

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011719\
 Data File : VX007078.D
 Acq On : 17 Jan 2019 10:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 10:23:19 AM

Quant Time: Jan 18 05:32:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	520779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	752367	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	701450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	374502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	254332	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	5.50	113	230543	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	8.71	98	866591	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.13	95	320725	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	217895	50.950	ug/l	98
3) Chloromethane	1.33	50	233848	46.971	ug/l	100
4) Vinyl Chloride	1.41	62	248553	46.411	ug/l	98
5) Bromomethane	1.64	94	250247	43.736	ug/l	97
6) Chloroethane	1.71	64	163965	43.848	ug/l	100
7) Trichlorofluoromethane	1.93	101	403875	46.674	ug/l	100
8) Diethyl Ether	2.19	74	155004	45.026	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	246144	47.513	ug/l	99
10) Methyl Iodide	2.51	142	363436	52.008	ug/l	100
11) Tert butyl alcohol	3.07	59	291240	226.845	ug/l	98
12) 1,1-Dichloroethene	2.37	96	221376	46.251	ug/l	98
13) Acrolein	2.29	56	124999	226.046	ug/l	98
14) Allyl chloride	2.73	41	383372	46.736	ug/l	99
15) Acrylonitrile	3.15	53	698486	236.992	ug/l	100
16) Acetone	2.45	43	643645	239.216	ug/l	99
17) Carbon Disulfide	2.57	76	517843	42.023	ug/l	100
18) Methyl Acetate	2.78	43	371433	47.669	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	782524	47.104	ug/l	99
20) Methylene Chloride	2.85	84	253237	49.477	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	240112	45.016	ug/l	99
22) Diisopropyl ether	3.87	45	733444	47.560	ug/l	97
23) Vinyl Acetate	3.82	43	3133725	240.960	ug/l	97
24) 1,1-Dichloroethane	3.70	63	428477	49.689	ug/l	98
25) 2-Butanone	4.70	43	929812	241.515	ug/l	98
26) 2,2-Dichloropropane	4.58	77	315391	47.564	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	268310	45.605	ug/l	97
28) Bromochloromethane	5.02	49	179626	47.545	ug/l	95
29) Tetrahydrofuran	5.15	42	584292	233.533	ug/l	98
30) Chloroform	5.21	83	433471	48.012	ug/l	98
31) Cyclohexane	5.57	56	355488	46.318	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	367905	48.076	ug/l	98
36) 1,1-Dichloropropene	5.80	75	317586	48.552	ug/l	99
37) Ethyl Acetate	4.85	43	342864	48.891	ug/l	98
38) Carbon Tetrachloride	5.78	117	325000	49.383	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	404435	48.499	ug/l	98
40) Benzene	6.14	78	957358	47.966	ug/l	100
41) Methacrylonitrile	5.06	41	192765	47.715	ug/l	97
42) 1,2-Dichloroethane	6.20	62	328092	47.569	ug/l	99
43) Isopropyl Acetate	6.46	43	548130	49.552	ug/l	98
44) Trichloroethene	7.21	130	284609	47.586	ug/l	98
45) 1,2-Dichloropropane	7.51	63	246329	49.091	ug/l	98
46) Dibromomethane	7.66	93	173176	49.107	ug/l	97
47) Bromodichloromethane	7.90	83	310688	51.758	ug/l	98
48) Methyl methacrylate	7.77	41	282317	49.698	ug/l	97
49) 1,4-Dioxane	7.75	88	127927	986.000	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1821817	256.272	ug/l	99
52) Toluene	8.78	92	629832	49.096	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	348688	52.386	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	377525	51.359	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	264492	51.510	ug/l	98
56) Ethyl methacrylate	9.18	69	384055	51.234	ug/l	94
57) 1,3-Dichloropropane	9.37	76	417801	49.666	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1005827	260.972	ug/l	98
59) 2-Hexanone	9.49	43	1390165	256.611	ug/l	99
60) Dibromochloromethane	9.58	129	275704	55.296	ug/l	99
61) 1,2-Dibromoethane	9.67	107	282307	49.941	ug/l	99
64) Tetrachloroethene	9.34	164	297872	49.049	ug/l	97
65) Chlorobenzene	10.13	112	743458	48.595	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	267688	52.013	ug/l	99
67) Ethyl Benzene	10.25	91	1241331	49.148	ug/l	100
68) m/p-Xylenes	10.36	106	986445	99.132	ug/l	100
69) o-Xylene	10.69	106	475929	49.042	ug/l	97
70) Styrene	10.71	104	769831	50.087	ug/l	98
71) Bromoform	10.86	173	207789	45.588	ug/l #	100
73) Isopropylbenzene	11.02	105	1281098	48.512	ug/l	99
74) N-amyl acetate	10.90	43	502811	47.291	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	387219	46.188	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	369588m	48.700	ug/l	
77) Bromobenzene	11.26	156	345332	47.460	ug/l	99
78) n-propylbenzene	11.36	91	1451580	50.072	ug/l	99
79) 2-Chlorotoluene	11.42	91	841993	48.250	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1063316	48.189	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	109703	44.106	ug/l	99
82) 4-Chlorotoluene	11.51	91	984417	48.721	ug/l	100
83) tert-Butylbenzene	11.77	119	1050740	47.727	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1094852	49.342	ug/l	100
85) sec-Butylbenzene	11.94	105	1313802	49.969	ug/l	100
86) p-Isopropyltoluene	12.06	119	1179087	50.136	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	627762	47.732	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	626947	50.312	ug/l	100
89) n-Butylbenzene	12.38	91	1023849	51.070	ug/l	99
90) Hexachloroethane	12.60	117	180205	48.114	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	608251	46.865	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	81644	49.241	ug/l	99

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ClientSampleId :
VSTDCCC050

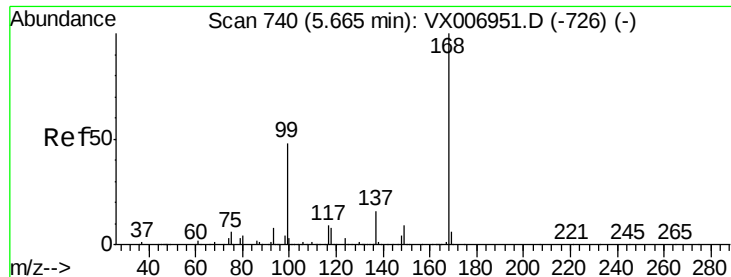
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	438927	49.293	ug/l	99
94) Hexachlorobutadiene	13.78	225	201814	51.073	ug/l	99
95) Naphthalene	13.83	128	1313269	48.671	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	433921	49.055	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. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 520779

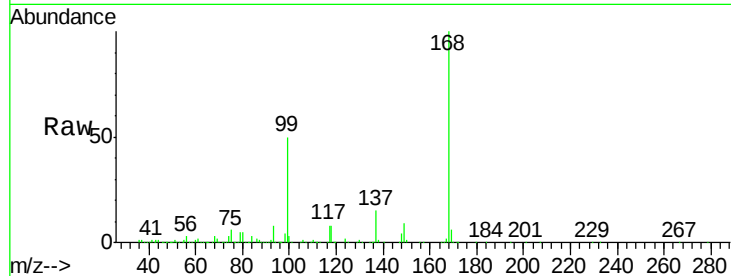
Ion Ratio Lower Upper

168 100

99 49.4 41.8 62.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

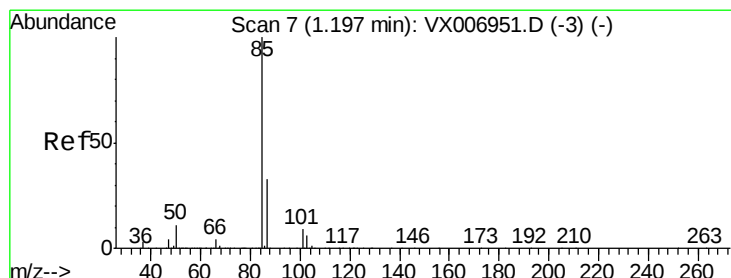
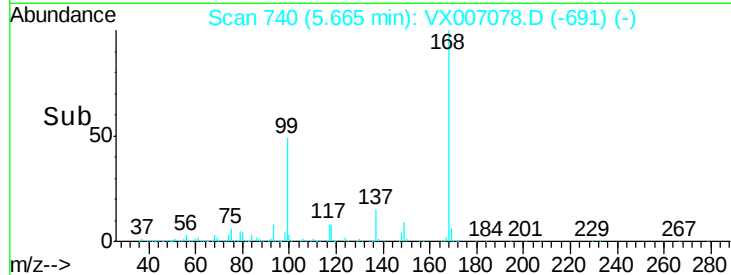
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.950 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007078.D

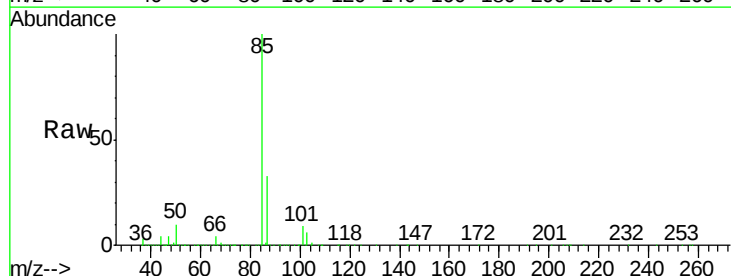
Acq: 17 Jan 2019 10:14

Tgt Ion: 85 Resp: 217895

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

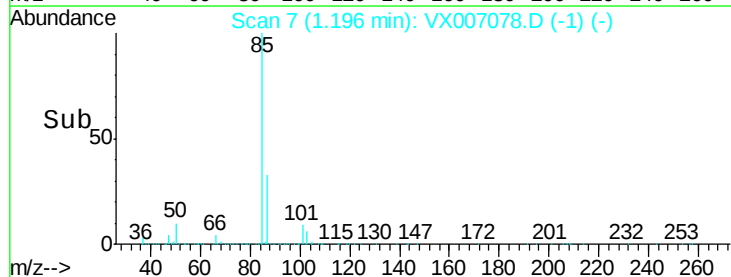
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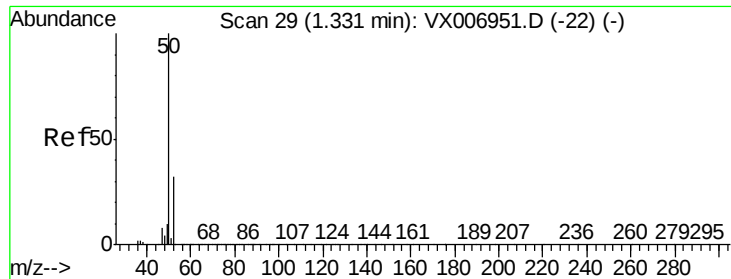
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.971 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 233848

Ion Ratio Lower Upper

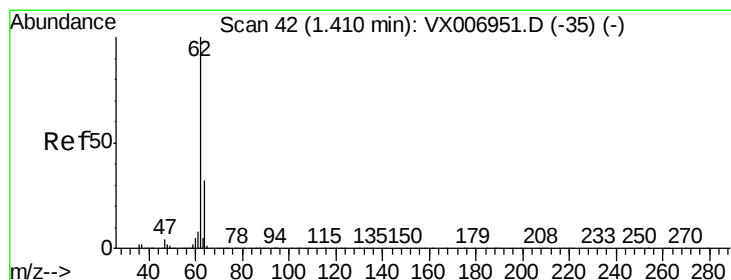
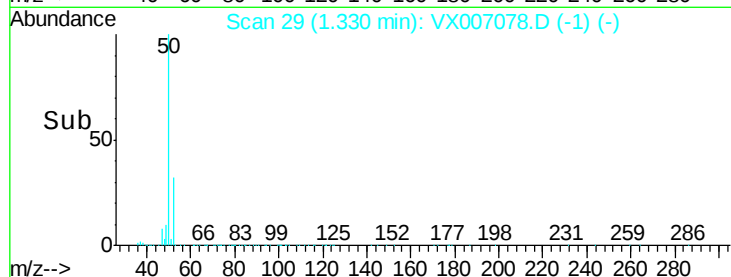
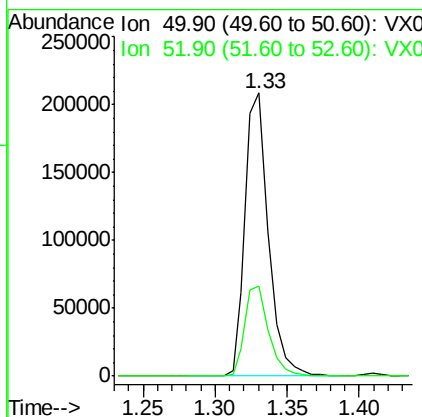
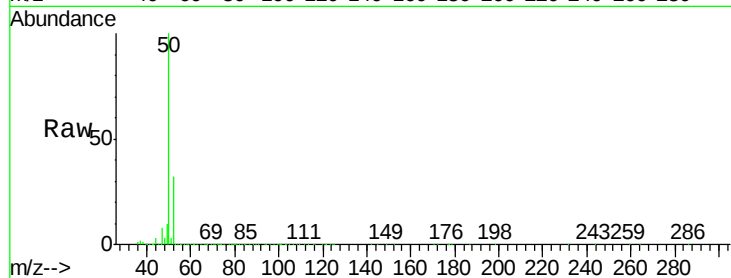
50 100

52 31.7 25.4 38.2

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#4

Vinyl Chloride

Concen: 46.411 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007078.D

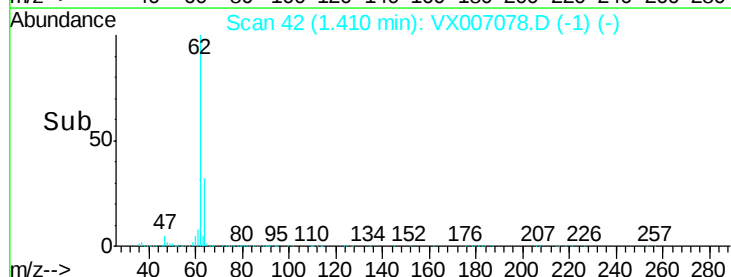
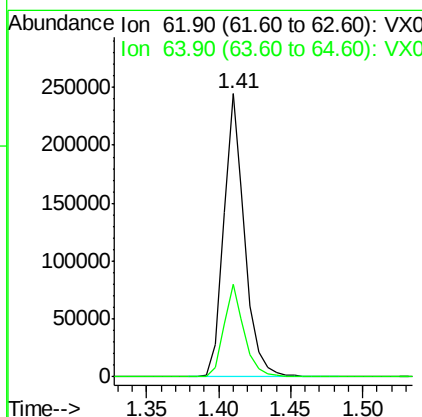
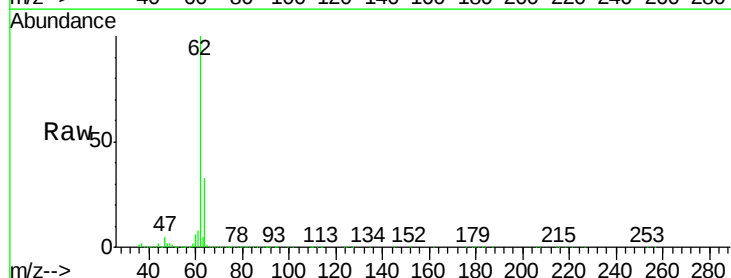
Acq: 17 Jan 2019 10:14

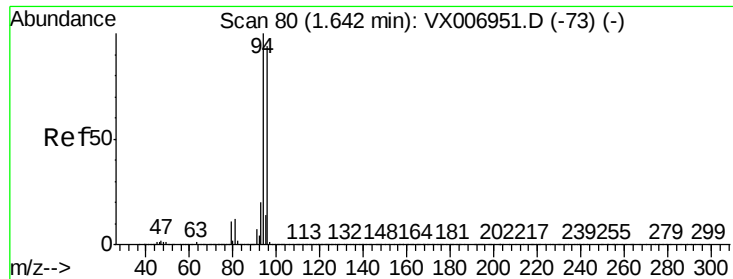
Tgt Ion: 62 Resp: 248553

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 43.736 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 250247

Ion Ratio Lower Upper

94 100

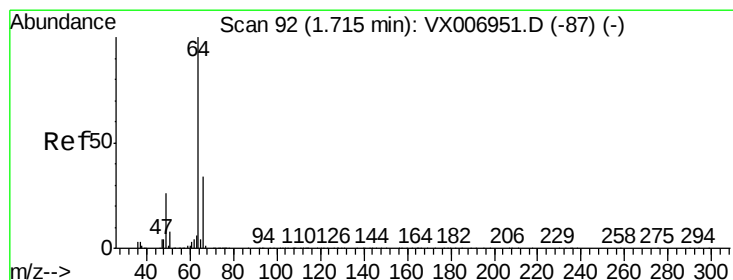
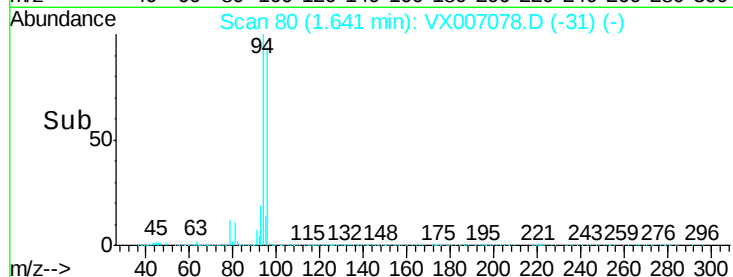
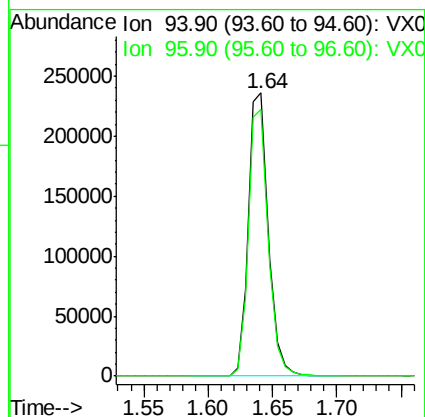
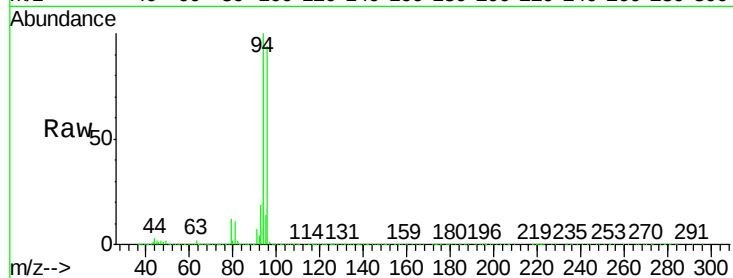
96 94.2 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 43.848 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007078.D

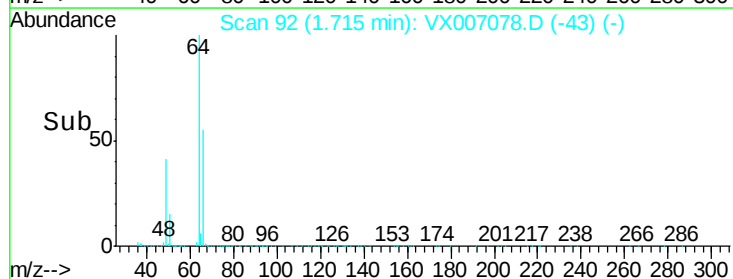
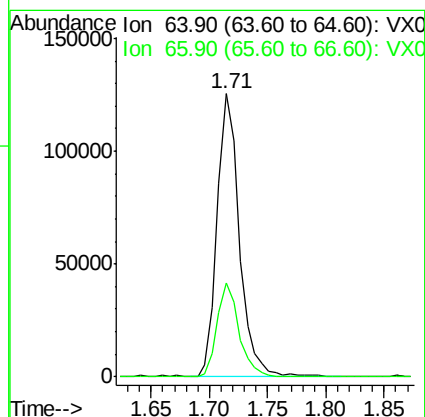
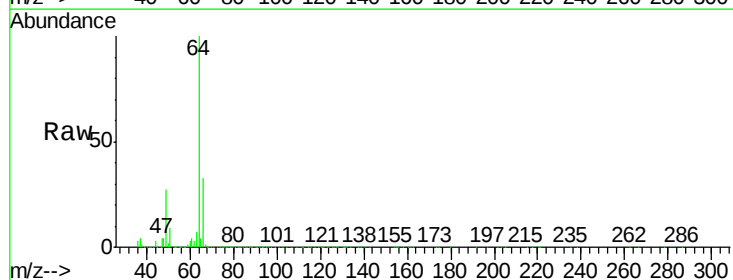
Acq: 17 Jan 2019 10:14

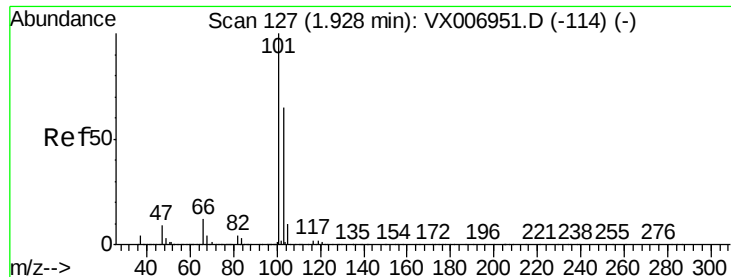
Tgt Ion: 64 Resp: 163965

Ion Ratio Lower Upper

64 100

66 33.1 26.4 39.6





#7

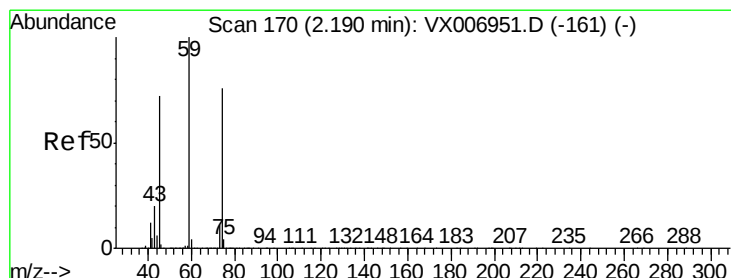
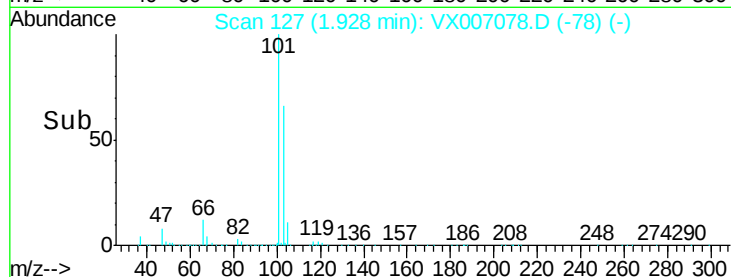
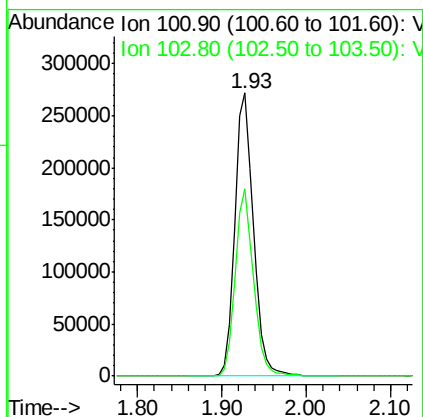
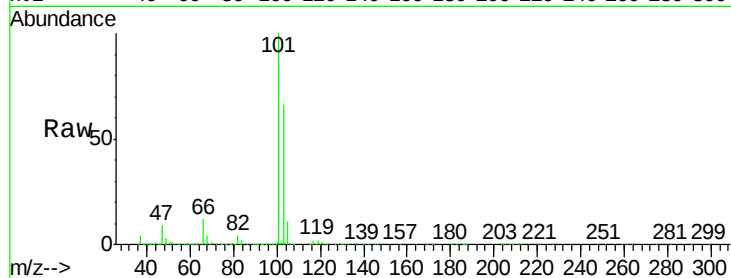
Trichlorofluoromethane
Concen: 46.674 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.2	79.8

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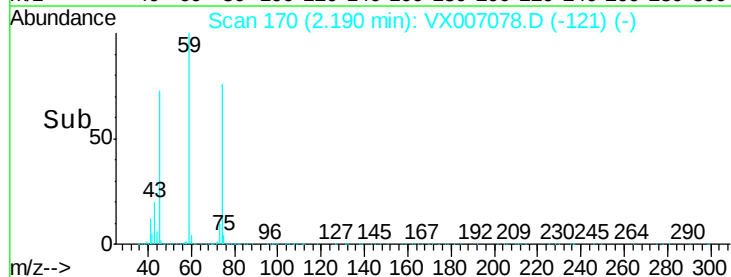
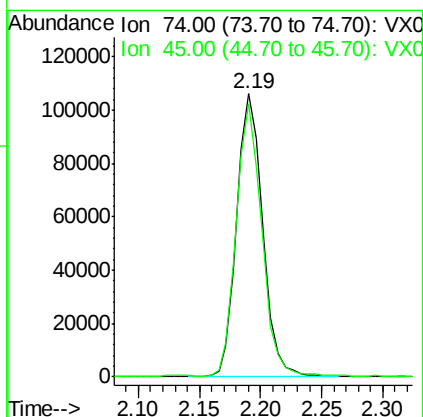
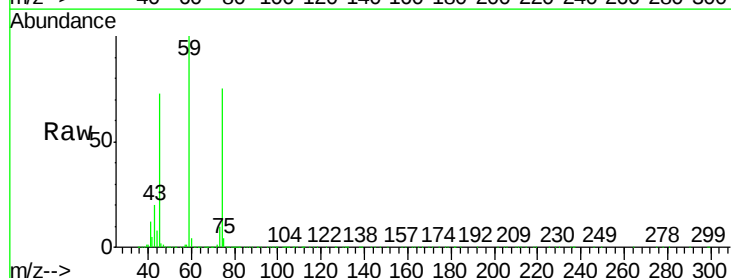
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1/18/2019 10:23:19 AM

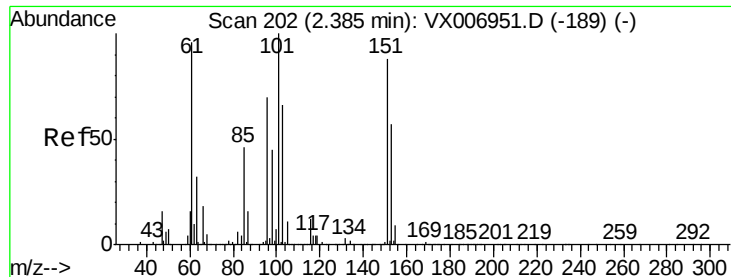


#8

Diethyl Ether
Concen: 45.026 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.513 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

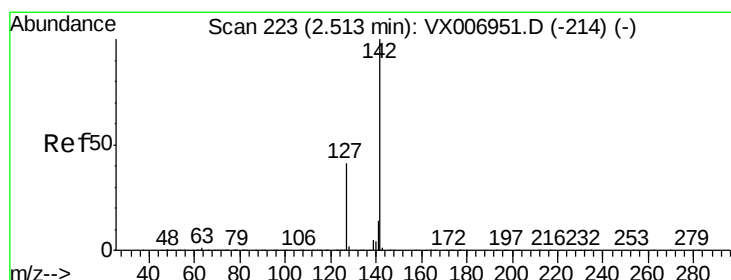
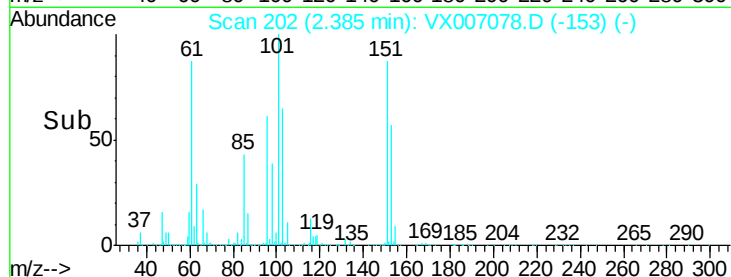
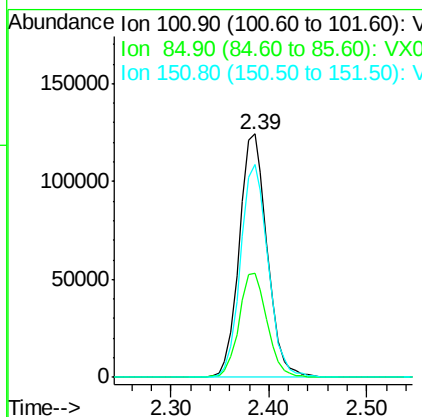
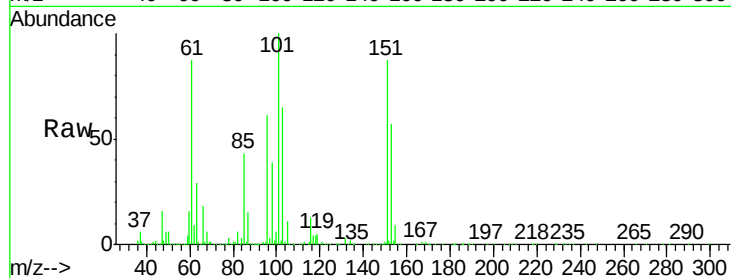
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	246144
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.1	52.7
151	86.6	68.9	103.3

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#10

Methyl Iodide

Concen: 52.008 ug/l

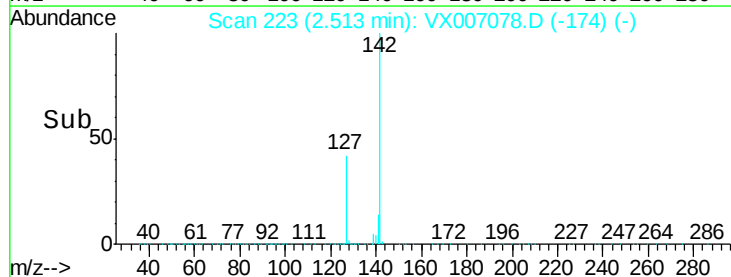
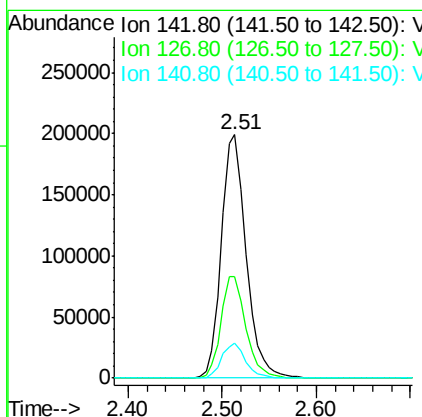
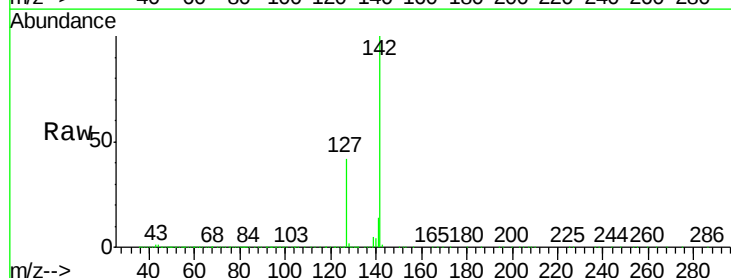
RT: 2.51 min Scan# 223

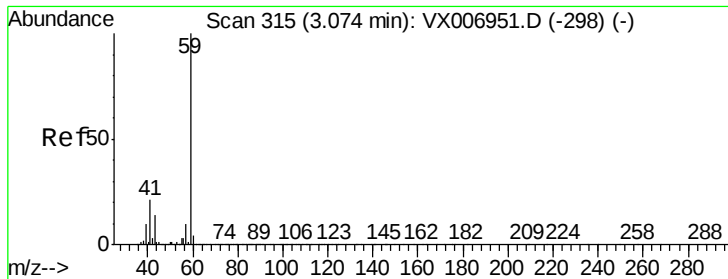
Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion:	142	Resp:	363436
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.9	50.9
141	14.0	11.4	17.0





