

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021219\
 Data File : VX007497.D
 Acq On : 12 Feb 2019 19:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:14:39 PM

Quant Time: Feb 13 01:24:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	471311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	717046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	646127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	321316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	248550	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	5.51	113	229614	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	8.71	98	837376	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	294318	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	254432	43.952	ug/l	100
3) Chloromethane	1.33	50	230113	43.347	ug/l	99
4) Vinyl Chloride	1.41	62	254063	48.784	ug/l	100
5) Bromomethane	1.64	94	211321	40.948	ug/l	98
6) Chloroethane	1.72	64	159957	47.479	ug/l	98
7) Trichlorofluoromethane	1.93	101	390121	47.885	ug/l	99
8) Diethyl Ether	2.19	74	145615	47.487	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	215784	44.527	ug/l	99
10) Methyl Iodide	2.51	142	305147	42.804	ug/l	99
11) Tert butyl alcohol	3.07	59	261745	252.823	ug/l	99
12) 1,1-Dichloroethene	2.37	96	207297	46.065	ug/l	100
13) Acrolein	2.30	56	111016	228.675	ug/l	99
14) Allyl chloride	2.73	41	367830	50.166	ug/l	98
15) Acrylonitrile	3.15	53	668104	260.867	ug/l	100
16) Acetone	2.45	43	573490	250.263	ug/l	100
17) Carbon Disulfide	2.57	76	520773	44.499	ug/l	100
18) Methyl Acetate	2.78	43	362748	60.627	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	730195	50.086	ug/l	96
20) Methylene Chloride	2.85	84	233833	49.957	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	218121	45.501	ug/l	97
22) Diisopropyl ether	3.87	45	680926	50.487	ug/l	98
23) Vinyl Acetate	3.82	43	2873062	256.705	ug/l	99
24) 1,1-Dichloroethane	3.70	63	381805	49.294	ug/l	99
25) 2-Butanone	4.70	43	862405	264.448	ug/l	98
26) 2,2-Dichloropropane	4.58	77	270793	45.908	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	252346	48.195	ug/l	98
28) Bromochloromethane	5.02	49	176911	49.668	ug/l	98
29) Tetrahydrofuran	5.15	42	559833	272.950	ug/l	99
30) Chloroform	5.21	83	402684	49.823	ug/l	98
31) Cyclohexane	5.57	56	317348	45.619	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	348044	51.016	ug/l	99
36) 1,1-Dichloropropene	5.80	75	282346	43.886	ug/l	100
37) Ethyl Acetate	4.85	43	322099	49.526	ug/l	99
38) Carbon Tetrachloride	5.79	117	303972	48.701	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	338193	43.447	ug/l	99
40) Benzene	6.14	78	888182	46.866	ug/l	99
41) Methacrylonitrile	5.06	41	180035	51.651	ug/l	99
42) 1,2-Dichloroethane	6.20	62	303827	46.335	ug/l	98
43) Isopropyl Acetate	6.46	43	517097	51.512	ug/l	99
44) Trichloroethene	7.21	130	260147	45.578	ug/l	99
45) 1,2-Dichloropropane	7.52	63	225774	47.548	ug/l	94
46) Dibromomethane	7.66	93	159724	46.282	ug/l	100
47) Bromodichloromethane	7.90	83	292872	50.073	ug/l	99
48) Methyl methacrylate	7.77	41	261415	52.063	ug/l	99
49) 1,4-Dioxane	7.75	88	104804	918.365	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1696033	256.651	ug/l	100
52) Toluene	8.79	92	565463	46.246	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	321092	51.108	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	351864	50.929	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	245145	48.097	ug/l	98
56) Ethyl methacrylate	9.18	69	357156	50.594	ug/l	99
57) 1,3-Dichloropropane	9.37	76	383860	47.358	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	900583	242.041	ug/l	99
59) 2-Hexanone	9.49	43	1280926	249.092	ug/l	99
60) Dibromochloromethane	9.58	129	257771	53.475	ug/l	99
61) 1,2-Dibromoethane	9.67	107	262169	48.571	ug/l	99
64) Tetrachloroethene	9.34	164	256127	42.058	ug/l	97
65) Chlorobenzene	10.14	112	657498	46.632	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	244381	51.697	ug/l	99
67) Ethyl Benzene	10.25	91	1084020	47.742	ug/l	98
68) m/p-Xylenes	10.36	106	843514	93.455	ug/l	99
69) o-Xylene	10.69	106	416478	47.953	ug/l	100
70) Styrene	10.71	104	681297	48.369	ug/l	99
71) Bromoform	10.86	173	197813	47.895	ug/l	100
73) Isopropylbenzene	11.02	105	1104056	50.563	ug/l	99
74) N-amyl acetate	10.90	43	450793	53.376	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	359209	53.980	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	338717m	54.195	ug/l	
77) Bromobenzene	11.26	156	302010	49.090	ug/l	99
78) n-propylbenzene	11.36	91	1233465	51.515	ug/l	100
79) 2-Chlorotoluene	11.42	91	720028	49.560	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	888462	49.735	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	103822	51.231	ug/l	93
82) 4-Chlorotoluene	11.51	91	818531	48.690	ug/l	99
83) tert-Butylbenzene	11.77	119	892203	50.446	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	918786	50.661	ug/l	100
85) sec-Butylbenzene	11.94	105	1084809	50.678	ug/l	100
86) p-Isopropyltoluene	12.06	119	963503	49.863	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	524111	47.469	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	515745	46.042	ug/l	99
89) n-Butylbenzene	12.38	91	816566	49.124	ug/l	100
90) Hexachloroethane	12.60	117	164087	56.739	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	521896	47.497	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	76474	55.269	ug/l	98

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ClientSampleId :
VSTDCCC050EC

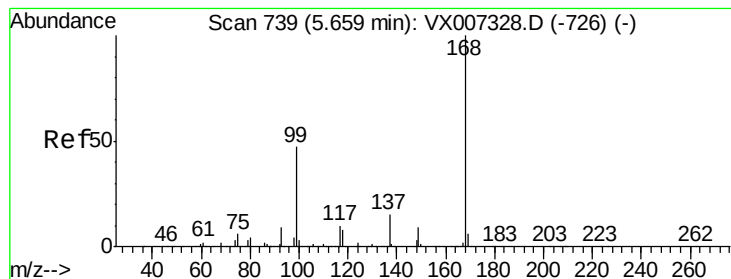
Manual Integrations
APPROVED

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QLast Update : Sat Feb 02 01:32:36 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	357863	48.293	ug/l	100
94) Hexachlorobutadiene	13.78	225	169340	47.063	ug/l	100
95) Naphthalene	13.83	128	1143648	52.776	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	358327	48.039	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 471311

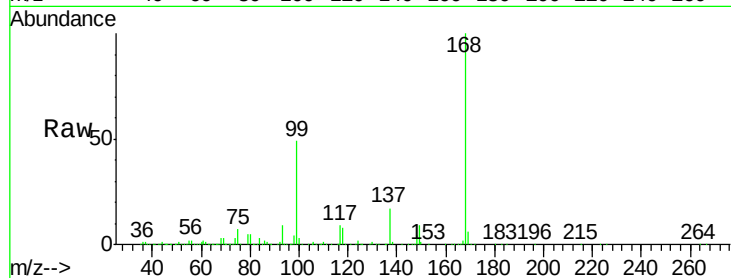
Ion Ratio Lower Upper

168 100

99 48.7 37.9 56.9

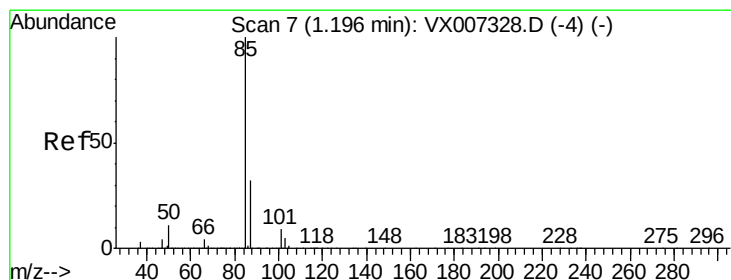
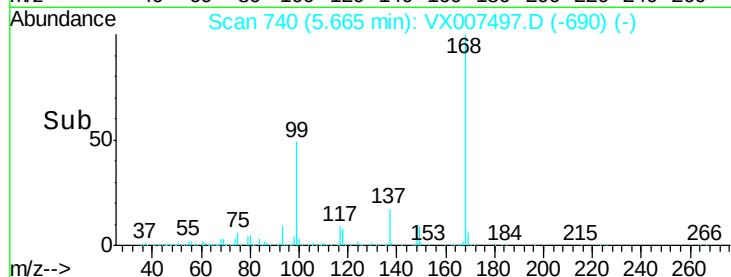
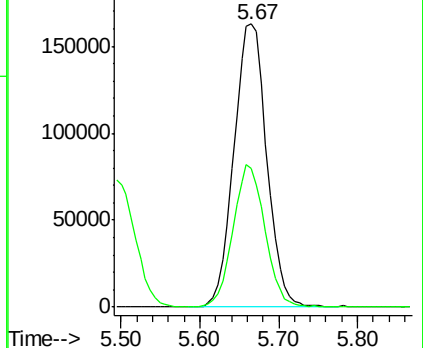
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 43.952 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007497.D

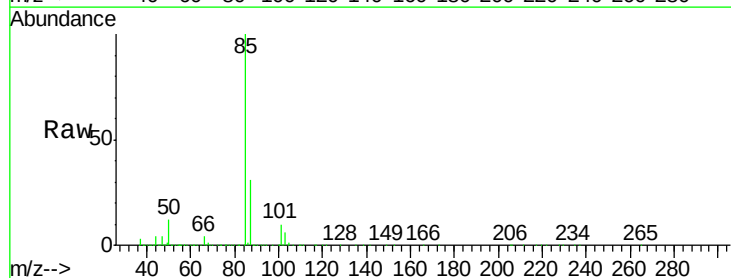
Acq: 12 Feb 2019 19:03

Tgt Ion: 85 Resp: 254432

Ion Ratio Lower Upper

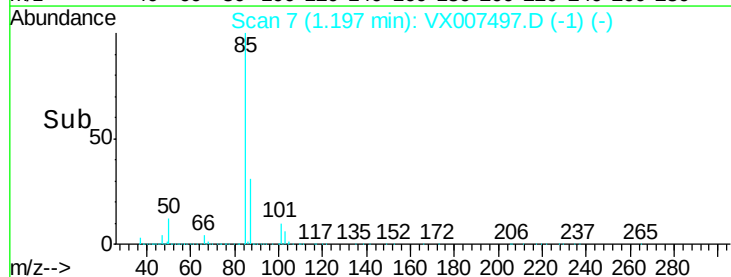
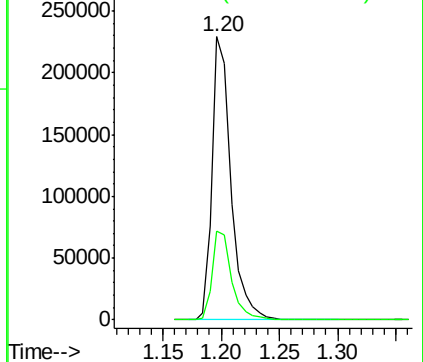
85 100

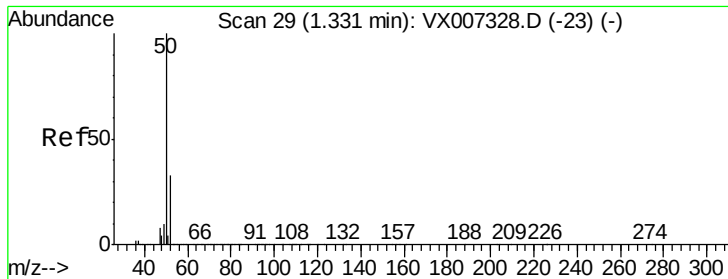
87 31.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





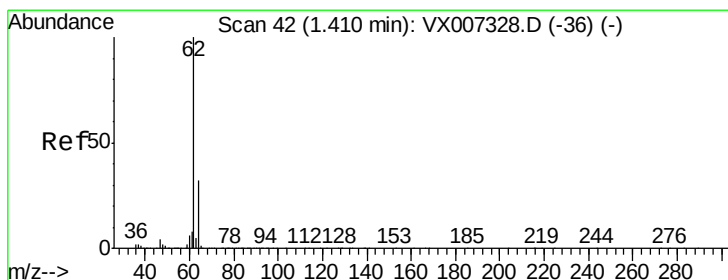
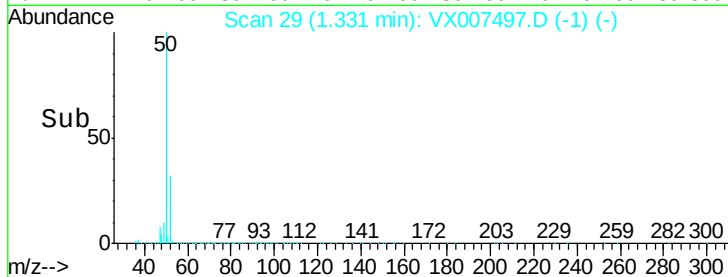
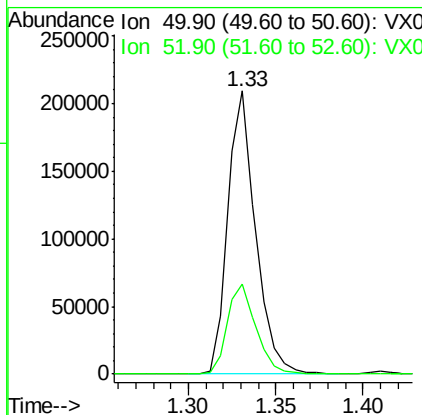
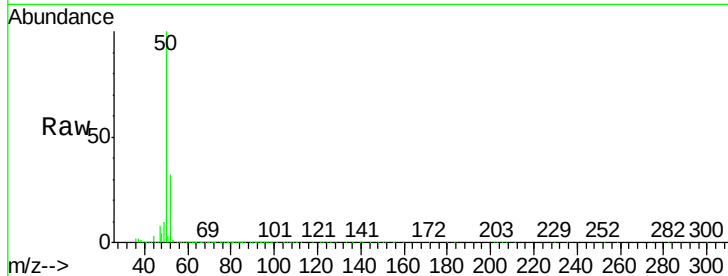
#3
Chloromethane
Concen: 43.347 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.1	39.1

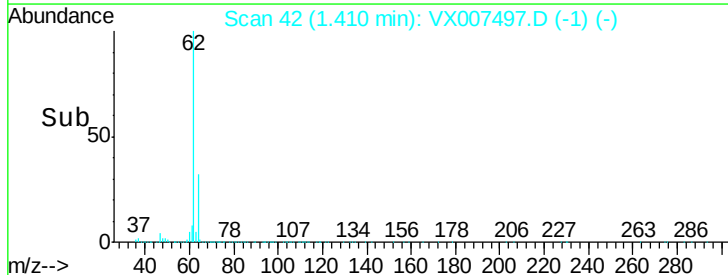
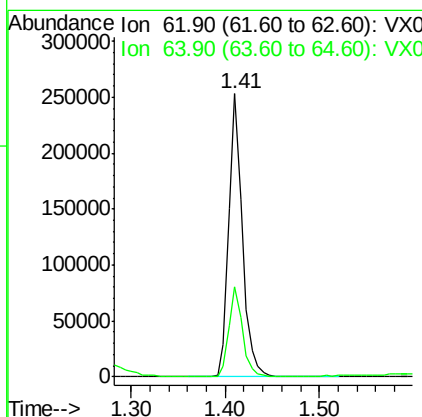
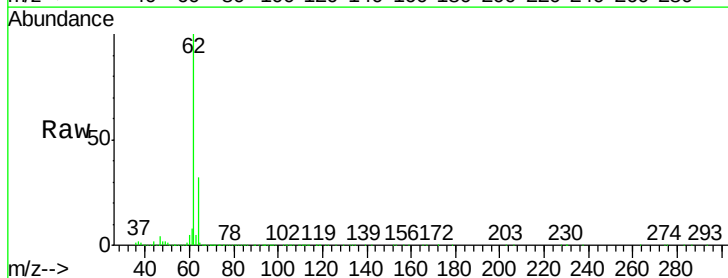
Manual Integrations
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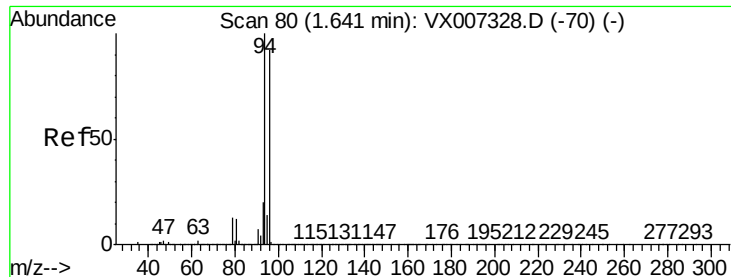
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2/13/2019 12:14:39 PM



#4
Vinyl Chloride
Concen: 48.784 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.4	38.0





#5

Bromomethane

Concen: 40.948 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 211321

Ion Ratio Lower Upper

94 100

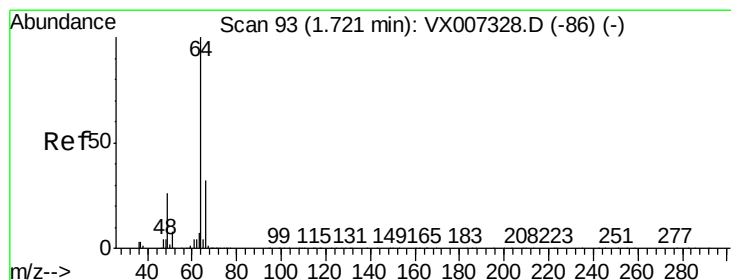
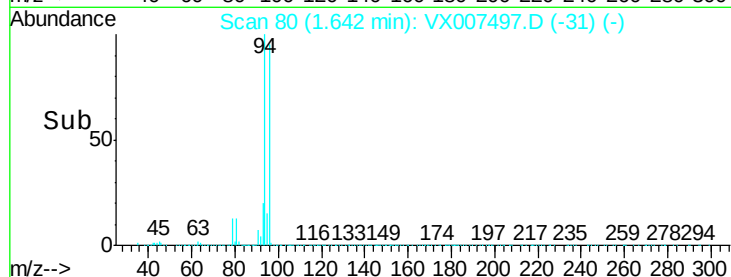
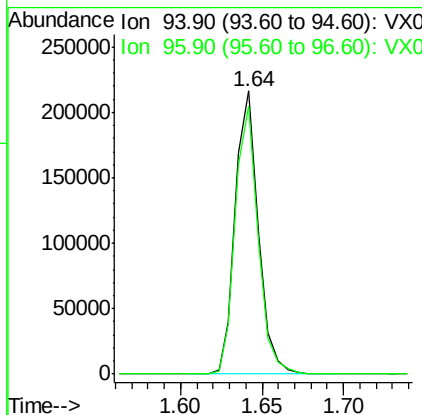
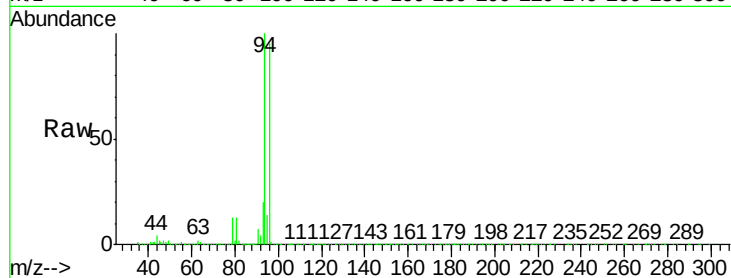
96 94.7 73.9 110.9

Manual Integrations

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2/13/2019 12:14:39 PM



#6

Chloroethane

Concen: 47.479 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007497.D

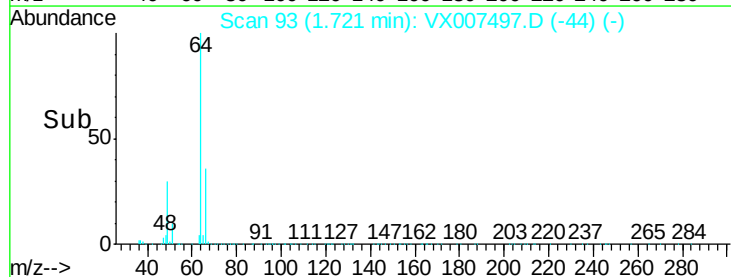
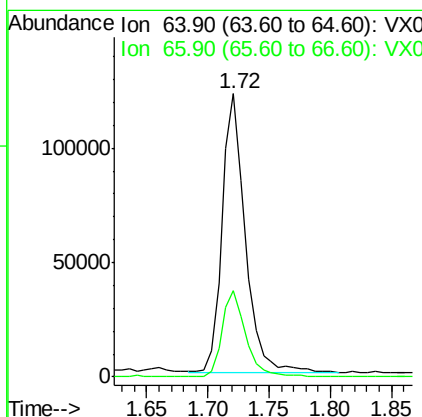
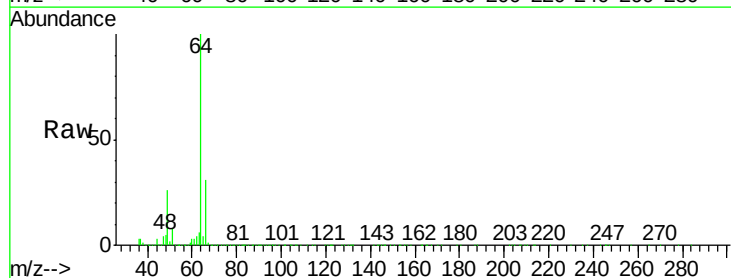
Acq: 12 Feb 2019 19:03

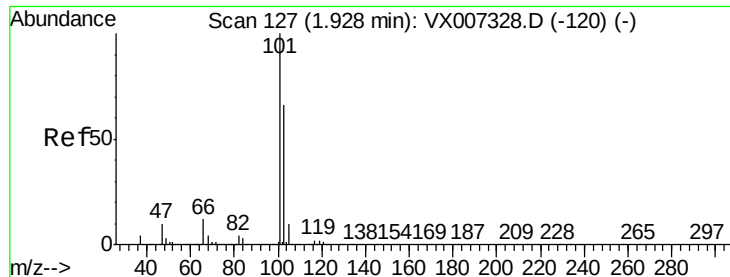
Tgt Ion: 64 Resp: 159957

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3





#7

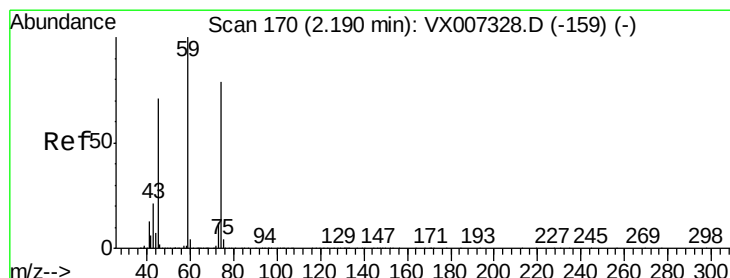
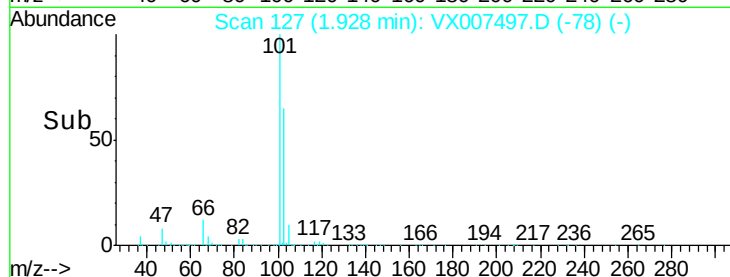
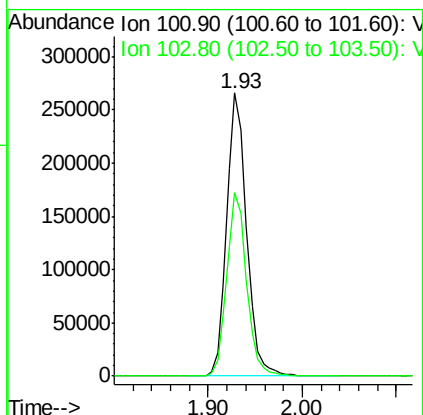
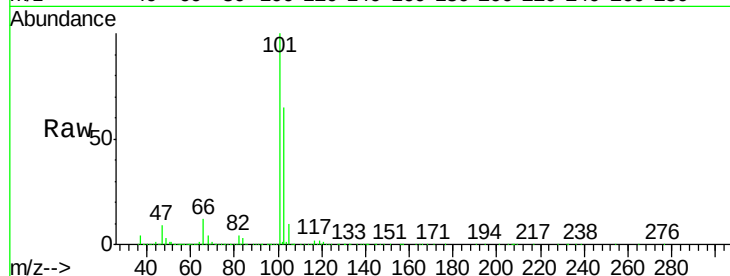
Trichlorofluoromethane
Concen: 47.885 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.6	79.0

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APPROVED

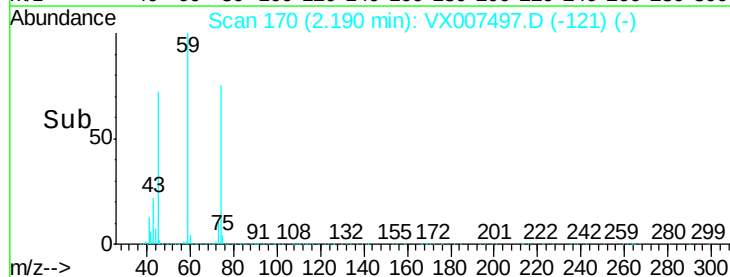
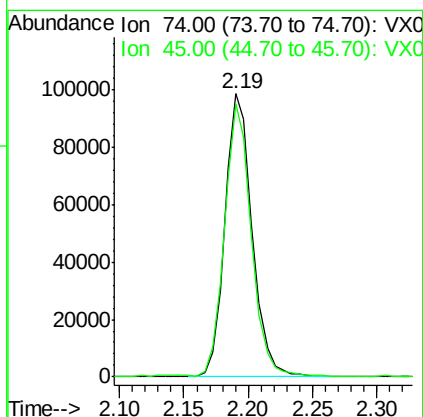
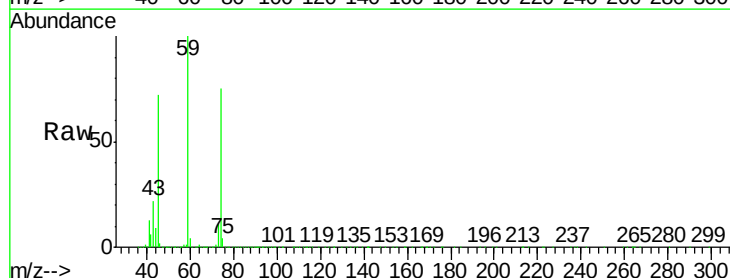
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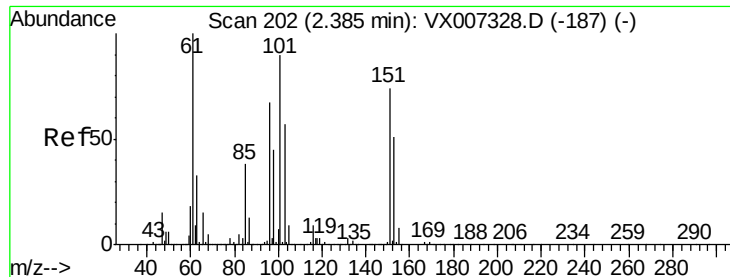


#8

Diethyl Ether
Concen: 47.487 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.527 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

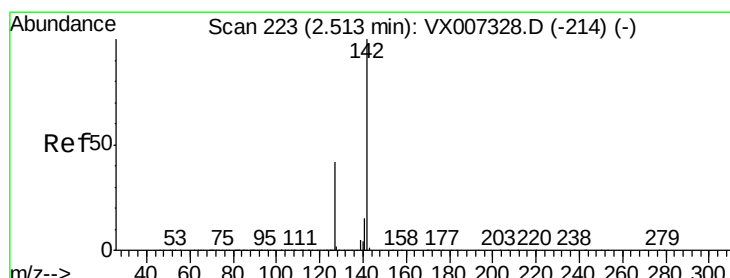
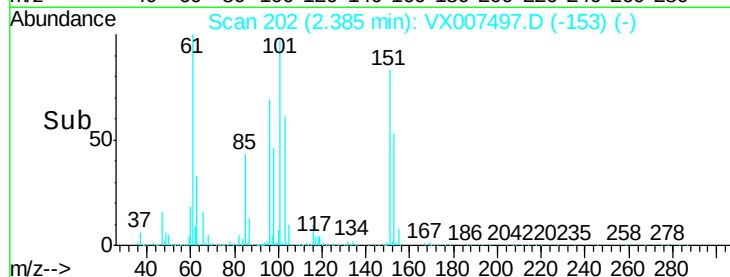
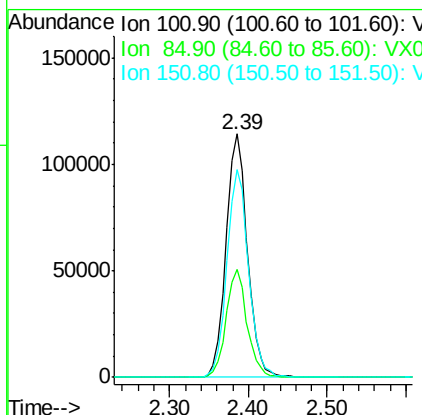
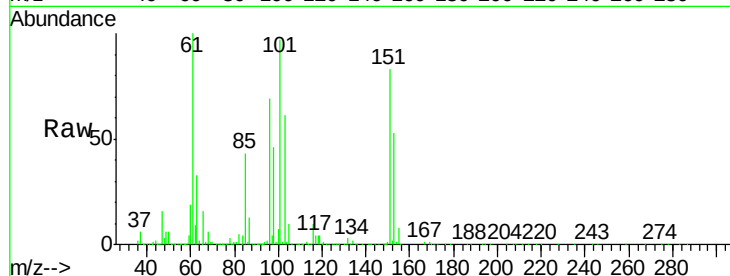
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	215784
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.1	51.1
151	86.4	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 42.804 ug/l

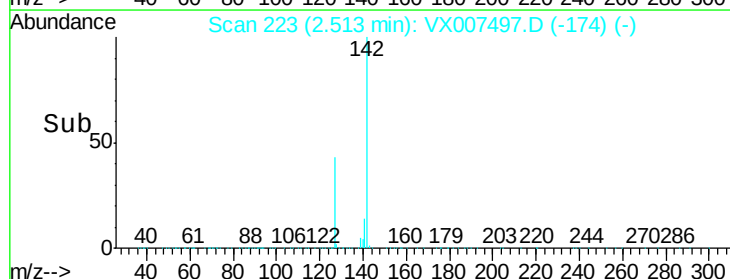
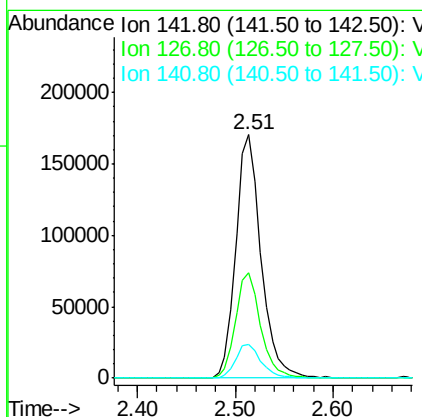
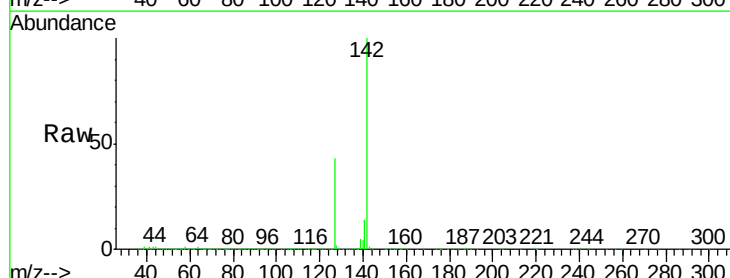
RT: 2.51 min Scan# 223

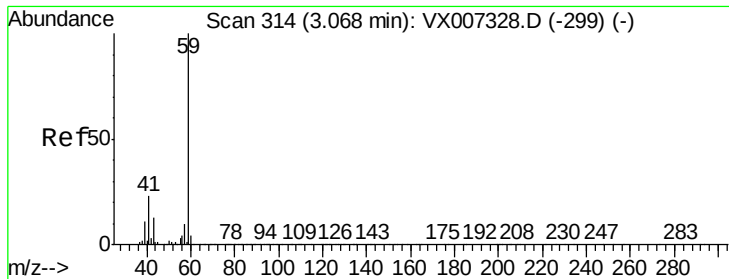
Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion:	142	Resp:	305147
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.7	50.5
141	14.2	11.3	16.9





