.701	ug/l	96
57) 1,3-Dichloropropane	9.37	76	379742	51.153	ug/l	100
59) 2-Hexanone	9.49	43	1235161	258.361	ug/l	100
60) Dibromochloromethane	9.59	129	246308	55.978	ug/l	97
61) 1,2-Dibromoethane	9.67	107	256874	51.493	ug/l	100
64) Tetrachloroethene	9.34	164	254456	47.050	ug/l	94
65) Chlorobenzene	10.14	112	656622	48.195	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	237628	51.847	ug/l	99
67) Ethyl Benzene	10.25	91	1077980	47.927	ug/l	99
68) m/p-Xylenes	10.36	106	854113	96.384	ug/l	99
69) o-Xylene	10.70	106	421245	48.742	ug/l	98
70) Styrene	10.71	104	680204	49.695	ug/l	100
71) Bromoform	10.86	173	183010	45.139	ug/l #	100
73) Isopropylbenzene	11.02	105	1123829	48.728	ug/l	98
74) N-amyl acetate	10.90	43	423613	45.619	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	352404	48.131	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	327527m	49.415	ug/l	
77) Bromobenzene	11.26	156	300834	47.339	ug/l	99
78) n-propylbenzene	11.36	91	1241263	49.026	ug/l	99
79) 2-Chlorotoluene	11.42	91	723779	47.490	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	913274	47.391	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	89827	41.588	ug/l	96
82) 4-Chlorotoluene	11.51	91	842706	47.755	ug/l	100
83) tert-Butylbenzene	11.77	119	910631	47.361	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	943437	48.684	ug/l	100
85) sec-Butylbenzene	11.94	105	1113000	48.470	ug/l	100
86) p-Isopropyltoluene	12.06	119	995004	48.443	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	541274	47.124	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	536365	49.287	ug/l	99
89) n-Butylbenzene	12.39	91	828342	47.309	ug/l	99
90) Hexachloroethane	12.60	117	153110	46.886	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	531336	46.875	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	72872	50.323	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	368634	47.402	ug/l	99

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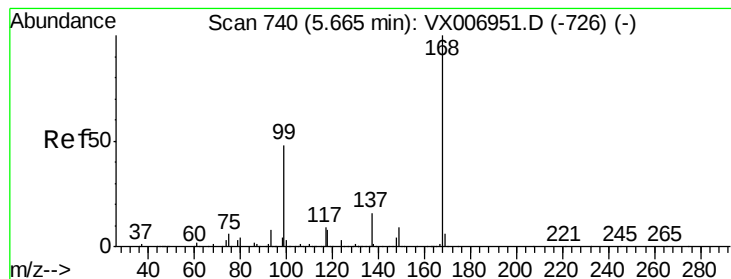
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	168907	48.943	ug/l	98
95) Naphthalene	13.83	128	1149447	48.777	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	366415	47.430	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion:168 Resp: 446266

Ion Ratio Lower Upper

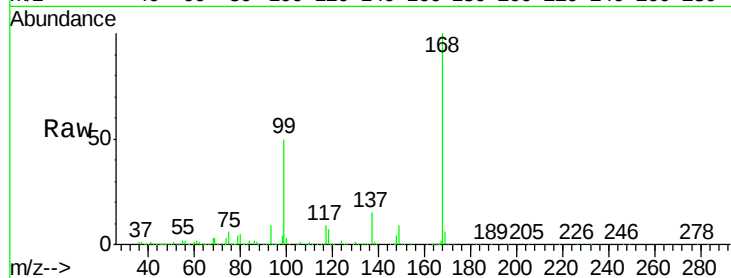
168 100

99 49.5 41.8 62.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

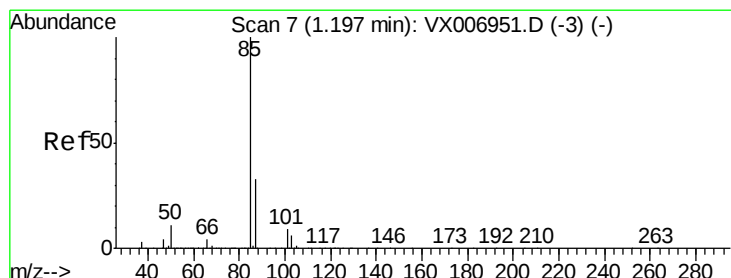
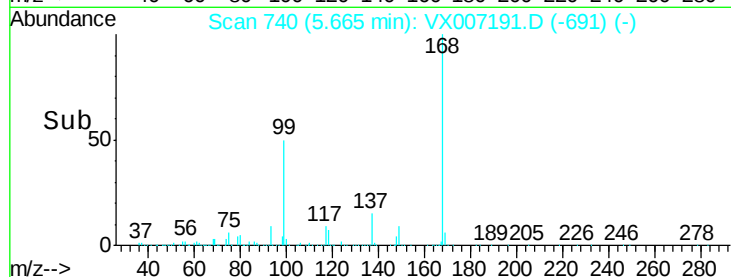
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50000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.055 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007191.D

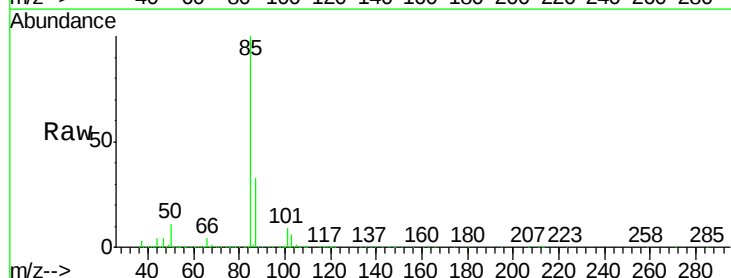
Acq: 22 Jan 2019 19:28

Tgt Ion: 85 Resp: 172442

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

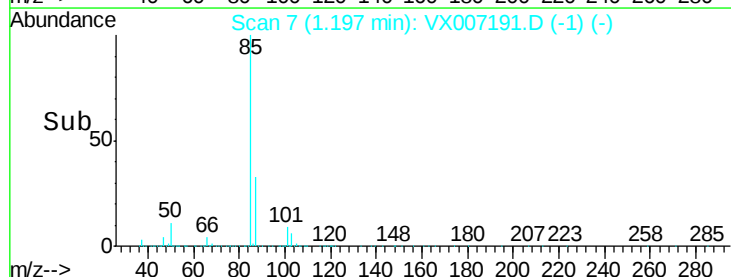
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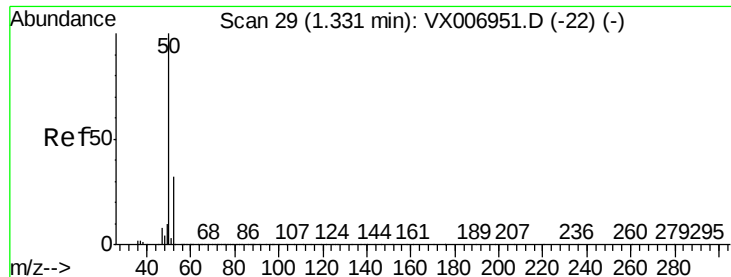
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1.15 1.20 1.25 1.30

Time-->





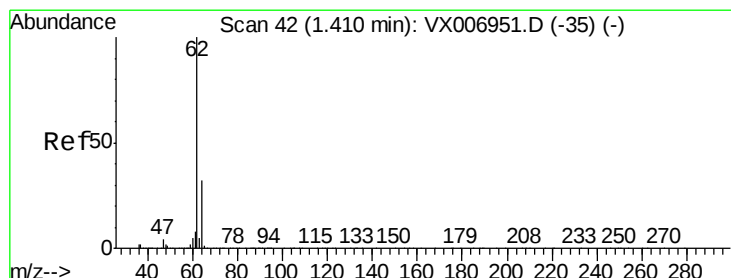
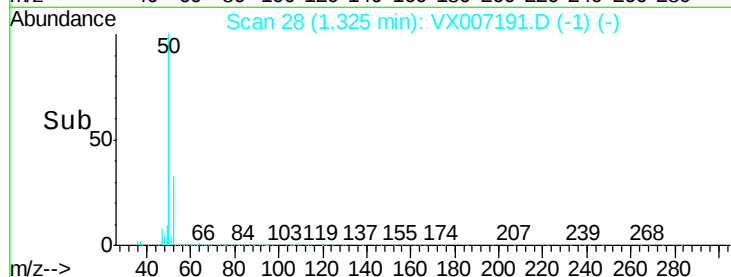
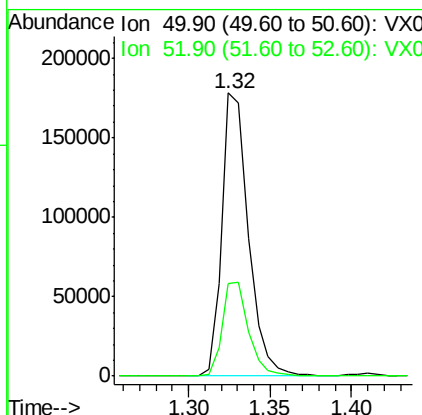
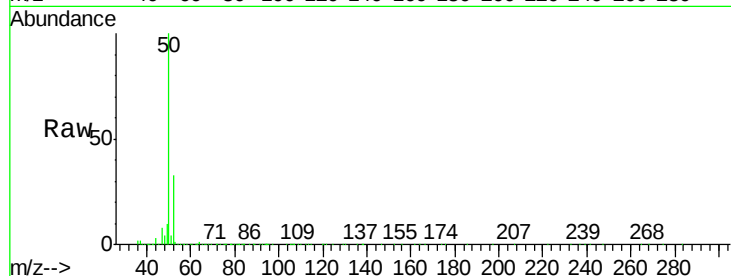
#3
Chloromethane
Concen: 47.411 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.01 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.4	38.2

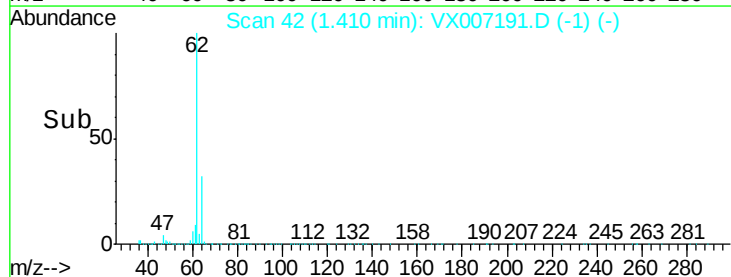
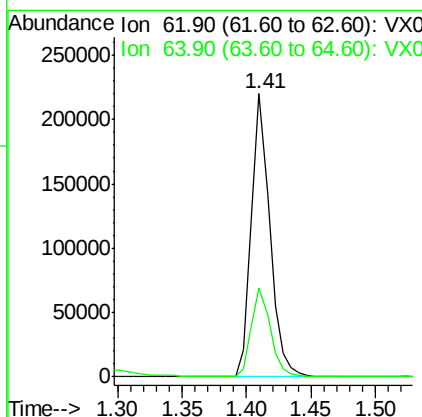
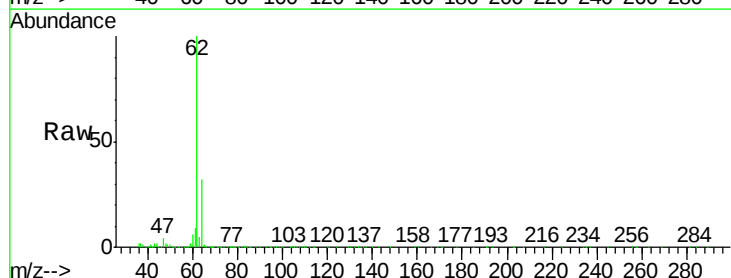
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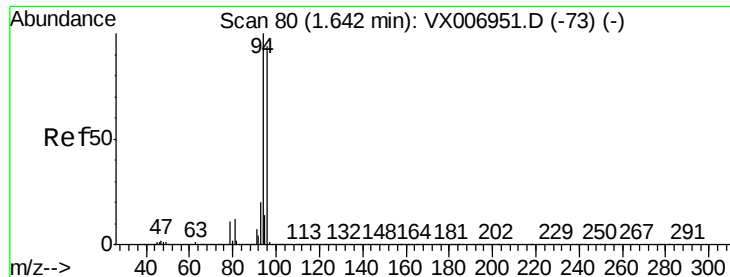
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#4
Vinyl Chloride
Concen: 47.257 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.1	37.7





#5

Bromomethane

Concen: 45.320 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 94 Resp: 222206

Ion Ratio Lower Upper

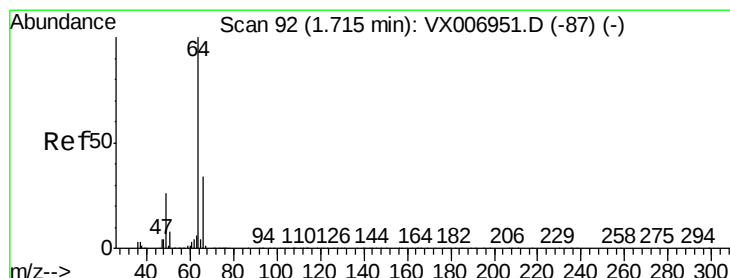
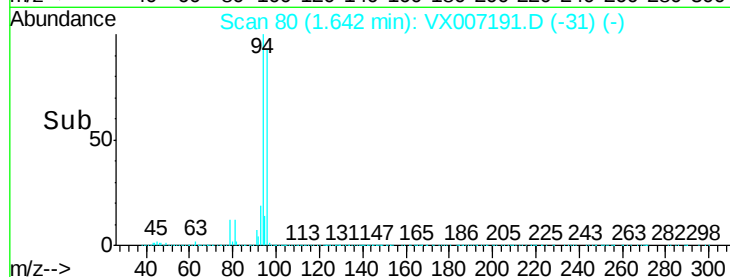
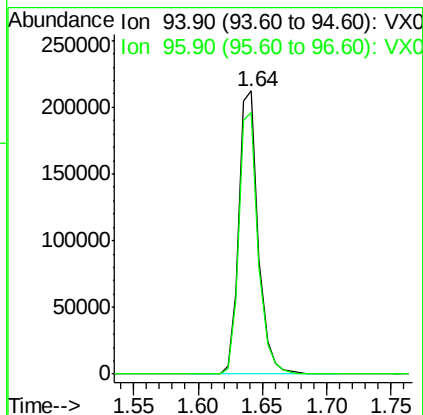
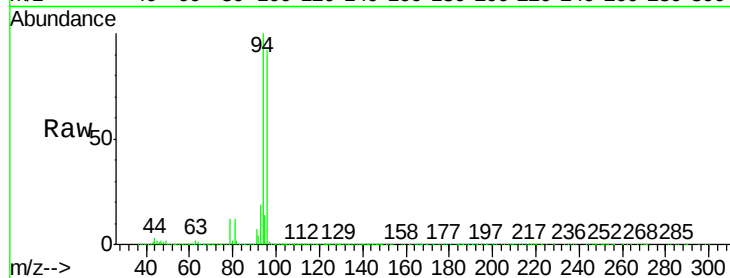
94 100

96 92.5 73.4 110.2

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1/23/2019 11:29:34 AM



#6

Chloroethane

Concen: 46.704 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX007191.D

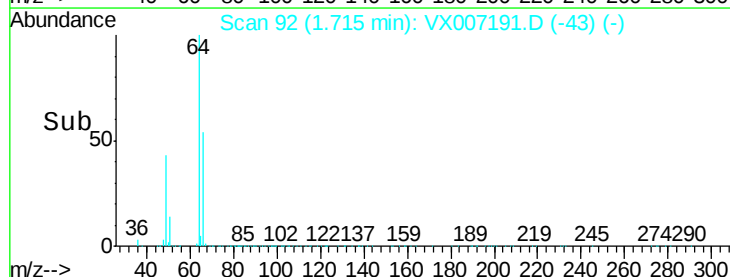
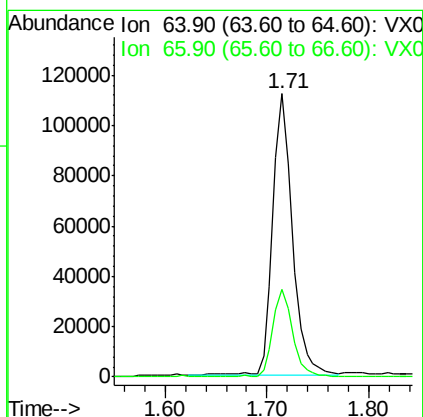
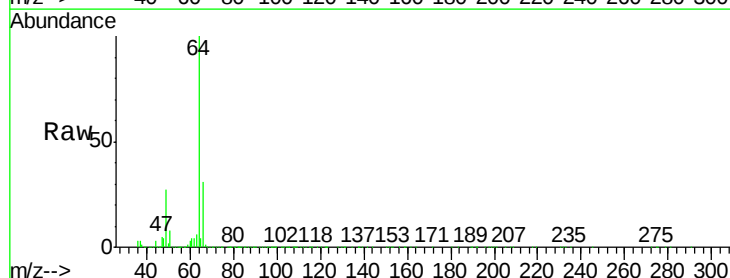
Acq: 22 Jan 2019 19:28

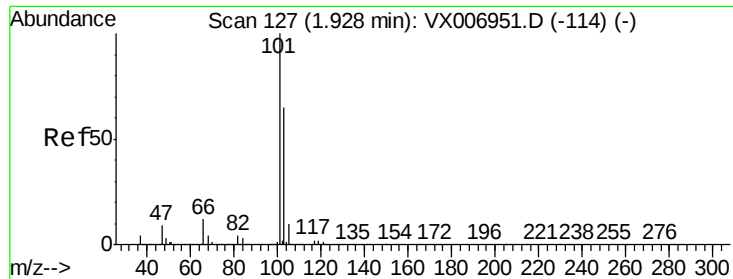
Tgt Ion: 64 Resp: 149656

Ion Ratio Lower Upper

64 100

66 31.0 26.4 39.6





#7

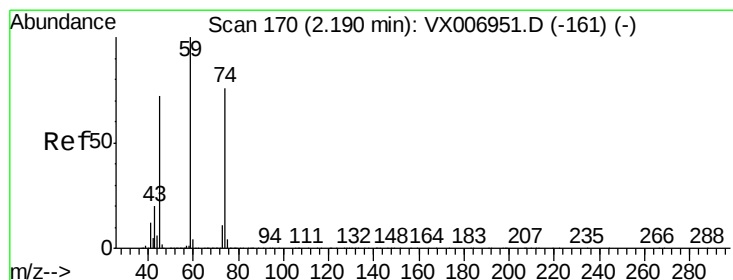
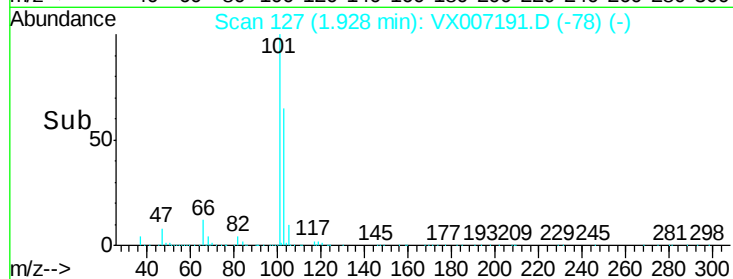
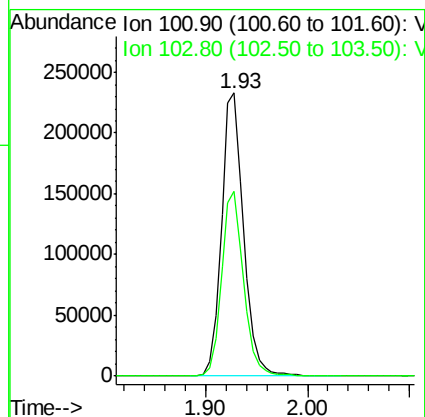
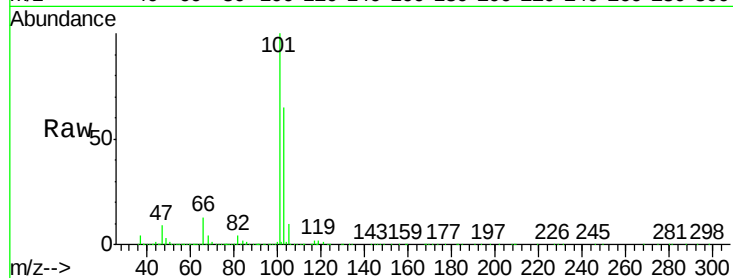
Trichlorofluoromethane
Concen: 47.483 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

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ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	53.2	79.8

Manual Integrations
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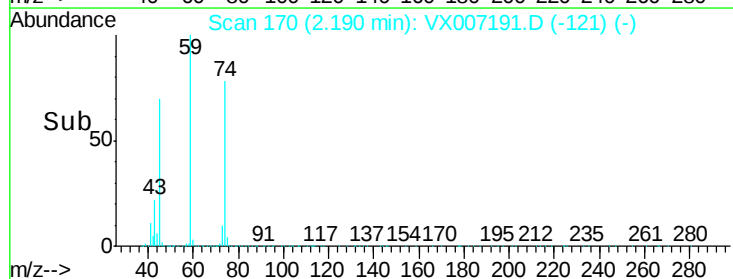
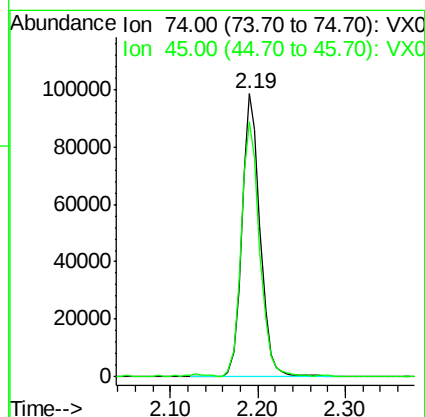
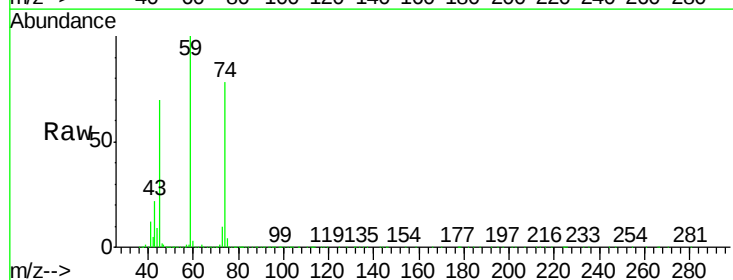
MMDadoda
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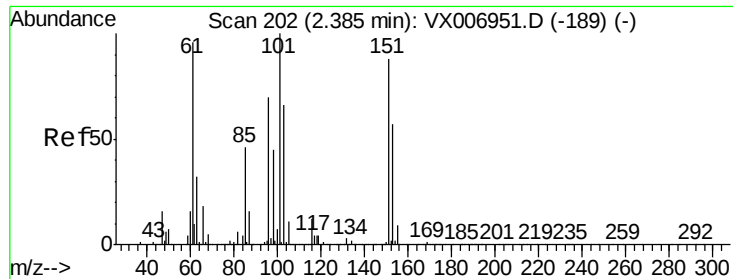


#8

Diethyl Ether
Concen: 48.143 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.3	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.012 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

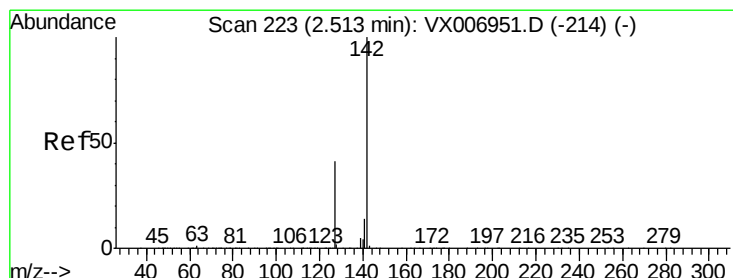
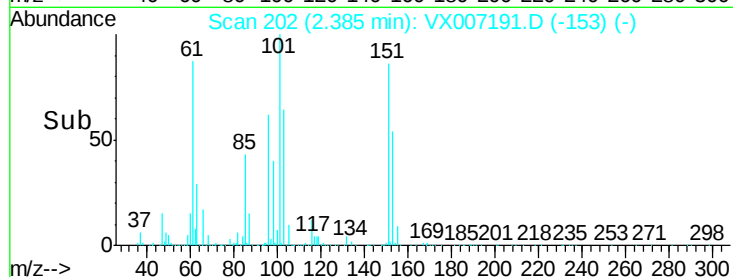
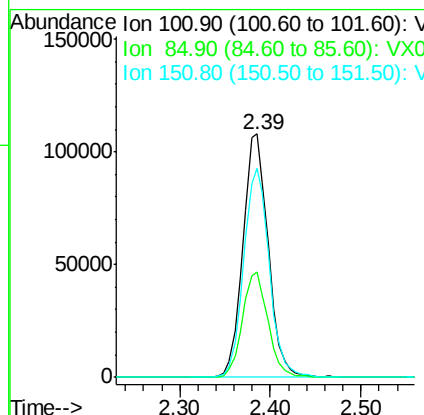
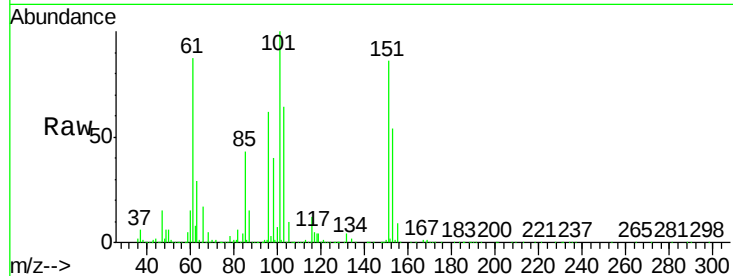
ClientSampleId :

SA-TW524-2327MS

Tot Ion:	101	Resp:	208700
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.1	52.7
151	86.5	68.9	103.3

Manual Integrations
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1/23/2019 11:29:34 AM



#10

Methyl Iodide

Concen: 54.319 ug/l

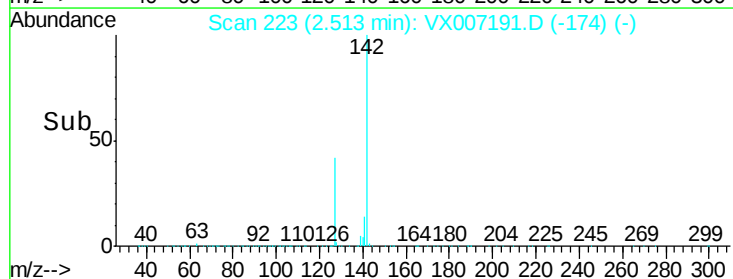
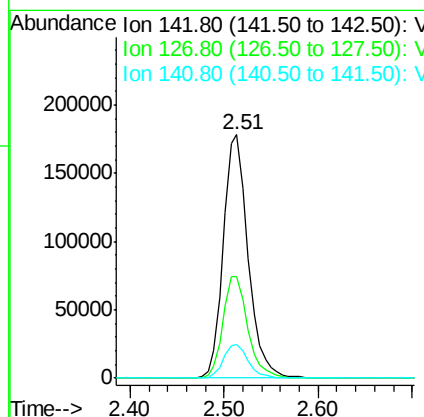
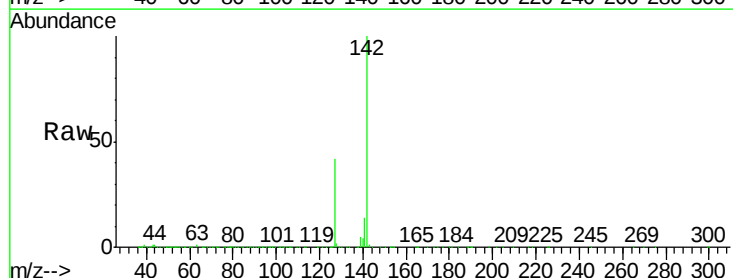
RT: 2.51 min Scan# 223

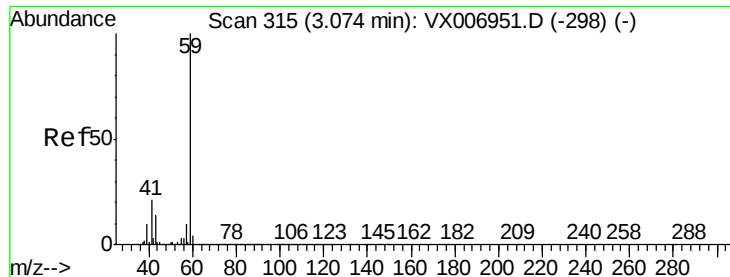
Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion:	142	Resp:	325277
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.9	50.9
141	13.9	11.4	17.0





#11

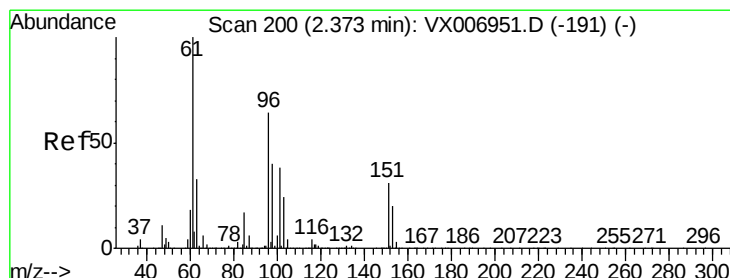
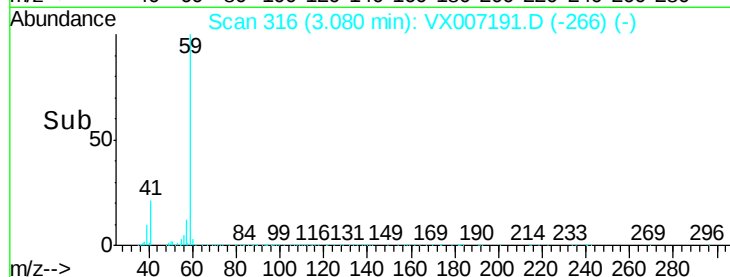
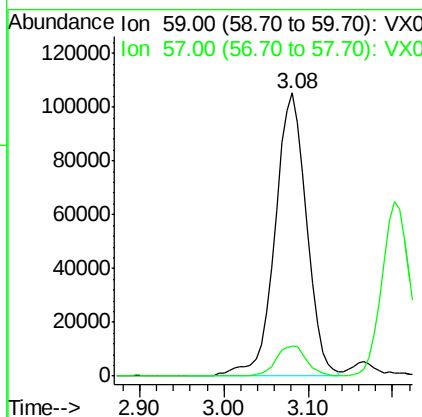
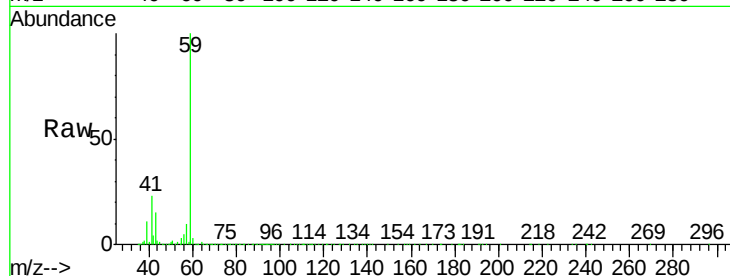
Tert butyl alcohol
Concen: 249.040 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Manual Integrations
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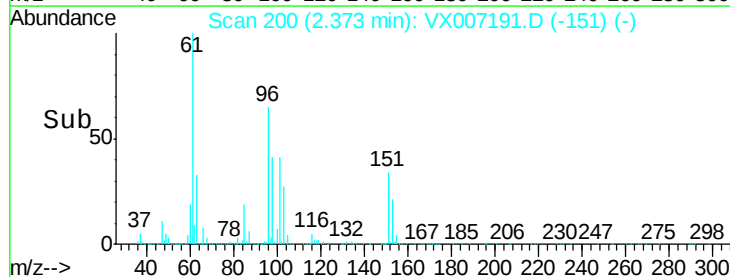
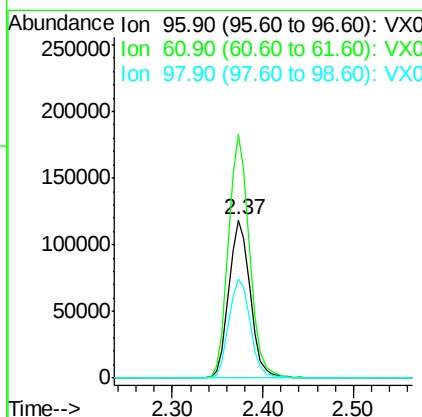
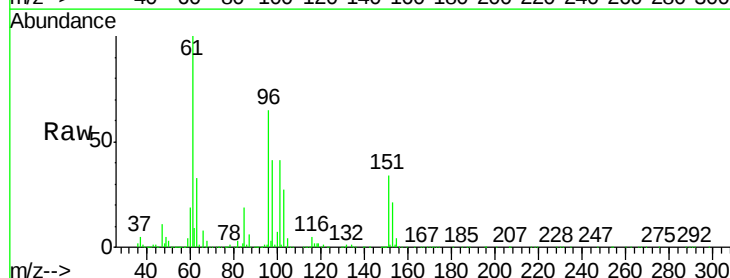
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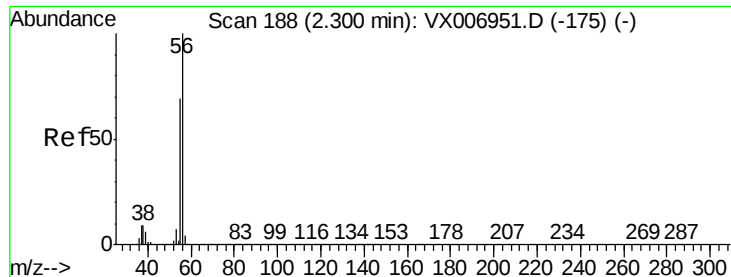