#11

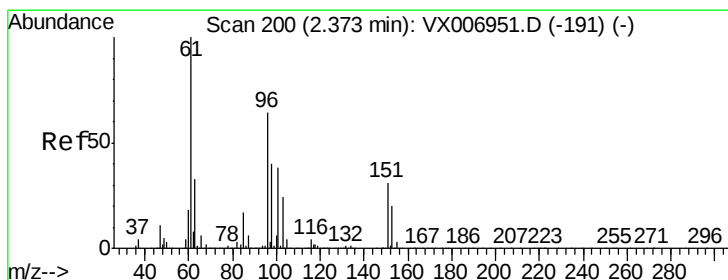
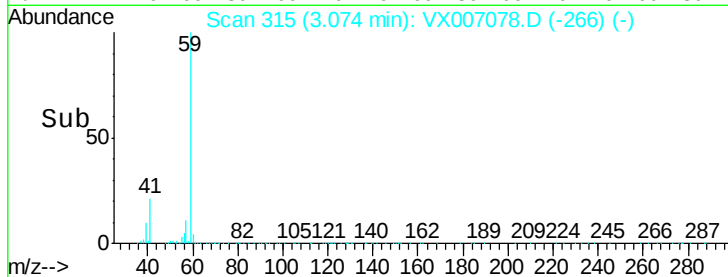
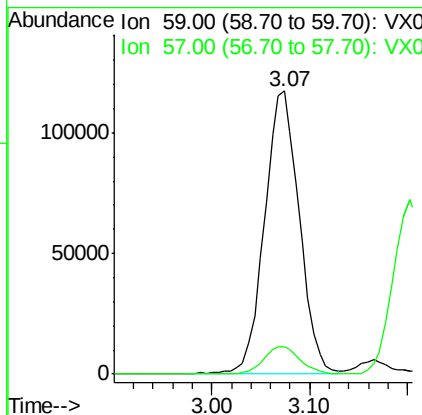
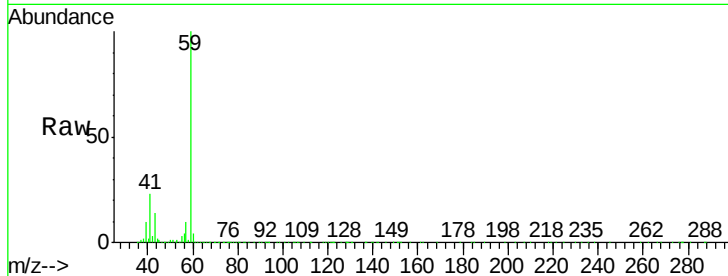
Tert butyl alcohol
Concen: 226.845 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

Manual Integrations
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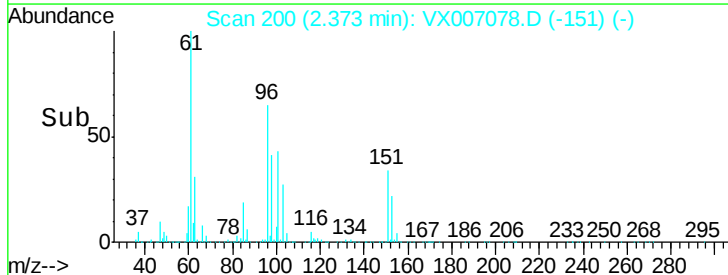
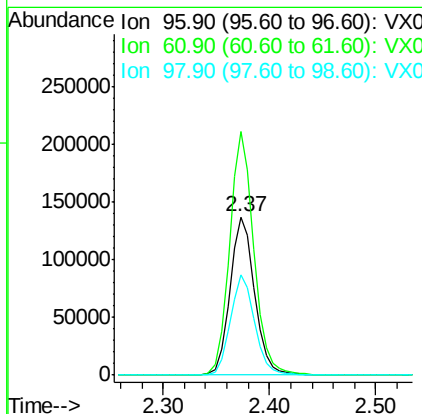
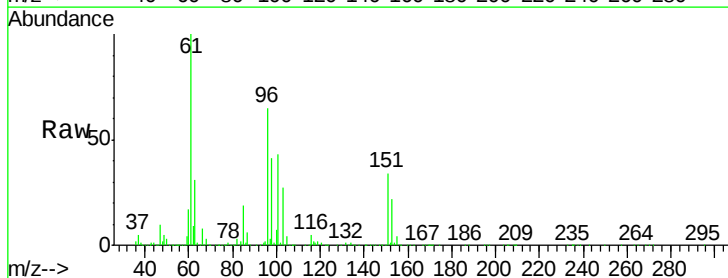
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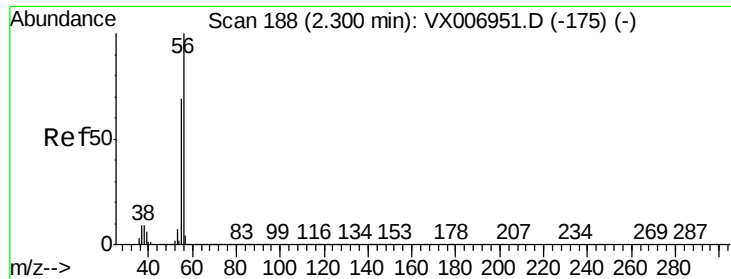


#12

1,1-Dichloroethene
Concen: 46.251 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.3	121.4	182.2
98	63.9	51.9	77.9





#13

Acrolein

Concen: 226.046 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 124999

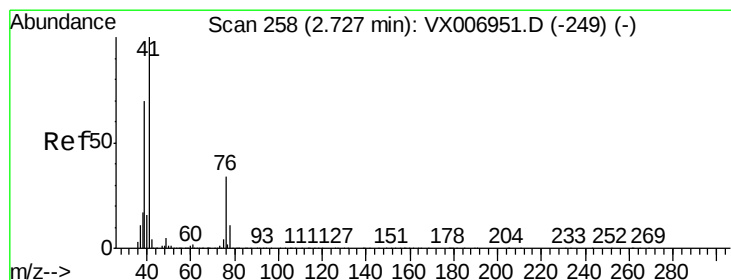
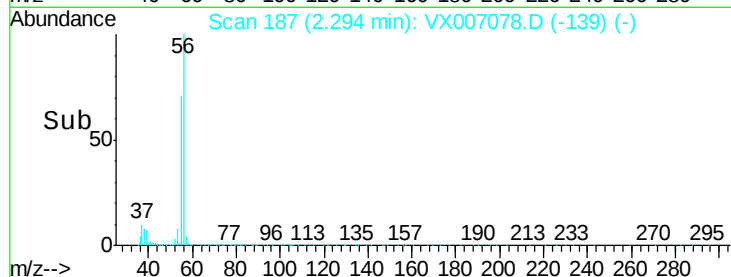
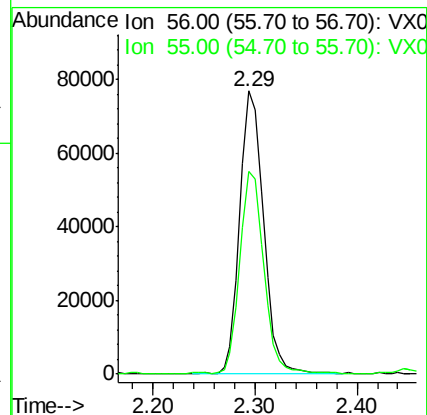
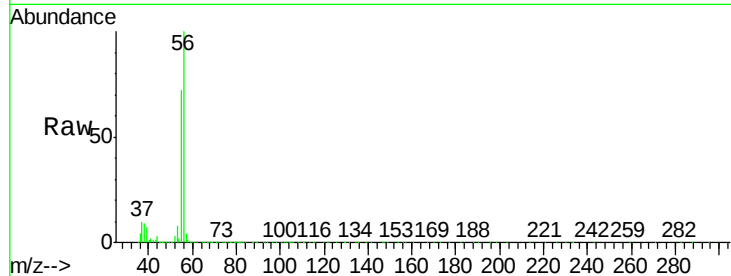
Ion Ratio Lower Upper

56 100

55 71.0 58.2 87.4

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#14

Allyl chloride

Concen: 46.736 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

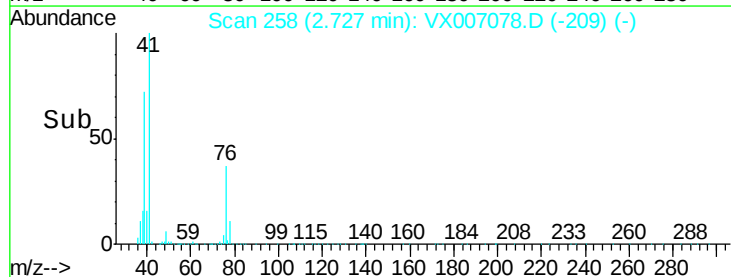
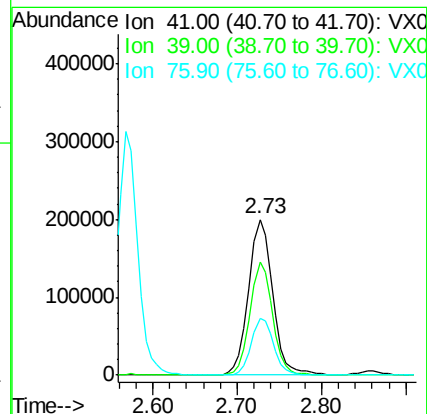
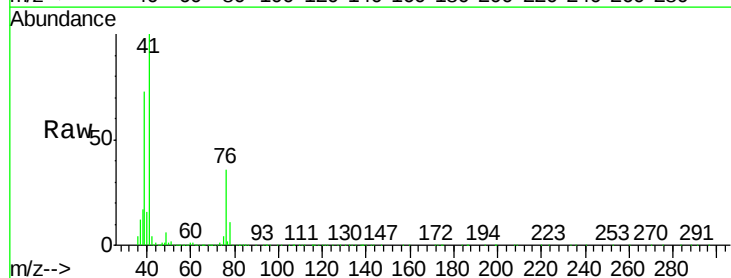
Tgt Ion: 41 Resp: 383372

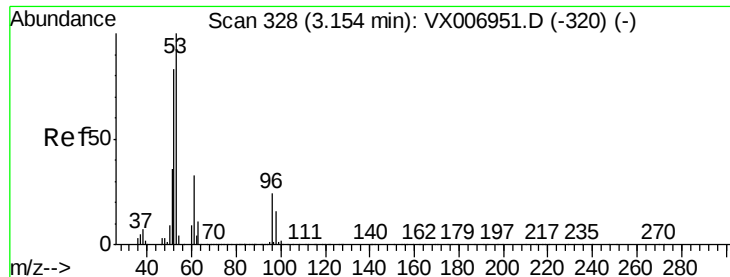
Ion Ratio Lower Upper

41 100

39 67.7 53.6 80.4

76 33.8 27.4 41.2





#15

Acrylonitrile

Concen: 236.992 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

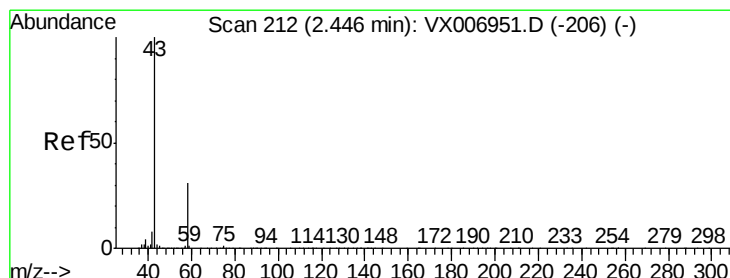
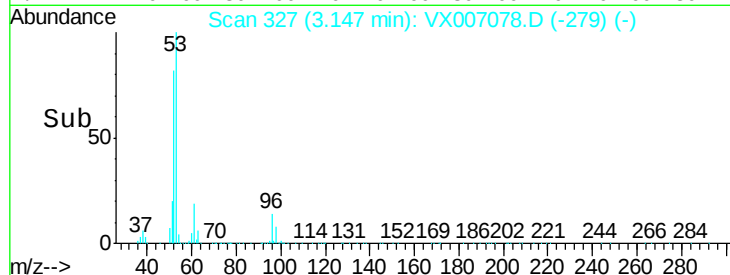
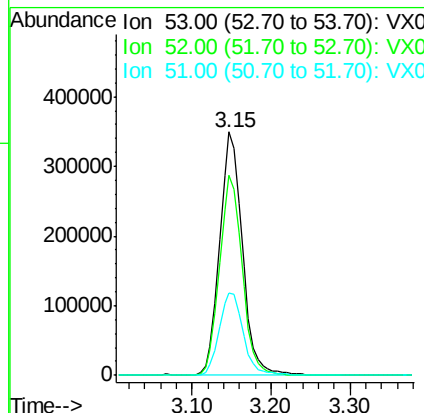
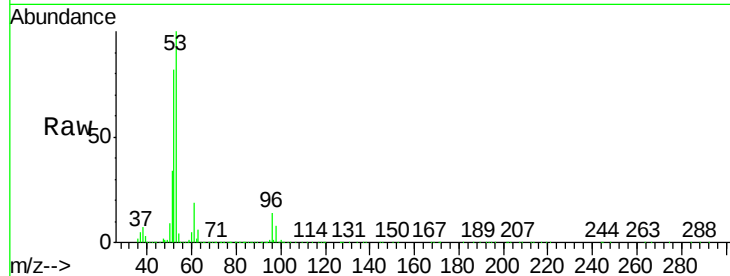
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	698486
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.0	99.0
51	35.9	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 239.216 ug/l

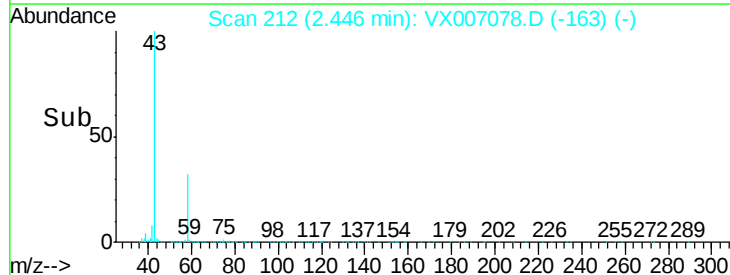
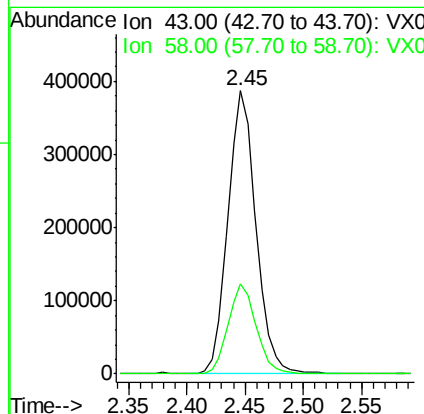
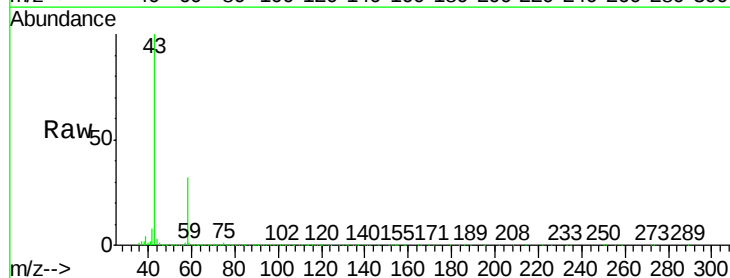
RT: 2.45 min Scan# 212

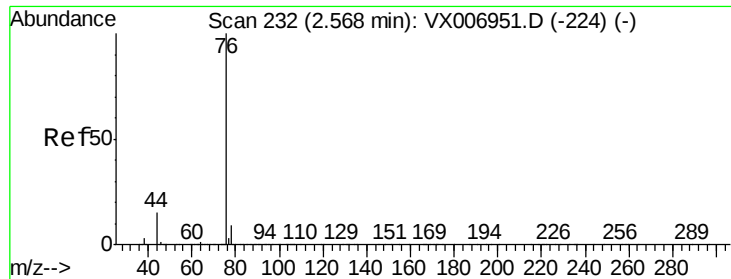
Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion:	43	Resp:	643645
Ion Ratio	Lower	Upper	
43	100		
58	31.8	25.0	37.6





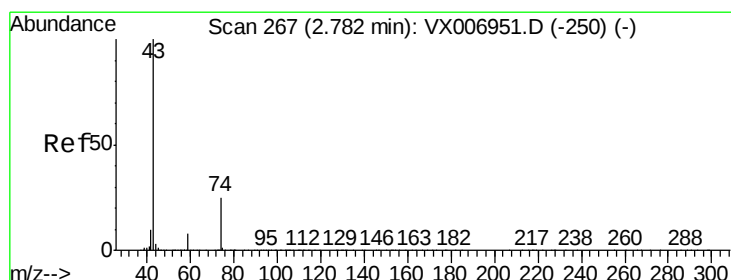
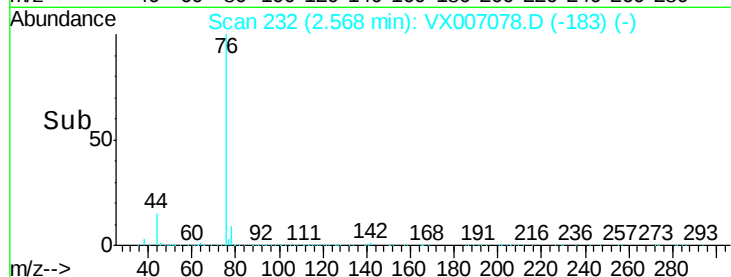
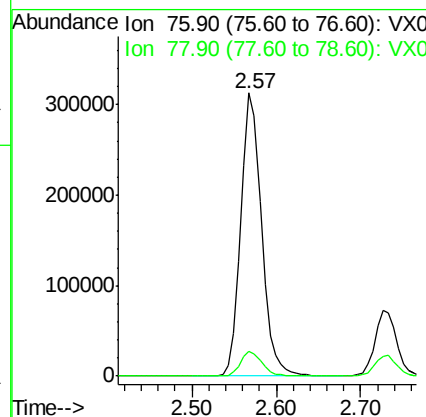
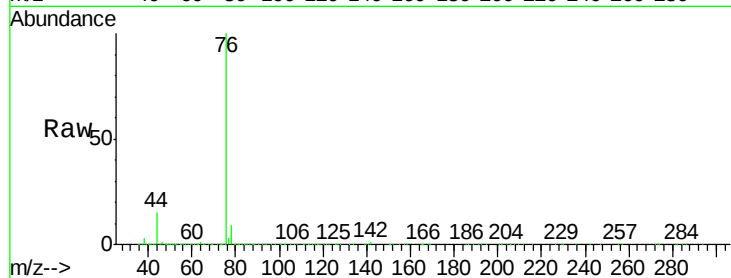
#17
Carbon Disulfide
Concen: 42.023 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

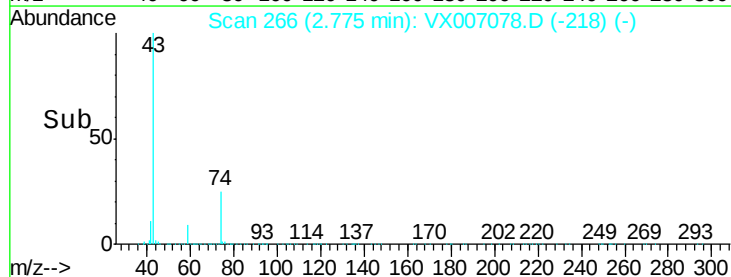
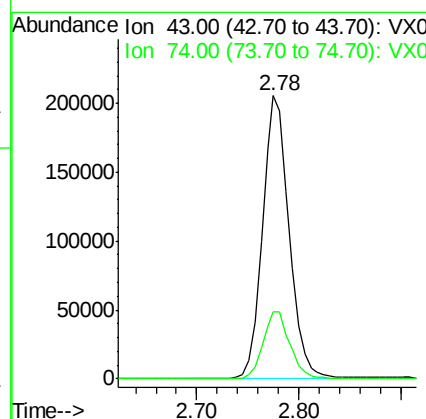
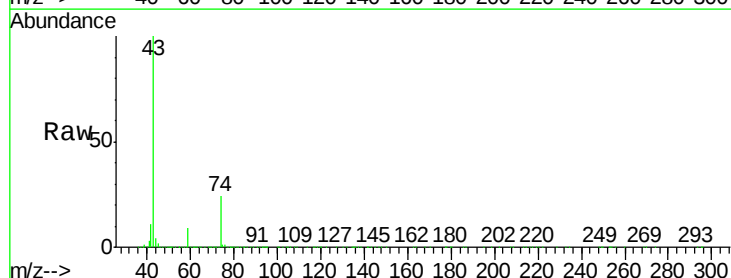
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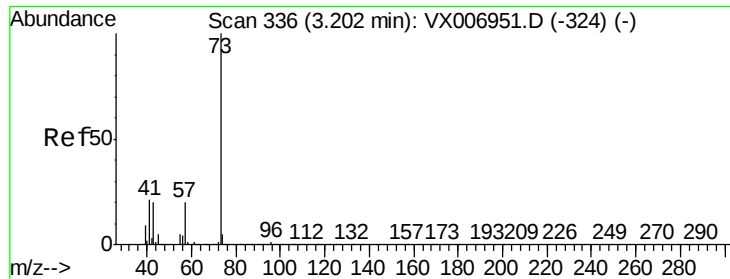
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#18
Methyl Acetate
Concen: 47.669 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	28.0





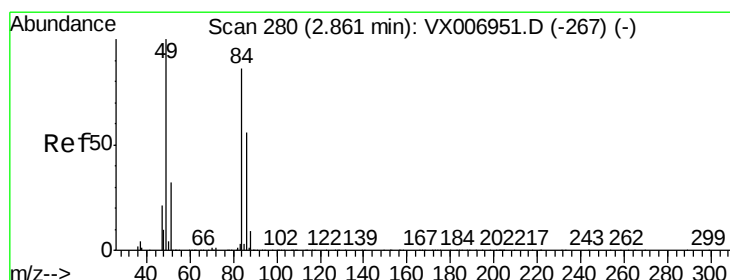
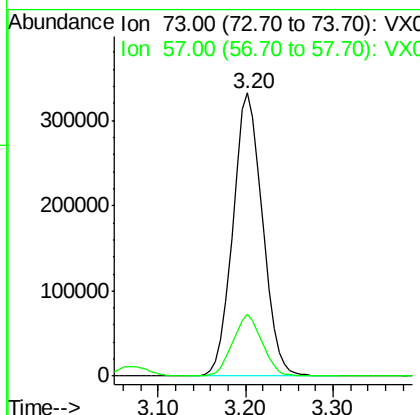
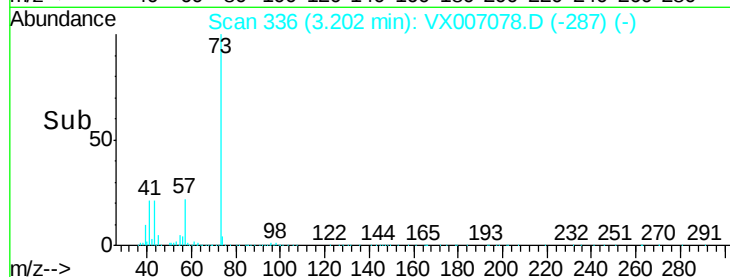
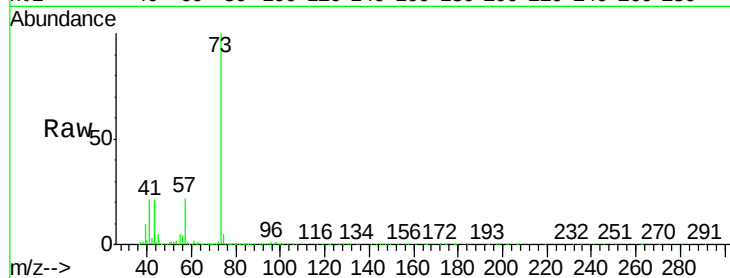
#19
Methyl tert-butyl Ether
Concen: 47.104 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	16.8	25.2

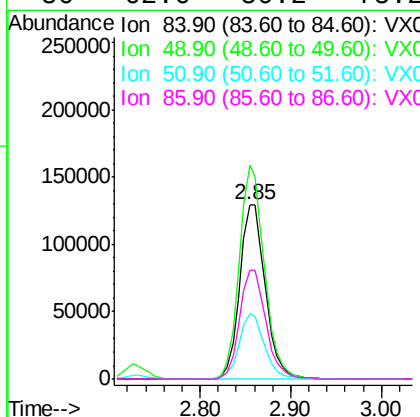
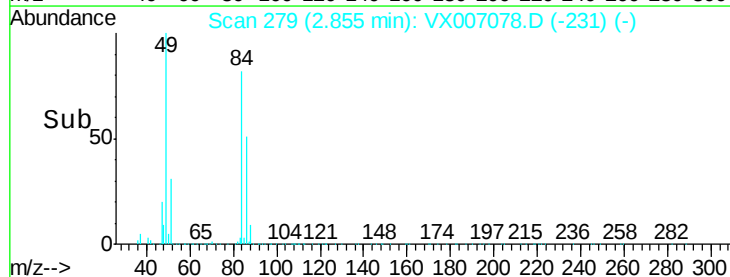
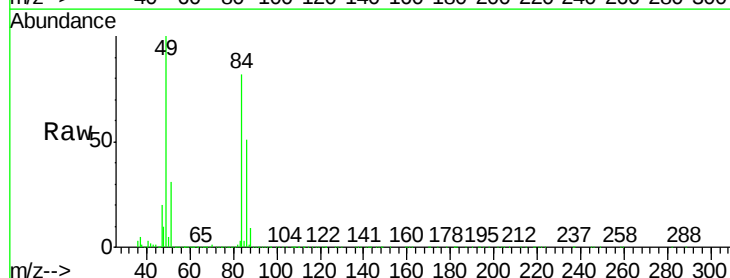
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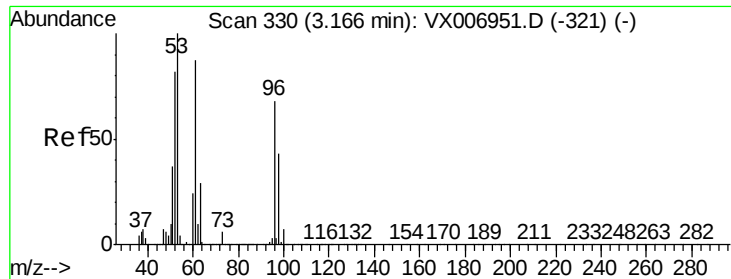
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#20
Methylene Chloride
Concen: 49.477 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.6	91.8	137.6
51	37.4	28.5	42.7
86	62.6	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 45.016 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

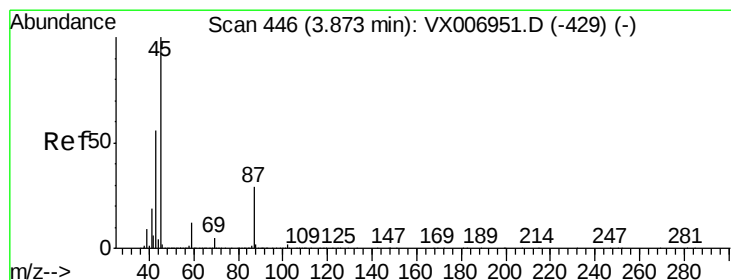
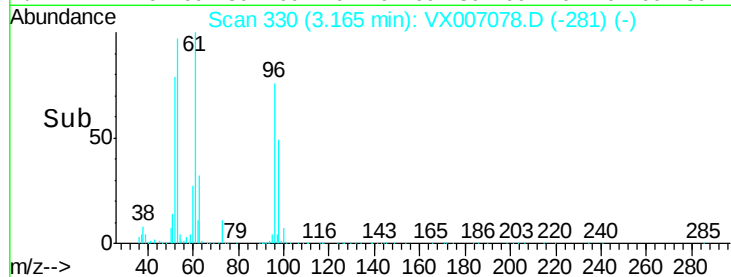
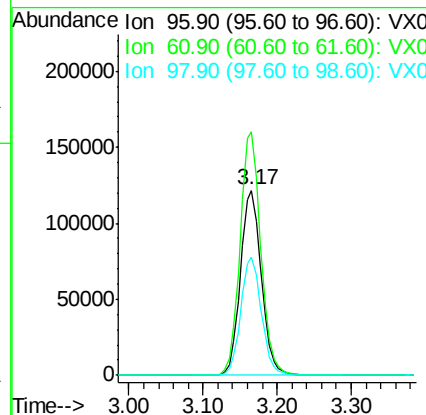
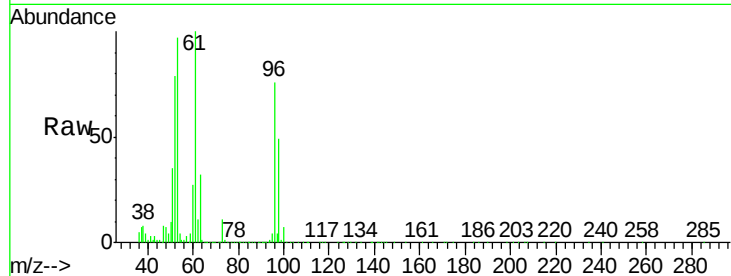
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	240112
Ion Ratio	Lower	Upper	
96	100		
61	131.1	103.7	155.5
98	63.8	51.0	76.6

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#22

Diisopropyl ether

Concen: 47.560 ug/l

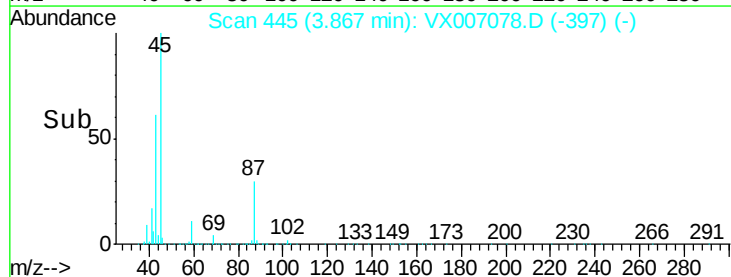
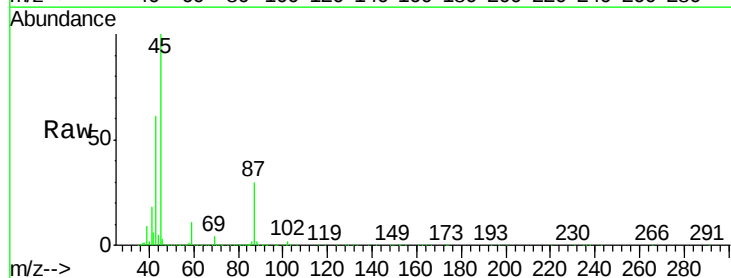
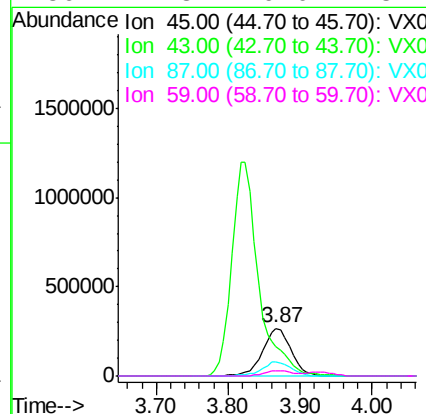
RT: 3.87 min Scan# 445

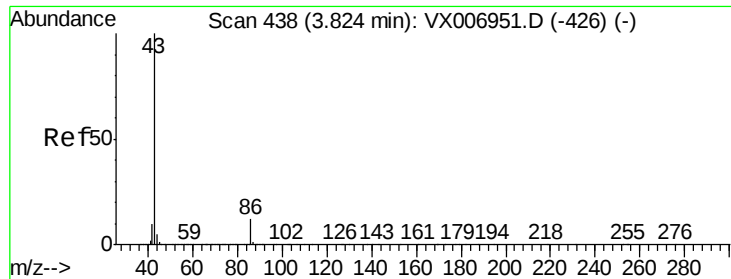
Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion:	45	Resp:	733444
Ion Ratio	Lower	Upper	
45	100		
43	61.4	51.2	76.8
87	30.4	25.8	38.6
59	11.3	9.0	13.4