#11

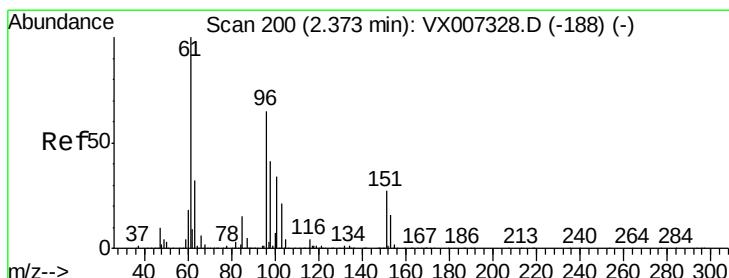
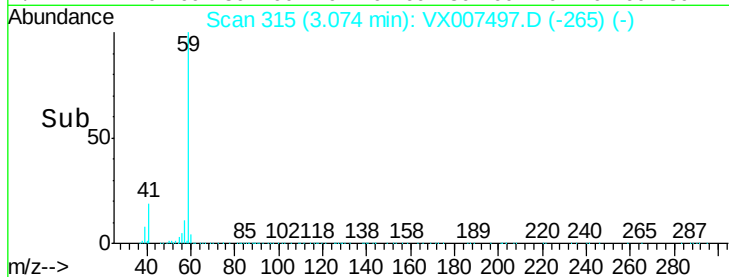
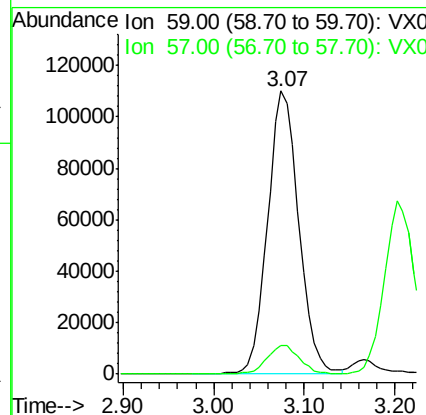
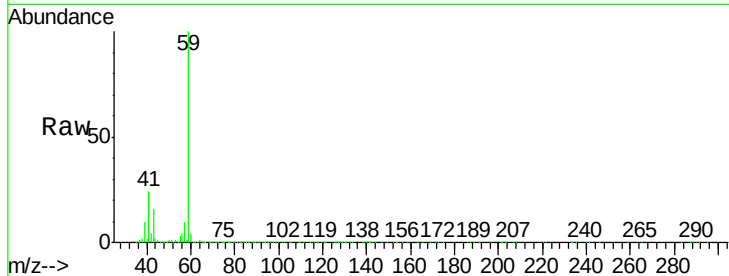
Tert butyl alcohol
Concen: 252.823 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

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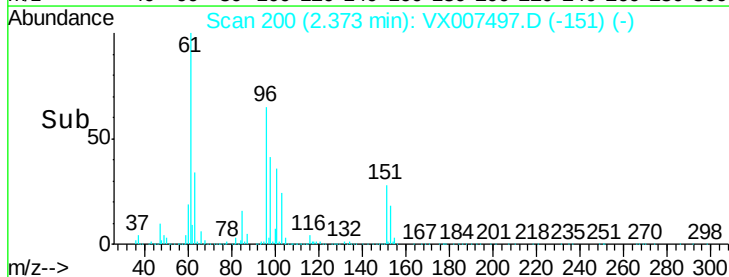
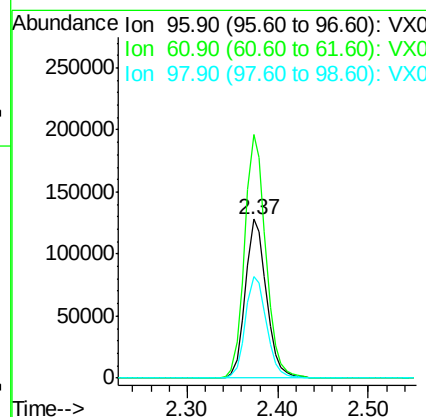
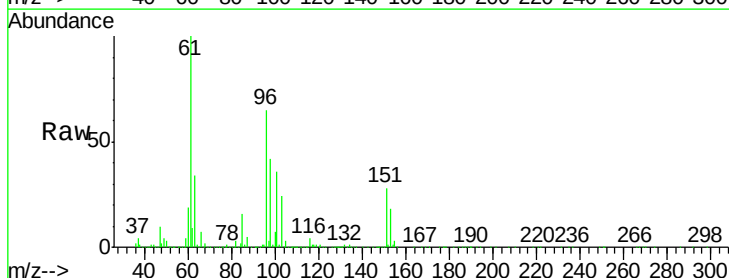
MMDadoda
2/13/2019 12:14:39 PM

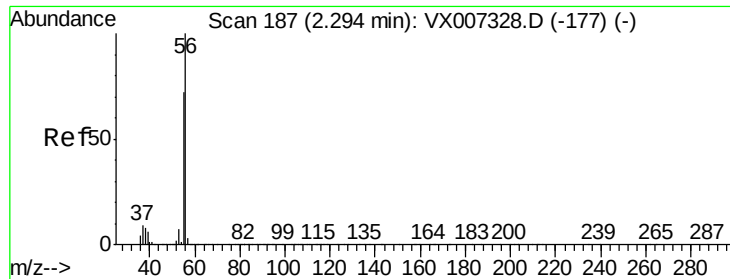


#12

1,1-Dichloroethene
Concen: 46.065 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	123.0	184.4
98	63.5	50.9	76.3





#13

Acrolein

Concen: 228.675 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 111016

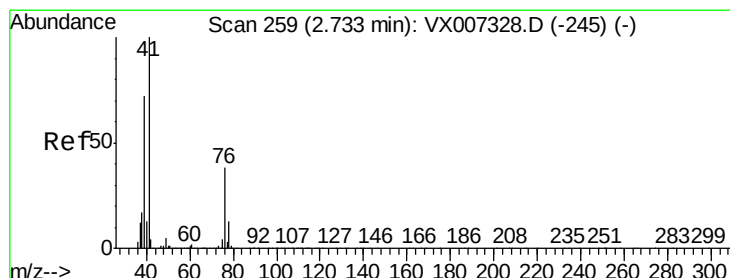
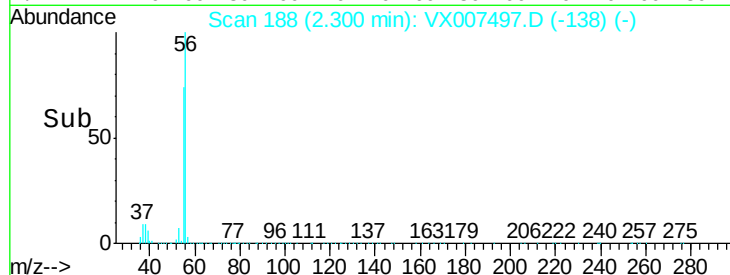
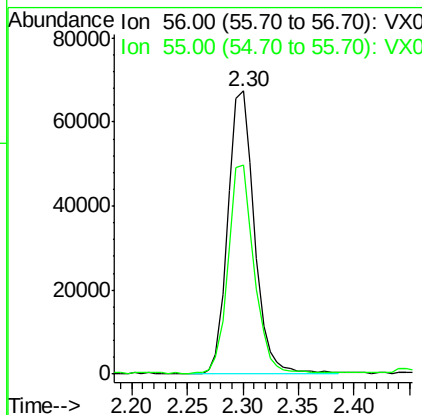
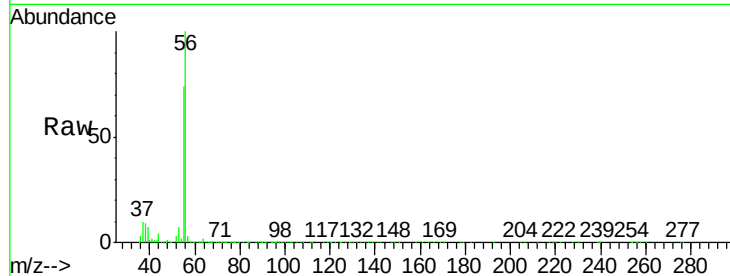
Ion Ratio Lower Upper

56 100

55 71.8 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 50.166 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

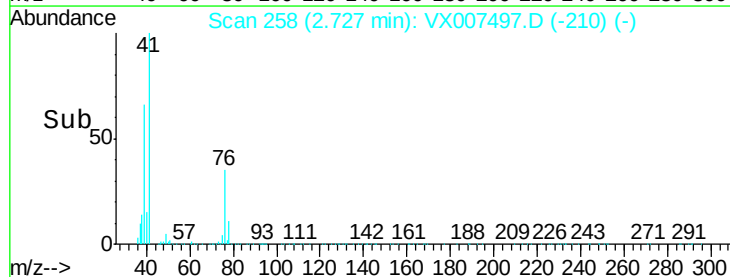
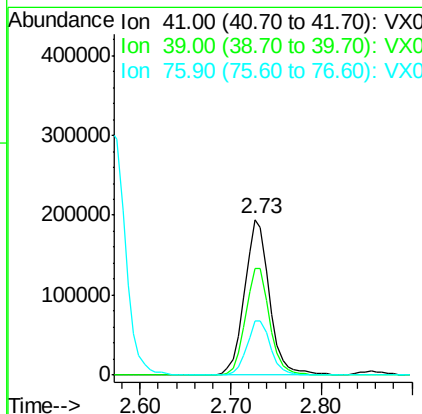
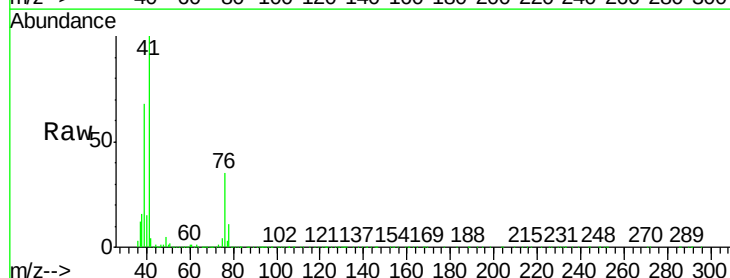
Tgt Ion: 41 Resp: 367830

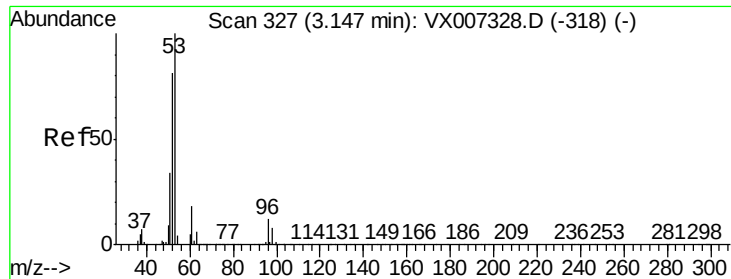
Ion Ratio Lower Upper

41 100

39 66.7 54.1 81.1

76 33.1 27.8 41.8





#15

Acrylonitrile

Concen: 260.867 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

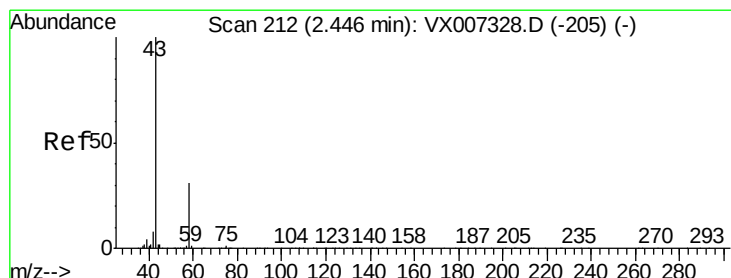
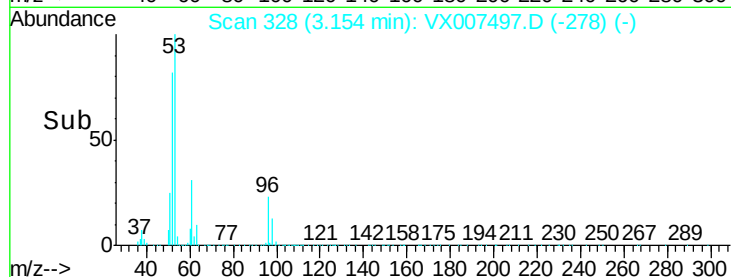
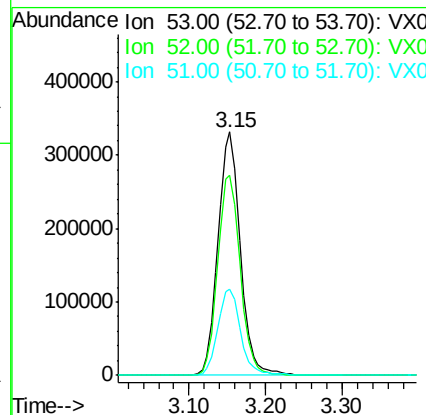
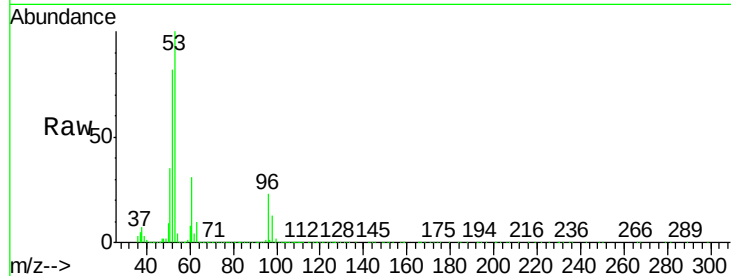
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	668104
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.1	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 250.263 ug/l

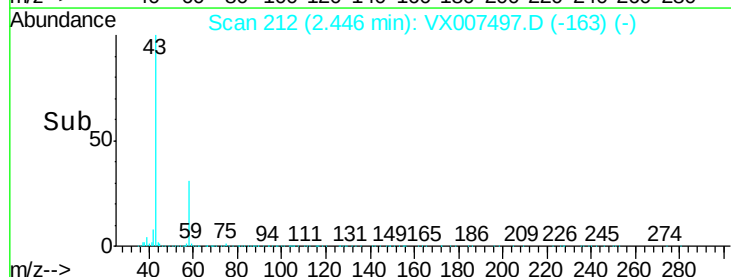
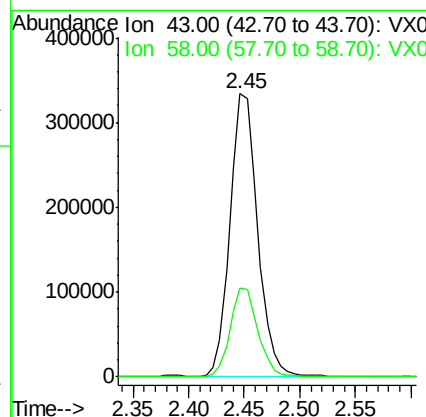
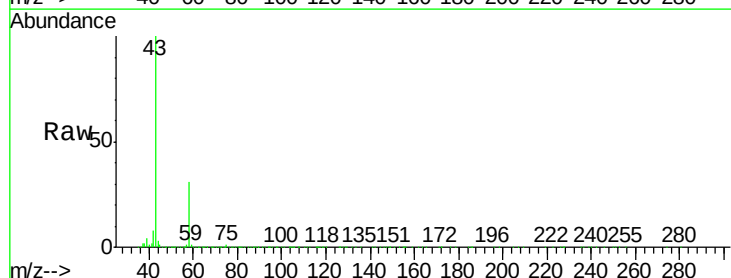
RT: 2.45 min Scan# 212

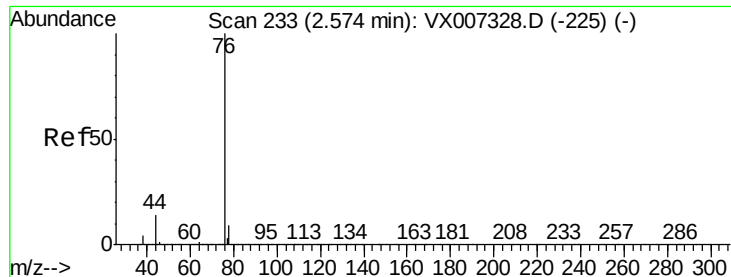
Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion:	43	Resp:	573490
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.9	37.3





#17

Carbon Disulfide

Concen: 44.499 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 520773

Ion Ratio Lower Upper

76 100

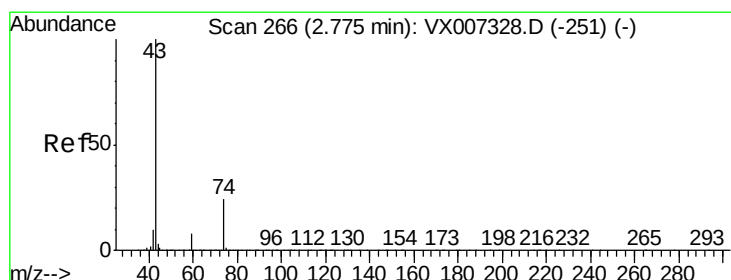
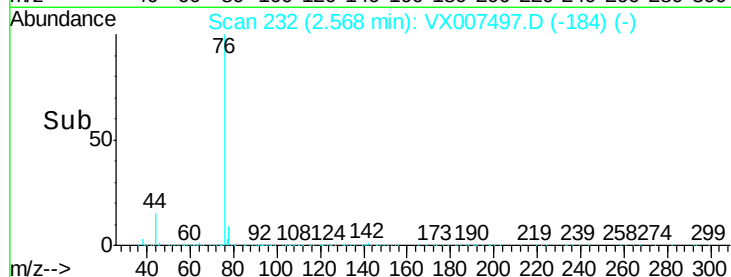
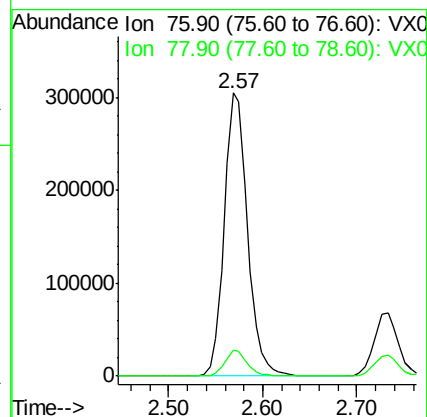
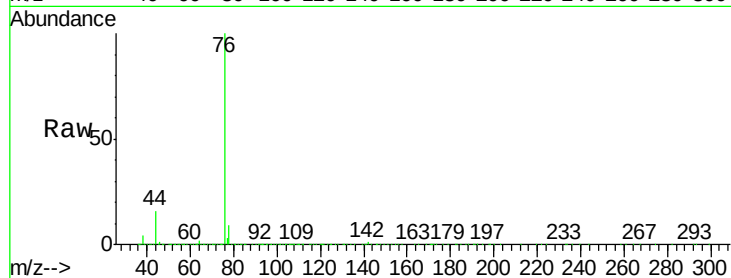
78 9.1 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 60.627 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007497.D

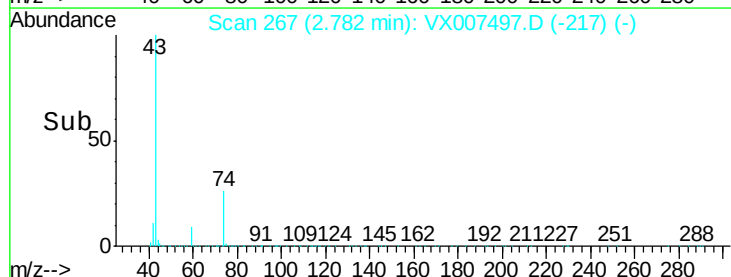
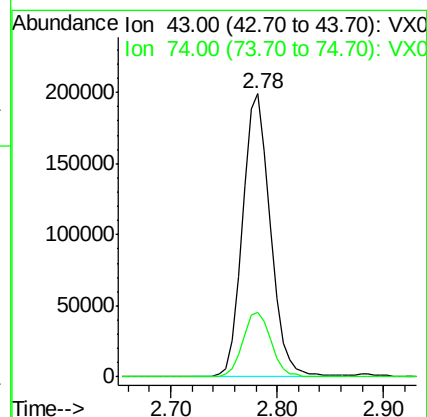
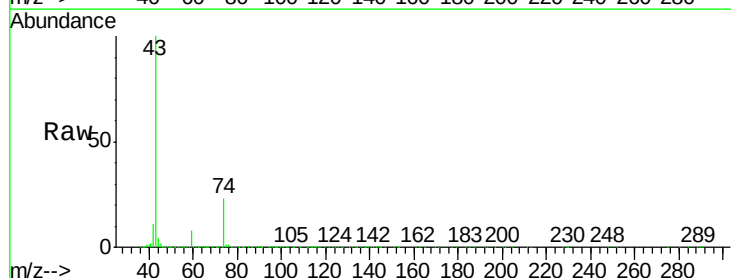
Acq: 12 Feb 2019 19:03

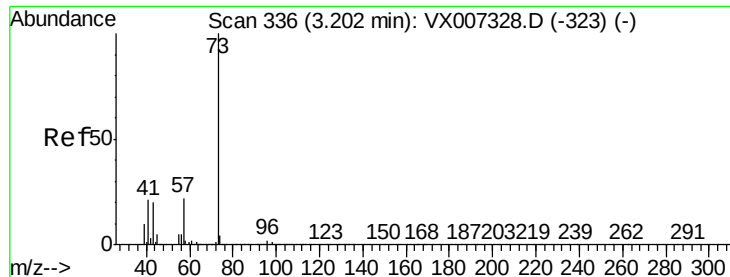
Tgt Ion: 43 Resp: 362748

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2





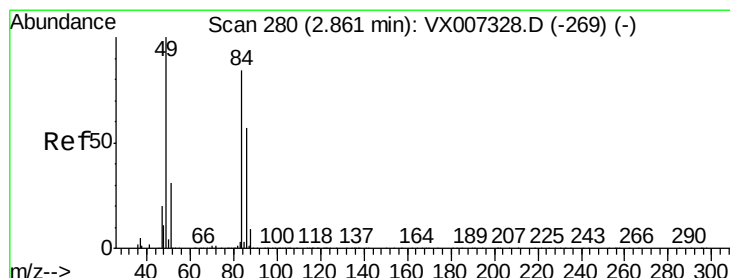
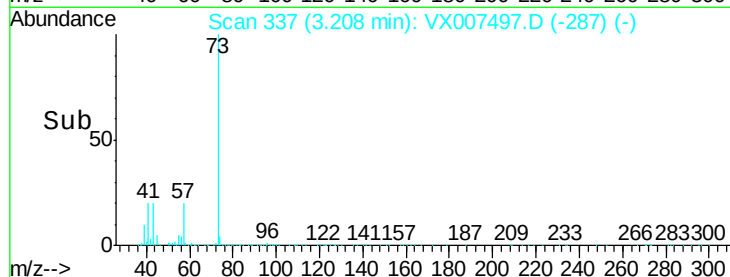
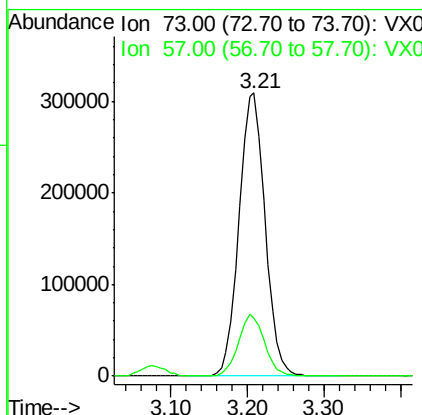
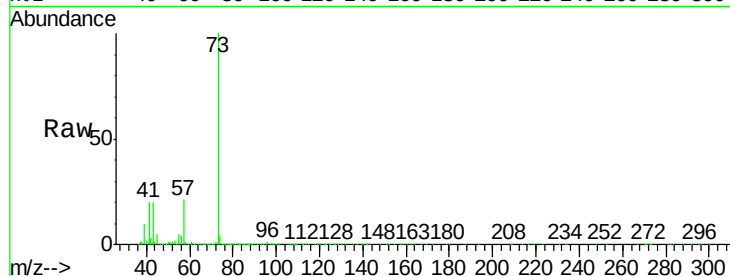
#19
Methyl tert-butyl Ether
Concen: 50.086 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.8	26.8

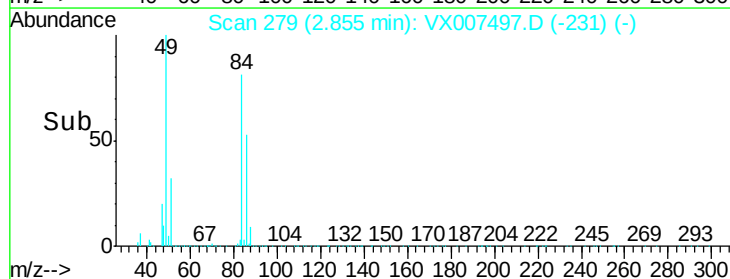
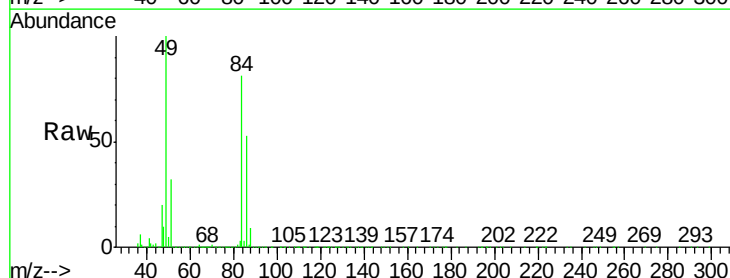
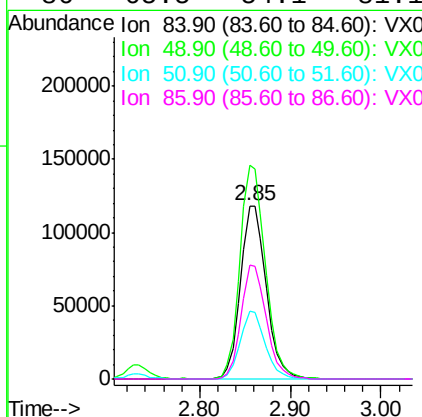
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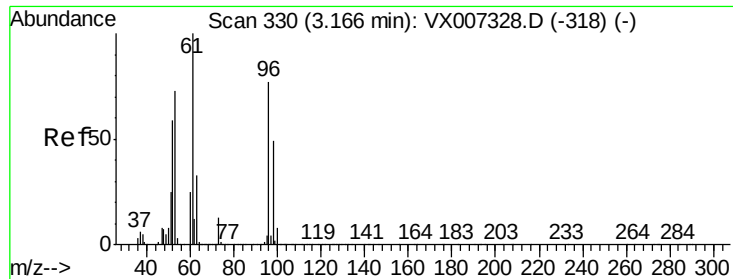
MMDadoda
2/13/2019 12:14:39 PM



#20
Methylene Chloride
Concen: 49.957 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	94.8	142.2
51	39.0	29.8	44.8
86	65.5	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 45.501 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

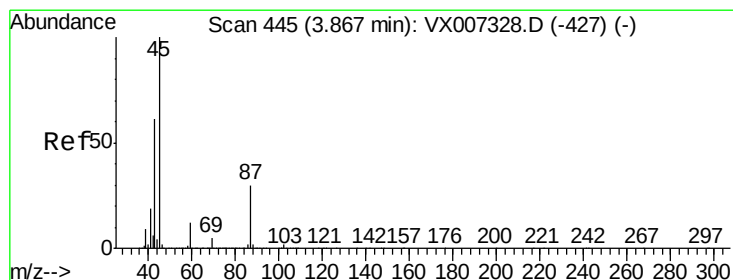
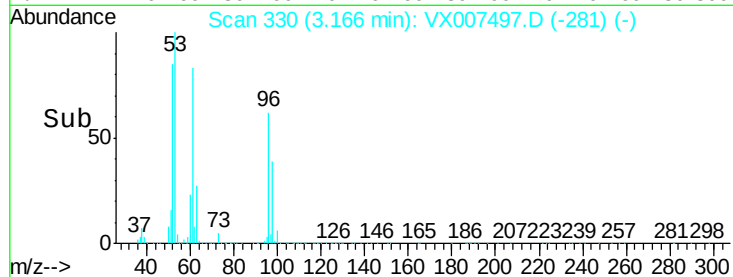
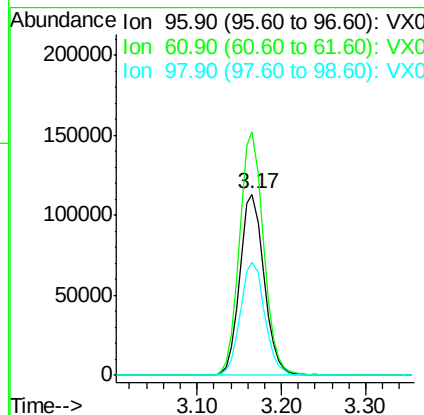
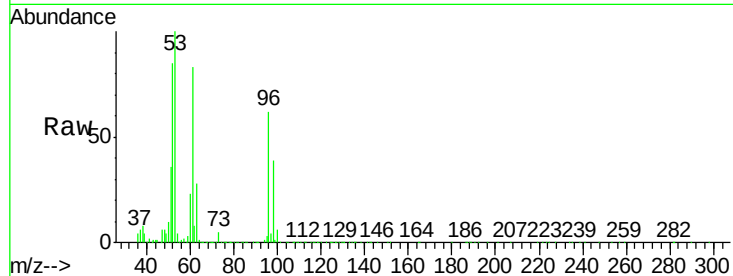
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	218121
Ion Ratio	Lower	Upper	
96	100		
61	134.3	104.6	156.8
98	62.5	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.487 ug/l

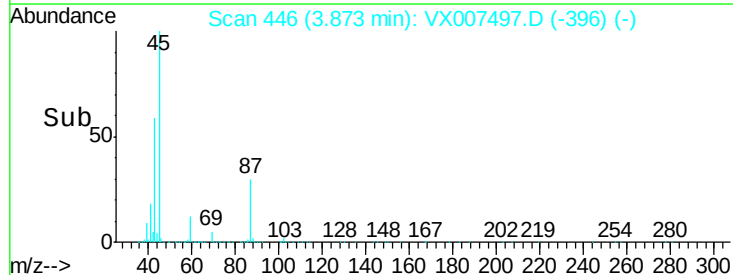
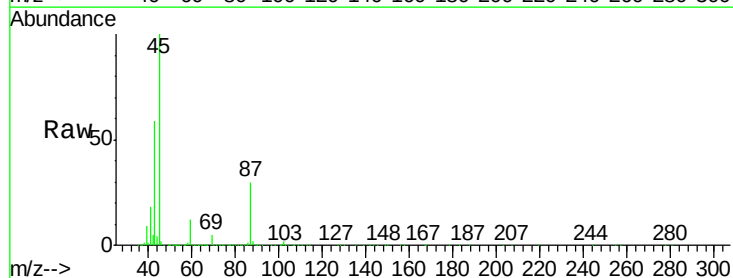
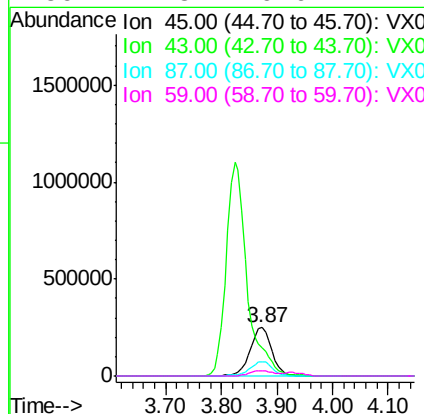
RT: 3.87 min Scan# 446

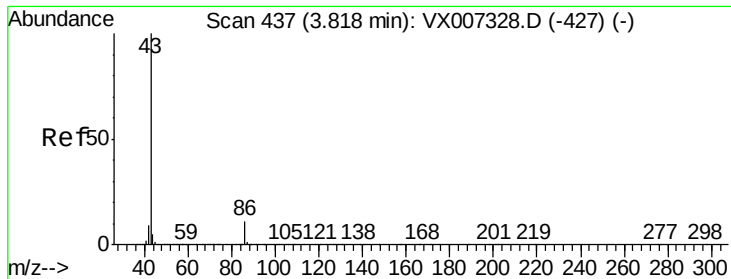
Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion:	45	Resp:	680926
Ion Ratio	Lower	Upper	
45	100		
43	59.2	48.9	73.3
87	30.2	23.9	35.9
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 256.705 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tot Ion: 43 Resp: 2873062