#12

1,1-Dichloroethene
Concen: 47.388 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	121.4	182.2
98	63.1	51.9	77.9





#13

Acrolein

Concen: 335.633 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 56 Resp: 159761

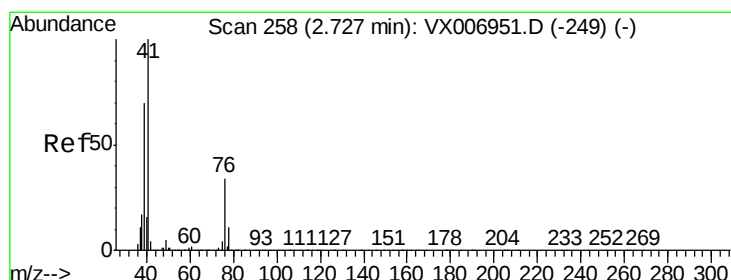
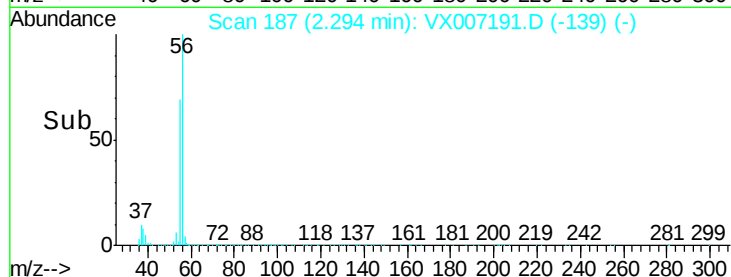
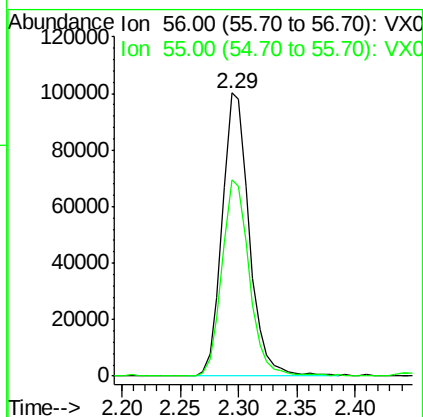
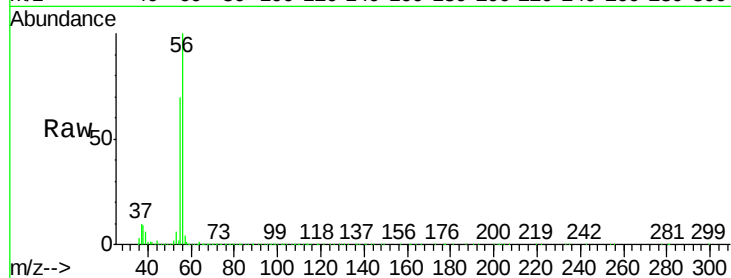
Ion Ratio Lower Upper

56 100

55 70.2 58.2 87.4

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#14

Allyl chloride

Concen: 48.423 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

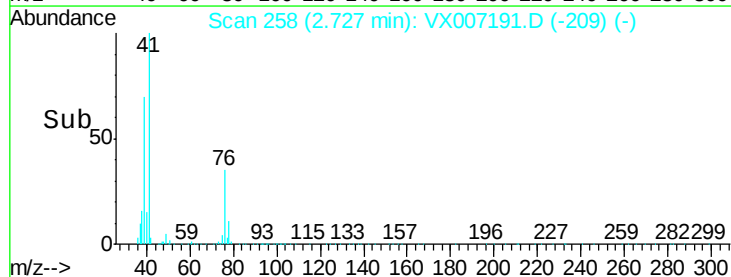
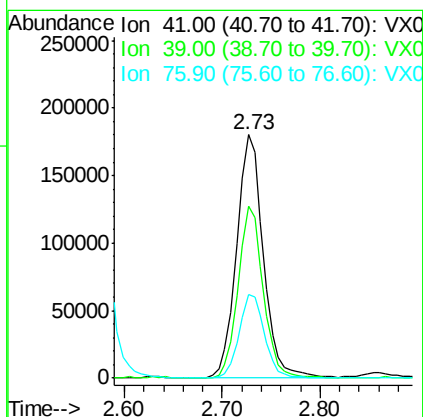
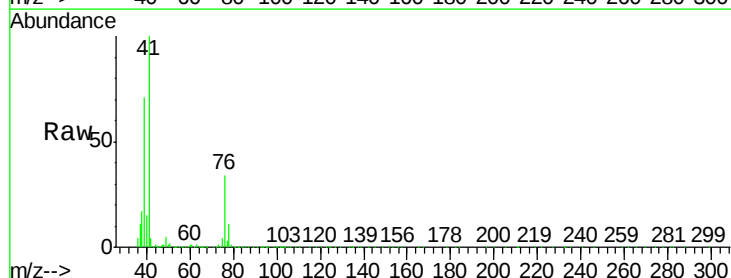
Tgt Ion: 41 Resp: 340378

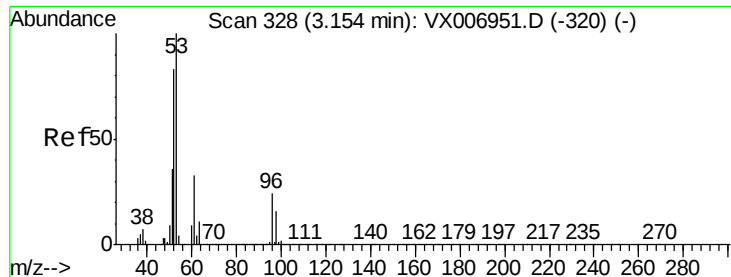
Ion Ratio Lower Upper

41 100

39 66.3 53.6 80.4

76 32.6 27.4 41.2





#15

Acrylonitrile

Concen: 252.017 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007191.D

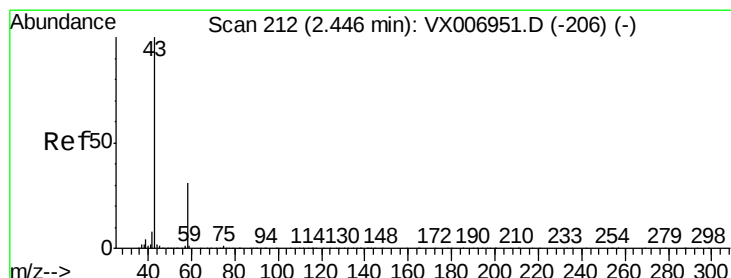
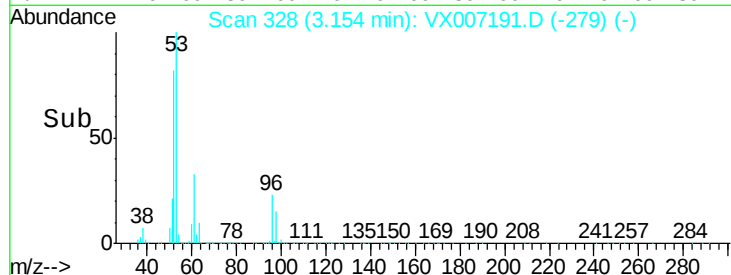
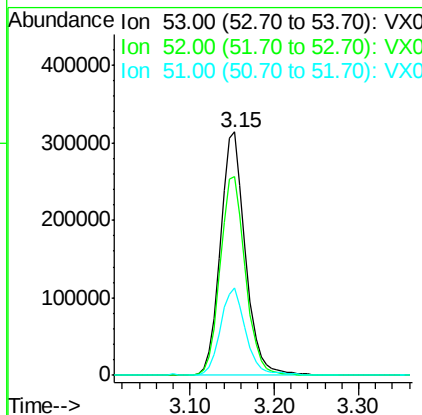
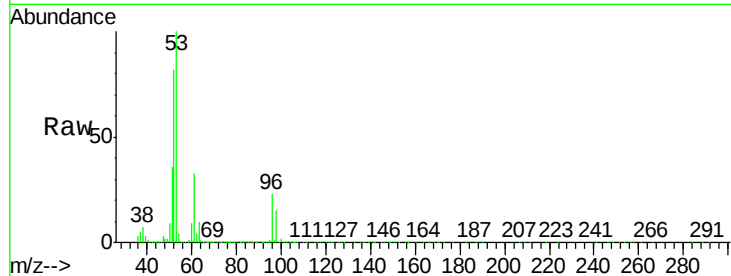
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion:	53	Resp:	636494
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.0	99.0
51	36.5	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 232.536 ug/l

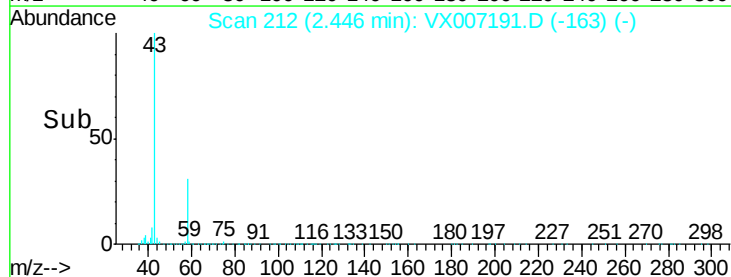
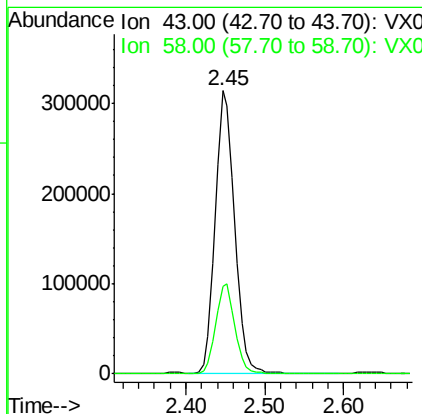
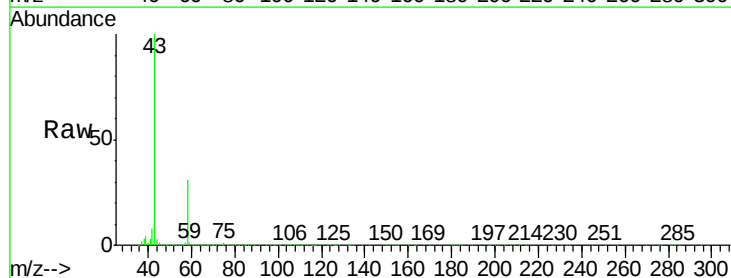
RT: 2.45 min Scan# 212

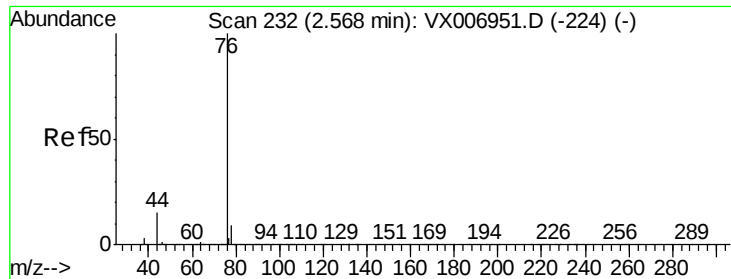
Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion:	43	Resp:	536150
Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.0	37.6





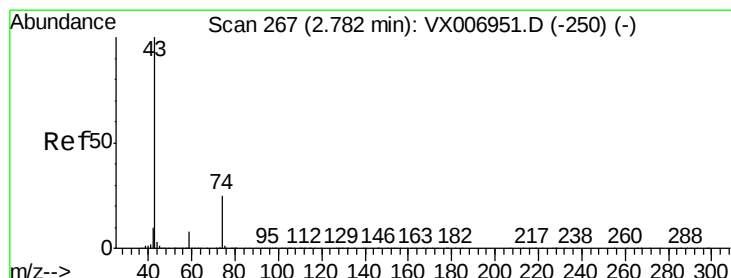
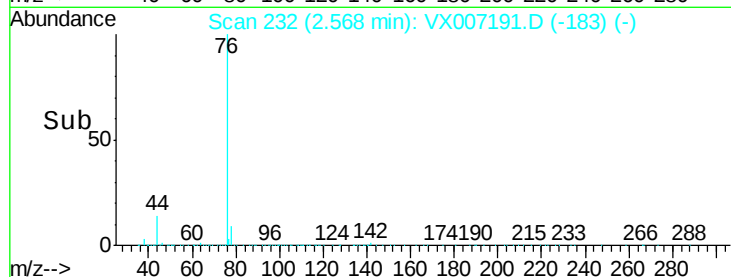
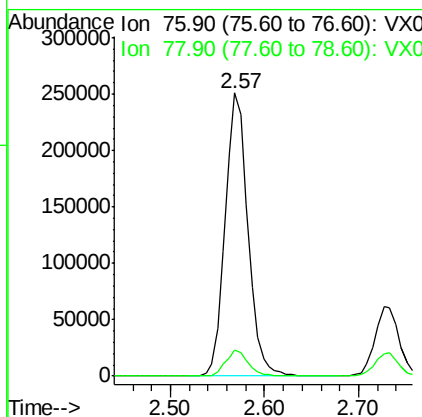
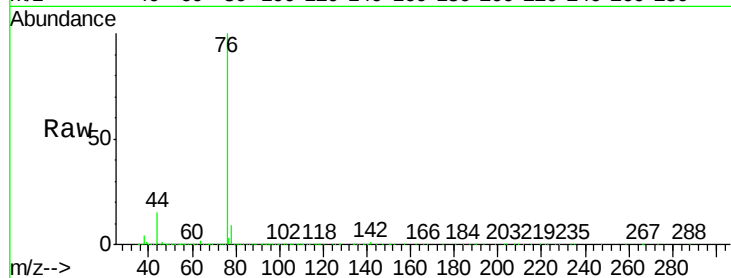
#17
Carbon Disulfide
Concen: 39.894 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

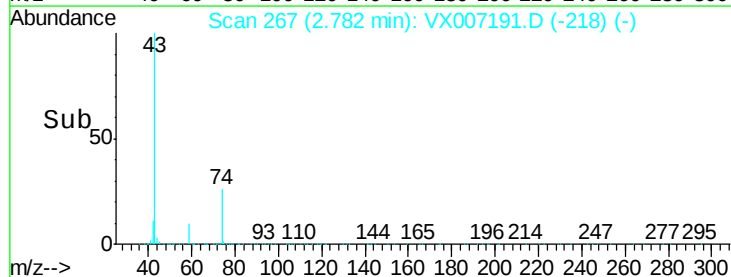
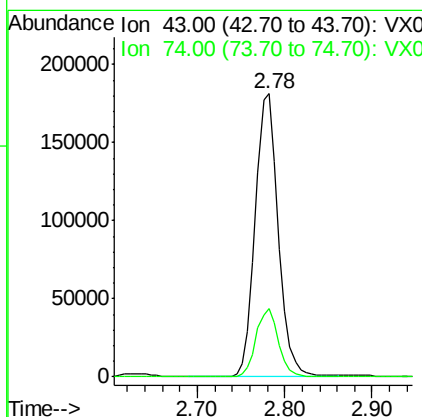
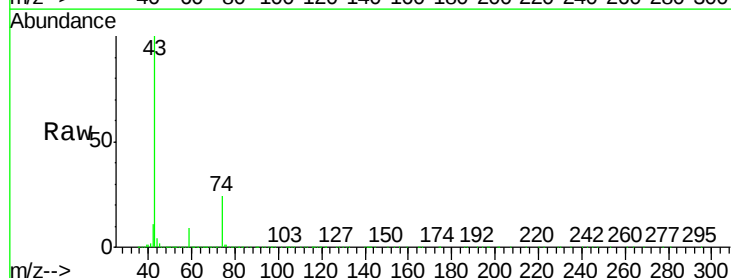
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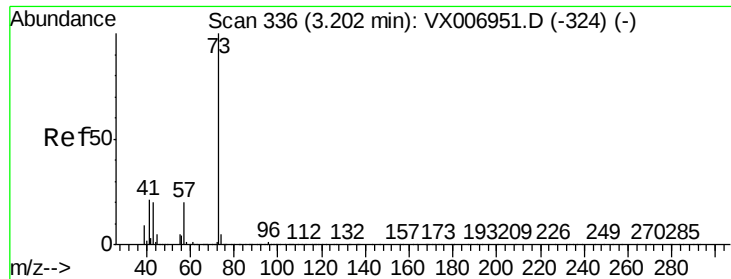
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#18
Methyl Acetate
Concen: 49.466 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.6	28.0





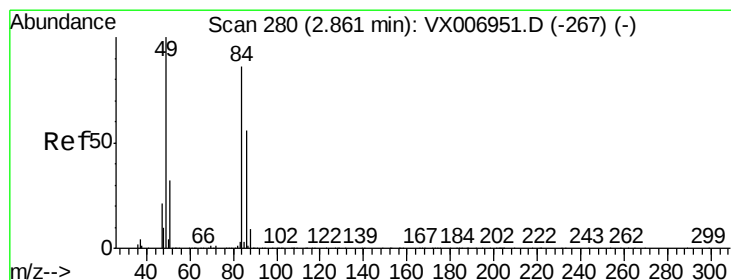
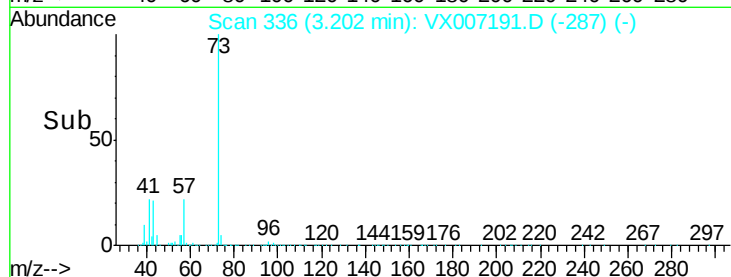
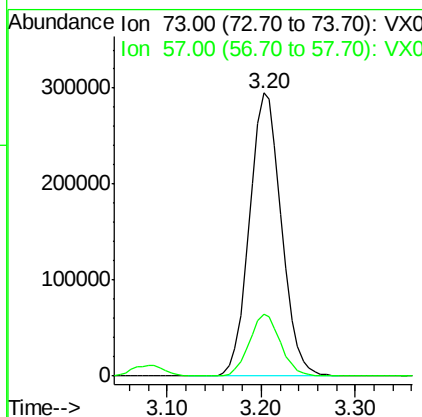
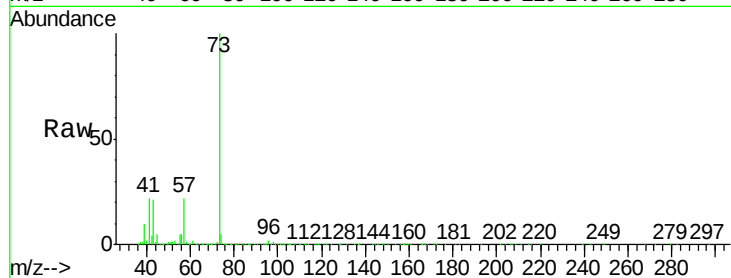
#19
Methvl tert-butvl Ether
Concen: 49.426 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	16.8	25.2

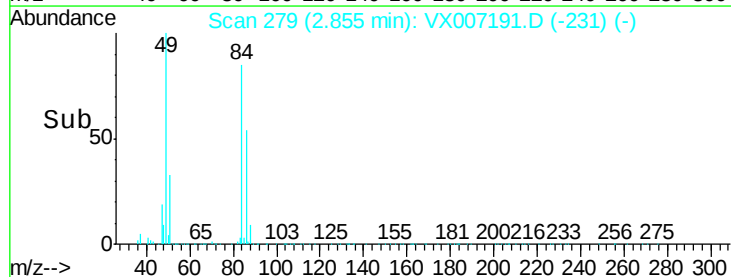
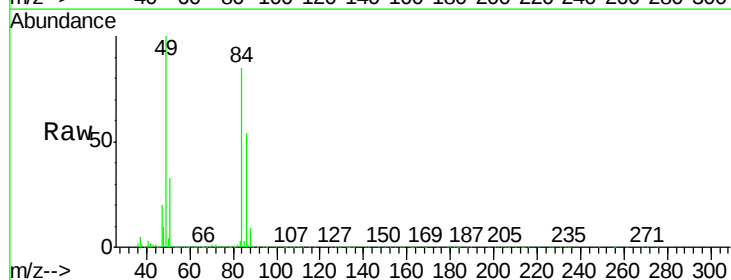
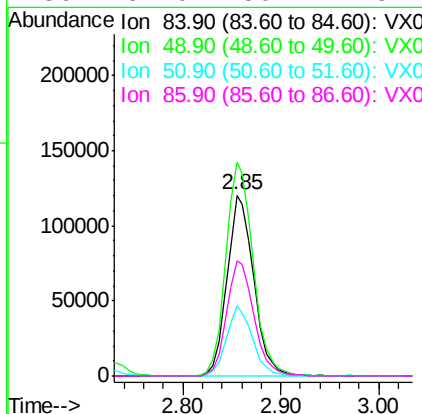
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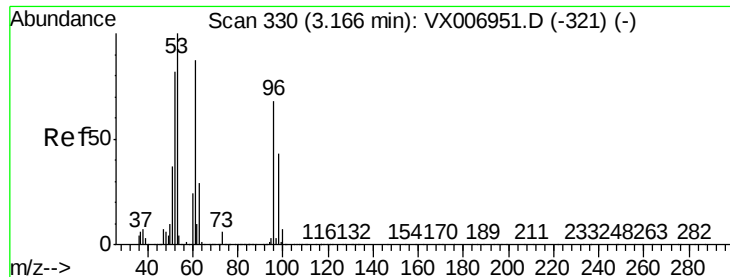
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#20
Methylene Chloride
Concen: 51.760 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	91.8	137.6
51	38.7	28.5	42.7
86	64.0	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 45.250 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

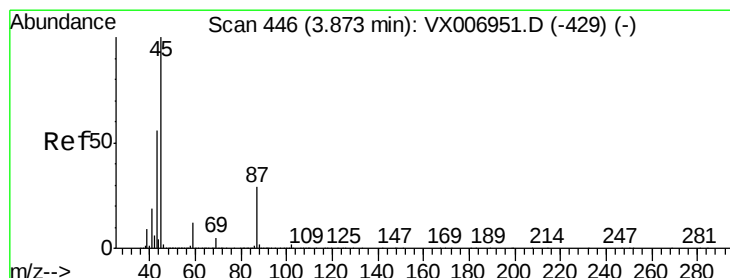
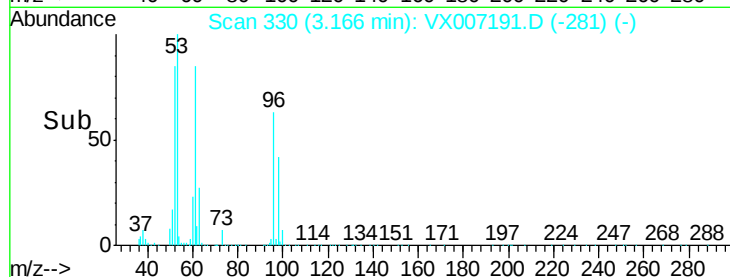
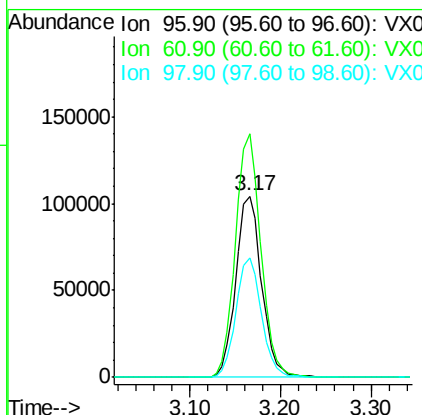
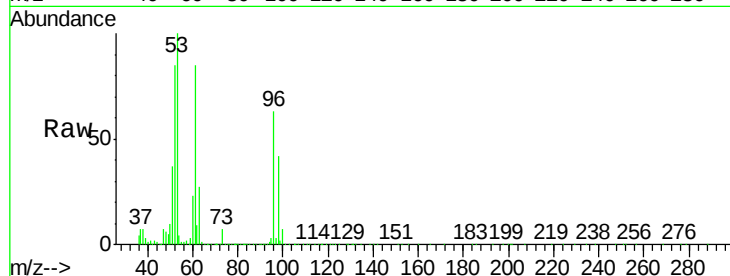
ClientSampleId :

SA-TW524-2327MS

Tot Ion:	96	Resp:	206826
Ion Ratio	Lower	Upper	
96	100		
61	133.9	103.7	155.5
98	65.8	51.0	76.6

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#22

Diisopropyl ether

Concen: 49.608 ug/l

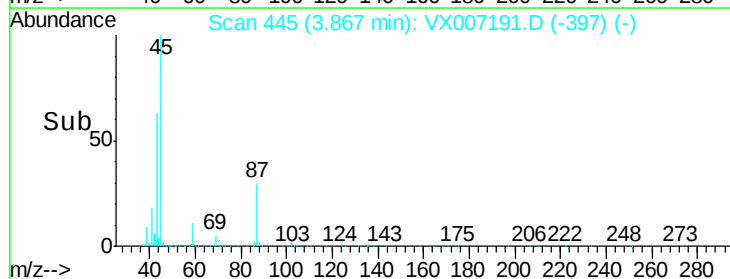
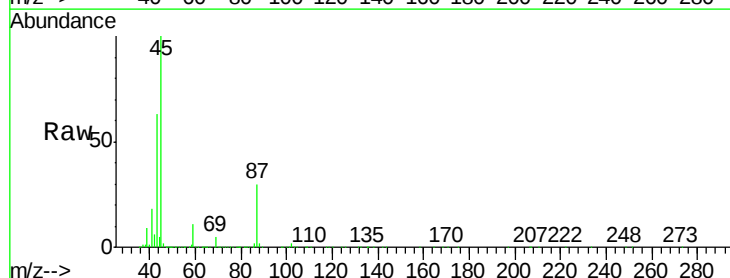
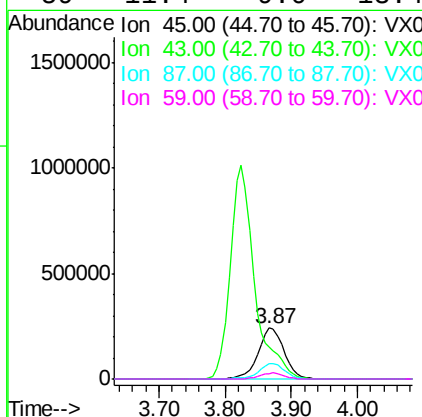
RT: 3.87 min Scan# 445

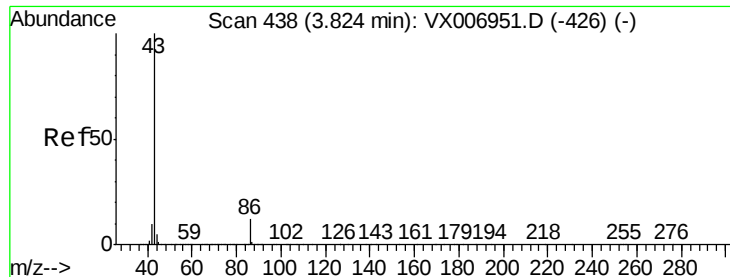
Delta R.T. -0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion:	45	Resp:	655560
Ion Ratio	Lower	Upper	
45	100		
43	62.9	51.2	76.8
87	30.4	25.8	38.6
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 232.000 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 43 Resp: 2585503

Ion Ratio Lower Upper

43 100

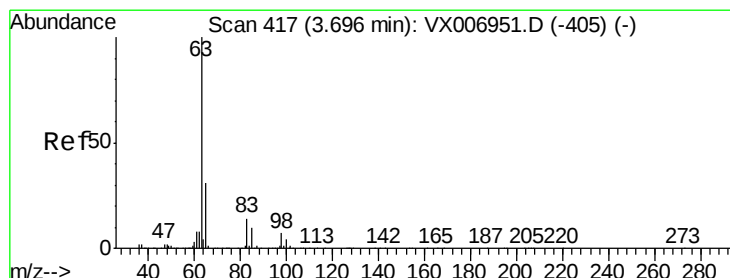
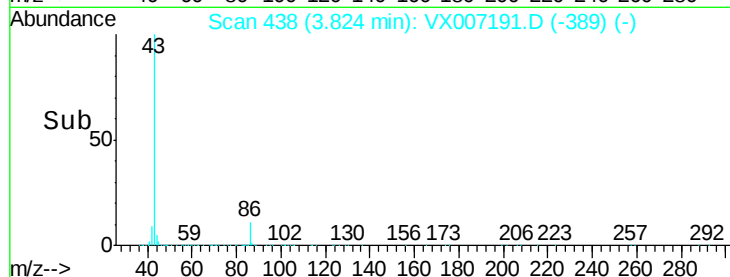
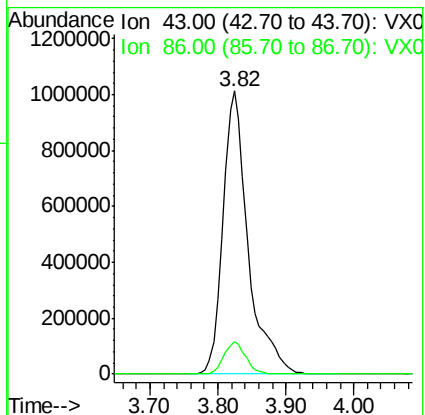
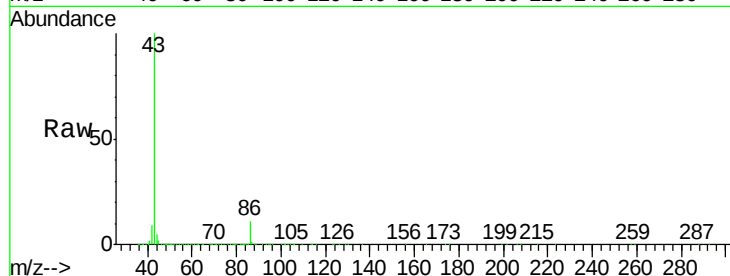
86 11.3 9.2 13.8

