

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\
 Data File : VX004834.D
 Acq On : 28 Sep 2018 20:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:31:29 PM

Quant Time: Sep 29 07:25:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205527	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	165837	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	5.50	113	134702	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
50) Toluene-d8	8.72	98	513408	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.14	95	190728	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	184100	58.885	ug/l	97
3) Chloromethane	1.32	50	197350	52.029	ug/l	98
4) Vinyl Chloride	1.40	62	196103	55.123	ug/l	98
5) Bromomethane	1.64	94	87650	41.548	ug/l	100
6) Chloroethane	1.71	64	112994	58.685	ug/l	96
7) Trichlorofluoromethane	1.92	101	251059	57.004	ug/l	96
8) Diethyl Ether	2.19	74	100750	52.657	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	139445	55.583	ug/l	99
10) Methyl Iodide	2.51	142	104584	31.153	ug/l	99
11) Tert butyl alcohol	3.08	59	242265	264.519	ug/l	99
12) 1,1-Dichloroethene	2.37	96	133963	53.919	ug/l	93
13) Acrolein	2.29	56	119170	182.877	ug/l	96
14) Allyl chloride	2.73	41	301293	55.579	ug/l	94
15) Acrylonitrile	3.15	53	543066	269.354	ug/l	99
16) Acetone	2.45	43	473836	247.780	ug/l	96
17) Carbon Disulfide	2.57	76	388463	52.033	ug/l	99
18) Methyl Acetate	2.78	43	281104	58.018	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	485281	56.626	ug/l	96
20) Methylene Chloride	2.85	84	154885	55.803	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	143606	52.801	ug/l	95
22) Diisopropyl ether	3.87	45	512645	56.159	ug/l	95
23) Vinyl Acetate	3.82	43	2272917	272.013	ug/l	96
24) 1,1-Dichloroethane	3.70	63	289328	53.134	ug/l	95
25) 2-Butanone	4.70	43	731034	259.340	ug/l	94
26) 2,2-Dichloropropane	4.58	77	186230	49.113	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	158597	52.199	ug/l	95
28) Bromochloromethane	5.01	49	128767	50.216	ug/l	89
29) Tetrahydrofuran	5.15	42	480561	274.293	ug/l	92
30) Chloroform	5.21	83	266424	51.770	ug/l	98
31) Cyclohexane	5.57	56	244676	58.708	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	224704	53.464	ug/l	99
36) 1,1-Dichloropropene	5.79	75	199823	49.707	ug/l	99
37) Ethyl Acetate	4.86	43	261633	49.030	ug/l	98
38) Carbon Tetrachloride	5.78	117	199454	47.200	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	233973	56.999	ug/l	95
40) Benzene	6.14	78	605734	48.130	ug/l	100
41) Methacrylonitrile	5.06	41	150237	50.768	ug/l #	58
42) 1,2-Dichloroethane	6.20	62	214954	48.315	ug/l	97
43) Isopropyl Acetate	6.46	43	393779	51.128	ug/l	96
44) Trichloroethene	7.21	130	158143	51.115	ug/l	92
45) 1,2-Dichloropropane	7.52	63	162096	52.521	ug/l	99
46) Dibromomethane	7.66	93	103656	53.441	ug/l	97
47) Bromodichloromethane	7.90	83	197609	54.415	ug/l	97
48) Methyl methacrylate	7.77	41	205712	58.846	ug/l	94
49) 1,4-Dioxane	7.76	88	89104	1025.969	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1401601	289.022	ug/l	95
52) Toluene	8.79	92	377622	54.606	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	222013	54.100	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	244364	56.851	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	154752	51.087	ug/l	98
56) Ethyl methacrylate	9.18	69	248815	50.583	ug/l	94
57) 1,3-Dichloropropane	9.37	76	264052	52.375	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	676516	258.670	ug/l	93
59) 2-Hexanone	9.50	43	1102375	272.788	ug/l	94
60) Dibromochloromethane	9.59	129	159701	52.717	ug/l	100
61) 1,2-Dibromoethane	9.67	107	161785	49.870	ug/l	100
64) Tetrachloroethene	9.34	164	151254	46.376	ug/l	97
65) Chlorobenzene	10.14	112	418155	49.210	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	150360	50.333	ug/l	99
67) Ethyl Benzene	10.26	91	722577	53.561	ug/l	98
68) m/p-Xylenes	10.36	106	557877	105.824	ug/l	95
69) o-Xylene	10.70	106	269095	55.574	ug/l	96
70) Styrene	10.71	104	460526	50.816	ug/l	98
71) Bromoform	10.86	173	130561	51.050	ug/l	99
73) Isopropylbenzene	11.02	105	726212	56.058	ug/l	99
74) N-amyl acetate	10.90	43	361985	50.808	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	257540	48.837	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	235696m	51.165	ug/l	
77) Bromobenzene	11.26	156	194076	51.578	ug/l	97
78) n-propylbenzene	11.36	91	838370	56.403	ug/l	99
79) 2-Chlorotoluene	11.42	91	498527	53.808	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	620730	52.288	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	73685	43.879	ug/l	100
82) 4-Chlorotoluene	11.51	91	591794	54.267	ug/l	99
83) tert-Butylbenzene	11.77	119	606133	56.829	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	638761	52.175	ug/l	98
85) sec-Butylbenzene	11.94	105	733420	56.454	ug/l	98
86) p-Isopropyltoluene	12.07	119	663075	56.334	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	356743	50.773	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	358768	49.464	ug/l	98
89) n-Butylbenzene	12.39	91	592203	55.399	ug/l	97
90) Hexachloroethane	12.60	117	105318	53.741	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	362969	49.433	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	61957	53.509	ug/l	96

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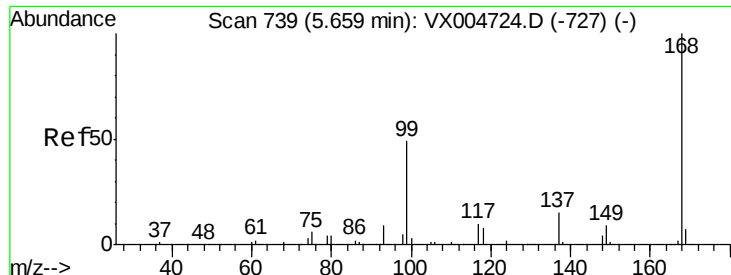
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	269817	52.384	ug/l	99
94) Hexachlorobutadiene	13.79	225	127382	47.692	ug/l	97
95) Naphthalene	13.83	128	872328	51.011	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	277450	52.144	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 229299

Ion Ratio Lower Upper

168 100

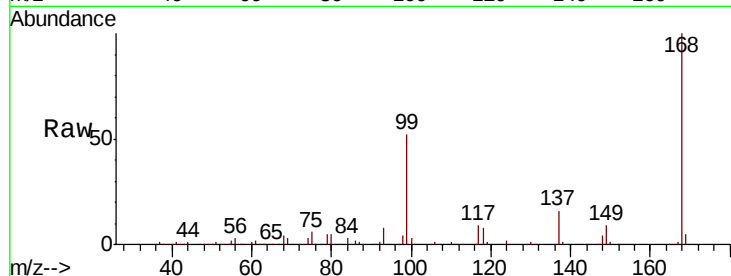
99 52.1 39.9 59.9

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

5.67

80000

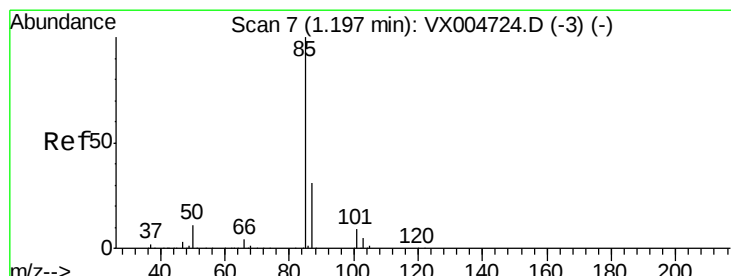
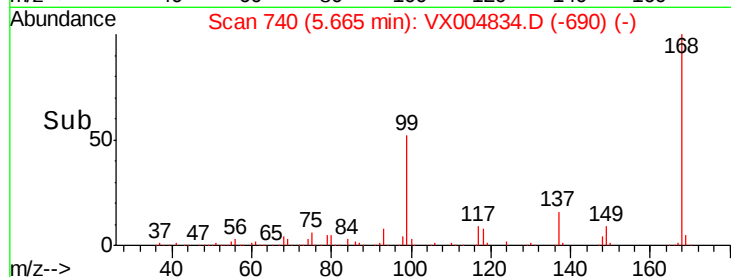
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 58.885 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004834.D

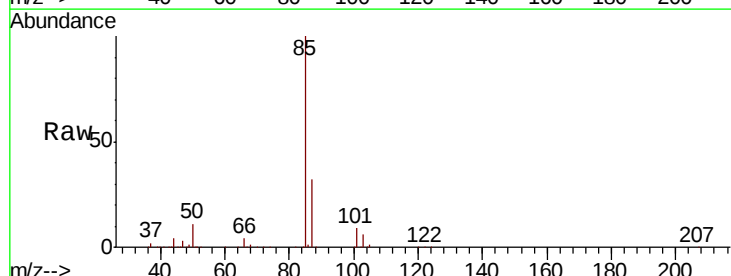
Acq: 28 Sep 2018 20:59

Tgt Ion: 85 Resp: 184100

Ion Ratio Lower Upper

85 100

87 32.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

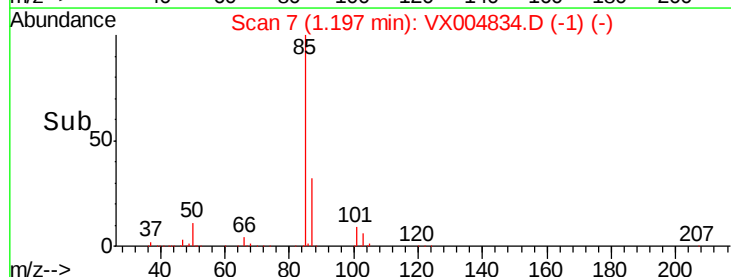
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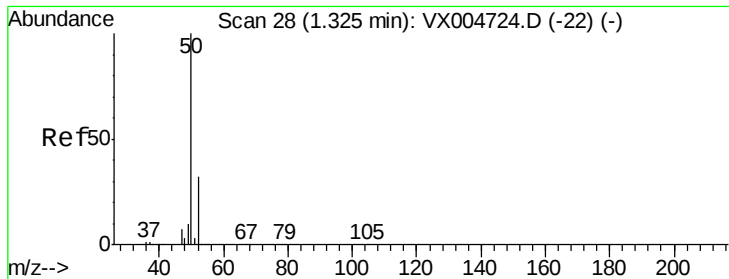
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 52.029 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 197350

Ion Ratio Lower Upper

50 100

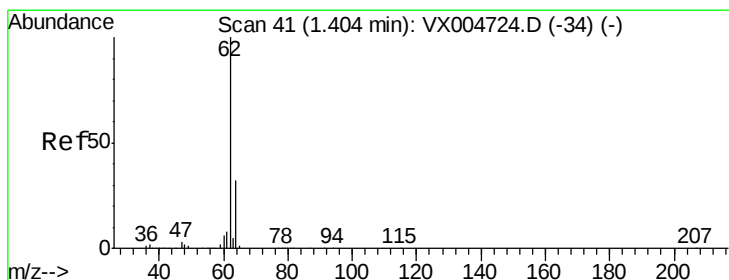
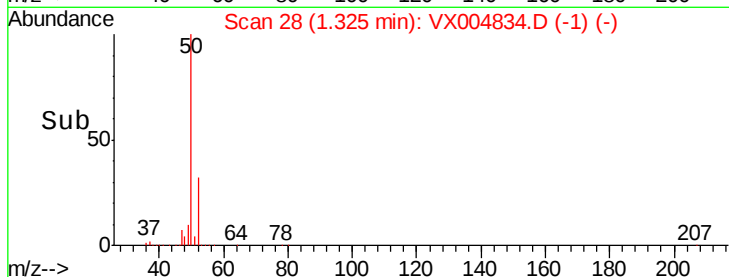
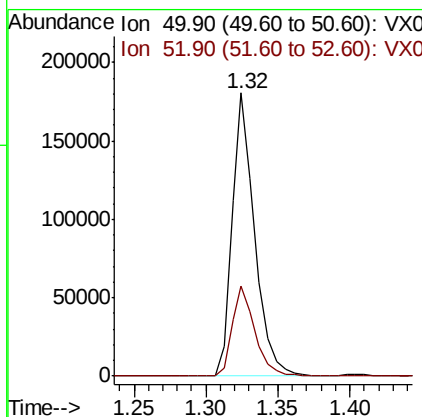
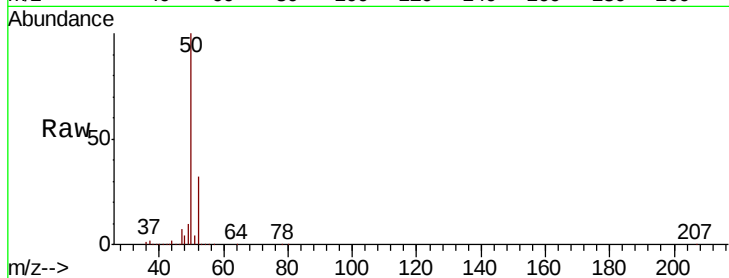
52 31.6 26.2 39.2

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#4

Vinyl Chloride

Concen: 55.123 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004834.D

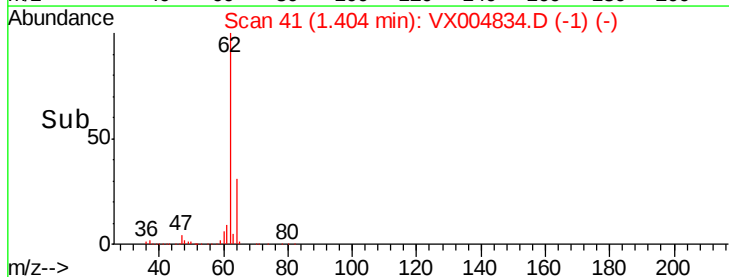
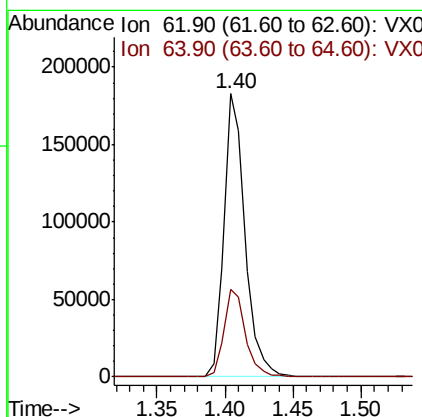
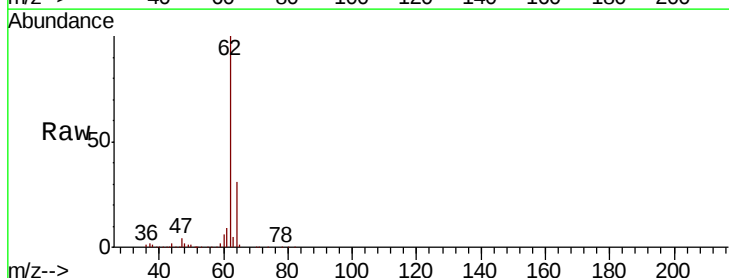
Acq: 28 Sep 2018 20:59

Tgt Ion: 62 Resp: 196103

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 41.548 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 87650

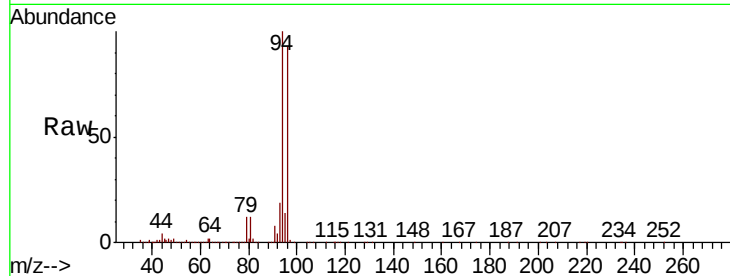
Ion Ratio Lower Upper

94 100

96 92.6 74.5 111.7

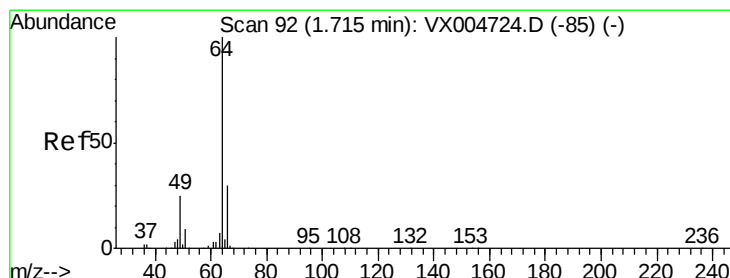
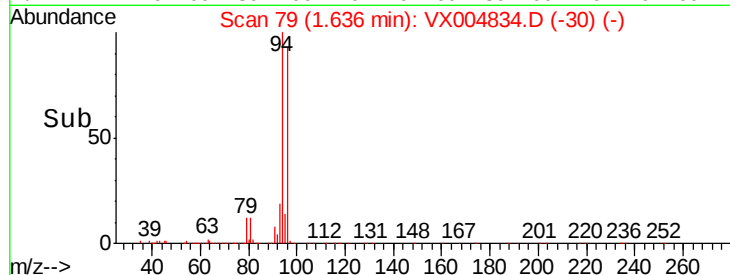
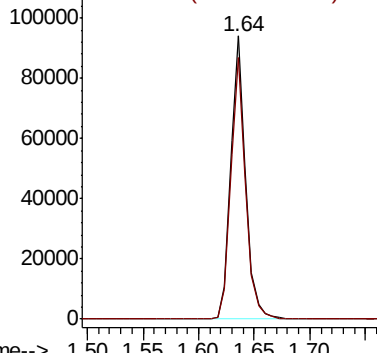
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 58.685 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004834.D

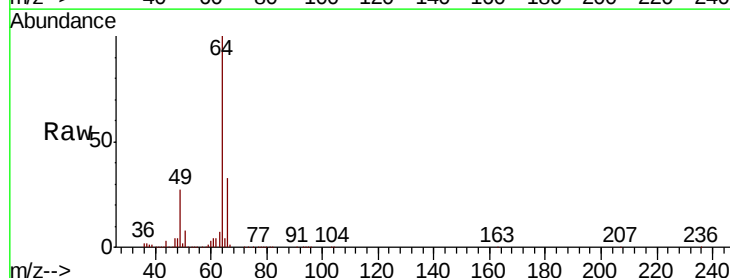
Acq: 28 Sep 2018 20:59

Tgt Ion: 64 Resp: 112994

Ion Ratio Lower Upper

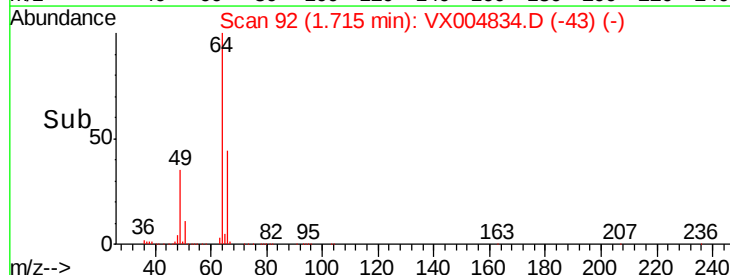
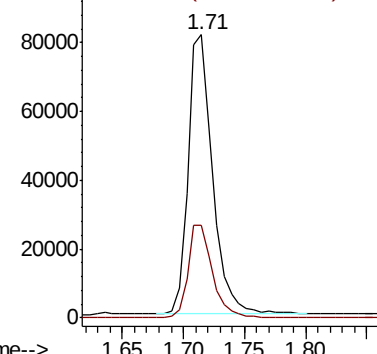
64 100

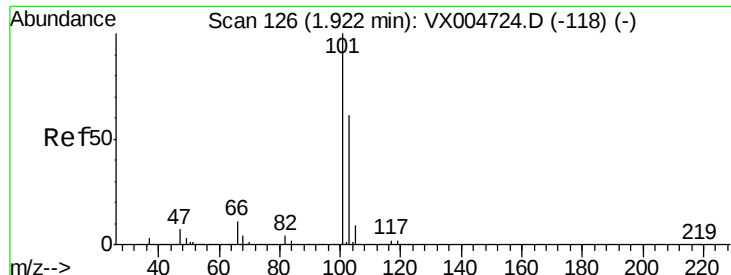
66 32.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

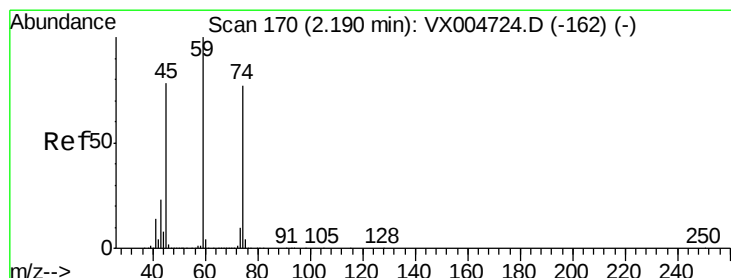
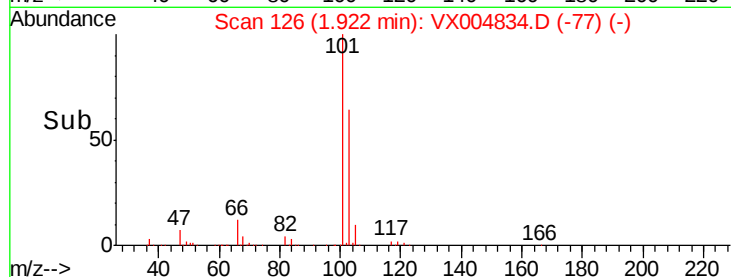
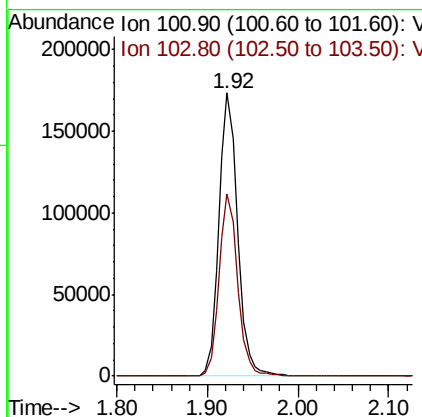
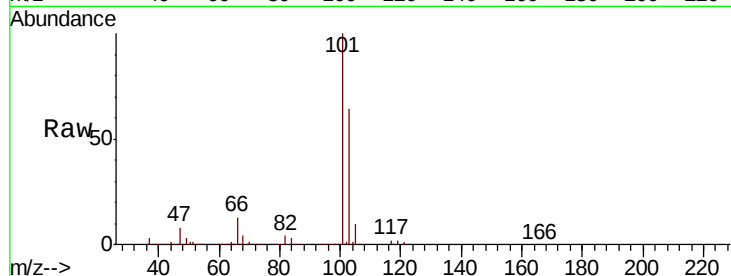
Trichlorofluoromethane
Concen: 57.004 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	48.9	73.3

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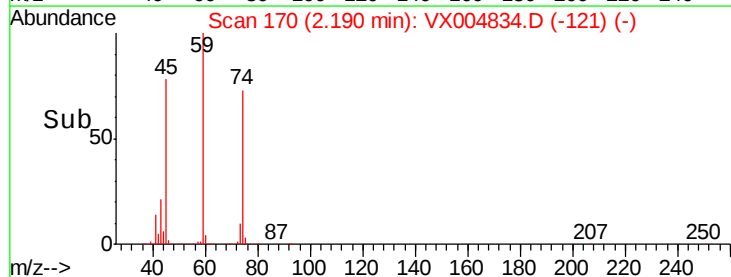
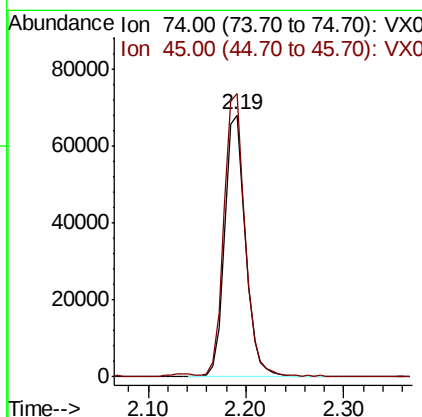
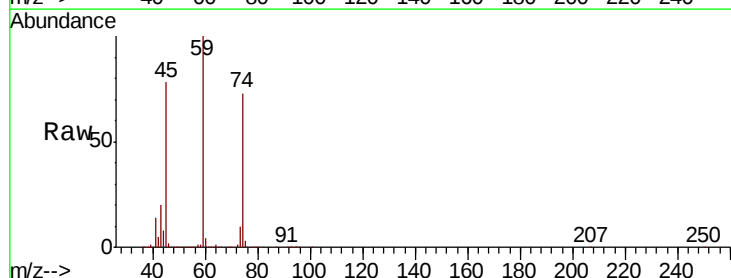
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#8

Diethyl Ether
Concen: 52.657 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.5	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.583 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

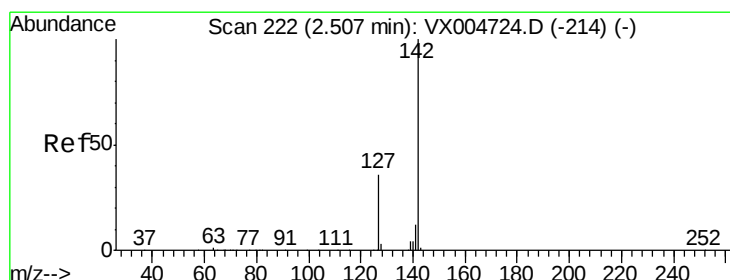
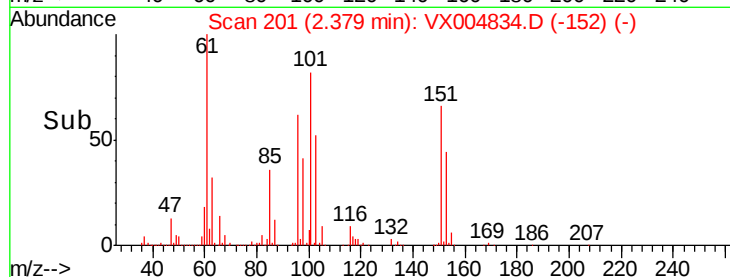
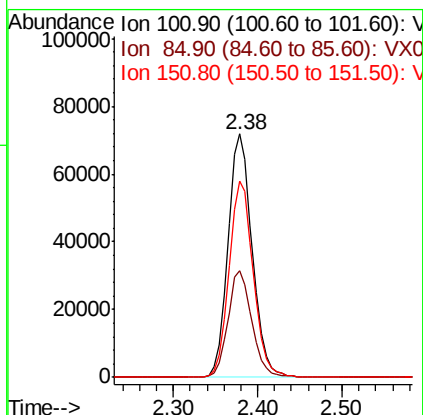
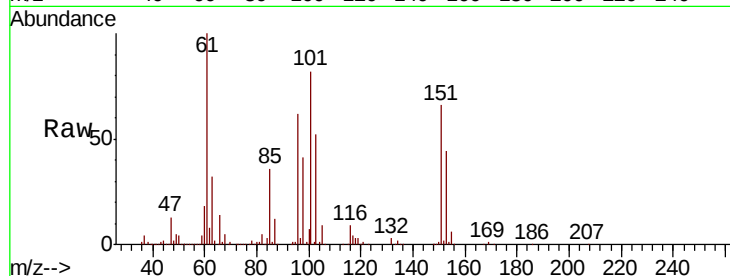
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	139445
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.2	51.4
151	81.0	65.0	97.6

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#10

Methyl Iodide

Concen: 31.153 ug/l

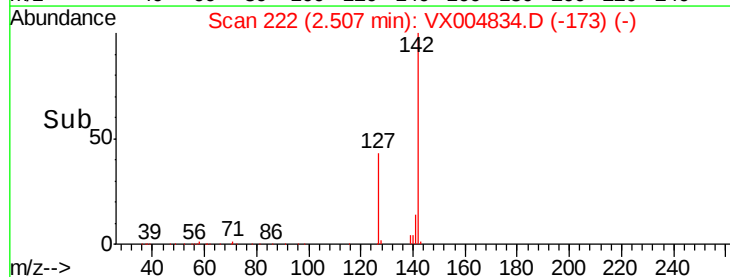
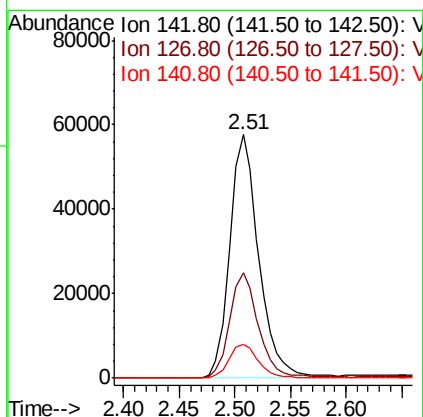
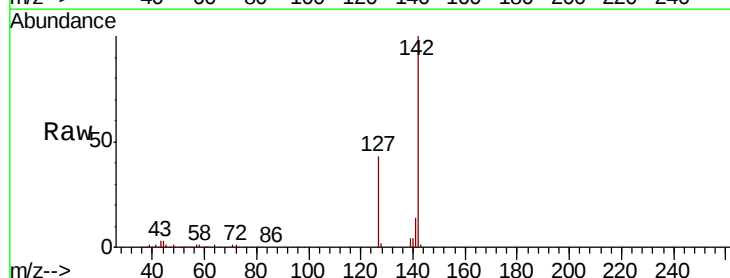
RT: 2.51 min Scan# 222

