

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071118\
 Data File : VX003320.D
 Acq On : 11 Jul 2018 15:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 10:59:15 AM

Quant Time: Jul 12 01:04:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	291394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	352434	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	313650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	211619	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	5.51	113	189235	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	8.72	98	657454	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.14	95	239778	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	243825	55.039	ug/l	100
3) Chloromethane	1.32	50	208389	51.738	ug/l	98
4) Vinyl Chloride	1.40	62	253559	61.333	ug/l	100
5) Bromomethane	1.64	94	72672	59.158	ug/l	95
6) Chloroethane	1.72	64	144757	63.199	ug/l	100
7) Trichlorofluoromethane	1.93	101	337643	54.944	ug/l	97
8) Diethyl Ether	2.19	74	144896	65.227	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	206619	57.424	ug/l	97
10) Methyl Iodide	2.51	142	174791	44.676	ug/l	96
11) Tert butyl alcohol	3.07	59	235433	283.176	ug/l	99
12) 1,1-Dichloroethene	2.37	96	190587	58.200	ug/l	84
13) Acrolein	2.29	56	145107	216.589	ug/l	97
14) Allyl chloride	2.73	41	367930	60.662	ug/l #	86
15) Acrylonitrile	3.15	53	586151	315.732	ug/l	94
16) Acetone	2.45	43	437565	268.757	ug/l #	88
17) Carbon Disulfide	2.57	76	540883	59.440	ug/l	98
18) Methyl Acetate	2.78	43	303518	66.083	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	607986	55.587	ug/l	96
20) Methylene Chloride	2.86	84	208594	62.701	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	208425	59.710	ug/l	85
22) Diisopropyl ether	3.87	45	646572	52.398	ug/l	98
23) Vinyl Acetate	3.82	43	2792410	266.542	ug/l	100
24) 1,1-Dichloroethane	3.70	63	366815	57.114	ug/l	100
25) 2-Butanone	4.71	43	670770	232.833	ug/l	93
26) 2,2-Dichloropropane	4.59	77	262797	46.781	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	208564	48.617	ug/l	91
28) Bromochloromethane	5.02	49	166773	51.538	ug/l	93
29) Tetrahydrofuran	5.17	42	431696	230.871	ug/l	92
30) Chloroform	5.21	83	337064	47.710	ug/l	98
31) Cyclohexane	5.57	56	299771	49.844	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	291202	46.723	ug/l	99
36) 1,1-Dichloropropene	5.80	75	253509	50.813	ug/l	96
37) Ethyl Acetate	4.87	43	262175	47.934	ug/l	98
38) Carbon Tetrachloride	5.78	117	260900	47.805	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	286852	48.804	ug/l	95
40) Benzene	6.15	78	734537	49.682	ug/l	99
41) Methacrylonitrile	5.07	41	147599	49.292	ug/l	94
42) 1,2-Dichloroethane	6.20	62	261882	47.409	ug/l	98
43) Isopropyl Acetate	6.47	43	381621	44.433	ug/l	96
44) Trichloroethene	7.21	130	197665	45.211	ug/l	98
45) 1,2-Dichloropropane	7.52	63	181528	47.225	ug/l	99
46) Dibromomethane	7.67	93	116560	44.488	ug/l	99
47) Bromodichloromethane	7.90	83	223054	46.139	ug/l	97
48) Methyl methacrylate	7.78	41	201299	45.698	ug/l	89
49) 1,4-Dioxane	7.76	88	86152	935.386	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1273809	238.227	ug/l	93
52) Toluene	8.79	92	450465	48.197	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	273286	48.043	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	256918	49.626	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	178929	46.148	ug/l	99
56) Ethyl methacrylate	9.18	69	265546	50.003	ug/l #	87
57) 1,3-Dichloropropane	9.37	76	292212	46.788	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	733954	286.505	ug/l	99
59) 2-Hexanone	9.50	43	1018968	250.897	ug/l	92
60) Dibromochloromethane	9.59	129	181397	44.807	ug/l	100
61) 1,2-Dibromoethane	9.68	107	184168	45.323	ug/l	99
64) Tetrachloroethene	9.34	164	228252	48.139	ug/l	91
65) Chlorobenzene	10.14	112	493624	46.317	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	176918	46.010	ug/l	99
67) Ethyl Benzene	10.26	91	861436	49.982	ug/l	99
68) m/p-Xylenes	10.36	106	668294	99.676	ug/l	98
69) o-Xylene	10.70	106	319081	49.124	ug/l	98
70) Styrene	10.71	104	529101	50.235	ug/l	98
71) Bromoform	10.86	173	140976	44.560	ug/l	97
73) Isopropylbenzene	11.02	105	865830	49.548	ug/l	100
74) N-amyl acetate	6.47	43	381621	45.779	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	259871	47.946	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	271808m	56.825	ug/l	
77) Bromobenzene	11.26	156	229152	45.420	ug/l	99
78) n-propylbenzene	11.36	91	1012199	52.098	ug/l	100
79) 2-Chlorotoluene	11.42	91	585137	49.435	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	724822	49.813	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	76532	52.293	ug/l	92
82) 4-Chlorotoluene	11.51	91	693349	50.170	ug/l	100
83) tert-Butylbenzene	11.77	119	706468	48.606	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	744118	49.939	ug/l	98
85) sec-Butylbenzene	11.95	105	881053	51.286	ug/l	100
86) p-Isopropyltoluene	12.07	119	795216	50.806	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	427753	46.219	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	433218	46.236	ug/l	99
89) n-Butylbenzene	12.39	91	709652	54.267	ug/l	99
90) Hexachloroethane	12.60	117	114422	47.882	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	430073	46.277	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	56476	48.566	ug/l	97

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VSTDCCC050

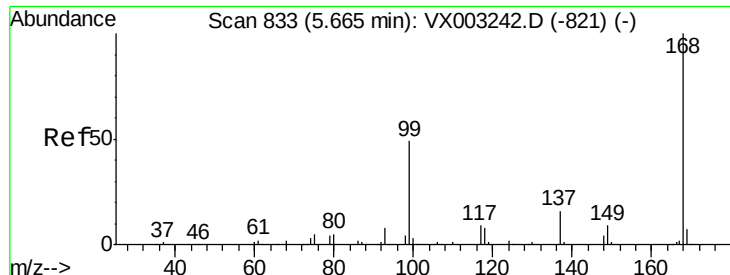
Manual Integrations
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QLast Update : Mon Jul 09 15:24:16 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	310247	45.871	ug/l	100
94) Hexachlorobutadiene	13.79	225	146194	43.418	ug/l	99
95) Naphthalene	13.84	128	887725	50.166	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	312961	46.396	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 291394

Ion Ratio Lower Upper

168 100

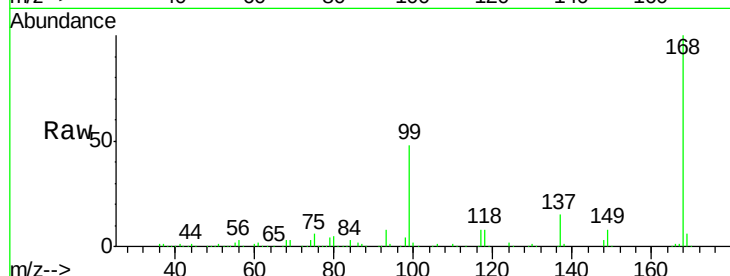
99 48.2 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

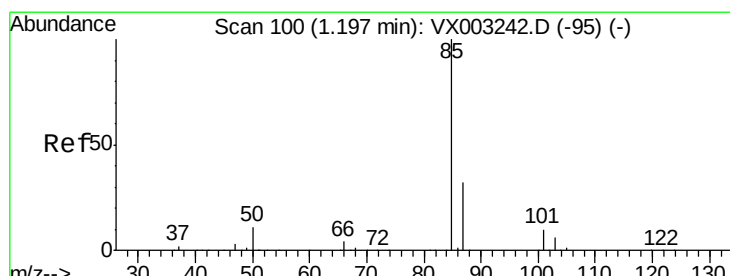
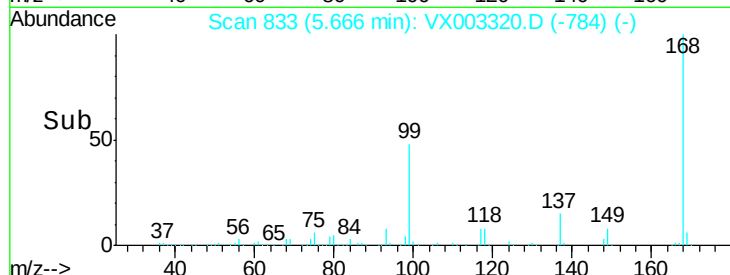
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 55.039 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003320.D

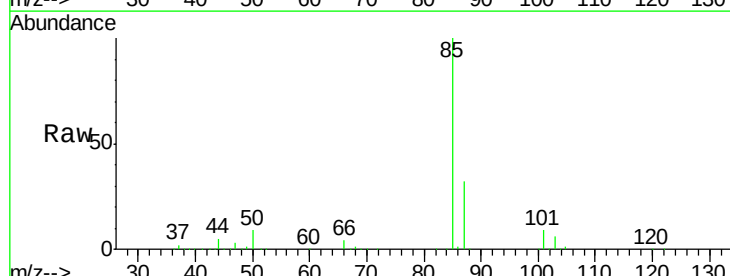
Acq: 11 Jul 2018 15:02

Tgt Ion: 85 Resp: 243825

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

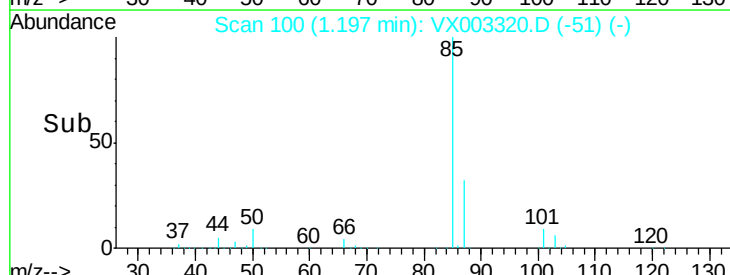
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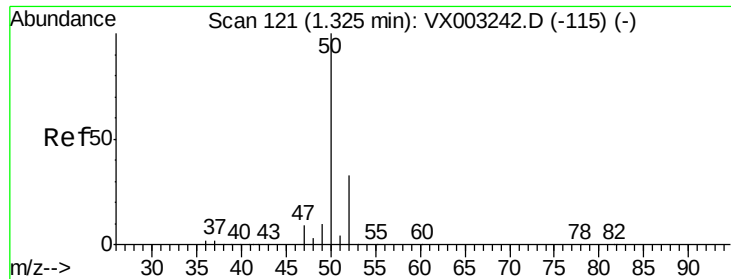
50000

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1.15 1.20 1.25 1.30

Time-->





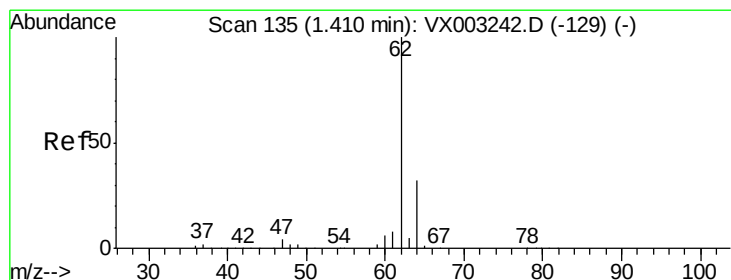
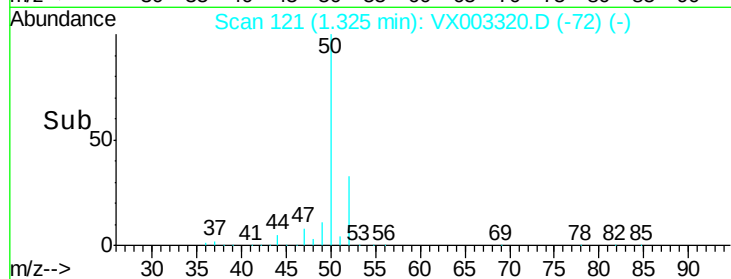
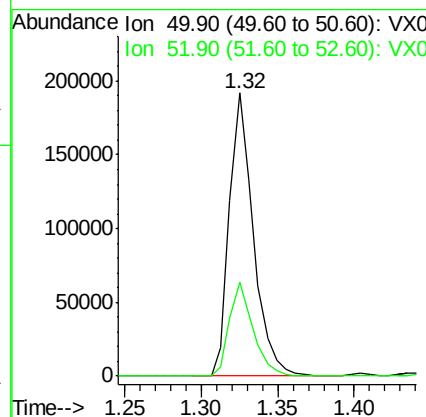
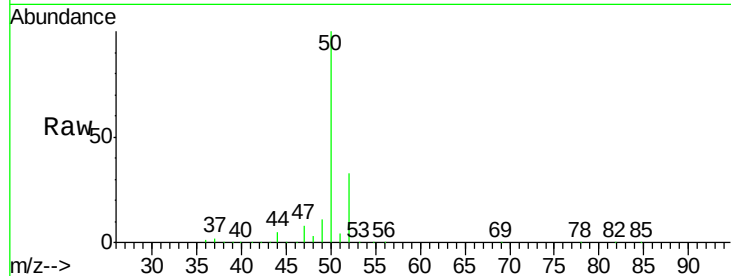
#3
Chloromethane
Concen: 51.738 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.7	38.5

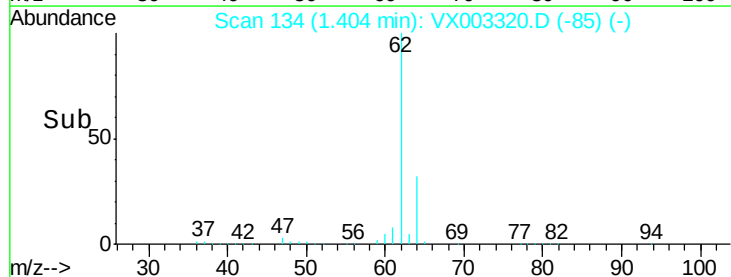
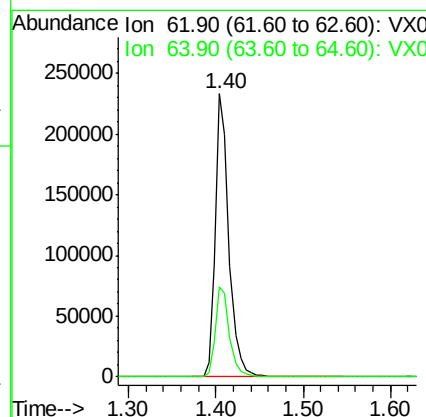
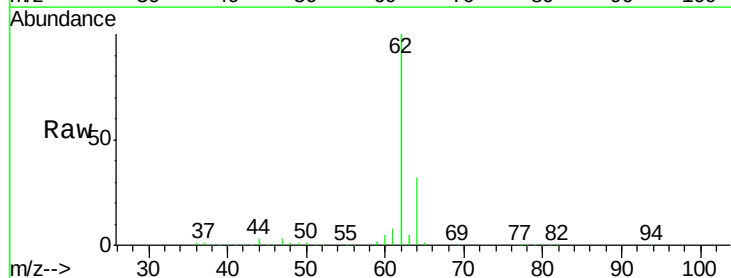
Manual Integrations
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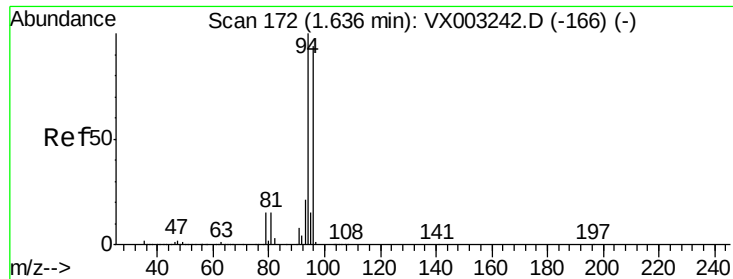
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#4
Vinyl Chloride
Concen: 61.333 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.4	38.2





#5

Bromomethane

Concen: 59.158 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 72672

Ion Ratio Lower Upper

94 100

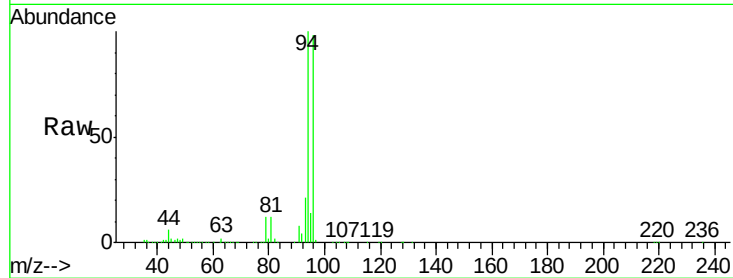
96 98.6 74.9 112.3

Manual Integrations

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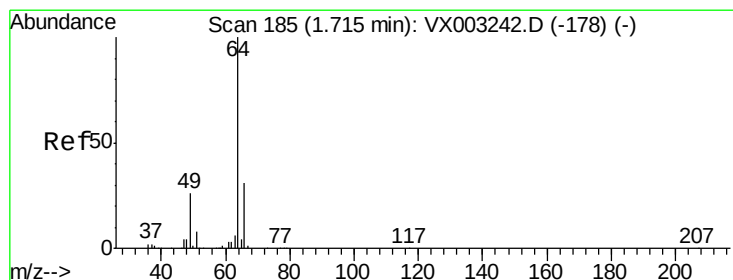
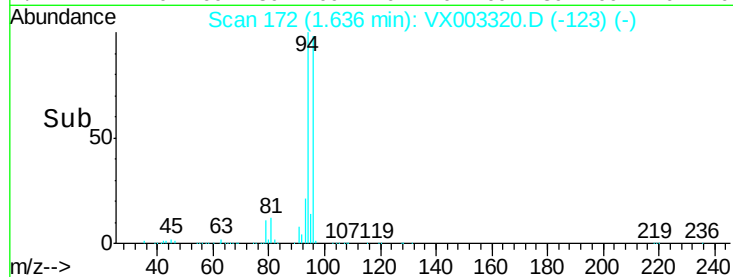
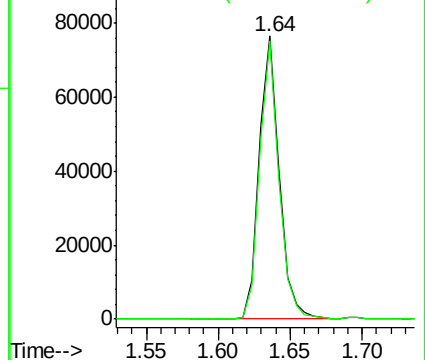
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 63.199 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.01 min

Lab File: VX003320.D

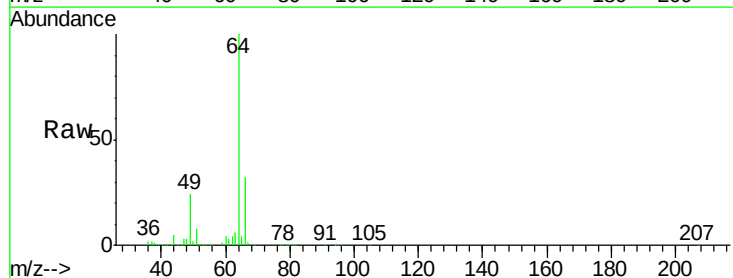
Acq: 11 Jul 2018 15:02

Tgt Ion: 64 Resp: 144757

Ion Ratio Lower Upper

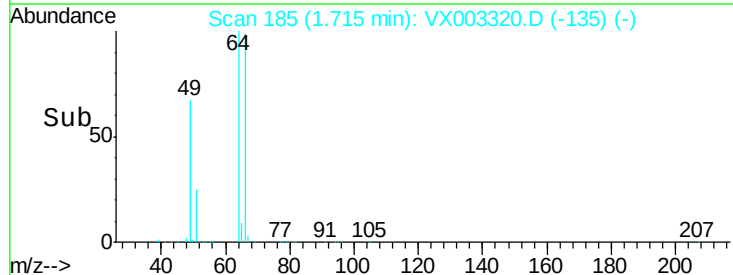
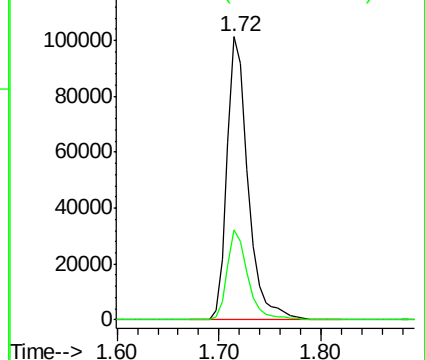
64 100

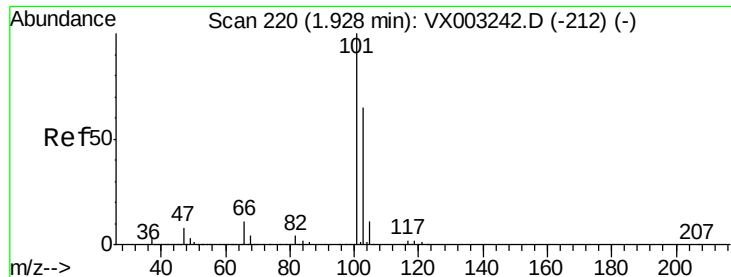
66 31.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

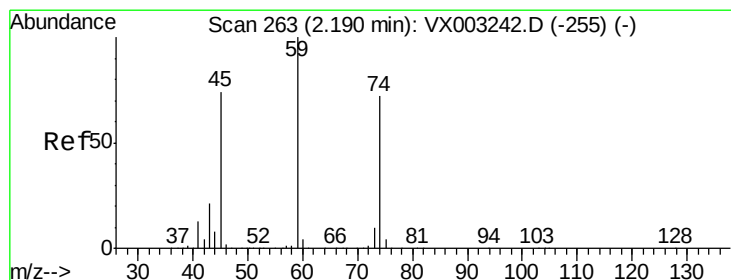
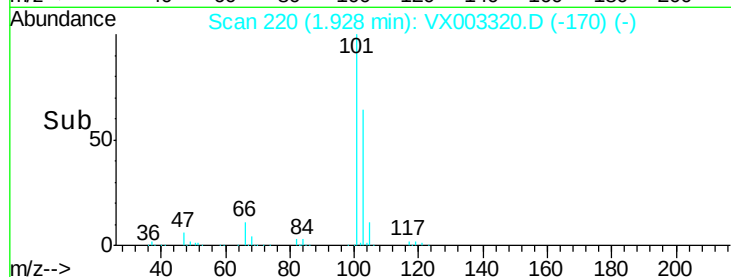
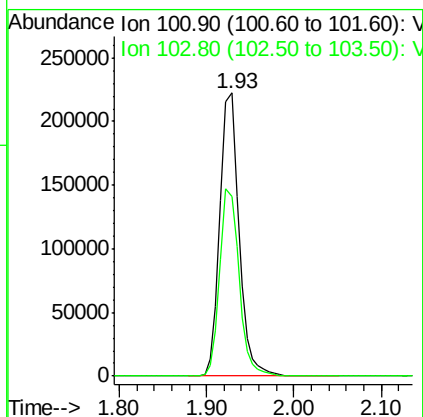
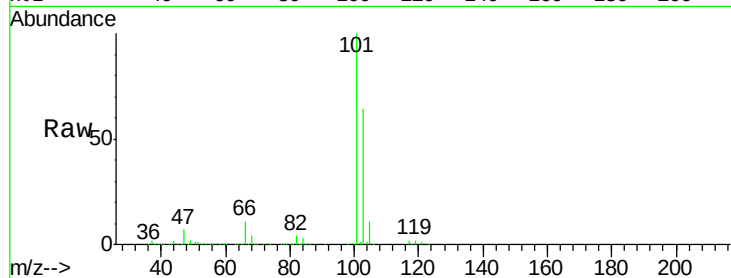
Trichlorofluoromethane
Concen: 54.944 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.8	79.2

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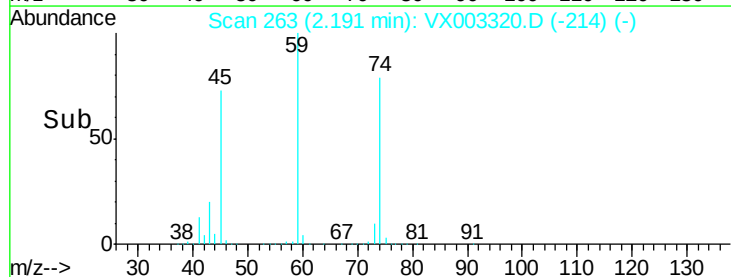
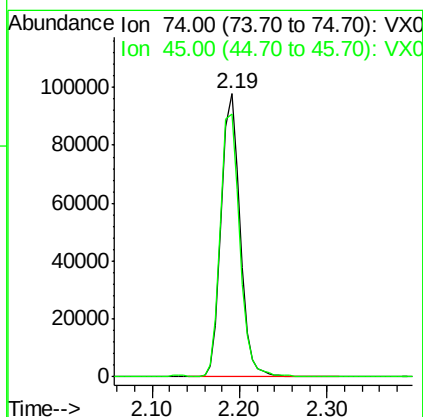
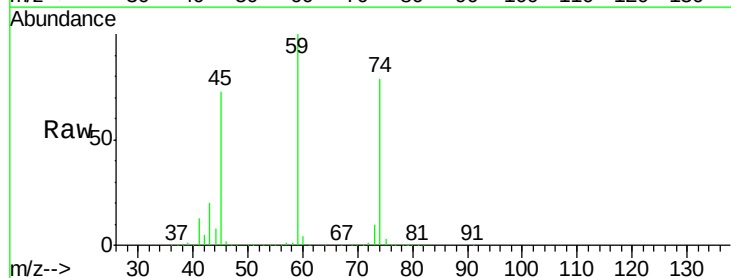
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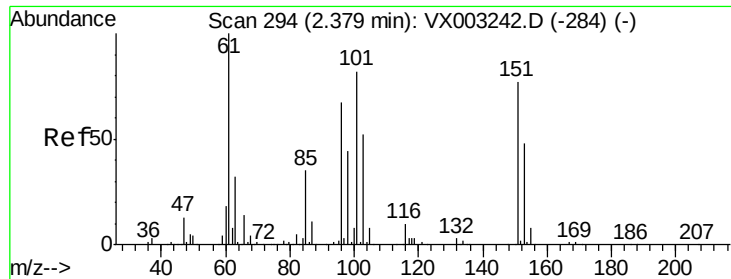


#8

Diethyl Ether
Concen: 65.227 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.424 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

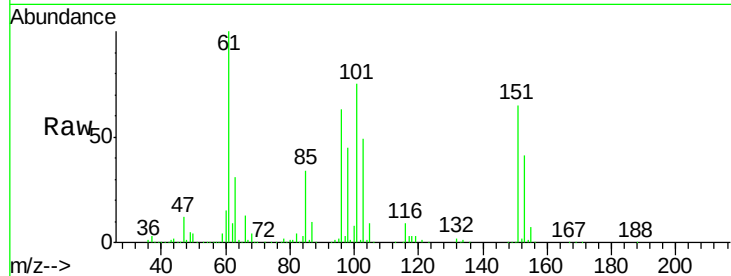
ClientSampled :

VSTDCCC050

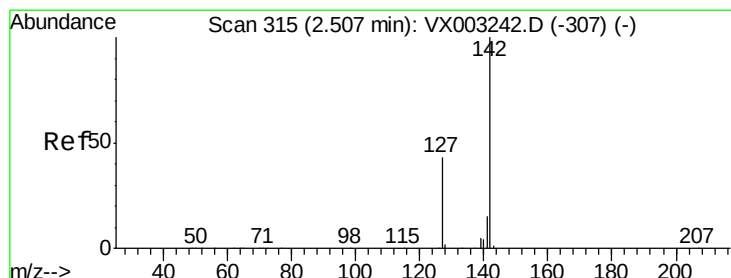
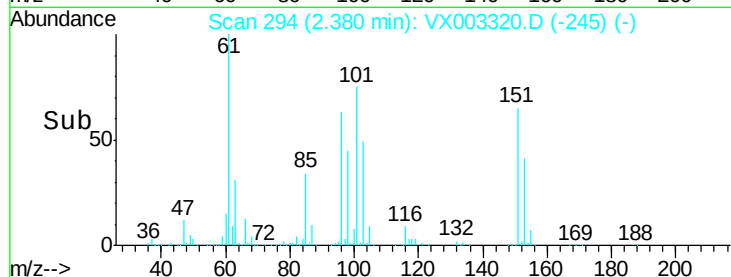
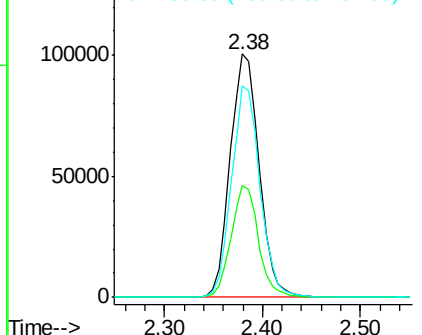
Tot Ion:	101	Resp:	206619
Ion Ratio	Lower	Upper	
101	100		
85	43.5	36.0	54.0
151	85.4	70.9	106.3

Manual Integrations
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7/12/2018 10:59:15 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.676 ug/l

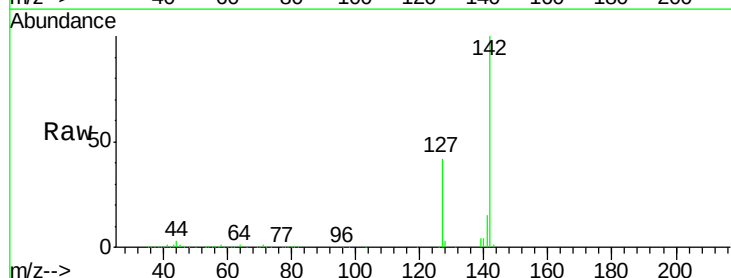
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

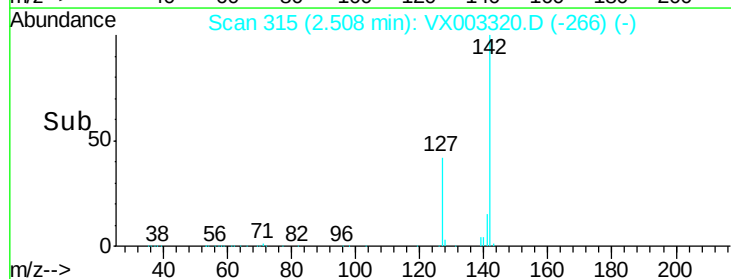
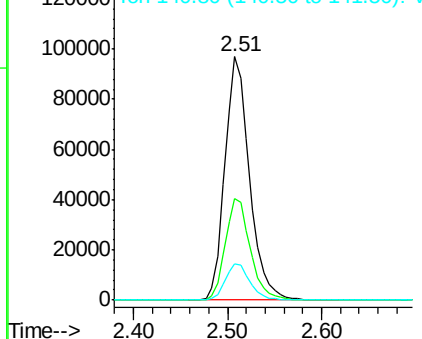
Lab File: VX003320.D

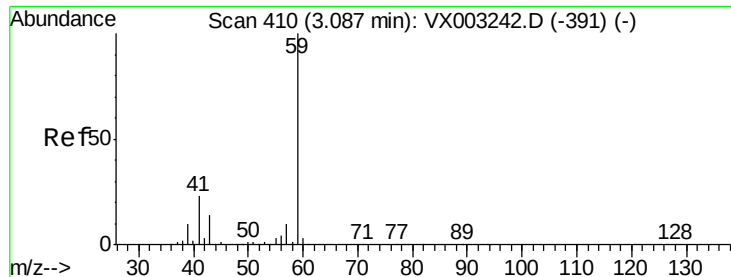
Acq: 11 Jul 2018 15:02

Tgt Ion:	142	Resp:	174791
Ion Ratio	Lower	Upper	
142	100		
127	42.4	36.6	55.0
141	15.1	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

