

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020819\
 Data File : VX007454.D
 Acq On : 08 Feb 2019 20:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:44:17 AM

Quant Time: Feb 08 23:28:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	475324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	712802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	648203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	333604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	245687	48.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.40%	
35) Dibromofluoromethane	5.50	113	225040	48.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	836670	48.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.13	95	297968	47.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	266017	45.559	ug/l	99
3) Chloromethane	1.33	50	239220	44.682	ug/l	99
4) Vinyl Chloride	1.41	62	258212	49.162	ug/l	99
5) Bromomethane	1.64	94	219619	42.212	ug/l	99
6) Chloroethane	1.72	64	157753	46.430	ug/l	100
7) Trichlorofluoromethane	1.93	101	394498	48.014	ug/l	98
8) Diethyl Ether	2.19	74	146180	47.269	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	223897	45.811	ug/l	99
10) Methyl Iodide	2.51	142	285552	39.718	ug/l	100
11) Tert butyl alcohol	3.07	59	252955	242.270	ug/l	99
12) 1,1-Dichloroethene	2.38	96	207643	45.753	ug/l	99
13) Acrolein	2.30	56	119134	243.325	ug/l	99
14) Allyl chloride	2.73	41	357917	48.402	ug/l	99
15) Acrylonitrile	3.15	53	639725	247.677	ug/l	100
16) Acetone	2.45	43	550142	238.047	ug/l	100
17) Carbon Disulfide	2.57	76	524044	44.406	ug/l	99
18) Methyl Acetate	2.78	43	335697	55.681	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	711097	48.364	ug/l	99
20) Methylene Chloride	2.86	84	231712	49.079	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	221627	45.843	ug/l	96
22) Diisopropyl ether	3.87	45	667812	49.096	ug/l	97
23) Vinyl Acetate	3.82	43	2793954	247.529	ug/l	100
24) 1,1-Dichloroethane	3.70	63	372191	47.647	ug/l	100
25) 2-Butanone	4.70	43	814129	247.537	ug/l	97
26) 2,2-Dichloropropane	4.58	77	259794	43.672	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	244218	46.249	ug/l	100
28) Bromochloromethane	5.02	49	169736	47.251	ug/l	100
29) Tetrahydrofuran	5.15	42	532928	257.639	ug/l	100
30) Chloroform	5.21	83	396723	48.671	ug/l	99
31) Cyclohexane	5.57	56	318139	45.347	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	343347	49.903	ug/l	99
36) 1,1-Dichloropropene	5.80	75	283779	44.371	ug/l	99
37) Ethyl Acetate	4.85	43	309190	47.825	ug/l	99
38) Carbon Tetrachloride	5.78	117	294361	47.442	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	346356	44.761	ug/l	96
40) Benzene	6.14	78	883215	46.881	ug/l	100
41) Methacrylonitrile	5.06	41	173025	49.935	ug/l	98
42) 1,2-Dichloroethane	6.20	62	295309	45.305	ug/l	99
43) Isopropyl Acetate	6.46	43	499449	50.050	ug/l	99
44) Trichloroethene	7.21	130	254723	44.893	ug/l	99
45) 1,2-Dichloropropane	7.52	63	222413	47.119	ug/l	100
46) Dibromomethane	7.66	93	159610	46.524	ug/l	97
47) Bromodichloromethane	7.90	83	283595	48.776	ug/l	97
48) Methyl methacrylate	7.77	41	252624	50.611	ug/l	99
49) 1,4-Dioxane	7.75	88	103035	908.316	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1610977	245.232	ug/l	99
52) Toluene	8.79	92	562320	46.263	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	308300	49.365	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	338846	49.337	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	238964	47.164	ug/l	99
56) Ethyl methacrylate	9.18	69	347043	49.454	ug/l	98
57) 1,3-Dichloropropane	9.37	76	378233	46.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	916526	247.792	ug/l	99
59) 2-Hexanone	9.49	43	1223669	239.375	ug/l	100
60) Dibromochloromethane	9.58	129	250545	52.285	ug/l	97
61) 1,2-Dibromoethane	9.67	107	257146	47.924	ug/l	99
64) Tetrachloroethene	9.34	164	262038	42.890	ug/l	98
65) Chlorobenzene	10.14	112	650448	45.984	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	238151	50.217	ug/l	99
67) Ethyl Benzene	10.25	91	1076928	47.278	ug/l	99
68) m/p-Xylenes	10.36	106	844512	93.266	ug/l	100
69) o-Xylene	10.69	106	417912	47.964	ug/l	100
70) Styrene	10.71	104	674121	47.706	ug/l	99
71) Bromoform	10.85	173	188927	45.790	ug/l	100
73) Isopropylbenzene	11.02	105	1095088	48.305	ug/l	98
74) N-amyl acetate	10.90	43	437551	49.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	345104	49.950	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	329132m	50.721	ug/l	
77) Bromobenzene	11.26	156	299008	46.812	ug/l	99
78) n-propylbenzene	11.36	91	1234022	49.640	ug/l	99
79) 2-Chlorotoluene	11.42	91	718255	47.617	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	900777	48.567	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	95361	45.810	ug/l	98
82) 4-Chlorotoluene	11.51	91	833739	47.768	ug/l	99
83) tert-Butylbenzene	11.77	119	890183	48.478	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	917958	48.751	ug/l	100
85) sec-Butylbenzene	11.94	105	1097455	49.380	ug/l	100
86) p-Isopropyltoluene	12.06	119	977583	48.728	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	524903	45.790	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	526187	45.244	ug/l	100
89) n-Butylbenzene	12.38	91	835650	48.420	ug/l	100
90) Hexachloroethane	12.60	117	159317	53.061	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	522658	45.814	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	72469	50.445	ug/l	98

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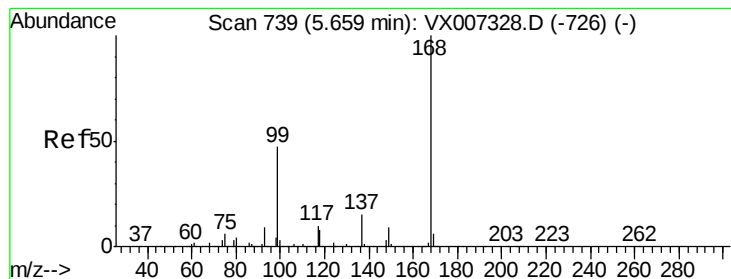
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	363907	47.300	ug/l	99
94) Hexachlorobutadiene	13.78	225	170990	45.771	ug/l	98
95) Naphthalene	13.83	128	1123849	49.952	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	355626	45.921	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 475324

Ion Ratio Lower Upper

168 100

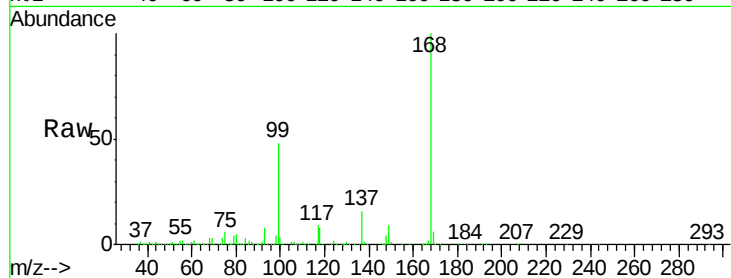
99 47.9 37.9 56.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

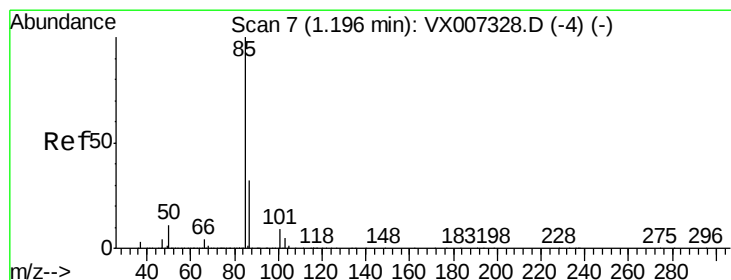
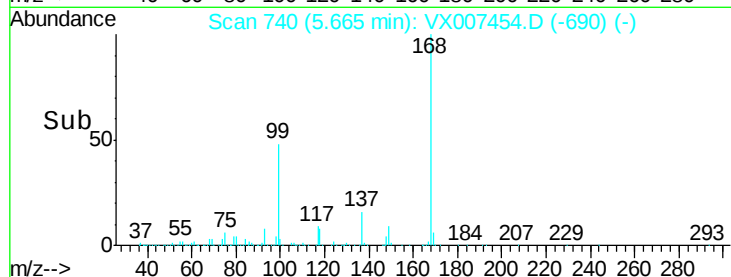
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.559 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007454.D

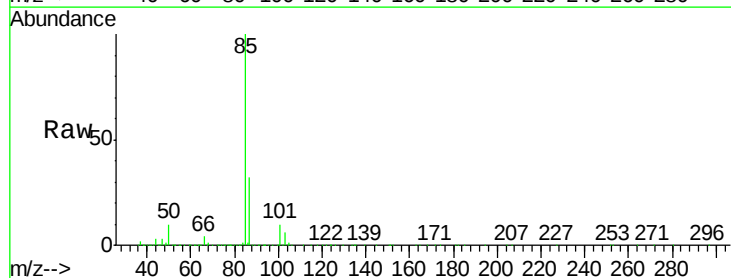
Acq: 08 Feb 2019 20:35

Tgt Ion: 85 Resp: 266017

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

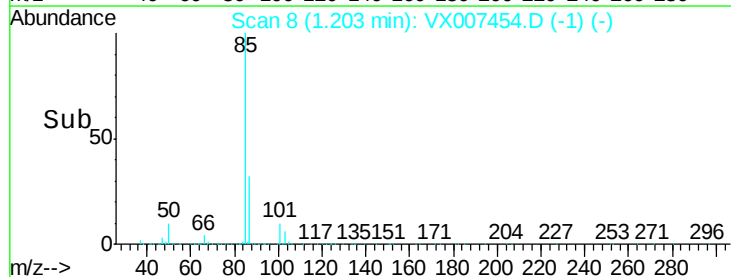
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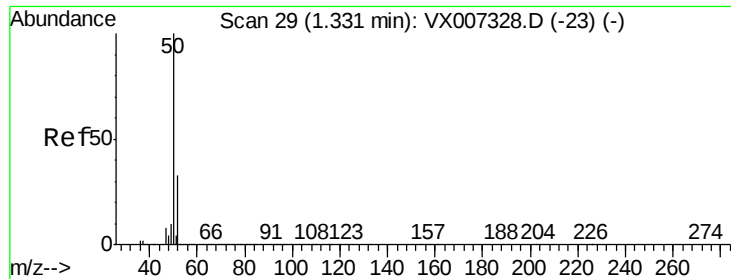
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50000

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Time-->





#3

Chloromethane

Concen: 44.682 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 239220

Ion Ratio Lower Upper

50 100

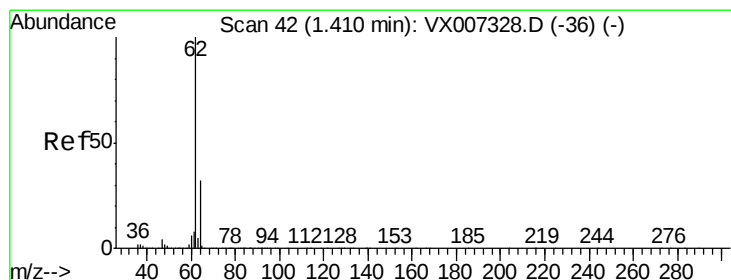
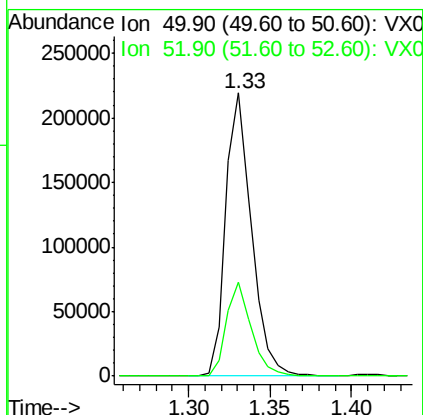
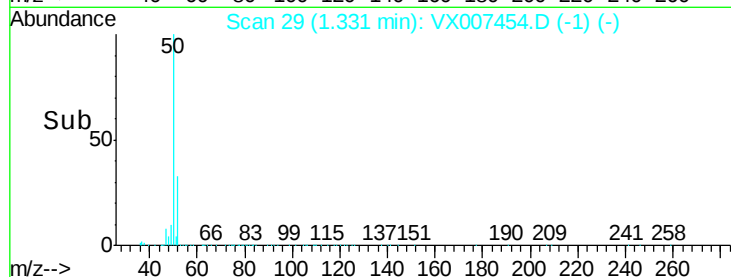
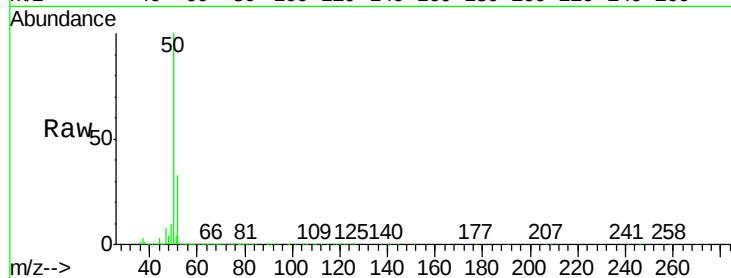
52 33.2 26.1 39.1

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#4

Vinyl Chloride

Concen: 49.162 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007454.D

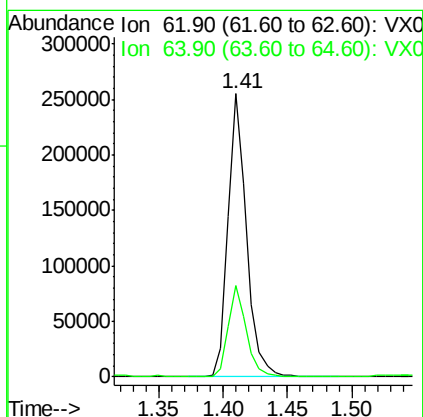
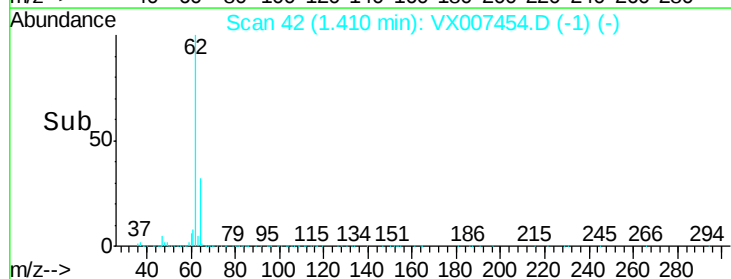
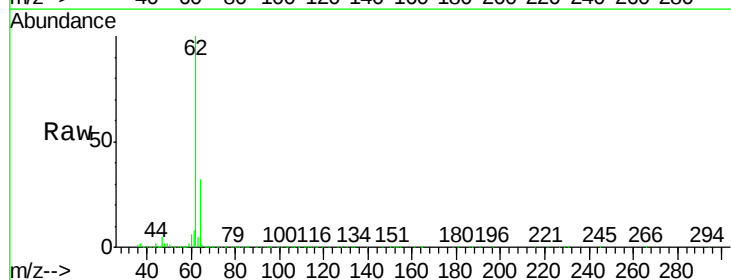
Acq: 08 Feb 2019 20:35

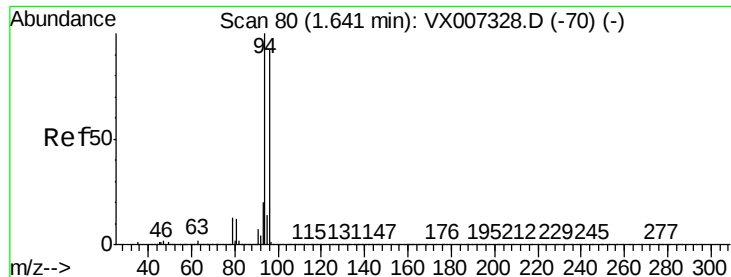
Tgt Ion: 62 Resp: 258212

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 42.212 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 219619

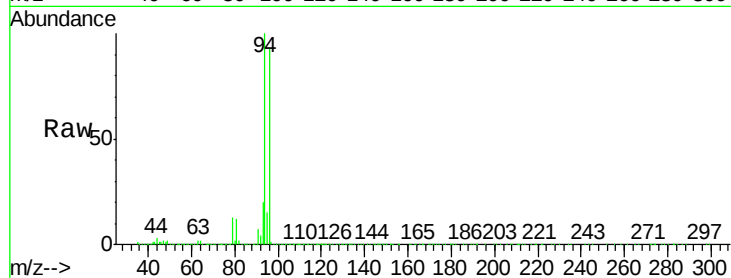
Ion Ratio Lower Upper

94 100

96 92.9 73.9 110.9

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250000

200000

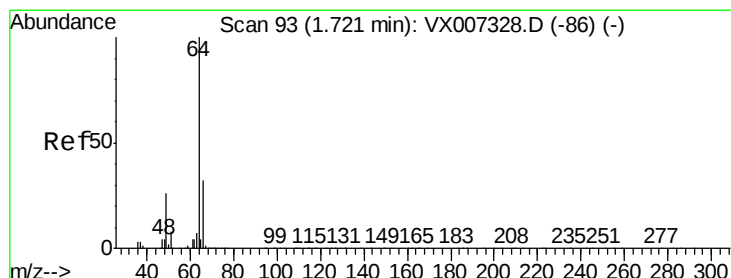
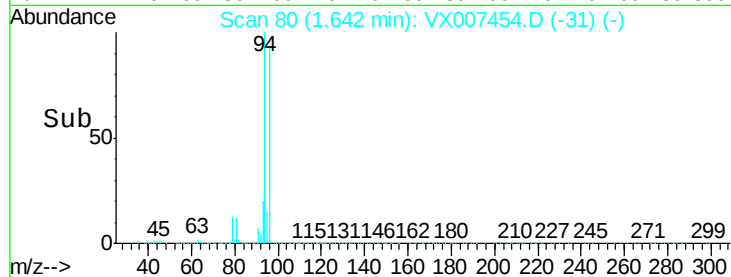
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100000

50000

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Time-->



#6

Chloroethane

Concen: 46.430 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007454.D

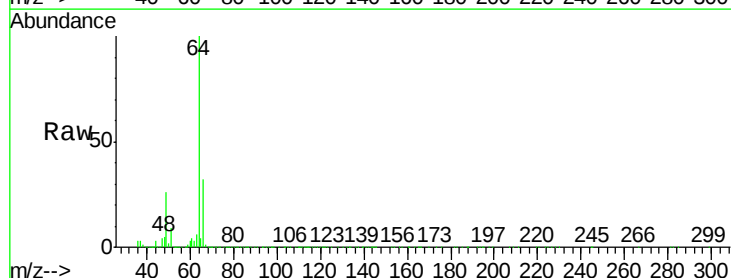
Acq: 08 Feb 2019 20:35

Tgt Ion: 64 Resp: 157753

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

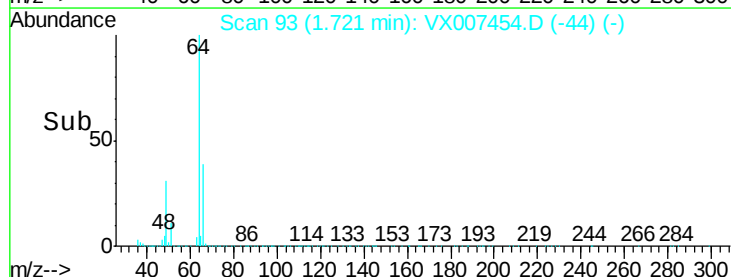
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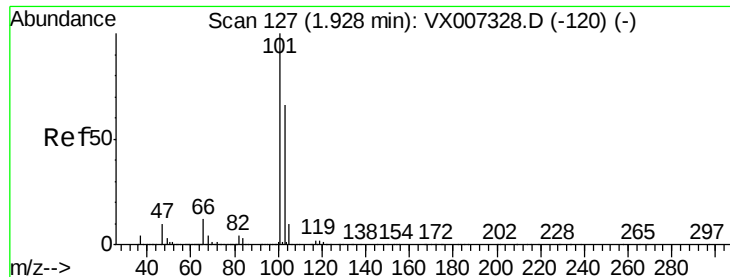
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Time-->





#7

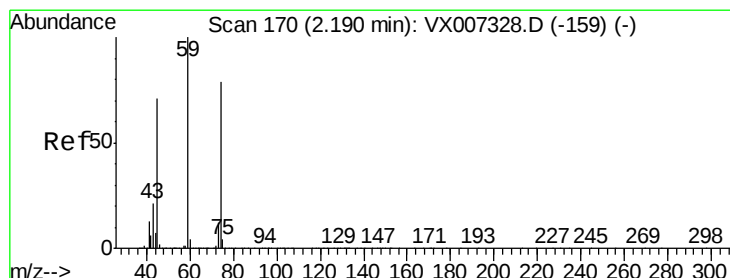
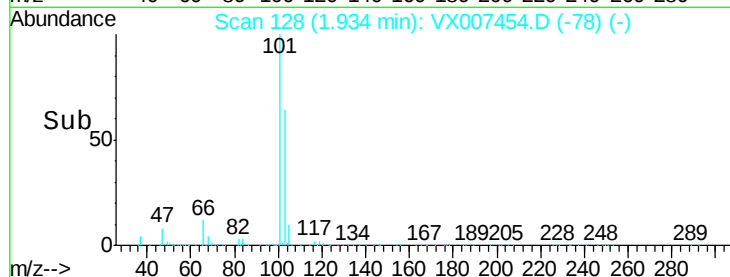
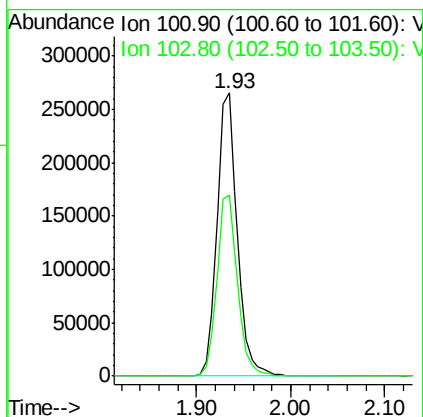
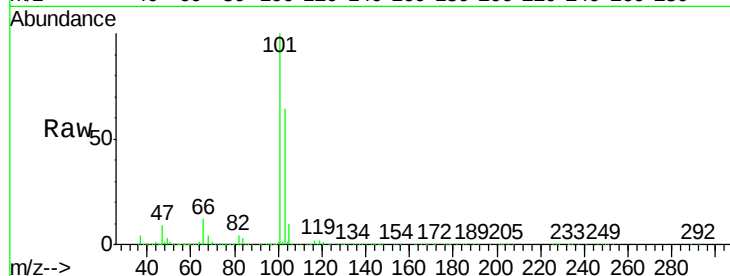
Trichlorofluoromethane
Concen: 48.014 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

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ClientSampleId :
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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	64.0	52.6	79.0	

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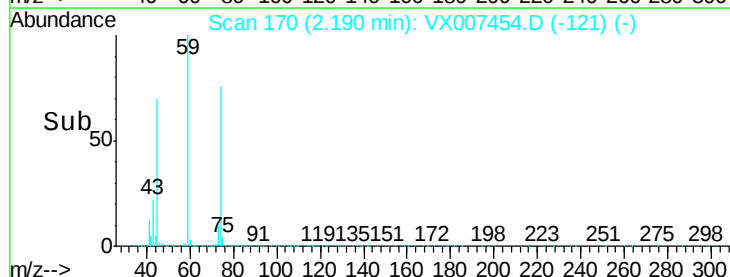
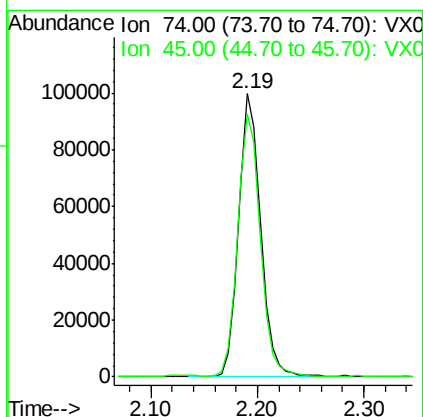
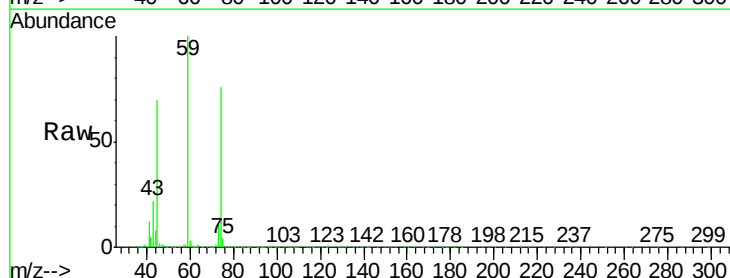
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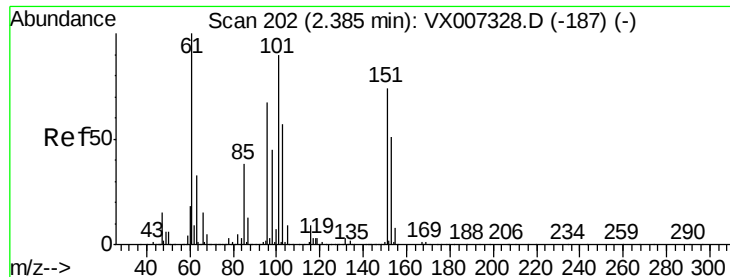


#8

Diethyl Ether
Concen: 47.269 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	94.7	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.811 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

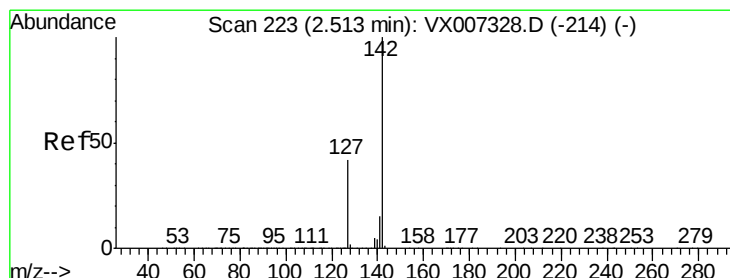
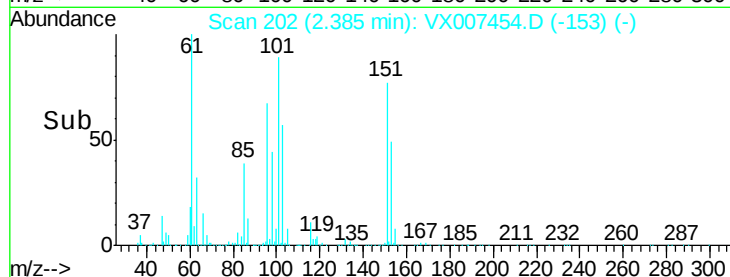
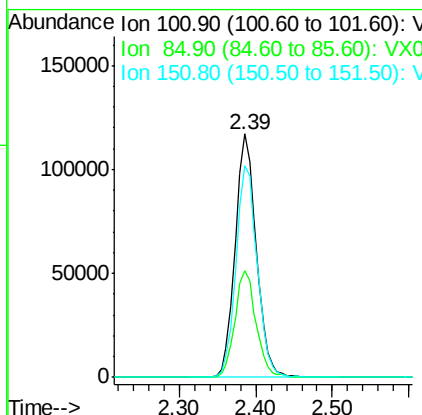
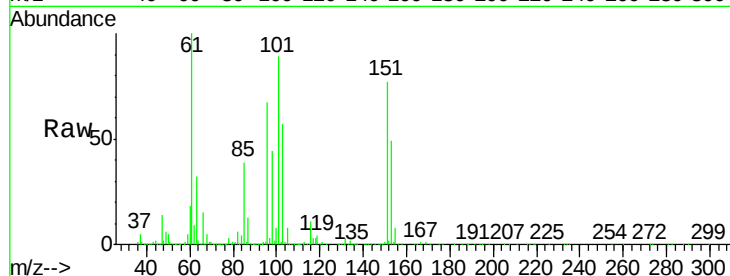
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	223897
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.1	51.1
151	87.3	69.9	104.9

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#10

Methyl Iodide

Concen: 39.718 ug/l

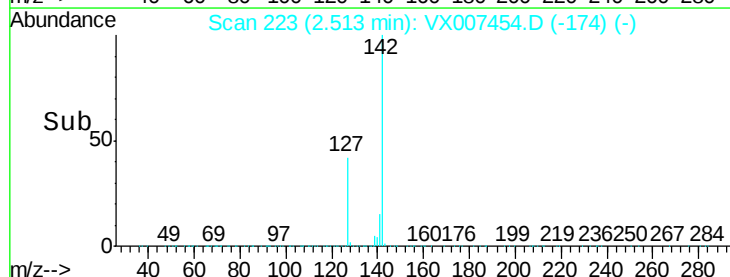
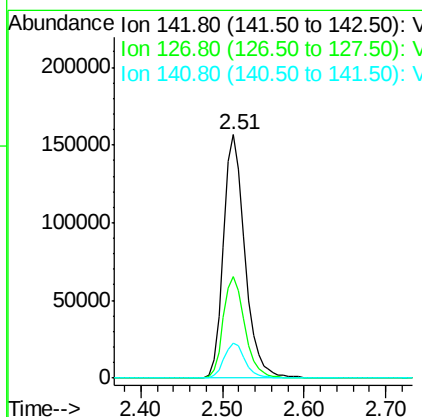
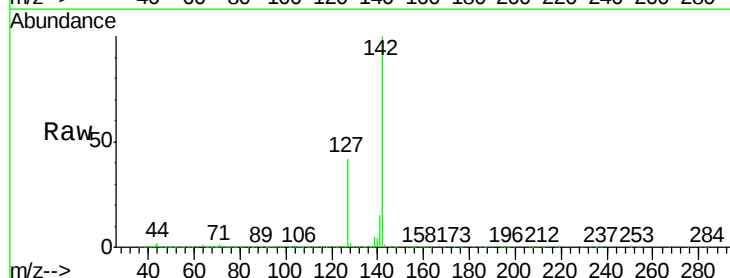
RT: 2.51 min Scan# 223

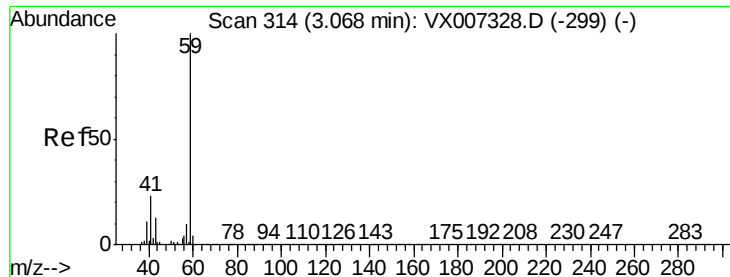
Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Tgt Ion:	142	Resp:	285552
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.7	50.5
141	14.3	11.3	16.9





