

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012419\
 Data File : VX007195.D
 Acq On : 24 Jan 2019 10:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:30:27 AM

Quant Time: Jan 25 00:14:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	482355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	695660	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	642155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	342702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	243708	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	5.50	113	223554	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	8.71	98	826273	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	11.13	95	301538	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	186471	47.076	ug/l	99
3) Chloromethane	1.33	50	205855	44.642	ug/l	99
4) Vinyl Chloride	1.41	62	220881	44.530	ug/l	99
5) Bromomethane	1.64	94	226461	42.732	ug/l	96
6) Chloroethane	1.71	64	148191	42.786	ug/l	99
7) Trichlorofluoromethane	1.93	101	372366	46.460	ug/l	99
8) Diethyl Ether	2.19	74	144975	45.467	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	228719	47.666	ug/l	99
10) Methyl Iodide	2.51	142	329623	50.926	ug/l	100
11) Tert butyl alcohol	3.08	59	283792	238.652	ug/l	99
12) 1,1-Dichloroethene	2.37	96	201358	45.420	ug/l	99
13) Acrolein	2.30	56	158820	308.940	ug/l	99
14) Allyl chloride	2.73	41	358962	47.246	ug/l	99
15) Acrylonitrile	3.15	53	679784	249.019	ug/l	100
16) Acetone	2.45	43	667696	267.923	ug/l	100
17) Carbon Disulfide	2.57	76	450788	39.495	ug/l	100
18) Methyl Acetate	2.78	43	373496	51.752	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	739617	48.067	ug/l	98
20) Methylene Chloride	2.86	84	235597	49.700	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	216209	43.764	ug/l	98
22) Diisopropyl ether	3.87	45	690189	48.321	ug/l	94
23) Vinyl Acetate	3.82	43	2891283	240.028	ug/l	99
24) 1,1-Dichloroethane	3.70	63	405412	50.760	ug/l	98
25) 2-Butanone	4.70	43	928664	260.432	ug/l	96
26) 2,2-Dichloropropane	4.59	77	297614	48.459	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	250538	45.976	ug/l	96
28) Bromochloromethane	5.02	49	168043	48.022	ug/l	97
29) Tetrahydrofuran	5.15	42	566942	244.649	ug/l	97
30) Chloroform	5.21	83	407872	48.776	ug/l	100
31) Cyclohexane	5.57	56	320535	45.091	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	350235	49.413	ug/l	99
36) 1,1-Dichloropropene	5.80	75	287445	47.526	ug/l	99
37) Ethyl Acetate	4.85	43	328276	50.627	ug/l	98
38) Carbon Tetrachloride	5.78	117	306716	50.404	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	366556	47.540	ug/l	100
40) Benzene	6.14	78	890806	48.270	ug/l	99
41) Methacrylonitrile	5.06	41	183131	49.026	ug/l	98
42) 1,2-Dichloroethane	6.20	62	306238	48.020	ug/l	100
43) Isopropyl Acetate	6.46	43	524785	51.309	ug/l	97
44) Trichloroethene	7.21	130	261558	47.296	ug/l	92
45) 1,2-Dichloropropane	7.51	63	228144	49.173	ug/l	99
46) Dibromomethane	7.66	93	162303	49.775	ug/l	97
47) Bromodichloromethane	7.90	83	295289	53.203	ug/l	97
48) Methyl methacrylate	7.77	41	268632	51.144	ug/l	97
49) 1,4-Dioxane	7.75	88	123732	1031.804	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1752105	266.557	ug/l	99
52) Toluene	8.78	92	588321	49.599	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	328987	53.455	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	360998	53.114	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	254160	53.533	ug/l	99
56) Ethyl methacrylate	9.18	69	363019	52.375	ug/l	96
57) 1,3-Dichloropropane	9.37	76	396305	50.951	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	942561	264.492	ug/l	99
59) 2-Hexanone	9.49	43	1356001	270.709	ug/l	99
60) Dibromochloromethane	9.59	129	264599	57.394	ug/l	99
61) 1,2-Dibromoethane	9.67	107	269816	51.622	ug/l	100
64) Tetrachloroethene	9.34	164	277725	49.954	ug/l	98
65) Chlorobenzene	10.13	112	686346	49.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	256096	54.355	ug/l	99
67) Ethyl Benzene	10.25	91	1139888	49.299	ug/l	99
68) m/p-Xylenes	10.36	106	908785	99.761	ug/l	100
69) o-Xylene	10.70	106	441576	49.704	ug/l	98
70) Styrene	10.71	104	717006	50.958	ug/l	99
71) Bromoform	10.86	173	201951	48.107	ug/l	99
73) Isopropylbenzene	11.02	105	1192312	49.340	ug/l	99
74) N-amyl acetate	10.90	43	467726	48.073	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	368368	48.017	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	348488m	50.180	ug/l	
77) Bromobenzene	11.26	156	320503	48.135	ug/l	99
78) n-propylbenzene	11.36	91	1341008	50.550	ug/l	98
79) 2-Chlorotoluene	11.42	91	771613	48.320	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	992119	49.134	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	107194	46.840	ug/l	99
82) 4-Chlorotoluene	11.51	91	908171	49.118	ug/l	99
83) tert-Butylbenzene	11.77	119	973258	48.310	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1004111	49.452	ug/l	99
85) sec-Butylbenzene	11.94	105	1222430	50.808	ug/l	100
86) p-Isopropyltoluene	12.07	119	1091947	50.739	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	583951	48.521	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	587398	51.508	ug/l	100
89) n-Butylbenzene	12.39	91	953886	51.995	ug/l	99
90) Hexachloroethane	12.60	117	173056	50.349	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	580561	48.882	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	80631	53.142	ug/l	97

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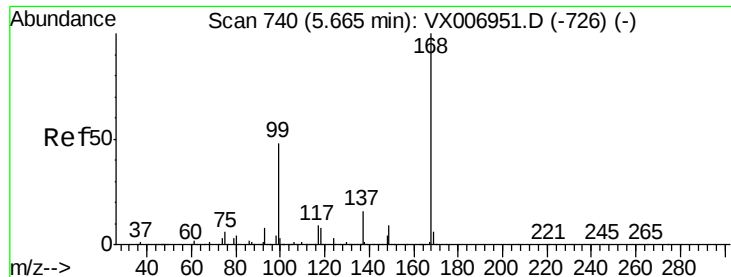
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	416945	51.169	ug/l	99
94) Hexachlorobutadiene	13.78	225	195853	54.164	ug/l	98
95) Naphthalene	13.83	128	1254303	50.800	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	416098	51.405	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 482355

Ion Ratio Lower Upper

168 100

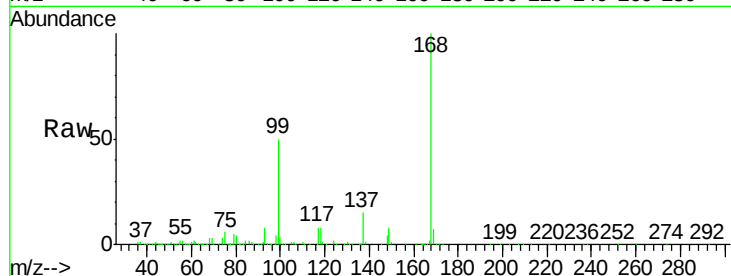
99 49.7 41.8 62.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

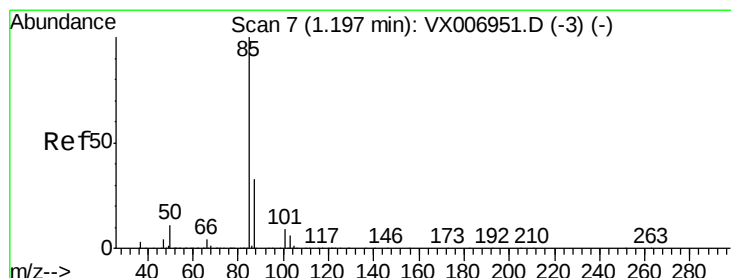
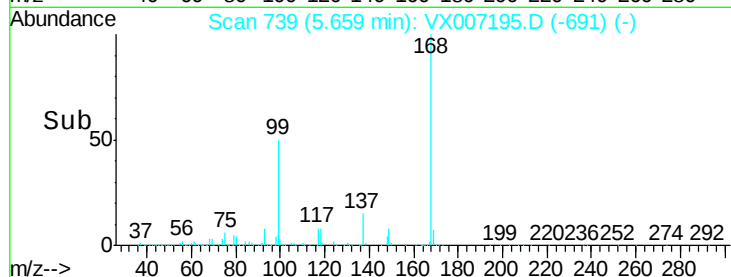
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.076 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007195.D

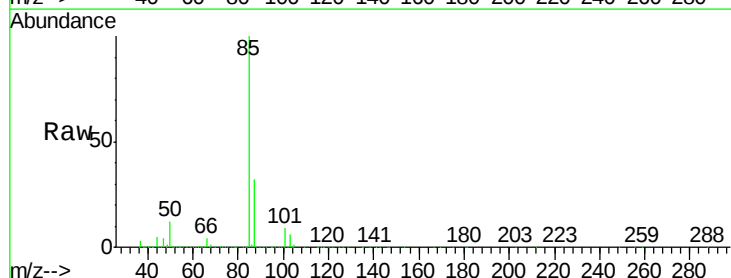
Acq: 24 Jan 2019 10:36

Tgt Ion: 85 Resp: 186471

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

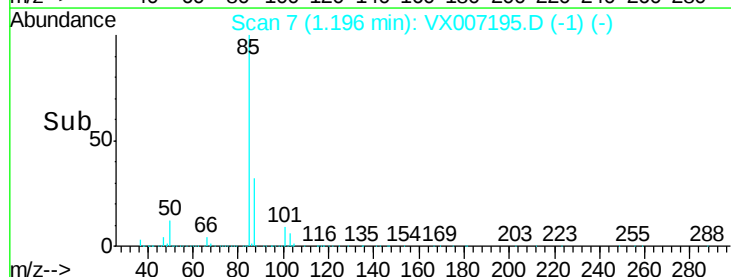
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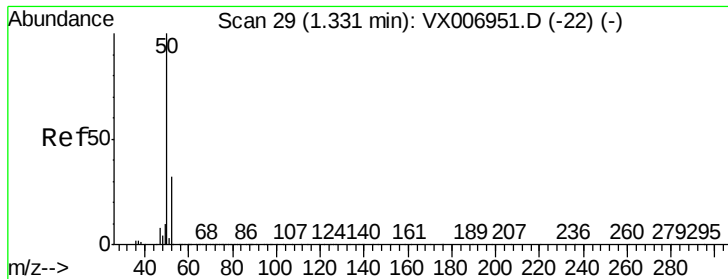
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 44.642 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 205855

Ion Ratio Lower Upper

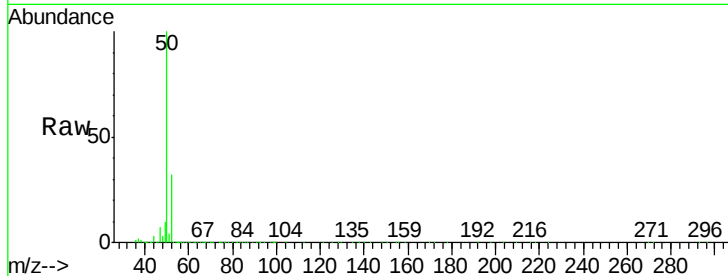
50 100

52 32.2 25.4 38.2

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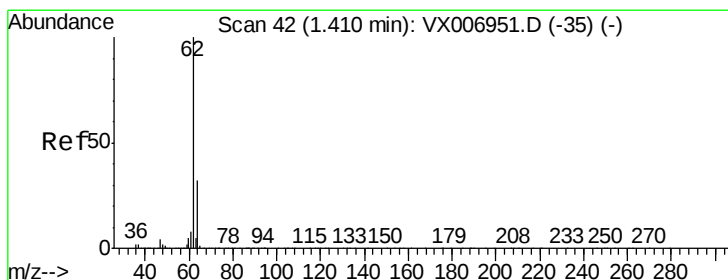
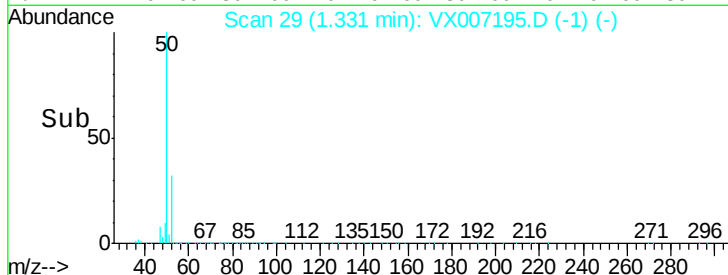
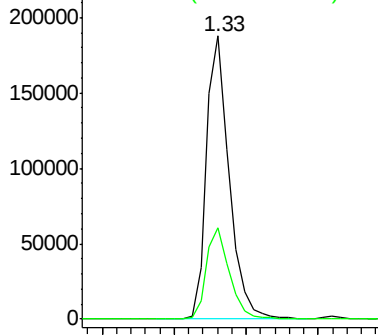
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.530 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007195.D

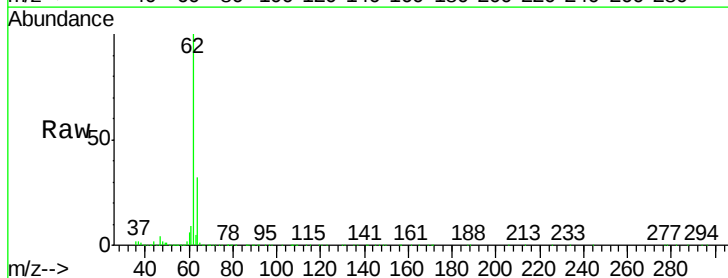
Acq: 24 Jan 2019 10:36

Tgt Ion: 62 Resp: 220881

Ion Ratio Lower Upper

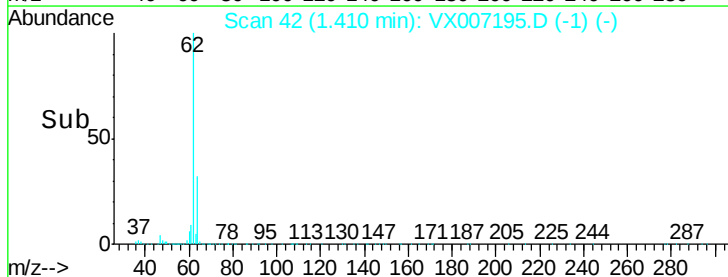
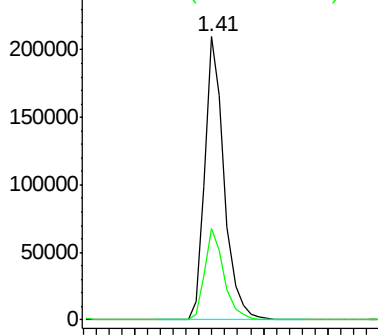
62 100

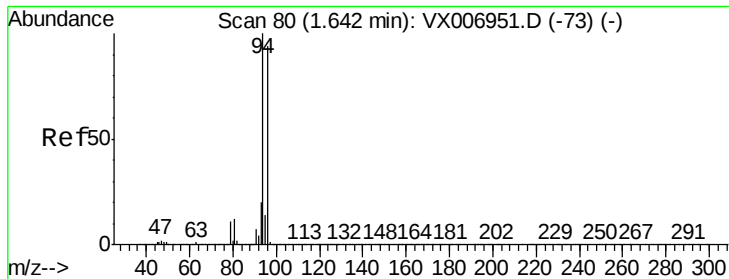
64 32.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.732 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 226461

Ion Ratio Lower Upper

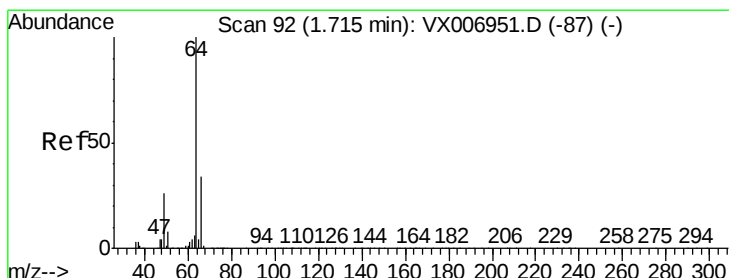
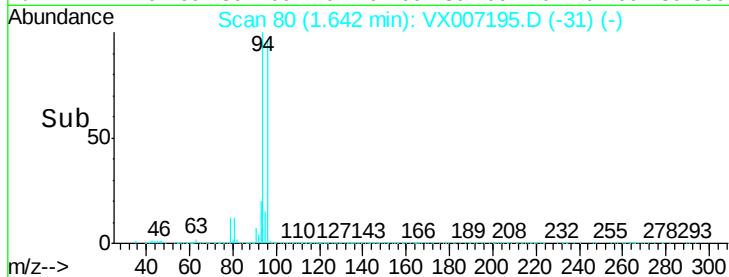
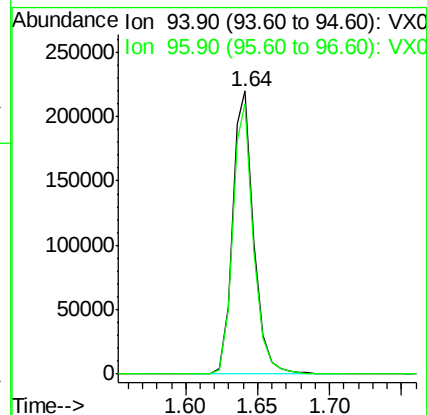
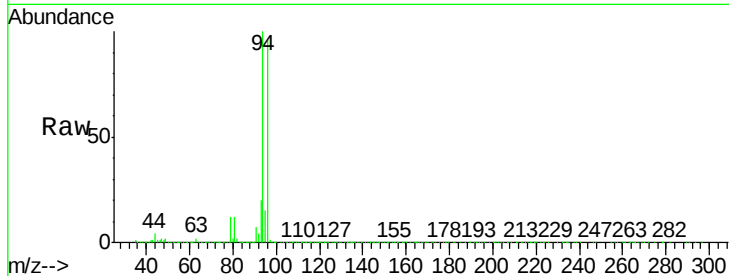
94 100

96 95.5 73.4 110.2

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1/25/2019 10:30:27 AM



#6

Chloroethane

Concen: 42.786 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007195.D

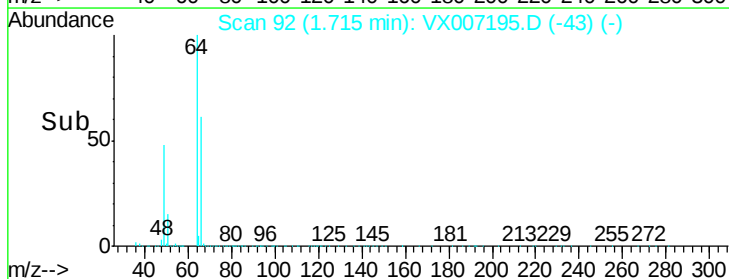
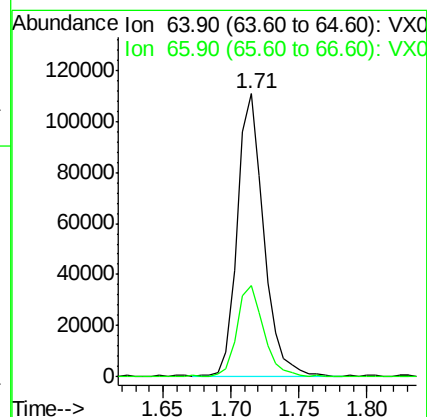
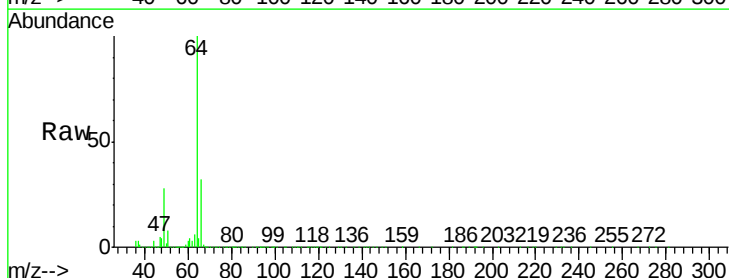
Acq: 24 Jan 2019 10:36

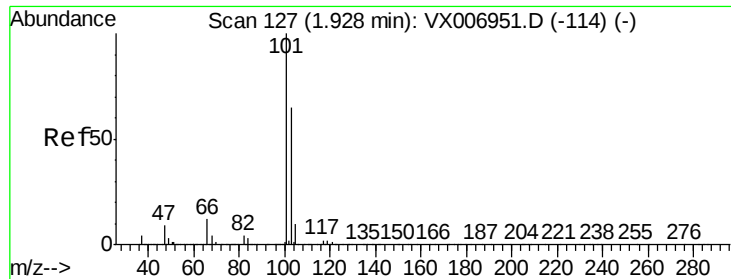
Tgt Ion: 64 Resp: 148191

Ion Ratio Lower Upper

64 100

66 32.3 26.4 39.6





#7

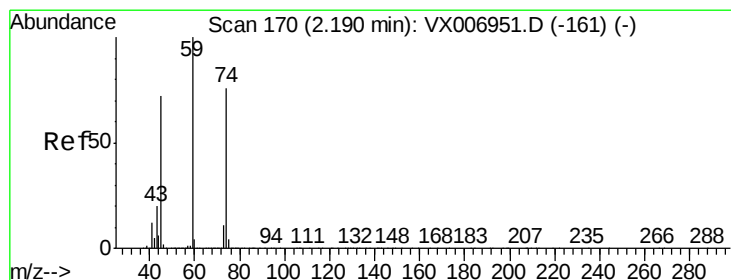
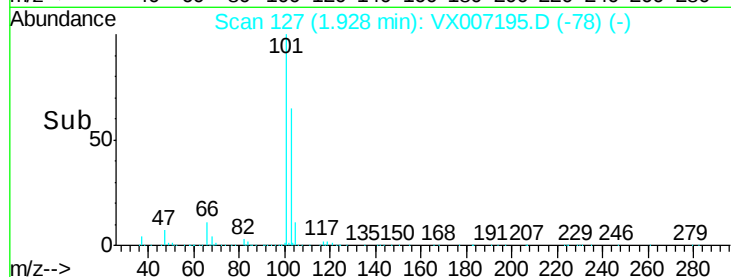
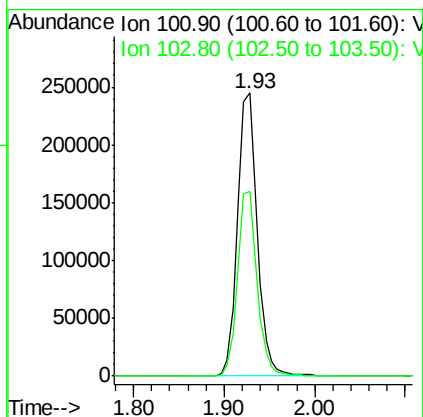
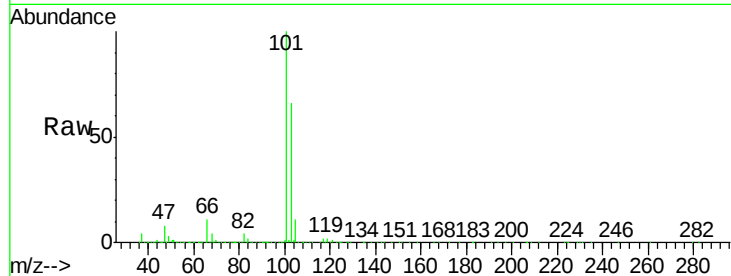
Trichlorofluoromethane
Concen: 46.460 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.2	79.8

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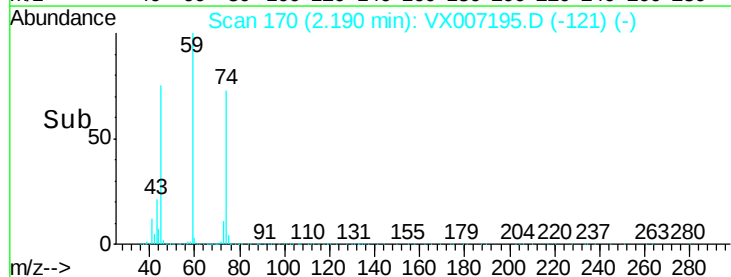
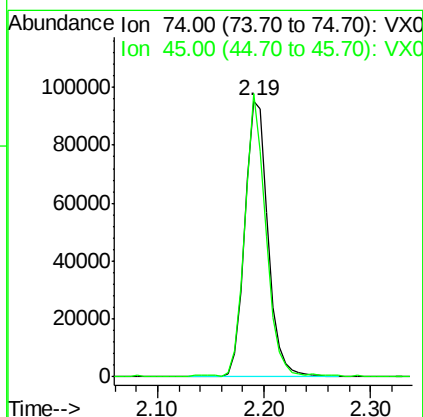
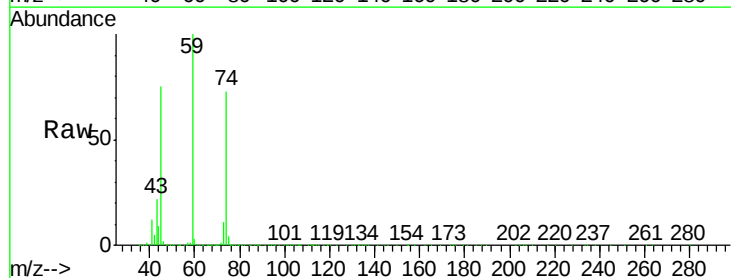
MMDadoda
1/25/2019 10:30:27 AM

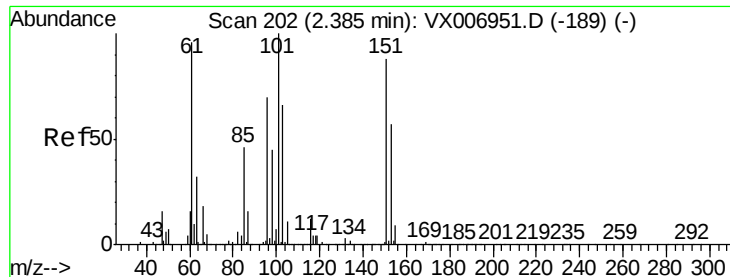


#8

Diethyl Ether
Concen: 45.467 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.666 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

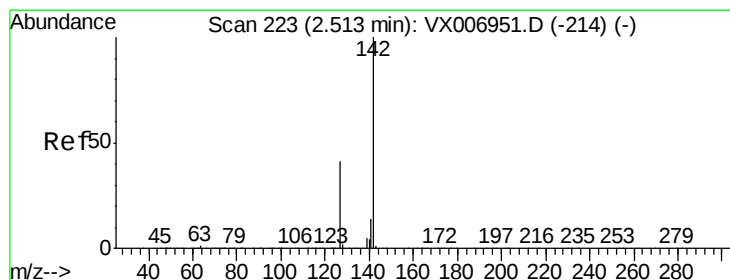
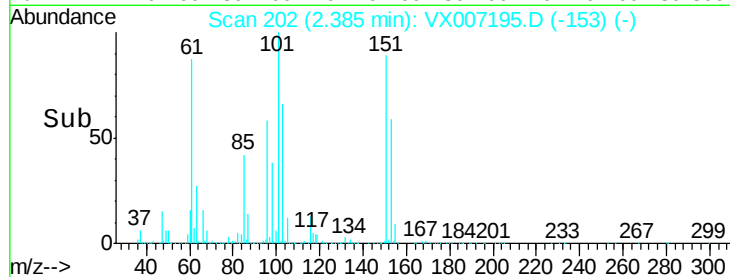
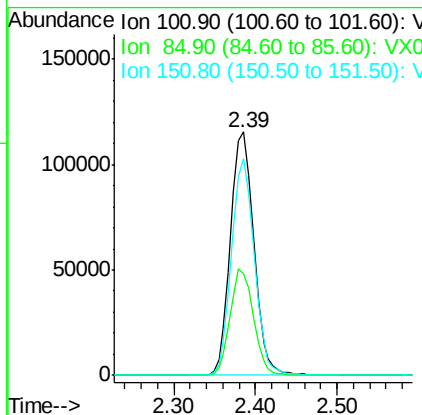
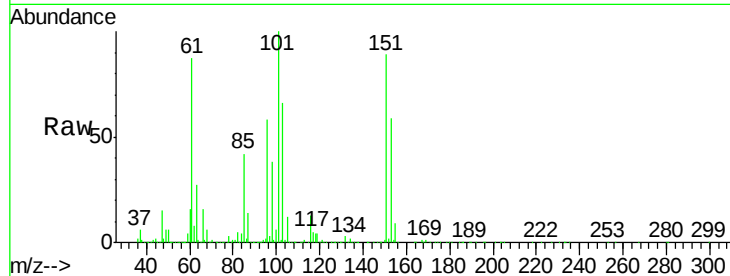
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	228719
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.1	52.7
151	86.9	68.9	103.3

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#10

Methyl Iodide

Concen: 50.926 ug/l

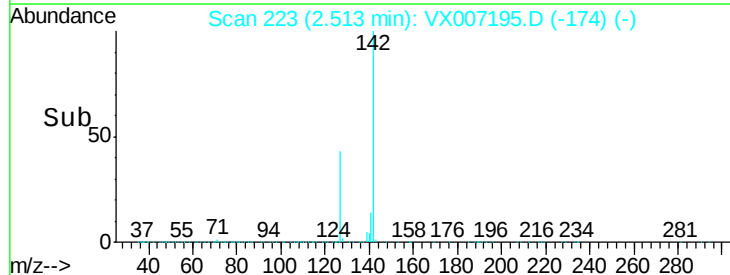
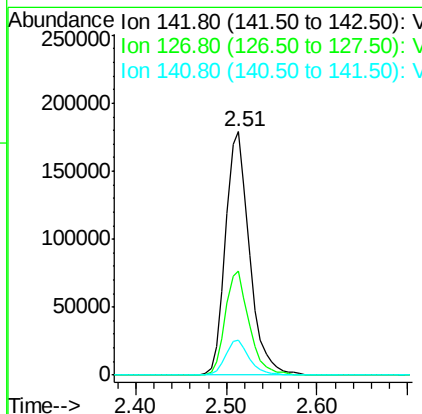
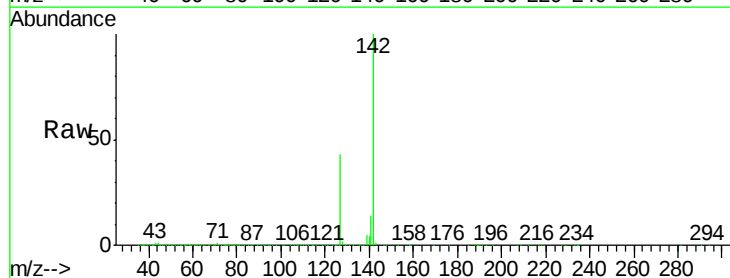
RT: 2.51 min Scan# 223

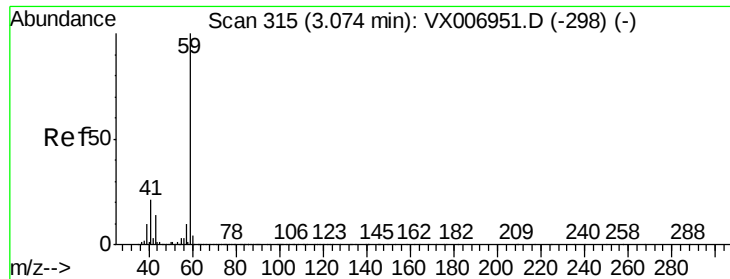
Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion:	142	Resp:	329623
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.9	50.9
141	14.3	11.4	17.0