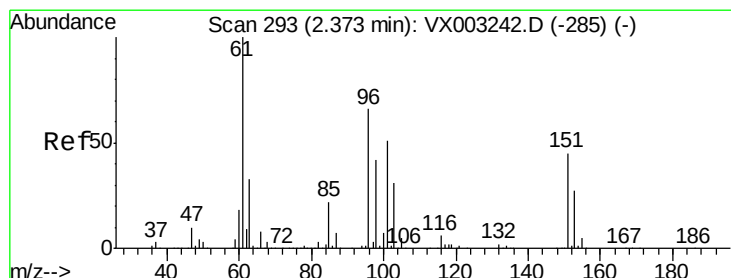
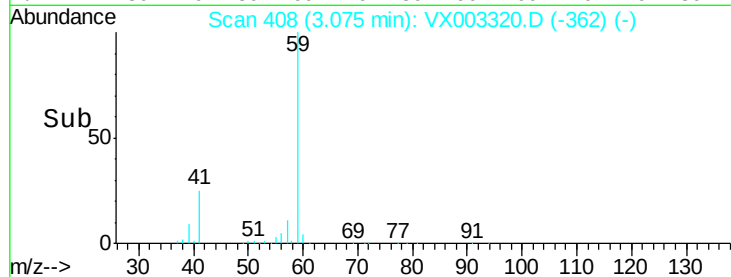
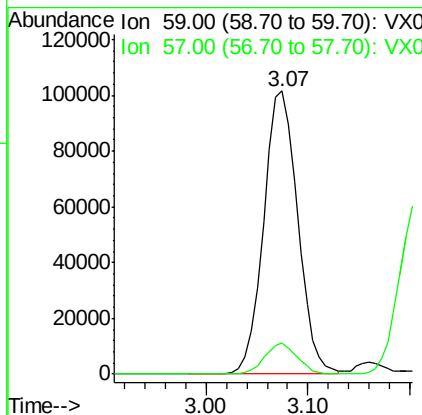
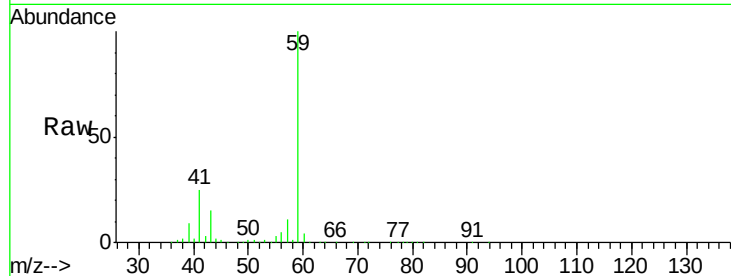
Tert butyl alcohol
Concen: 283.176 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.02 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

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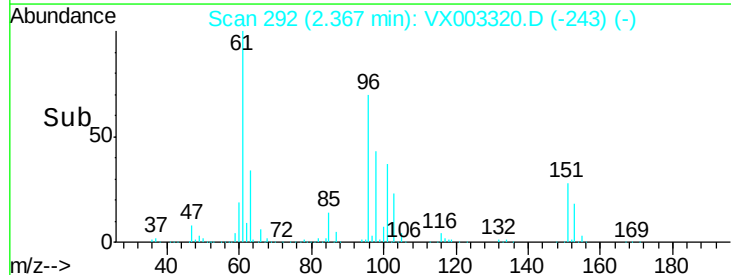
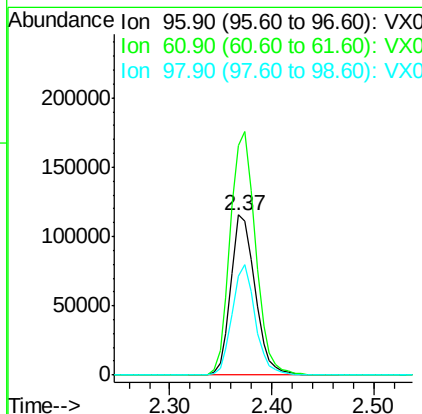
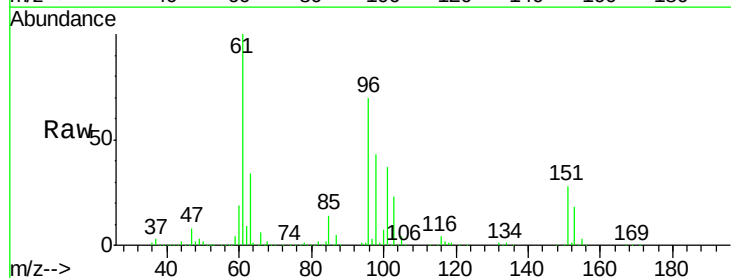
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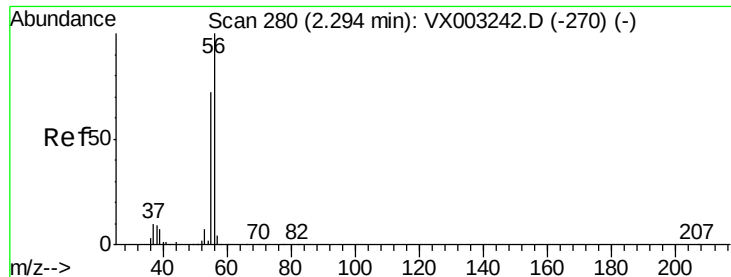


#12

1,1-Dichloroethene
Concen: 58.200 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.5	137.9	206.9
98	61.6	51.6	77.4





#13

Acrolein

Concen: 216.589 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 145107

Ion Ratio Lower Upper

56 100

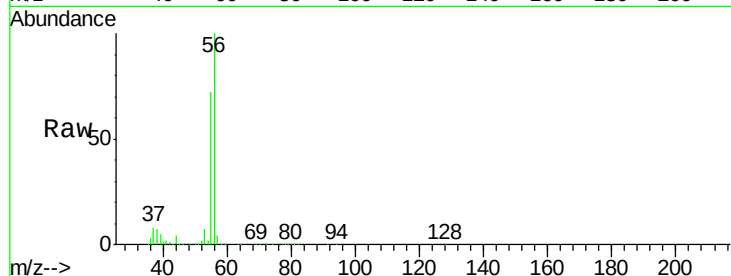
55 73.6 57.0 85.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

100000

80000

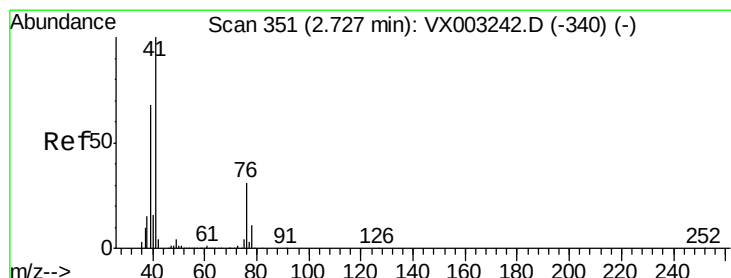
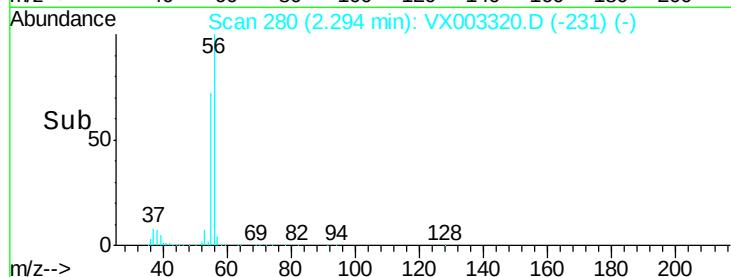
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 60.662 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

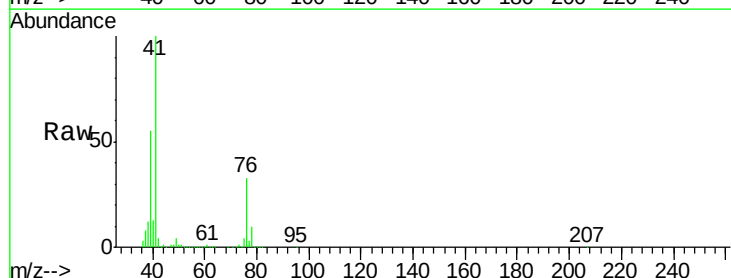
Tgt Ion: 41 Resp: 367930

Ion Ratio Lower Upper

41 100

39 56.6 56.8 85.2#

76 32.7 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

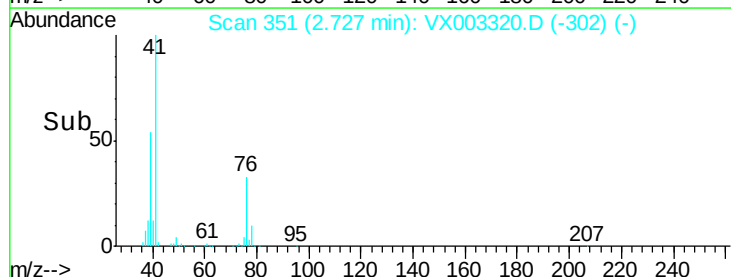
300000

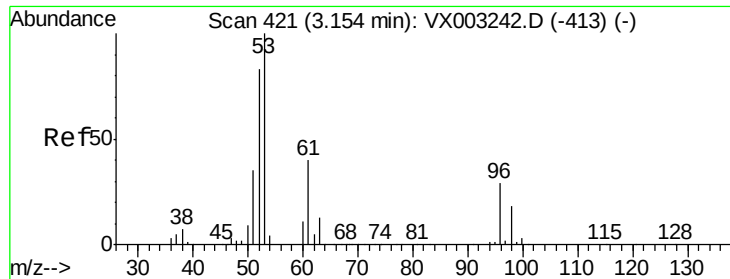
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 315.732 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

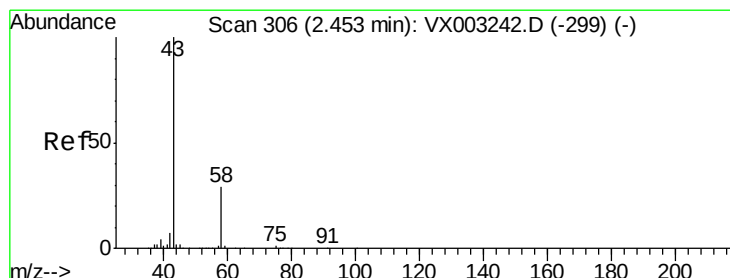
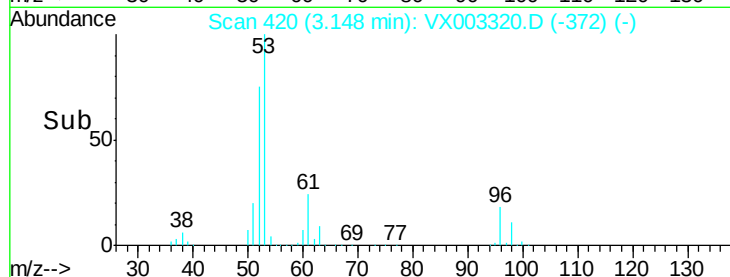
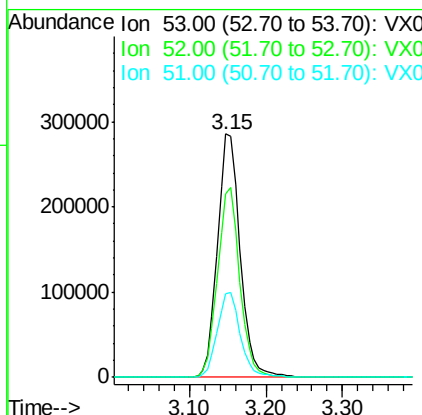
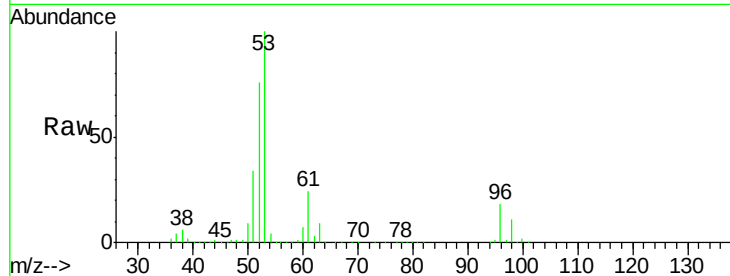
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	586151
Ion Ratio		Lower	Upper
53	100		
52	76.6	66.7	100.1
51	35.4	29.9	44.9

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#16

Acetone

Concen: 268.757 ug/l

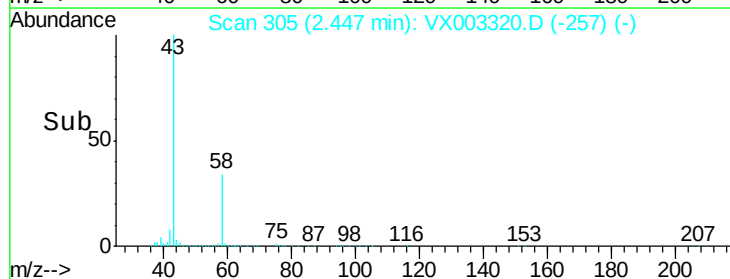
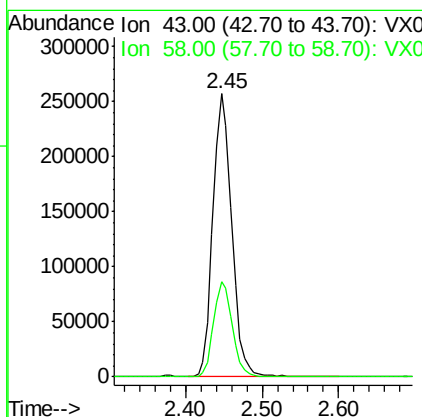
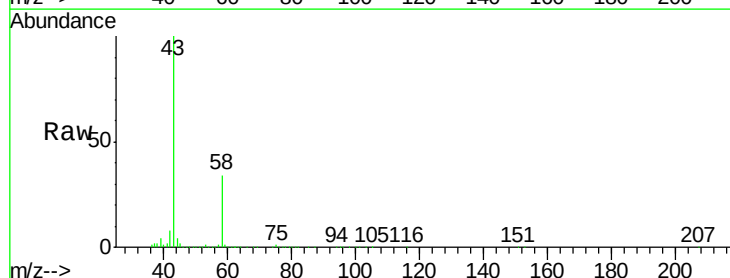
RT: 2.45 min Scan# 305

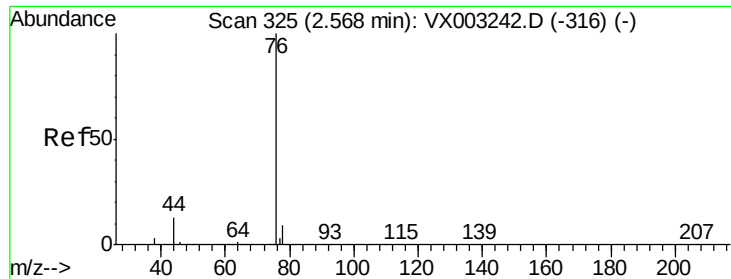
Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion:	43	Resp:	437565
Ion Ratio		Lower	Upper
43	100		
58	33.9	22.1	33.1#





#17

Carbon Disulfide

Concen: 59.440 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 540883

Ion Ratio Lower Upper

76 100

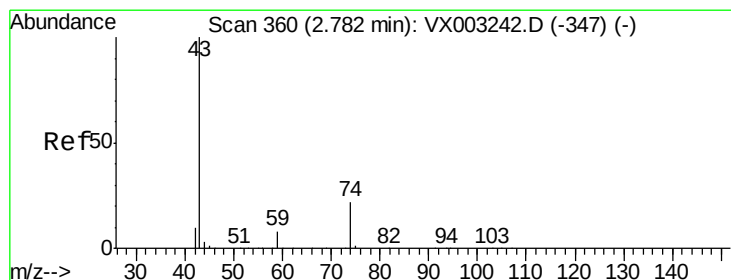
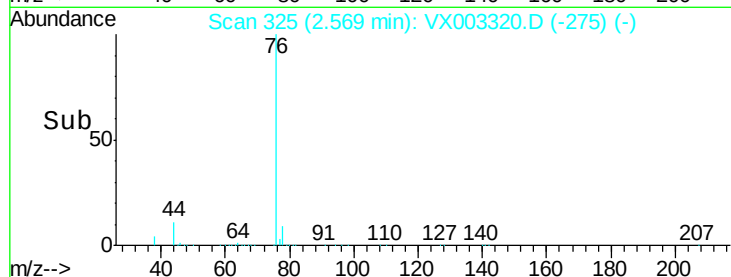
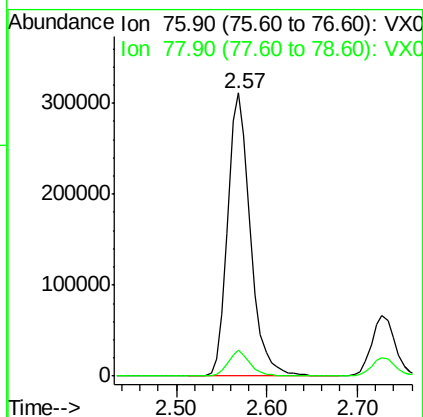
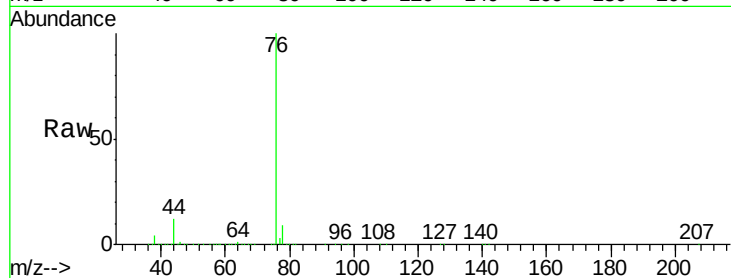
78 9.2 6.9 10.3

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#18

Methyl Acetate

Concen: 66.083 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003320.D

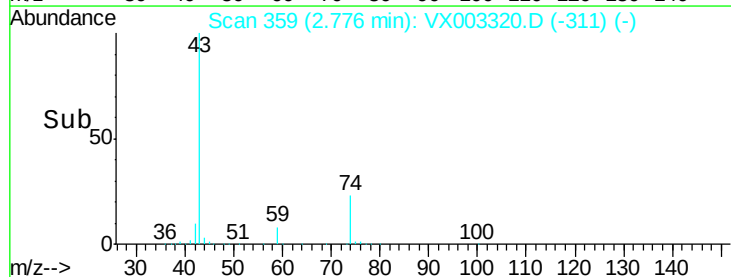
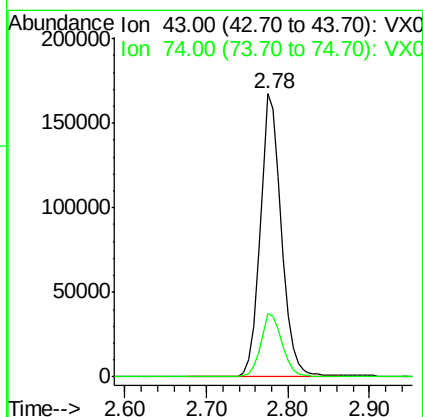
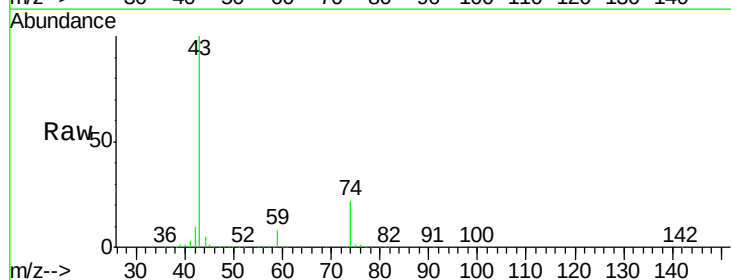
Acq: 11 Jul 2018 15:02

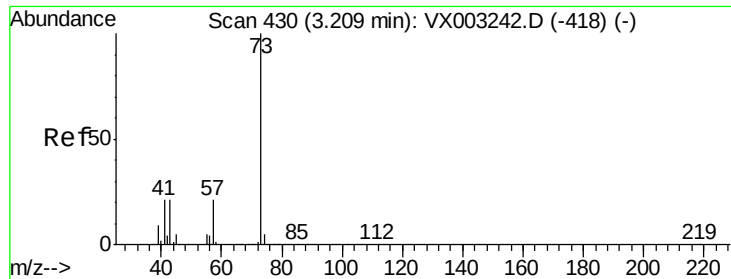
Tgt Ion: 43 Resp: 303518

Ion Ratio Lower Upper

43 100

74 23.1 16.7 25.1





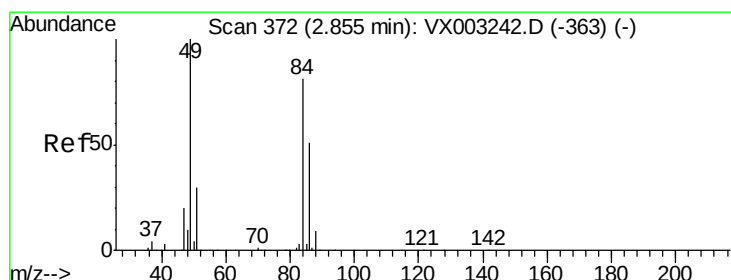
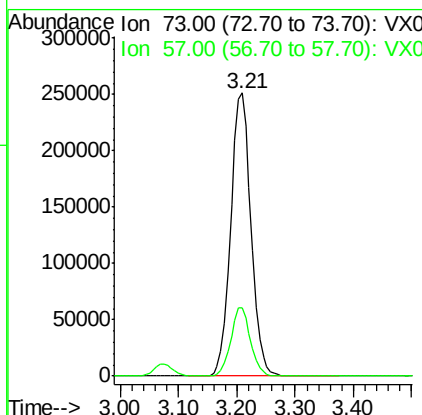
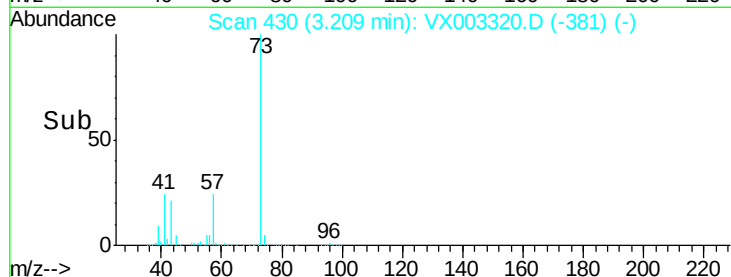
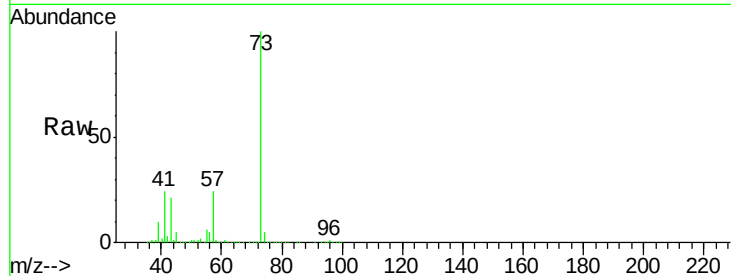
#19
Methyl tert-butyl Ether
Concen: 55.587 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	17.7	26.5

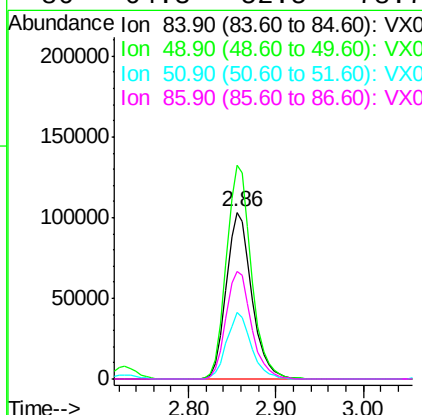
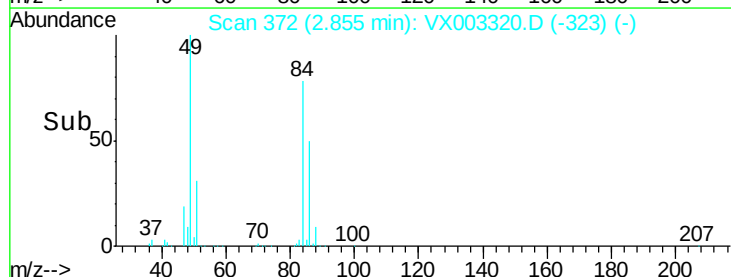
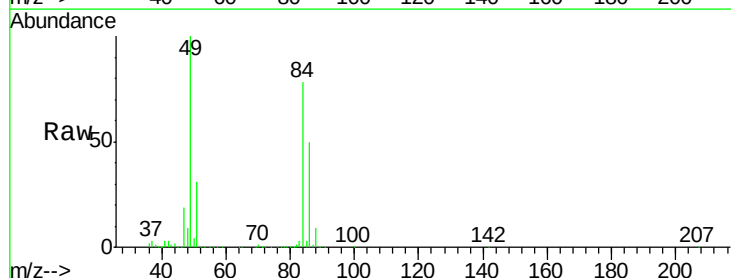
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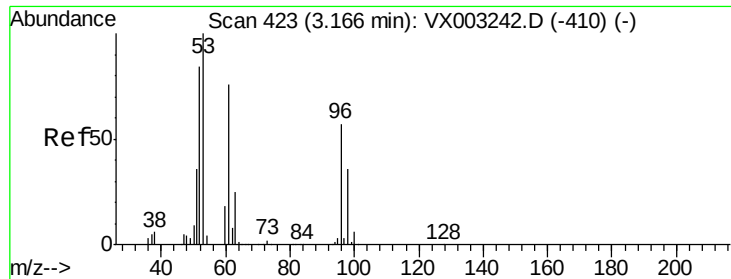
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#20
Methylene Chloride
Concen: 62.701 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.1	107.8	161.6
51	39.8	32.8	49.2
86	64.3	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 59.710 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

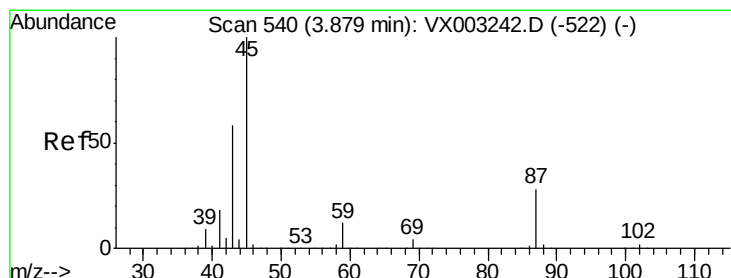
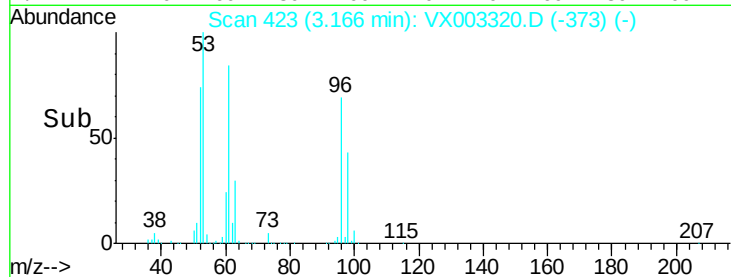
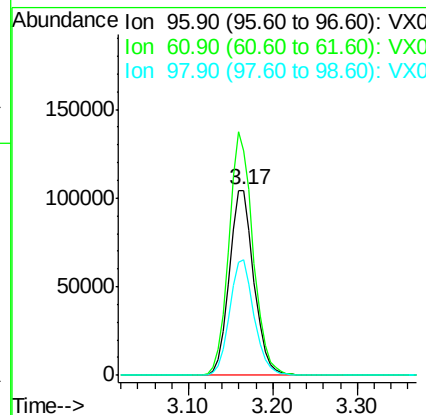
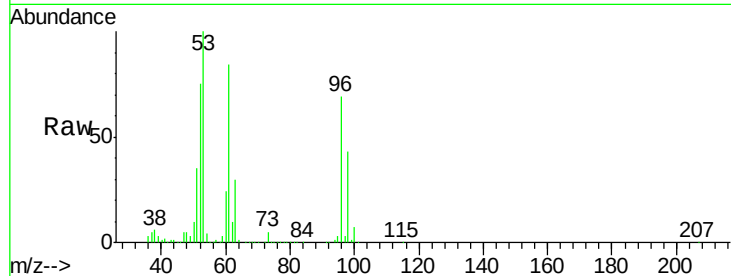
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	208425
Ion Ratio	Lower	Upper	
96	100		
61	121.4	117.0	175.4
98	62.6	52.4	78.6

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#22

Diisopropyl ether

Concen: 52.398 ug/l

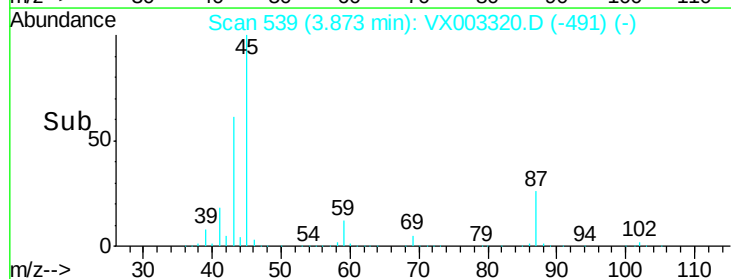
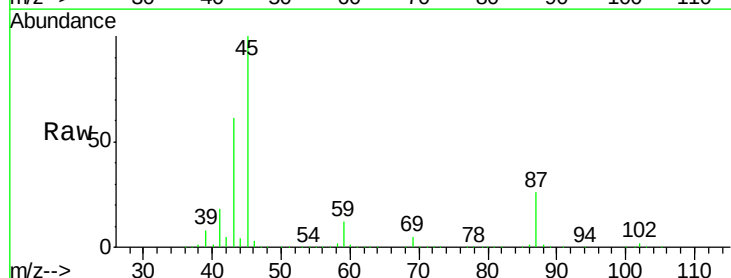
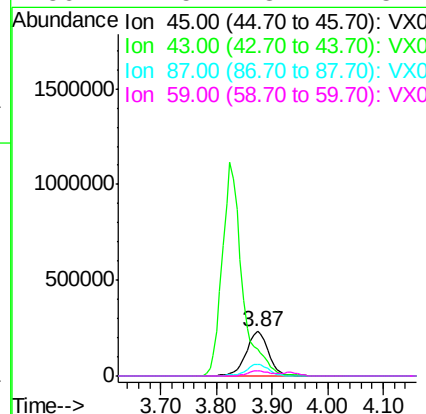
RT: 3.87 min Scan# 539

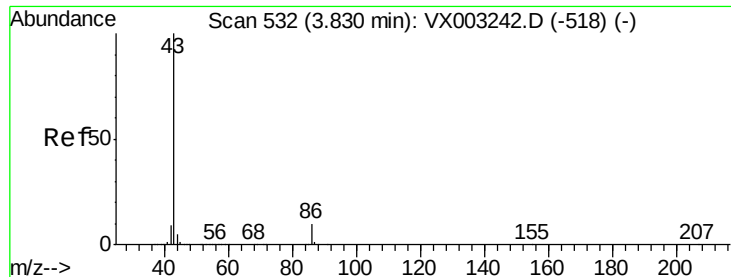
Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion:	45	Resp:	646572
Ion Ratio	Lower	Upper	
45	100		
43	60.5	46.8	70.2
87	26.1	20.2	30.4
59	11.5	8.7	13.1