Ion Ratio Lower Upper

43 100

86 11.3 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

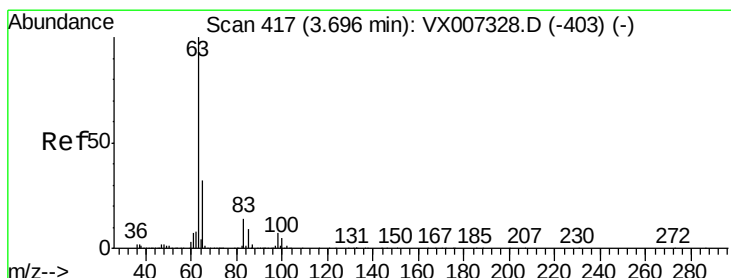
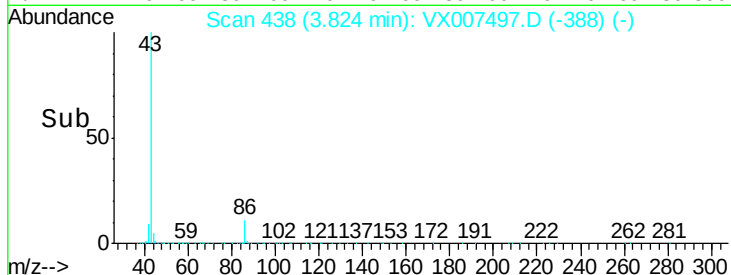
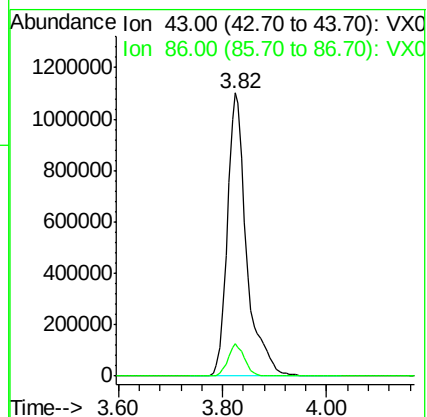
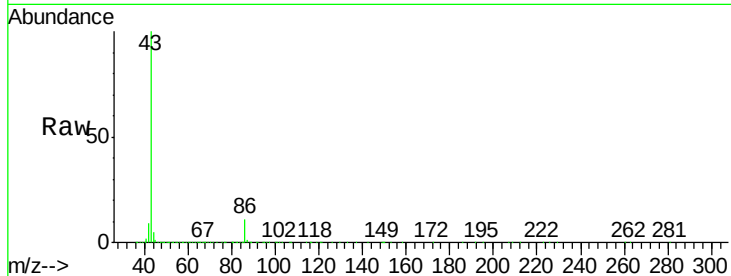
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.294 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

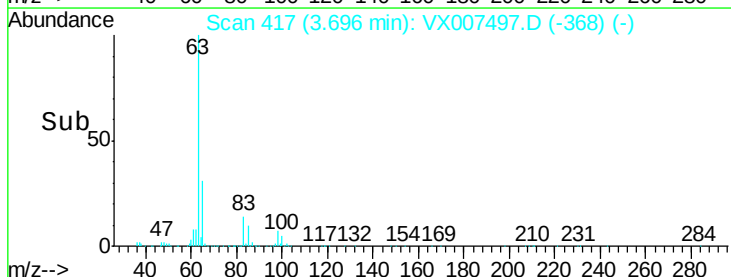
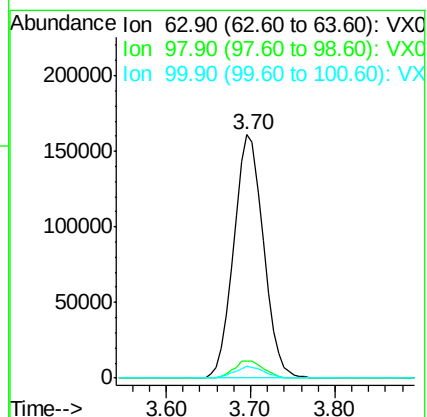
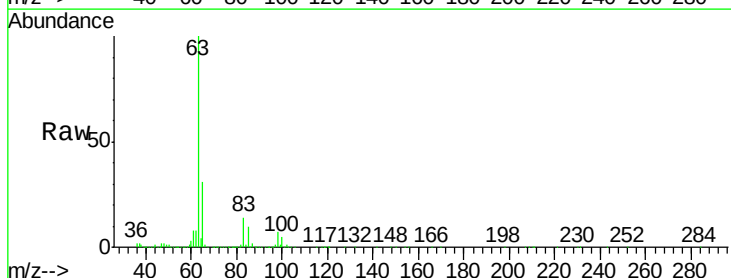
Tgt Ion: 63 Resp: 381805

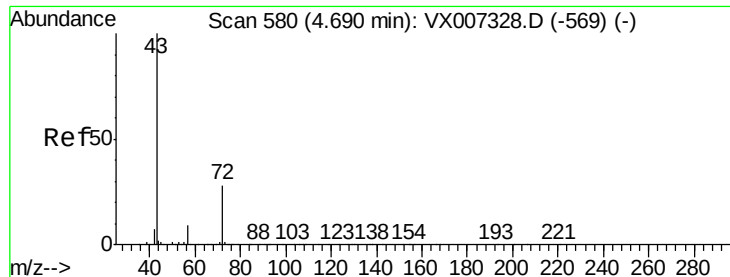
Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.8

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 264.448 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 862405

Ion Ratio Lower Upper

43 100

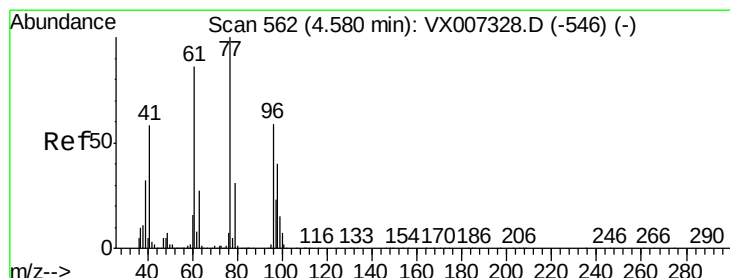
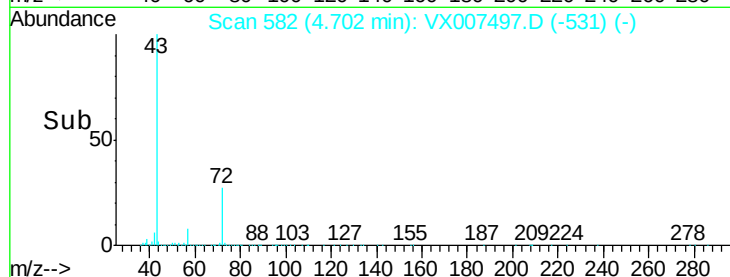
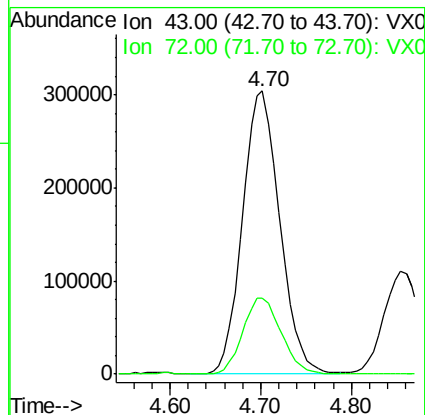
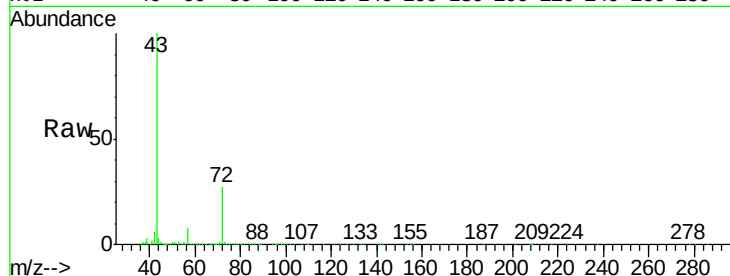
72 26.7 22.2 33.2

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 45.908 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007497.D

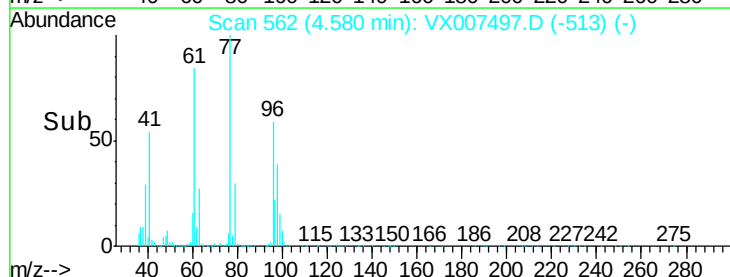
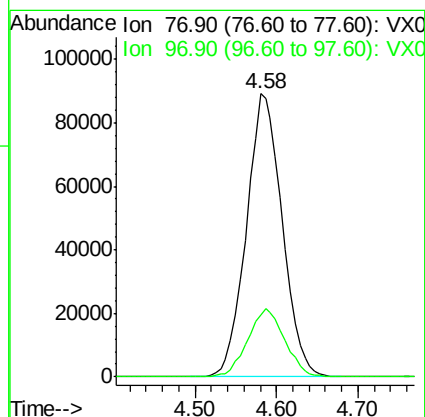
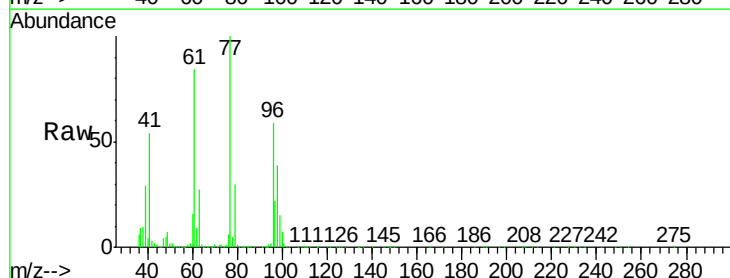
Acq: 12 Feb 2019 19:03

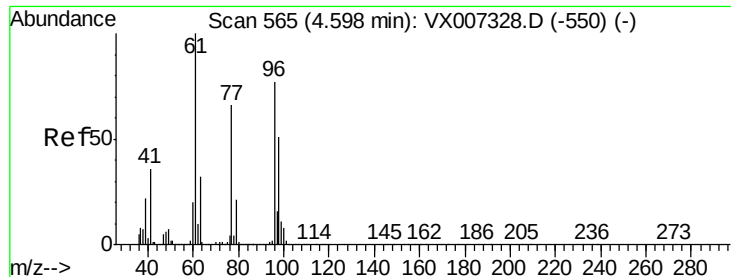
Tgt Ion: 77 Resp: 270793

Ion Ratio Lower Upper

77 100

97 25.2 12.1 36.3





#27

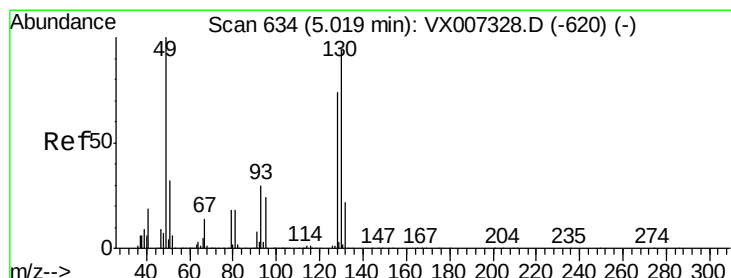
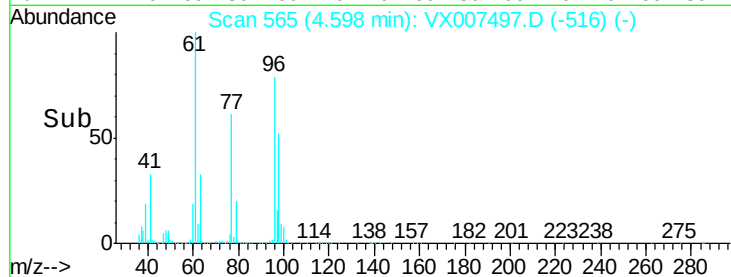
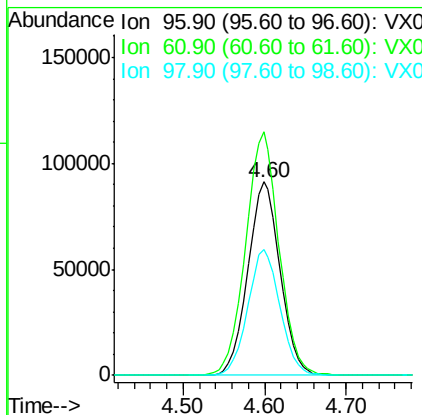
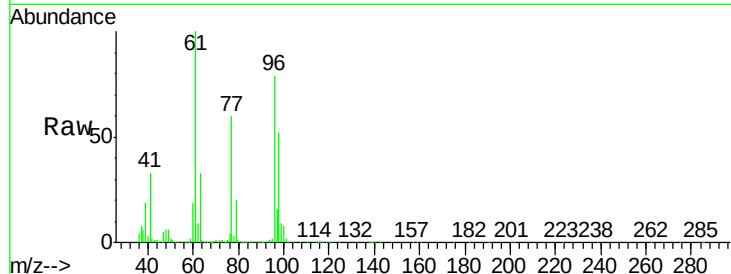
cis-1,2-Dichloroethene
Concen: 48.195 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	252346		
61	129.1	0.0	265.6	
98	65.0	0.0	131.6	

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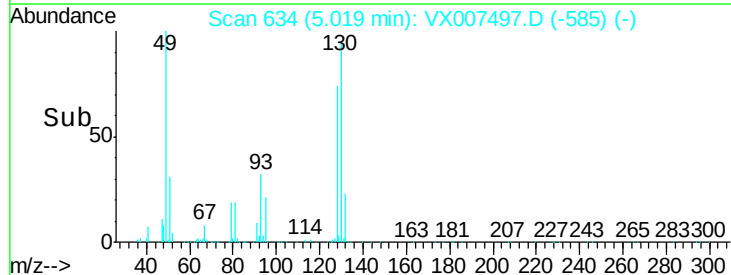
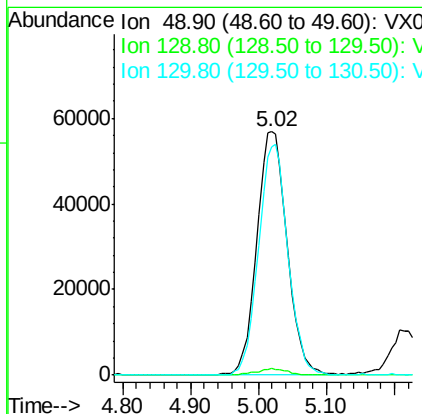
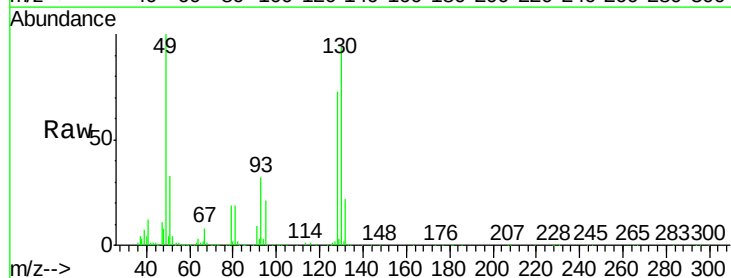
MMDadoda
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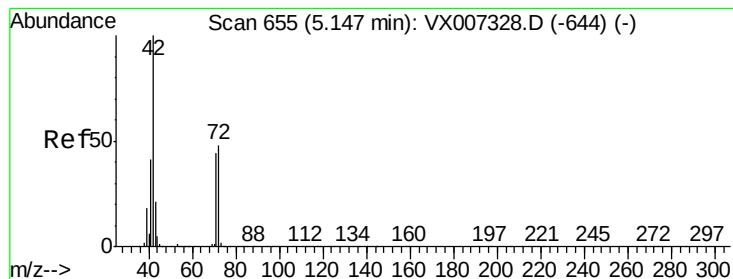


#28

Bromochloromethane
Concen: 49.668 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	176911		
129	2.7	0.0	5.6	
130	92.0	75.6	113.4	





#29

Tetrahydrofuran

Concen: 272.950 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

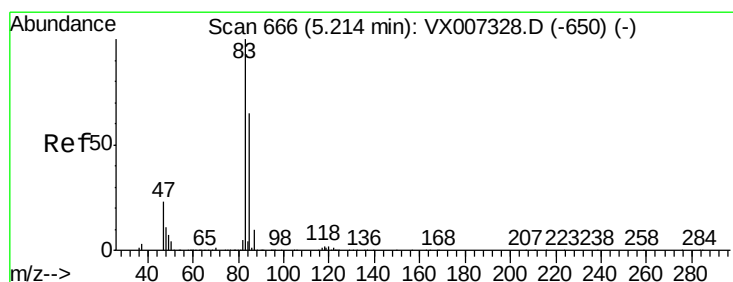
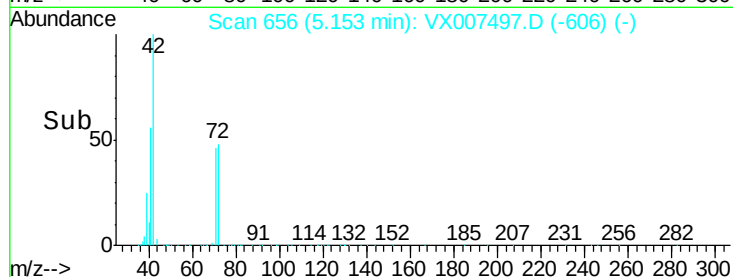
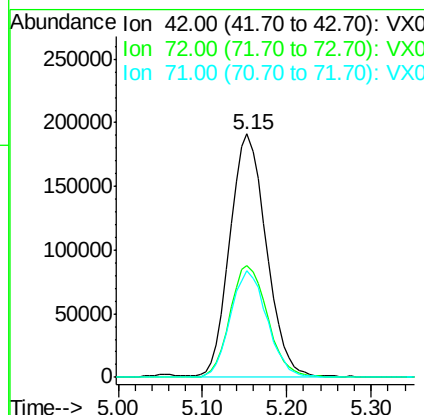
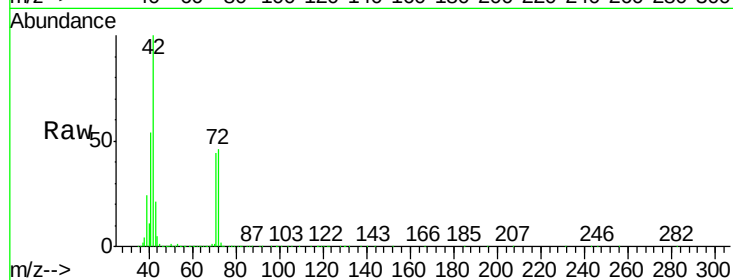
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
72	47.1		37.6	56.4	
71	44.3		34.6	51.8	

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#30

Chloroform

Concen: 49.823 ug/l

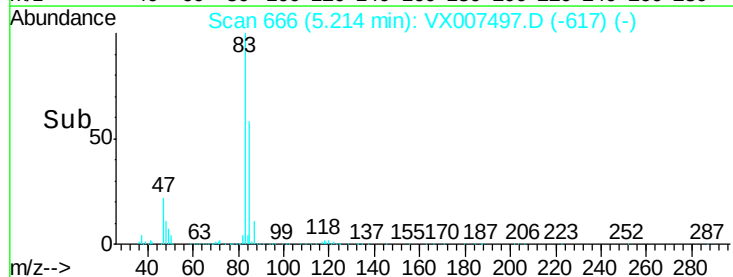
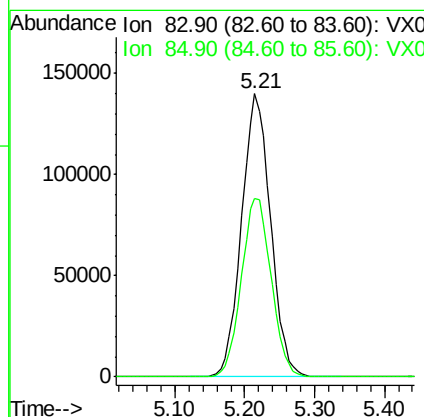
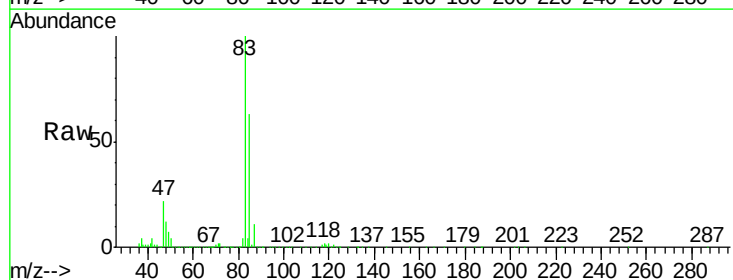
RT: 5.21 min Scan# 666

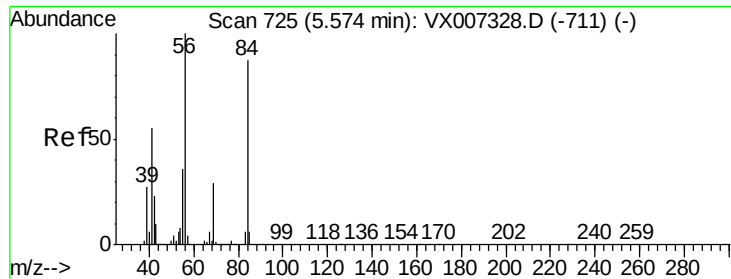
Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
85	63.0		51.6	77.4	





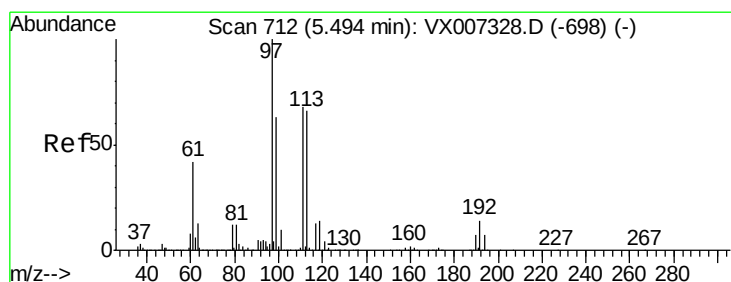
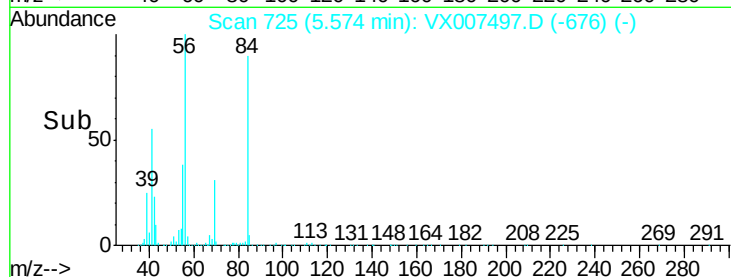
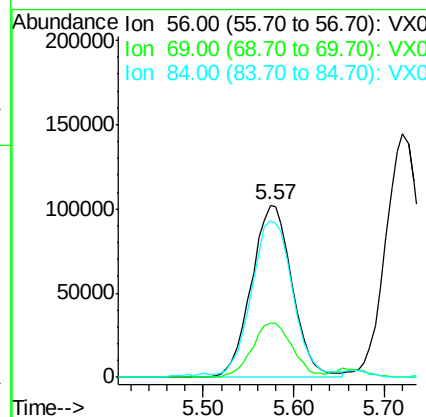
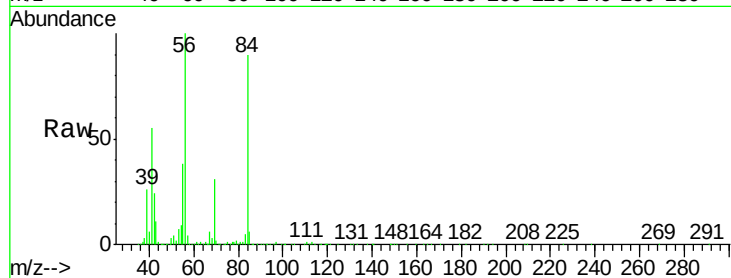
#31
Cyclohexane
Concen: 45.619 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.0	34.6
84	89.3	69.8	104.6

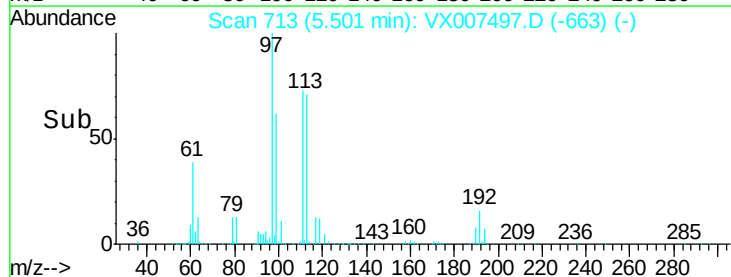
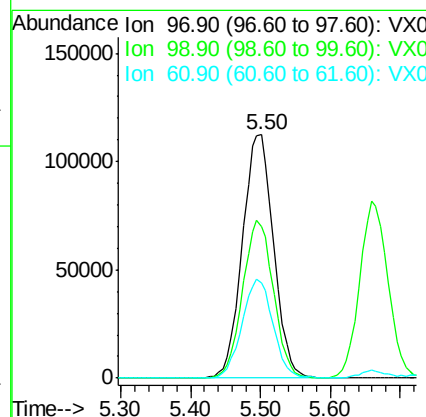
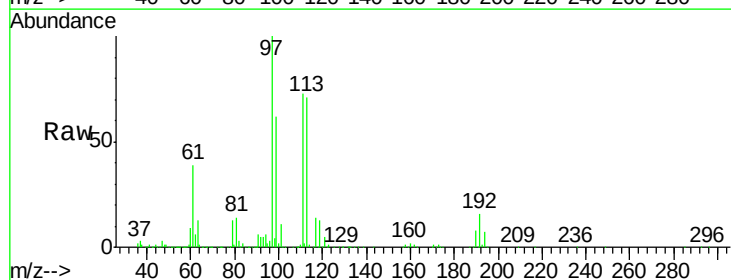
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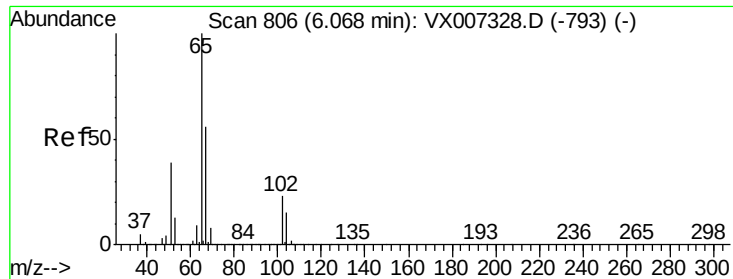
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#32
1,1,1-Trichloroethane
Concen: 51.016 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.2	78.2
61	40.2	32.7	49.1





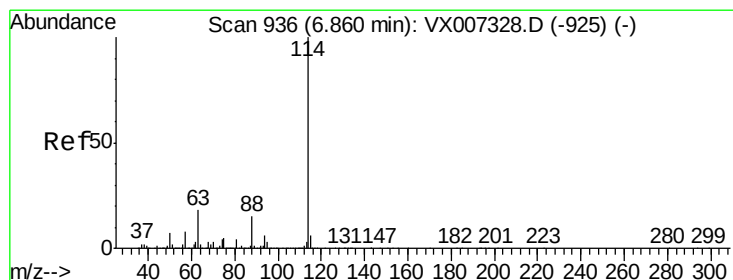
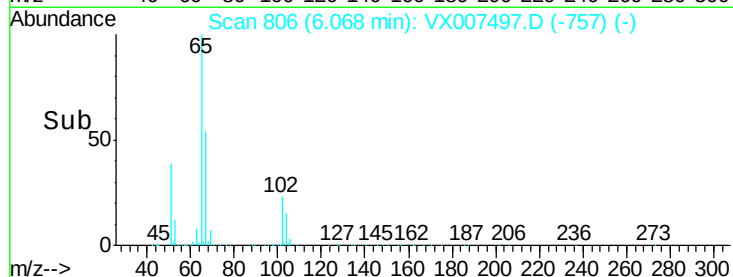
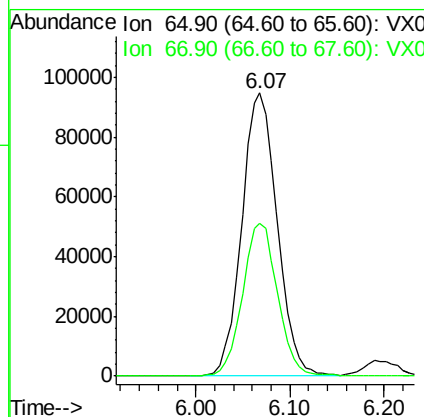
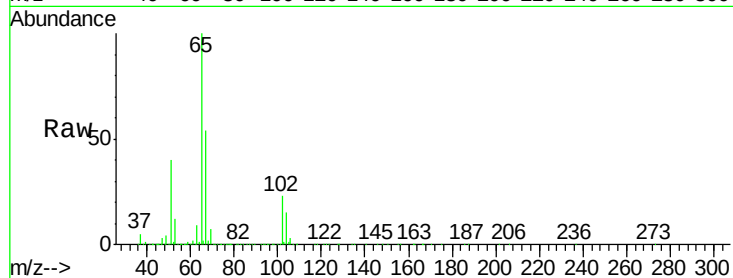
#33
 1,2-Dichloroethane-d4
 Concen: 49.684 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	248550		
67	53.6	0.0	108.8	

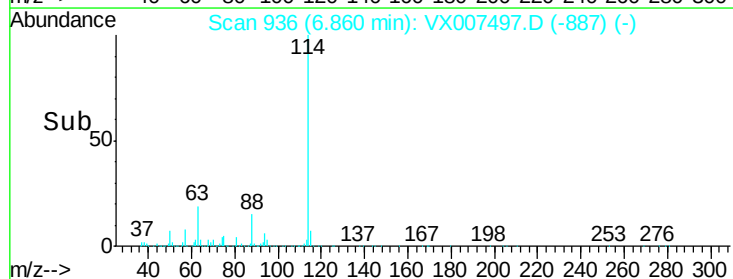
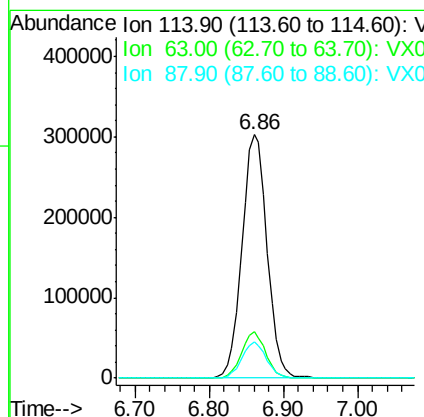
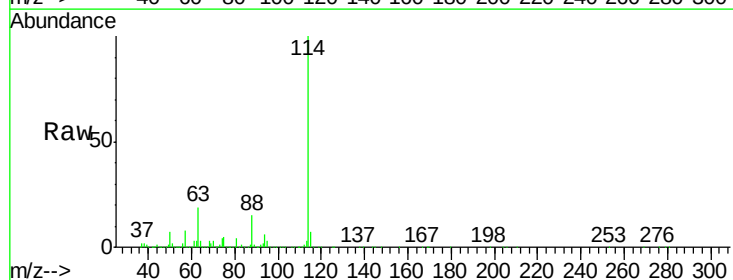
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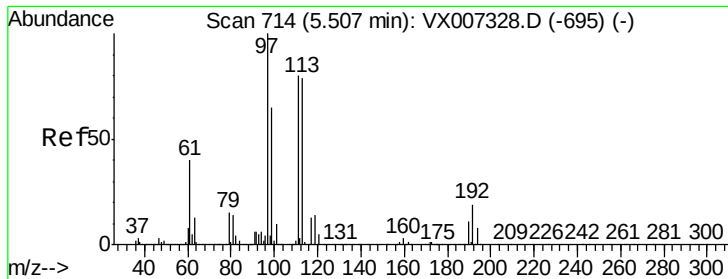
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	717046		
63	19.2	0.0	35.6	
88	15.0	0.0	29.6	