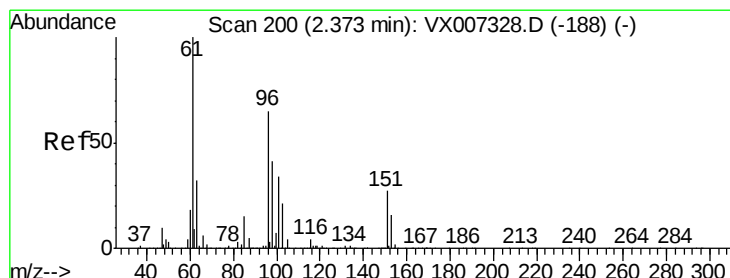
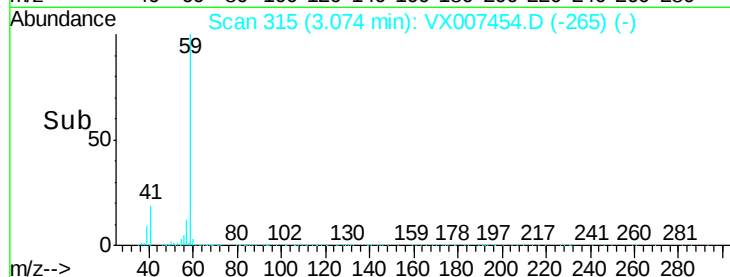
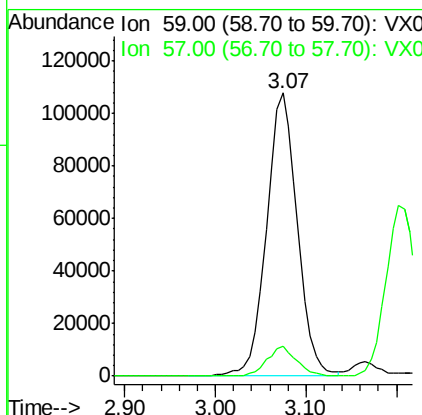
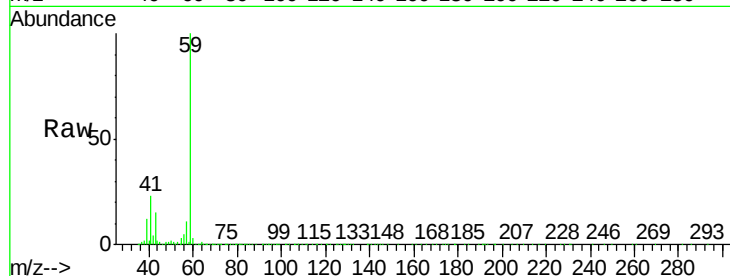
#11
Tert butyl alcohol
Concen: 242.270 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	252955		
57	9.9		8.1	12.1

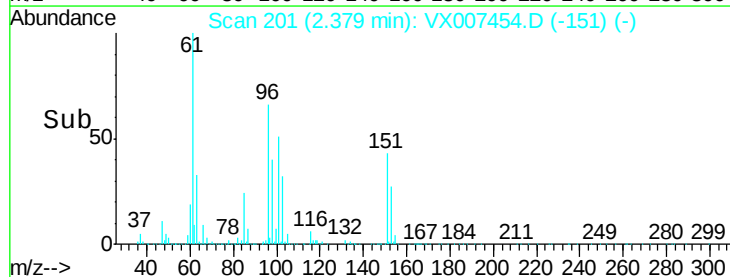
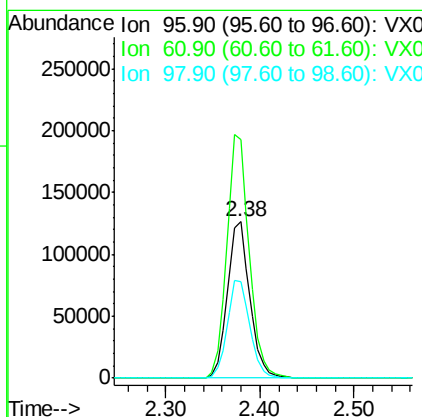
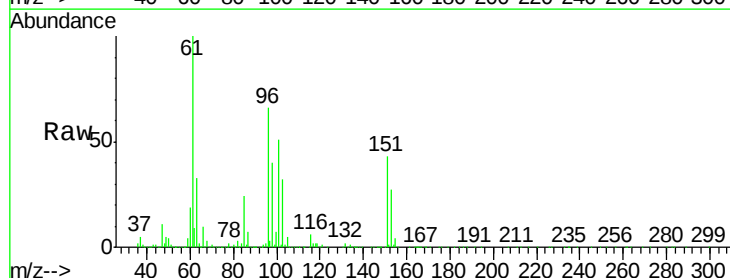
Manual Integrations
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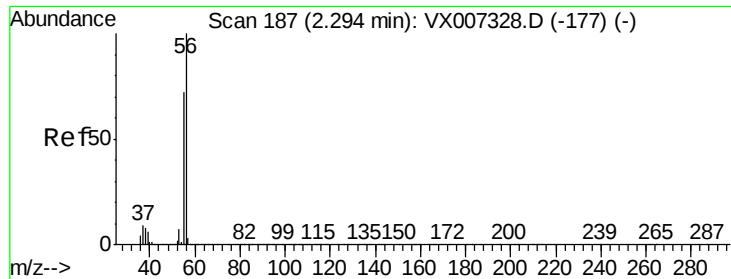
MMDadoda
2/11/2019 9:44:17 AM



#12
1,1-Dichloroethene
Concen: 45.753 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	207643		
61	152.4		123.0	184.4
98	61.7		50.9	76.3





#13

Acrolein

Concen: 243.325 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 119134

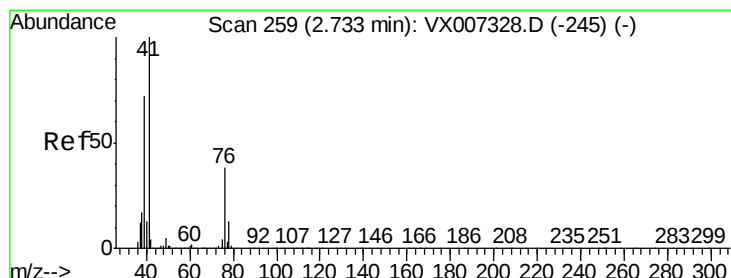
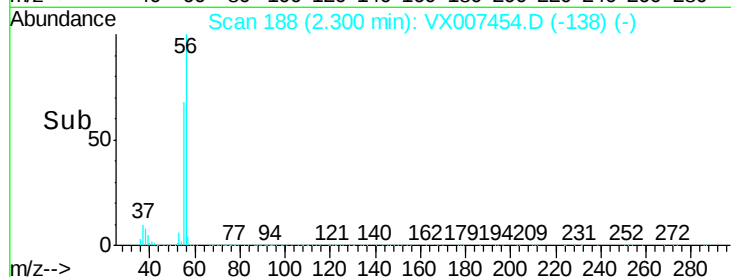
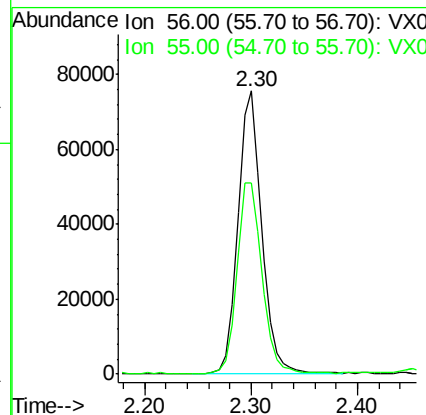
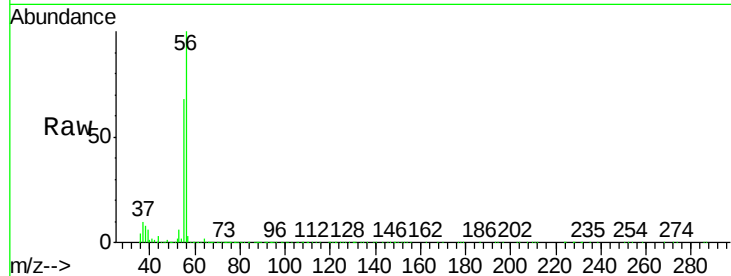
Ion Ratio Lower Upper

56 100

55 70.3 56.9 85.3

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#14

Allyl chloride

Concen: 48.402 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

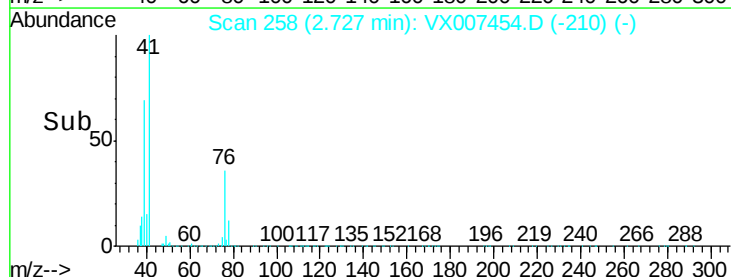
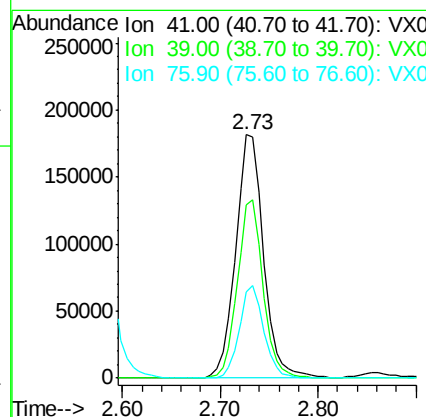
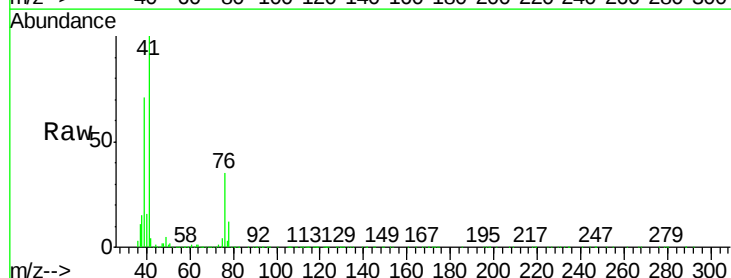
Tgt Ion: 41 Resp: 357917

Ion Ratio Lower Upper

41 100

39 67.4 54.1 81.1

76 33.5 27.8 41.8





#15

Acrylonitrile

Concen: 247.677 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

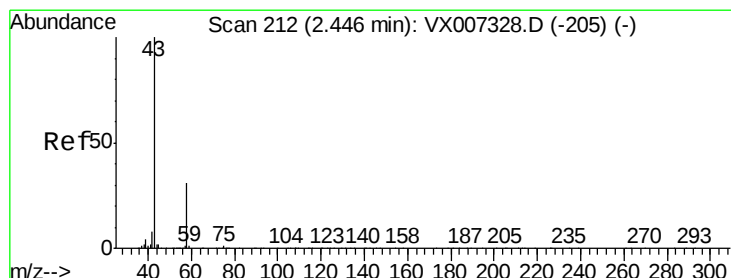
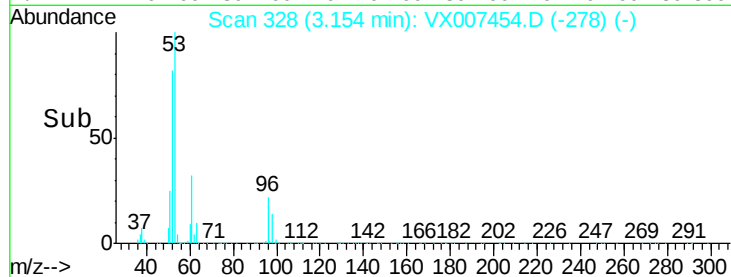
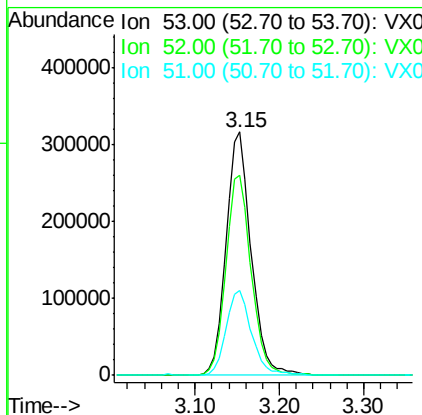
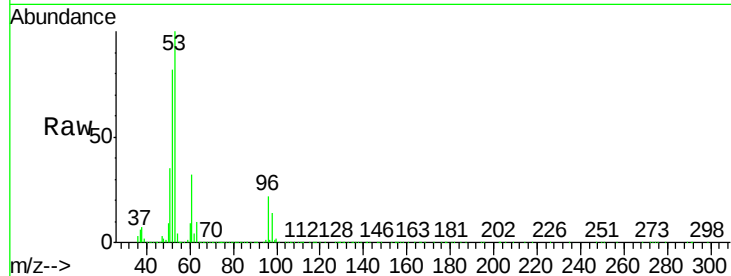
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	639725
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.4	99.6
51	35.4	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 238.047 ug/l

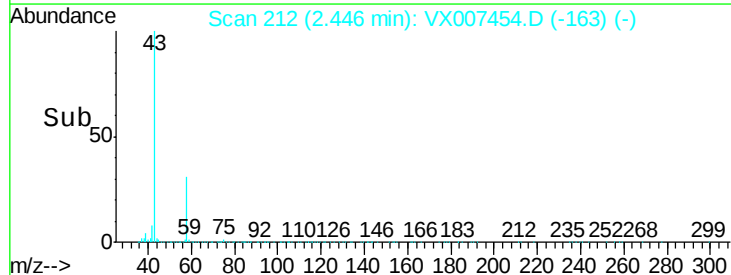
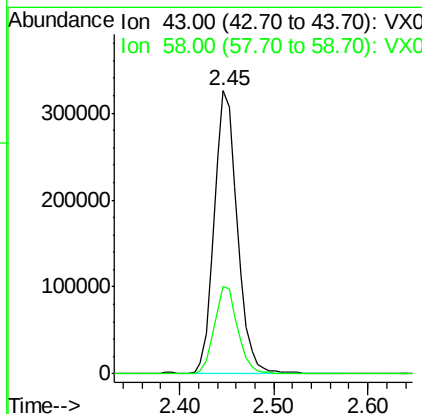
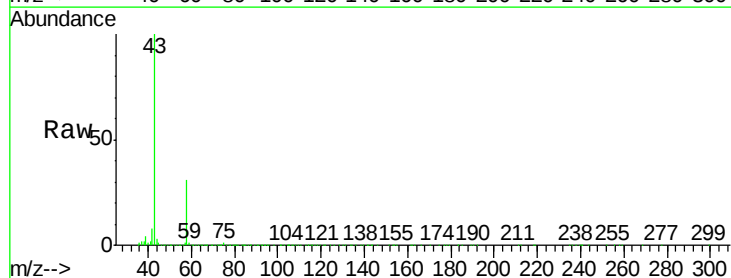
RT: 2.45 min Scan# 212

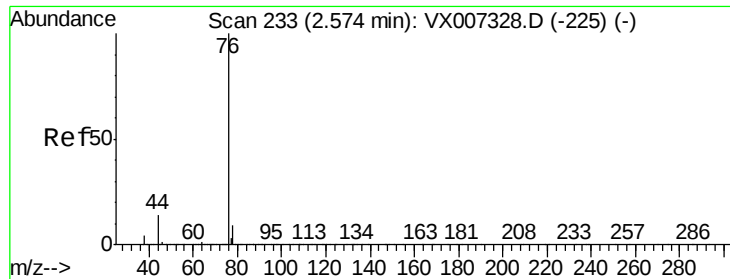
Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Tgt Ion:	43	Resp:	550142
Ion Ratio	Lower	Upper	
43	100		
58	30.8	24.9	37.3





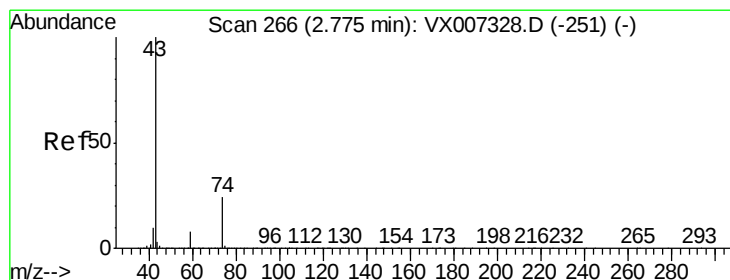
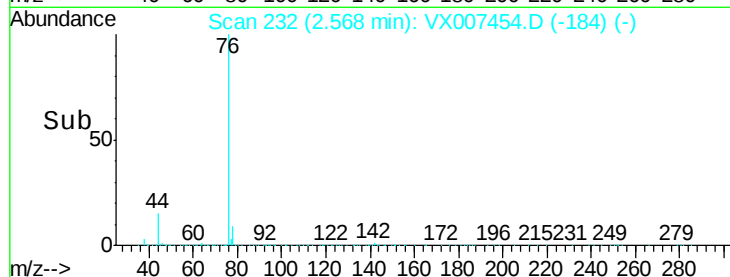
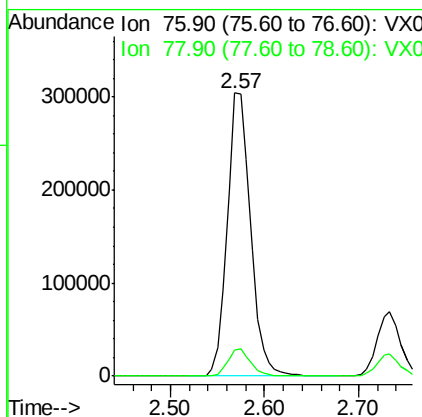
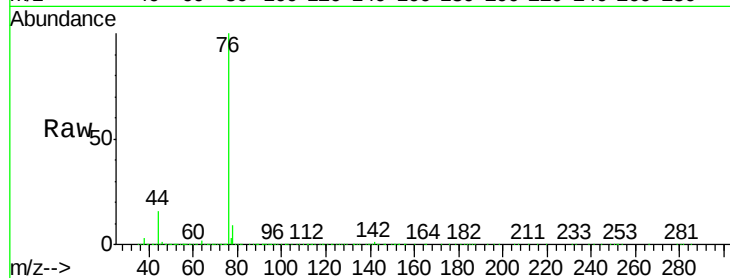
#17
Carbon Disulfide
Concen: 44.406 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

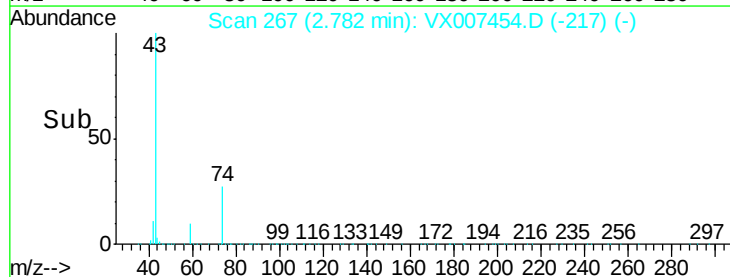
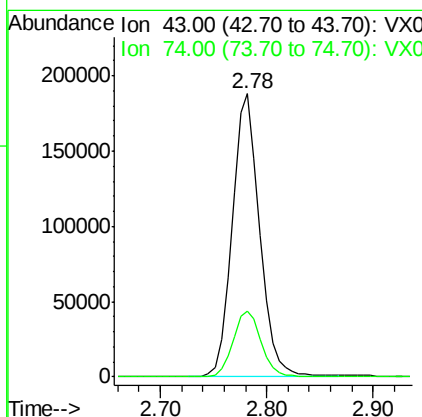
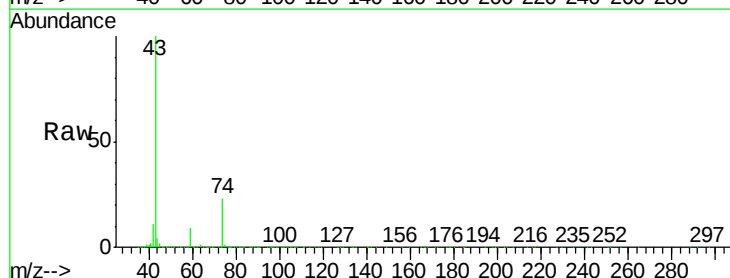
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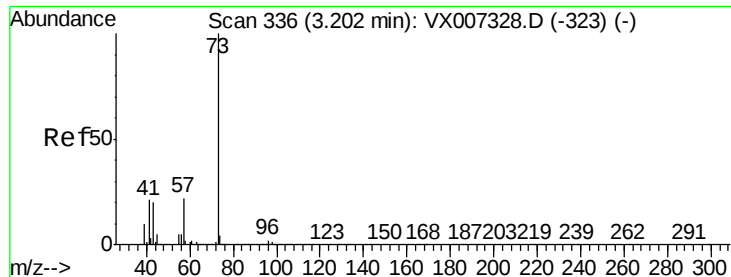
MMDadoda
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#18
Methyl Acetate
Concen: 55.681 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





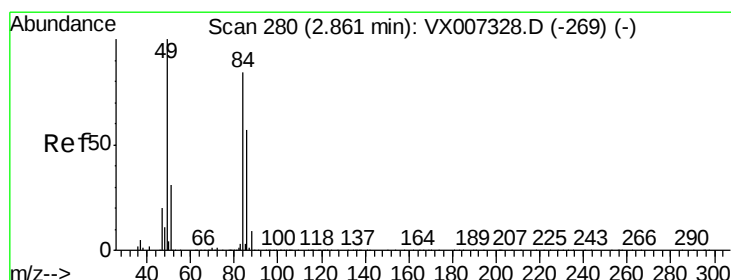
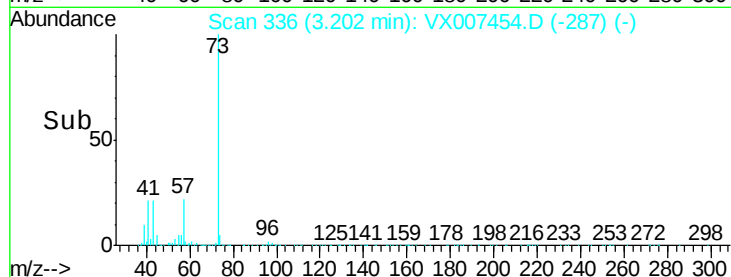
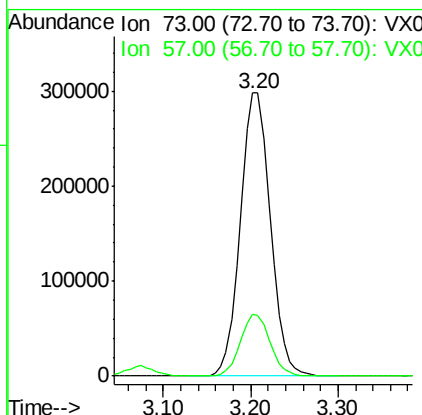
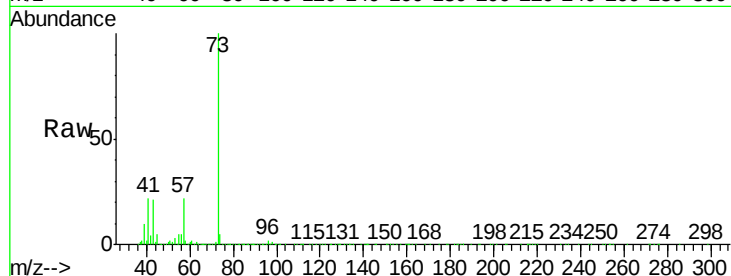
#19
Methyl tert-butyl Ether
Concen: 48.364 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.8	26.8

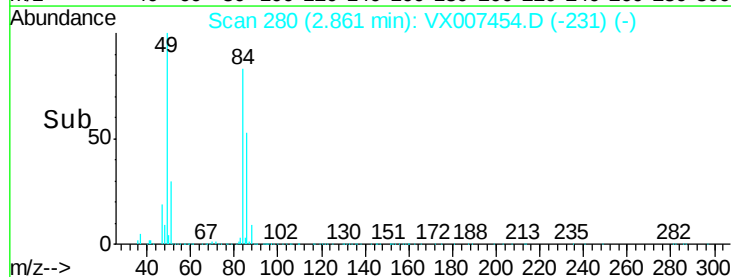
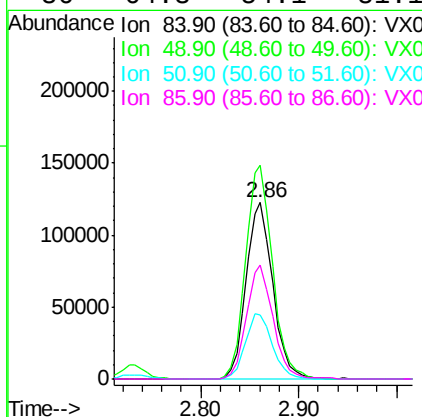
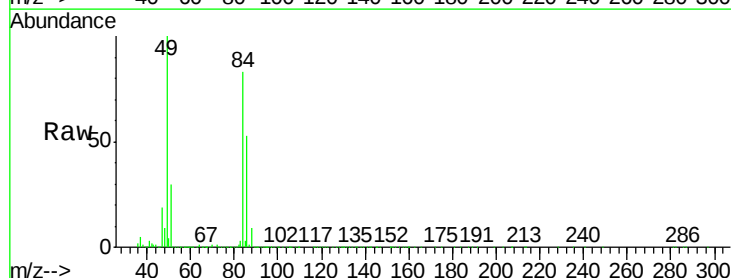
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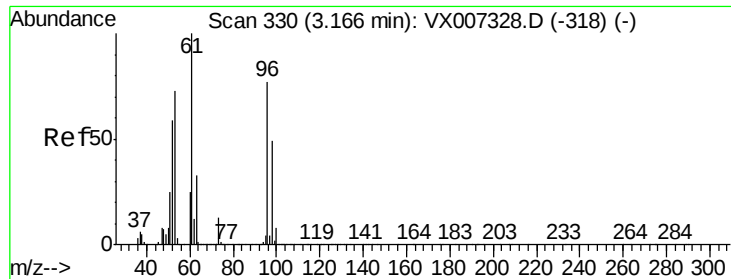
MMDadoda
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#20
Methylene Chloride
Concen: 49.079 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.9	94.8	142.2
51	36.4	29.8	44.8
86	64.3	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 45.843 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

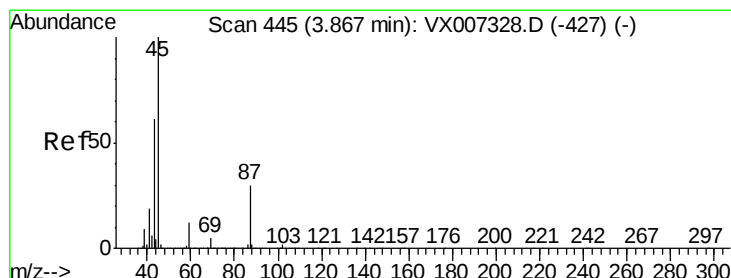
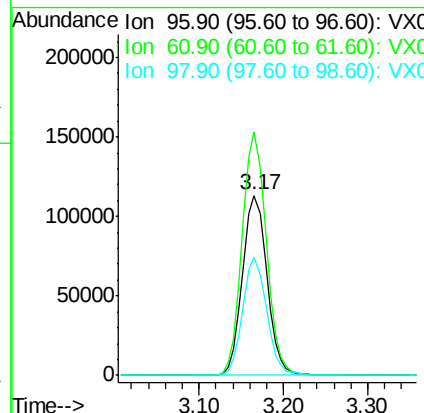
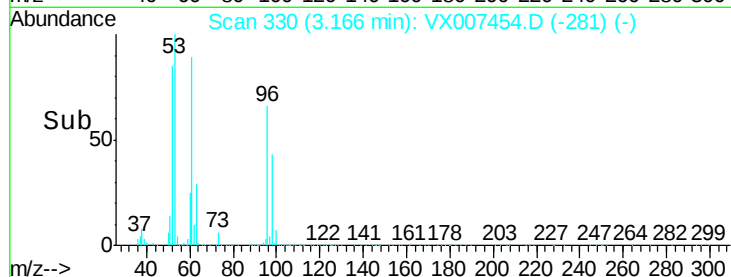
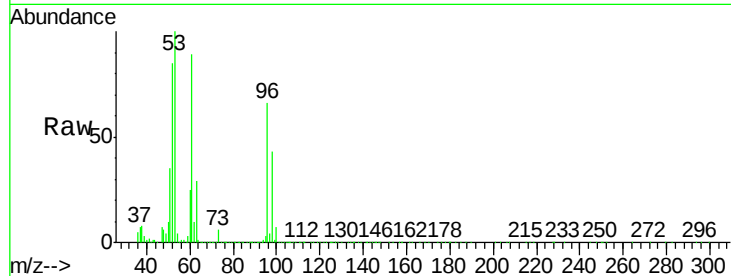
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	221627
Ion Ratio	Lower	Upper	
96	100		
61	135.4	104.6	156.8
98	66.1	51.0	76.4

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#22

Diisopropyl ether

Concen: 49.096 ug/l

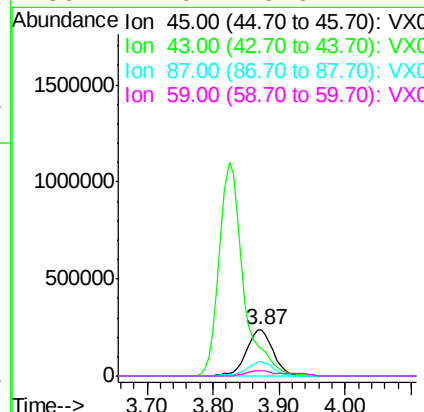
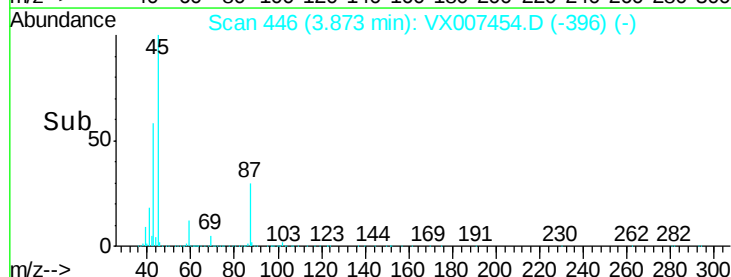
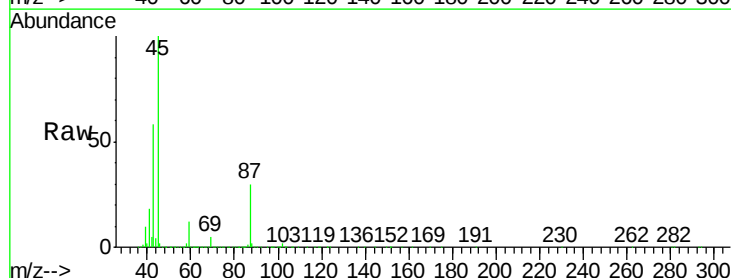
RT: 3.87 min Scan# 446

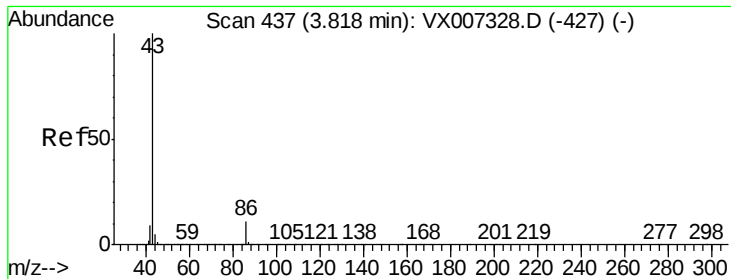
Delta R.T. 0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Tgt Ion:	45	Resp:	667812
Ion Ratio	Lower	Upper	
45	100		
43	57.8	48.9	73.3
87	30.5	23.9	35.9
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 247.529 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2793954