#23

Vinyl Acetate

Concen: 266.542 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2792410

Ion Ratio Lower Upper

43 100

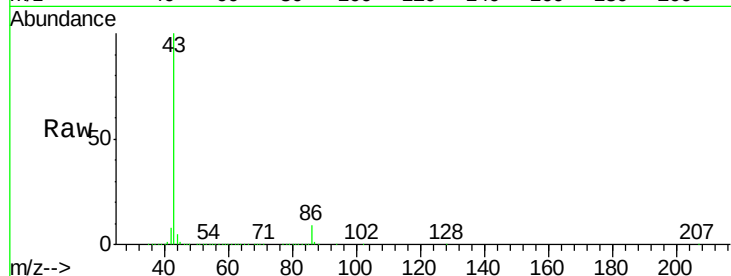
86 9.2 7.4 11.0

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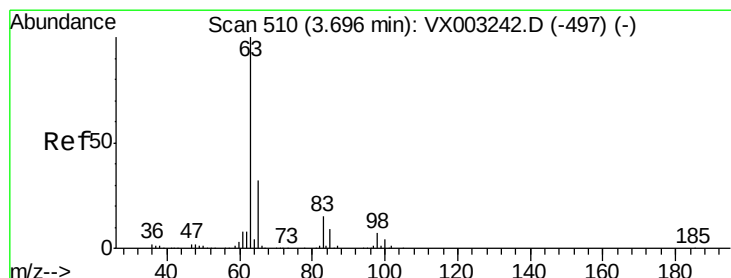
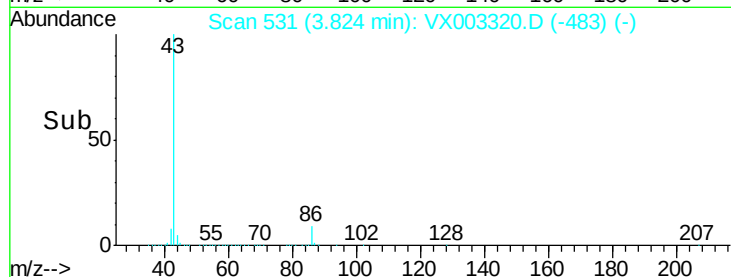
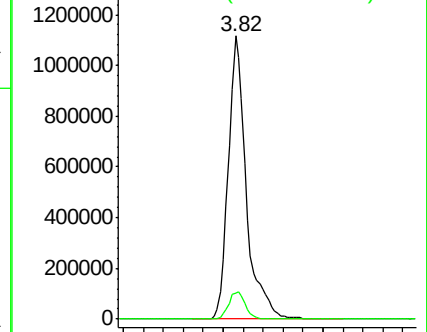
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 57.114 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

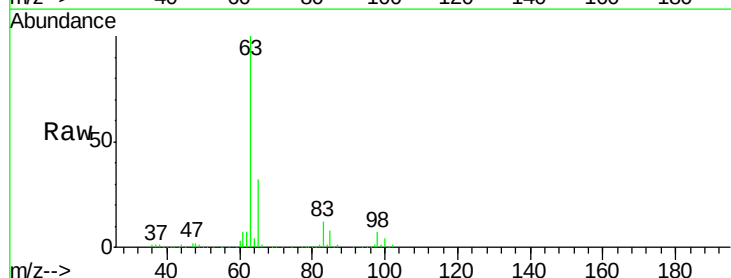
Tgt Ion: 63 Resp: 366815

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

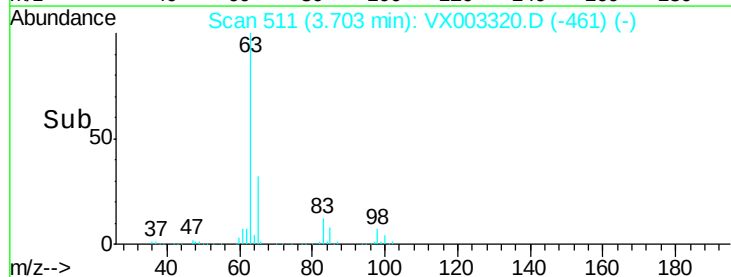
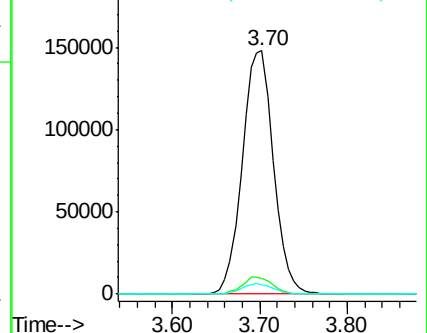
100 3.9 2.0 6.0

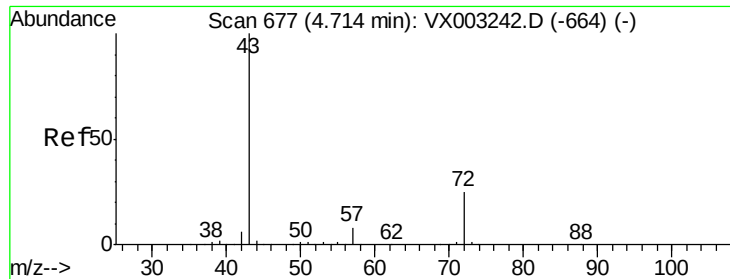


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 232.833 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 670770

Ion Ratio Lower Upper

43 100

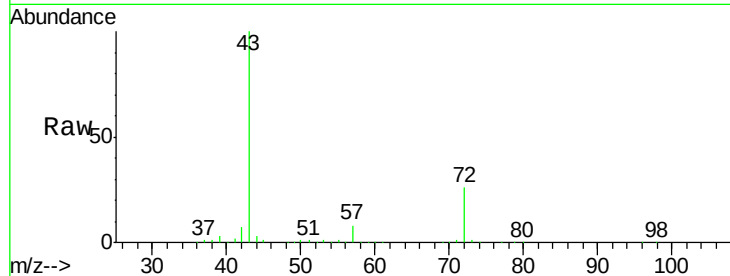
72 26.3 18.5 27.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

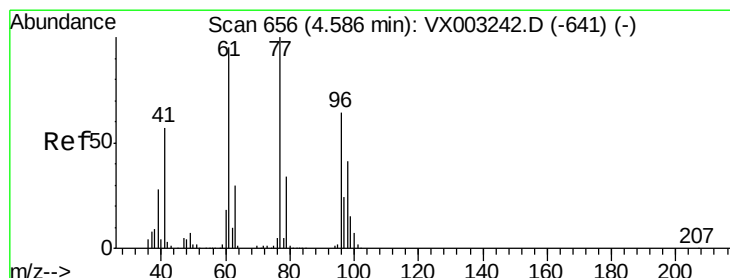
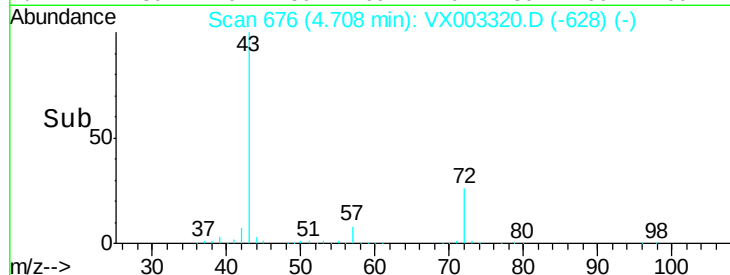
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.781 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003320.D

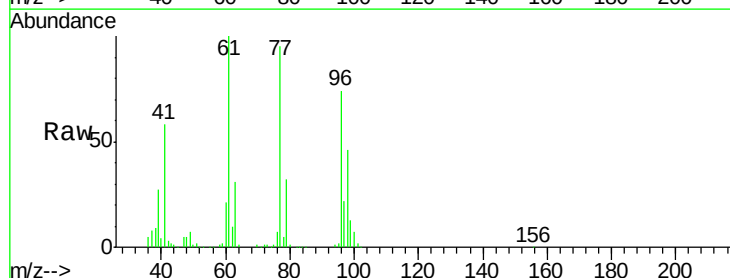
Acq: 11 Jul 2018 15:02

Tgt Ion: 77 Resp: 262797

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

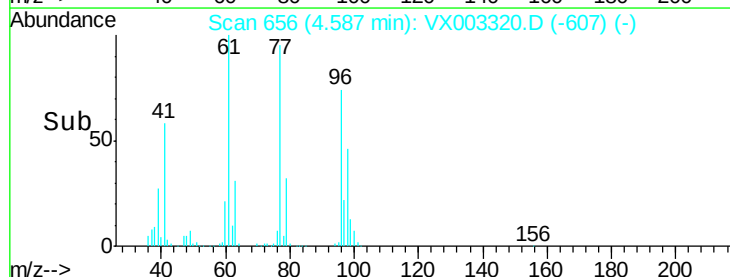
40000

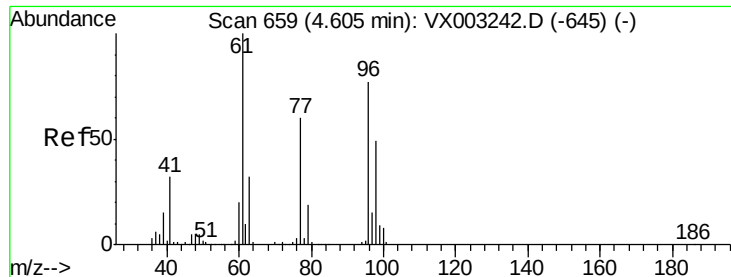
20000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

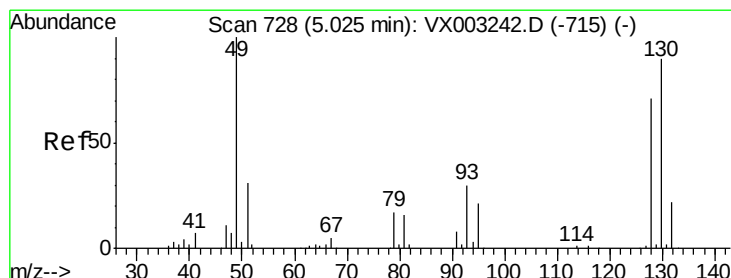
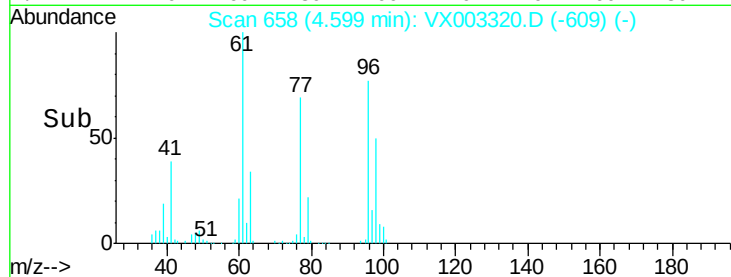
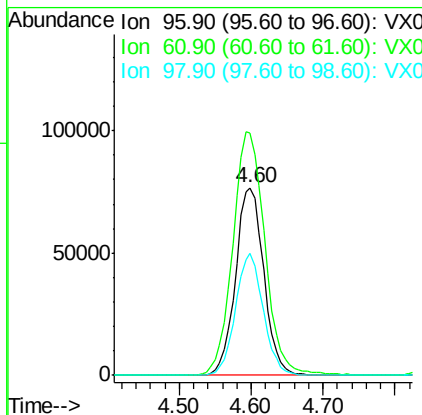
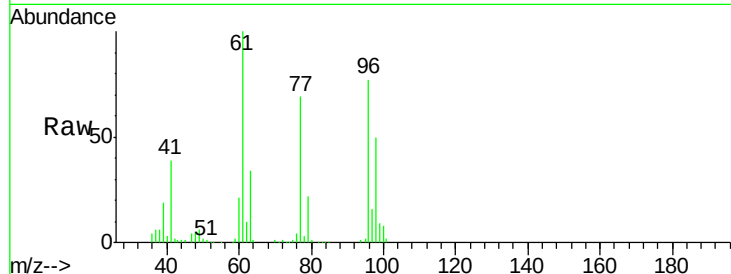
cis-1,2-Dichloroethene
 Concen: 48.617 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	208564		
61	148.6		0.0	330.2
98	63.8		0.0	130.2

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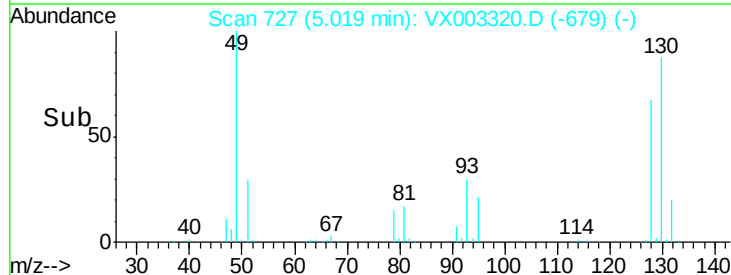
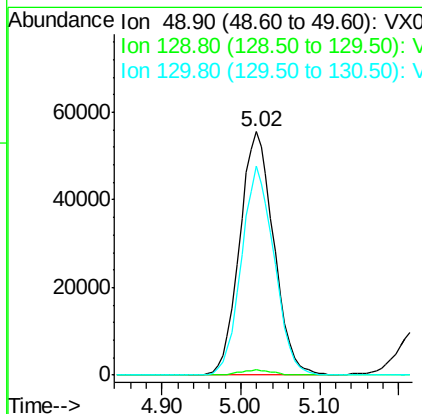
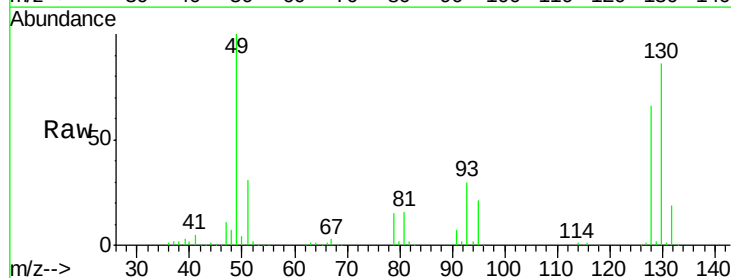
MMDadoda
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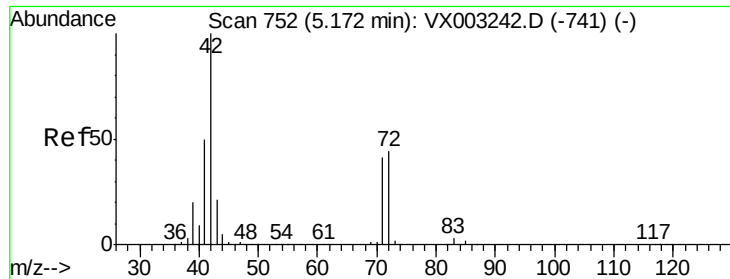


#28

Bromochloromethane
 Concen: 51.538 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	166773		
129	2.1		0.0	4.2
130	82.7		61.2	91.8





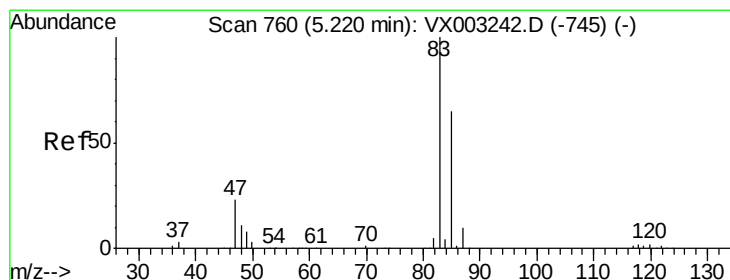
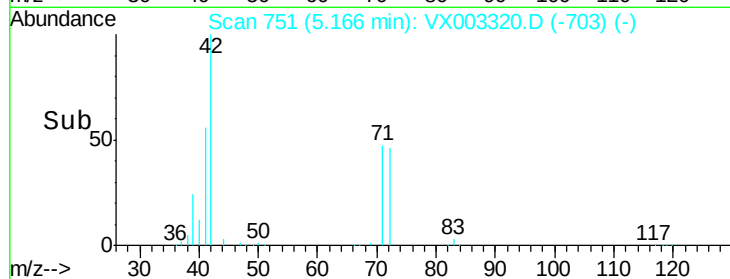
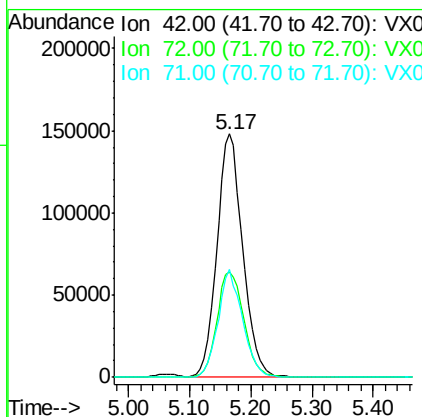
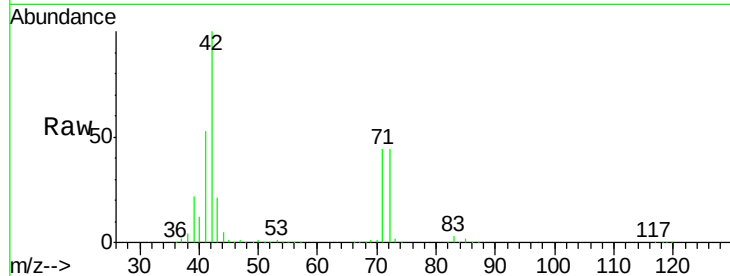
#29
Tetrahydrofuran
Concen: 230.871 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	32.0	48.0
71	42.3	30.1	45.1

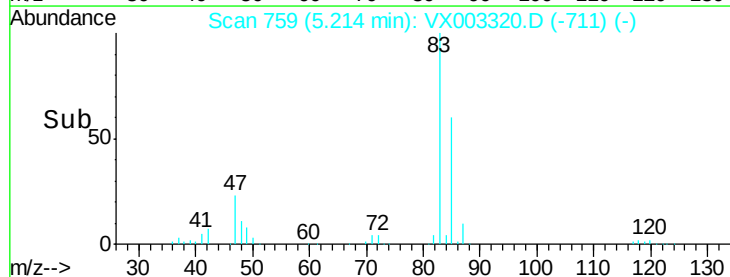
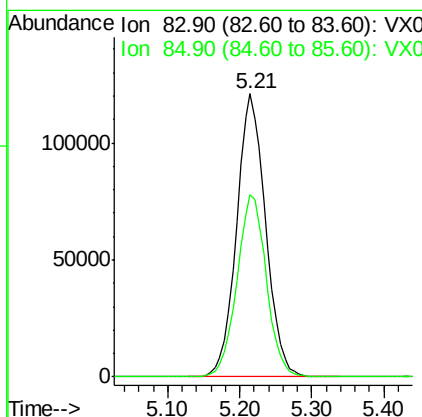
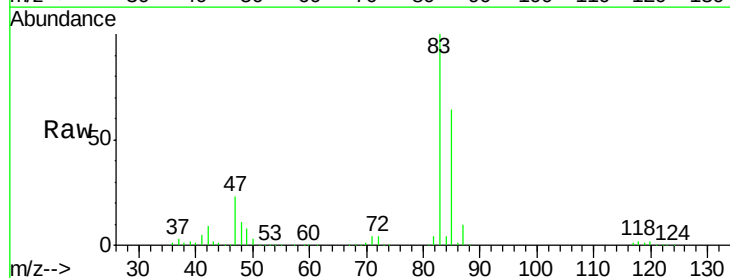
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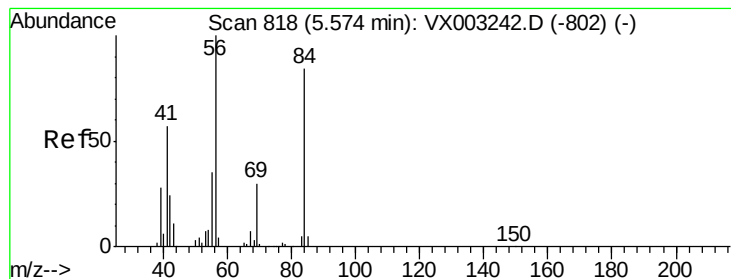
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#30
Chloroform
Concen: 47.710 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.4	75.6





#31

Cyclohexane

Concen: 49.844 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

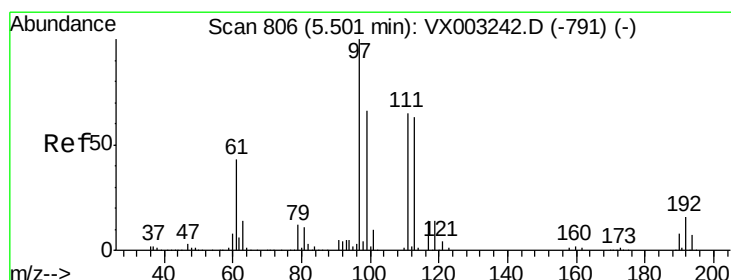
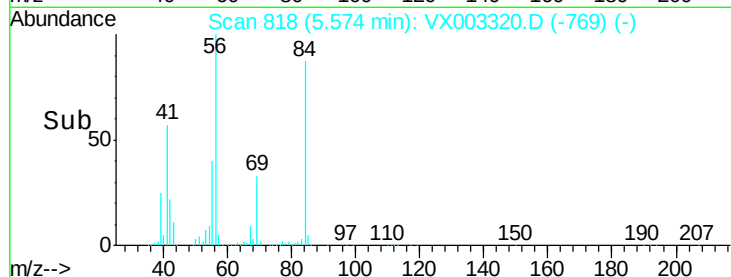
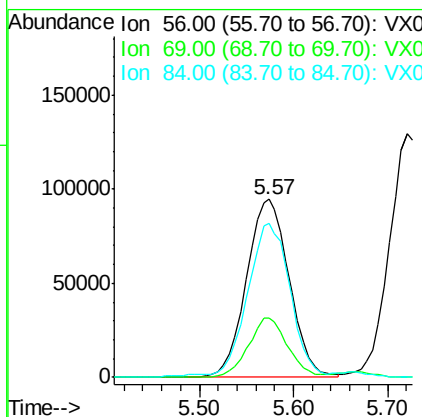
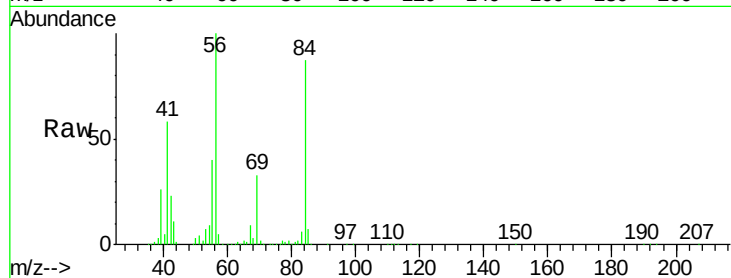
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	299771
Ion	Ratio	Lower	Upper
56	100		
69	33.3	23.7	35.5
84	85.5	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 46.723 ug/l

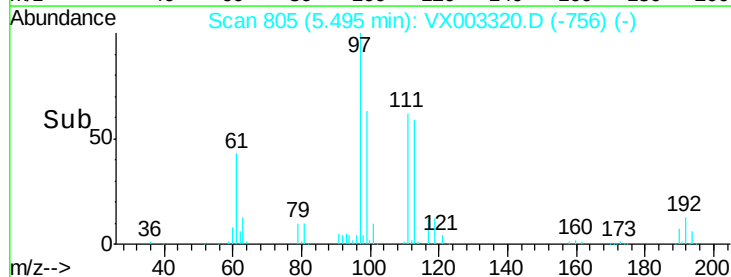
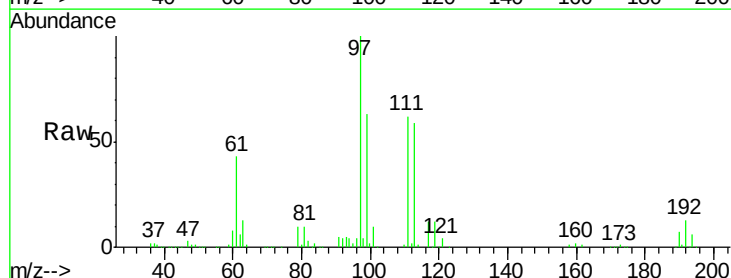
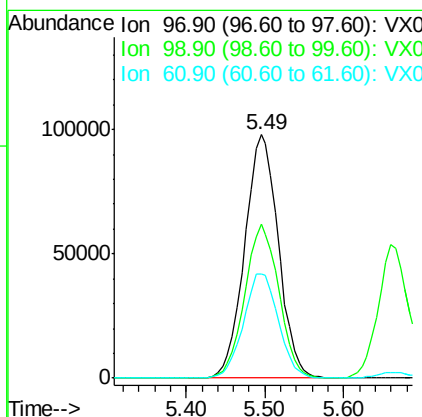
RT: 5.49 min Scan# 805

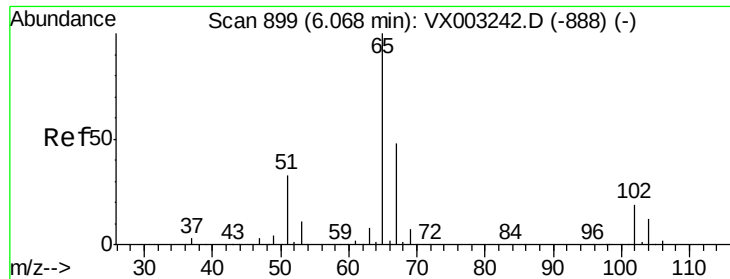
Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion:	97	Resp:	291202
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	44.4	36.4	54.6





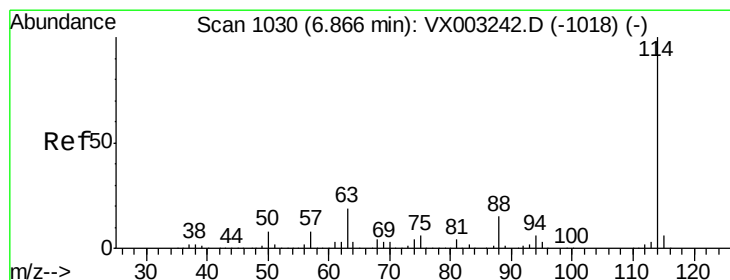
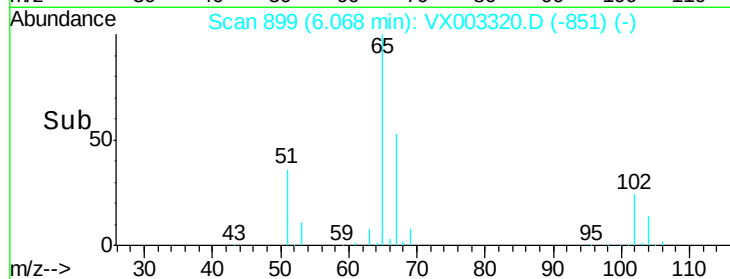
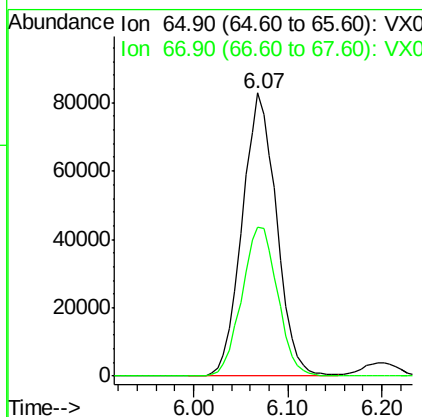
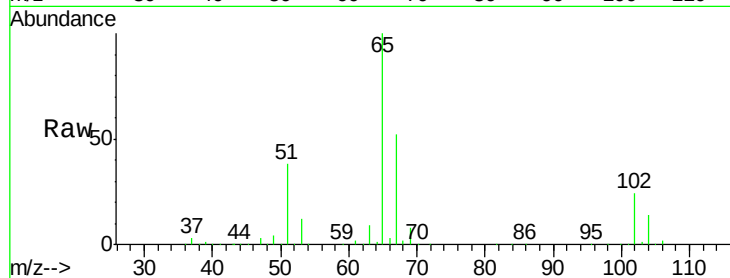
#33
 1,2-Dichloroethane-d4
 Concen: 46.146 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211619		
67	55.0	0.0	102.6	

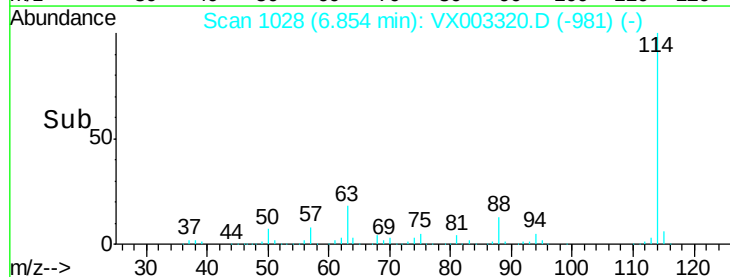
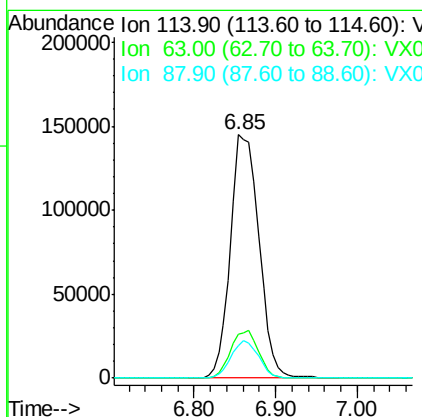
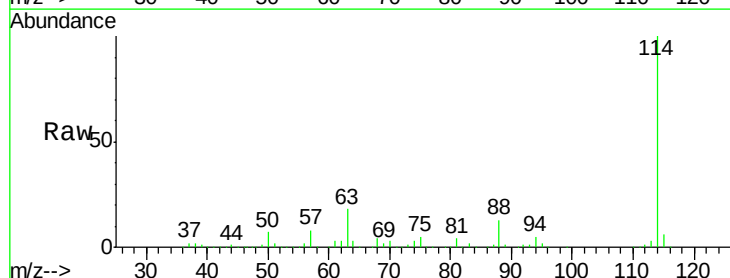
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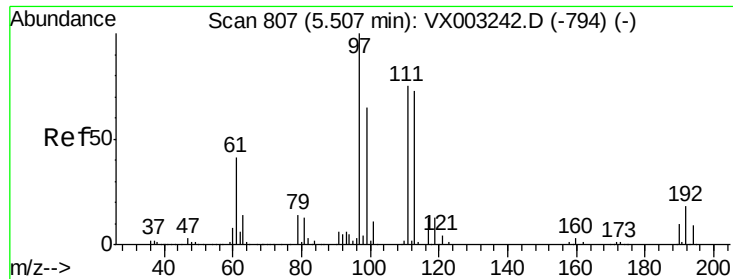
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	352434		
63	17.8	0.0	41.4	
88	13.4	0.0	30.0	





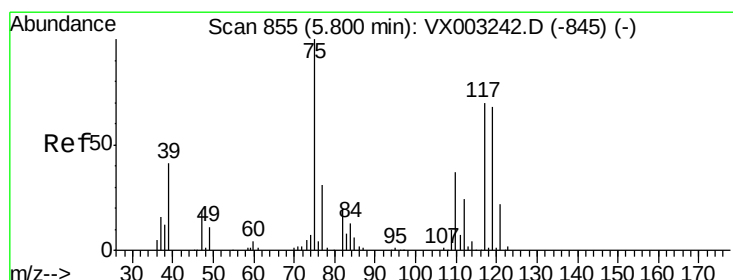
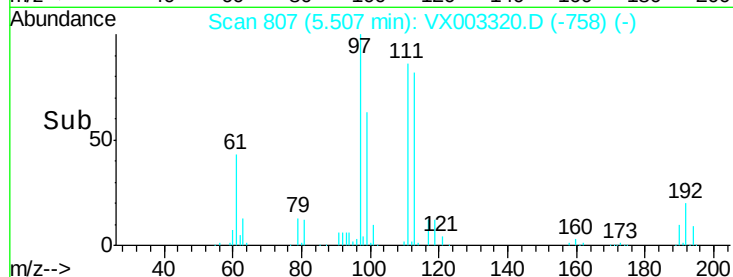
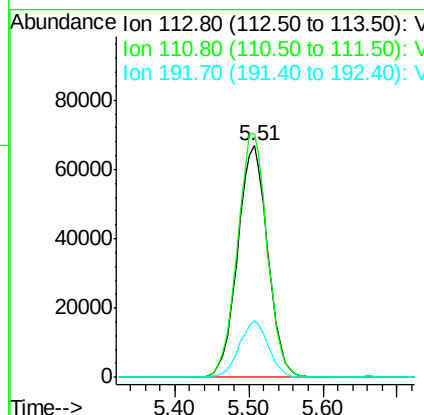
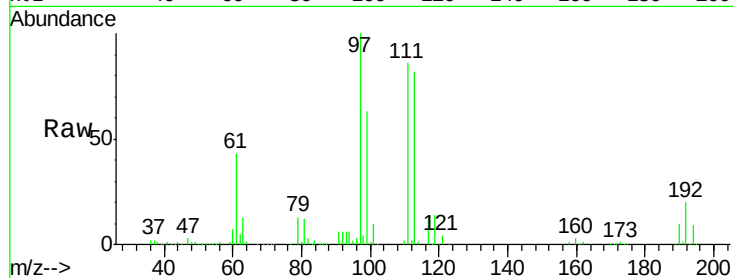
#35
Dibromofluoromethane
Concen: 49.979 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189235		
111	104.4	81.4	122.0	
192	23.7	19.1	28.7	