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1/23/2019 11:29:34 AM



#24

1,1-Dichloroethane

Concen: 49.071 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

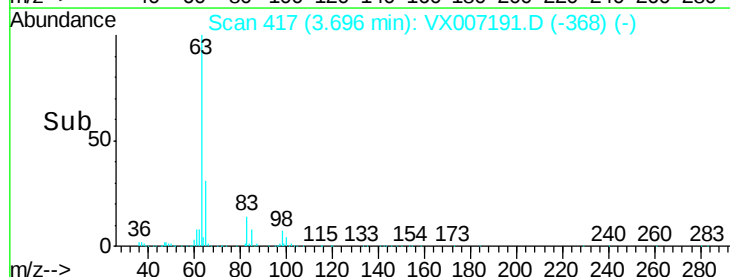
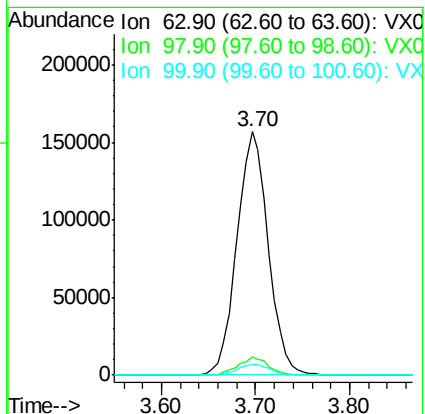
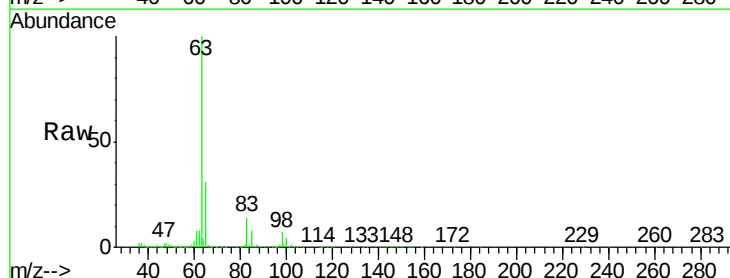
Tgt Ion: 63 Resp: 362597

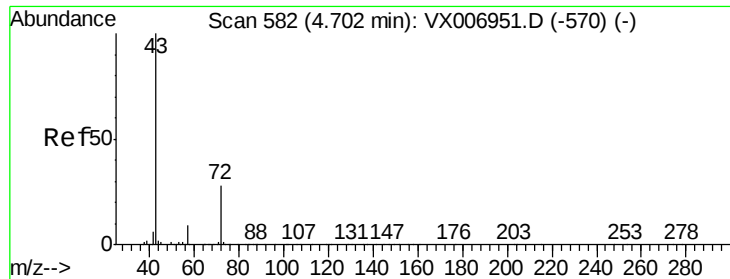
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 4.1 2.4 7.2





#25

2-Butanone

Concen: 249.223 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 43 Resp: 822205

Ion Ratio Lower Upper

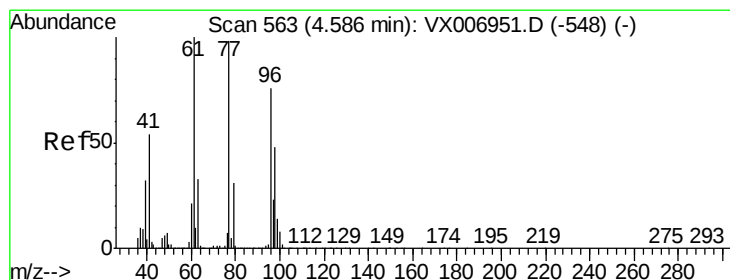
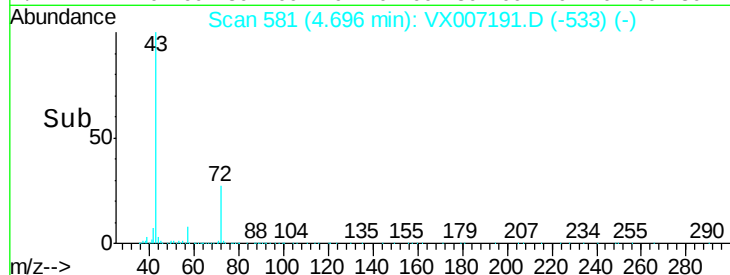
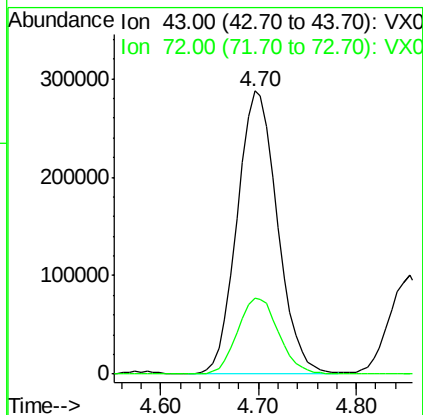
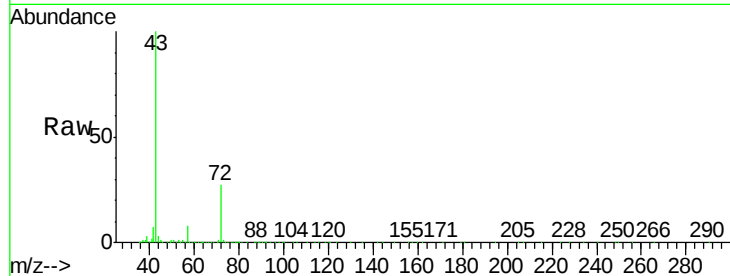
43 100

72 26.8 22.4 33.6

Manual Integrations
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1/23/2019 11:29:34 AM



#26

2,2-Dichloropropane

Concen: 42.207 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007191.D

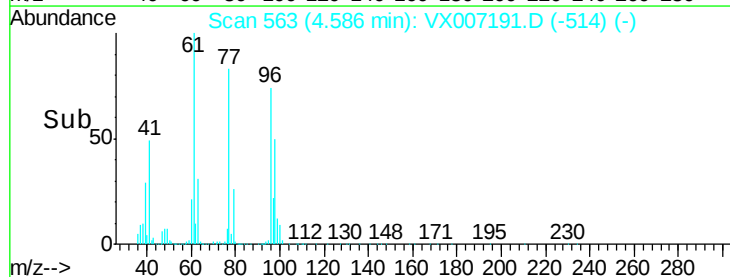
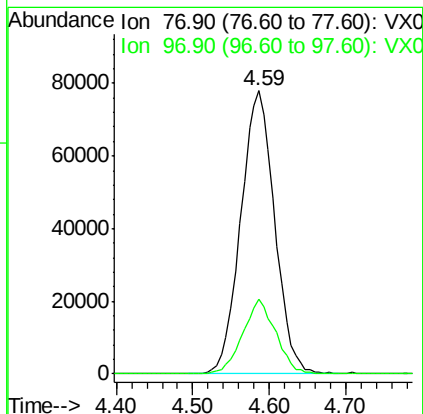
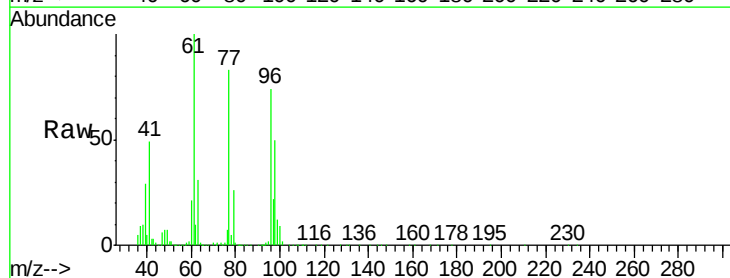
Acq: 22 Jan 2019 19:28

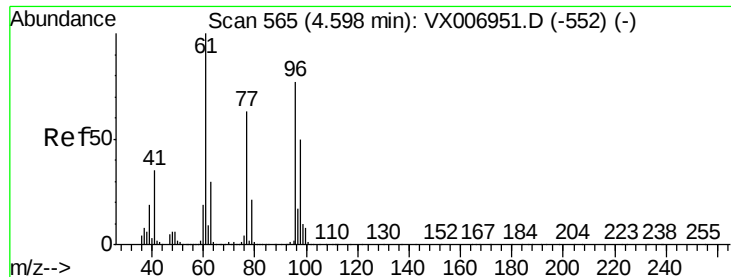
Tgt Ion: 77 Resp: 239823

Ion Ratio Lower Upper

77 100

97 25.7 12.4 37.4





#27

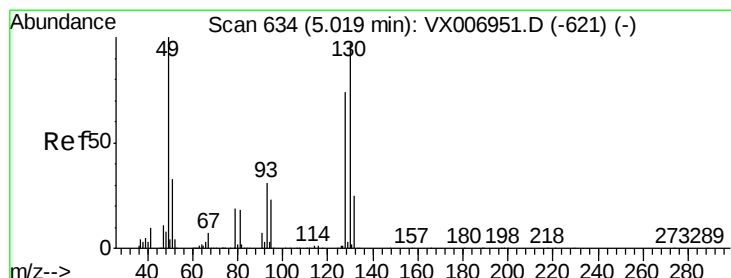
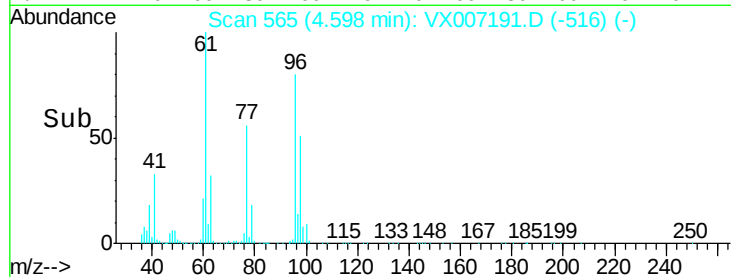
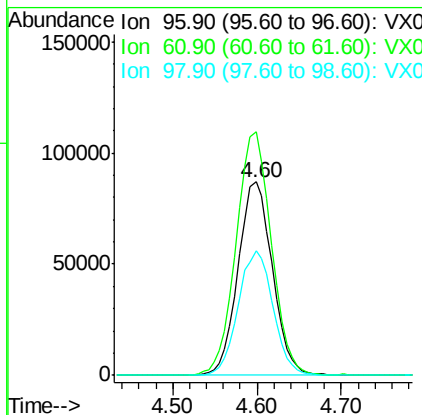
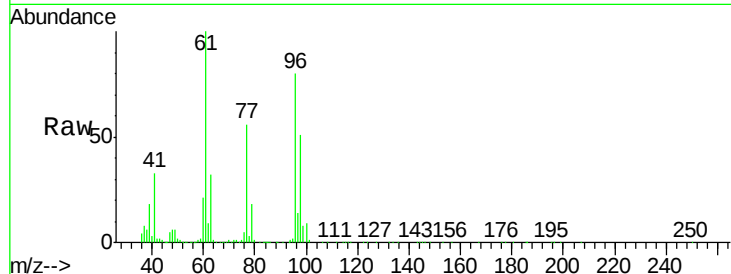
cis-1,2-Dichloroethene
Concen: 47.711 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	240537		
61	129.0	0.0	258.6	
98	65.5	0.0	132.0	

Manual Integrations
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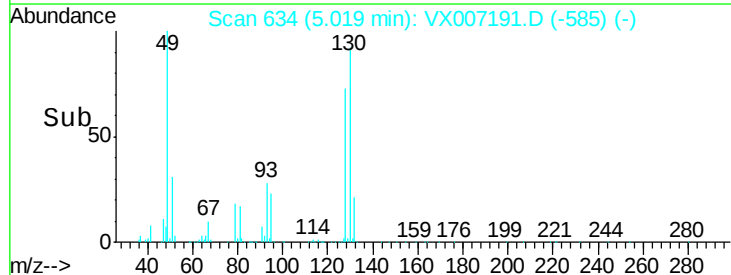
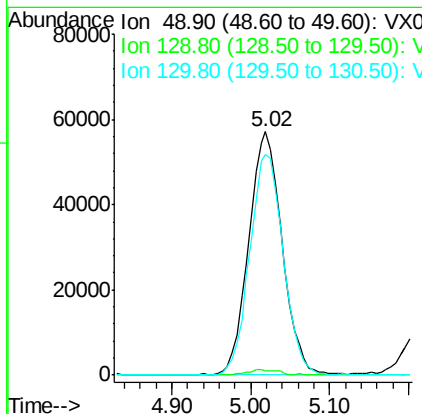
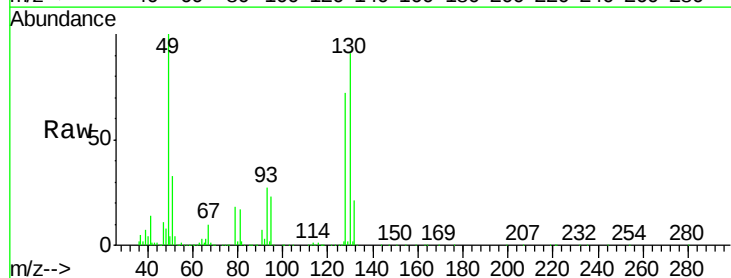
MMDadoda
1/23/2019 11:29:34 AM

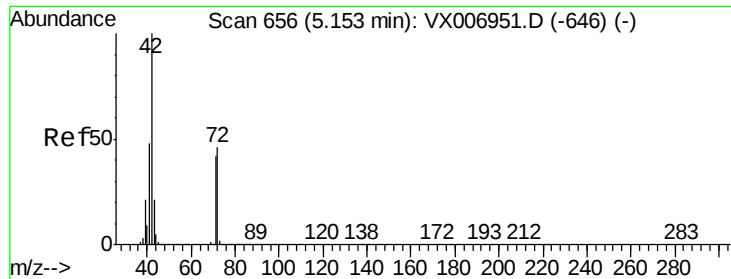


#28

Bromochloromethane
Concen: 51.664 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167262		
129	2.3	0.0	5.4	
130	91.9	77.7	116.5	





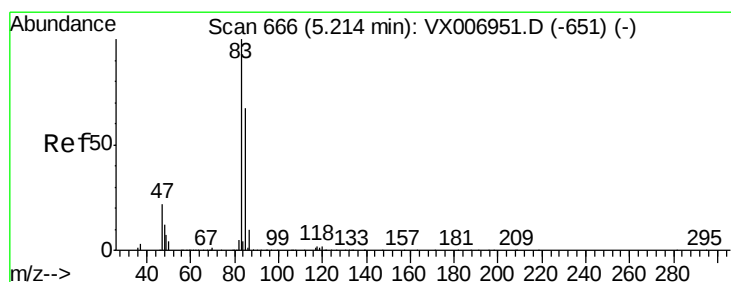
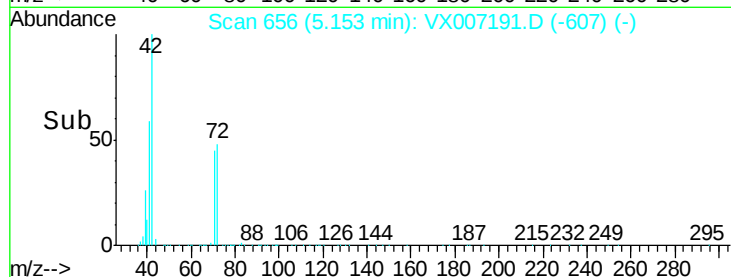
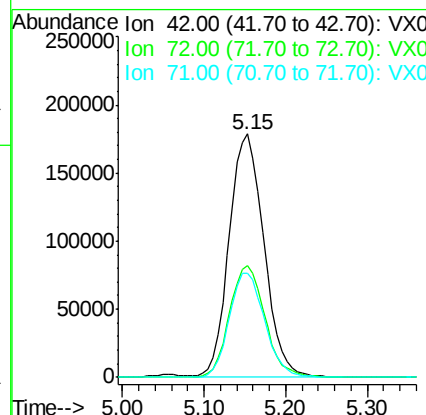
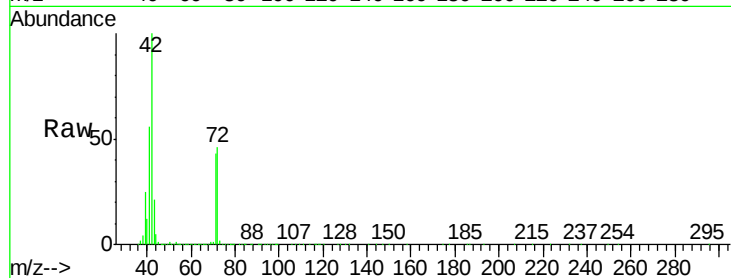
#29
Tetrahydrofuran
Concen: 244.814 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.9	58.3
71	43.7	36.2	54.4

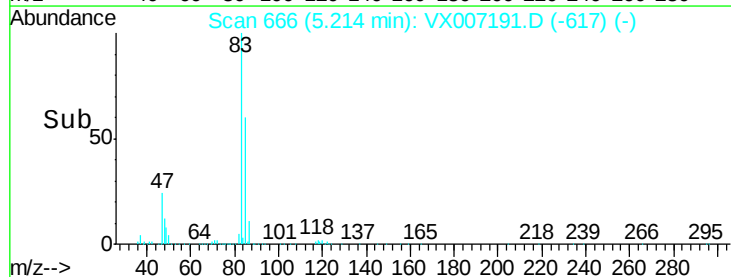
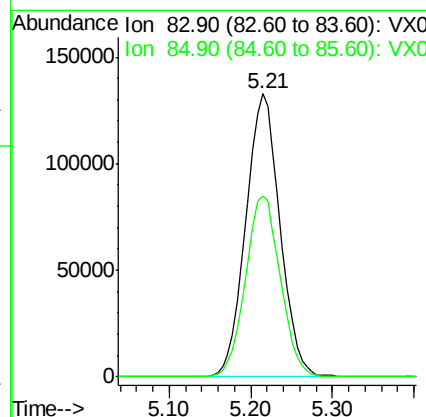
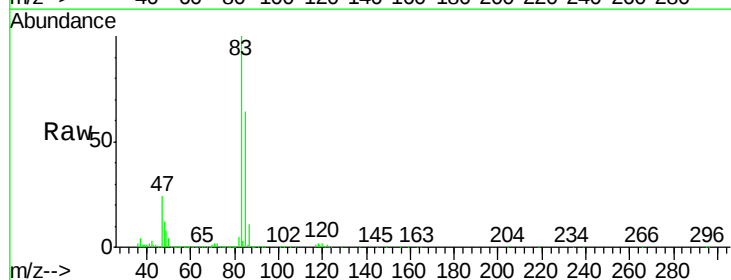
Manual Integrations
APPROVED

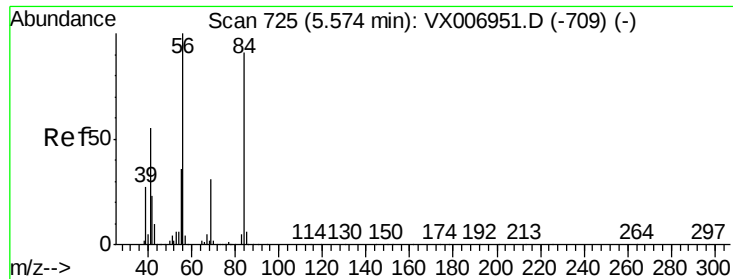
MMDadoda
1/23/2019 11:29:34 AM



#30
Chloroform
Concen: 50.048 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8





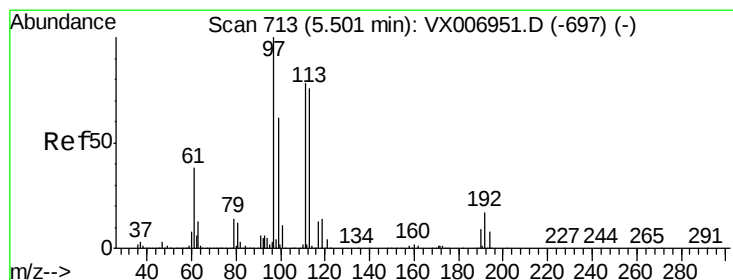
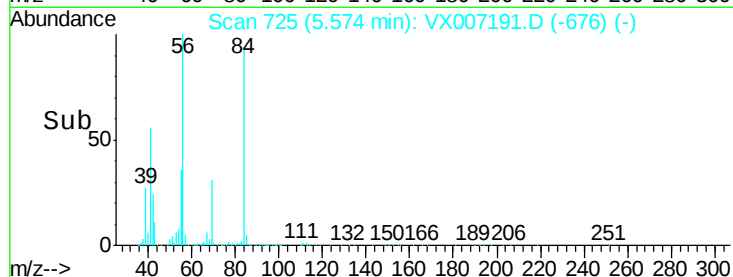
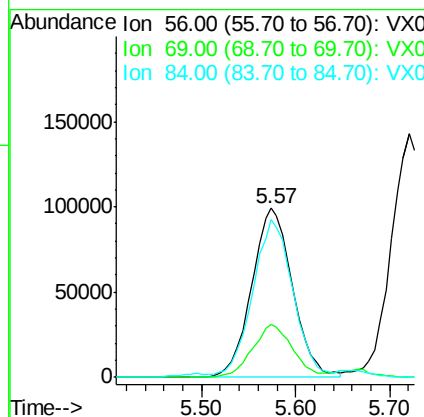
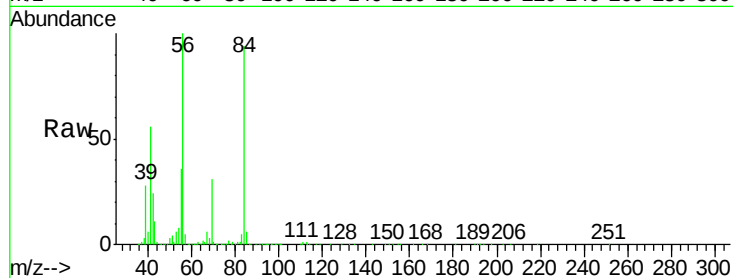
#31
Cyclohexane
Concen: 45.580 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.4	36.6
84	91.8	70.0	105.0

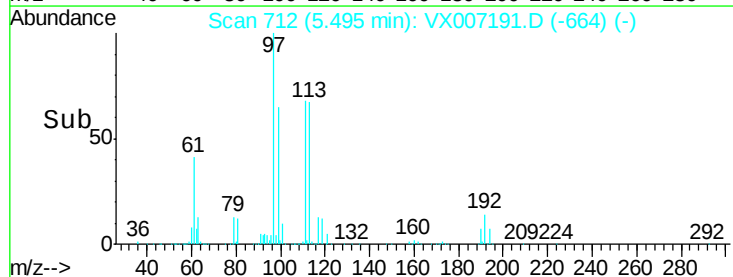
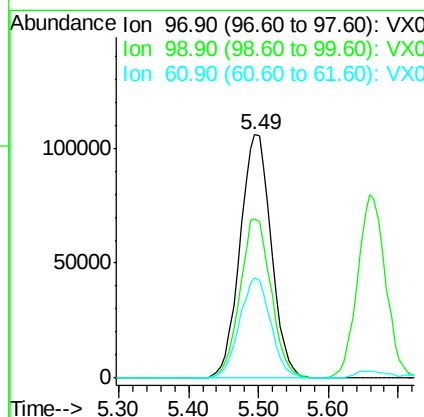
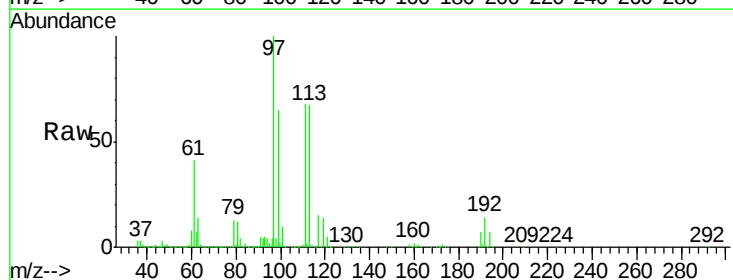
Manual Integrations
APPROVED

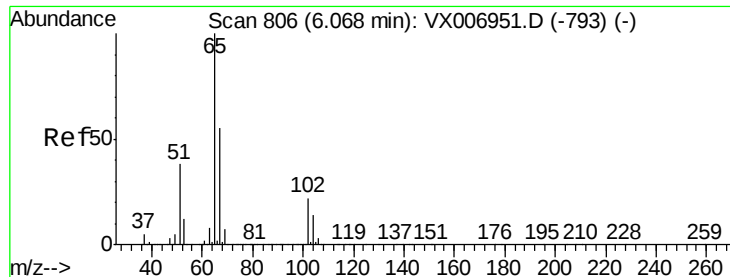
MMDadoda
1/23/2019 11:29:34 AM



#32
1,1,1-Trichloroethane
Concen: 49.885 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.7	77.5
61	41.1	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 51.446 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 65 Resp: 239937

Ion Ratio Lower Upper

65 100

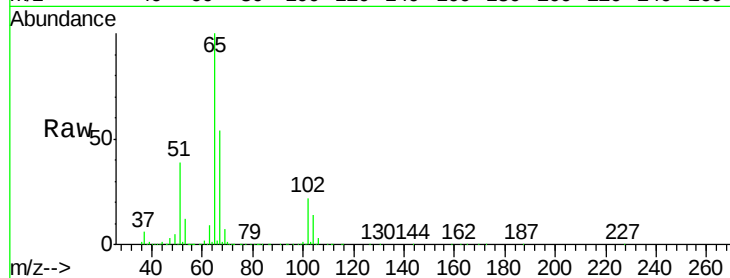
67 53.6 0.0 105.0

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

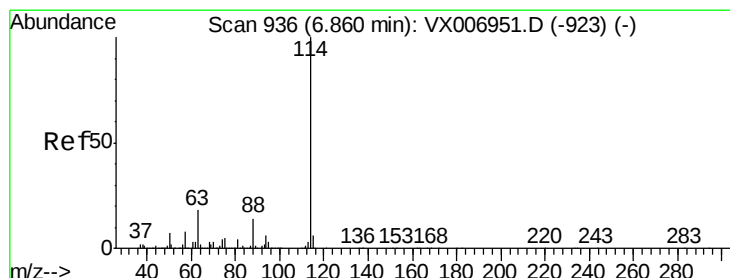
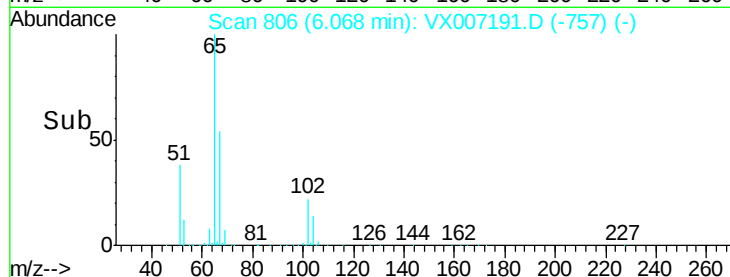
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

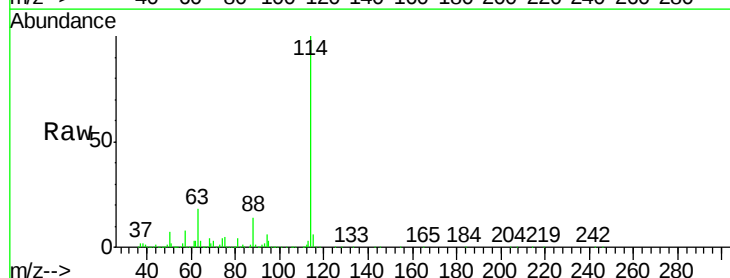
Tgt Ion: 114 Resp: 663951

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.8

88 14.2 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

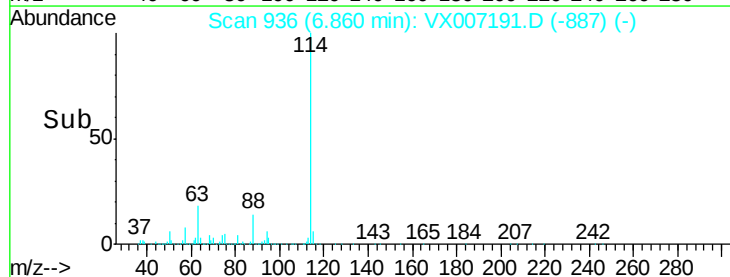
300000

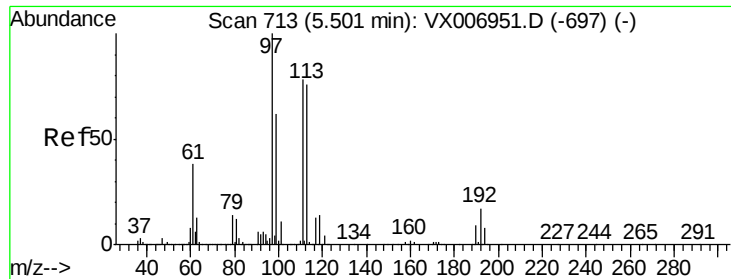
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 52.140 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

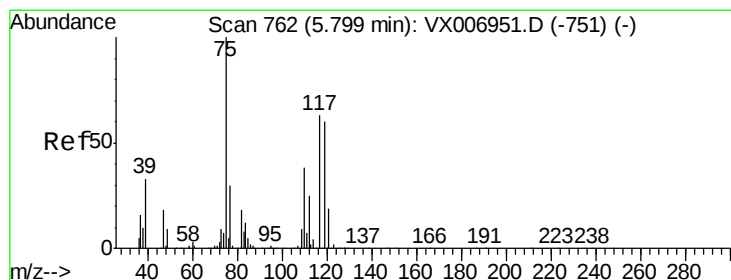
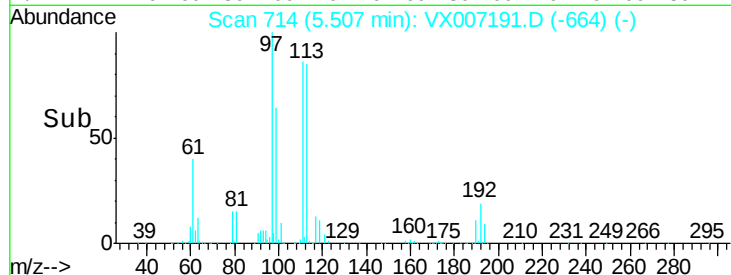
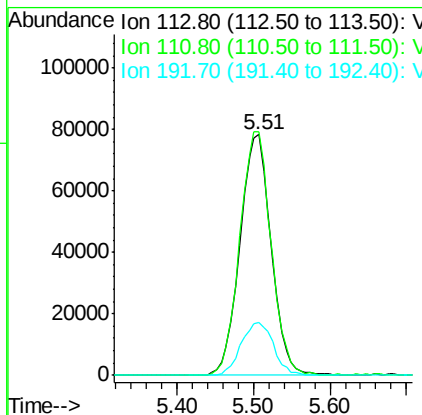
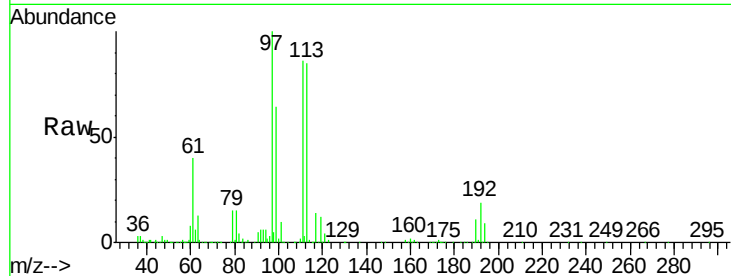
ClientSampleId :

SA-TW524-2327MS

Tot Ion:	113	Resp:	221694
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.6	122.4
192	22.8	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.360 ug/l