#23

Vinyl Acetate

Concen: 240.960 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3133725

Ion Ratio Lower Upper

43 100

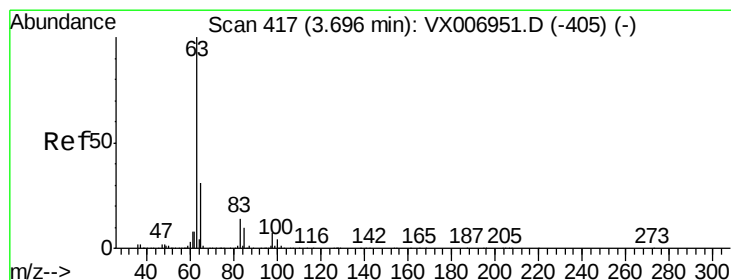
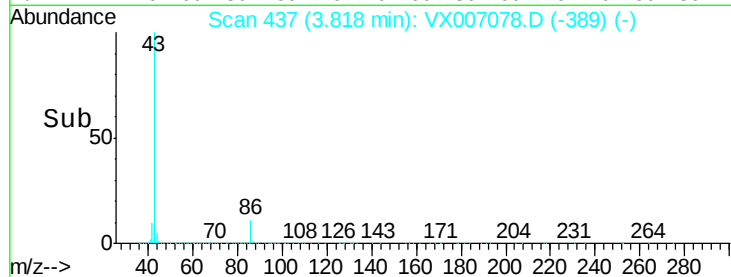
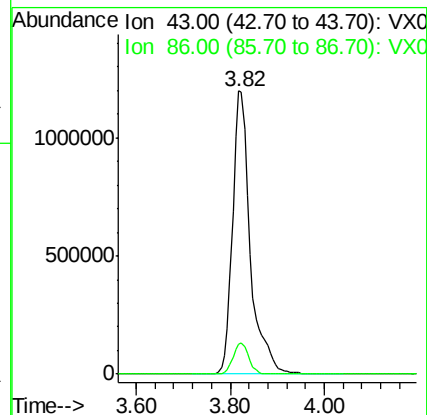
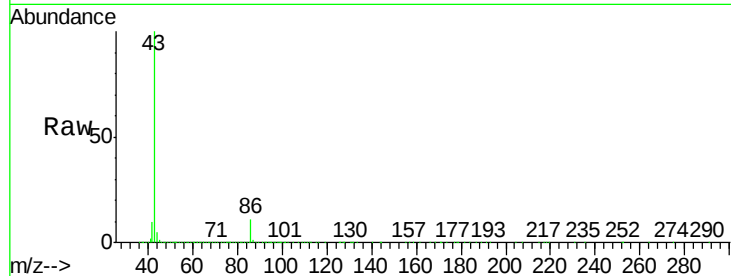
86 10.5 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 49.689 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

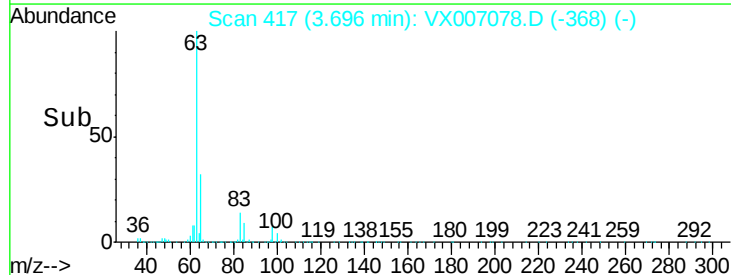
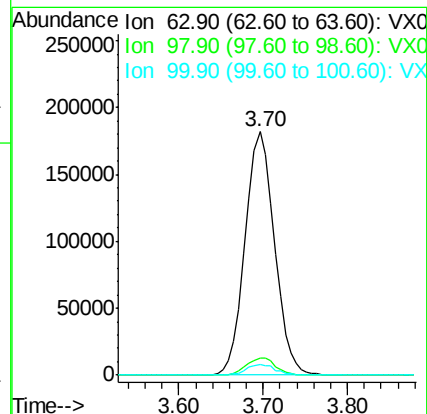
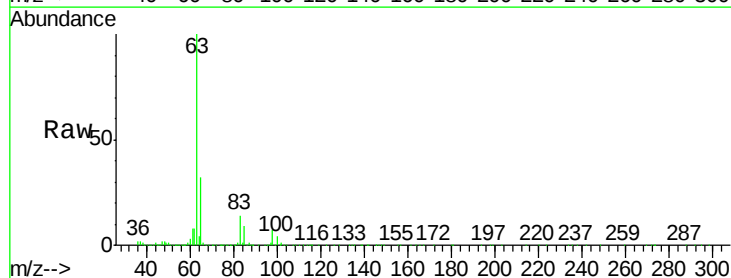
Tgt Ion: 63 Resp: 428477

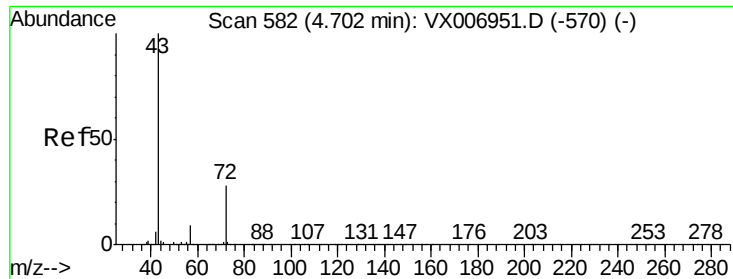
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 241.515 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 929812

Ion Ratio Lower Upper

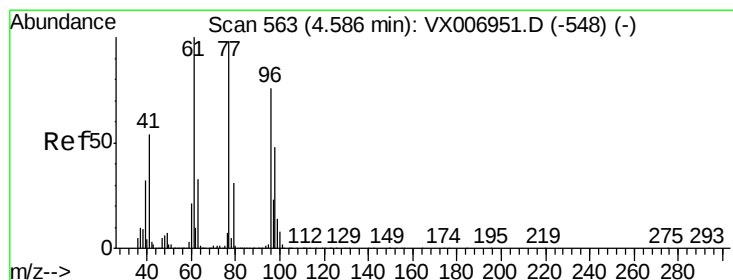
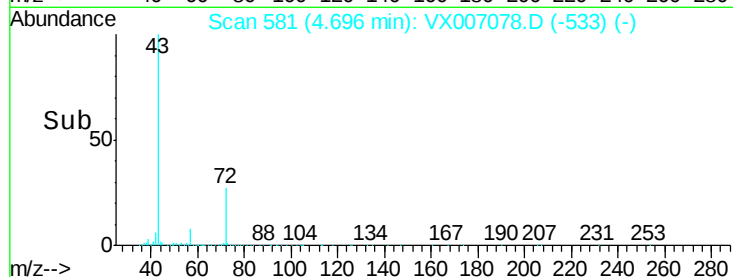
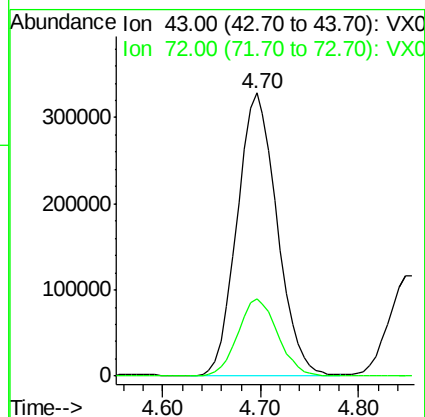
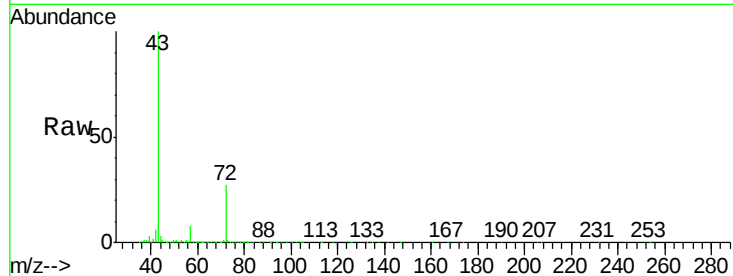
43 100

72 27.1 22.4 33.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 47.564 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007078.D

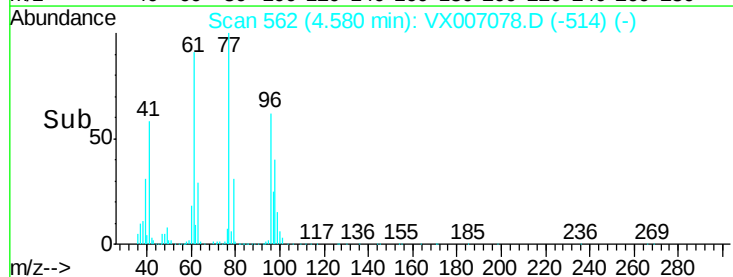
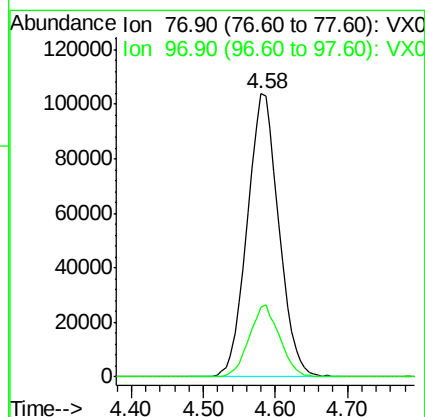
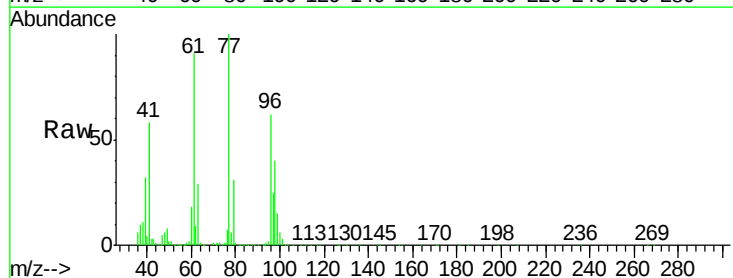
Acq: 17 Jan 2019 10:14

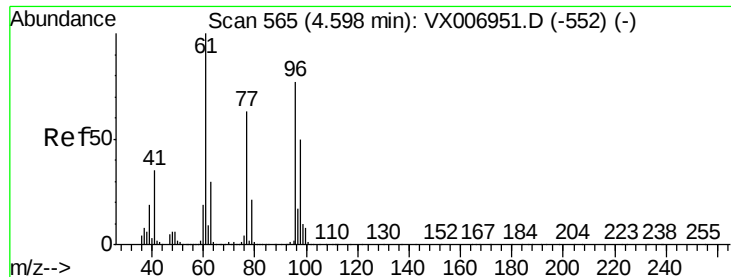
Tgt Ion: 77 Resp: 315391

Ion Ratio Lower Upper

77 100

97 24.8 12.4 37.4





#27

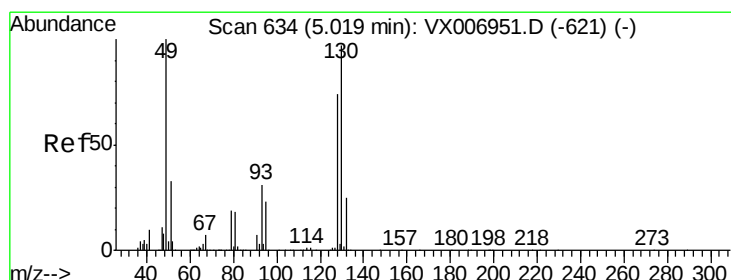
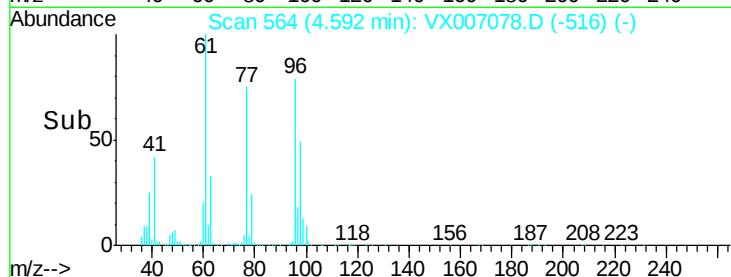
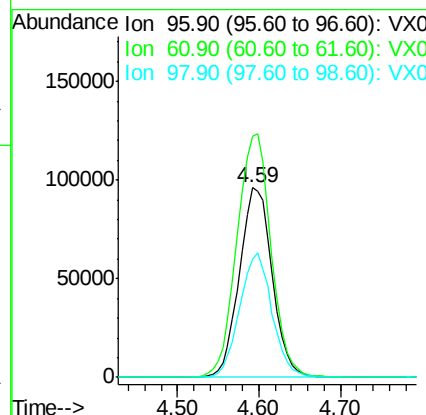
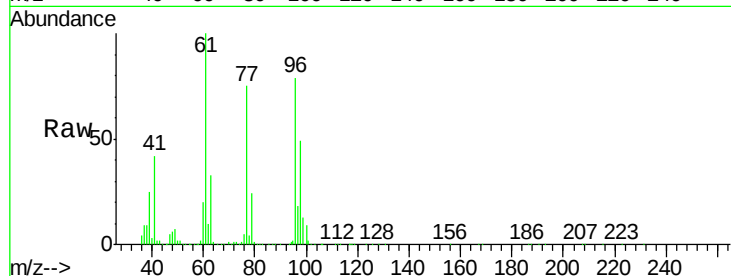
cis-1,2-Dichloroethene
Concen: 45.605 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	268310		
61	133.8	0.0	258.6	
98	64.6	0.0	132.0	

Manual Integrations
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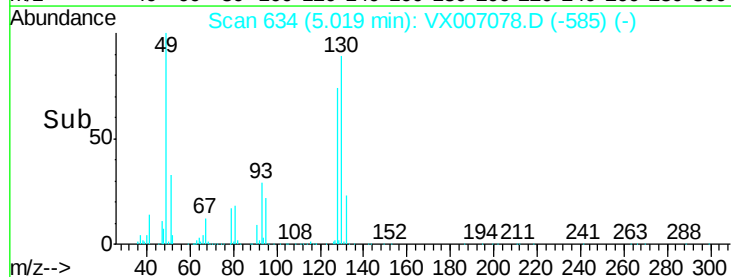
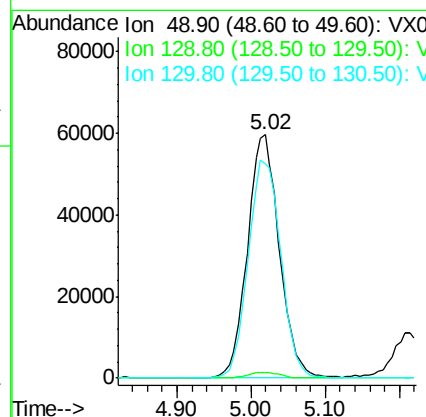
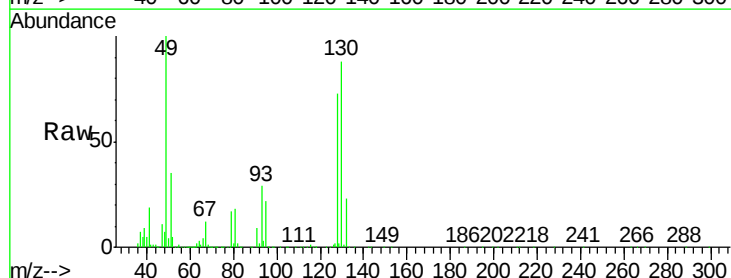
MMDadoda
1/18/2019 10:23:19 AM



#28

Bromochloromethane
Concen: 47.545 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	179626		
129	2.6	0.0	5.4	
130	92.0	77.7	116.5	





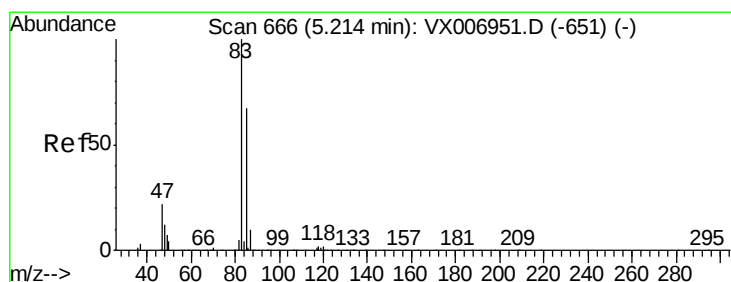
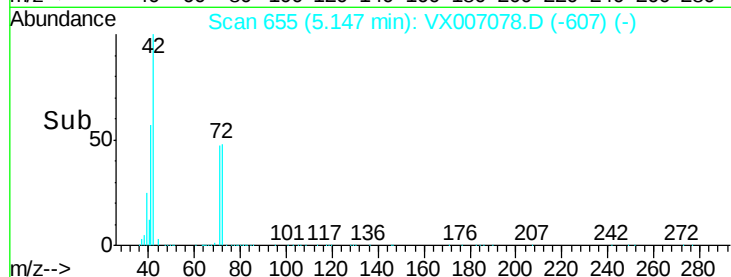
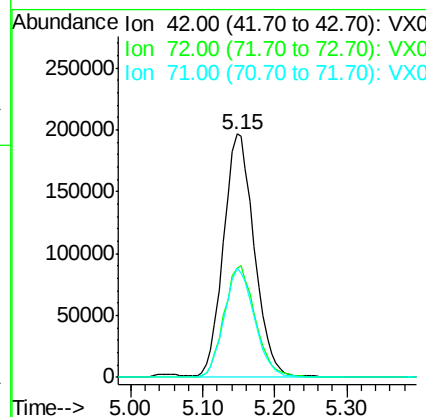
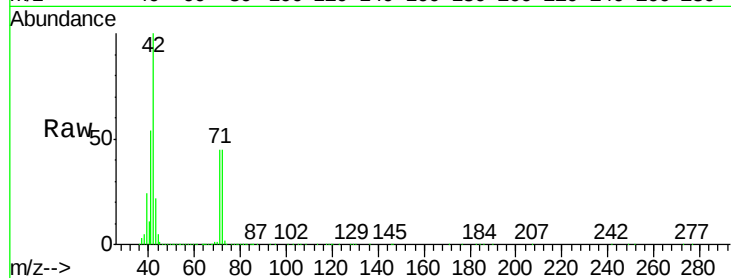
#29
Tetrahydrofuran
Concen: 233.533 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.9	58.3
71	44.2	36.2	54.4

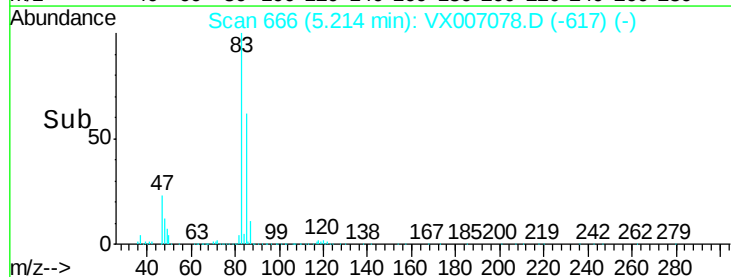
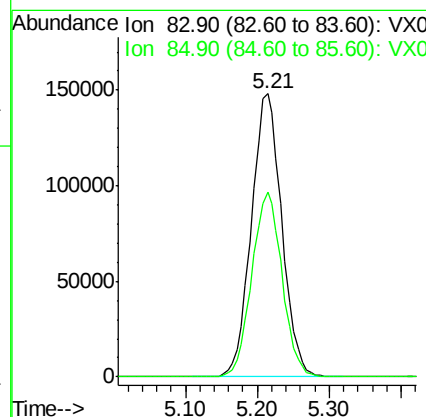
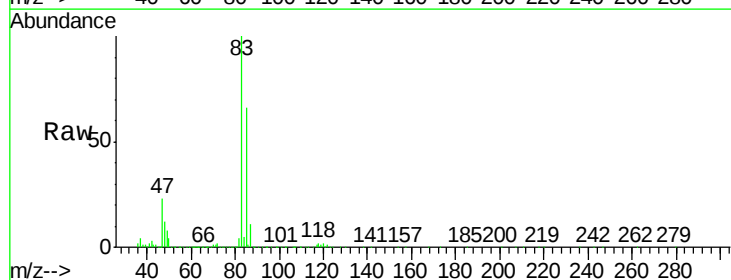
Manual Integrations
APPROVED

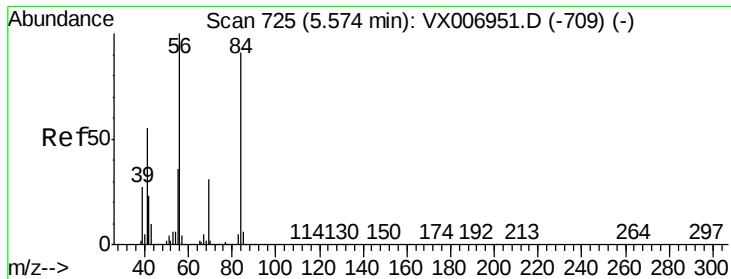
MMDadoda
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#30
Chloroform
Concen: 48.012 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.2	76.8





#31

Cyclohexane

Concen: 46.318 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

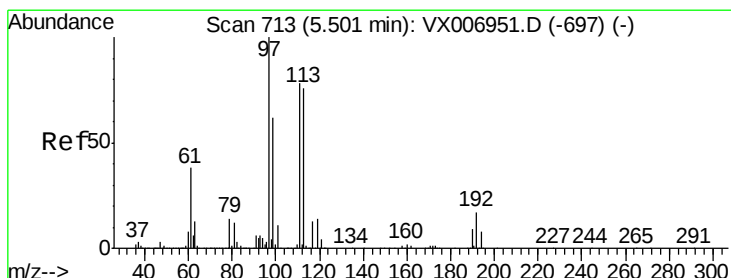
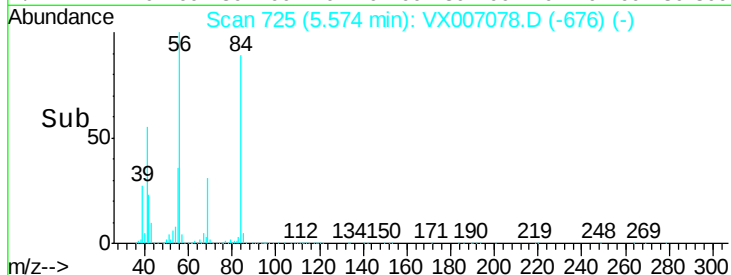
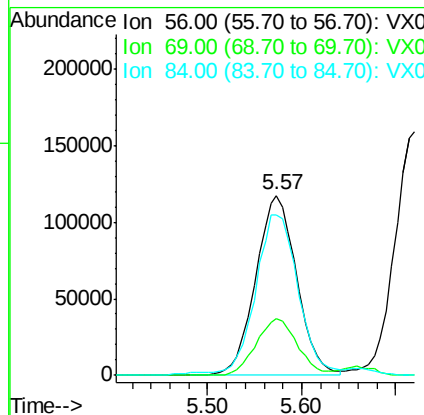
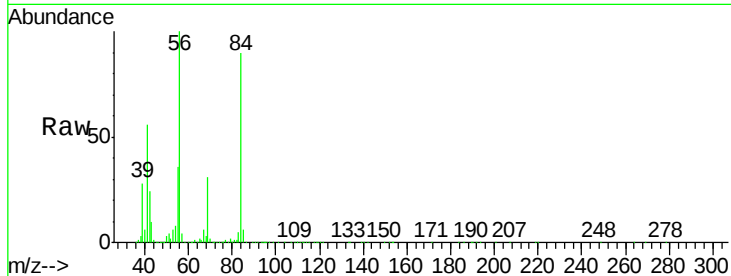
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	355488
Ion Ratio	Lower	Upper	
56	100		
69	31.4	24.4	36.6
84	88.1	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.076 ug/l

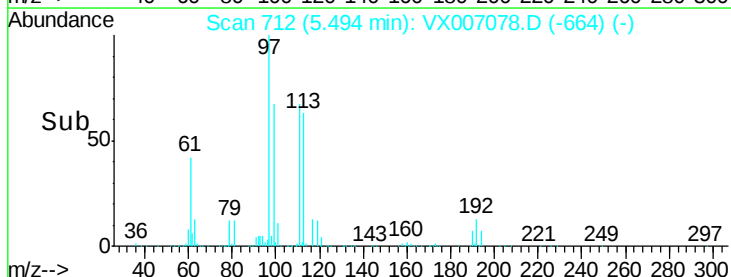
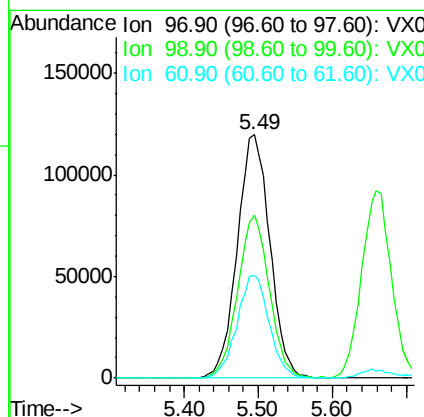
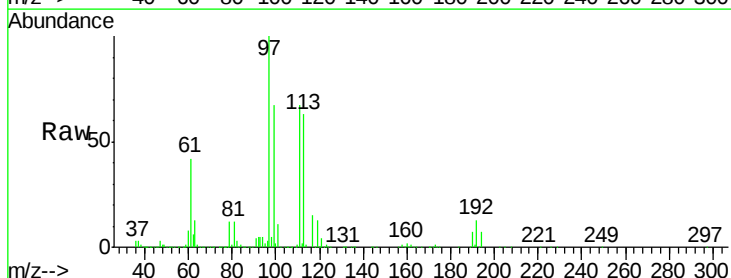
RT: 5.49 min Scan# 712

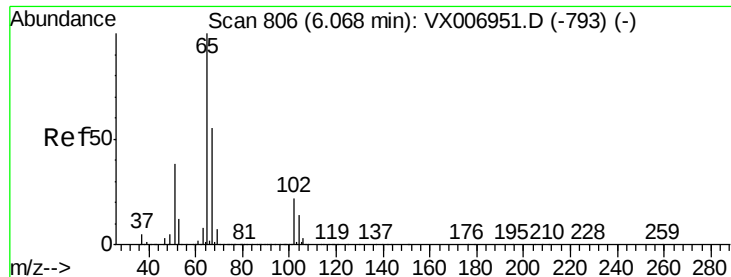
Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion:	97	Resp:	367905
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.7	77.5
61	41.6	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 46.730 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 254332

Ion Ratio Lower Upper

65 100

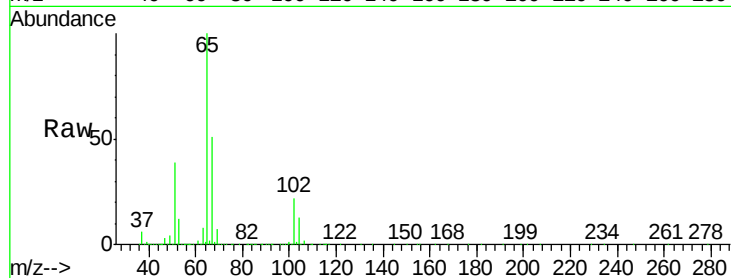
67 52.9 0.0 105.0

Manual Integrations

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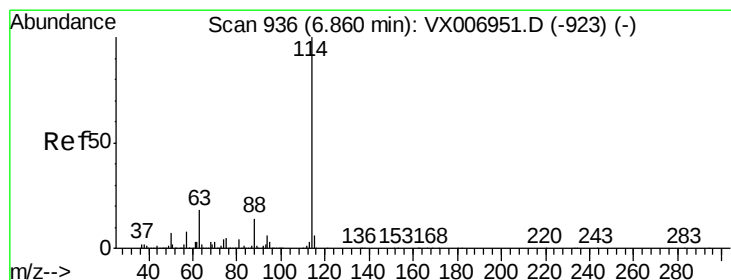
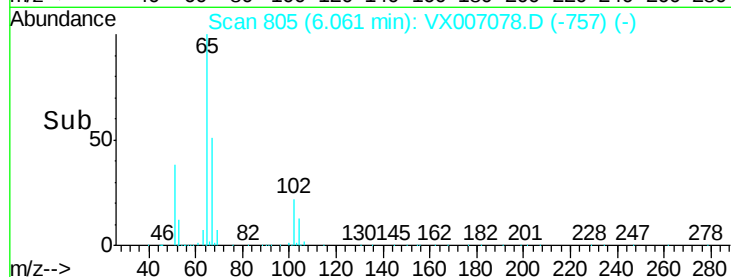
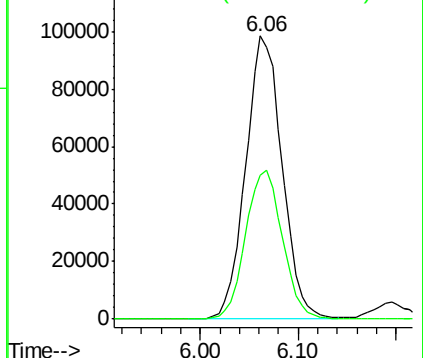
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

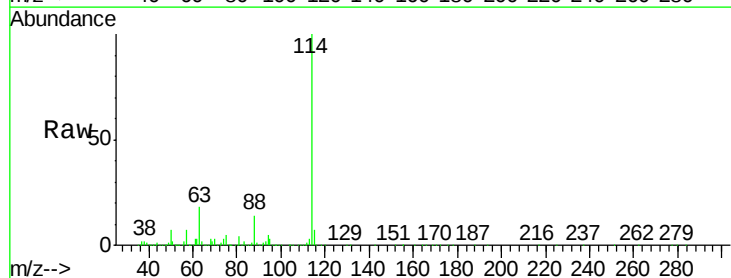
Tgt Ion: 114 Resp: 752367

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

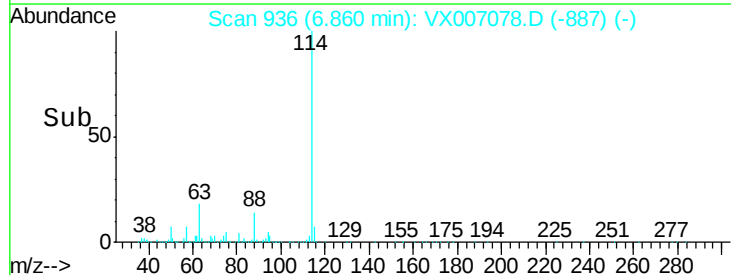
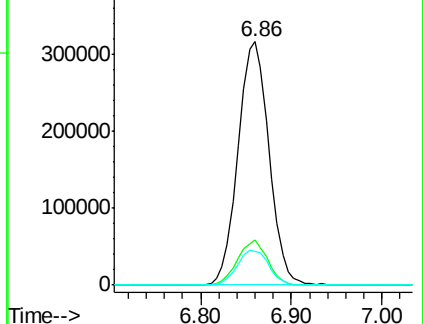
88 13.7 0.0 28.8

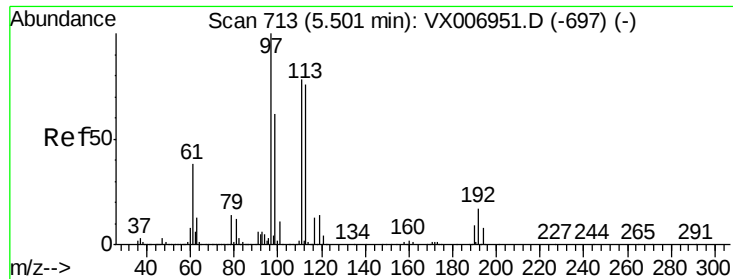


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.849 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