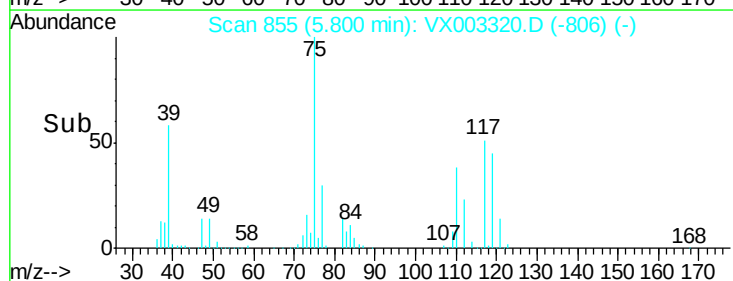
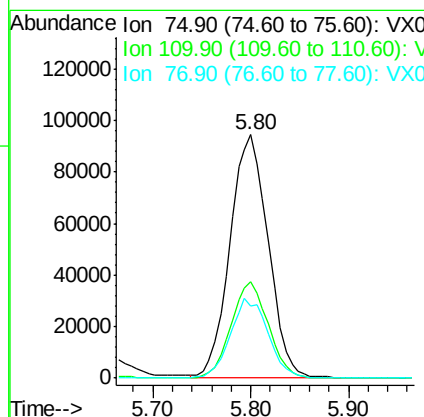
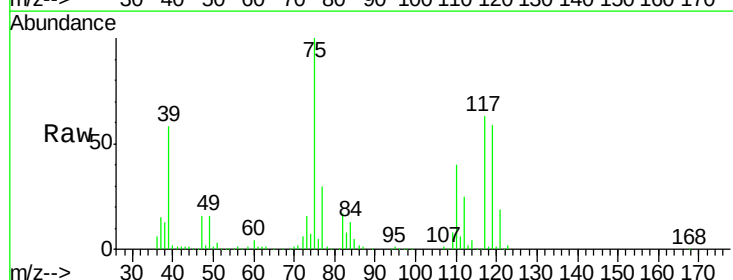
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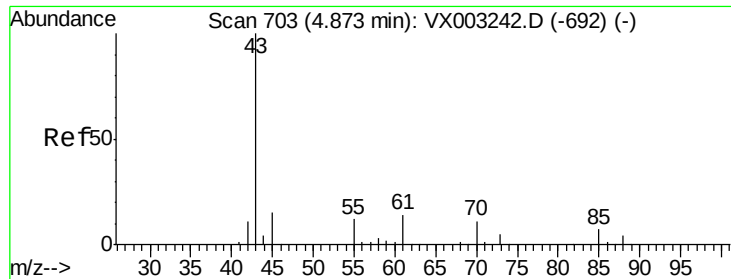
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#36
1,1-Dichloropropene
Concen: 50.813 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	253509		
110	38.8	18.1	54.4	
77	32.4	24.3	36.5	





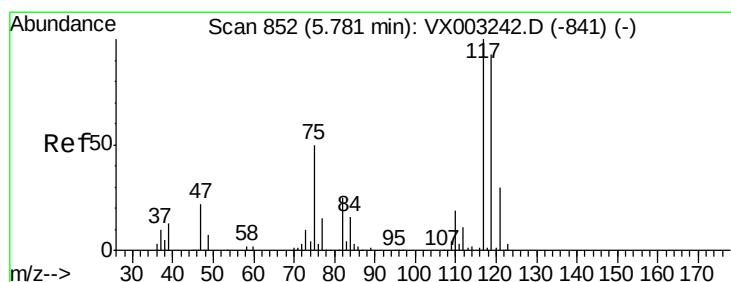
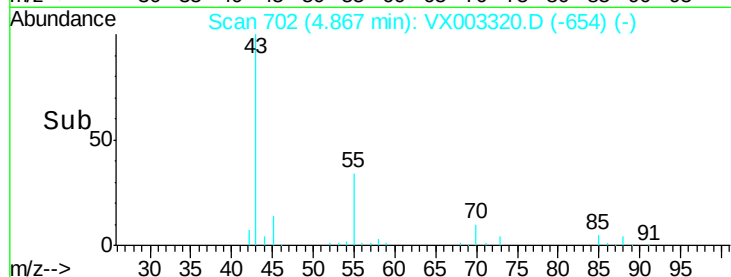
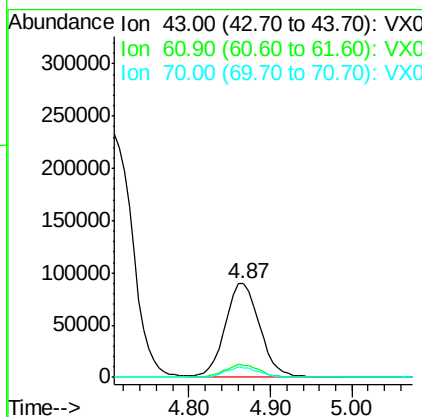
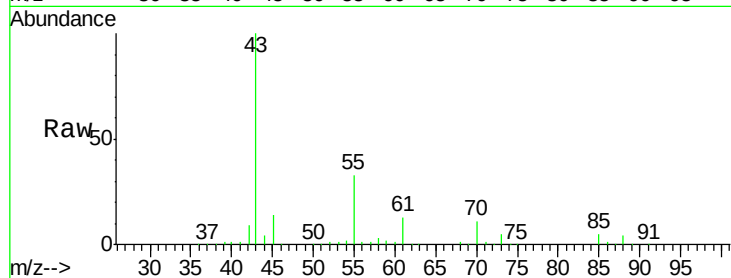
#37
Ethyl Acetate
Concen: 47.934 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	10.5	7.6	11.4

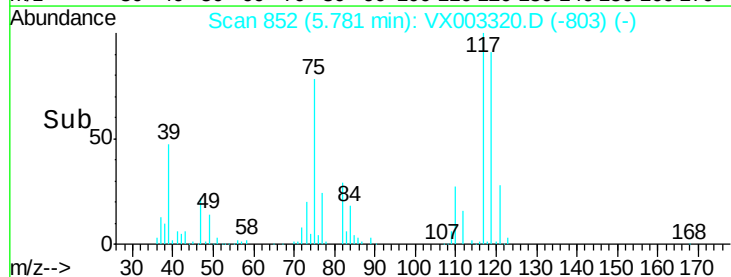
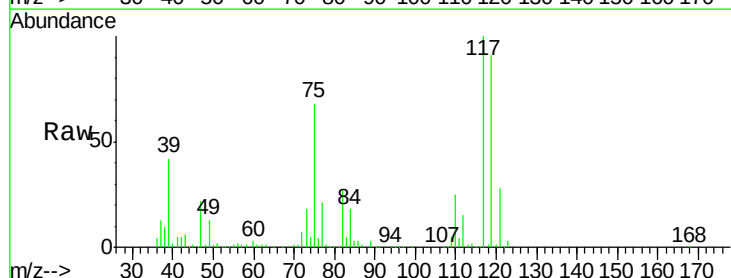
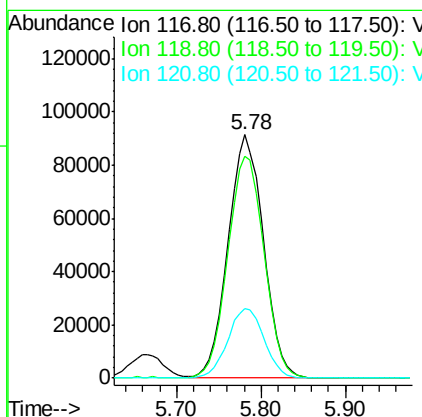
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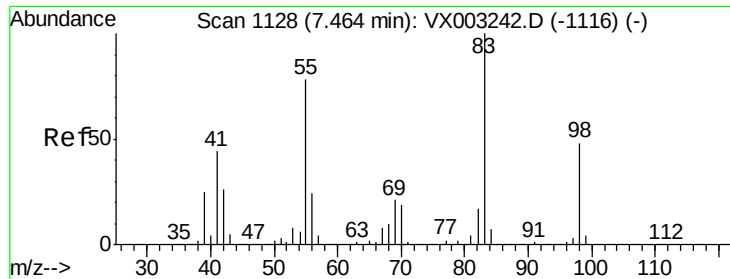
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#38
Carbon Tetrachloride
Concen: 47.805 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	77.4	116.0
121	28.4	24.4	36.6





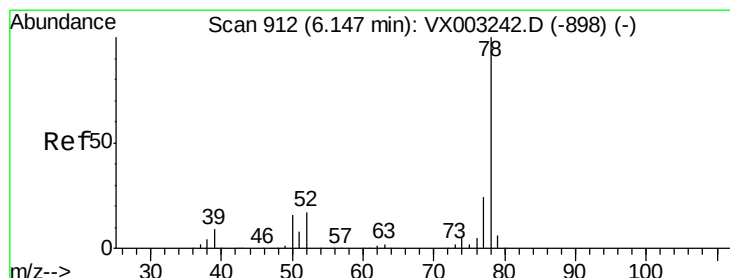
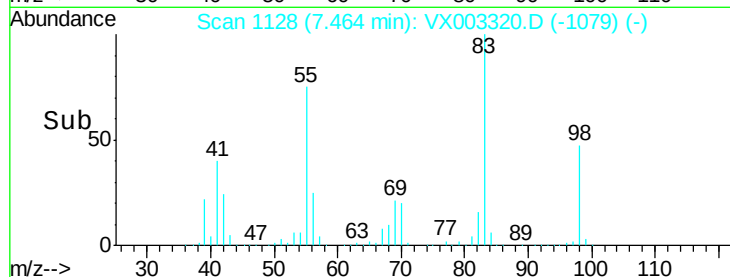
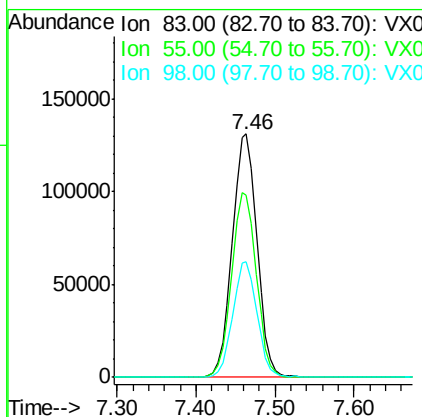
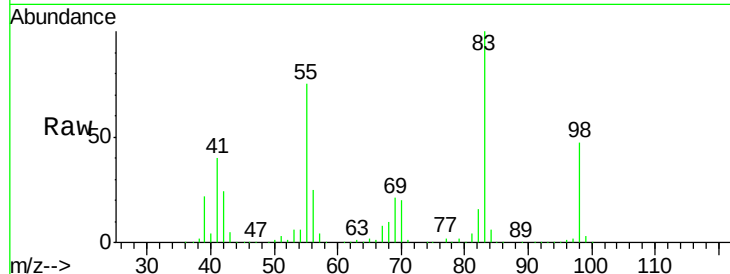
#39
Methylvlcyclohexane
Concen: 48.804 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	65.4	98.0
98	47.4	37.4	56.0

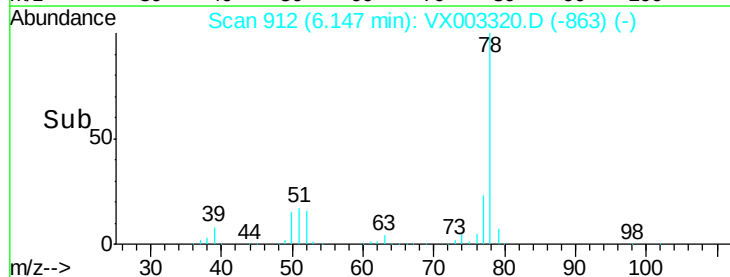
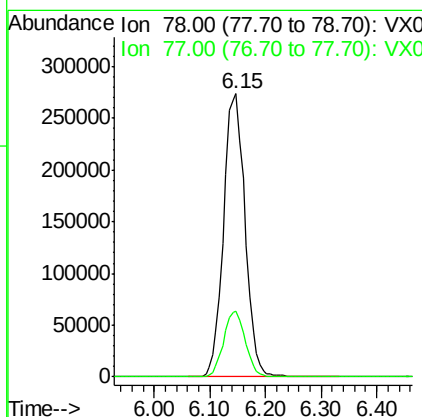
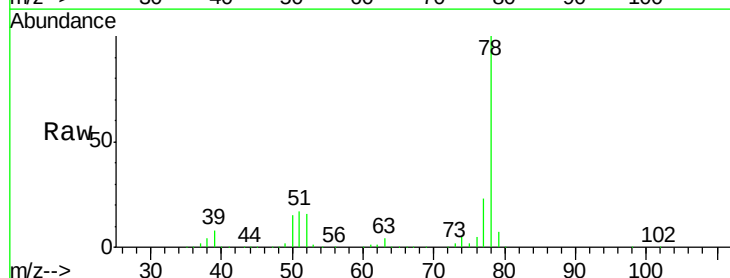
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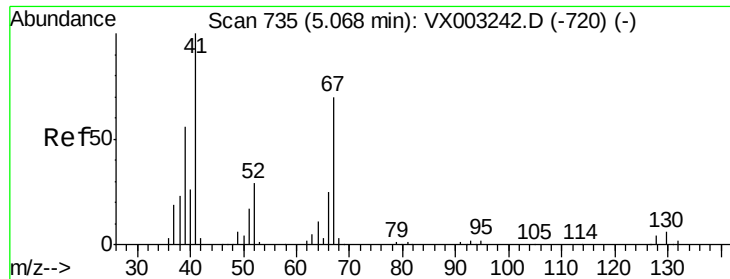
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#40
Benzene
Concen: 49.682 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





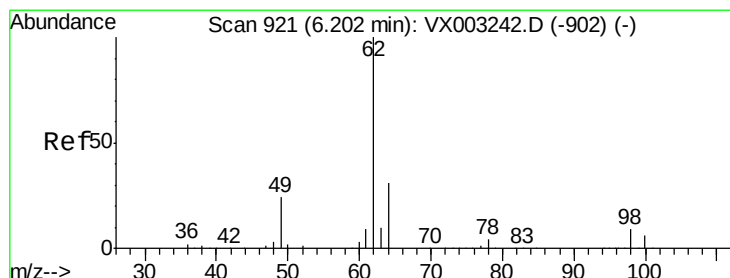
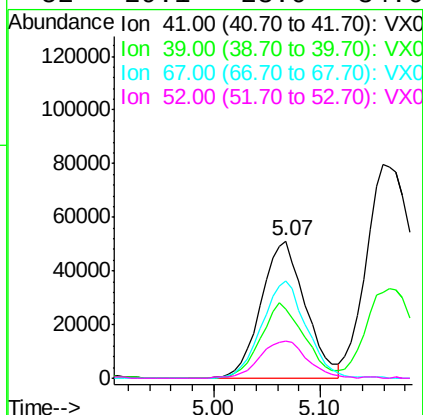
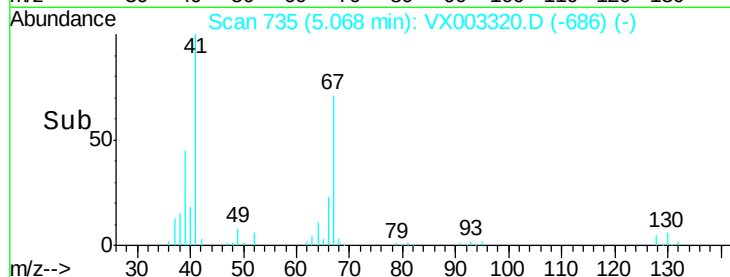
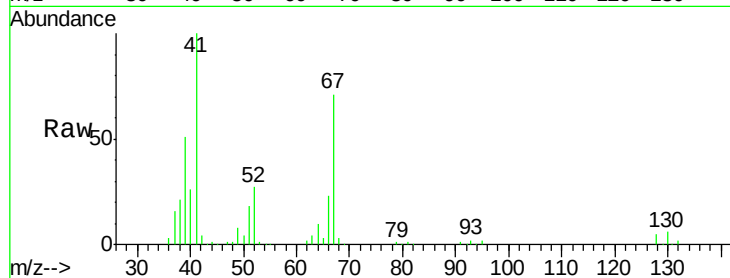
#41
Methacrylonitrile
Concen: 49.292 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	45.8	68.6	
67	71.4	51.3	76.9	
52	29.1	23.0	34.6	

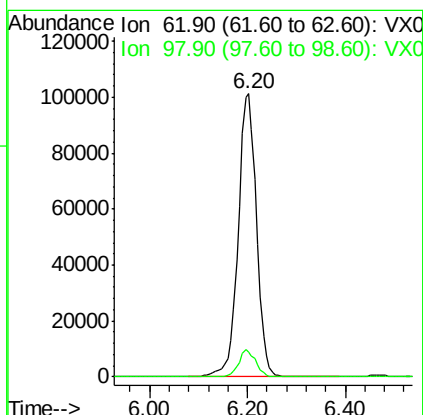
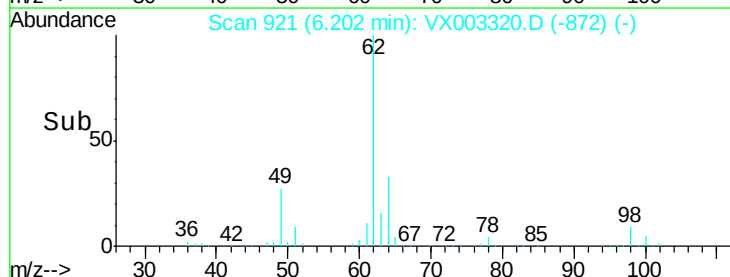
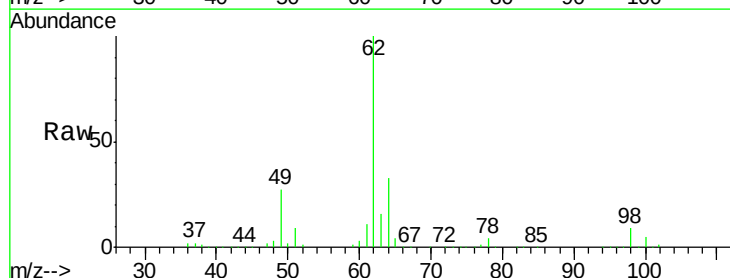
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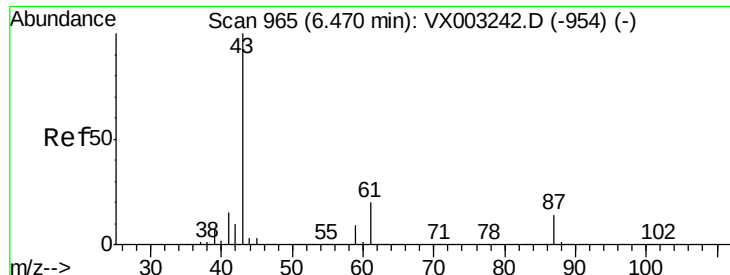
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.409 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	16.6	





#43

Isopropyl Acetate

Concen: 44.433 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

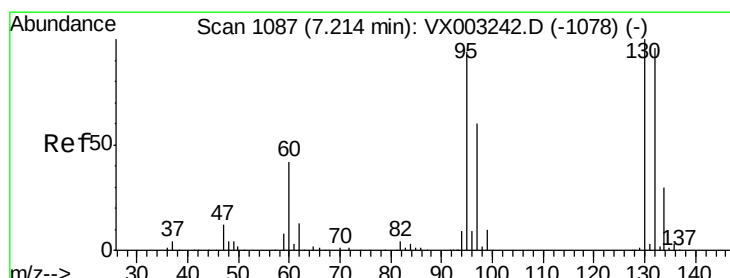
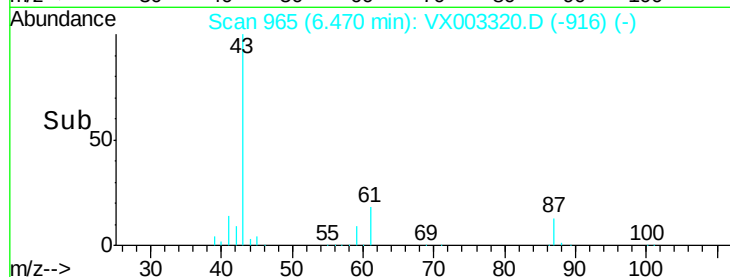
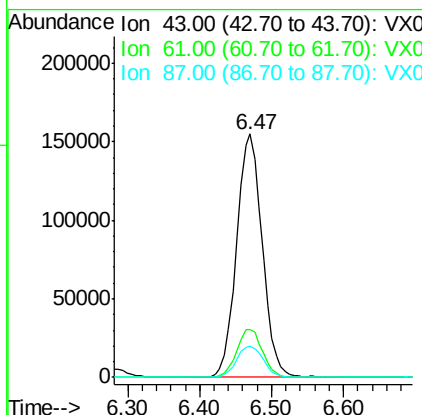
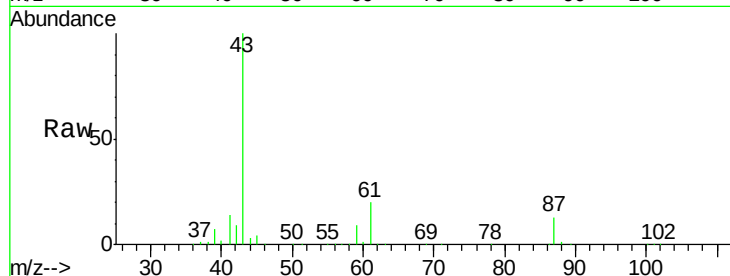
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	381621
Ion	Ratio	Lower	Upper
43	100		
61	20.0	14.4	21.6
87	13.4	9.5	14.3

Manual Integrations
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7/12/2018 10:59:15 AM



#44

Trichloroethene

Concen: 45.211 ug/l

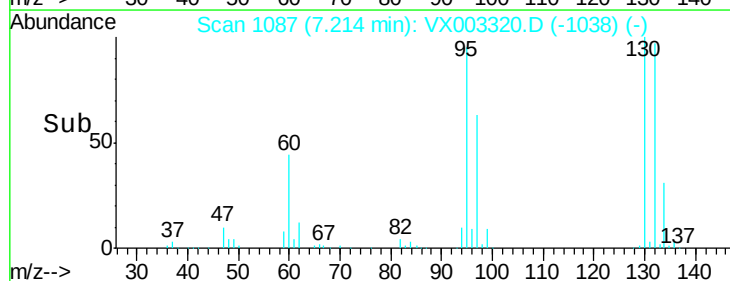
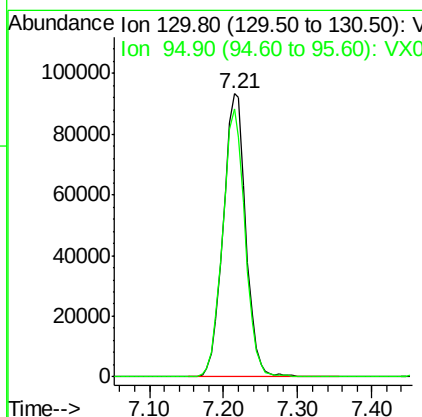
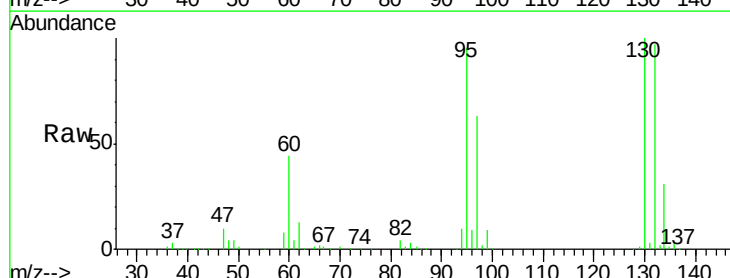
RT: 7.21 min Scan# 1087

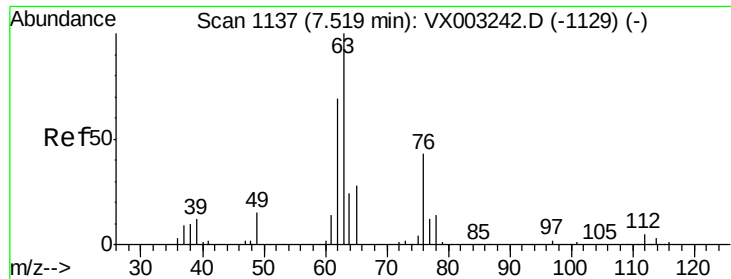
Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion:	130	Resp:	197665
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	185.4





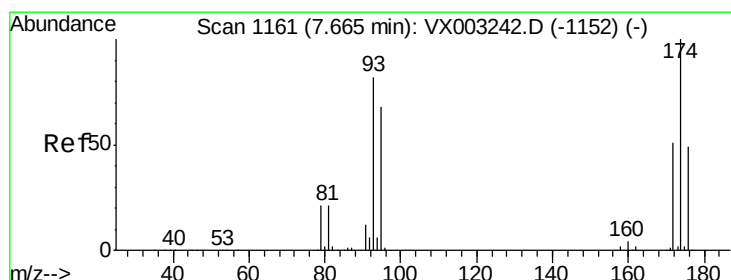
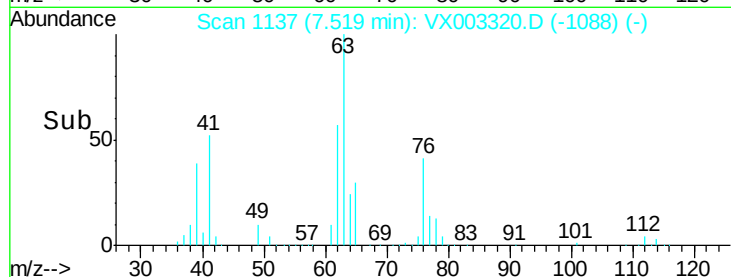
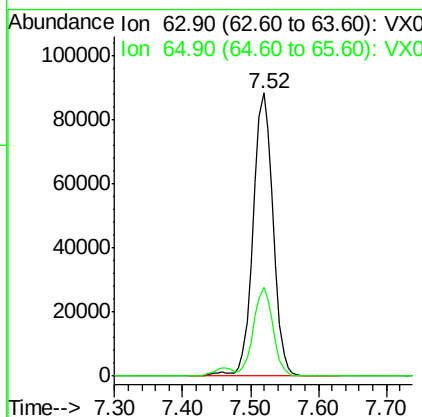
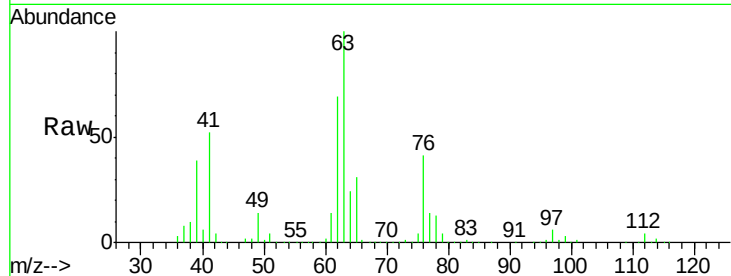
#45
 1,2-Dichloropropane
 Concen: 47.225 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 181528
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1

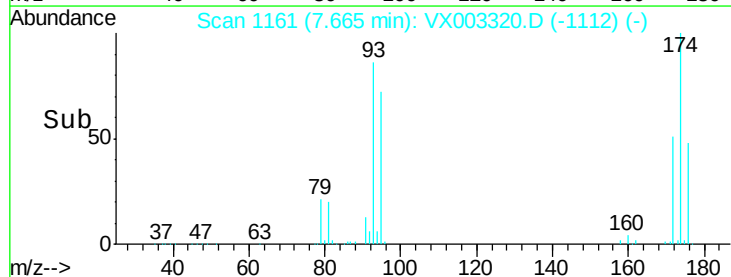
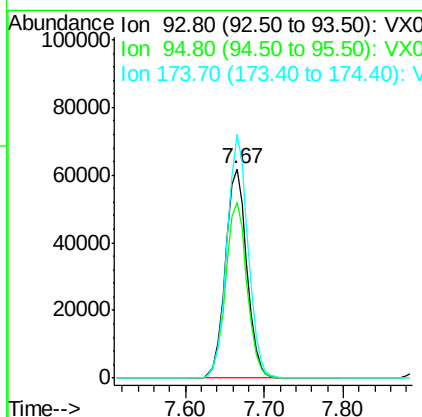
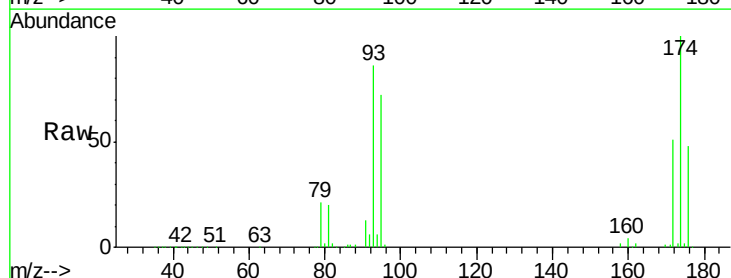
Manual Integrations
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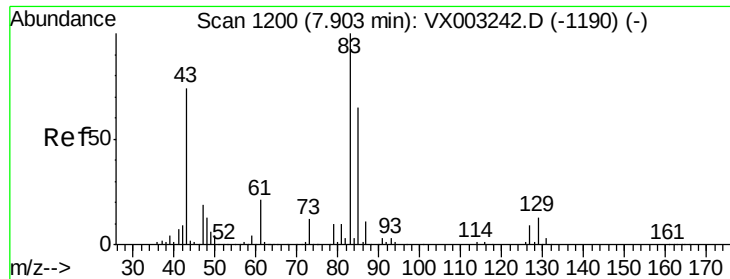
MMDadoda
 7/12/2018 10:59:15 AM



#46
 Dibromomethane
 Concen: 44.488 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion: 93 Resp: 116560
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.9 98.9
 174 114.8 92.4 138.6





#47

Bromodichloromethane

Concen: 46.139 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

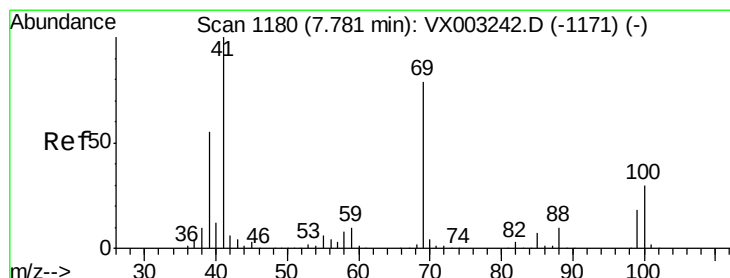
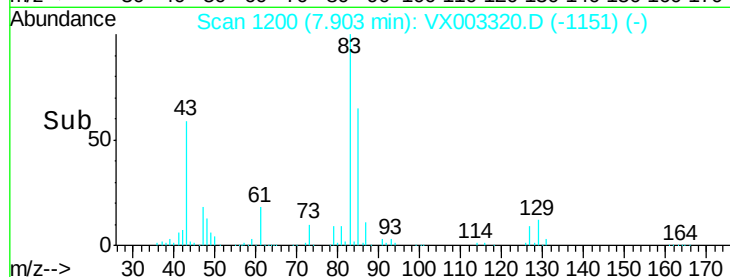
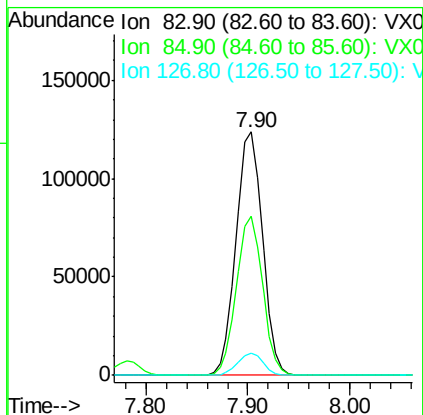
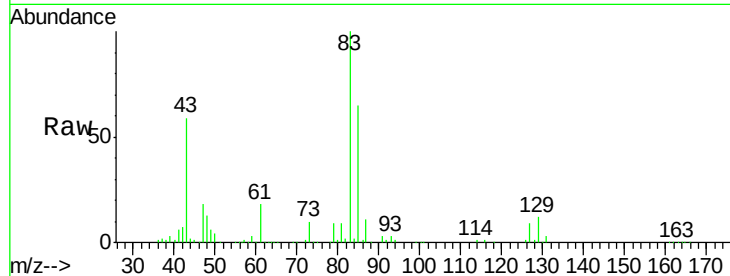
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	223054
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.3	75.5
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.698 ug/l