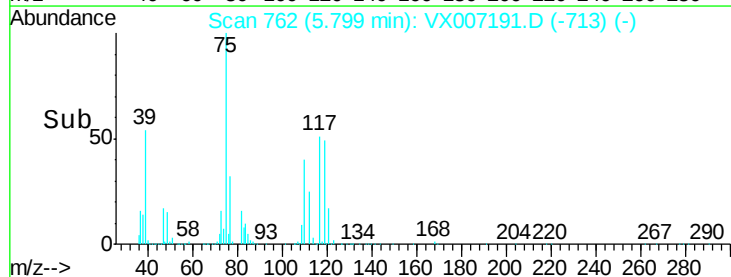
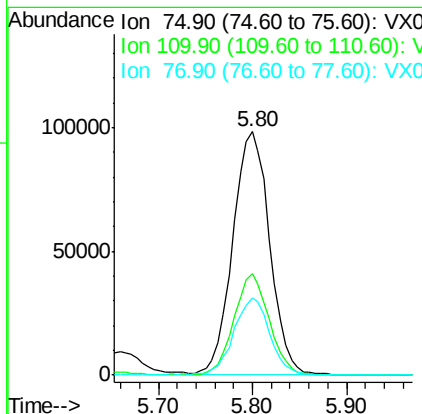
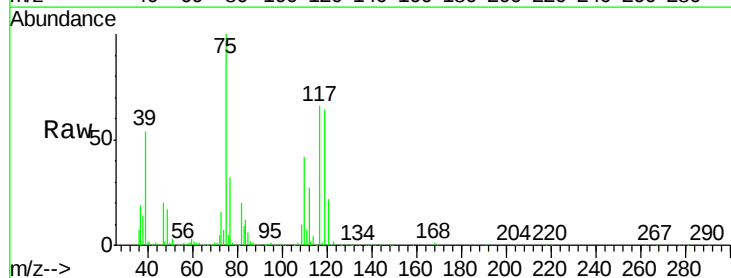
RT: 5.80 min Scan# 762

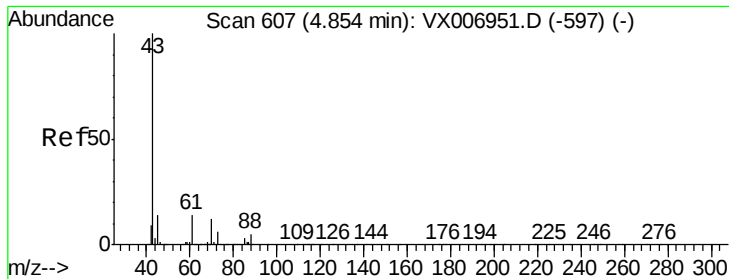
Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion:	75	Resp:	267612
Ion Ratio	Lower	Upper	
75	100		
110	40.2	20.2	60.5
77	30.9	24.8	37.2





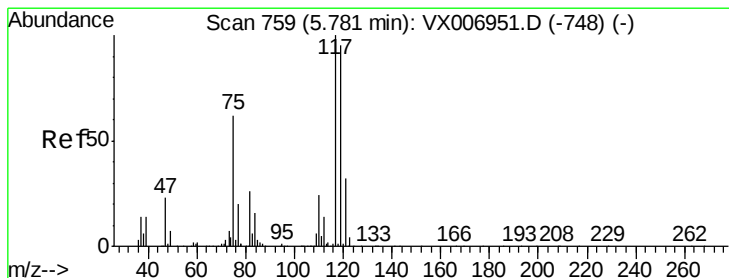
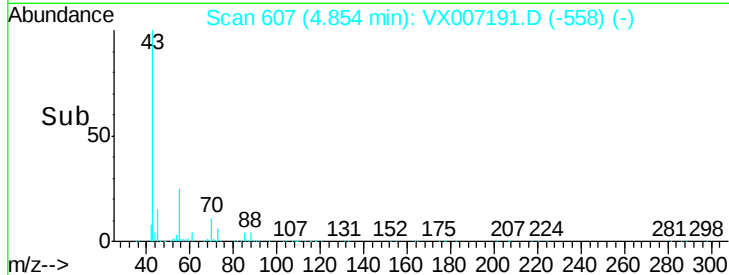
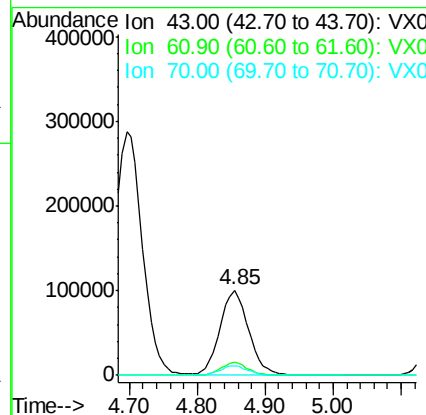
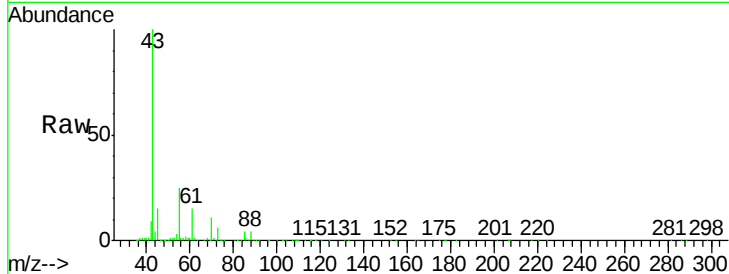
#37
Ethyl Acetate
Concen: 47.300 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	11.0	9.7	14.5

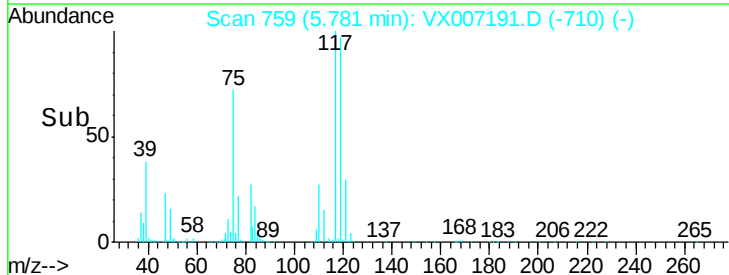
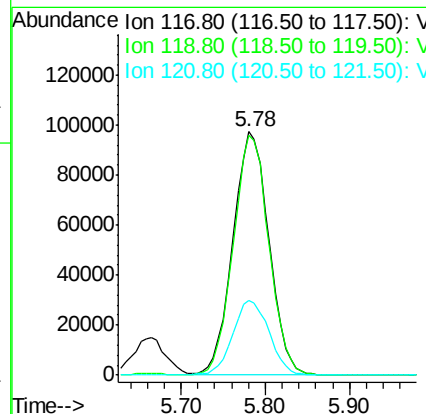
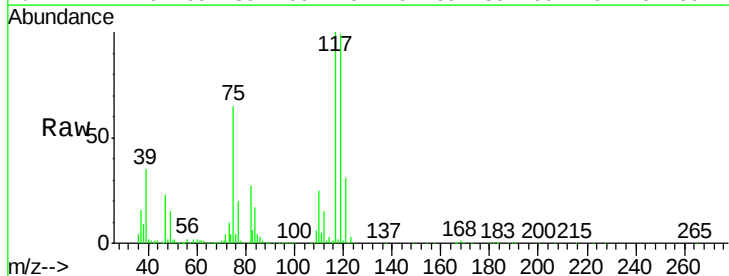
Manual Integrations
APPROVED

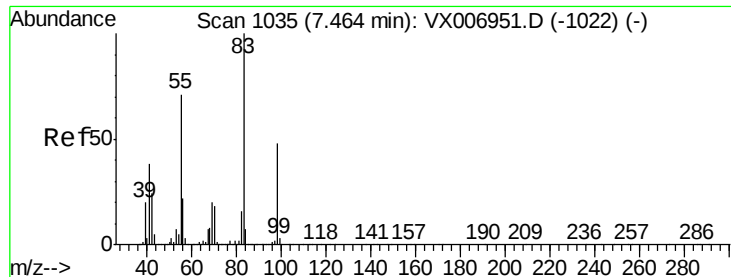
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1/23/2019 11:29:34 AM



#38
Carbon Tetrachloride
Concen: 48.459 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	79.4	119.2
121	30.6	24.0	36.0





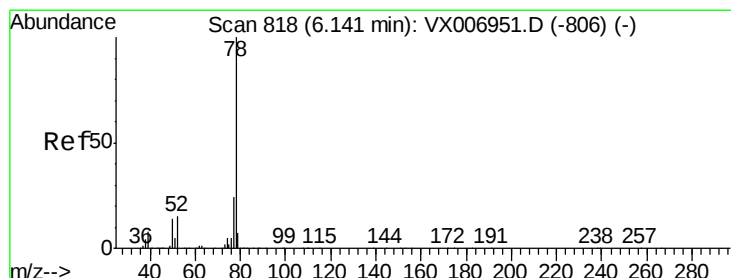
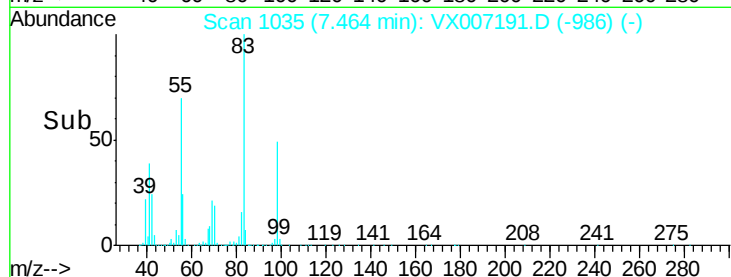
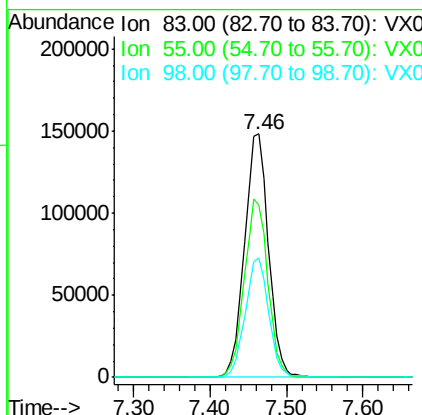
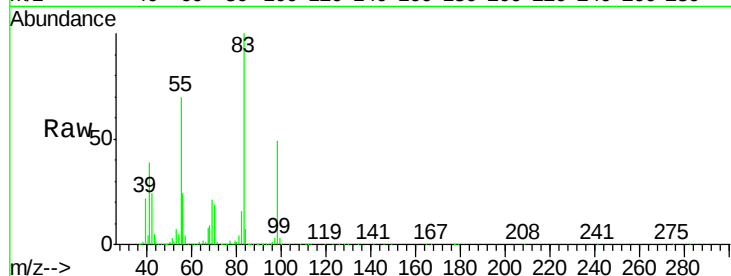
#39
Methvlcvclohexane
Concen: 43.860 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.5	54.9	82.3
98	49.2	37.9	56.9

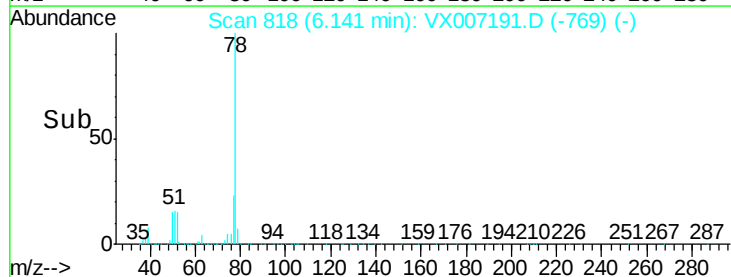
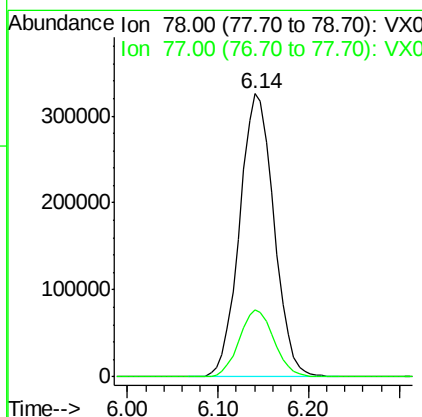
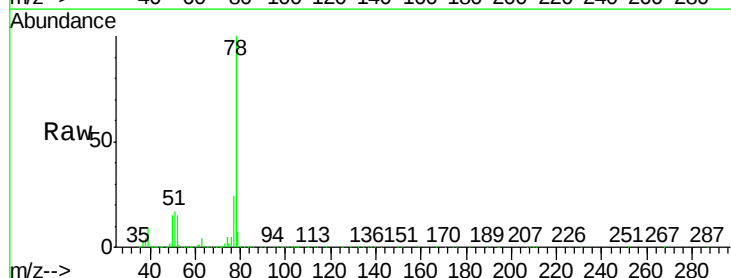
Manual Integrations
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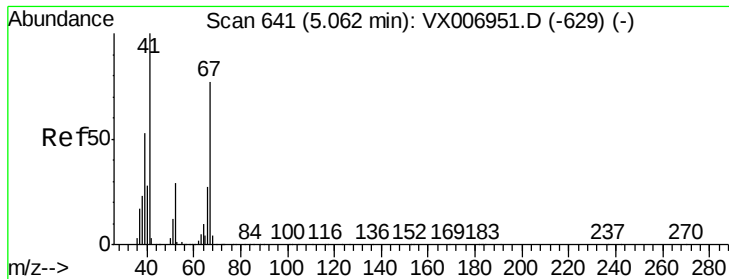
MMDadoda
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#40
Benzene
Concen: 48.486 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41

Methacrylonitrile

Concen: 47.691 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

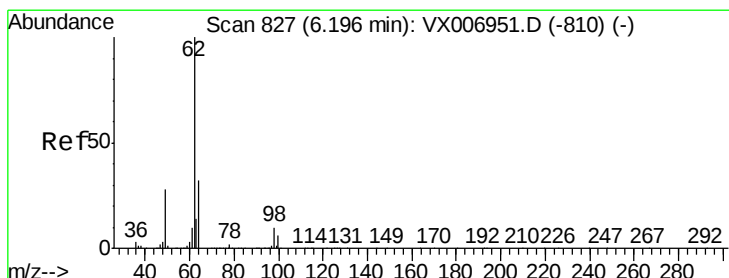
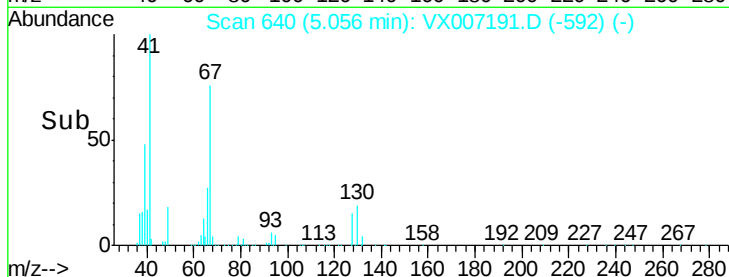
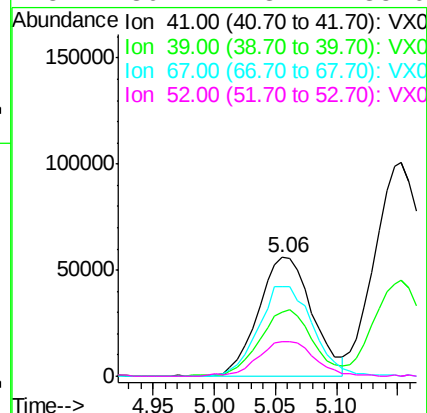
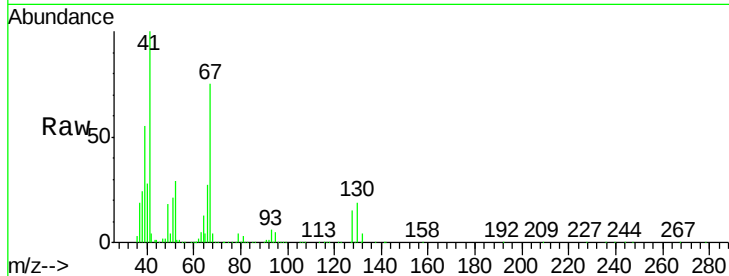
ClientSampleId :

SA-TW524-2327MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		170026		
39	54.8	42.8	64.2		
67	77.5	62.1	93.1		
52	30.4	23.4	35.0		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 48.296 ug/l

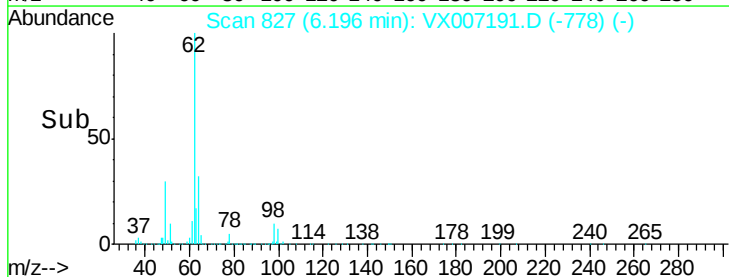
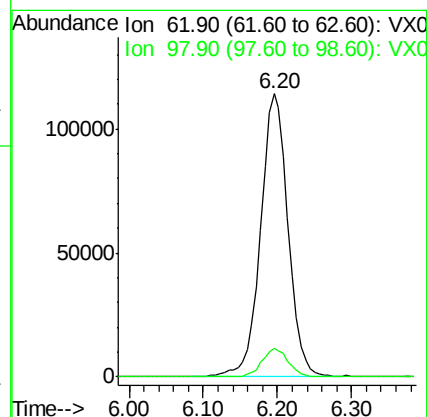
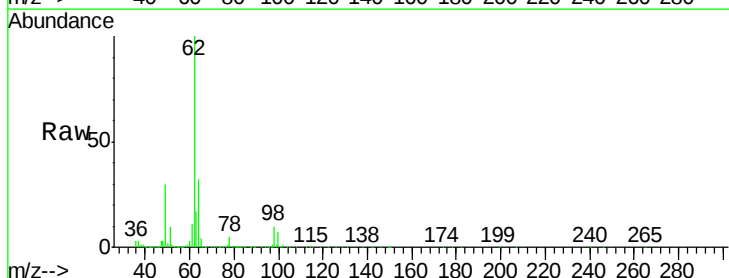
RT: 6.20 min Scan# 827

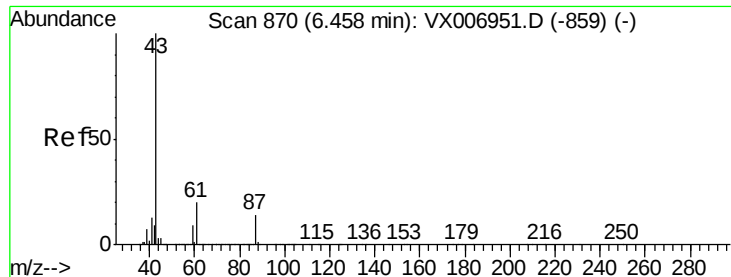
Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		293960		
98	9.8	0.0	20.2		





#43

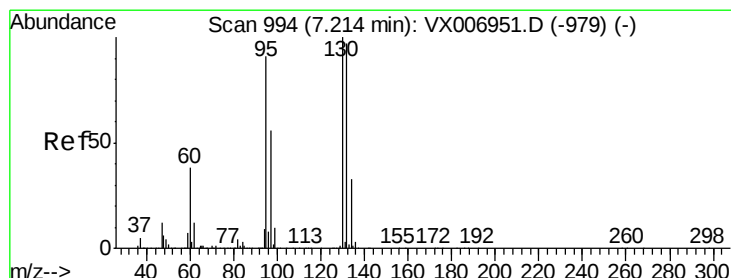
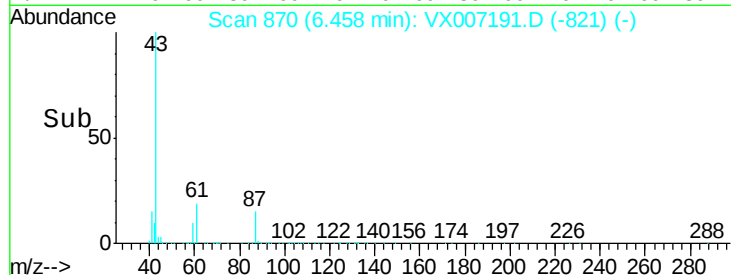
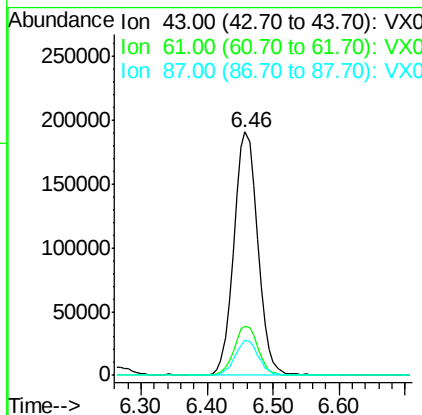
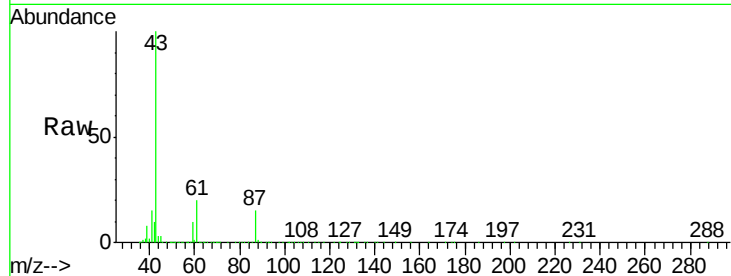
Isopropyl Acetate
 Concen: 48.862 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.2	12.4	18.6

Manual Integrations
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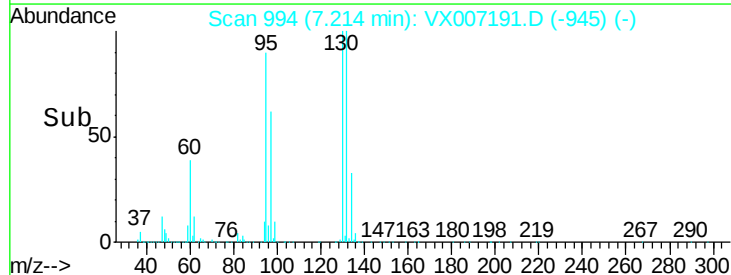
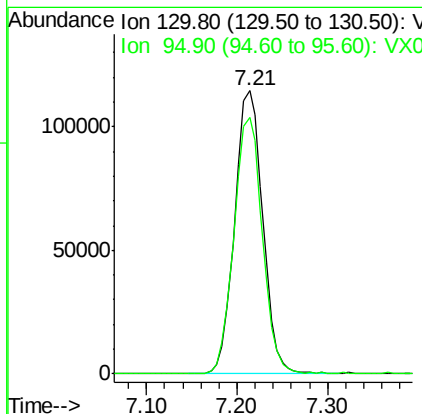
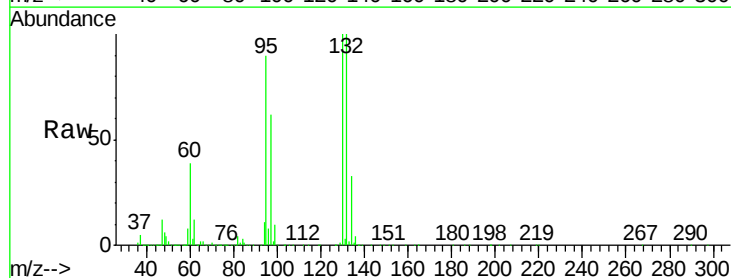
MMDadoda
 1/23/2019 11:29:34 AM

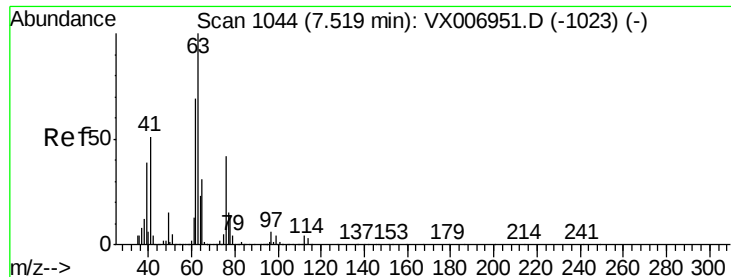


#44

Trichloroethene
 Concen: 46.694 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	187.0





#45

1,2-Dichloropropane

Concen: 49.531 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 63 Resp: 219330

Ion Ratio Lower Upper

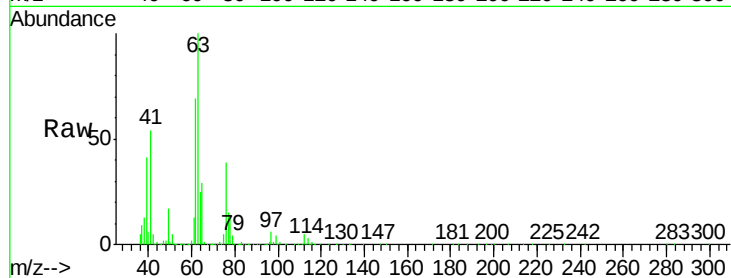
63 100

65 28.6 25.4 38.0

Manual Integrations
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

120000

100000

80000

60000

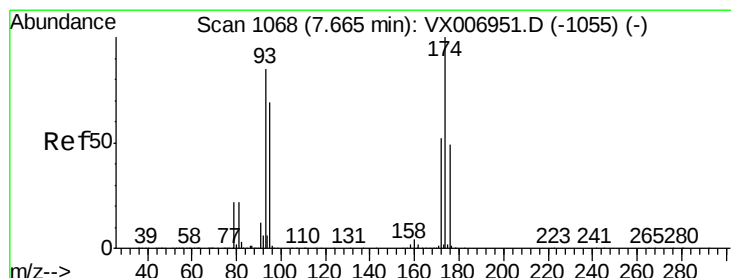
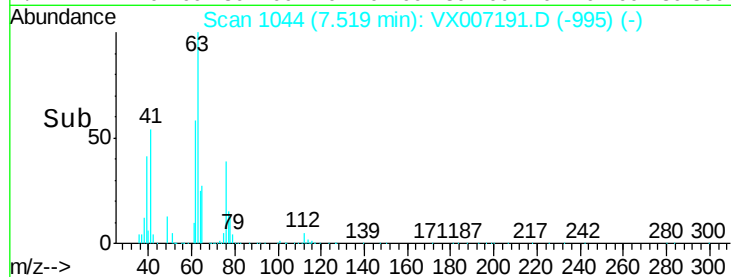
40000

20000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 49.498 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

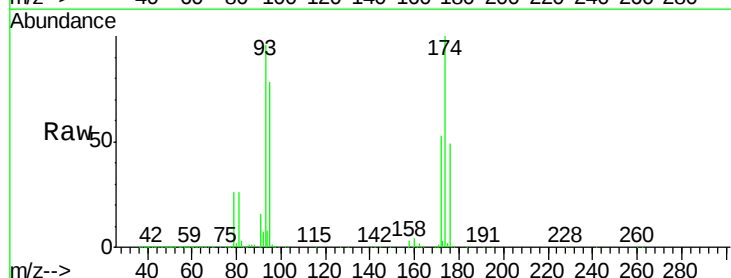
Tgt Ion: 93 Resp: 154042

Ion Ratio Lower Upper

93 100

95 85.2 66.2 99.4

174 116.9 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

60000

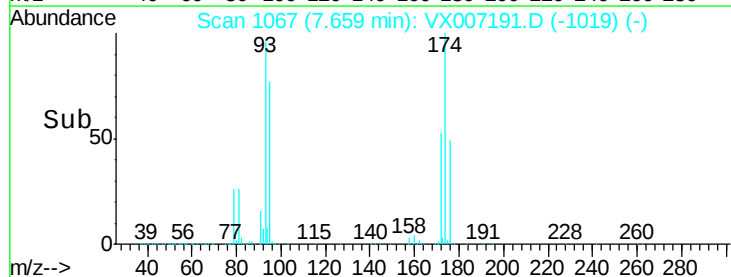
40000

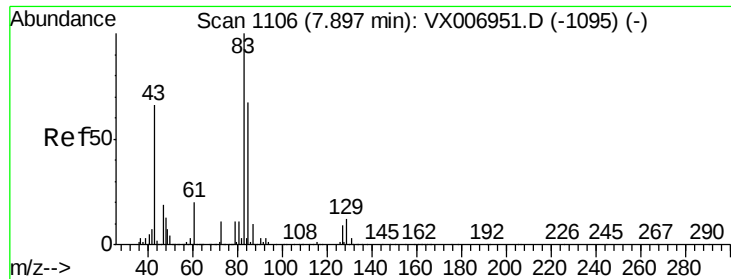
20000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 52.387 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007191.D

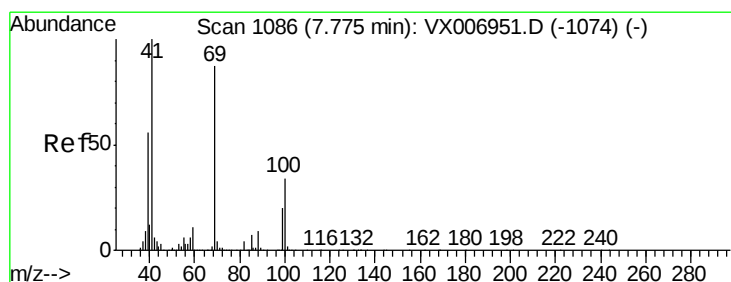
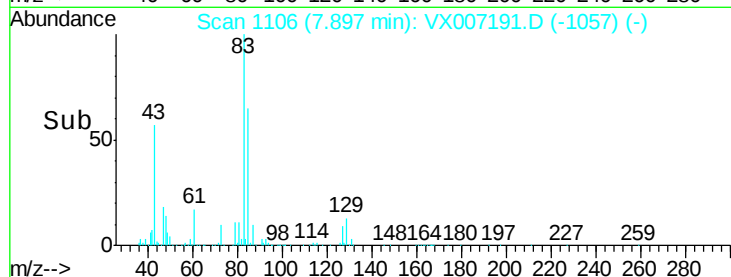
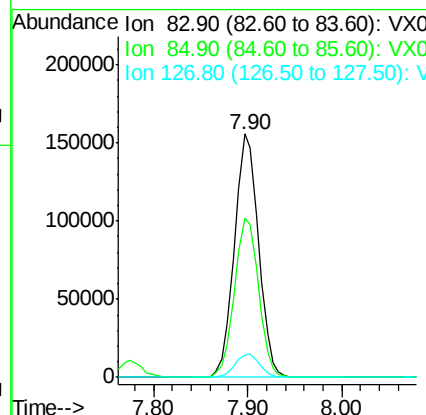
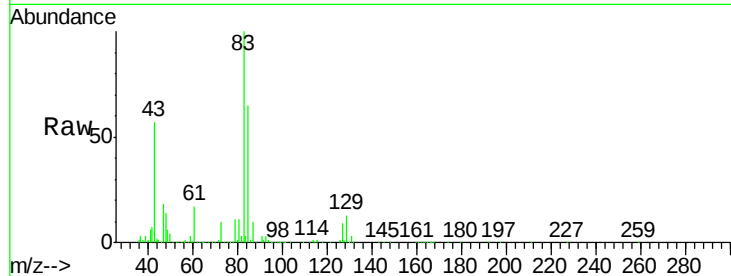
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	83	Resp	277509
Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.2	79.8
127	9.0	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.563 ug/l