#35

Dibromofluoromethane

Concen: 49.215 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

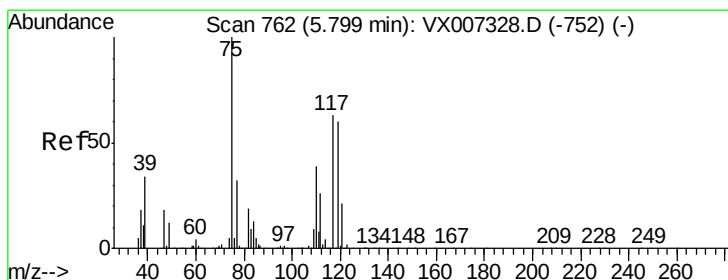
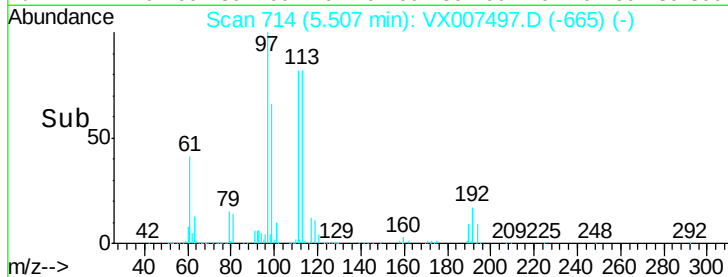
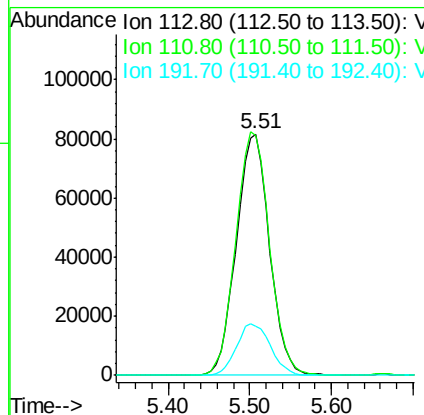
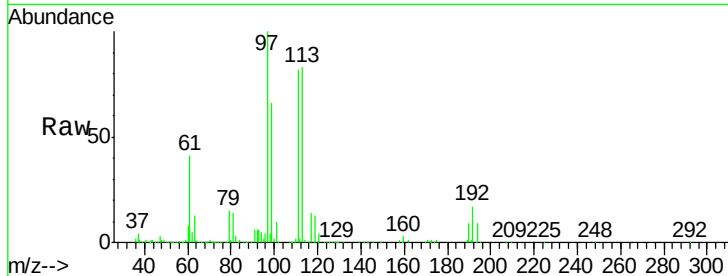
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	229614
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.8	122.8
192	22.2	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 43.886 ug/l

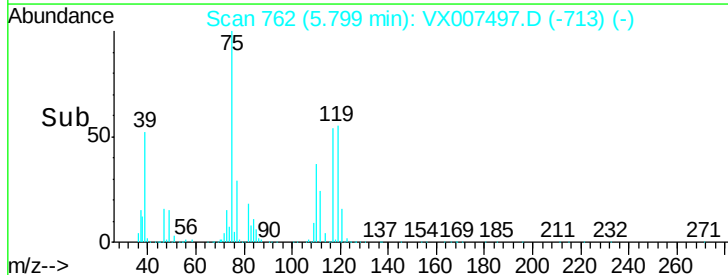
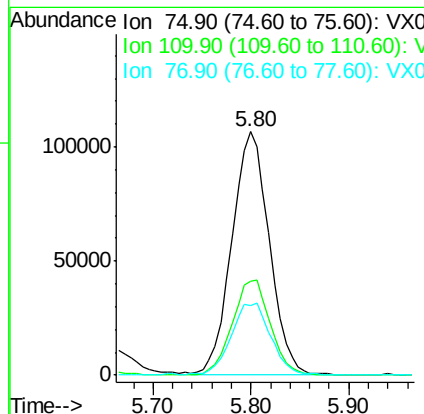
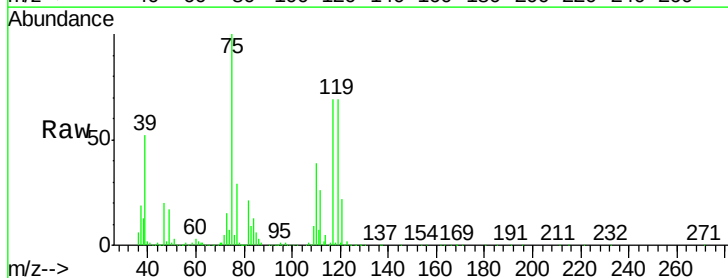
RT: 5.80 min Scan# 762

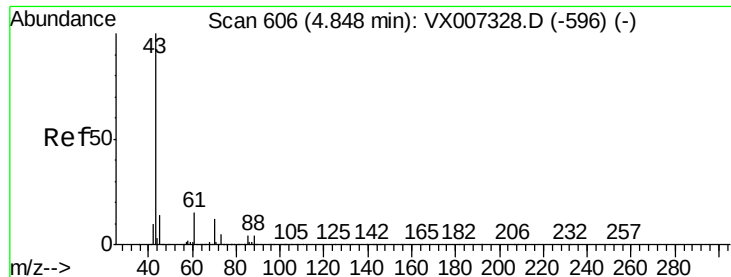
Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion:	75	Resp:	282346
Ion Ratio	Lower	Upper	
75	100		
110	39.9	20.0	59.9
77	30.9	24.7	37.1





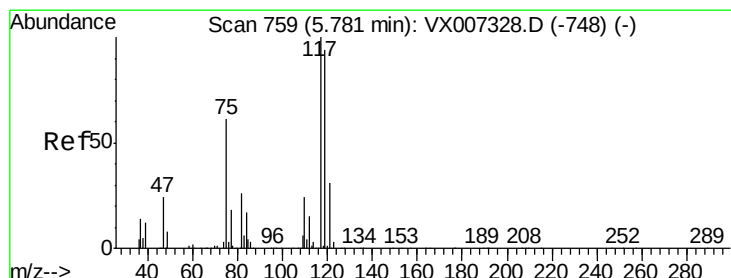
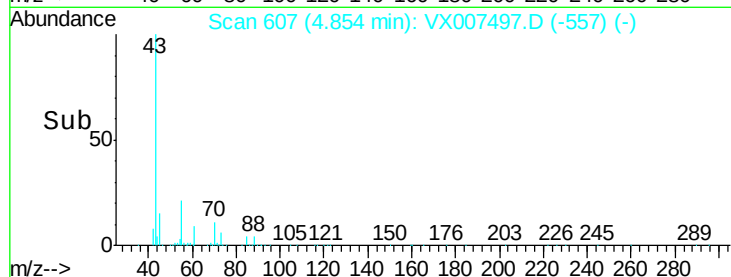
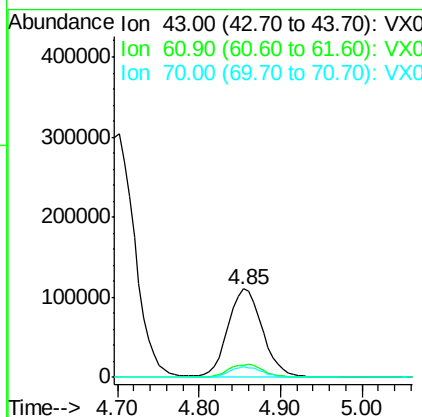
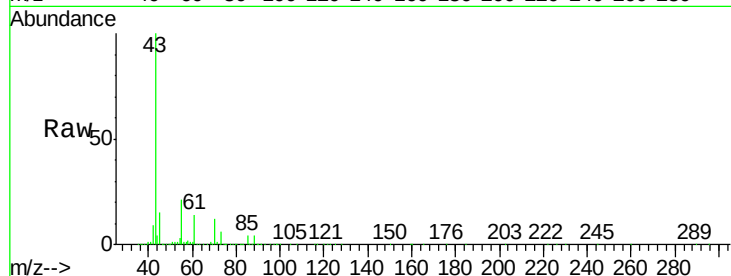
#37
Ethyl Acetate
Concen: 49.526 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	322099
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.3	16.9
70	10.9	8.6	13.0

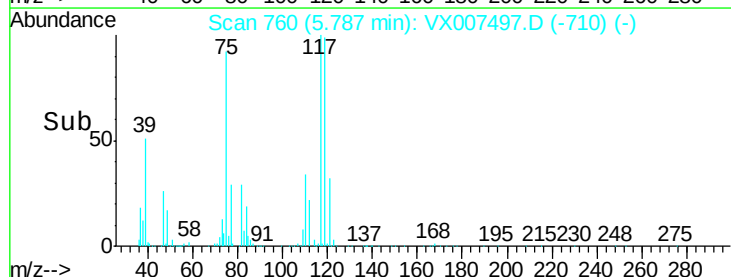
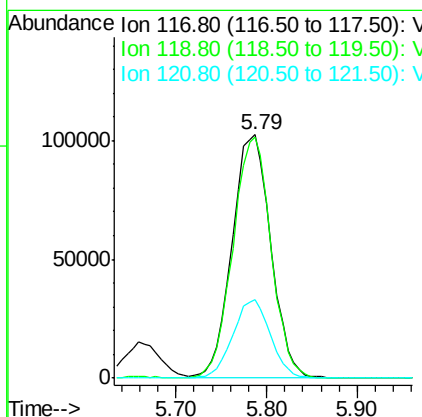
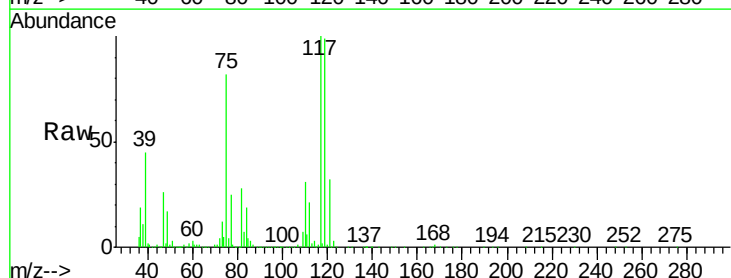
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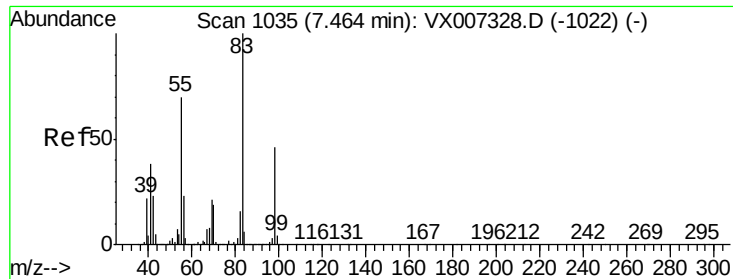
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.701 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion:	117	Resp:	303972
Ion	Ratio	Lower	Upper
117	100		
119	98.5	75.3	112.9
121	32.3	25.0	37.4





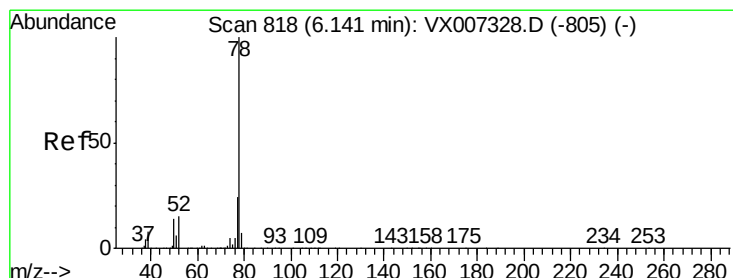
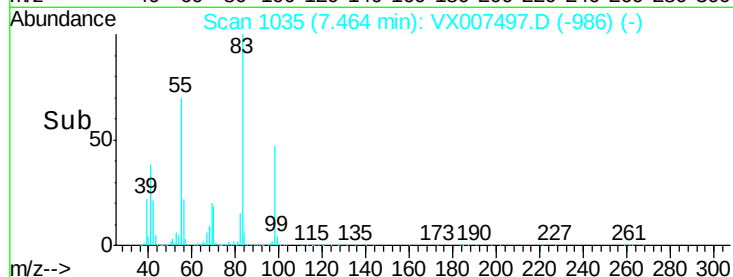
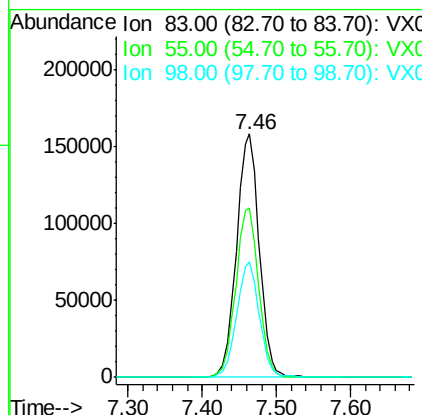
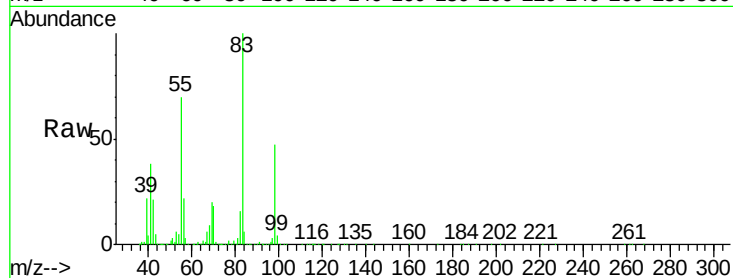
#39
Methylvlcyclohexane
Concen: 43.447 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.4	56.2	84.2
98	47.3	36.8	55.2

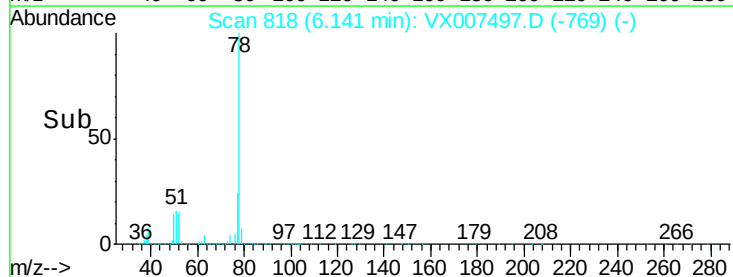
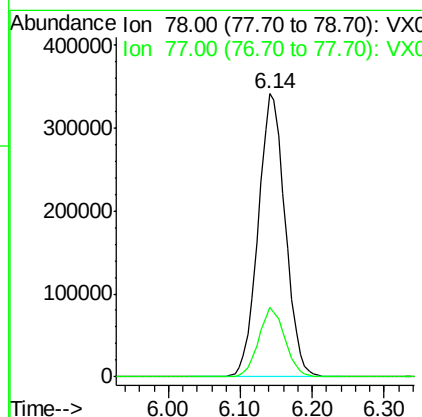
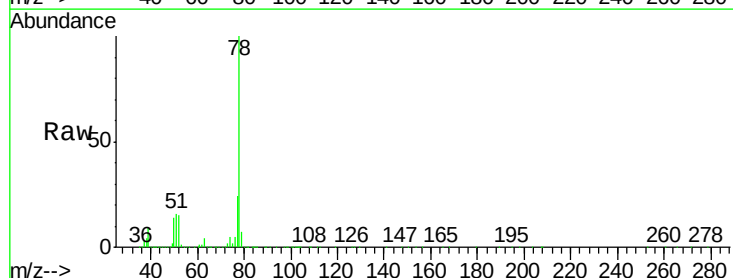
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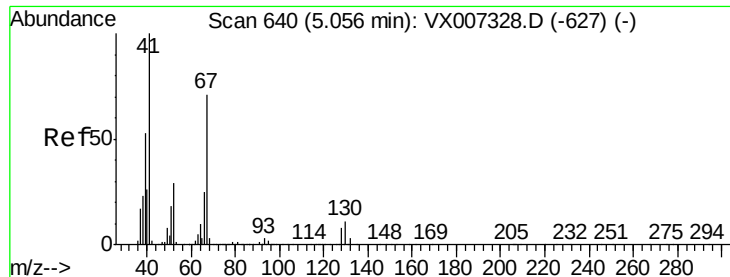
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#40
Benzene
Concen: 46.866 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9





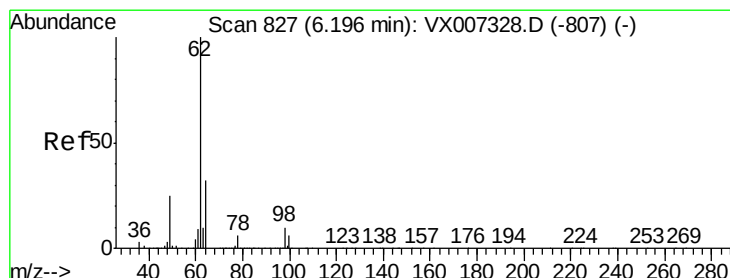
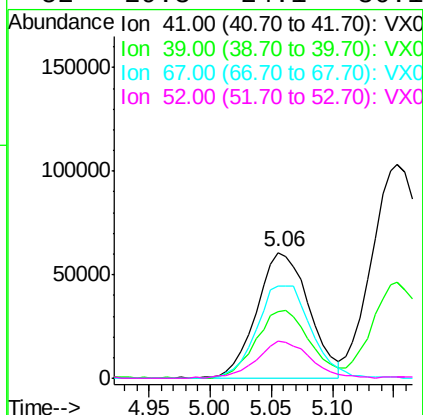
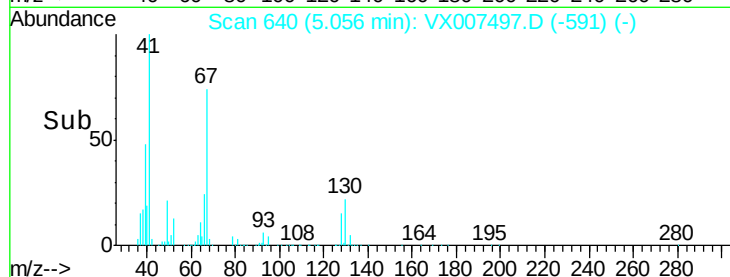
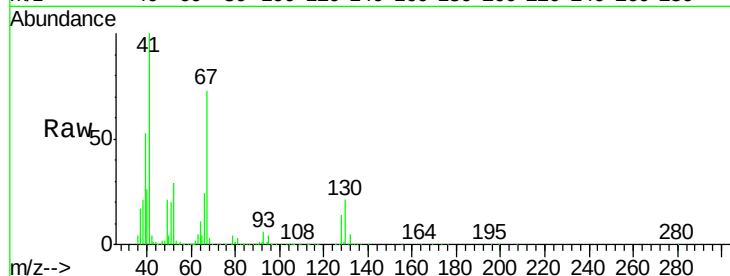
#41
Methacrylonitrile
Concen: 51.651 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	44.5	66.7	
67	76.8	60.4	90.6	
52	29.3	24.1	36.1	

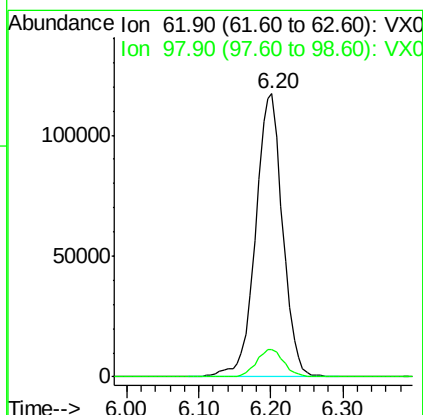
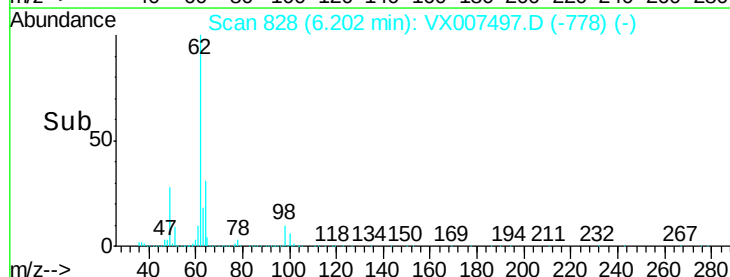
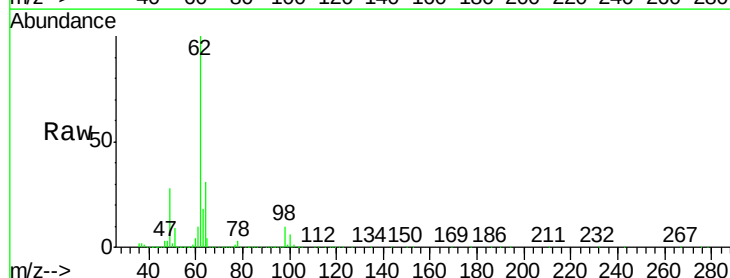
Manual Integrations
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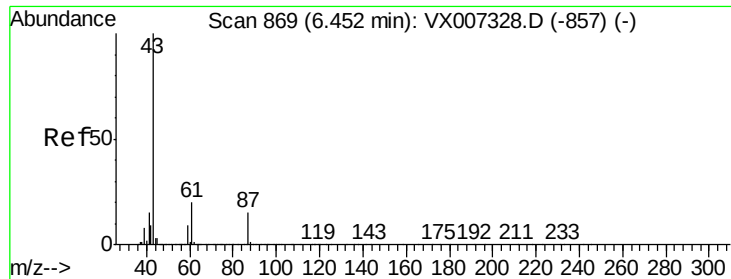
MMDadoda
2/13/2019 12:14:39 PM



#42
1,2-Dichloroethane
Concen: 46.335 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.0	





#43

Isopropyl Acetate

Concen: 51.512 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

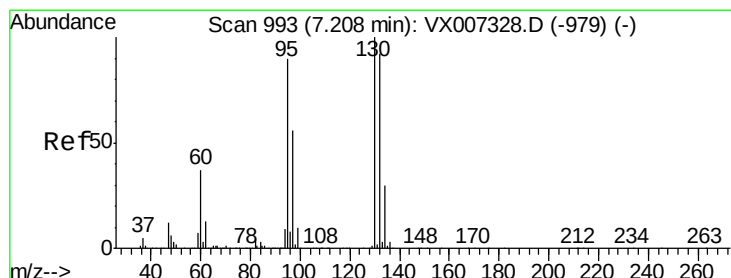
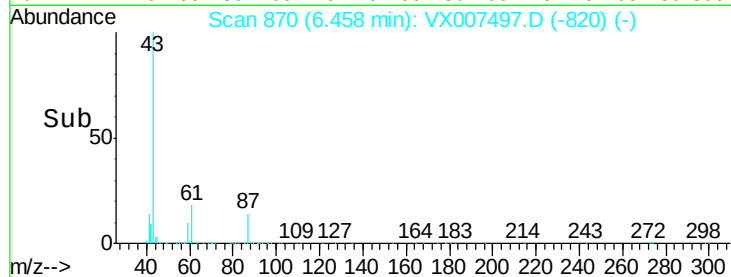
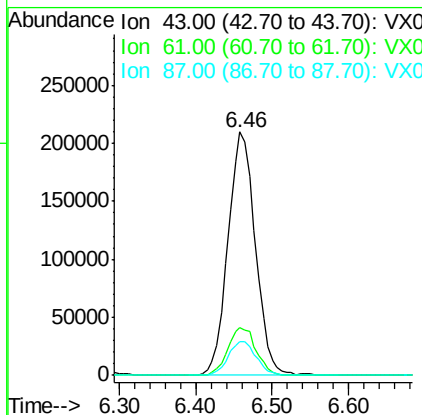
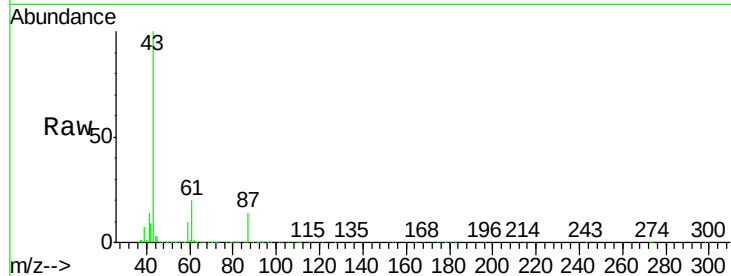
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	517097
Ion Ratio		Lower	Upper
43	100		
61	20.5	16.1	24.1
87	14.4	11.5	17.3

Manual Integrations
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2/13/2019 12:14:39 PM



#44

Trichloroethene

Concen: 45.578 ug/l

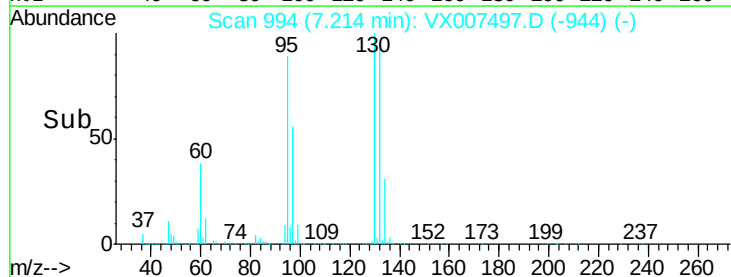
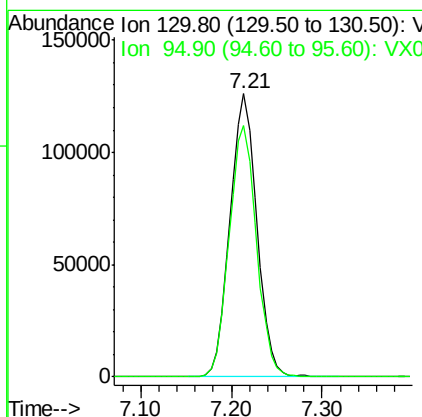
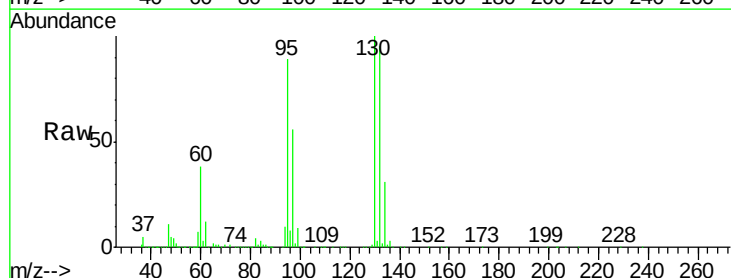
RT: 7.21 min Scan# 994

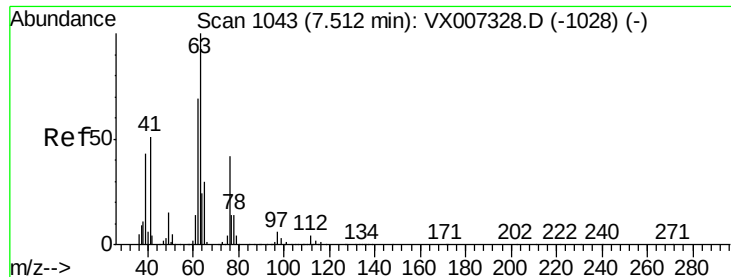
Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion:	130	Resp:	260147
Ion Ratio		Lower	Upper
130	100		
95	88.9	0.0	180.0





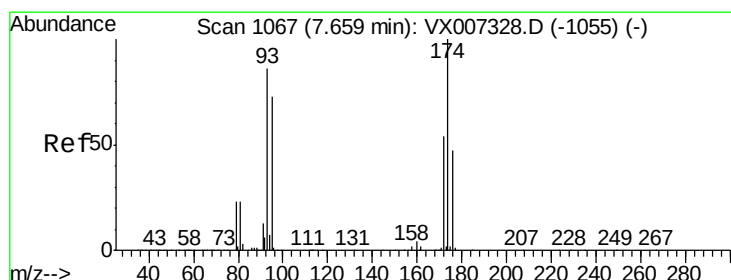
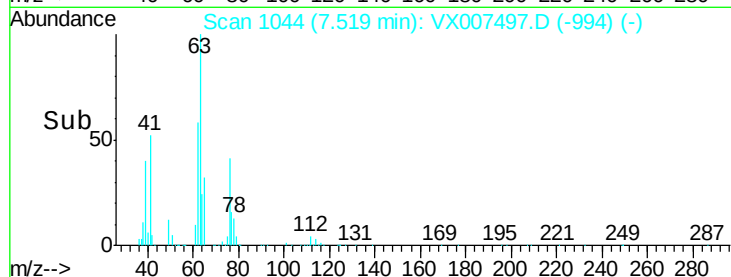
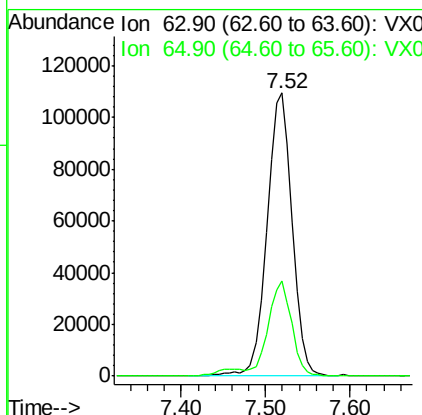
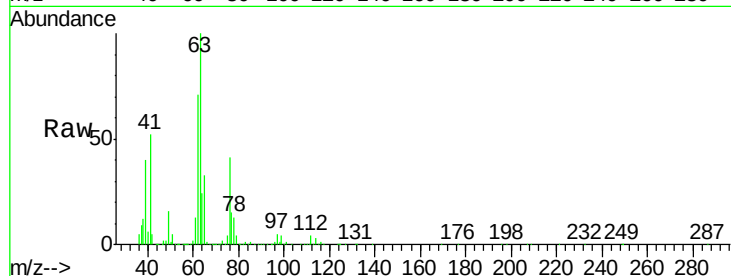
#45
 1,2-Dichloropropane
 Concen: 47.548 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.2	36.2

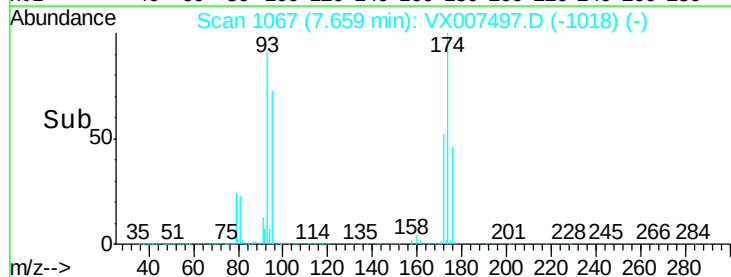
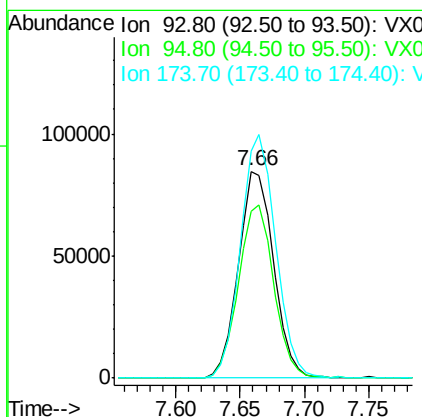
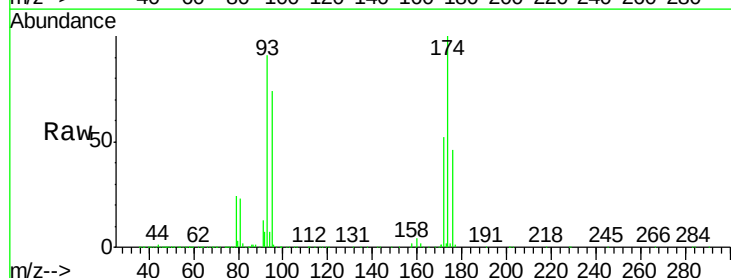
Manual Integrations
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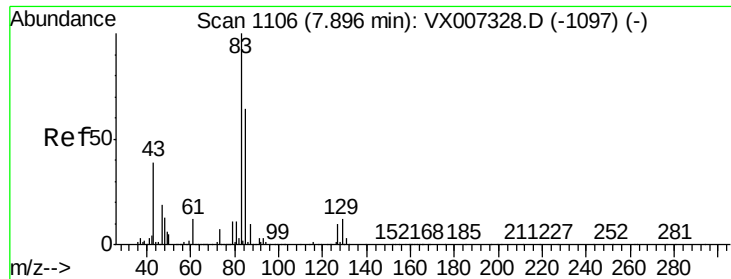
MMDadoda
 2/13/2019 12:14:39 PM



#46
 Dibromomethane
 Concen: 46.282 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.6	101.4
174	118.1	94.2	141.4