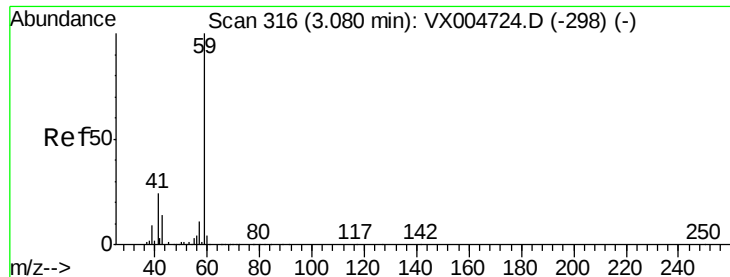
Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion:	142	Resp:	104584
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.8	50.6
141	14.3	11.4	17.0





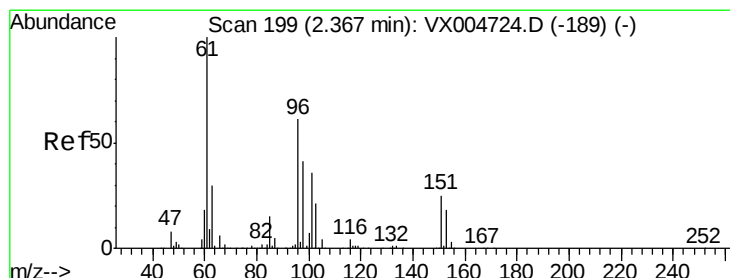
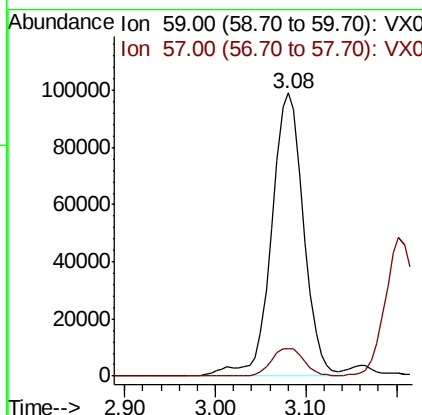
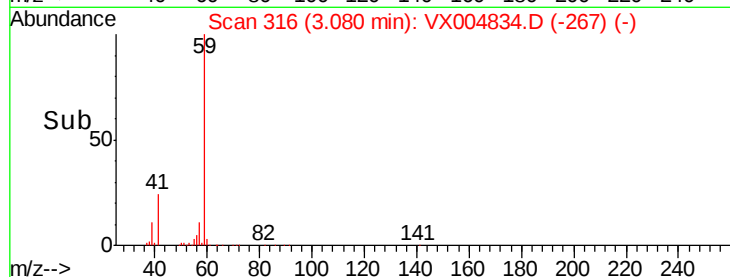
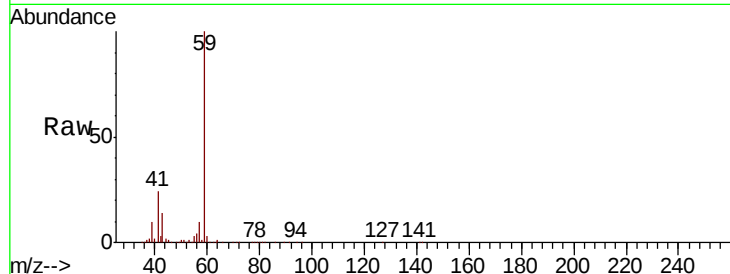
#11
Tert butyl alcohol
Concen: 264.519 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4

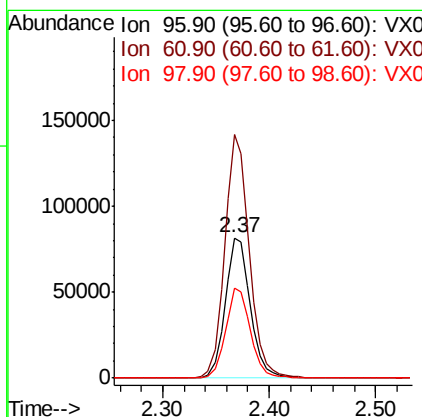
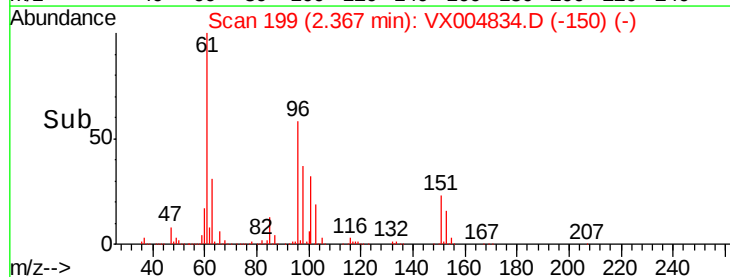
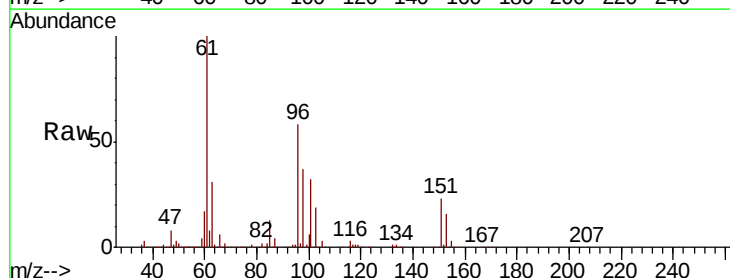
Manual Integrations
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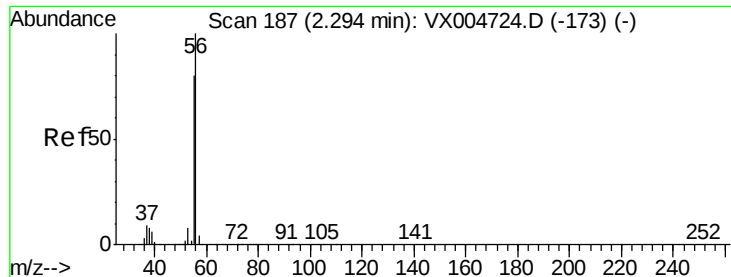
MMDadoda
10/1/2018 1:31:29 PM



#12
1,1-Dichloroethene
Concen: 53.919 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	128.8	193.2
98	64.2	52.2	78.2





#13

Acrolein

Concen: 182.877 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 119170

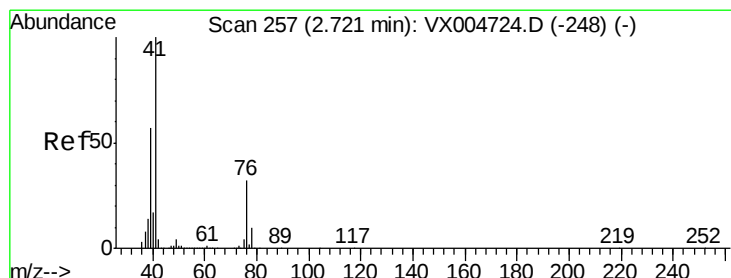
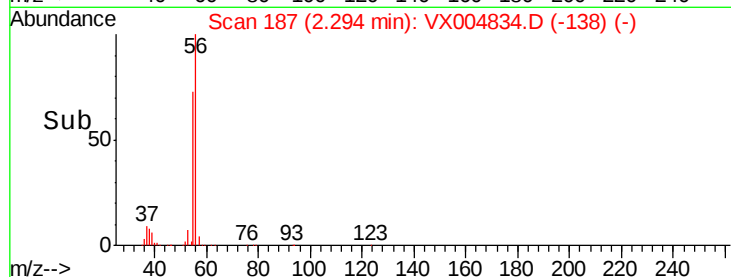
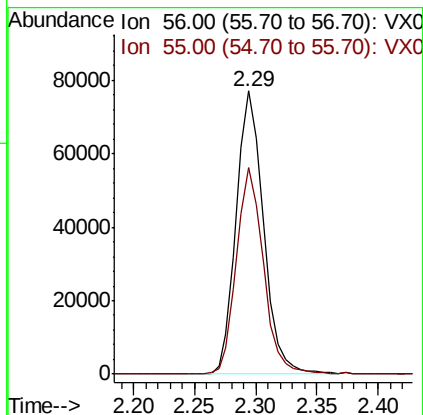
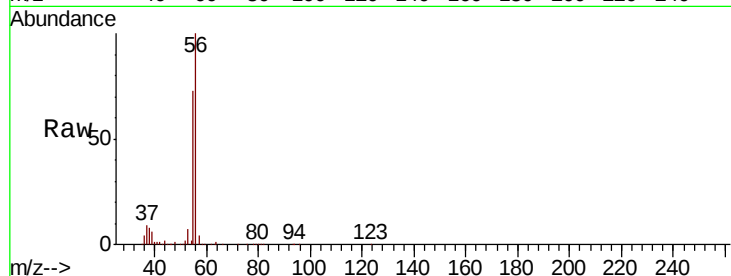
Ion Ratio Lower Upper

56 100

55 72.0 54.7 82.1

Manual Integrations
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#14

Allyl chloride

Concen: 55.579 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

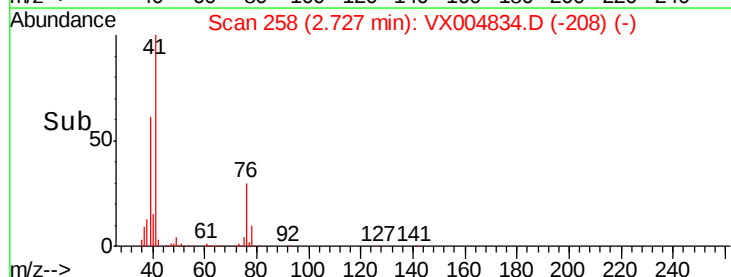
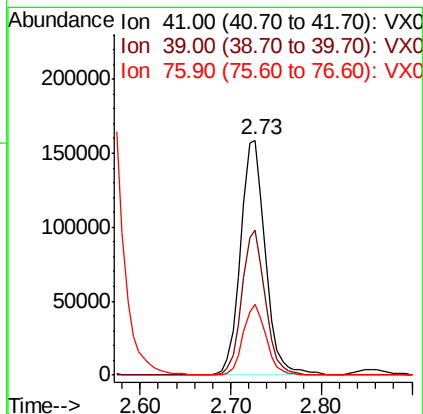
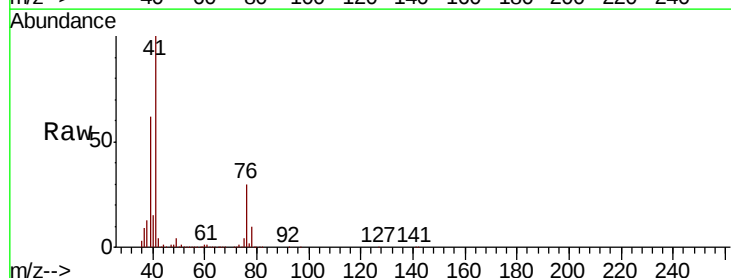
Tgt Ion: 41 Resp: 301293

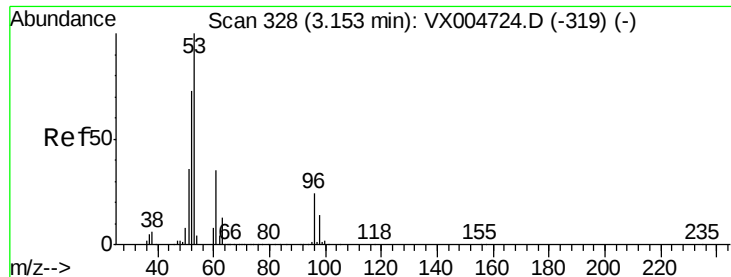
Ion Ratio Lower Upper

41 100

39 58.2 48.9 73.3

76 27.9 26.7 40.1





#15

Acrylonitrile

Concen: 269.354 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

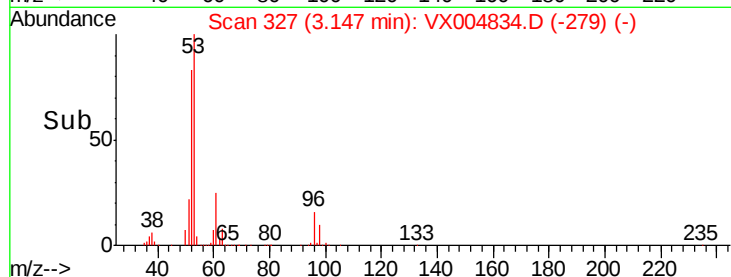
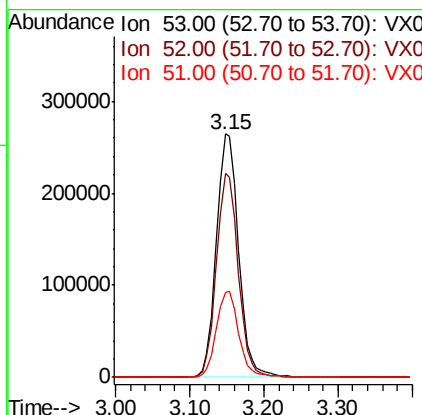
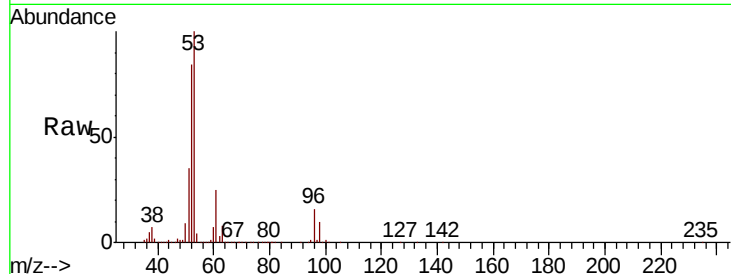
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	543066
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	35.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 247.780 ug/l

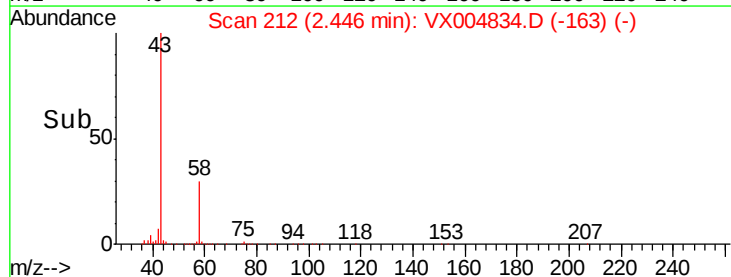
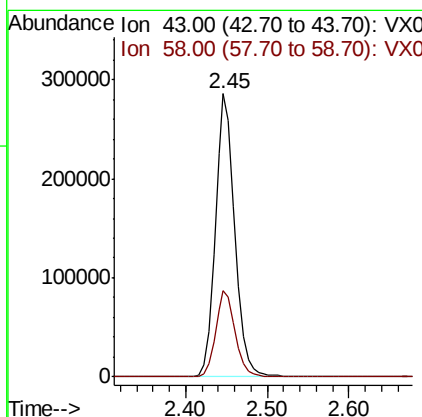
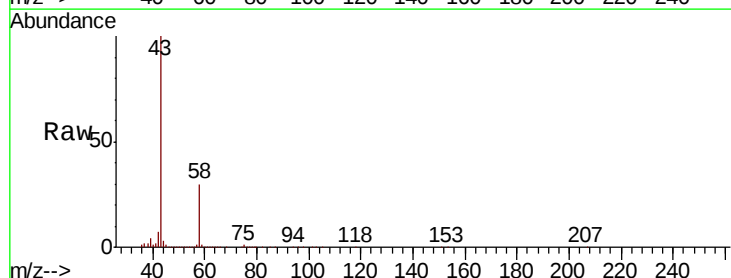
RT: 2.45 min Scan# 212

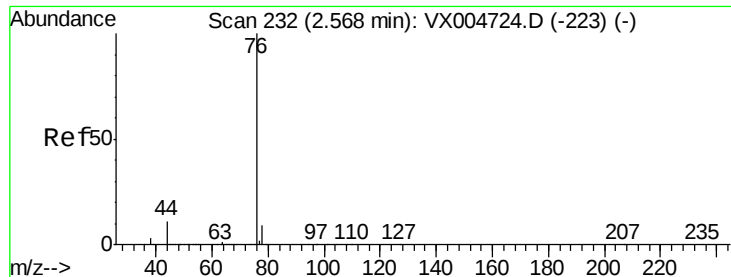
Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion:	43	Resp:	473836
Ion	Ratio	Lower	Upper
43	100		
58	30.3	26.2	39.4





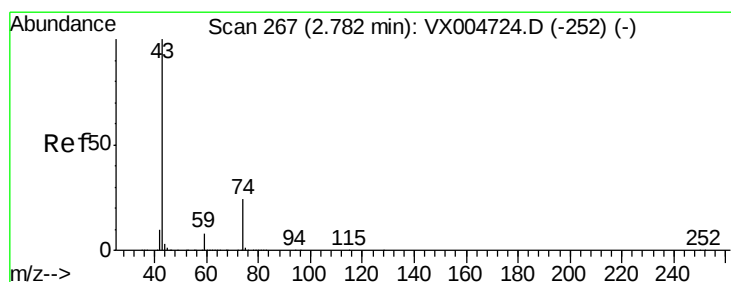
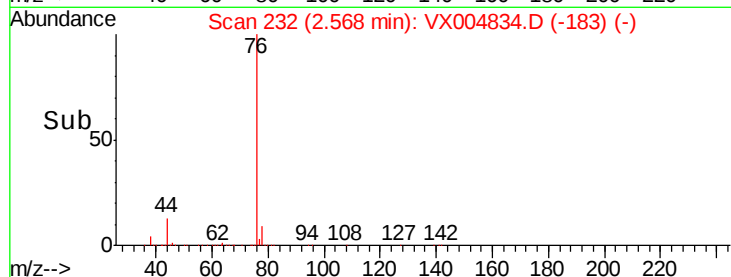
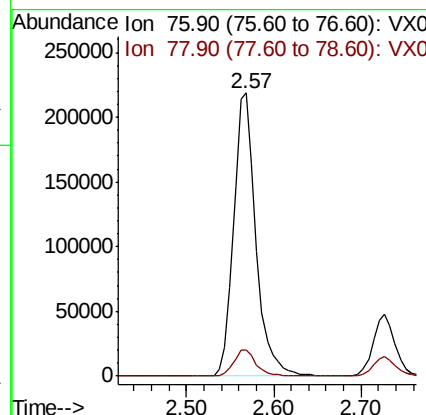
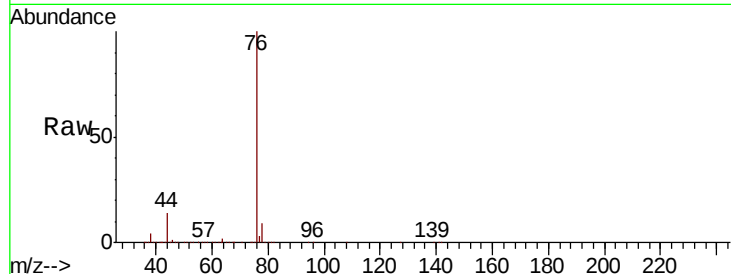
#17
Carbon Disulfide
Concen: 52.033 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

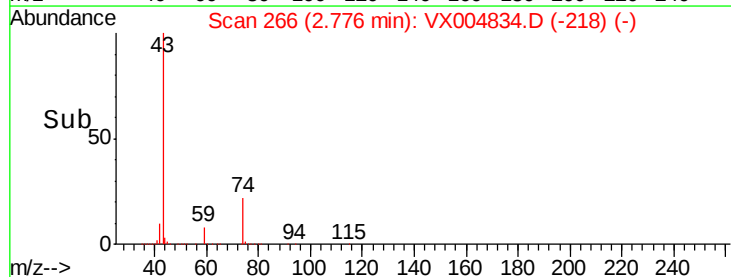
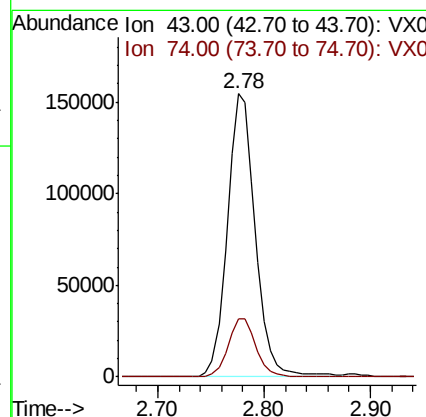
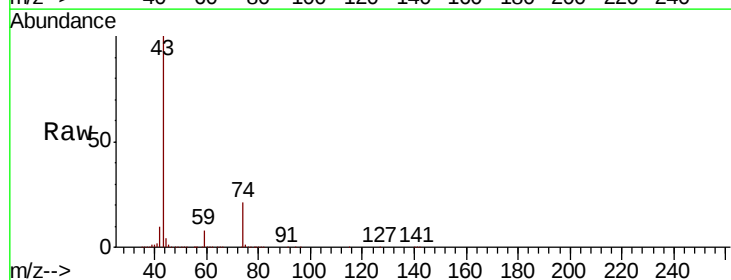
Manual Integrations
APPROVED

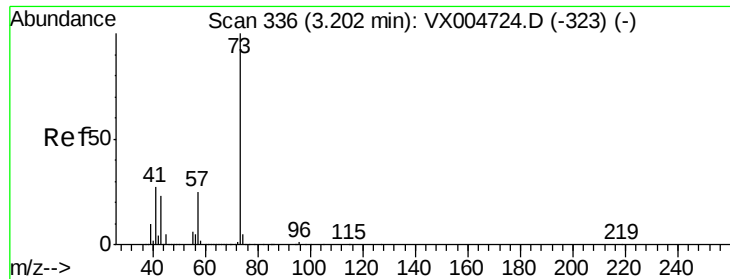
MMDadoda
10/1/2018 1:31:29 PM



#18
Methyl Acetate
Concen: 58.018 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	19.4	29.2





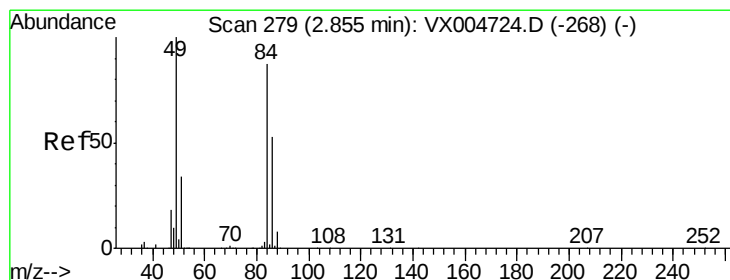
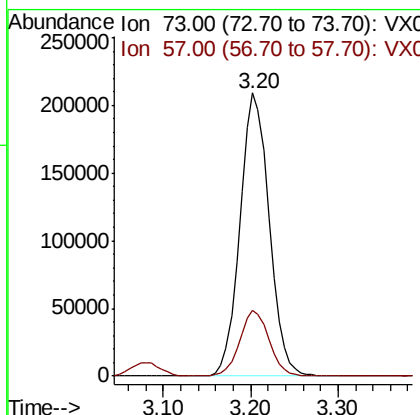
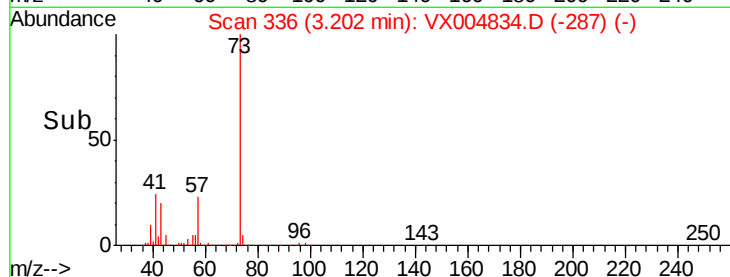
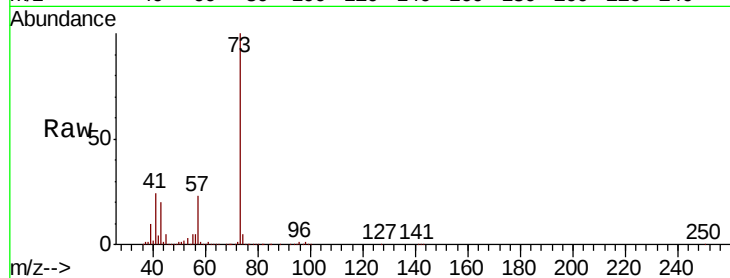
#19
Methvl tert-butvl Ether
Concen: 56.626 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.1	25.7

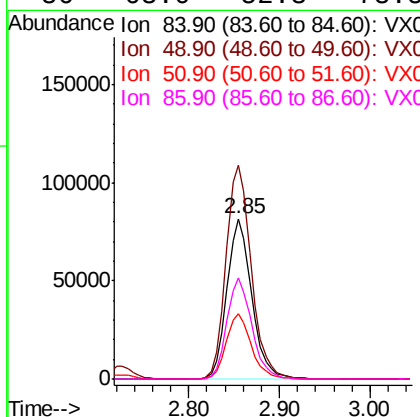
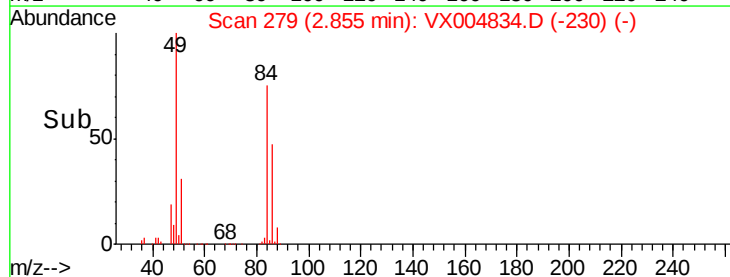
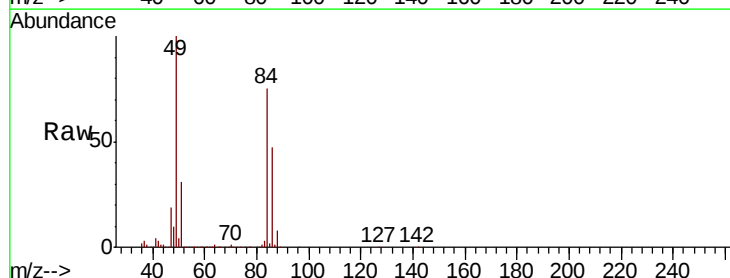
Manual Integrations
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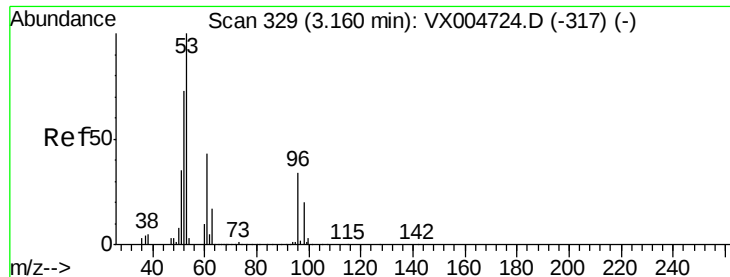
MMDadoda
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#20
Methylene Chloride
Concen: 55.803 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.1	101.2	151.8
51	40.9	29.5	44.3
86	63.0	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 52.801 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