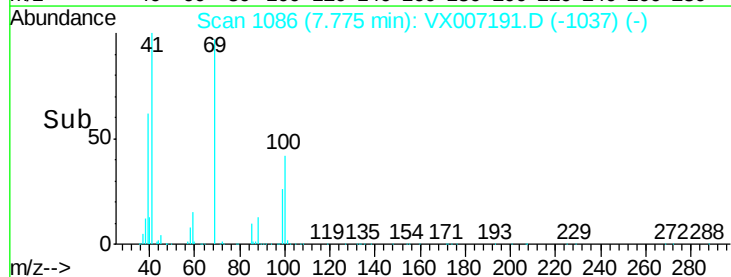
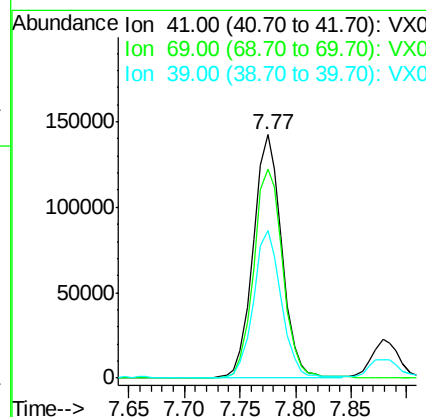
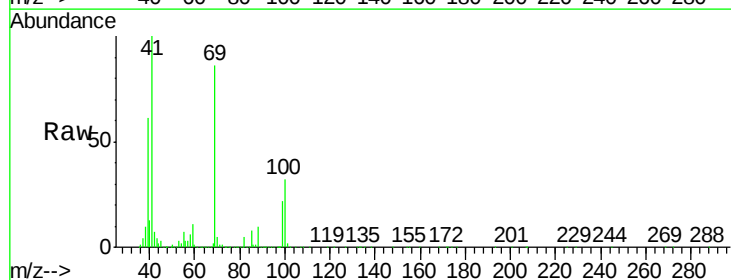
RT: 7.77 min Scan# 1086

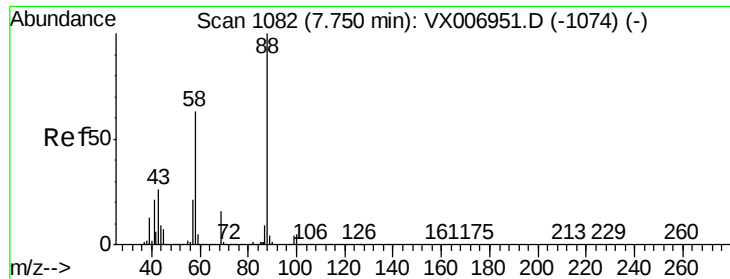
Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion	41	Resp	253472
Ion	Ratio	Lower	Upper
41	100		
69	88.1	72.4	108.6
39	58.6	45.8	68.8





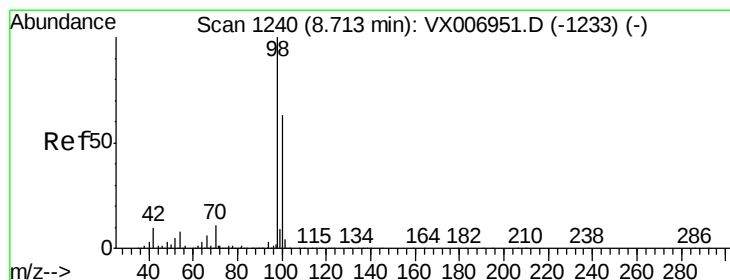
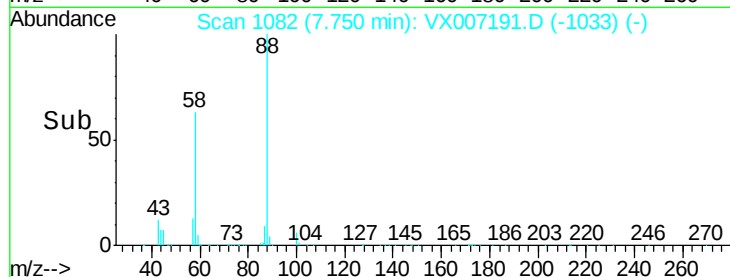
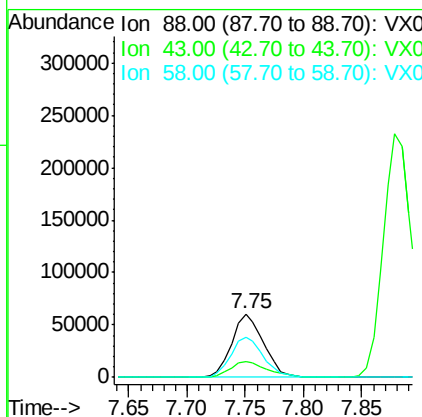
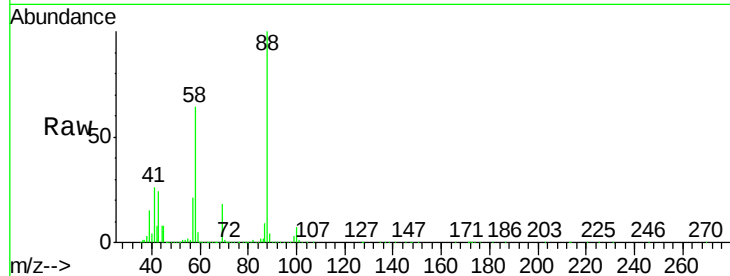
#49
1,4-Dioxane
Concen: 1010.385 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	22.2	33.4
58	65.0	51.0	76.4

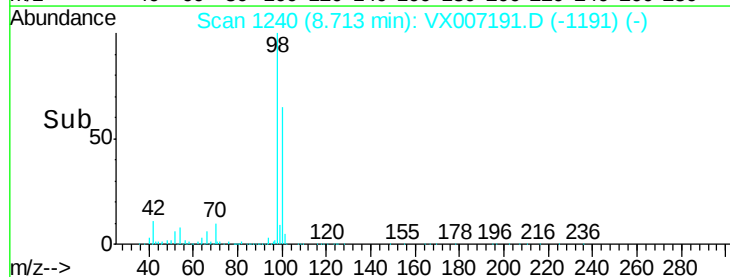
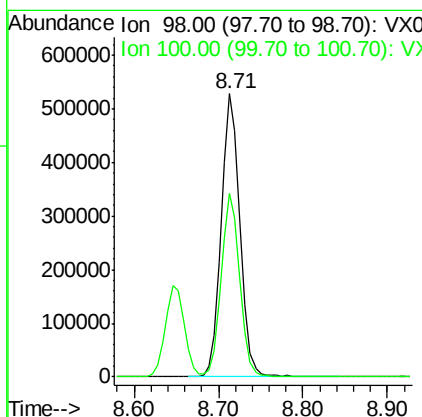
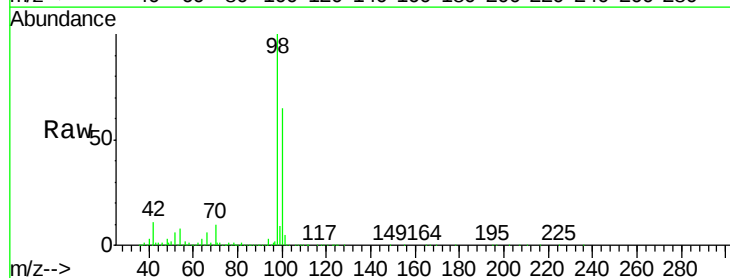
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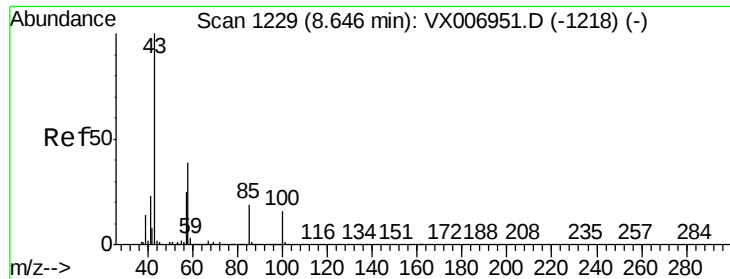
MMDadoda
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#50
Toluene-d8
Concen: 51.924 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 261.026 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 43 Resp: 1637546

Ion Ratio Lower Upper

43 100

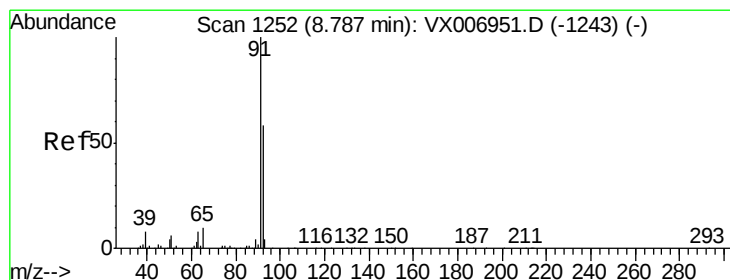
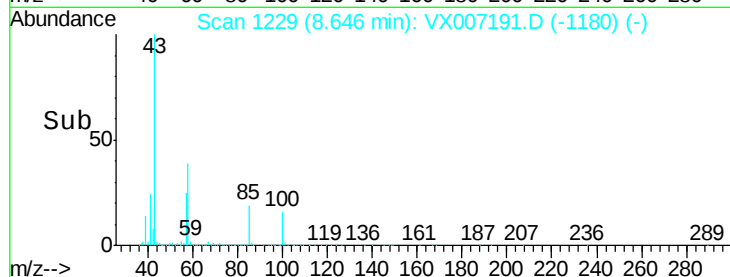
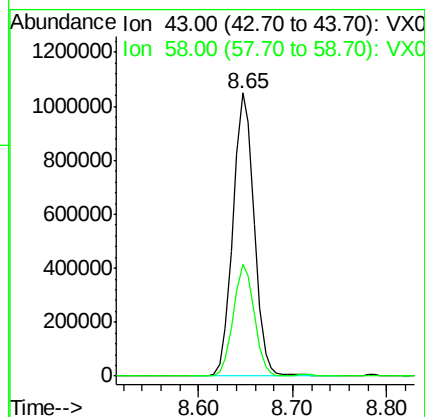
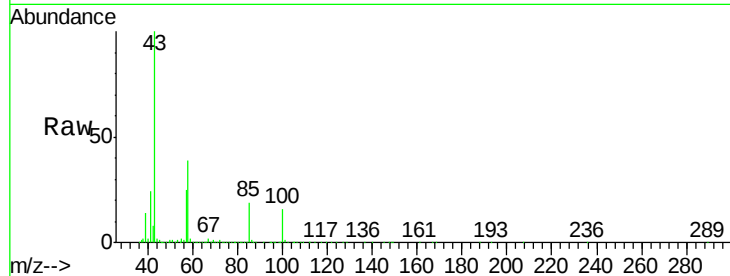
58 39.1 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 49.176 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007191.D

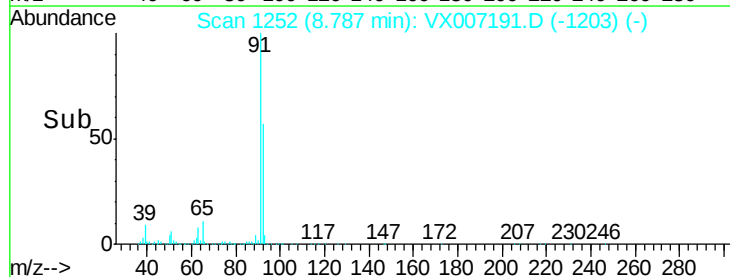
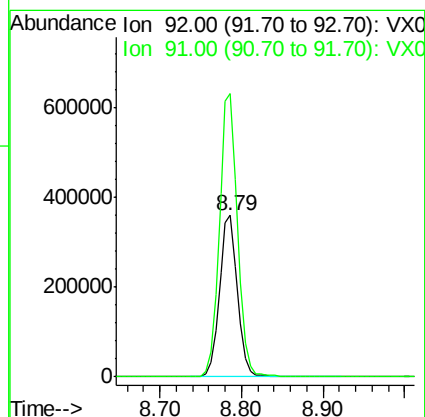
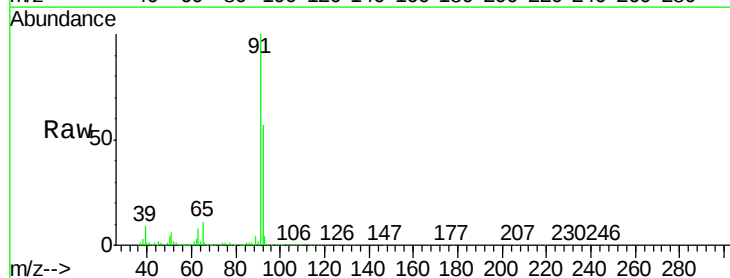
Acq: 22 Jan 2019 19:28

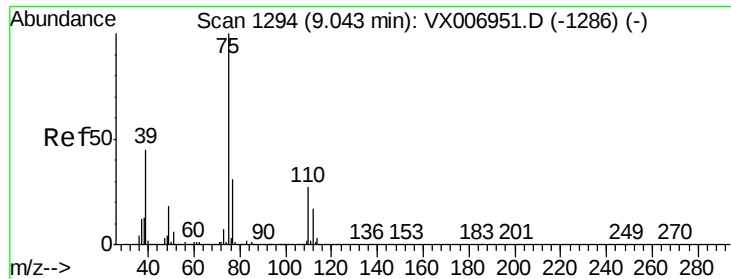
Tgt Ion: 92 Resp: 556718

Ion Ratio Lower Upper

92 100

91 177.2 137.6 206.4





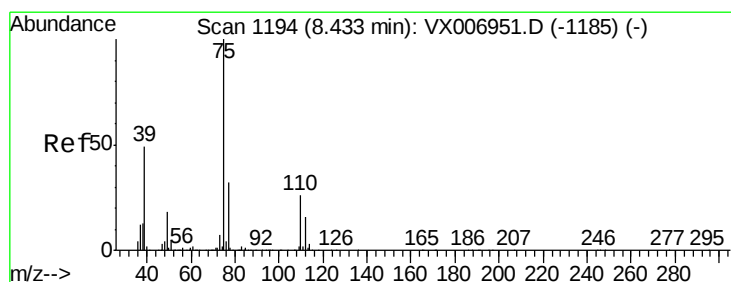
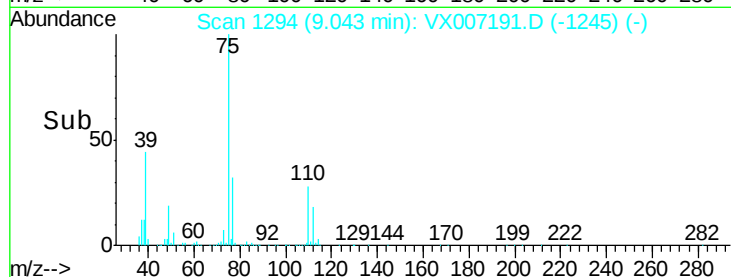
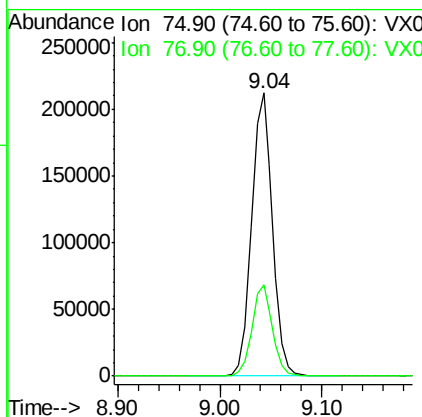
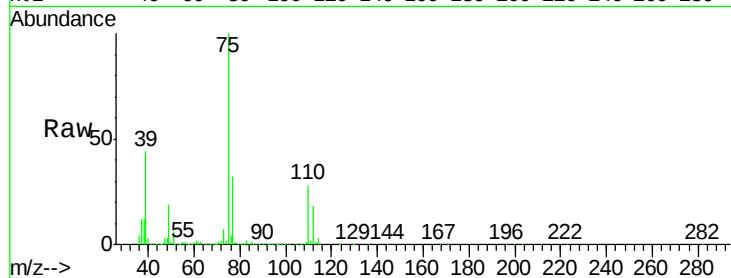
#53
t-1,3-Dichloropropene
Concen: 51.512 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

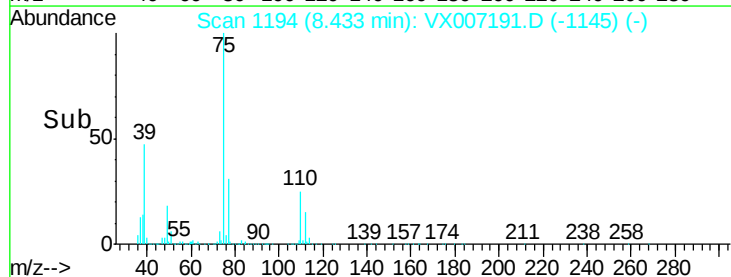
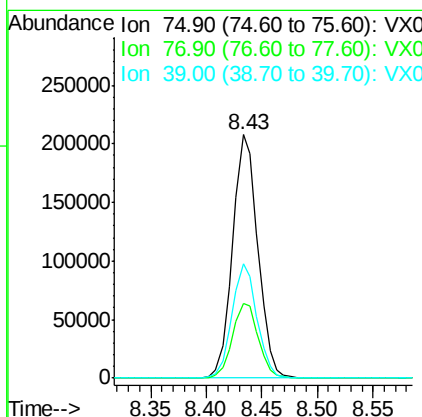
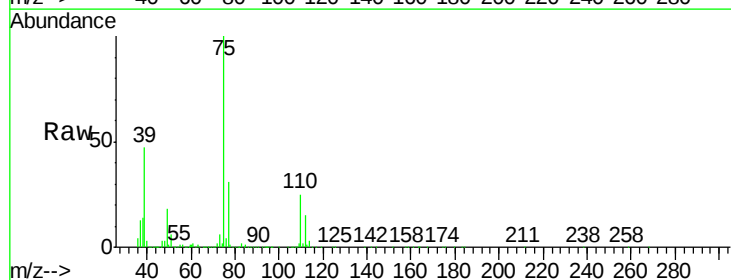
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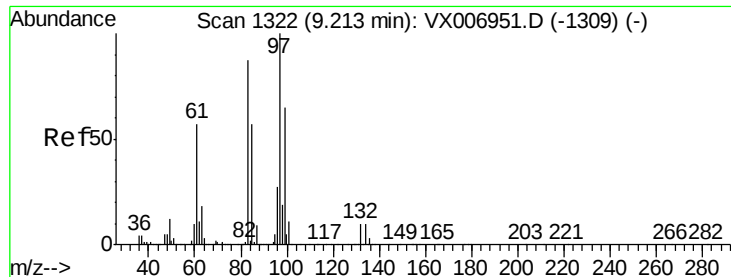
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#54
cis-1,3-Dichloropropene
Concen: 50.252 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.2	39.2
39	46.7	36.7	55.1





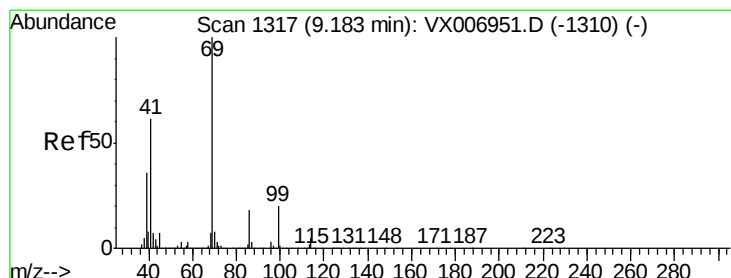
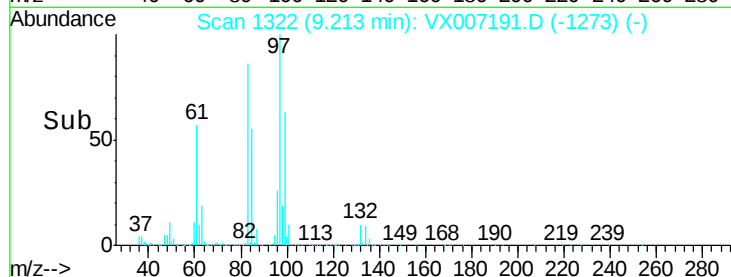
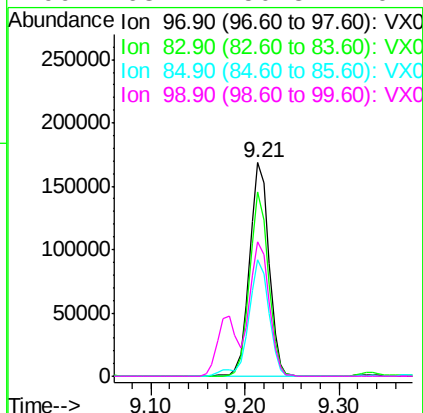
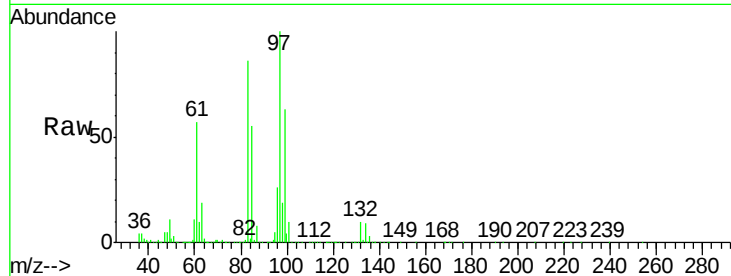
#55
 1,1,2-Trichloroethane
 Concen: 53.527 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		242547		
83	86.1	66.6	99.8		
85	54.7	42.7	64.1		
99	63.1	50.8	76.2		

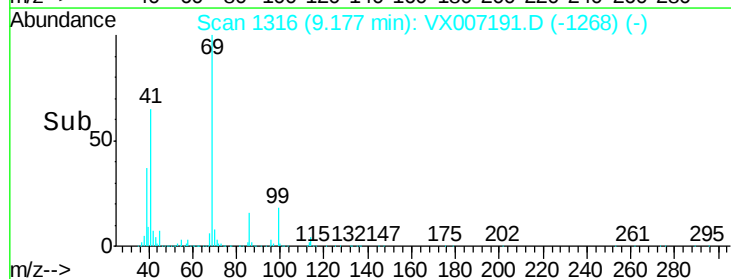
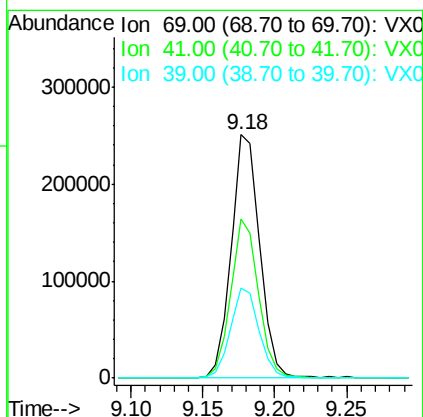
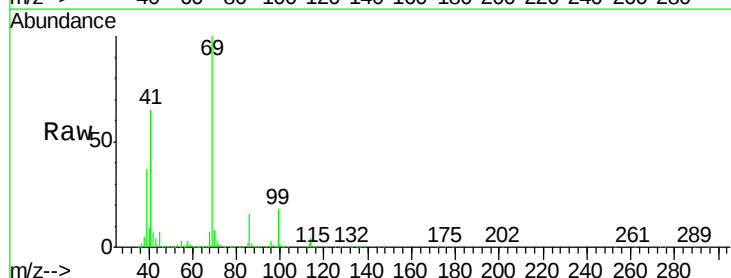
Manual Integrations
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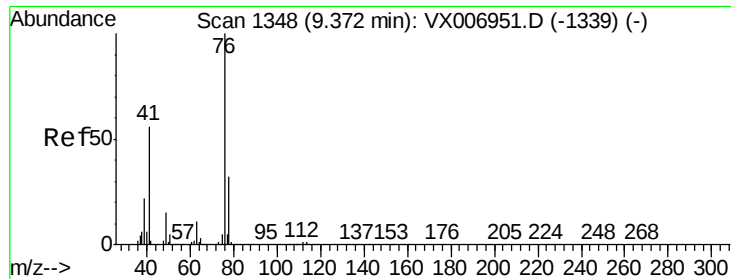
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#56
 Ethyl methacrylate
 Concen: 52.701 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		348623		
41	63.6	48.7	73.1		
39	36.9	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 51.153 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 76 Resp: 379742

Ion Ratio Lower Upper

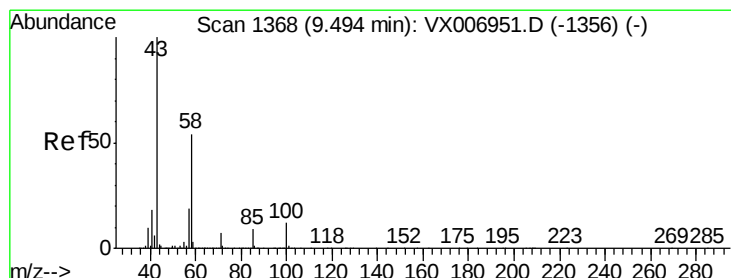
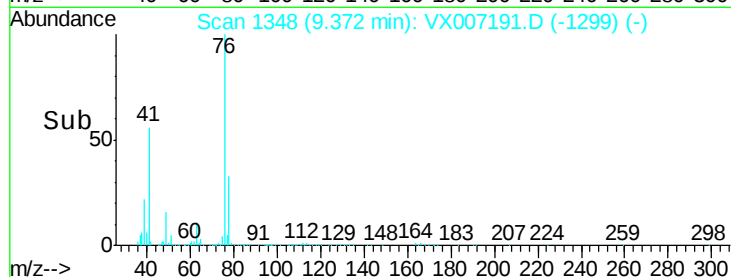
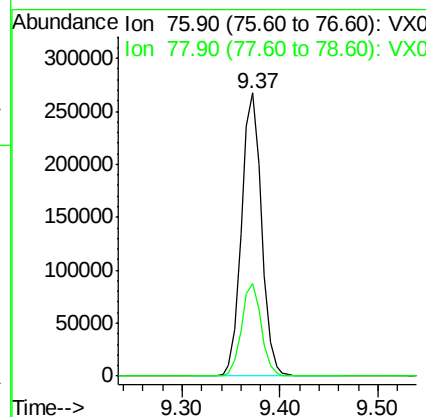
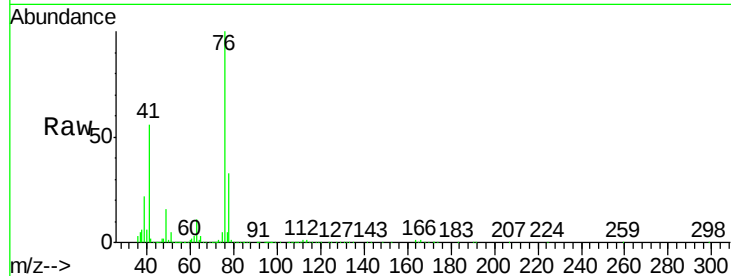
76 100

78 32.3 26.0 39.0

Manual Integrations
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#59

2-Hexanone

Concen: 258.361 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX007191.D

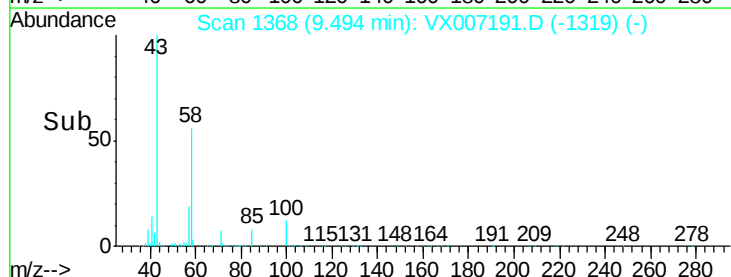
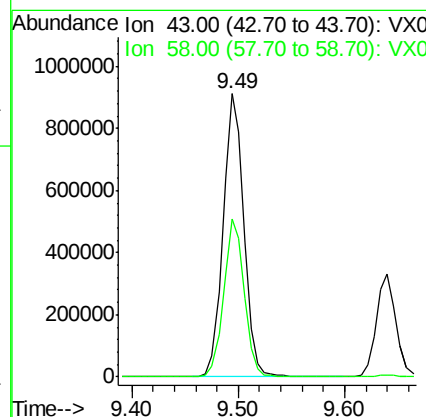
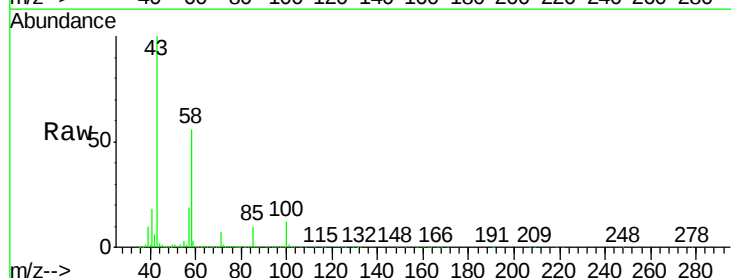
Acq: 22 Jan 2019 19:28

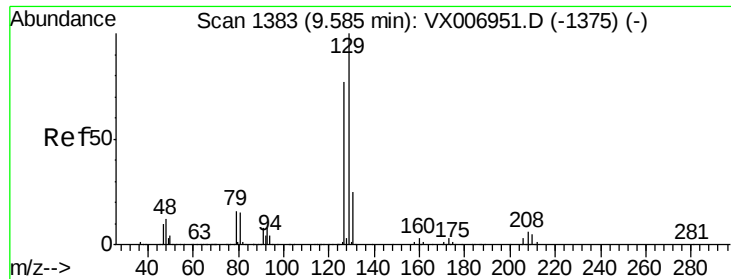
Tgt Ion: 43 Resp: 1235161

Ion Ratio Lower Upper

43 100

58 55.2 27.7 83.1





#60

Dibromochloromethane

Concen: 55.978 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion:129 Resp: 246308

Ion Ratio Lower Upper

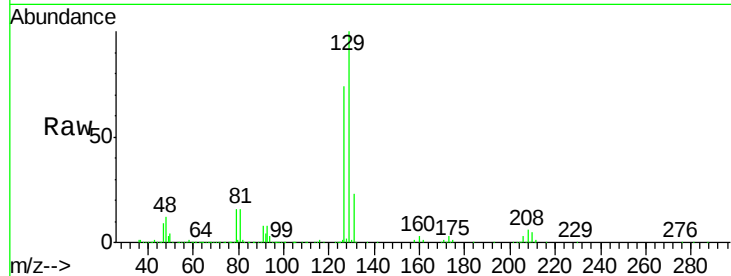
129 100

127 76.0 39.3 117.8

Manual Integrations
APPROVED

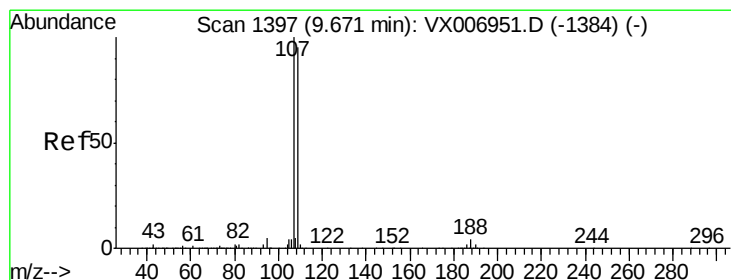
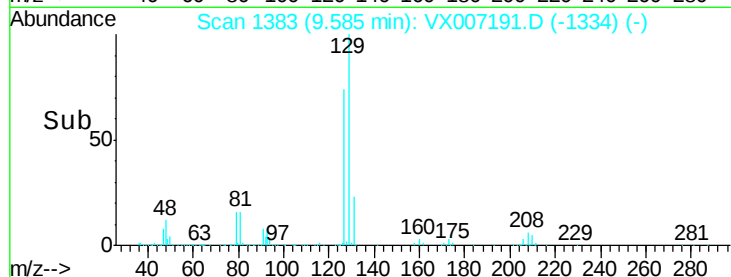
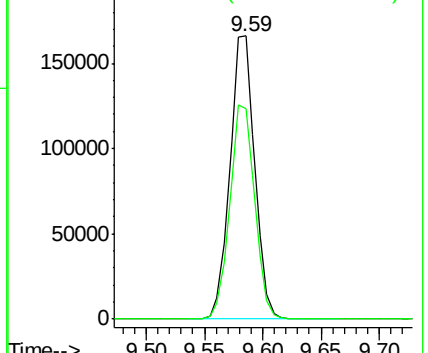
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1/23/2019 11:29:34 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.493 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007191.D