#47

Bromodichloromethane

Concen: 50.073 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

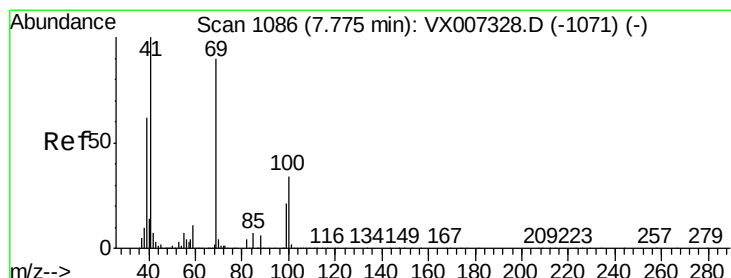
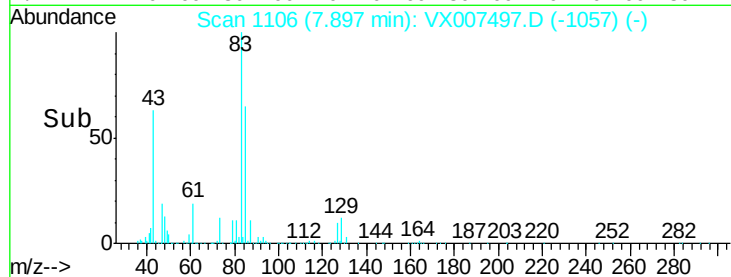
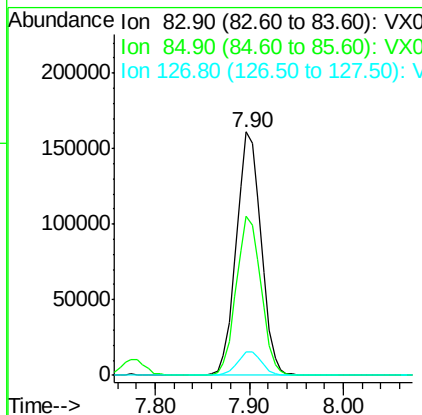
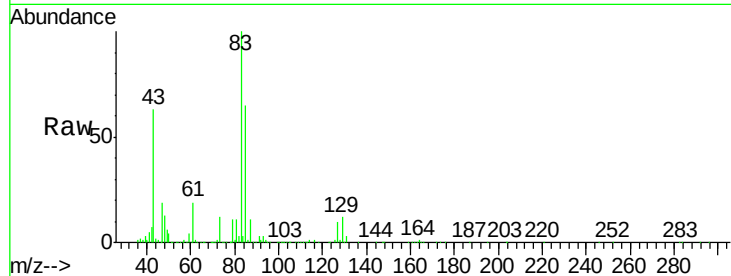
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	292872
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.4	77.0
127	9.7	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.063 ug/l

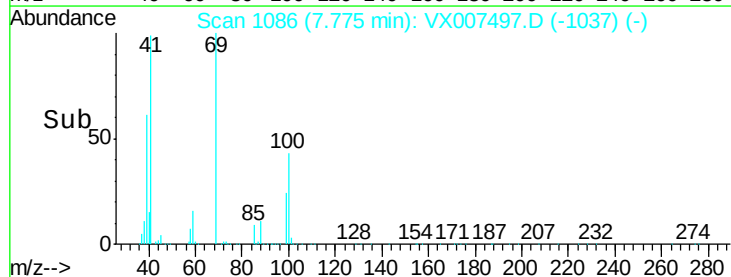
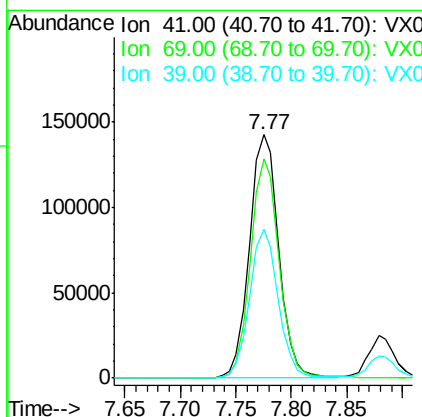
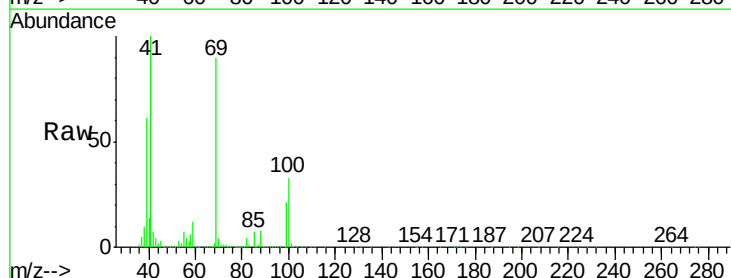
RT: 7.77 min Scan# 1086

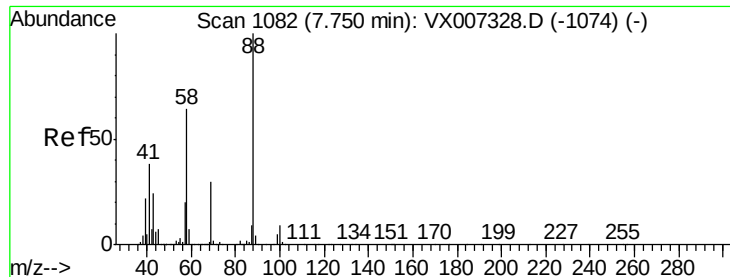
Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion:	41	Resp:	261415
Ion Ratio	Lower	Upper	
41	100		
69	88.7	70.2	105.4
39	59.6	47.4	71.0





#49

1,4-Dioxane

Concen: 918.365 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

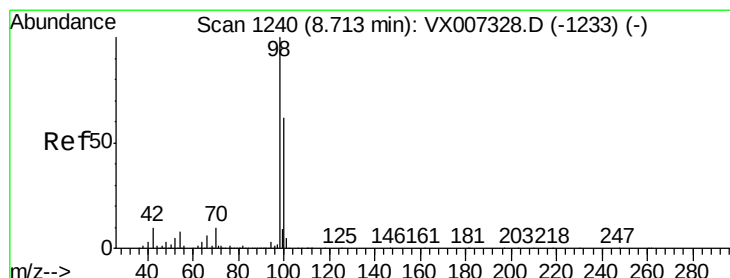
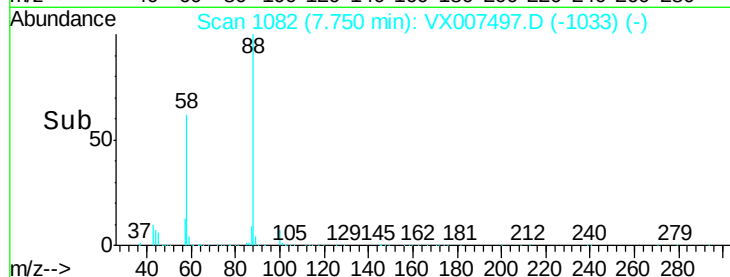
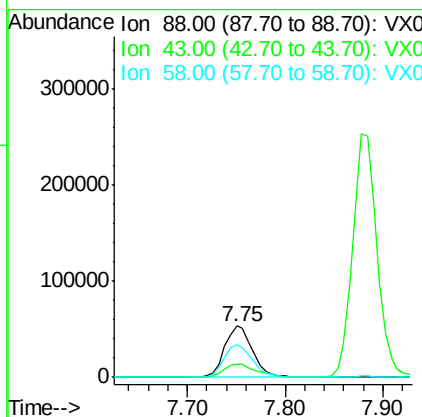
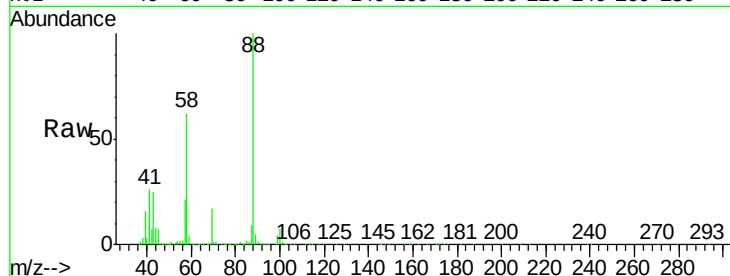
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	104804
Ion	Ratio	Lower	Upper
88	100		
43	29.9	24.2	36.4
58	65.0	53.0	79.4

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#50

Toluene-d8

Concen: 48.375 ug/l

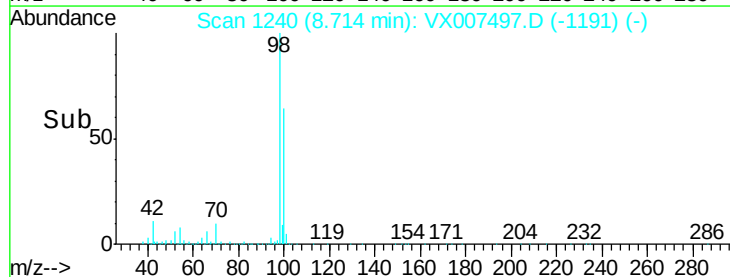
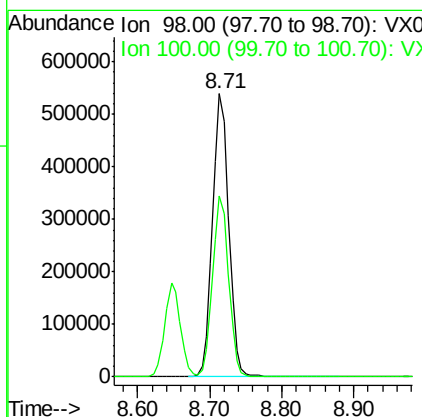
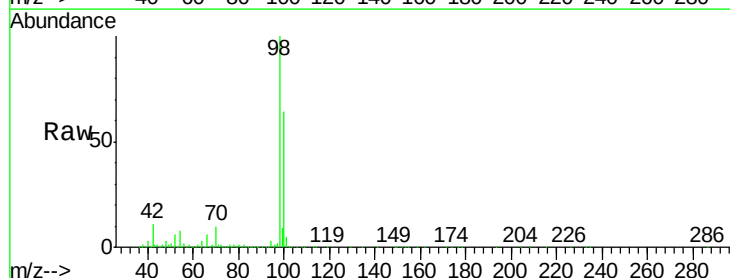
RT: 8.71 min Scan# 1240

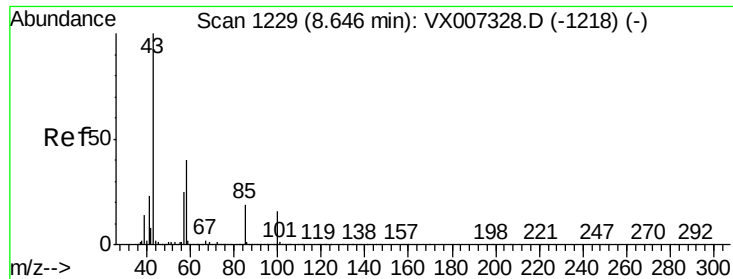
Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion:	98	Resp:	837376
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 256.651 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1696033

Ion Ratio Lower Upper

43 100

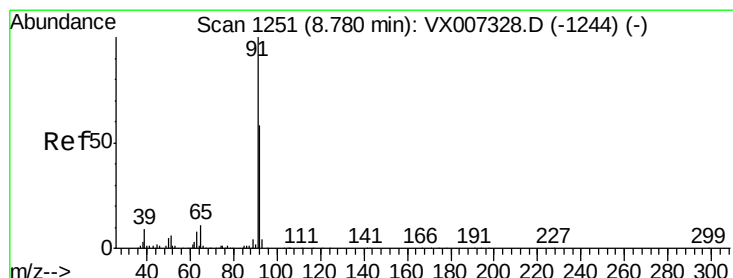
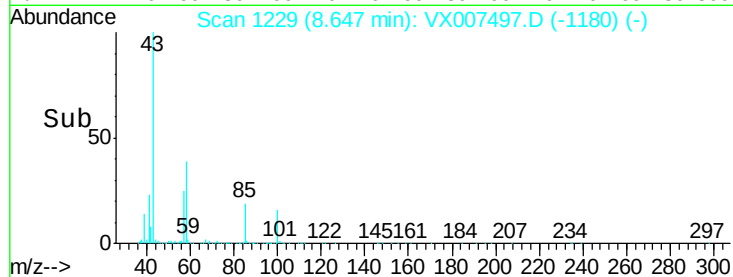
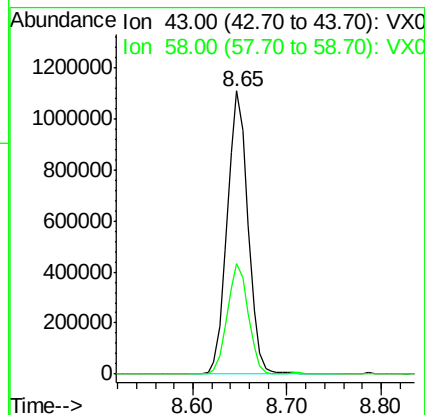
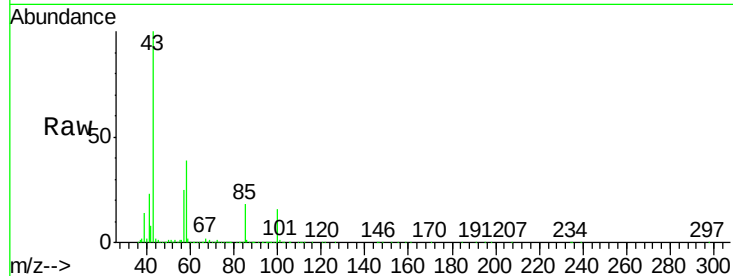
58 39.1 31.2 46.8

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#52

Toluene

Concen: 46.246 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007497.D

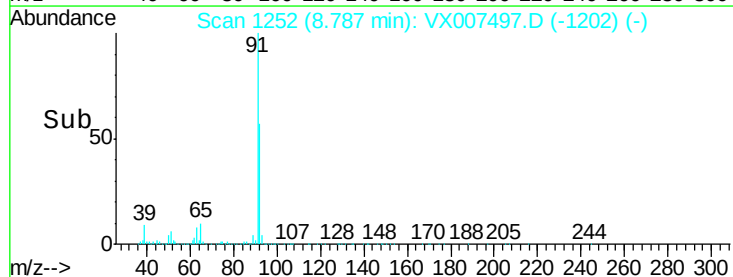
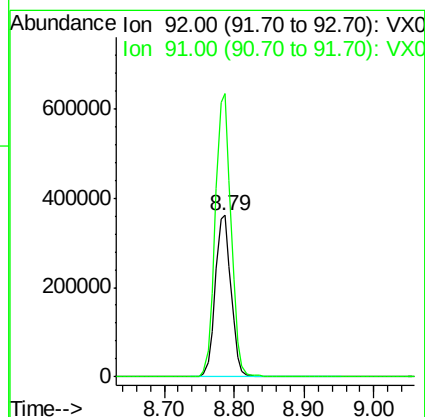
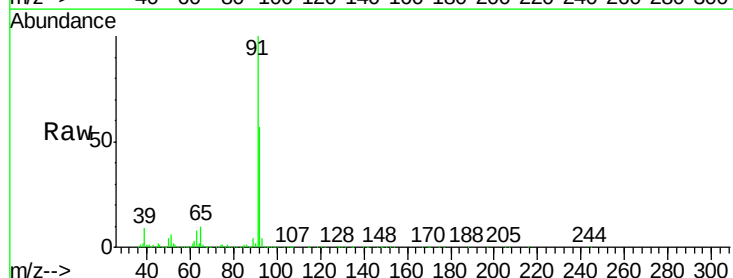
Acq: 12 Feb 2019 19:03

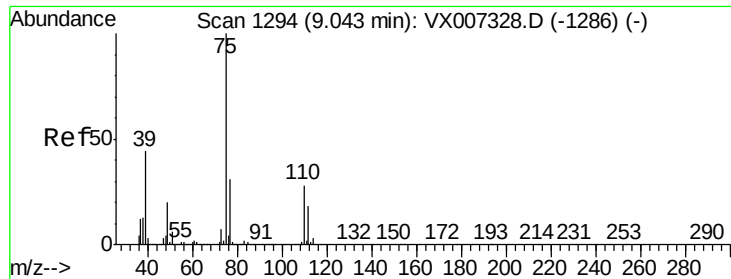
Tgt Ion: 92 Resp: 565463

Ion Ratio Lower Upper

92 100

91 176.0 139.1 208.7





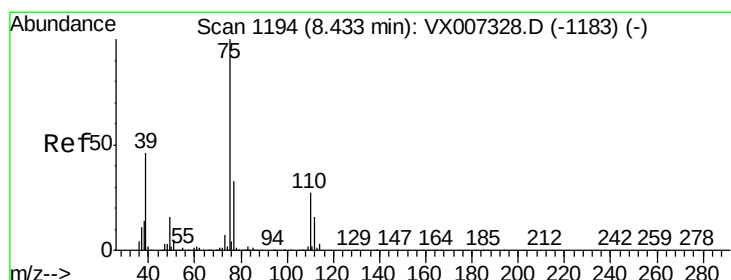
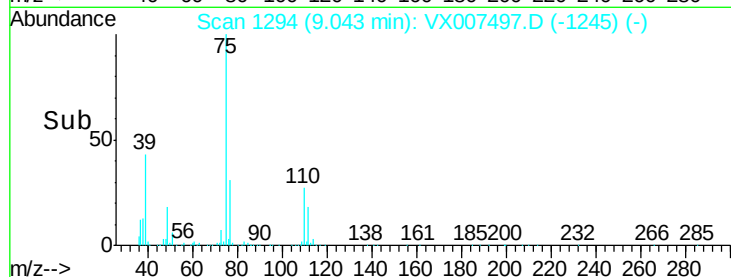
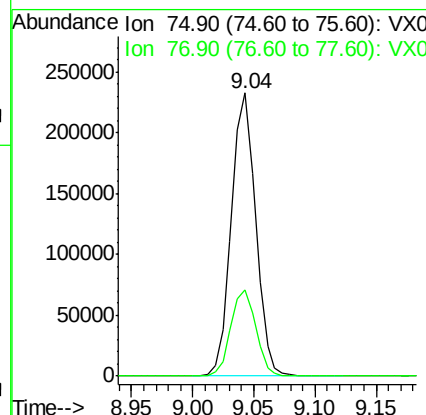
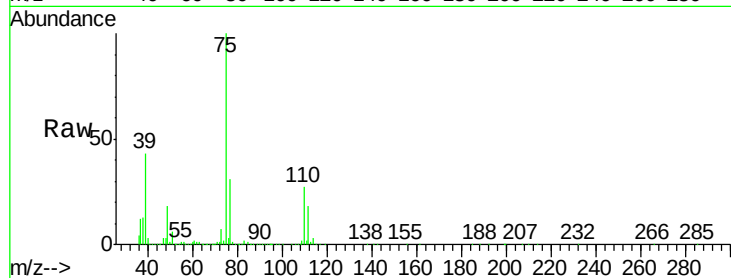
#53
t-1,3-Dichloropropene
Concen: 51.108 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 321092
Ion Ratio Lower Upper
75 100
77 30.6 25.2 37.8

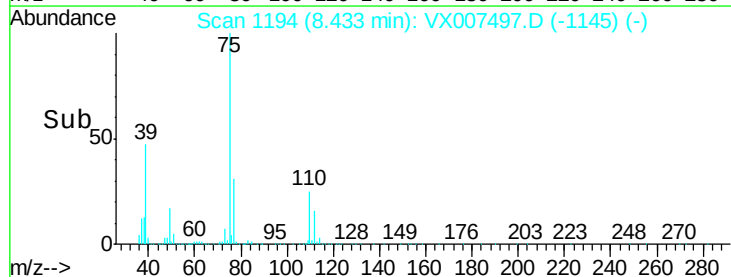
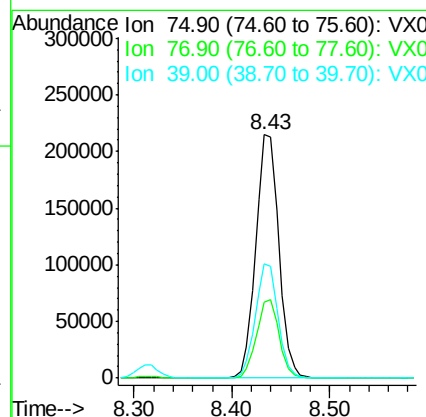
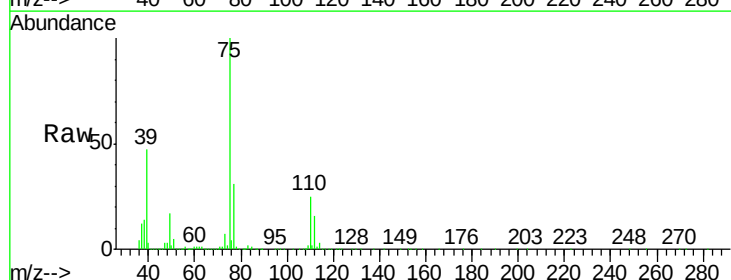
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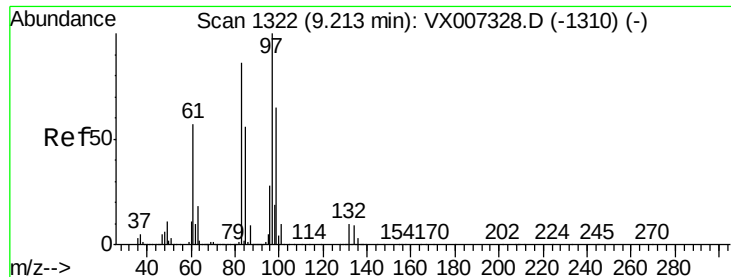
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.929 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion: 75 Resp: 351864
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.4
39 47.0 37.1 55.7





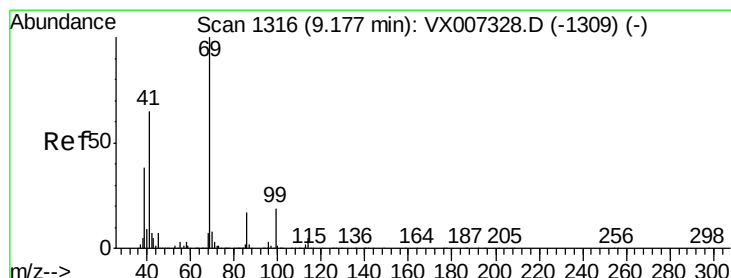
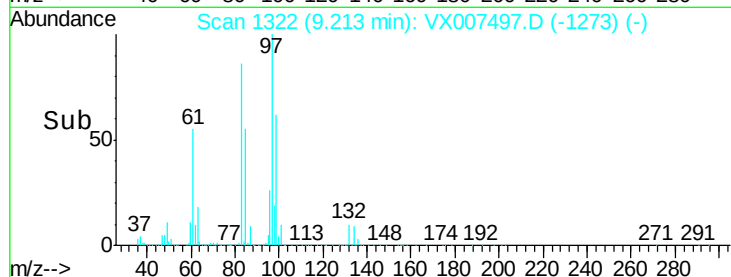
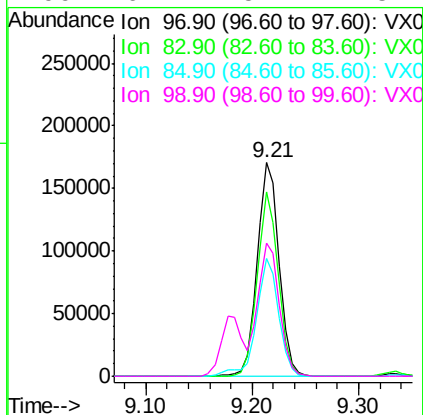
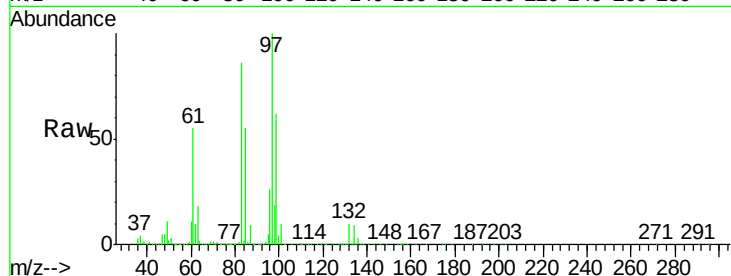
#55
 1,1,2-Trichloroethane
 Concen: 48.097 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		245145		
83	86.4	68.6	102.8		
85	55.3	44.5	66.7		
99	62.2	52.2	78.4		

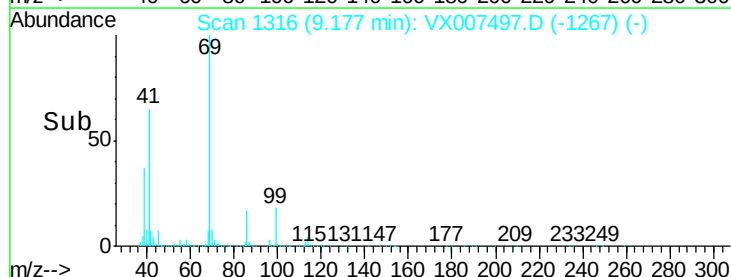
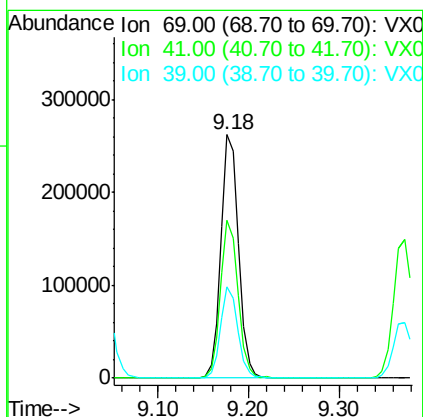
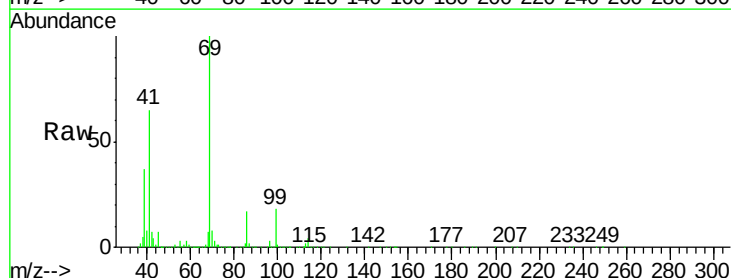
Manual Integrations
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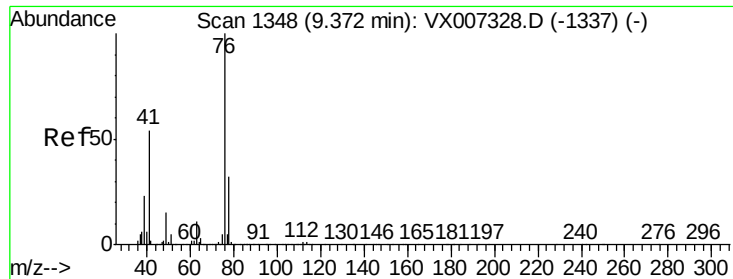
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#56
 Ethyl methacrylate
 Concen: 50.594 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		357156		
41	64.9	52.1	78.1		
39	36.8	30.1	45.1		





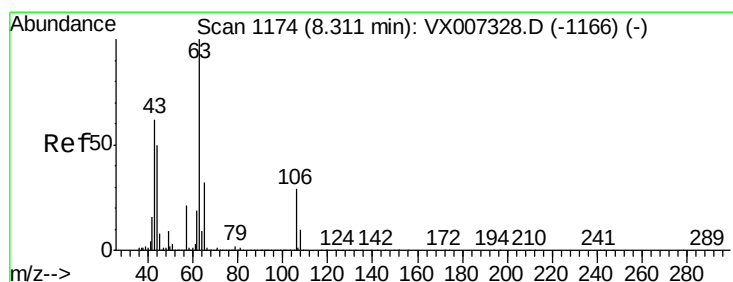
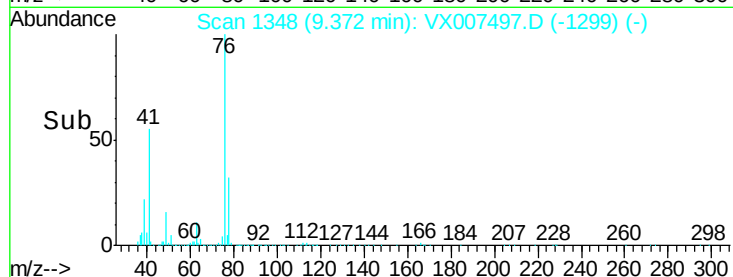
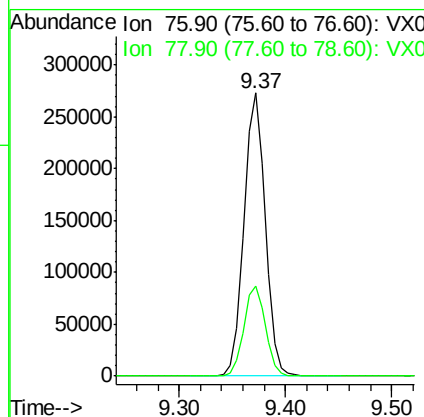
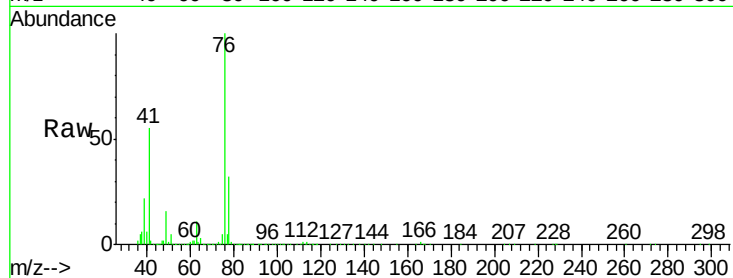
#57
 1,3-Dichloropropane
 Concen: 47.358 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

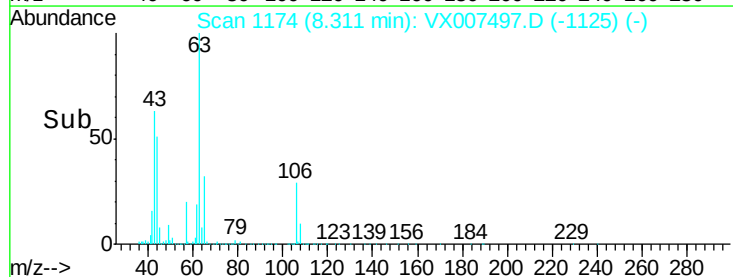
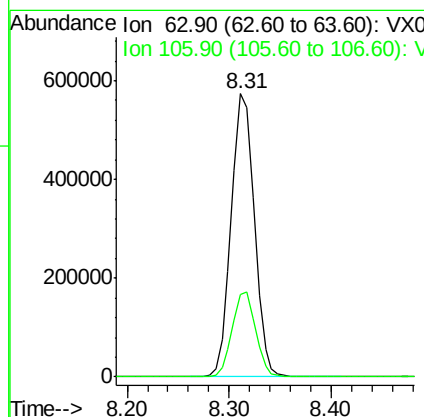
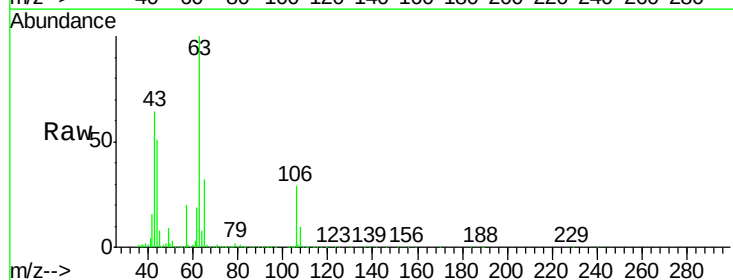
Manual Integrations
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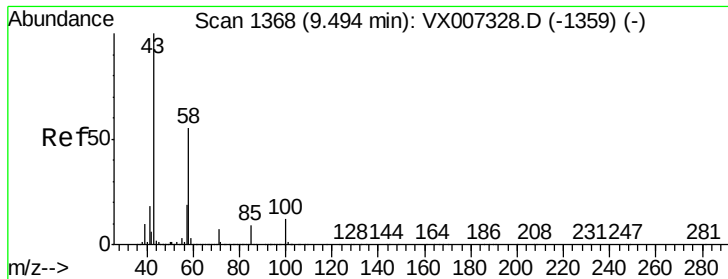
MMDadoda
 2/13/2019 12:14:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.041 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.6	35.4