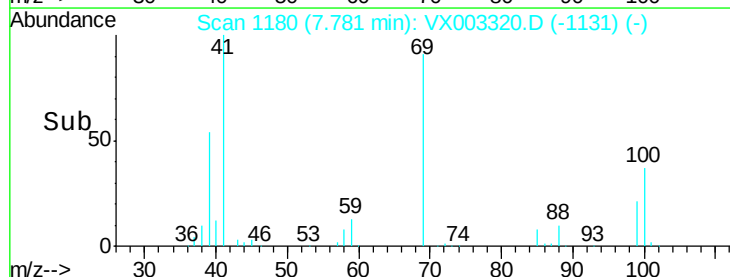
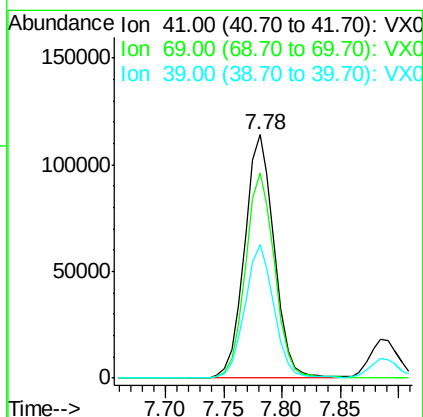
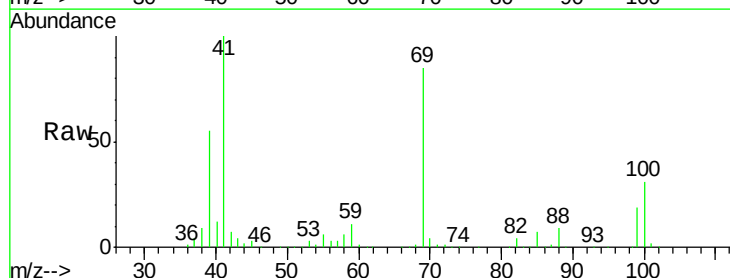
RT: 7.78 min Scan# 1180

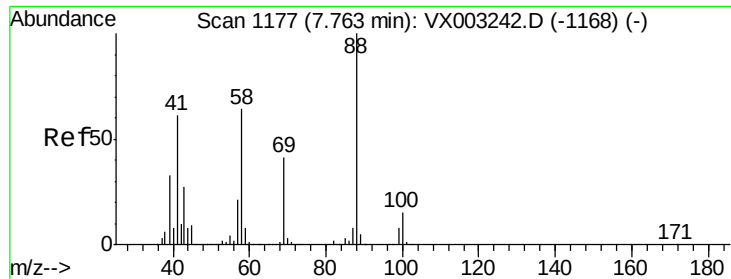
Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion:	41	Resp:	201299
Ion	Ratio	Lower	Upper
41	100		
69	83.6	59.1	88.7
39	53.6	48.9	73.3





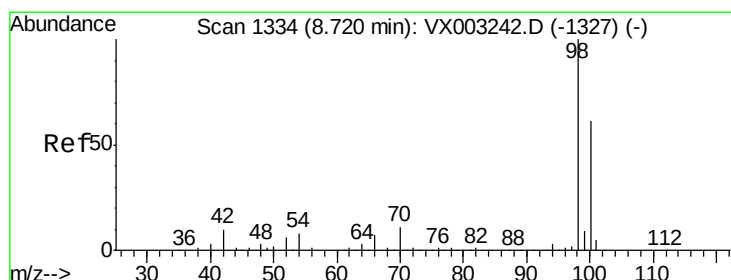
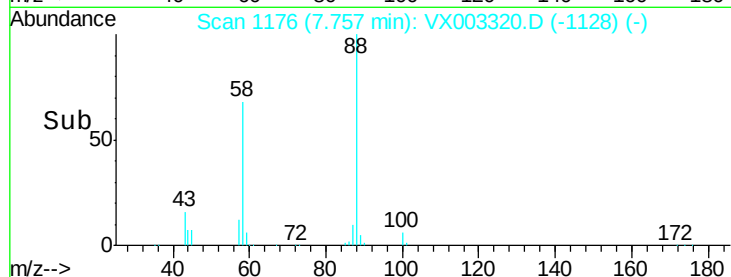
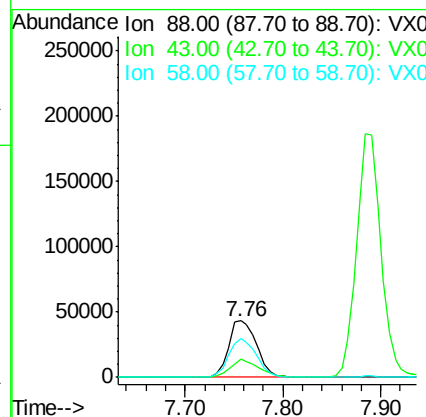
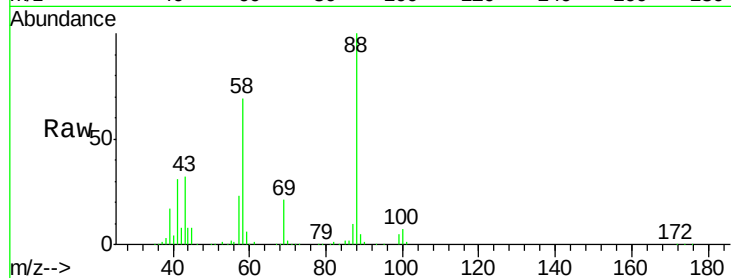
#49
1,4-Dioxane
Concen: 935.386 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	29.8	44.6
58	68.5	57.1	85.7

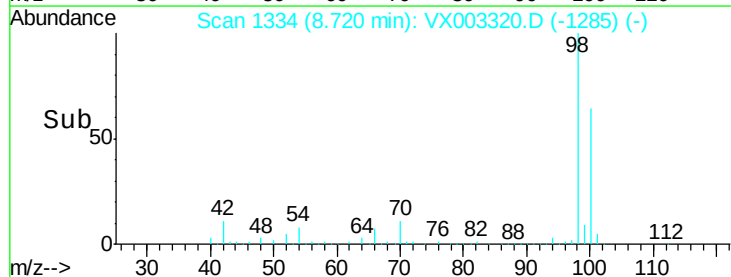
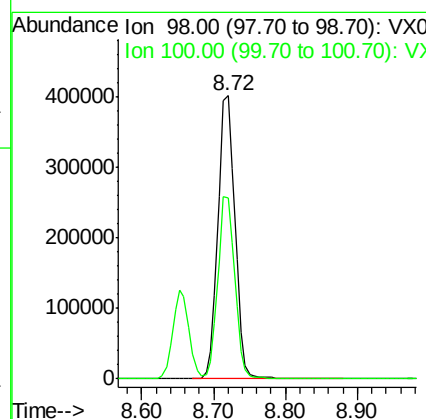
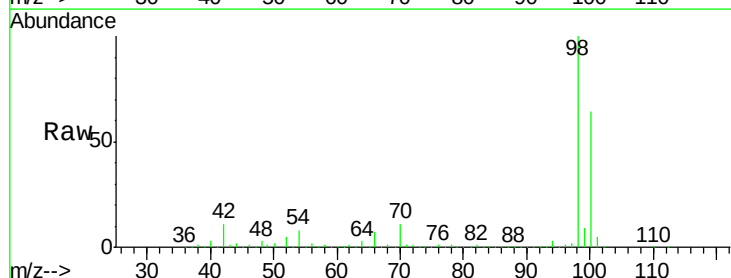
Manual Integrations
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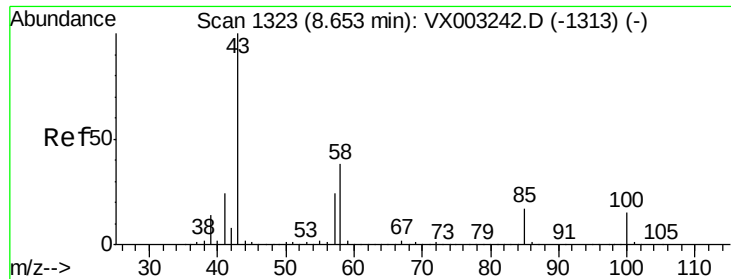
MMDadoda
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#50
Toluene-d8
Concen: 48.885 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.9	76.3





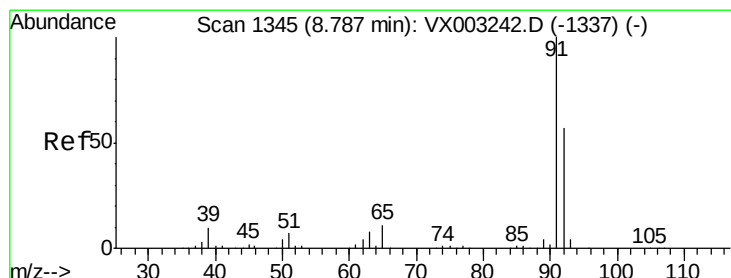
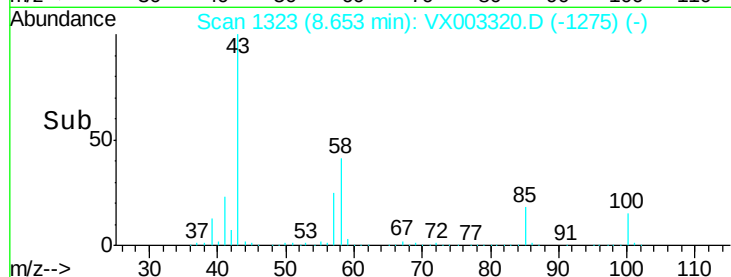
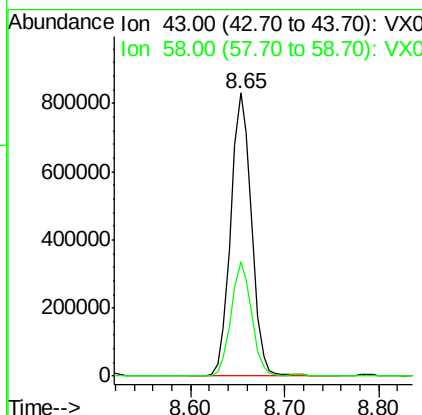
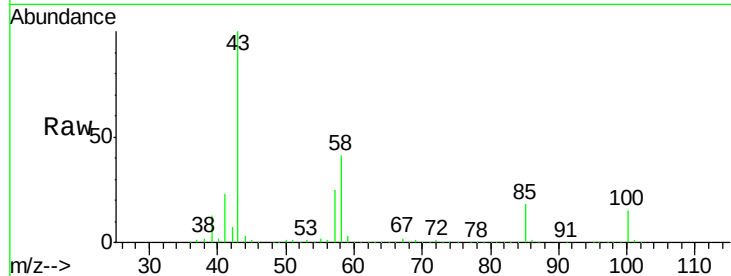
#51
4-Methyl-2-Pentanone
Concen: 238.227 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1273809
Ion Ratio Lower Upper
43 100
58 39.5 28.6 42.8

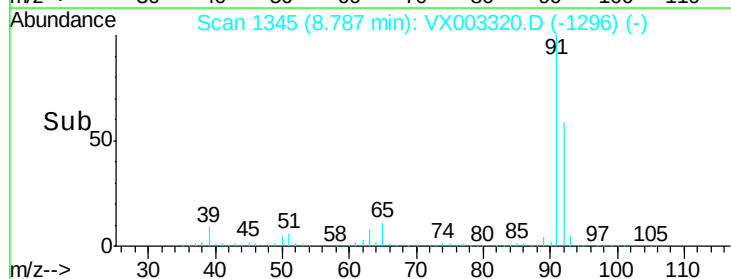
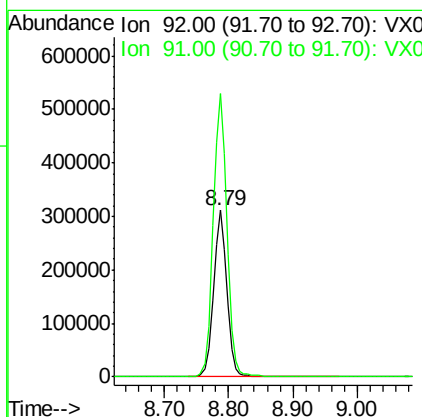
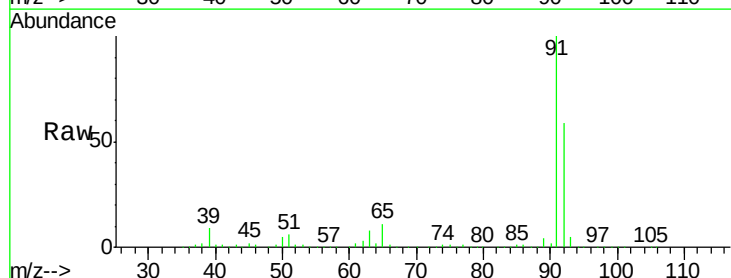
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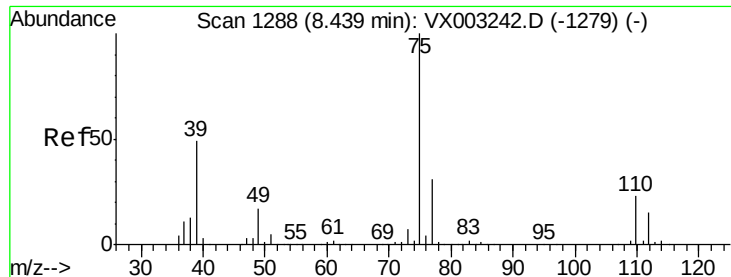
MMDadoda
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#52
Toluene
Concen: 48.197 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion: 92 Resp: 450465
Ion Ratio Lower Upper
92 100
91 177.1 140.4 210.6





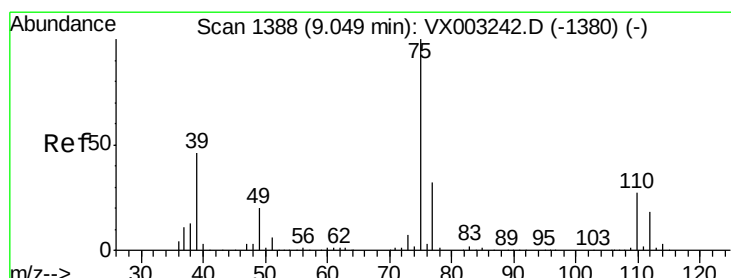
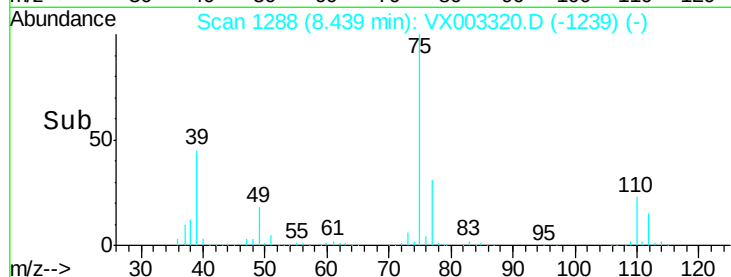
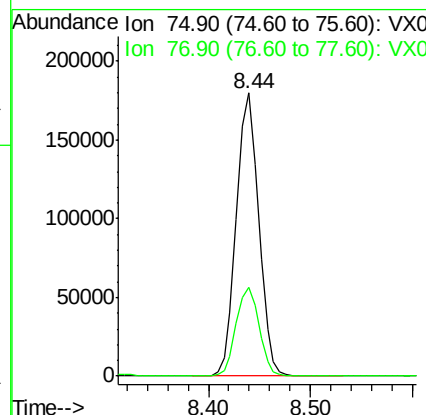
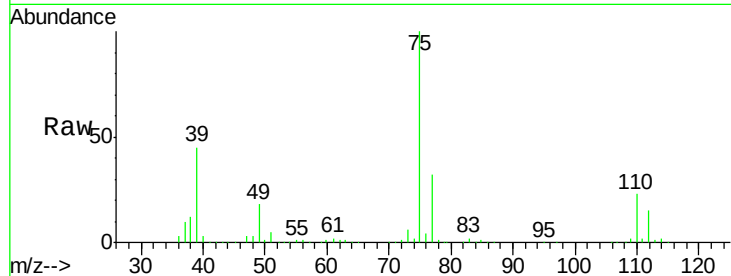
#53
t-1,3-Dichloropropene
Concen: 48.043 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 273286
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2

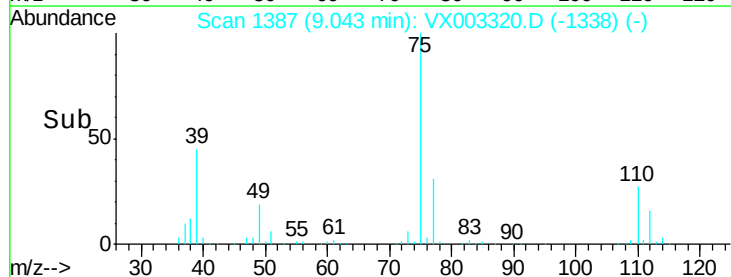
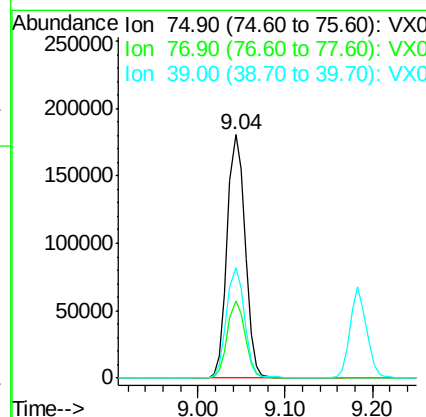
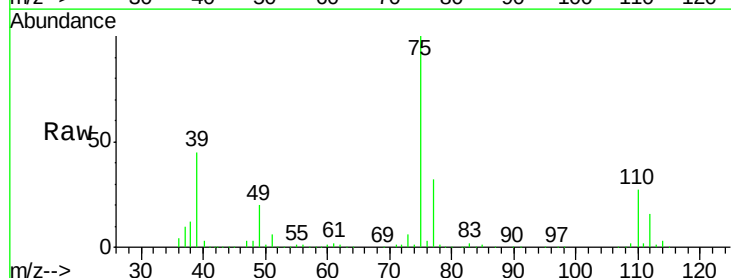
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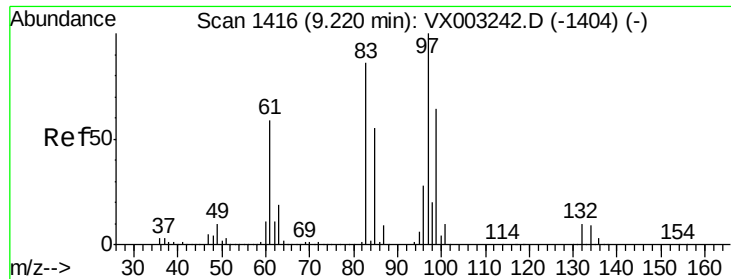
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#54
cis-1,3-Dichloropropene
Concen: 49.626 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion: 75 Resp: 256918
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 45.2 42.4 63.6





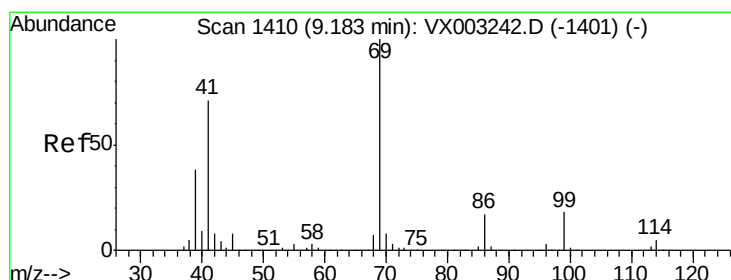
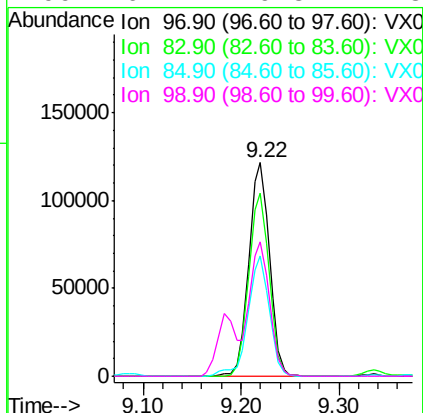
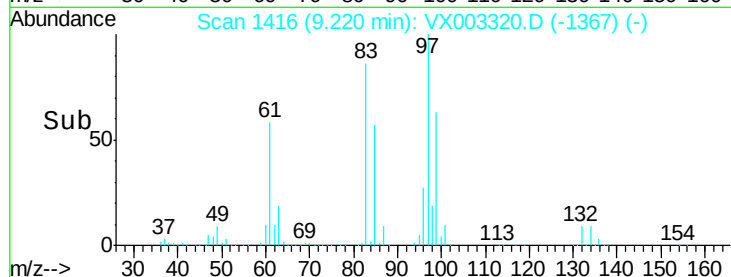
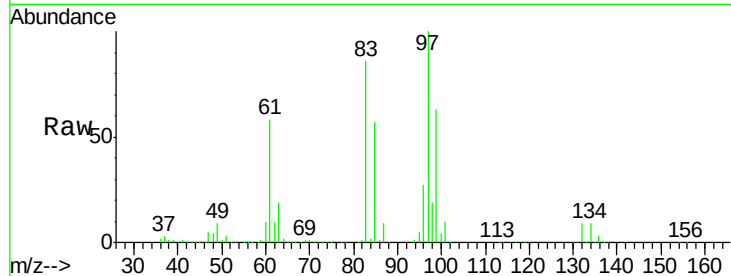
#55
 1,1,2-Trichloroethane
 Concen: 46.148 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	178929
Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.2	105.2
85	56.6	44.9	67.3
99	62.7	49.8	74.8

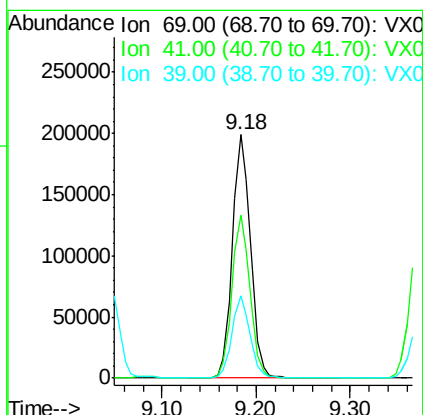
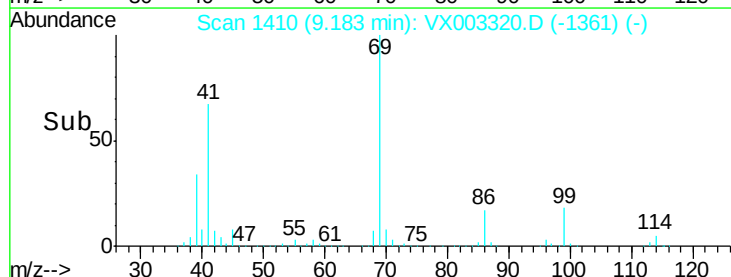
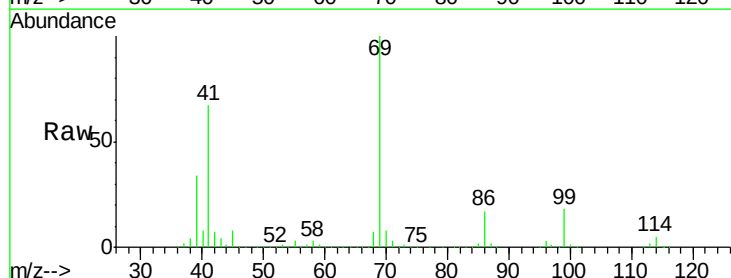
Manual Integrations
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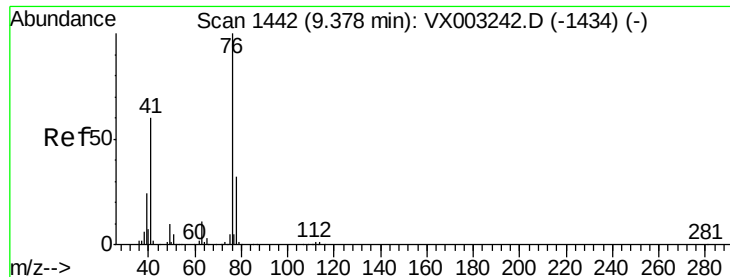
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#56
 Ethyl methacrylate
 Concen: 50.003 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion:	69	Resp:	265546
Ion	Ratio	Lower	Upper
69	100		
41	66.4	60.3	90.5
39	33.6	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 46.788 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 292212

Ion Ratio Lower Upper

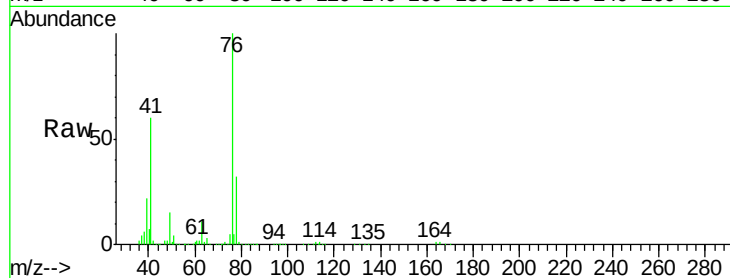
76 100

78 31.9 25.8 38.6

Manual Integrations
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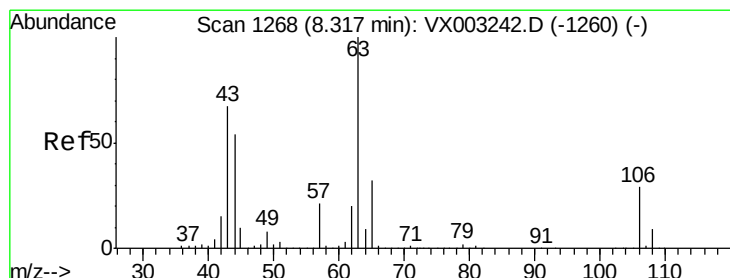
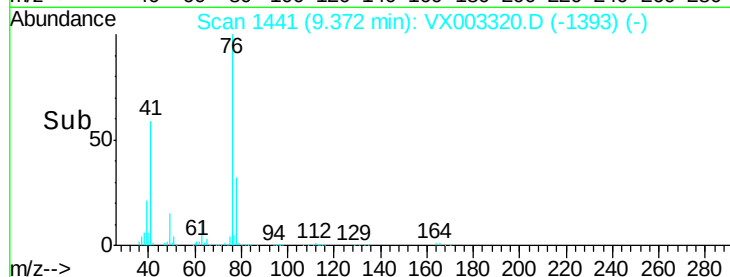
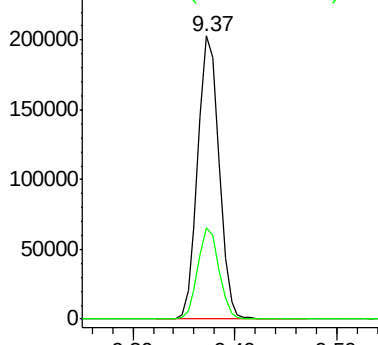
MMDadoda

7/12/2018 10:59:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 286.505 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003320.D

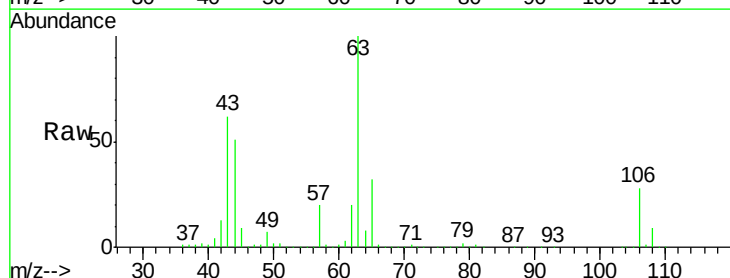
Acq: 11 Jul 2018 15:02

Tgt Ion: 63 Resp: 733954

Ion Ratio Lower Upper

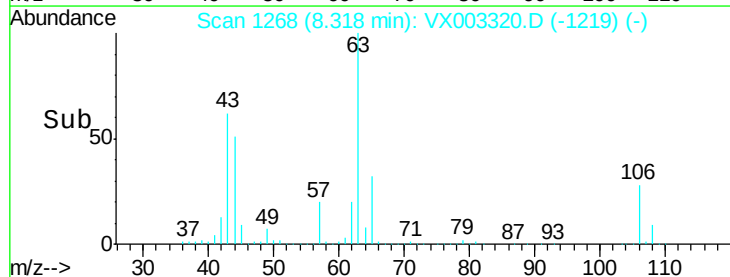
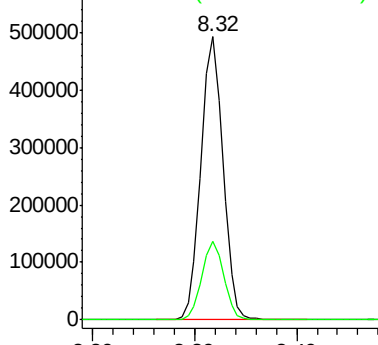
63 100

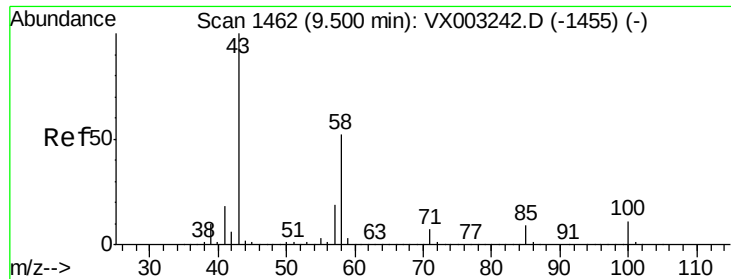
106 27.8 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





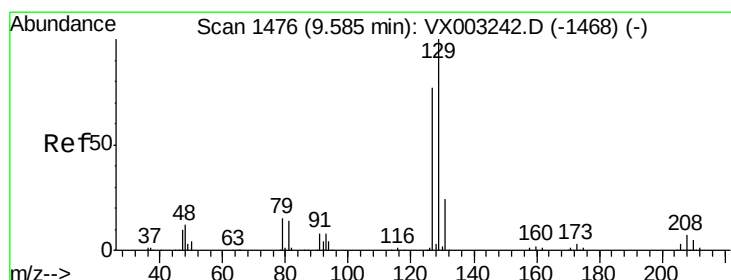
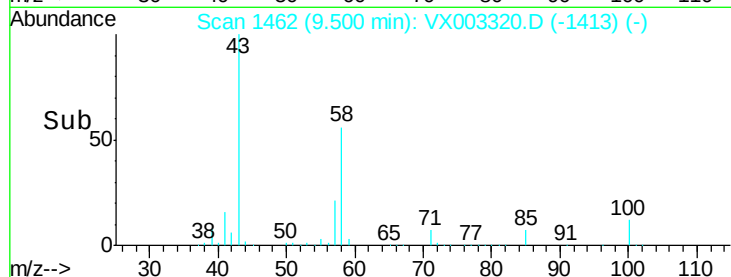
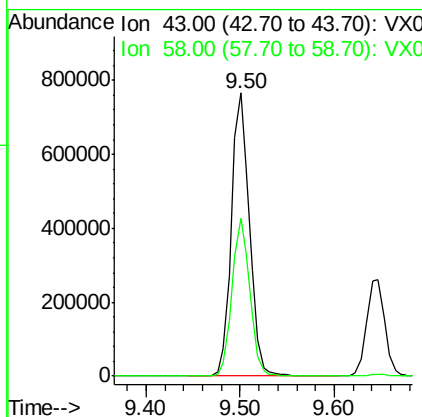
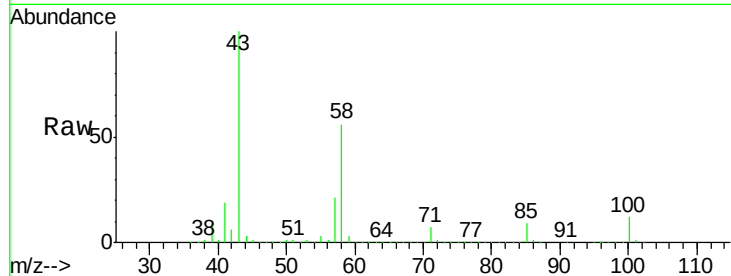
#59
2-Hexanone
Concen: 250.897 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1018968
Ion Ratio Lower Upper
43 100
58 54.9 24.6 73.6