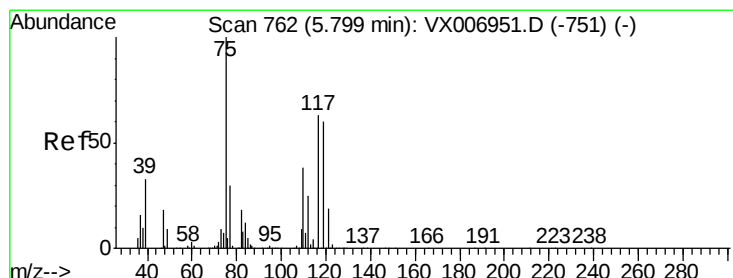
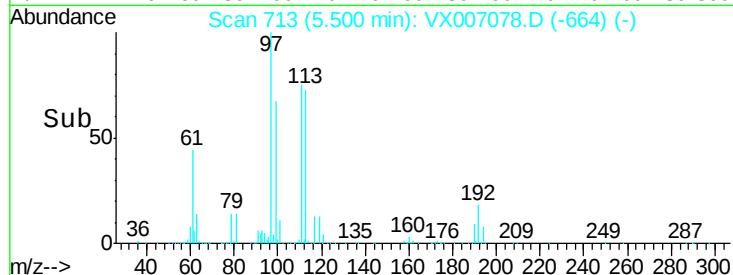
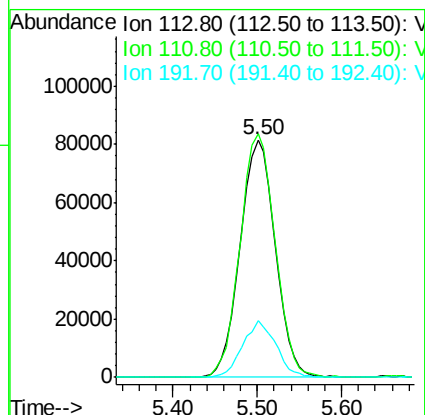
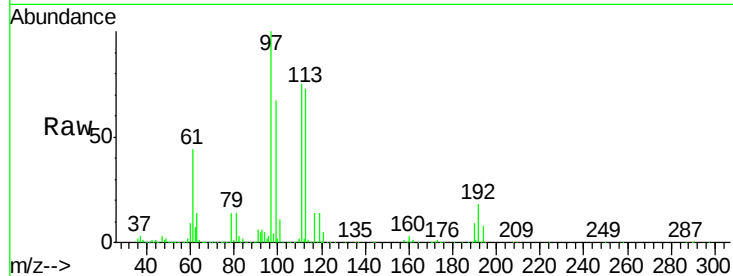
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	230543
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.6	122.4
192	22.6	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.552 ug/l

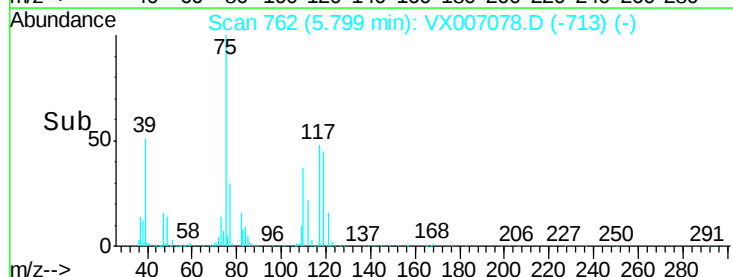
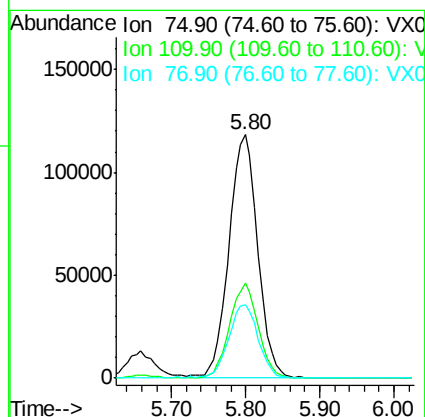
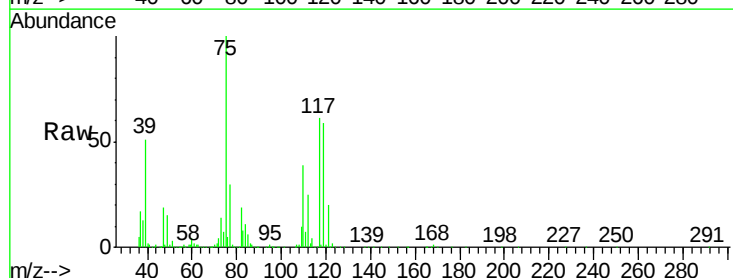
RT: 5.80 min Scan# 762

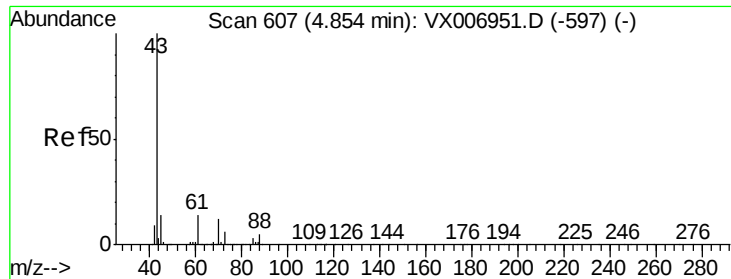
Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion:	75	Resp:	317586
Ion Ratio	Lower	Upper	
75	100		
110	38.8	20.2	60.5
77	31.1	24.8	37.2





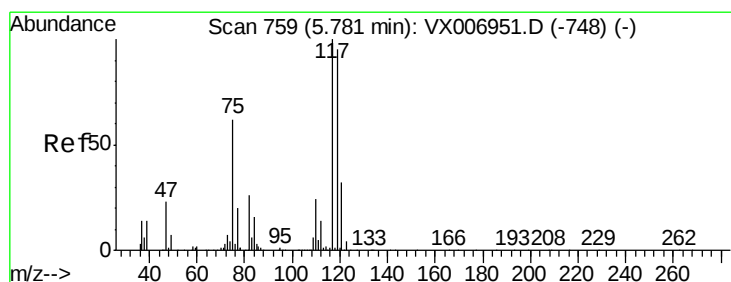
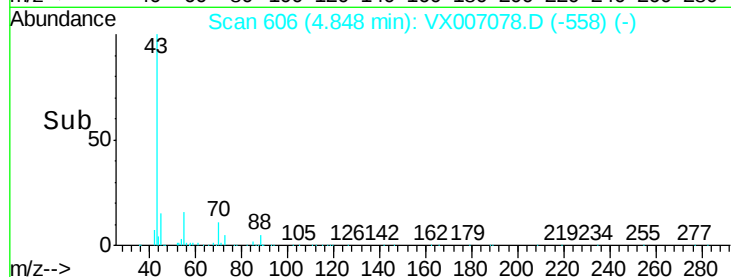
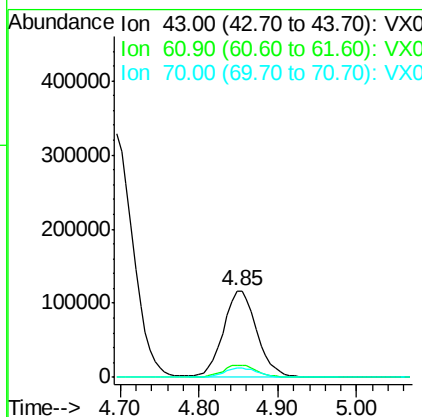
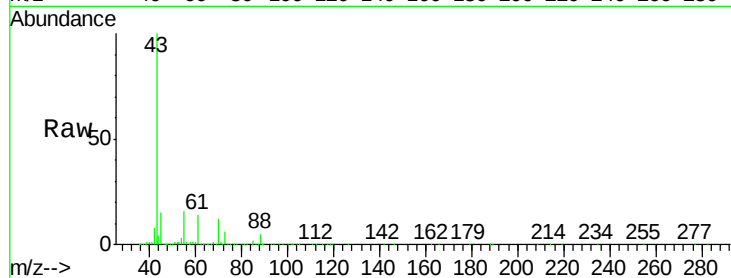
#37
Ethyl Acetate
Concen: 48.891 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	11.1	9.7	14.5

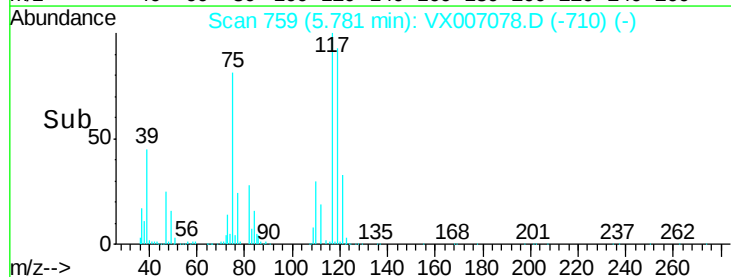
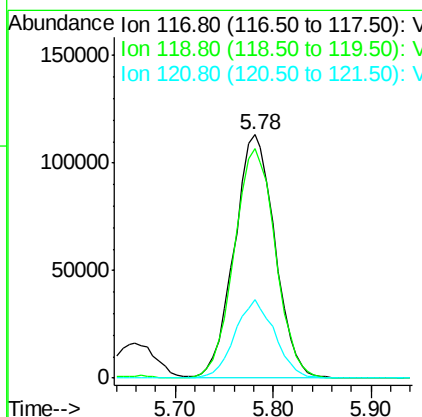
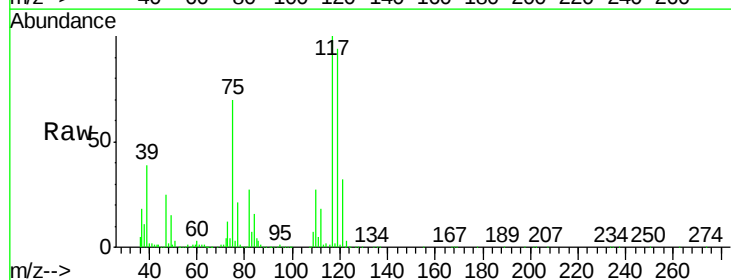
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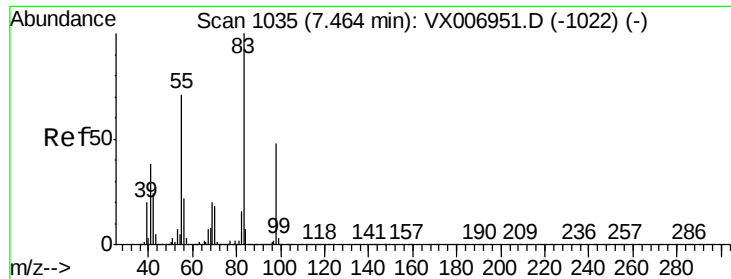
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#38
Carbon Tetrachloride
Concen: 49.383 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	79.4	119.2
121	32.4	24.0	36.0





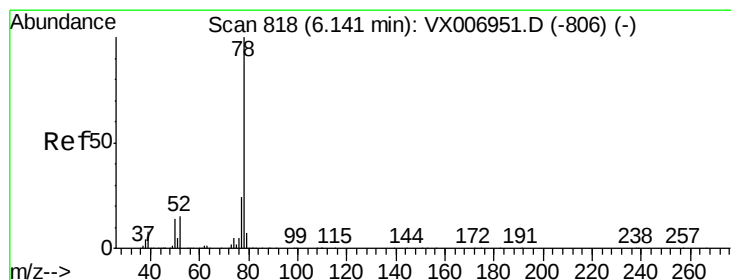
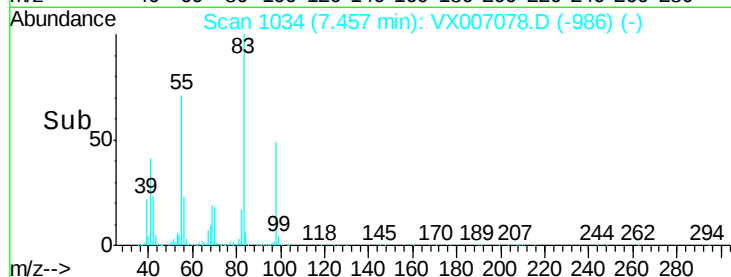
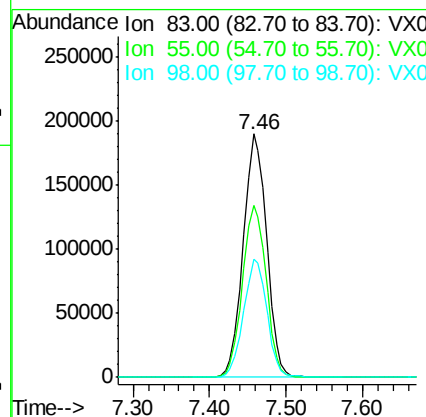
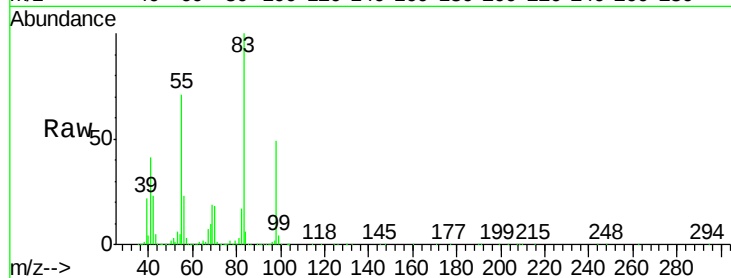
#39
Methvlcvclohexane
Concen: 48.499 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	54.9	82.3
98	48.7	37.9	56.9

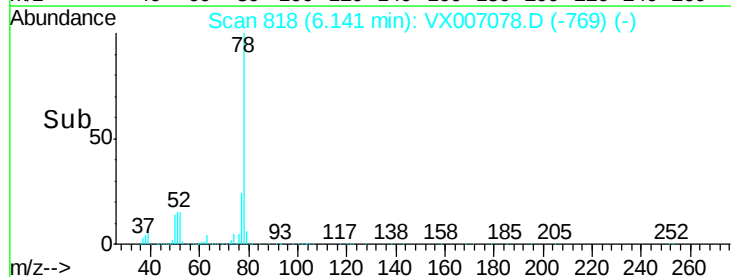
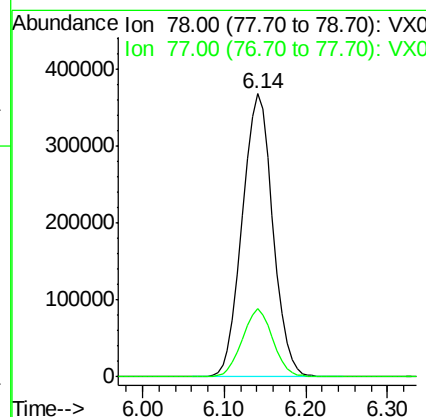
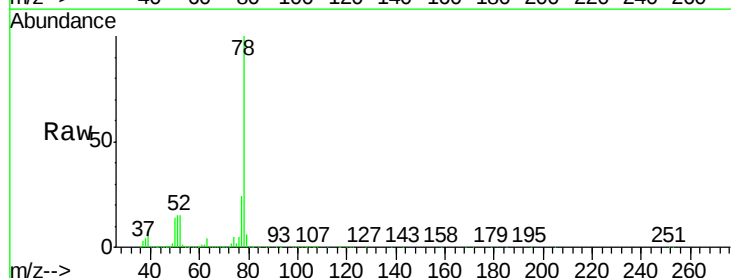
Manual Integrations
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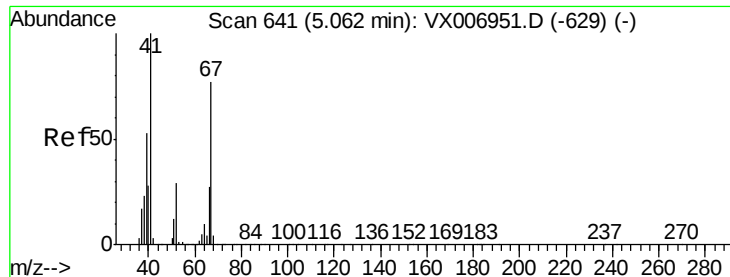
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#40
Benzene
Concen: 47.966 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





#41

Methacrylonitrile

Concen: 47.715 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		192765		
39	54.8	42.8	64.2		
67	74.8	62.1	93.1		
52	27.8	23.4	35.0		

Instrument :

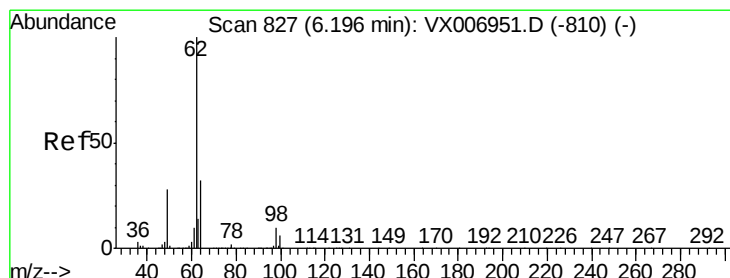
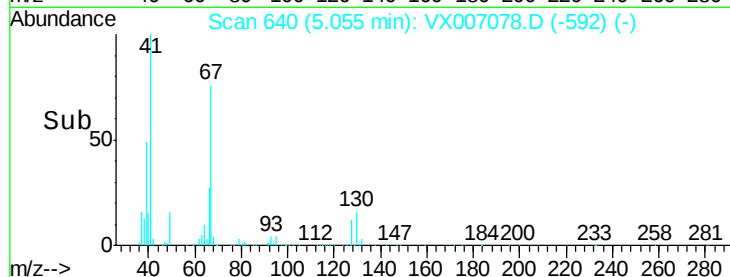
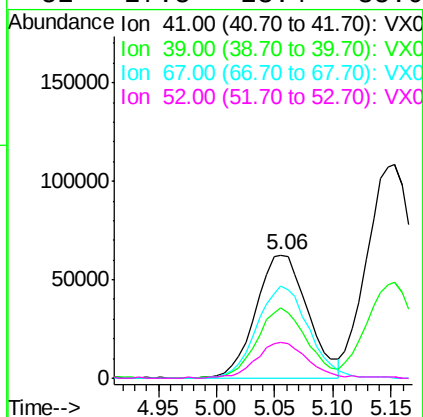
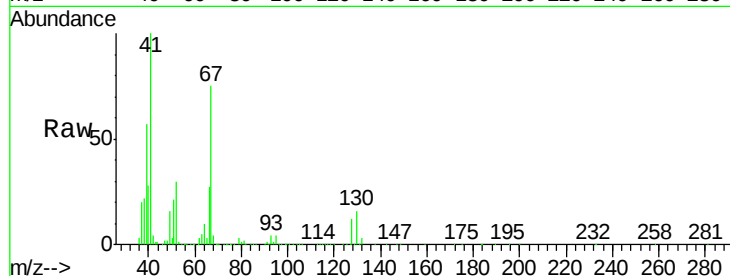
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.569 ug/l

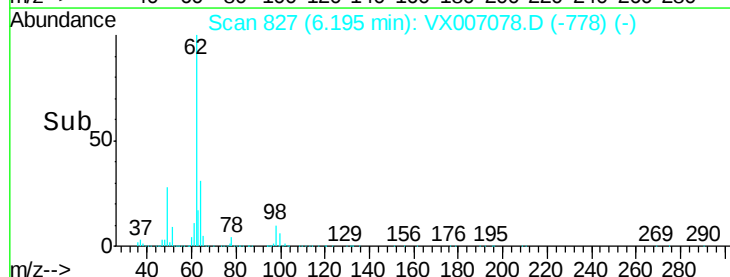
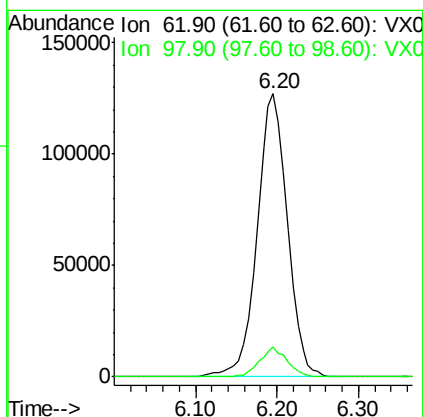
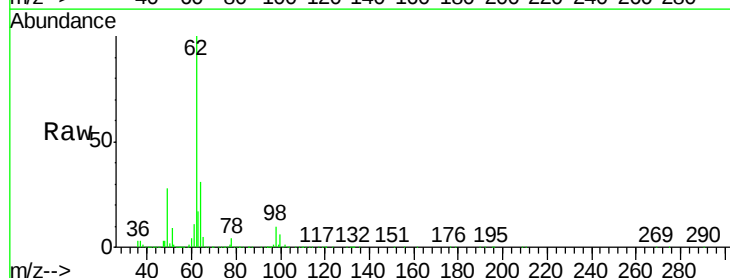
RT: 6.20 min Scan# 827

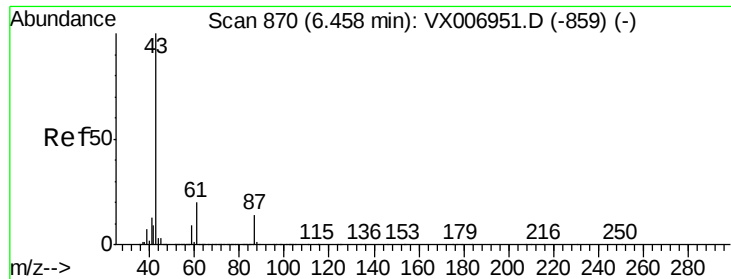
Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		328092		
98	9.8	0.0	20.2		





#43

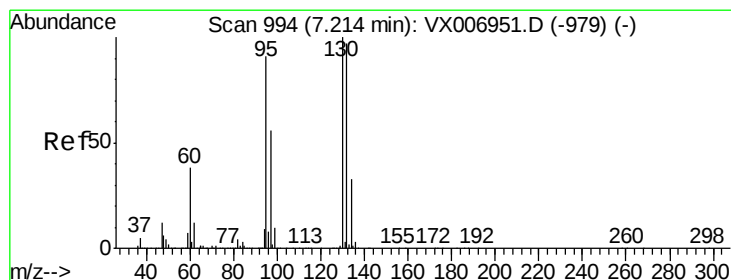
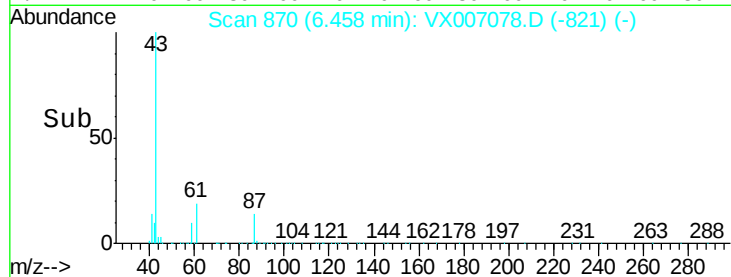
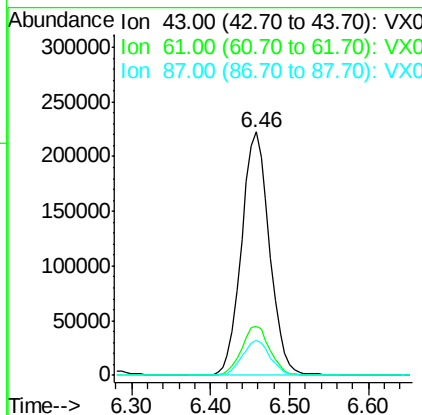
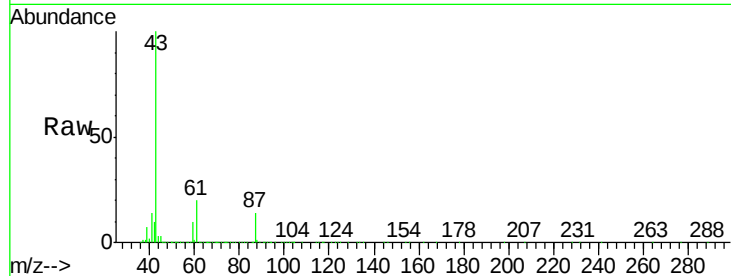
Isopropyl Acetate
 Concen: 49.552 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007078.D
 Acq: 17 Jan 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.8	25.2
87	14.5	12.4	18.6

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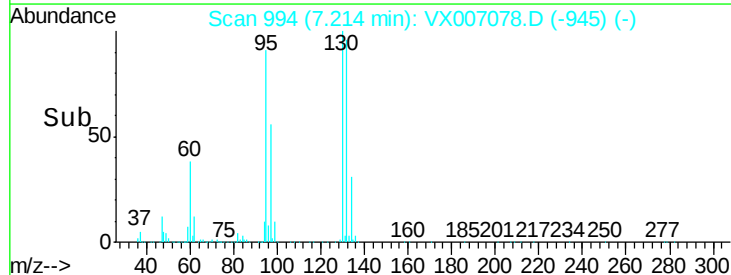
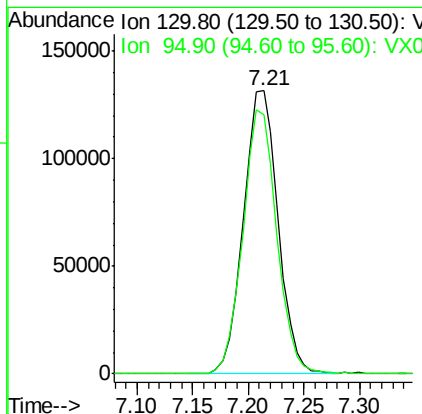
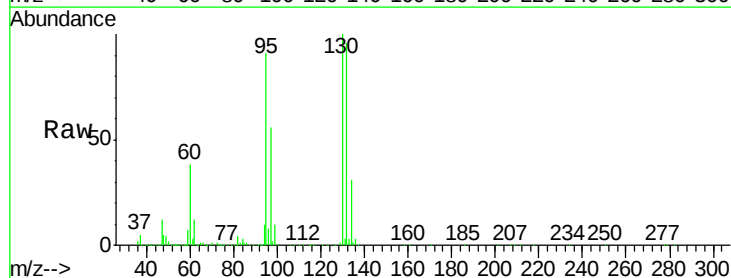
MMDadoda
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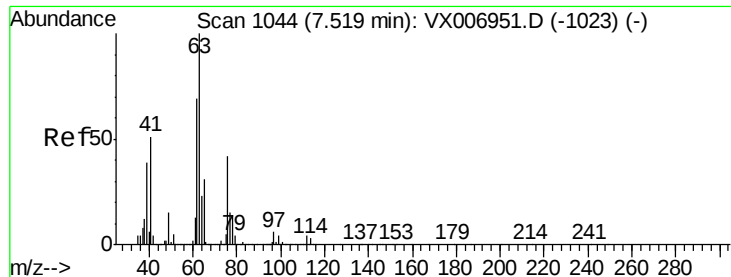


#44

Trichloroethene
 Concen: 47.586 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007078.D
 Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	187.0





#45

1,2-Dichloropropane

Concen: 49.091 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 246329

Ion Ratio Lower Upper

63 100

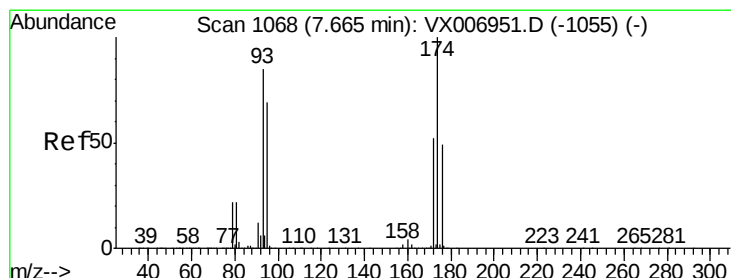
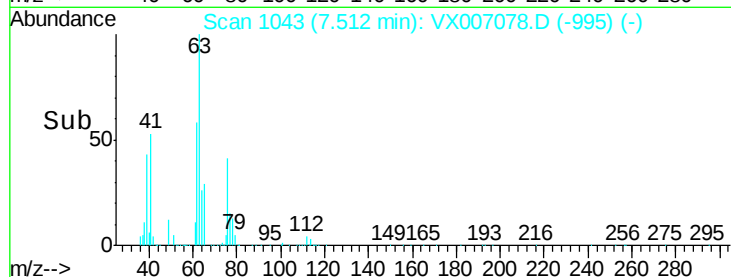
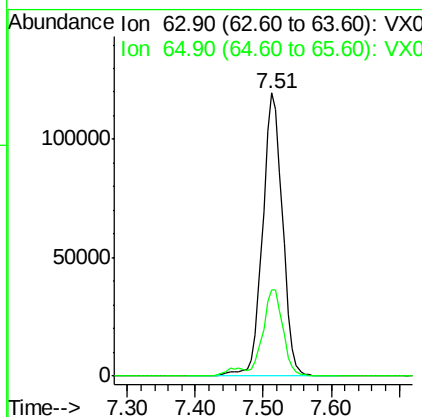
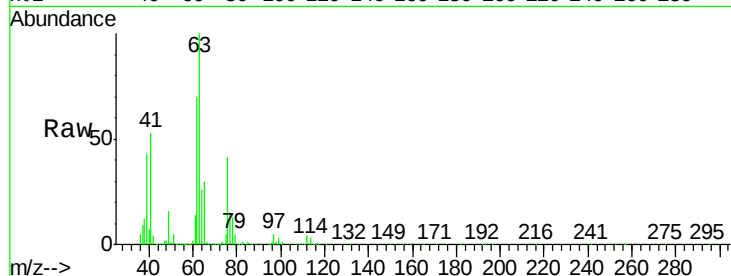
65 30.3 25.4 38.0

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#46

Dibromomethane

Concen: 49.107 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

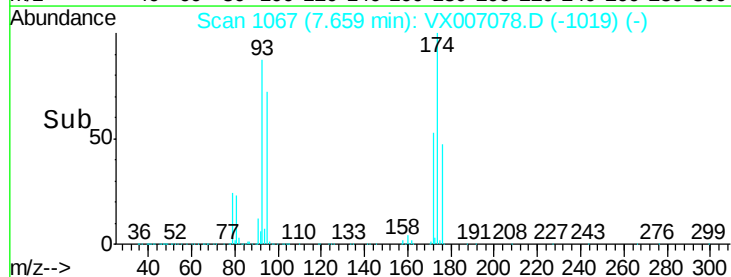
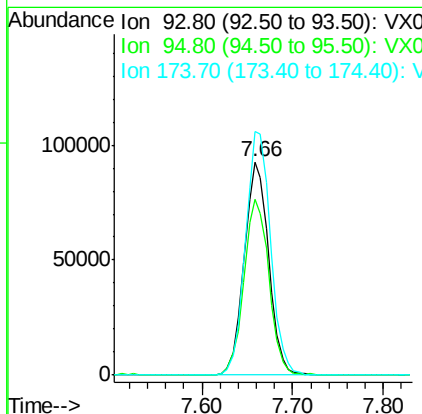
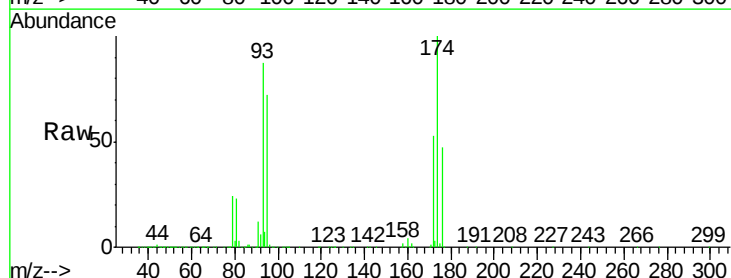
Tgt Ion: 93 Resp: 173176