#11

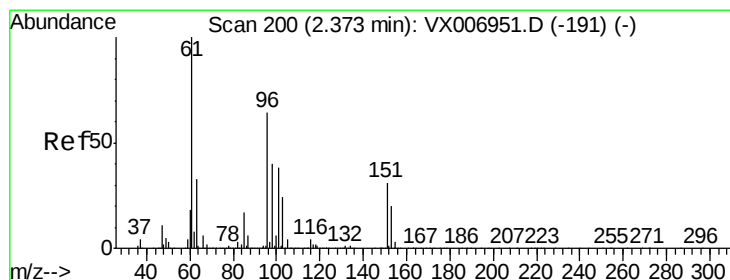
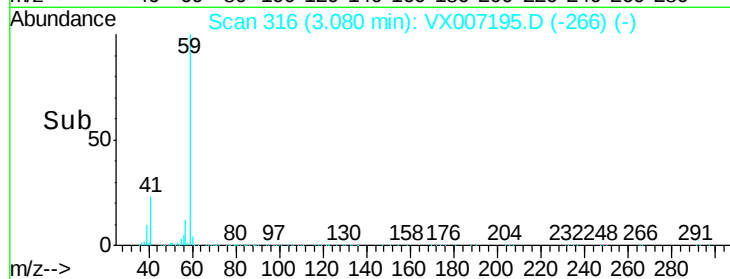
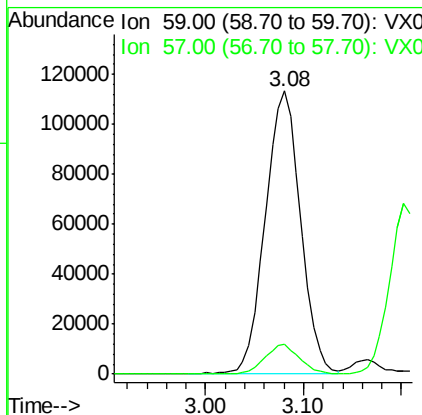
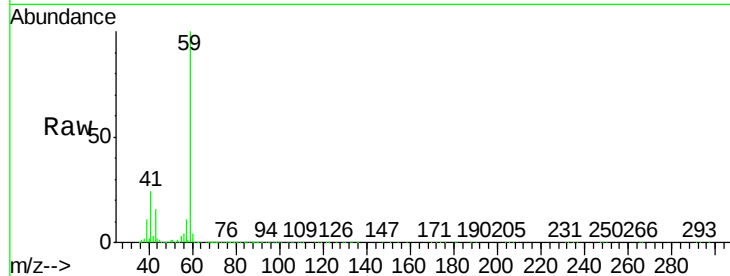
Tert butyl alcohol
Concen: 238.652 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

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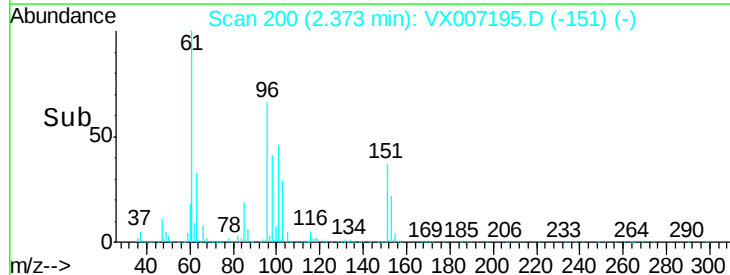
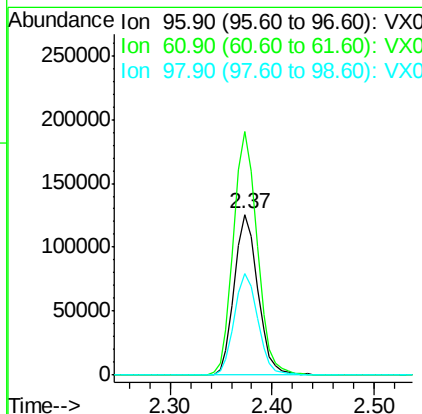
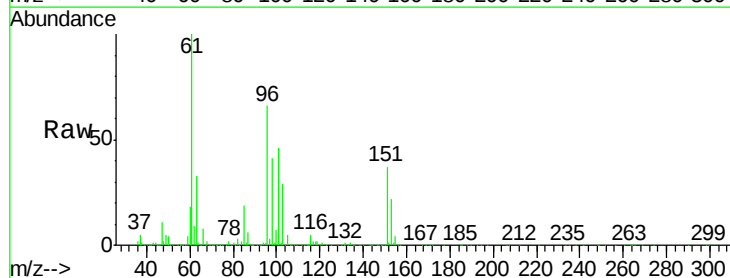
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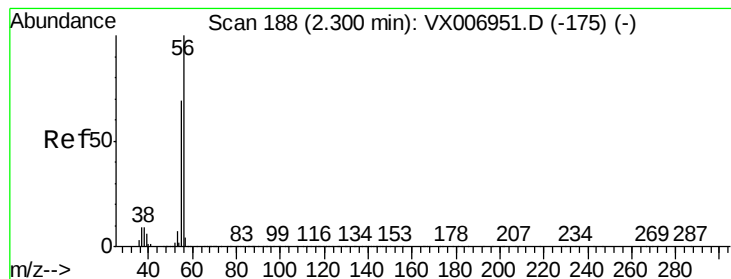


#12

1,1-Dichloroethene
Concen: 45.420 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.5	121.4	182.2
98	62.8	51.9	77.9





#13

Acrolein

Concen: 308.940 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 158820

Ion Ratio Lower Upper

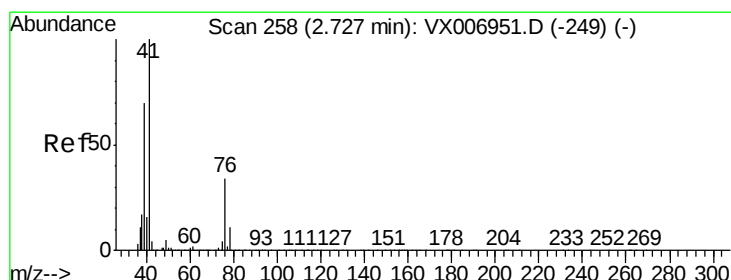
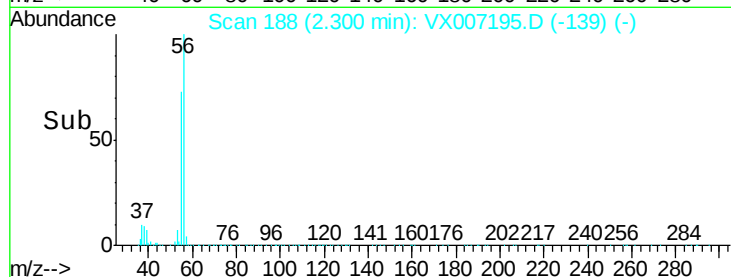
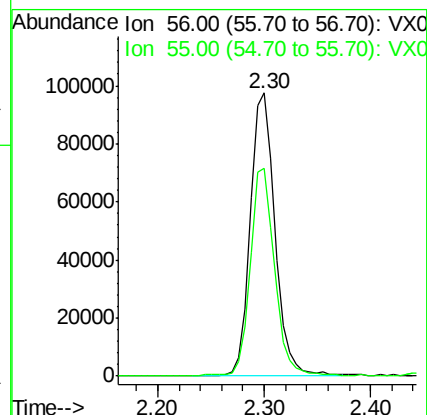
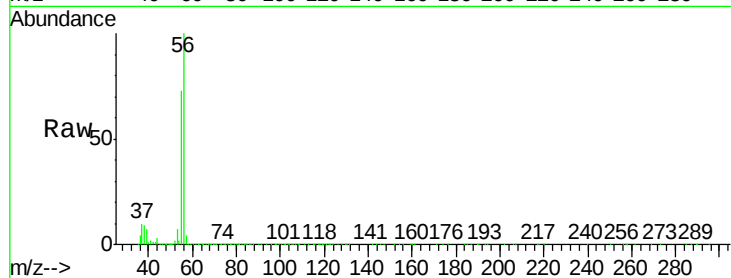
56 100

55 72.3 58.2 87.4

Manual Integrations
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#14

Allyl chloride

Concen: 47.246 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

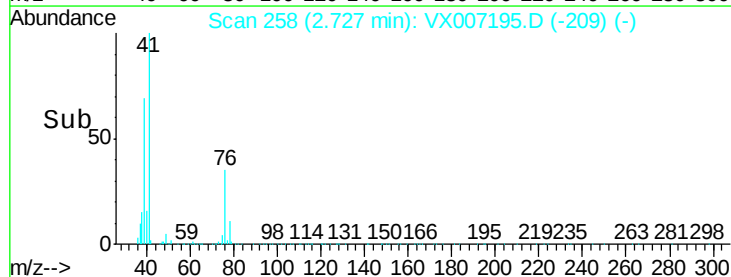
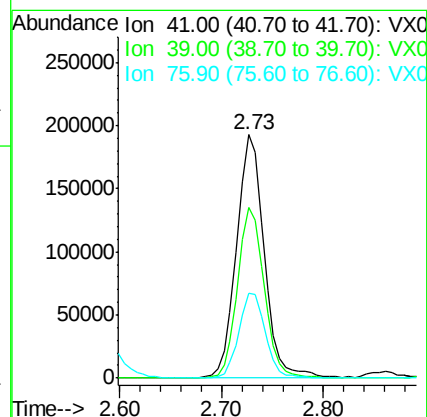
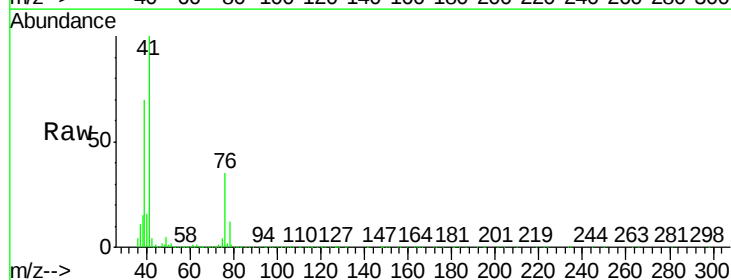
Tgt Ion: 41 Resp: 358962

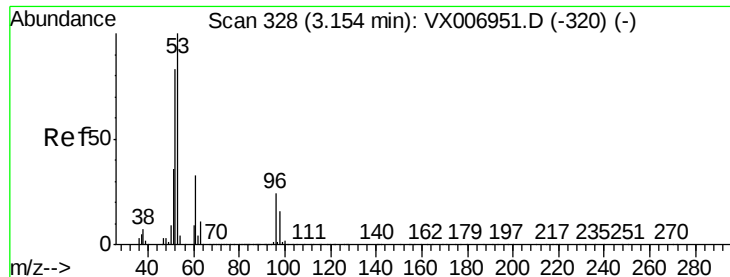
Ion Ratio Lower Upper

41 100

39 67.7 53.6 80.4

76 33.7 27.4 41.2





#15

Acrylonitrile

Concen: 249.019 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

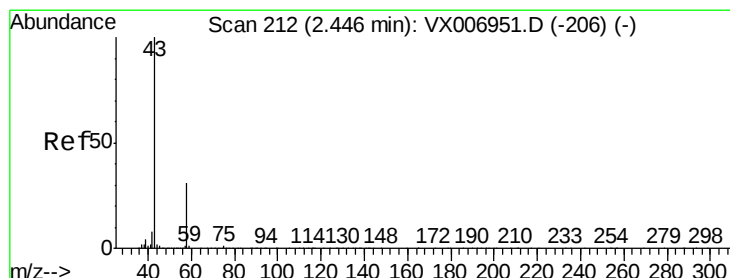
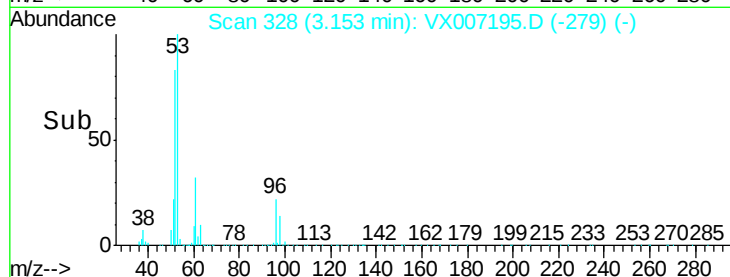
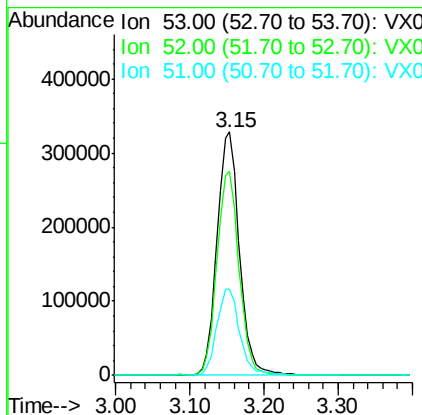
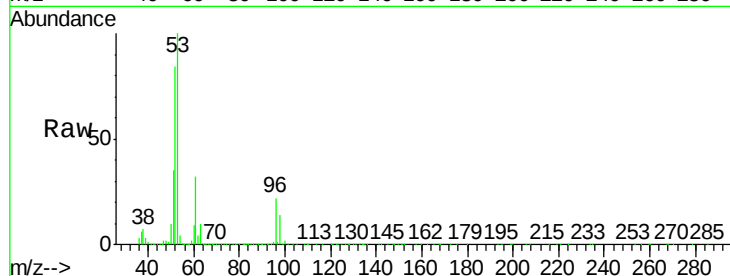
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	679784
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.0	99.0
51	36.4	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 267.923 ug/l

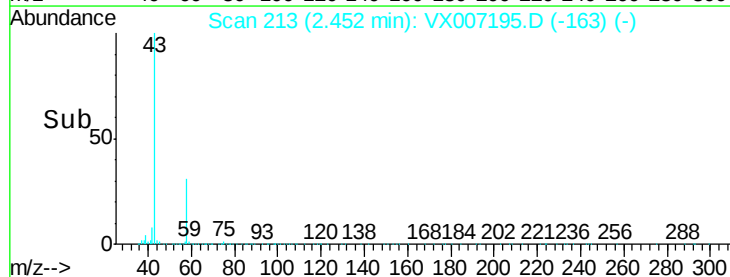
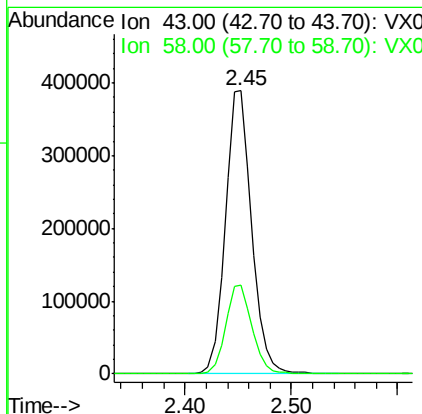
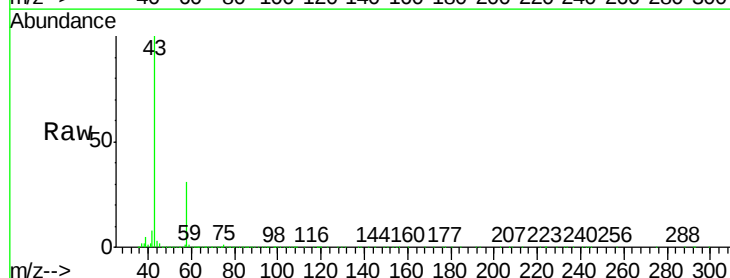
RT: 2.45 min Scan# 213

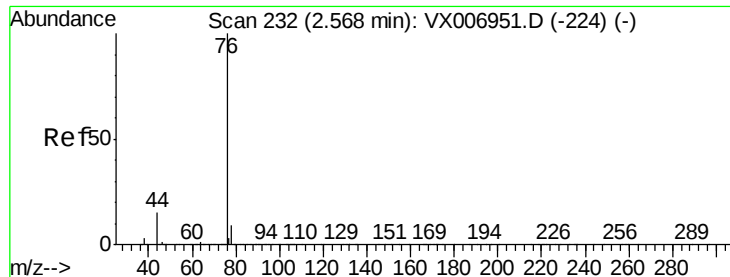
Delta R.T. 0.01 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion:	43	Resp:	667696
Ion Ratio		Lower	Upper
43	100		
58	31.3	25.0	37.6





#17

Carbon Disulfide

Concen: 39.495 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 450788

Ion Ratio Lower Upper

76 100

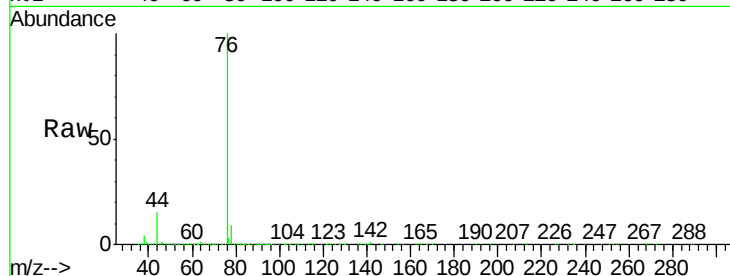
78 8.7 7.0 10.6

Manual Integrations

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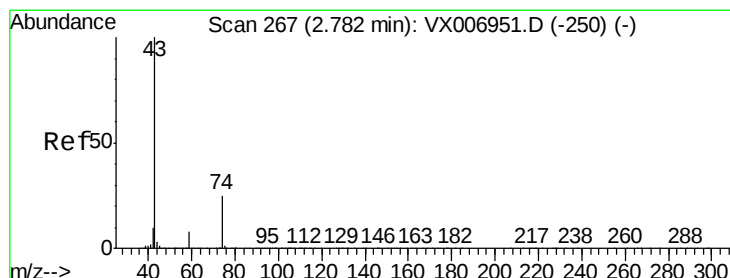
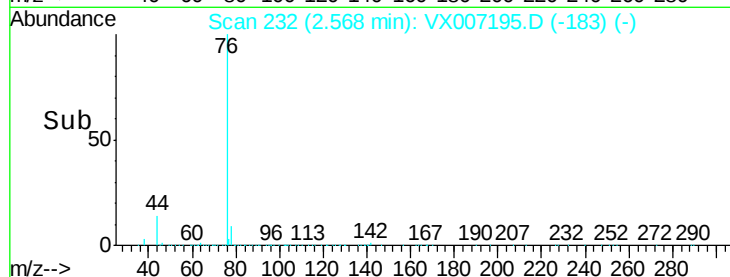
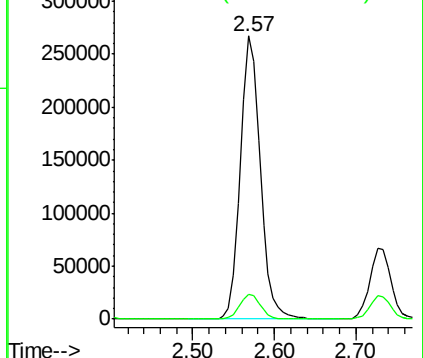
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.752 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007195.D

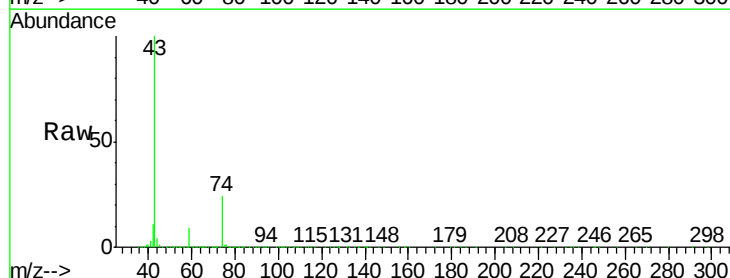
Acq: 24 Jan 2019 10:36

Tgt Ion: 43 Resp: 373496

Ion Ratio Lower Upper

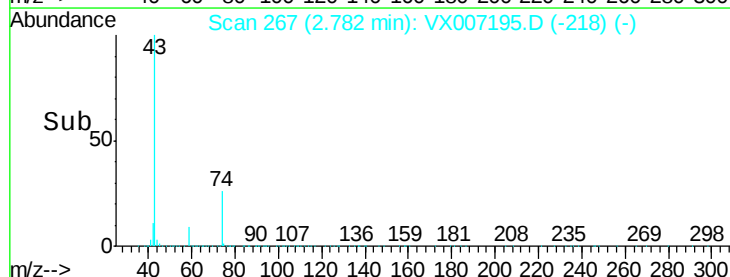
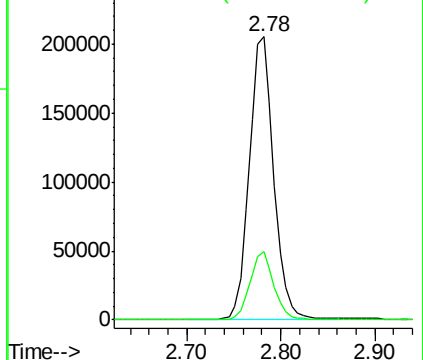
43 100

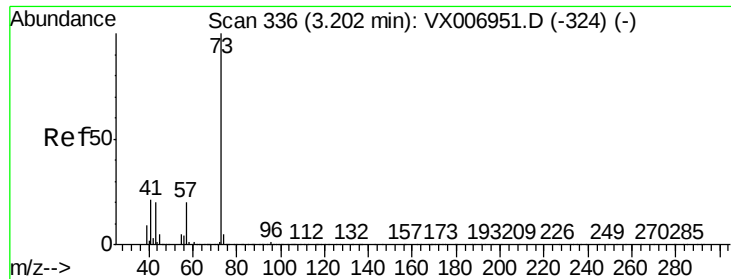
74 24.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





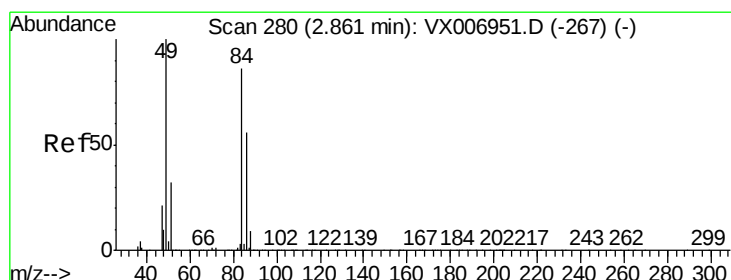
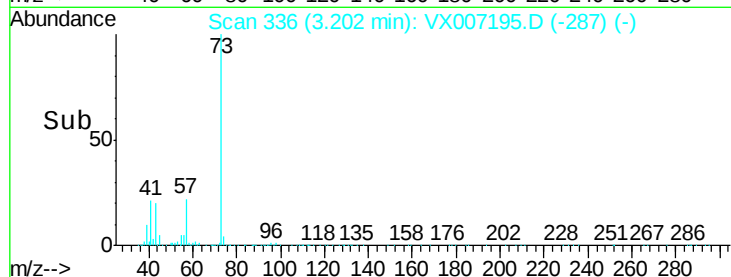
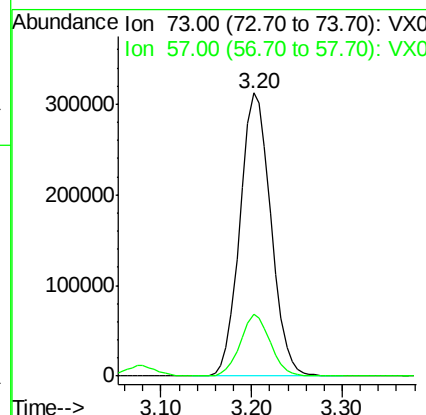
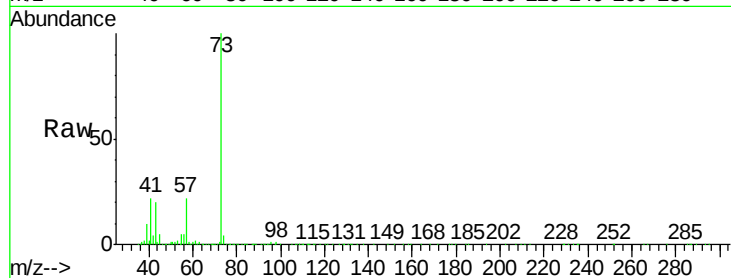
#19
Methvl tert-butvl Ether
Concen: 48.067 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.8	25.2

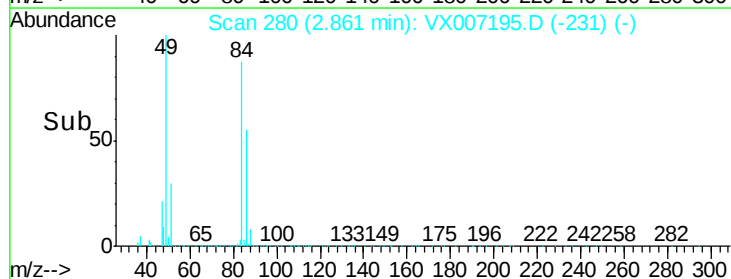
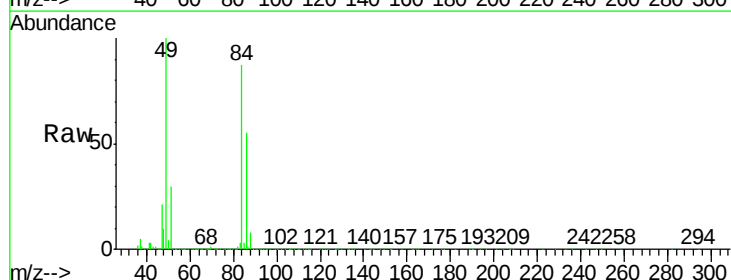
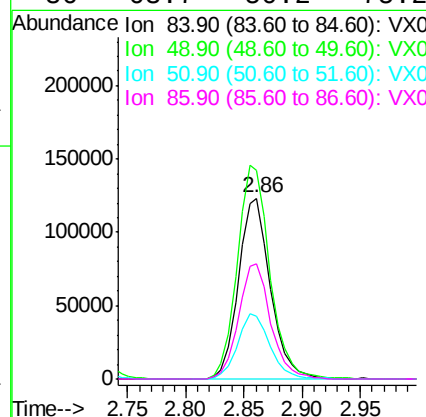
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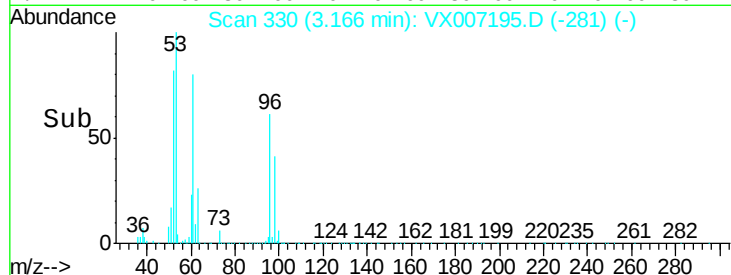
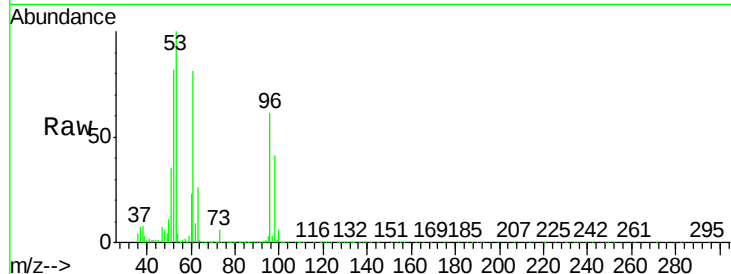
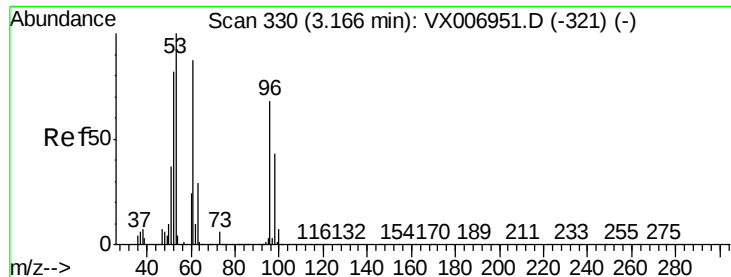
MMDadoda
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#20
Methylene Chloride
Concen: 49.700 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.1	91.8	137.6
51	34.8	28.5	42.7
86	63.7	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 43.764 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007195.D

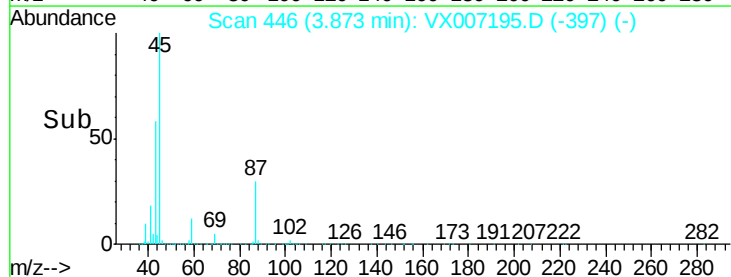
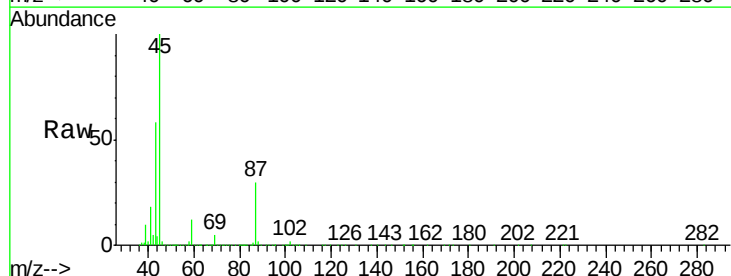
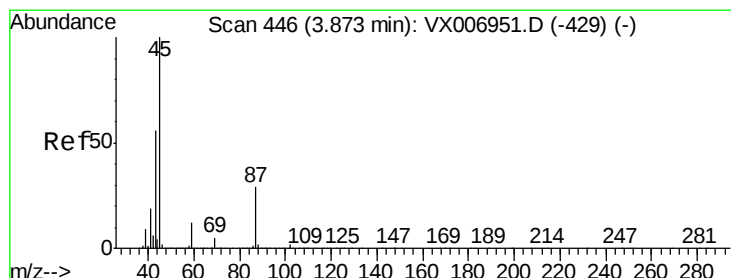
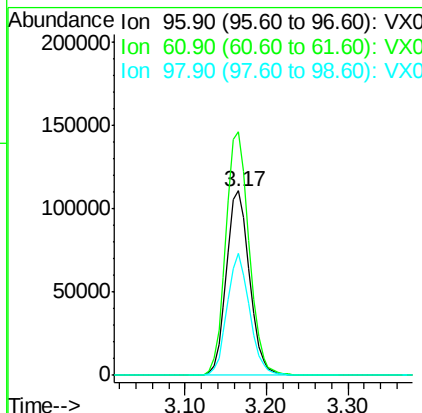
Acq: 24 Jan 2019 10:36

Tot Ion:	96	Resp:	216209
Ion Ratio	Lower	Upper	
96	100		
61	131.8	103.7	155.5
98	66.4	51.0	76.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.321 ug/l

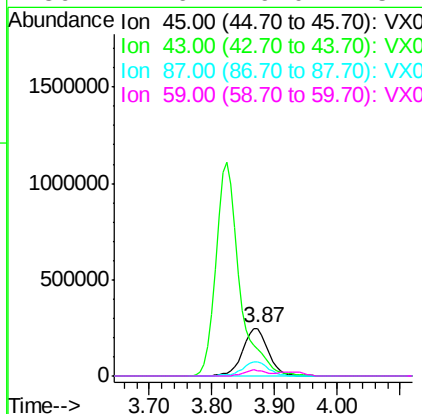
RT: 3.87 min Scan# 446

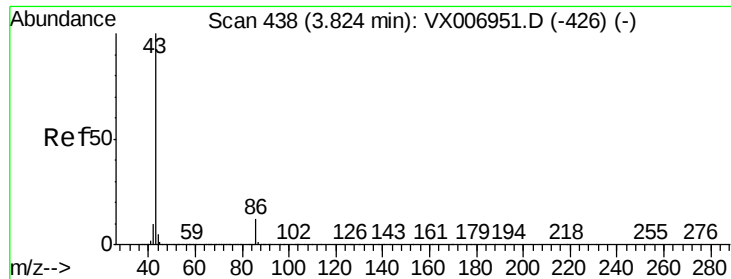
Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion:	45	Resp:	690189
Ion Ratio	Lower	Upper	
45	100		
43	57.8	51.2	76.8
87	29.8	25.8	38.6
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 240.028 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2891283