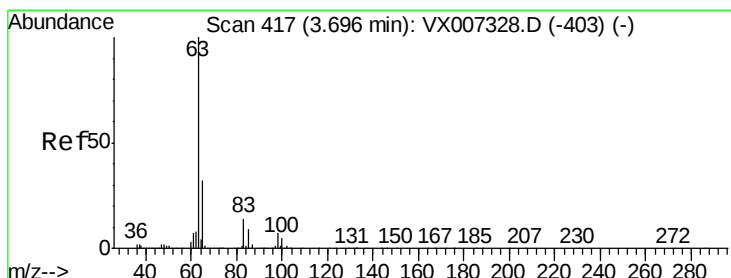
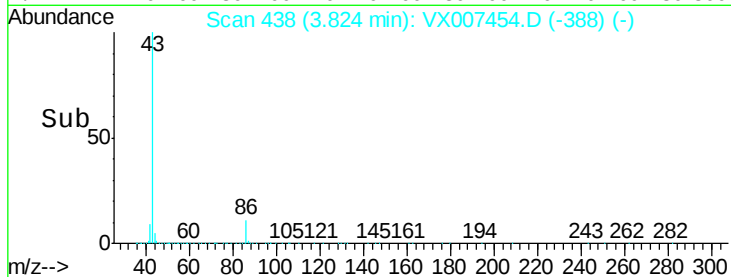
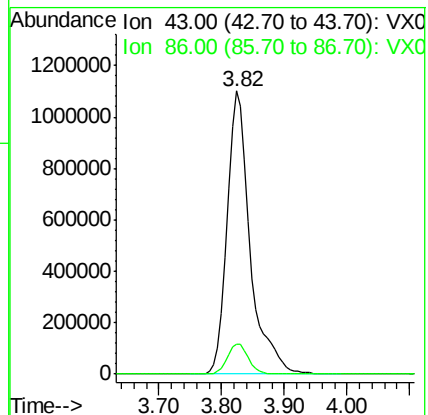
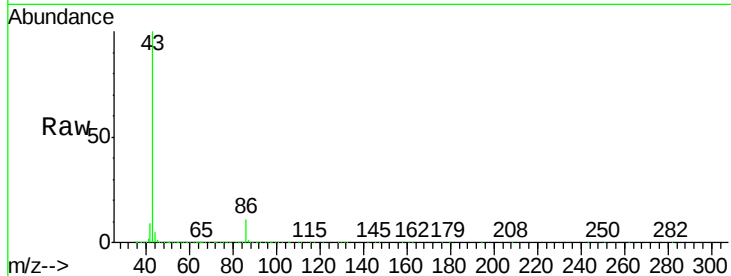
Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 47.647 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

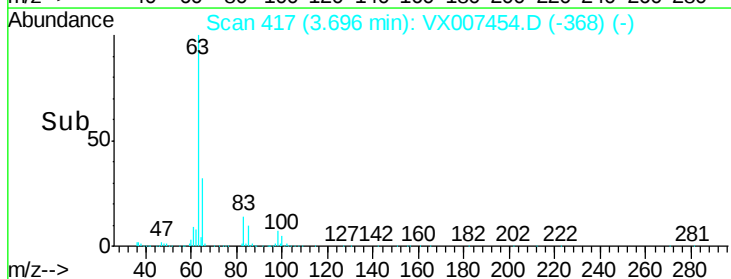
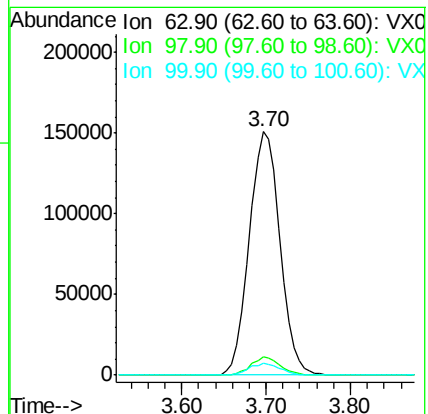
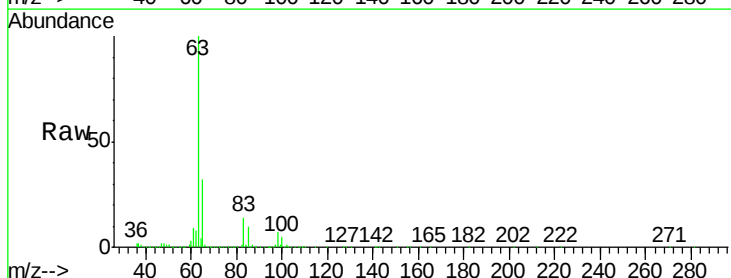
Tgt Ion: 63 Resp: 372191

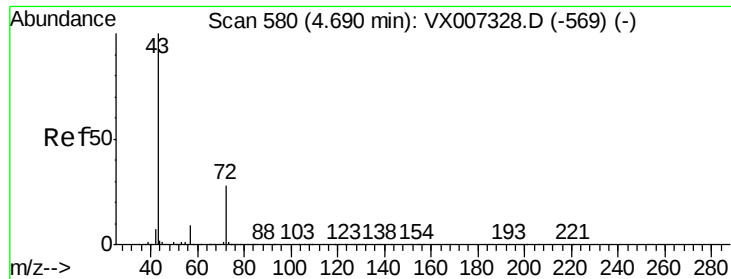
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 247.537 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 814129

Ion Ratio Lower Upper

43 100

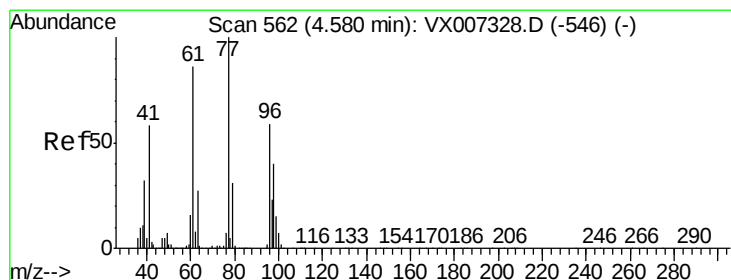
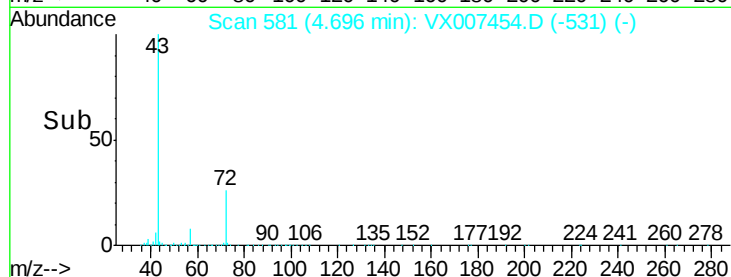
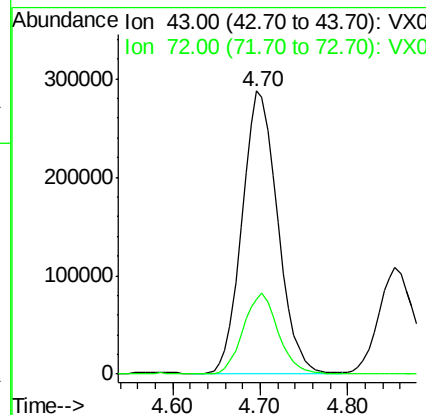
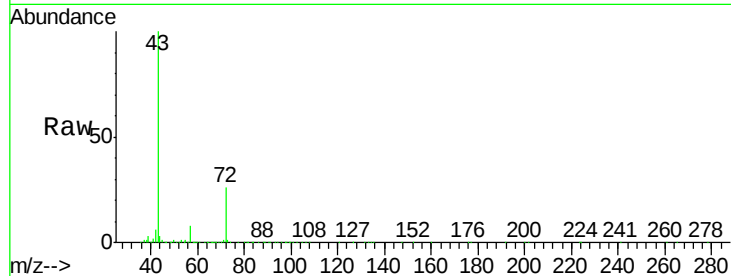
72 26.1 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.672 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007454.D

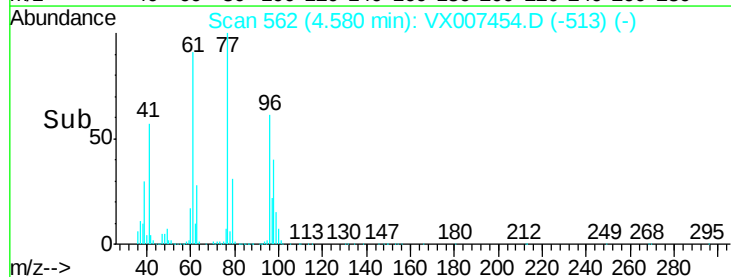
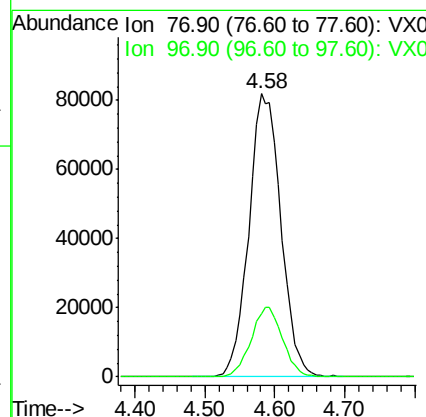
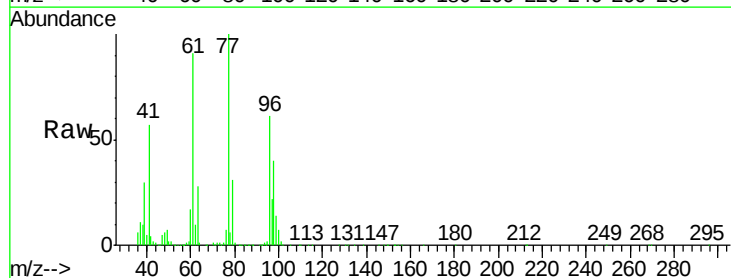
Acq: 08 Feb 2019 20:35

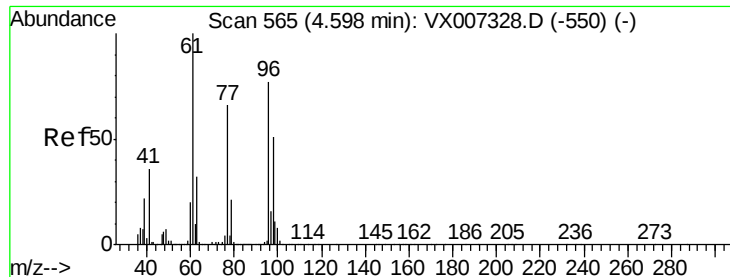
Tgt Ion: 77 Resp: 259794

Ion Ratio Lower Upper

77 100

97 24.3 12.1 36.3





#27

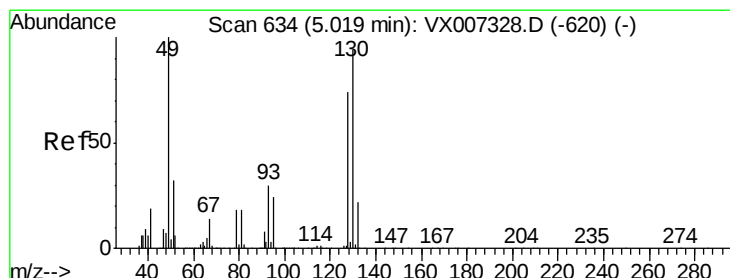
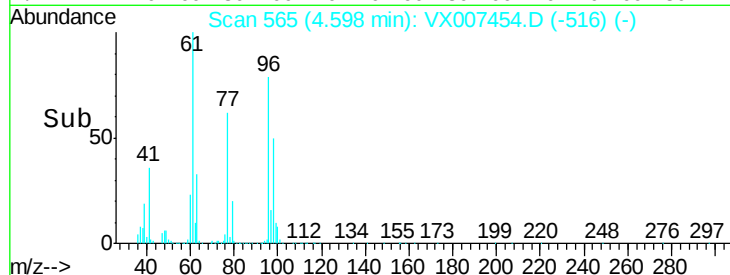
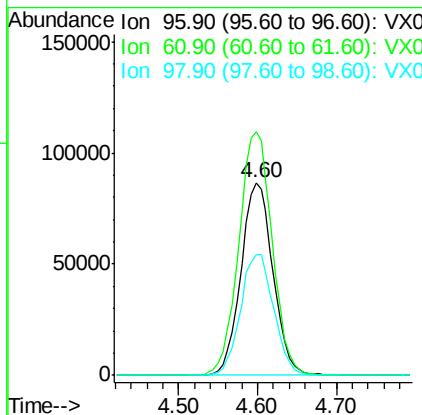
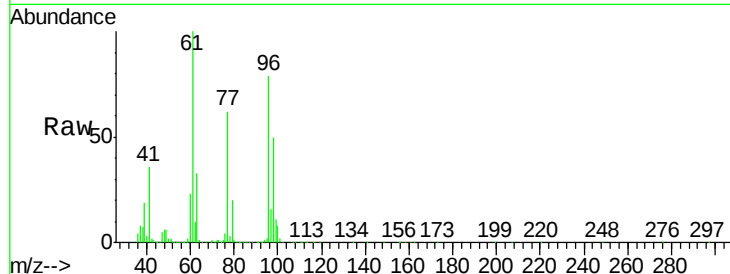
cis-1,2-Dichloroethene
 Concen: 46.249 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	244218		
61	132.5	0.0	265.6	
98	65.2	0.0	131.6	

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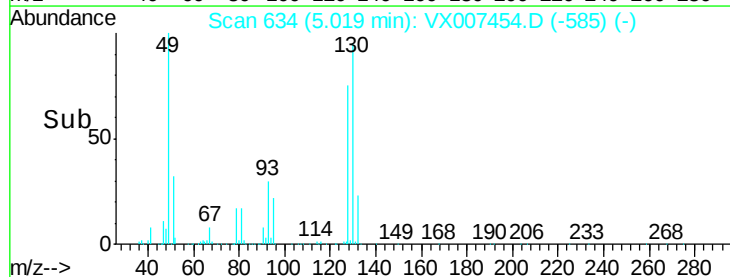
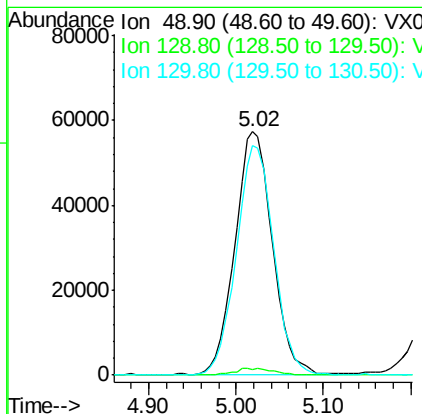
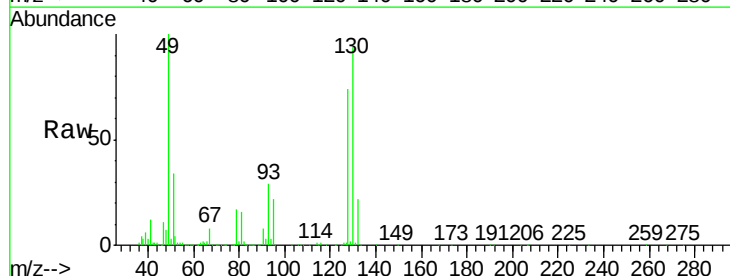
MMDadoda
 2/11/2019 9:44:17 AM



#28

Bromochloromethane
 Concen: 47.251 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	169736		
129	2.9	0.0	5.6	
130	94.8	75.6	113.4	





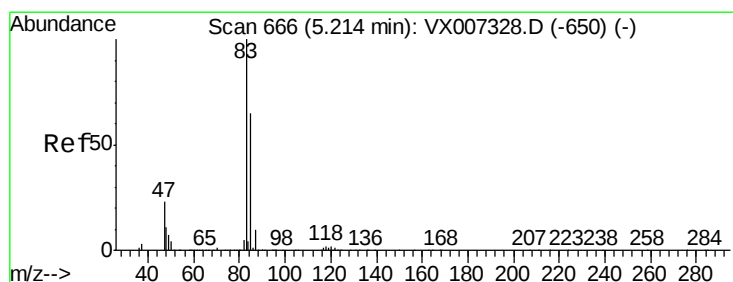
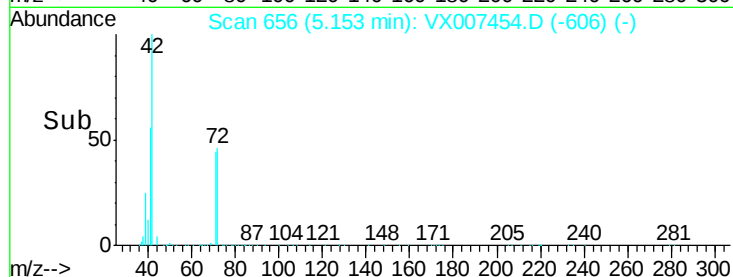
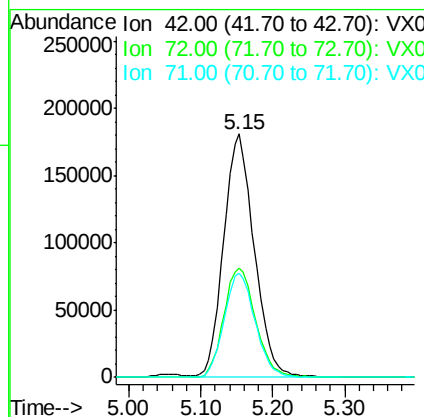
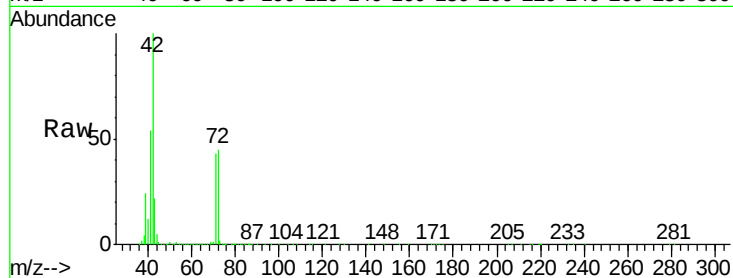
#29
Tetrahydrofuran
Concen: 257.639 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.6	56.4
71	43.6	34.6	51.8

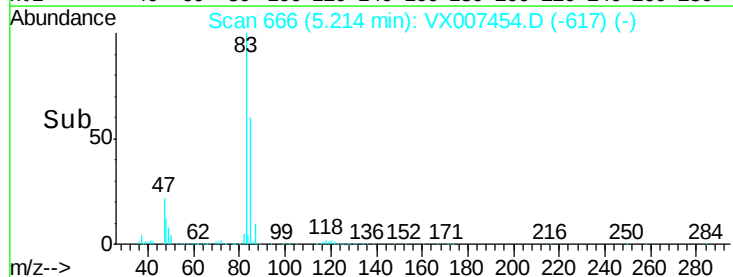
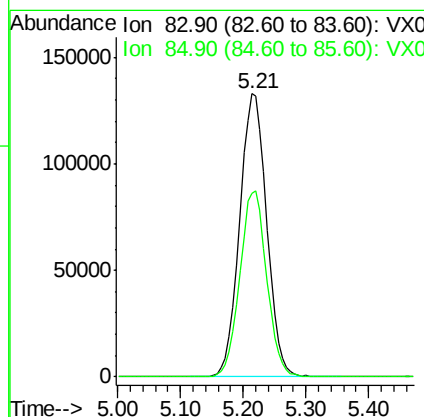
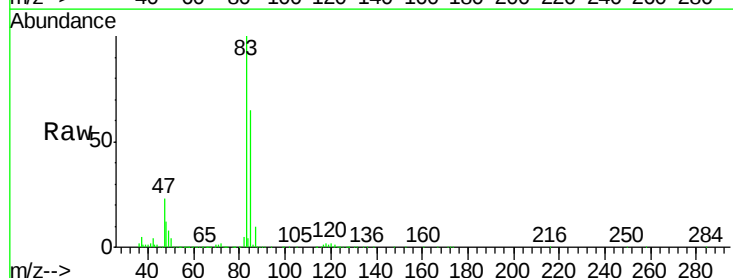
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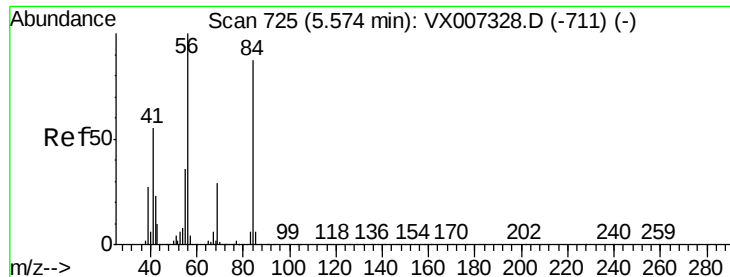
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#30
Chloroform
Concen: 48.671 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4





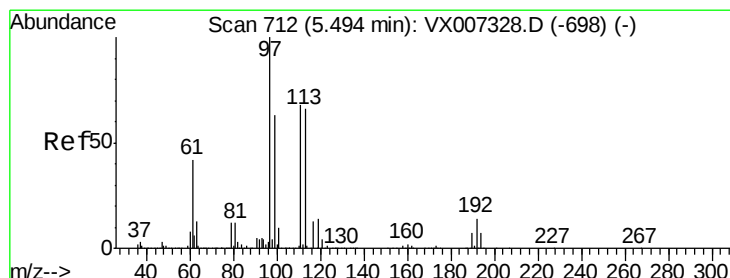
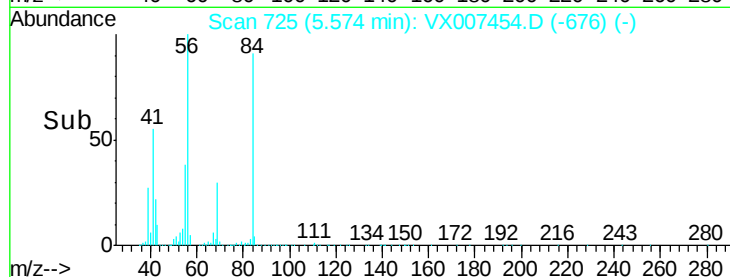
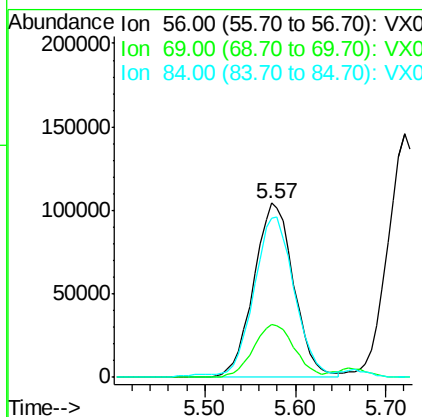
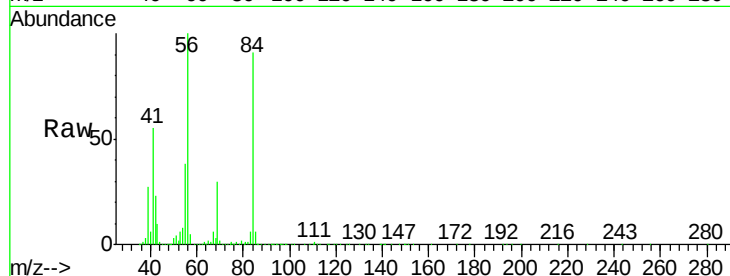
#31
Cyclohexane
Concen: 45.347 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.0	34.6
84	90.2	69.8	104.6

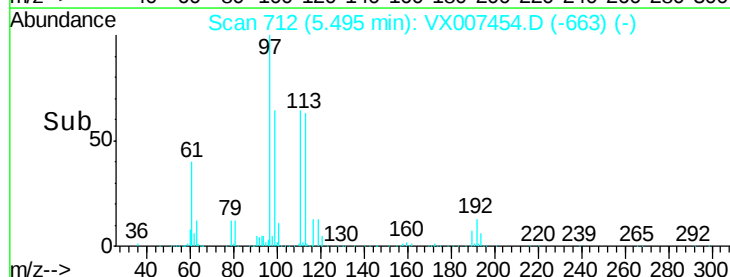
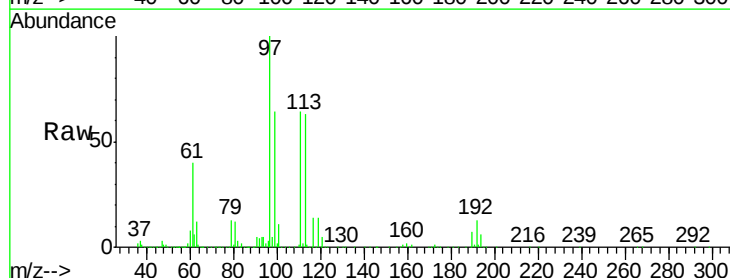
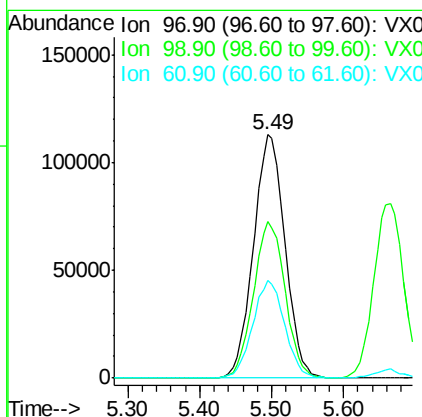
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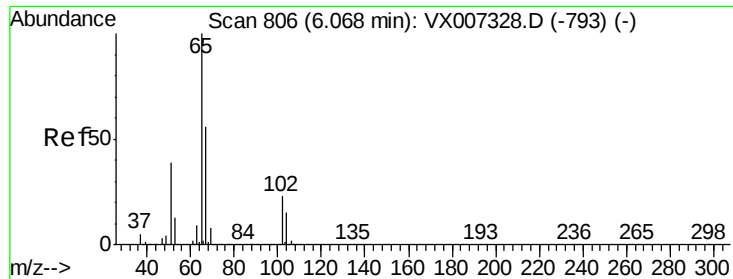
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#32
1,1,1-Trichloroethane
Concen: 49.903 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	40.5	32.7	49.1





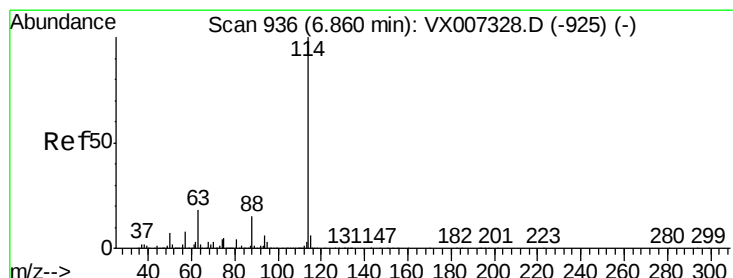
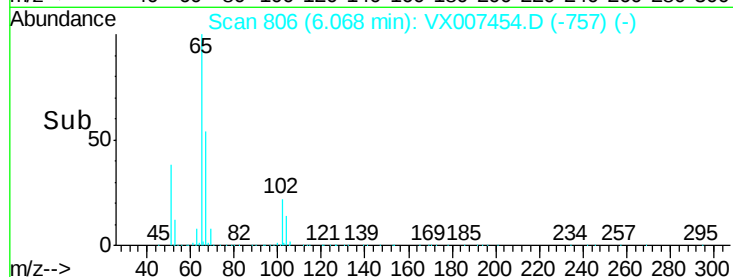
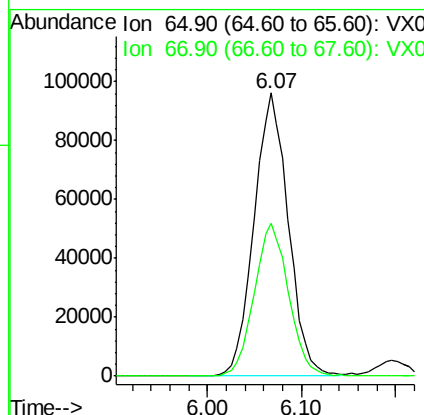
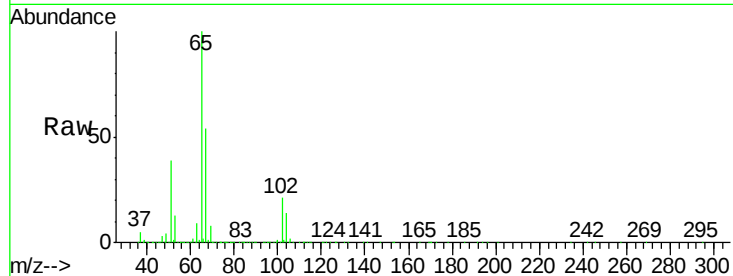
#33
 1,2-Dichloroethane-d4
 Concen: 48.697 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	245687		
67	53.6	0.0	108.8	

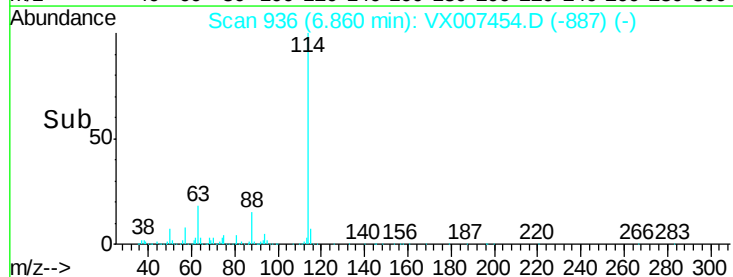
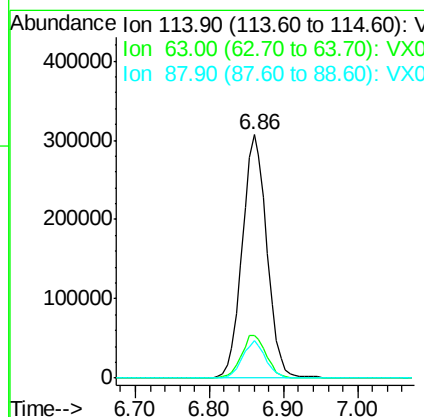
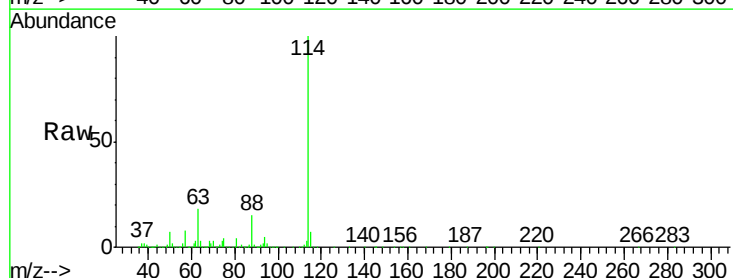
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	712802		
63	17.6	0.0	35.6	
88	15.2	0.0	29.6	