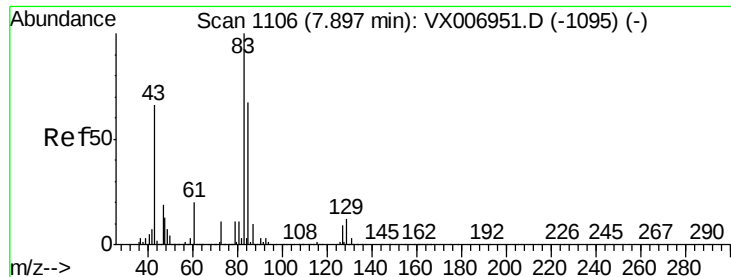
Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

174 117.3 91.0 136.4





#47

Bromodichloromethane

Concen: 51.758 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

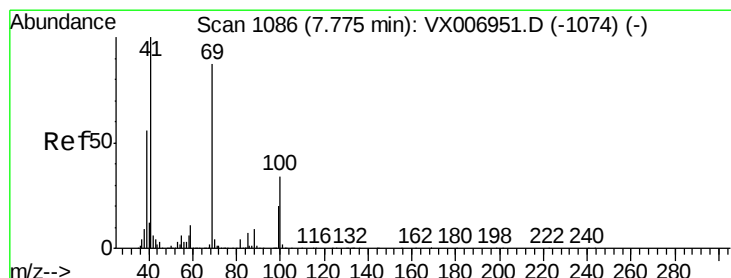
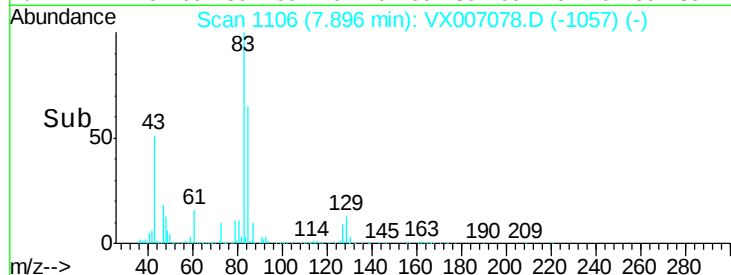
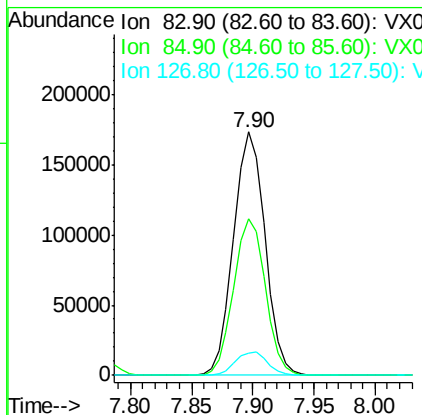
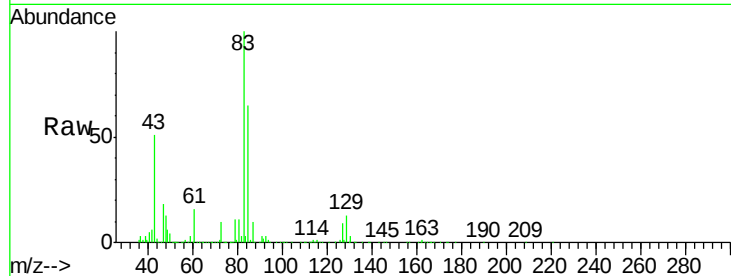
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	310688
Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.2	79.8
127	9.1	7.8	11.6

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#48

Methyl methacrylate

Concen: 49.698 ug/l

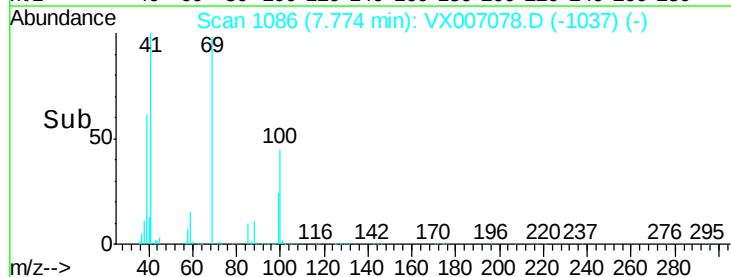
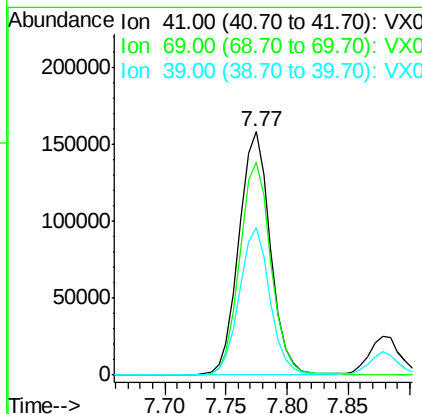
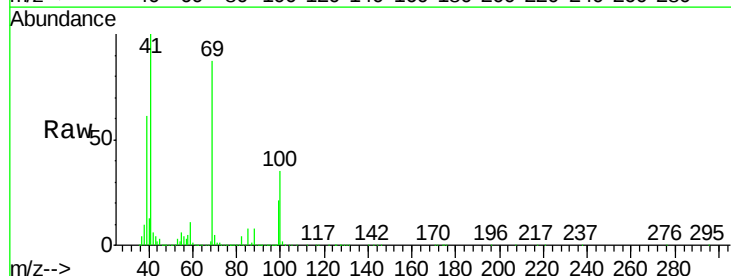
RT: 7.77 min Scan# 1086

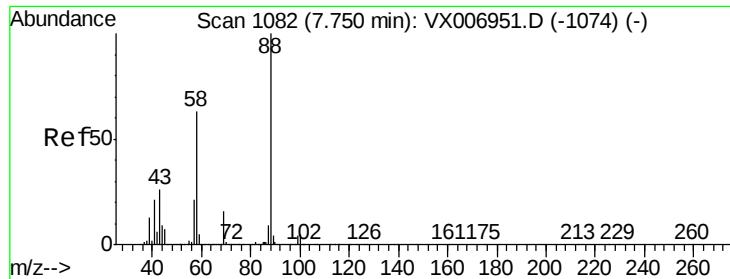
Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion:	41	Resp:	282317
Ion	Ratio	Lower	Upper
41	100		
69	87.5	72.4	108.6
39	59.2	45.8	68.8





#49

1,4-Dioxane

Concen: 986.000 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

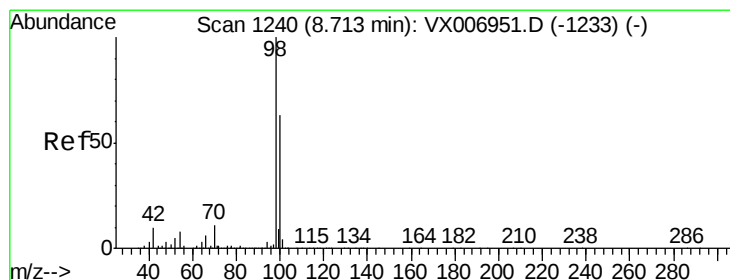
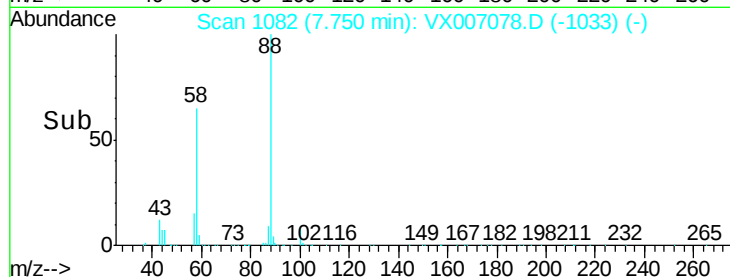
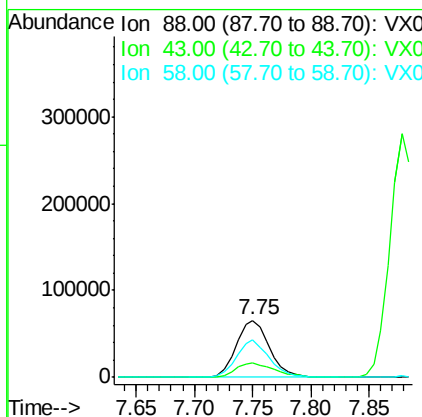
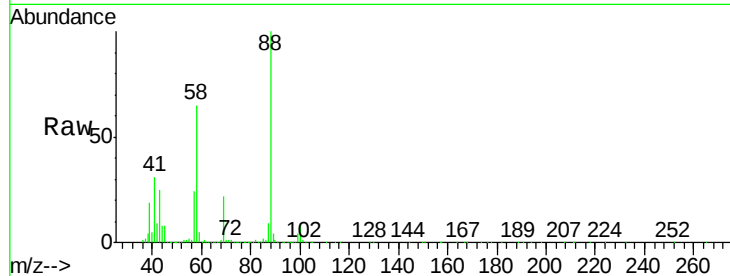
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	127927
Ion	Ratio	Lower	Upper
88	100		
43	29.7	22.2	33.4
58	65.7	51.0	76.4

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#50

Toluene-d8

Concen: 49.138 ug/l

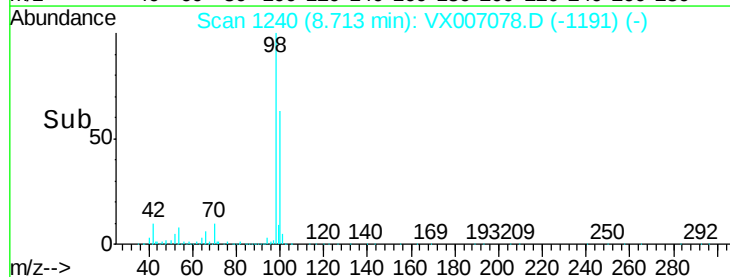
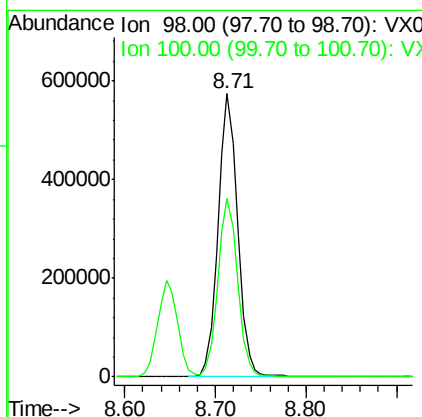
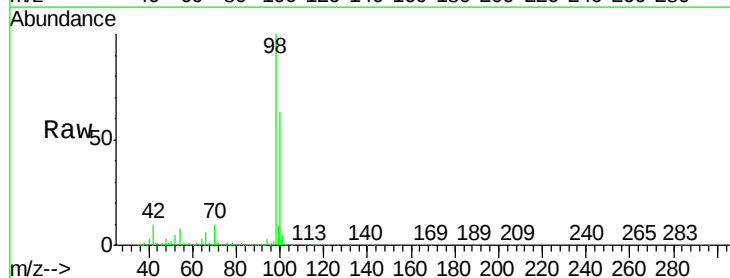
RT: 8.71 min Scan# 1240

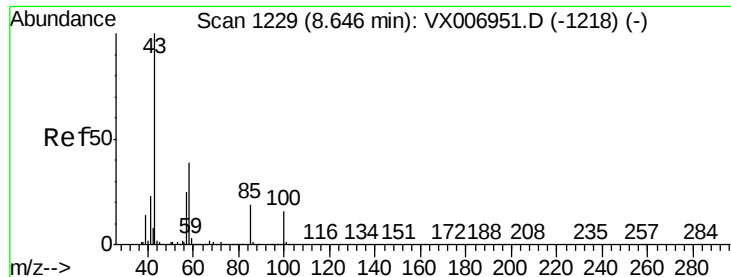
Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion:	98	Resp:	866591
Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 256.272 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1821817

Ion Ratio Lower Upper

43 100

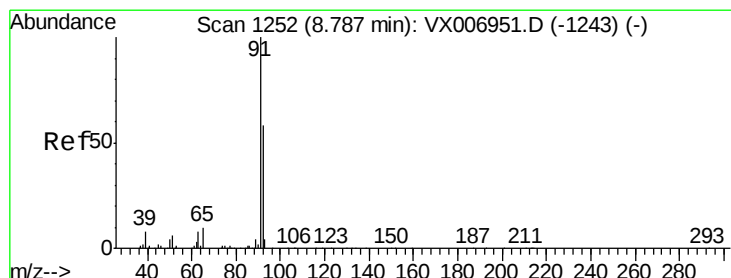
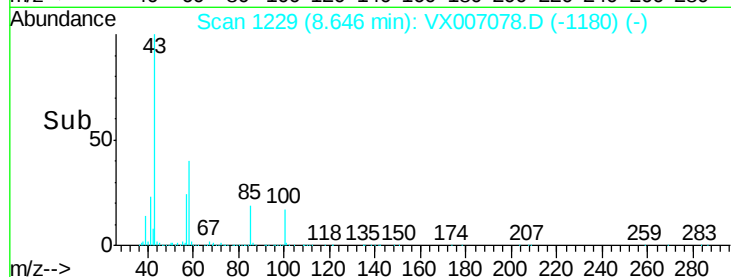
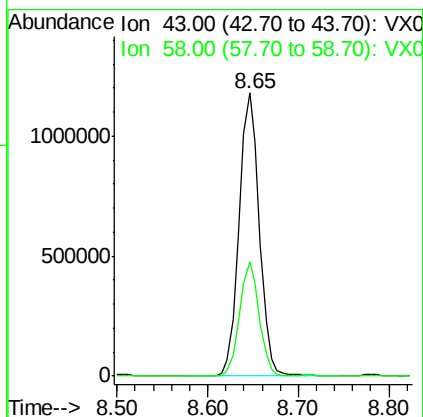
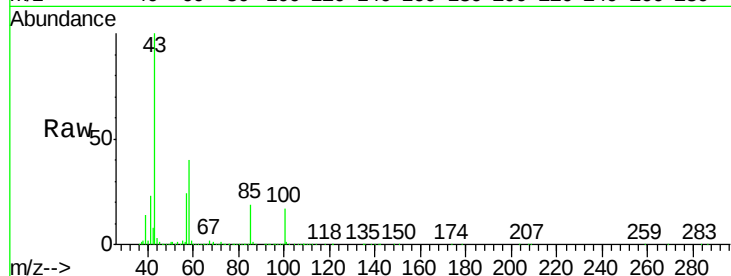
58 39.2 31.8 47.6

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#52

Toluene

Concen: 49.096 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007078.D

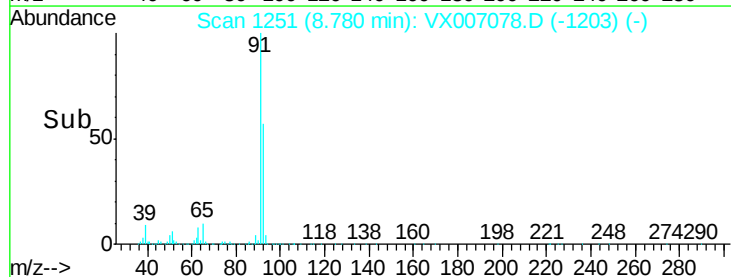
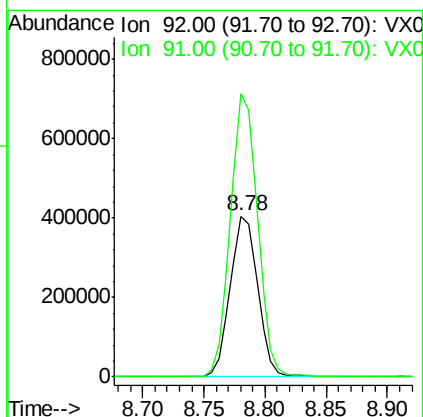
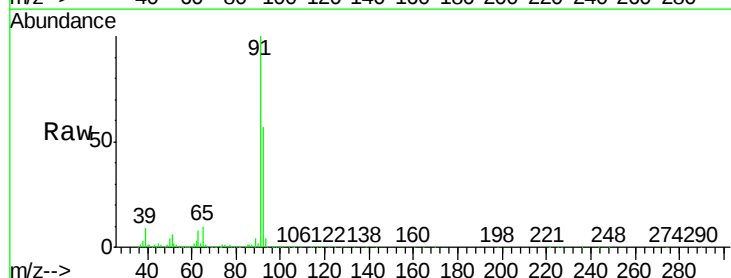
Acq: 17 Jan 2019 10:14

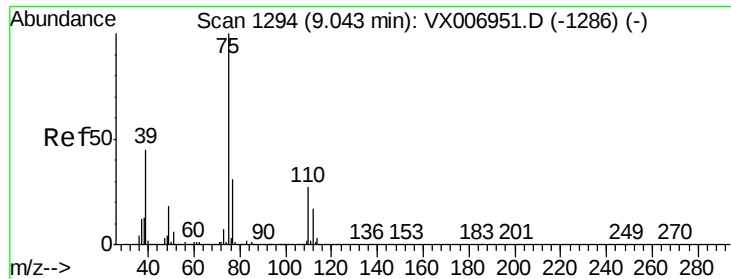
Tgt Ion: 92 Resp: 629832

Ion Ratio Lower Upper

92 100

91 175.1 137.6 206.4





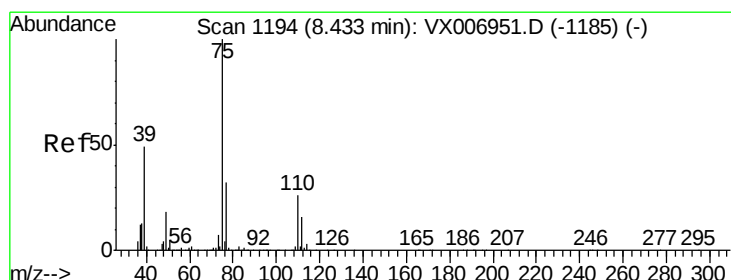
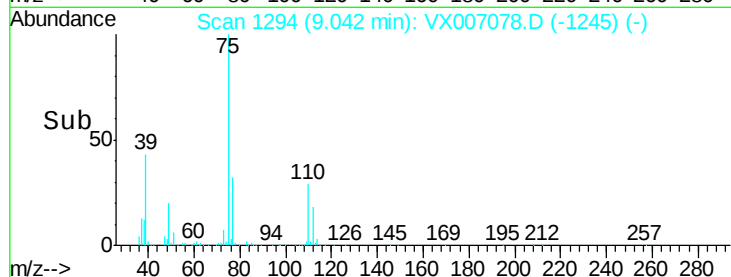
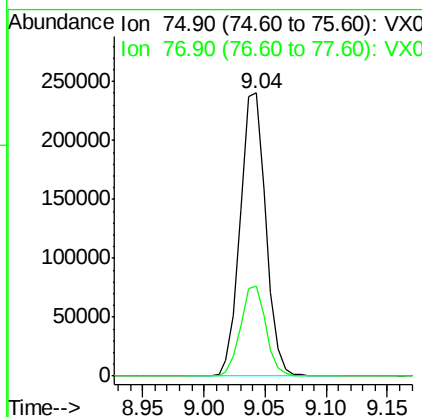
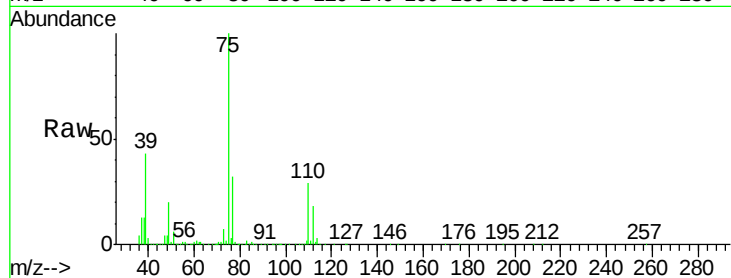
#53
t-1,3-Dichloropropene
Concen: 52.386 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0

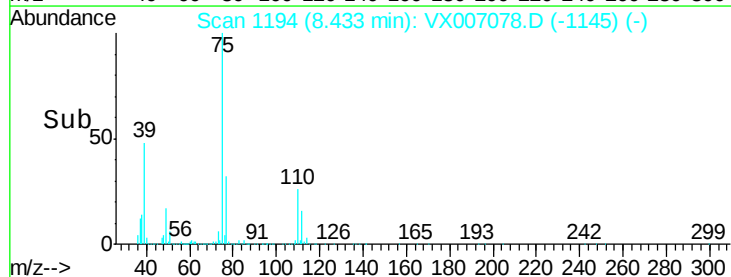
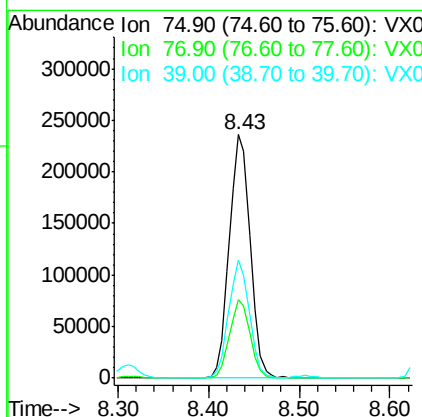
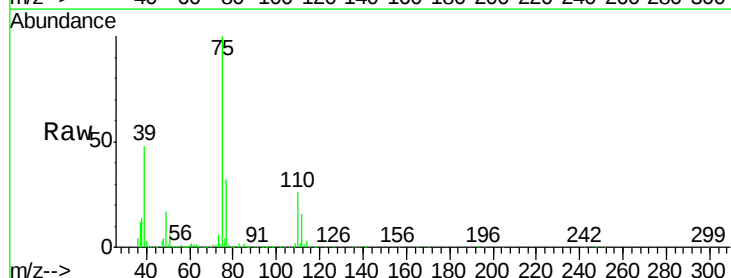
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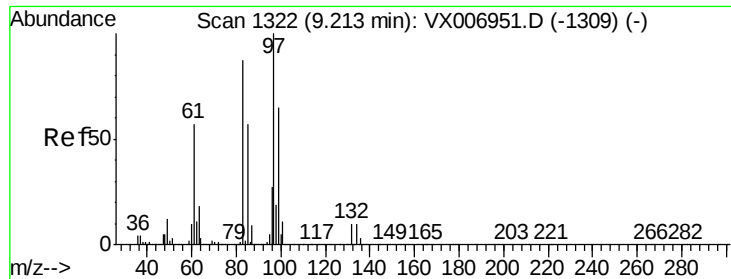
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.359 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.2	39.2
39	48.3	36.7	55.1





#55

1,1,2-Trichloroethane

Concen: 51.510 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

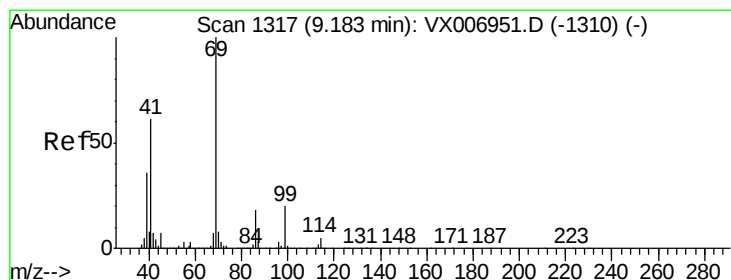
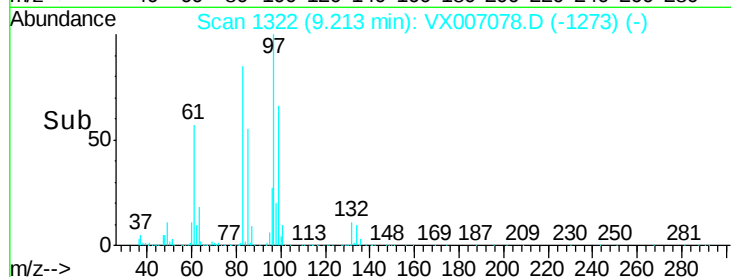
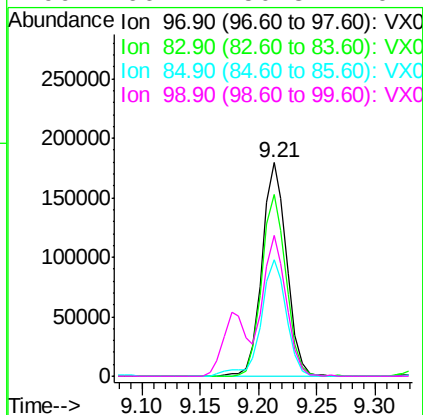
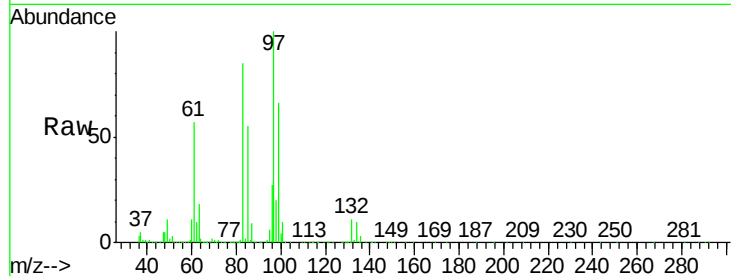
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	264492
Ion Ratio	Lower	Upper	
97	100		
83	85.1	66.6	99.8
85	54.6	42.7	64.1
99	66.1	50.8	76.2

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#56

Ethyl methacrylate

Concen: 51.234 ug/l

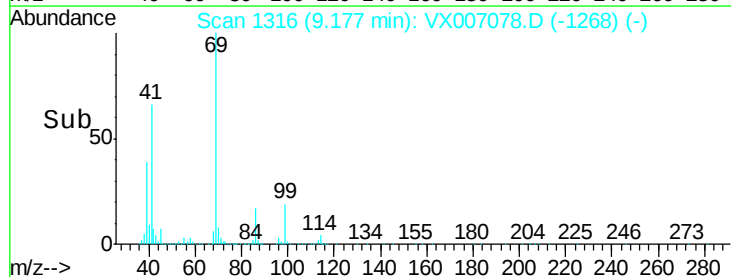
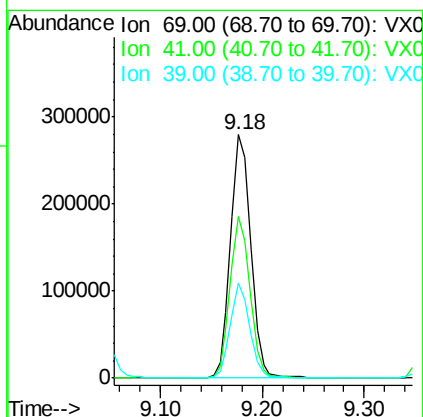
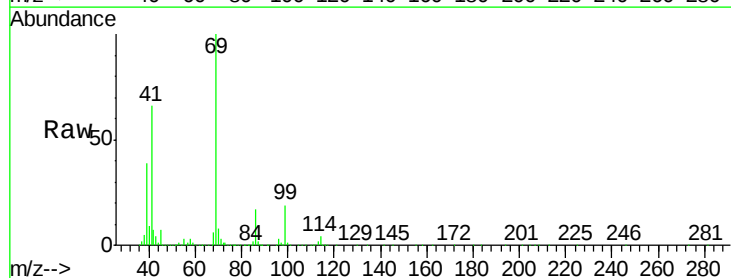
RT: 9.18 min Scan# 1316

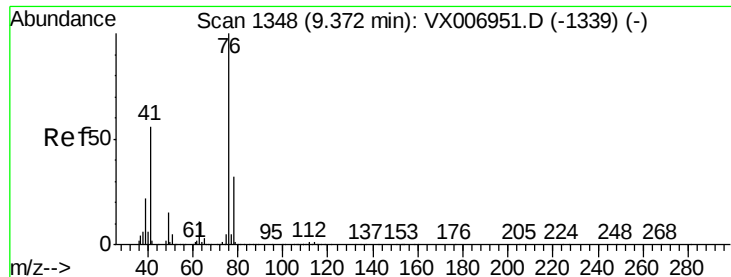
Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion:	69	Resp:	384055
Ion Ratio	Lower	Upper	
69	100		
41	65.2	48.7	73.1
39	37.4	27.0	40.6





#57

1,3-Dichloropropane

Concen: 49.666 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 417801

Ion Ratio Lower Upper

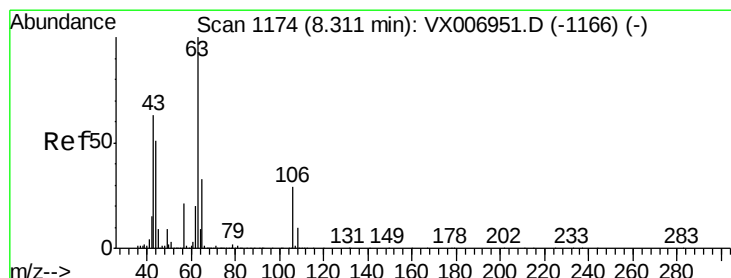
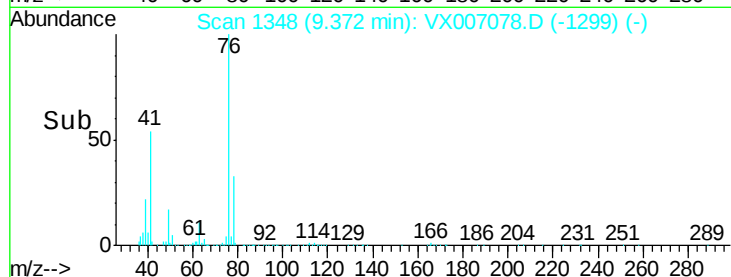
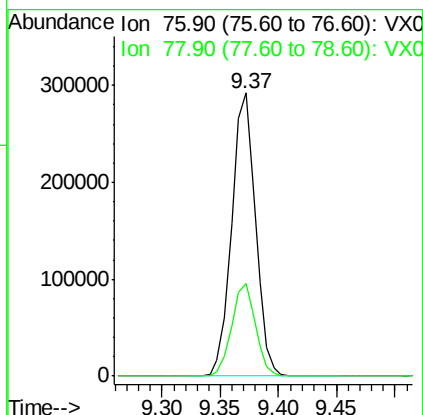
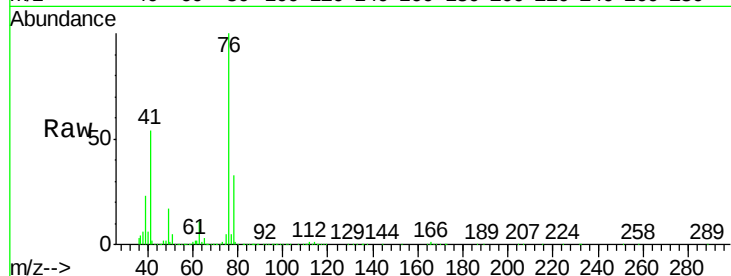
76 100

78 32.9 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 260.972 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007078.D

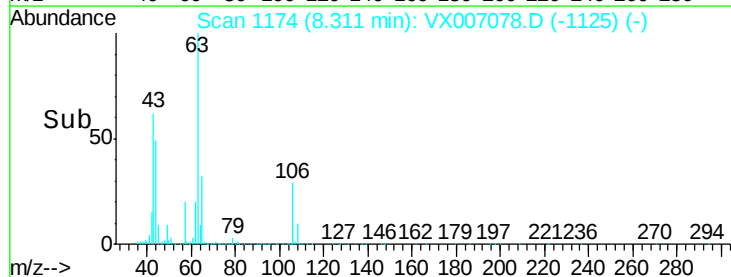
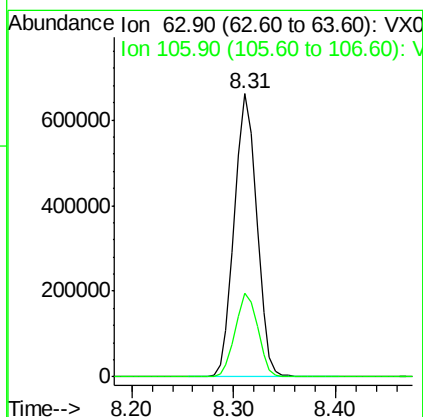
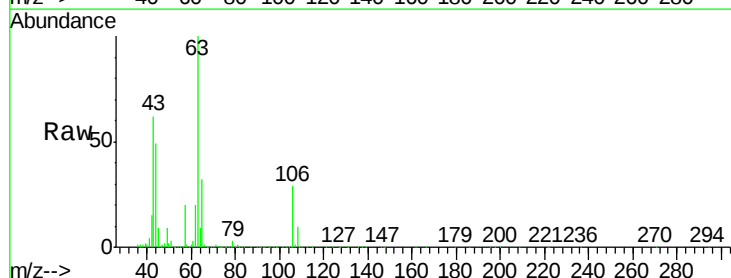
Acq: 17 Jan 2019 10:14