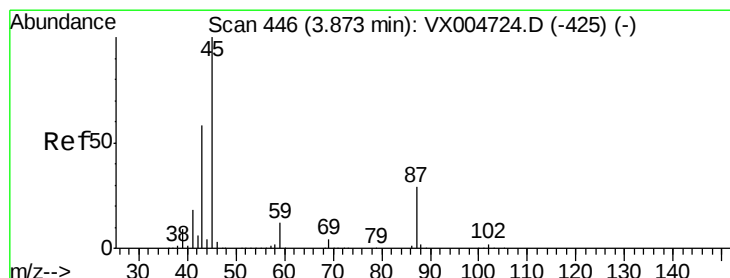
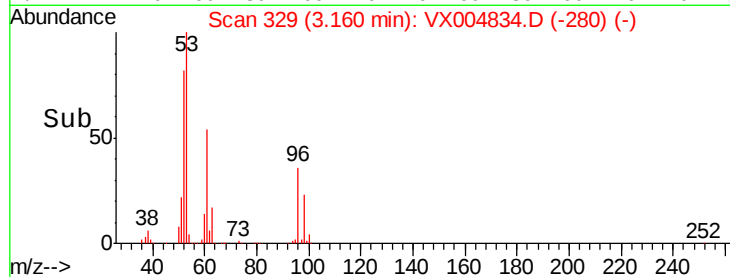
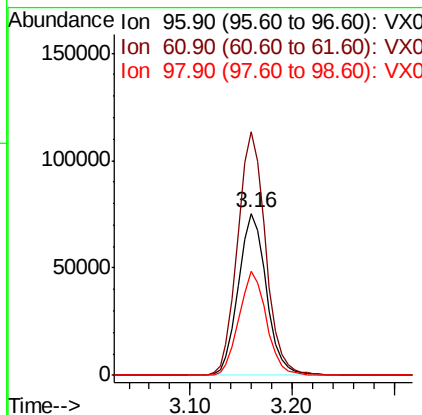
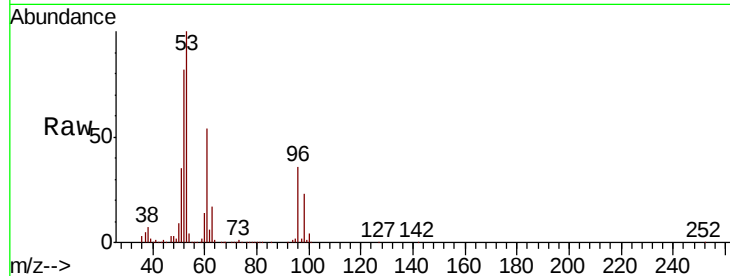
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	143606
Ion	Ratio	Lower	Upper
96	100		
61	150.2	113.8	170.6
98	64.5	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.159 ug/l

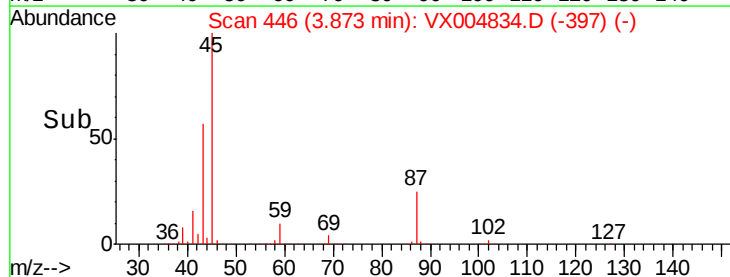
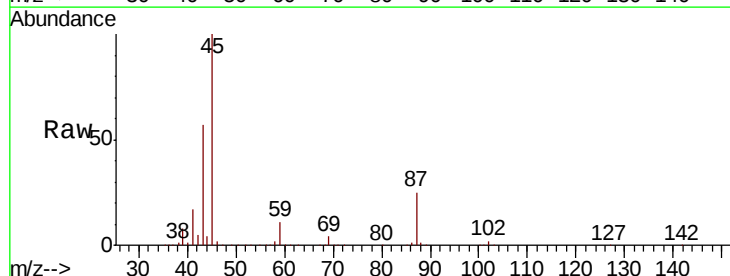
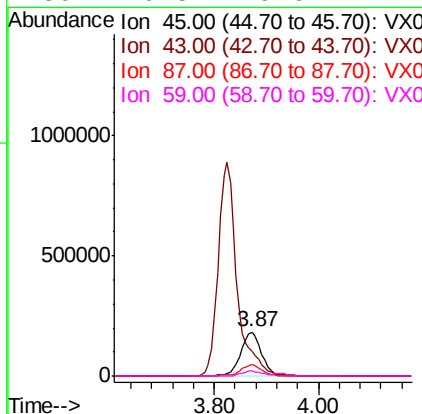
RT: 3.87 min Scan# 446

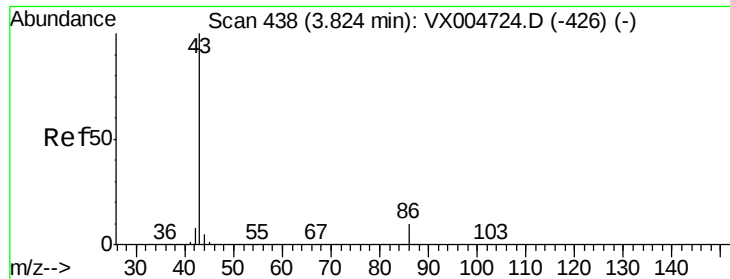
Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion:	45	Resp:	512645
Ion	Ratio	Lower	Upper
45	100		
43	56.6	42.8	64.2
87	25.1	22.6	34.0
59	10.5	9.6	14.4





#23

Vinyl Acetate

Concen: 272.013 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2272917

Ion Ratio Lower Upper

43 100

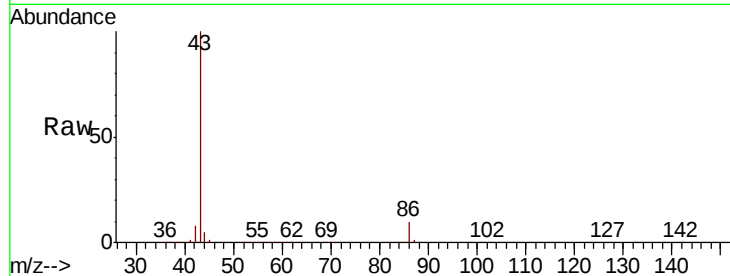
86 9.6 8.9 13.3

Manual Integrations

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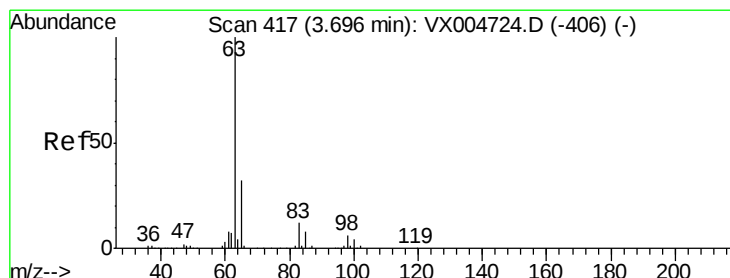
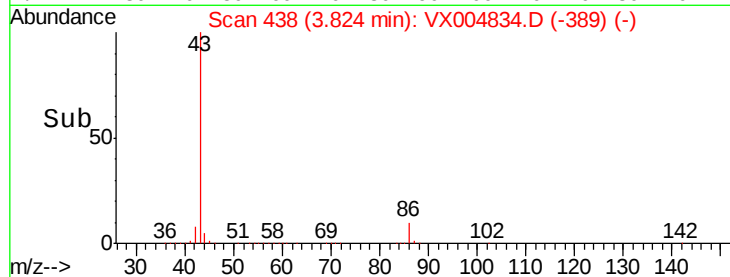
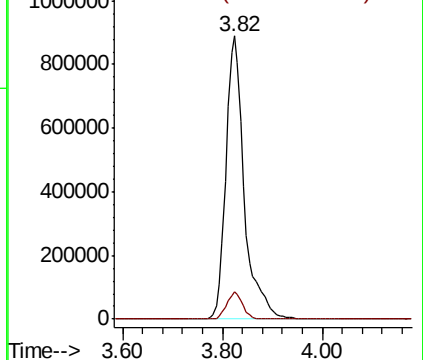
MMDadoda

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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: 53.134 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

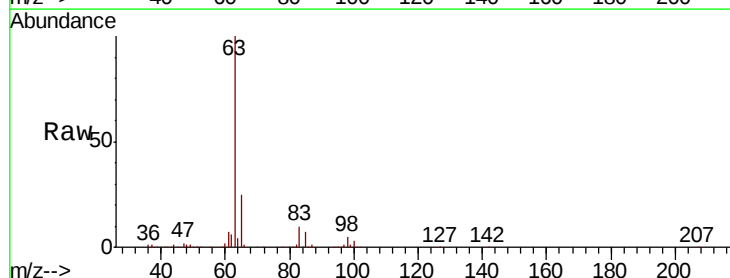
Tgt Ion: 63 Resp: 289328

Ion Ratio Lower Upper

63 100

98 5.0 3.5 10.4

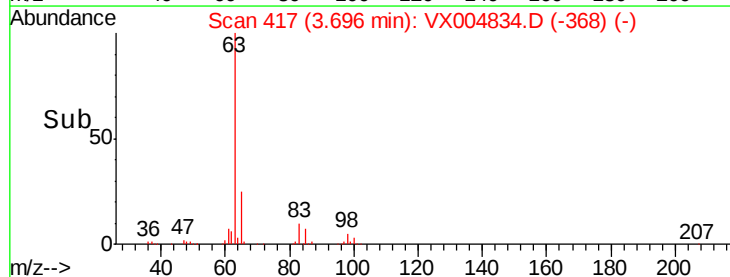
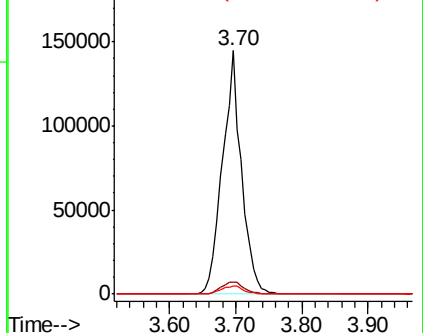
100 3.5 2.4 7.1

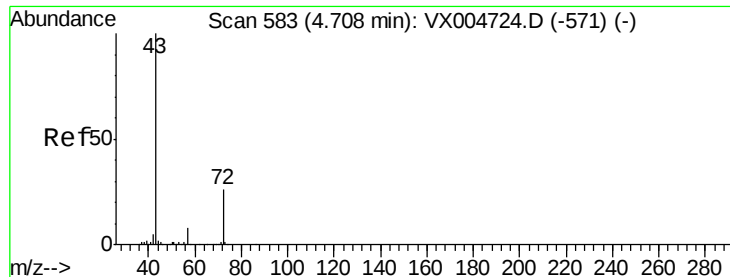


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 259.340 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 731034

Ion Ratio Lower Upper

43 100

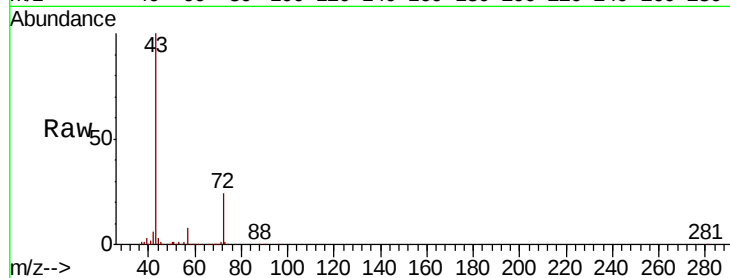
72 24.2 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

250000

200000

150000

100000

50000

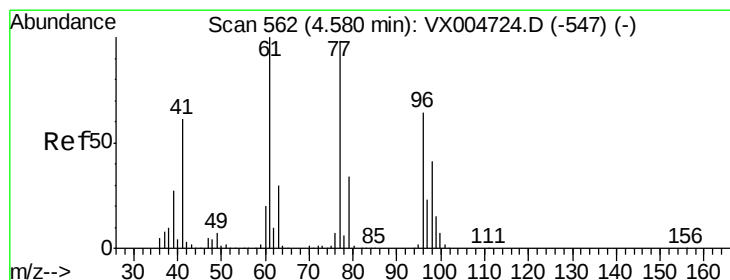
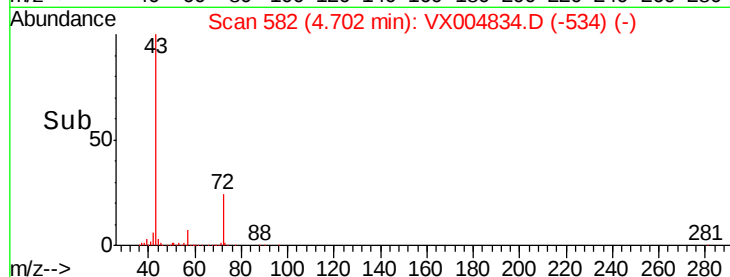
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 49.113 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004834.D

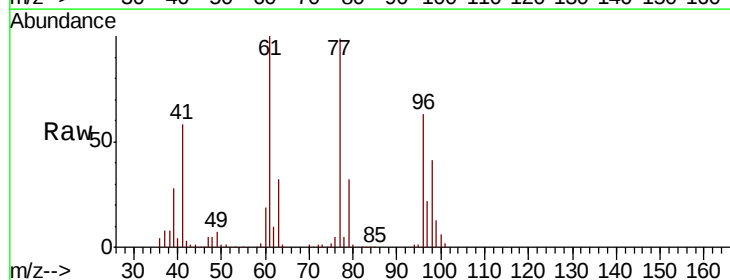
Acq: 28 Sep 2018 20:59

Tgt Ion: 77 Resp: 186230

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

40000

20000

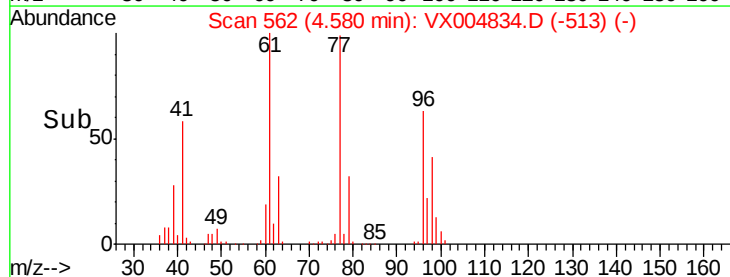
0

4.50

4.60

4.70

Time-->





#27

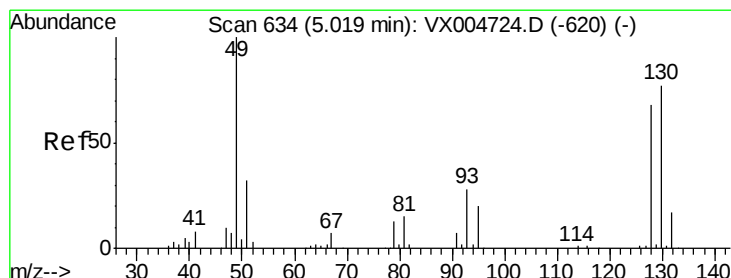
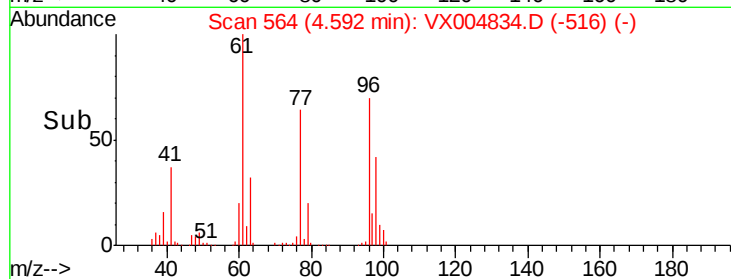
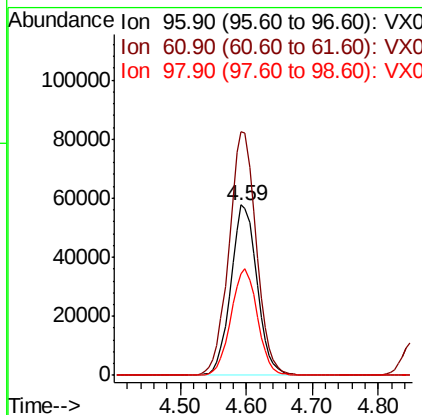
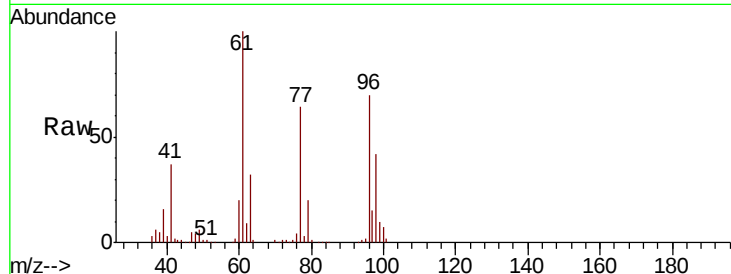
cis-1,2-Dichloroethene
Concen: 52.199 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	158597		
61	149.0	0.0	282.6	
98	63.4	0.0	130.2	

Manual Integrations
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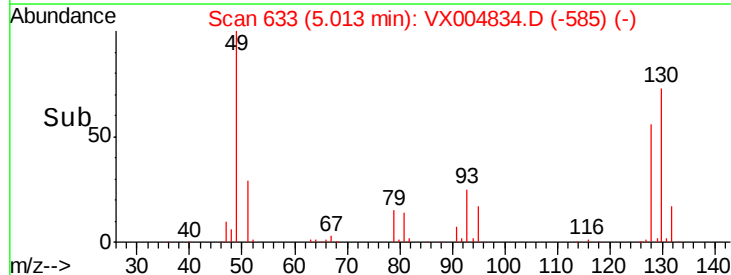
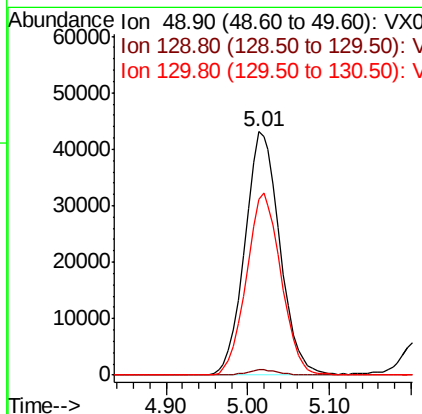
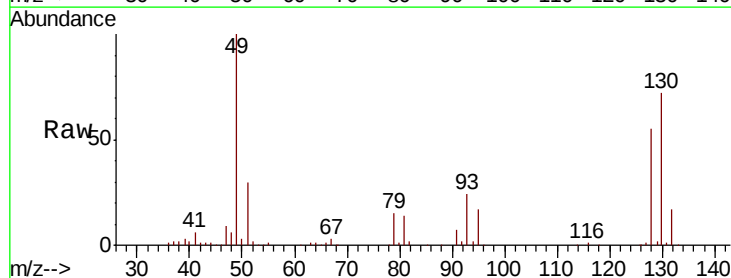
MMDadoda
10/1/2018 1:31:29 PM

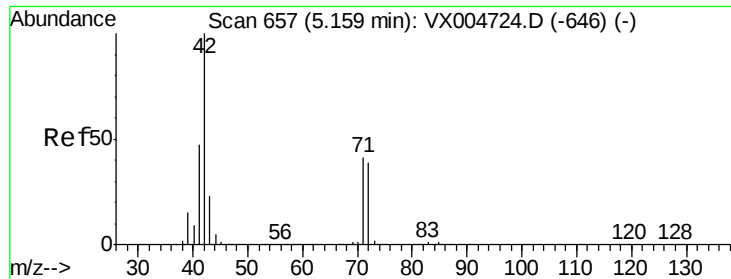


#28

Bromochloromethane
Concen: 50.216 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	128767		
129	2.0	0.0	4.2	
130	73.9	67.5	101.3	





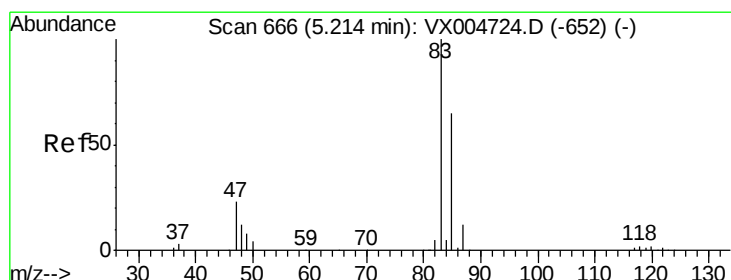
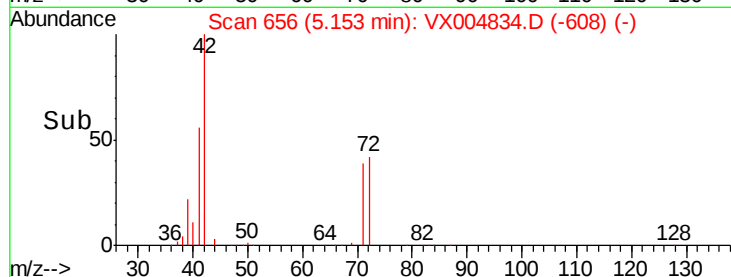
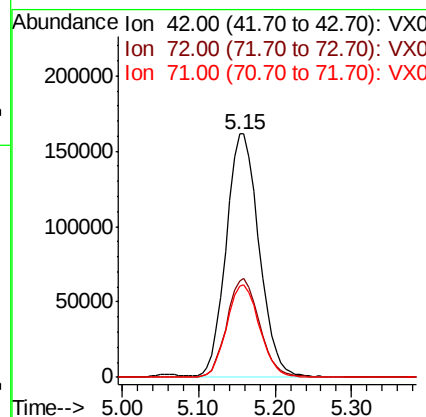
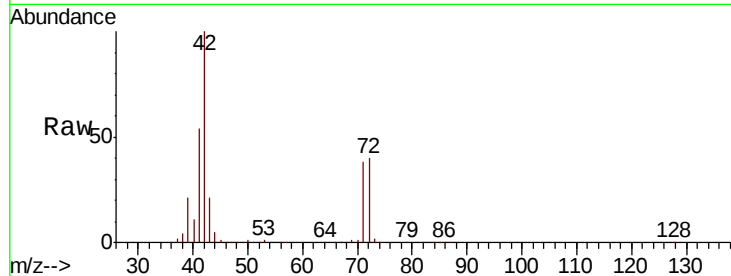
#29
Tetrahydrofuran
Concen: 274.293 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	37.4	56.0
71	38.2	34.5	51.7

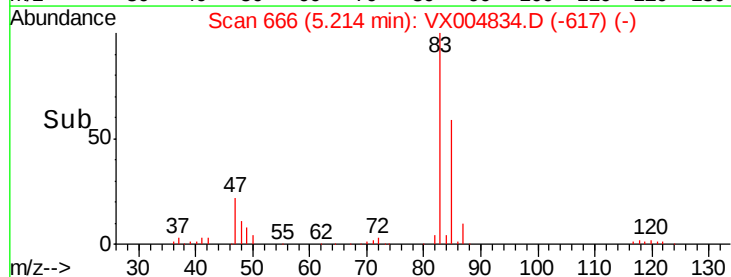
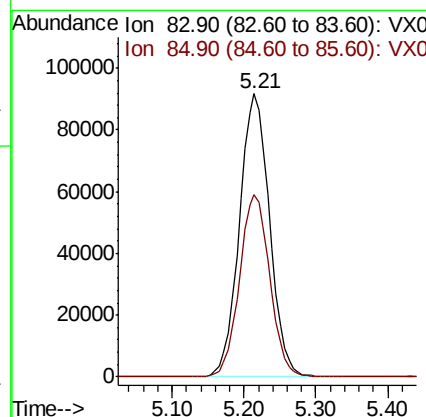
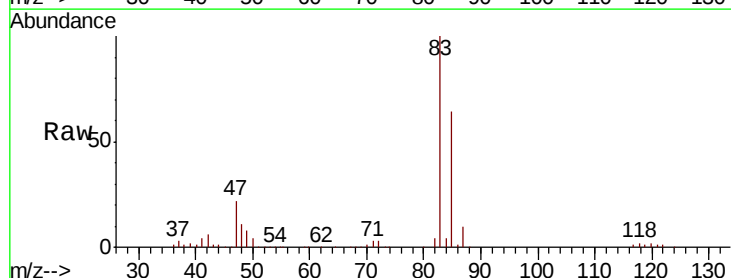
Manual Integrations
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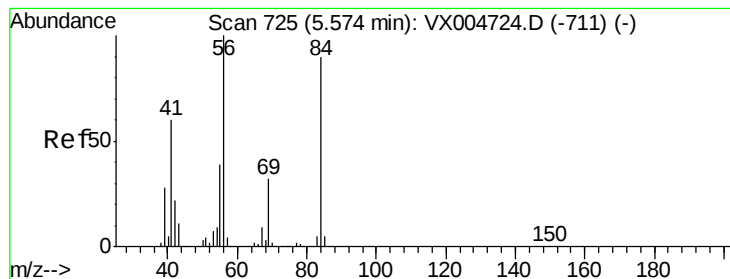
MMDadoda
10/1/2018 1:31:29 PM



#30
Chloroform
Concen: 51.770 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	79.0





#31

Cyclohexane

Concen: 58.708 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 244676

Ion Ratio Lower Upper

56 100

69 28.7 25.4 38.2

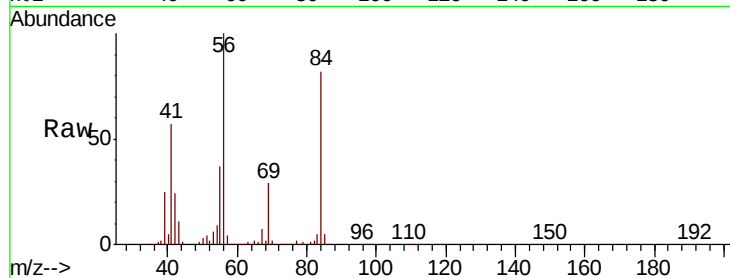
84 81.1 71.4 107.2

Manual Integrations

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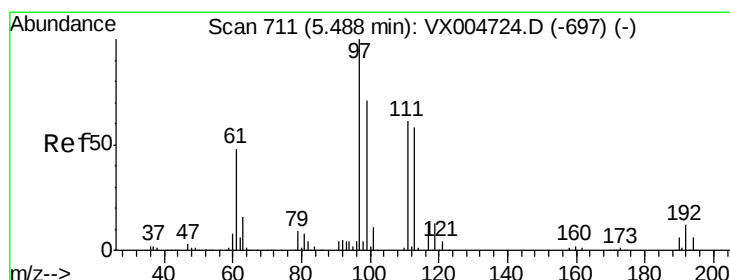
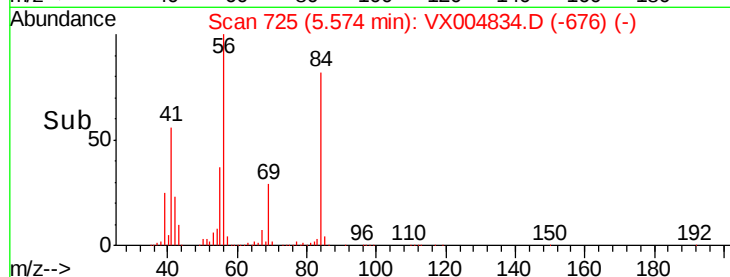
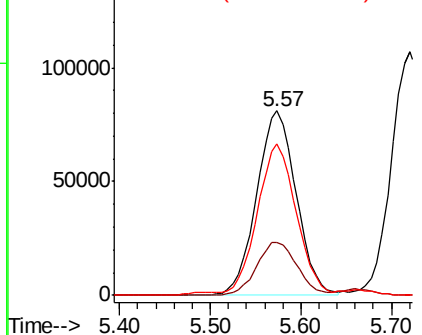
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 53.464 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

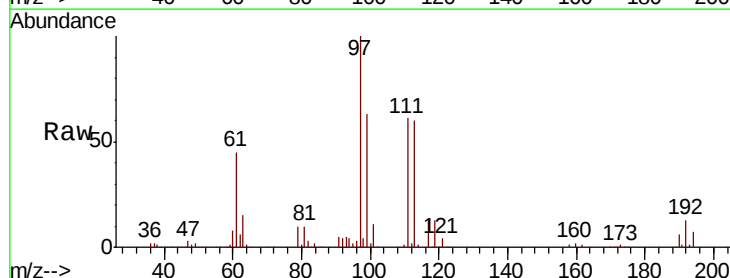
Tgt Ion: 97 Resp: 224704

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

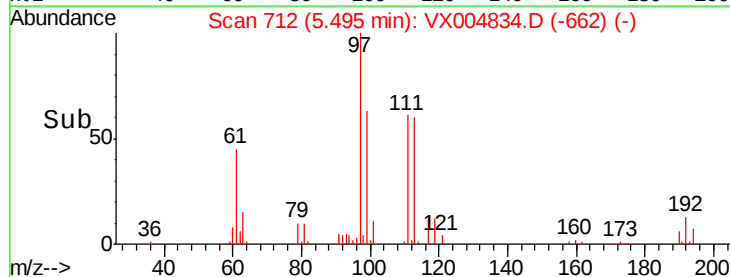
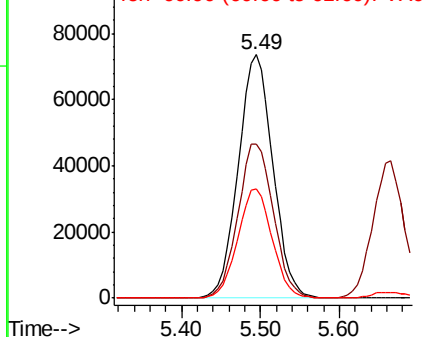
61 44.7 34.9 52.3