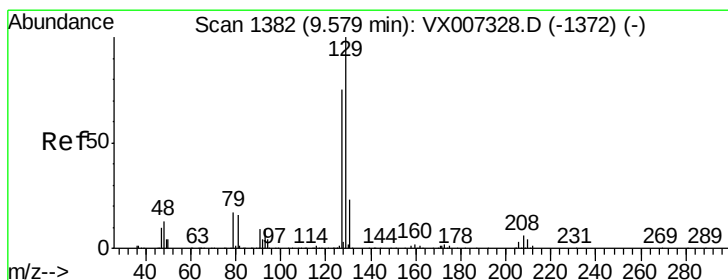
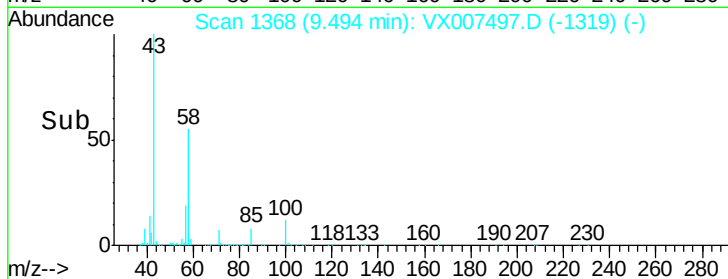
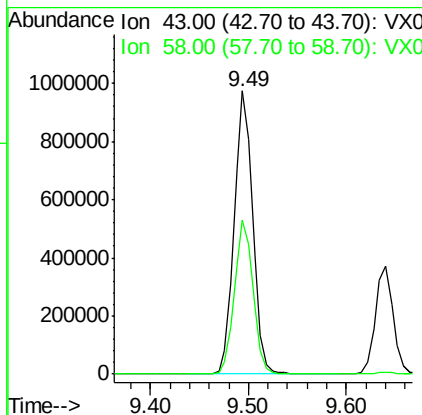
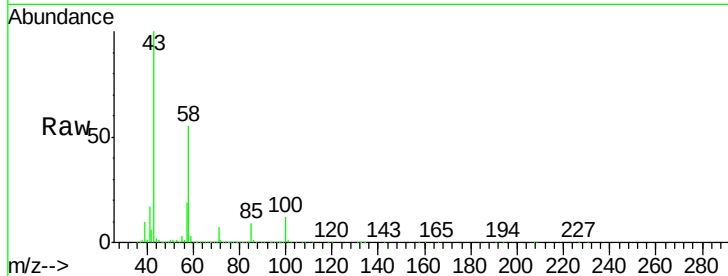
#59
2-Hexanone
Concen: 249.092 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1280926
Ion Ratio Lower Upper
43 100
58 54.8 27.1 81.3

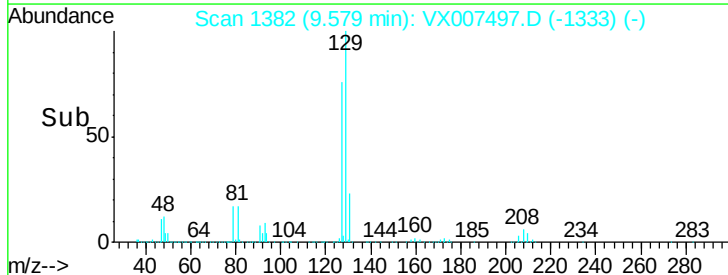
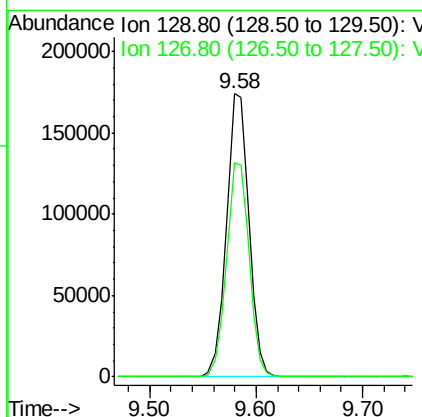
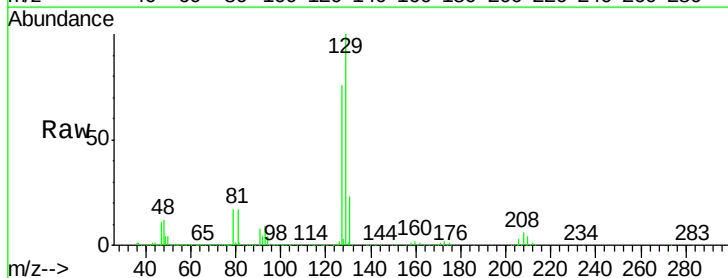
Manual Integrations
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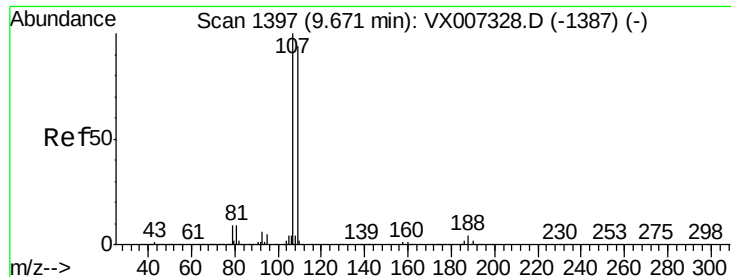
MMDadoda
2/13/2019 12:14:39 PM



#60
Dibromochloromethane
Concen: 53.475 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion: 129 Resp: 257771
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4





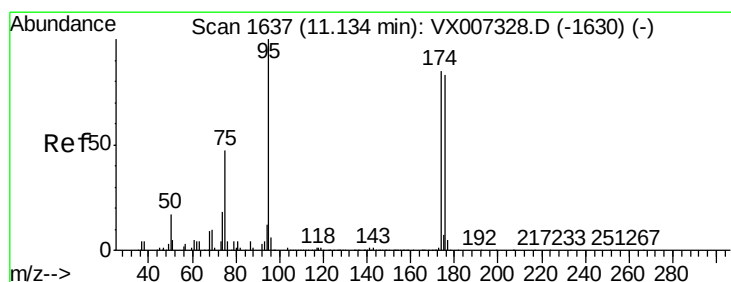
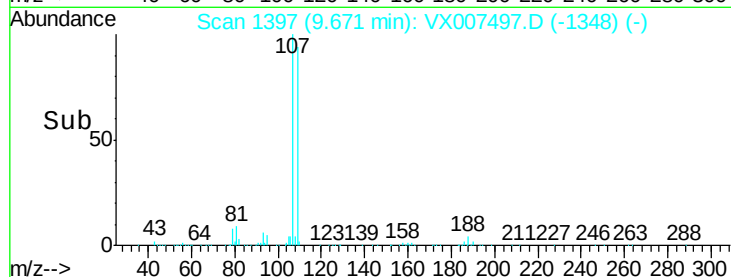
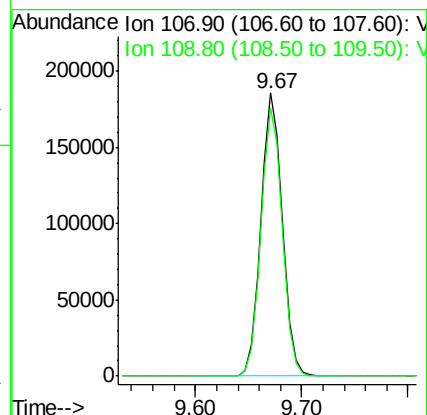
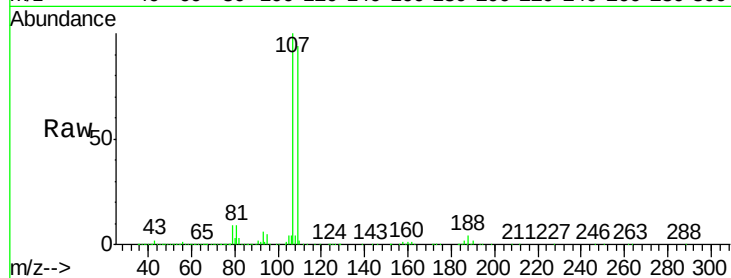
#61
 1,2-Dibromoethane
 Concen: 48.571 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	262169		
109	94.5	75.1	112.7	

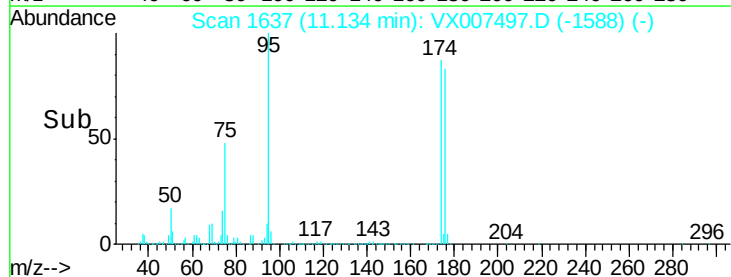
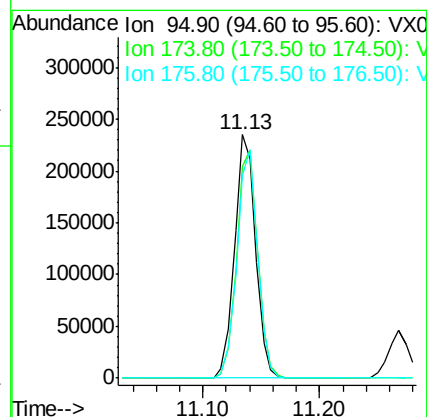
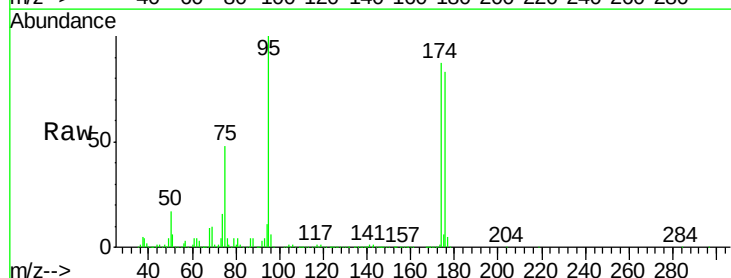
Manual Integrations
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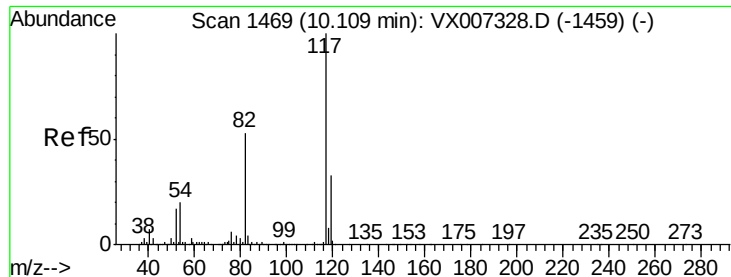
MMDadoda
 2/13/2019 12:14:39 PM



#62
 4-Bromofluorobenzene
 Concen: 46.570 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	294318		
174	94.6	0.0	189.2	
176	92.6	0.0	186.2	





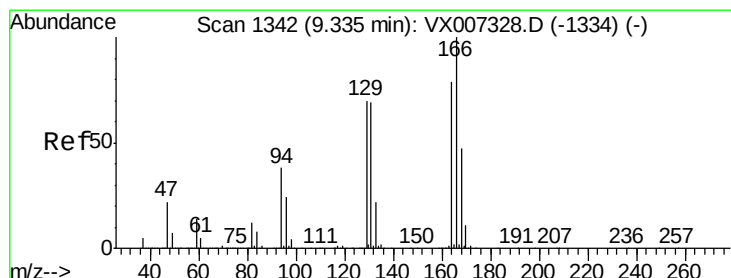
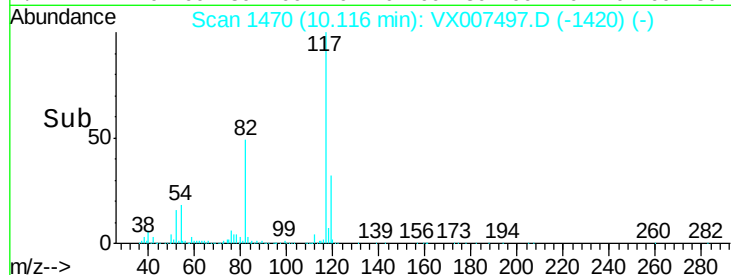
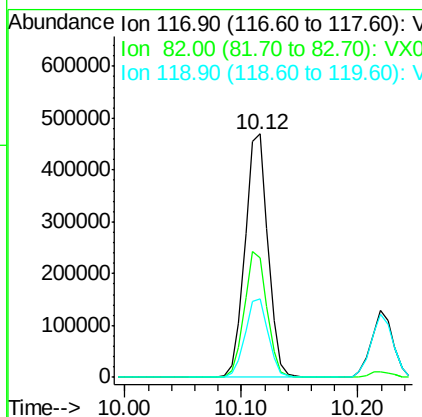
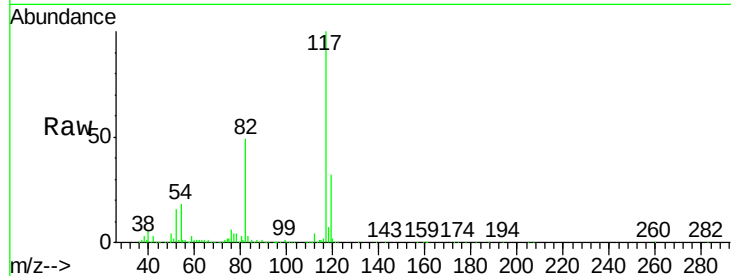
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	49.0	42.1	63.1
119	32.2	26.5	39.7

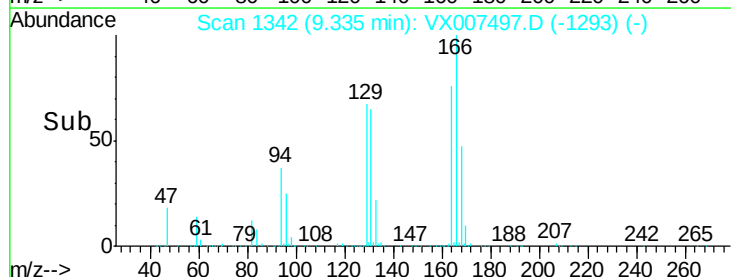
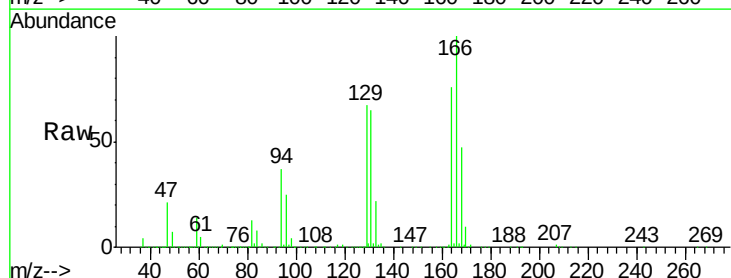
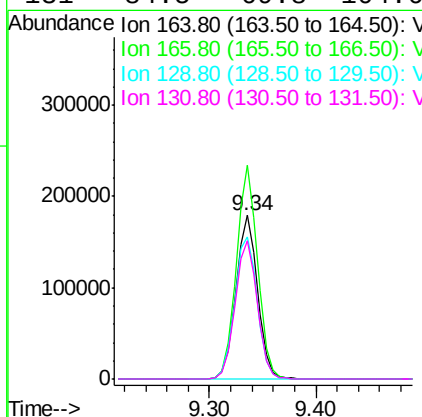
Manual Integrations
APPROVED

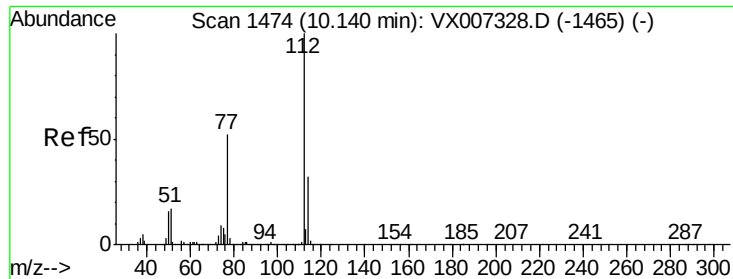
MMDadoda
2/13/2019 12:14:39 PM



#64
Tetrachloroethene
Concen: 42.058 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	130.8	101.0	151.4
129	87.2	70.5	105.7
131	84.5	69.8	104.6





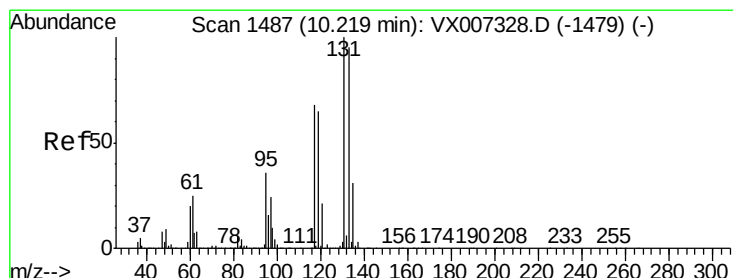
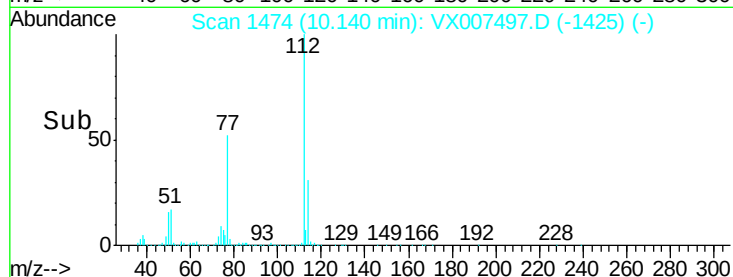
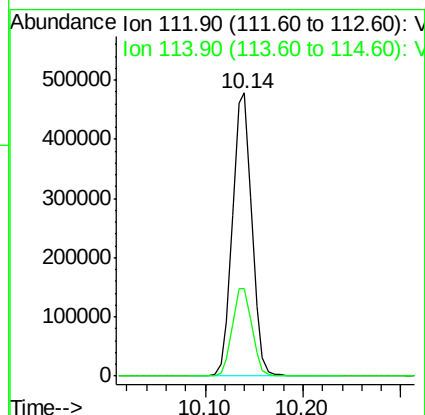
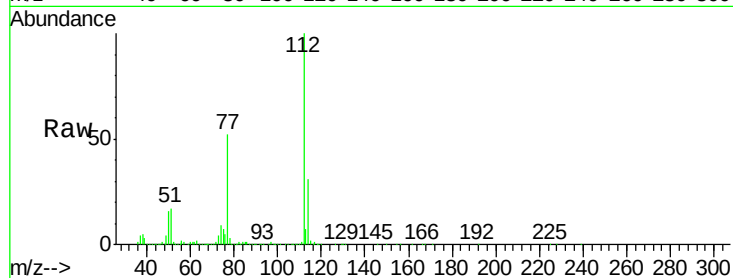
#65
Chlorobenzene
Concen: 46.632 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.8	38.6

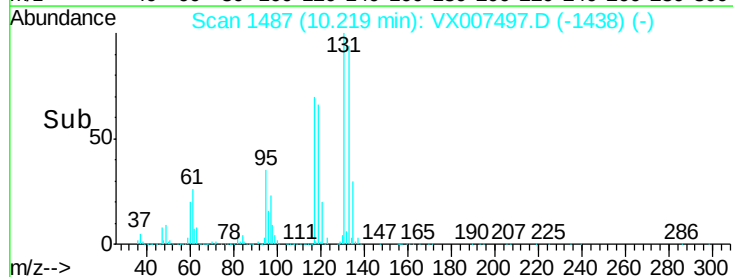
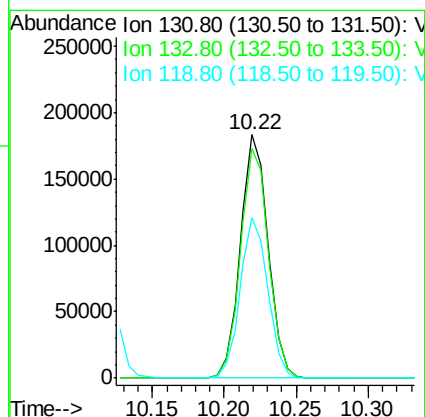
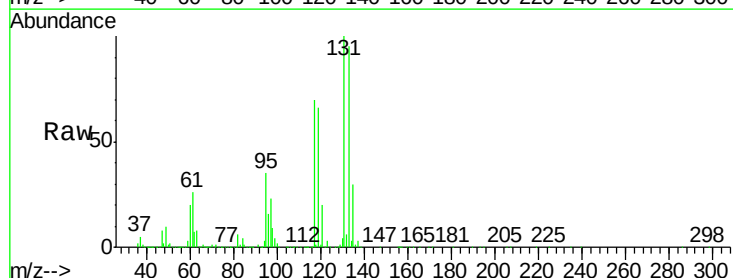
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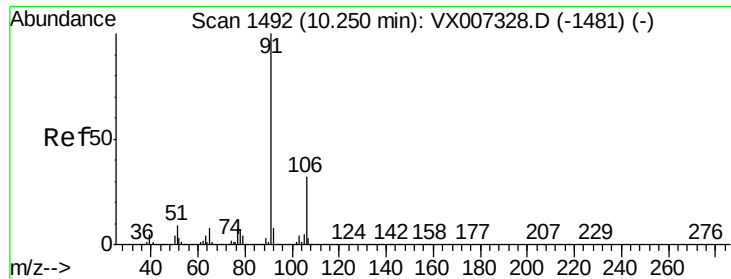
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.697 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.0	144.2
119	65.9	32.0	96.0





#67

Ethyl Benzene

Concen: 47.742 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1084020

Ion Ratio Lower Upper

91 100

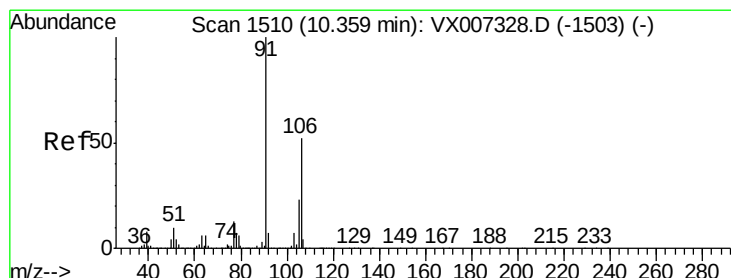
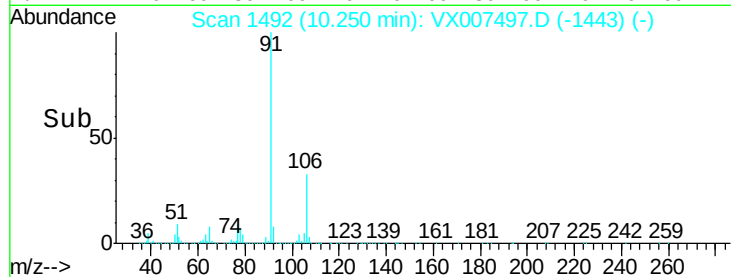
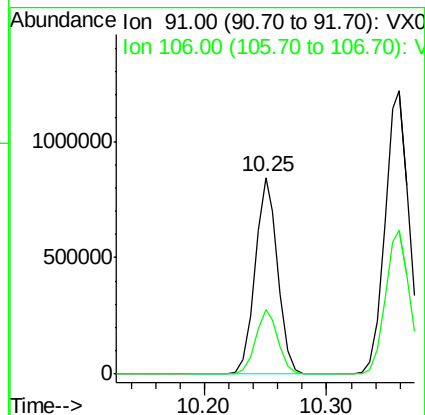
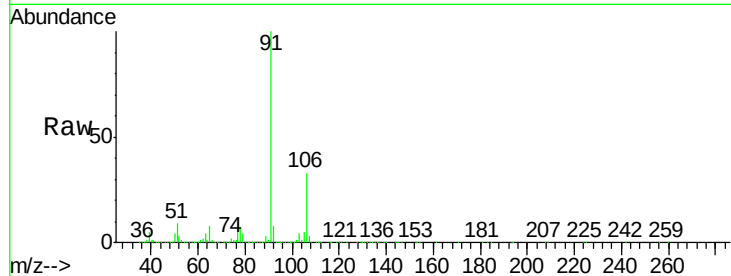
106 32.7 25.4 38.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 93.455 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007497.D

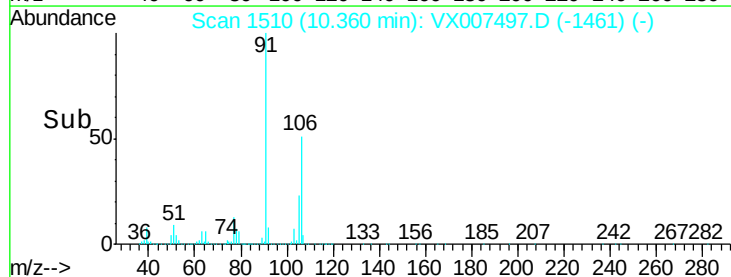
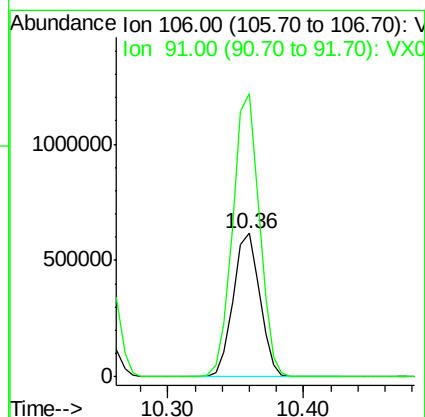
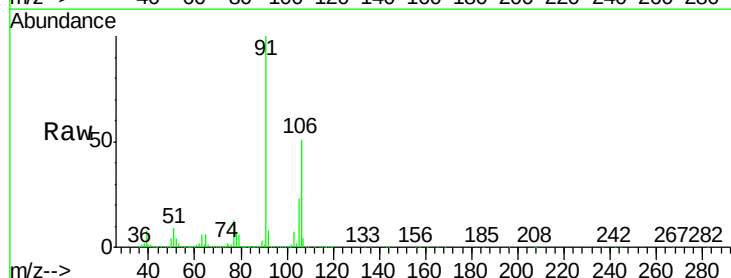
Acq: 12 Feb 2019 19:03

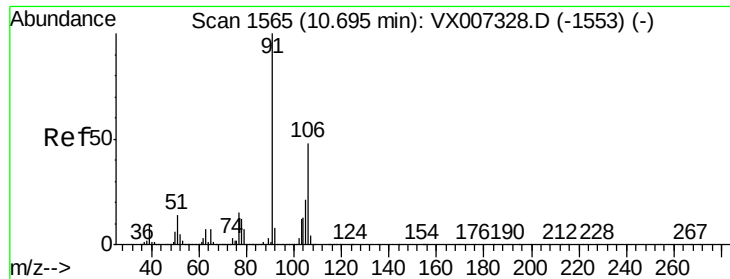
Tgt Ion: 106 Resp: 843514

Ion Ratio Lower Upper

106 100

91 197.3 156.6 234.8





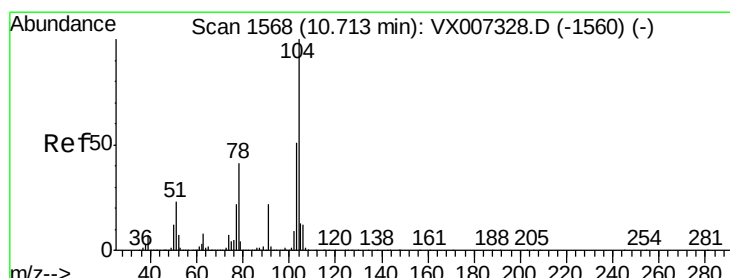
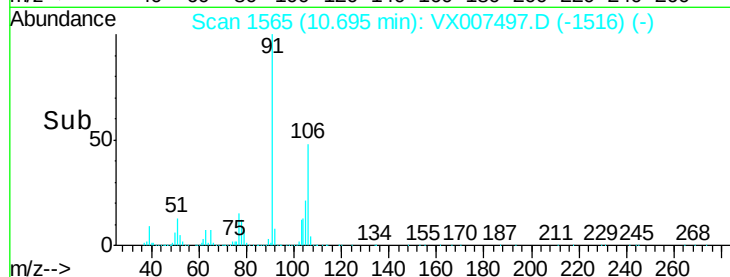
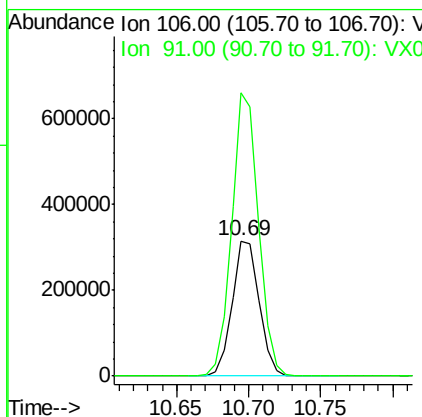
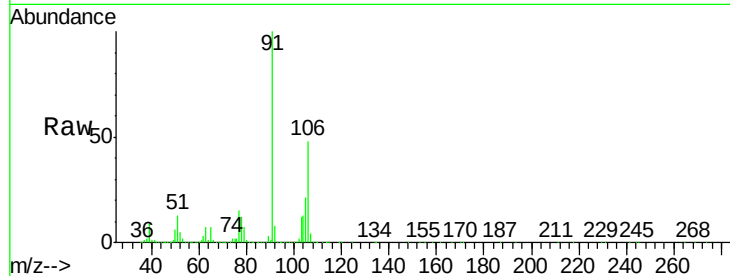
#69
o-Xylene
Concen: 47.953 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.5	102.9	308.7	

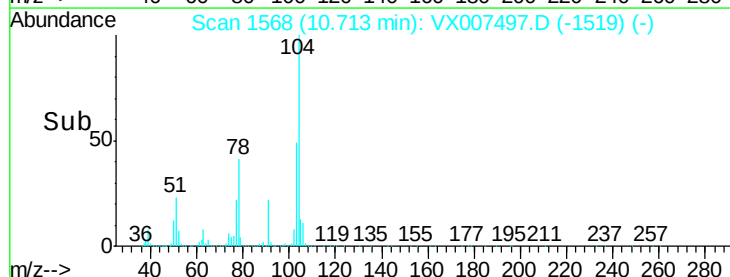
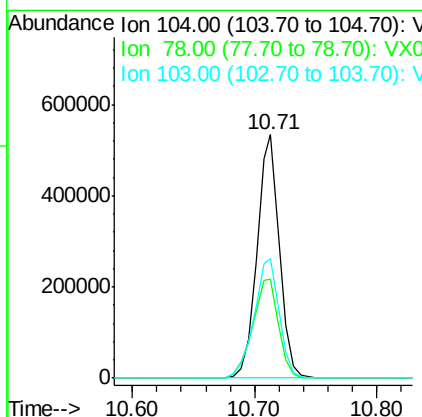
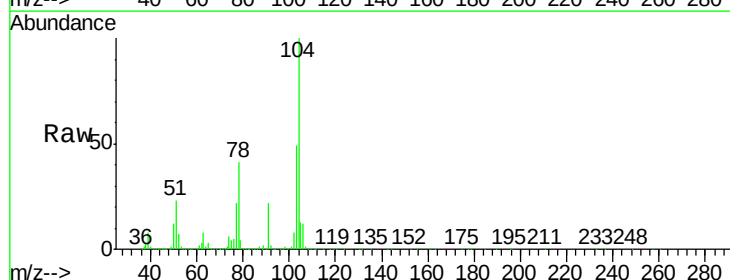
Manual Integrations
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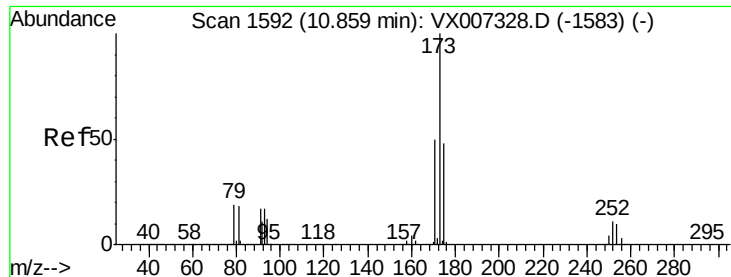
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#70
Styrene
Concen: 48.369 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.0	38.3	57.5	
103	55.3	44.6	67.0	





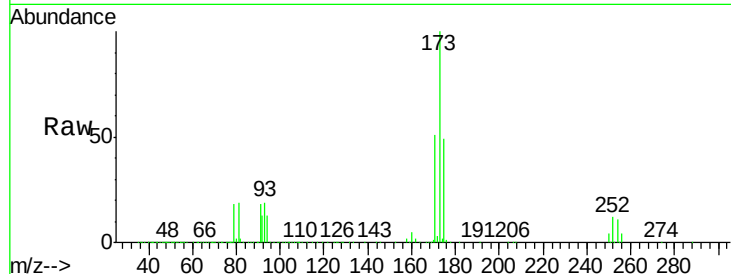
#71
Bromoform
Concen: 47.895 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.2	0.2	0.2

Manual Integrations
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2/13/2019 12:14:39 PM