Tgt Ion: 63 Resp: 1005827

Ion Ratio Lower Upper

63 100

106 29.9 24.6 36.8





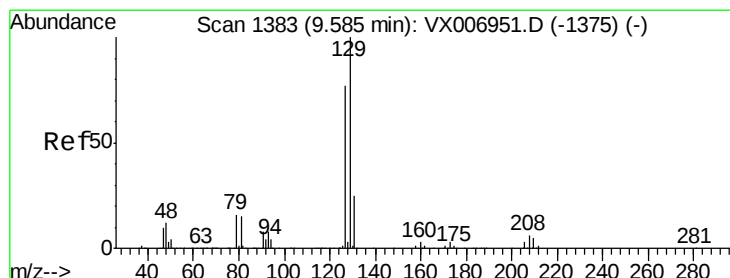
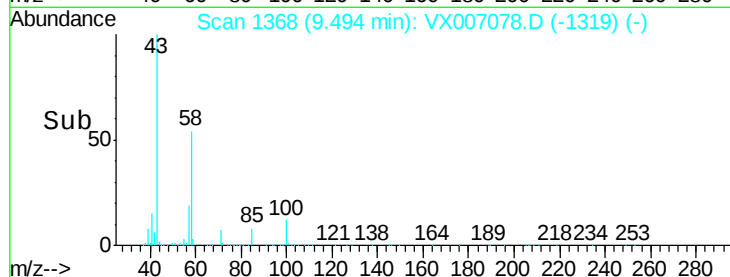
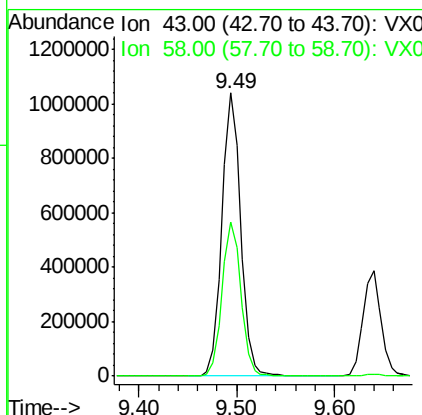
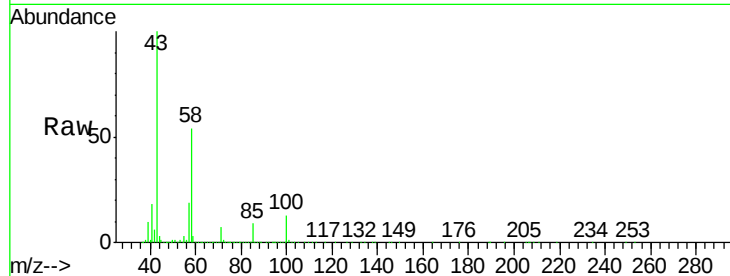
#59
2-Hexanone
Concen: 256.611 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1390165
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.1

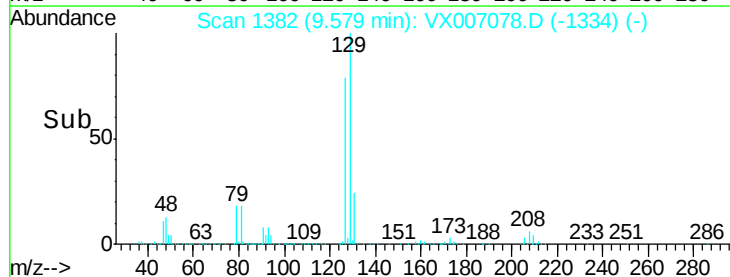
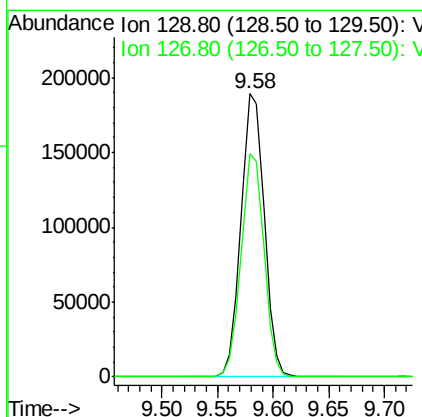
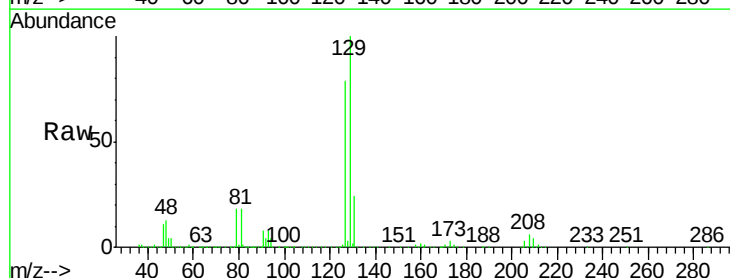
Manual Integrations
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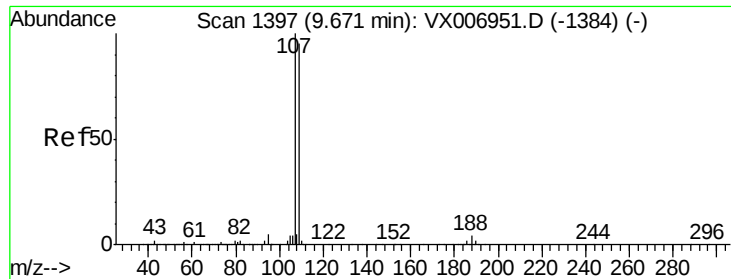
MMDadoda
1/18/2019 10:23:19 AM



#60
Dibromochloromethane
Concen: 55.296 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion: 129 Resp: 275704
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8





#61

1,2-Dibromoethane

Concen: 49.941 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 282307

Ion Ratio Lower Upper

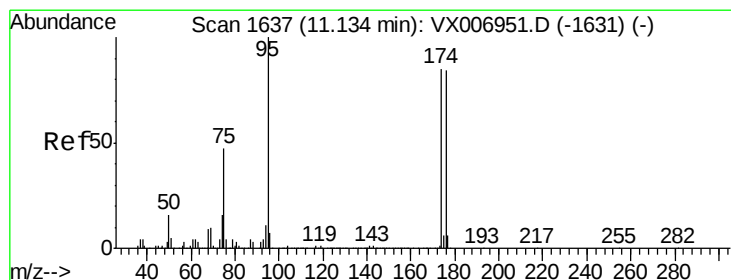
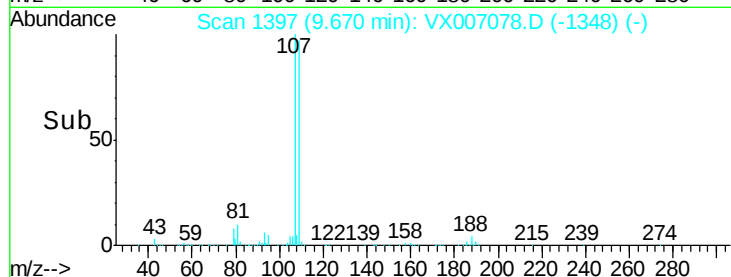
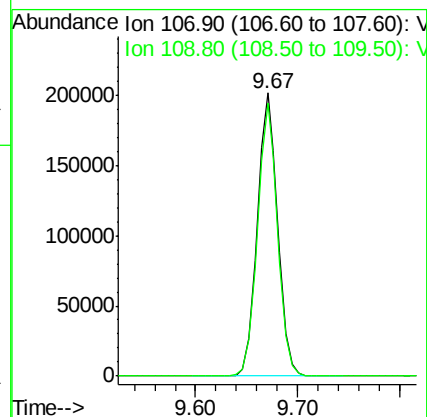
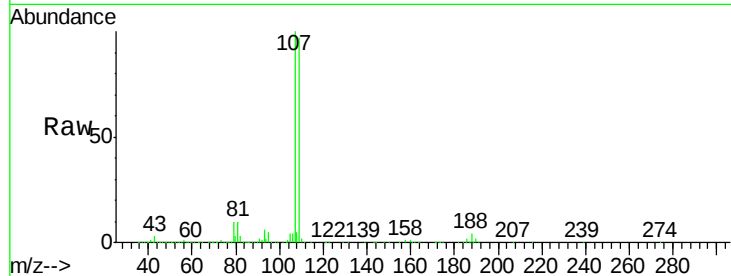
107 100

109 95.3 75.8 113.6

Manual Integrations
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MMDadoda

1/18/2019 10:23:19 AM



#62

4-Bromofluorobenzene

Concen: 52.165 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

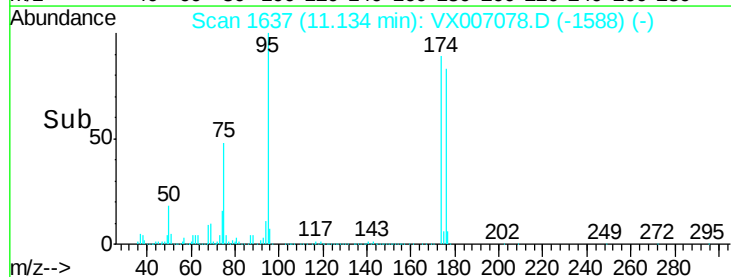
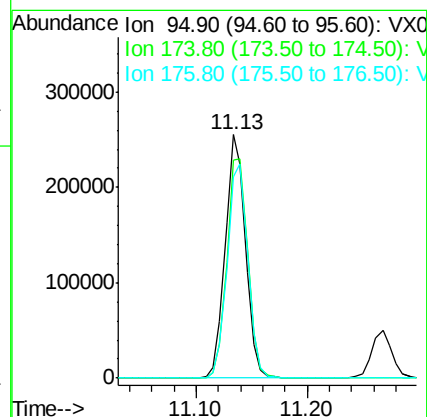
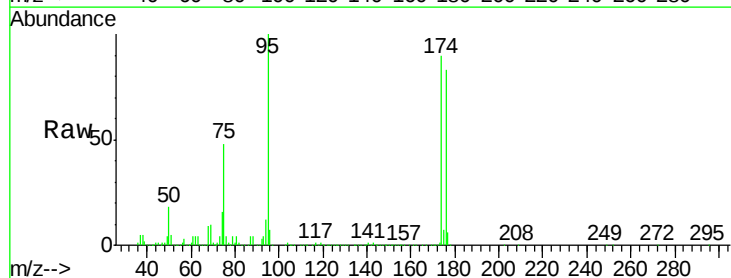
Tgt Ion: 95 Resp: 320725

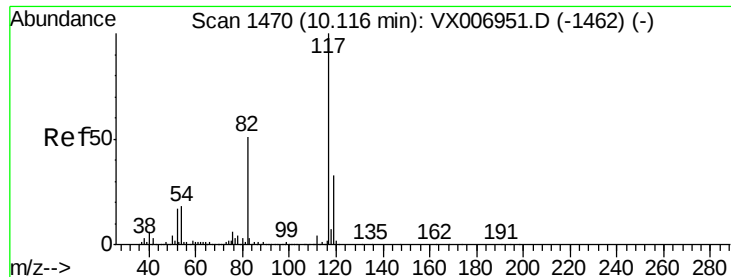
Ion Ratio Lower Upper

95 100

174 93.8 0.0 182.2

176 90.0 0.0 178.8





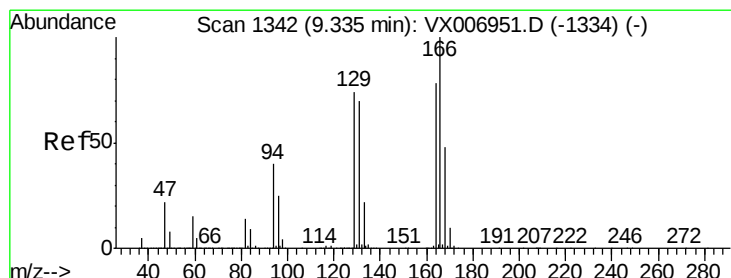
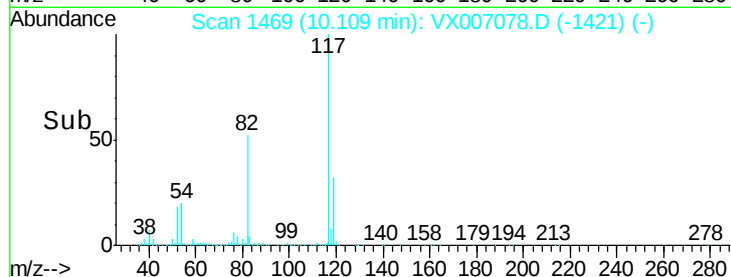
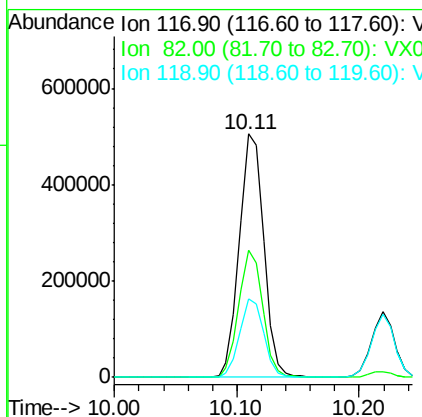
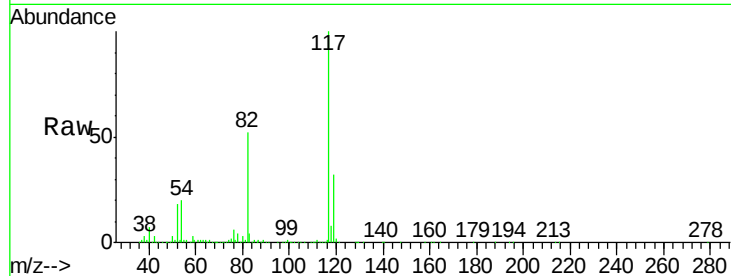
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.0	61.6
119	32.1	25.4	38.0

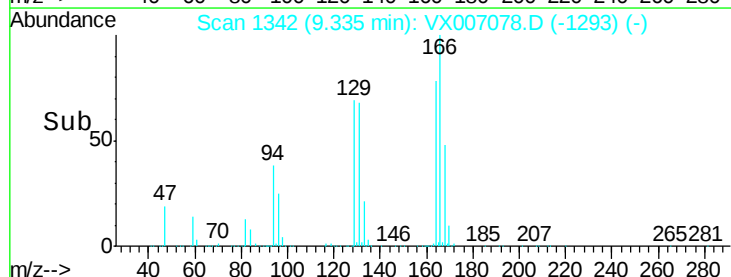
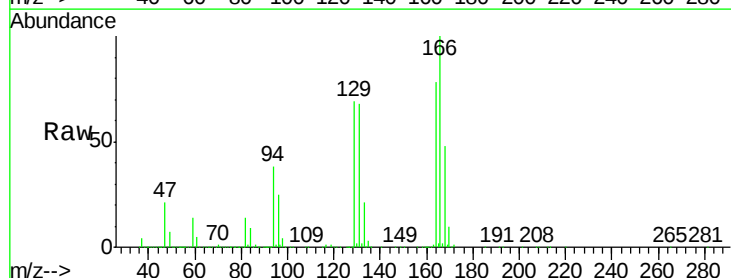
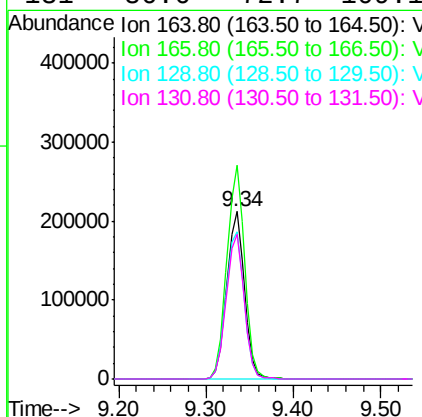
Manual Integrations
APPROVED

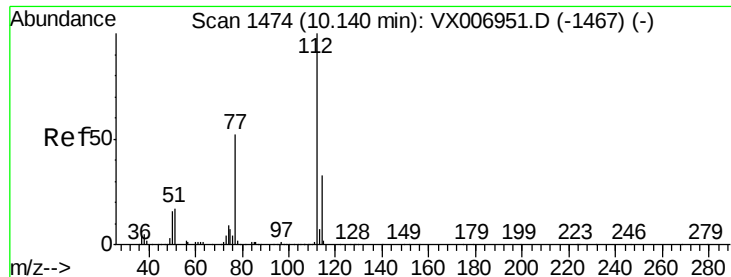
MMDadoda
1/18/2019 10:23:19 AM



#64
Tetrachloroethene
Concen: 49.049 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.5	153.7
129	88.4	75.1	112.7
131	86.6	72.7	109.1





#65

Chlorobenzene

Concen: 48.595 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 743458

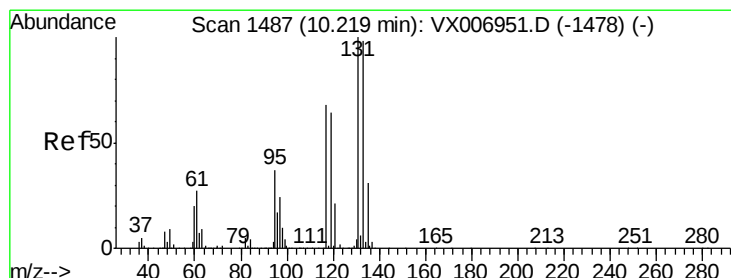
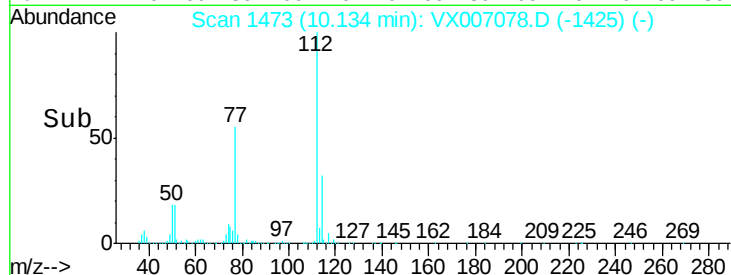
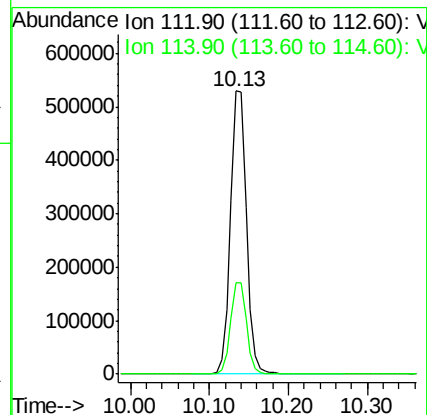
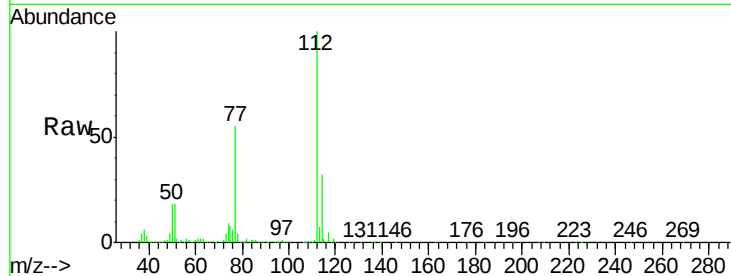
Ion Ratio Lower Upper

112 100

114 32.2 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
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#66

1,1,1,2-Tetrachloroethane

Concen: 52.013 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

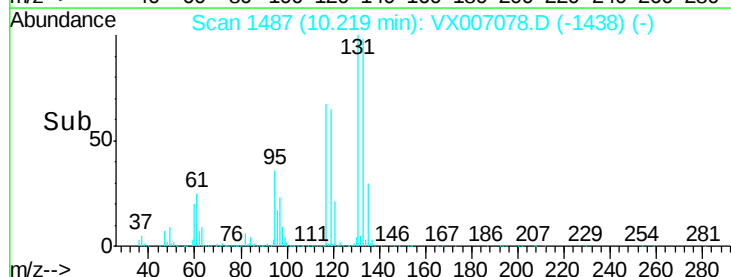
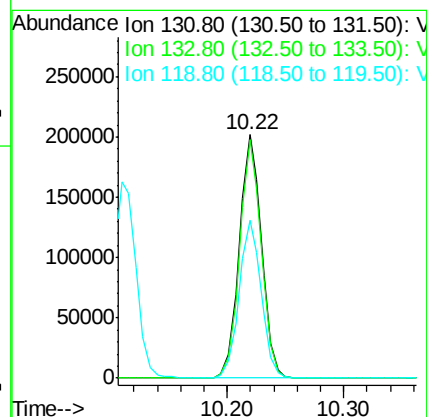
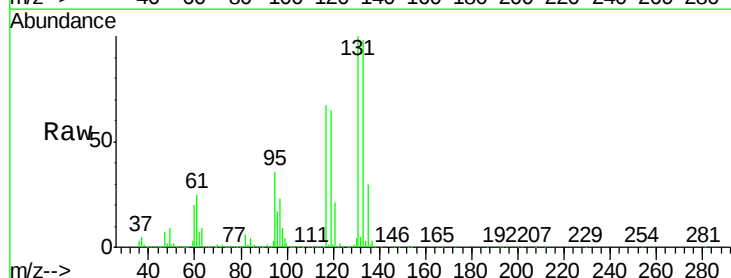
Tgt Ion:131 Resp: 267688

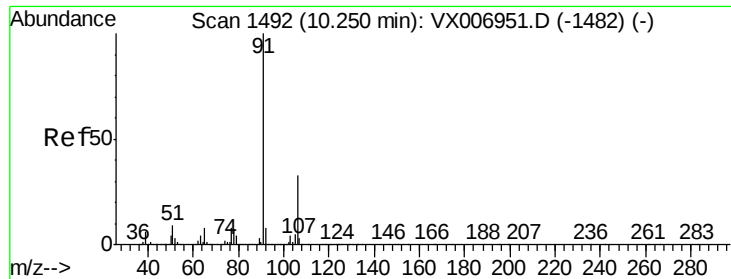
Ion Ratio Lower Upper

131 100

133 95.5 48.0 144.2

119 64.3 32.6 97.8





#67

Ethyl Benzene

Concen: 49.148 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1241331

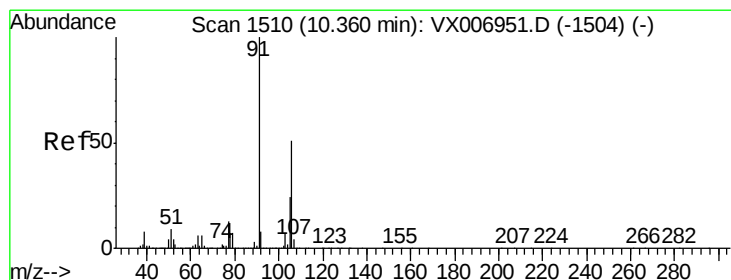
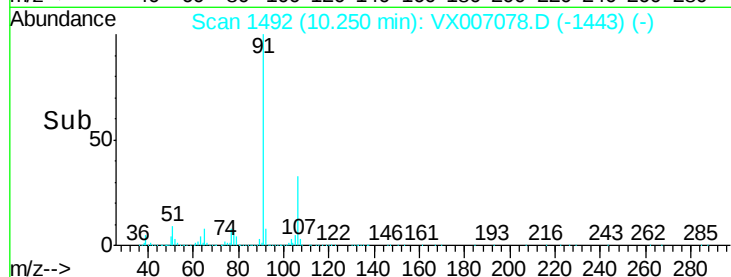
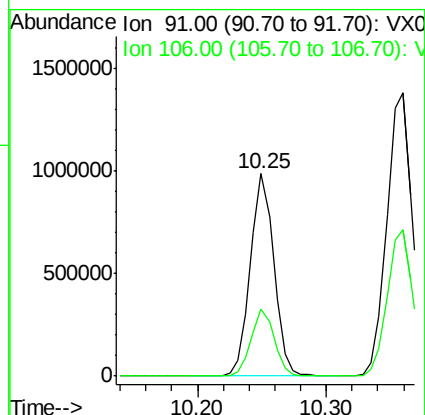
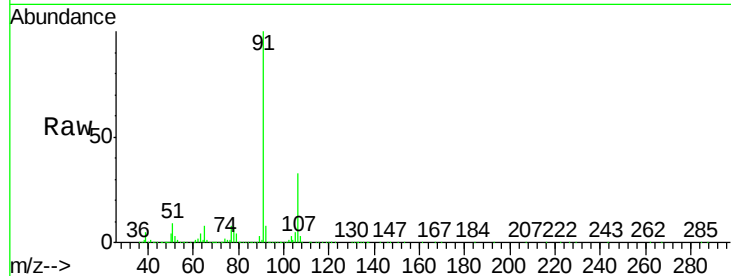
Ion Ratio Lower Upper

91 100

106 33.1 26.4 39.6

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#68

m/p-Xylenes

Concen: 99.132 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007078.D

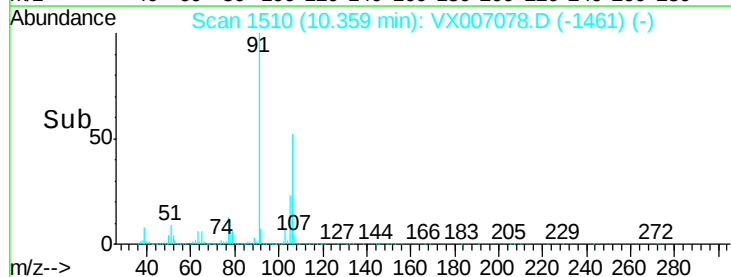
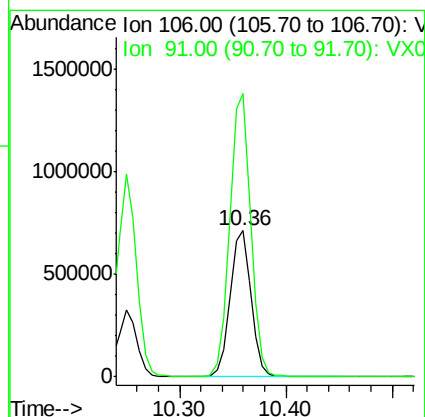
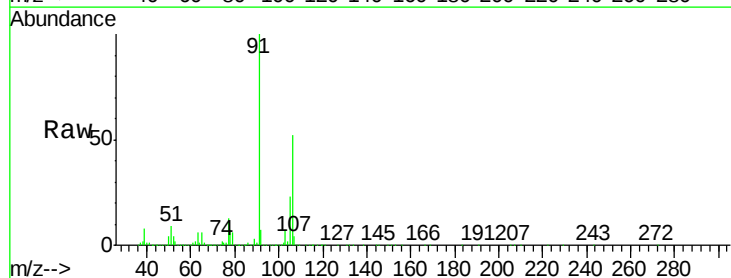
Acq: 17 Jan 2019 10:14

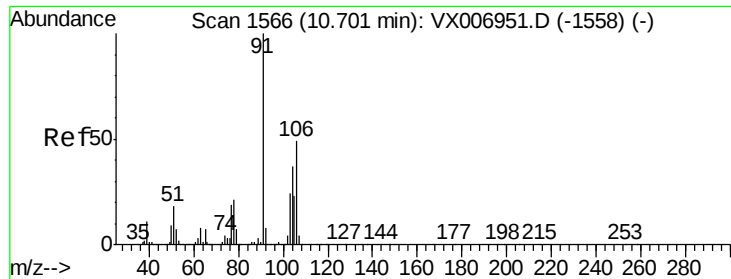
Tgt Ion: 106 Resp: 986445

Ion Ratio Lower Upper

106 100

91 194.8 155.8 233.6





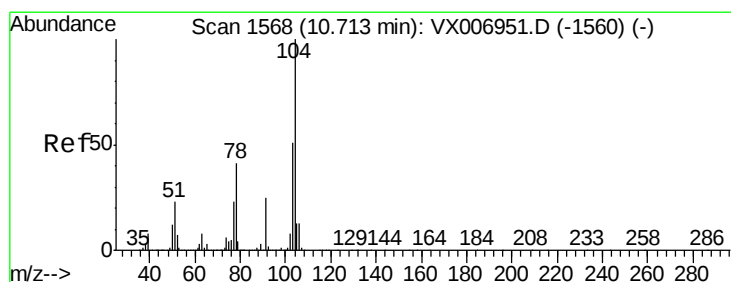
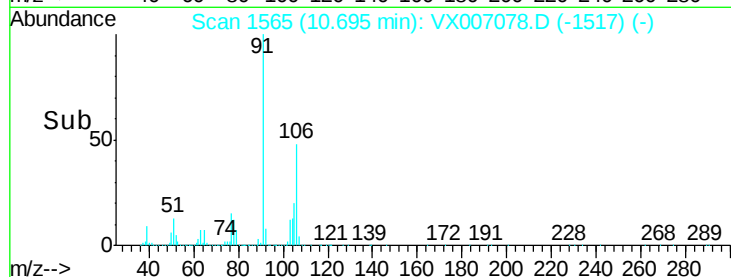
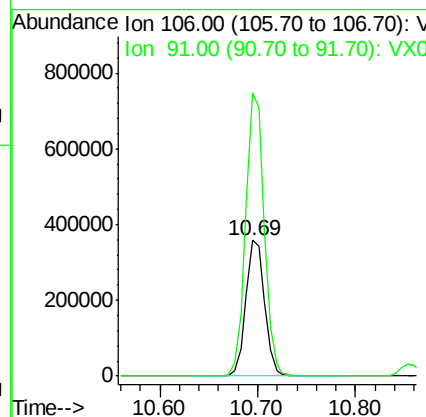
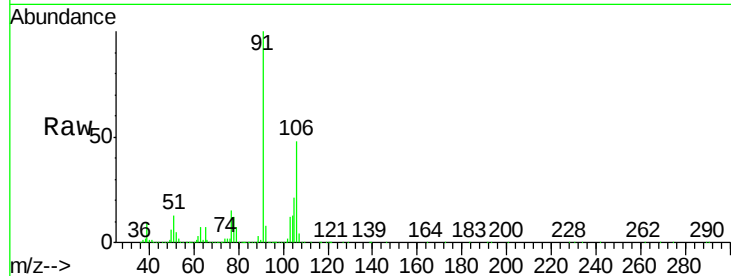
#69
o-Xylene
Concen: 49.042 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 475929
Ion Ratio Lower Upper
106 100
91 206.6 101.3 303.7