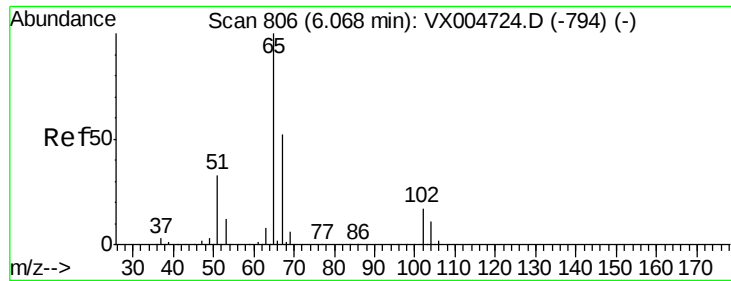


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.629 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tot Ion: 65 Resp: 165837

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

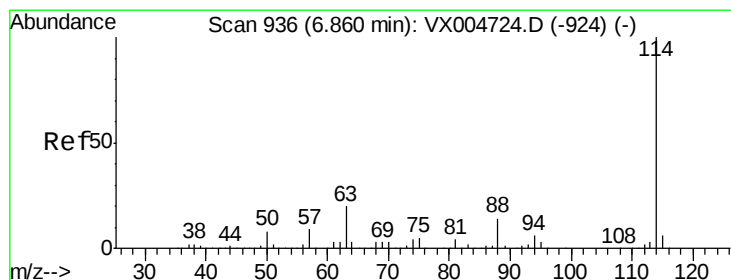
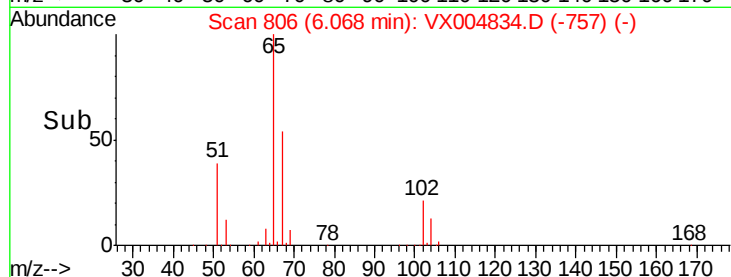
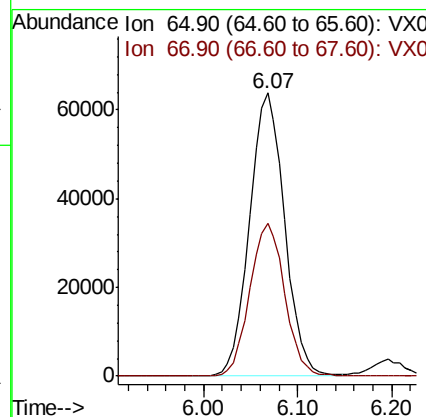
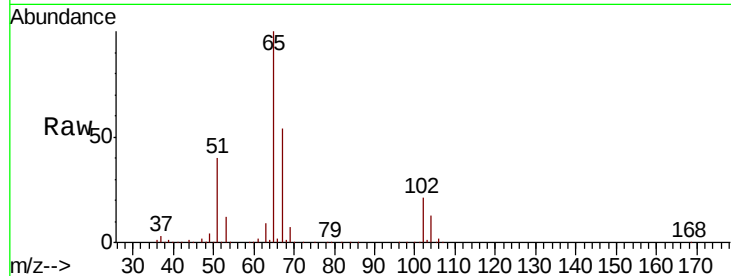
VSTDCCC050EC

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

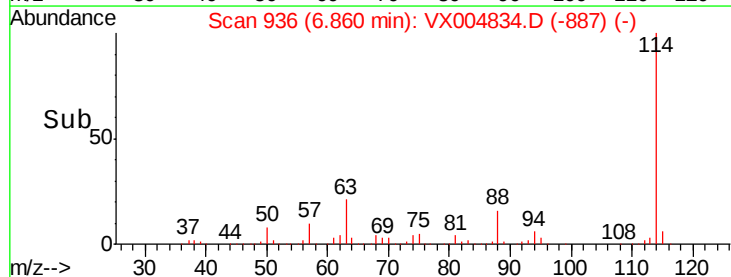
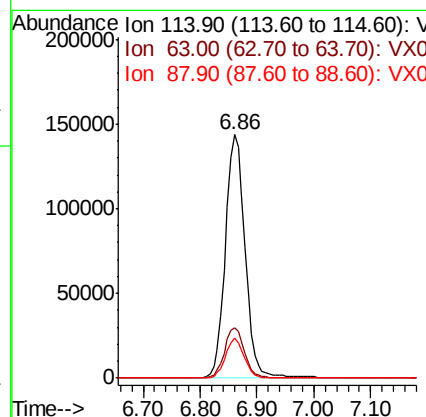
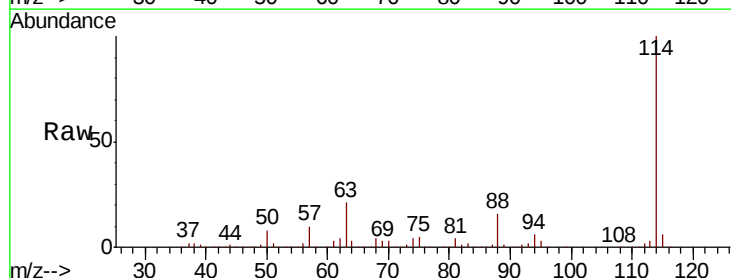
Tgt Ion: 114 Resp: 347652

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

88 16.2 0.0 30.4





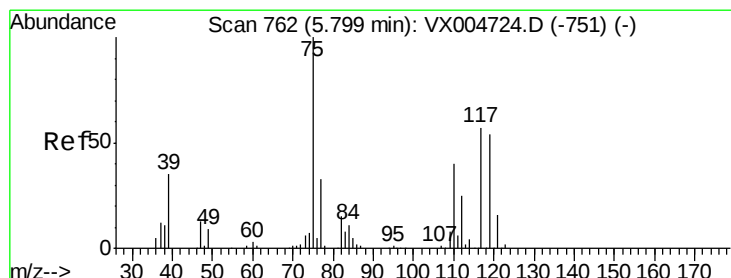
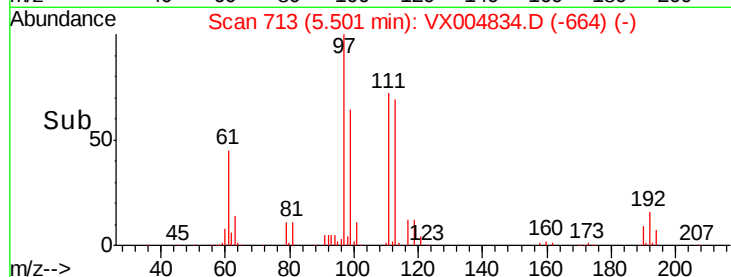
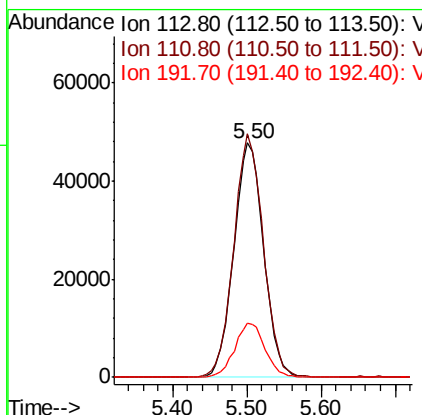
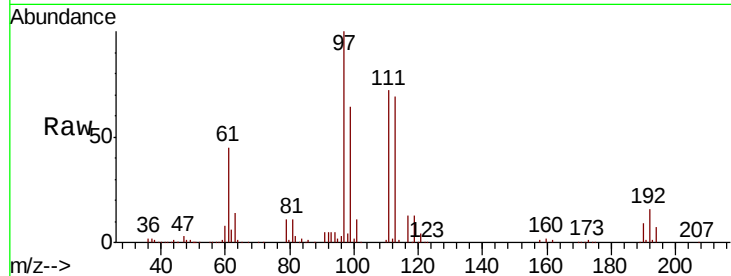
#35
 Dibromofluoromethane
 Concen: 45.718 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	23.3	19.4	29.2

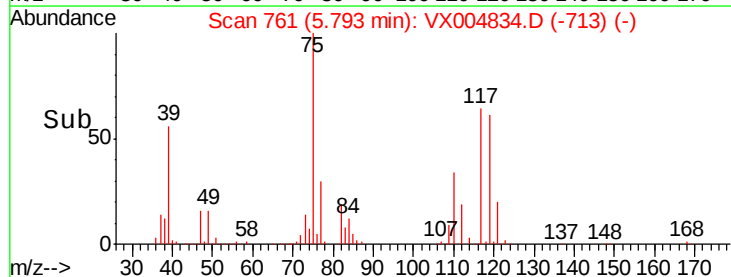
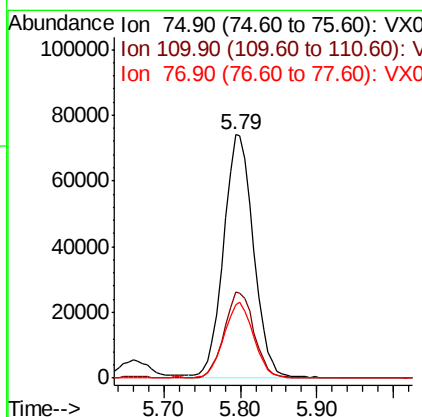
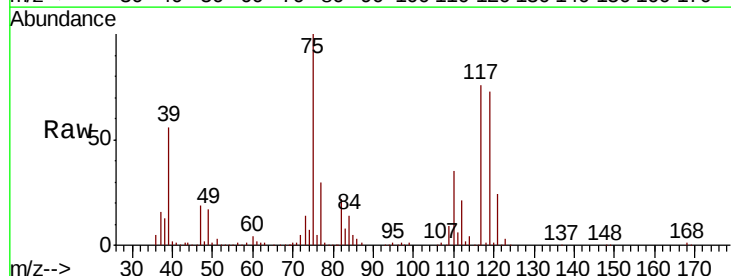
Manual Integrations
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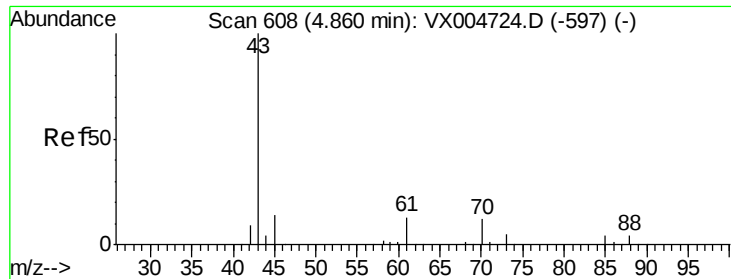
MMDadoda
 10/1/2018 1:31:29 PM



#36
 1,1-Dichloropropene
 Concen: 49.707 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.0	54.0
77	30.9	24.6	36.8





#37

Ethyl Acetate

Concen: 49.030 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

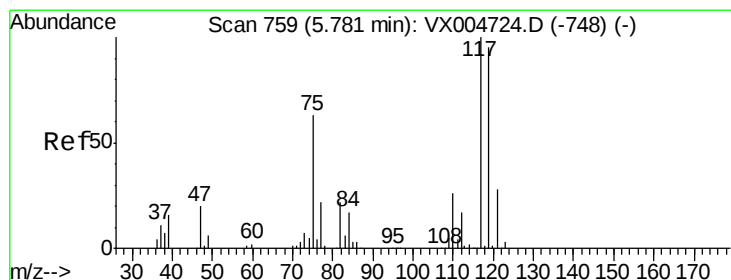
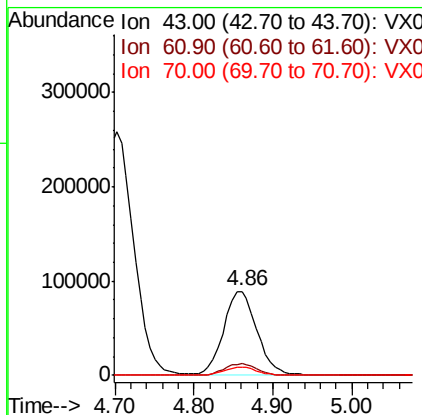
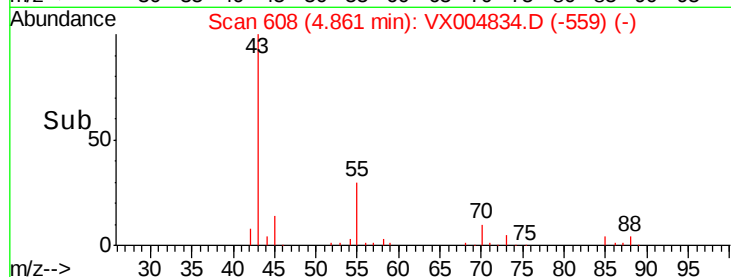
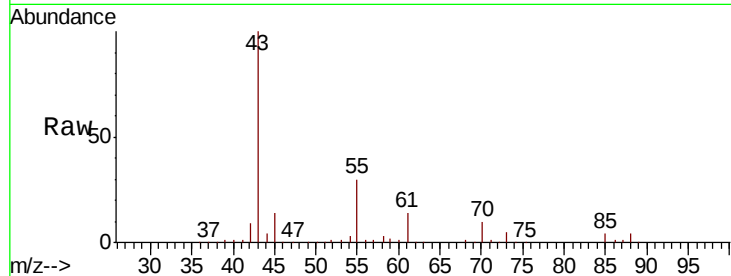
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	261633
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.5	17.3
70	10.1	9.0	13.6

Manual Integrations
APPROVED

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10/1/2018 1:31:29 PM



#38

Carbon Tetrachloride

Concen: 47.200 ug/l

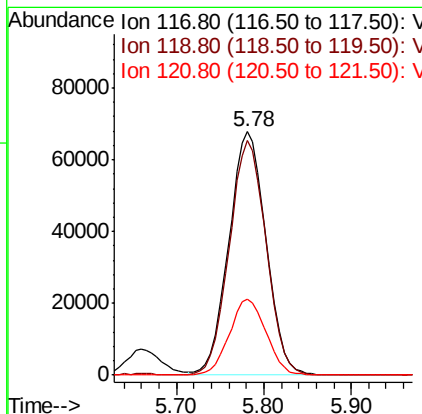
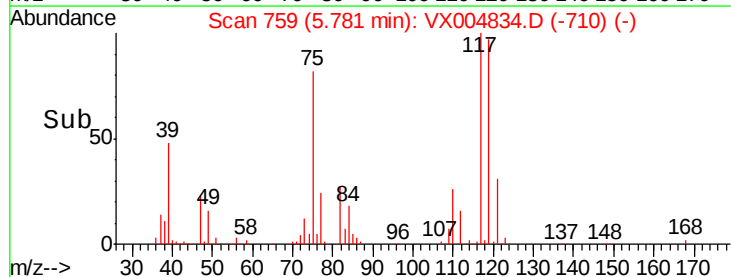
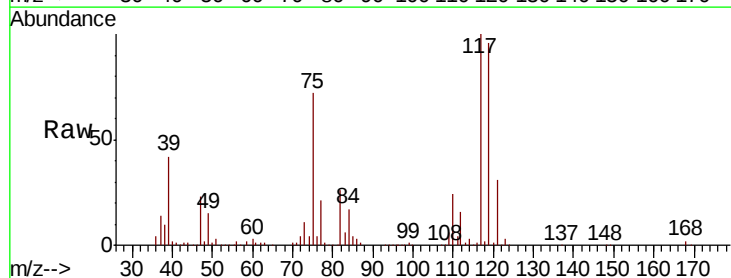
RT: 5.78 min Scan# 759

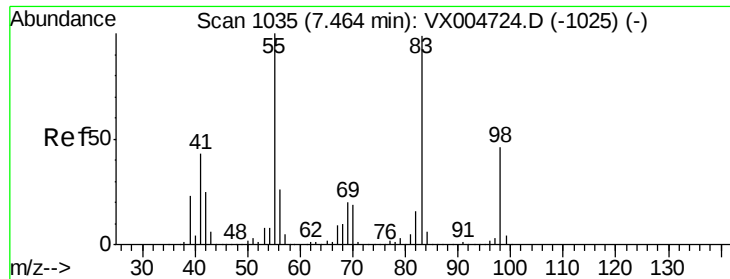
Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion:	117	Resp:	199454
Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.8	118.2
121	31.0	24.9	37.3





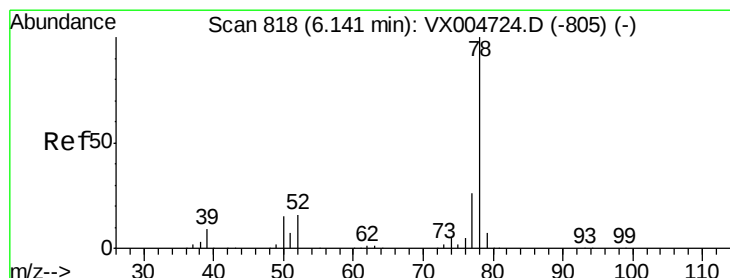
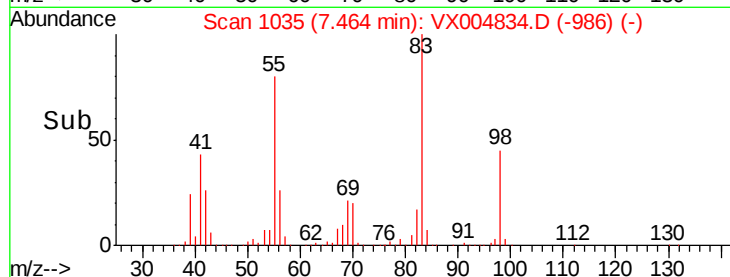
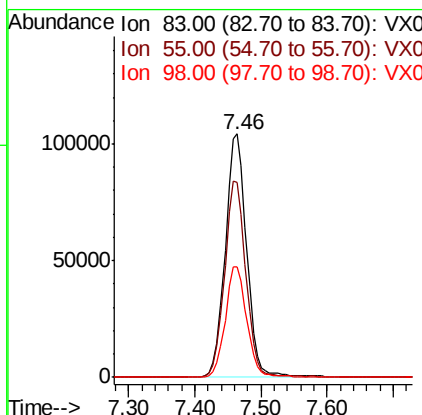
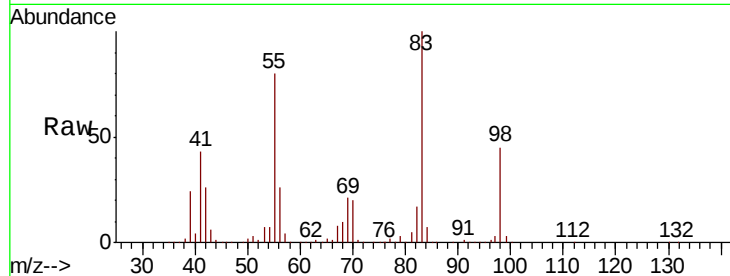
#39
Methvlcvclohexane
Concen: 56.999 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	233973		
55	80.1		61.0	91.4
98	45.3		39.6	59.4

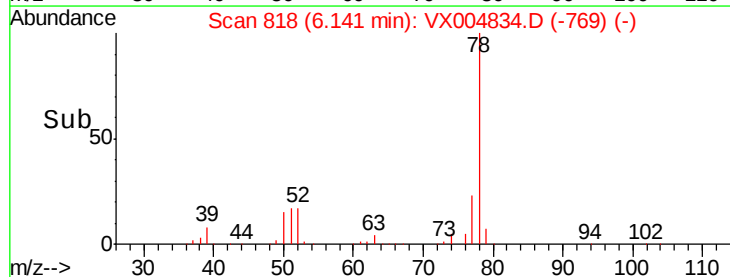
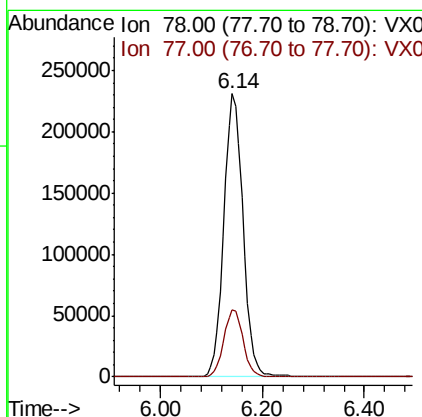
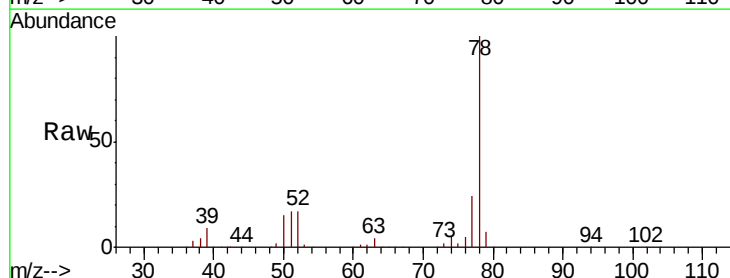
Manual Integrations
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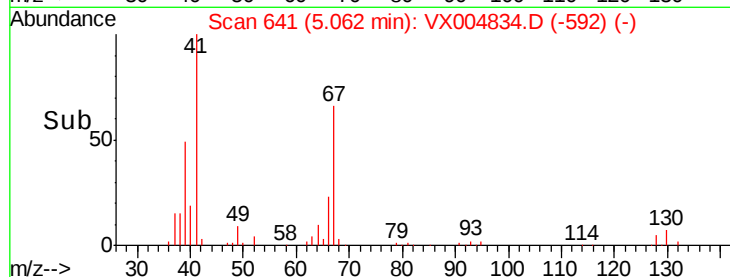
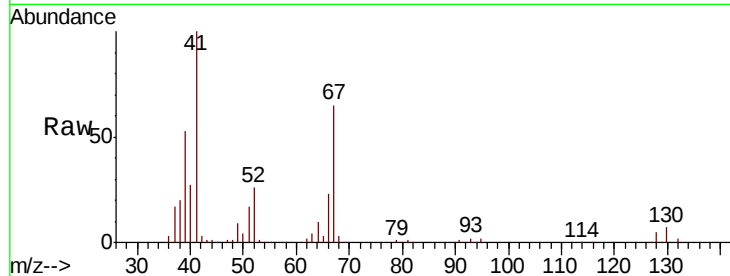
MMDadoda
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#40
Benzene
Concen: 48.130 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	605734		
77	23.8		19.0	28.4





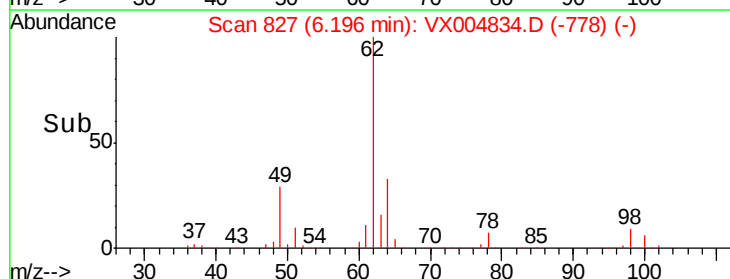
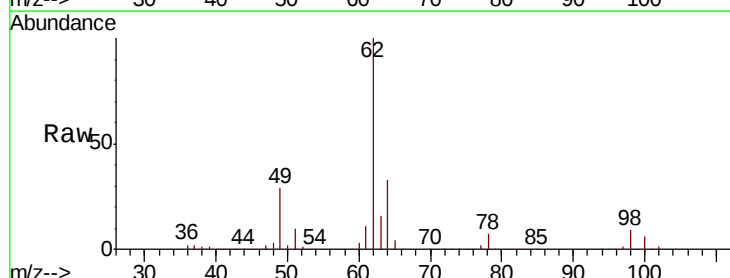
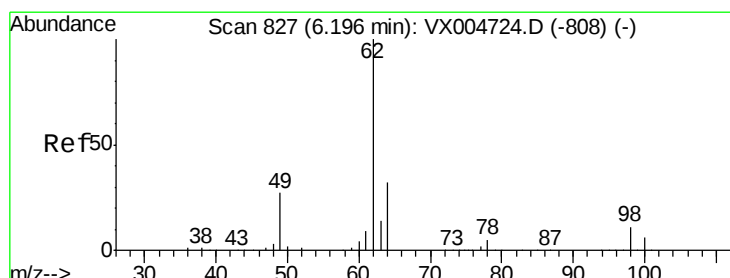
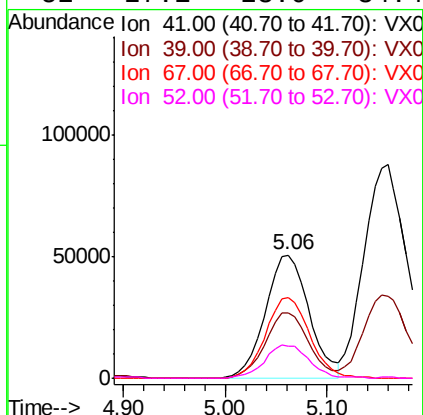
#41
Methacrylonitrile
Concen: 50.768 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		150237		
39	52.9	42.4	63.6		
67	0.0	59.2	88.8#		
52	27.1	23.0	34.4		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

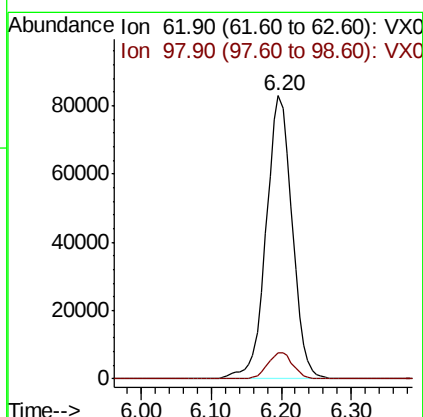
Manual Integrations
APPROVED

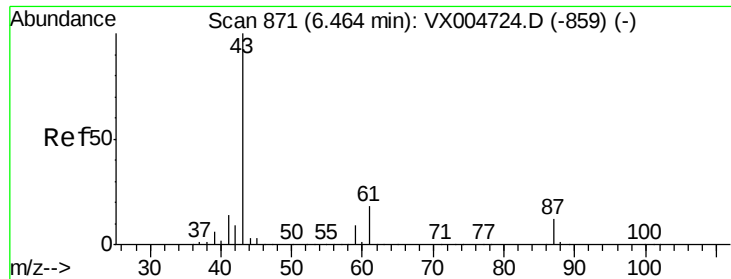
MMDadoda
10/1/2018 1:31:29 PM



#42
1,2-Dichloroethane
Concen: 48.315 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		214954		
98	9.0	0.0	20.6		





#43

Isopropyl Acetate

Concen: 51.128 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

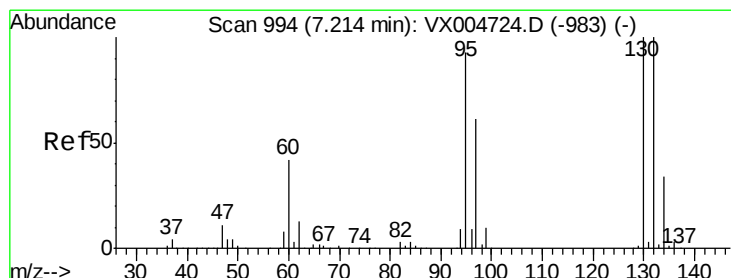
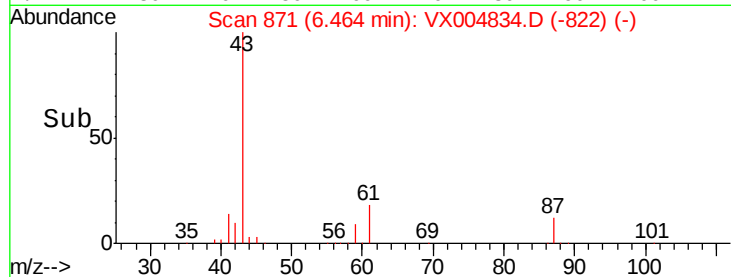
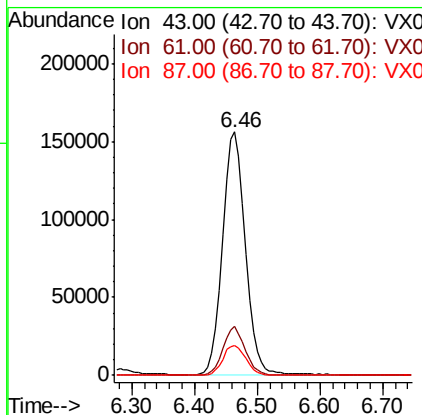
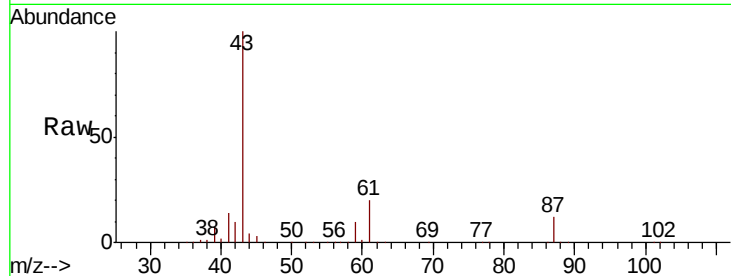
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	393779
Ion	Ratio	Lower	Upper
43	100		
61	19.4	17.0	25.4
87	12.5	11.4	17.2