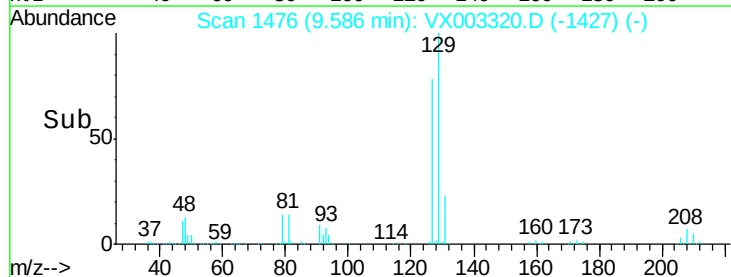
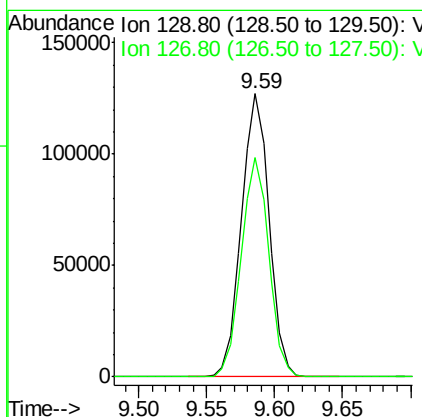
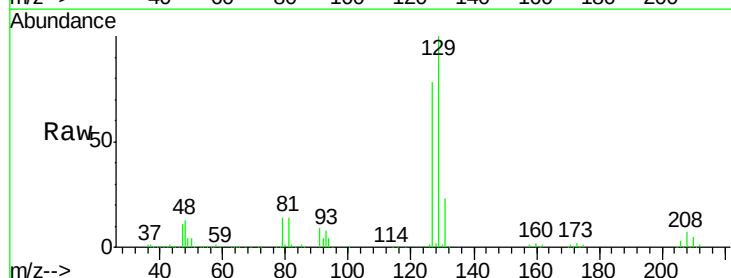
Manual Integrations
APPROVED

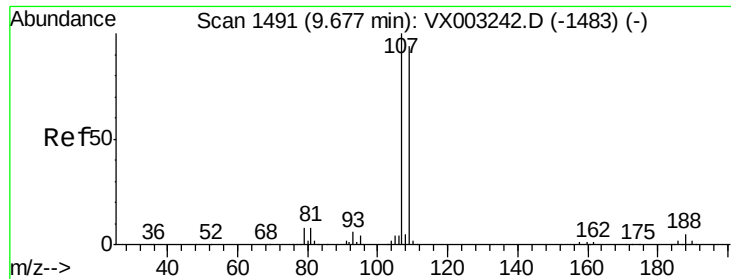
MMDadoda
7/12/2018 10:59:15 AM



#60
Dibromochloromethane
Concen: 44.807 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion: 129 Resp: 181397
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





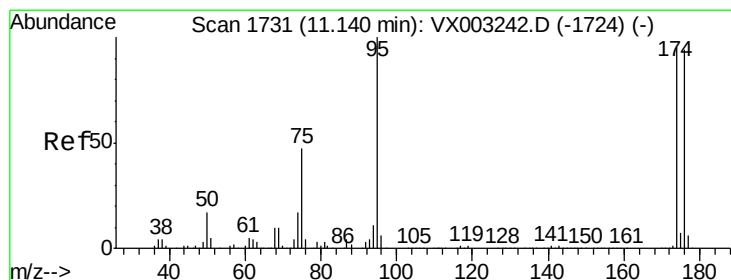
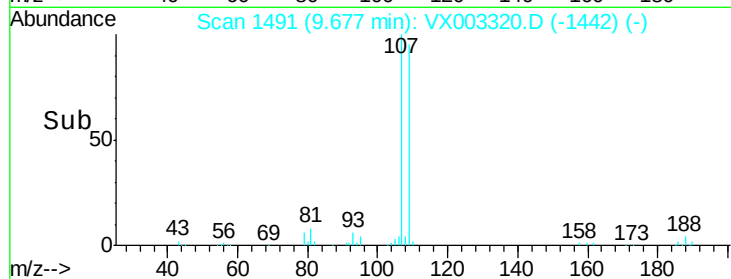
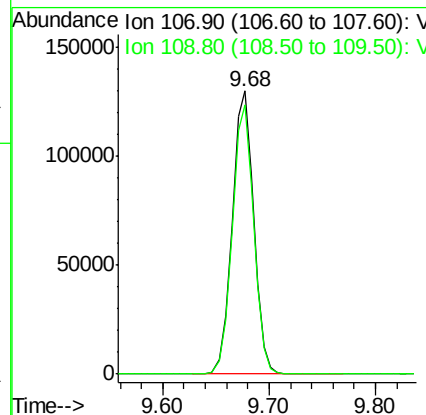
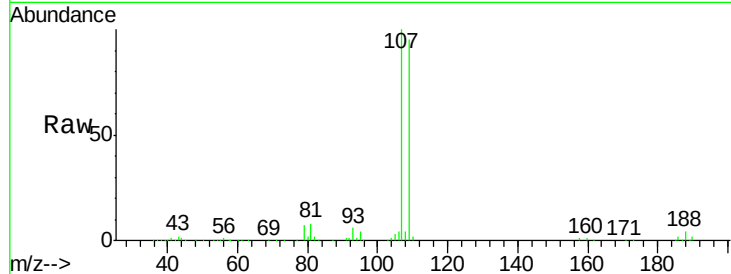
#61
 1,2-Dibromoethane
 Concen: 45.323 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

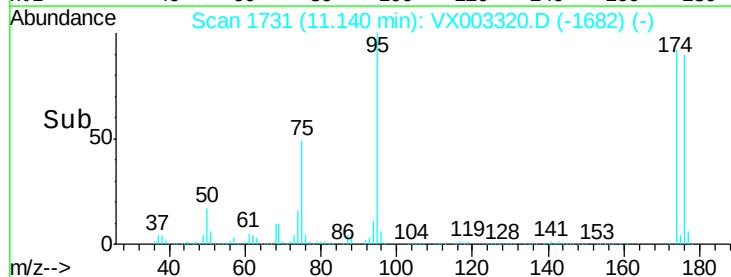
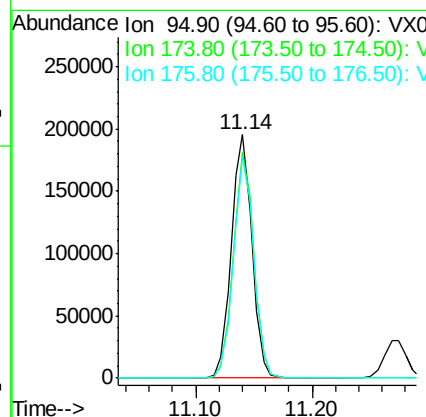
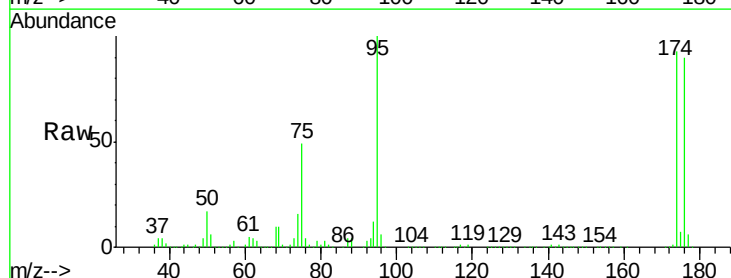
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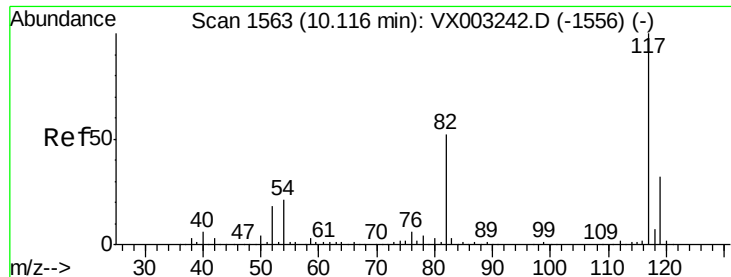
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#62
 4-Bromofluorobenzene
 Concen: 48.250 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	187.4
176	90.0	0.0	181.0





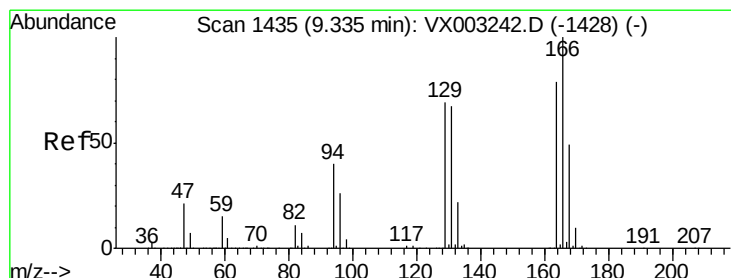
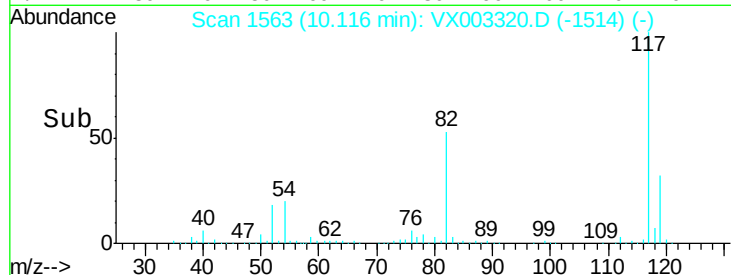
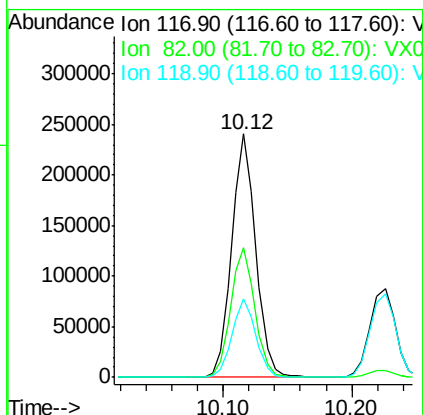
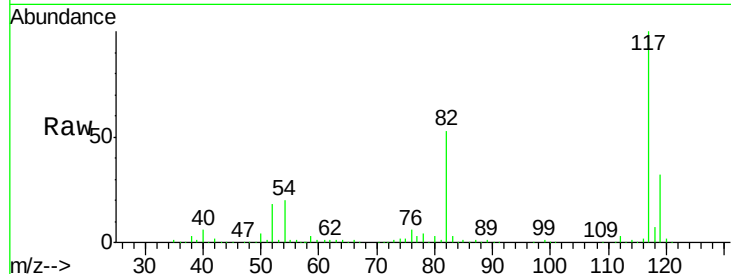
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.0	67.4
119	32.4	25.8	38.6

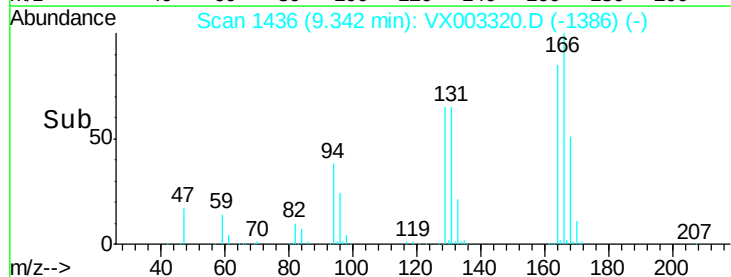
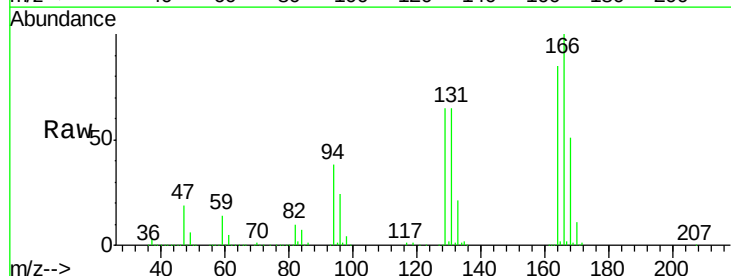
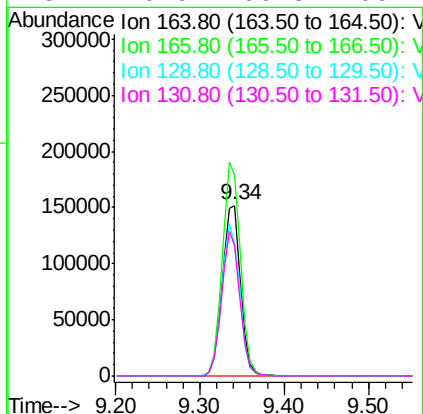
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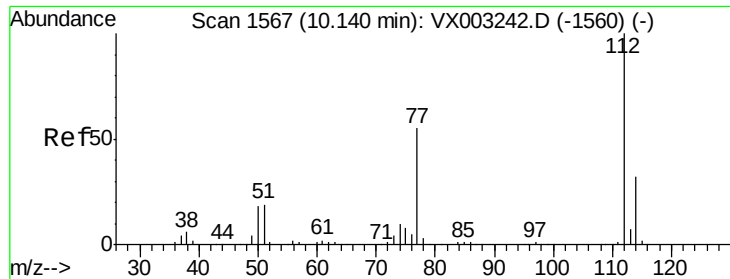
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#64
Tetrachloroethene
Concen: 48.139 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.9	102.9	154.3
129	76.9	68.6	102.8
131	76.5	66.8	100.2





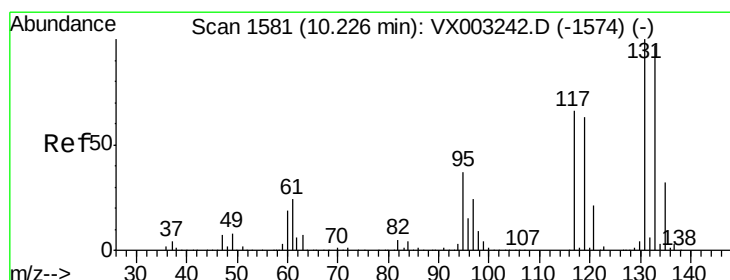
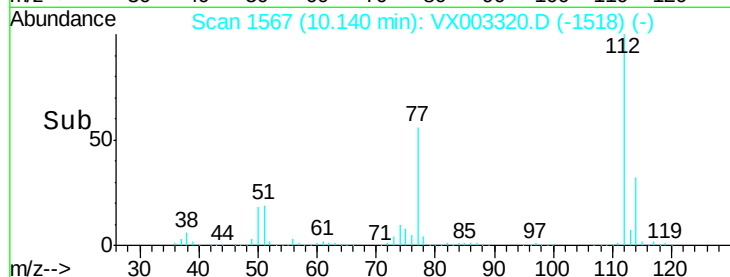
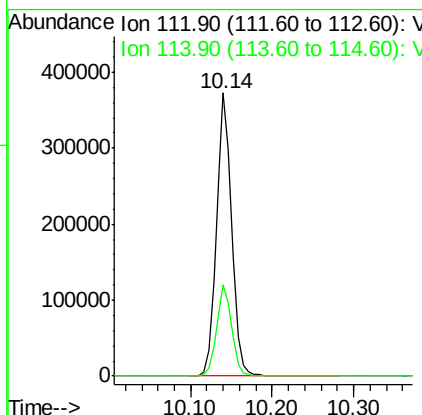
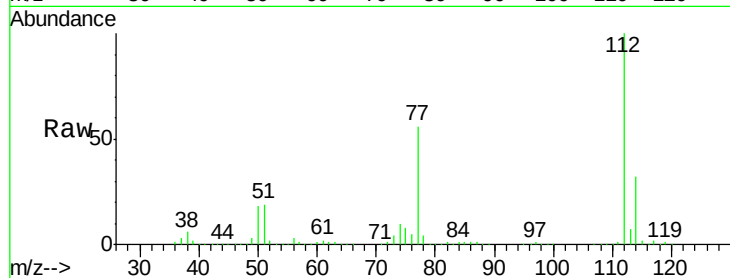
#65
Chlorobenzene
Concen: 46.317 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 493624
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

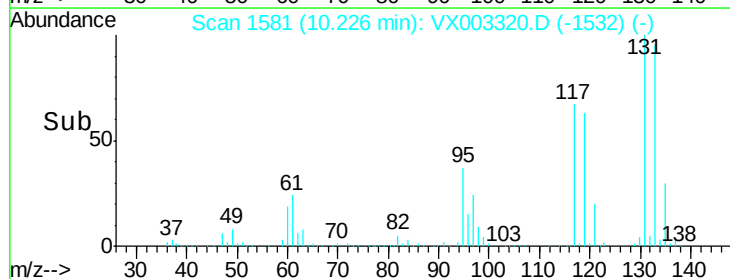
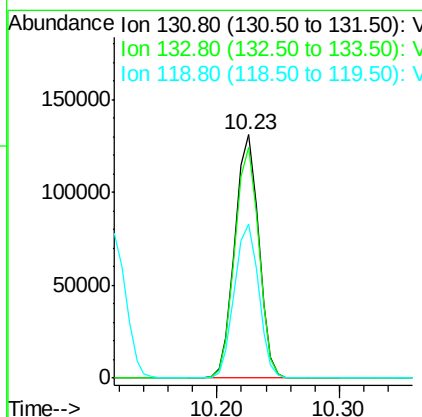
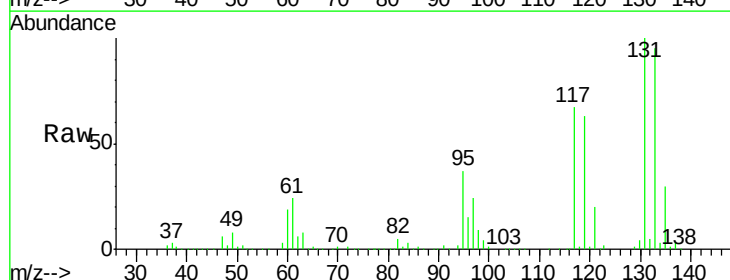
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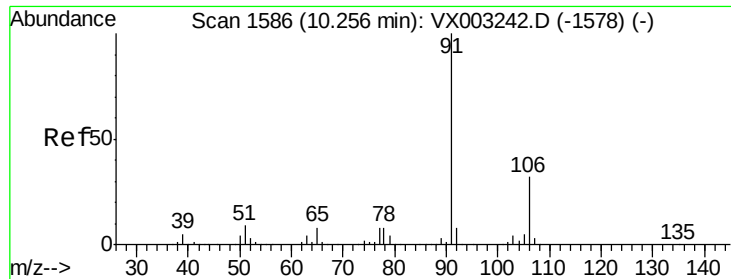
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.010 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion:131 Resp: 176918
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.6
119 64.4 31.8 95.3





#67

Ethyl Benzene

Concen: 49.982 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 861436

Ion Ratio Lower Upper

91 100

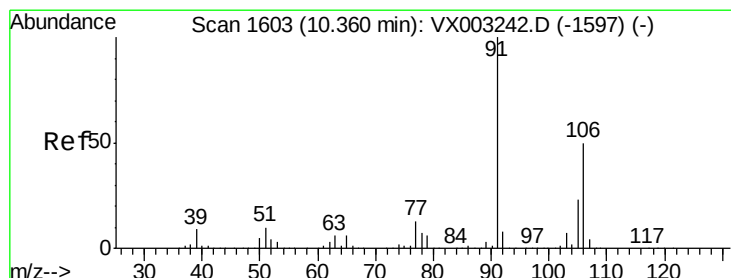
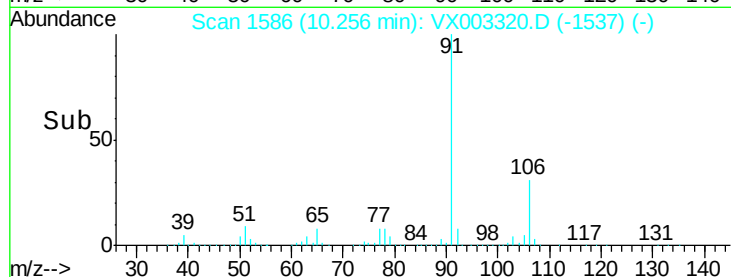
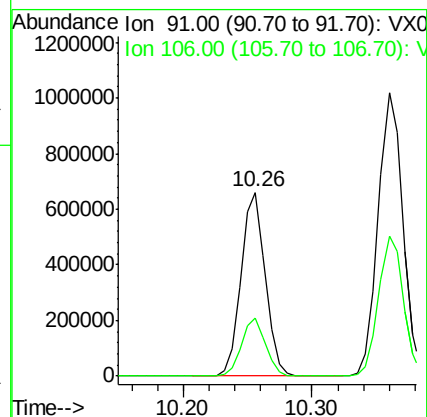
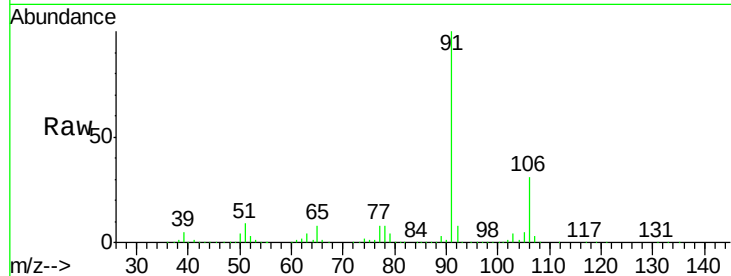
106 31.3 25.5 38.3

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#68

m/p-Xylenes

Concen: 99.676 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003320.D

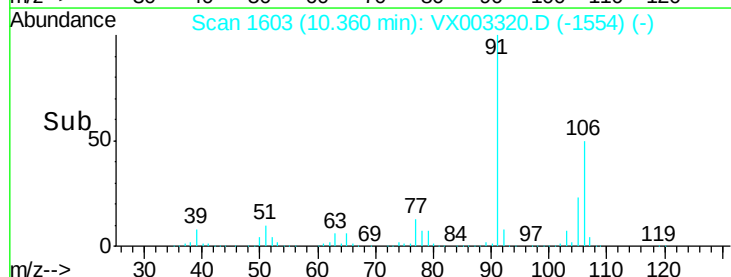
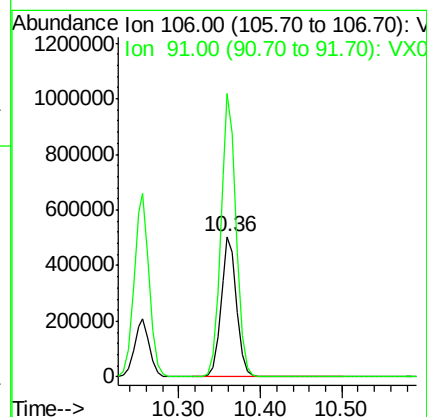
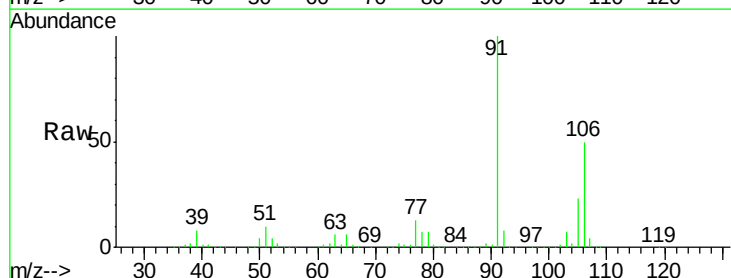
Acq: 11 Jul 2018 15:02

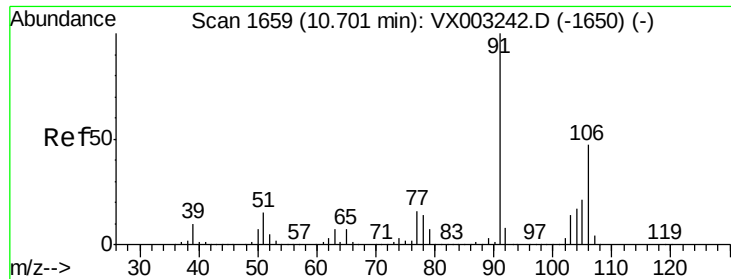
Tgt Ion: 106 Resp: 668294

Ion Ratio Lower Upper

106 100

91 200.9 163.4 245.2





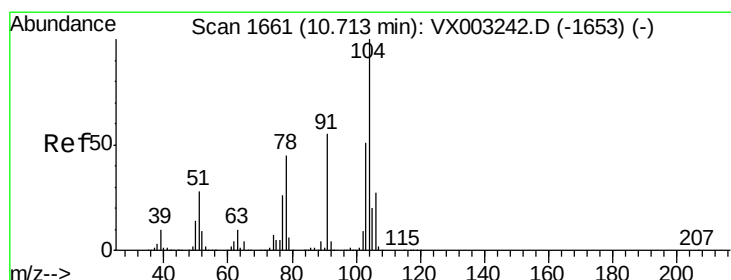
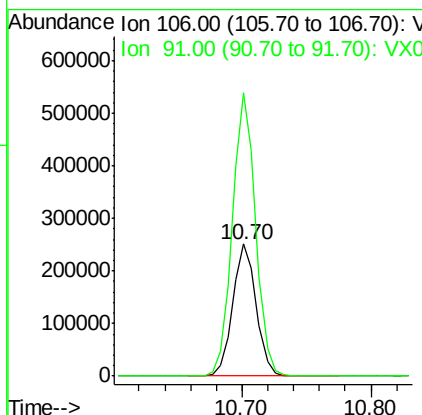
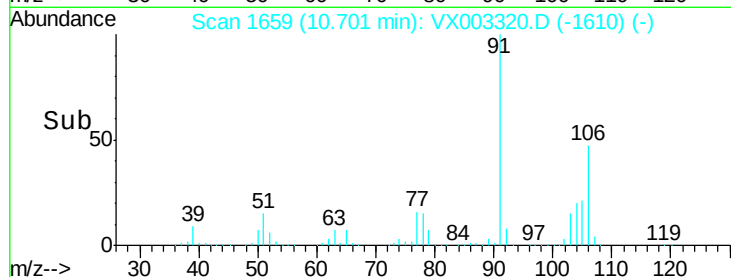
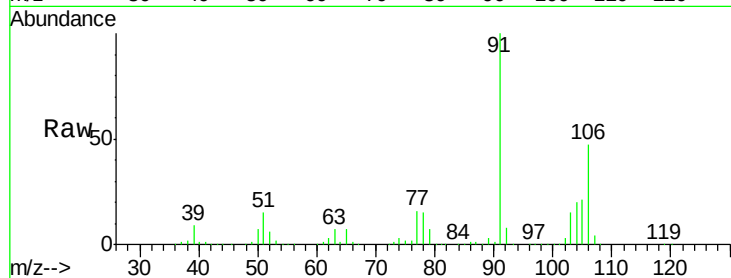
#69
o-Xylene
Concen: 49.124 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 319081
Ion Ratio Lower Upper
106 100
91 212.7 108.2 324.6

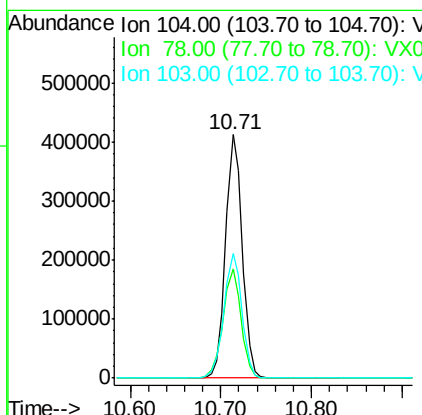
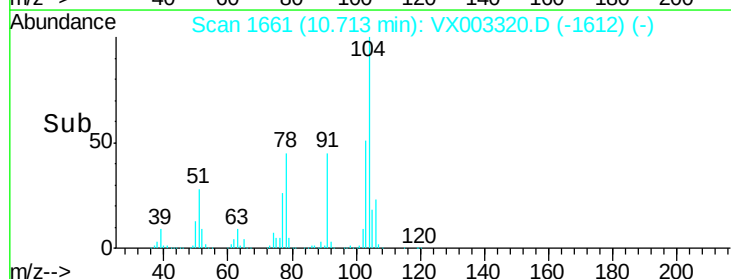
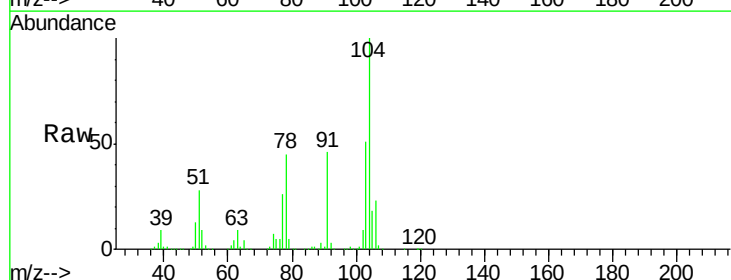
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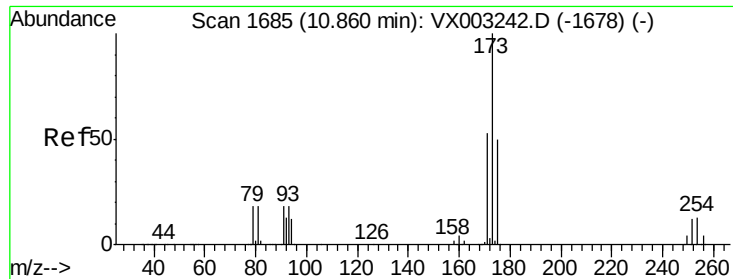
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#70
Styrene
Concen: 50.235 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion:104 Resp: 529101
Ion Ratio Lower Upper
104 100
78 48.8 41.0 61.6
103 55.5 44.2 66.4





#71

Bromoform

Concen: 44.560 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

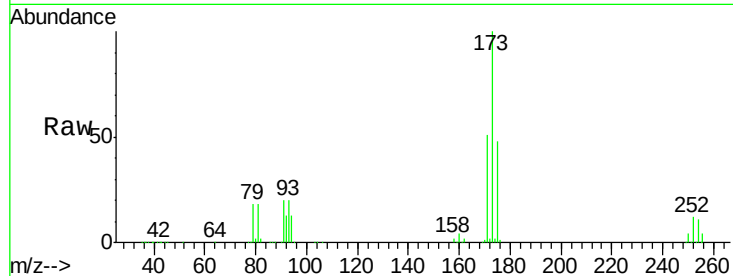
ClientSampleId :

VSTDCCC050

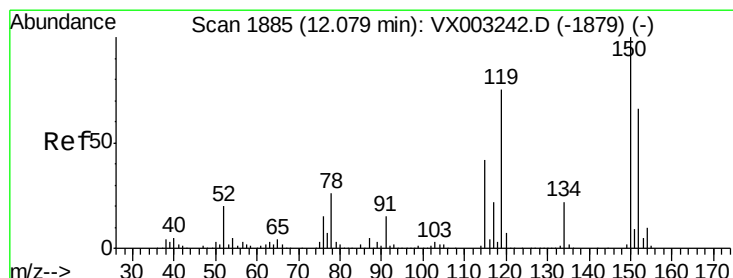
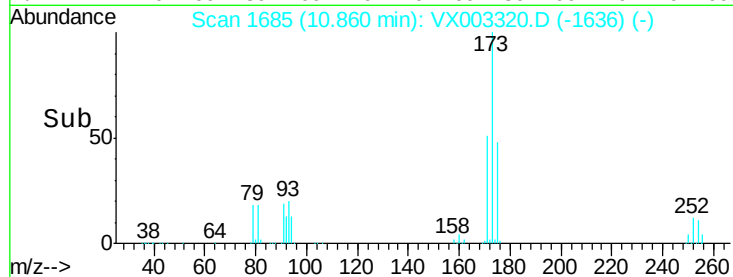
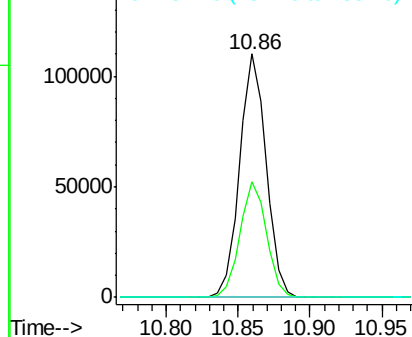
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.7	74.1
254	0.2	0.2	0.2