Ion Ratio Lower Upper

43 100

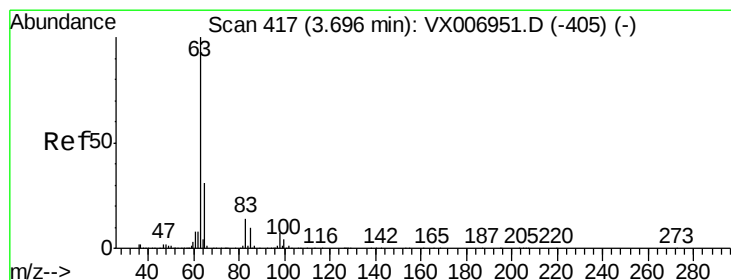
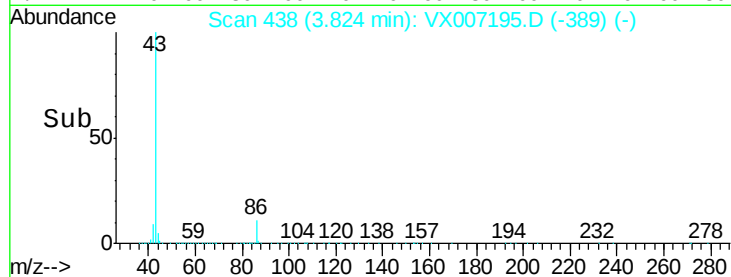
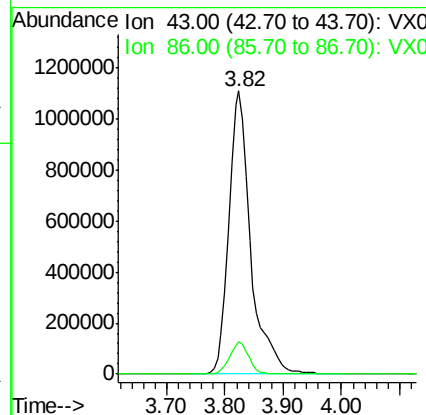
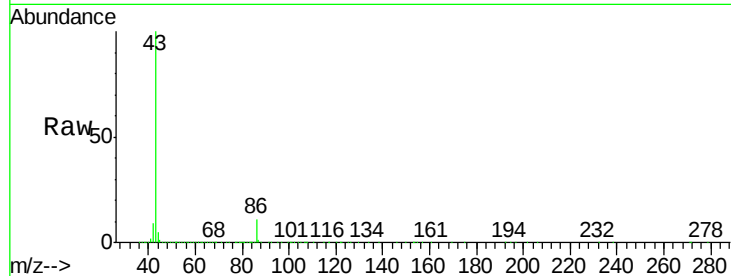
86 11.3 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.760 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

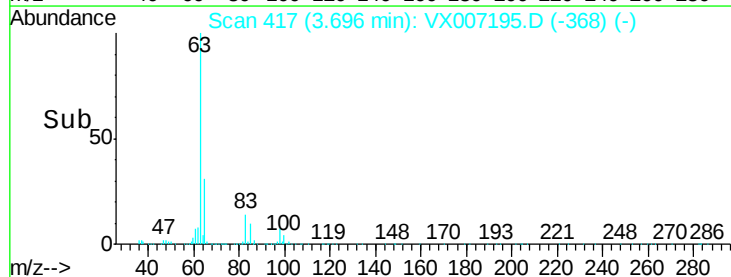
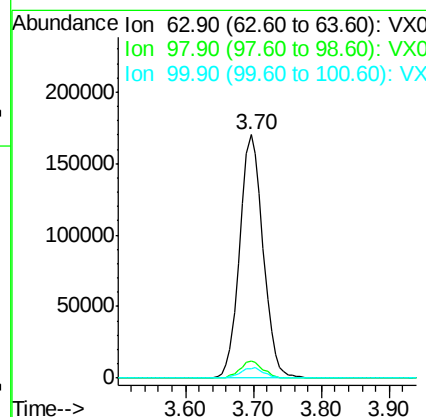
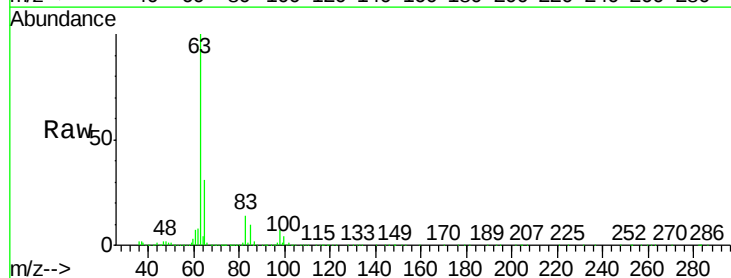
Tgt Ion: 63 Resp: 405412

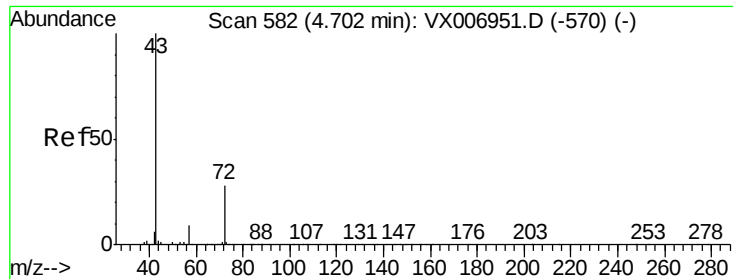
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 4.0 2.4 7.2





#25

2-Butanone

Concen: 260.432 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 928664

Ion Ratio Lower Upper

43 100

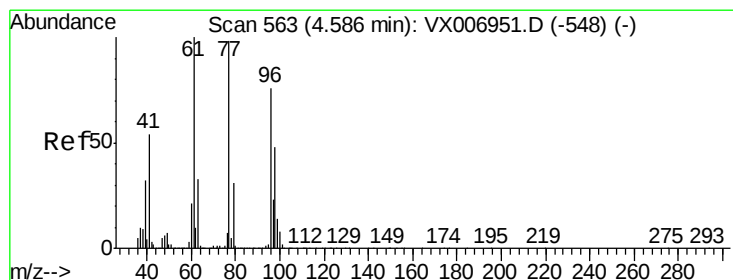
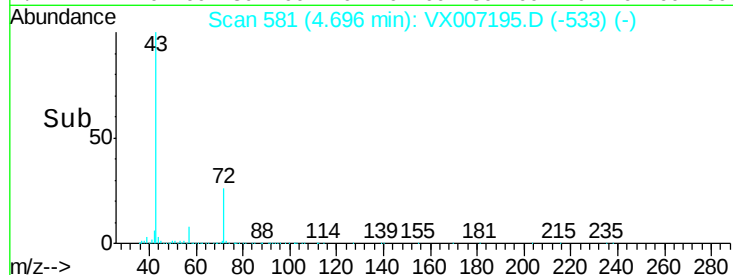
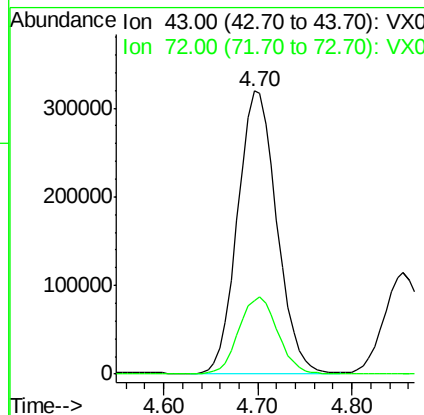
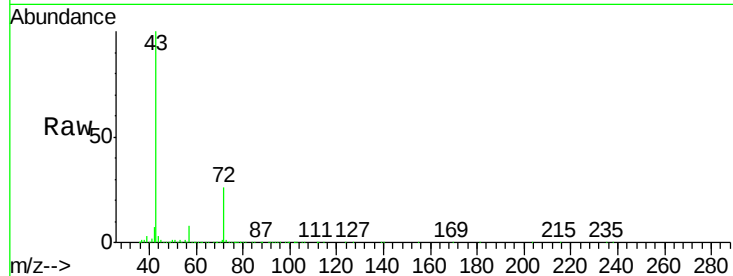
72 26.0 22.4 33.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.459 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007195.D

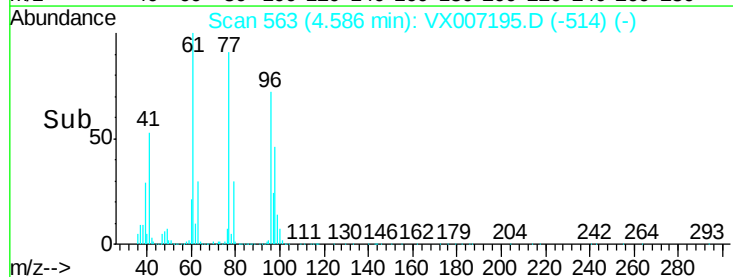
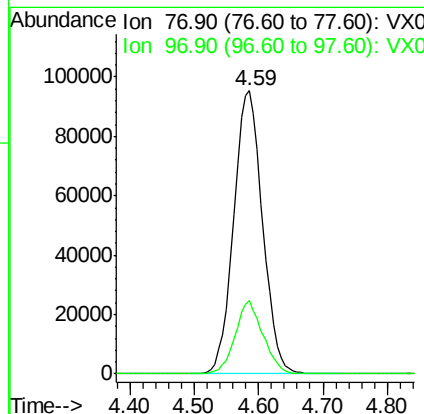
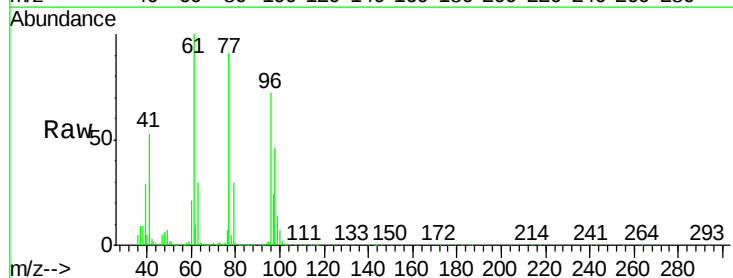
Acq: 24 Jan 2019 10:36

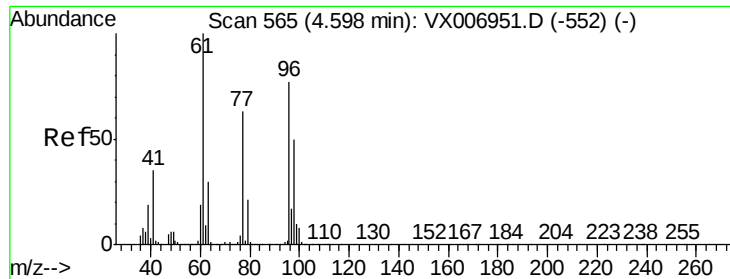
Tgt Ion: 77 Resp: 297614

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.4





#27

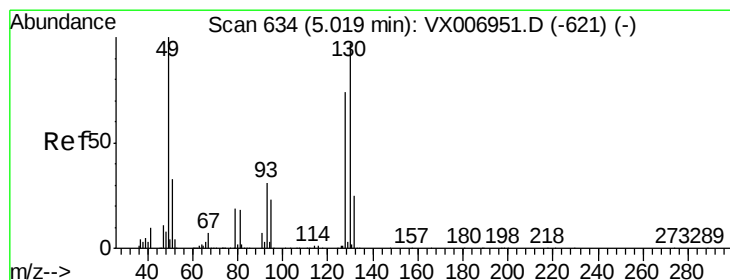
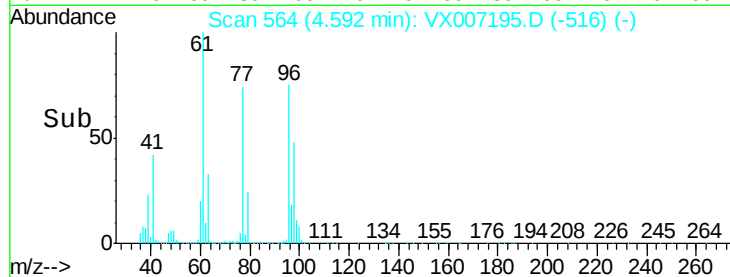
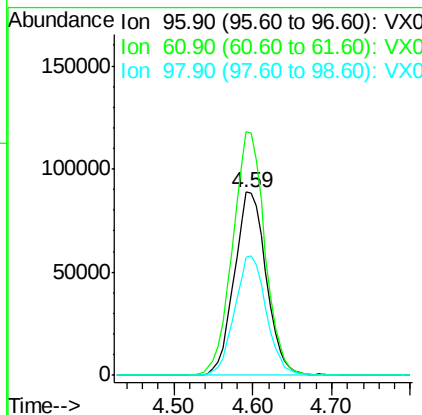
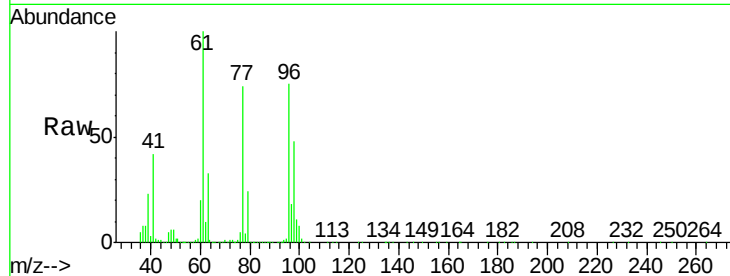
cis-1,2-Dichloroethene
Concen: 45.976 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	250538		
61	134.6	0.0	258.6	
98	64.6	0.0	132.0	

Manual Integrations
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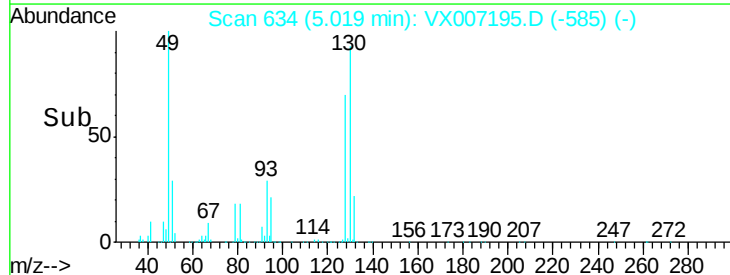
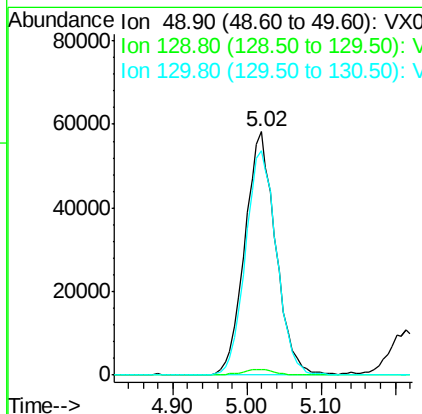
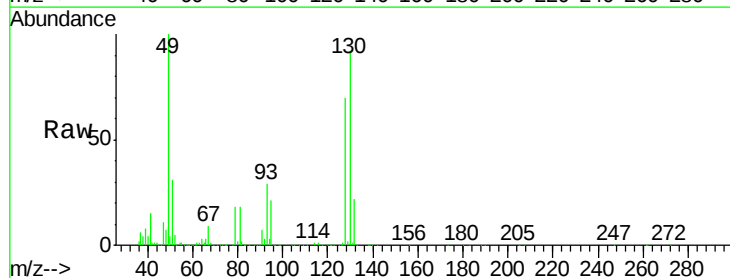
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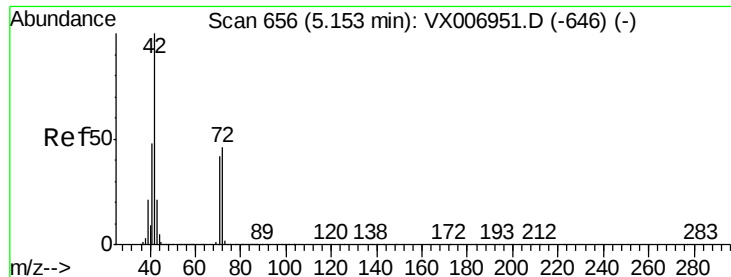


#28

Bromochloromethane
Concen: 48.022 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	168043		
129	2.6	0.0	5.4	
130	93.8	77.7	116.5	





#29

Tetrahydrofuran

Concen: 244.649 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

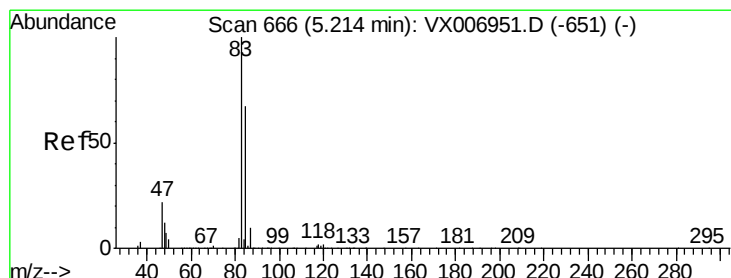
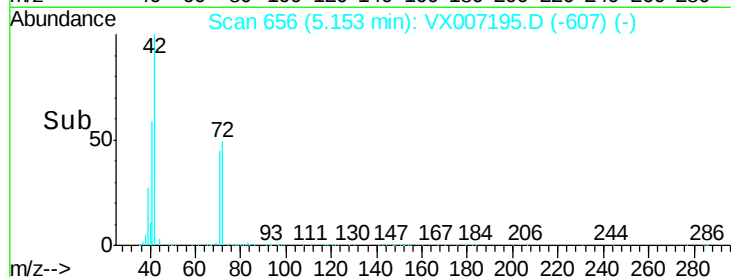
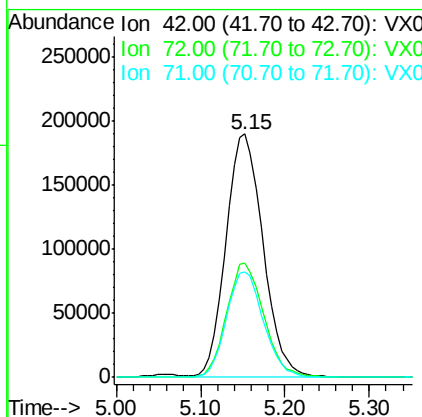
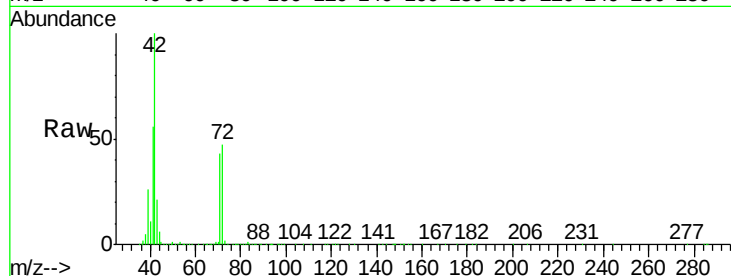
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	566942
Ion Ratio	Lower	Upper	
42	100		
72	47.1	38.9	58.3
71	43.4	36.2	54.4

Manual Integrations
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#30

Chloroform

Concen: 48.776 ug/l

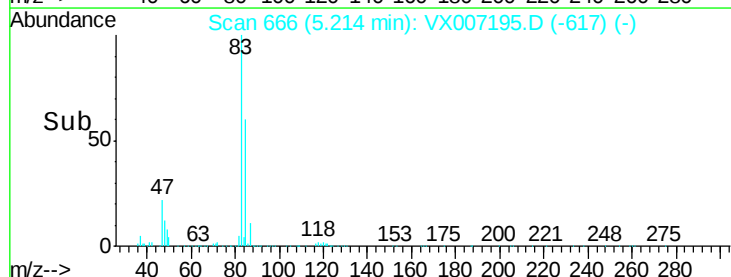
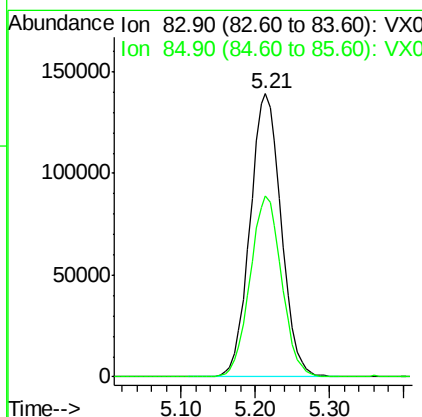
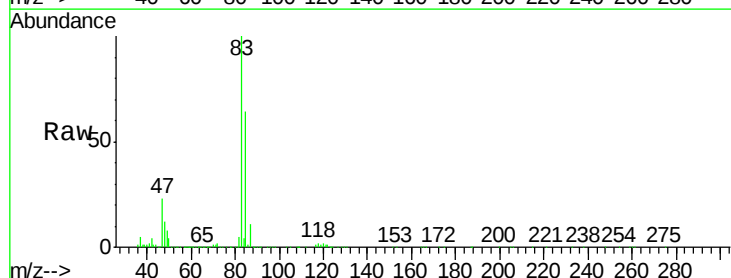
RT: 5.21 min Scan# 666

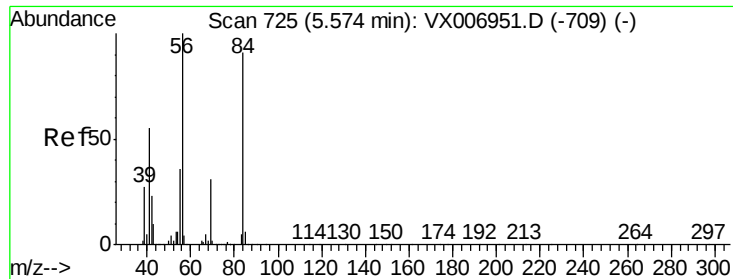
Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion:	83	Resp:	407872
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.2	76.8





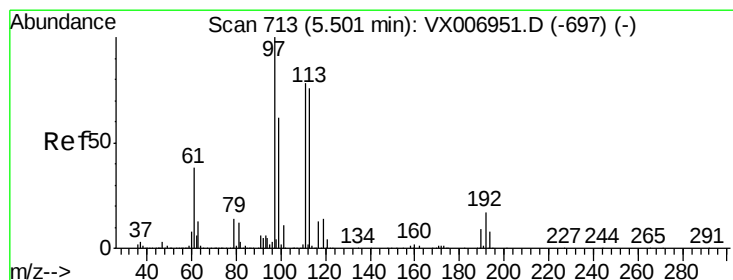
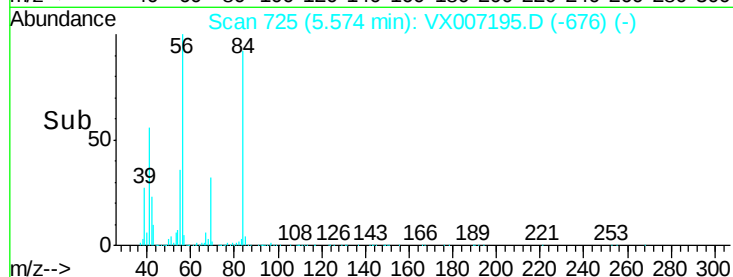
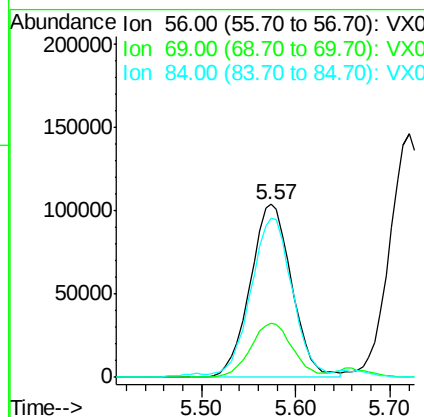
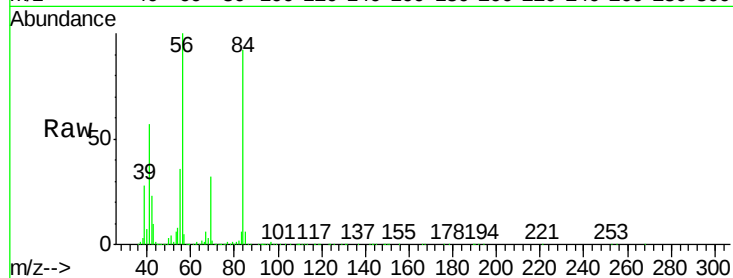
#31
Cyclohexane
Concen: 45.091 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.4	36.6
84	90.5	70.0	105.0

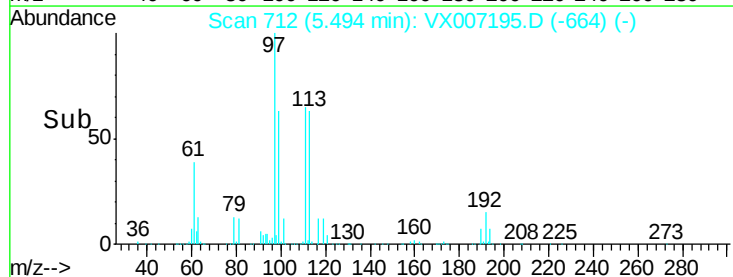
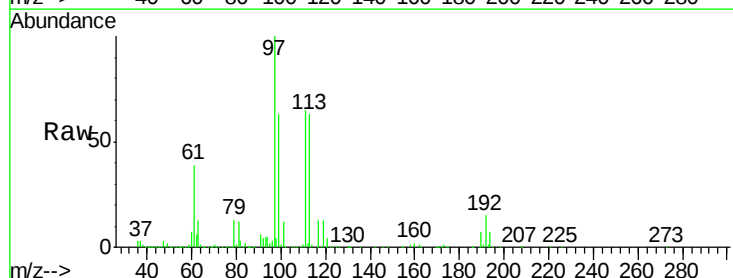
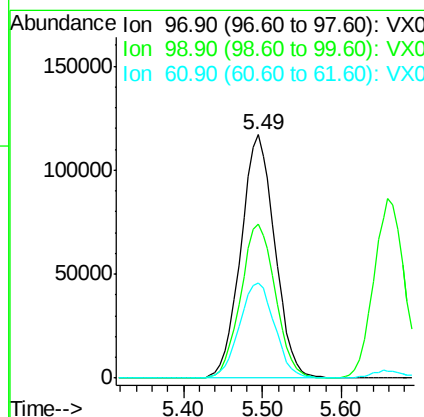
Manual Integrations
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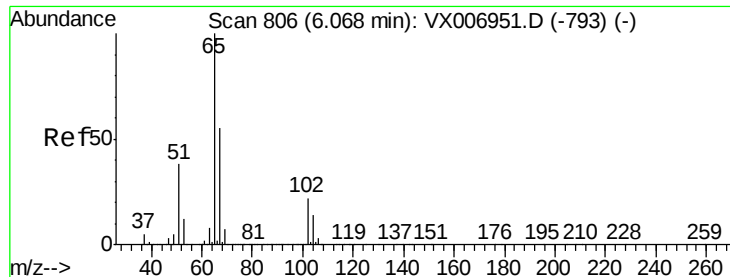
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#32
1,1,1-Trichloroethane
Concen: 49.413 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	40.7	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 48.345 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 243708

Ion Ratio Lower Upper

65 100

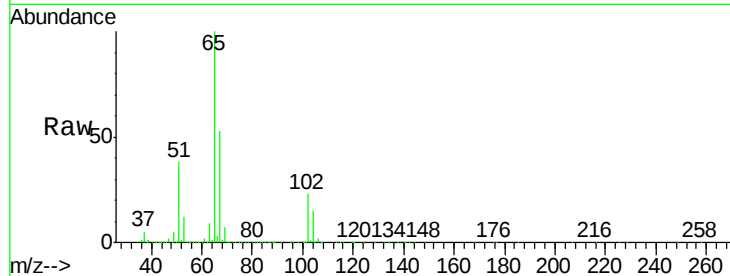
67 53.6 0.0 105.0

Manual Integrations

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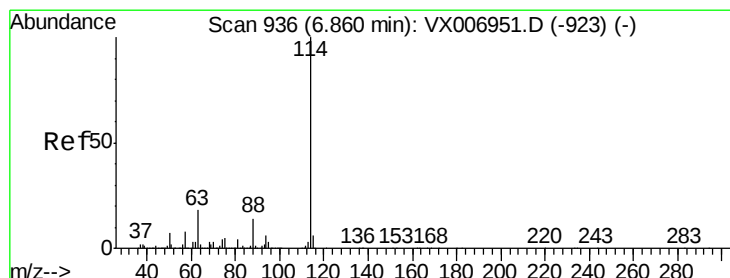
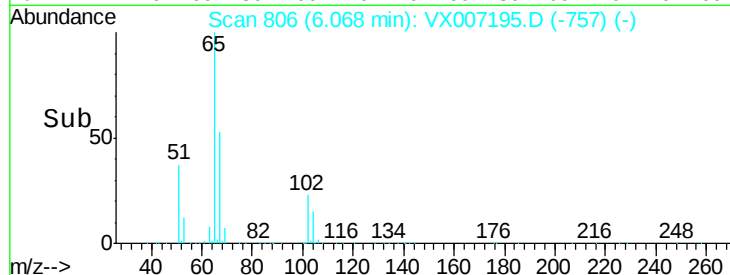
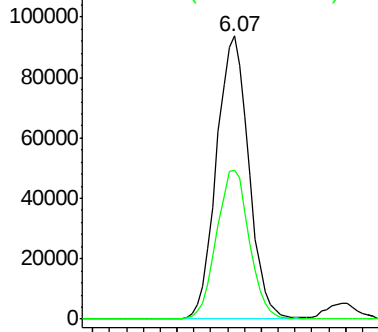
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

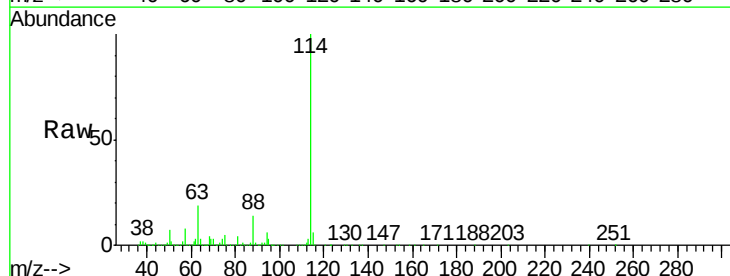
Tgt Ion: 114 Resp: 695660

Ion Ratio Lower Upper

114 100

63 19.0 0.0 34.8

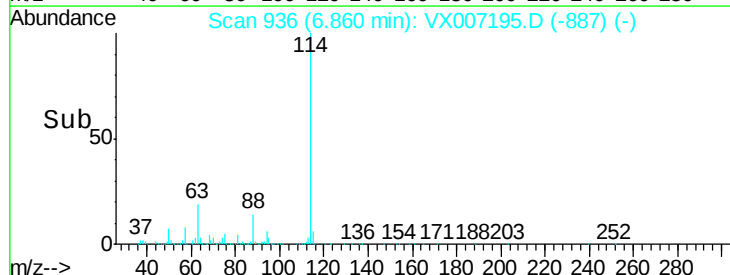
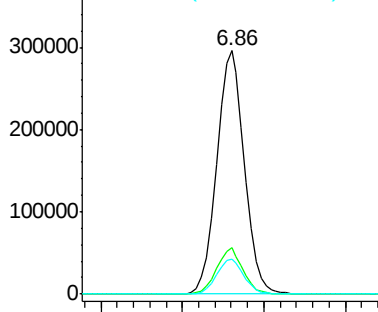
88 14.3 0.0 28.8

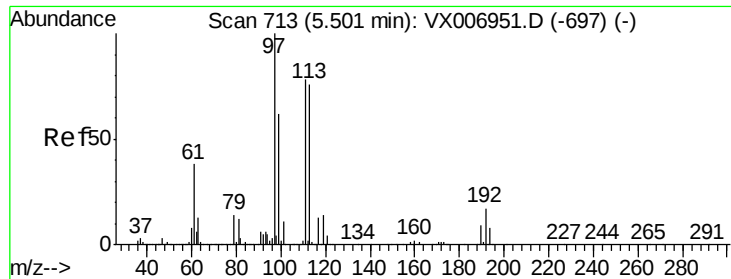


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.181 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007195.D