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#44

Trichloroethene

Concen: 51.115 ug/l

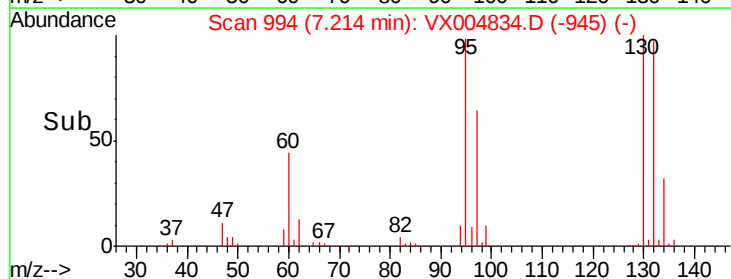
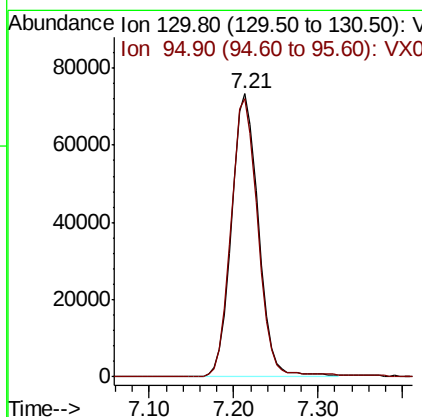
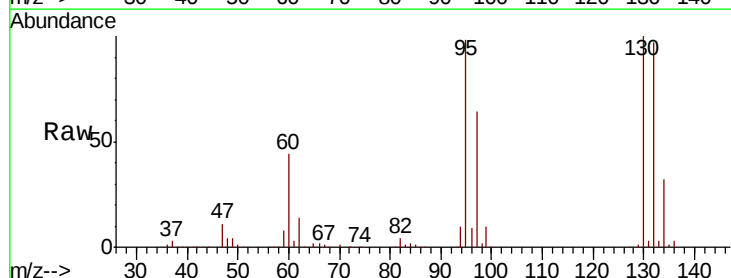
RT: 7.21 min Scan# 994

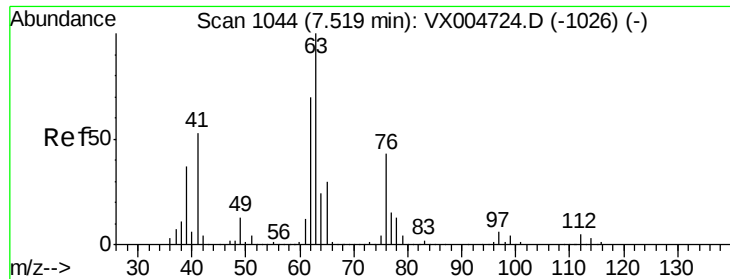
Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion:	130	Resp:	158143
Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	181.6





#45

1,2-Dichloropropane

Concen: 52.521 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 162096

Ion Ratio Lower Upper

63 100

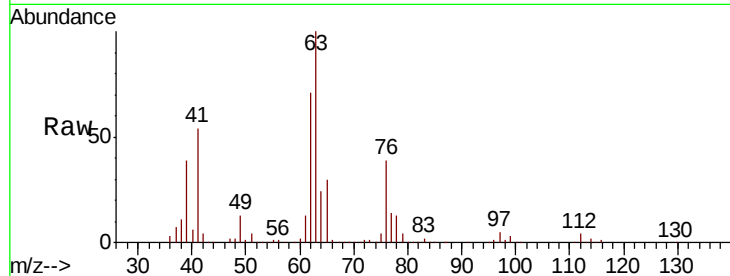
65 29.9 24.3 36.5

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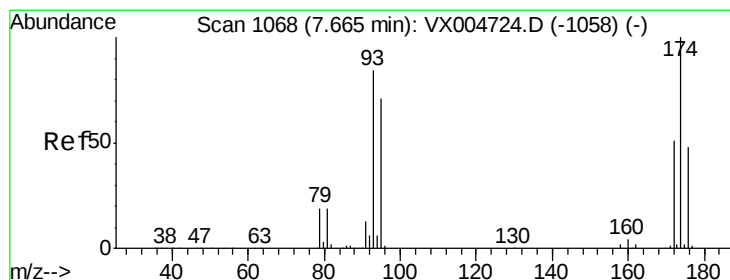
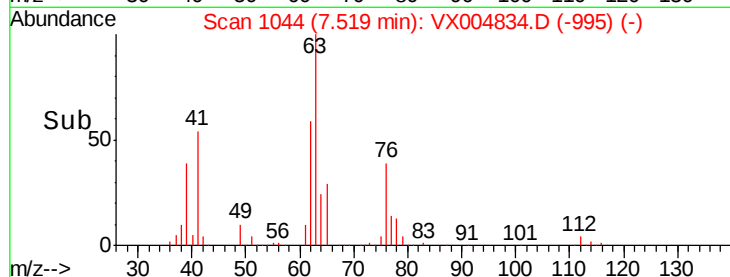
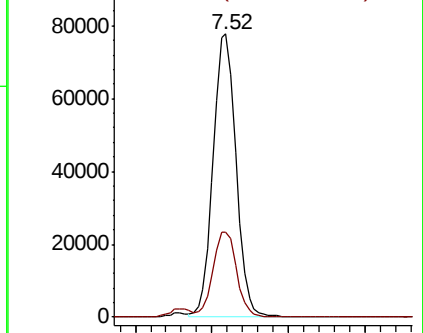
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 53.441 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

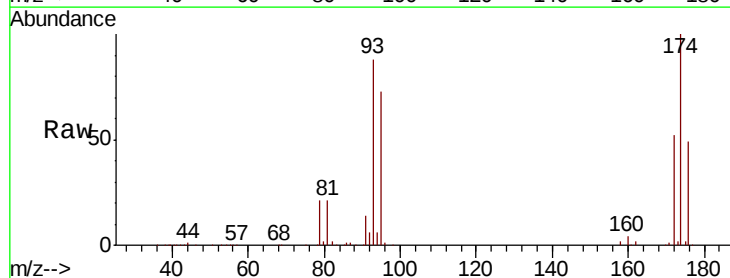
Tgt Ion: 93 Resp: 103656

Ion Ratio Lower Upper

93 100

95 84.1 65.5 98.3

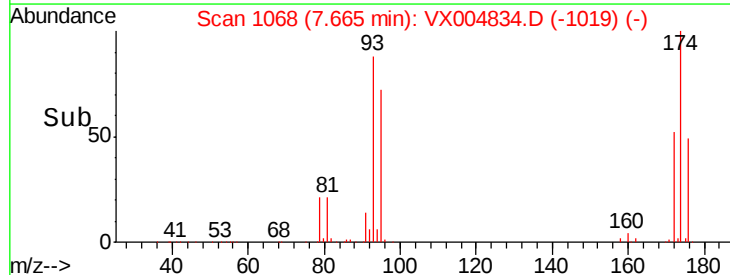
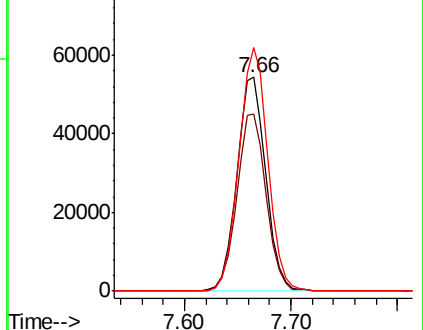
174 113.8 94.2 141.4

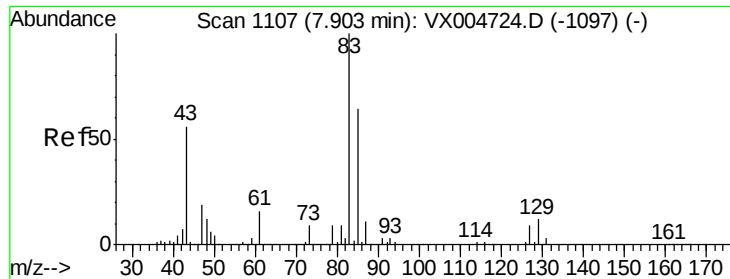


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.415 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

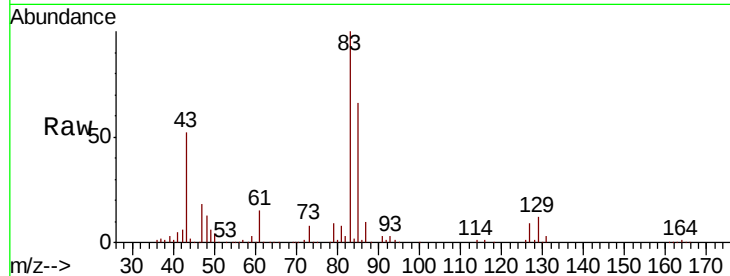
ClientSampleId :

VSTDCCC050EC

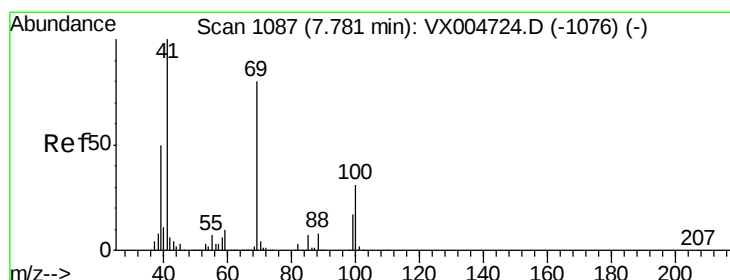
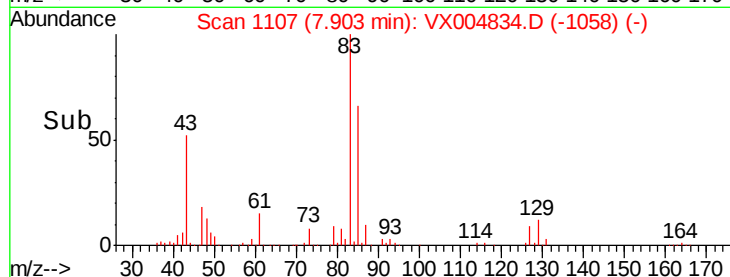
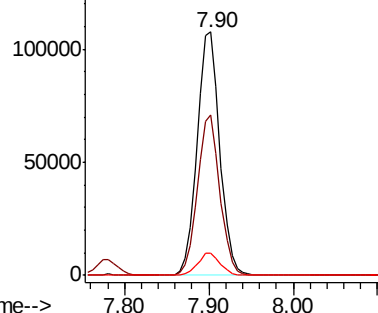
Tot Ion:	83	Resp:	197609
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.9	76.3
127	9.1	7.3	10.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 58.846 ug/l

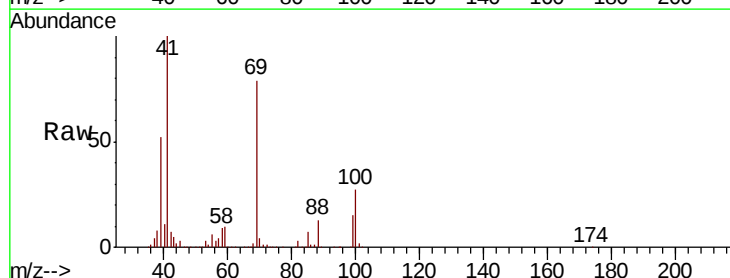
RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

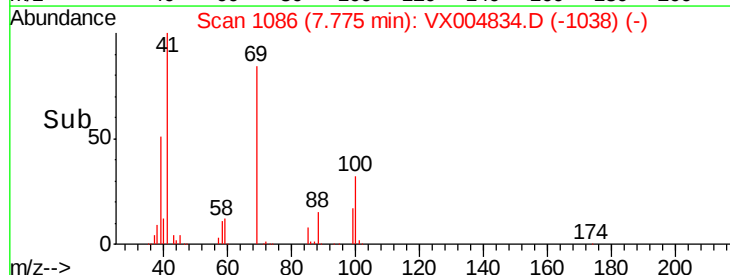
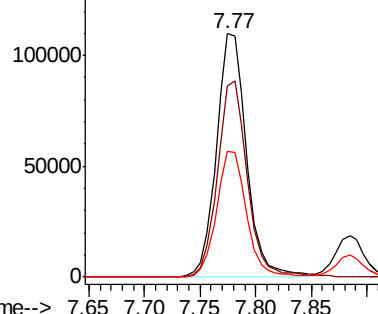
Lab File: VX004834.D

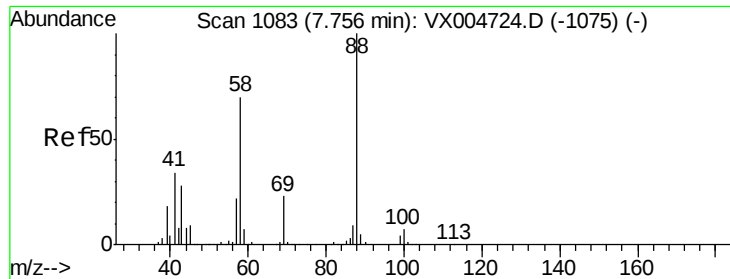
Acq: 28 Sep 2018 20:59

Tgt Ion:	41	Resp:	205712
Ion Ratio	Lower	Upper	
41	100		
69	80.6	70.2	105.4
39	51.5	42.7	64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1025.969 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

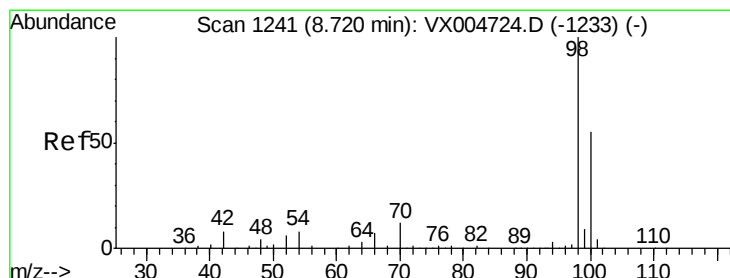
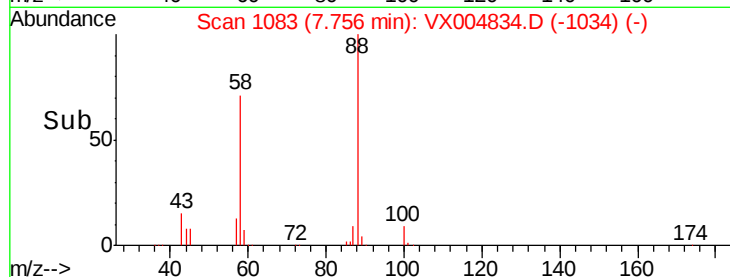
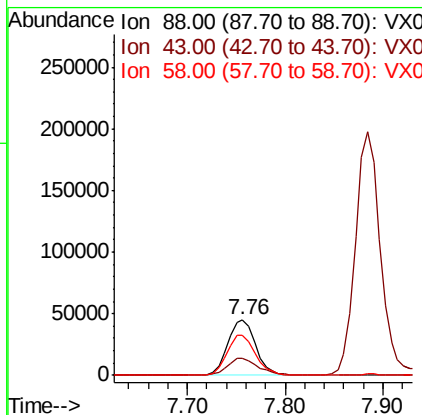
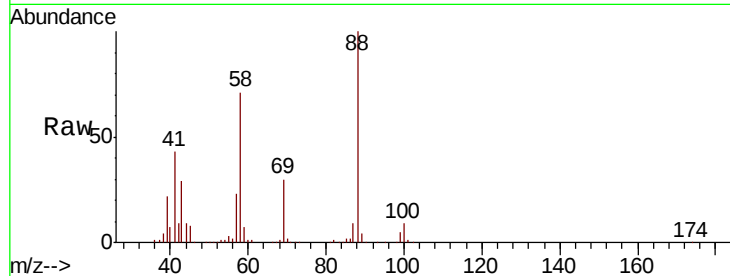
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	89104
Ion	Ratio	Lower	Upper
88	100		
43	33.4	24.7	37.1
58	74.3	55.3	82.9

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#50

Toluene-d8

Concen: 52.414 ug/l

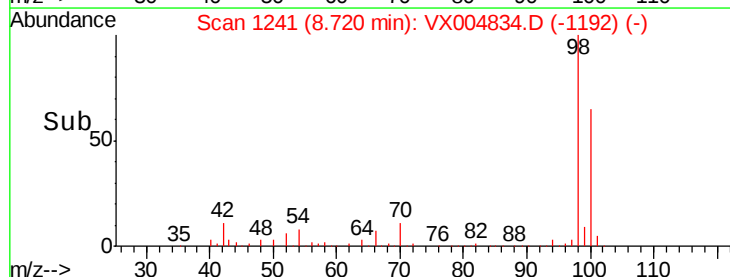
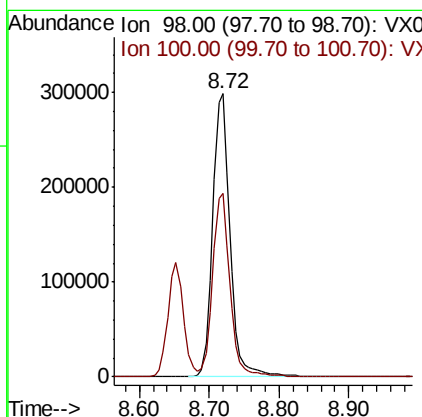
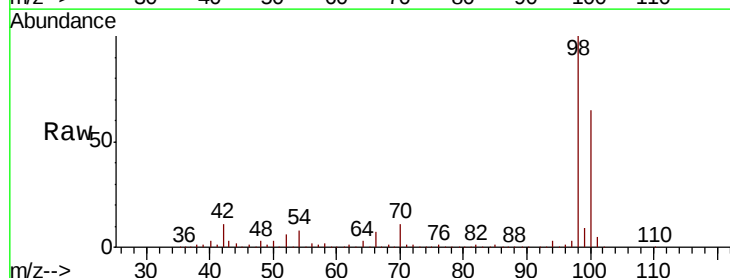
RT: 8.72 min Scan# 1241

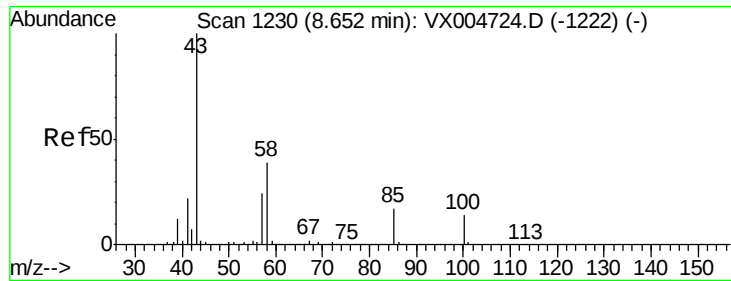
Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion:	98	Resp:	513408
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 289.022 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tot Ion: 43 Resp: 1401601

Ion Ratio Lower Upper

43 100

58 38.4 33.1 49.7

Instrument :

MSVOA_X

ClientSampleId :

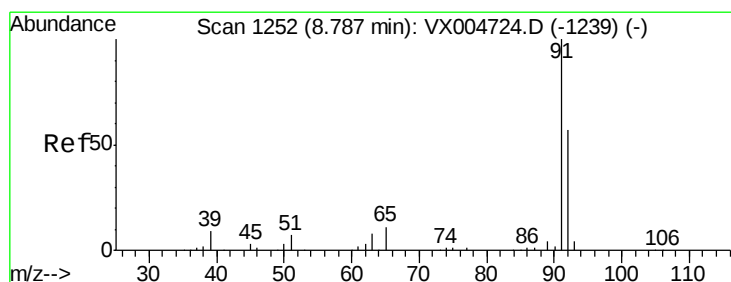
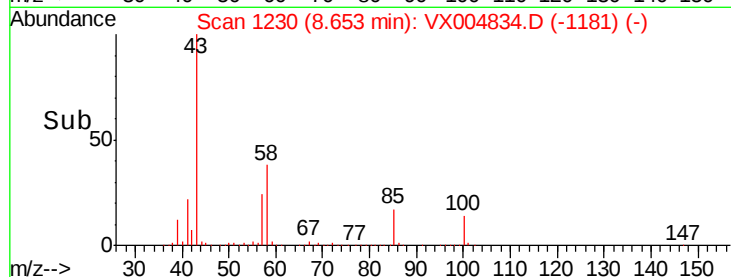
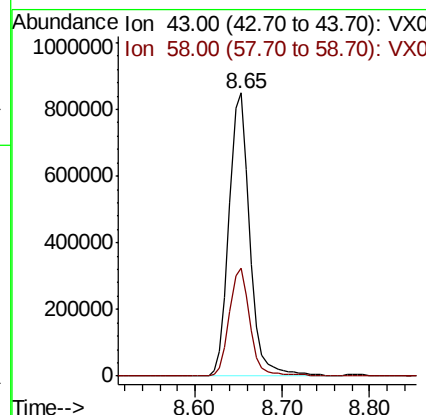
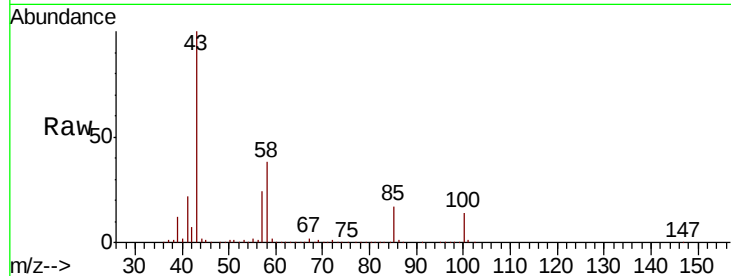
VSTDCCC050EC

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#52

Toluene

Concen: 54.606 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004834.D

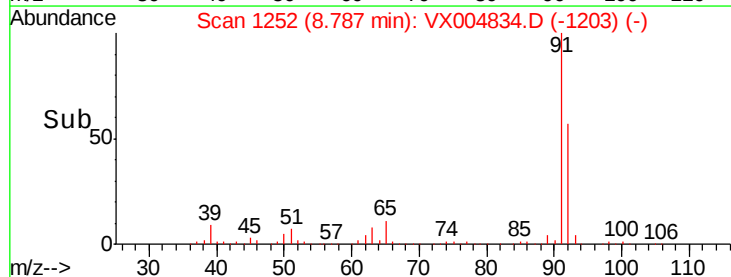
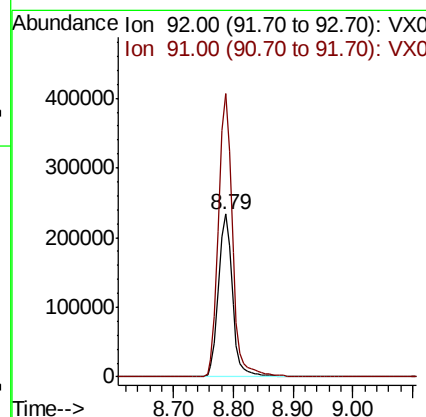
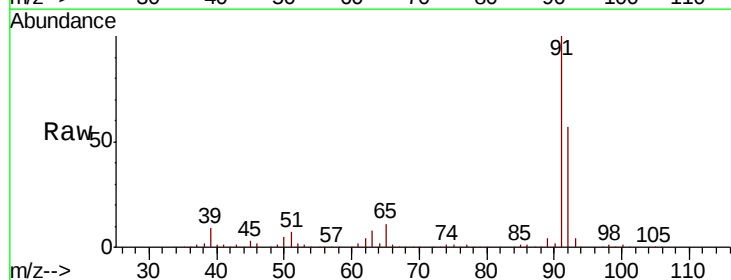
Acq: 28 Sep 2018 20:59

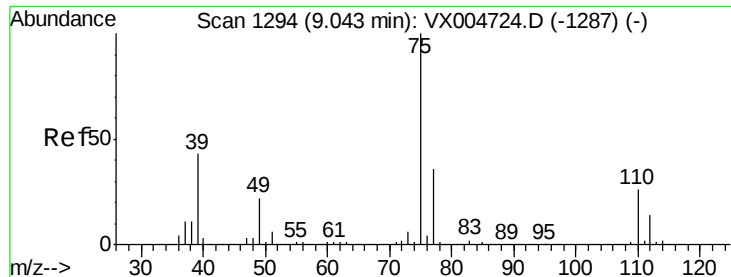
Tgt Ion: 92 Resp: 377622

Ion Ratio Lower Upper

92 100

91 174.0 136.4 204.6





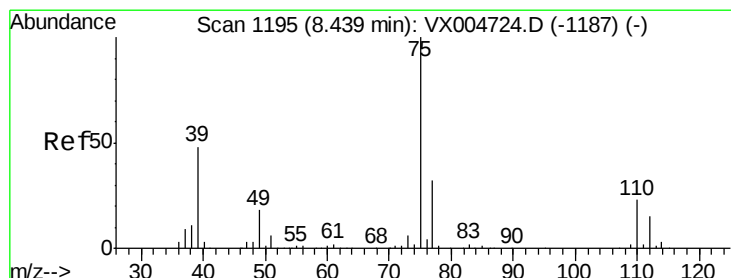
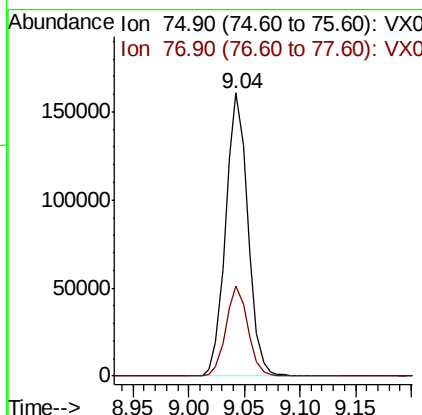
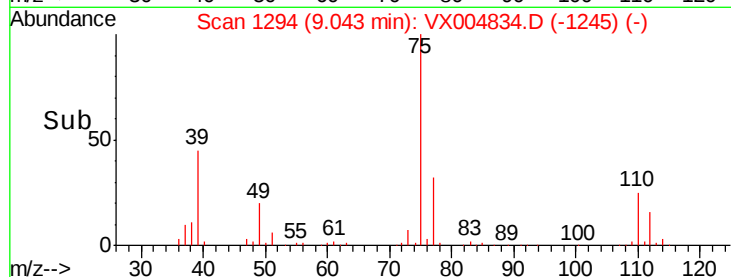
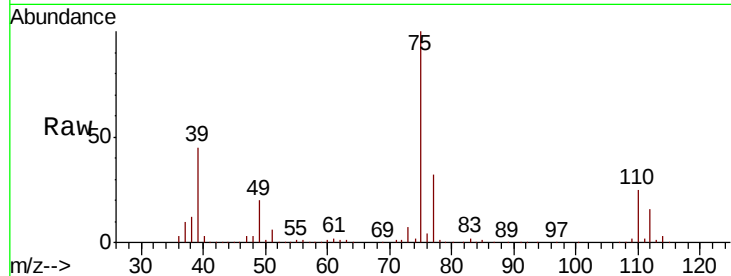
#53
t-1,3-Dichloropropene
Concen: 54.100 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 222013
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

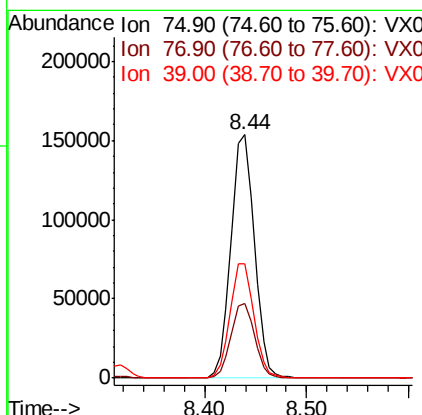
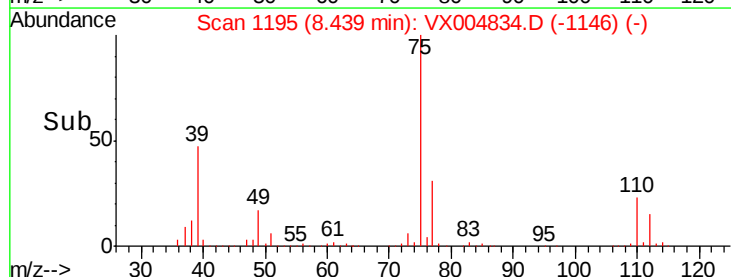
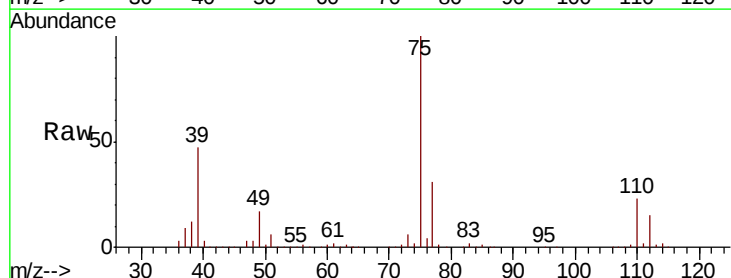
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#54
cis-1,3-Dichloropropene
Concen: 56.851 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion: 75 Resp: 244364
Ion Ratio Lower Upper
75 100
77 30.6 26.2 39.2
39 47.1 36.4 54.6