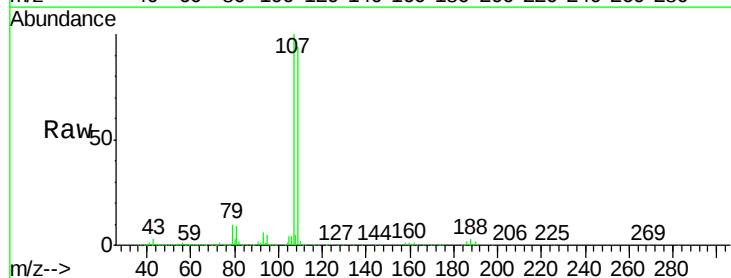
Acq: 22 Jan 2019 19:28

Tgt Ion:107 Resp: 256874

Ion Ratio Lower Upper

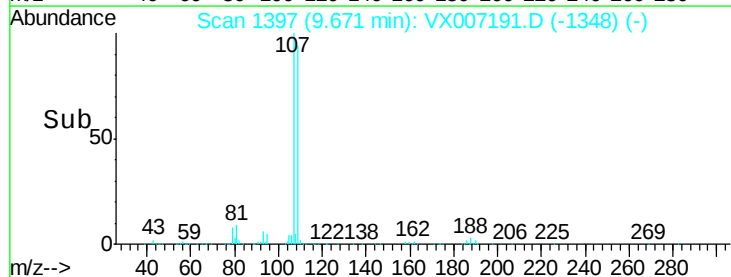
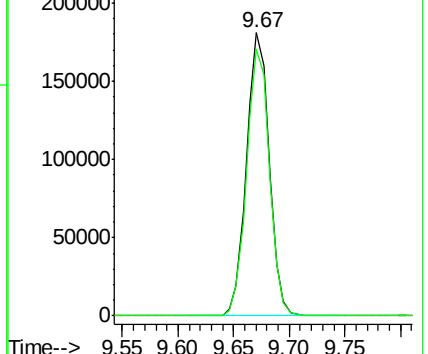
107 100

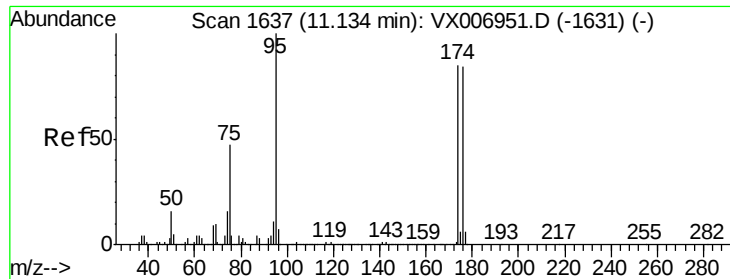
109 94.7 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





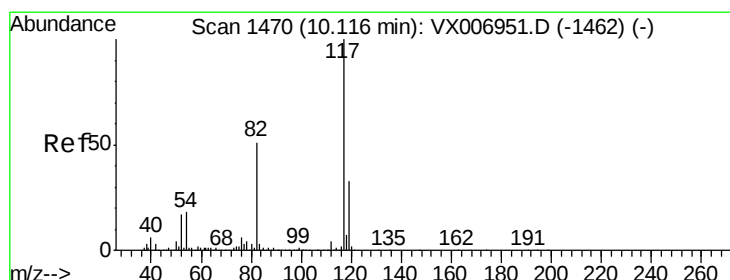
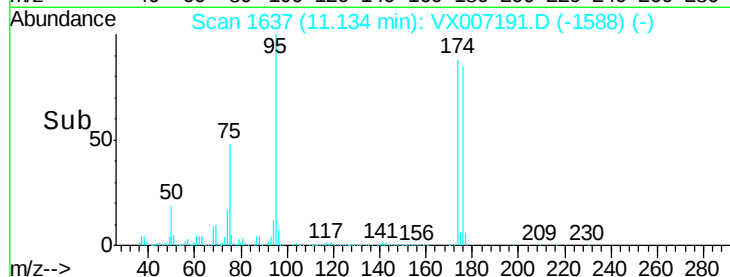
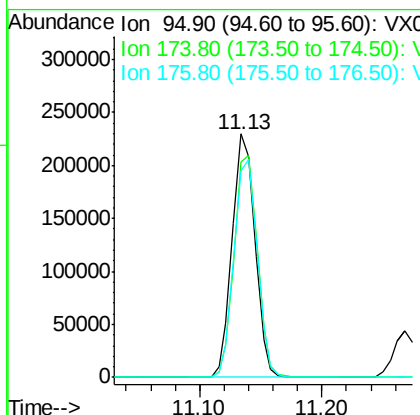
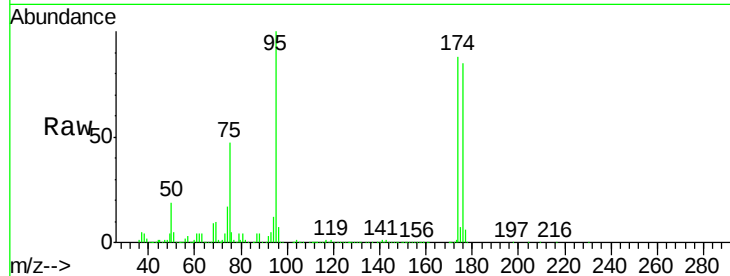
#62
4-Bromofluorobenzene
Concen: 54.419 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	295263		
174	92.9	0.0	182.2	
176	91.6	0.0	178.8	

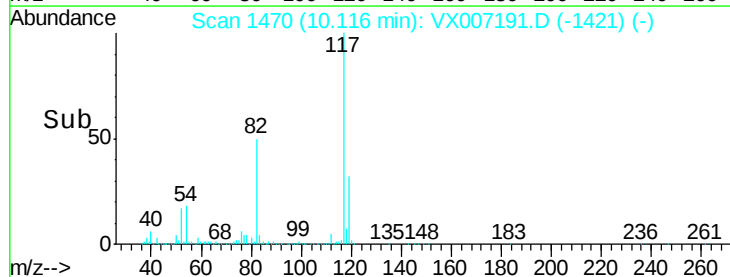
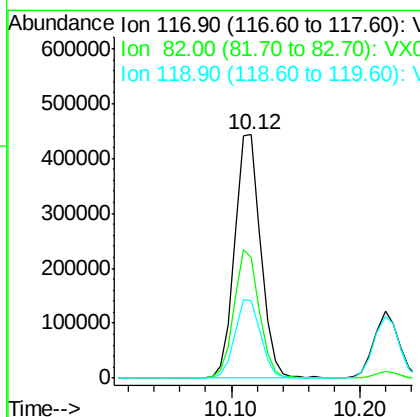
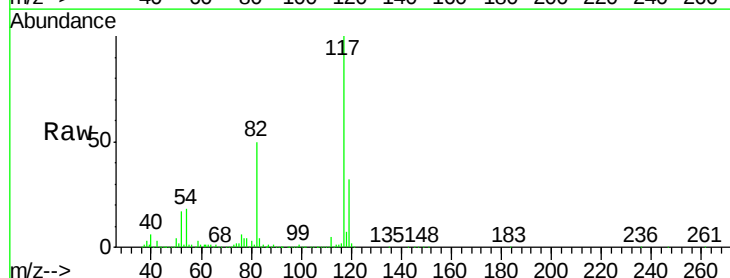
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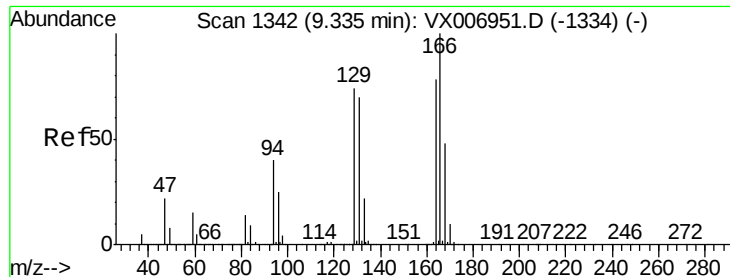
MMDadoda
1/23/2019 11:29:34 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	624670		
82	49.6	41.0	61.6	
119	31.9	25.4	38.0	





#64

Tetrachloroethene

Concen: 47.050 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007191.D

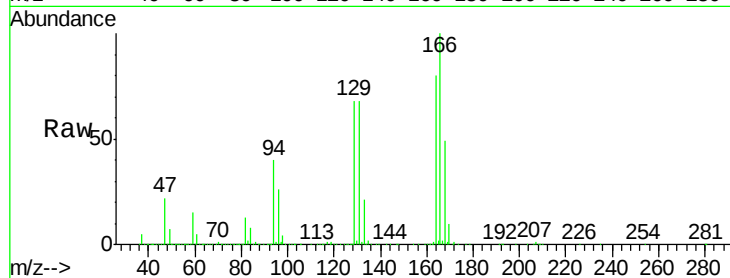
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

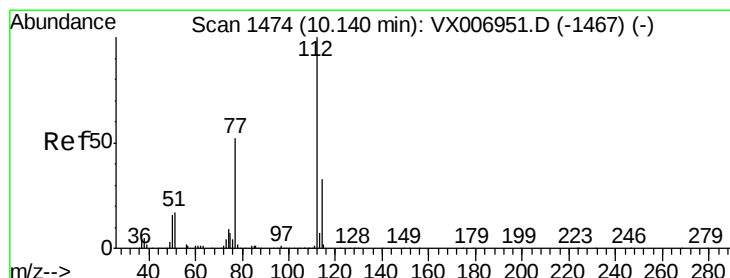
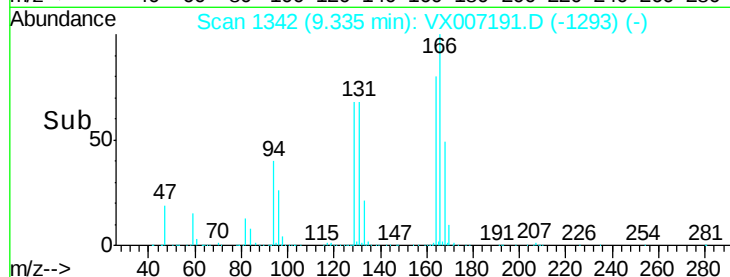
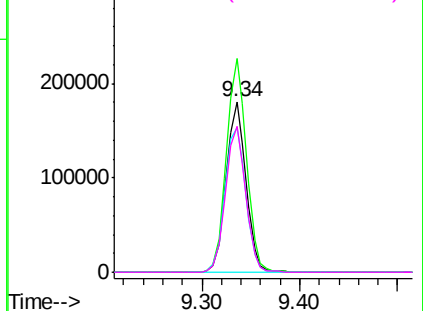
Tot Ion:	164	Resp:	254456
Ion	Ratio	Lower	Upper
164	100		
166	125.2	102.5	153.7
129	84.6	75.1	112.7
131	85.4	72.7	109.1

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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 48.195 ug/l

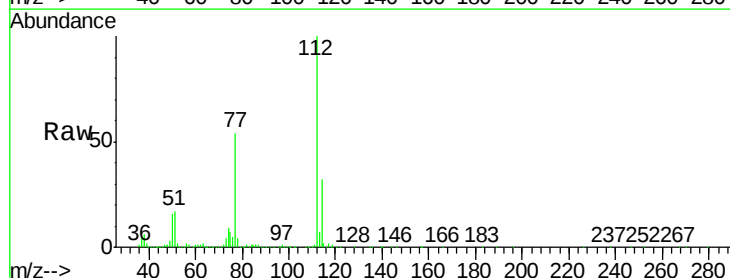
RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

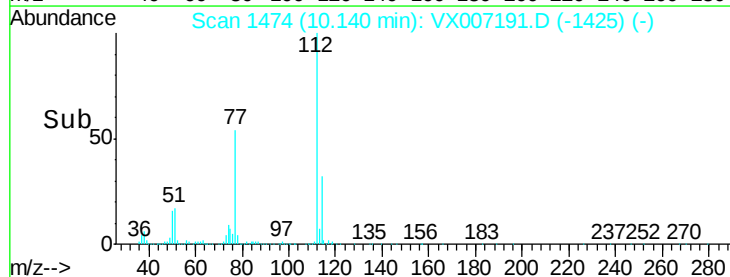
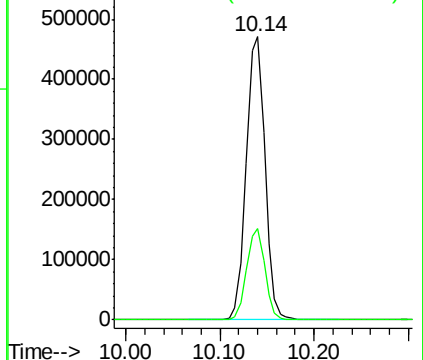
Lab File: VX007191.D

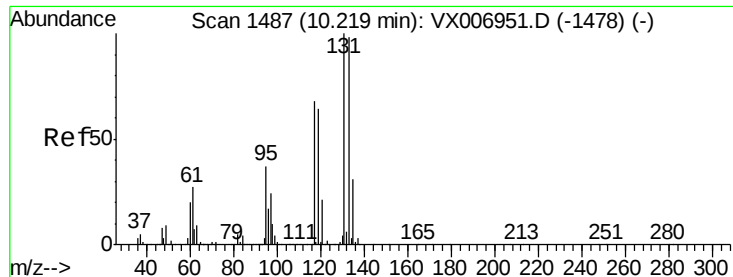
Acq: 22 Jan 2019 19:28

Tgt Ion:	112	Resp:	656622
Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.7	38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 51.847 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

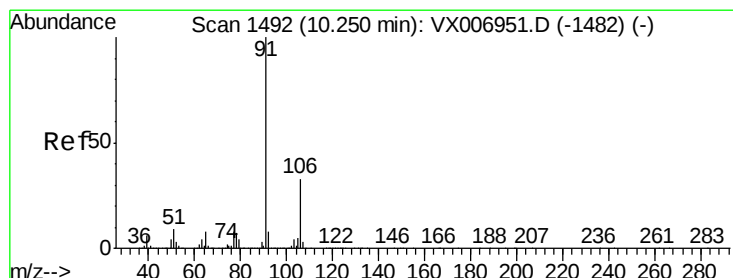
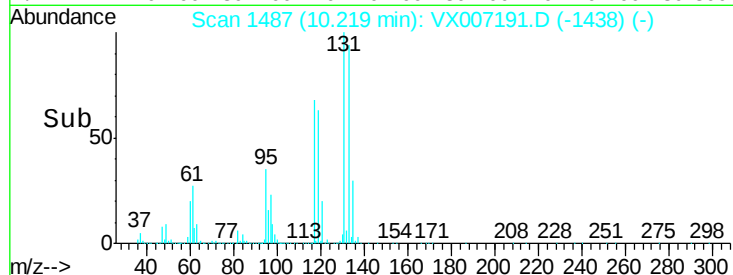
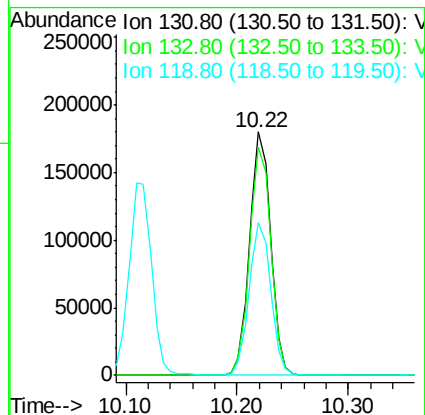
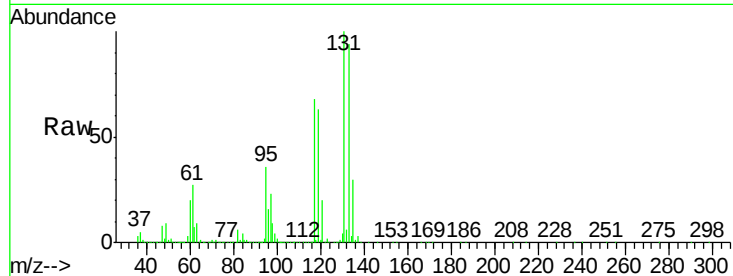
ClientSampleId :

SA-TW524-2327MS

Tot Ion:	131	Resp:	237628
Ion Ratio	Lower	Upper	
131	100		
133	95.2	48.0	144.2
119	64.2	32.6	97.8

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#67

Ethyl Benzene

Concen: 47.927 ug/l

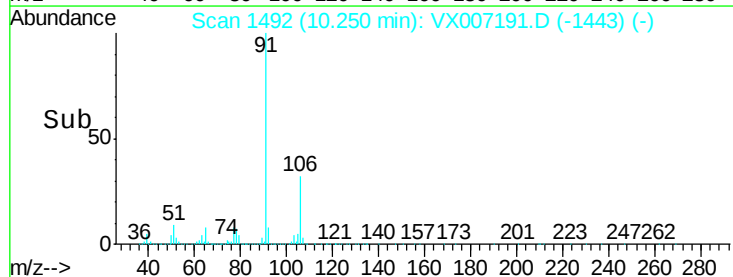
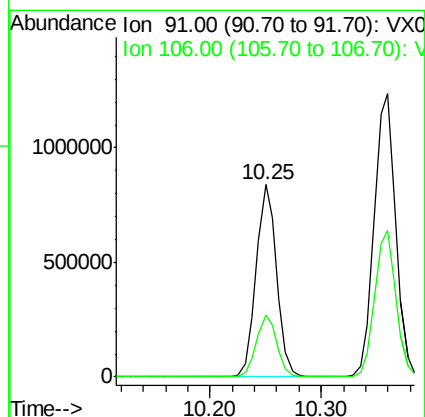
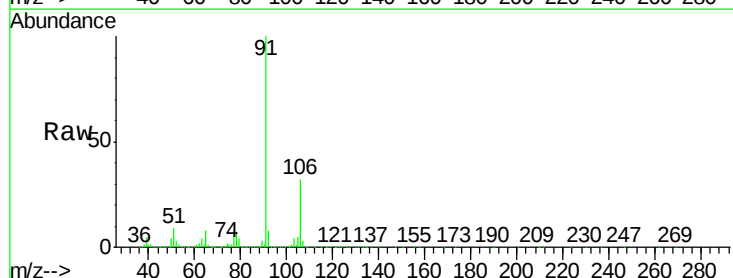
RT: 10.25 min Scan# 1492

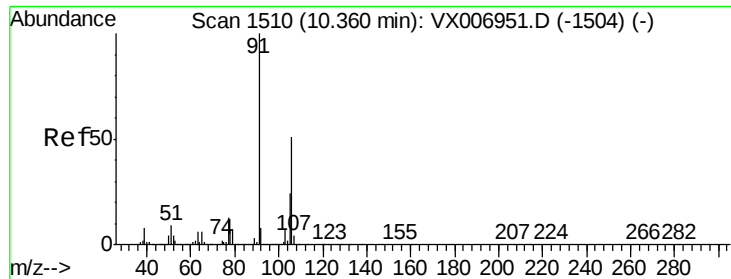
Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion:	91	Resp:	1077980
Ion Ratio	Lower	Upper	
91	100		
106	32.3	26.4	39.6





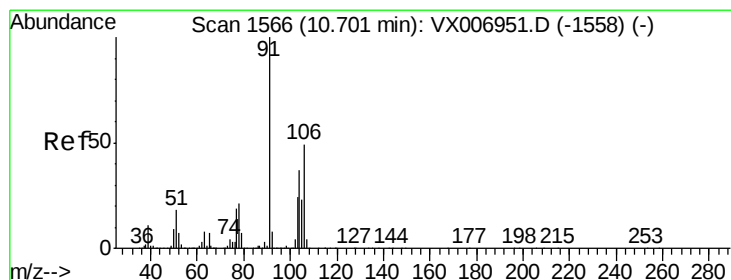
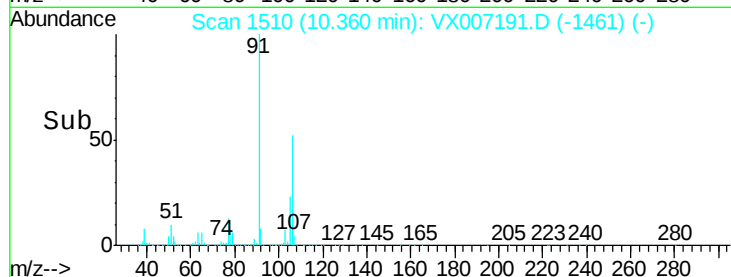
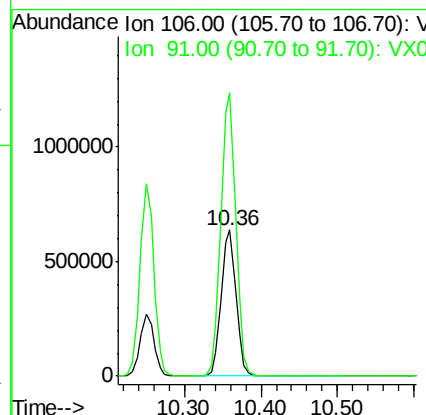
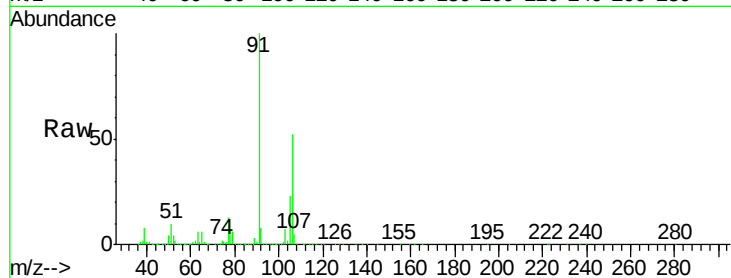
#68
m/p-Xvlenes
Concen: 96.384 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	195.7	155.8	233.6

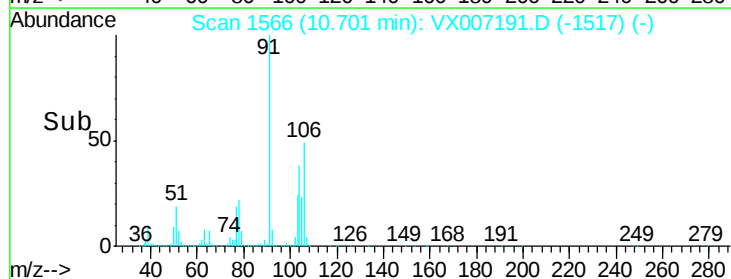
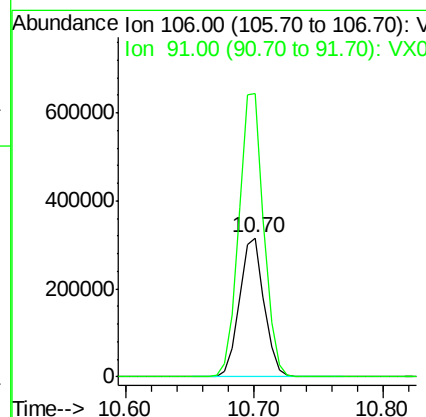
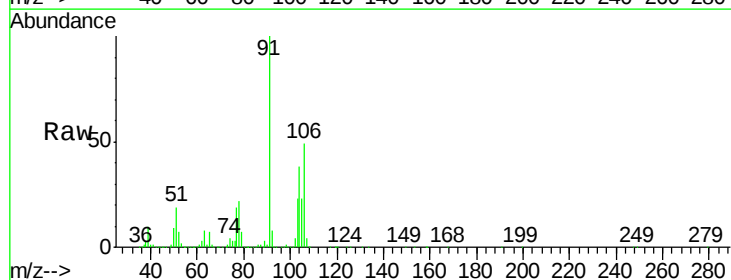
Manual Integrations
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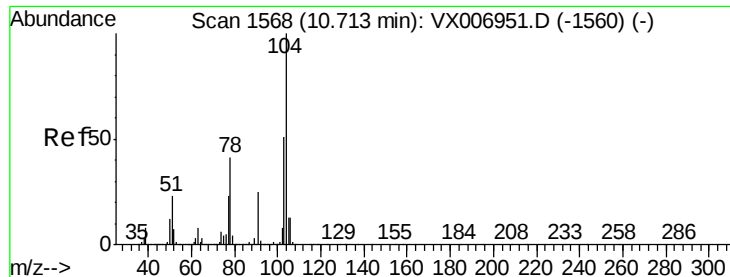
MMDadoda
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#69
o-Xylene
Concen: 48.742 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.8	101.3	303.7





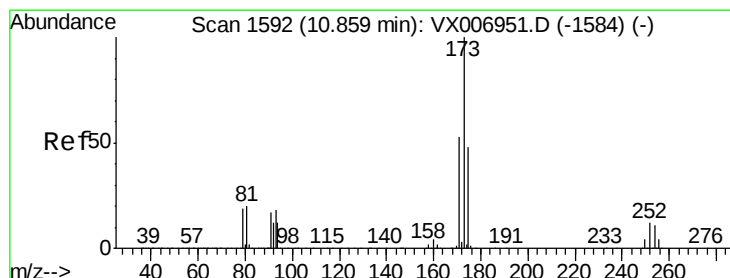
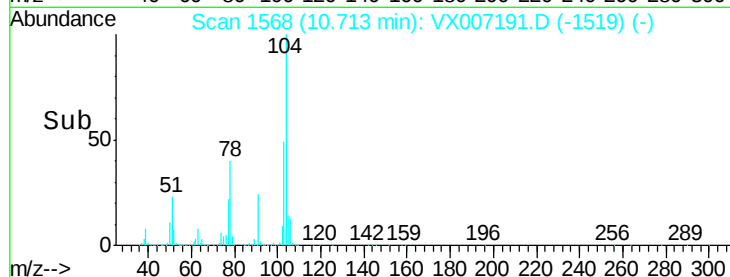
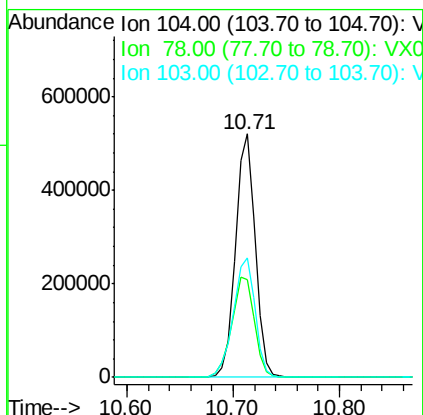
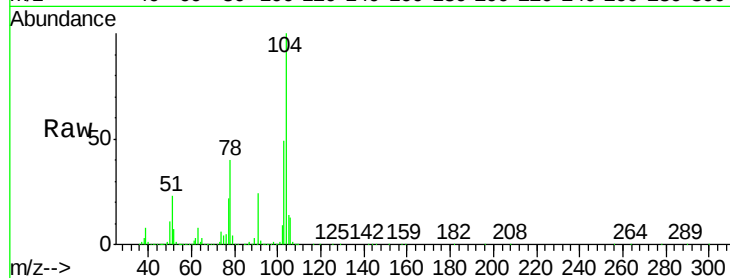
#70
Stvrene
Concen: 49.695 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.7	56.5
103	54.7	43.8	65.8

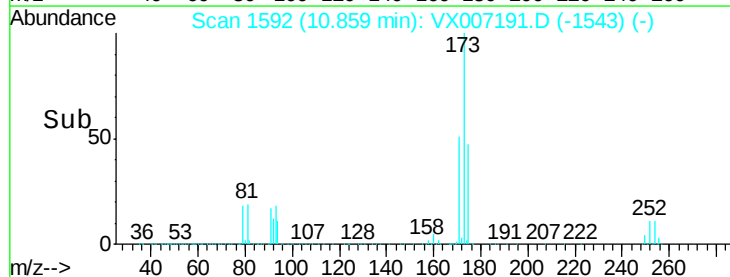
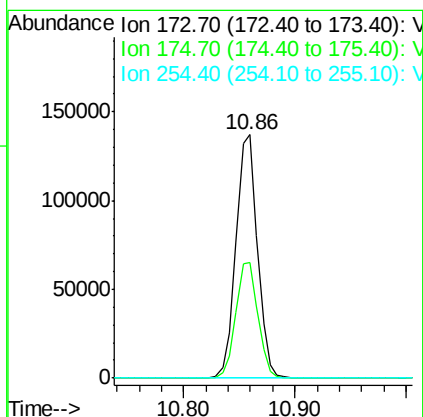
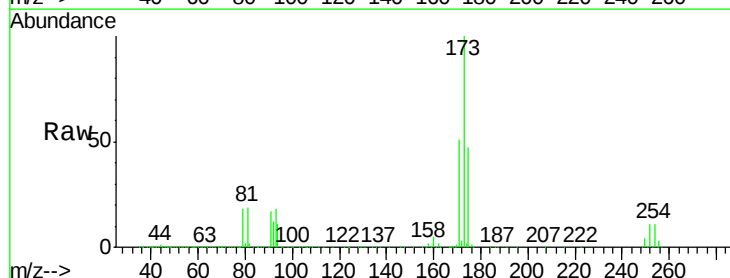
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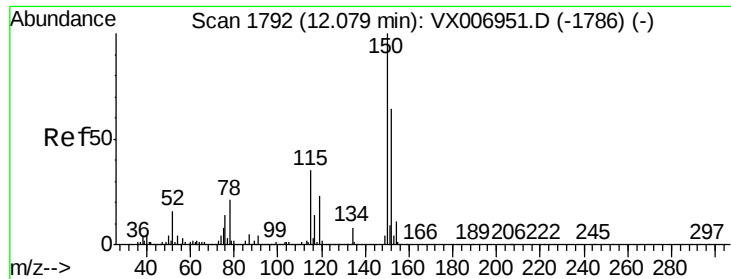
MMDadoda
1/23/2019 11:29:34 AM



#71
Bromoform
Concen: 45.139 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.7	74.1
254	0.1	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: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

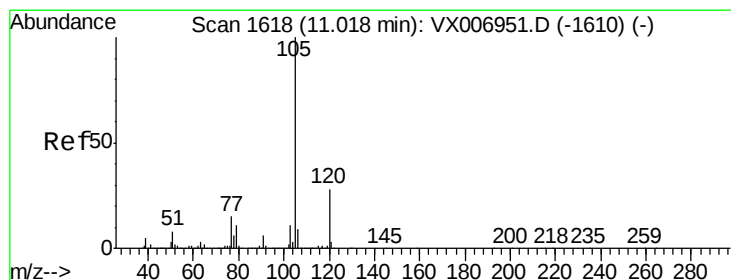
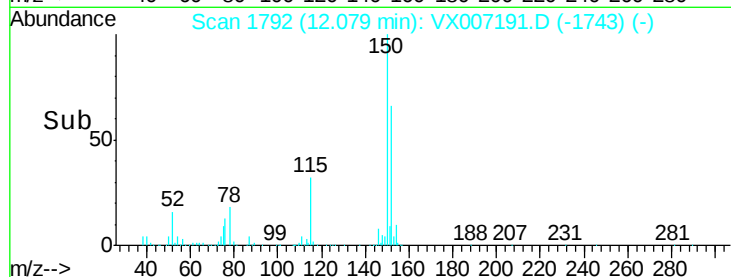
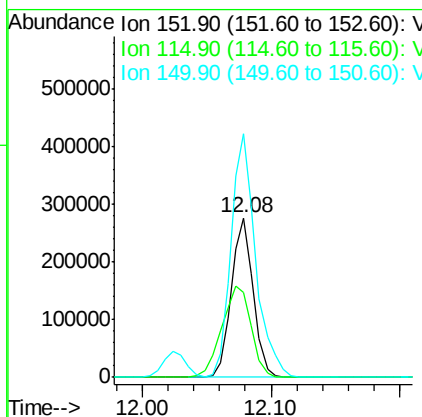
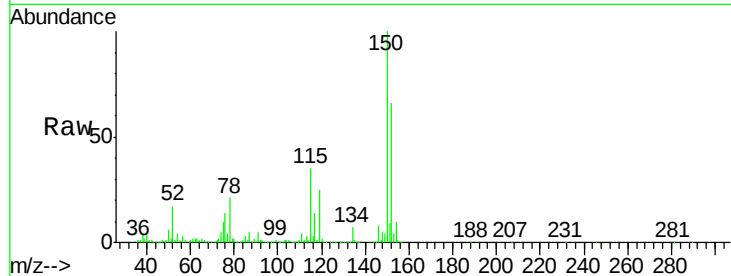
ClientSampleId :