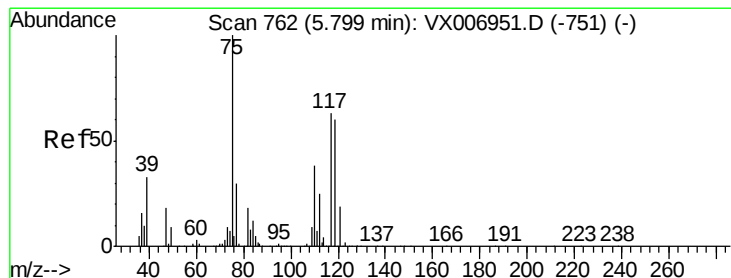
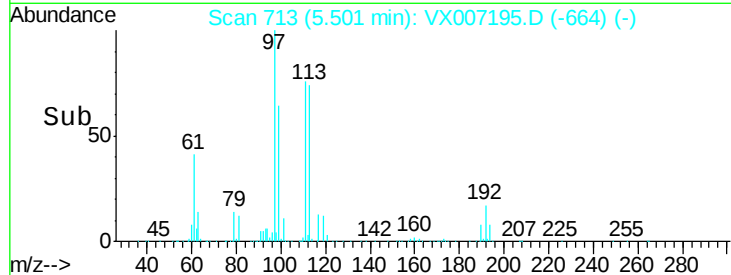
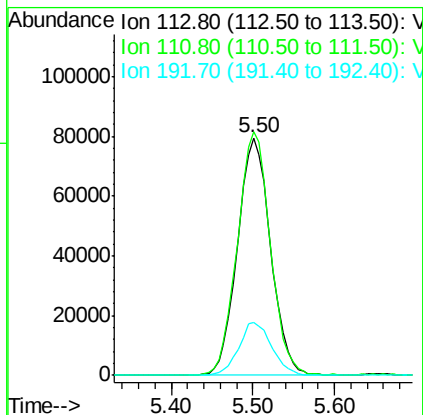
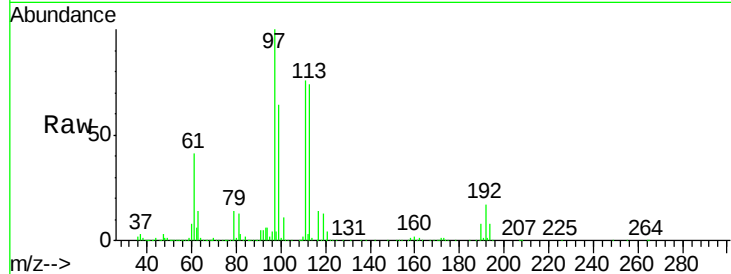
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	113	Resp:	223554
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.6	122.4
192	22.4	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.526 ug/l

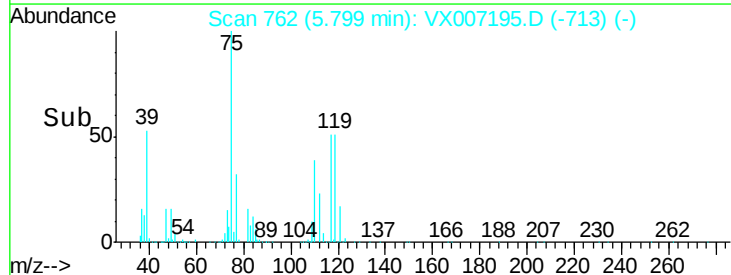
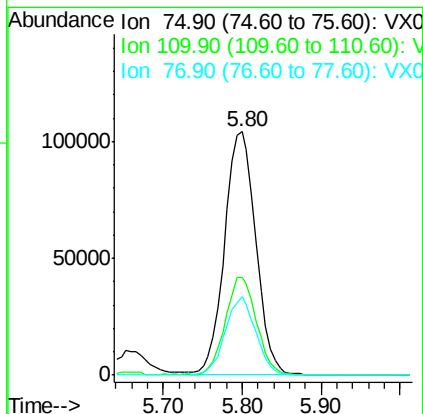
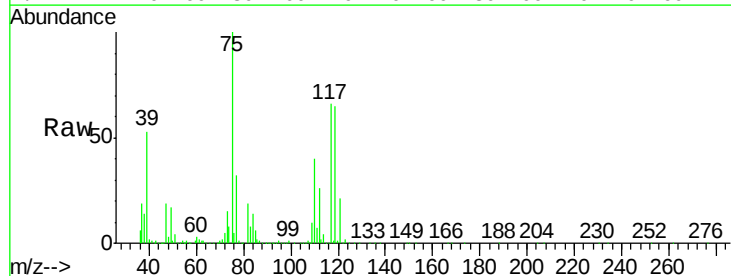
RT: 5.80 min Scan# 762

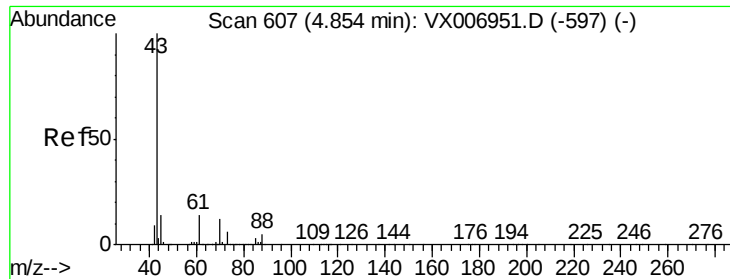
Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion:	75	Resp:	287445
Ion Ratio	Lower	Upper	
75	100		
110	39.9	20.2	60.5
77	30.4	24.8	37.2





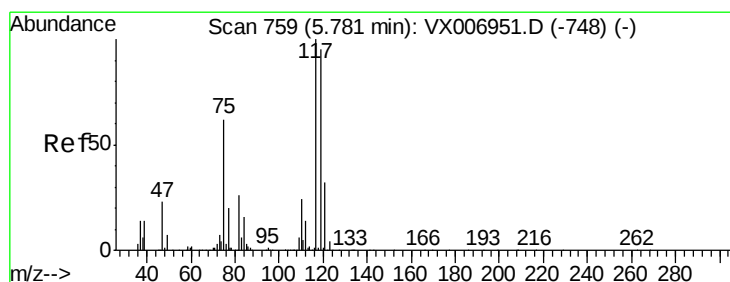
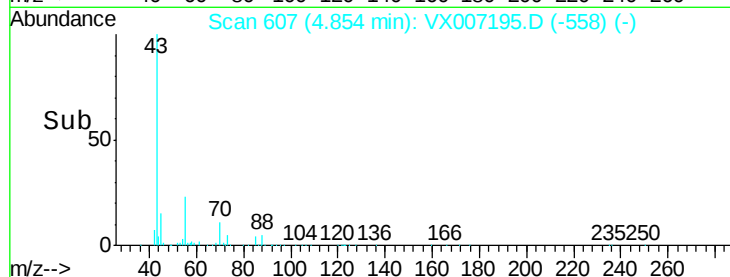
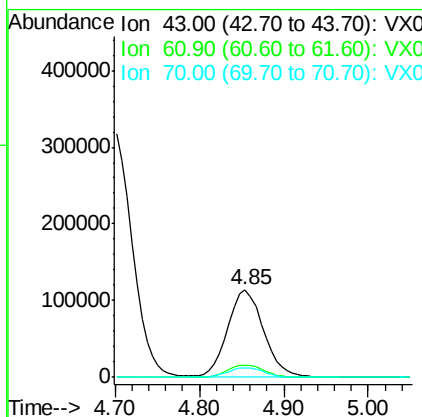
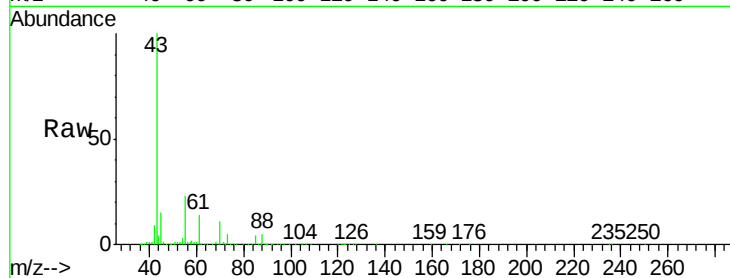
#37
Ethyl Acetate
Concen: 50.627 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	11.3	9.7	14.5

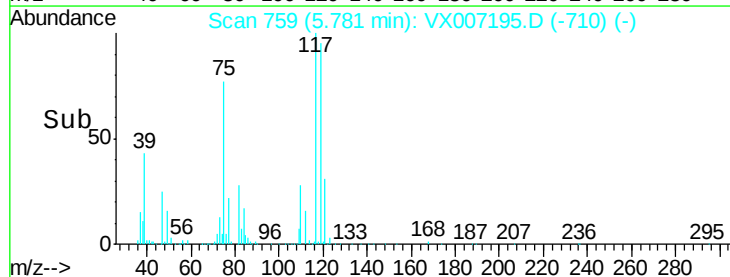
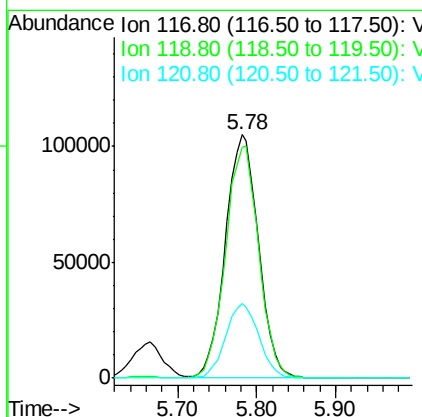
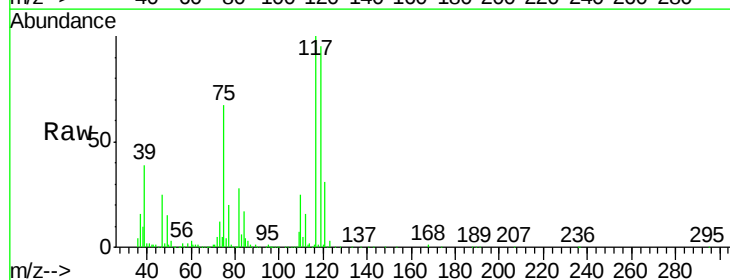
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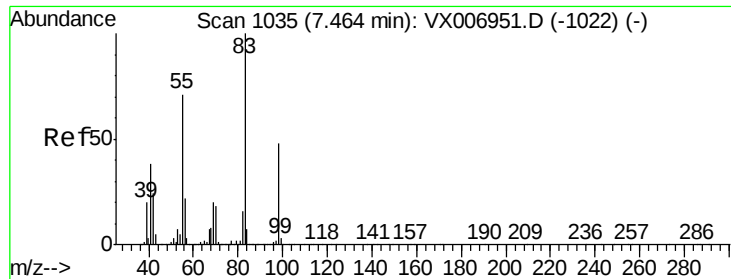
MMDadoda
1/25/2019 10:30:27 AM



#38
Carbon Tetrachloride
Concen: 50.404 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	79.4	119.2
121	30.8	24.0	36.0





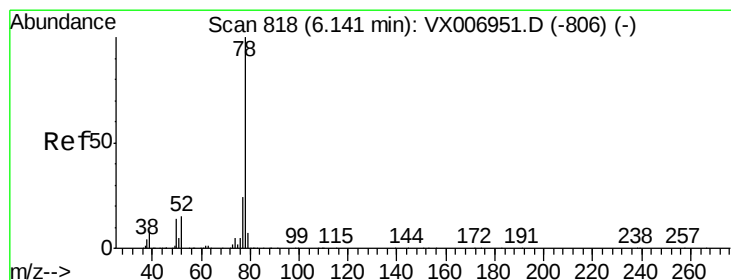
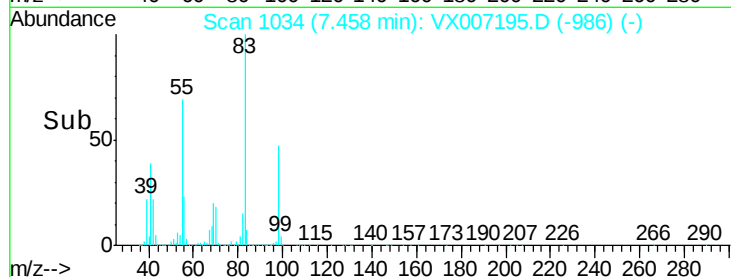
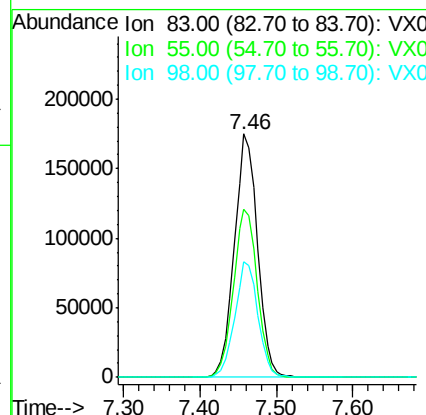
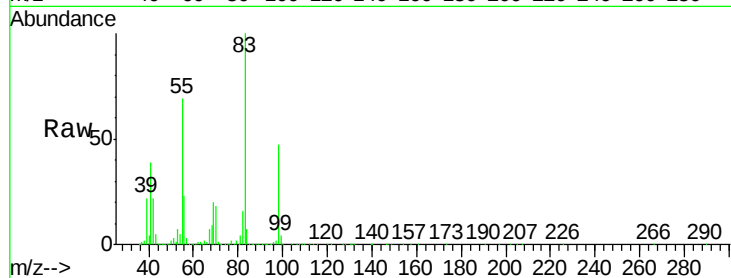
#39
Methvlcvclohexane
Concen: 47.540 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.7	54.9	82.3
98	47.3	37.9	56.9

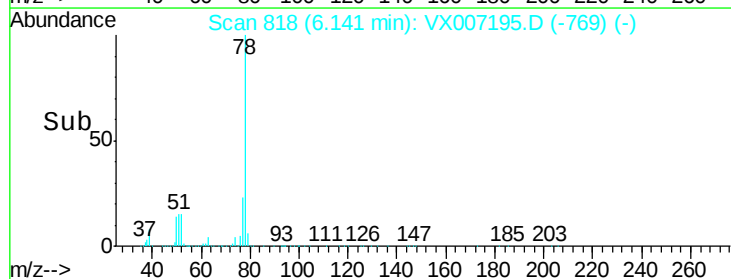
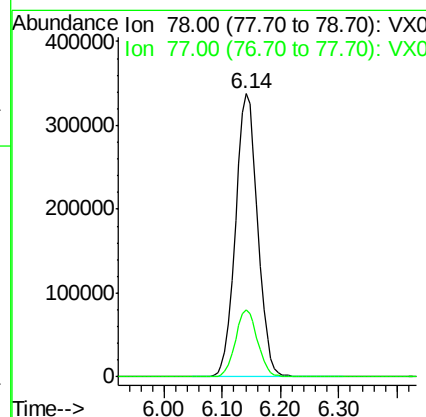
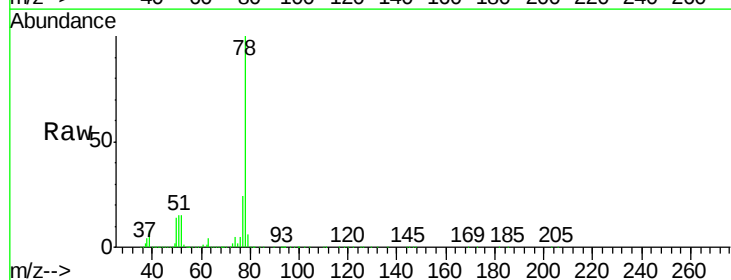
Manual Integrations
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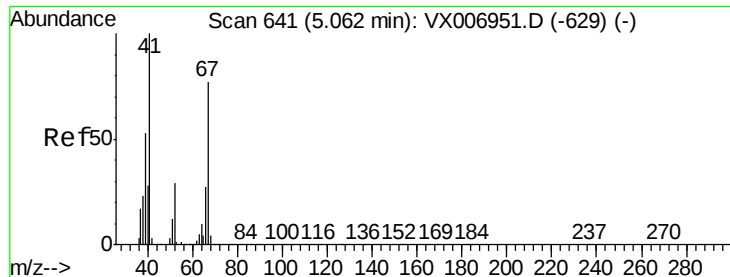
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#40
Benzene
Concen: 48.270 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





#41

Methacrylonitrile

Concen: 49.026 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

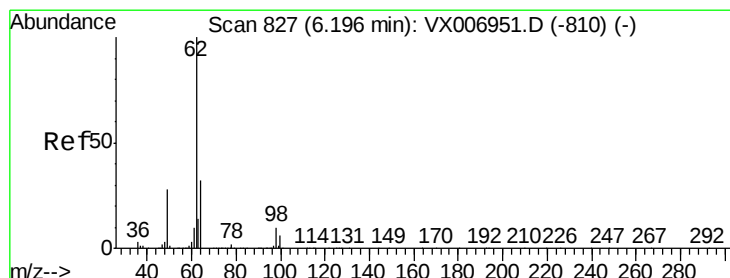
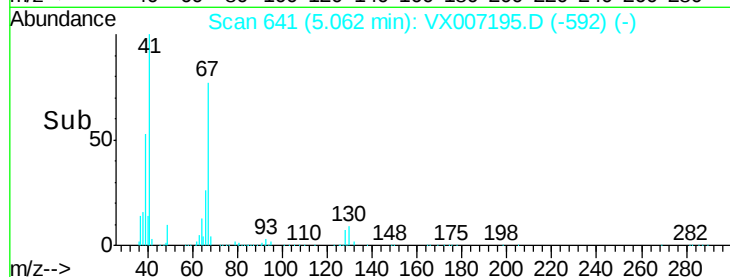
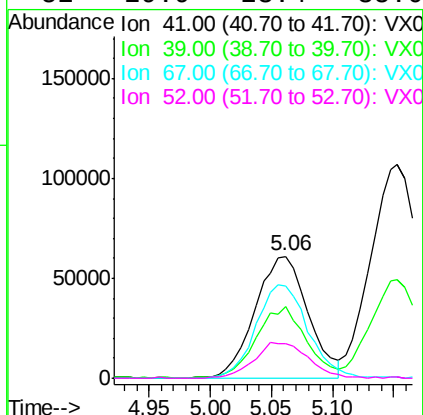
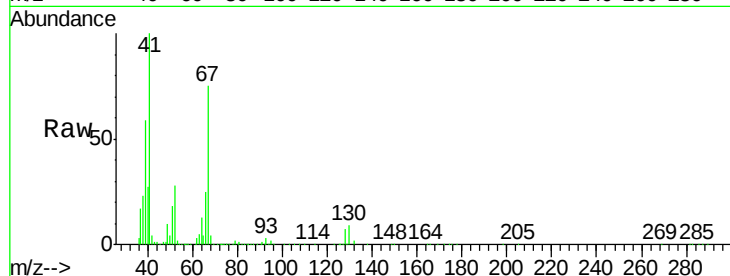
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		183131		
39	55.7	42.8	64.2		
67	76.0	62.1	93.1		
52	29.9	23.4	35.0		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 48.020 ug/l

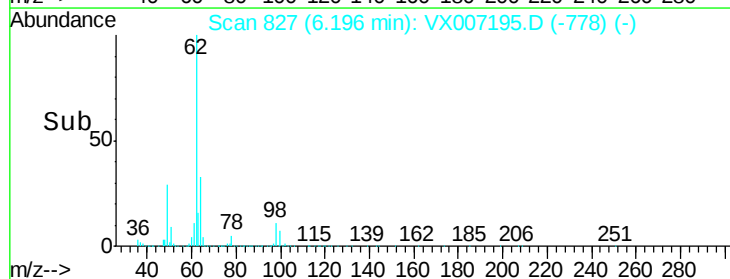
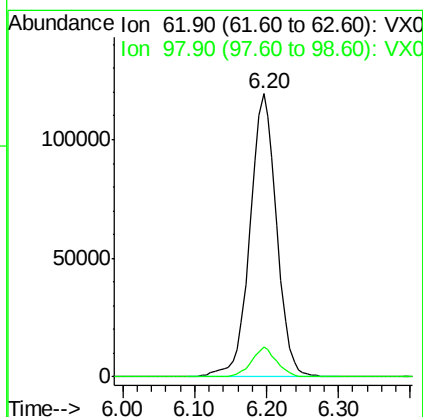
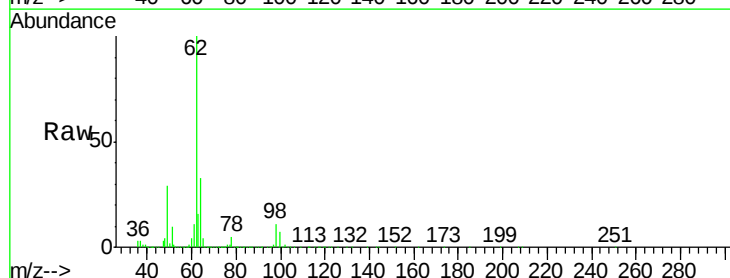
RT: 6.20 min Scan# 827

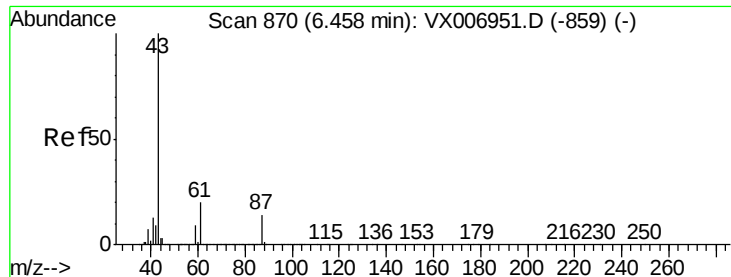
Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		306238		
98	10.1	0.0	20.2		





#43

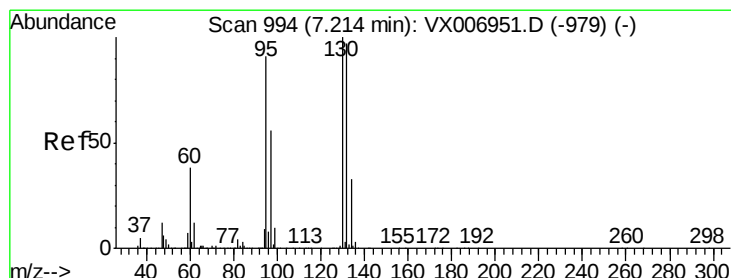
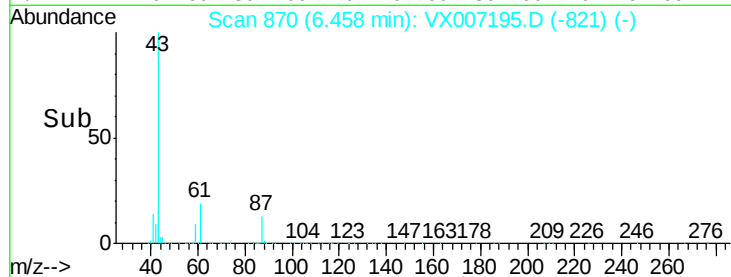
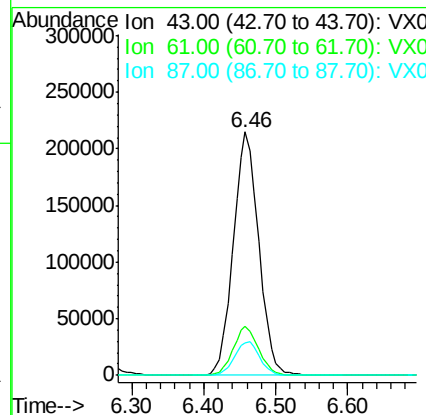
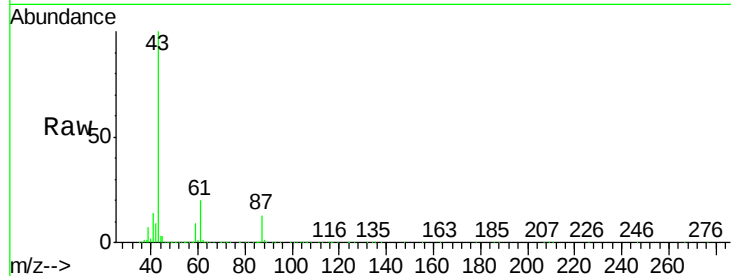
Isopropyl Acetate
 Concen: 51.309 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007195.D
 Acq: 24 Jan 2019 10:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.8	25.2
87	14.0	12.4	18.6

Manual Integrations
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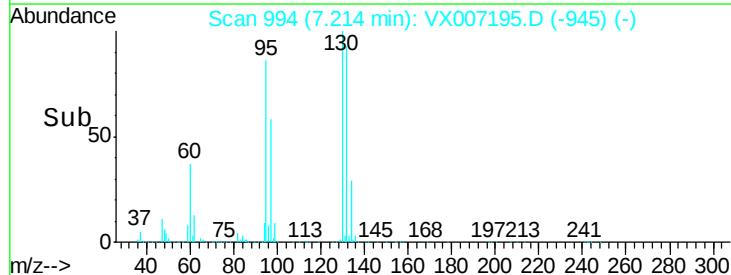
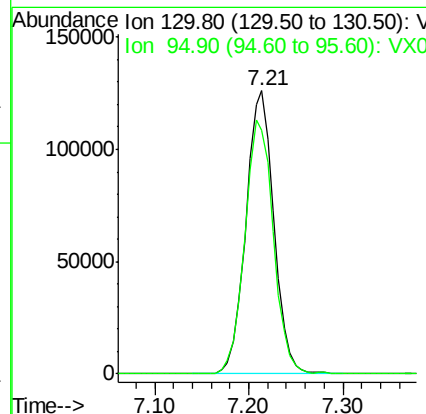
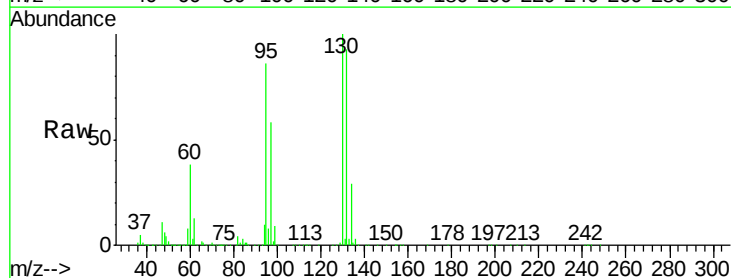
MMDadoda
 1/25/2019 10:30:27 AM

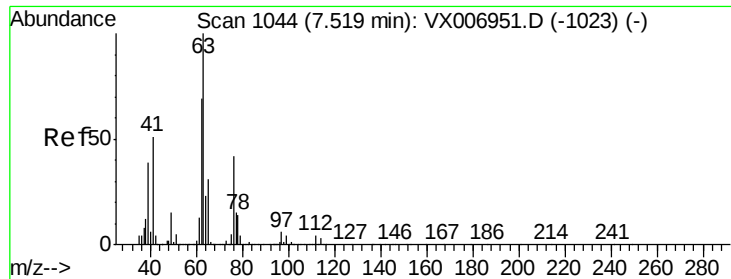


#44

Trichloroethene
 Concen: 47.296 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007195.D
 Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.0	0.0	187.0





#45

1,2-Dichloropropane

Concen: 49.173 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 228144

Ion Ratio Lower Upper

63 100

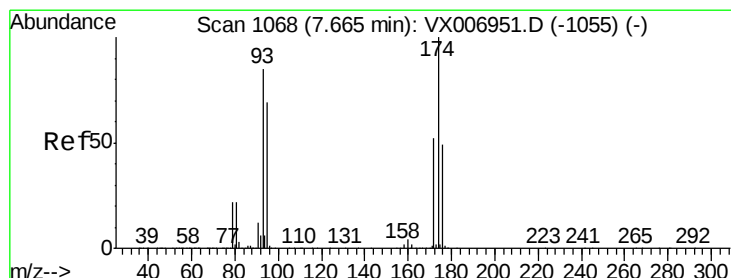
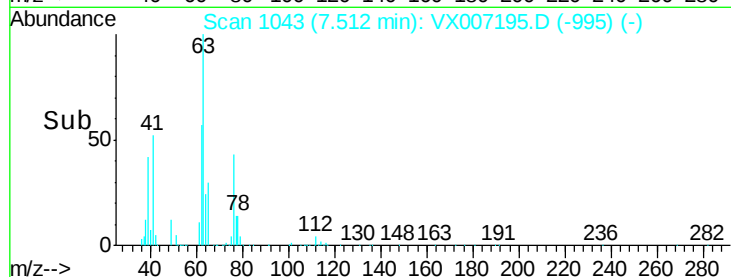
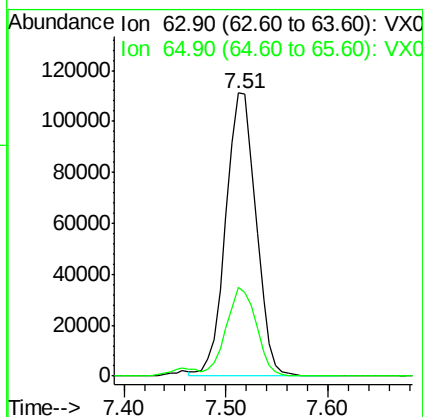
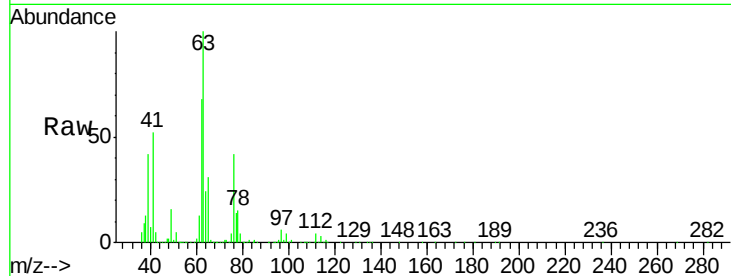
65 31.3 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.775 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

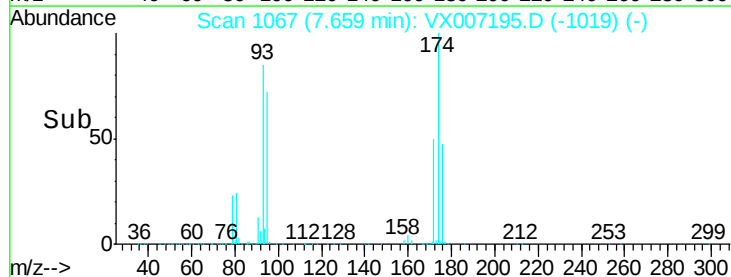
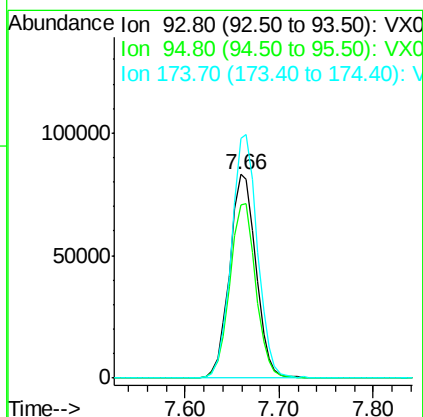
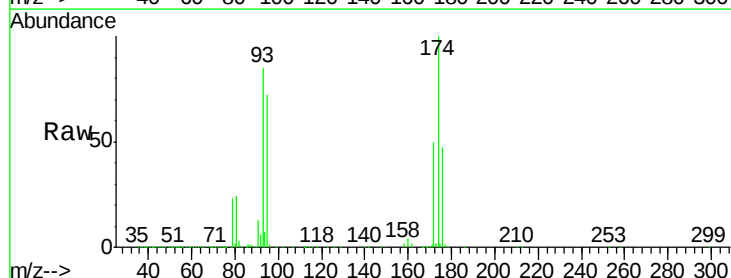
Tgt Ion: 93 Resp: 162303