#35

Dibromofluoromethane

Concen: 48.521 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

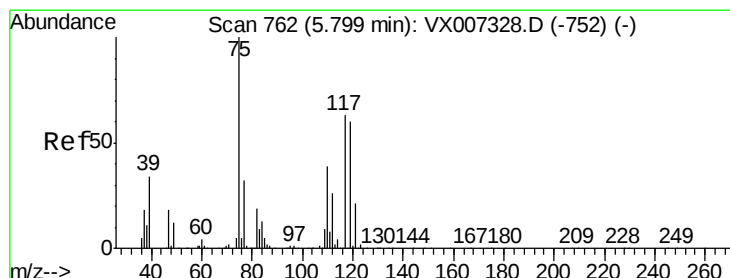
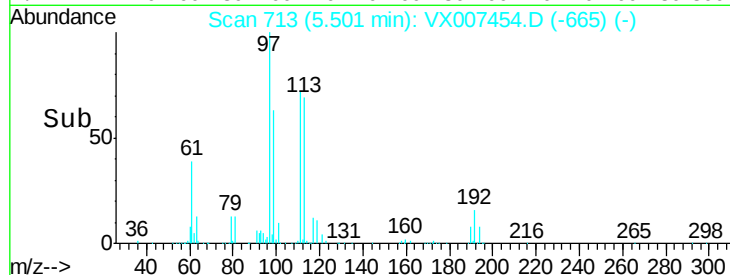
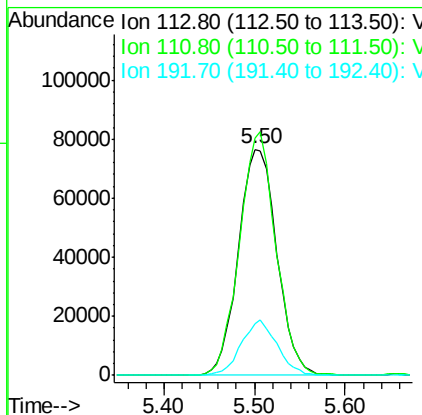
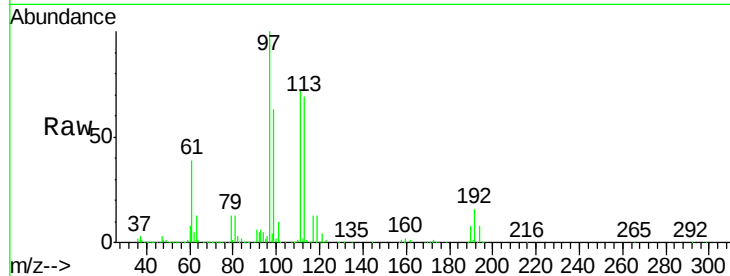
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	225040
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.8	122.8
192	22.8	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 44.371 ug/l

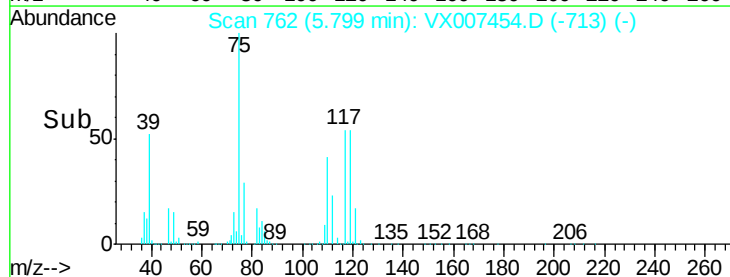
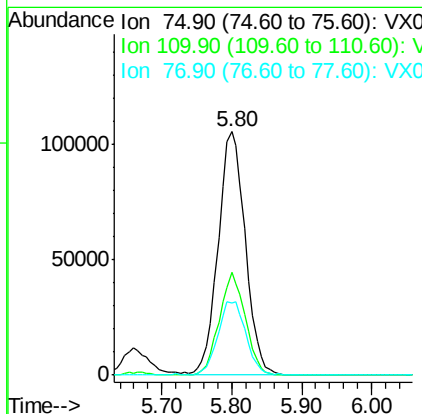
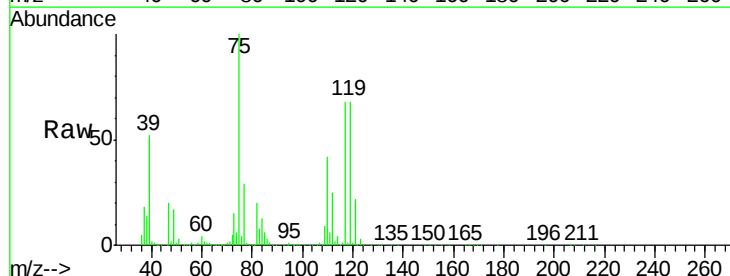
RT: 5.80 min Scan# 762

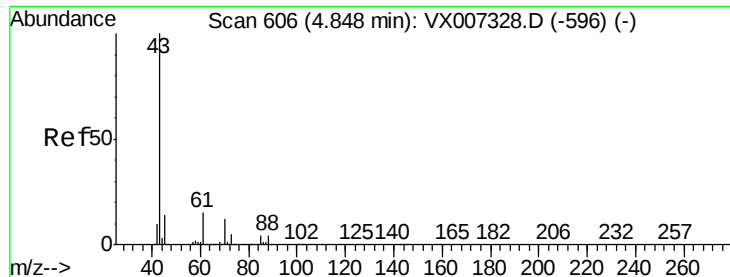
Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Tgt Ion:	75	Resp:	283779
Ion Ratio	Lower	Upper	
75	100		
110	40.4	20.0	59.9
77	31.0	24.7	37.1





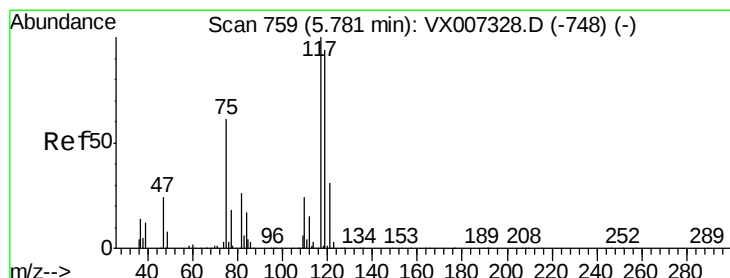
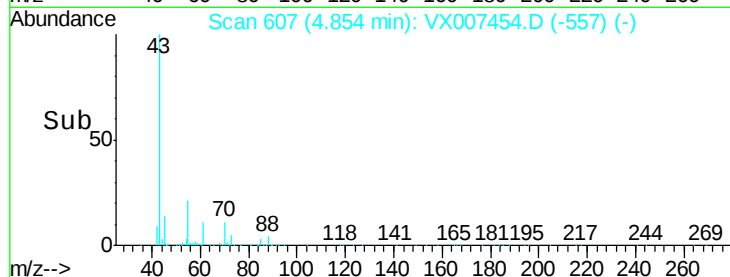
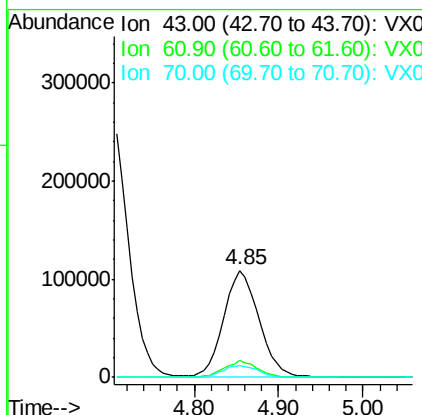
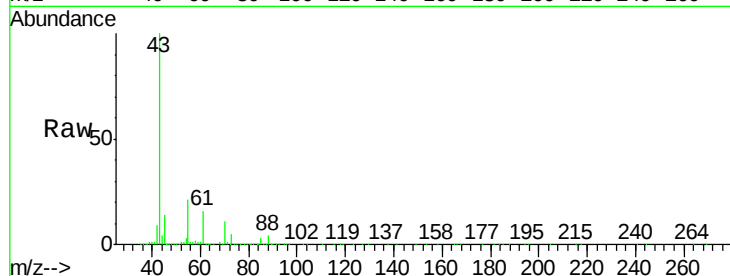
#37
Ethyl Acetate
Concen: 47.825 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	309190
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.3	16.9
70	11.2	8.6	13.0

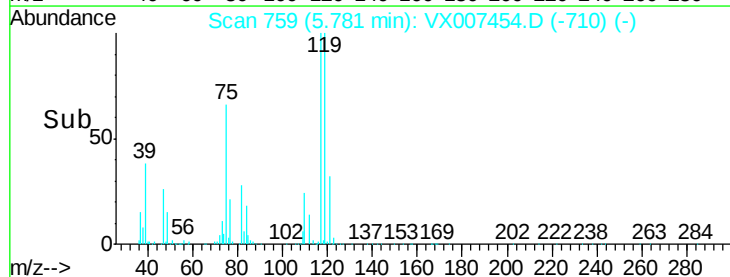
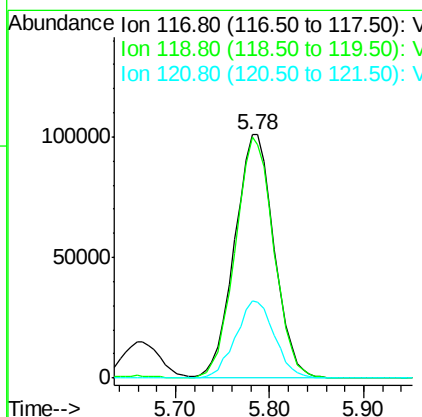
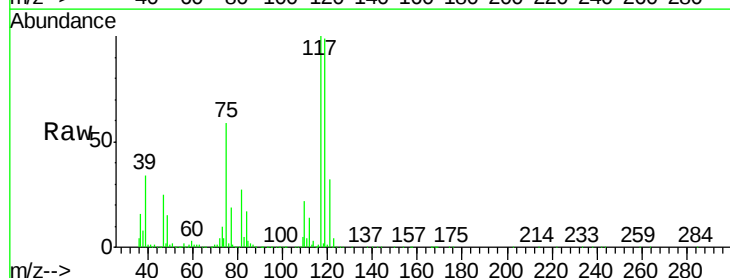
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#38
Carbon Tetrachloride
Concen: 47.442 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	117	Resp	294361
Ion Ratio	Lower	Upper	
117	100		
119	99.0	75.3	112.9
121	31.6	25.0	37.4





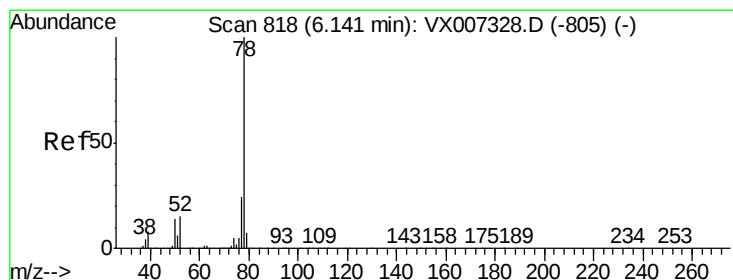
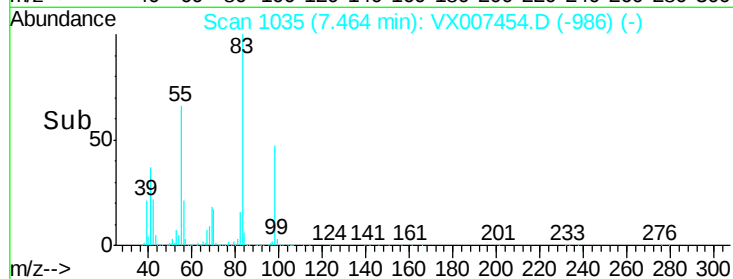
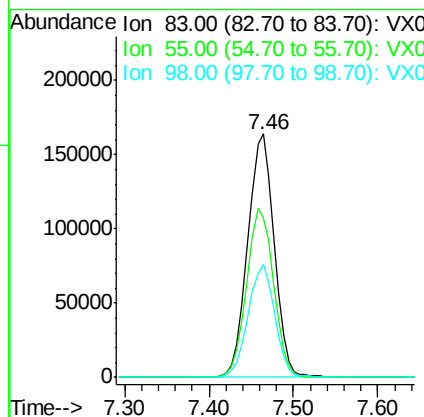
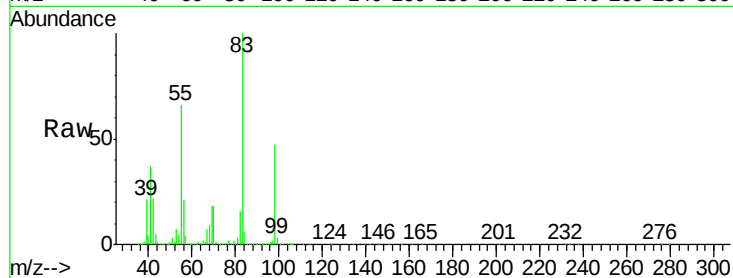
#39
Methvlcvclohexane
Concen: 44.761 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	346356		
55	65.5	56.2	84.2	
98	46.5	36.8	55.2	

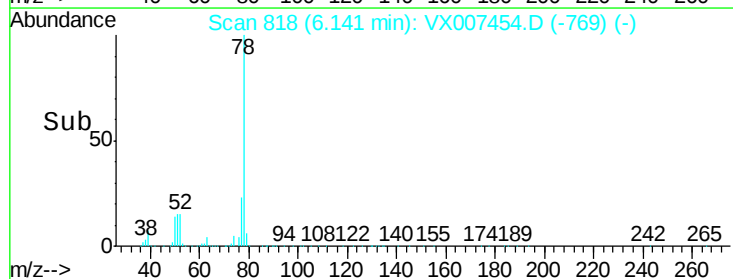
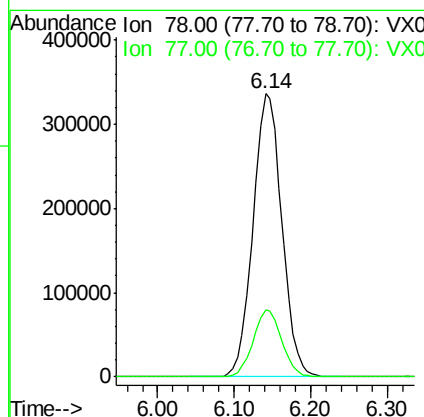
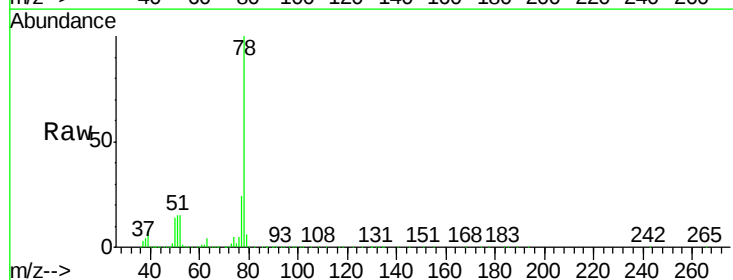
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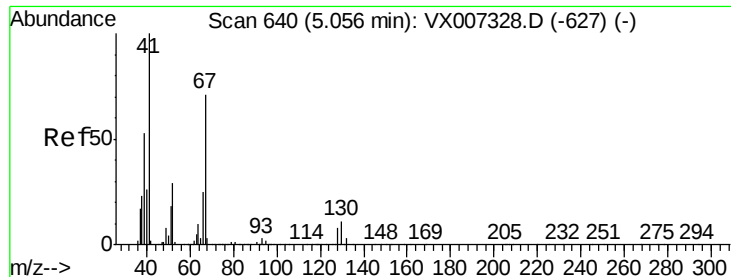
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#40
Benzene
Concen: 46.881 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	883215		
77	23.9	19.3	28.9	





#41

Methacrylonitrile

Concen: 49.935 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

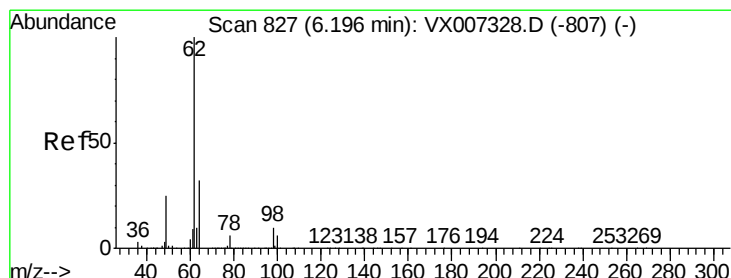
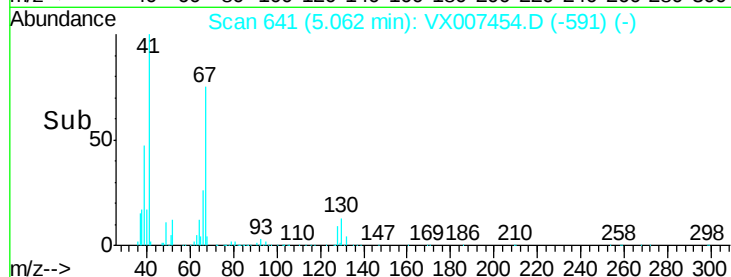
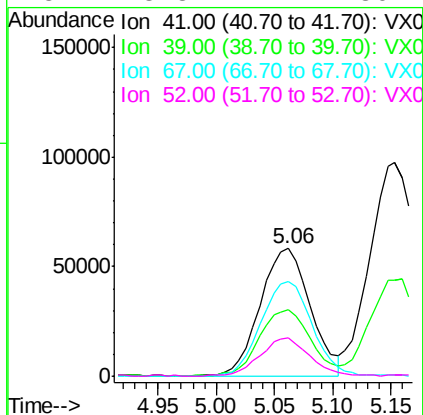
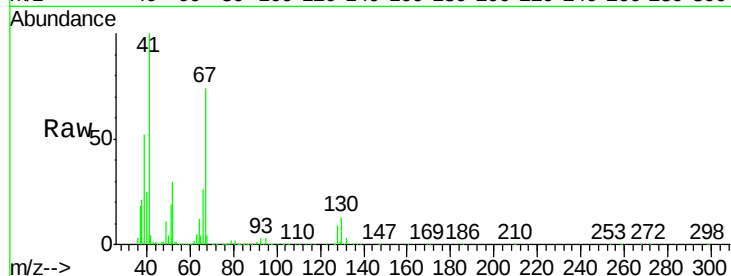
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.2	44.5	66.7		
67	76.3	60.4	90.6		
52	28.8	24.1	36.1		

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#42

1,2-Dichloroethane

Concen: 45.305 ug/l

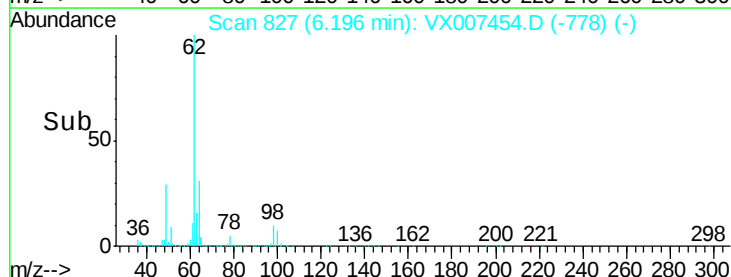
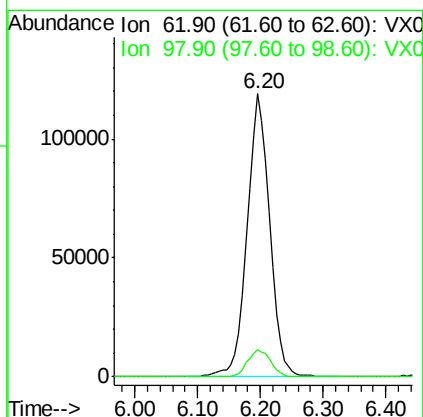
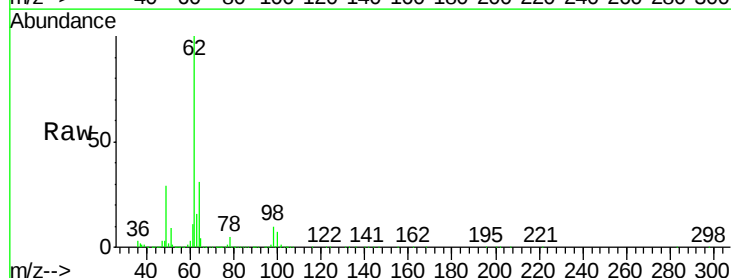
RT: 6.20 min Scan# 827

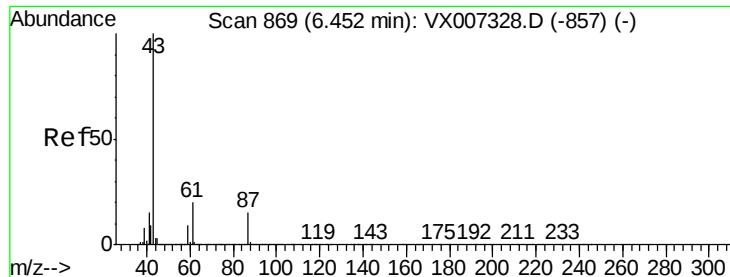
Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.9	0.0	19.0		





#43

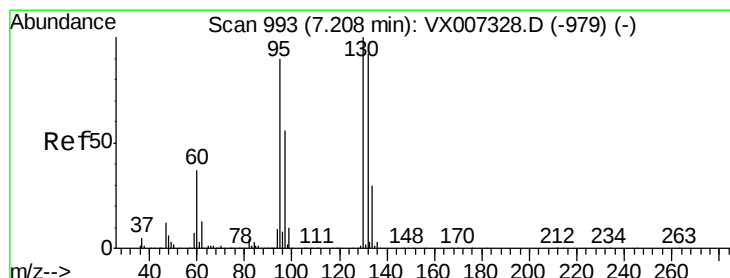
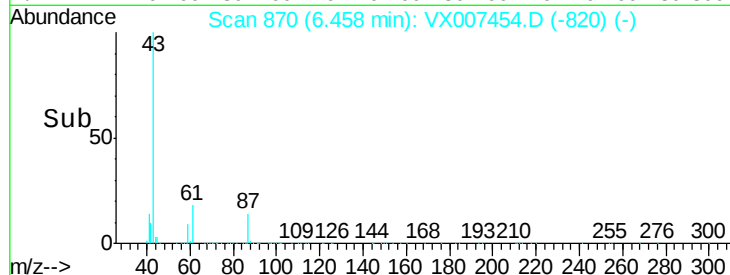
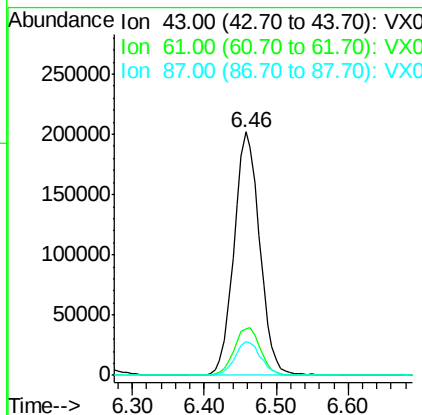
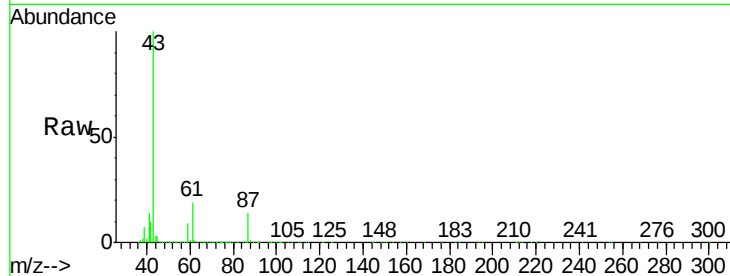
Isopropyl Acetate
 Concen: 50.050 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	14.1	11.5	17.3

Manual Integrations
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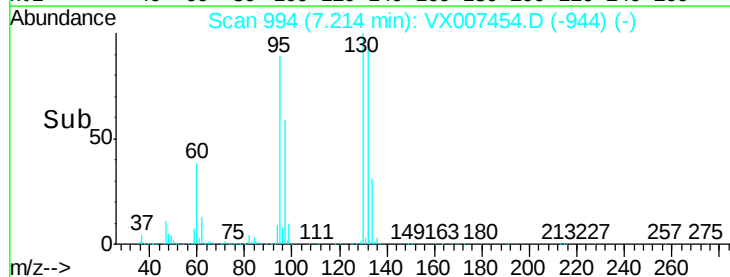
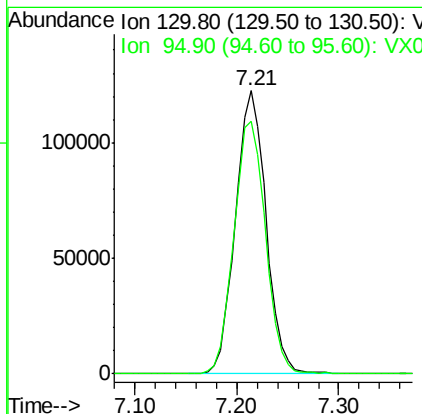
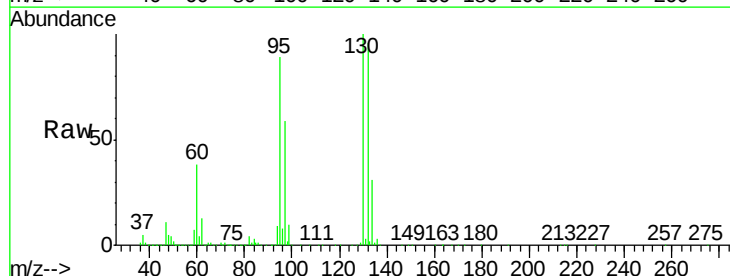
MMDadoda
 2/11/2019 9:44:17 AM

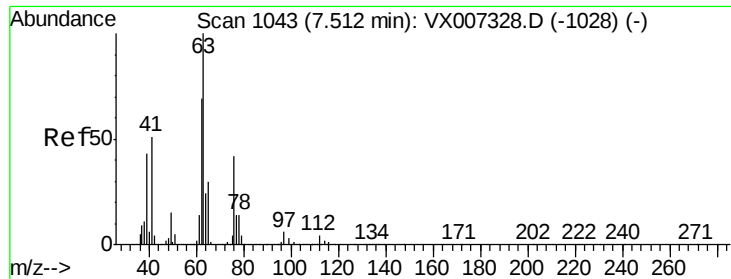


#44

Trichloroethene
 Concen: 44.893 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	180.0





#45

1,2-Dichloropropane

Concen: 47.119 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 222413

Ion Ratio Lower Upper

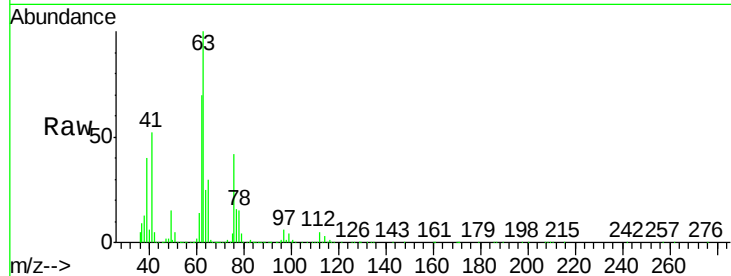
63 100

65 30.2 24.2 36.2

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

120000

100000

80000

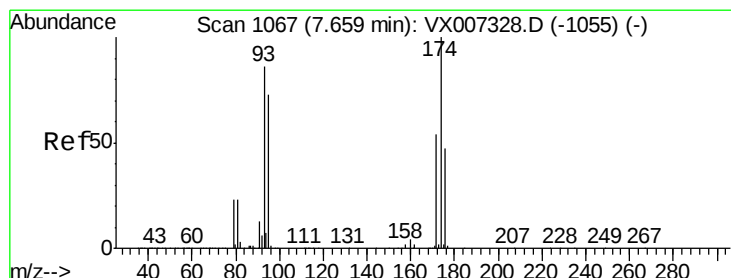
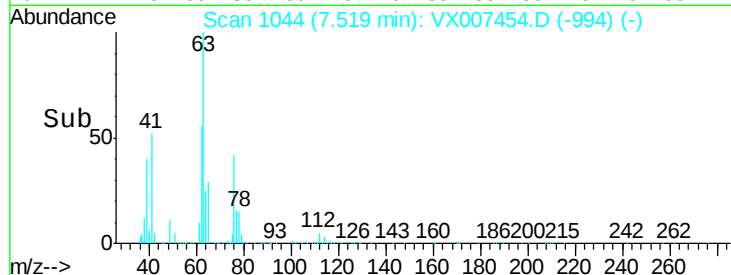
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 46.524 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

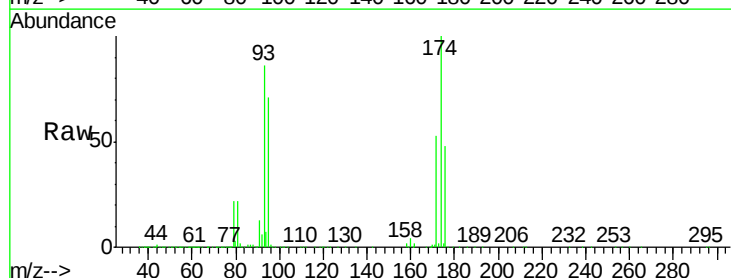
Tgt Ion: 93 Resp: 159610

Ion Ratio Lower Upper

93 100

95 82.6 67.6 101.4

174 114.5 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

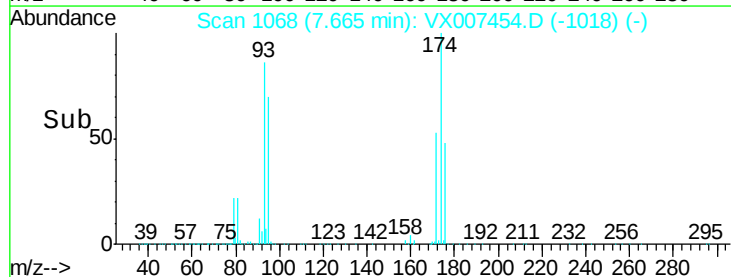
60000

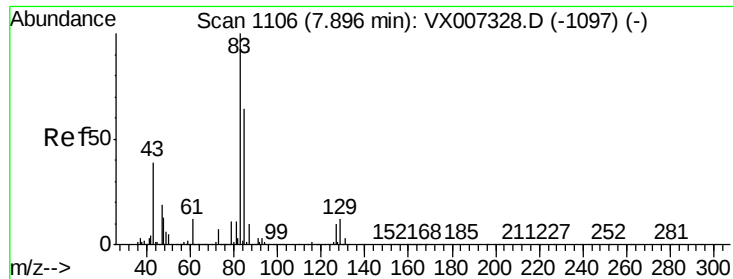
40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75





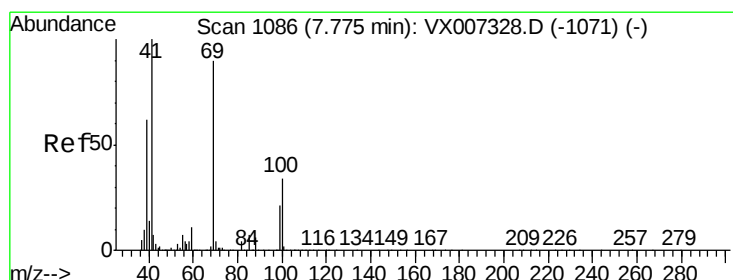
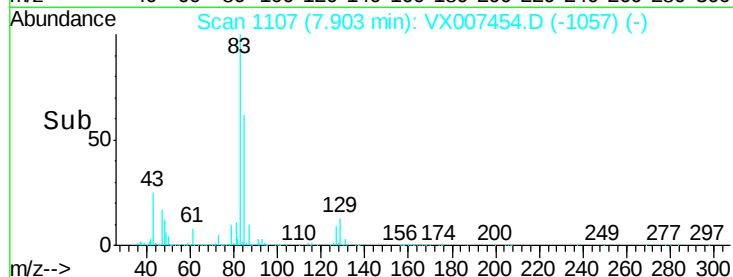
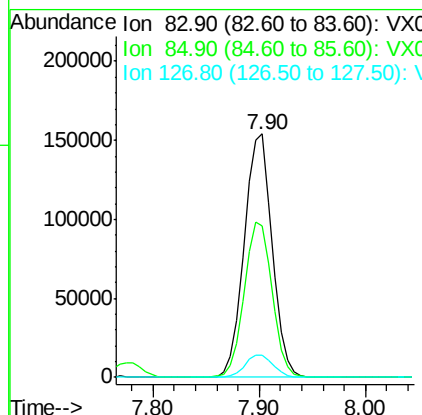
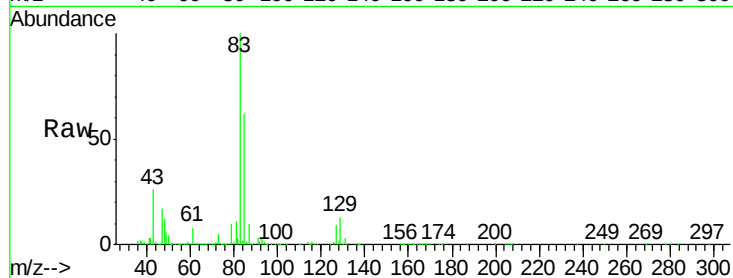
#47
 Bromodichloromethane
 Concen: 48.776 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	283595		
85	62.3		51.4	77.0
127	8.9		8.1	12.1