SA-TW524-2327MS

Tot Ion:	152	Resp:	327075
Ion Ratio	Lower	Upper	
152	100		
115	77.2	39.1	117.2
150	172.8	0.0	344.8

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#73

Isopropylbenzene

Concen: 48.728 ug/l

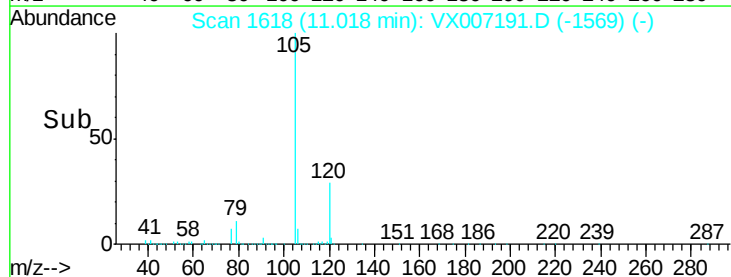
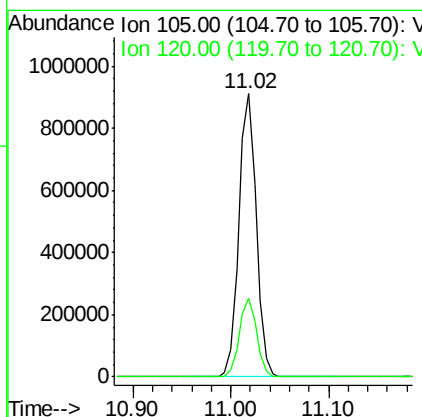
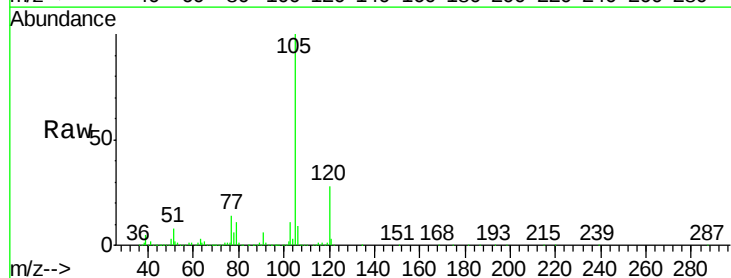
RT: 11.02 min Scan# 1618

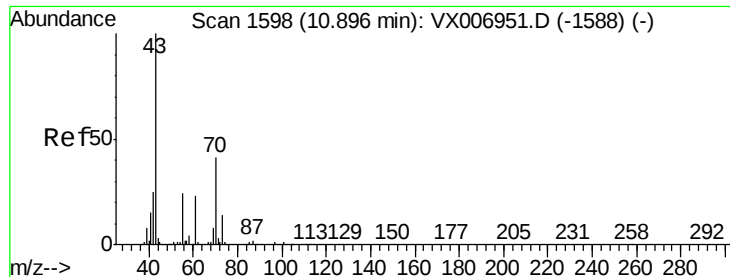
Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion:	105	Resp:	1123829
Ion Ratio	Lower	Upper	
105	100		
120	27.5	14.1	42.4





#74

N-amvl acetate

Concen: 45.619 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007191.D

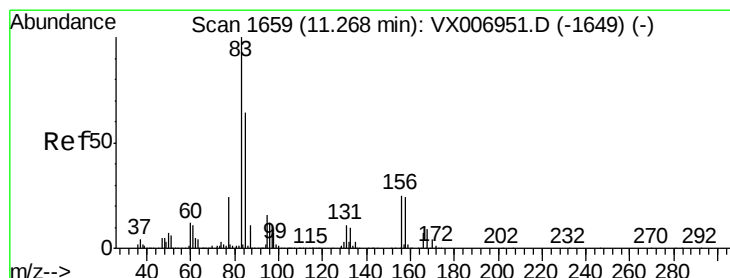
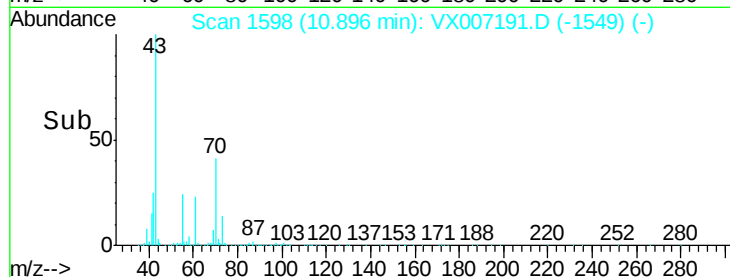
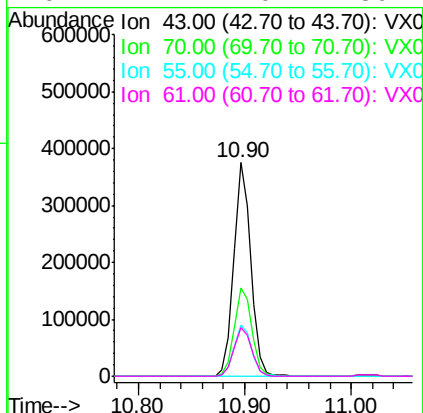
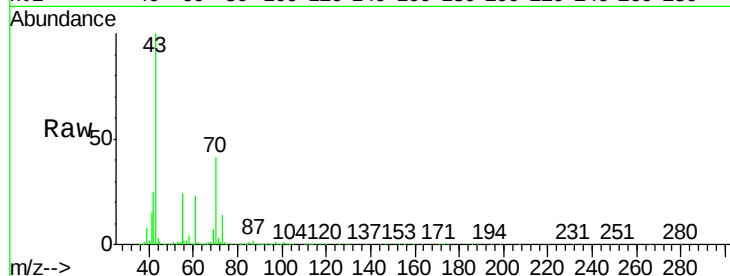
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	42.7	35.8	53.8
55	24.9	19.4	29.0
61	24.1	20.1	30.1

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.131 ug/l

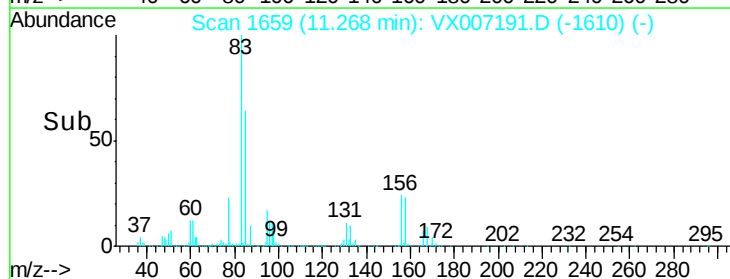
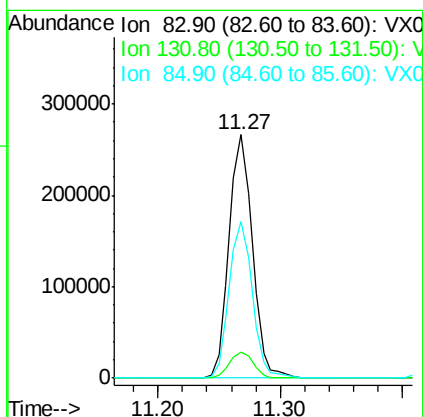
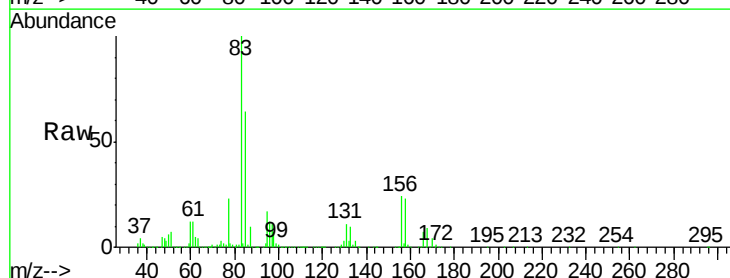
RT: 11.27 min Scan# 1659

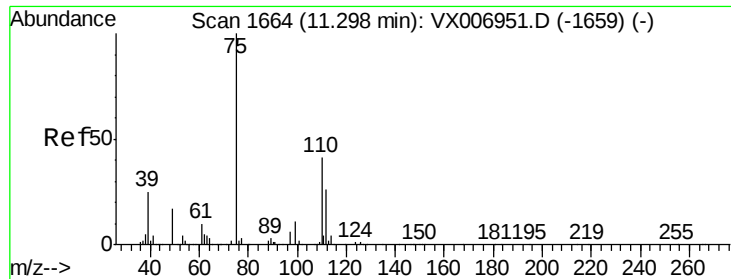
Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.7	17.1
85	64.0	32.2	96.6





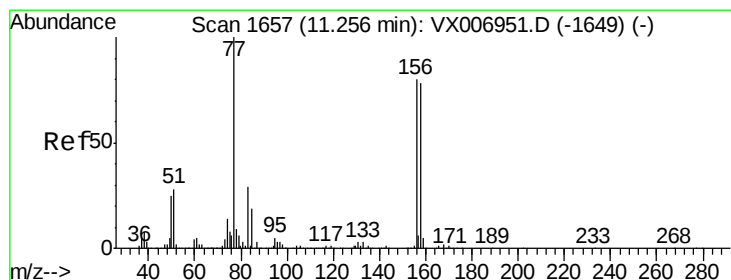
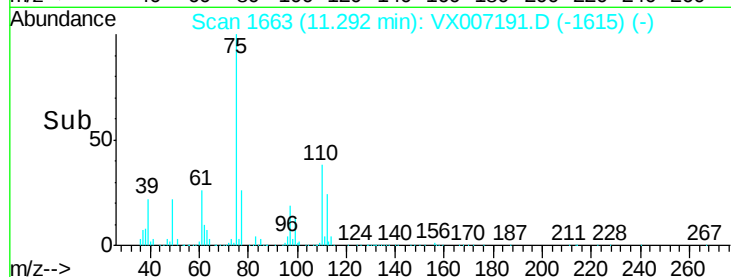
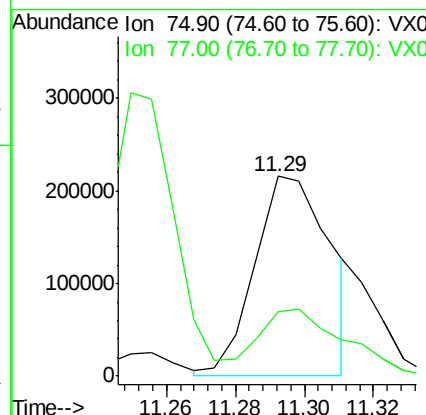
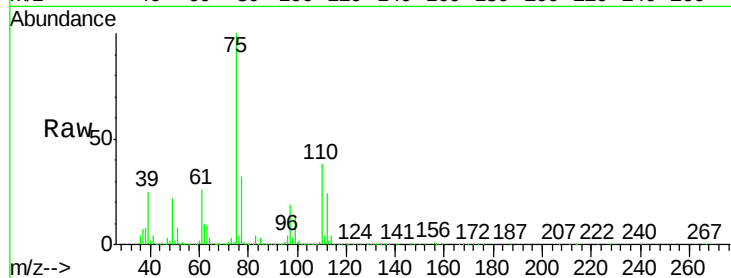
#76
1,2,3-Trichloropropane
Concen: 49.415 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	37.2	18.5	55.5

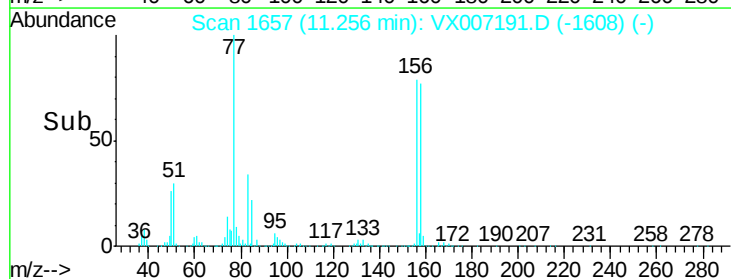
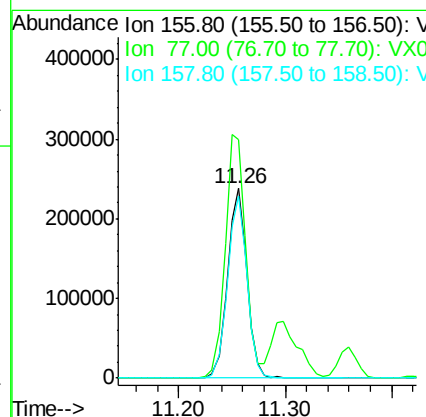
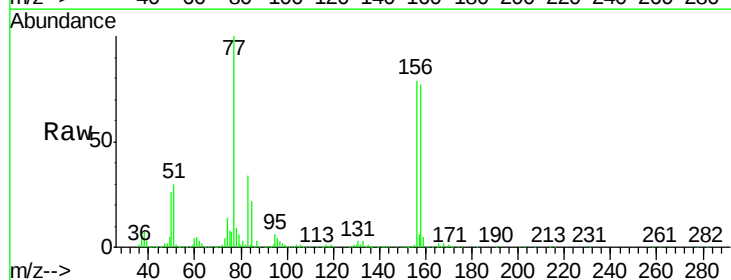
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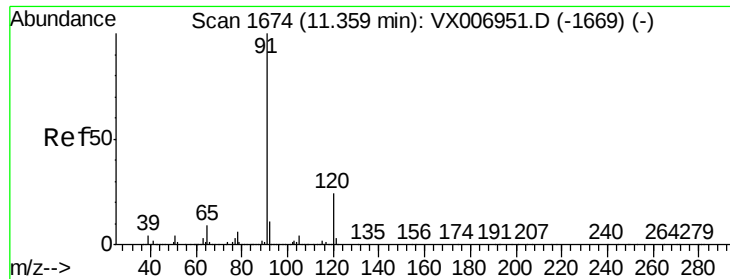
MMDadoda
1/23/2019 11:29:34 AM



#77
Bromobenzene
Concen: 47.339 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
156	100		
77	134.2	68.0	204.0
158	96.8	48.3	144.8





#78

n-propylbenzene

Concen: 49.026 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 91 Resp: 1241263

Ion Ratio Lower Upper

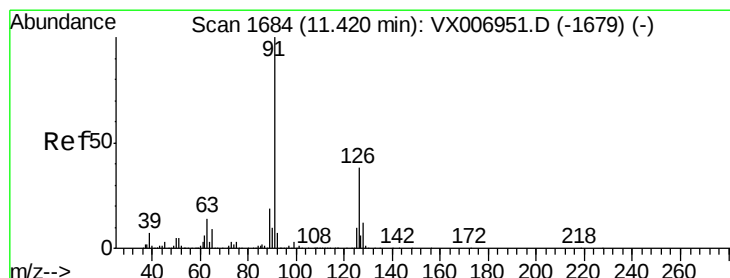
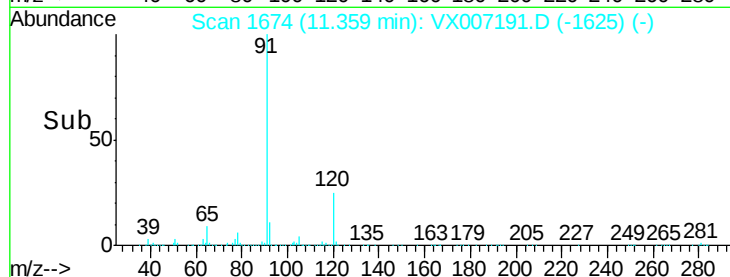
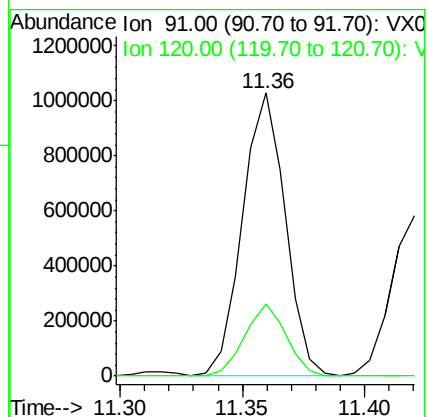
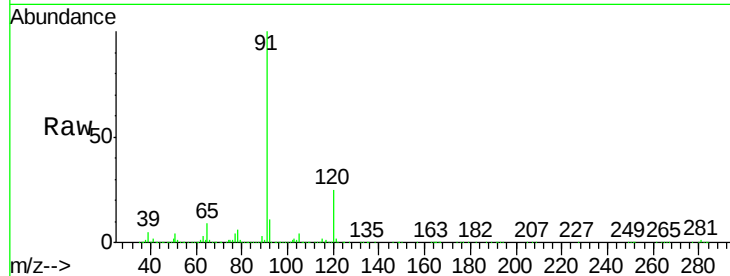
91 100

120 24.9 12.7 38.0

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#79

2-Chlorotoluene

Concen: 47.490 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007191.D

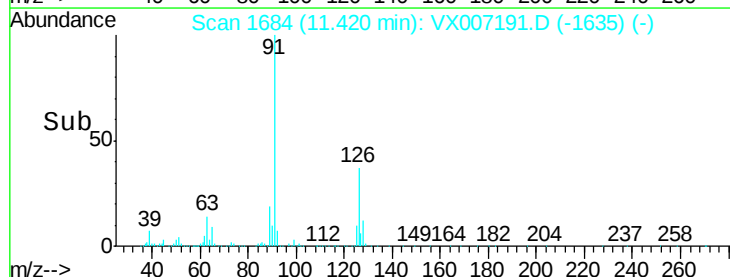
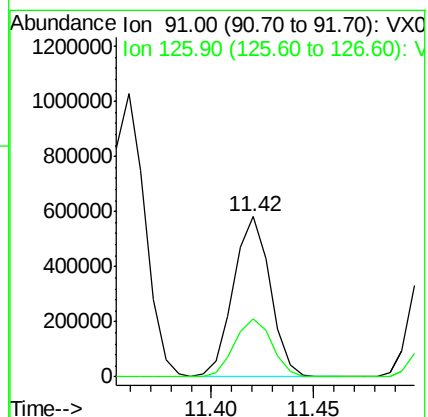
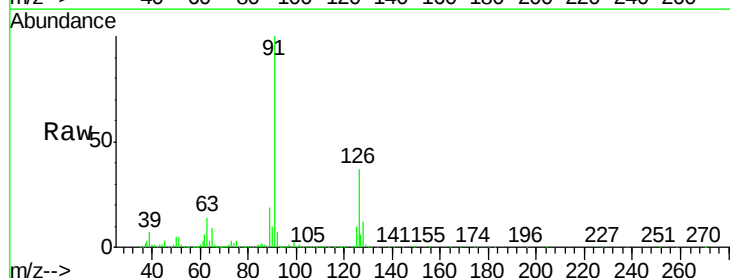
Acq: 22 Jan 2019 19:28

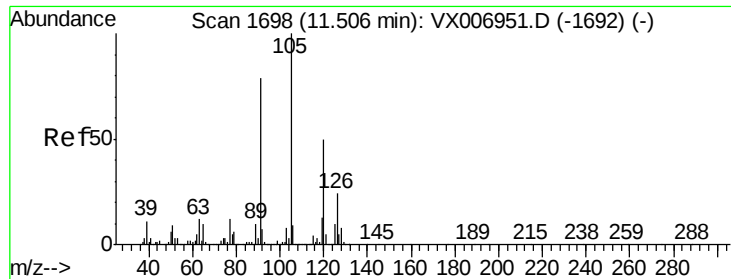
Tgt Ion: 91 Resp: 723779

Ion Ratio Lower Upper

91 100

126 37.5 18.6 56.0





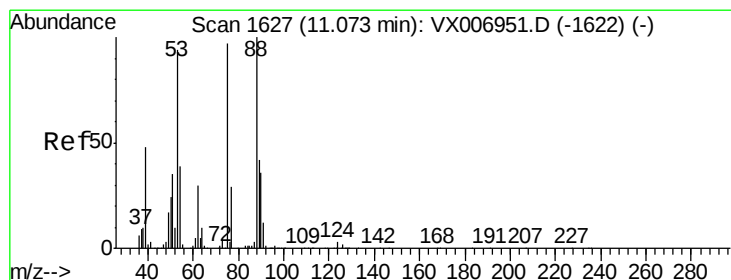
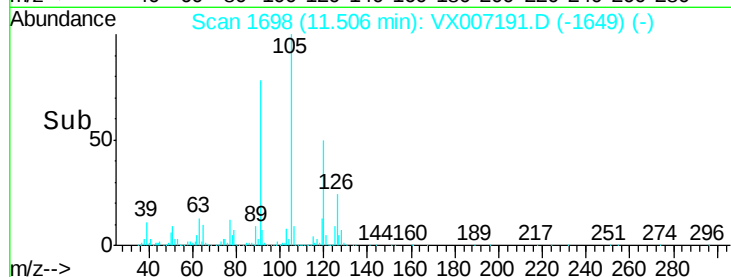
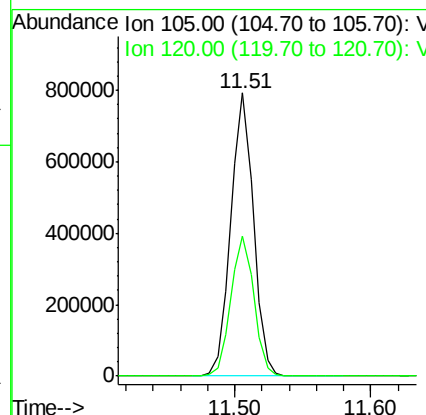
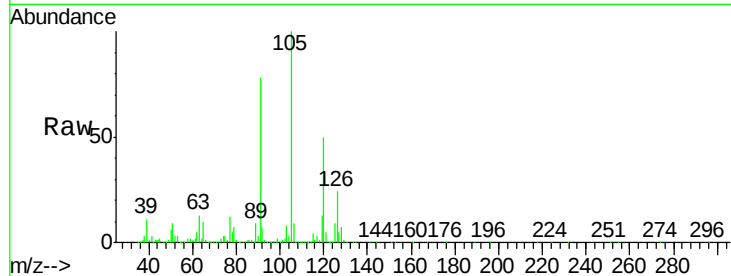
#80
 1,3,5-Trimethylbenzene
 Concen: 47.391 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.5	25.1	75.3

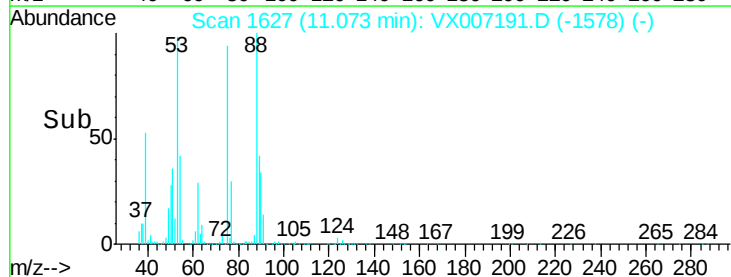
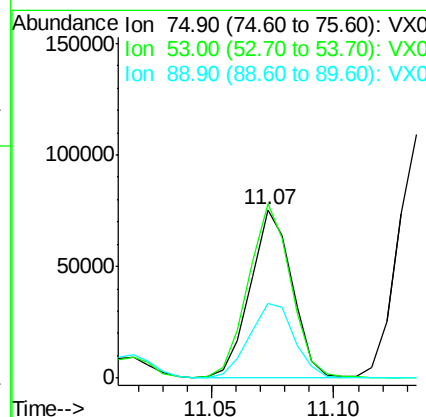
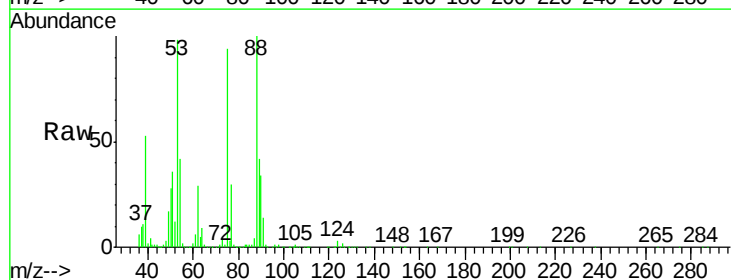
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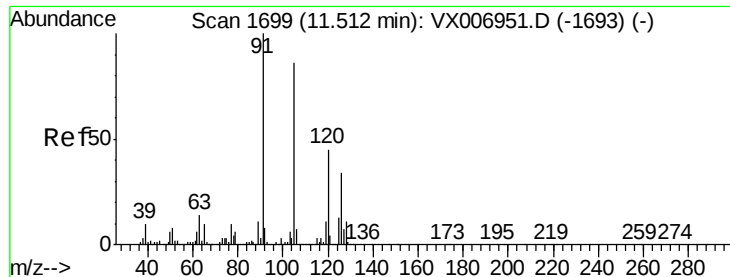
MMDadoda
 1/23/2019 11:29:34 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.588 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
53	104.5	79.7	119.5
89	48.2	38.0	57.0





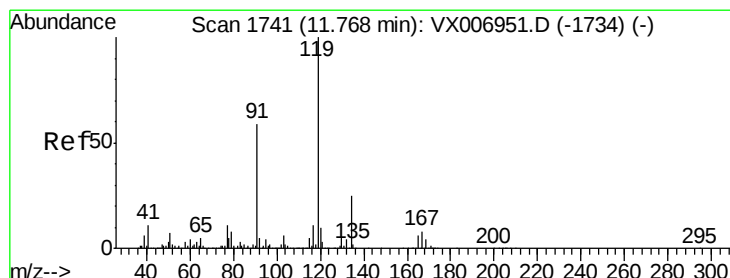
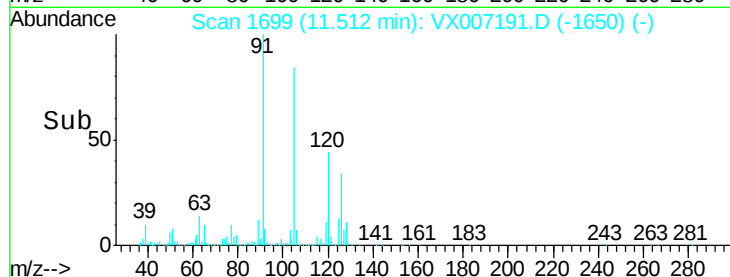
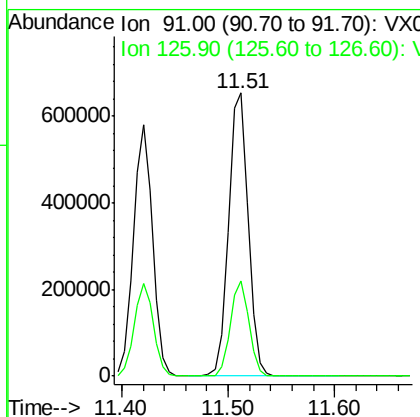
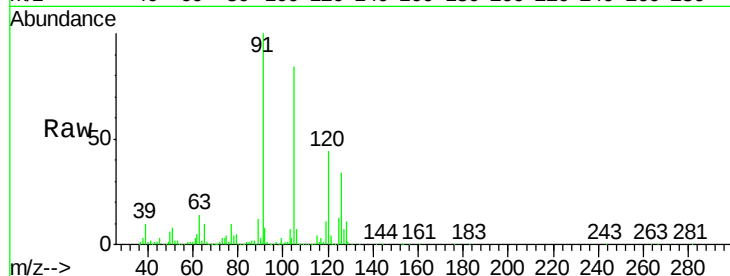
#82
4-Chlorotoluene
Concen: 47.755 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion: 91 Resp: 842706
Ion Ratio Lower Upper
91 100
126 32.3 16.3 48.9

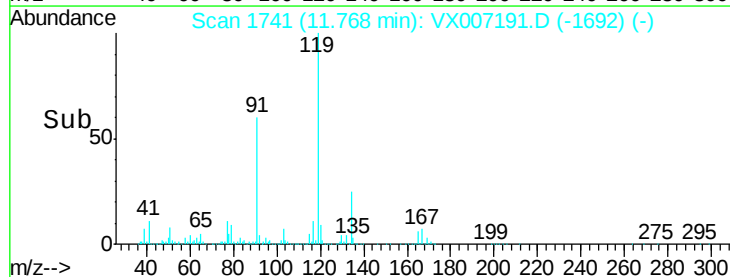
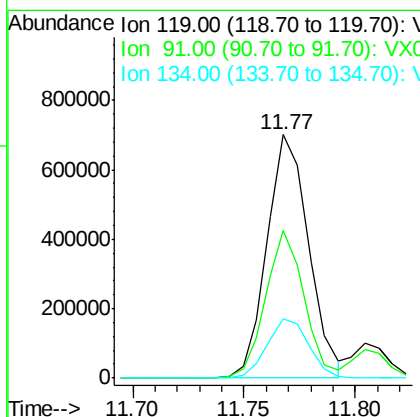
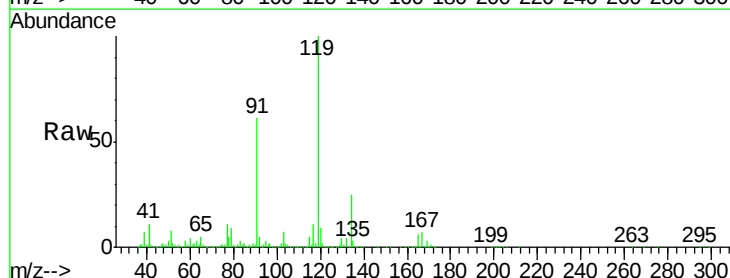
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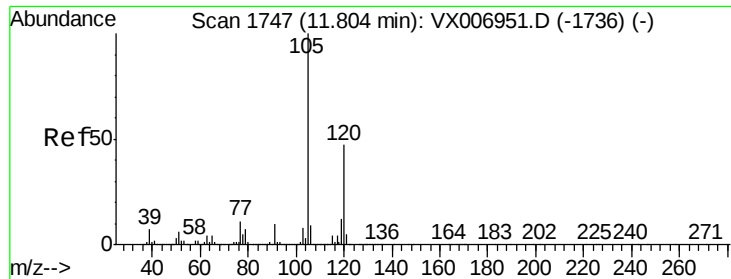
MMDadoda
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#83
tert-Butylbenzene
Concen: 47.361 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion: 119 Resp: 910631
Ion Ratio Lower Upper
119 100
91 56.2 27.7 83.1
134 24.4 11.9 35.5





#84

1,2,4-Trimethylbenzene

Concen: 48.684 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion:105 Resp: 943437