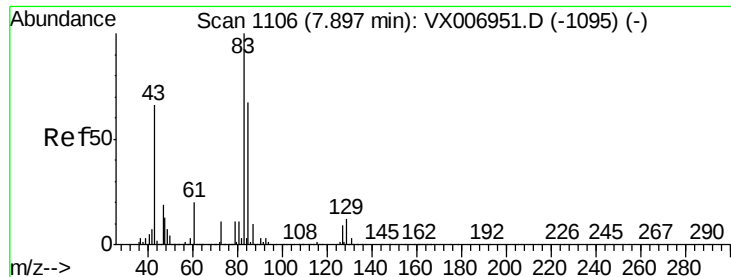
Ion Ratio Lower Upper

93 100

95 84.2 66.2 99.4

174 117.9 91.0 136.4





#47

Bromodichloromethane

Concen: 53.203 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

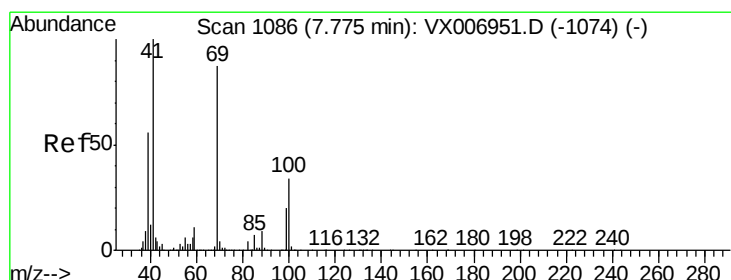
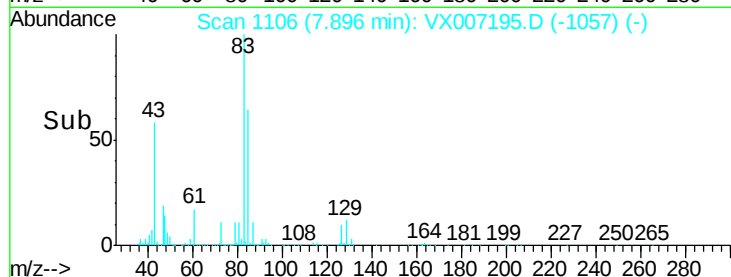
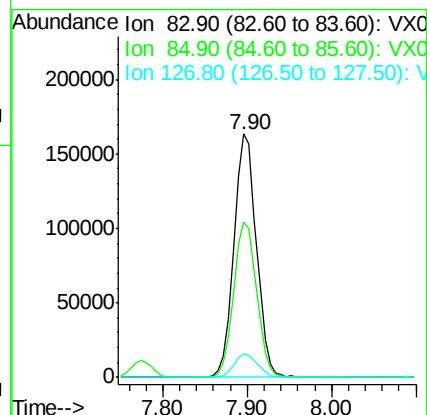
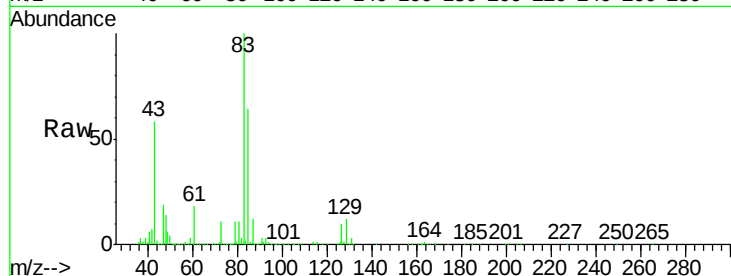
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	295289
Ion Ratio	Lower	Upper	
83	100		
85	63.7	53.2	79.8
127	9.9	7.8	11.6

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 51.144 ug/l

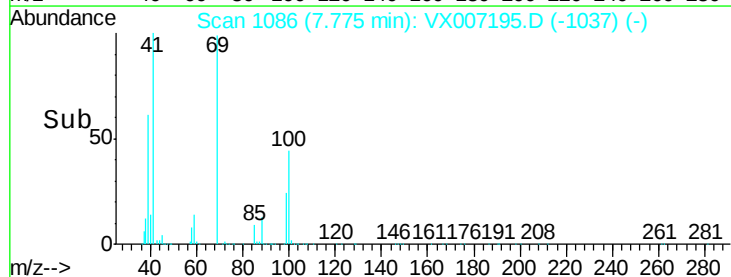
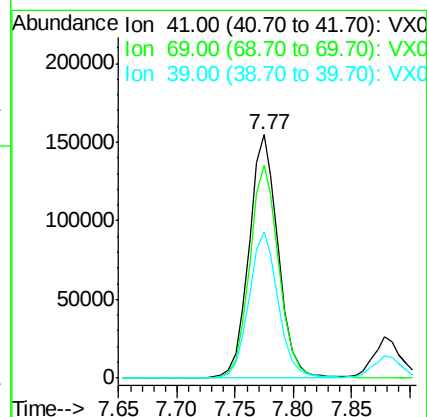
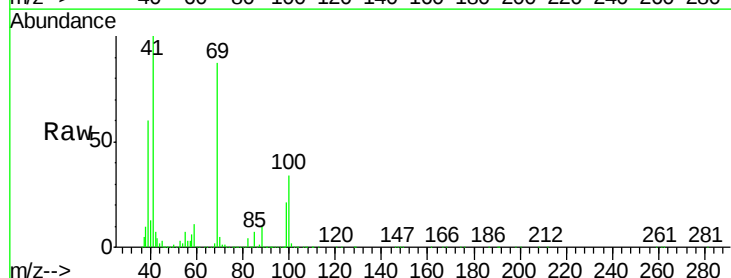
RT: 7.77 min Scan# 1086

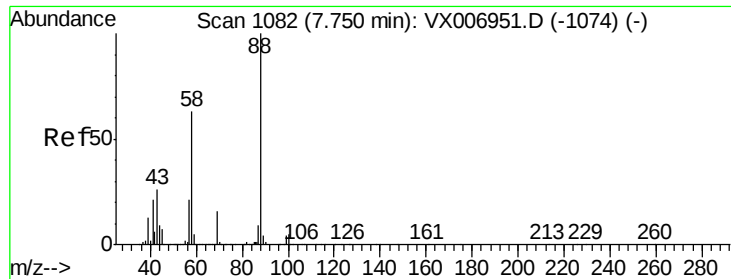
Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion:	41	Resp:	268632
Ion Ratio	Lower	Upper	
41	100		
69	87.8	72.4	108.6
39	60.3	45.8	68.8





#49

1,4-Dioxane

Concen: 1031.804 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

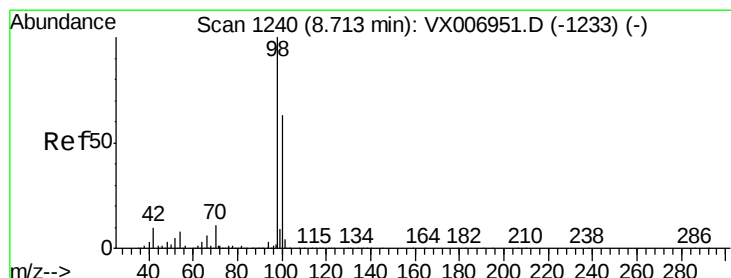
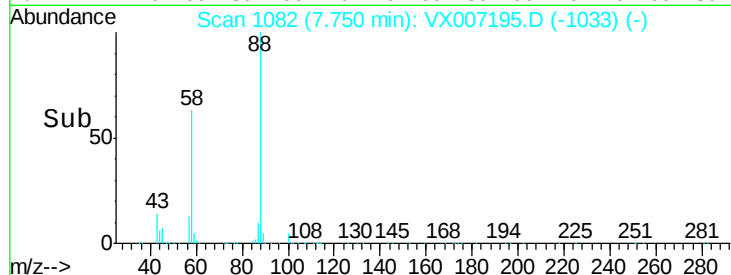
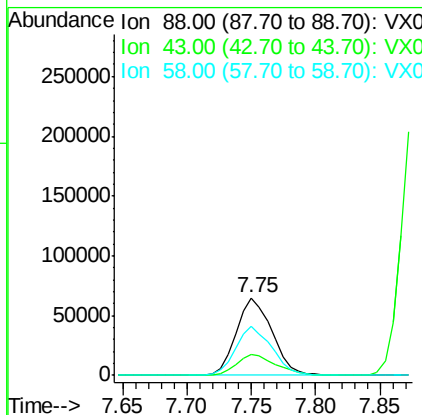
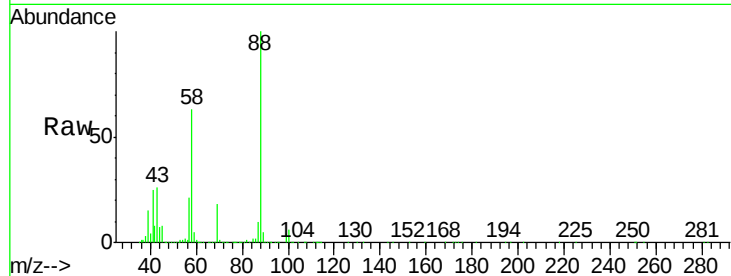
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	123732
Ion	Ratio	Lower	Upper
88	100		
43	30.2	22.2	33.4
58	64.5	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.671 ug/l

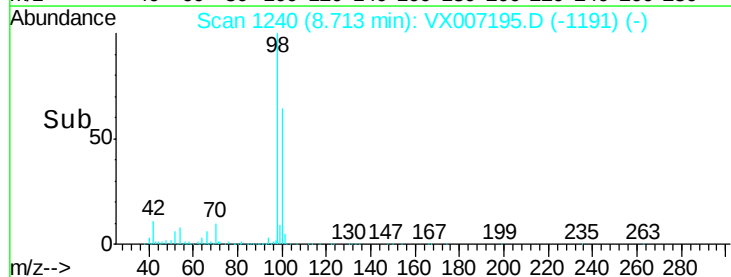
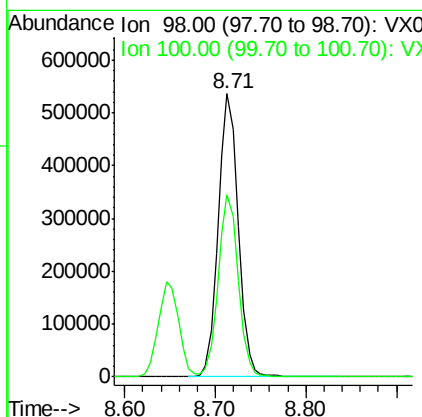
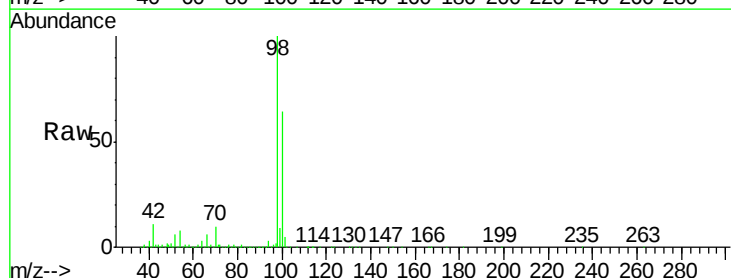
RT: 8.71 min Scan# 1240

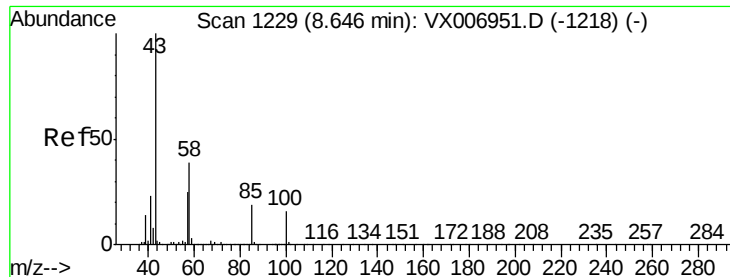
Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion:	98	Resp:	826273
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 266.557 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1752105

Ion Ratio Lower Upper

43 100

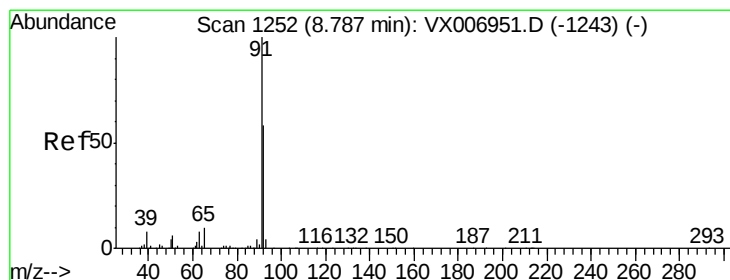
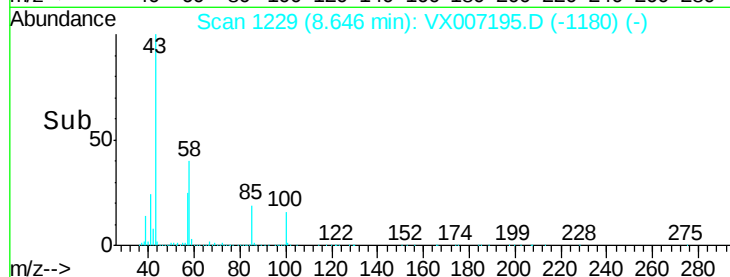
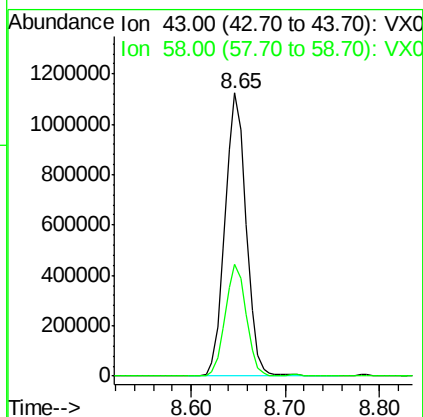
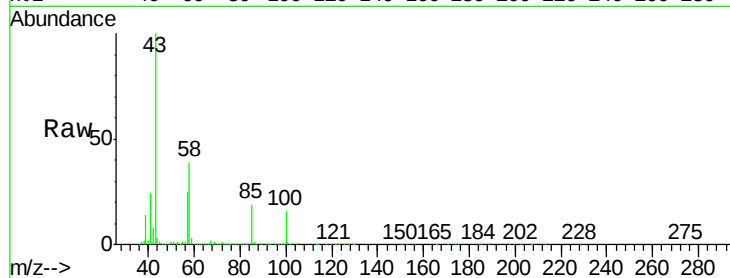
58 39.1 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 49.599 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007195.D

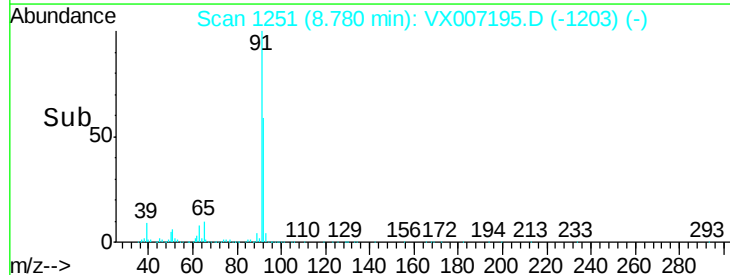
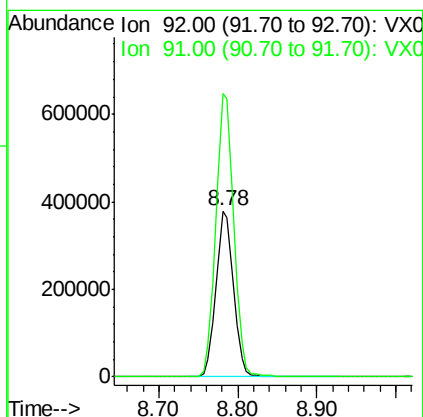
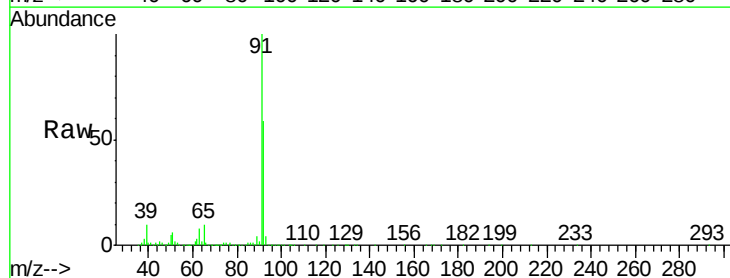
Acq: 24 Jan 2019 10:36

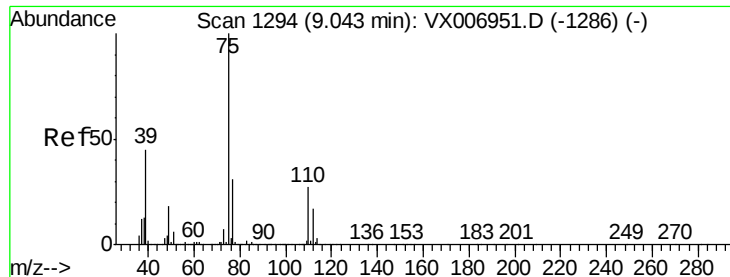
Tgt Ion: 92 Resp: 588321

Ion Ratio Lower Upper

92 100

91 175.0 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 53.455 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 328987

Ion Ratio Lower Upper

75 100

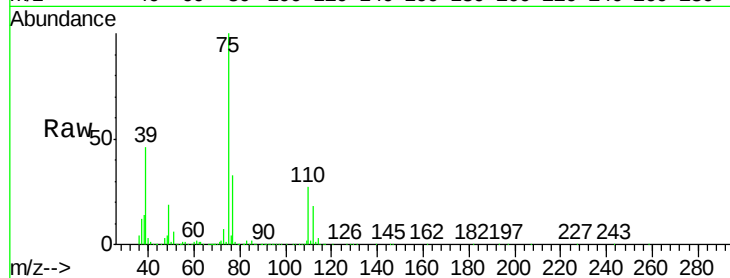
77 32.6 25.4 38.0

Manual Integrations

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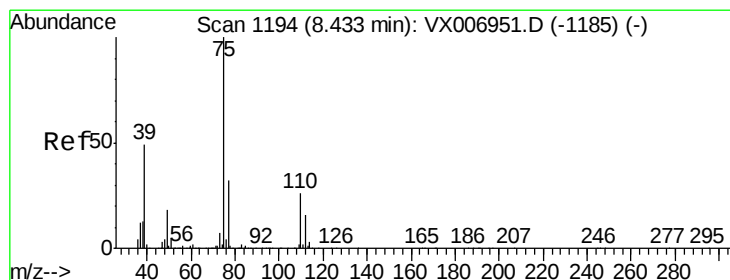
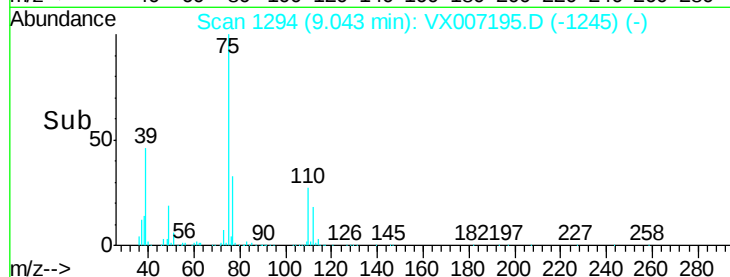
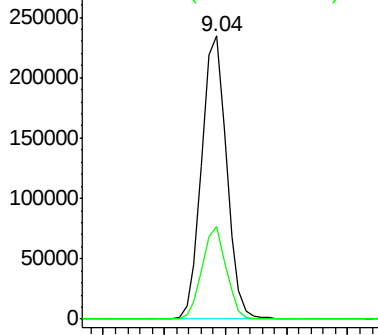
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 53.114 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

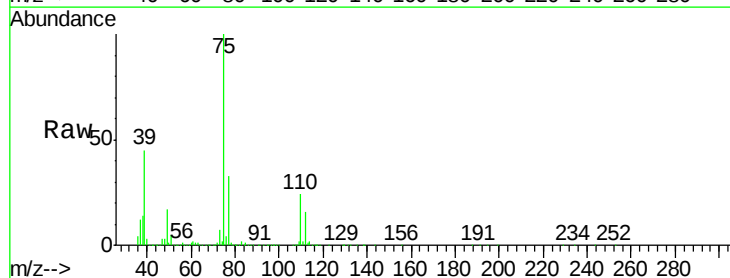
Tgt Ion: 75 Resp: 360998

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

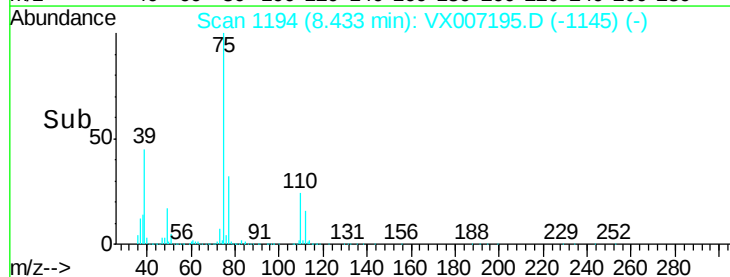
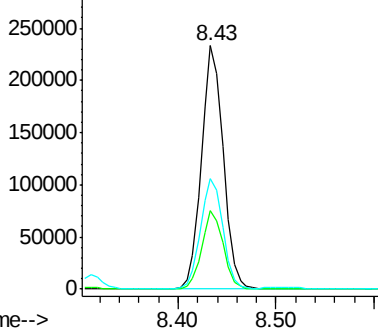
39 45.2 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 53.533 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

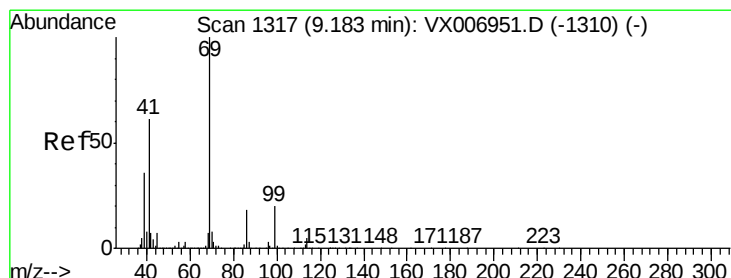
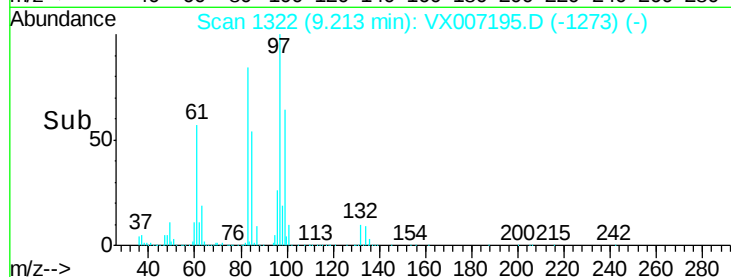
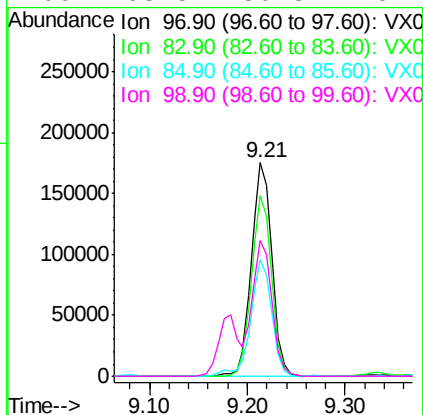
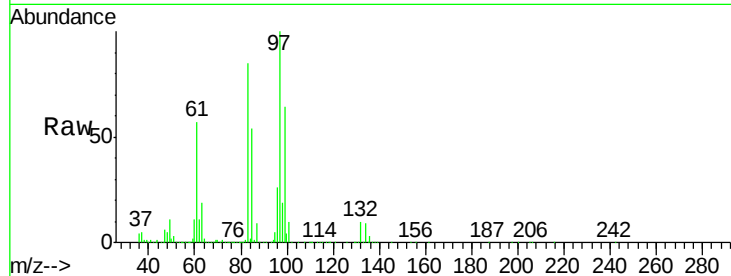
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	254160
Ion Ratio	Lower	Upper	
97	100		
83	84.5	66.6	99.8
85	54.4	42.7	64.1
99	63.5	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.375 ug/l

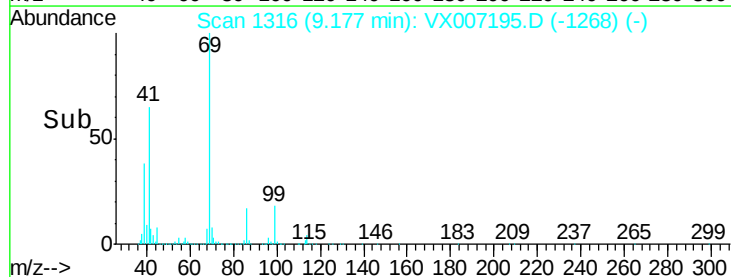
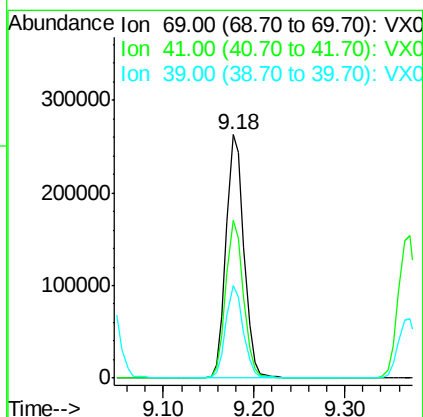
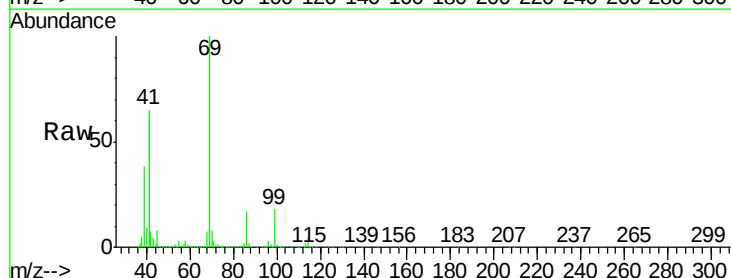
RT: 9.18 min Scan# 1316

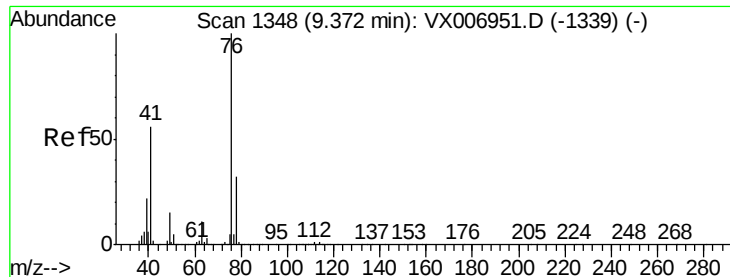
Delta R.T. -0.01 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion:	69	Resp:	363019
Ion Ratio	Lower	Upper	
69	100		
41	63.5	48.7	73.1
39	37.0	27.0	40.6





#57

1,3-Dichloropropane

Concen: 50.951 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 396305

Ion Ratio Lower Upper

76 100

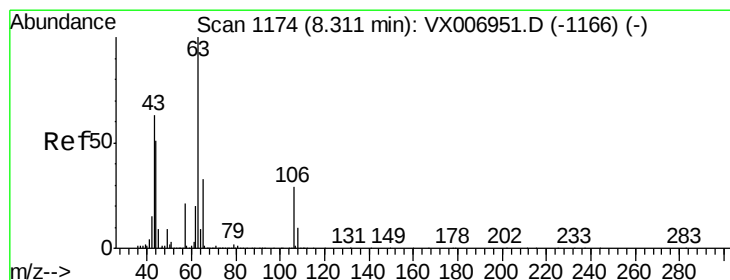
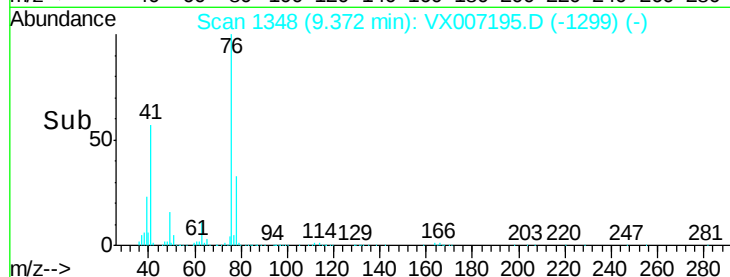
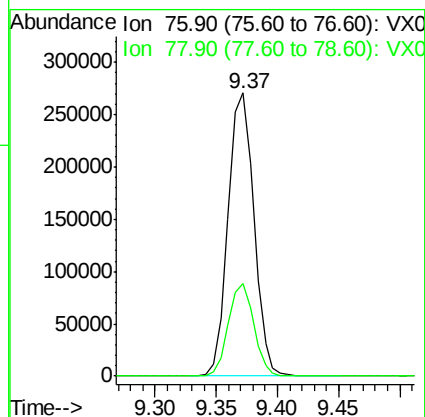
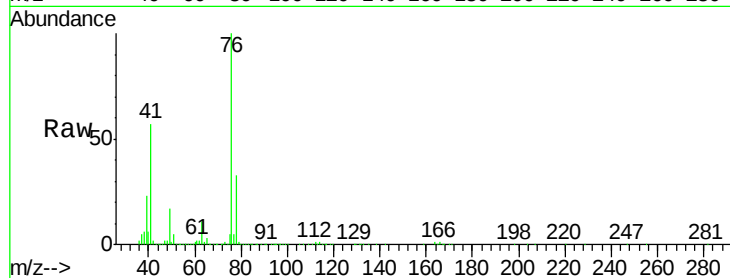
78 32.4 26.0 39.0

Manual Integrations

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1/25/2019 10:30:27 AM



#58

2-Chloroethyl Vinyl ether

Concen: 264.492 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007195.D

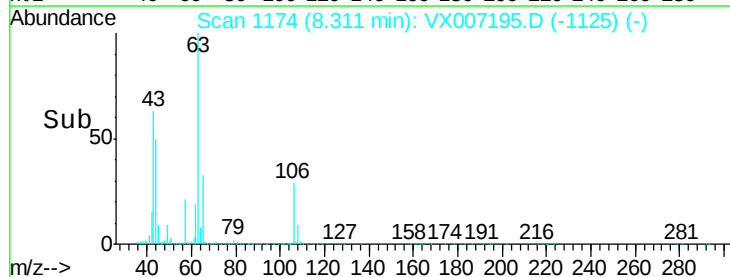
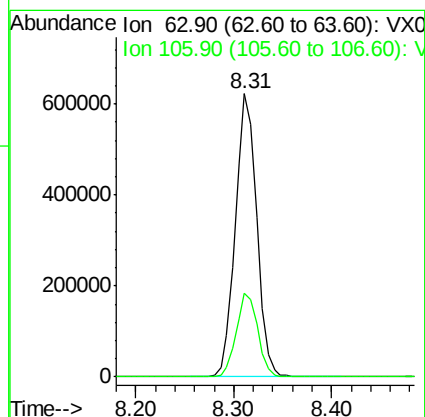
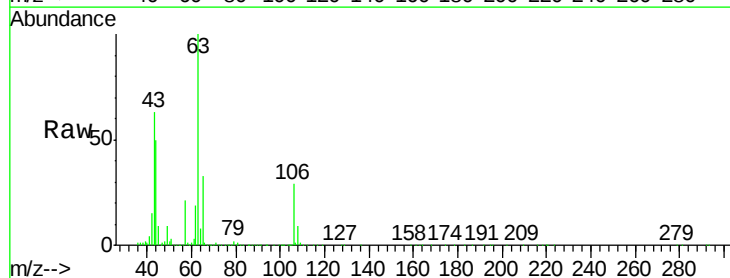
Acq: 24 Jan 2019 10:36