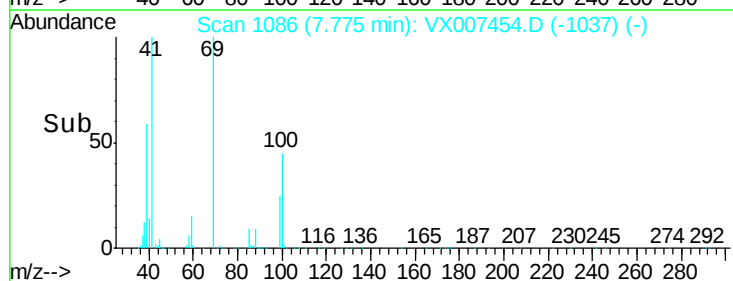
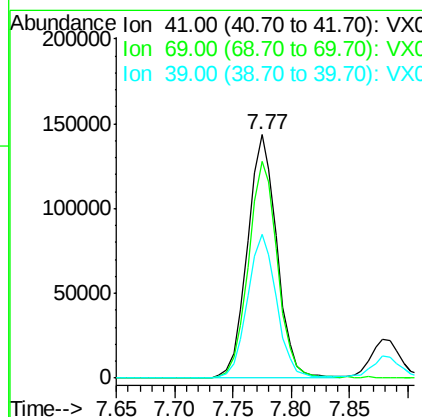
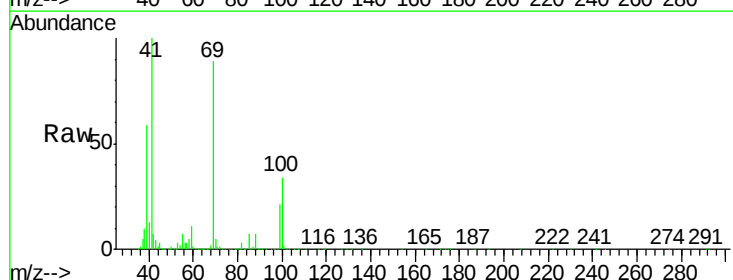
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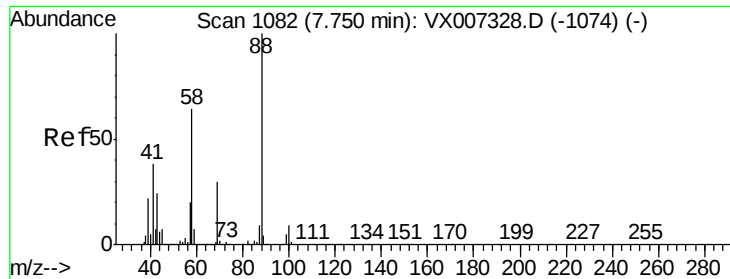
MMDadoda
 2/11/2019 9:44:17 AM



#48
 Methyl methacrylate
 Concen: 50.611 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	252624		
69	88.7		70.2	105.4
39	58.6		47.4	71.0





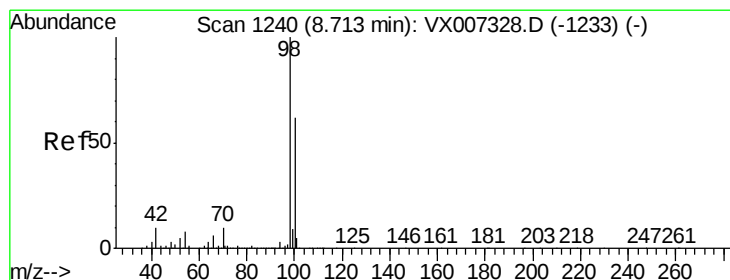
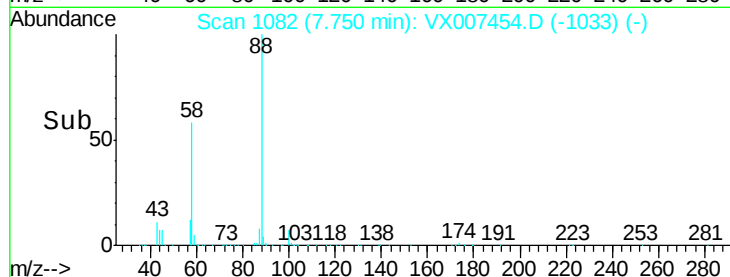
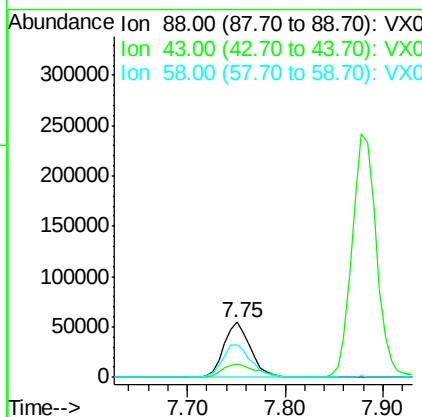
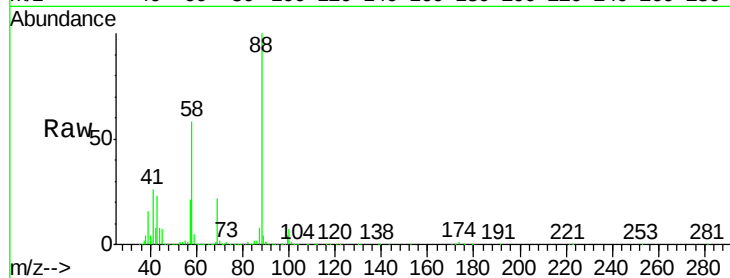
#49
1,4-Dioxane
Concen: 908.316 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.2	36.4
58	63.5	53.0	79.4

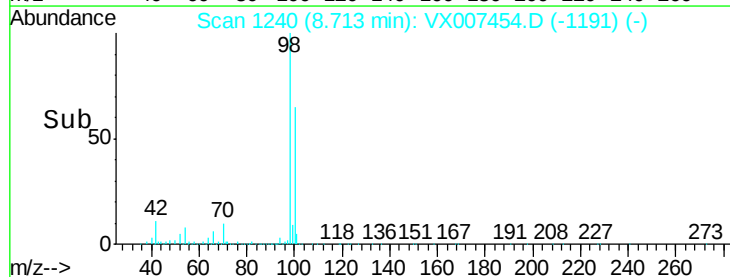
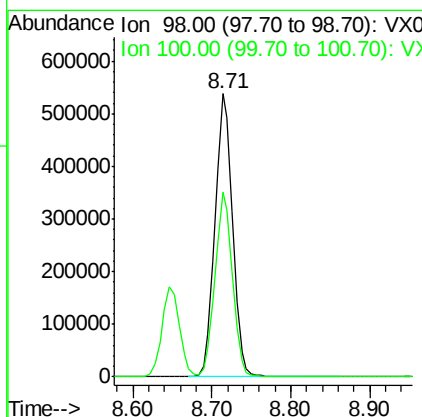
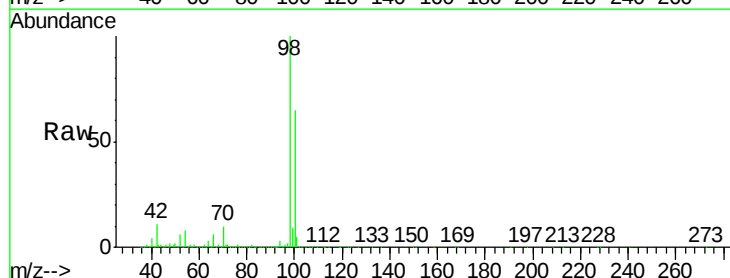
Manual Integrations
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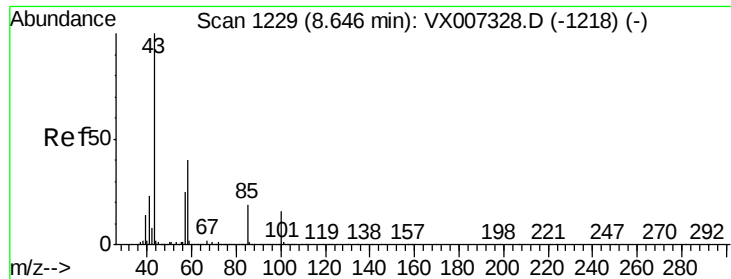
MMDadoda
2/11/2019 9:44:17 AM



#50
Toluene-d8
Concen: 48.622 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 245.232 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1610977

Ion Ratio Lower Upper

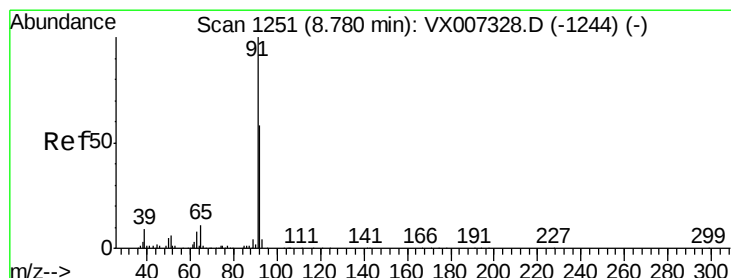
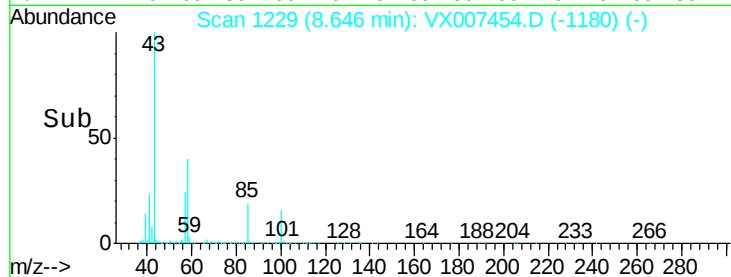
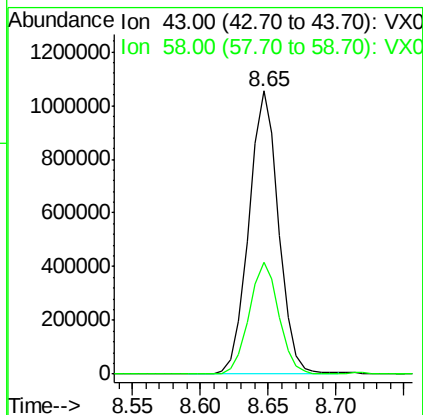
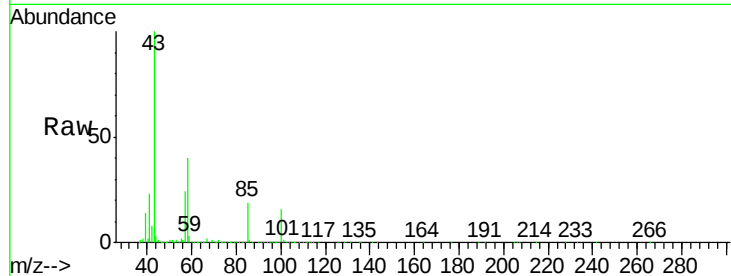
43 100

58 39.5 31.2 46.8

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#52

Toluene

Concen: 46.263 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007454.D

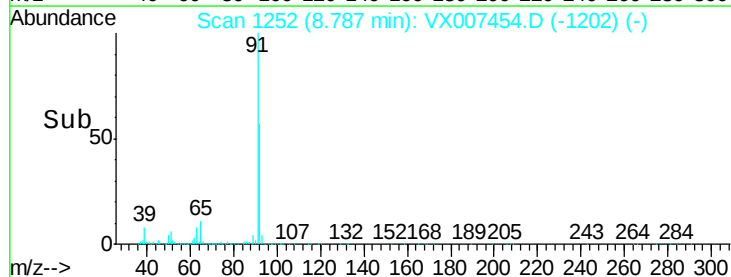
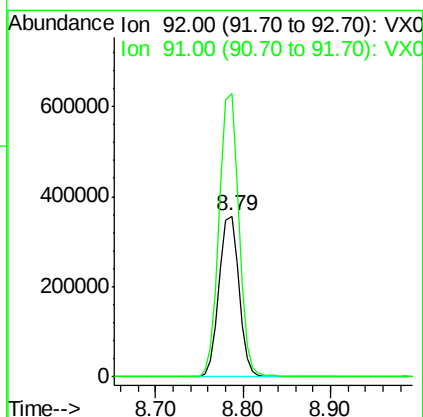
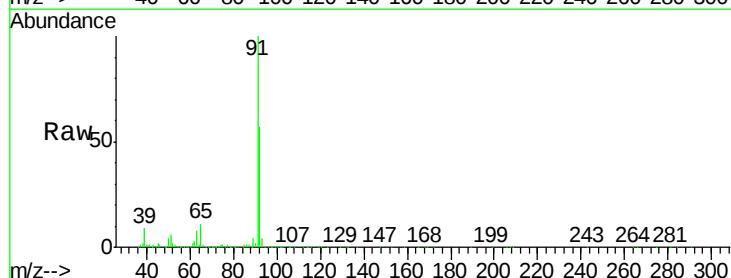
Acq: 08 Feb 2019 20:35

Tgt Ion: 92 Resp: 562320

Ion Ratio Lower Upper

92 100

91 174.9 139.1 208.7





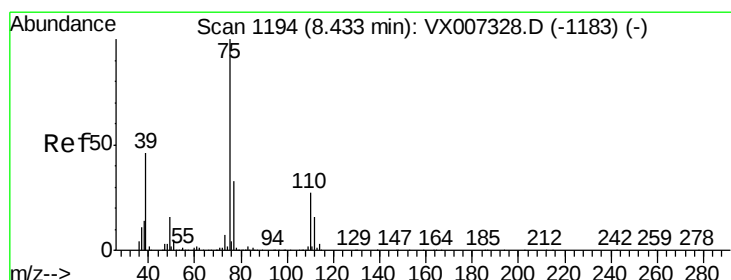
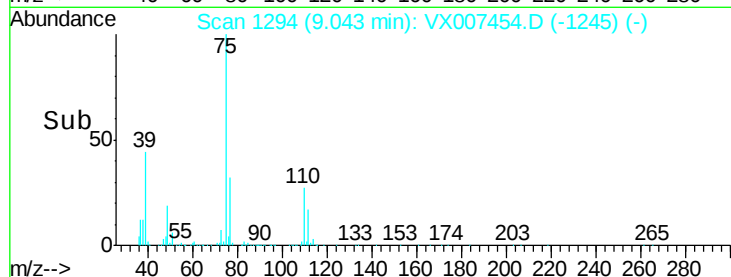
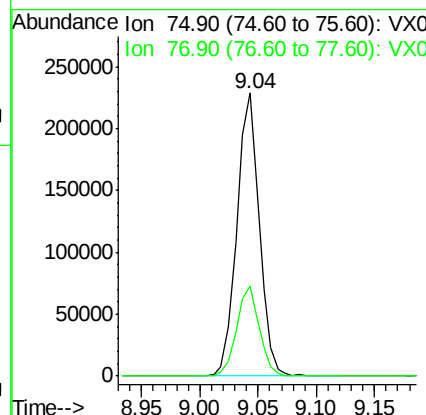
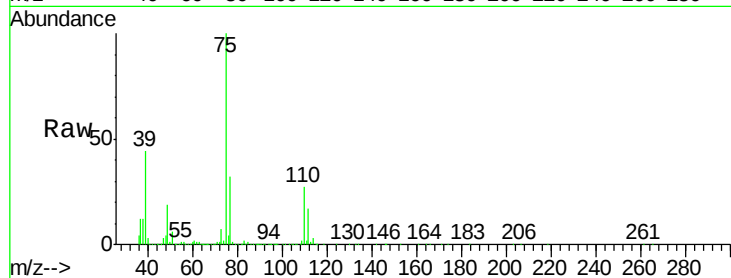
#53
t-1,3-Dichloropropene
Concen: 49.365 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8

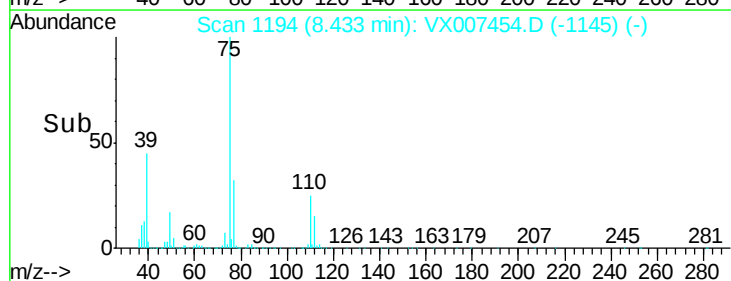
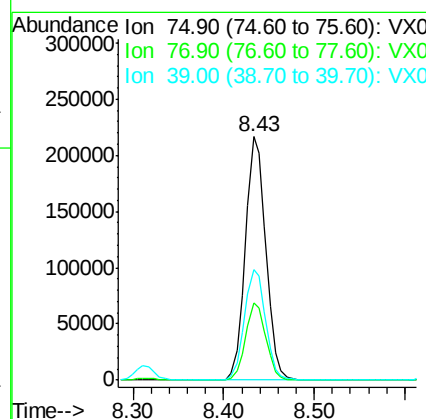
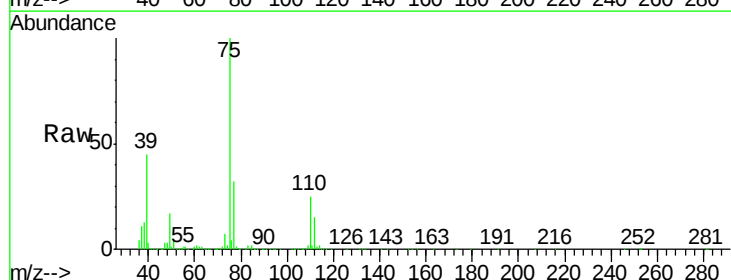
Manual Integrations
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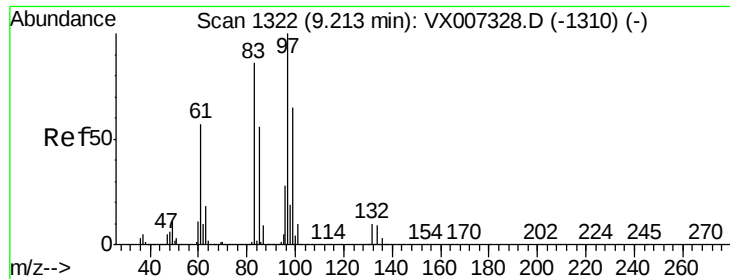
MMDadoda
2/11/2019 9:44:17 AM



#54
cis-1,3-Dichloropropene
Concen: 49.337 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.2	39.4
39	45.4	37.1	55.7





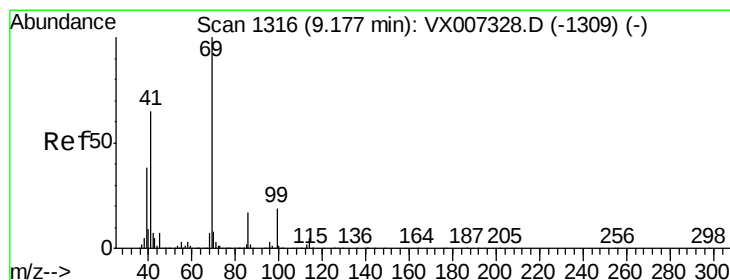
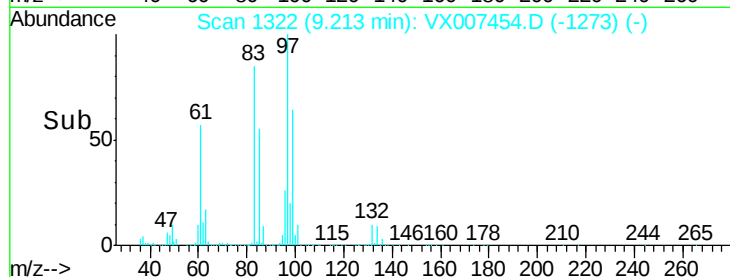
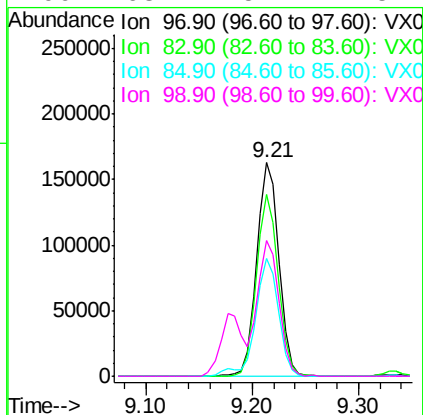
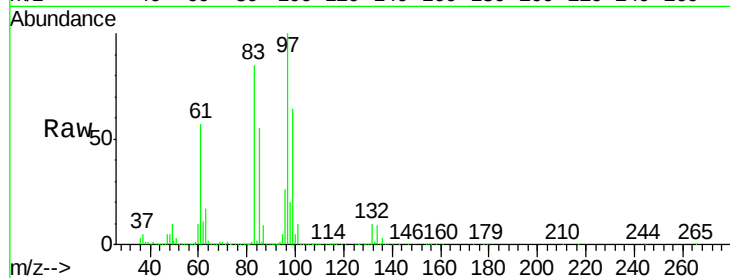
#55
 1,1,2-Trichloroethane
 Concen: 47.164 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		238964		
83	85.0	68.6	102.8		
85	54.8	44.5	66.7		
99	63.7	52.2	78.4		

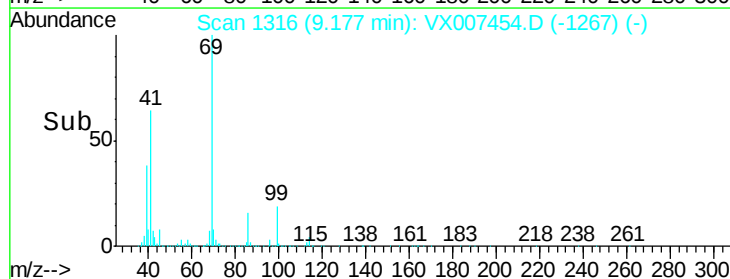
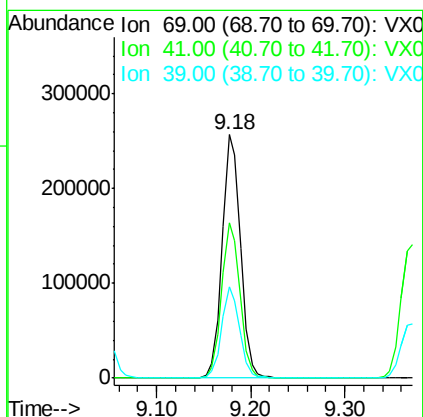
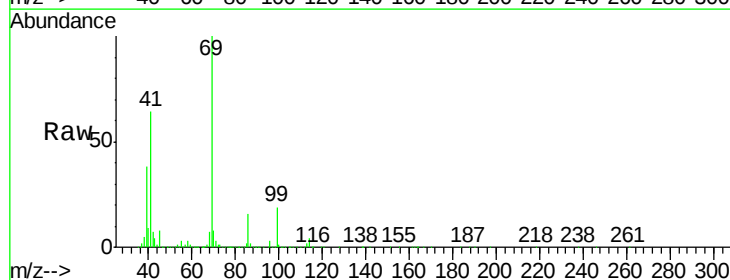
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#56
 Ethyl methacrylate
 Concen: 49.454 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		347043		
41	63.8	52.1	78.1		
39	36.4	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 46.941 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 378233

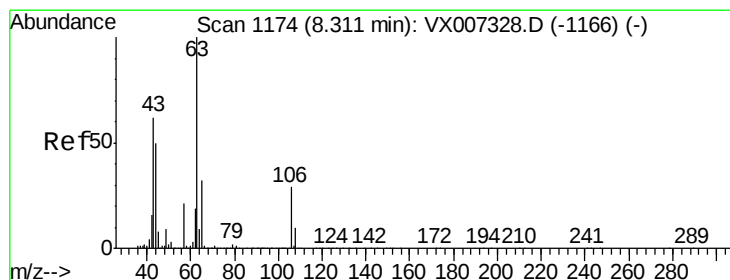
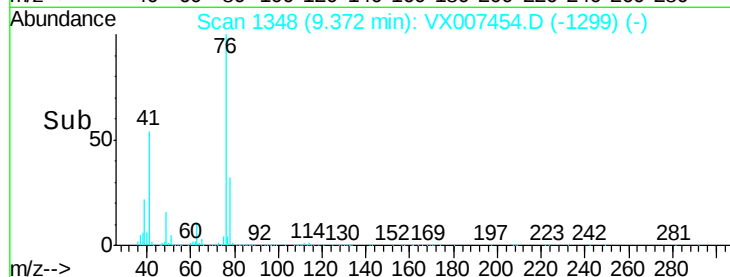
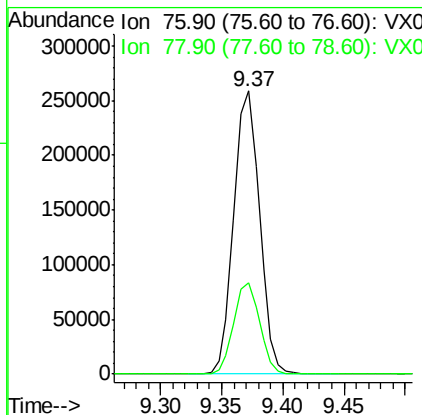
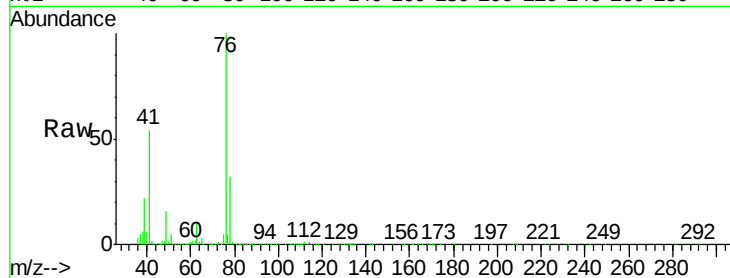
Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8

Manual Integrations
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2/11/2019 9:44:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 247.792 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007454.D

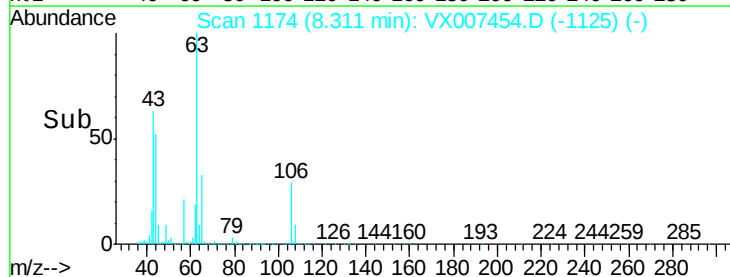
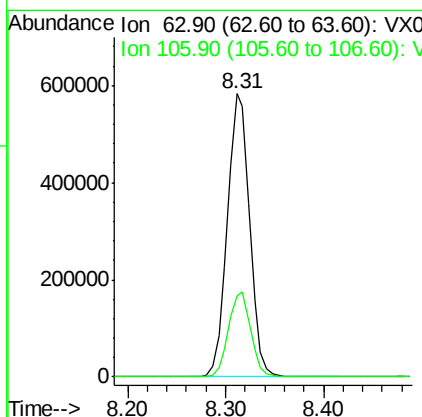
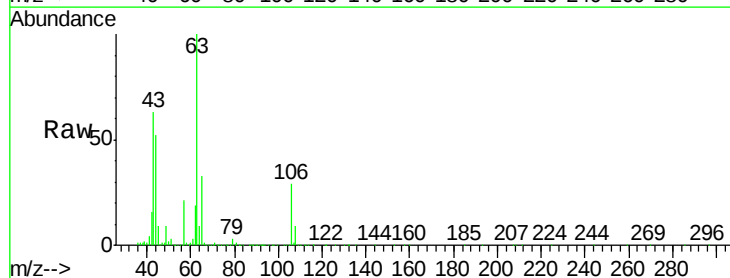
Acq: 08 Feb 2019 20:35

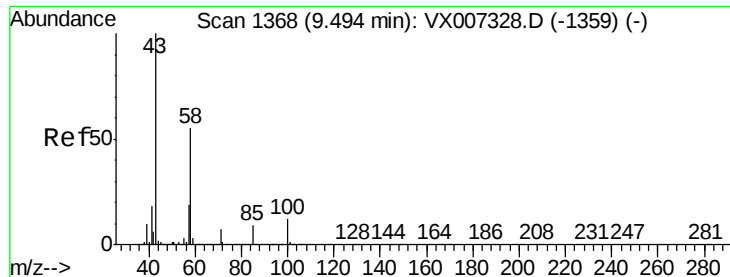
Tgt Ion: 63 Resp: 916526

Ion Ratio Lower Upper

63 100

106 30.1 23.6 35.4





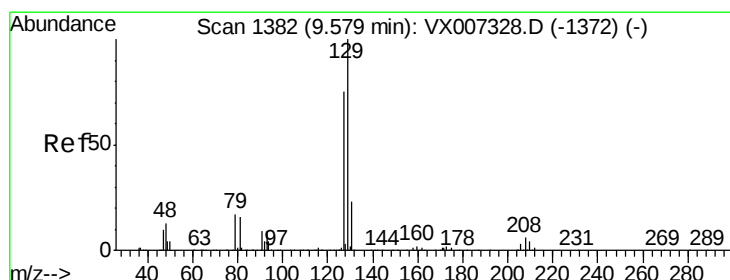
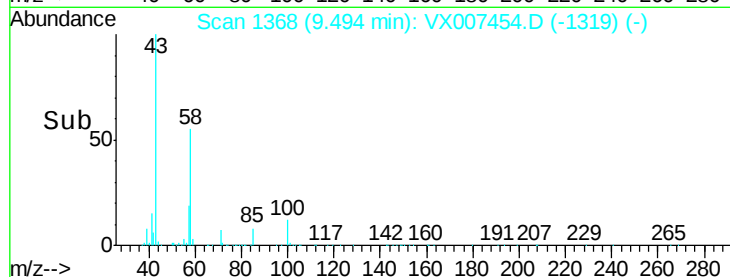
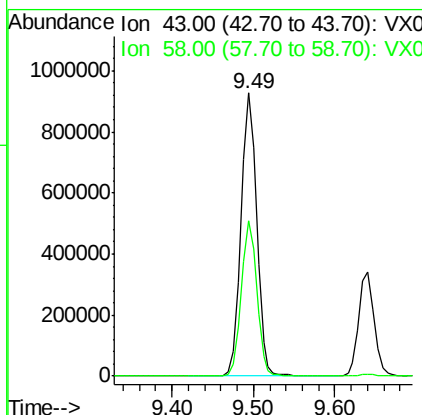
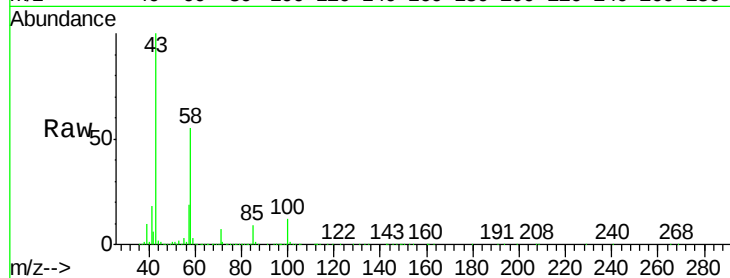
#59
2-Hexanone
Concen: 239.375 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1223669
Ion Ratio Lower Upper
43 100
58 54.5 27.1 81.3