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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# 1885

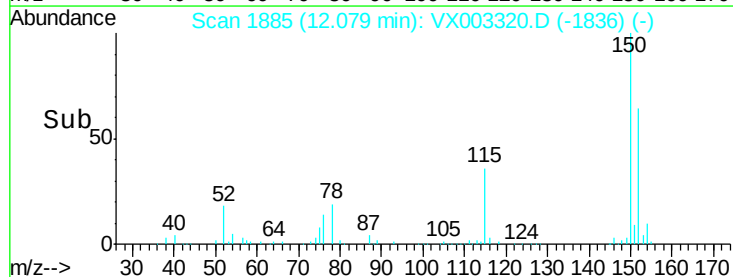
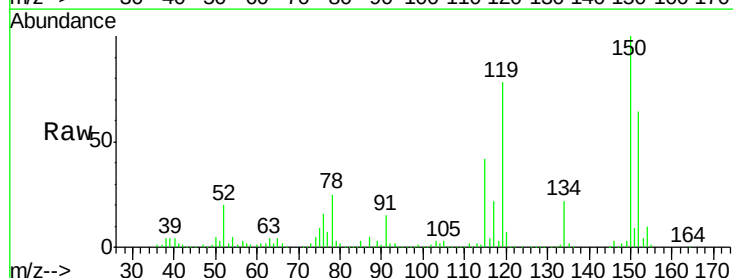
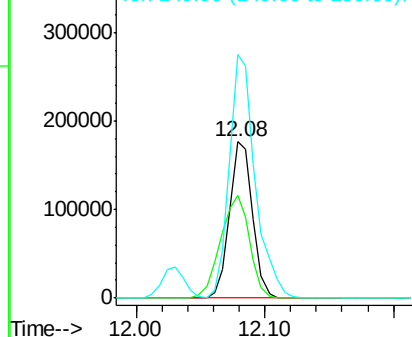
Delta R.T. 0.00 min

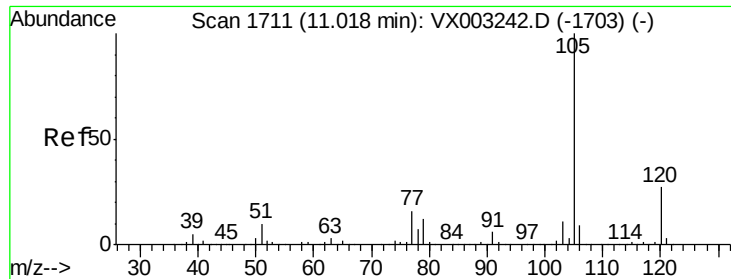
Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.5	40.1	120.2
150	175.2	0.0	347.2

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





#73

Isopropylbenzene

Concen: 49.548 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 865830

Ion Ratio Lower Upper

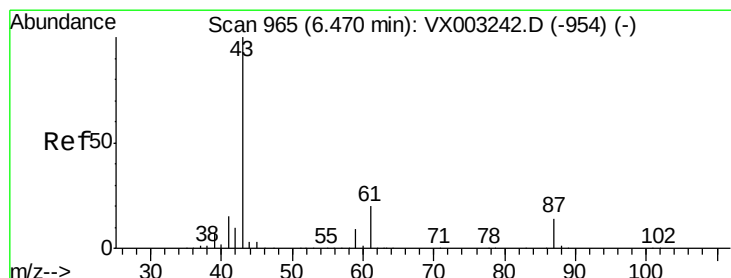
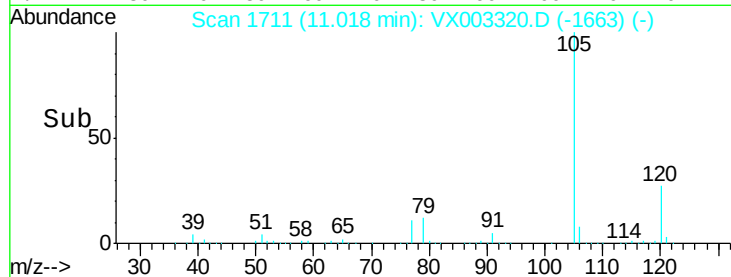
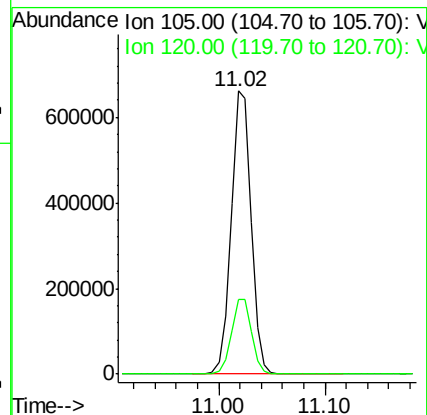
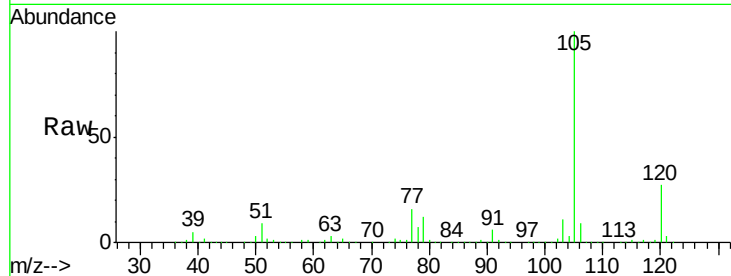
105 100

120 26.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 45.779 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion: 43 Resp: 381621

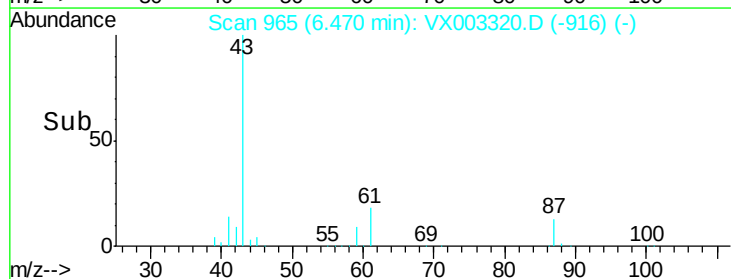
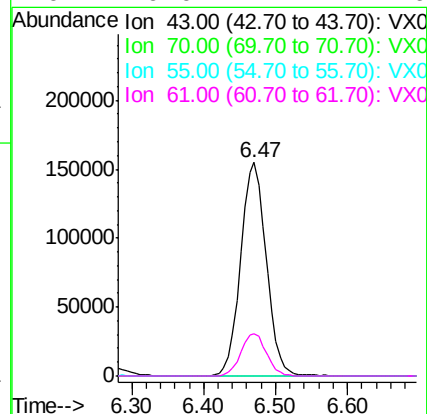
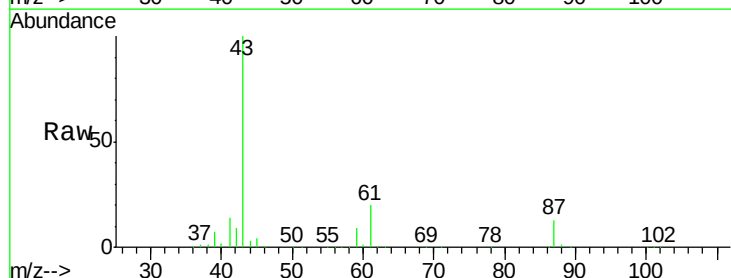
Ion Ratio Lower Upper

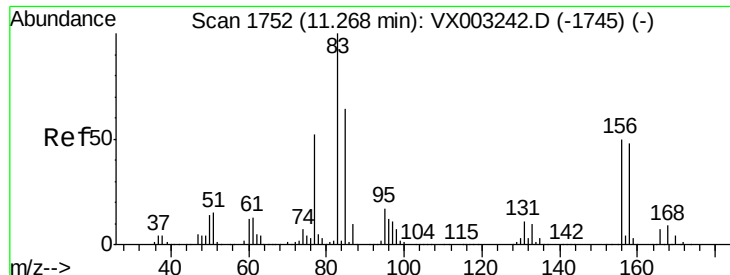
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.946 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

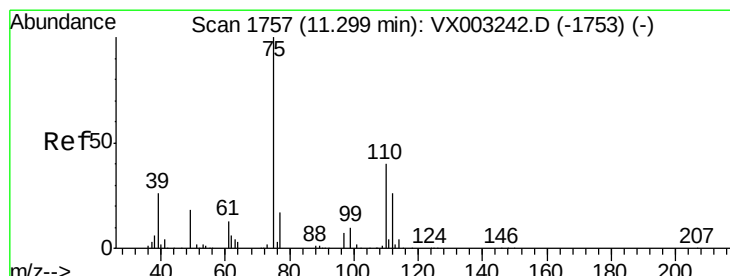
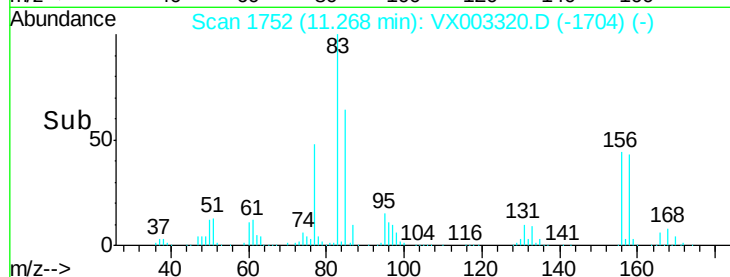
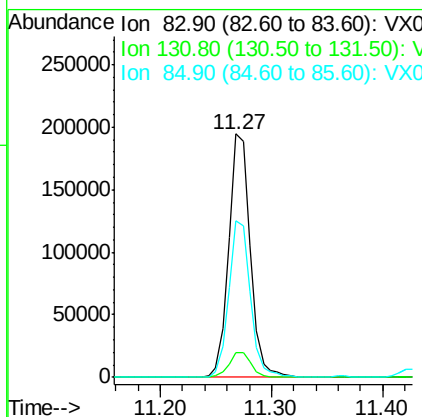
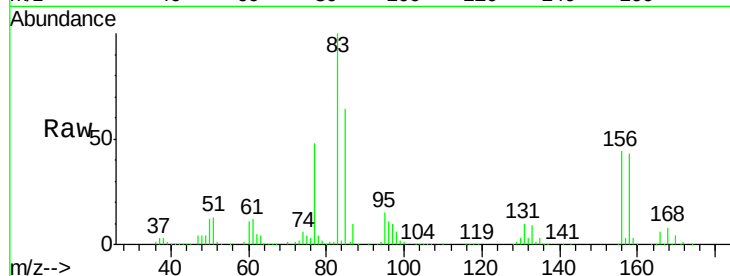
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	259871
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.6	16.8
85	64.5	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 56.825 ug/l m

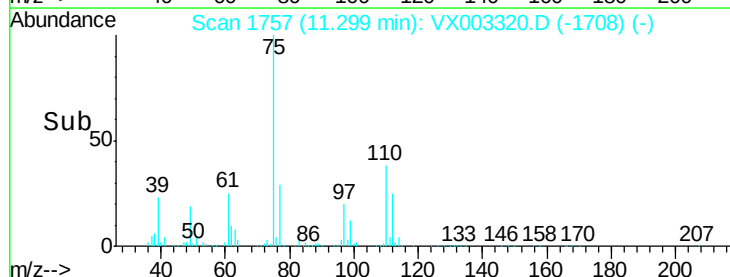
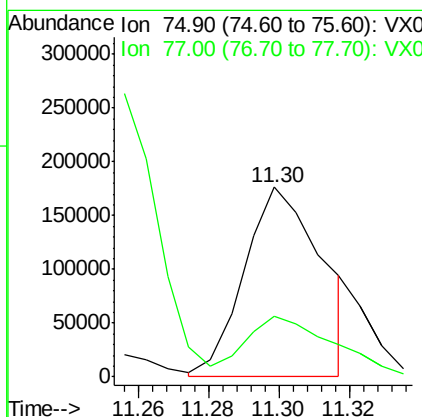
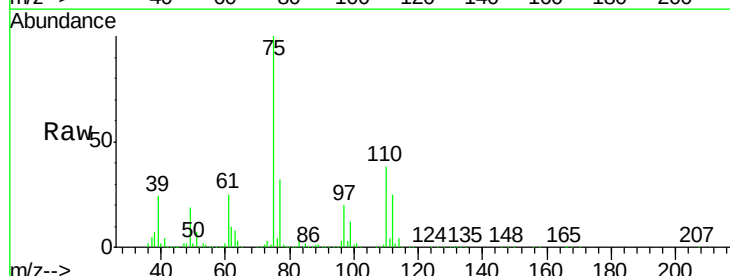
RT: 11.30 min Scan# 1757

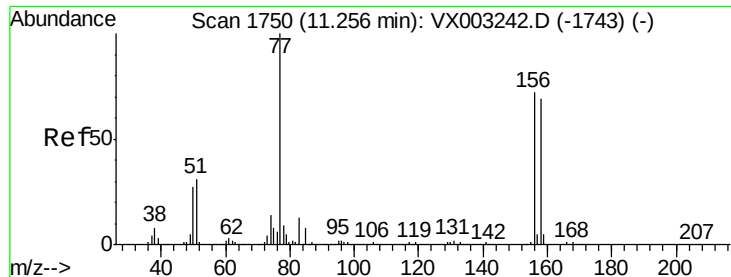
Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion:	75	Resp:	271808
Ion Ratio	Lower	Upper	
75	100		
77	36.3	22.8	68.3





#77

Bromobenzene

Concen: 45.420 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

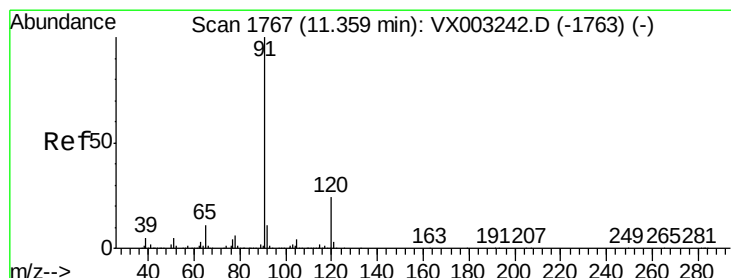
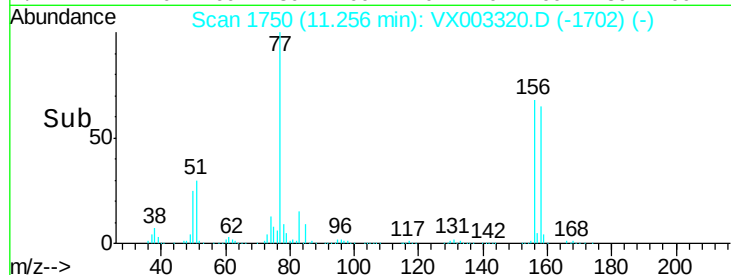
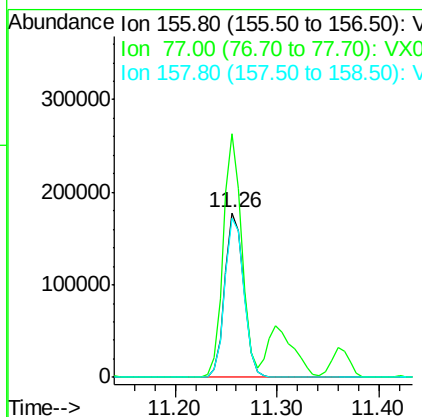
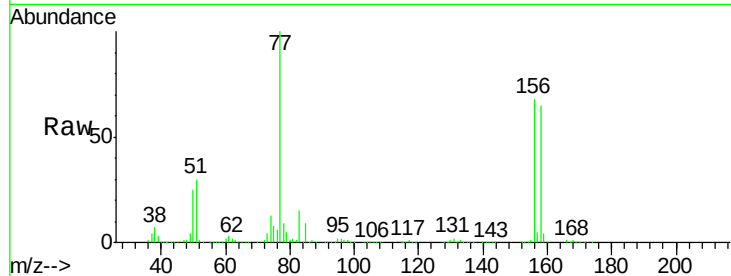
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	229152
Ion Ratio	Lower	Upper	
156	100		
77	144.7	71.4	214.2
158	97.9	48.9	146.6

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#78

n-propylbenzene

Concen: 52.098 ug/l

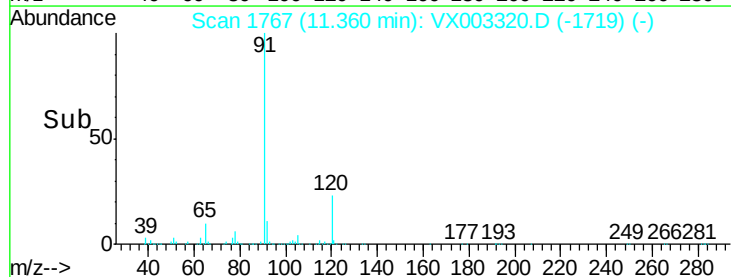
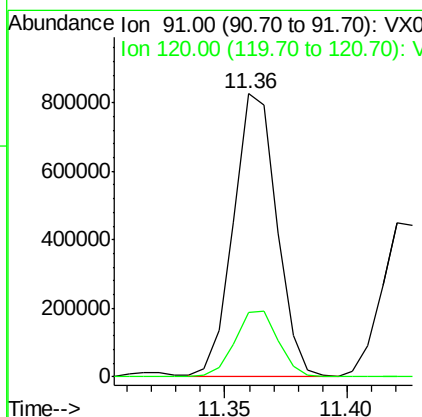
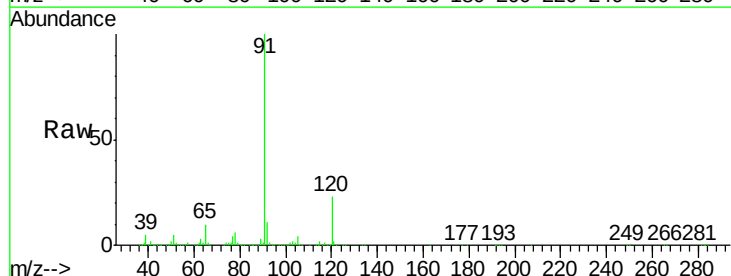
RT: 11.36 min Scan# 1767

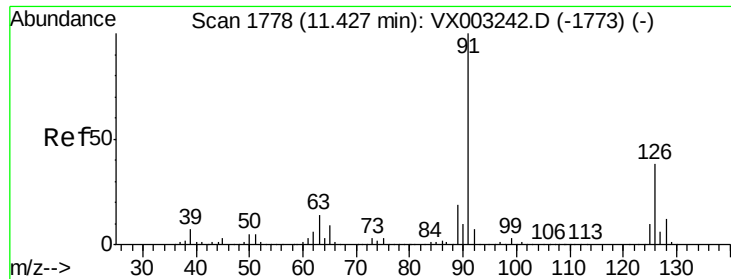
Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion:	91	Resp:	1012199
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4





#79

2-Chlorotoluene

Concen: 49.435 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 585137

Ion Ratio Lower Upper

91 100

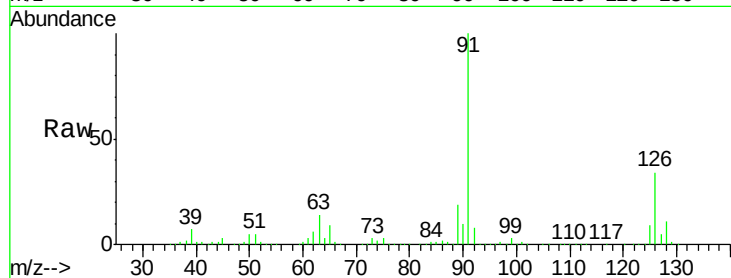
126 35.3 17.7 53.1

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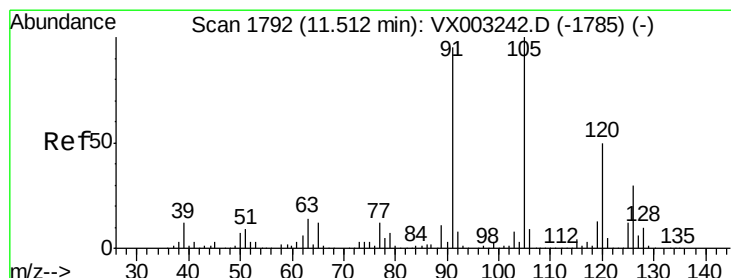
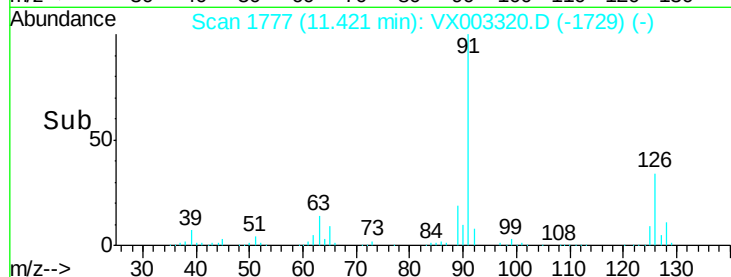
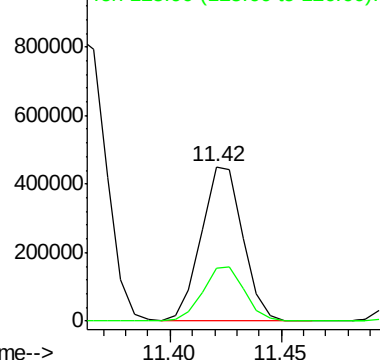
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.813 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003320.D

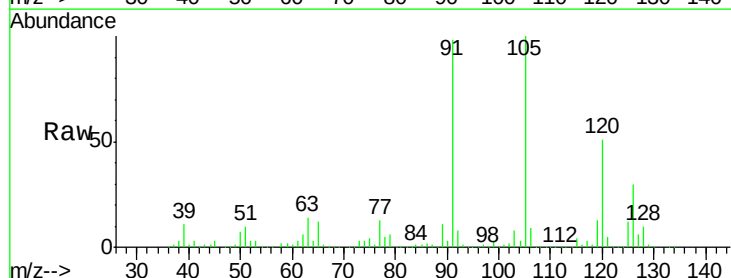
Acq: 11 Jul 2018 15:02

Tgt Ion: 105 Resp: 724822

Ion Ratio Lower Upper

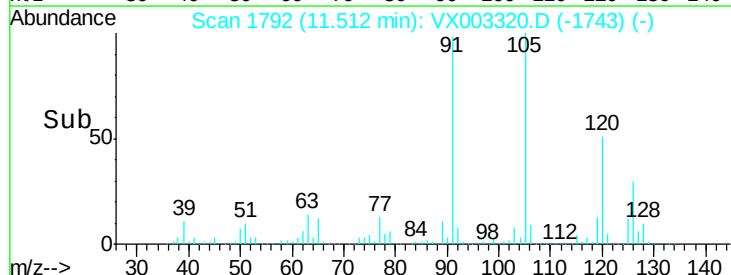
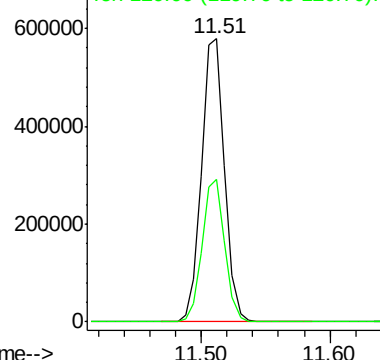
105 100

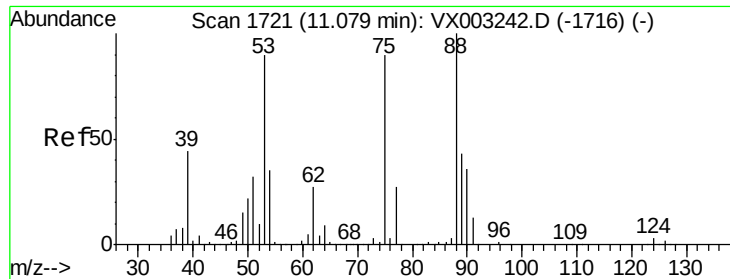
120 49.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





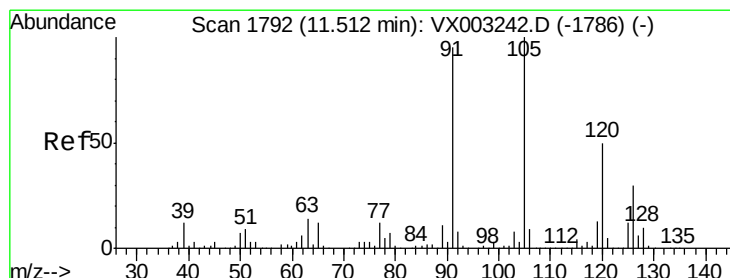
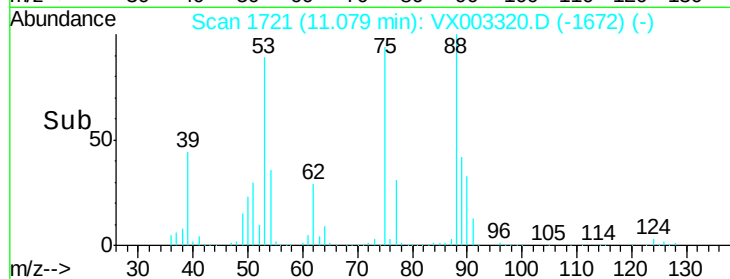
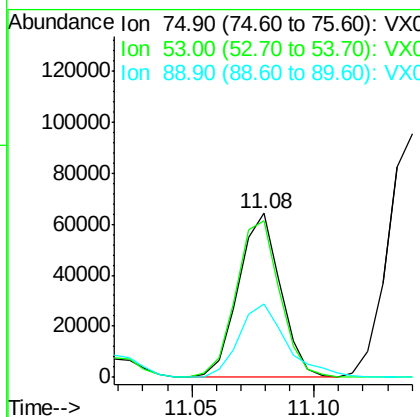
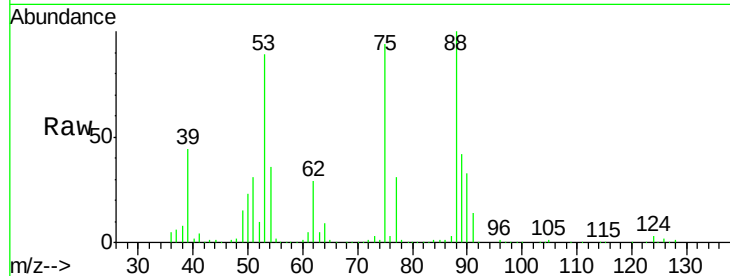
#81
trans-1,4-Dichloro-2-butene
Concen: 52.293 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	86.8	130.2
89	51.8	38.2	57.2

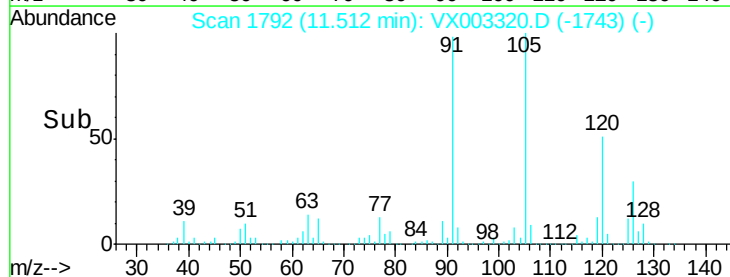
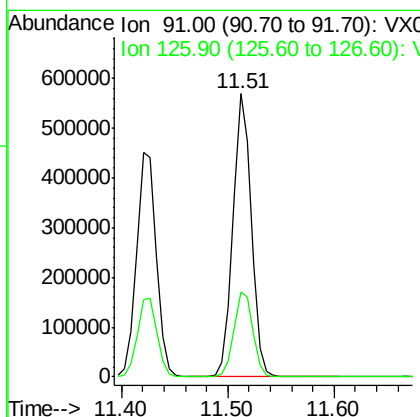
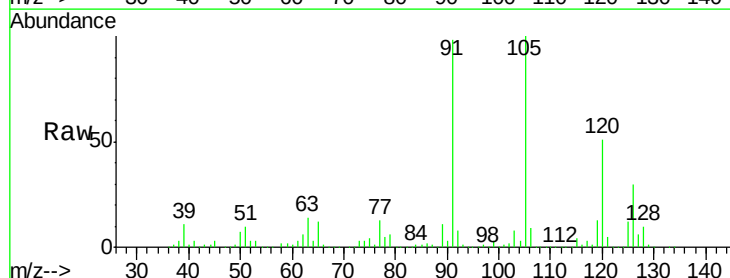
Manual Integrations
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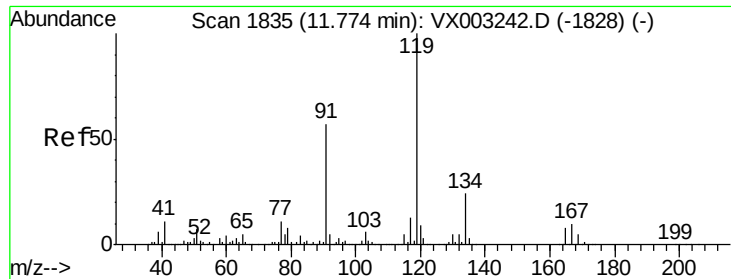
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#82
4-Chlorotoluene
Concen: 50.170 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.4





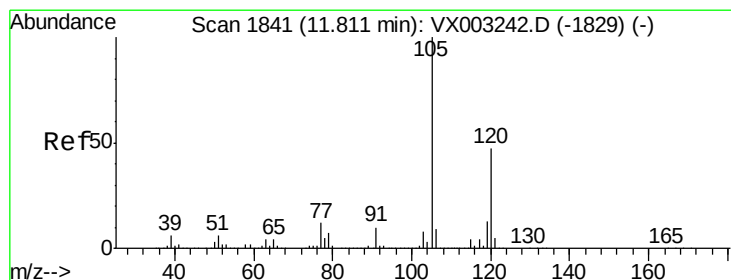
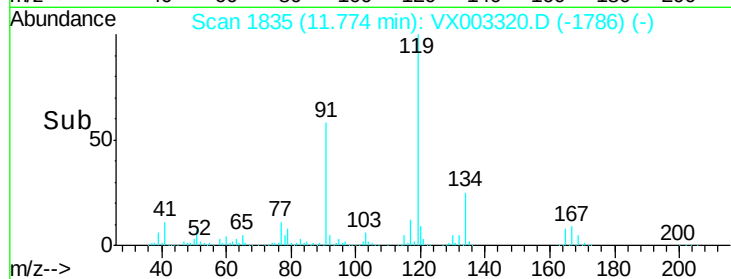
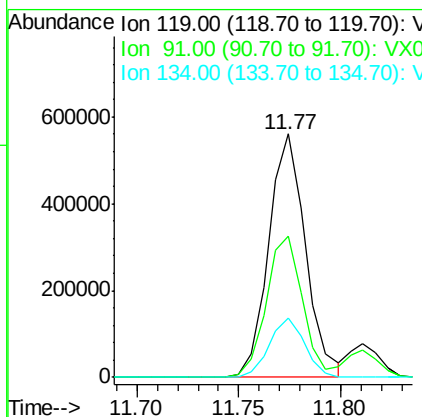
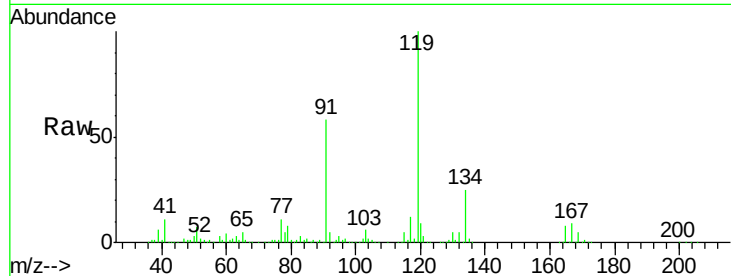
#83
 tert-Butylbenzene
 Concen: 48.606 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.5	30.3	90.9
134	23.5	11.7	35.1