Tgt Ion: 63 Resp: 942561

Ion Ratio Lower Upper

63 100

106 29.9 24.6 36.8





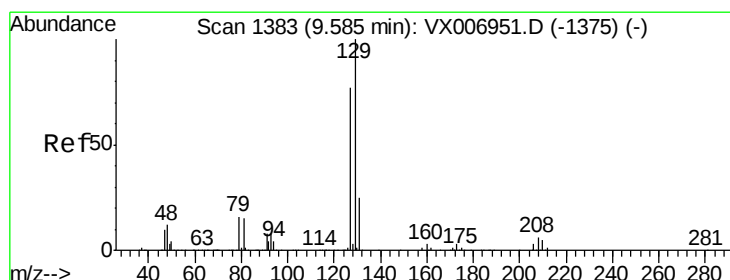
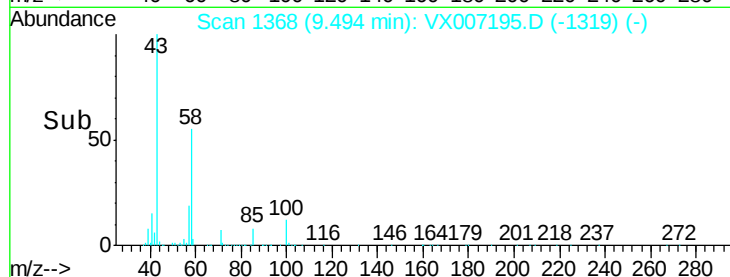
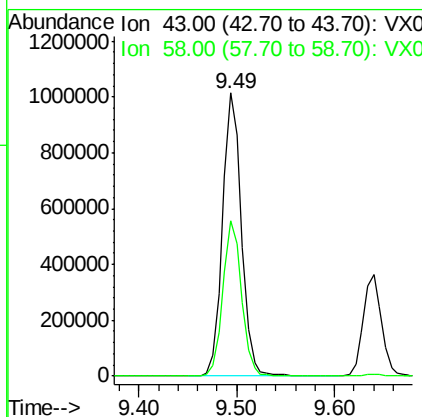
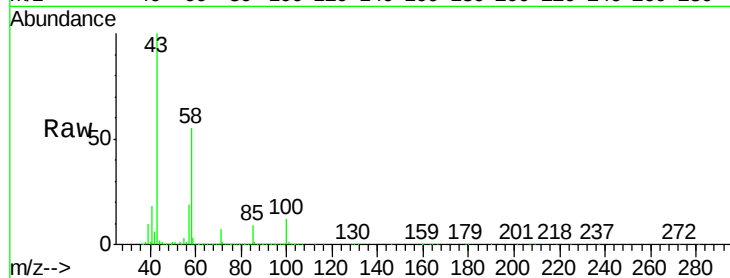
#59
2-Hexanone
Concen: 270.709 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1356001
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1

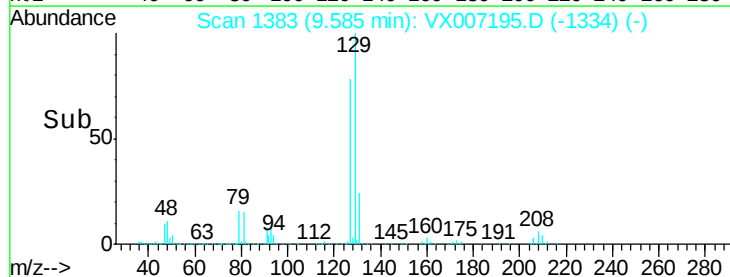
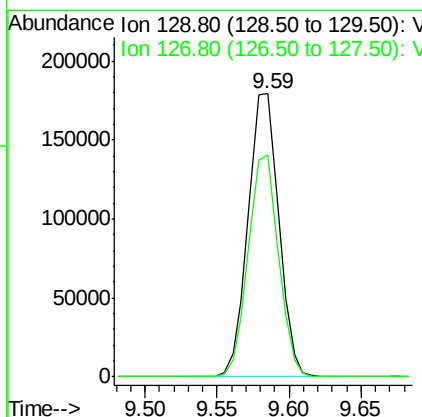
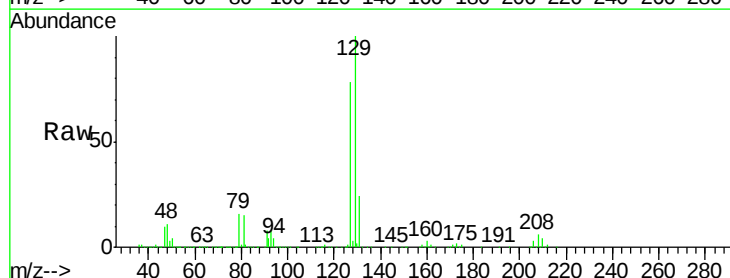
Manual Integrations
APPROVED

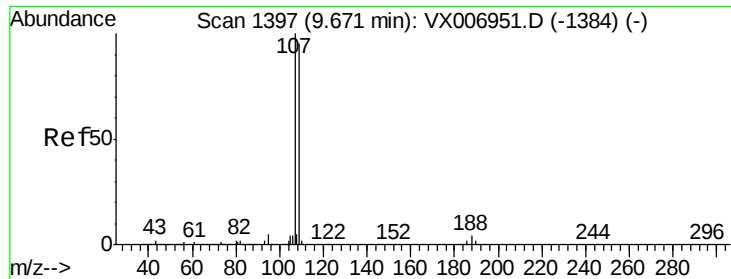
MMDadoda
1/25/2019 10:30:27 AM



#60
Dibromochloromethane
Concen: 57.394 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion: 129 Resp: 264599
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8





#61

1,2-Dibromoethane

Concen: 51.622 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 269816

Ion Ratio Lower Upper

107 100

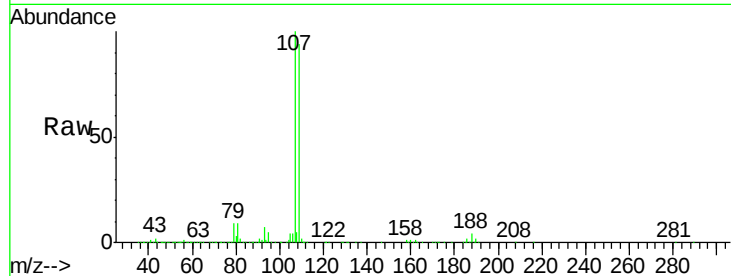
109 94.8 75.8 113.6

Manual Integrations

APPROVED

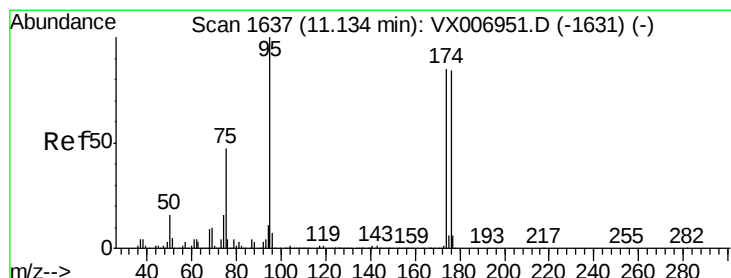
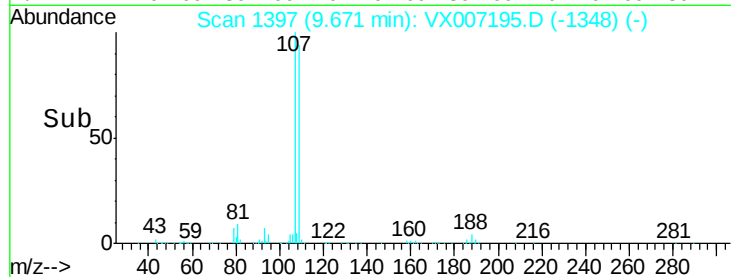
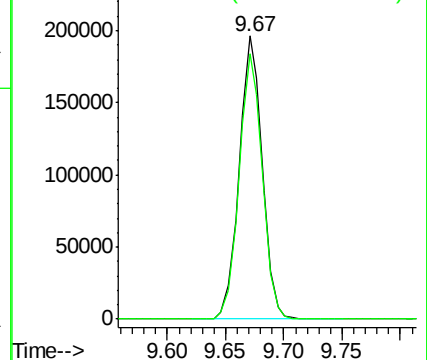
MMDadoda

1/25/2019 10:30:27 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.042 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

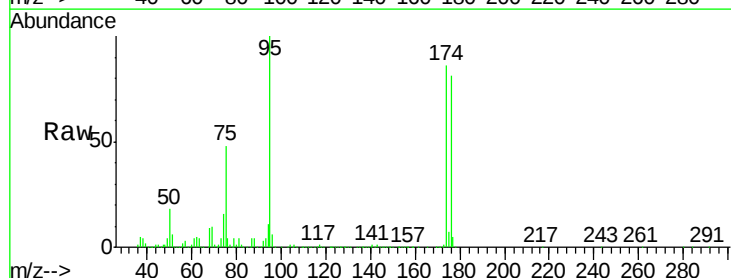
Tgt Ion: 95 Resp: 301538

Ion Ratio Lower Upper

95 100

174 94.1 0.0 182.2

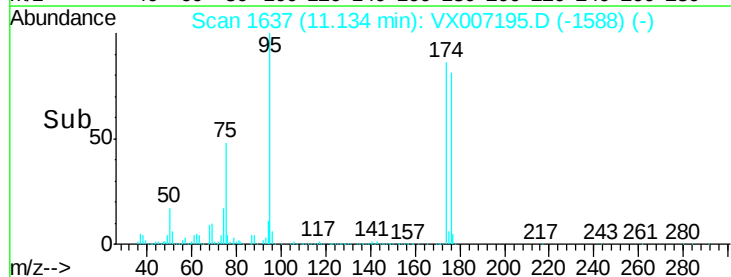
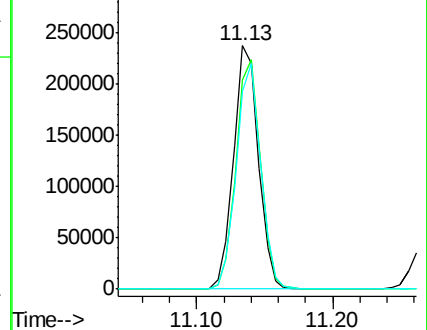
176 91.5 0.0 178.8

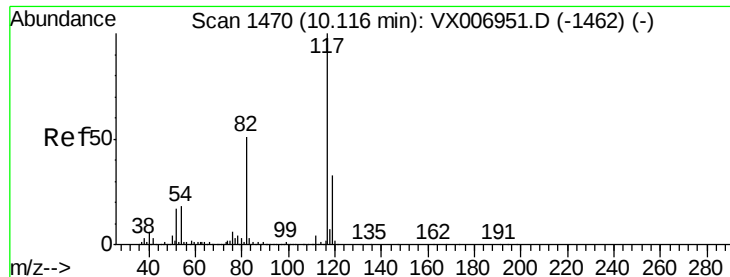


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





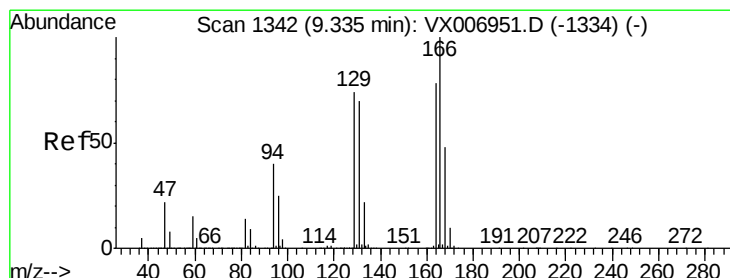
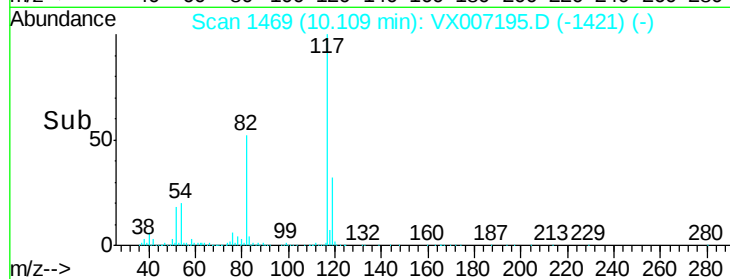
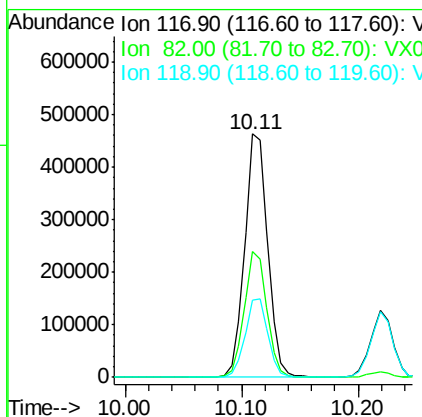
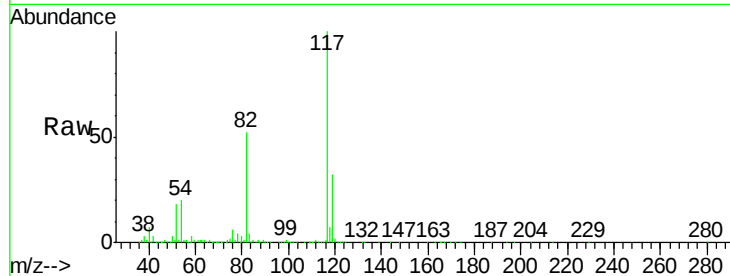
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.0	61.6
119	31.9	25.4	38.0

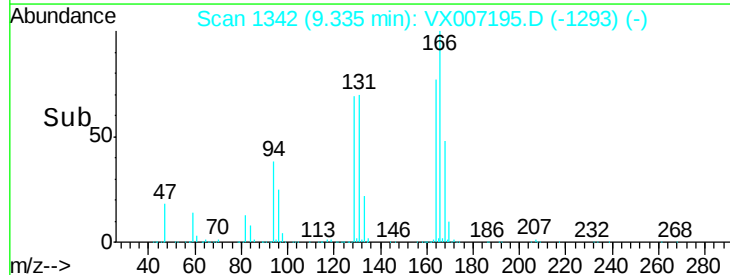
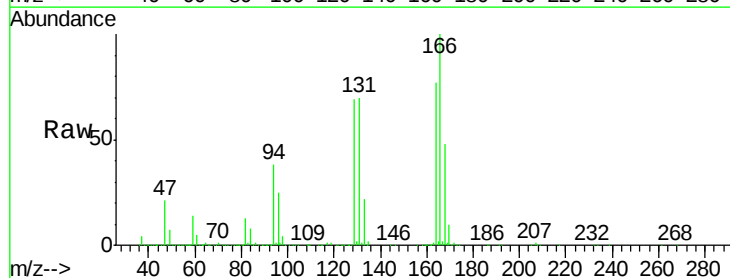
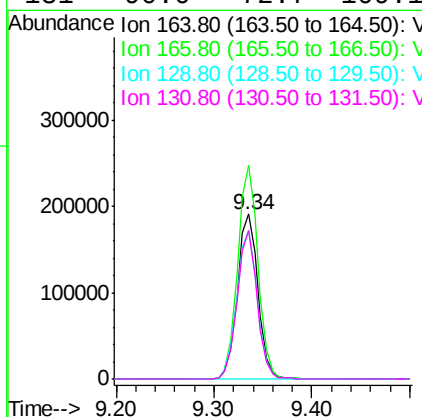
Manual Integrations
APPROVED

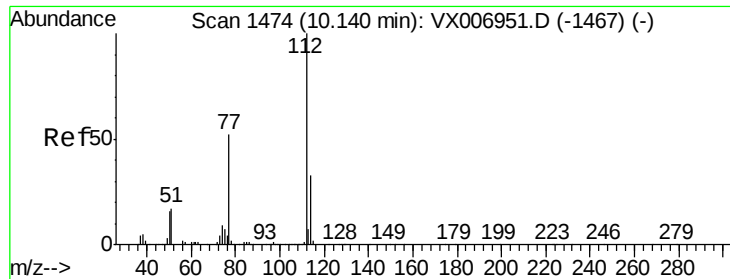
MMDadoda
1/25/2019 10:30:27 AM



#64
Tetrachloroethene
Concen: 49.954 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.5	153.7
129	89.8	75.1	112.7
131	90.0	72.7	109.1





#65

Chlorobenzene

Concen: 49.005 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 686346

Ion Ratio Lower Upper

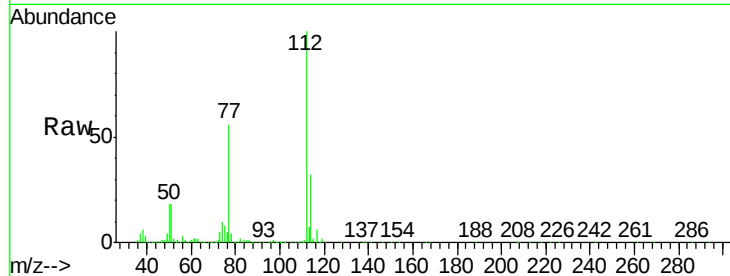
112 100

114 32.2 25.7 38.5

Manual Integrations
APPROVED

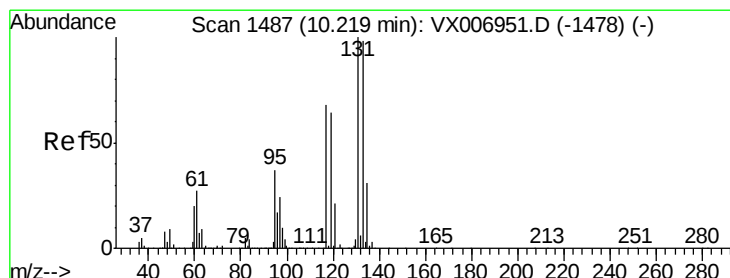
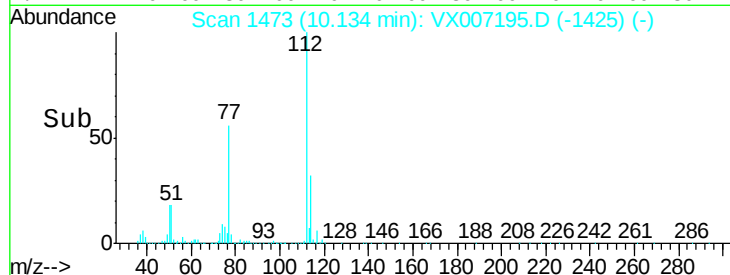
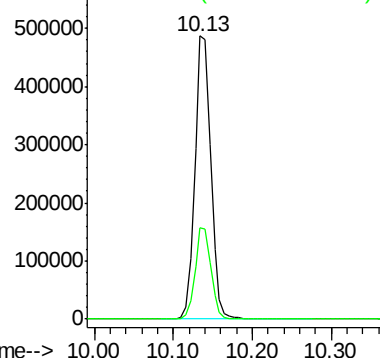
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.355 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

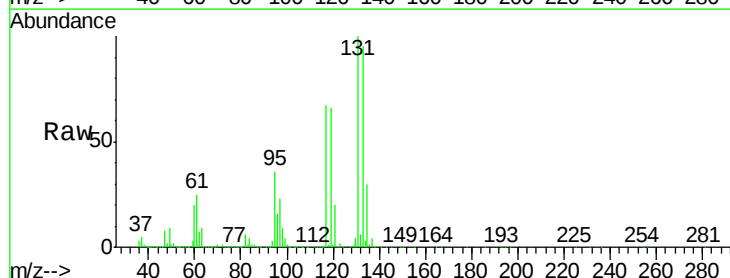
Tgt Ion:131 Resp: 256096

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.2

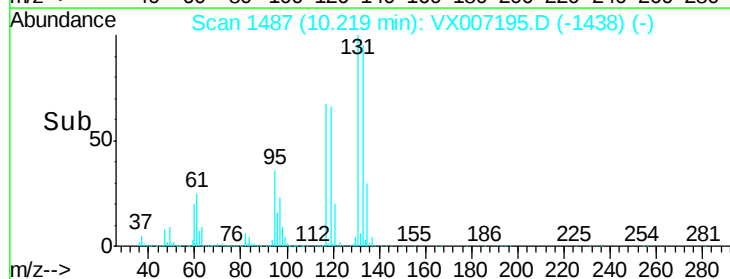
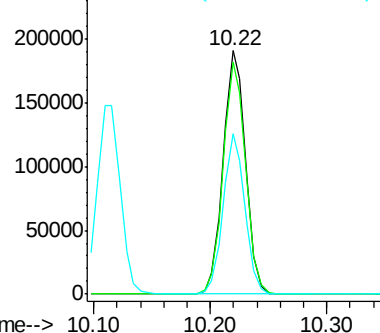
119 64.0 32.6 97.8

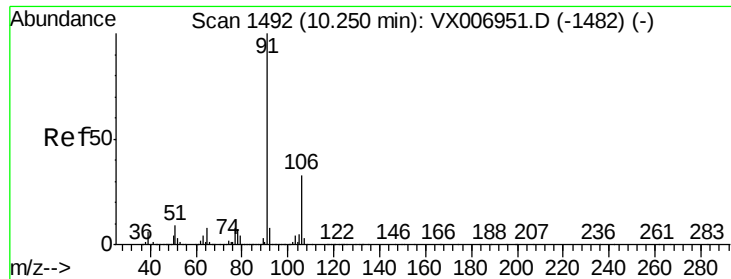


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.299 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1139888

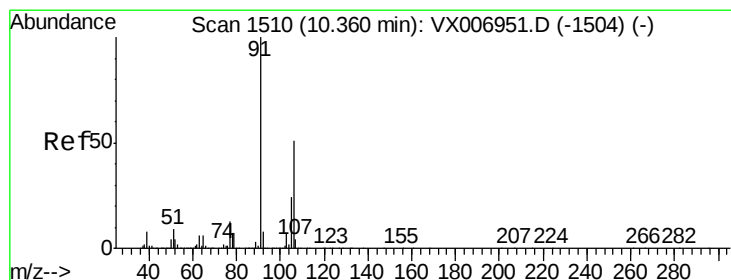
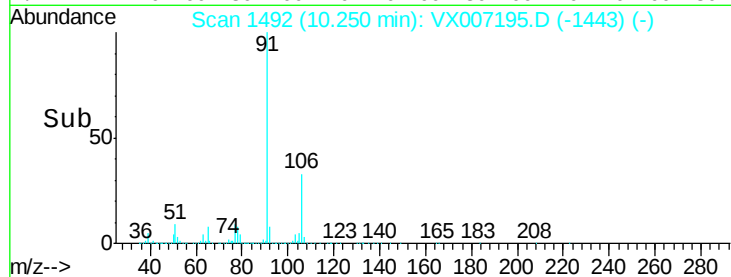
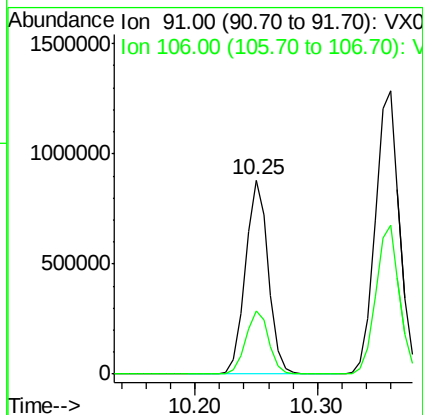
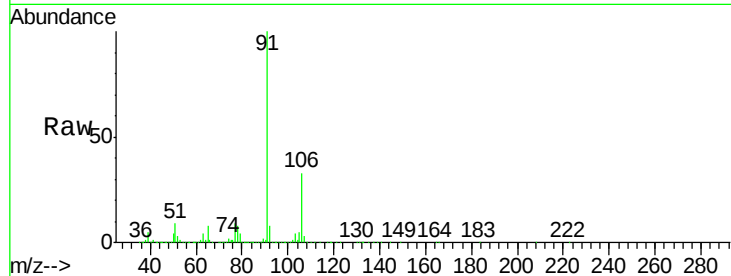
Ion Ratio Lower Upper

91 100

106 32.6 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 99.761 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007195.D

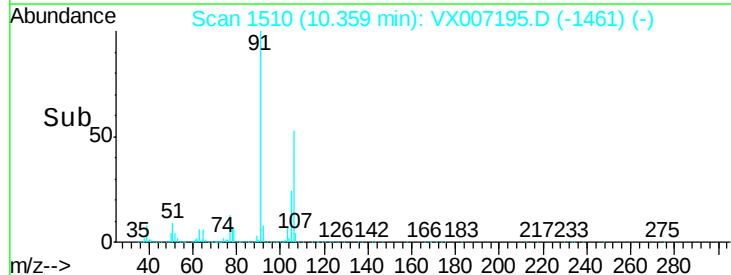
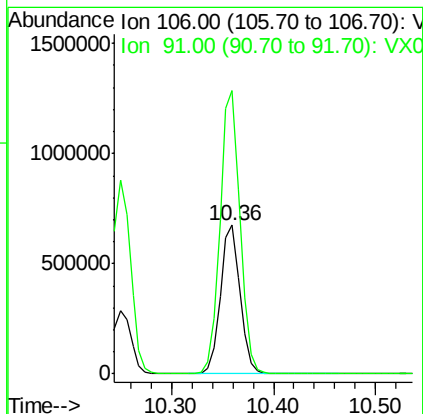
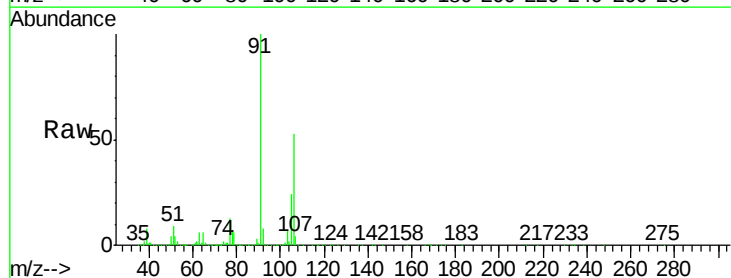
Acq: 24 Jan 2019 10:36

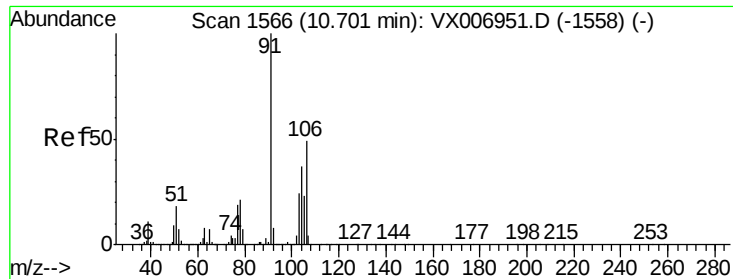
Tgt Ion: 106 Resp: 908785

Ion Ratio Lower Upper

106 100

91 194.3 155.8 233.6





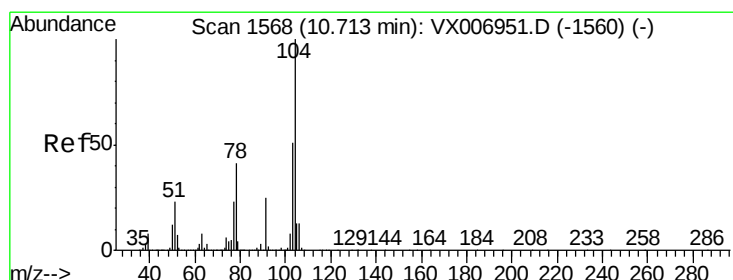
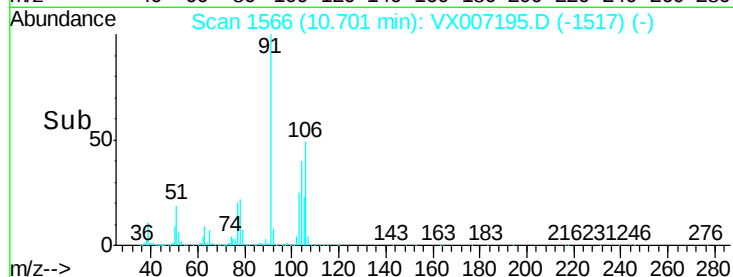
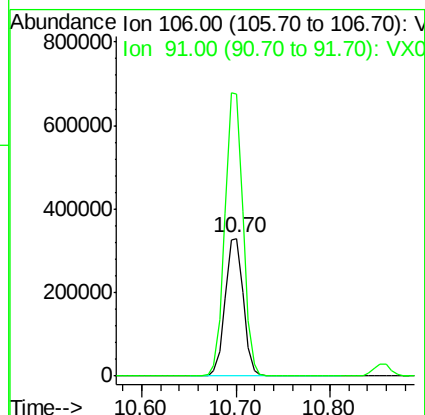
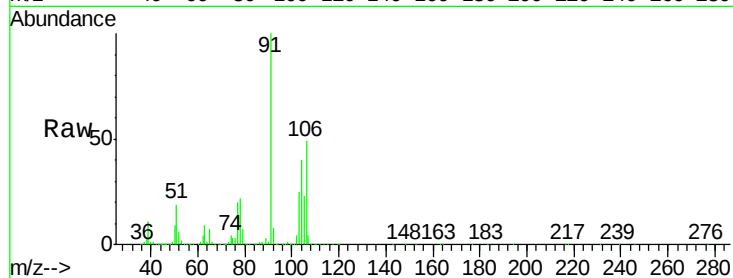
#69
o-Xylene
Concen: 49.704 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	205.6	101.3	303.7		

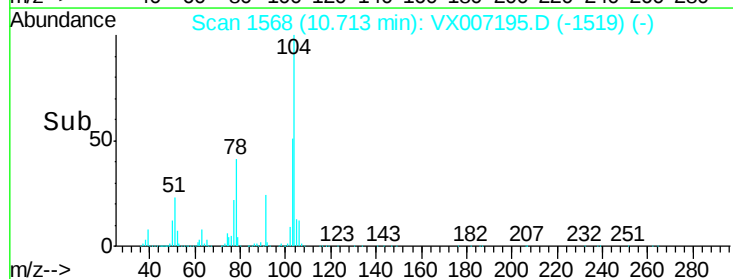
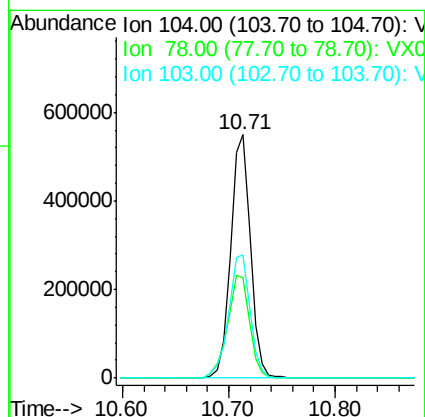
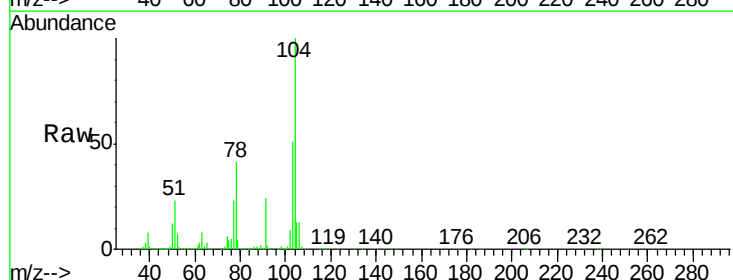
Manual Integrations
APPROVED

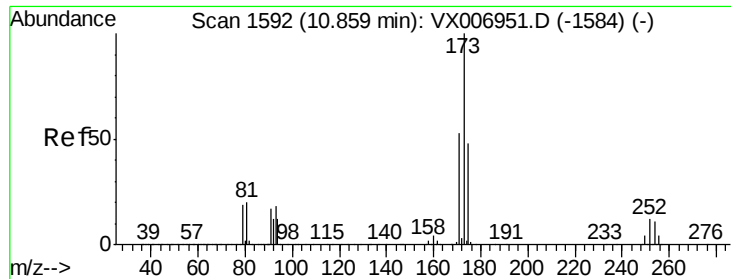
MMDadoda
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#70
Styrene
Concen: 50.958 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.2	37.7	56.5		
103	55.6	43.8	65.8		