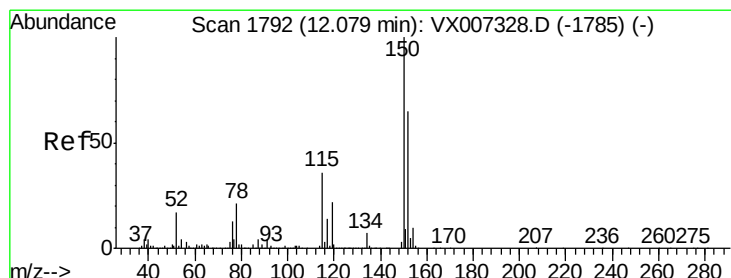
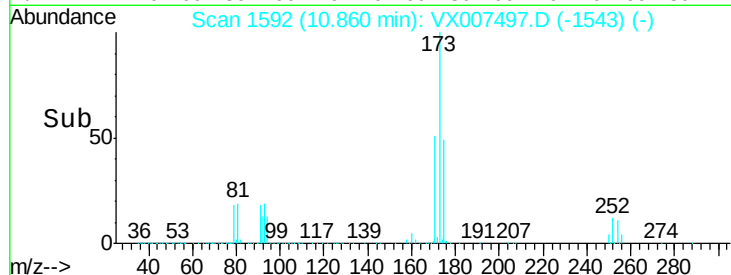
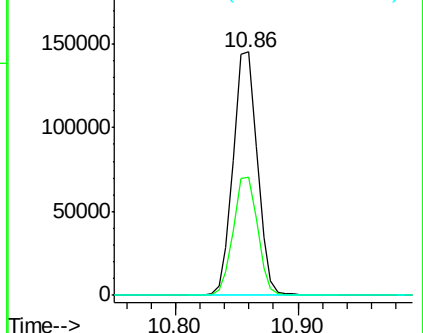


Abundance

Ion 172.70 (172.40 to 173.40): V

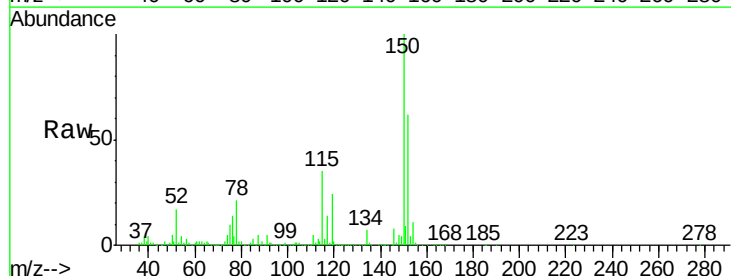
Ion 174.70 (174.40 to 175.40): V

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: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.1	38.0	114.0
150	174.9	0.0	346.4

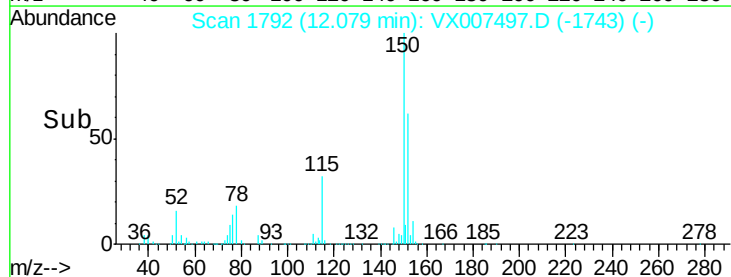
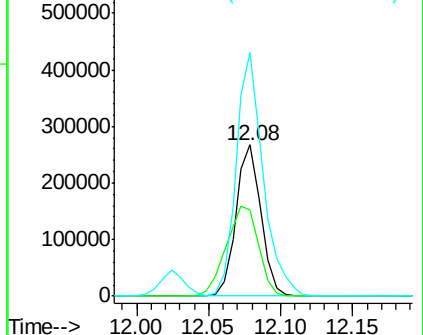


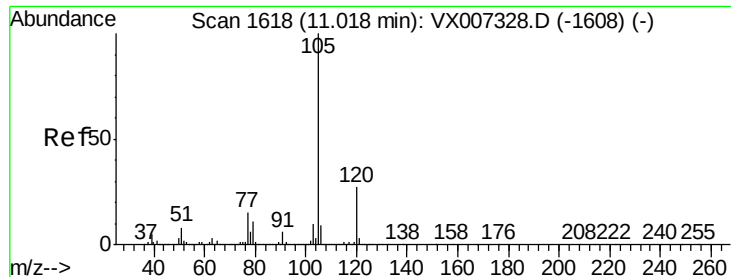
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





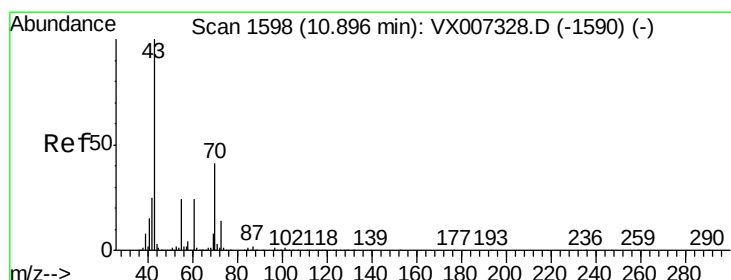
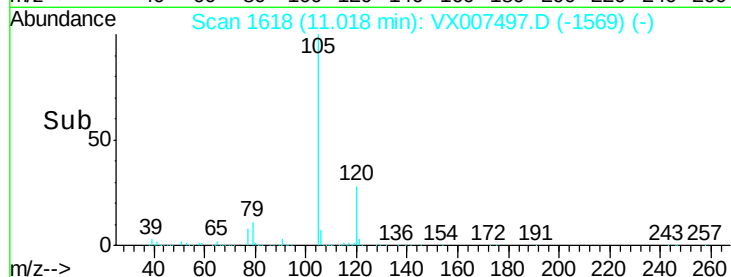
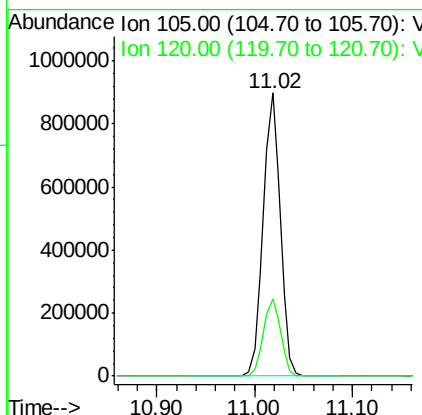
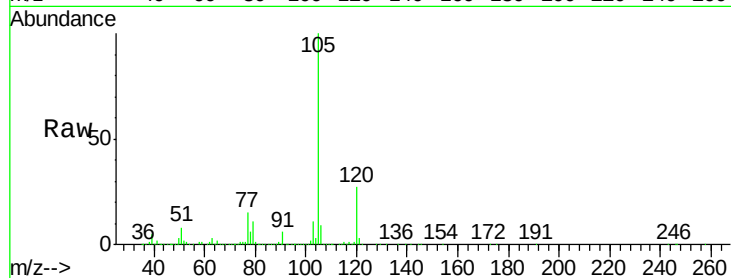
#73
Isopropylbenzene
Concen: 50.563 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1104056
Ion Ratio Lower Upper
105 100
120 27.7 13.6 40.7

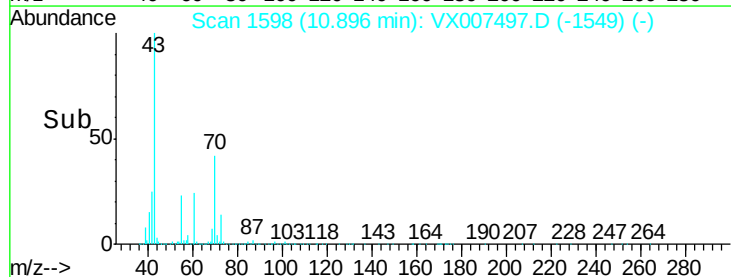
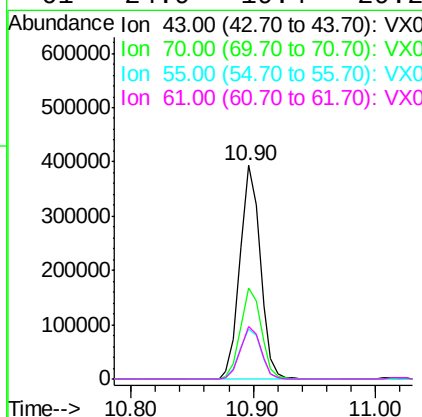
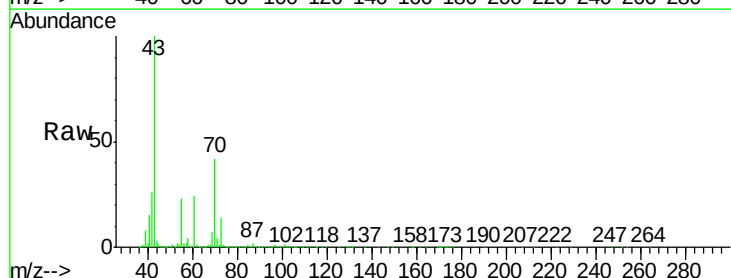
Manual Integrations
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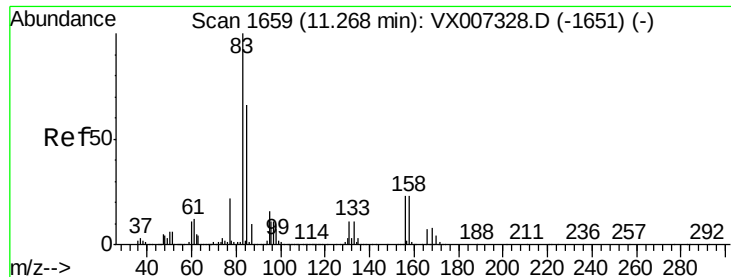
MMDadoda
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#74
N-ethyl acetate
Concen: 53.376 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion: 43 Resp: 450793
Ion Ratio Lower Upper
43 100
70 43.4 33.8 50.6
55 24.5 19.5 29.3
61 24.9 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.980 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

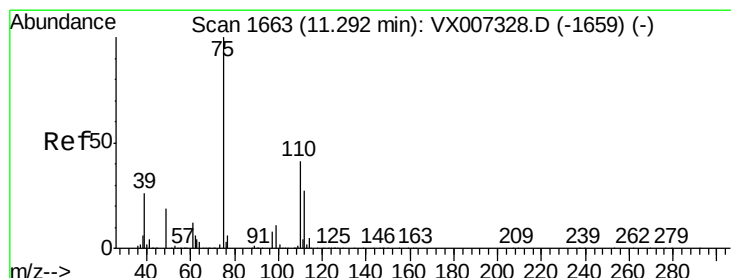
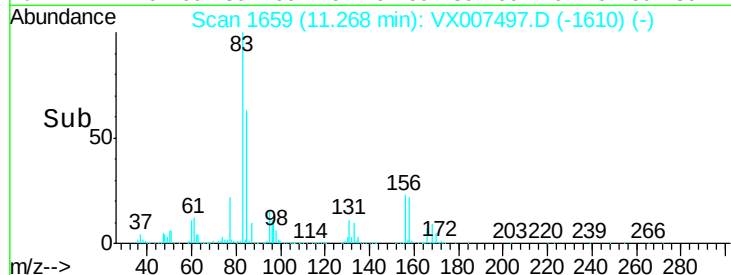
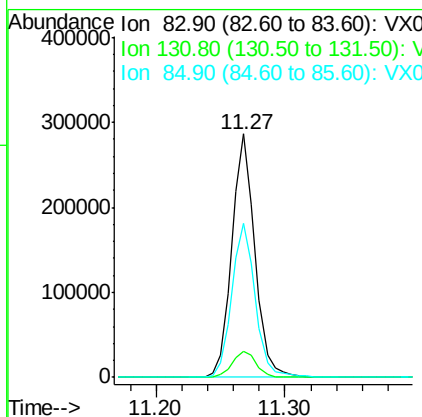
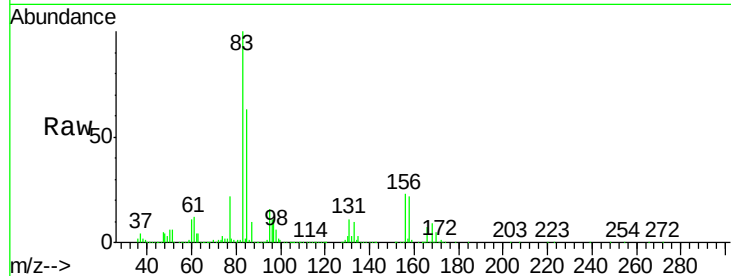
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	359209
Ion Ratio		Lower	Upper
83	100		
131	11.1	5.7	17.0
85	64.2	32.8	98.3

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2/13/2019 12:14:39 PM



#76

1,2,3-Trichloropropane

Concen: 54.195 ug/l m

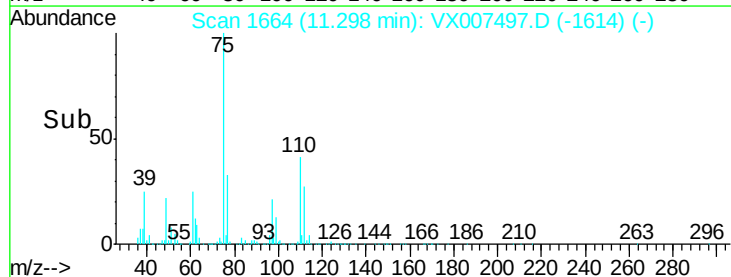
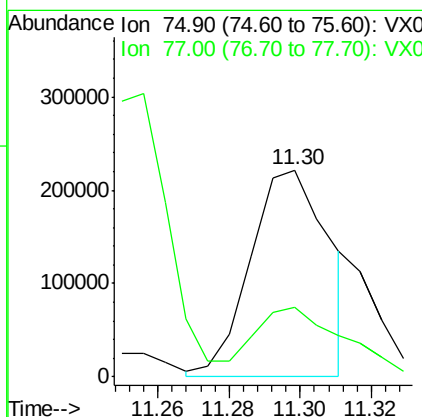
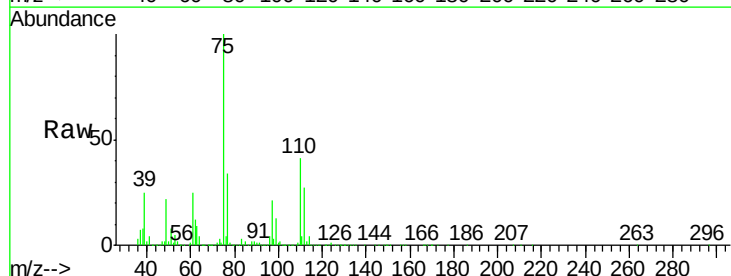
RT: 11.30 min Scan# 1664

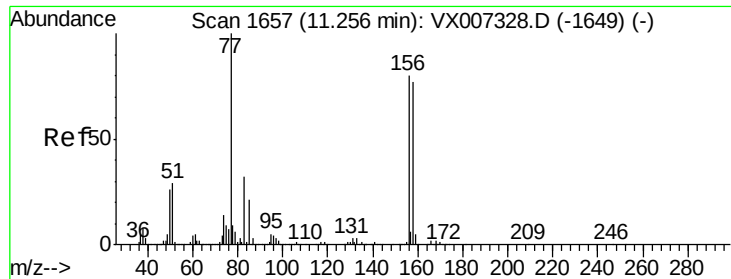
Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion:	75	Resp:	338717
Ion Ratio		Lower	Upper
75	100		
77	37.9	23.0	69.0





#77

Bromobenzene

Concen: 49.090 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 302010

Ion Ratio Lower Upper

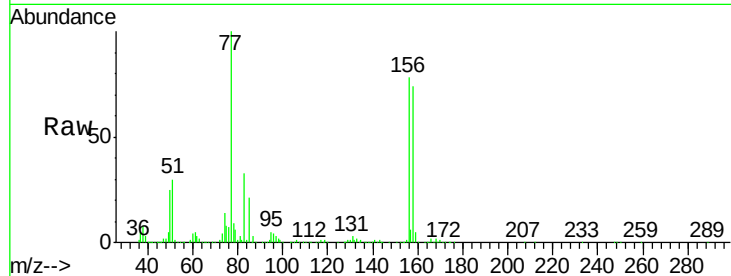
156 100

77 135.6 66.8 200.6

158 96.4 47.9 143.8

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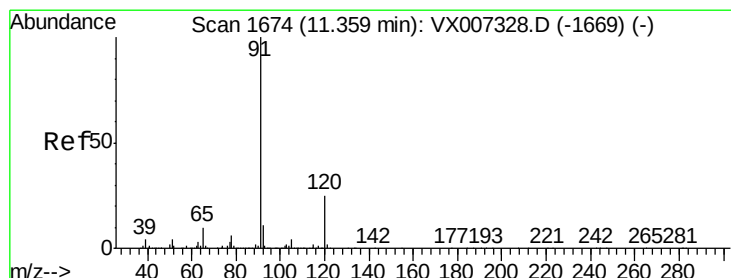
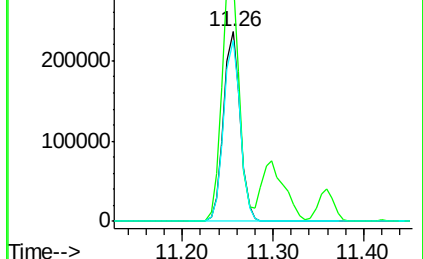
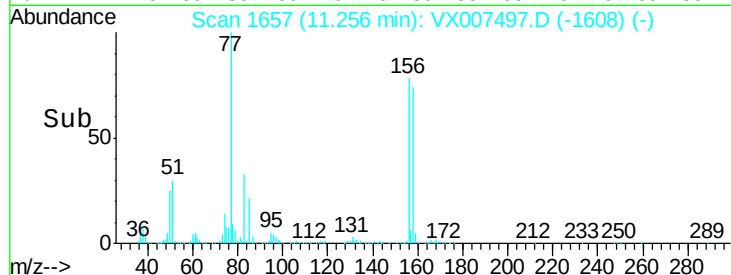
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.515 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007497.D

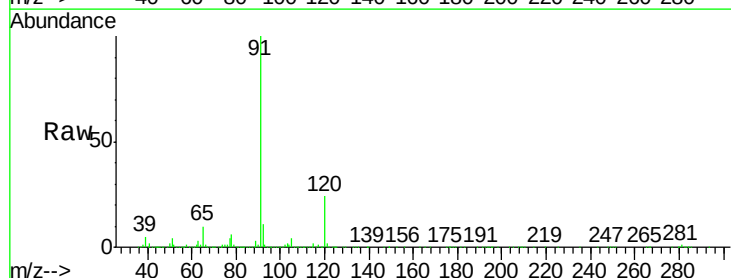
Acq: 12 Feb 2019 19:03

Tgt Ion: 91 Resp: 1233465

Ion Ratio Lower Upper

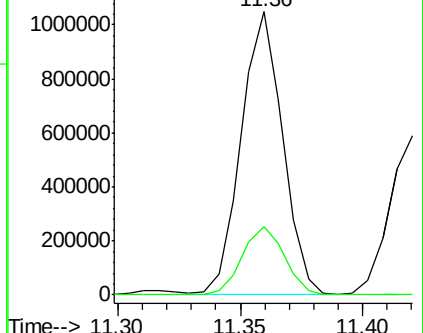
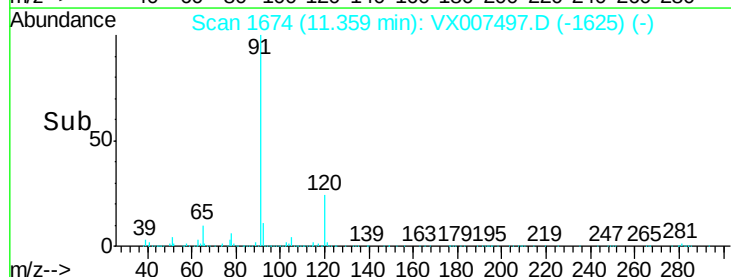
91 100

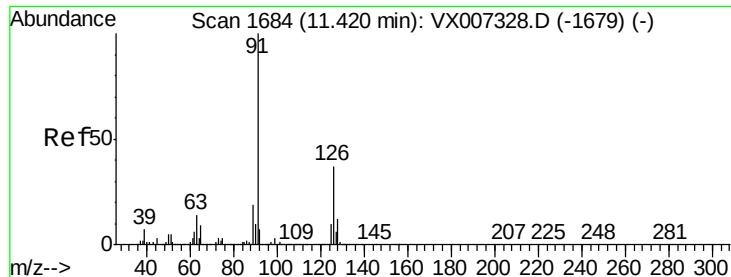
120 24.6 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.560 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 720028

Ion Ratio Lower Upper

91 100

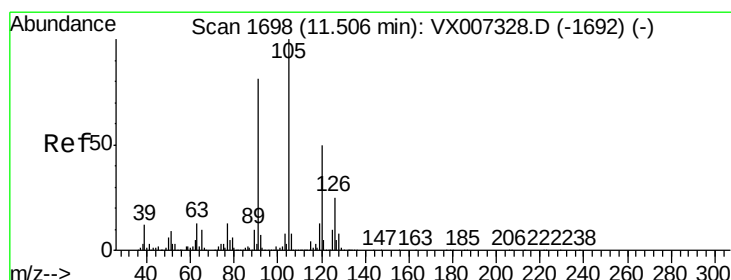
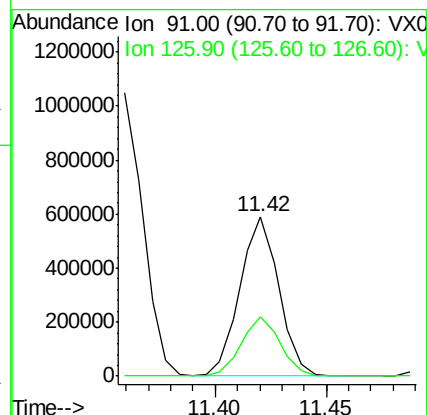
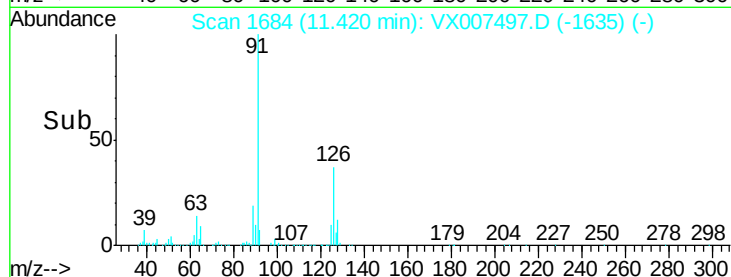
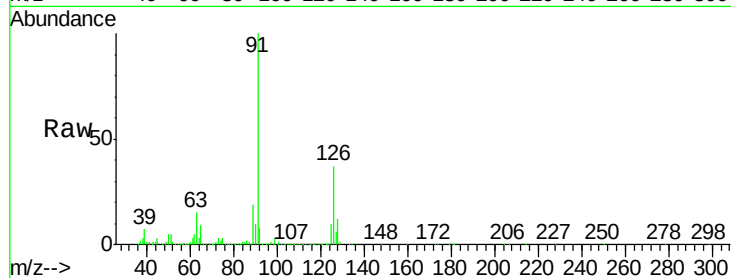
126 36.8 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.735 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007497.D

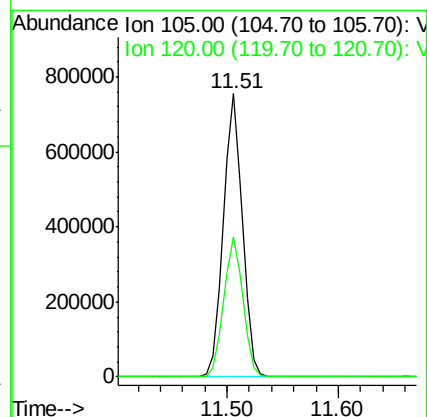
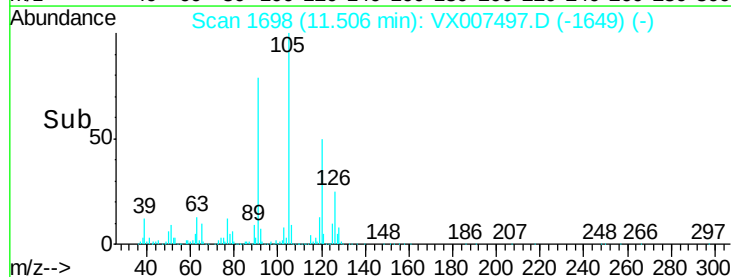
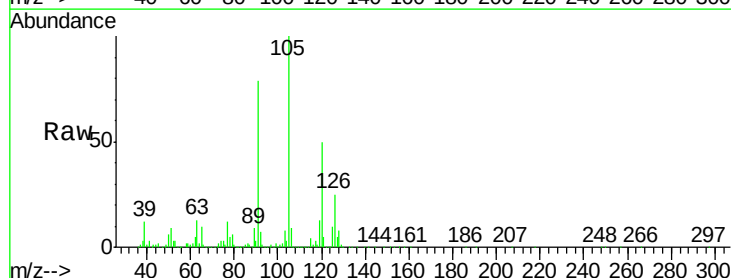
Acq: 12 Feb 2019 19:03

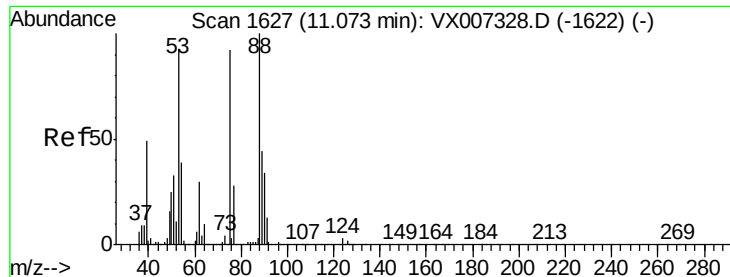
Tgt Ion: 105 Resp: 888462

Ion Ratio Lower Upper

105 100

120 49.8 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.231 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

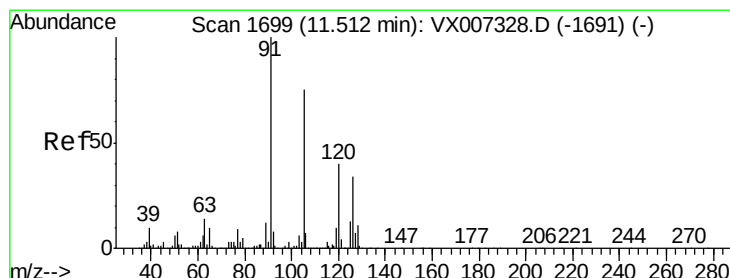
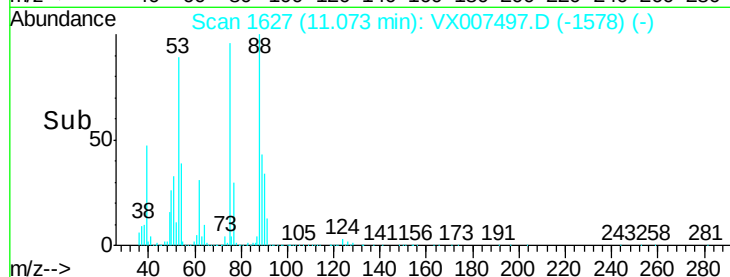
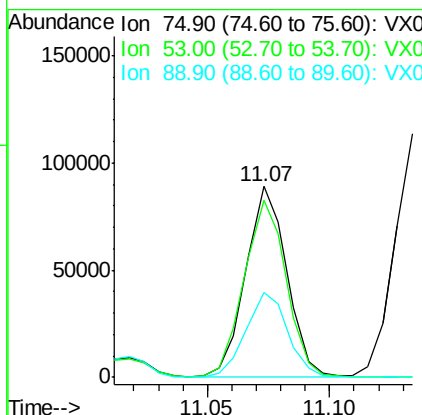
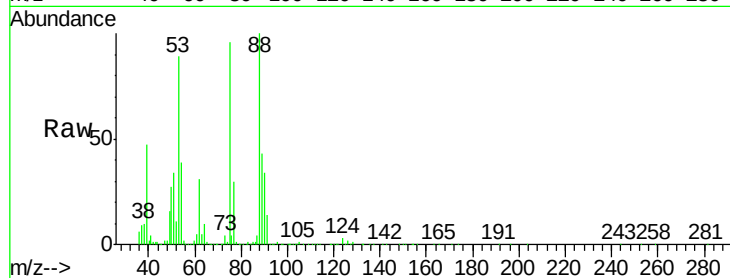
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	103822
Ion Ratio	Lower	Upper	
75	100		
53	95.6	81.0	121.6
89	45.6	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.690 ug/l

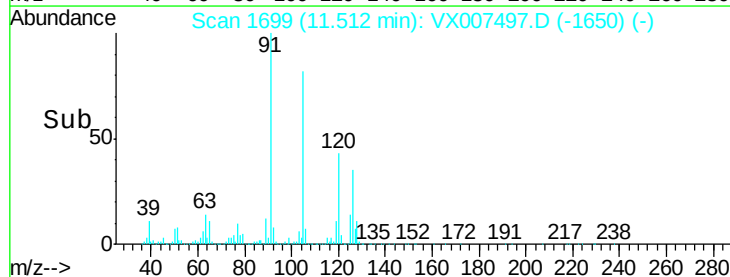
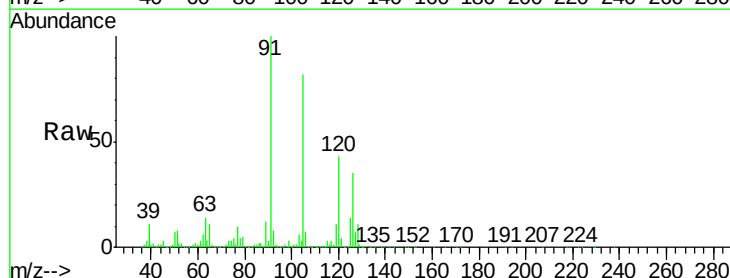
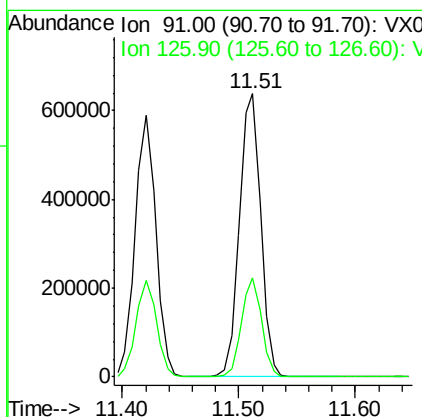
RT: 11.51 min Scan# 1699

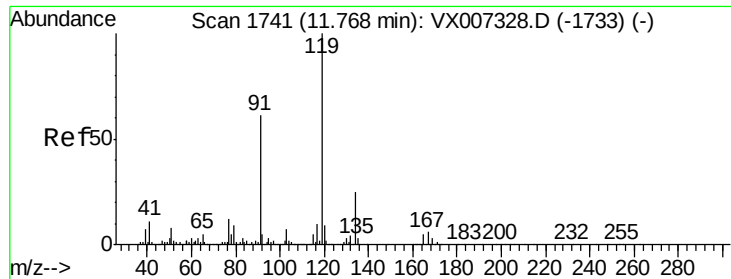
Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion:	91	Resp:	818531
Ion Ratio	Lower	Upper	
91	100		
126	33.1	16.2	48.5





#83

tert-Butylbenzene

Concen: 50.446 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

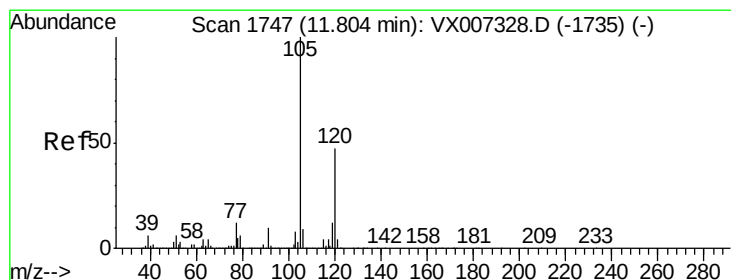
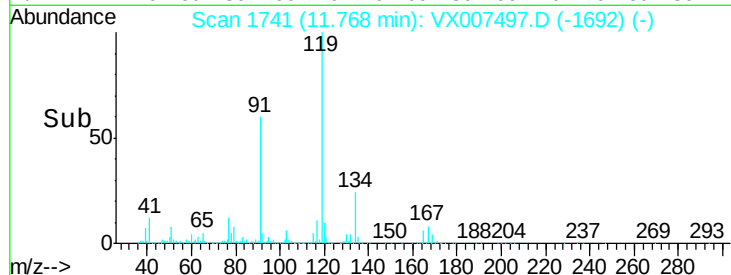
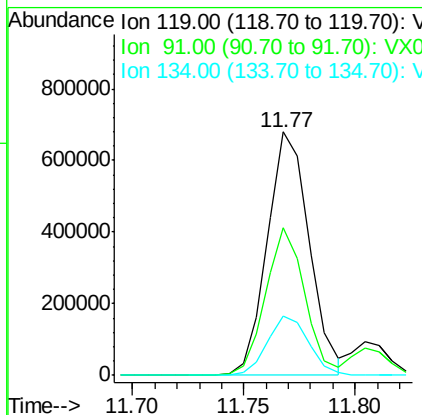
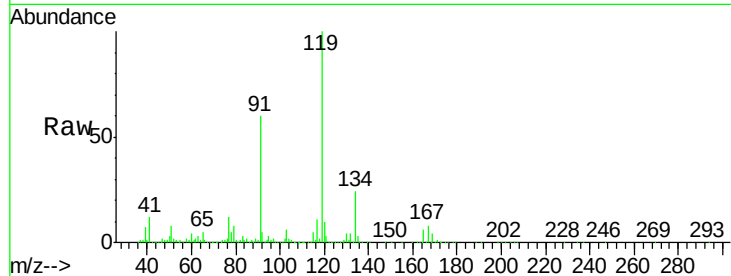
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	892203
Ion Ratio	Lower	Upper	
119	100		
91	56.3	28.5	85.6
134	23.9	12.0	36.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.661 ug/l