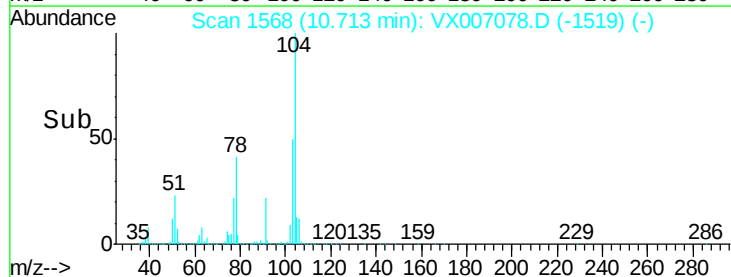
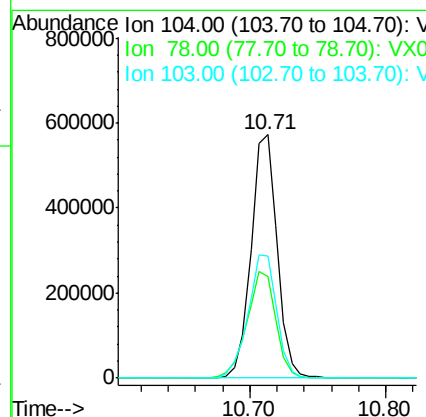
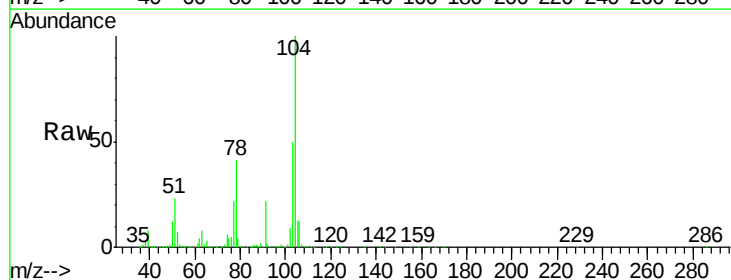
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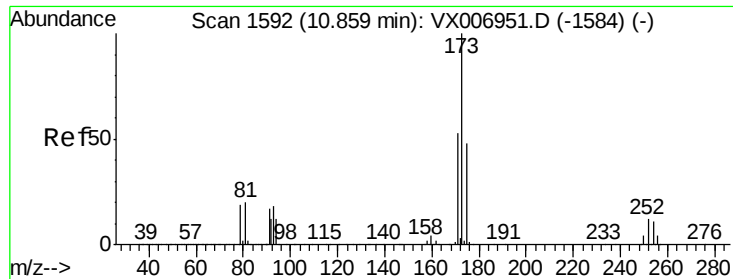
MMDadoda
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#70
Styrene
Concen: 50.087 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion:104 Resp: 769831
Ion Ratio Lower Upper
104 100
78 48.5 37.7 56.5
103 55.9 43.8 65.8





#71

Bromoform

Concen: 45.588 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 207789

Ion Ratio Lower Upper

173 100

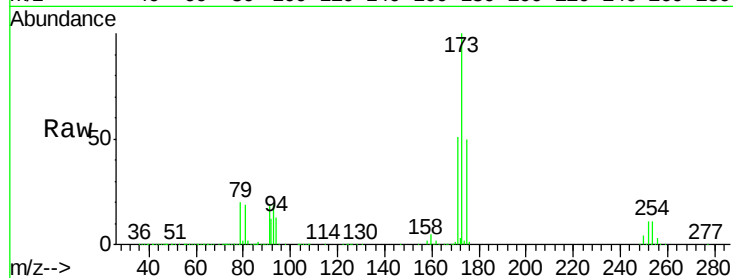
175 49.1 24.7 74.1

254 0.1 0.2 0.2#

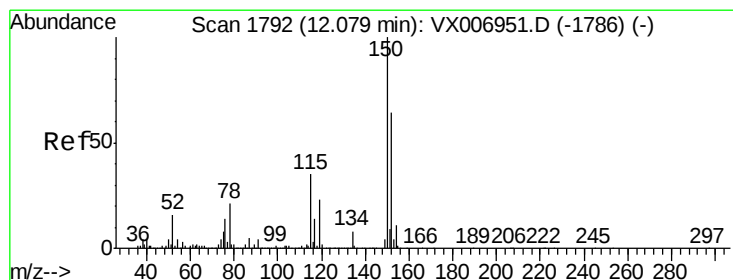
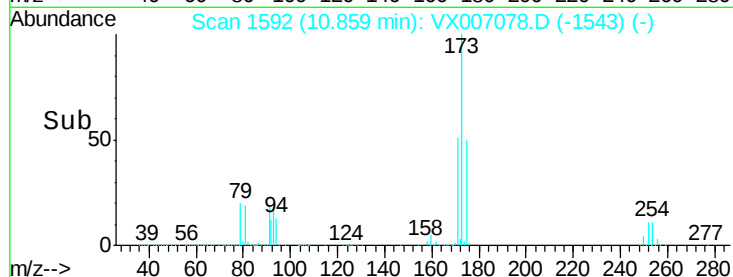
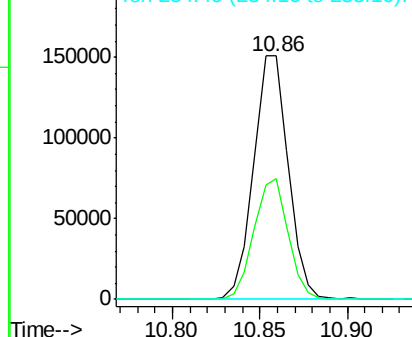
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

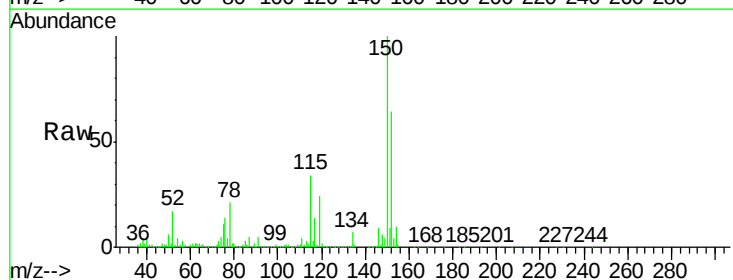
Tgt Ion:152 Resp: 374502

Ion Ratio Lower Upper

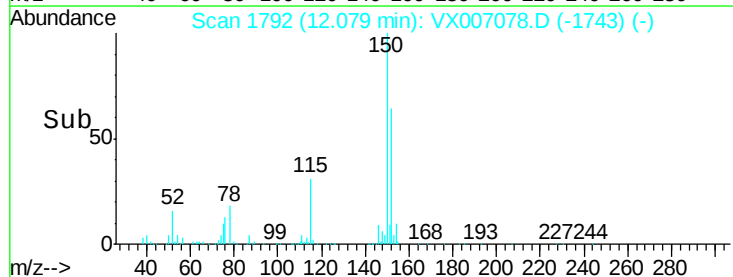
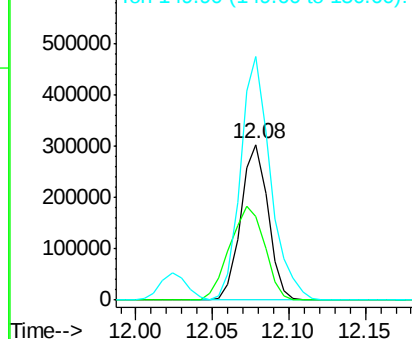
152 100

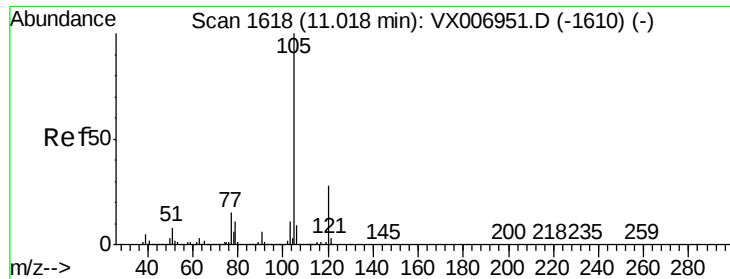
115 77.5 39.1 117.2

150 172.5 0.0 344.8



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





#73

Isopropylbenzene

Concen: 48.512 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1281098

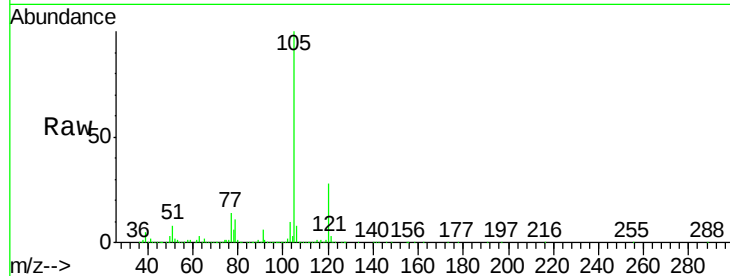
Ion Ratio Lower Upper

105 100

120 27.9 14.1 42.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

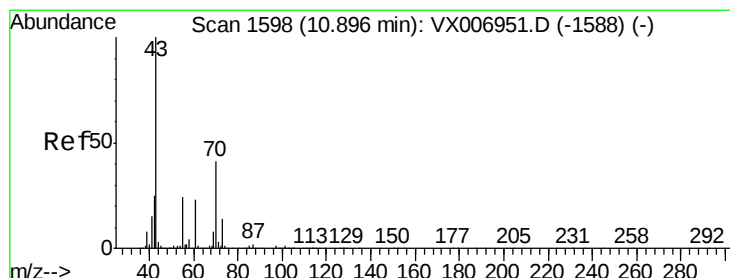
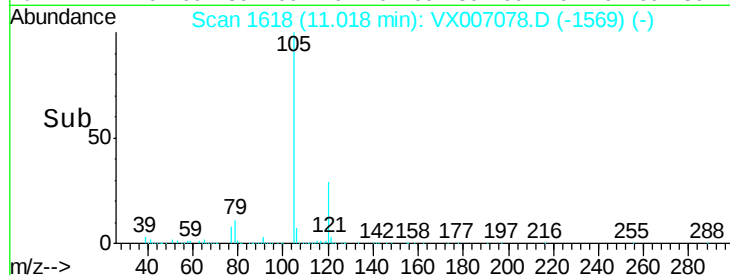
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 47.291 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion: 43 Resp: 502811

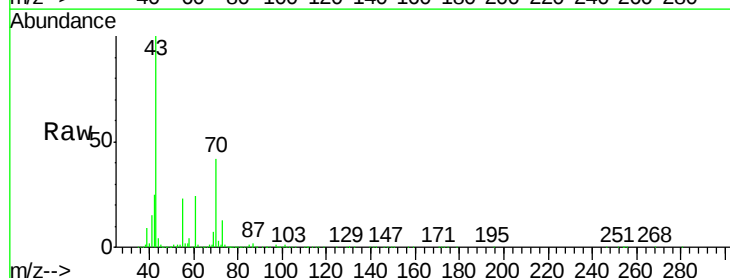
Ion Ratio Lower Upper

43 100

70 41.8 35.8 53.8

55 24.3 19.4 29.0

61 24.4 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

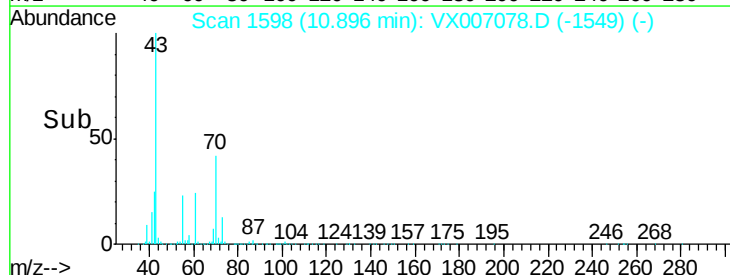
600000

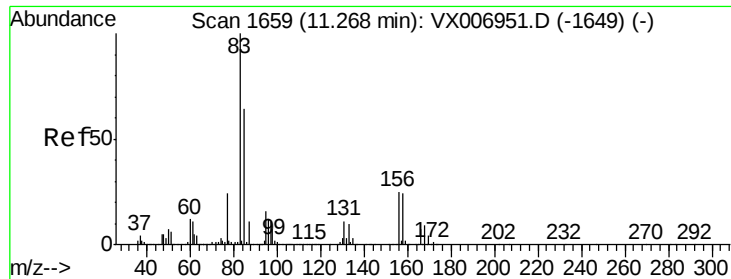
400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 46.188 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 387219

Ion Ratio Lower Upper

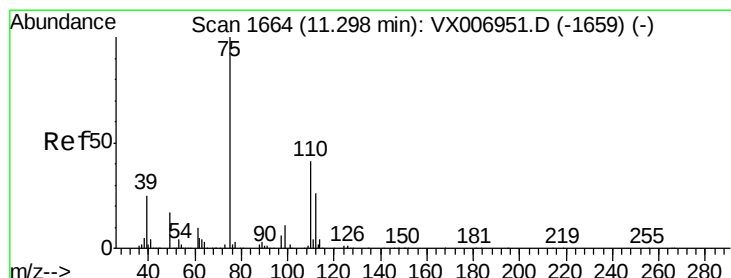
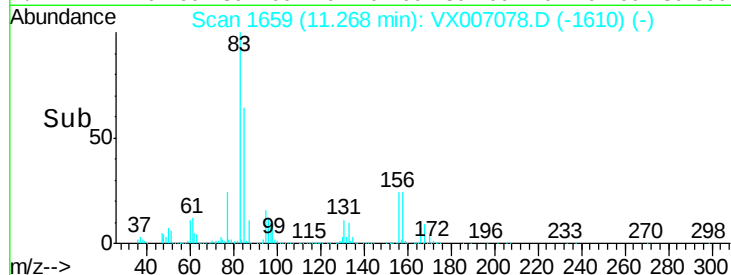
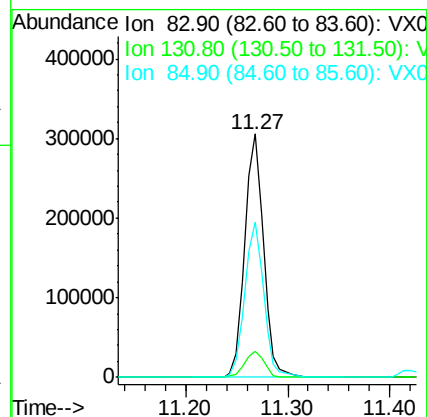
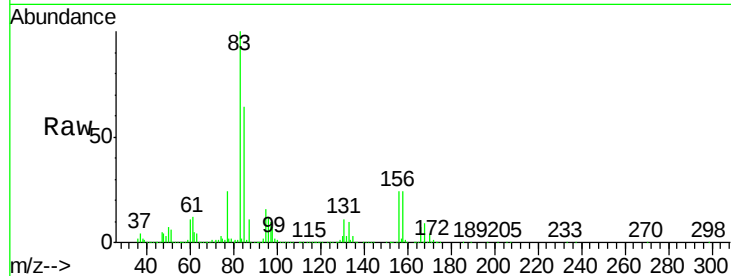
83 100

131 11.2 5.7 17.1

85 64.2 32.2 96.6

Manual Integrations
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MMDadoda
1/18/2019 10:23:19 AM



#76

1,2,3-Trichloropropane

Concen: 48.700 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007078.D

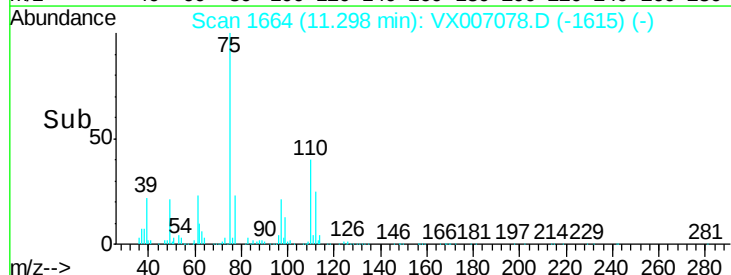
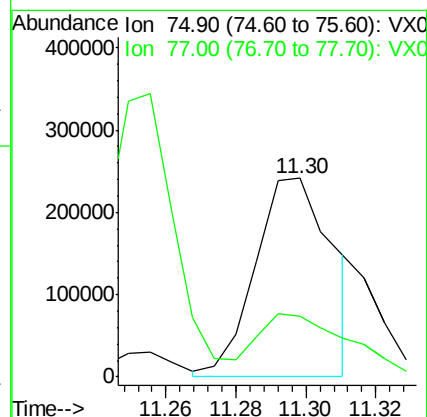
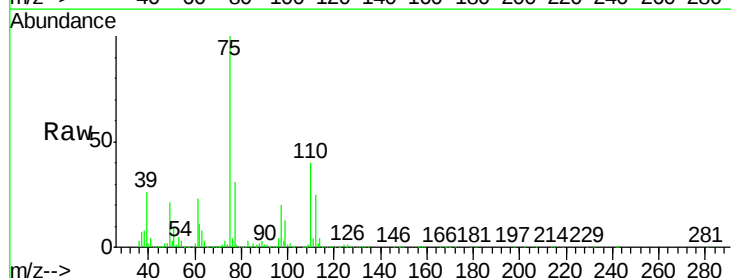
Acq: 17 Jan 2019 10:14

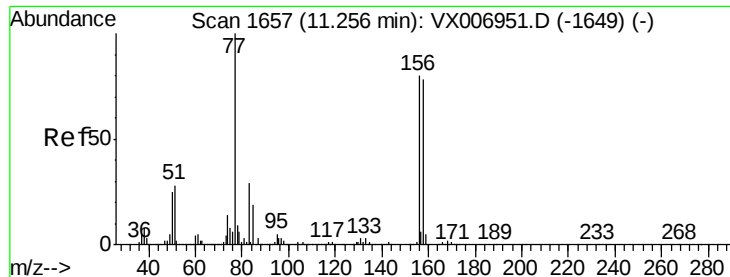
Tgt Ion: 75 Resp: 369588

Ion Ratio Lower Upper

75 100

77 37.0 18.5 55.5





#77

Bromobenzene

Concen: 47.460 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 345332

Ion Ratio Lower Upper

156 100

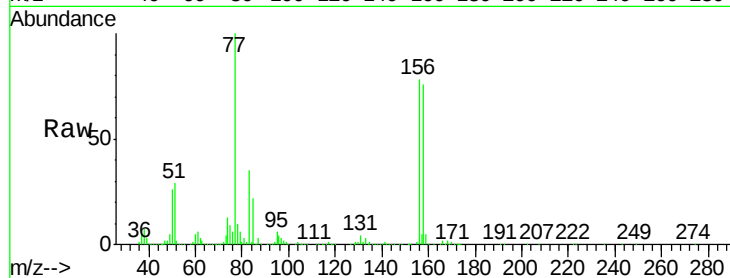
77 135.4 68.0 204.0

158 97.2 48.3 144.8

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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

400000

300000

200000

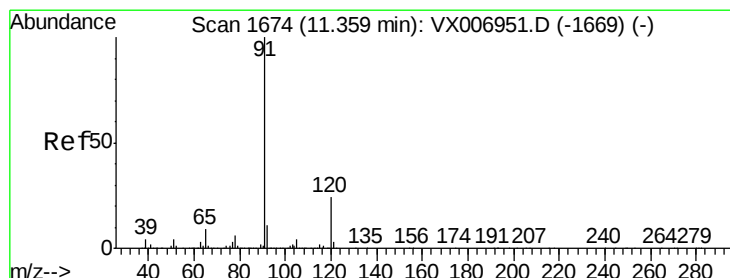
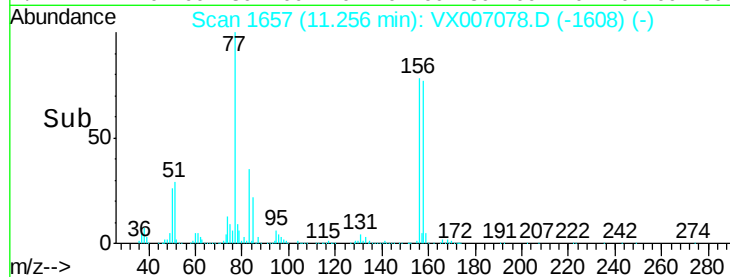
100000

0

11.20

11.30

Time-->



#78

n-propylbenzene

Concen: 50.072 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007078.D

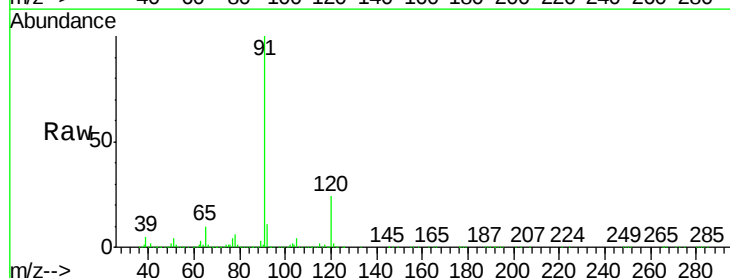
Acq: 17 Jan 2019 10:14

Tgt Ion: 91 Resp: 1451580

Ion Ratio Lower Upper

91 100

120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

1000000

500000

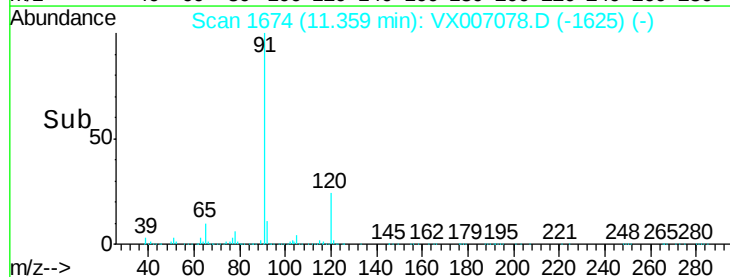
0

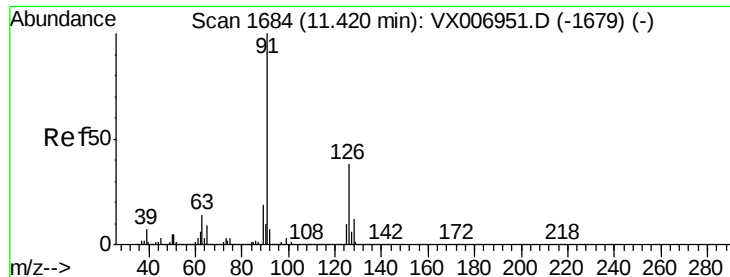
11.30

11.35

11.40

Time-->





#79

2-Chlorotoluene

Concen: 48.250 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 841993

Ion Ratio Lower Upper

91 100

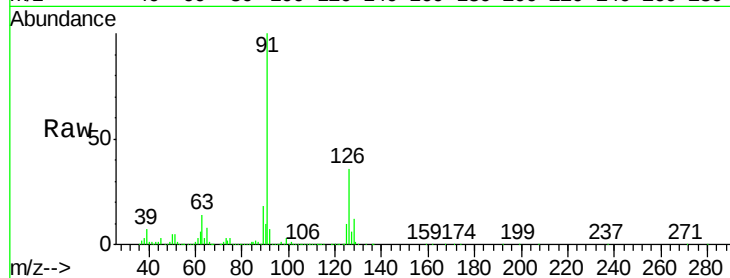
126 37.1 18.6 56.0

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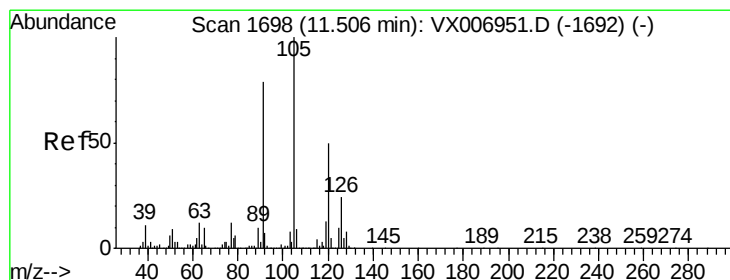
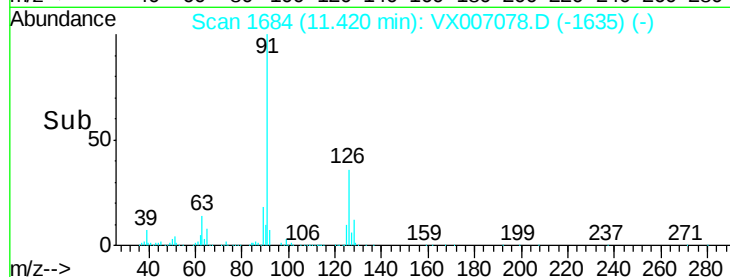
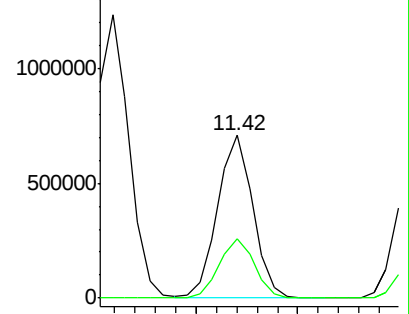
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Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006951.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.189 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007078.D

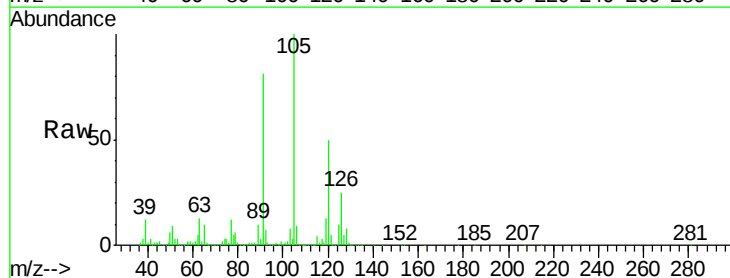
Acq: 17 Jan 2019 10:14

Tgt Ion: 105 Resp: 1063316

Ion Ratio Lower Upper

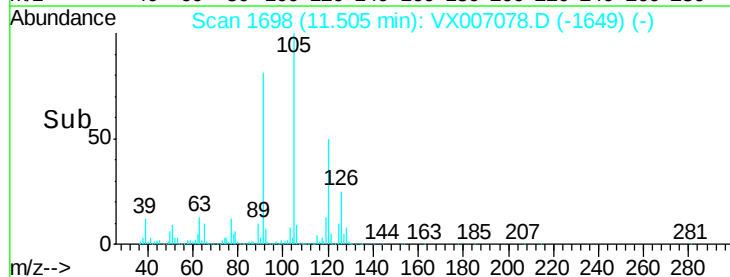
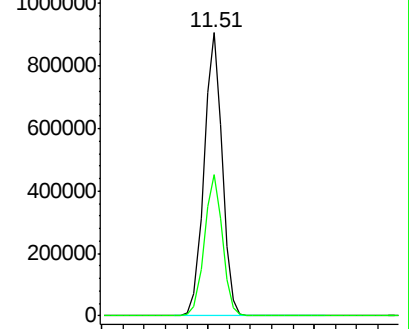
105 100

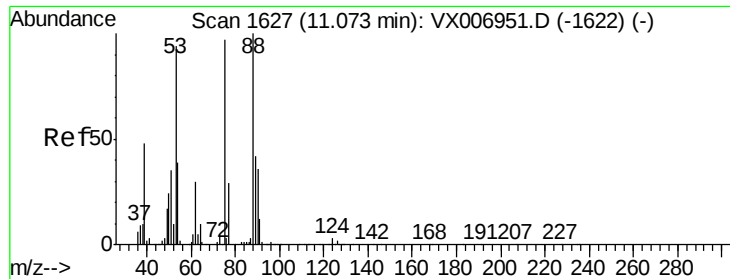
120 49.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1692) (-)





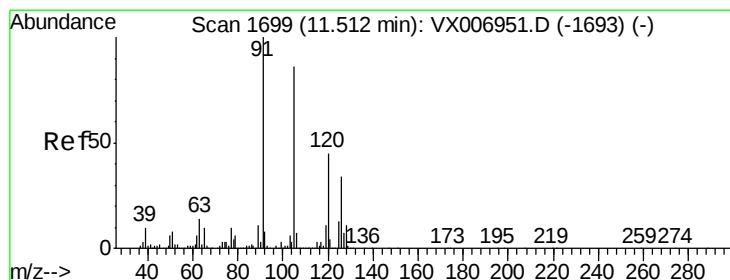
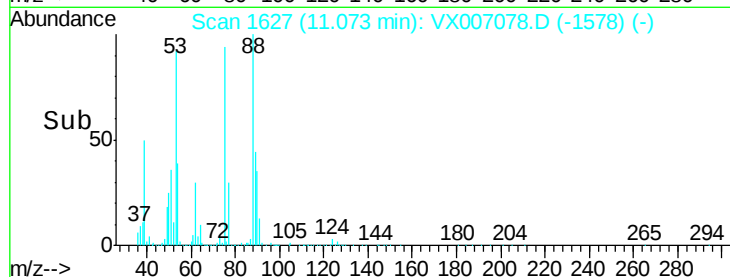
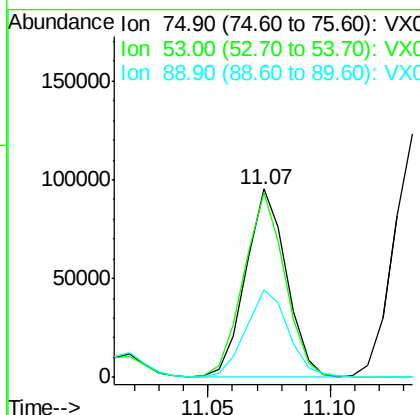
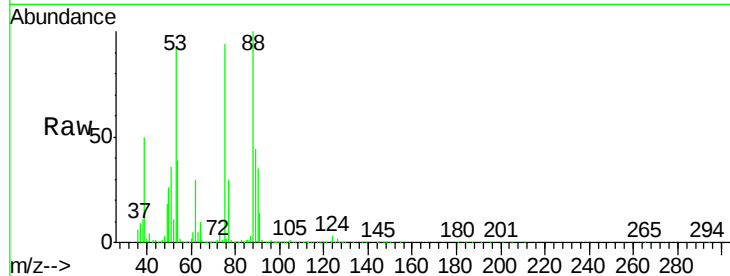
#81
trans-1,4-Dichloro-2-butene
Concen: 44.106 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.4	79.7	119.5
89	49.6	38.0	57.0

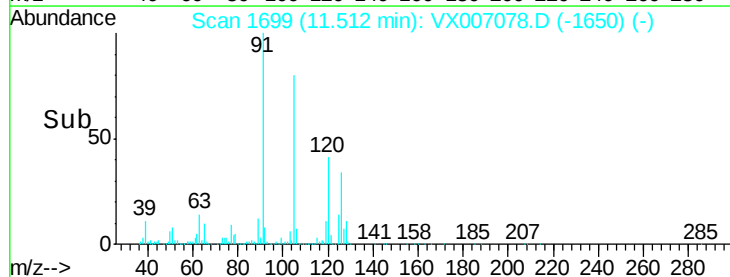
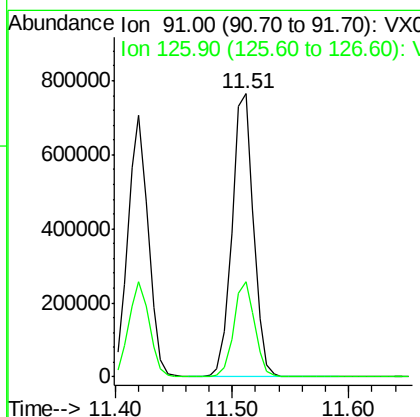
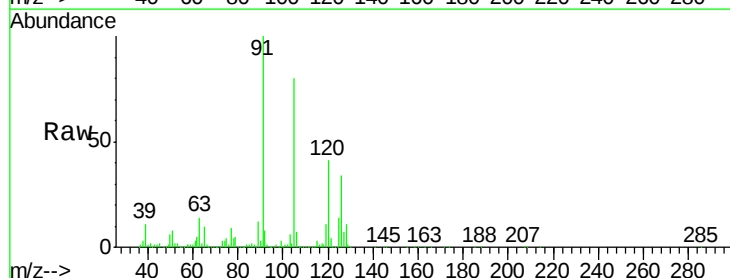
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#82
4-Chlorotoluene
Concen: 48.721 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.3	48.9





#83

tert-Butylbenzene

Concen: 47.727 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1050740

Ion Ratio Lower Upper

119 100

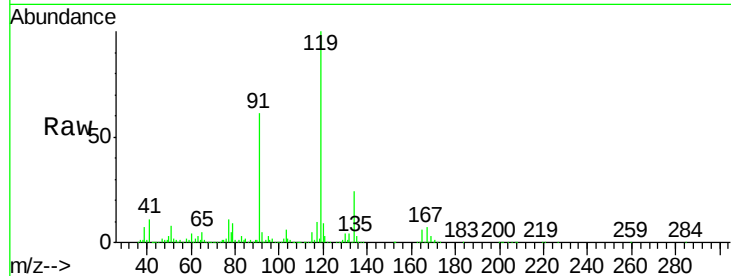
91 56.9 27.7 83.1

134 23.8 11.9 35.5

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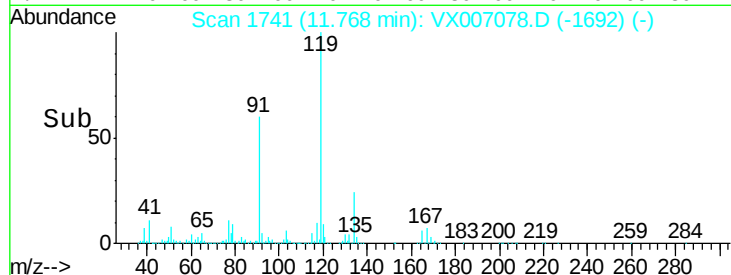