#71

Bromoform

Concen: 48.107 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 201951

Ion Ratio Lower Upper

173 100

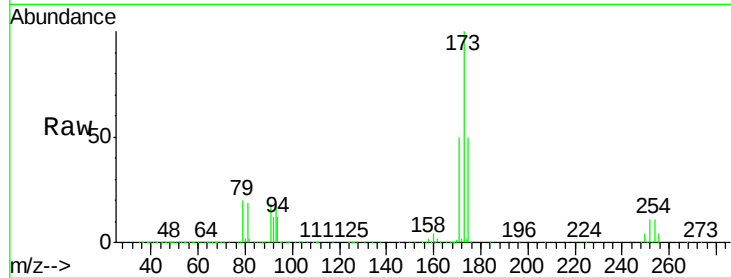
175 48.6 24.7 74.1

254 0.2 0.2 0.2

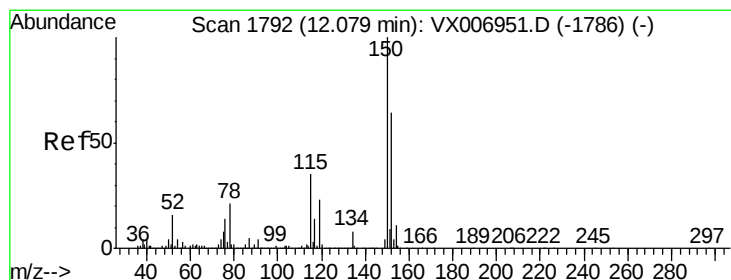
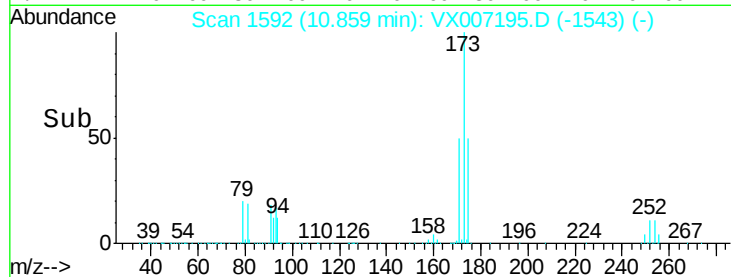
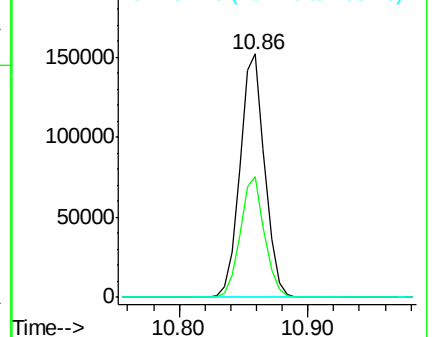
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

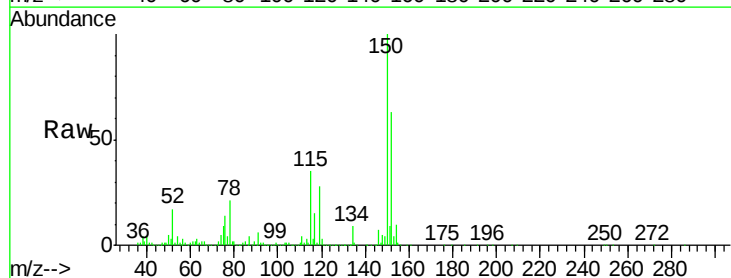
Tgt Ion:152 Resp: 342702

Ion Ratio Lower Upper

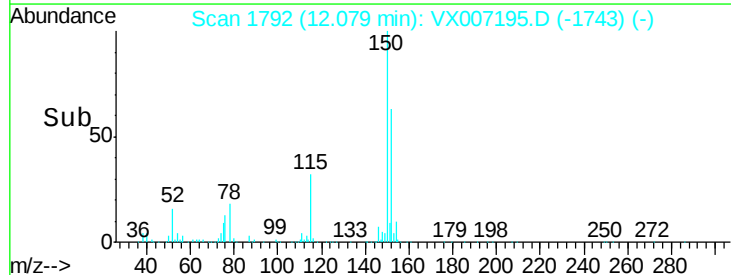
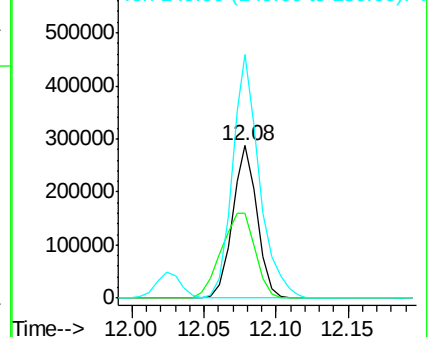
152 100

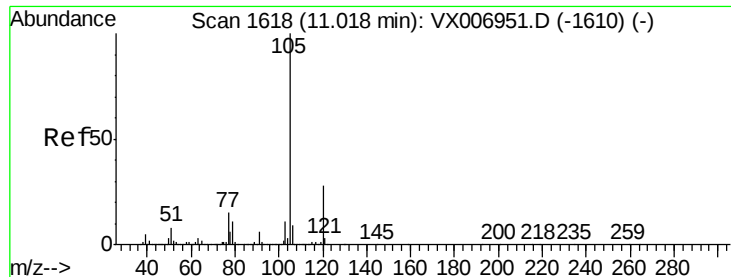
115 77.1 39.1 117.2

150 174.8 0.0 344.8



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





#73

Isopropylbenzene

Concen: 49.340 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1192312

Ion Ratio Lower Upper

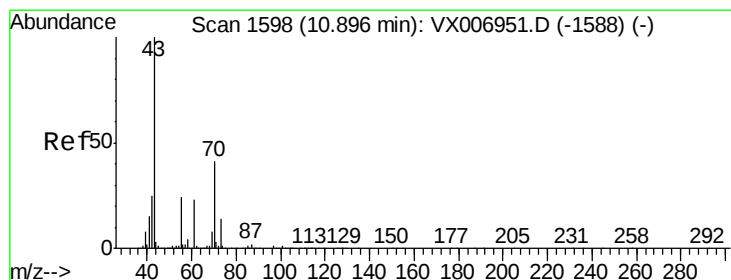
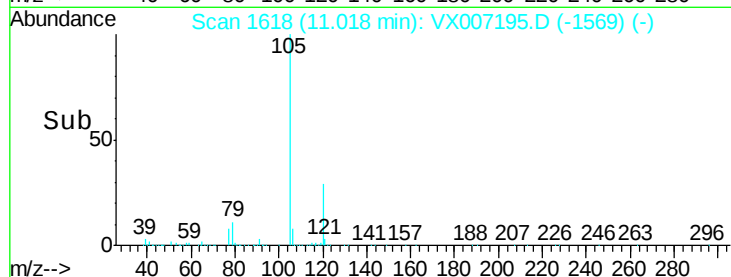
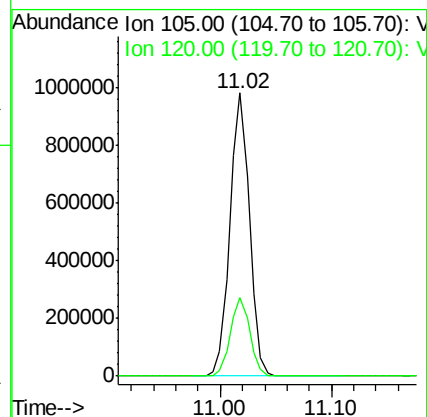
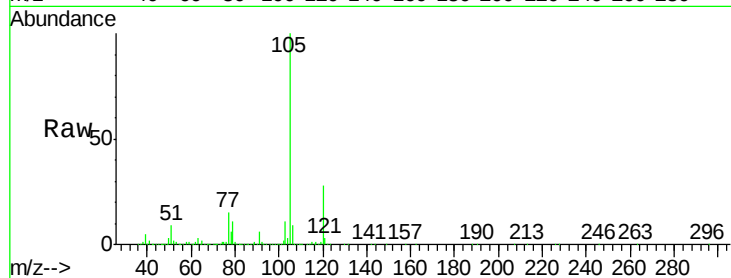
105 100

120 27.7 14.1 42.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 48.073 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion: 43 Resp: 467726

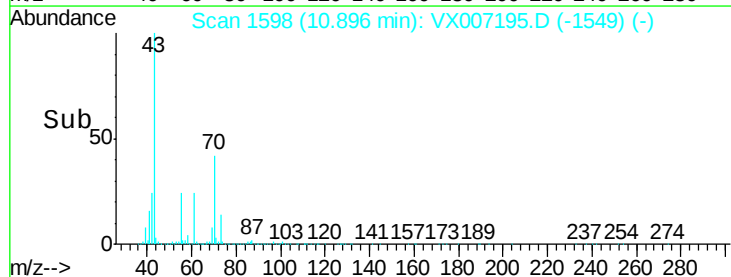
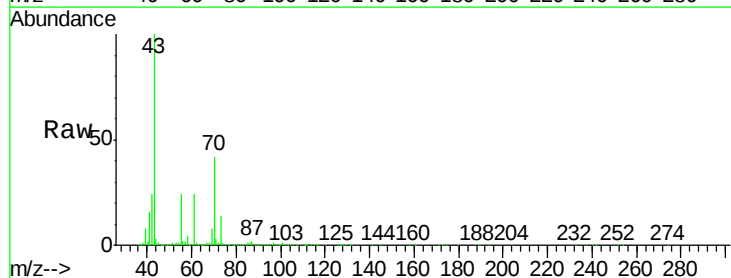
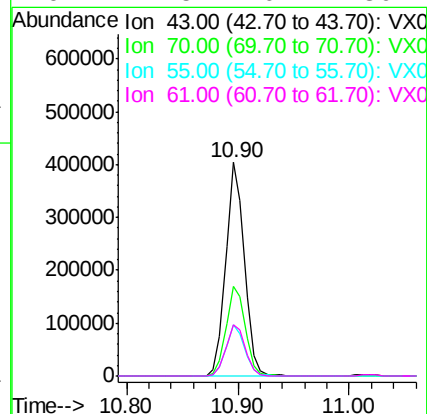
Ion Ratio Lower Upper

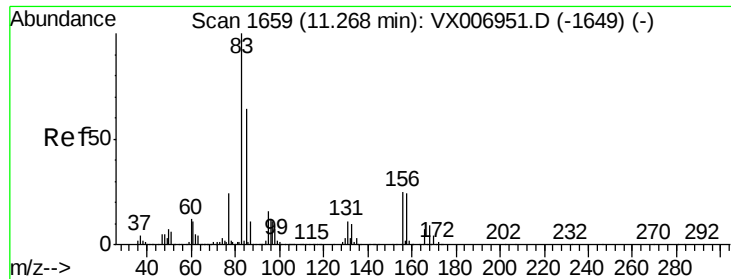
43 100

70 43.4 35.8 53.8

55 24.1 19.4 29.0

61 24.5 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.017 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 368368

Ion Ratio Lower Upper

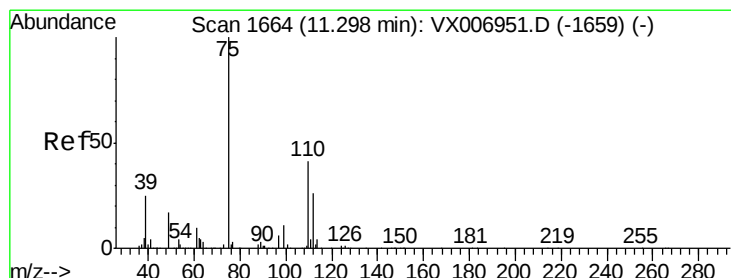
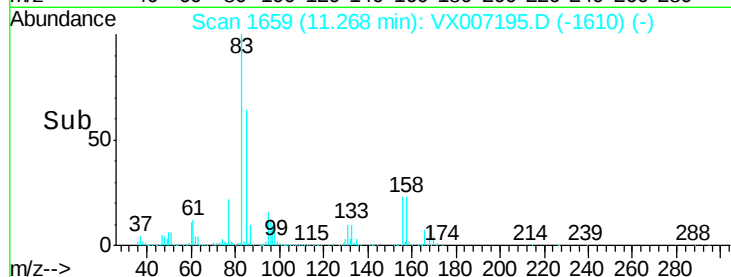
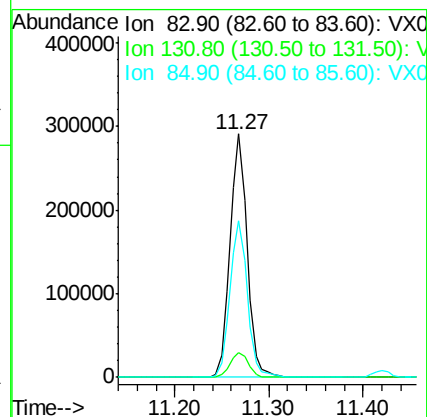
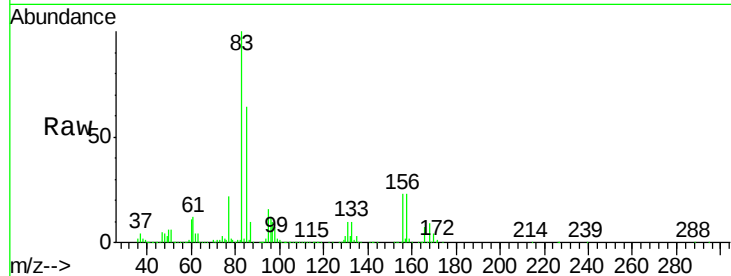
83 100

131 10.9 5.7 17.1

85 65.4 32.2 96.6

Manual Integrations
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MMDadoda
1/25/2019 10:30:27 AM



#76

1,2,3-Trichloropropane

Concen: 50.180 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007195.D

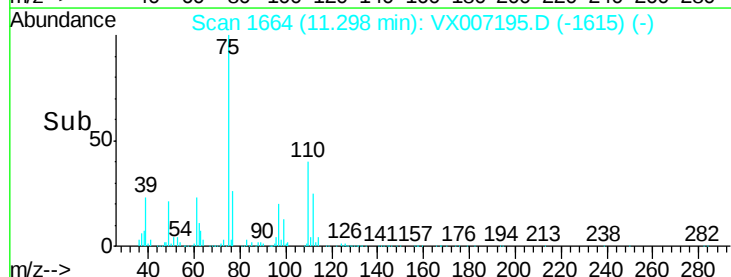
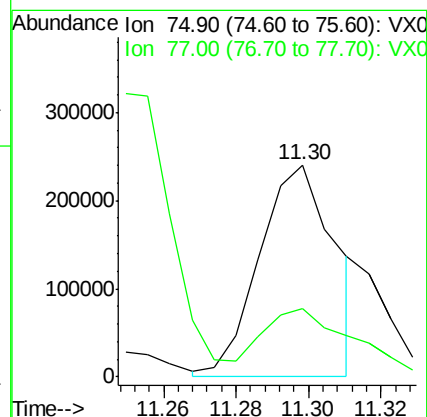
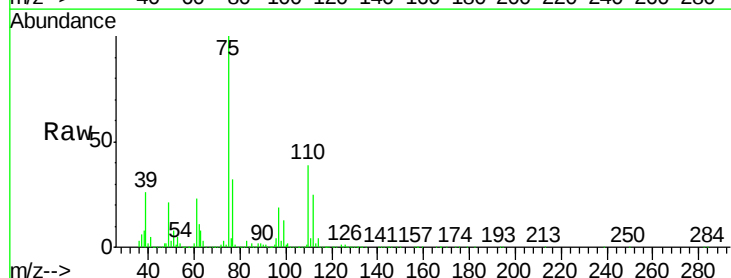
Acq: 24 Jan 2019 10:36

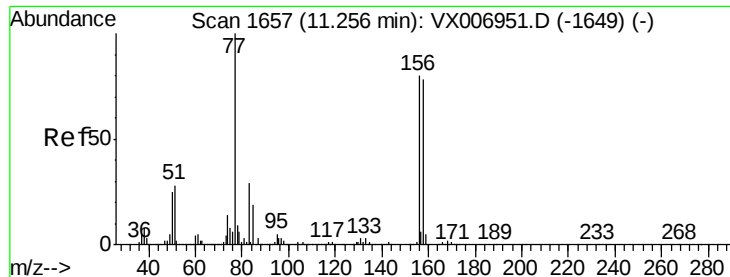
Tgt Ion: 75 Resp: 348488

Ion Ratio Lower Upper

75 100

77 38.5 18.5 55.5





#77

Bromobenzene

Concen: 48.135 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 320503

Ion Ratio Lower Upper

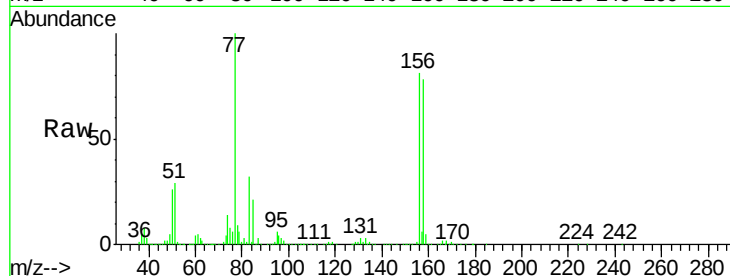
156 100

77 134.7 68.0 204.0

158 95.9 48.3 144.8

Manual Integrations
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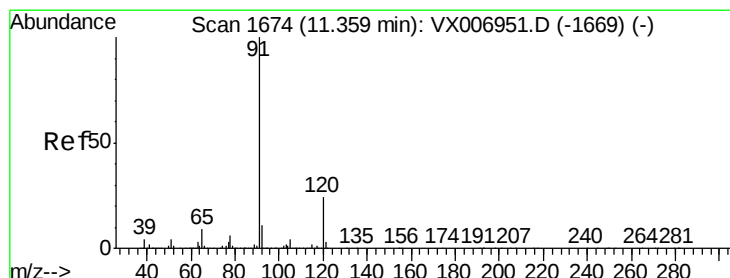
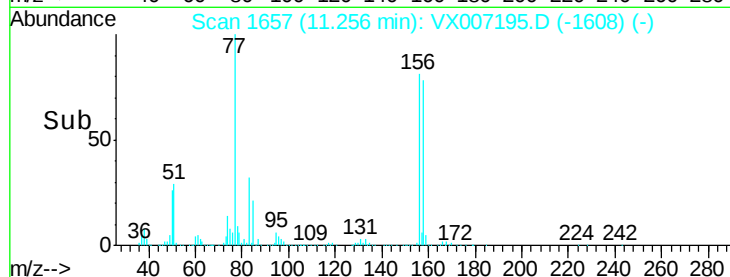
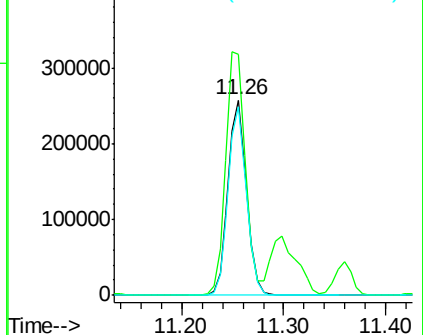
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.550 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007195.D

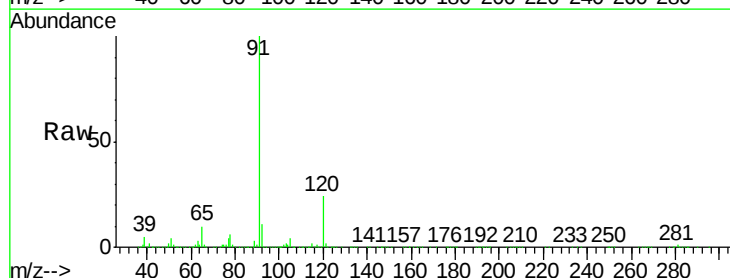
Acq: 24 Jan 2019 10:36

Tgt Ion: 91 Resp: 1341008

Ion Ratio Lower Upper

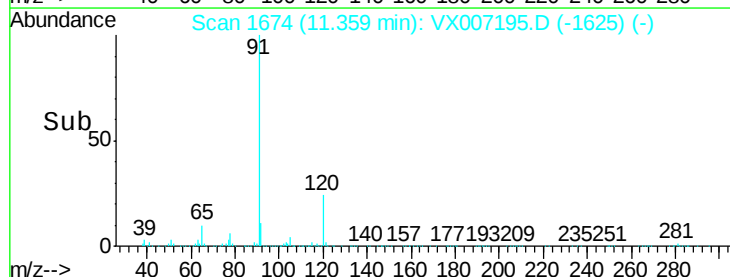
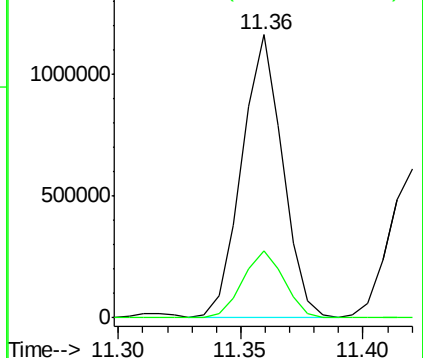
91 100

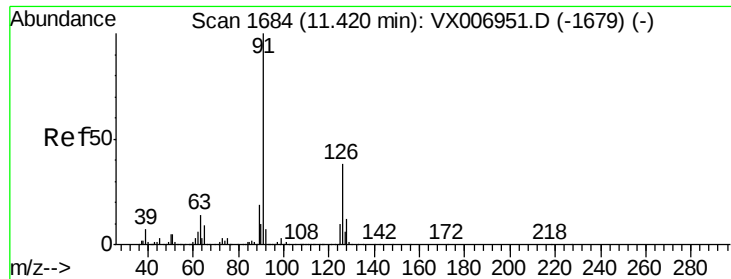
120 24.5 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.320 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 771613

Ion Ratio Lower Upper

91 100

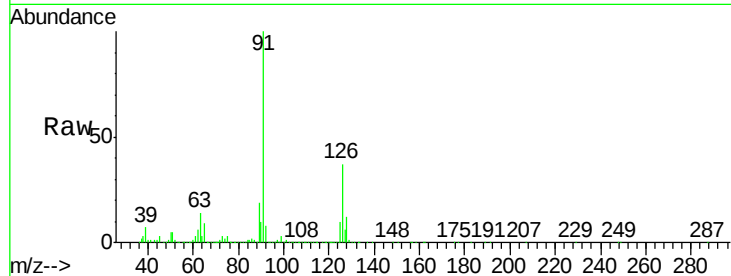
126 37.4 18.6 56.0

Manual Integrations

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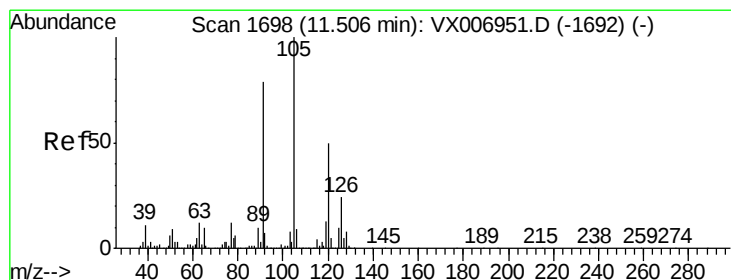
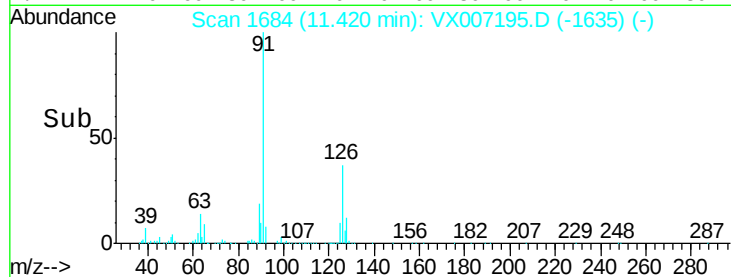
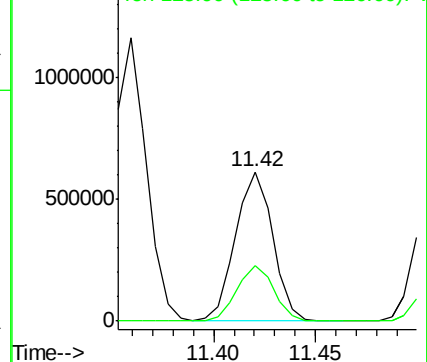
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.134 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007195.D

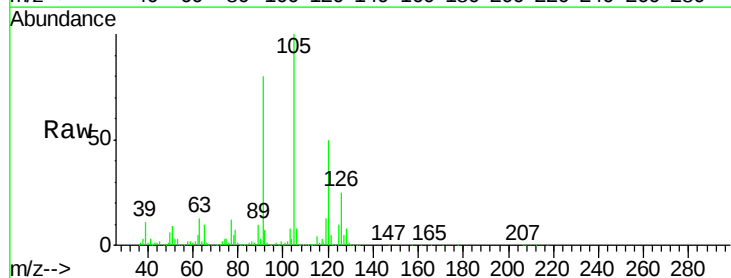
Acq: 24 Jan 2019 10:36

Tgt Ion:105 Resp: 992119

Ion Ratio Lower Upper

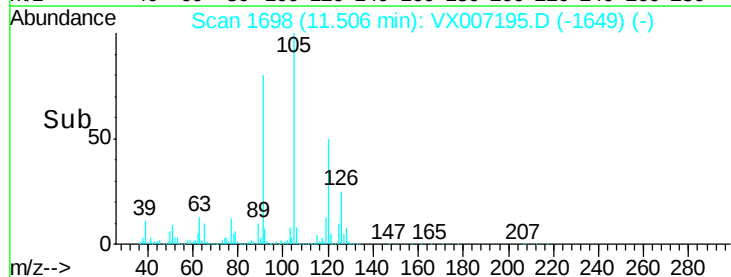
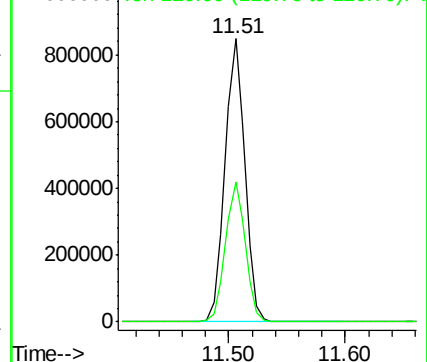
105 100

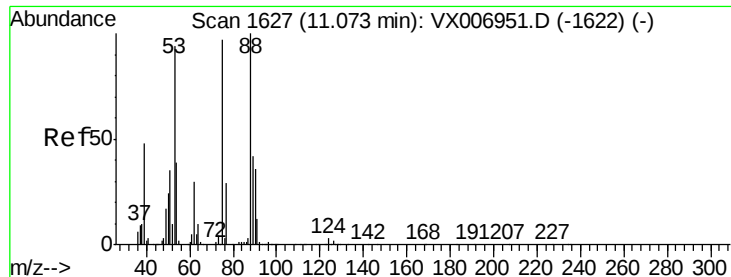
120 49.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.840 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

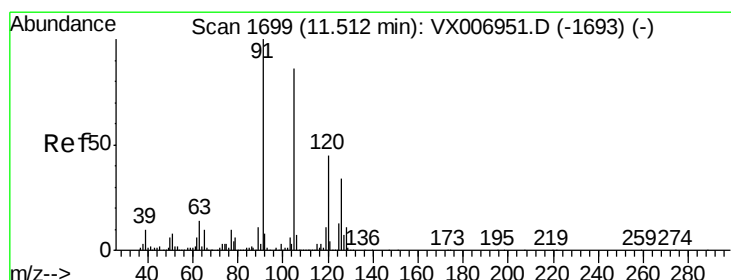
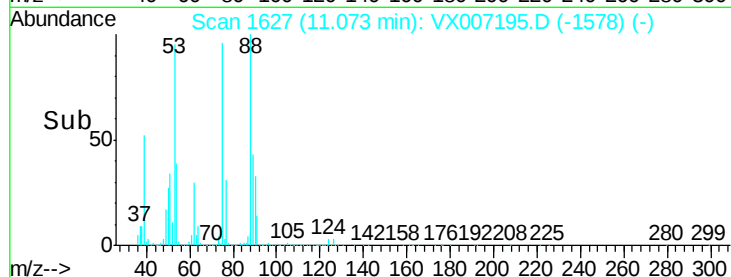
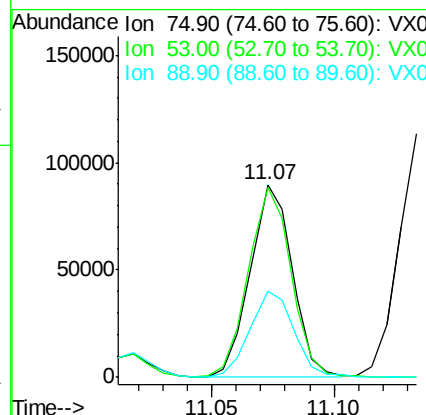
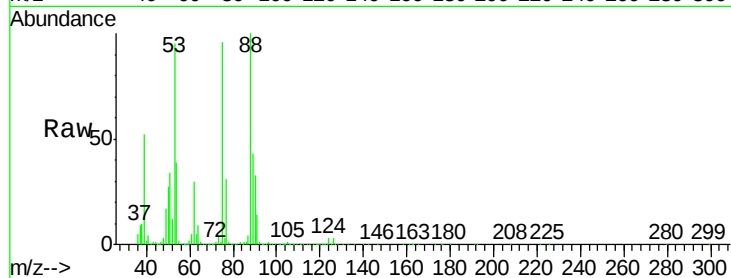
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	107194
Ion	Ratio	Lower	Upper
75	100		
53	100.4	79.7	119.5
89	47.5	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.118 ug/l

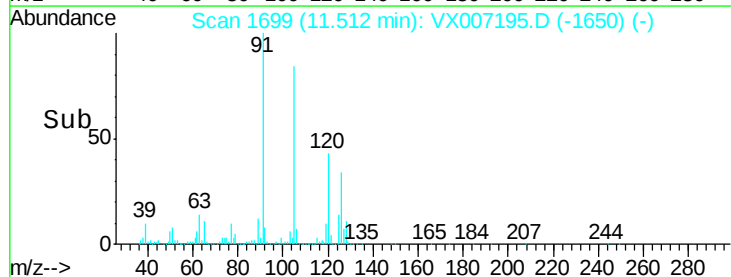
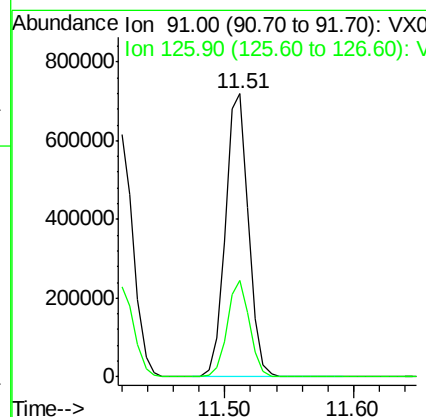
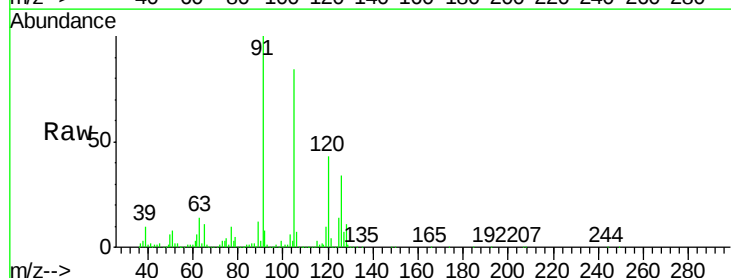
RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion:	91	Resp:	908171
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.3	48.9





#83

tert-Butylbenzene

Concen: 48.310 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

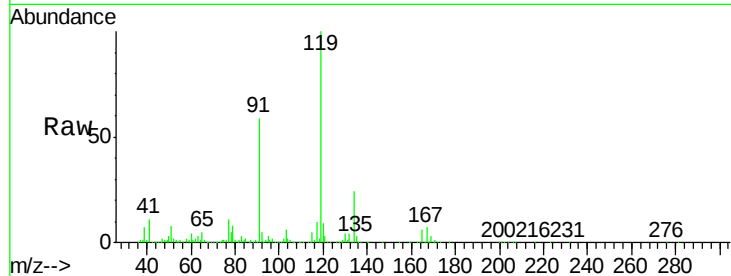
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	27.7	83.1
134	24.2	11.9	35.5