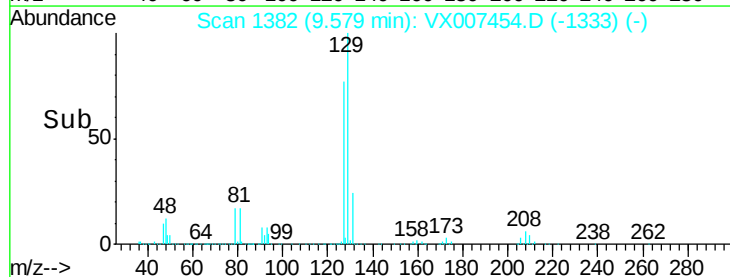
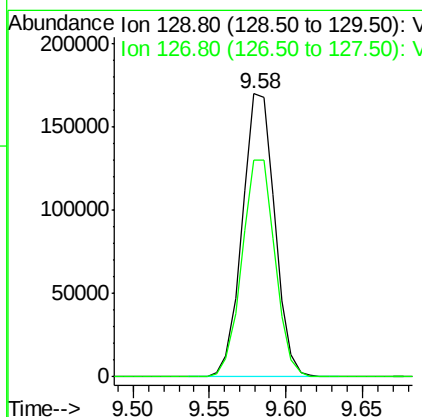
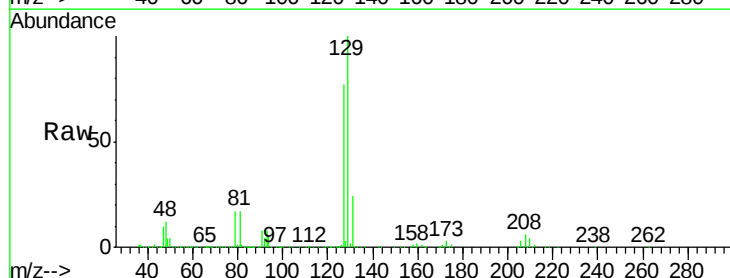
Manual Integrations
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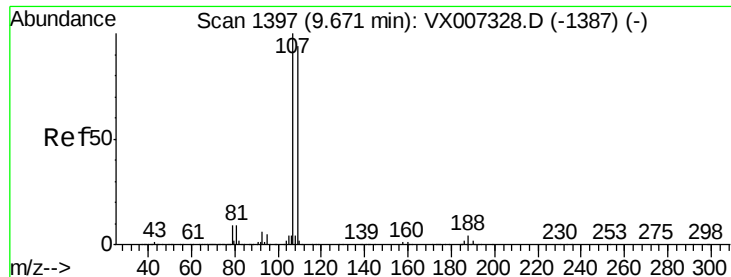
MMDadoda
2/11/2019 9:44:17 AM



#60
Dibromochloromethane
Concen: 52.285 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion: 129 Resp: 250545
Ion Ratio Lower Upper
129 100
127 77.8 37.8 113.4





#61

1,2-Dibromoethane

Concen: 47.924 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 257146

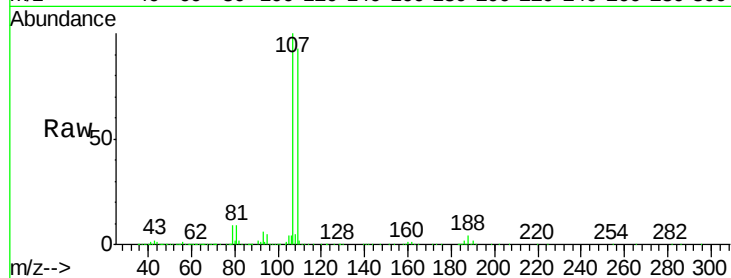
Ion Ratio Lower Upper

107 100

109 95.0 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

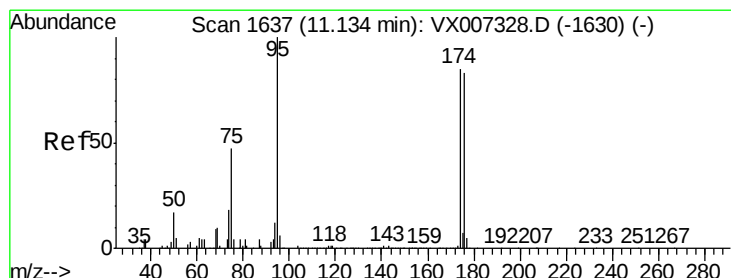
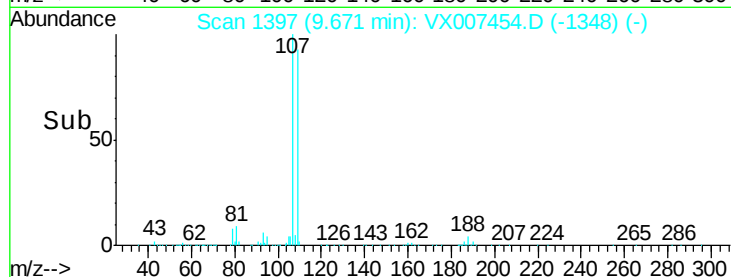
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.428 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

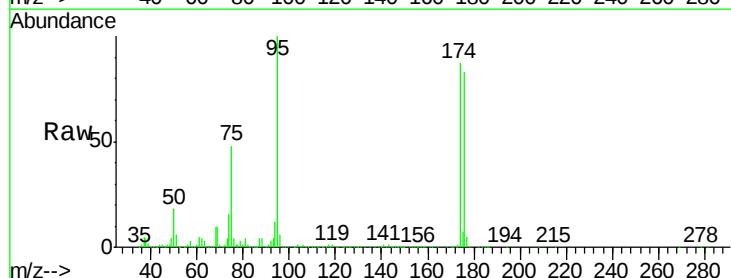
Tgt Ion: 95 Resp: 297968

Ion Ratio Lower Upper

95 100

174 94.2 0.0 189.2

176 90.9 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

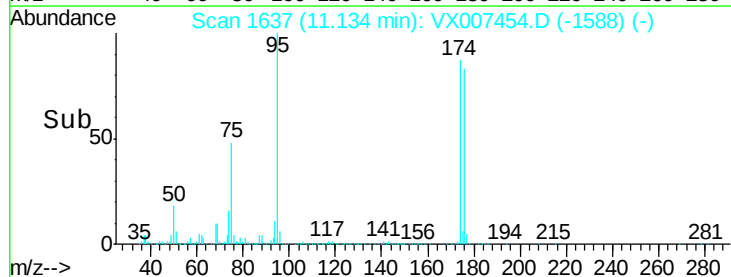
150000

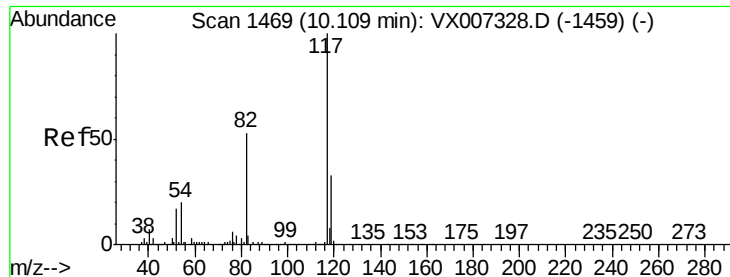
100000

50000

0

Time-->





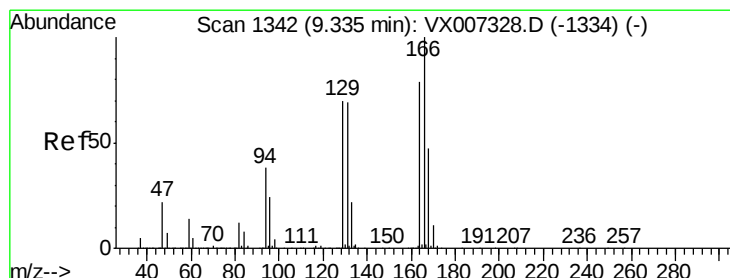
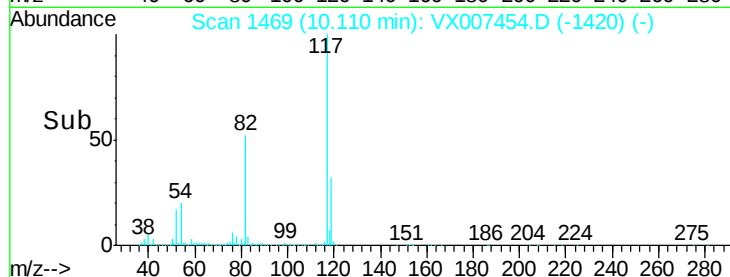
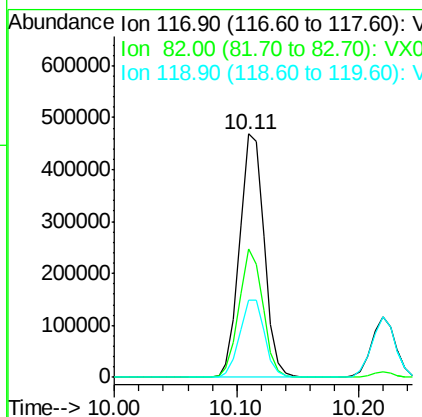
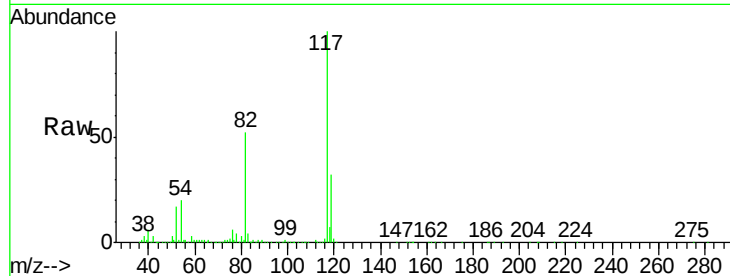
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.1	63.1
119	31.6	26.5	39.7

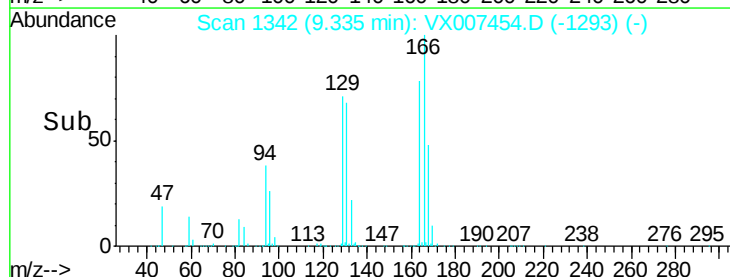
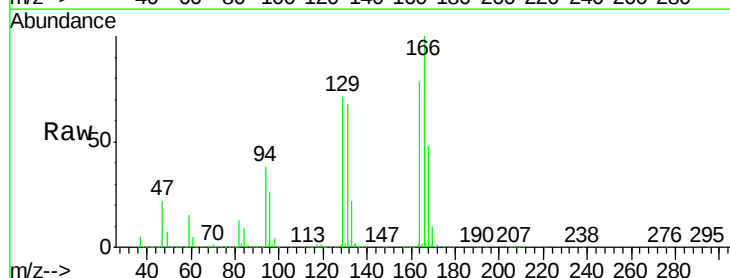
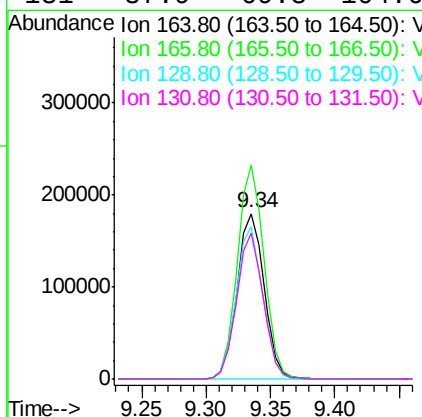
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#64
Tetrachloroethene
Concen: 42.890 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.0	151.4
129	91.7	70.5	105.7
131	87.9	69.8	104.6





#65

Chlorobenzene

Concen: 45.984 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 650448

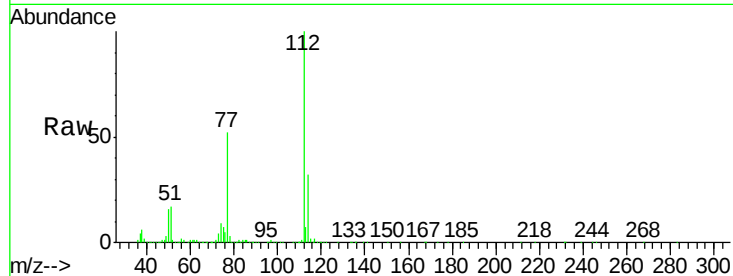
Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.6

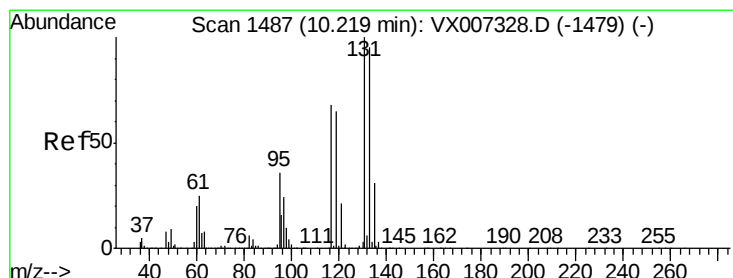
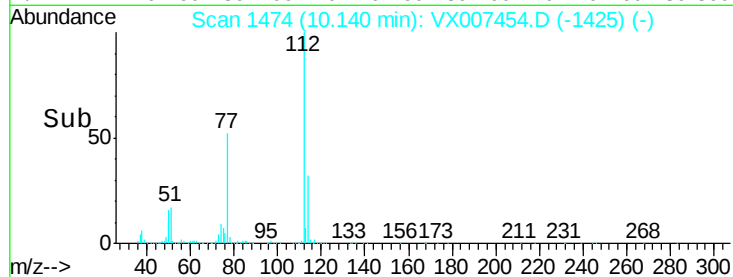
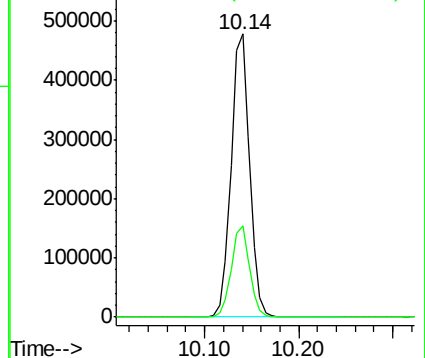
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.217 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

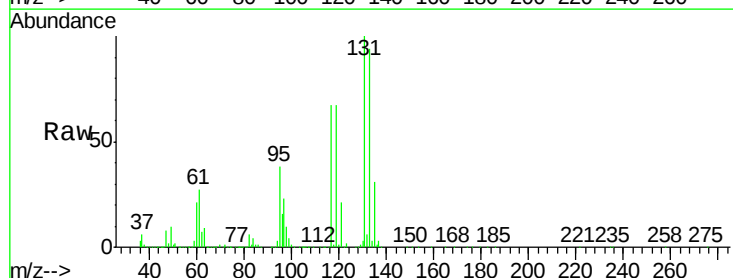
Tgt Ion:131 Resp: 238151

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.2

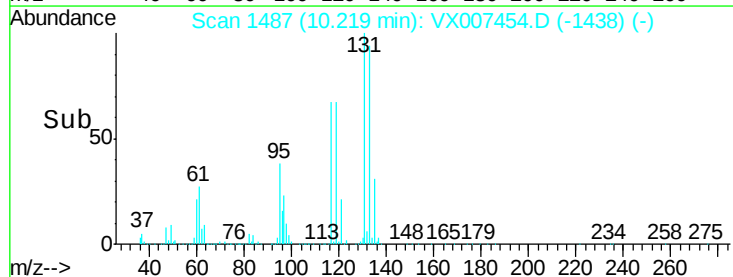
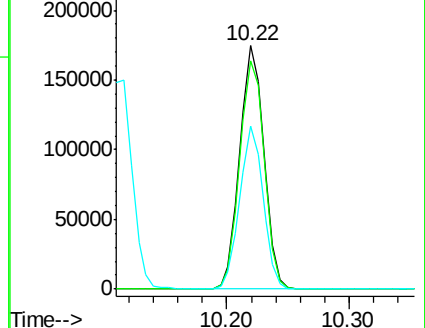
119 65.1 32.0 96.0

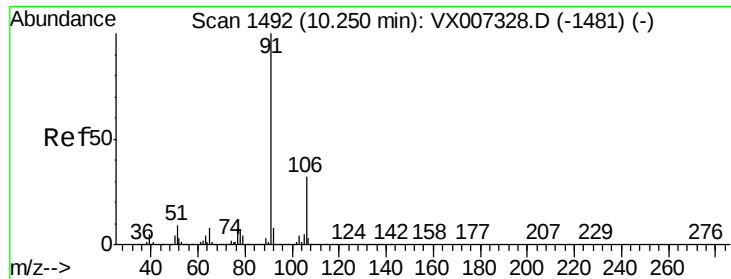


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 47.278 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1076928

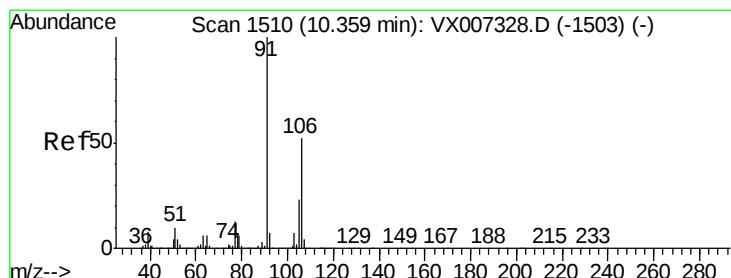
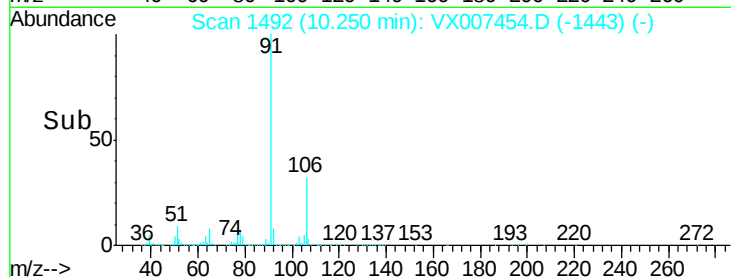
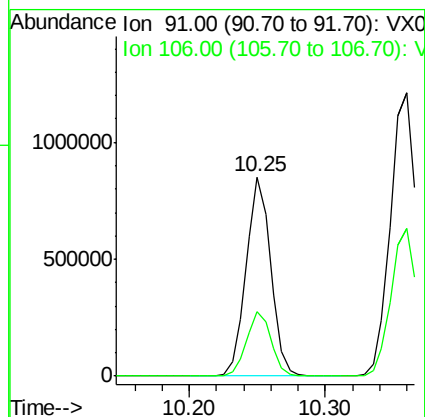
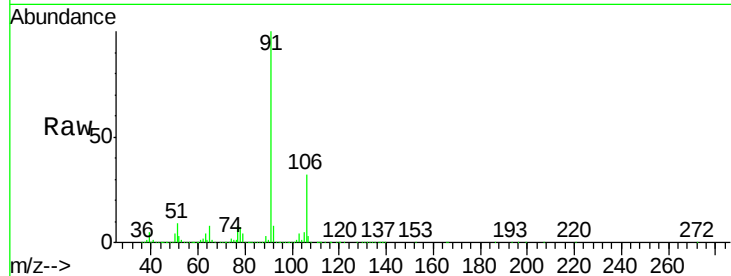
Ion Ratio Lower Upper

91 100

106 32.3 25.4 38.0

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#68

m/p-Xylenes

Concen: 93.266 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007454.D

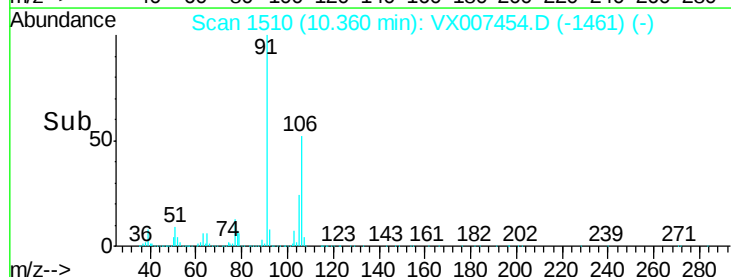
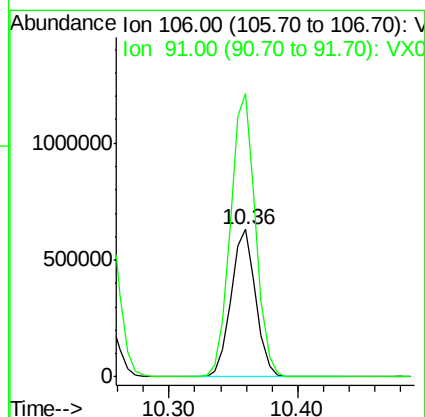
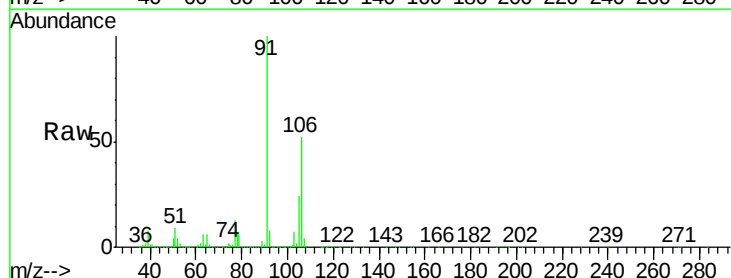
Acq: 08 Feb 2019 20:35

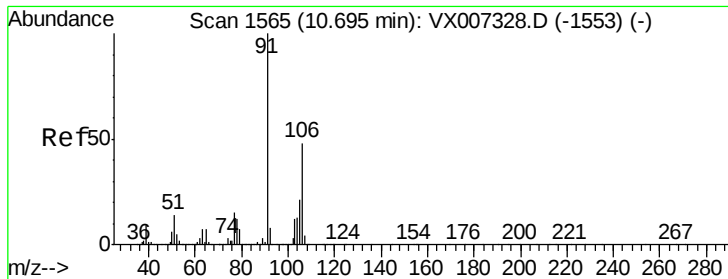
Tgt Ion: 106 Resp: 844512

Ion Ratio Lower Upper

106 100

91 195.1 156.6 234.8





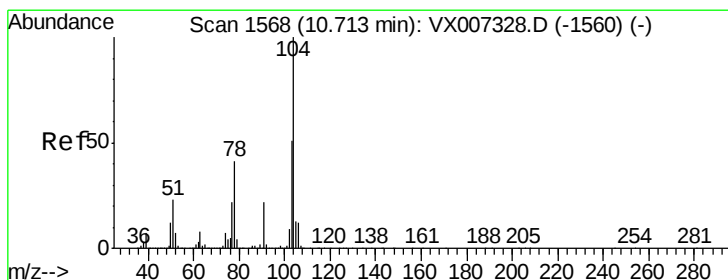
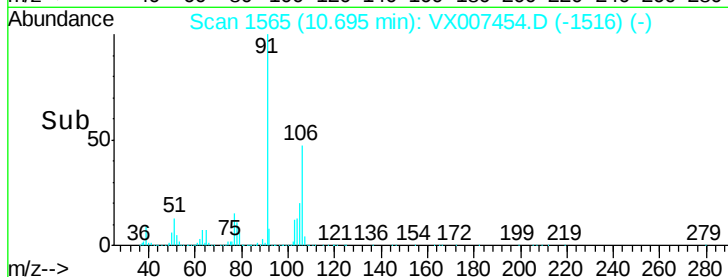
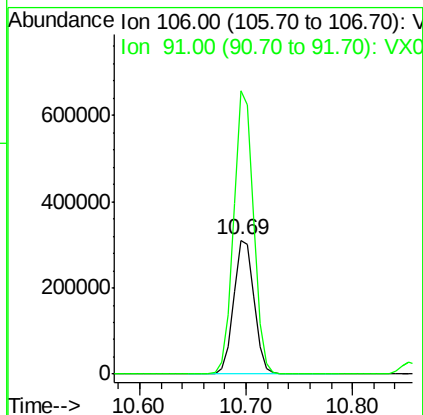
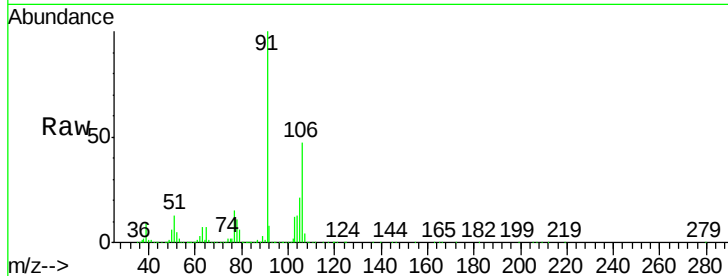
#69
o-Xylene
Concen: 47.964 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.3	102.9	308.7	

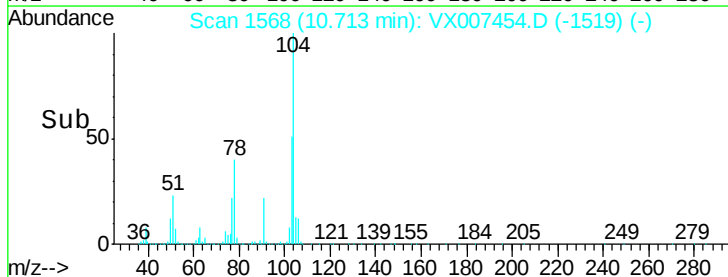
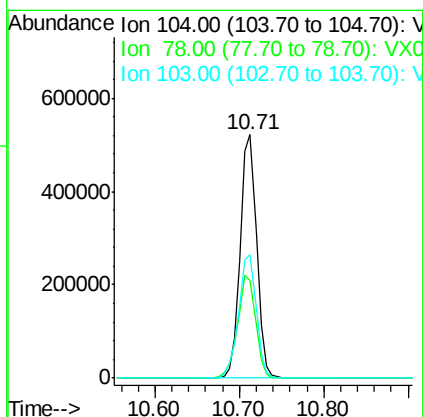
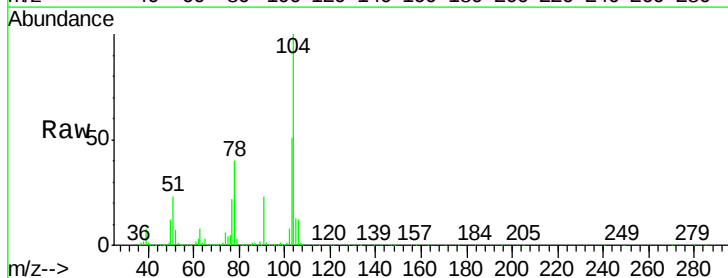
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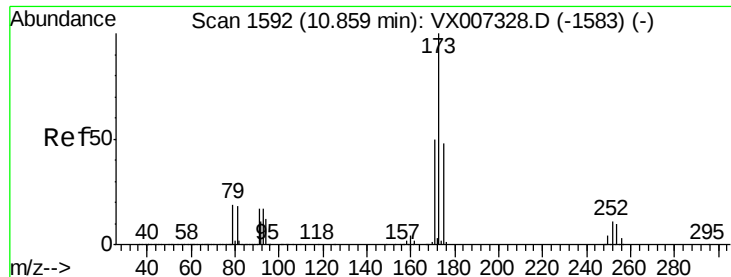
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#70
Styrene
Concen: 47.706 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.8	38.3	57.5	
103	55.3	44.6	67.0	





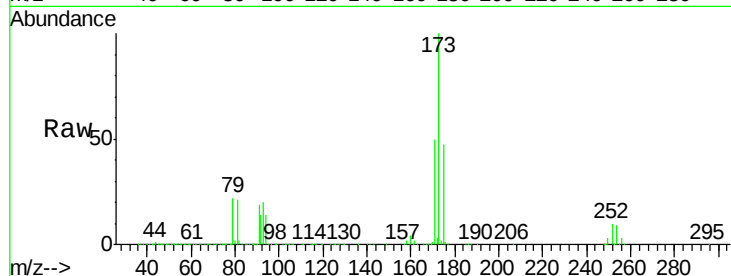
#71
Bromoform
Concen: 45.790 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

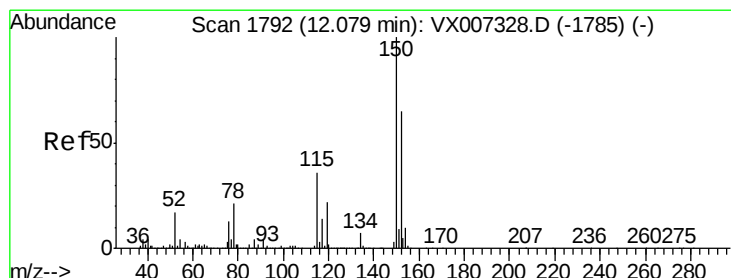
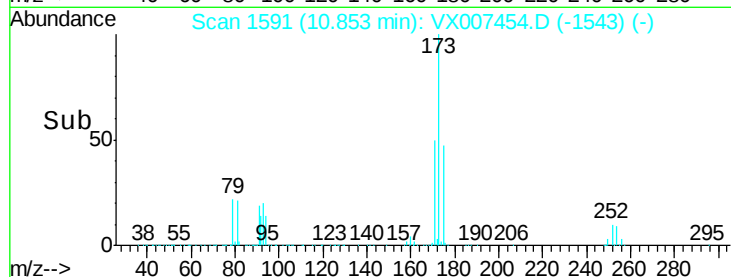
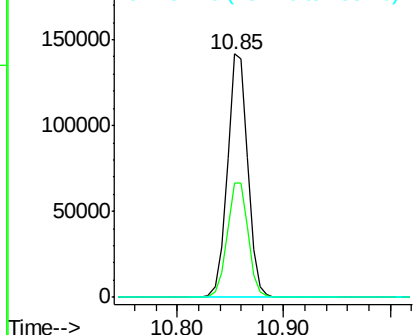
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.2	0.2	0.2

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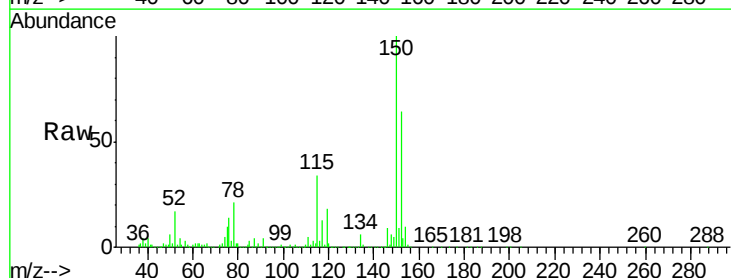