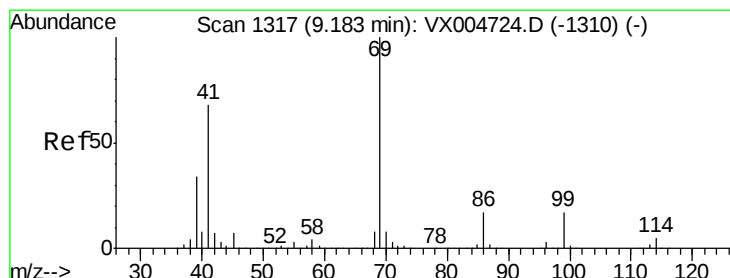
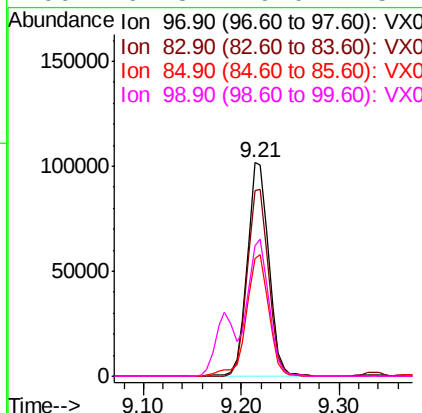
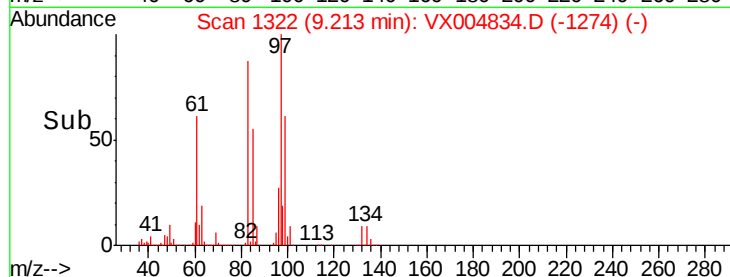
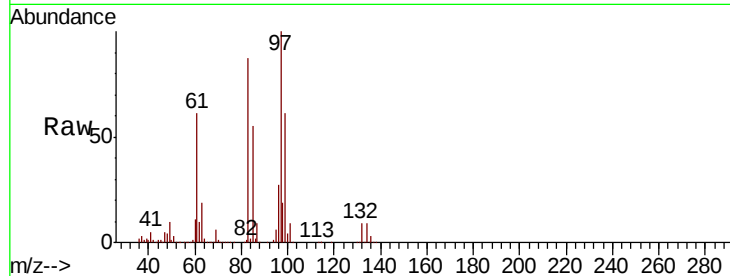
#55
 1,1,2-Trichloroethane
 Concen: 51.087 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		154752		
83	86.7	66.4	99.6		
85	55.4	43.3	64.9		
99	61.3	49.0	73.4		

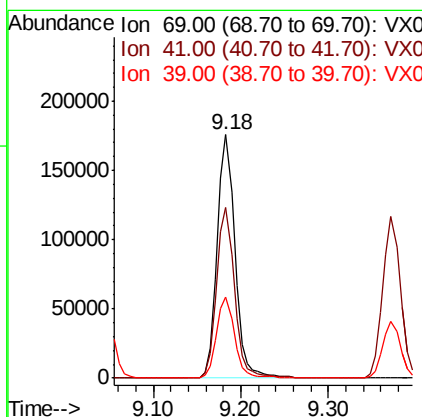
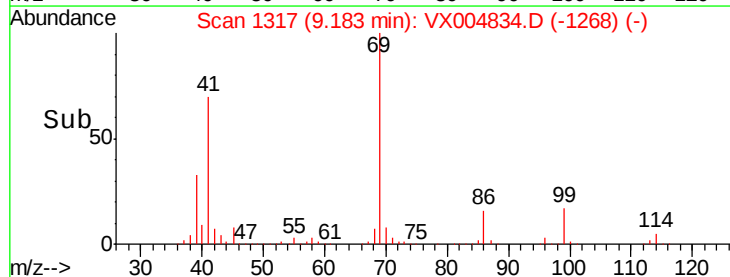
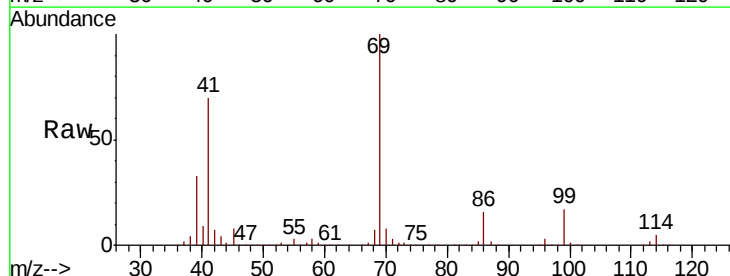
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#56
 Ethyl methacrylate
 Concen: 50.583 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		248815		
41	70.4	51.0	76.4		
39	33.6	26.1	39.1		





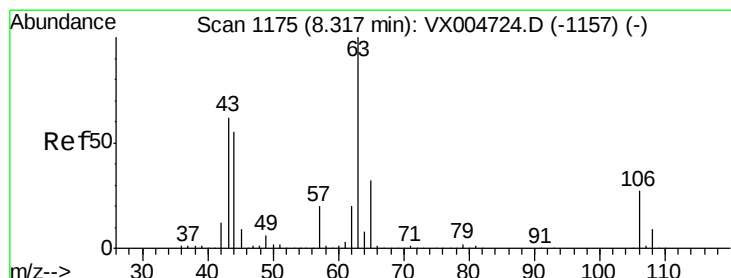
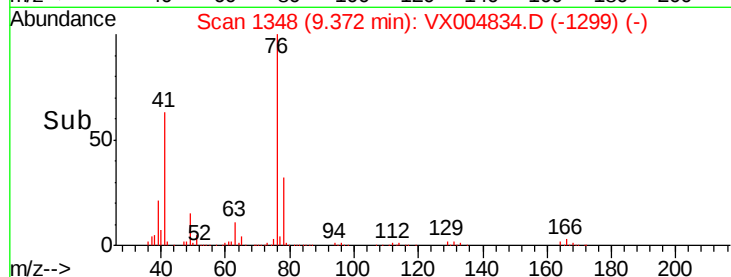
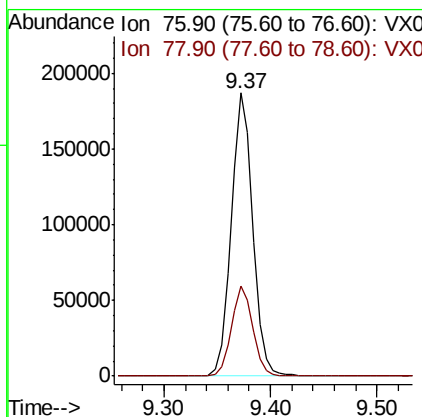
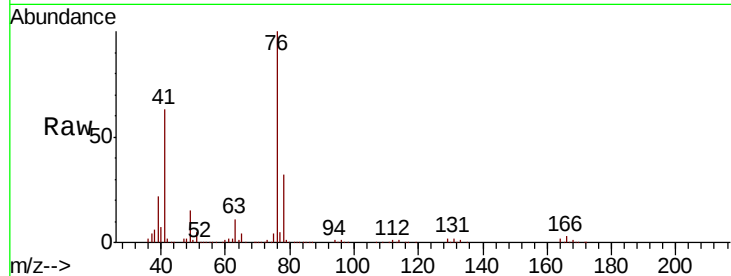
#57
 1,3-Dichloropropane
 Concen: 52.375 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

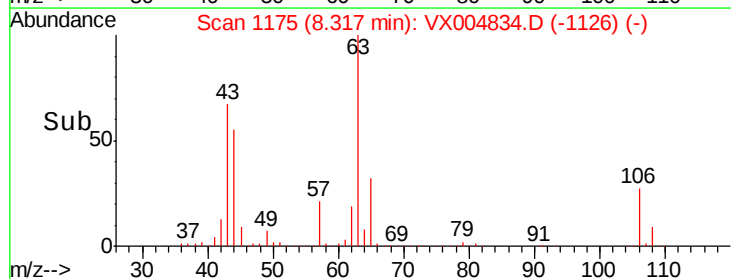
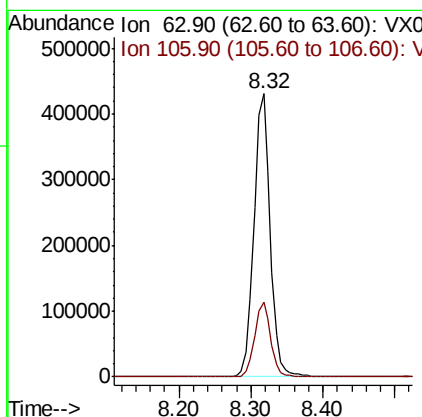
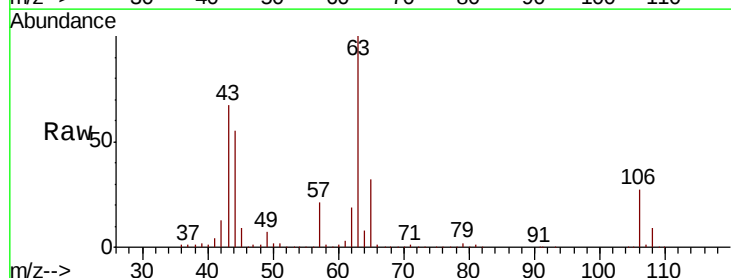
Manual Integrations
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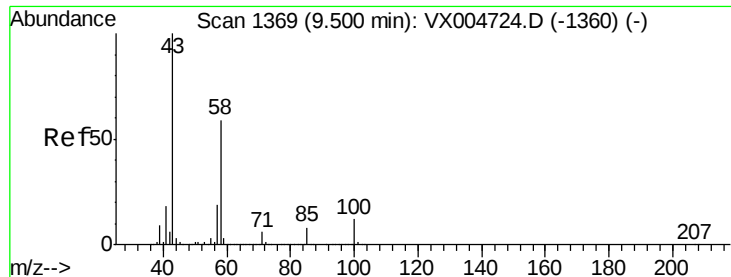
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#58
 2-Chloroethyl Vinyl ether
 Concen: 258.670 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	23.9	35.9





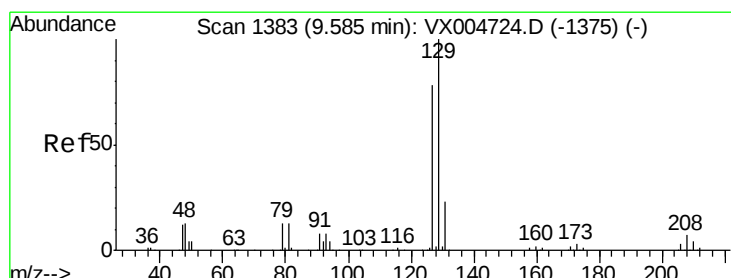
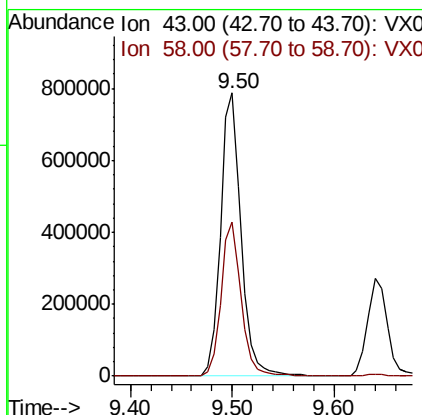
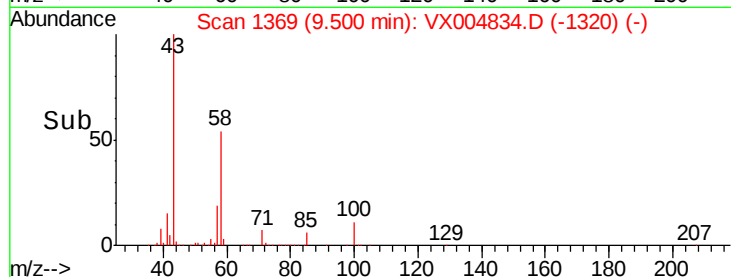
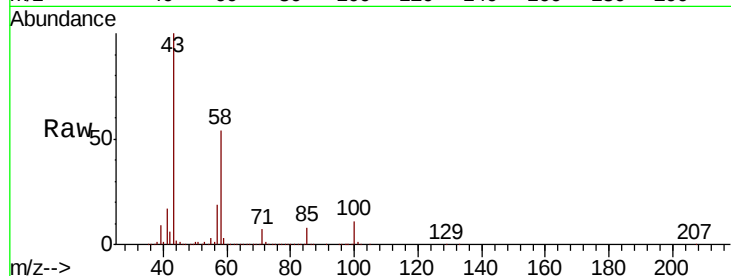
#59
2-Hexanone
Concen: 272.788 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1102375
Ion Ratio Lower Upper
43 100
58 53.5 29.0 87.0

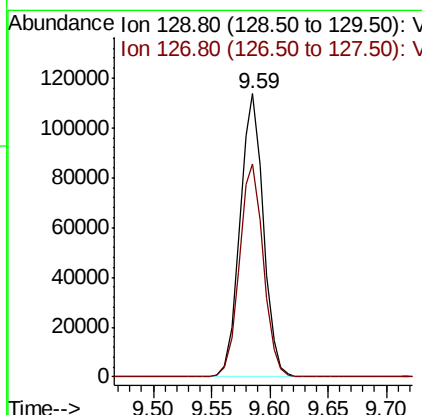
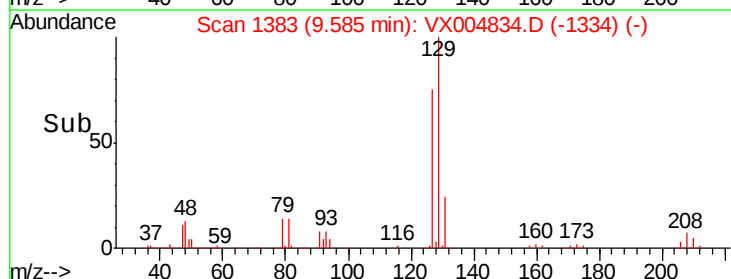
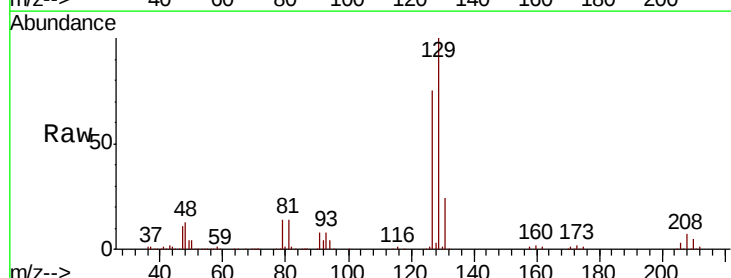
Manual Integrations
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#60
Dibromochloromethane
Concen: 52.717 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion: 129 Resp: 159701
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.870 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 161785

Ion Ratio Lower Upper

107 100

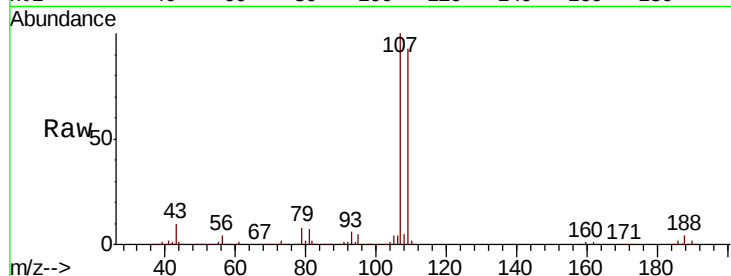
109 94.6 76.0 114.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

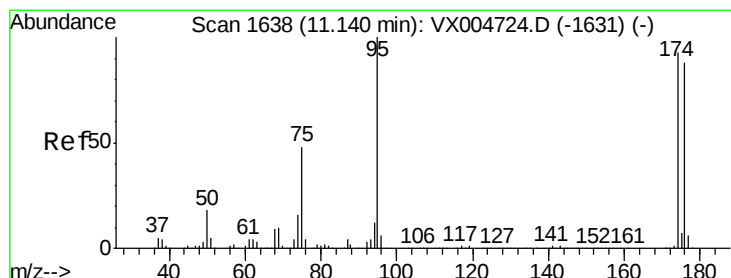
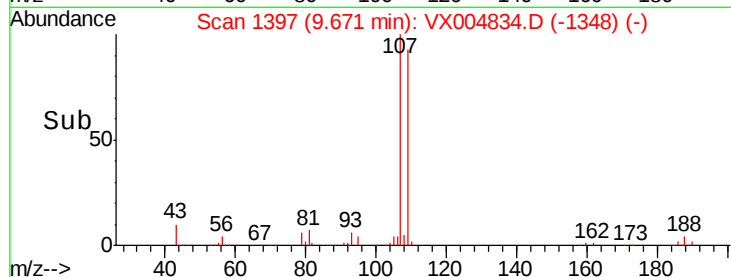
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.049 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

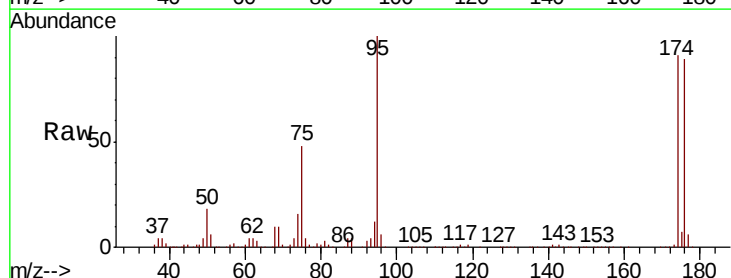
Tgt Ion: 95 Resp: 190728

Ion Ratio Lower Upper

95 100

174 90.3 0.0 185.2

176 88.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

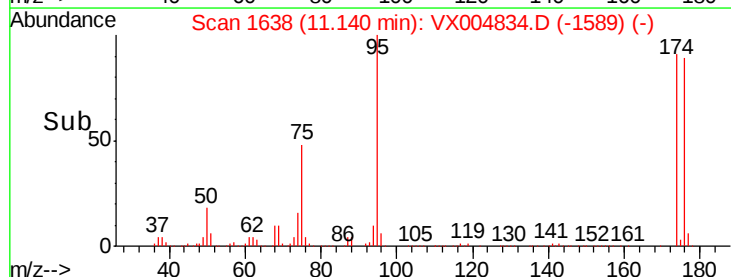
150000

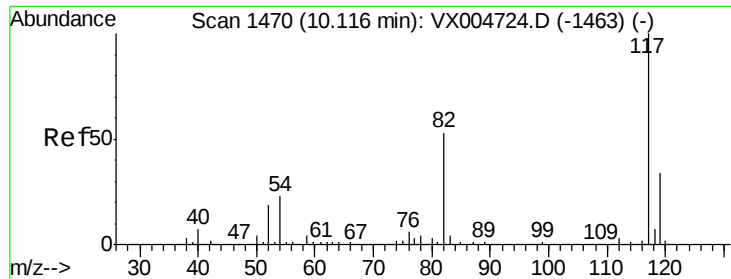
100000

50000

0

Time-->





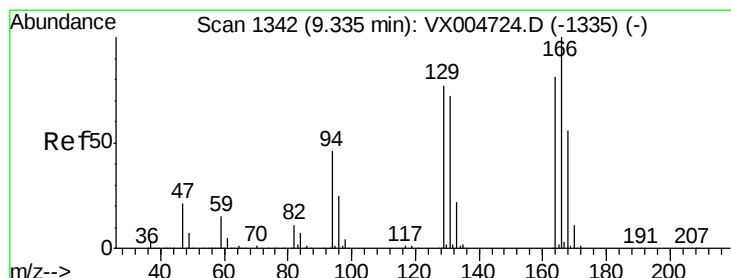
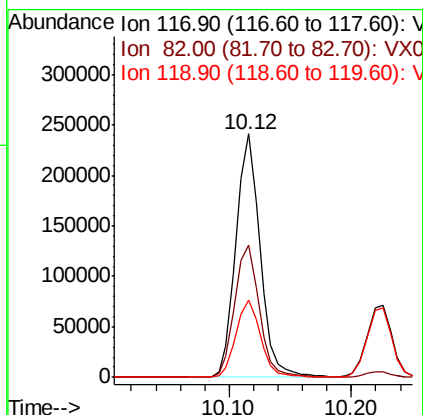
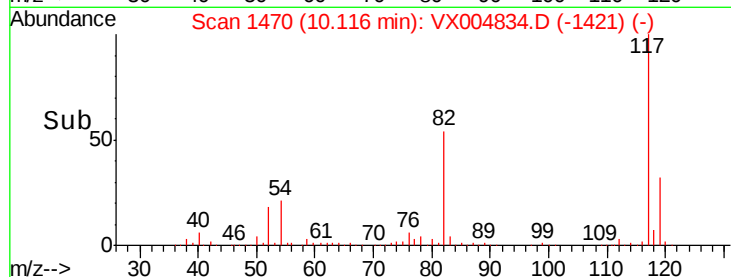
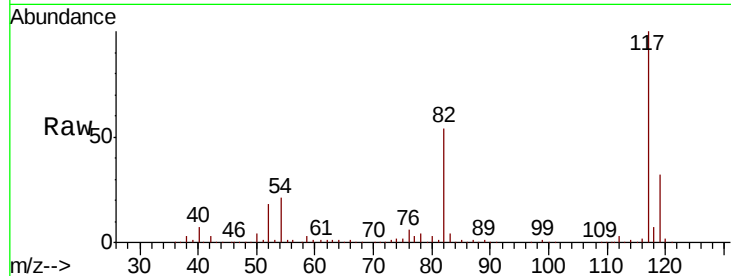
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	47.8	71.6
119	31.5	29.3	43.9

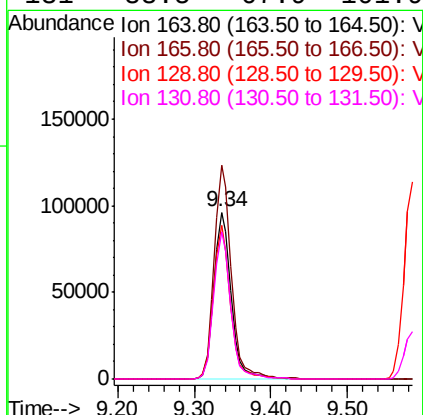
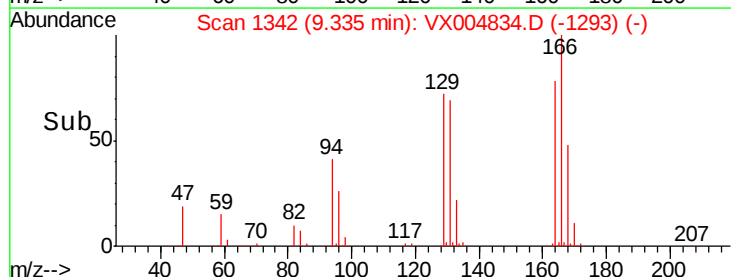
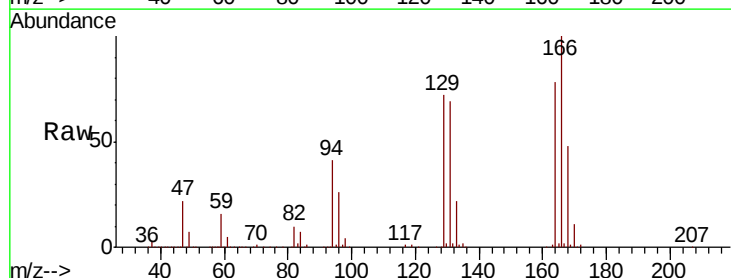
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#64
Tetrachloroethene
Concen: 46.376 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.8	154.2
129	91.8	69.4	104.0
131	88.5	67.9	101.9





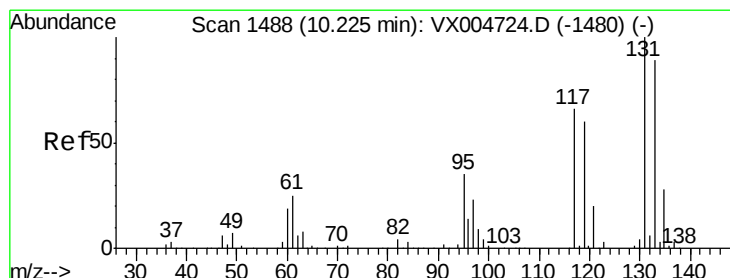
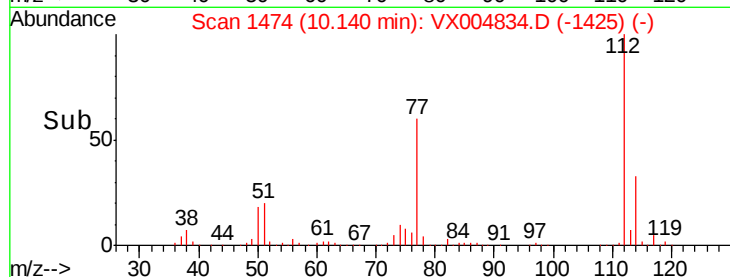
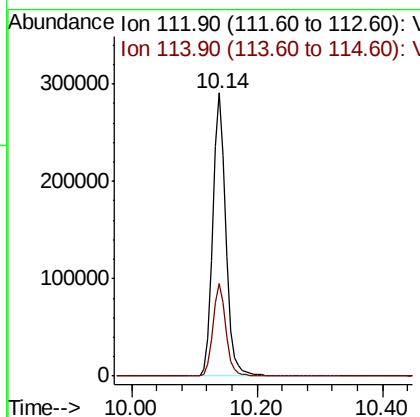
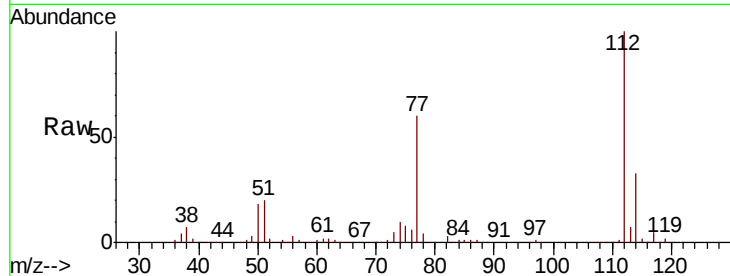
#65
Chlorobenzene
Concen: 49.210 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 418155
Ion Ratio Lower Upper
112 100
114 32.9 27.8 41.8

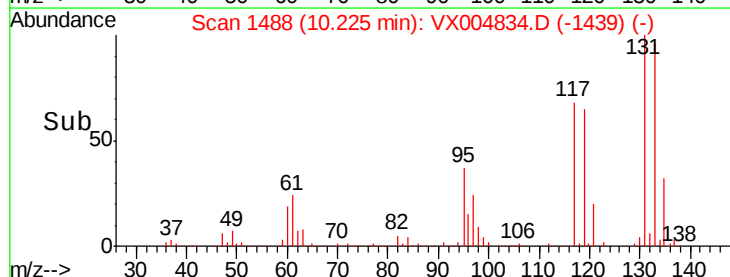
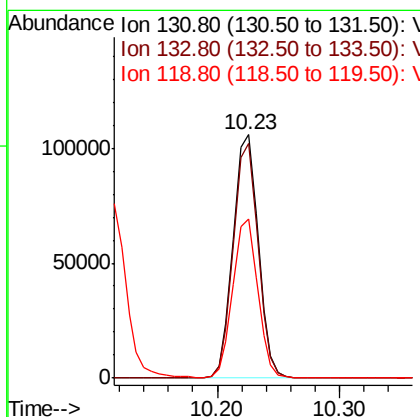
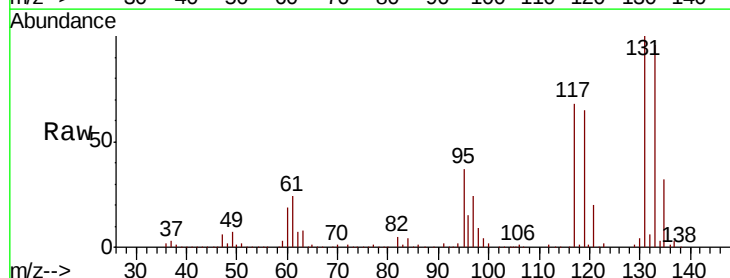
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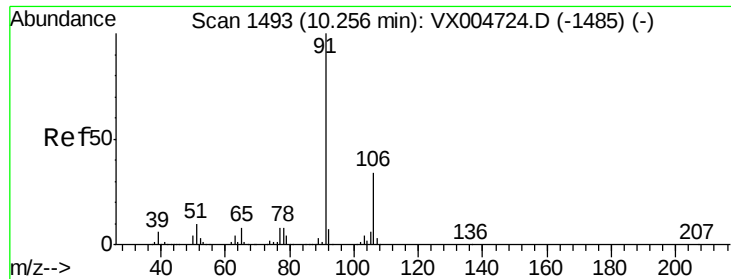
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.333 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion:131 Resp: 150360
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.4
119 65.1 32.9 98.6