Manual Integrations
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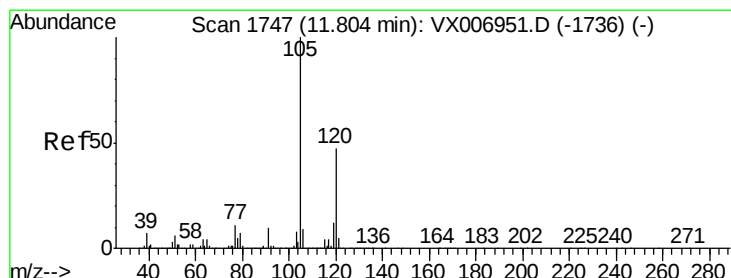
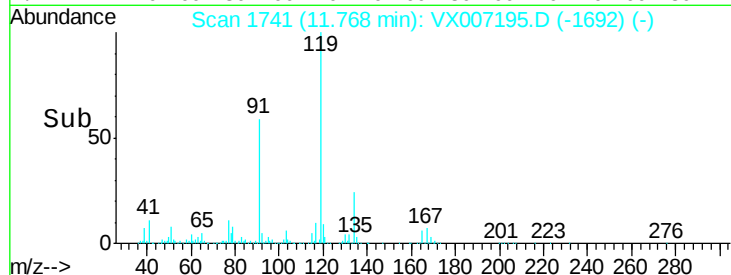
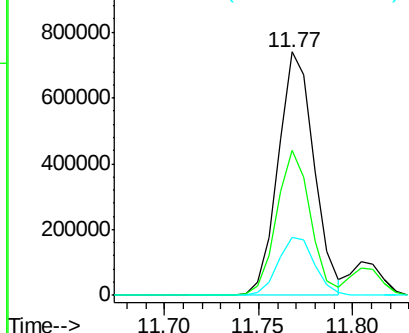
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.452 ug/l

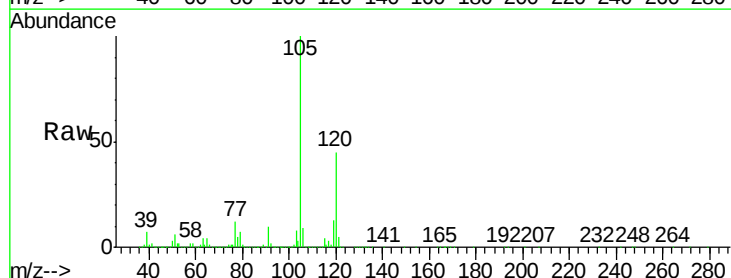
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007195.D

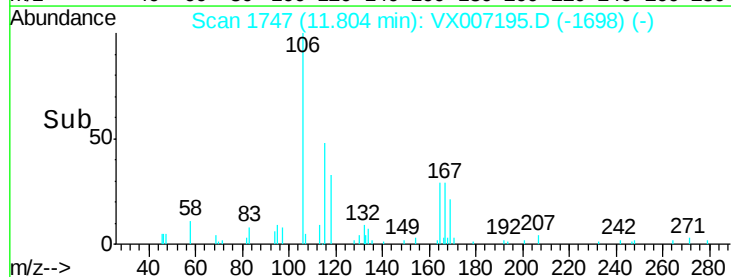
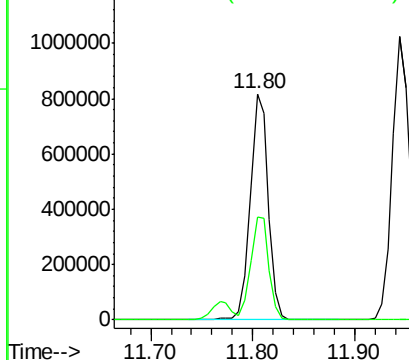
Acq: 24 Jan 2019 10:36

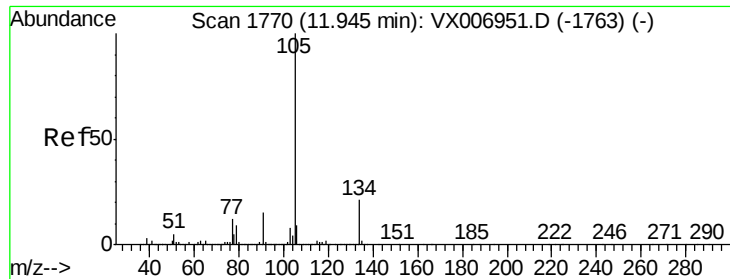
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.2	69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.808 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1222430

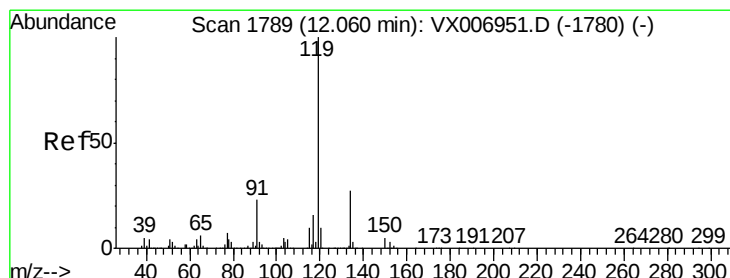
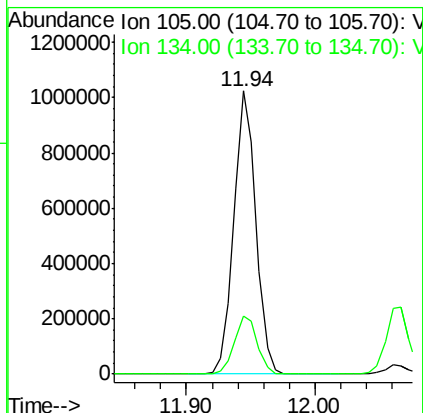
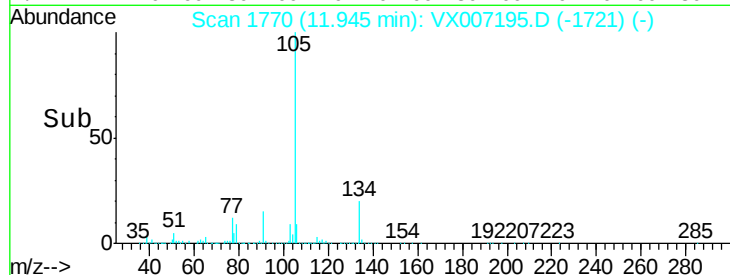
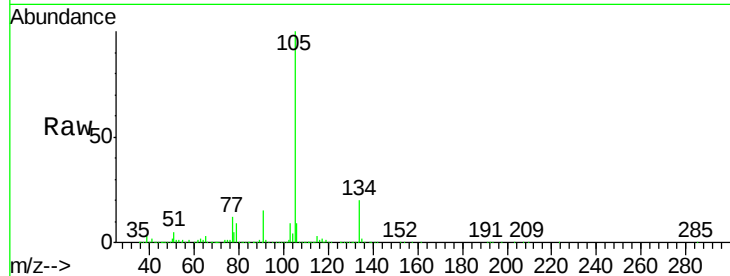
Ion Ratio Lower Upper

105 100

134 21.2 10.7 31.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.739 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

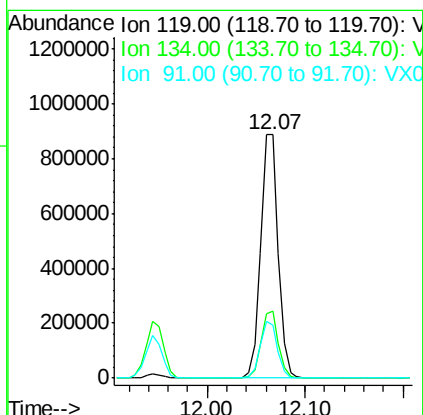
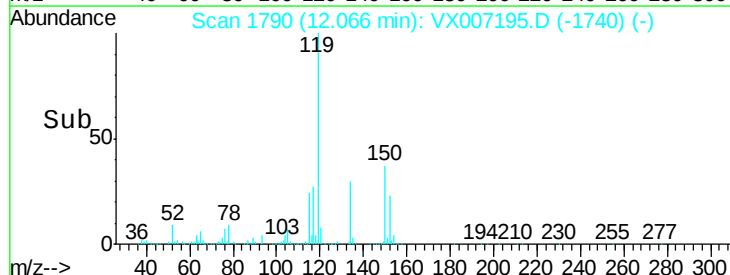
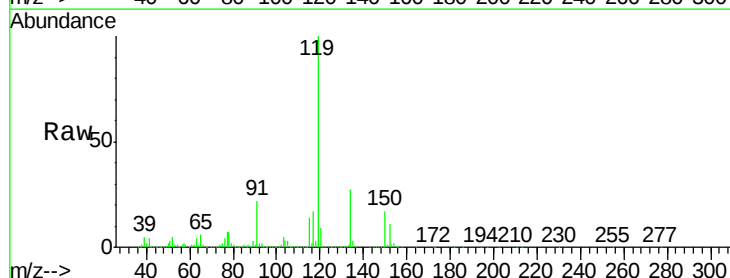
Tgt Ion:119 Resp: 1091947

Ion Ratio Lower Upper

119 100

134 27.2 14.0 41.9

91 22.8 11.3 33.9





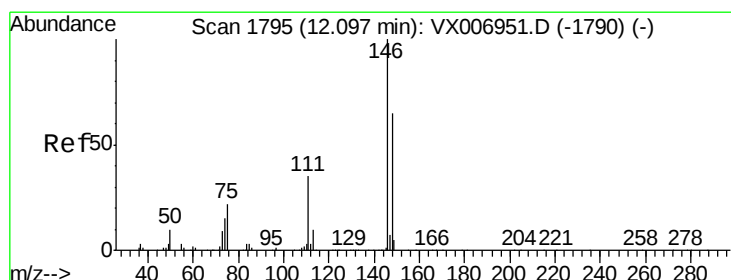
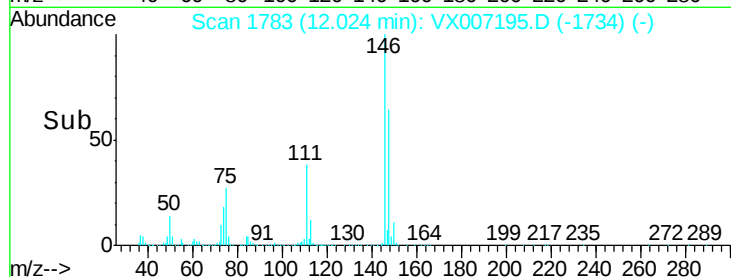
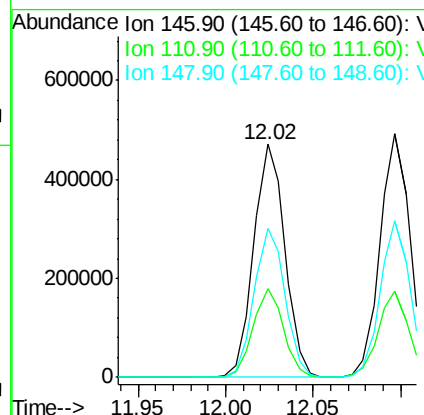
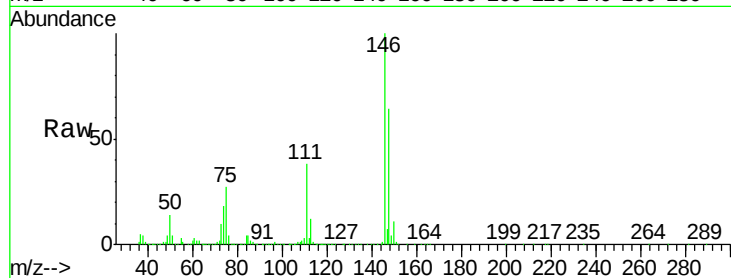
#87
 1,3-Dichlorobenzene
 Concen: 48.521 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007195.D
 Acq: 24 Jan 2019 10:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.8	31.8	95.3

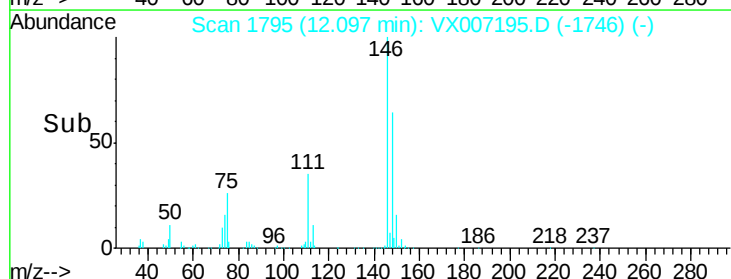
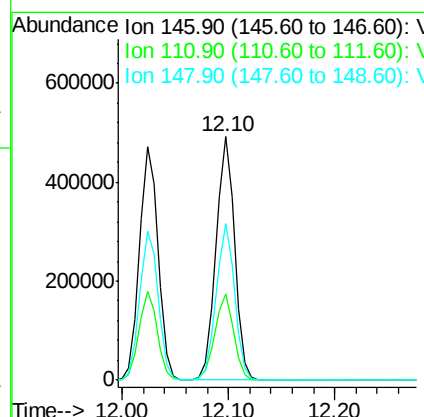
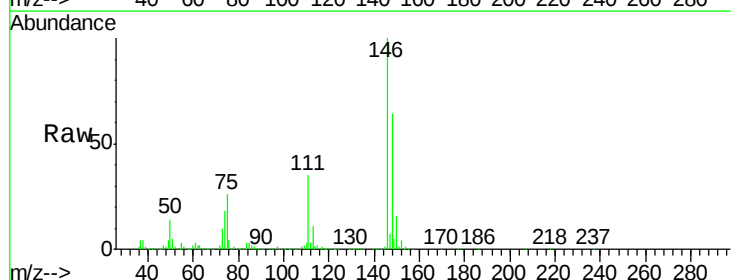
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 51.508 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007195.D
 Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.1
148	63.9	31.9	95.9





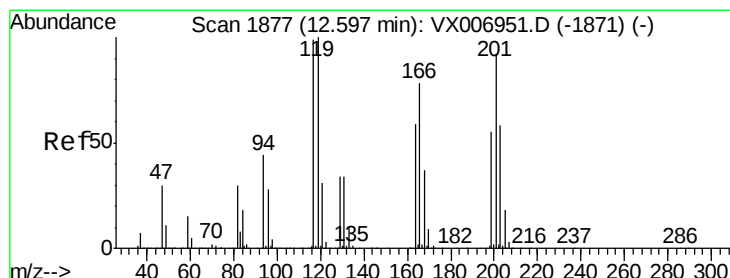
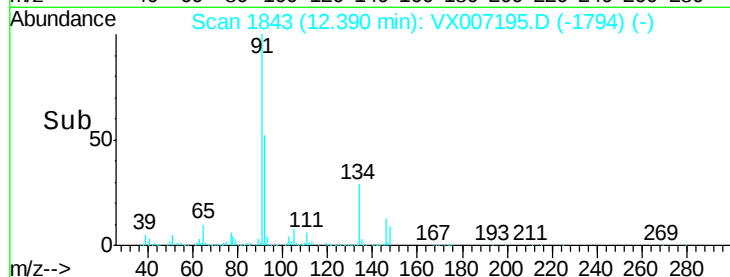
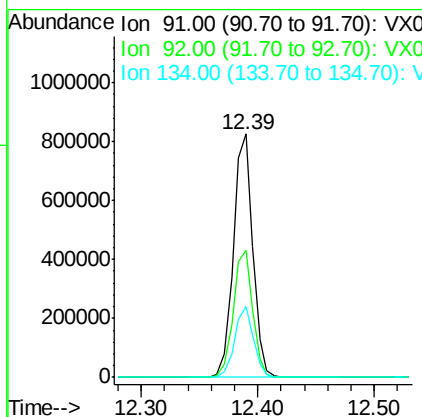
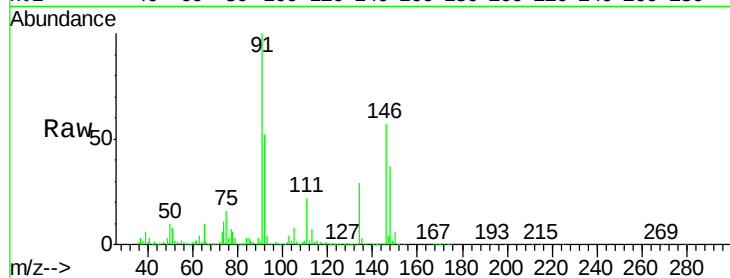
#89
n-Butylbenzene
Concen: 51.995 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.4
134	28.2	14.4	43.2

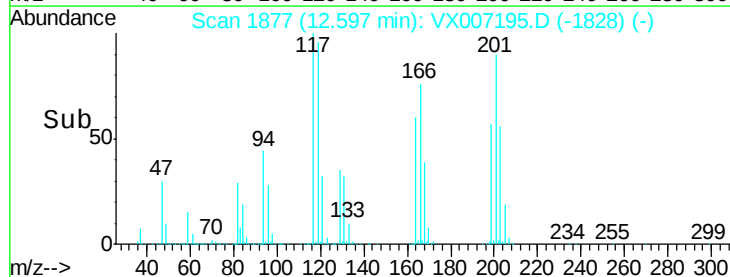
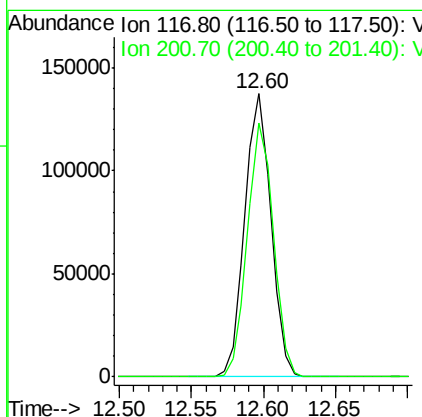
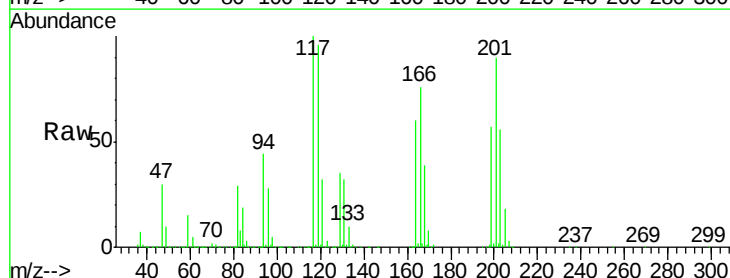
Manual Integrations
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#90
Hexachloroethane
Concen: 50.349 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007195.D
Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 48.882 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

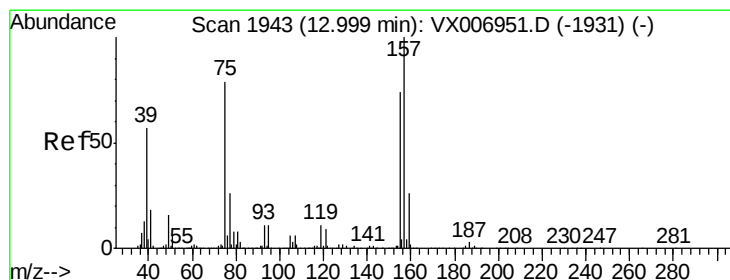
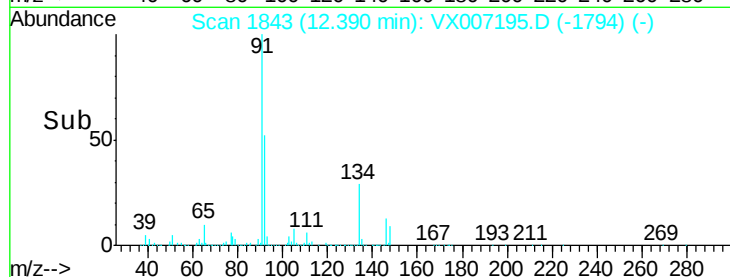
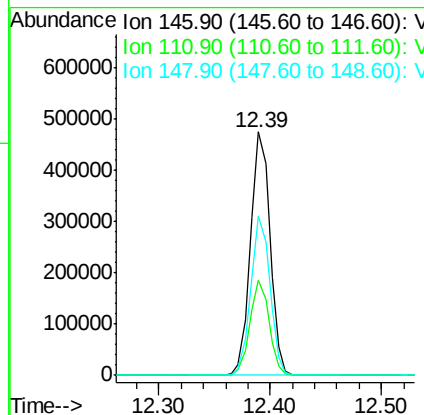
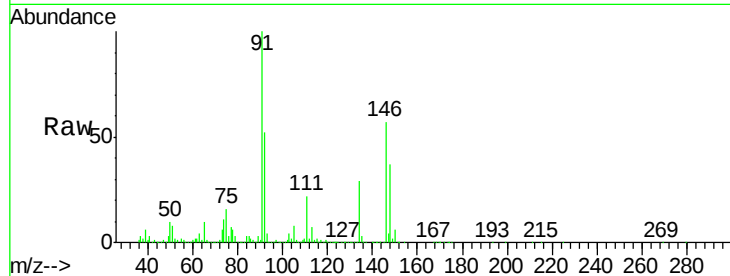
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	580561
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.4	58.2
148	64.2	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.142 ug/l

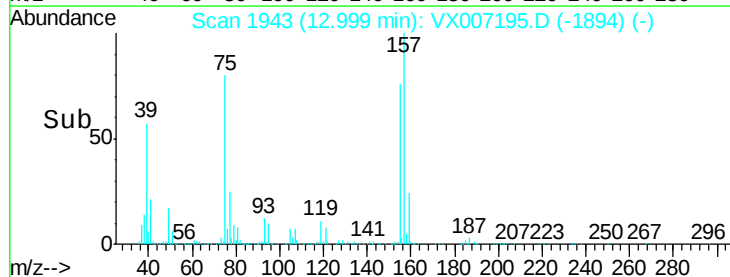
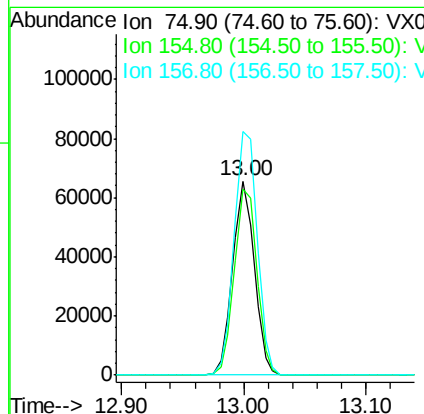
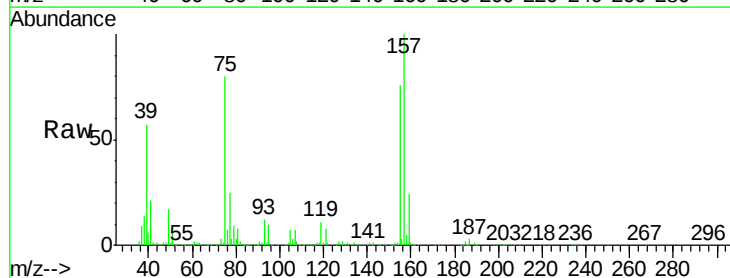
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Tgt Ion:	75	Resp:	80631
Ion Ratio	Lower	Upper	
75	100		
155	99.4	50.6	151.8
157	132.9	64.6	193.8





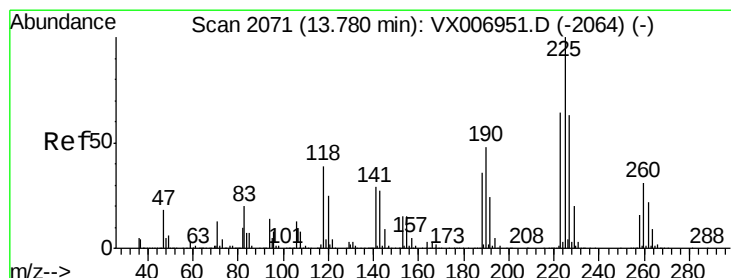
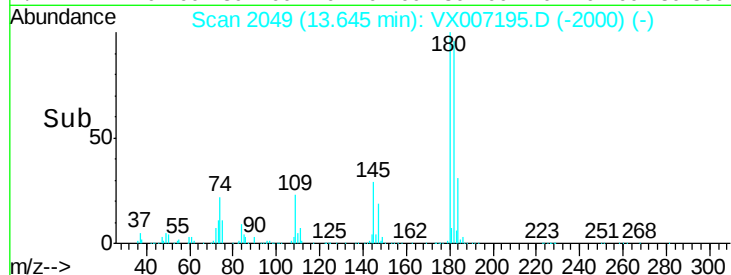
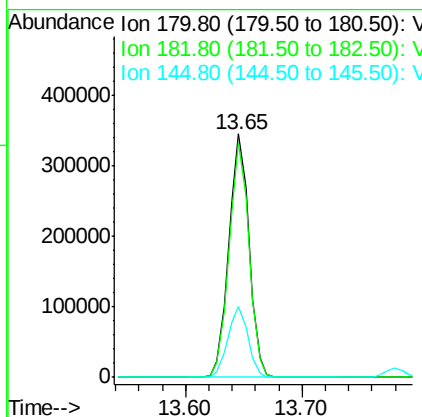
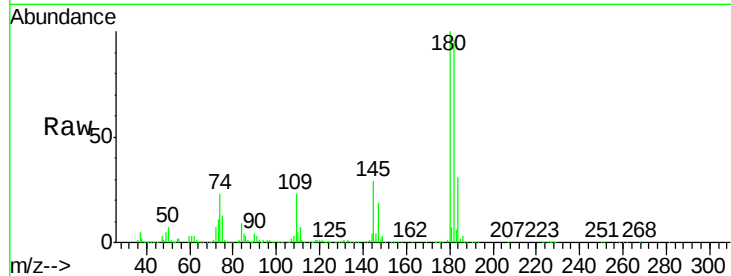
#93
 1,2,4-Trichlorobenzene
 Concen: 51.169 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007195.D
 Acq: 24 Jan 2019 10:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	416945		
182	95.3	47.3	142.0	
145	28.9	14.8	44.3	

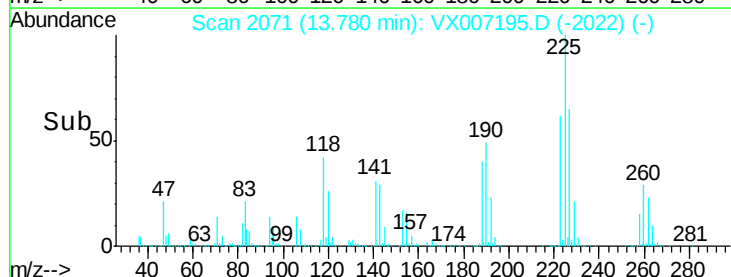
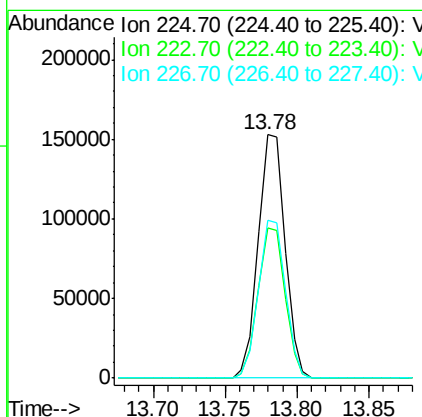
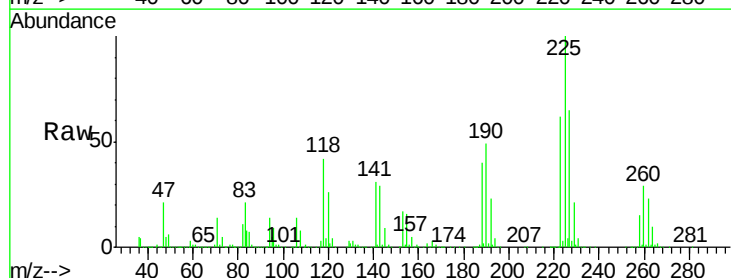
Manual Integrations
 APPROVED

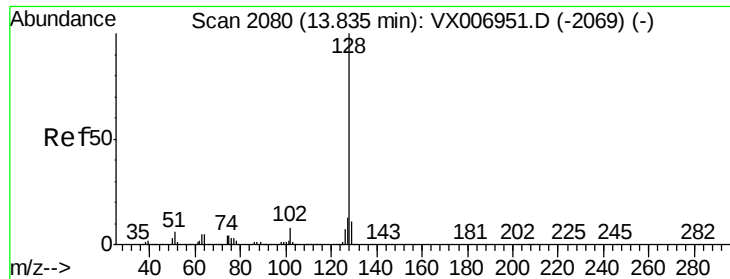
MMDadoda
 1/25/2019 10:30:27 AM



#94
 Hexachlorobutadiene
 Concen: 54.164 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007195.D
 Acq: 24 Jan 2019 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	195853		
223	62.5	32.1	96.3	
227	65.2	32.3	96.8	





#95

Naphthalene

Concen: 50.800 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1254303

Ion Ratio Lower Upper

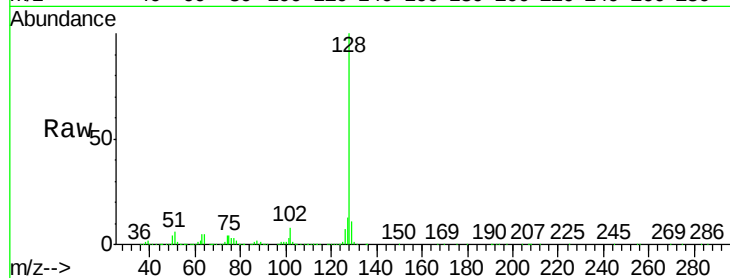
128 100

127 12.9 10.1 15.1

129 10.9 8.6 13.0

Manual Integrations
APPROVED

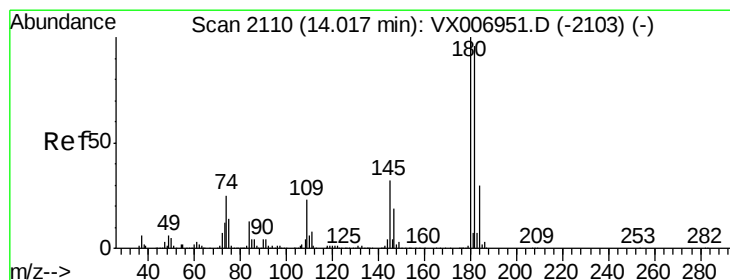
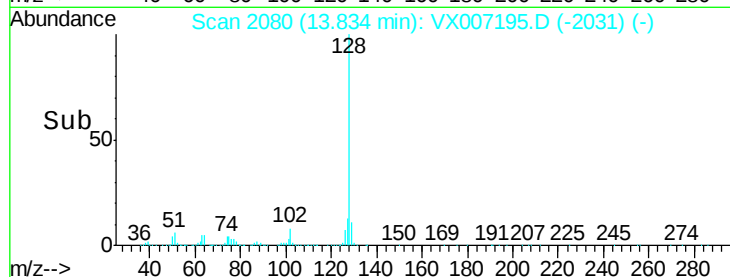
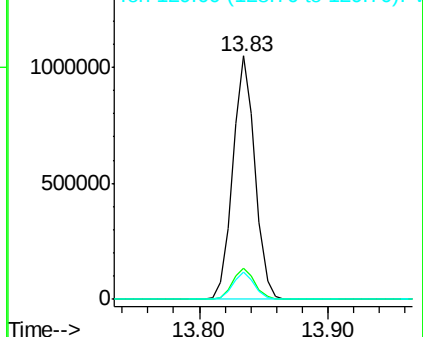
MMDadoda
1/25/2019 10:30:27 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.405 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007195.D

Acq: 24 Jan 2019 10:36

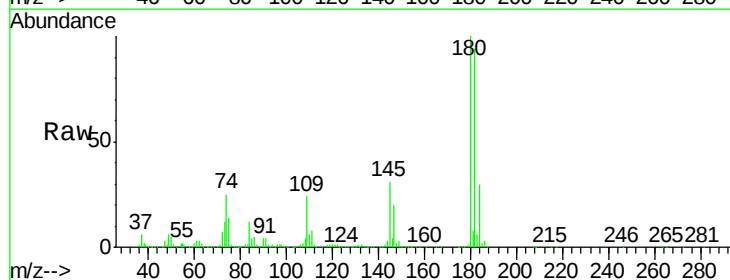
Tgt Ion:180 Resp: 416098

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.5

145 30.5 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