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

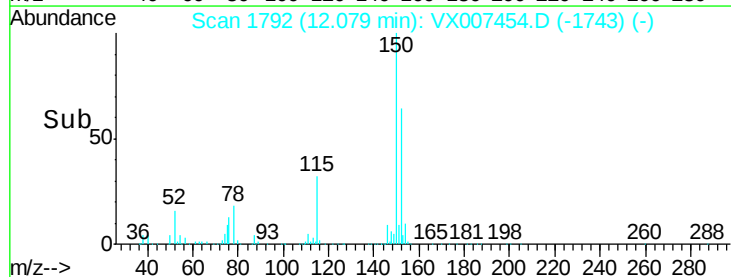
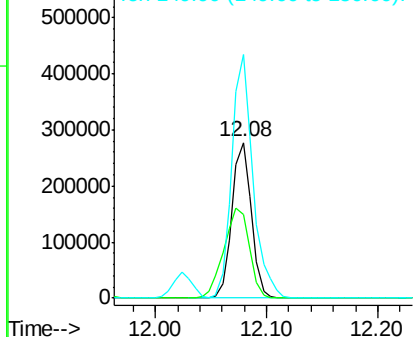


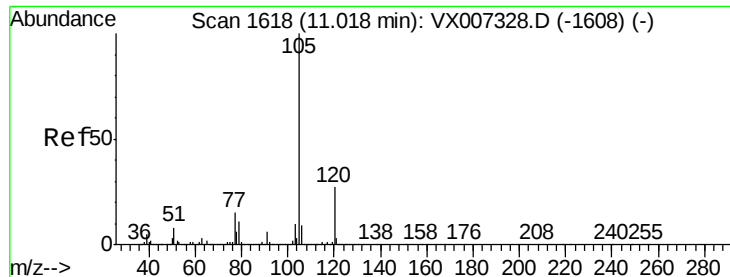
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.7	38.0	114.0
150	170.3	0.0	346.4



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





#73

Isopropylbenzene

Concen: 48.305 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1095088

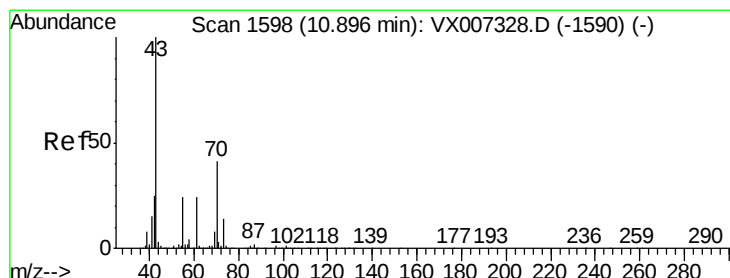
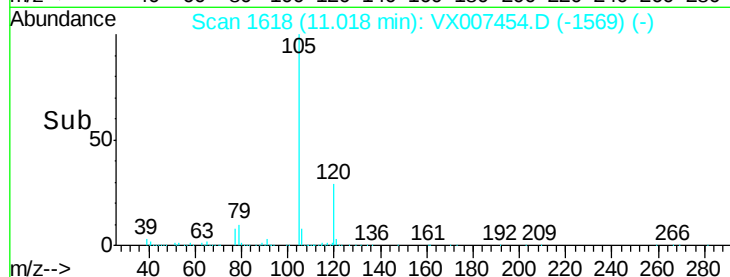
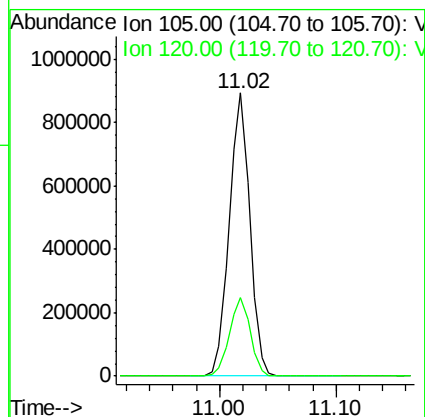
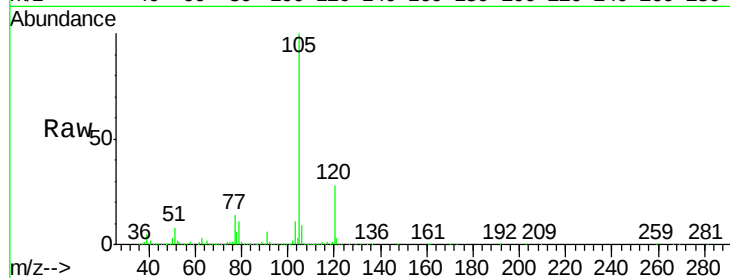
Ion Ratio Lower Upper

105 100

120 28.0 13.6 40.7

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#74

N-ethyl acetate

Concen: 49.900 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Tgt Ion: 43 Resp: 437551

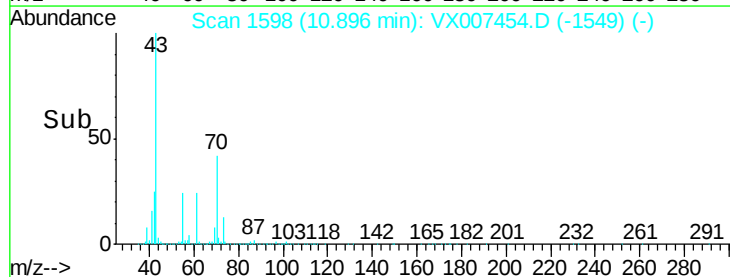
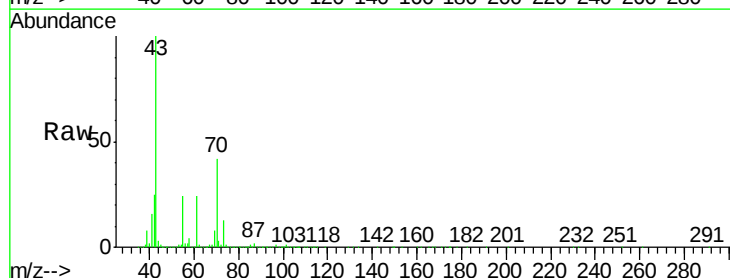
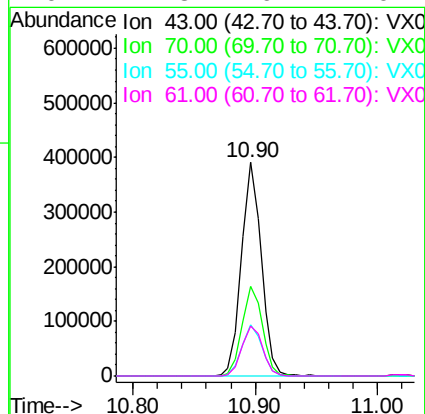
Ion Ratio Lower Upper

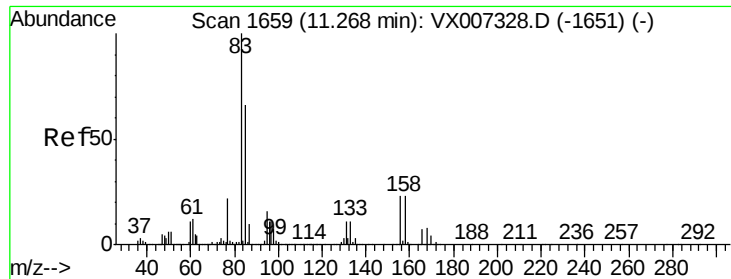
43 100

70 43.4 33.8 50.6

55 24.4 19.5 29.3

61 24.8 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.950 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

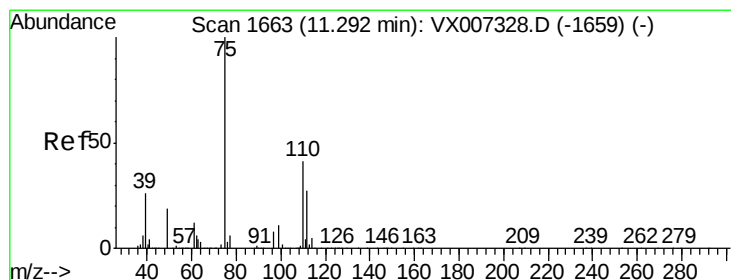
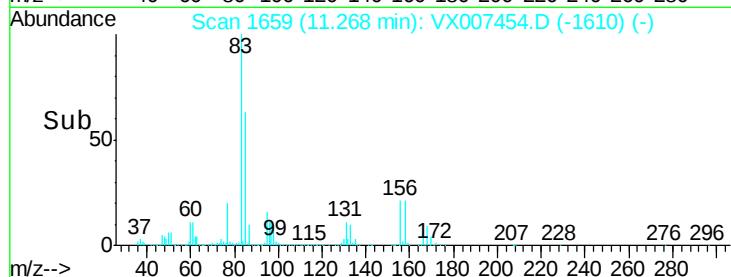
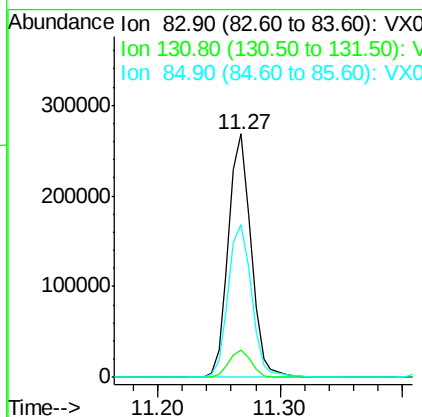
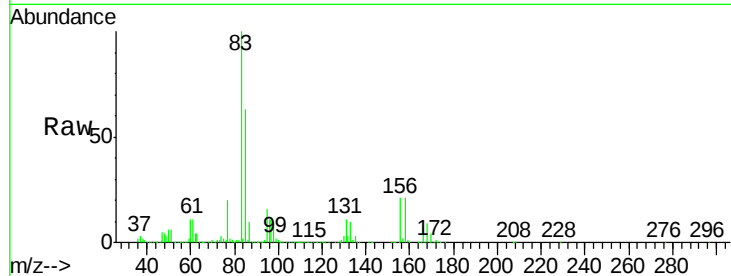
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	345104
Ion Ratio		Lower	Upper
83	100		
131	11.1	5.7	17.0
85	64.6	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 50.721 ug/l m

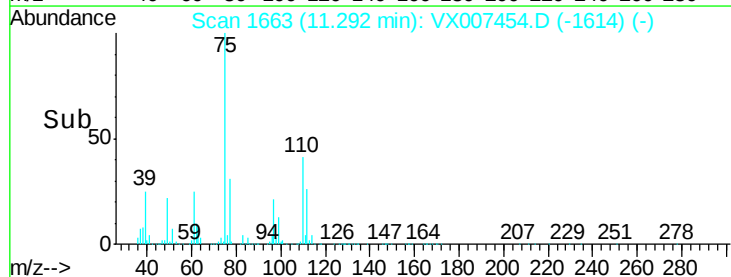
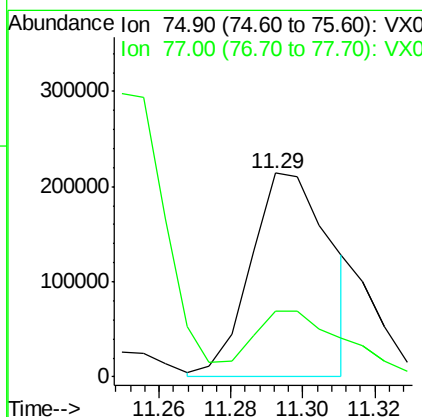
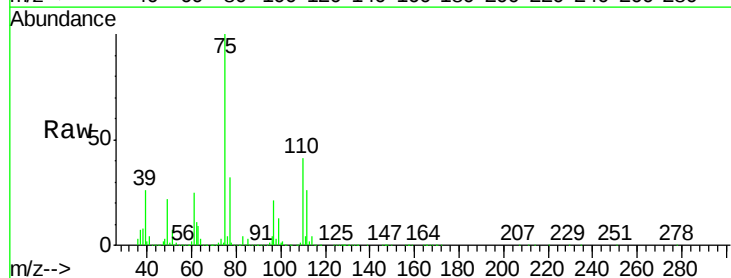
RT: 11.29 min Scan# 1663

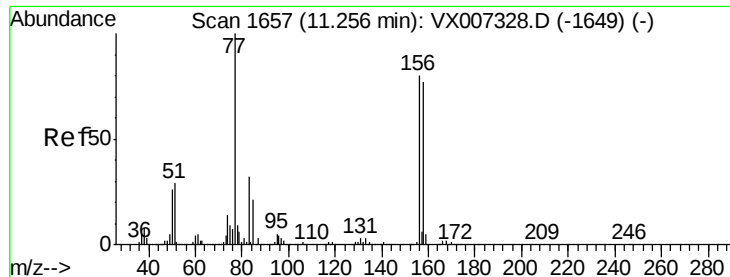
Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Tgt Ion:	75	Resp:	329132
Ion Ratio		Lower	Upper
75	100		
77	38.4	23.0	69.0





#77

Bromobenzene

Concen: 46.812 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 299008

Ion Ratio Lower Upper

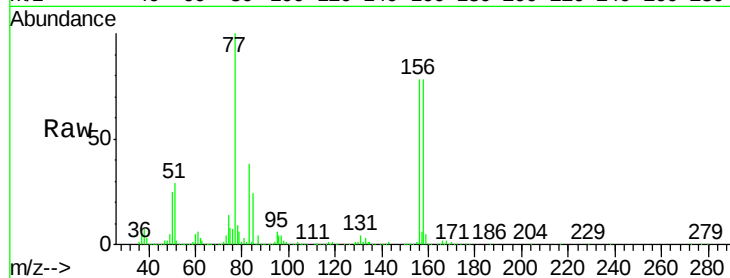
156 100

77 132.6 66.8 200.6

158 97.6 47.9 143.8

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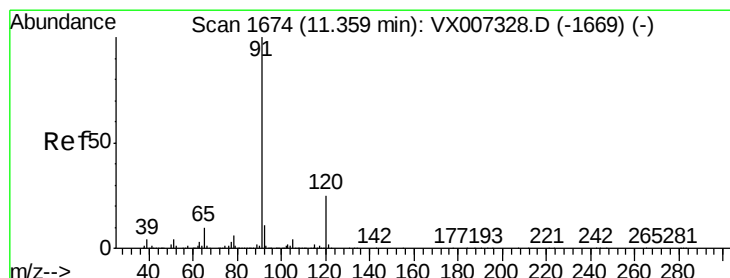
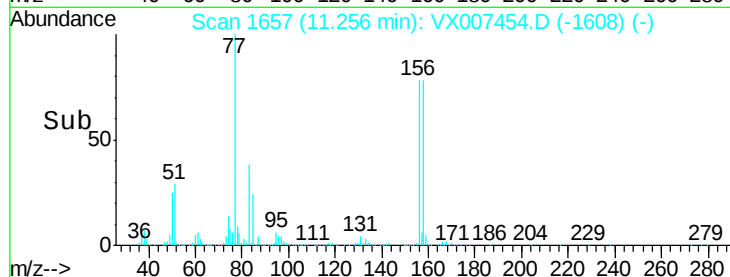
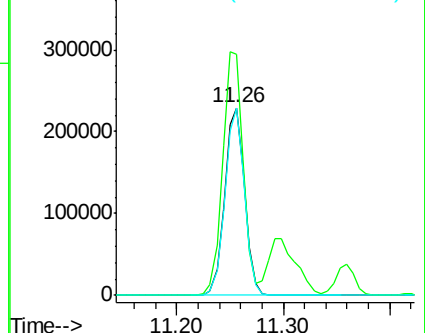
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.640 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007454.D

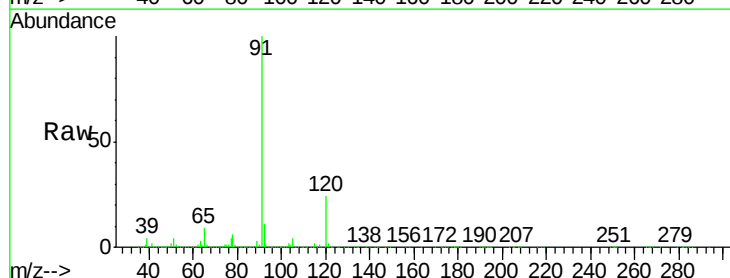
Acq: 08 Feb 2019 20:35

Tgt Ion: 91 Resp: 1234022

Ion Ratio Lower Upper

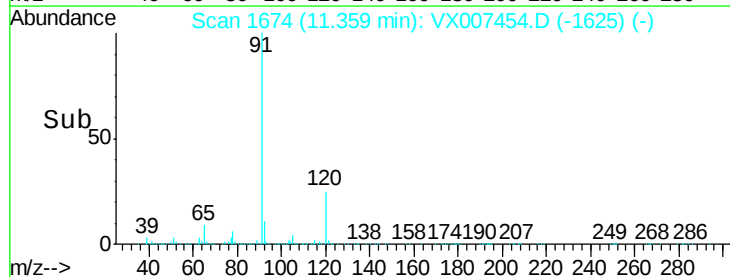
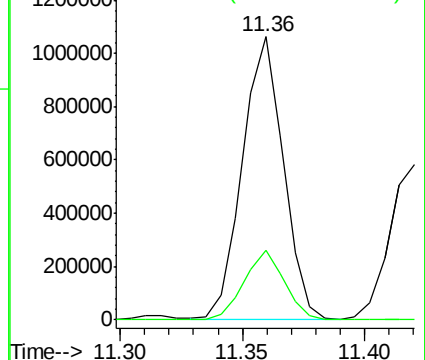
91 100

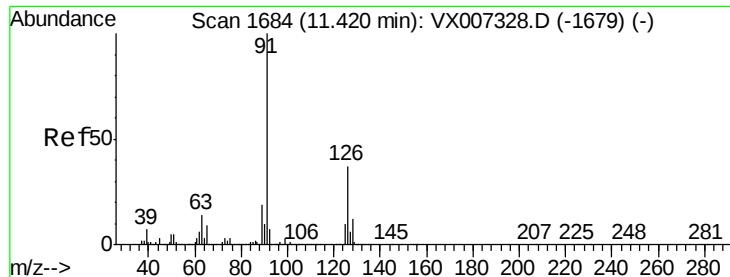
120 24.4 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.617 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 718255

Ion Ratio Lower Upper

91 100

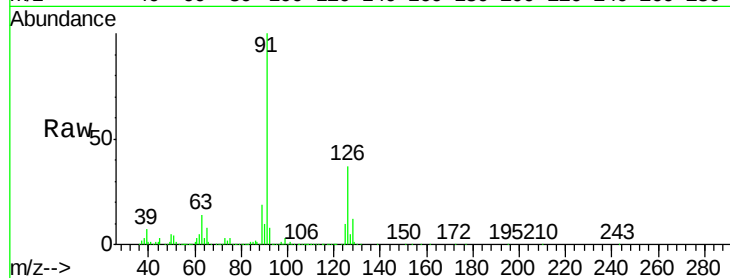
126 37.3 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VX007328.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007328.D (-1679) (-)

1200000

1000000

800000

600000

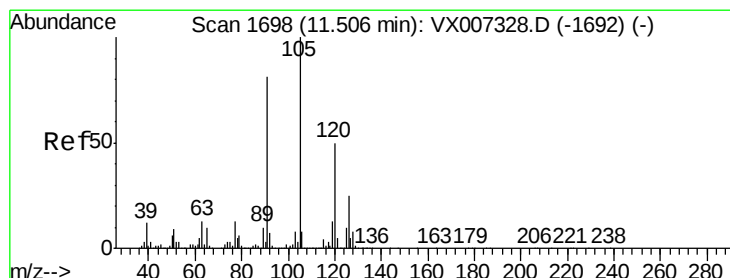
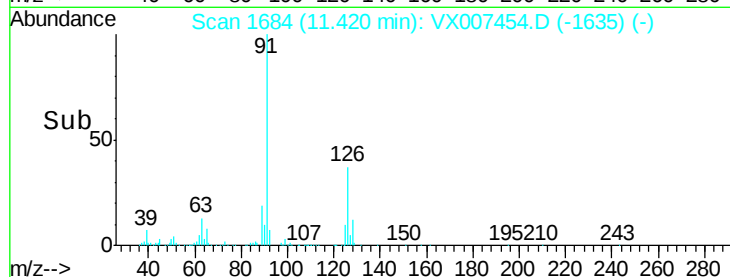
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.567 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007454.D

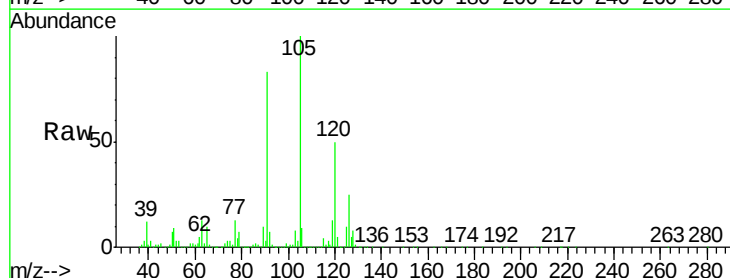
Acq: 08 Feb 2019 20:35

Tgt Ion: 105 Resp: 900777

Ion Ratio Lower Upper

105 100

120 49.8 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007328.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007328.D (-1692) (-)

800000

600000

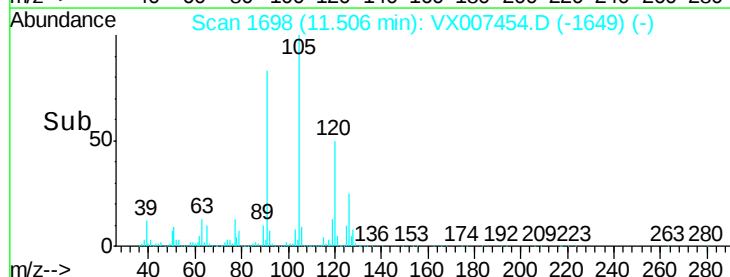
400000

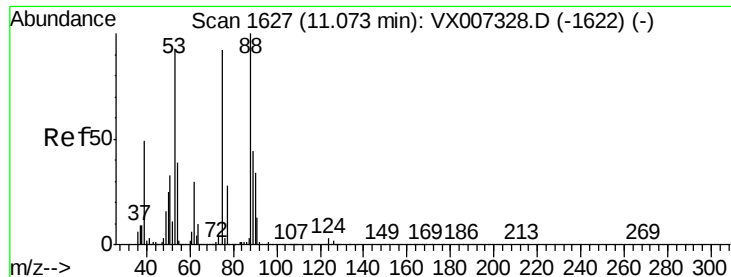
200000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.810 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

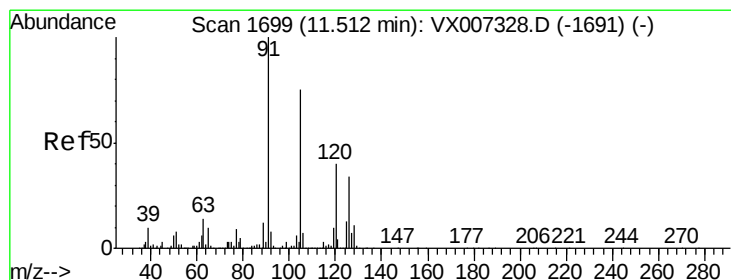
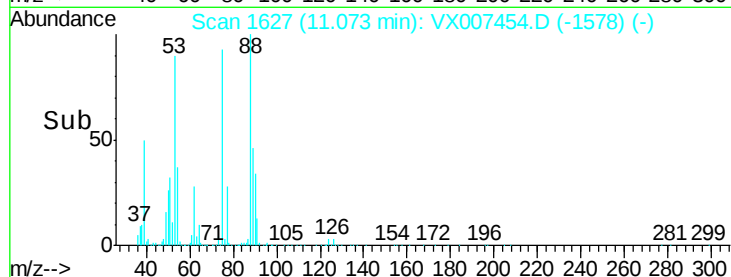
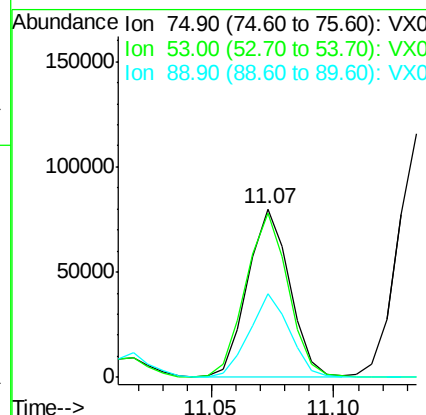
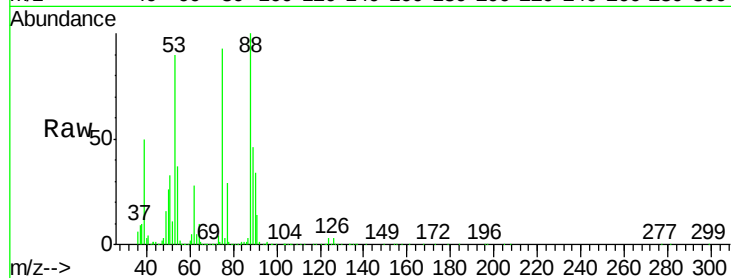
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	95361
Ion	Ratio	Lower	Upper
75	100		
53	100.0	81.0	121.6
89	48.3	41.4	62.0

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#82

4-Chlorotoluene

Concen: 47.768 ug/l

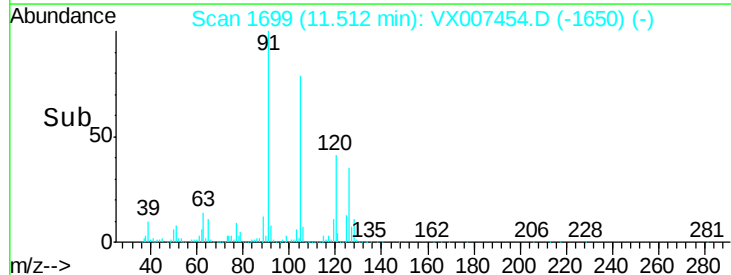
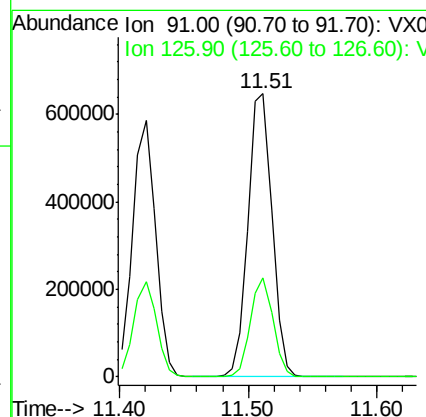
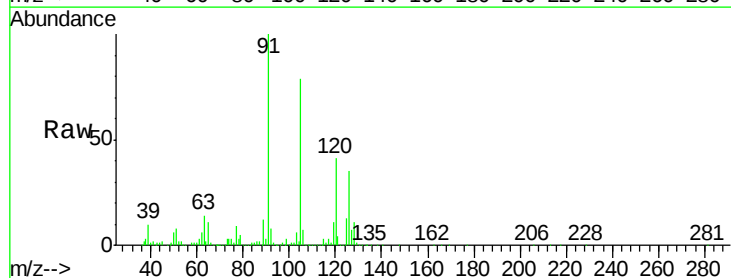
RT: 11.51 min Scan# 1699

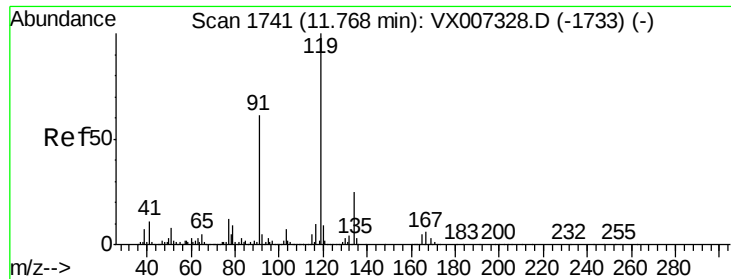
Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Tgt Ion:	91	Resp:	833739
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.2	48.5





#83

tert-Butylbenzene

Concen: 48.478 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

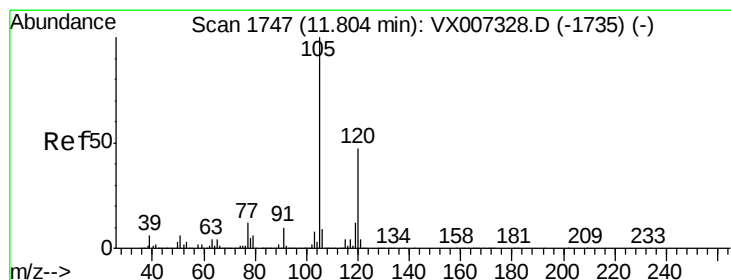
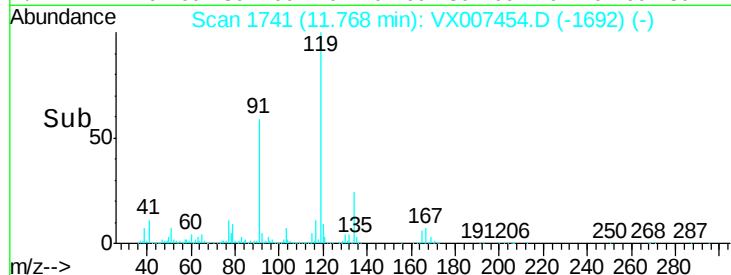
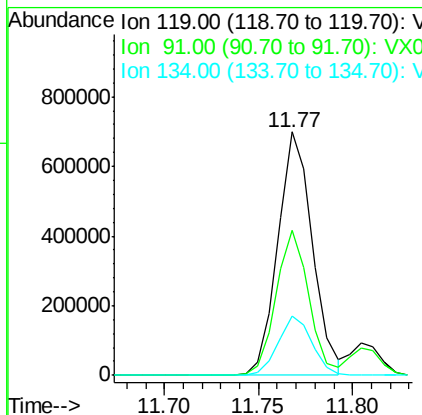
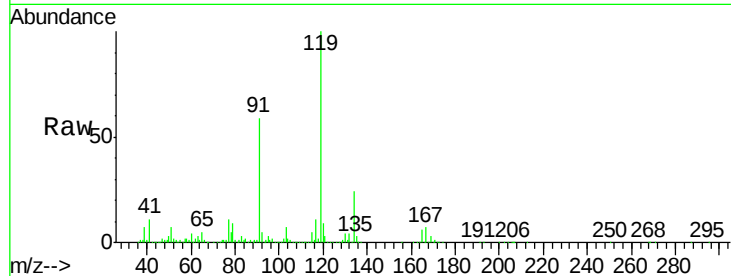
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	890183
Ion Ratio	Lower	Upper	
119	100		
91	56.4	28.5	85.6
134	23.9	12.0	36.0