Abundance Ion 119.00 (118.70 to 119.70): V

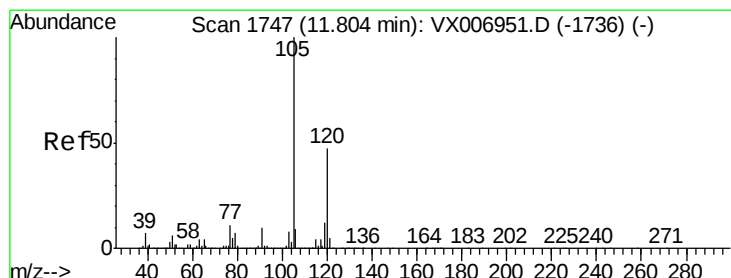
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 49.342 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007078.D

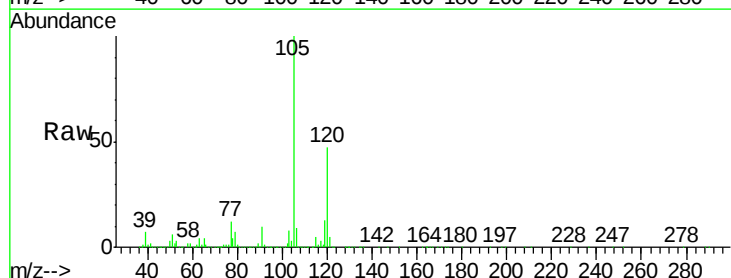
Acq: 17 Jan 2019 10:14

Tgt Ion:105 Resp: 1094852

Ion Ratio Lower Upper

105 100

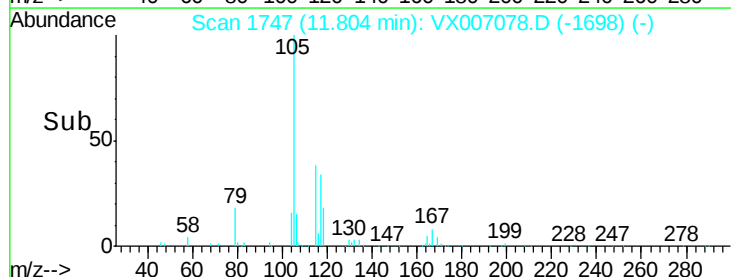
120 46.1 23.2 69.6



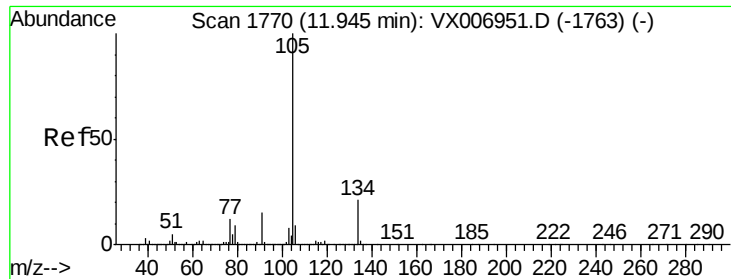
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->



Time-->



#85

sec-Butylbenzene

Concen: 49.969 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1313802

Ion Ratio Lower Upper

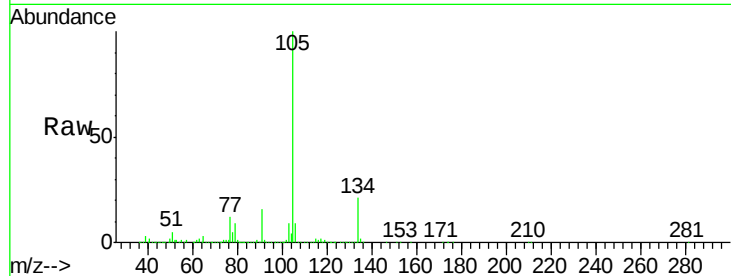
105 100

134 21.3 10.7 31.9

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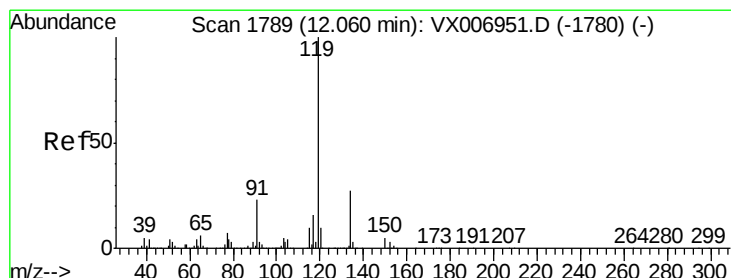
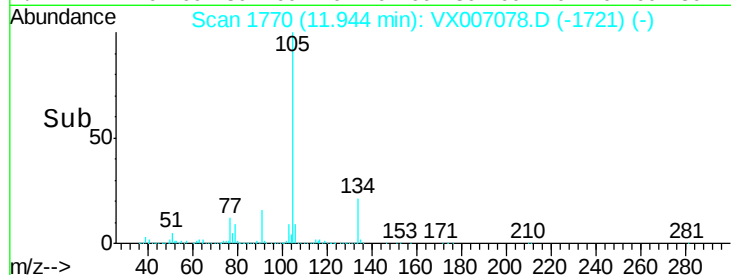
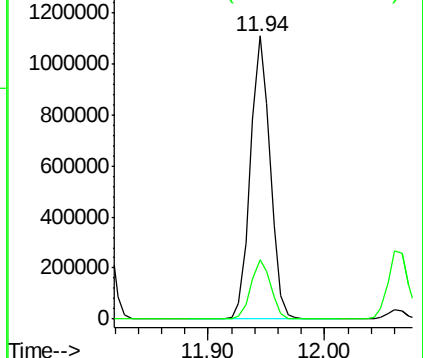
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.136 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

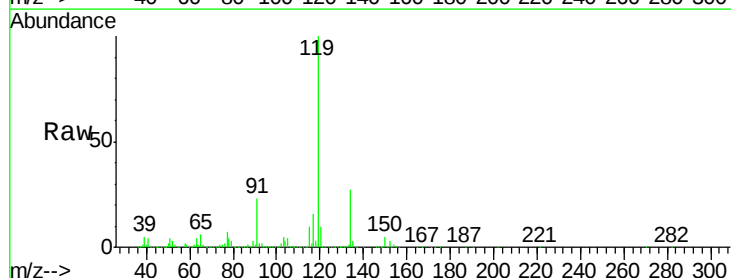
Tgt Ion:119 Resp: 1179087

Ion Ratio Lower Upper

119 100

134 27.8 14.0 41.9

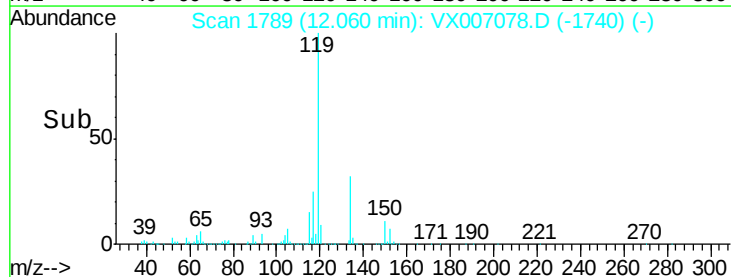
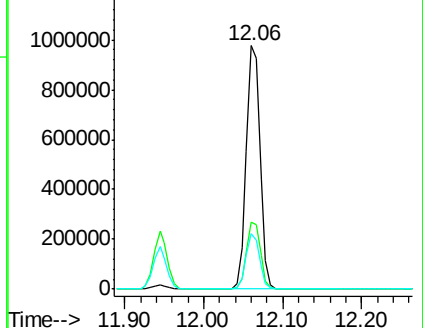
91 22.5 11.3 33.9

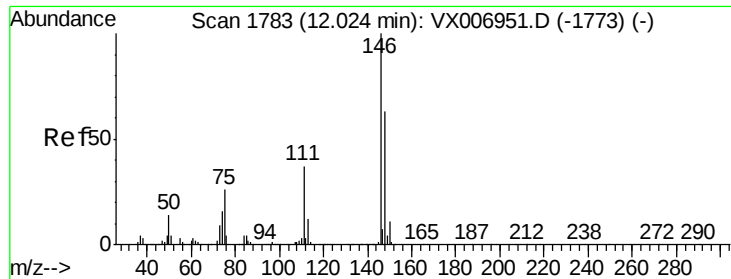


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





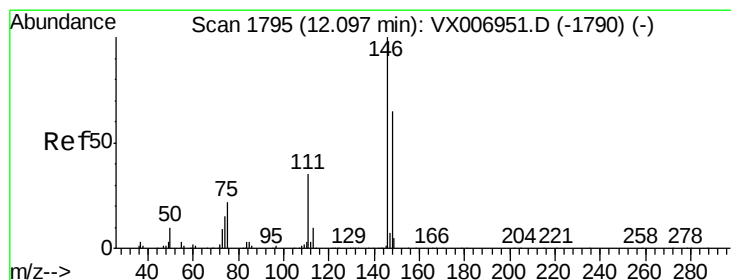
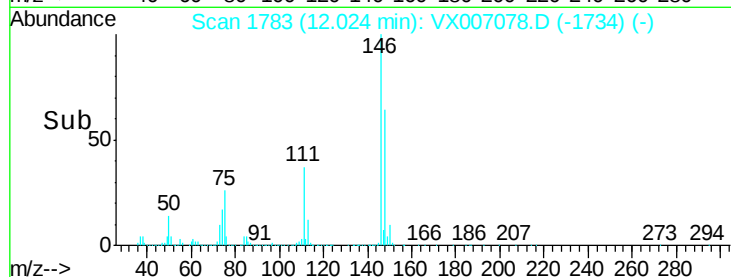
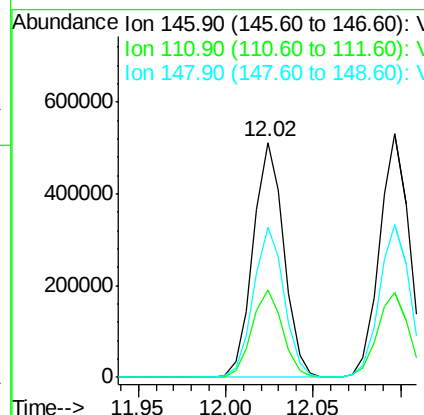
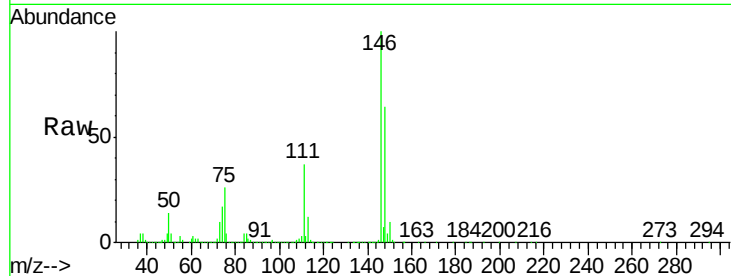
#87
 1,3-Dichlorobenzene
 Concen: 47.732 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007078.D
 Acq: 17 Jan 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	63.4	31.8	95.3

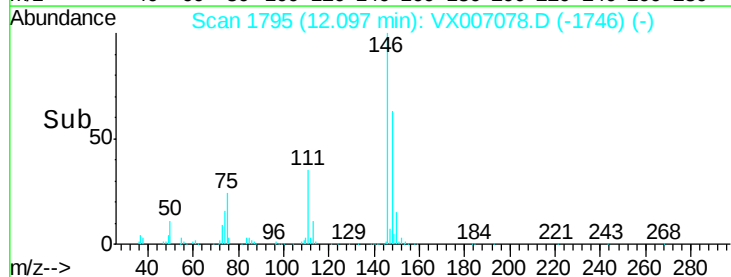
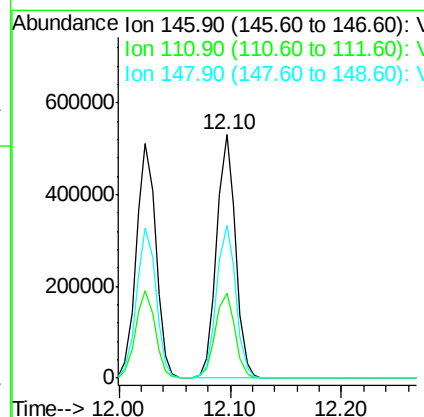
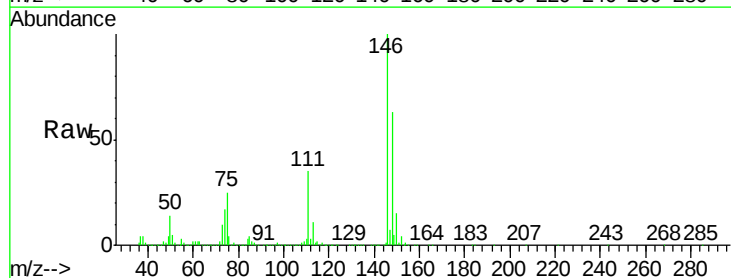
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#88
 1,4-Dichlorobenzene
 Concen: 50.312 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007078.D
 Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	64.3	31.9	95.9





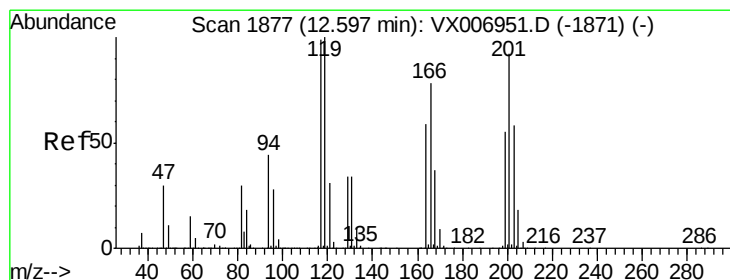
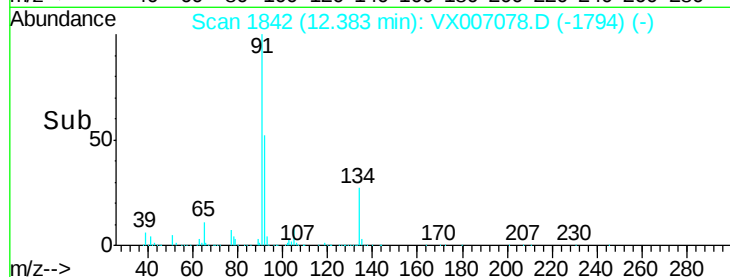
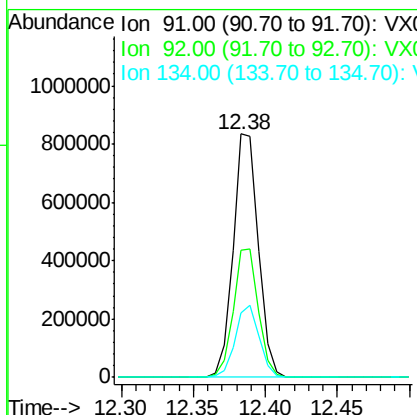
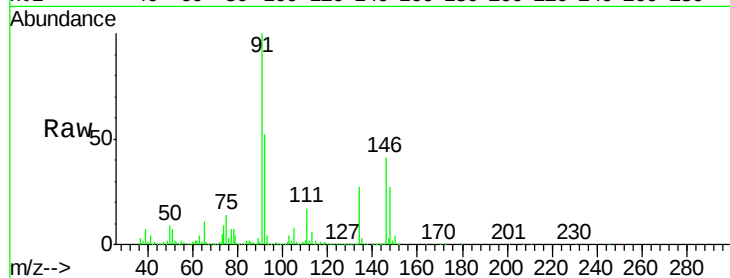
#89
n-Butylbenzene
Concen: 51.070 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1023849
Ion Ratio Lower Upper
91 100
92 52.5 26.8 80.4
134 28.1 14.4 43.2

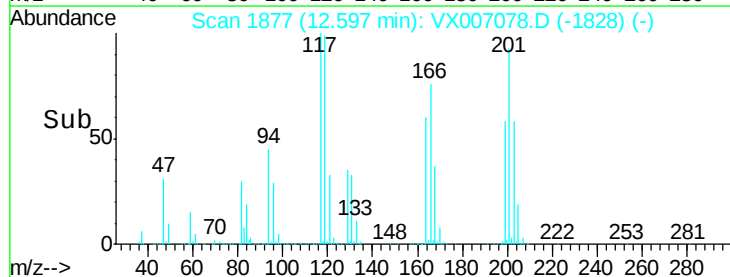
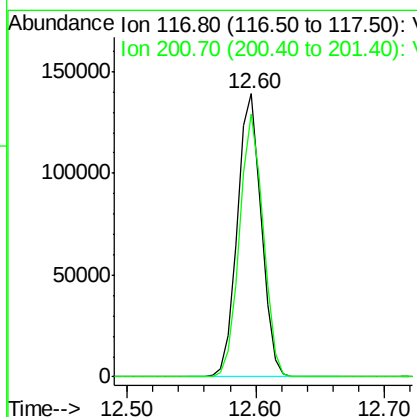
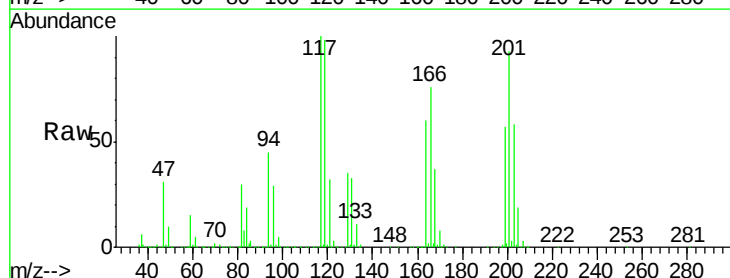
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#90
Hexachloroethane
Concen: 48.114 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007078.D
Acq: 17 Jan 2019 10:14

Tgt Ion: 117 Resp: 180205
Ion Ratio Lower Upper
117 100
201 90.9 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 46.865 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

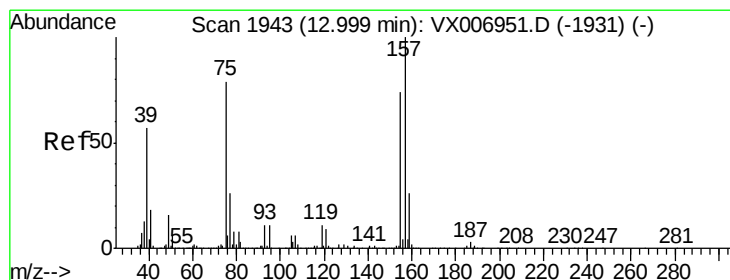
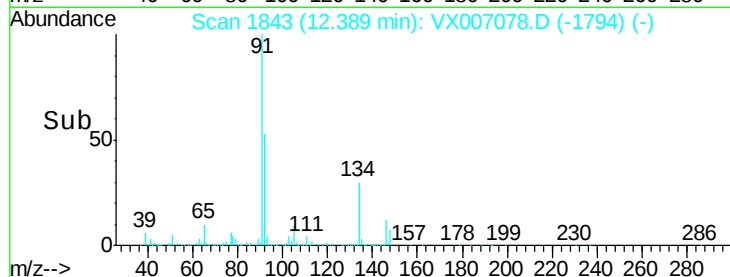
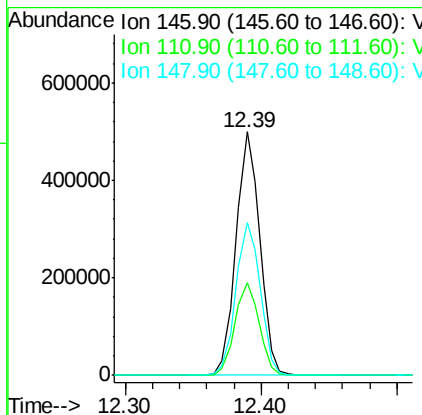
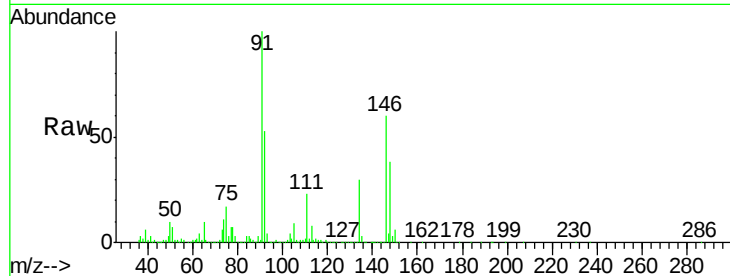
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	608251
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.4	58.2
148	64.4	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.241 ug/l

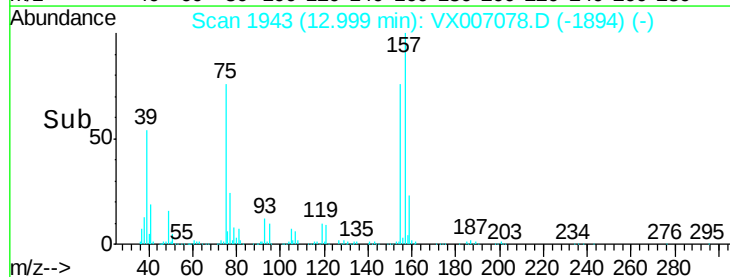
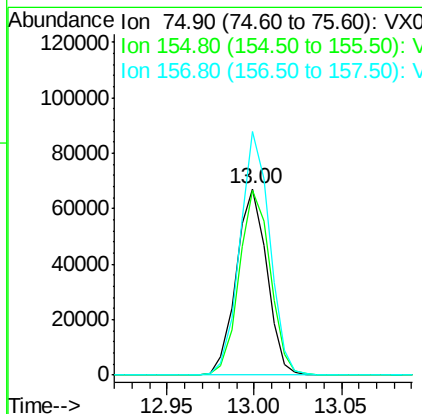
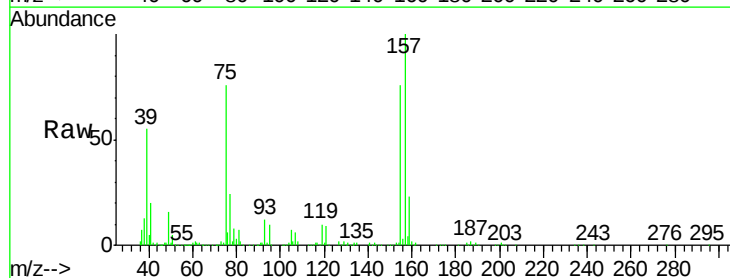
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion:	75	Resp:	81644
Ion Ratio	Lower	Upper	
75	100		
155	101.1	50.6	151.8
157	127.9	64.6	193.8





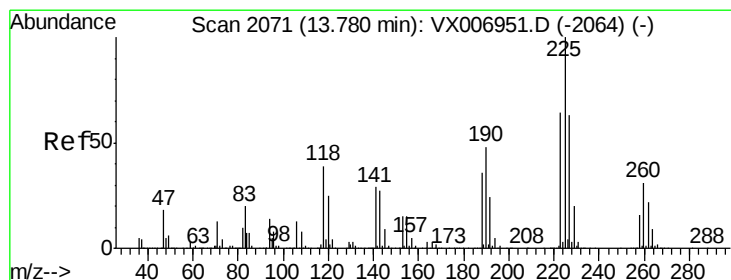
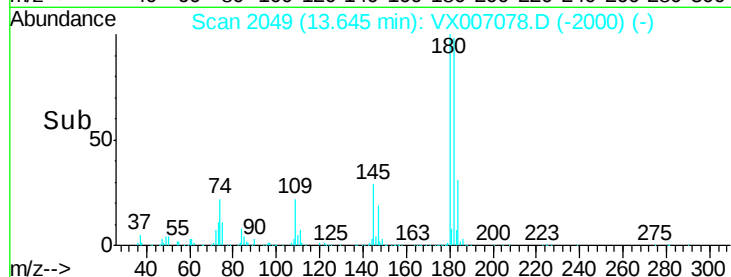
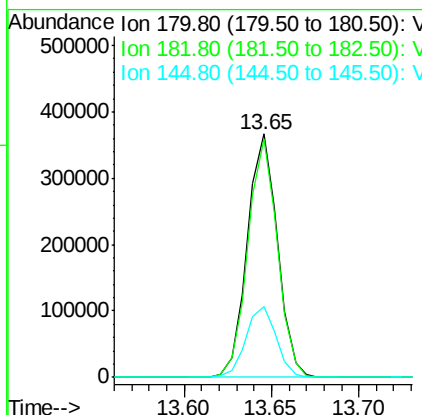
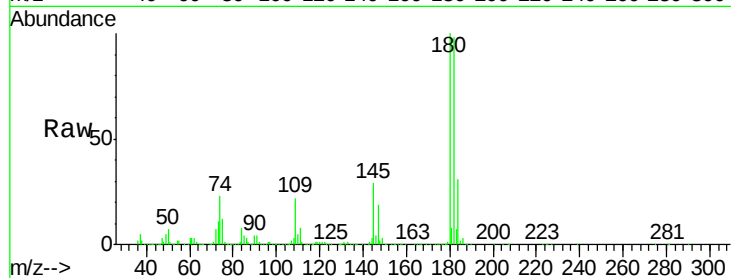
#93
 1,2,4-Trichlorobenzene
 Concen: 49.293 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007078.D
 Acq: 17 Jan 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	142.0
145	29.3	14.8	44.3

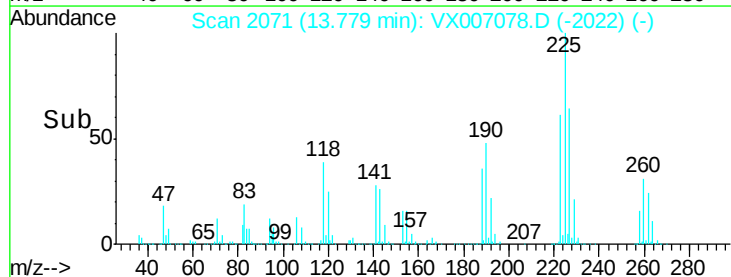
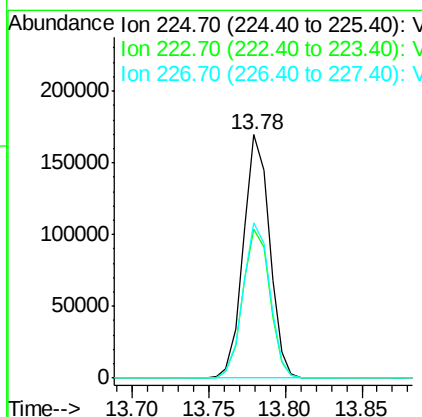
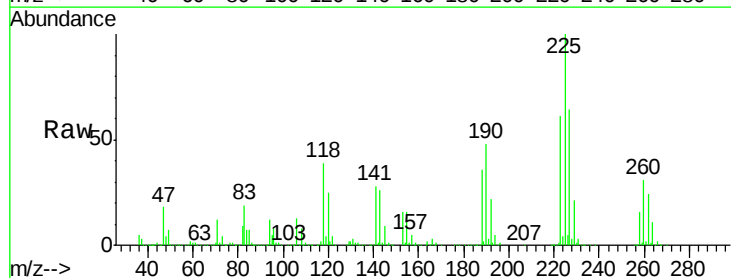
Manual Integrations
 APPROVED

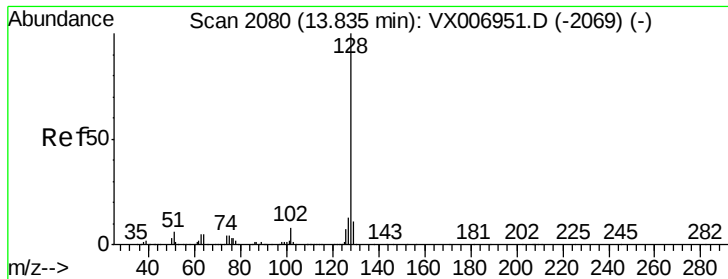
MMDadoda
 1/18/2019 10:23:19 AM



#94
 Hexachlorobutadiene
 Concen: 51.073 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007078.D
 Acq: 17 Jan 2019 10:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.1	96.3
227	65.4	32.3	96.8





#95

Naphthalene

Concen: 48.671 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1313269

Ion Ratio Lower Upper

128 100

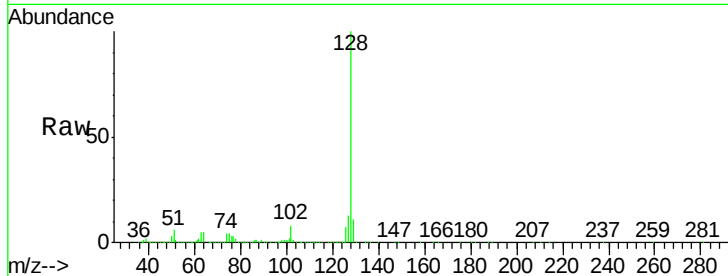
127 13.0 10.1 15.1

129 10.8 8.6 13.0

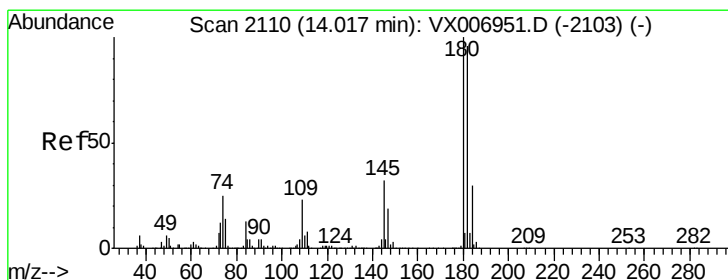
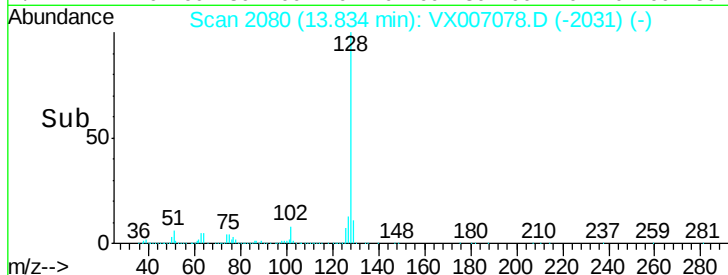
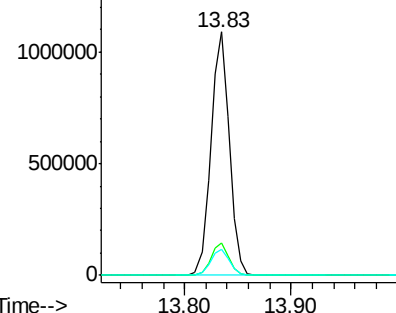
Manual Integrations
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MMDadoda

1/18/2019 10:23:19 AM



Abundance Ion 128.00 (127.70 to 128.70): V
1500000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.055 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

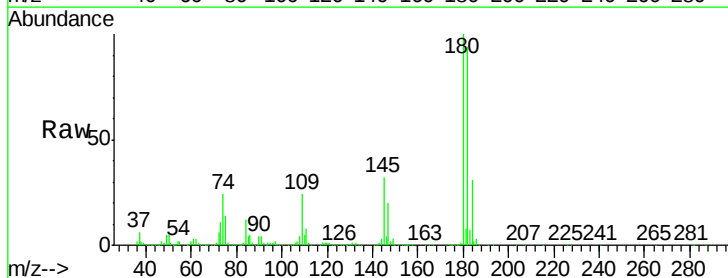
Tgt Ion:180 Resp: 433921

Ion Ratio Lower Upper

180 100

182 95.4 48.5 145.5

145 30.6 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V
400000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