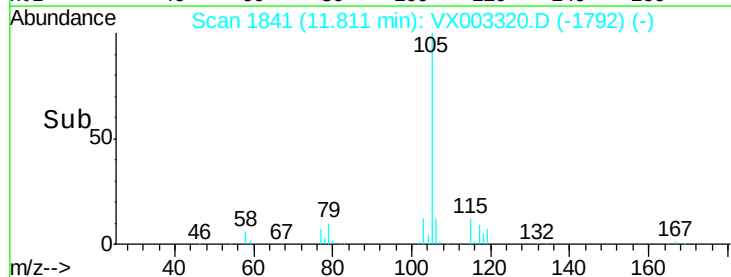
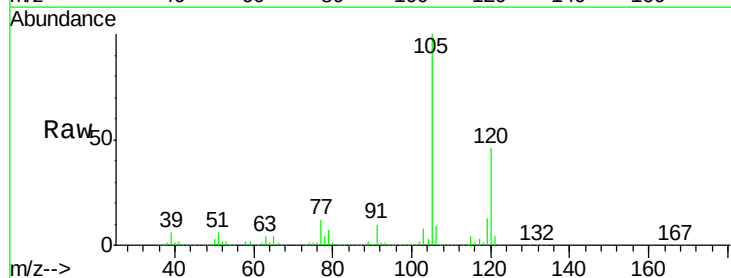
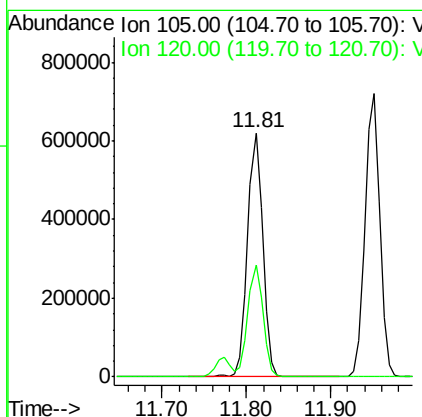
Manual Integrations
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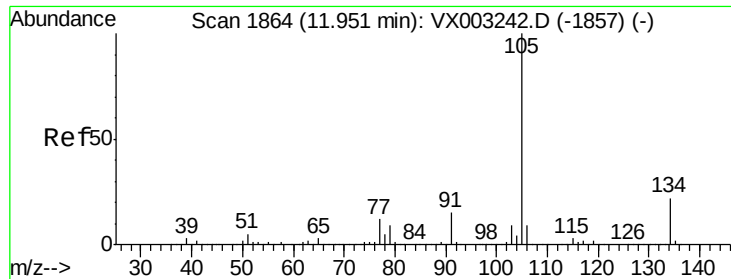
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.939 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.8





#85

sec-Butylbenzene

Concen: 51.286 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 881053

Ion Ratio Lower Upper

105 100

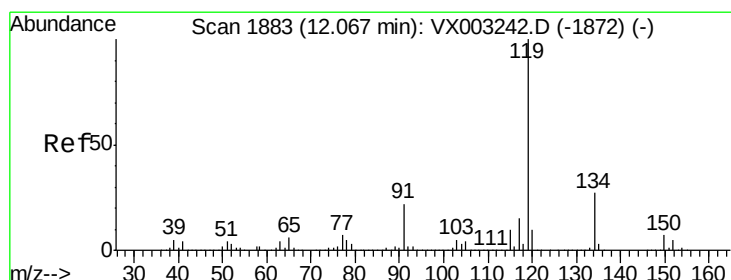
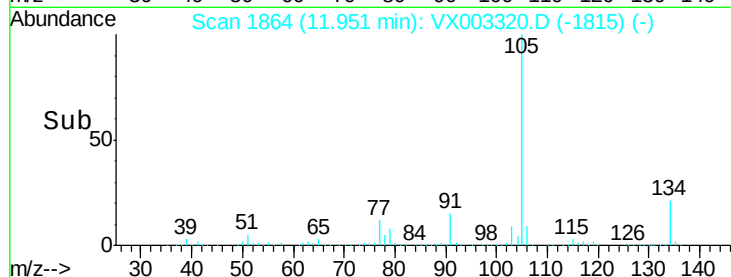
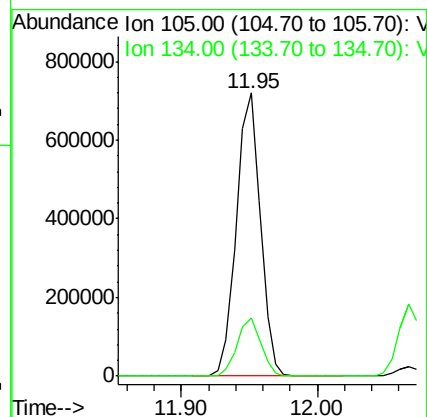
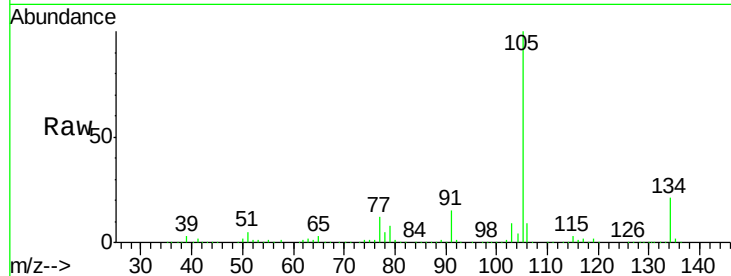
134 20.5 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.806 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

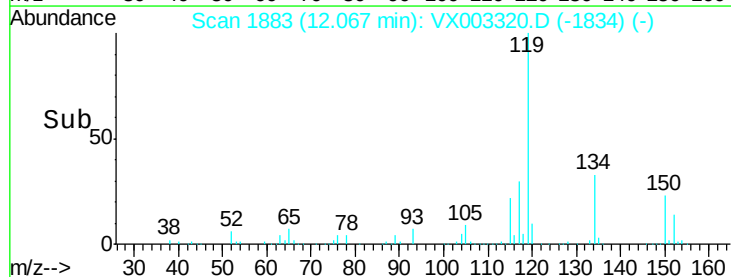
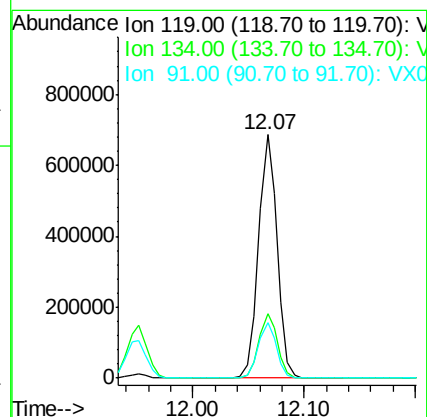
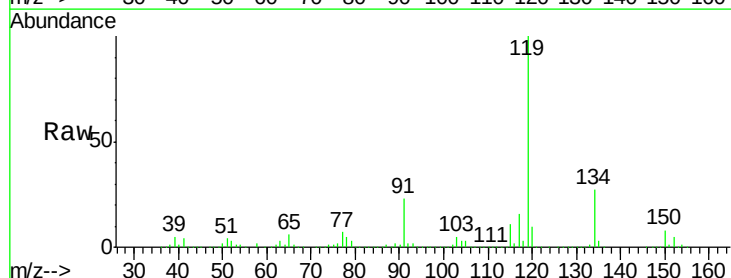
Tgt Ion:119 Resp: 795216

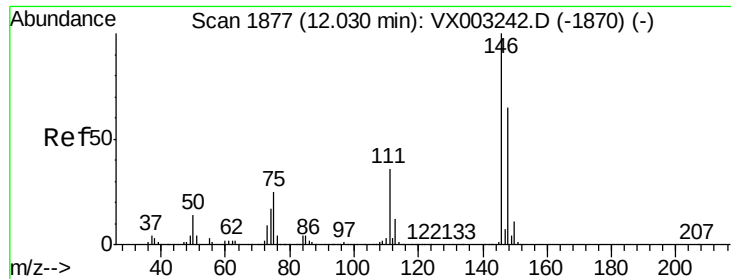
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.6 11.9 35.7





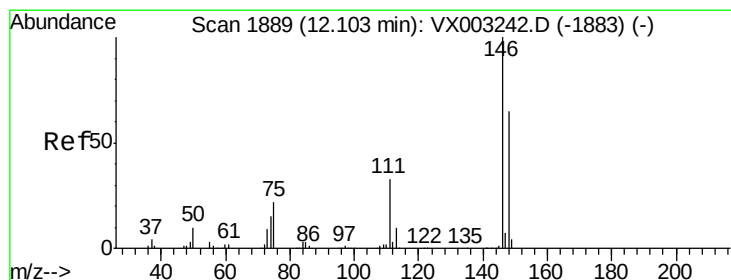
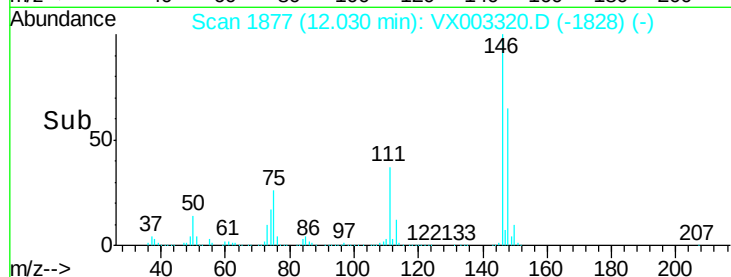
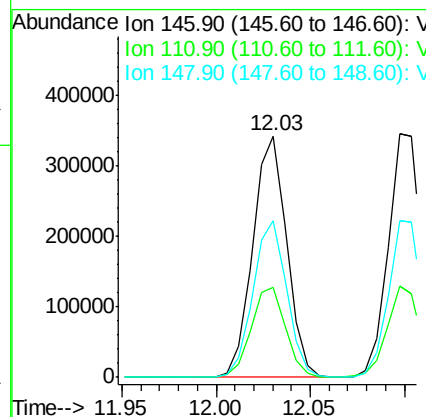
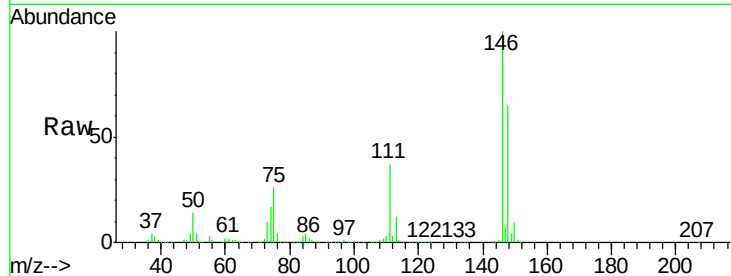
#87
 1,3-Dichlorobenzene
 Concen: 46.219 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	64.4	32.1	96.3

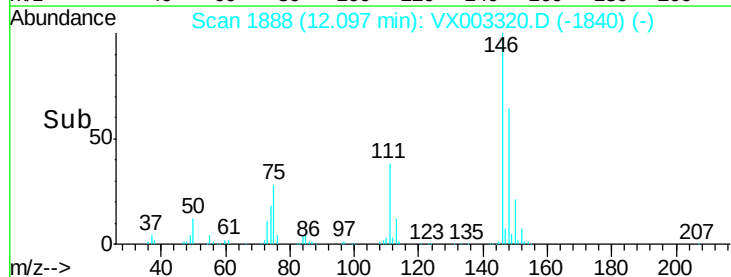
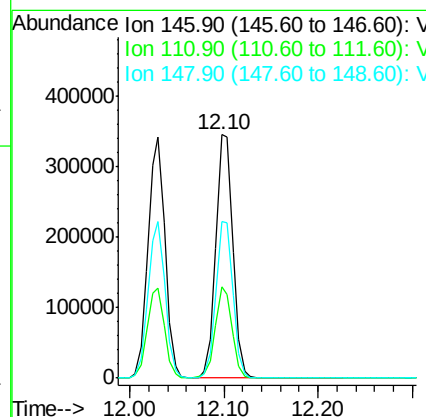
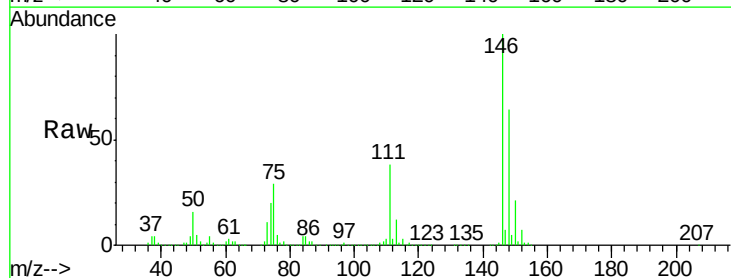
Manual Integrations
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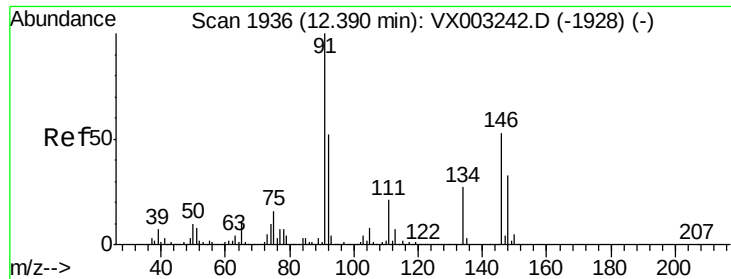
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#88
 1,4-Dichlorobenzene
 Concen: 46.236 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.7	56.1
148	64.2	32.4	97.0





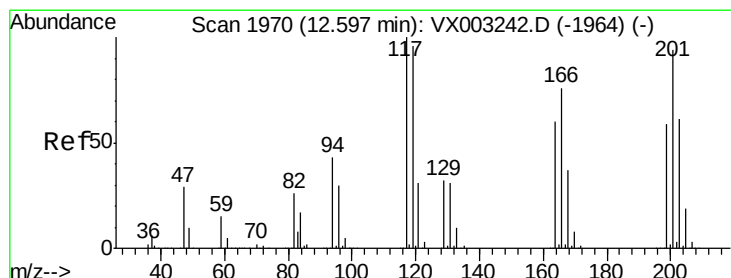
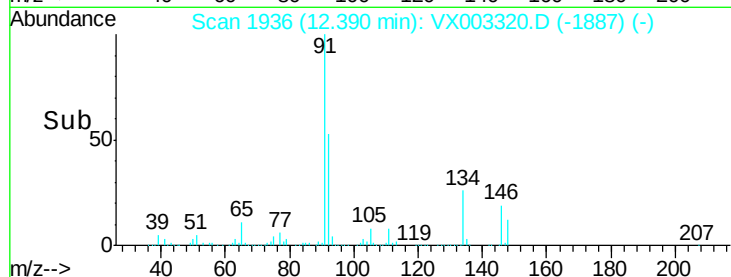
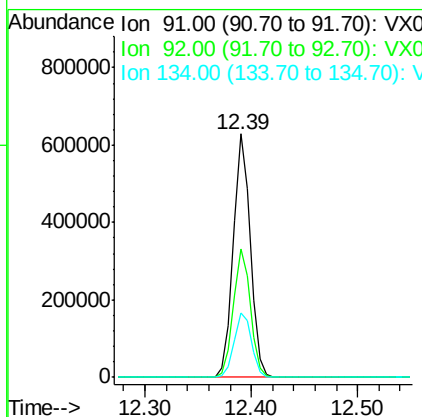
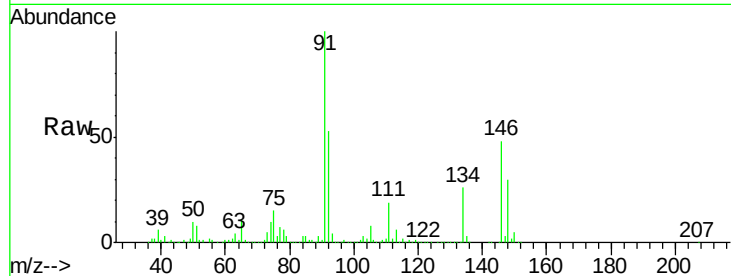
#89
n-Butylbenzene
Concen: 54.267 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	27.0	13.5	40.5

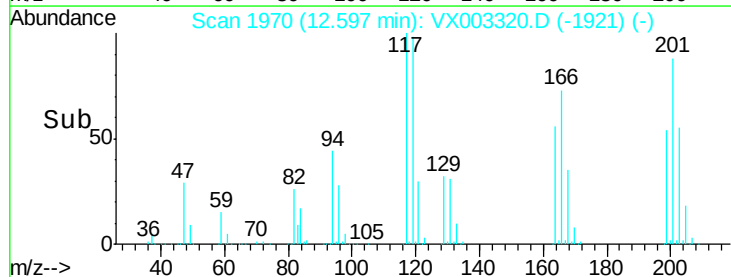
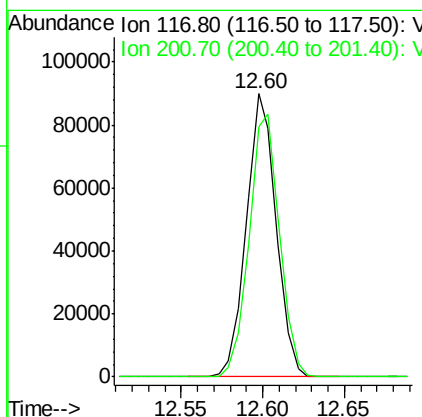
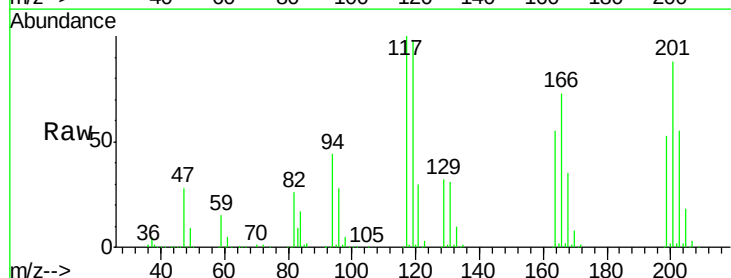
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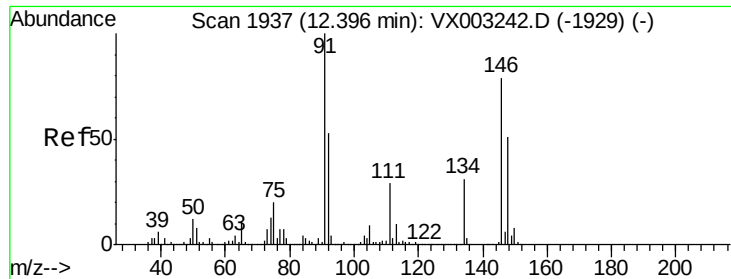
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#90
Hexachloroethane
Concen: 47.882 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	49.0	147.0





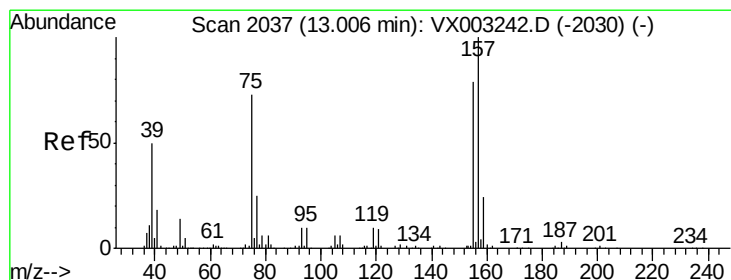
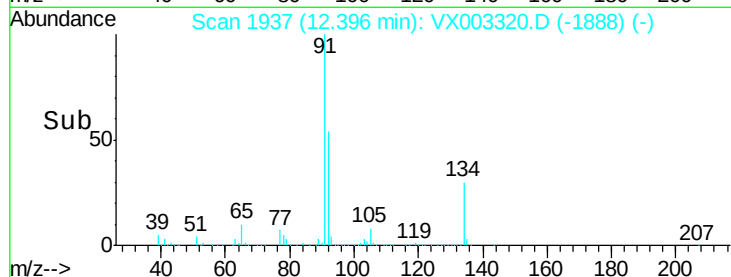
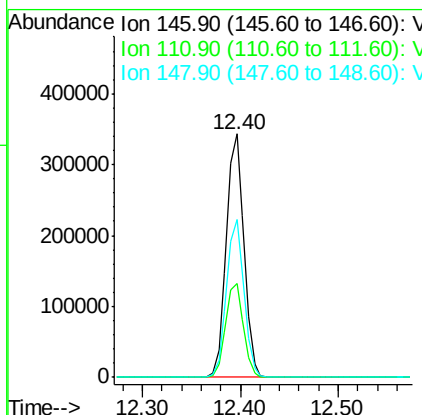
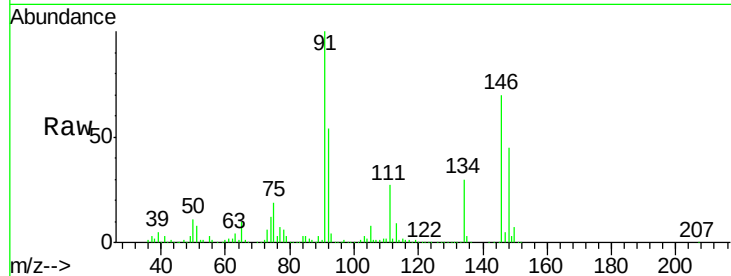
#91
1,2-Dichlorobenzene
Concen: 46.277 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	64.1	31.7	95.1

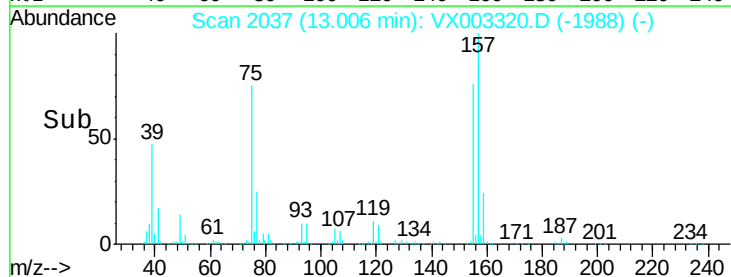
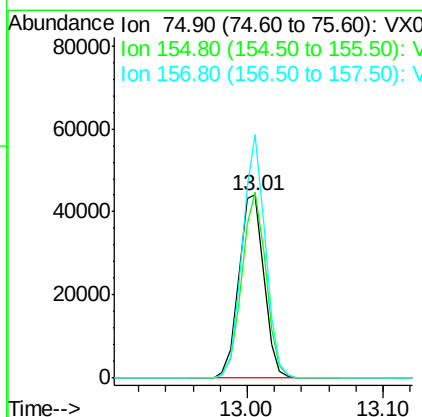
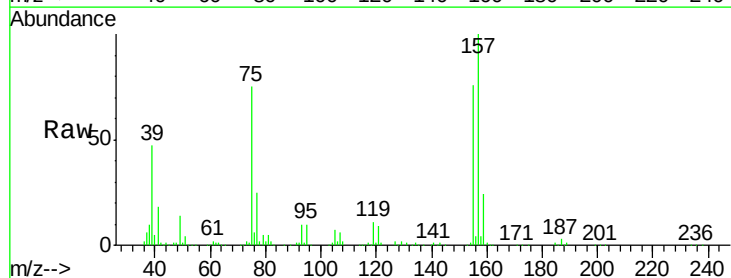
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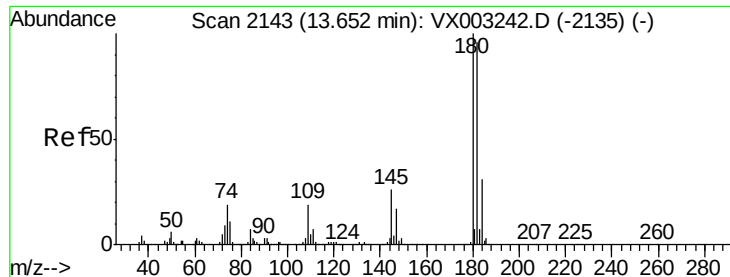
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#92
1,2-Dibromo-3-Chloropropane
Concen: 48.566 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VX003320.D
Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	45.8	137.4
157	121.7	60.1	180.3





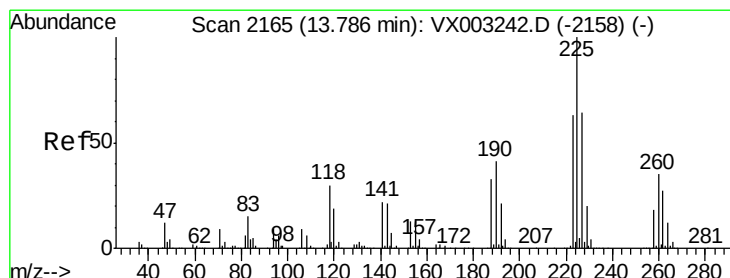
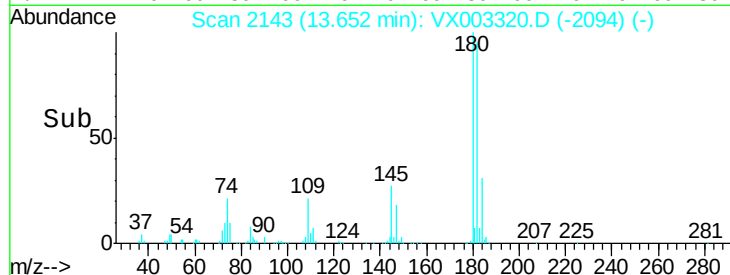
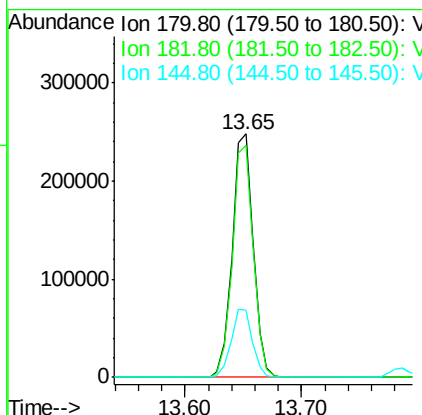
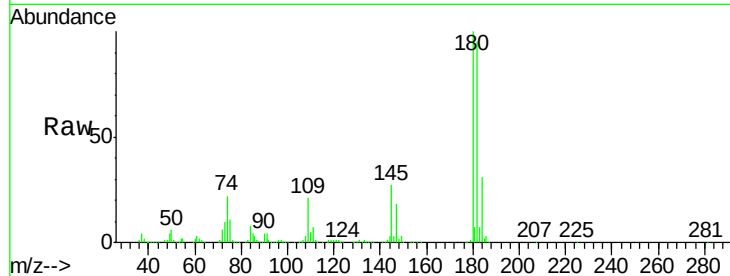
#93
 1,2,4-Trichlorobenzene
 Concen: 45.871 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	310247		
182	95.3	47.7	143.1	
145	28.1	14.1	42.4	

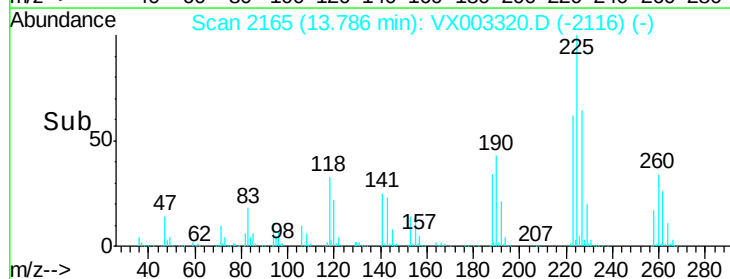
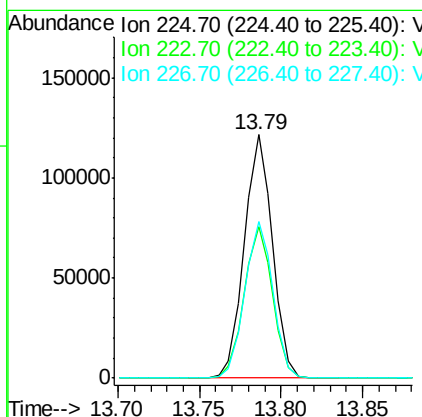
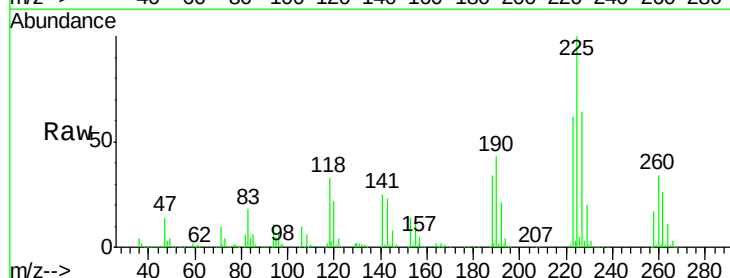
Manual Integrations
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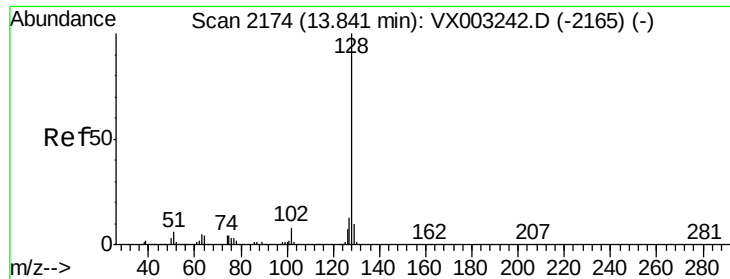
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#94
 Hexachlorobutadiene
 Concen: 43.418 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003320.D
 Acq: 11 Jul 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	146194		
223	62.5	31.6	95.0	
227	64.3	32.4	97.2	





#95

Naphthalene

Concen: 50.166 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Instrument :

MSVOA_X

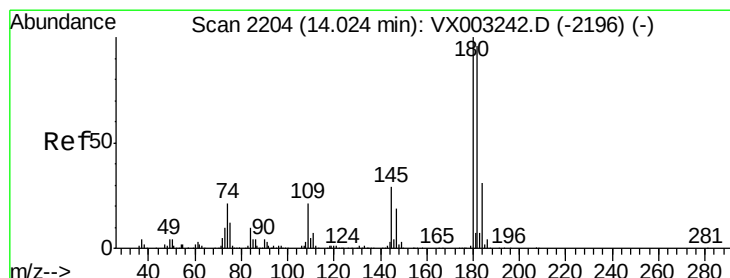
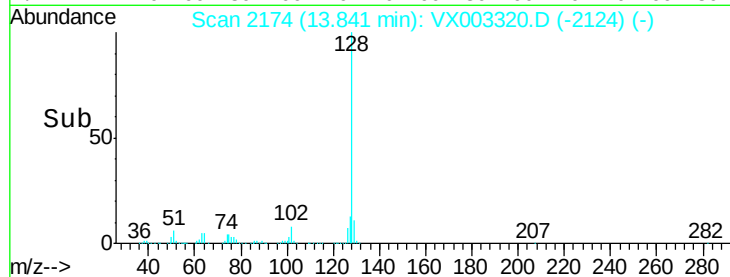
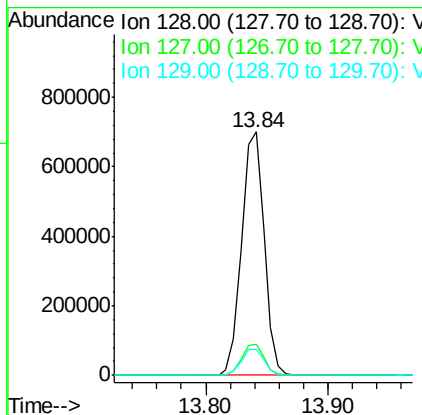
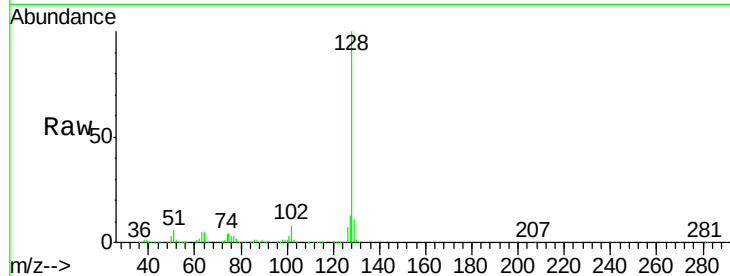
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	887725
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/12/2018 10:59:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.396 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003320.D

Acq: 11 Jul 2018 15:02

Tgt Ion:	180	Resp:	312961
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.0	144.0
145	30.0	14.8	44.3