Ion Ratio Lower Upper

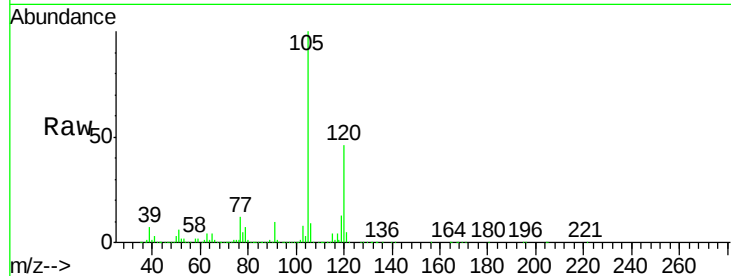
105 100

120 46.3 23.2 69.6

Manual Integrations
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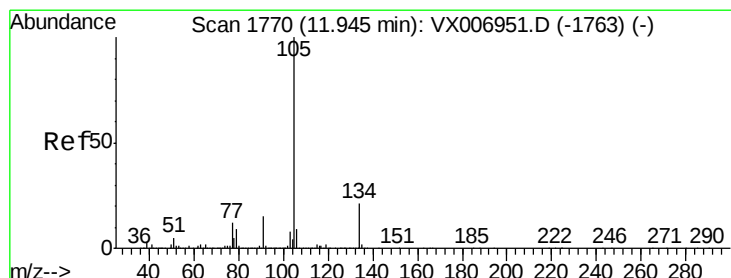
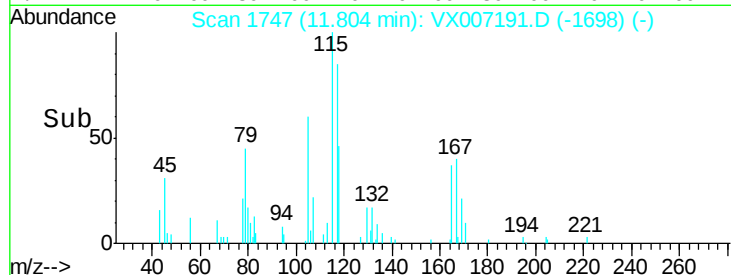
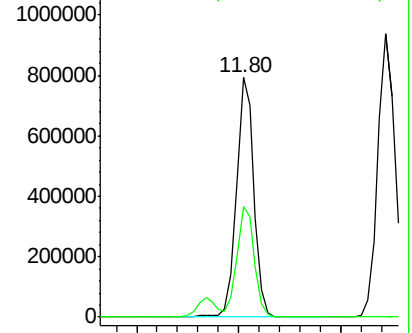
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 48.470 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007191.D

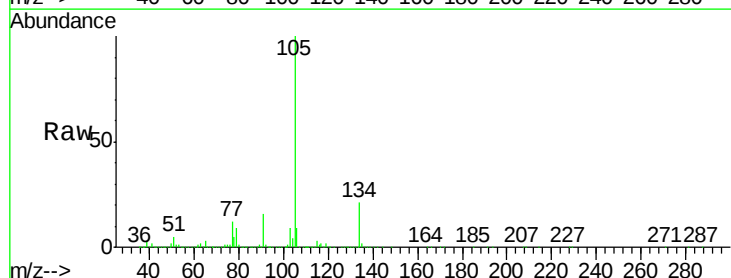
Acq: 22 Jan 2019 19:28

Tgt Ion:105 Resp: 1113000

Ion Ratio Lower Upper

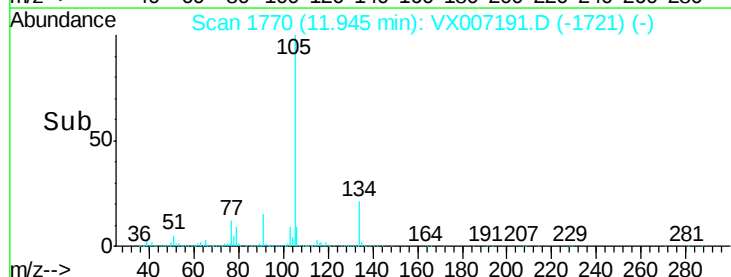
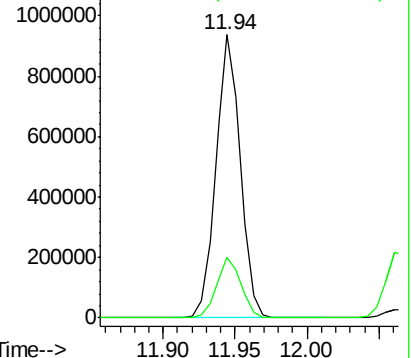
105 100

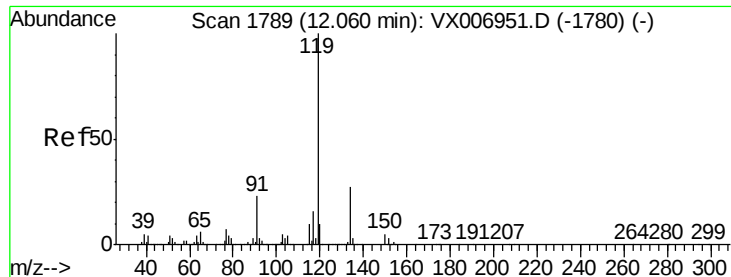
134 21.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





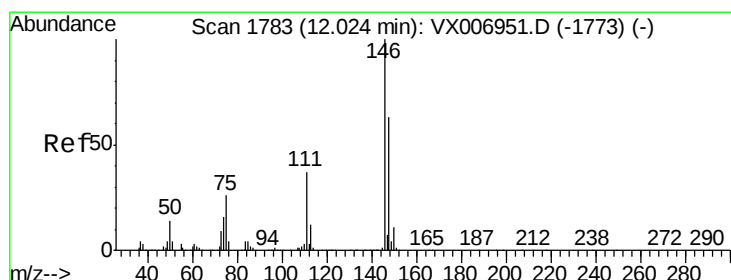
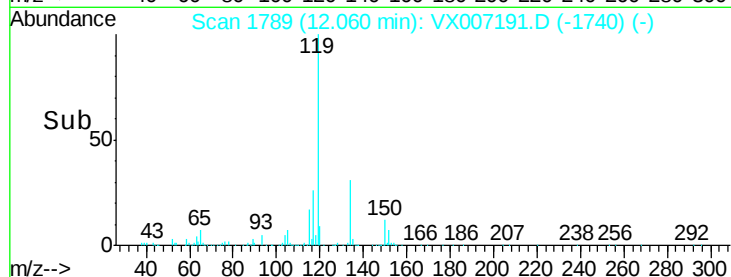
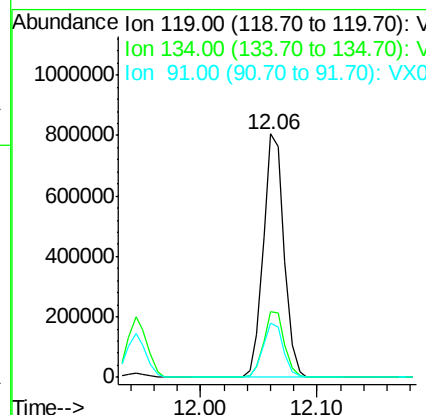
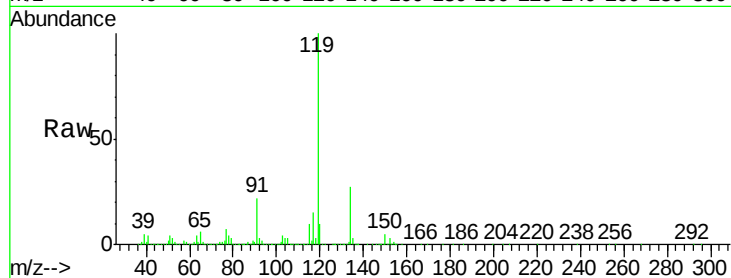
#86
p-Isopropyltoluene
Concen: 48.443 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	995004		
134	27.1	14.0	41.9	
91	22.1	11.3	33.9	

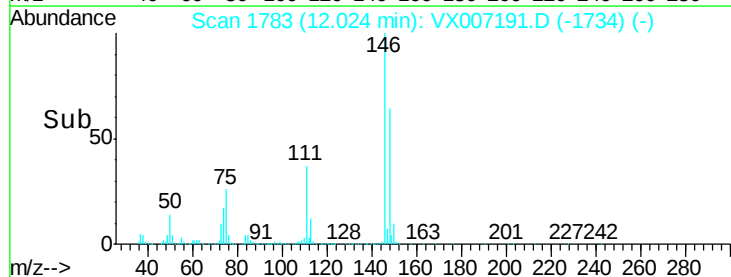
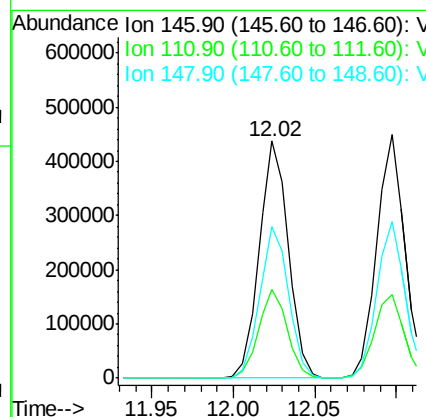
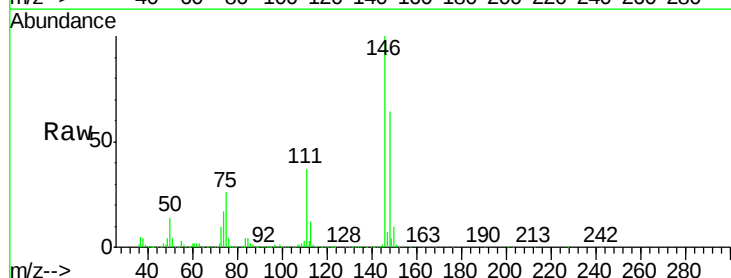
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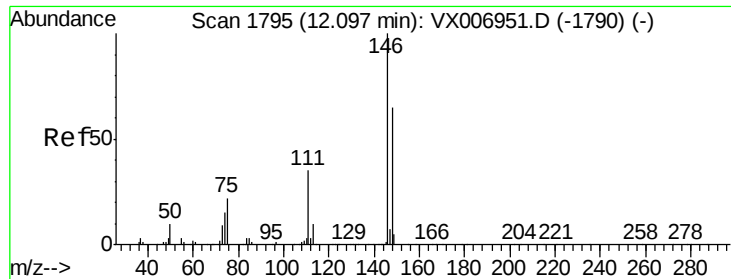
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#87
1,3-Dichlorobenzene
Concen: 47.124 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	541274		
111	36.8	18.6	55.8	
148	63.7	31.8	95.3	





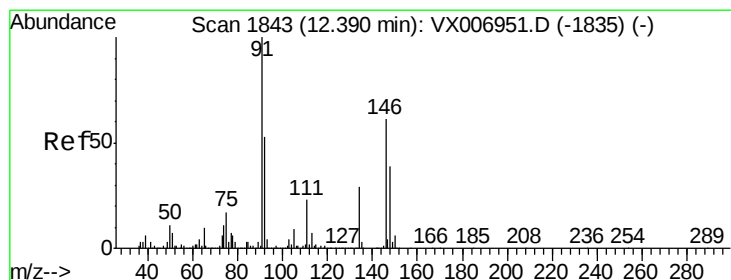
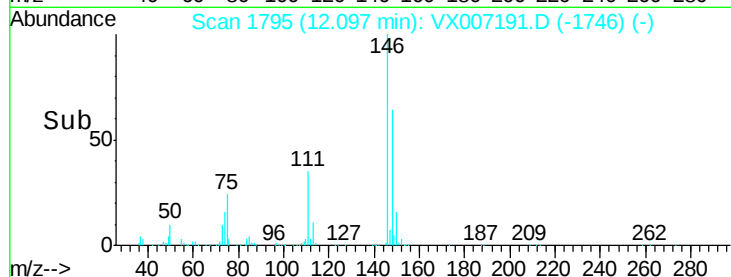
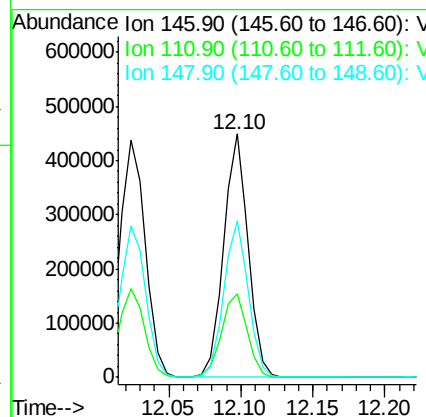
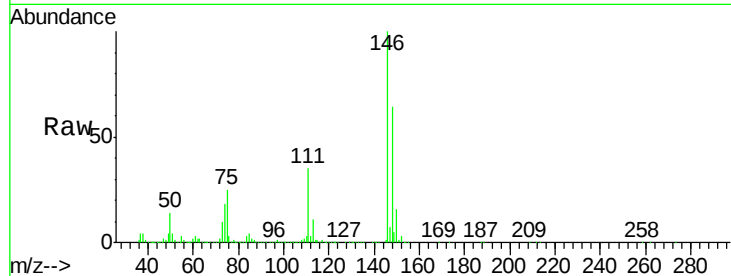
#88
 1,4-Dichlorobenzene
 Concen: 49.287 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	536365		
111	36.3		18.1	54.1
148	64.5		31.9	95.9

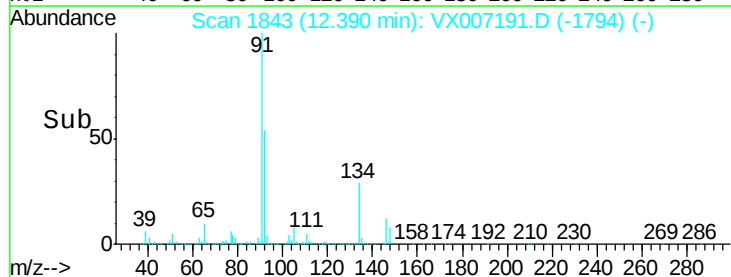
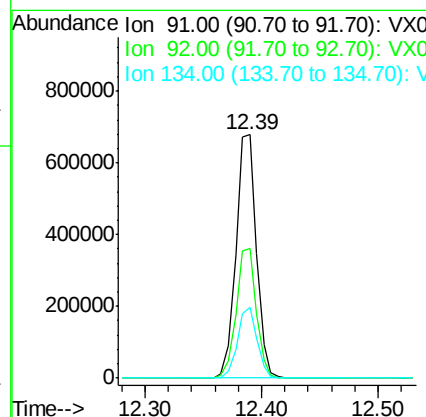
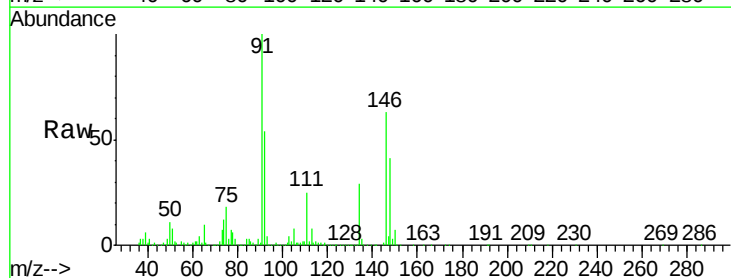
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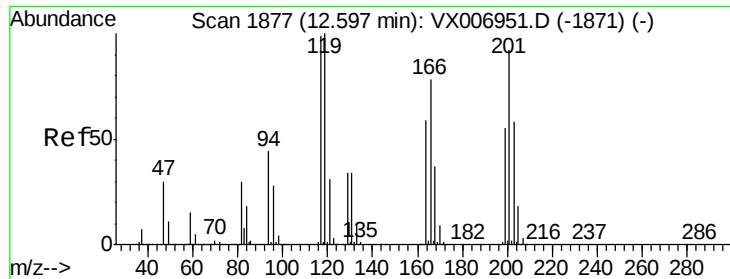
MMDadoda
 1/23/2019 11:29:34 AM



#89
 n-Butylbenzene
 Concen: 47.309 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	828342		
92	52.7		26.8	80.4
134	28.1		14.4	43.2





#90

Hexachloroethane

Concen: 46.886 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion:117 Resp: 153110

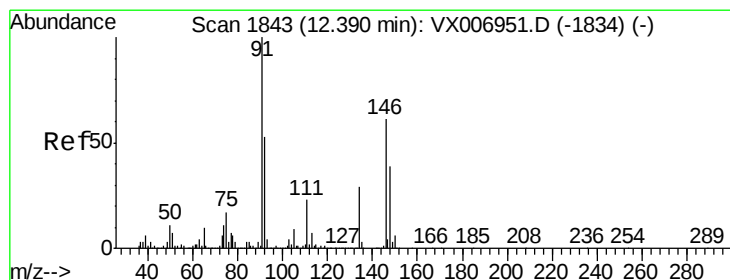
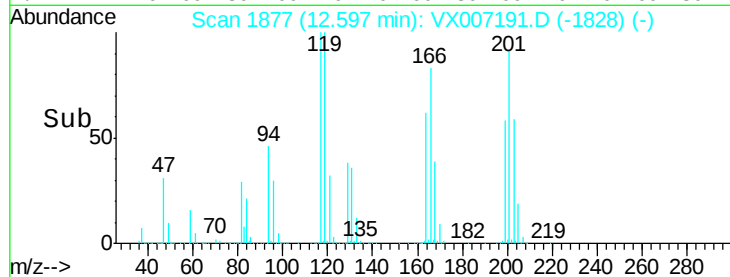
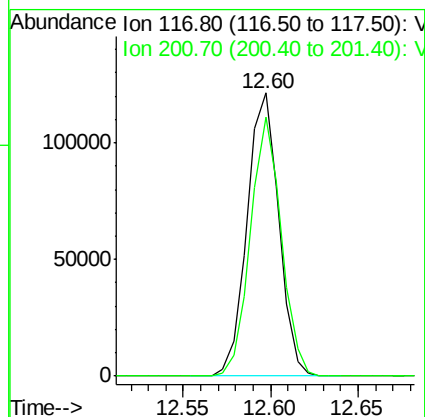
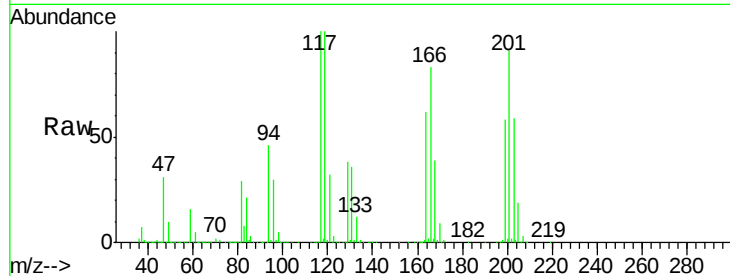
Ion Ratio Lower Upper

117 100

201 89.0 42.9 128.7

Manual Integrations
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#91

1,2-Dichlorobenzene

Concen: 46.875 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

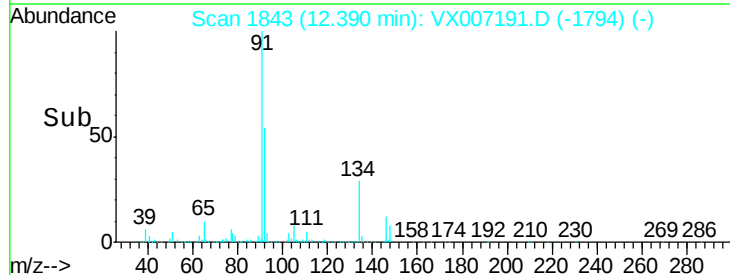
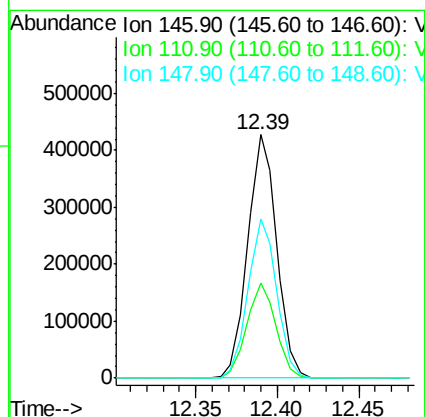
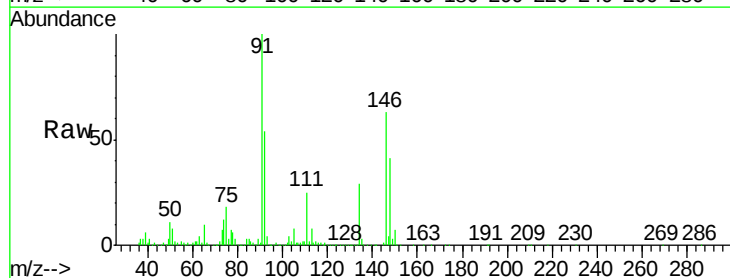
Tgt Ion:146 Resp: 531336

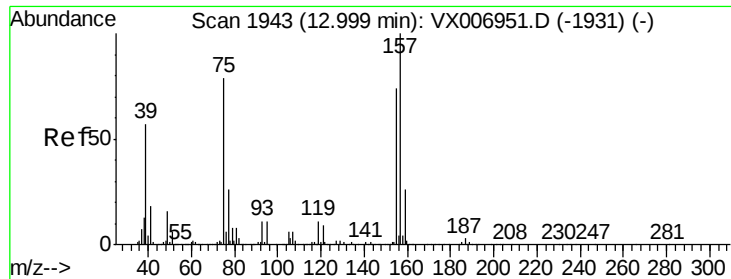
Ion Ratio Lower Upper

146 100

111 39.1 19.4 58.2

148 64.7 32.3 96.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.323 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

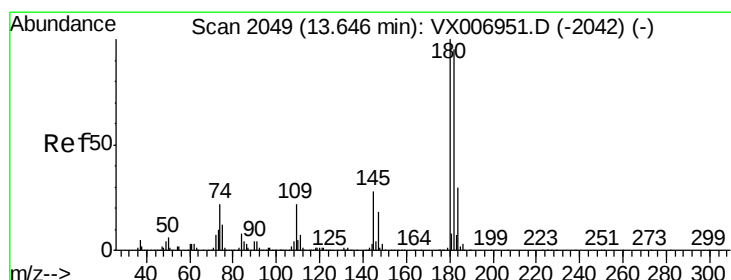
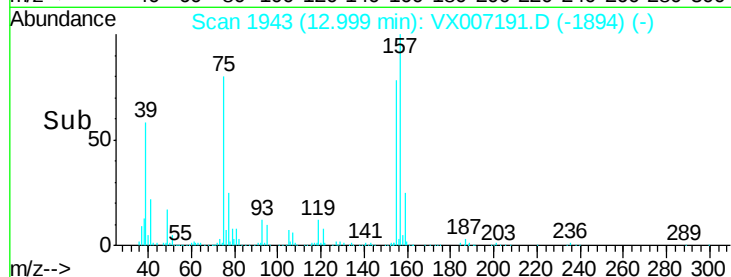
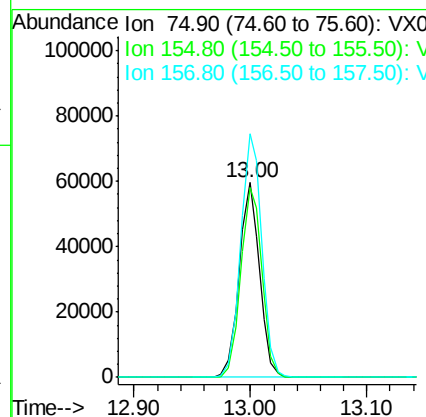
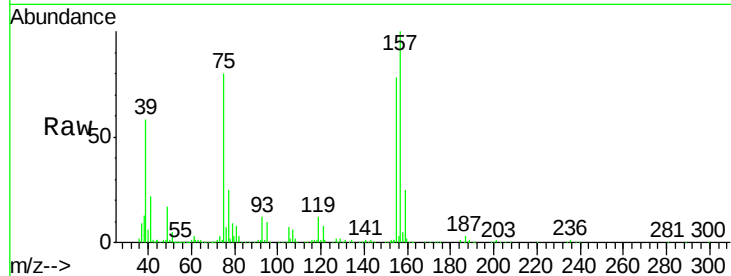
ClientSampleId :

SA-TW524-2327MS

Tot Ion:	75	Resp:	72872
Ion	Ratio	Lower	Upper
75	100		
155	101.0	50.6	151.8
157	129.0	64.6	193.8

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 47.402 ug/l

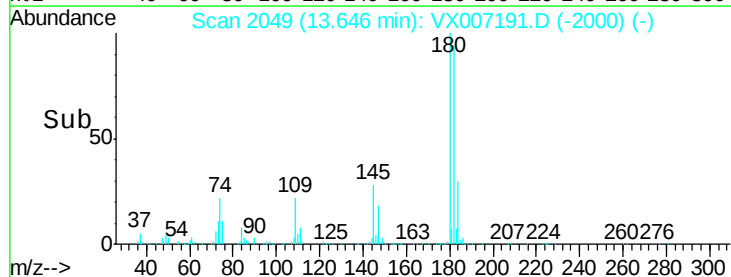
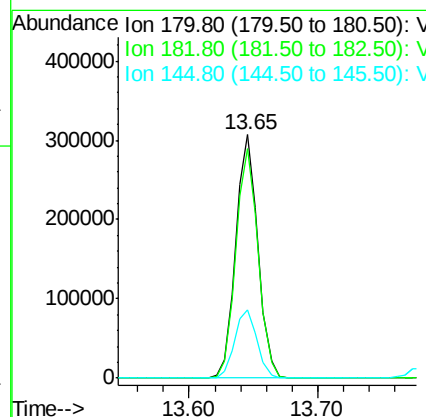
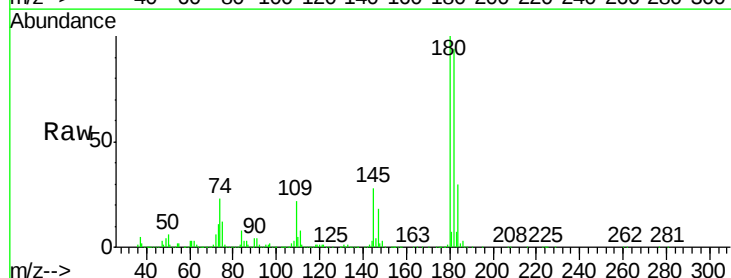
RT: 13.65 min Scan# 2049

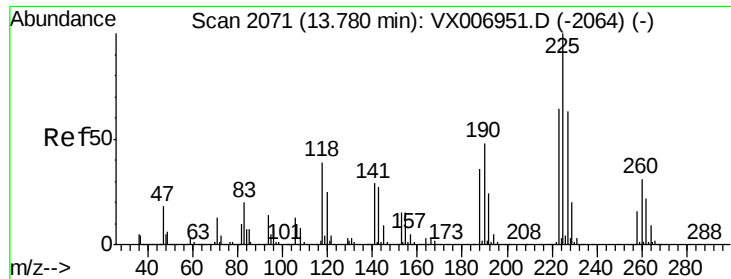
Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion:	180	Resp:	368634
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	28.6	14.8	44.3





#94

Hexachlorobutadiene

Concen: 48.943 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

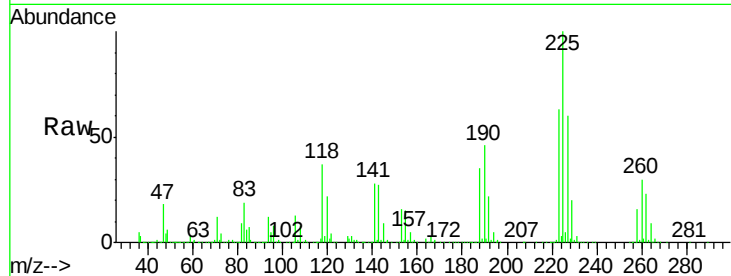
ClientSampleId :

SA-TW524-2327MS

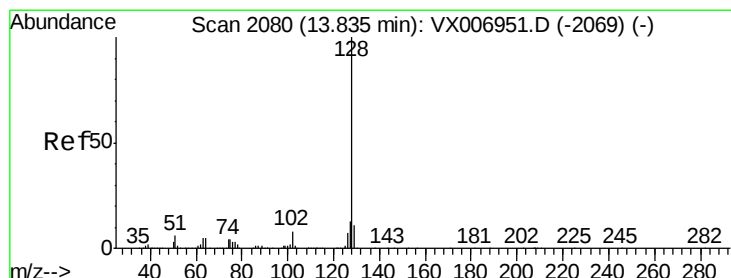
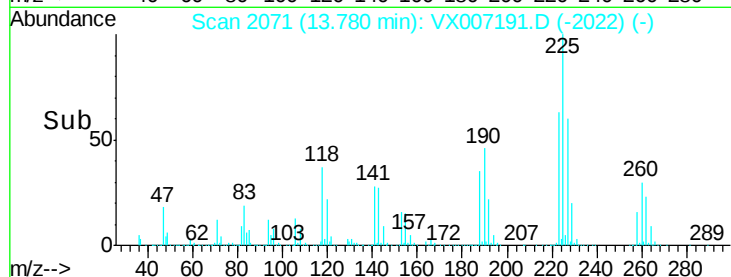
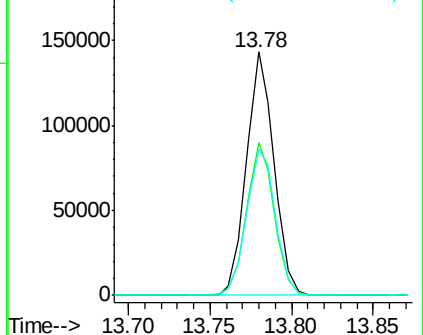
Tot Ion:	225	Resp:	168907
Ion Ratio		Lower	Upper
225	100		
223	62.7	32.1	96.3
227	62.9	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
1/23/2019 11:29:34 AM



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: 48.777 ug/l

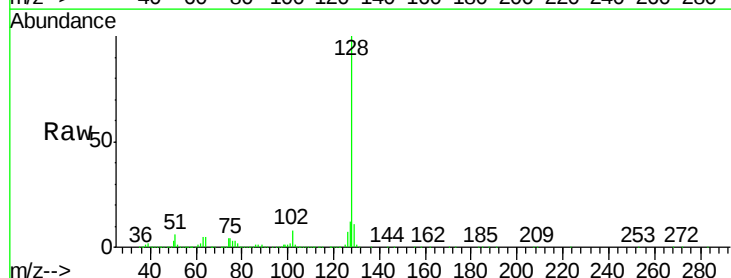
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

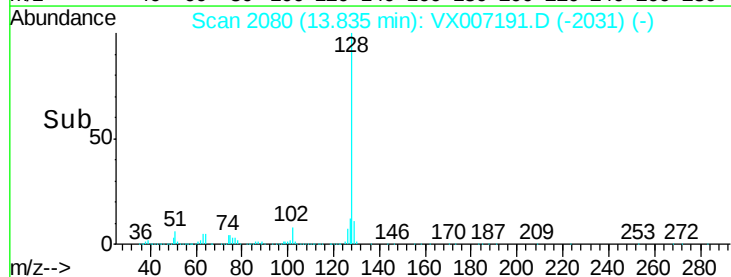
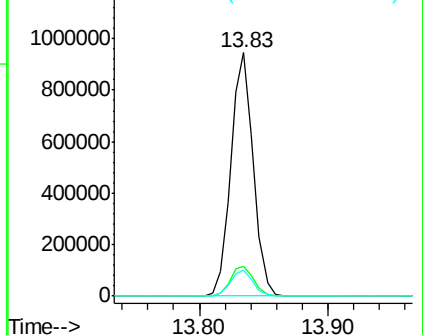
Lab File: VX007191.D

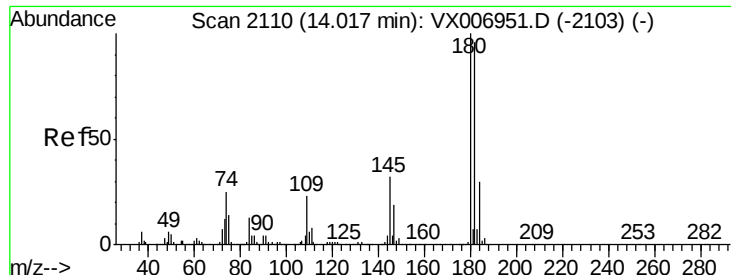
Acq: 22 Jan 2019 19:28

Tgt Ion:	128	Resp:	1149447
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	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: 47.430 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.2	48.5	145.5
145	30.9	16.0	47.9

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:29:34 AM