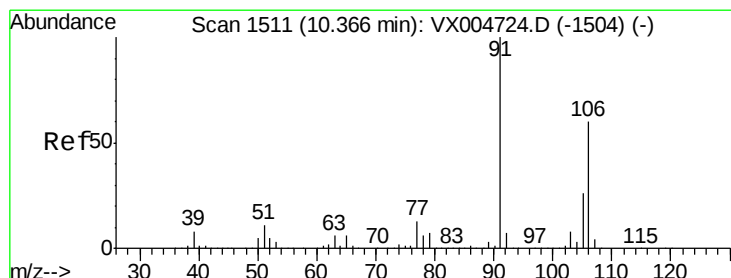
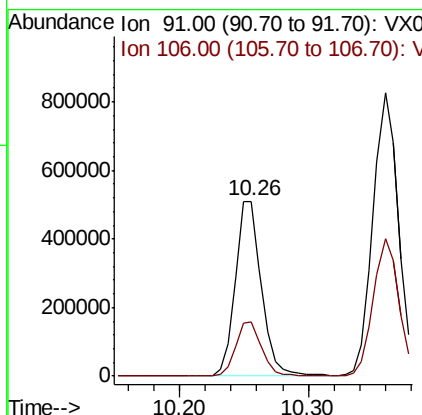
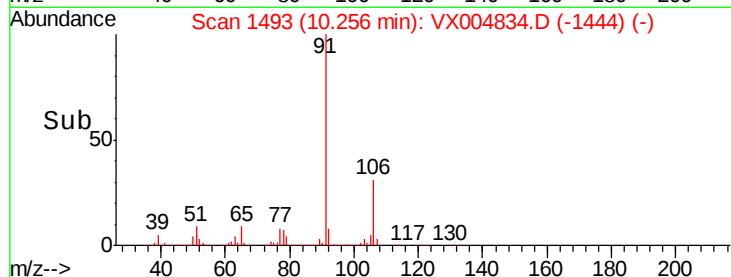
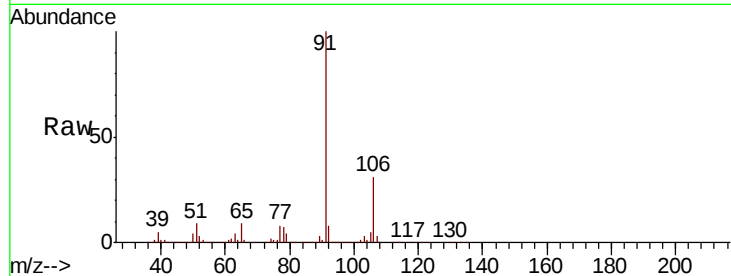
#67
Ethyl Benzene
Concen: 53.561 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 722577
Ion Ratio Lower Upper
91 100
106 31.2 25.9 38.9

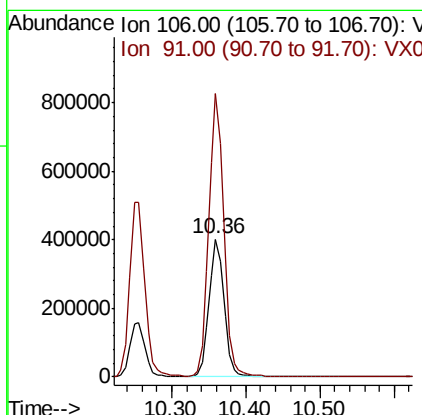
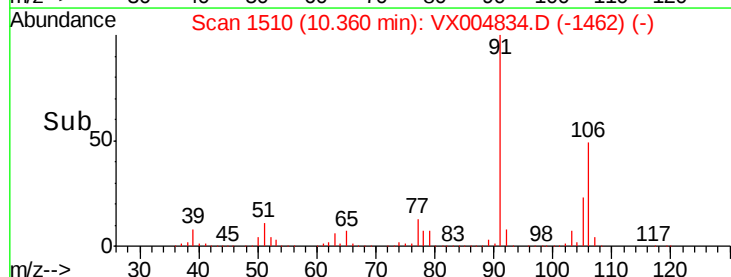
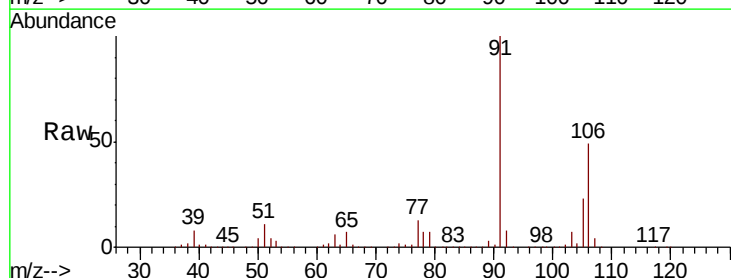
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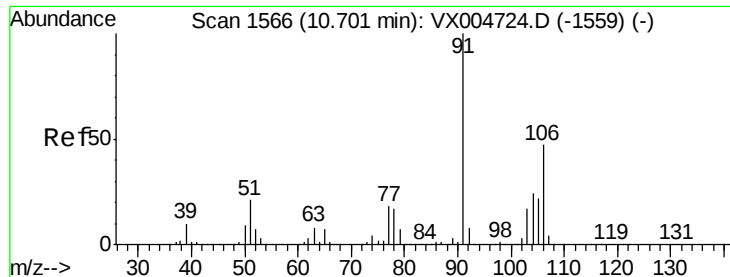
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#68
m/p-Xylenes
Concen: 105.824 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion: 106 Resp: 557877
Ion Ratio Lower Upper
106 100
91 204.6 157.1 235.7





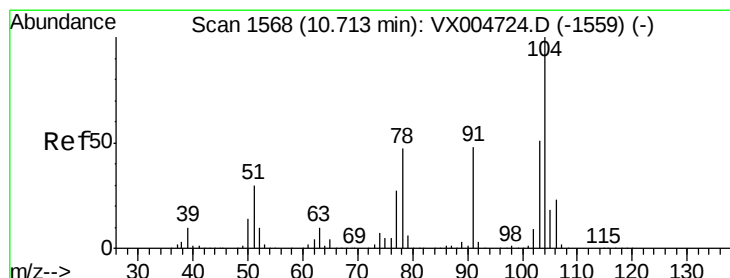
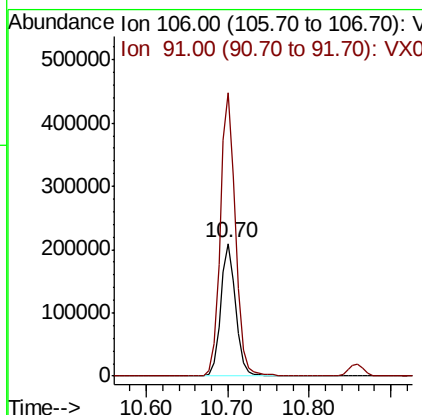
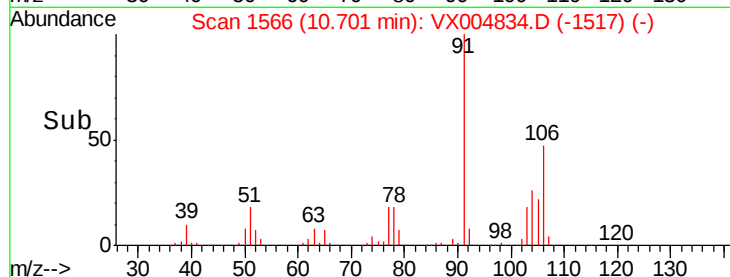
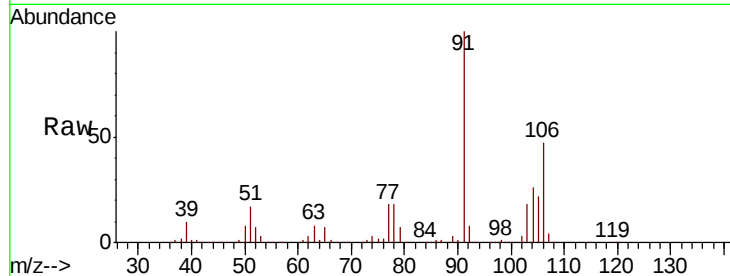
#69
o-Xylene
Concen: 55.574 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 269095
Ion Ratio Lower Upper
106 100
91 217.0 105.1 315.1

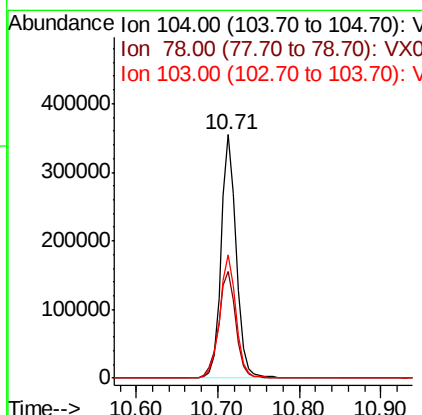
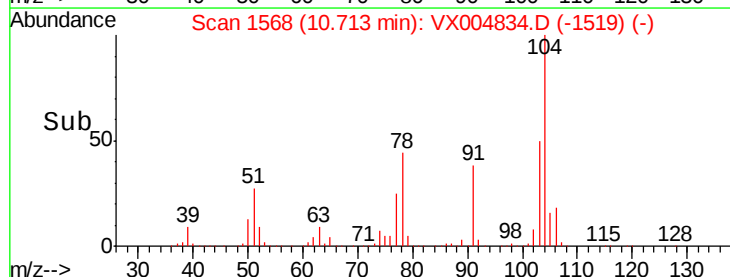
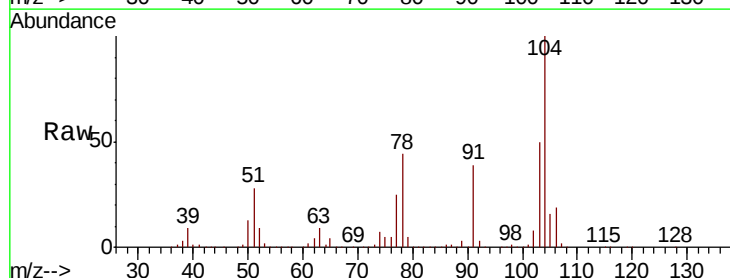
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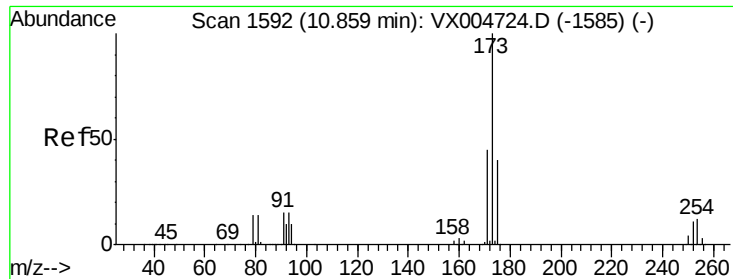
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#70
Styrene
Concen: 50.816 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion:104 Resp: 460526
Ion Ratio Lower Upper
104 100
78 50.0 37.4 56.0
103 54.9 43.8 65.6





#71

Bromoform

Concen: 51.050 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 130561

Ion Ratio Lower Upper

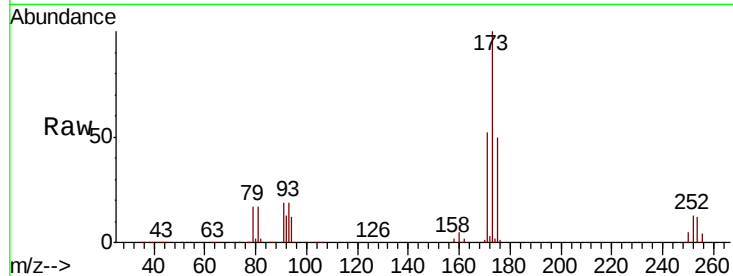
173 100

175 48.9 24.1 72.3

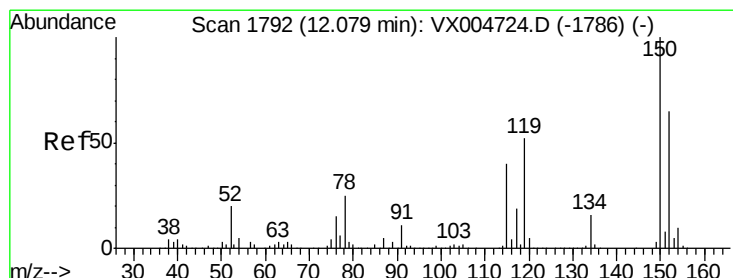
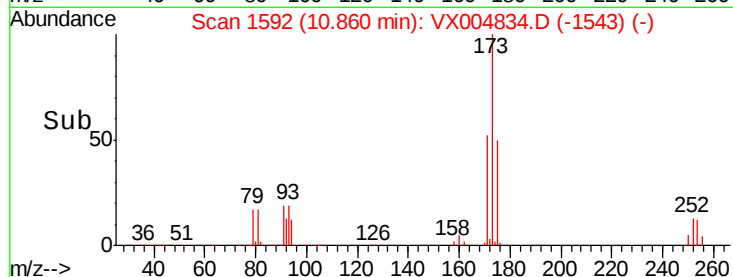
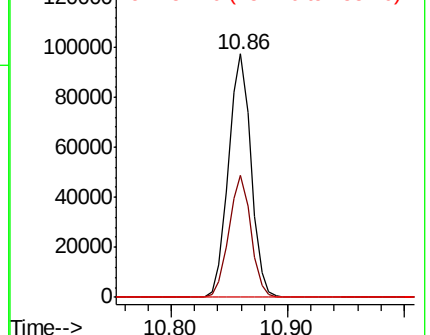
254 0.2 0.2 0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

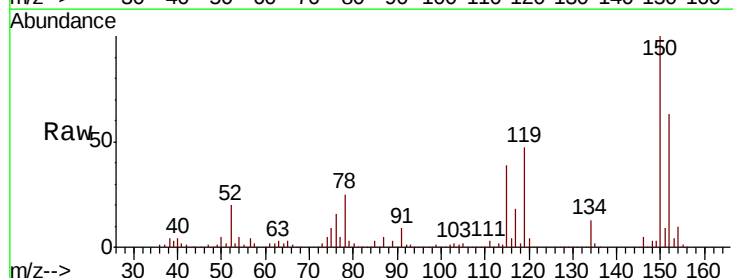
Tgt Ion:152 Resp: 205527

Ion Ratio Lower Upper

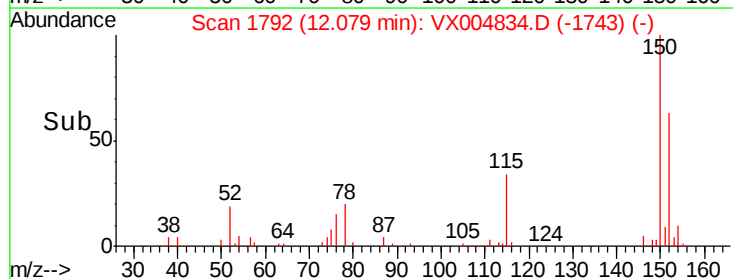
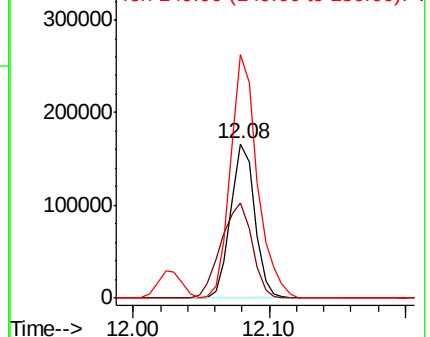
152 100

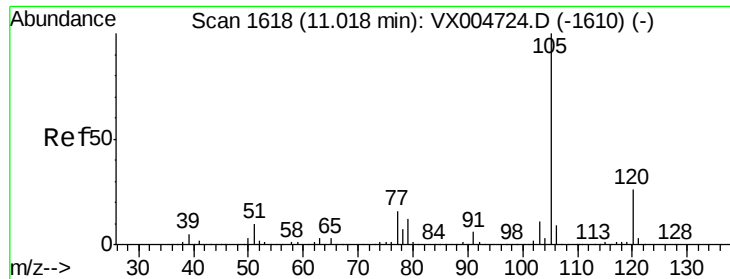
115 79.7 39.0 117.0

150 175.3 0.0 351.0



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: 56.058 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 726212

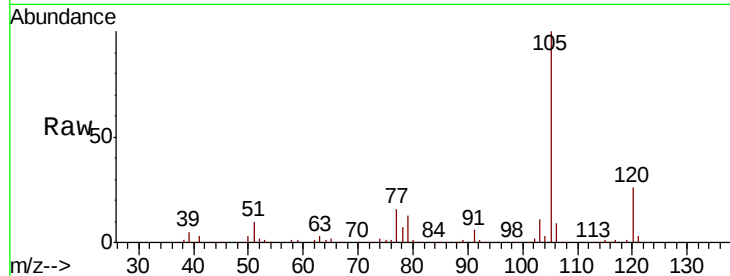
Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.4

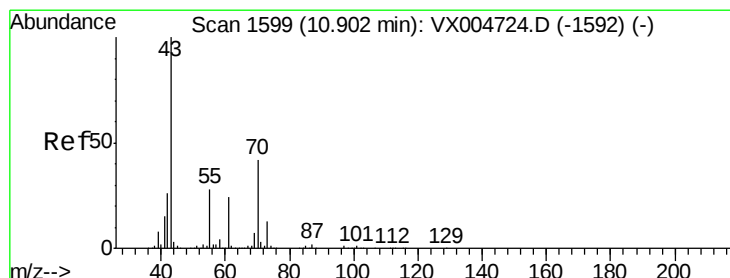
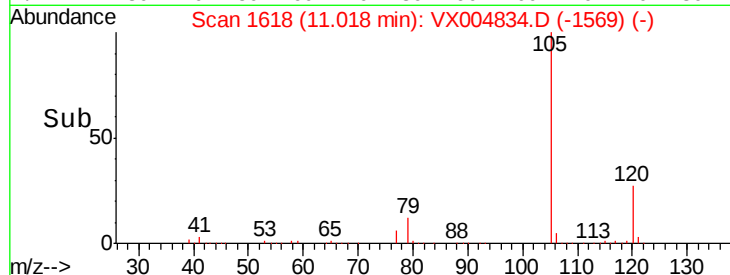
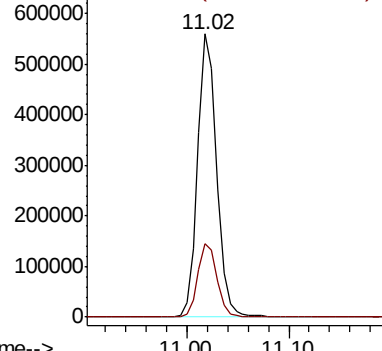
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.808 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion: 43 Resp: 361985

Ion Ratio Lower Upper

43 100

70 40.6 37.4 56.0

55 25.1 21.8 32.8

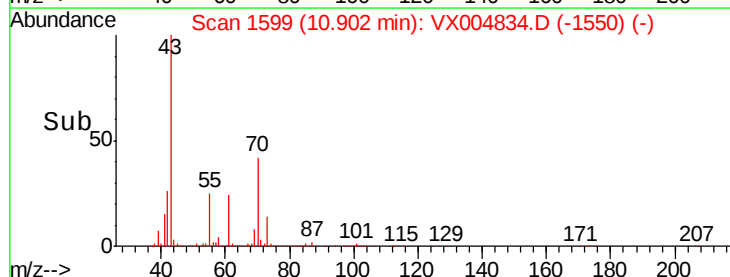
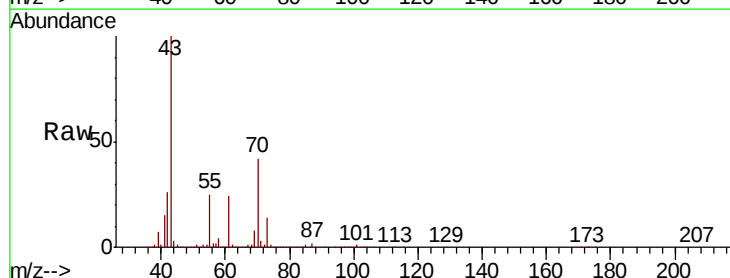
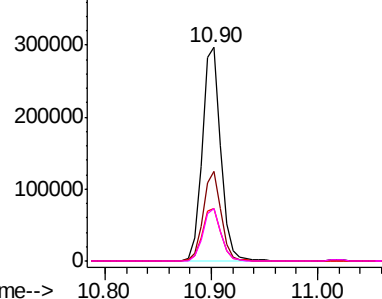
61 23.9 20.6 30.8

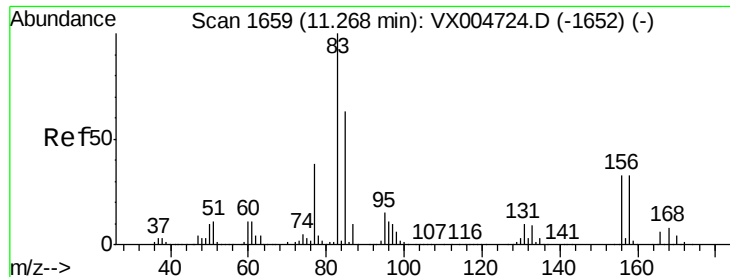
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.837 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

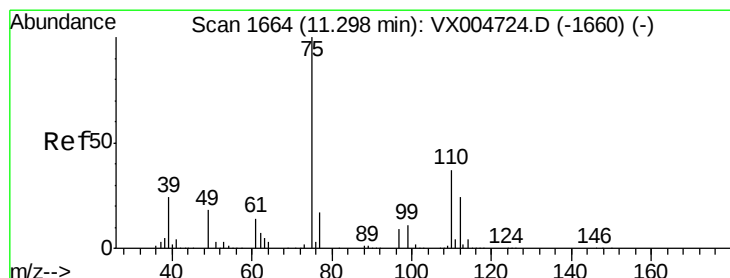
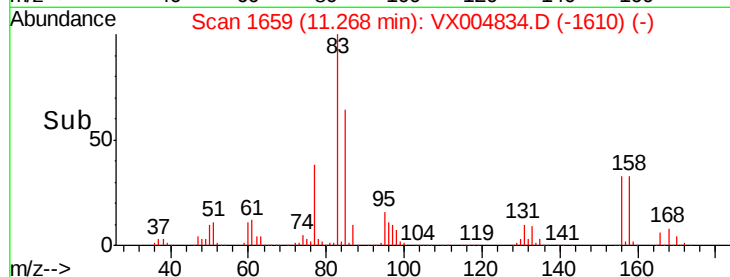
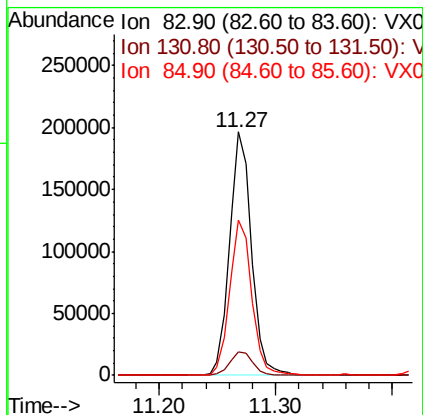
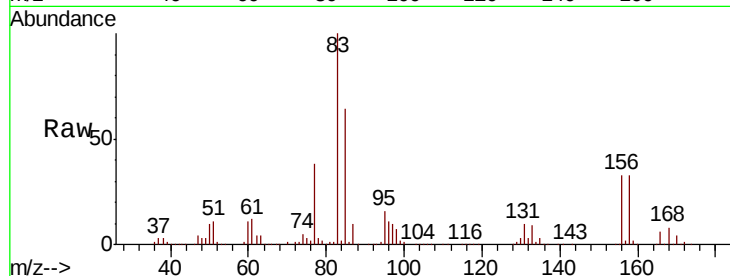
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	257540
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.5	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 51.165 ug/l m

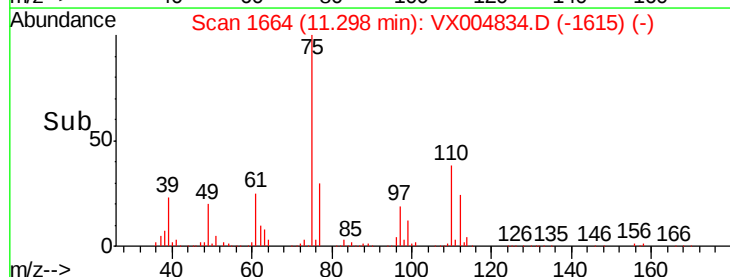
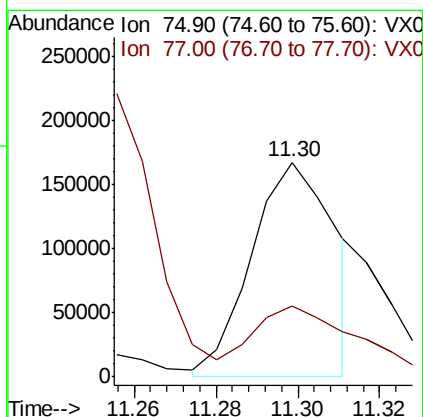
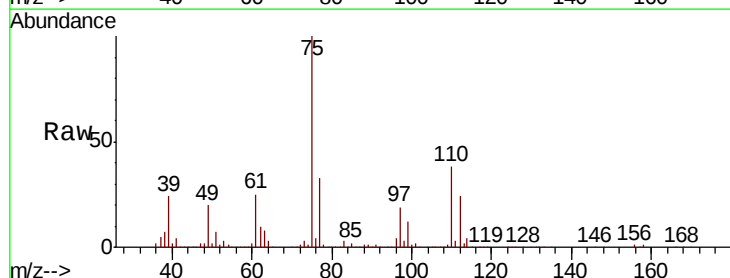
RT: 11.30 min Scan# 1664

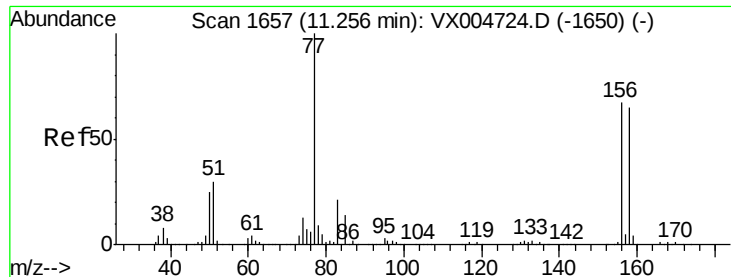
Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion:	75	Resp:	235696
Ion Ratio	Lower	Upper	
75	100		
77	41.5	20.2	60.6





#77

Bromobenzene

Concen: 51.578 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 194076

Ion Ratio Lower Upper

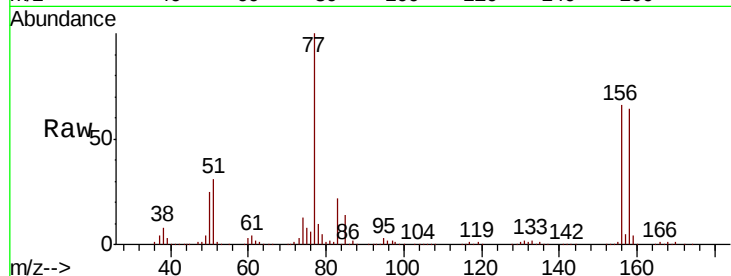
156 100

77 147.9 71.5 214.3

158 97.2 48.9 146.8

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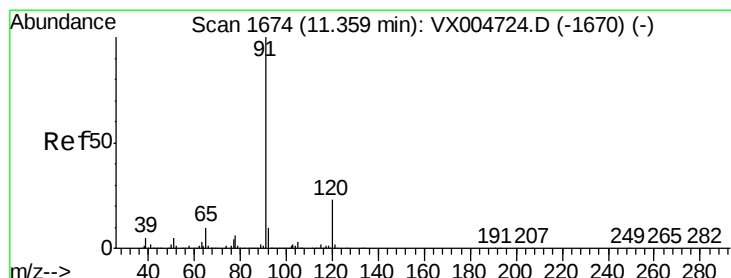
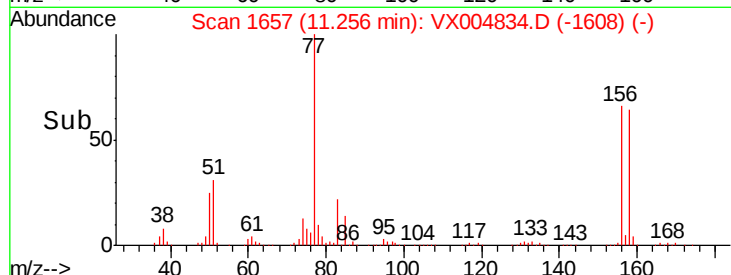
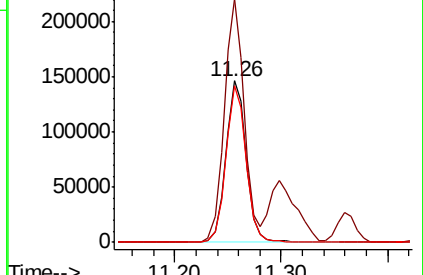
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.403 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004834.D