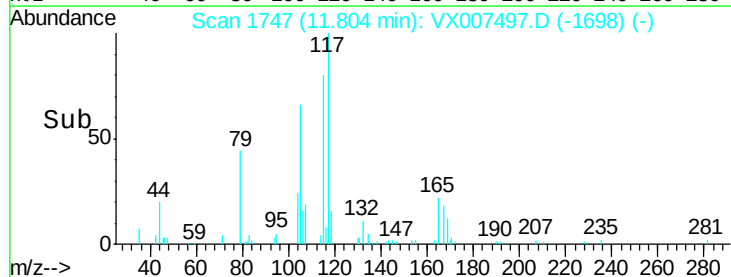
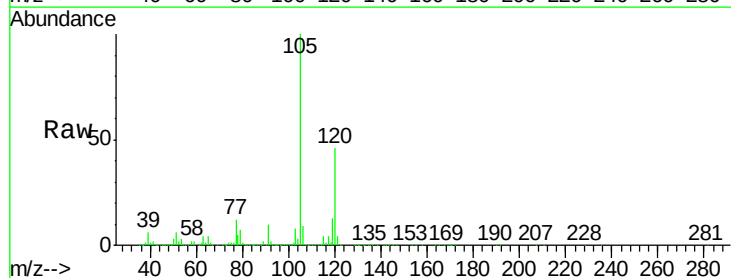
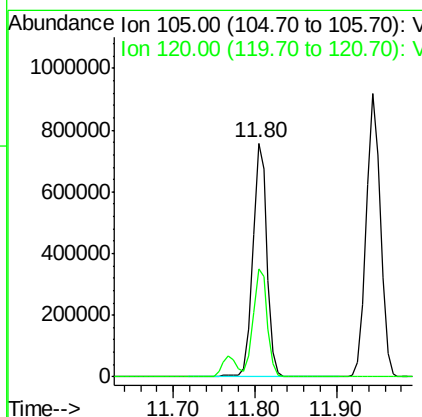
RT: 11.80 min Scan# 1747

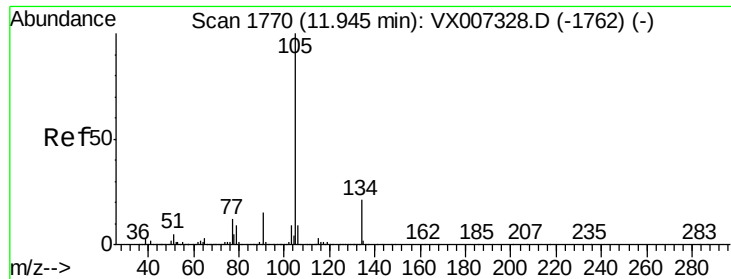
Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion:	105	Resp:	918786
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.1	69.3





#85

sec-Butylbenzene

Concen: 50.678 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1084809

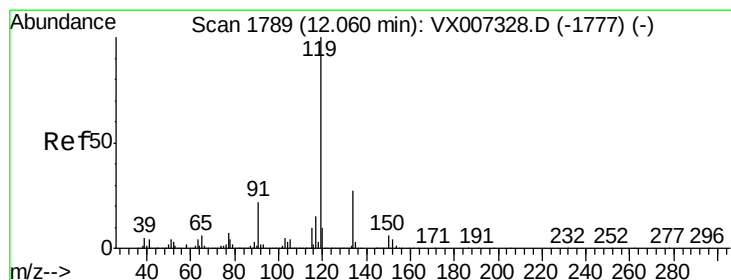
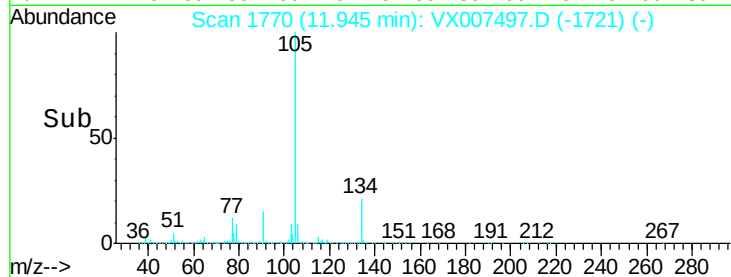
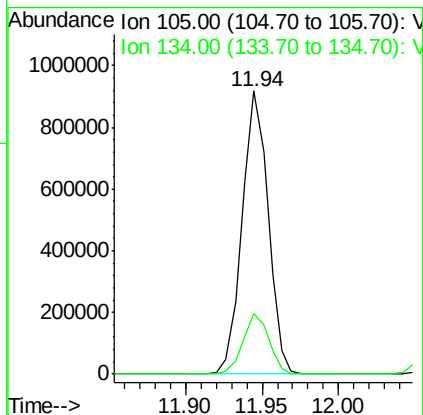
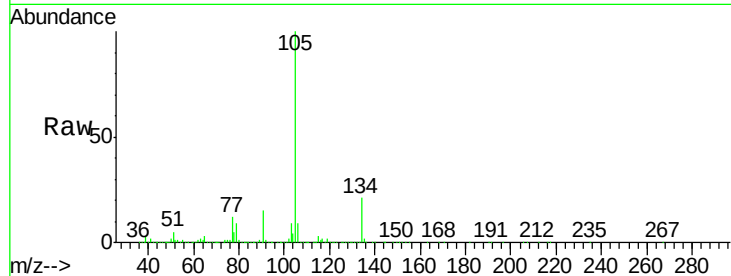
Ion Ratio Lower Upper

105 100

134 21.4 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 49.863 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

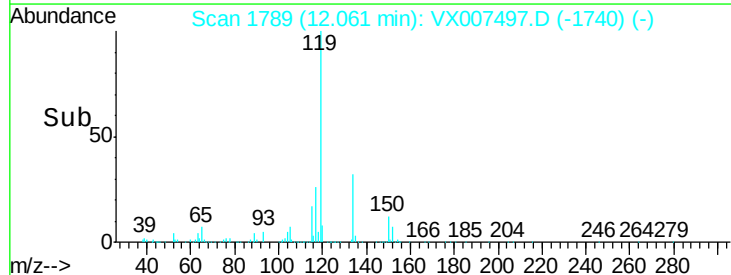
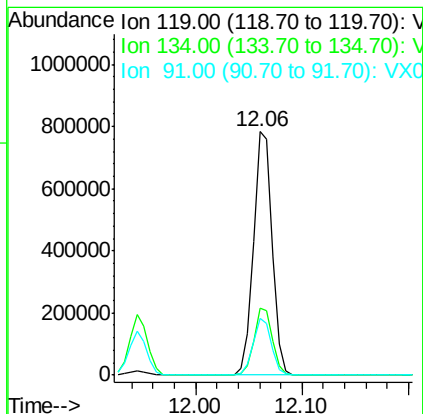
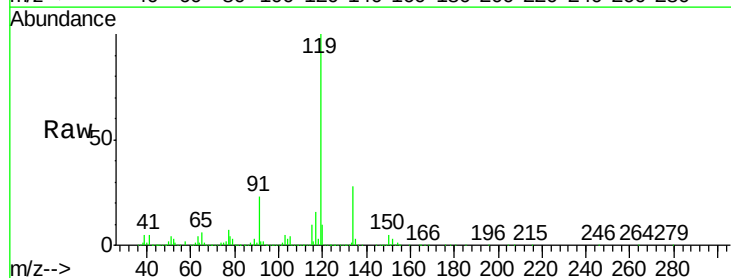
Tgt Ion:119 Resp: 963503

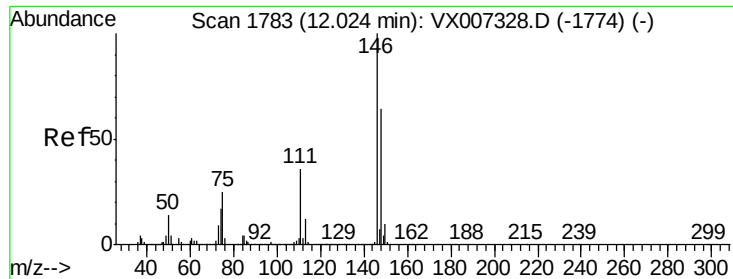
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 22.8 11.2 33.5





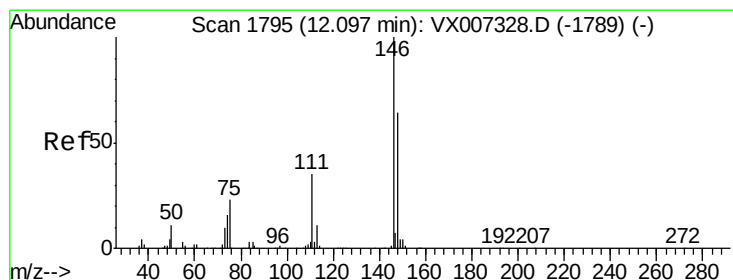
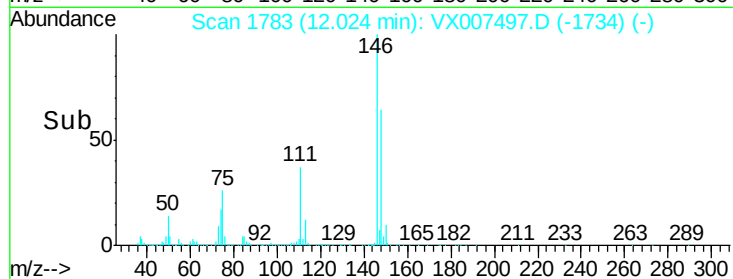
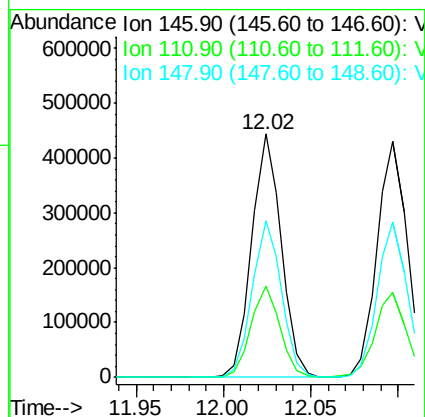
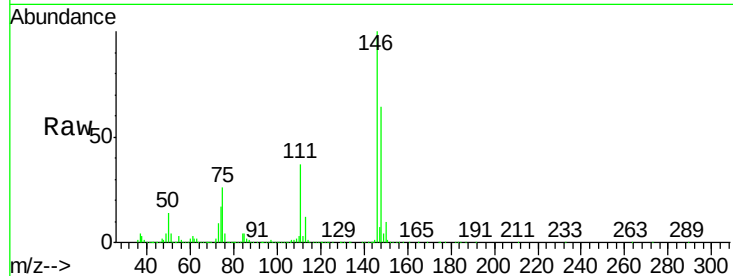
#87
 1,3-Dichlorobenzene
 Concen: 47.469 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	63.8	32.0	96.2

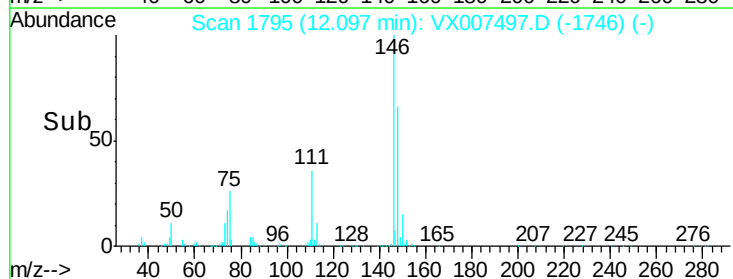
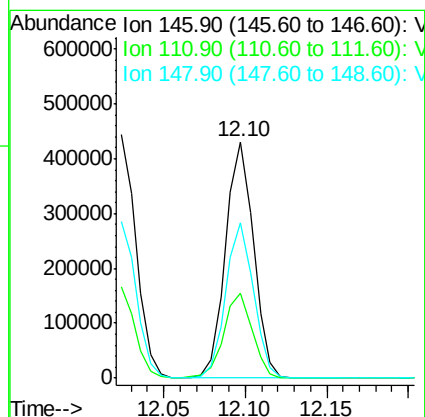
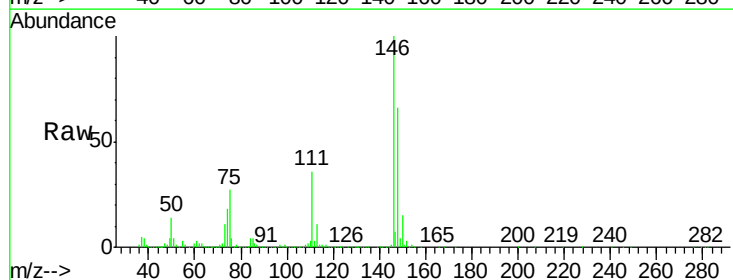
Manual Integrations
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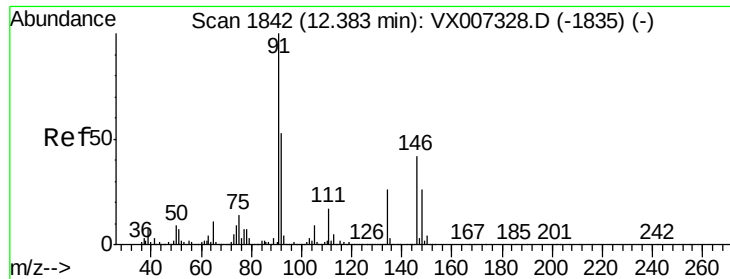
MMDadoda
 2/13/2019 12:14:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.042 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	65.1	32.3	96.9





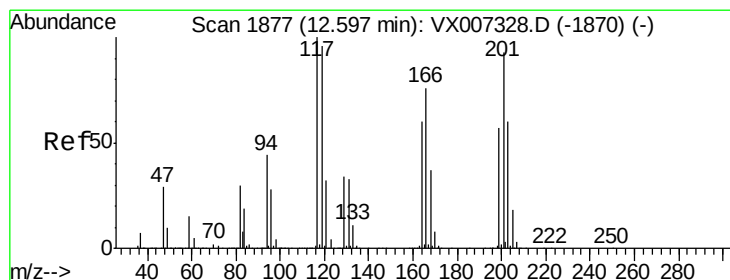
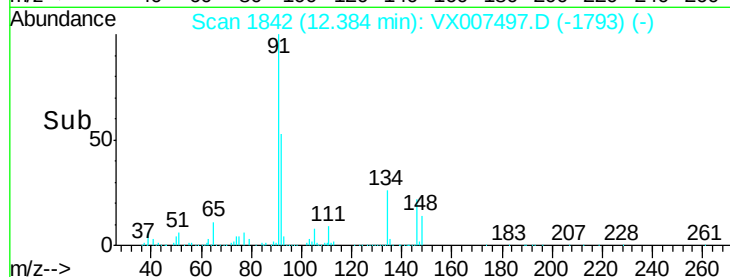
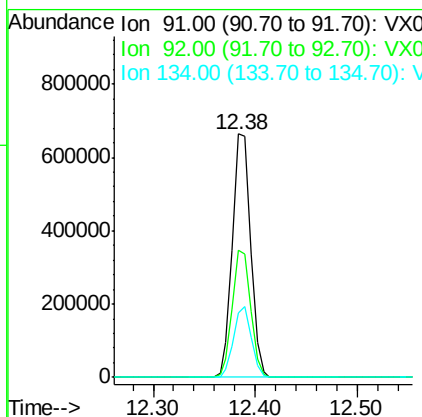
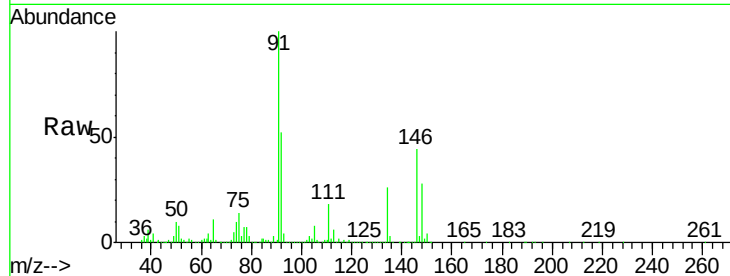
#89
n-Butylbenzene
Concen: 49.124 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	28.1	13.9	41.6

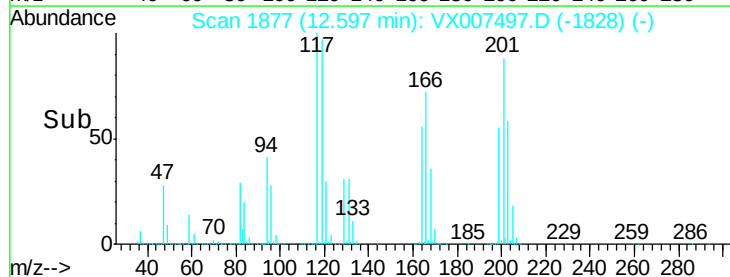
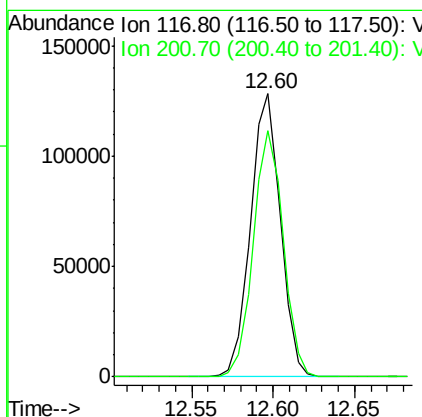
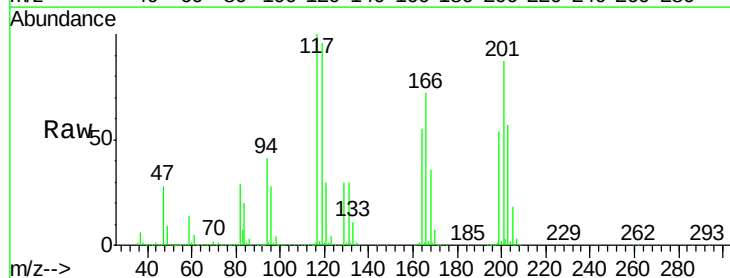
Manual Integrations
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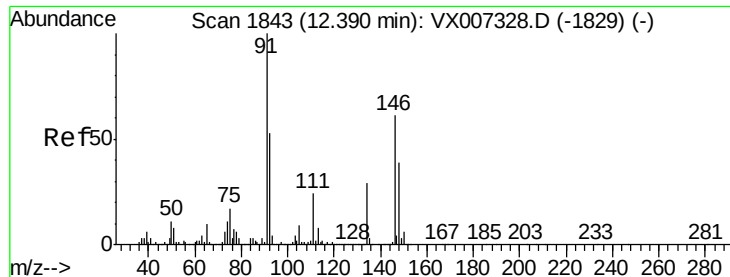
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#90
Hexachloroethane
Concen: 56.739 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	44.9	134.7





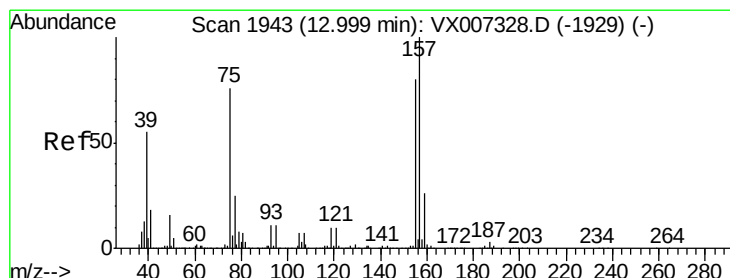
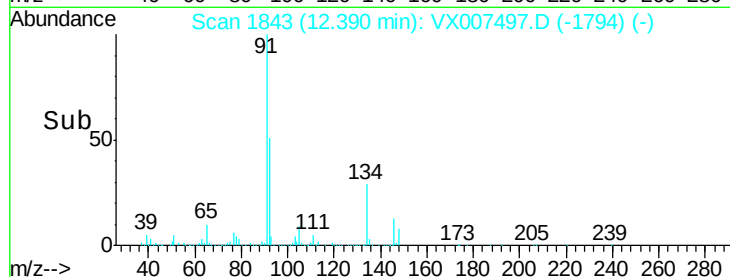
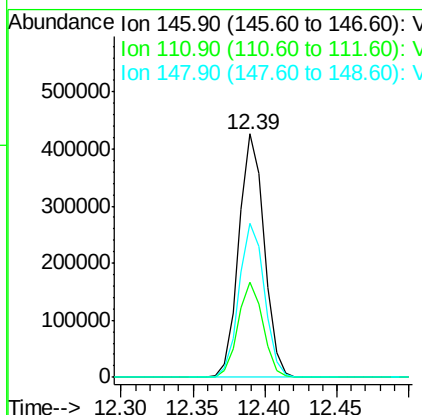
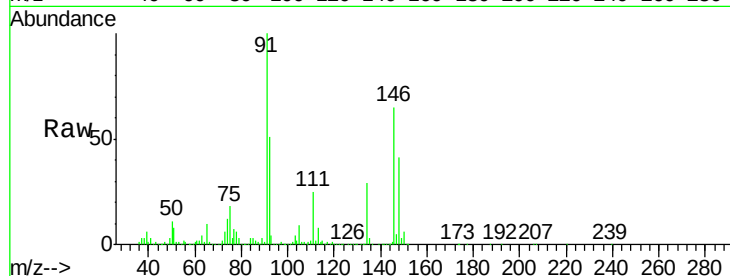
#91
 1,2-Dichlorobenzene
 Concen: 47.497 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	63.8	32.1	96.3

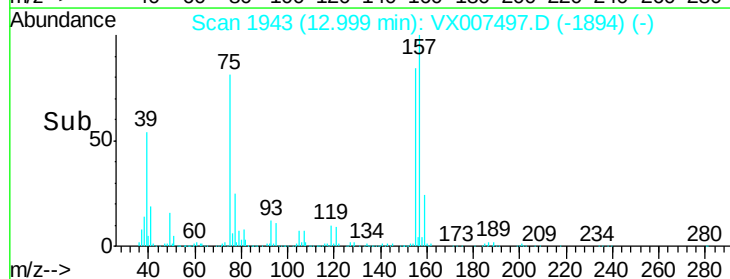
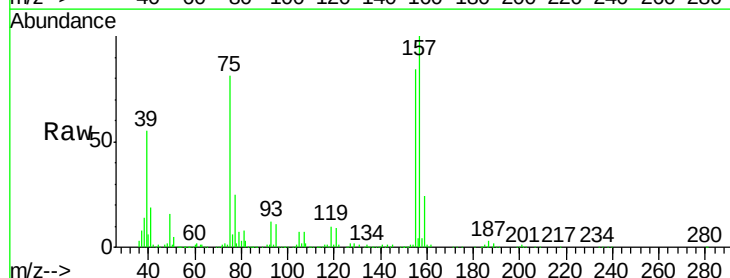
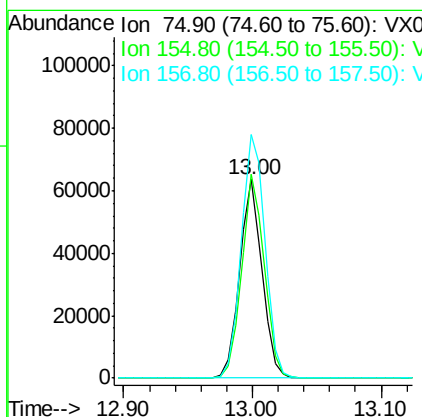
Manual Integrations
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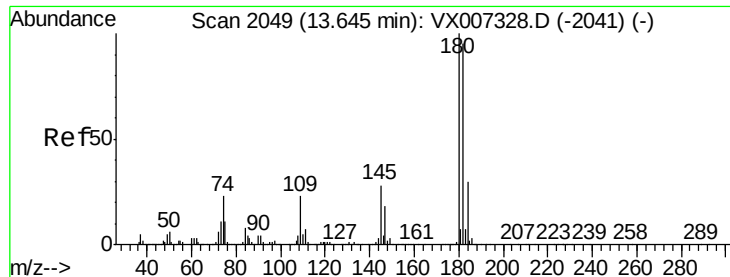
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 2/13/2019 12:14:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.269 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.9	49.6	149.0
157	129.3	65.1	195.3





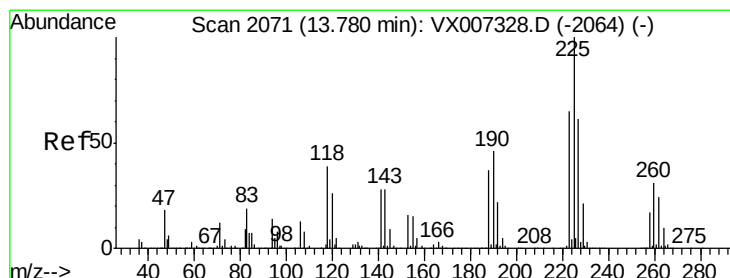
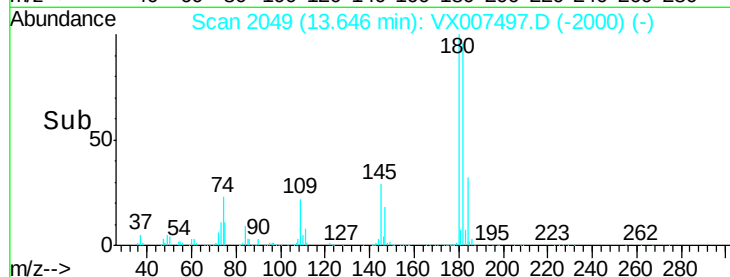
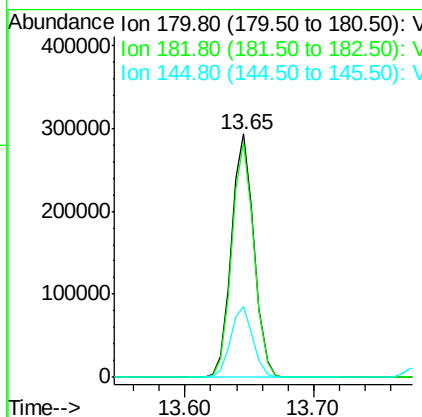
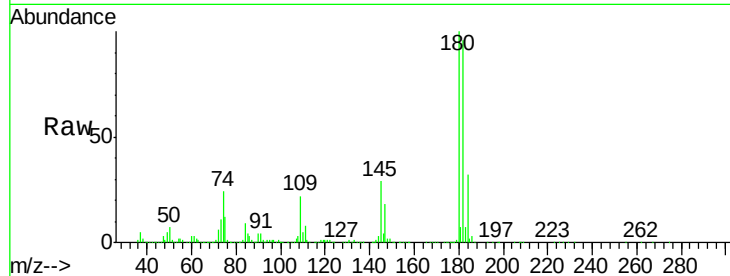
#93
 1,2,4-Trichlorobenzene
 Concen: 48.293 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	357863		
182	95.5	47.8	143.3	
145	29.0	14.1	42.2	

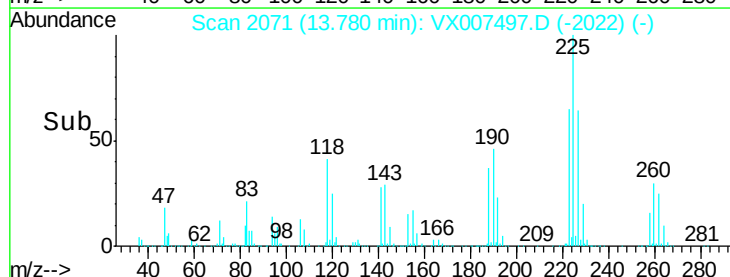
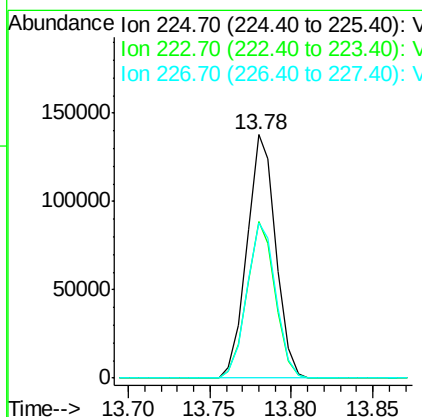
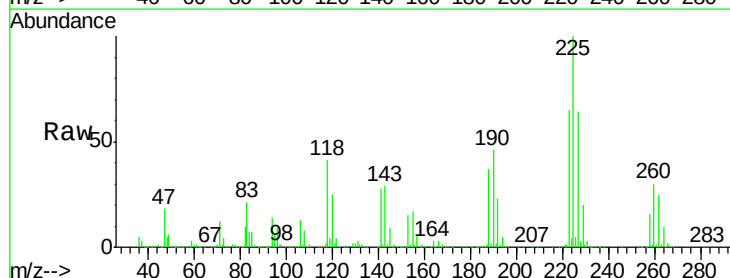
Manual Integrations
 APPROVED

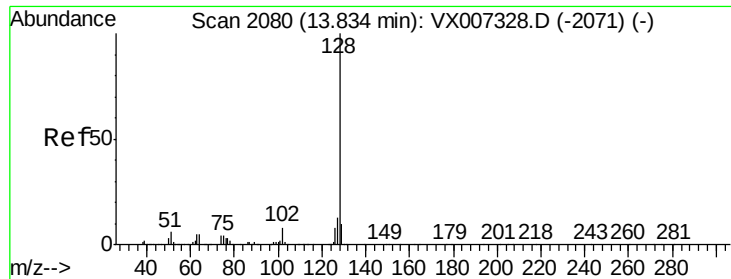
MMDadoda
 2/13/2019 12:14:39 PM



#94
 Hexachlorobutadiene
 Concen: 47.063 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	169340		
223	63.1	31.6	94.8	
227	64.2	32.1	96.3	





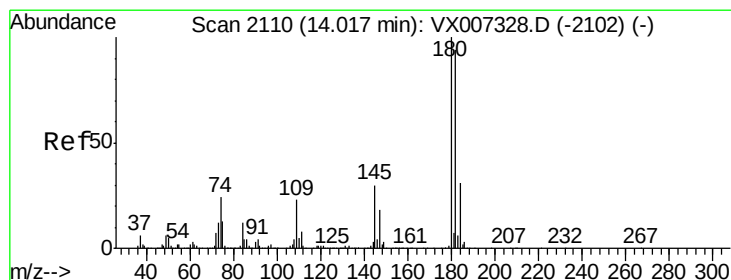
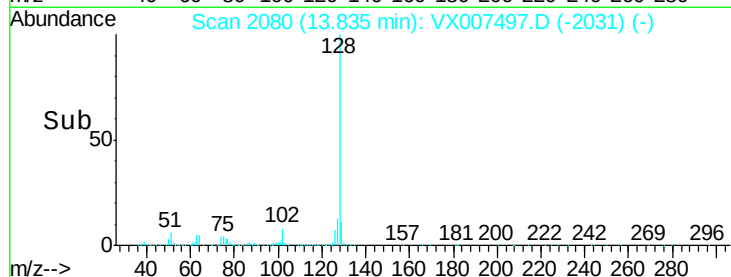
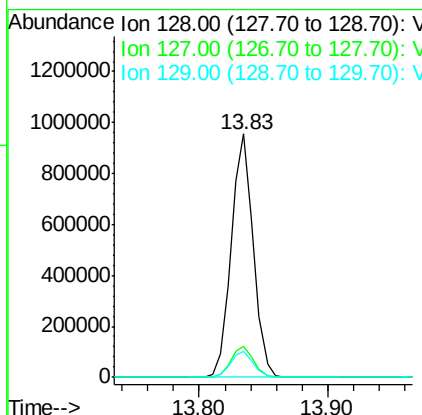
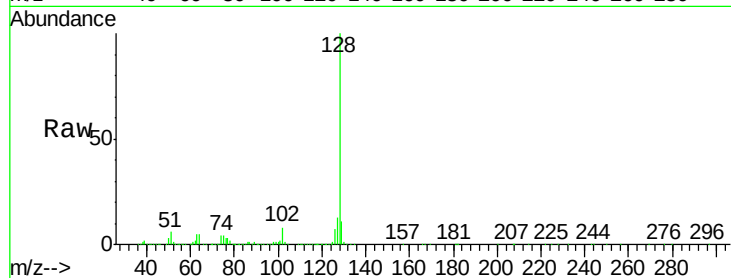
#95
Naphthalene
Concen: 52.776 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:14:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.039 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	30.6	14.9	44.5