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#84

1,2,4-Trimethylbenzene

Concen: 48.751 ug/l

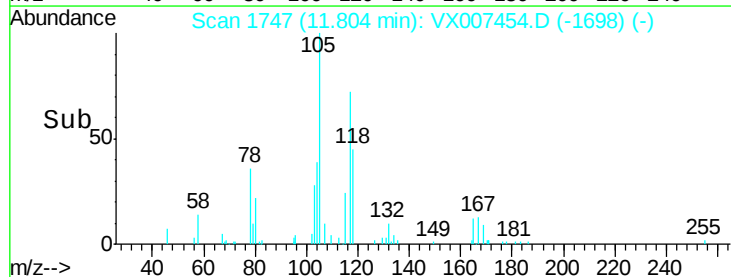
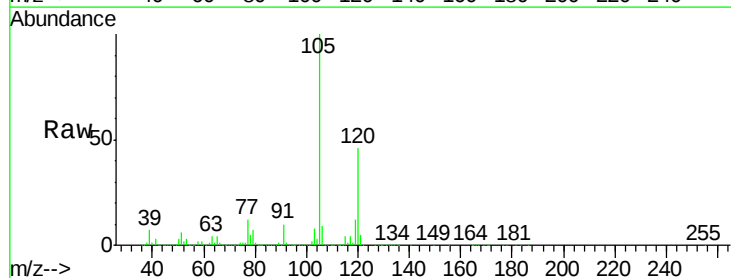
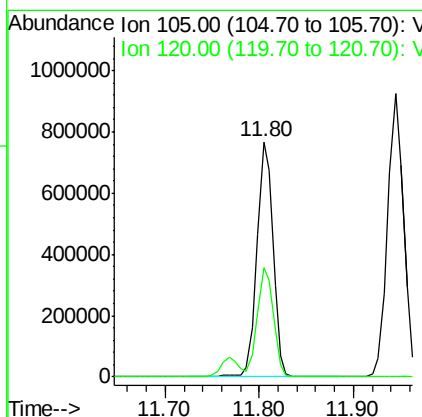
RT: 11.80 min Scan# 1747

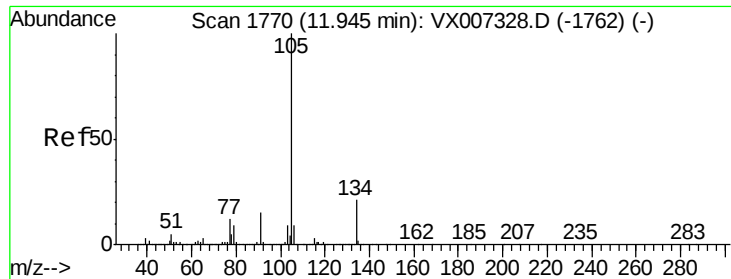
Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Tgt Ion:	105	Resp:	917958
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.1	69.3





#85

sec-Butylbenzene

Concen: 49.380 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1097455

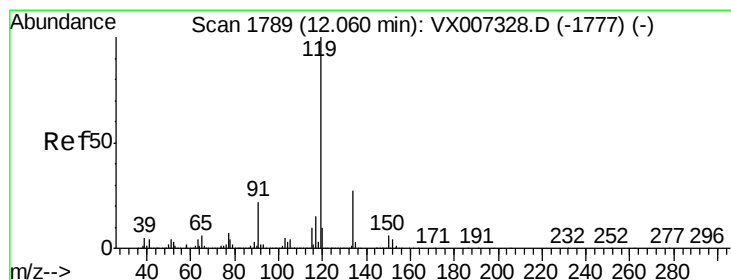
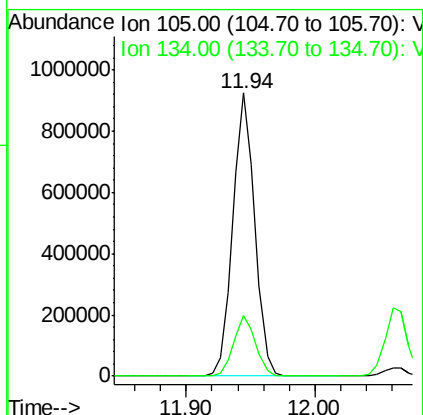
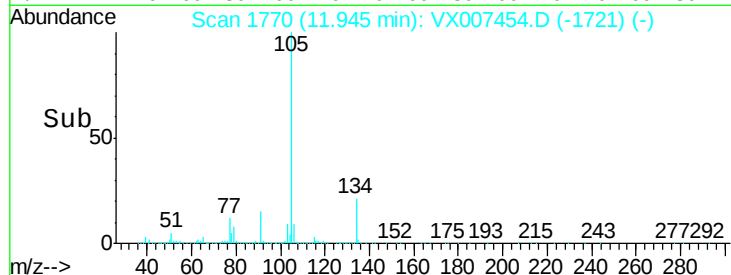
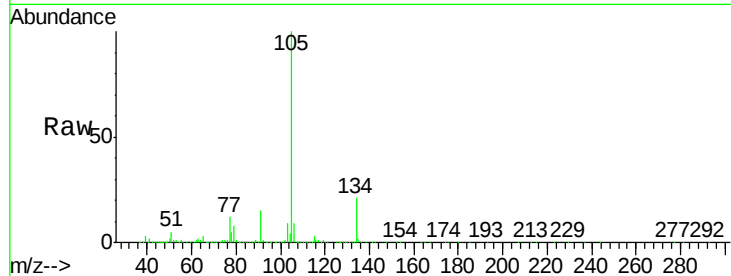
Ion Ratio Lower Upper

105 100

134 21.3 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 48.728 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

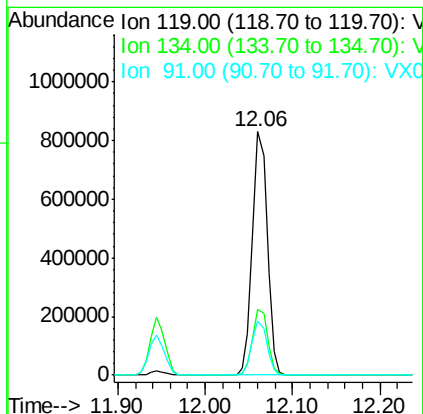
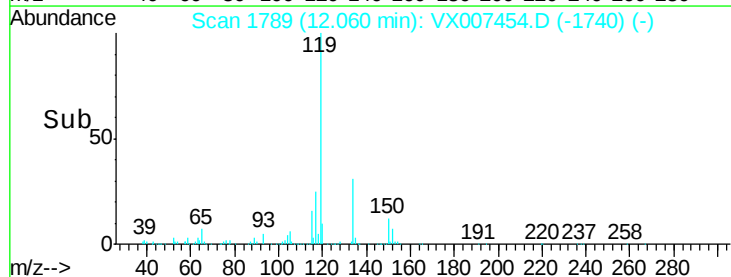
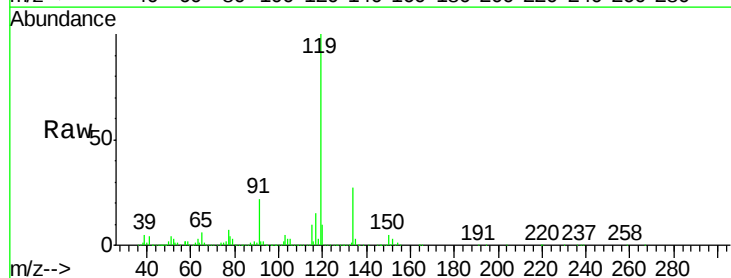
Tgt Ion:119 Resp: 977583

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

91 22.5 11.2 33.5





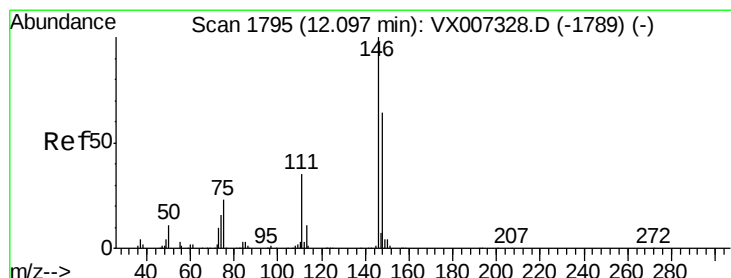
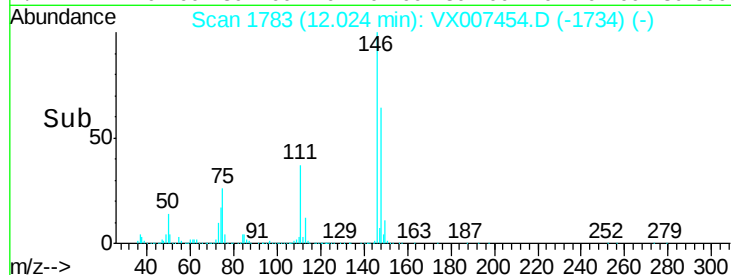
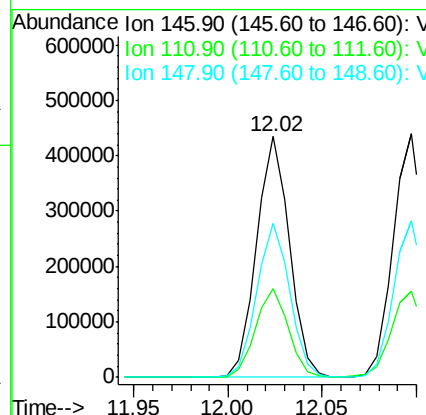
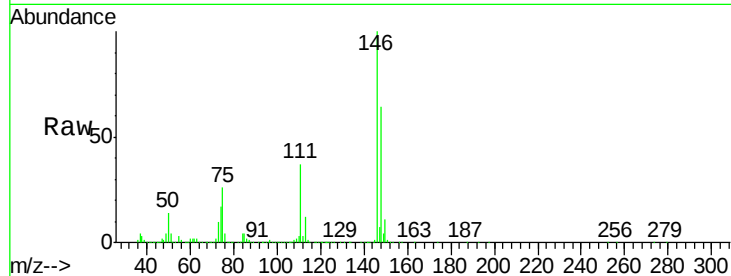
#87
 1,3-Dichlorobenzene
 Concen: 45.790 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	64.1	32.0	96.2

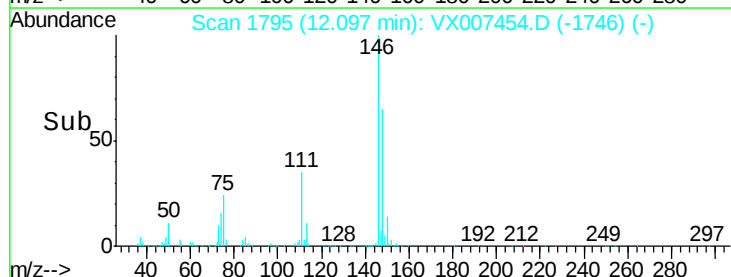
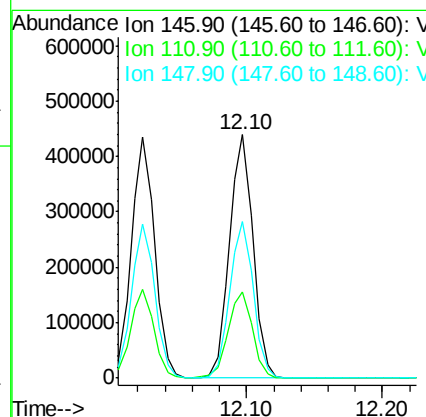
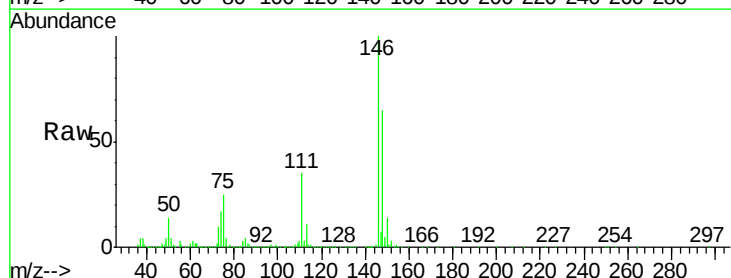
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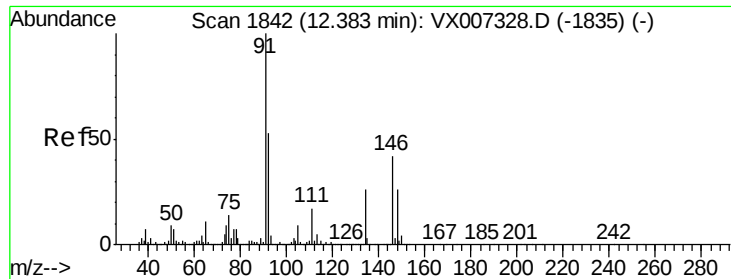
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#88
 1,4-Dichlorobenzene
 Concen: 45.244 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	64.5	32.3	96.9





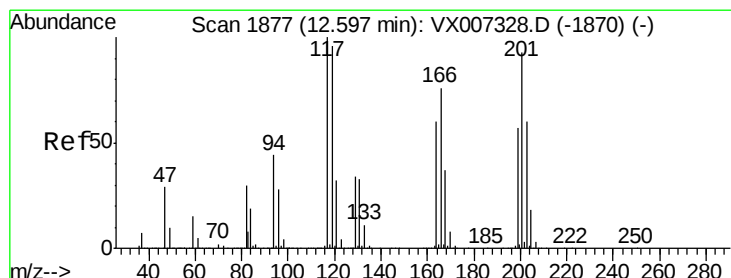
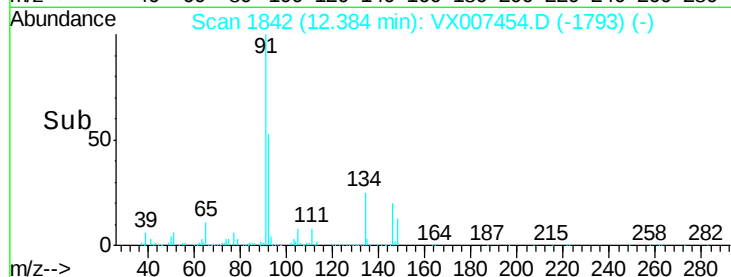
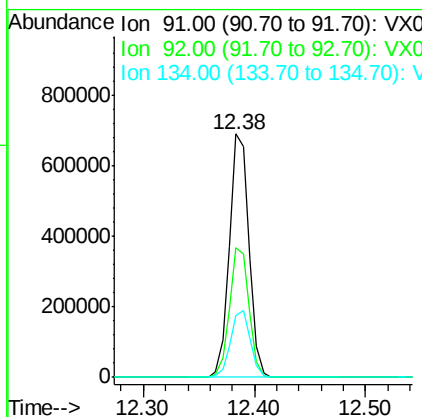
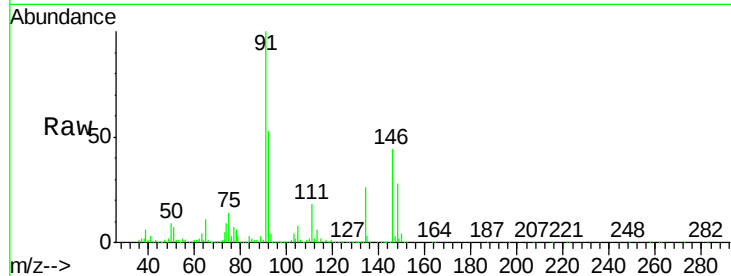
#89
n-Butylbenzene
Concen: 48.420 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.9
134	27.6	13.9	41.6

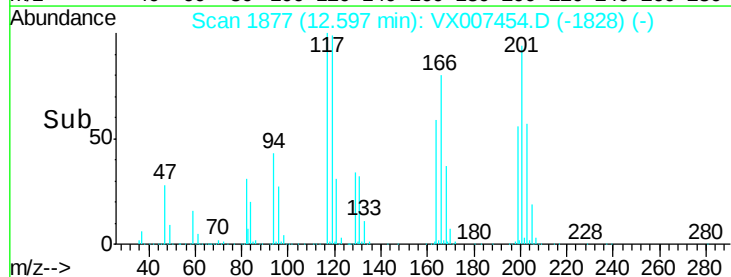
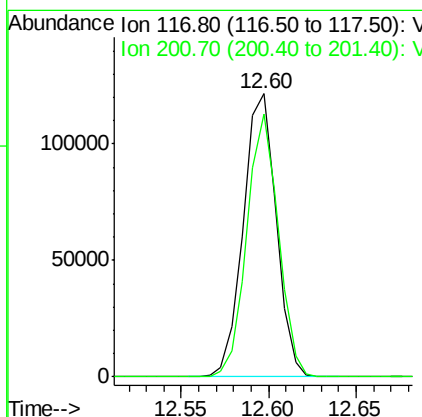
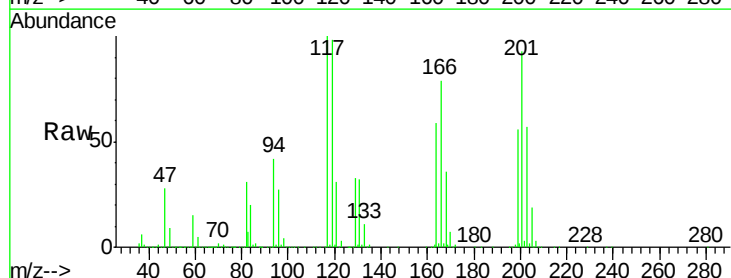
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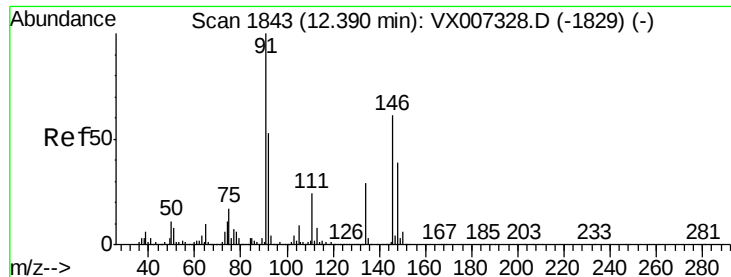
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#90
Hexachloroethane
Concen: 53.061 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007454.D
Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 45.814 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

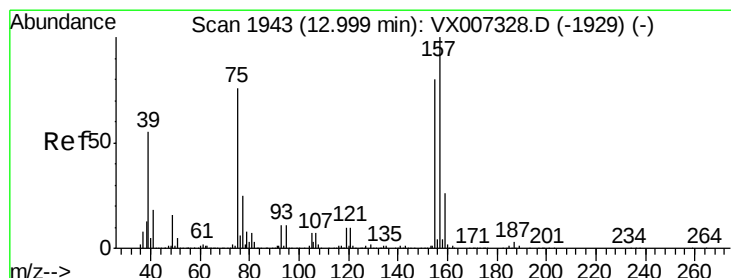
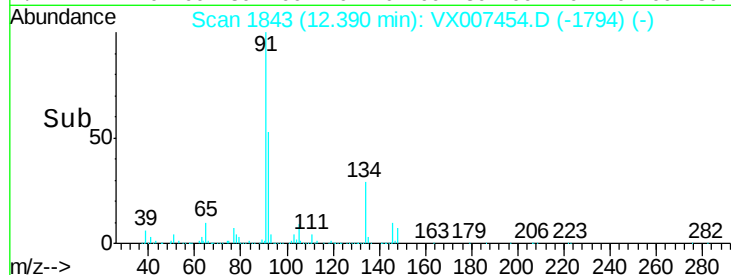
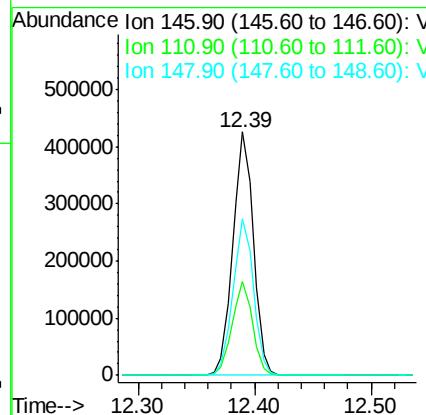
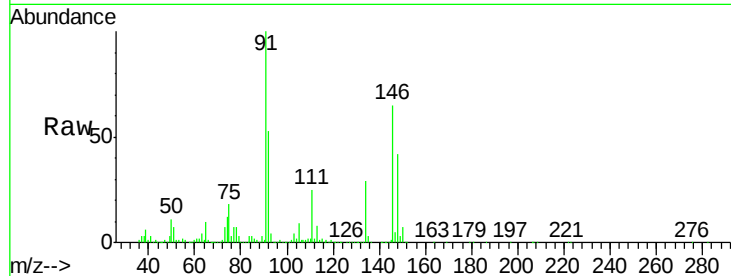
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	522658
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.3
148	64.2	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.445 ug/l

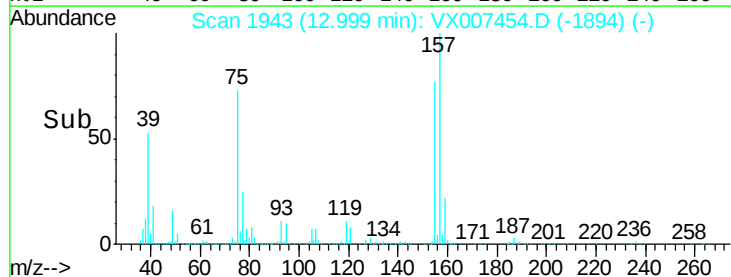
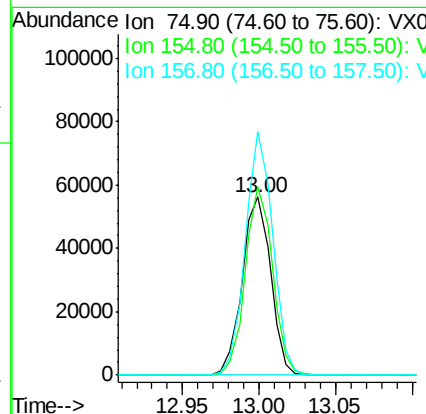
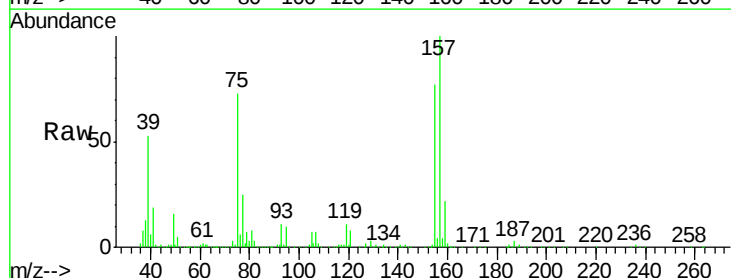
RT: 13.00 min Scan# 1943

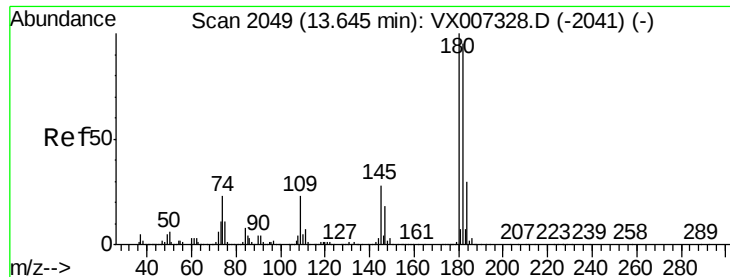
Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Tgt Ion:	75	Resp:	72469
Ion Ratio	Lower	Upper	
75	100		
155	101.9	49.6	149.0
157	132.0	65.1	195.3





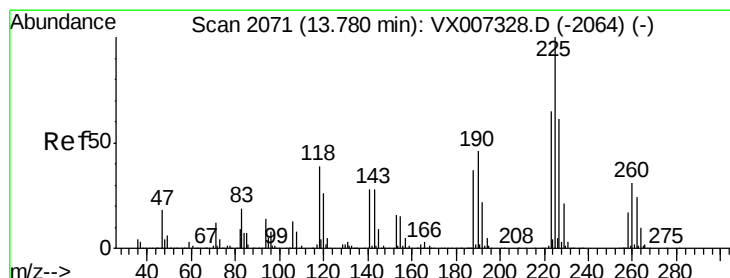
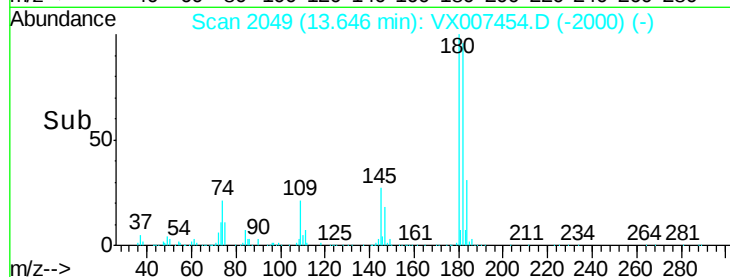
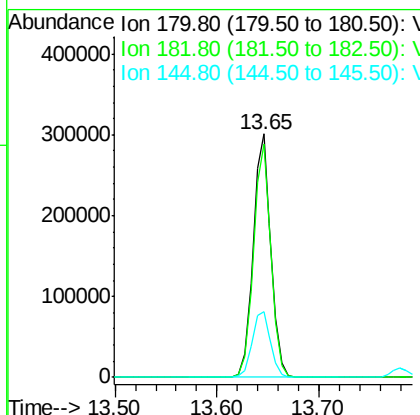
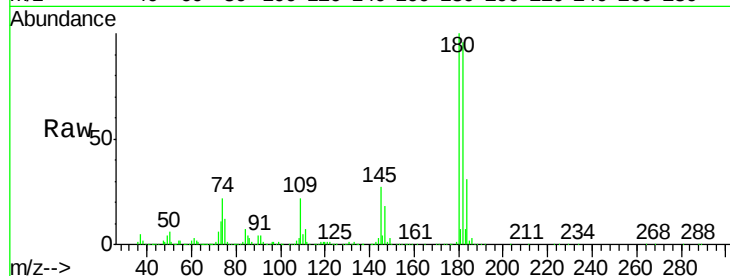
#93
 1,2,4-Trichlorobenzene
 Concen: 47.300 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	363907		
182	94.8	47.8	143.3	
145	28.3	14.1	42.2	

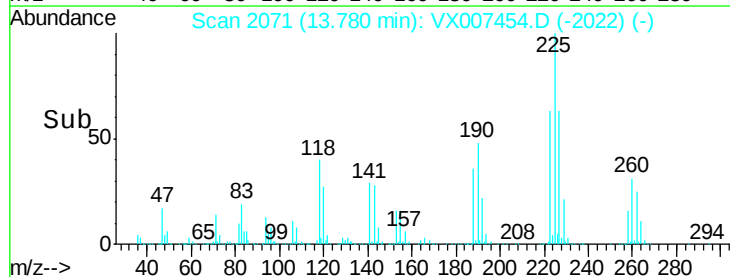
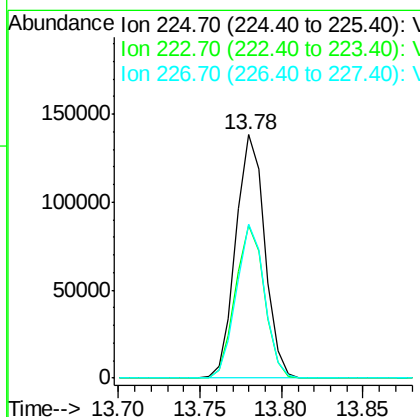
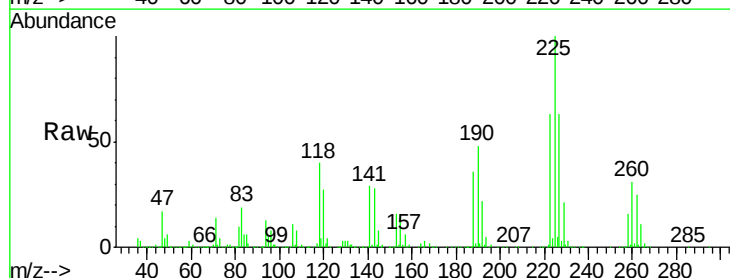
Manual Integrations
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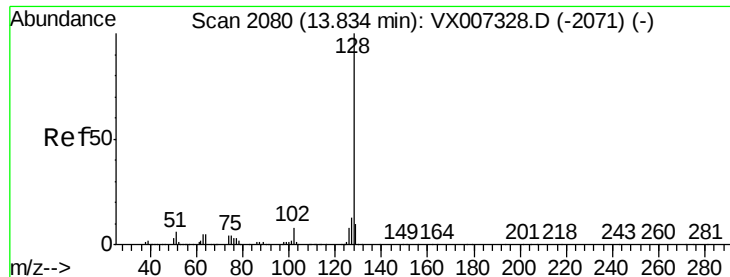
MMDadoda
 2/11/2019 9:44:17 AM



#94
 Hexachlorobutadiene
 Concen: 45.771 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007454.D
 Acq: 08 Feb 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	170990		
223	62.7	31.6	94.8	
227	61.8	32.1	96.3	





#95

Naphthalene

Concen: 49.952 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1123849

Ion Ratio Lower Upper

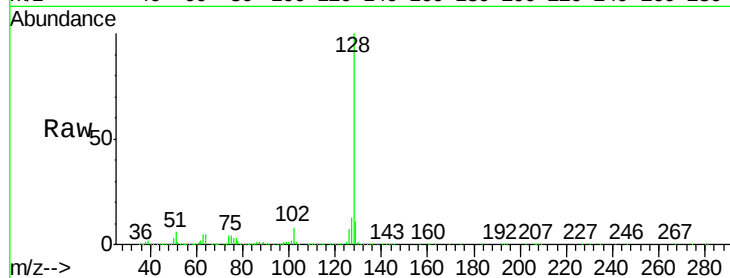
128 100

127 12.9 10.5 15.7

129 11.0 8.7 13.1

Manual Integrations
APPROVED

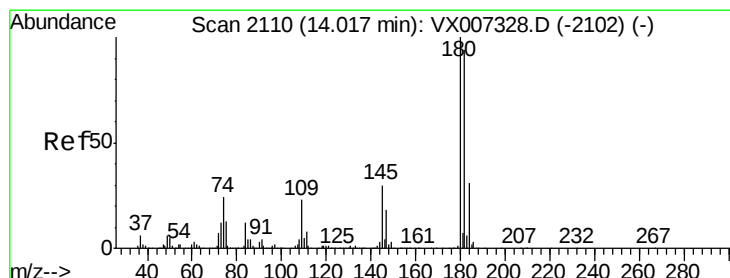
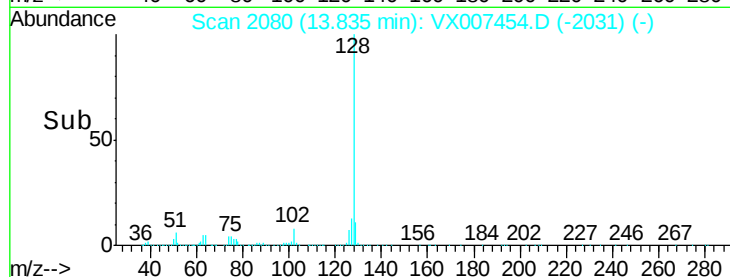
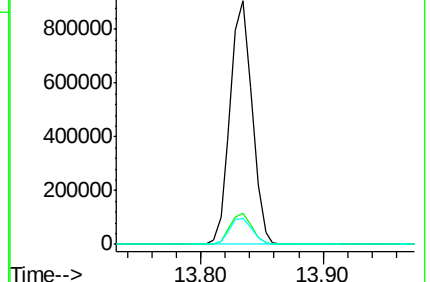
MMDadoda
2/11/2019 9:44:17 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.921 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007454.D

Acq: 08 Feb 2019 20:35

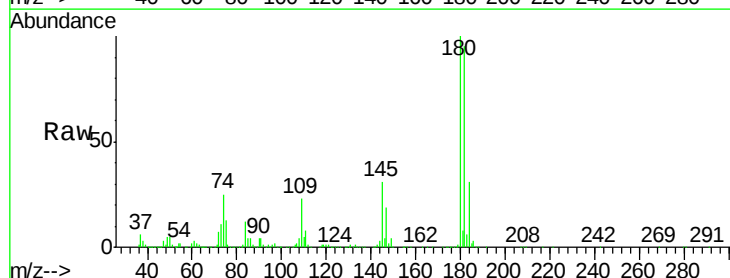
Tgt Ion:180 Resp: 355626

Ion Ratio Lower Upper

180 100

182 97.1 47.5 142.6

145 30.5 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