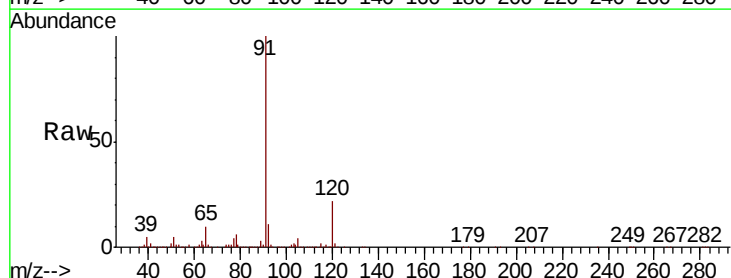
Acq: 28 Sep 2018 20:59

Tgt Ion: 91 Resp: 838370

Ion Ratio Lower Upper

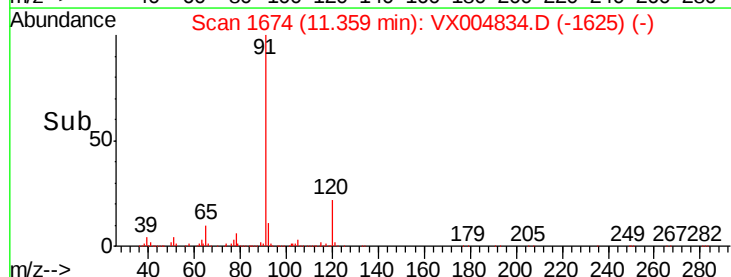
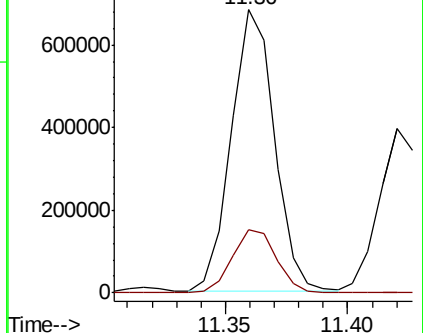
91 100

120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.808 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 498527

Ion Ratio Lower Upper

91 100

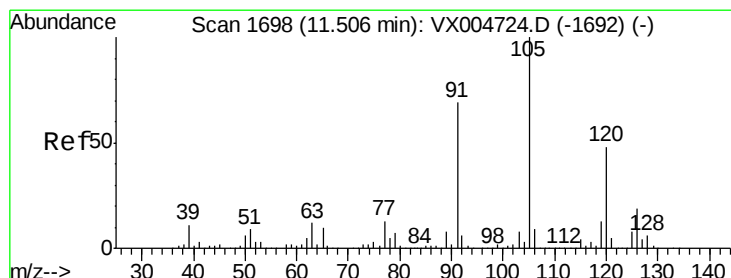
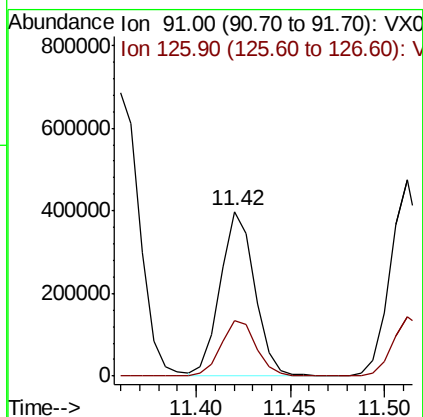
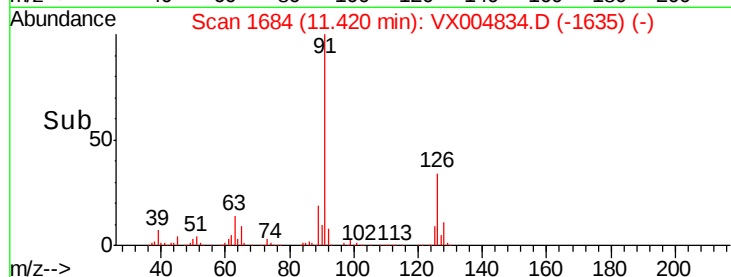
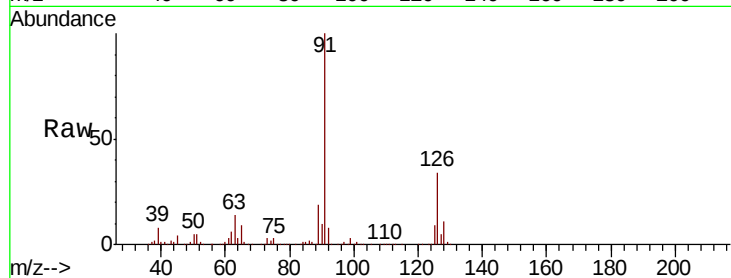
126 35.2 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 52.288 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004834.D

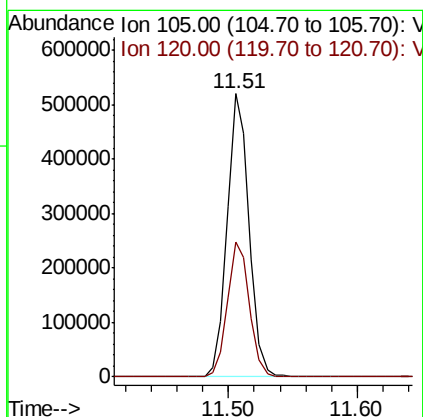
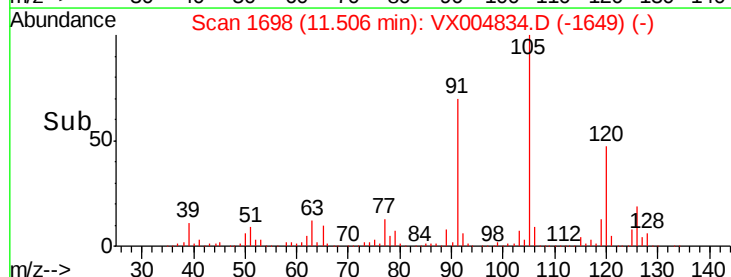
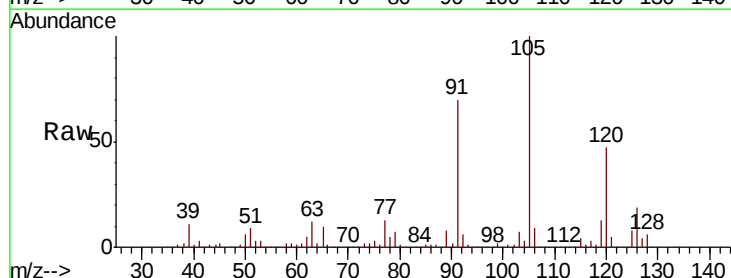
Acq: 28 Sep 2018 20:59

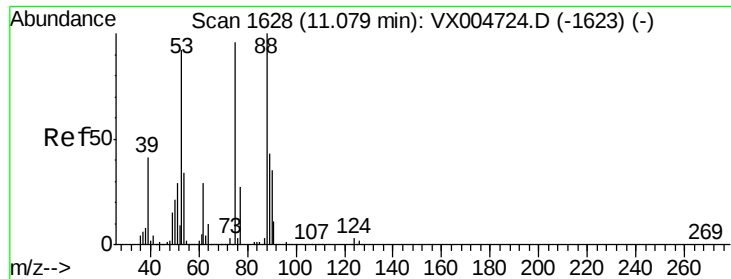
Tgt Ion: 105 Resp: 620730

Ion Ratio Lower Upper

105 100

120 48.1 25.6 76.8





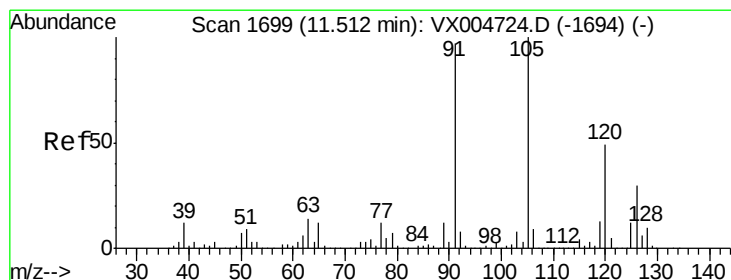
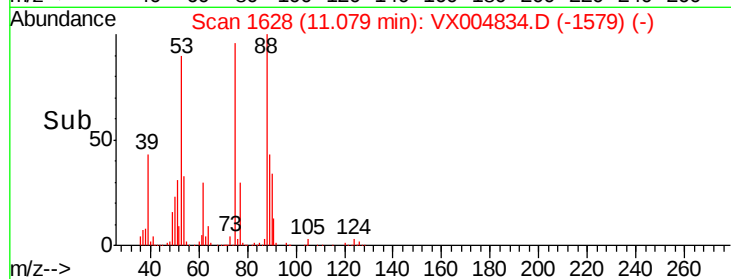
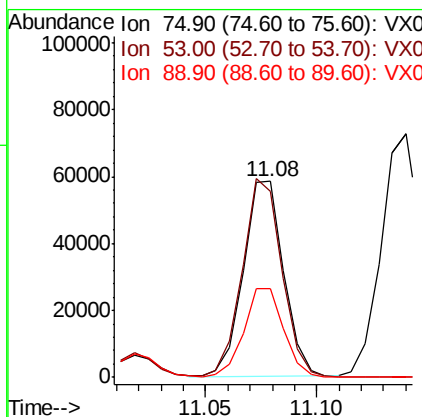
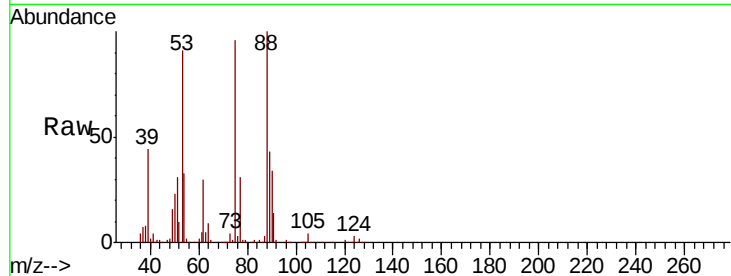
#81
trans-1,4-Dichloro-2-butene
Concen: 43.879 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.8	80.1	120.1
89	45.9	37.2	55.8

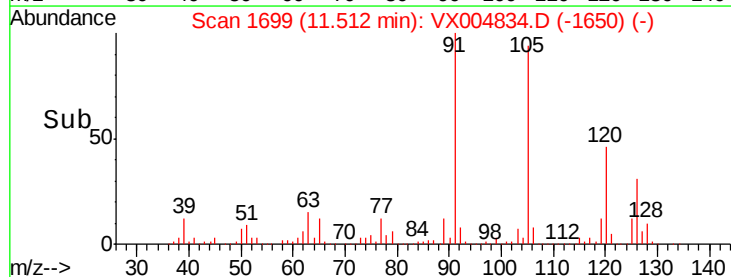
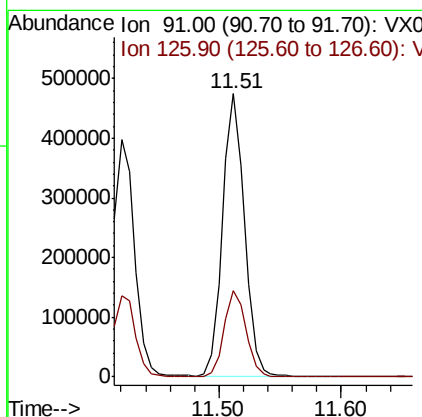
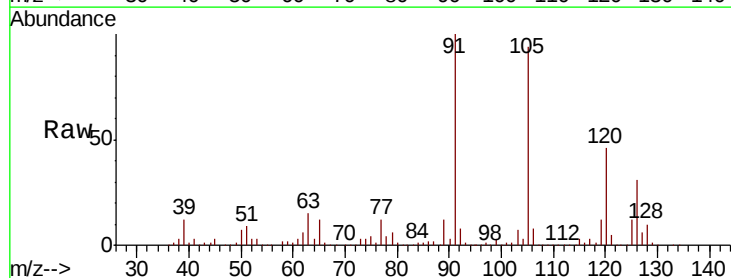
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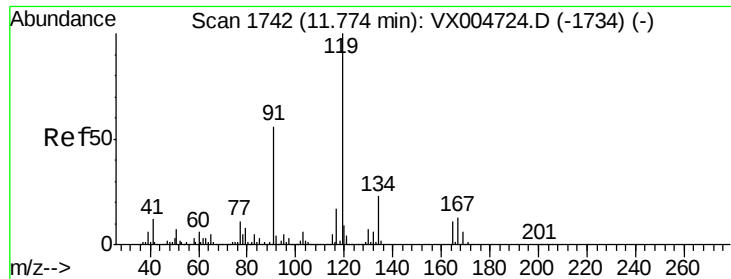
MMDadoda
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#82
4-Chlorotoluene
Concen: 54.267 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.5	46.5





#83

tert-Butylbenzene

Concen: 56.829 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

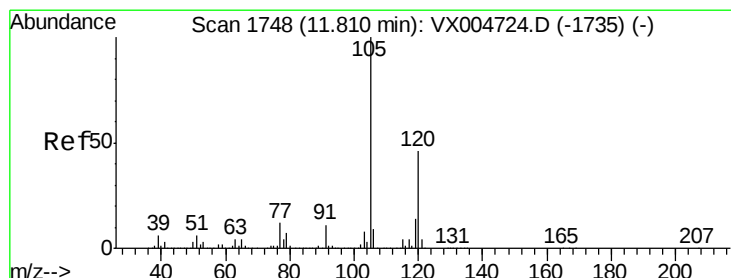
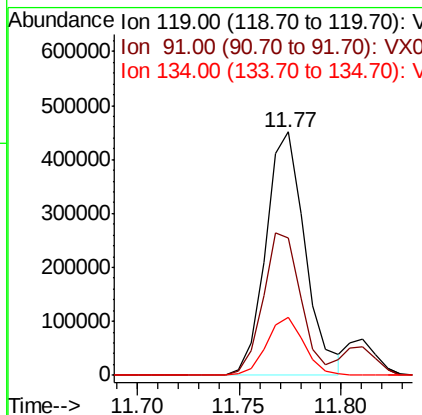
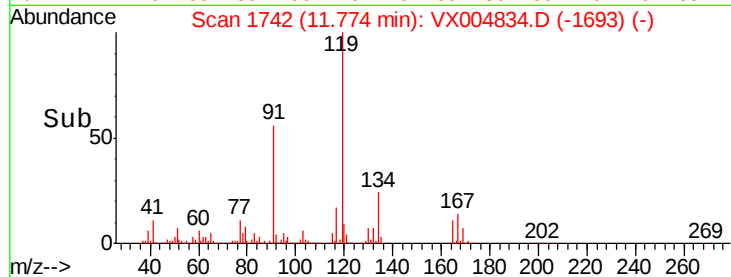
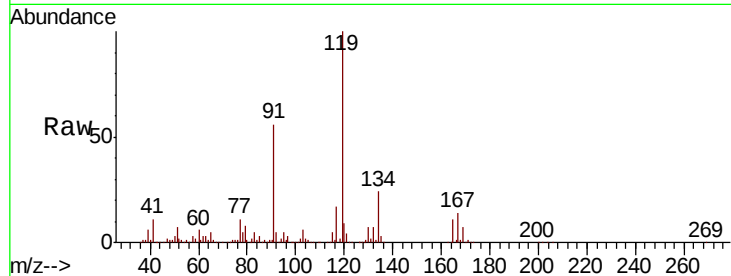
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	606133
Ion Ratio	Lower	Upper	
119	100		
91	56.1	27.0	81.0
134	22.6	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 52.175 ug/l

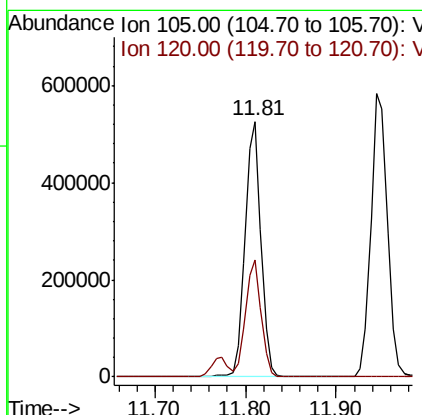
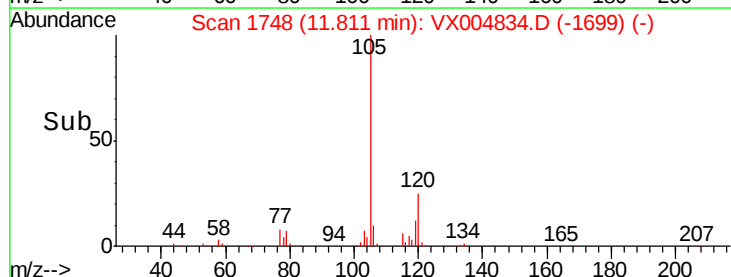
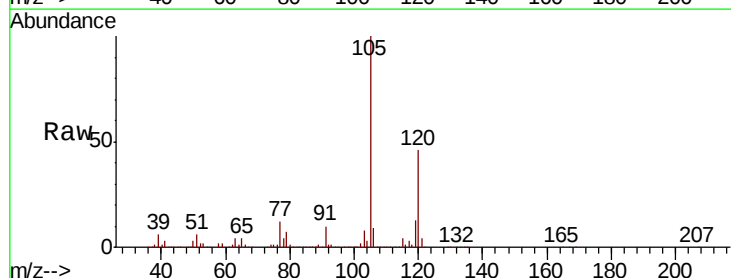
RT: 11.81 min Scan# 1748

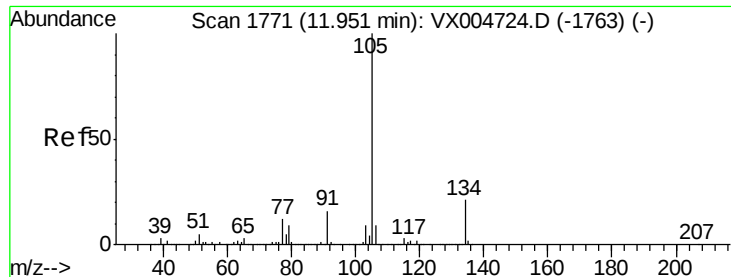
Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion:	105	Resp:	638761
Ion Ratio	Lower	Upper	
105	100		
120	44.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 56.454 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 733420

Ion Ratio Lower Upper

105 100

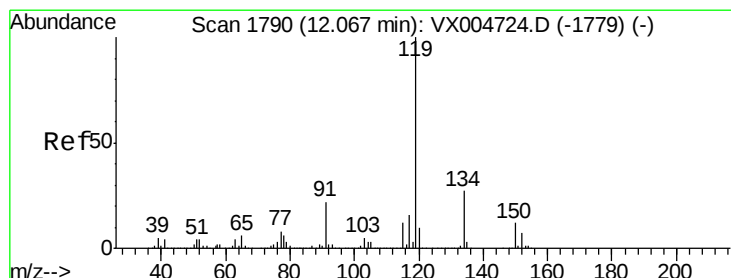
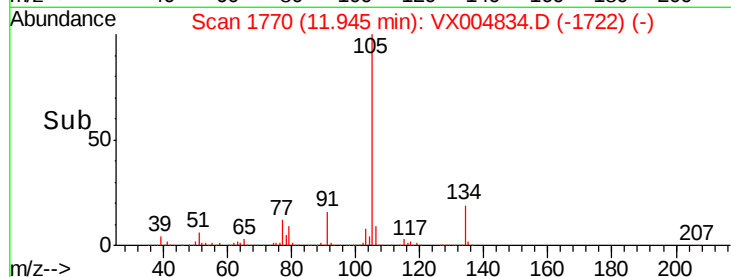
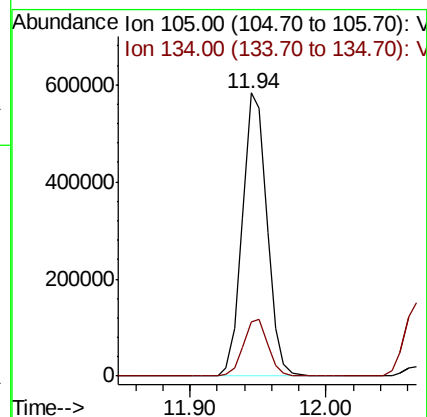
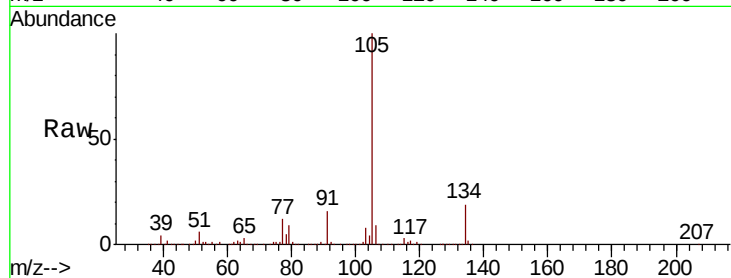
134 20.2 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 56.334 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

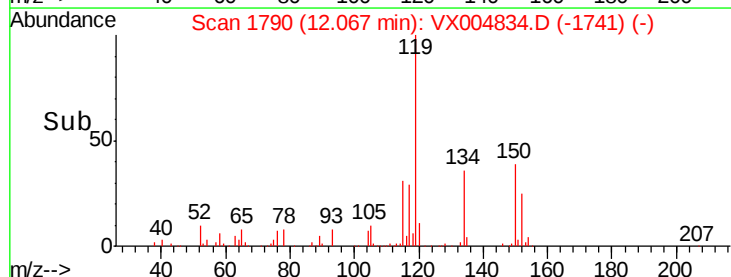
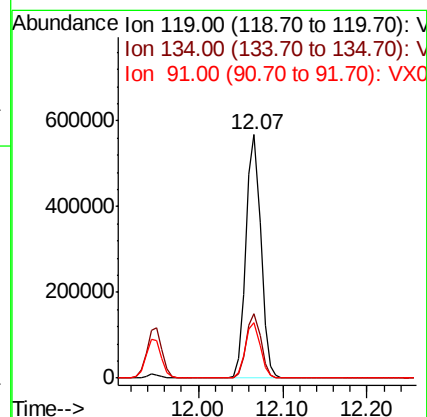
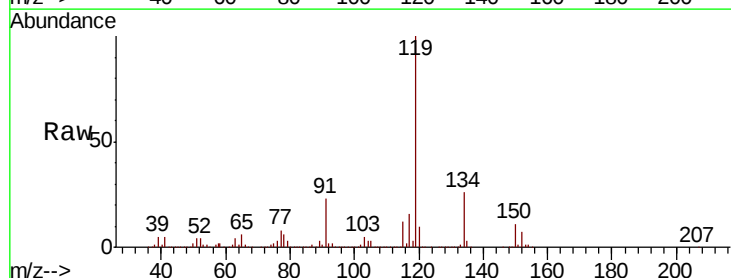
Tgt Ion:119 Resp: 663075

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.9 10.9 32.7





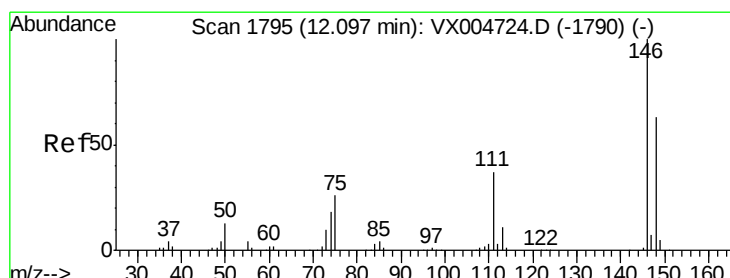
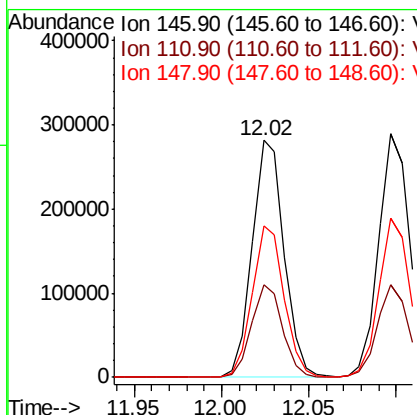
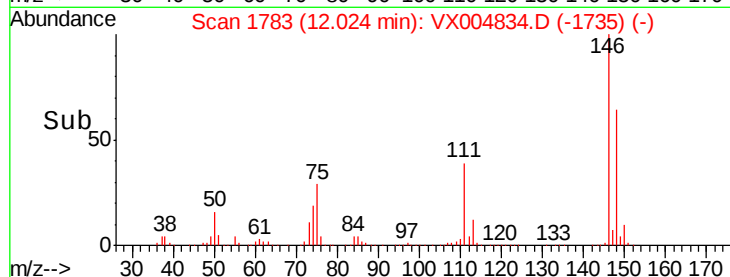
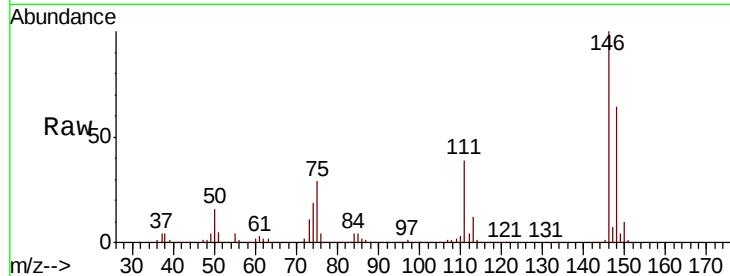
#87
 1,3-Dichlorobenzene
 Concen: 50.773 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.0	32.1	96.5

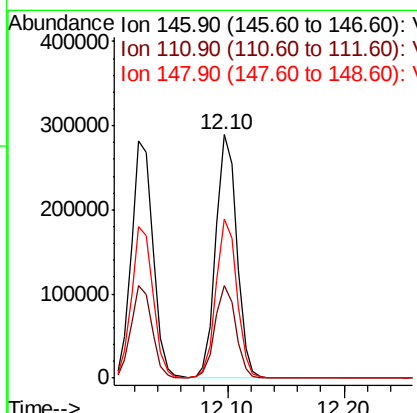
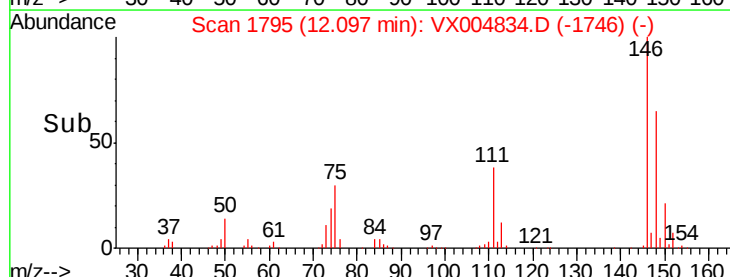
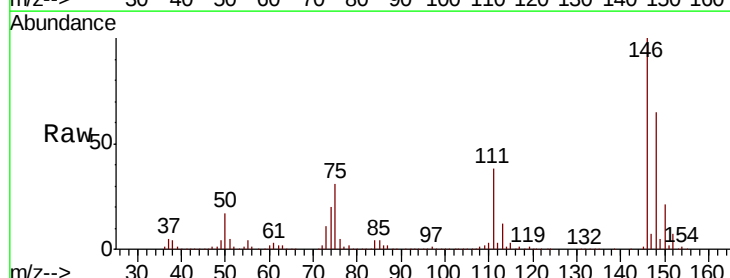
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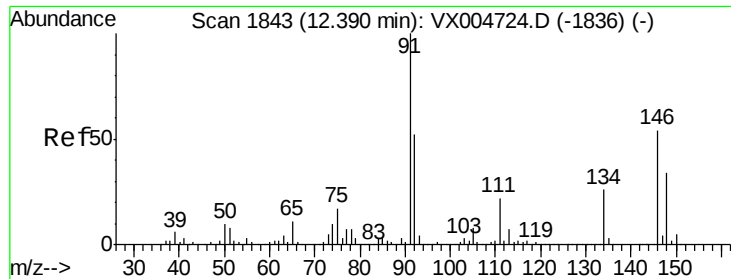
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#88
 1,4-Dichlorobenzene
 Concen: 49.464 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	64.9	32.0	96.0





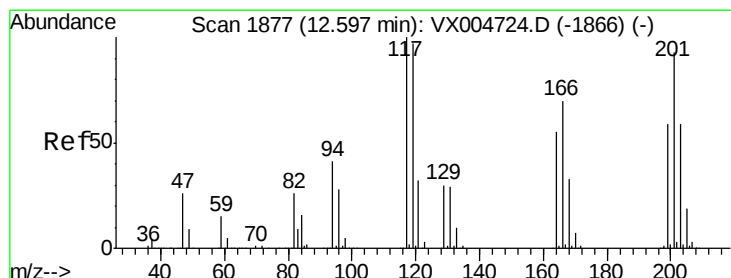
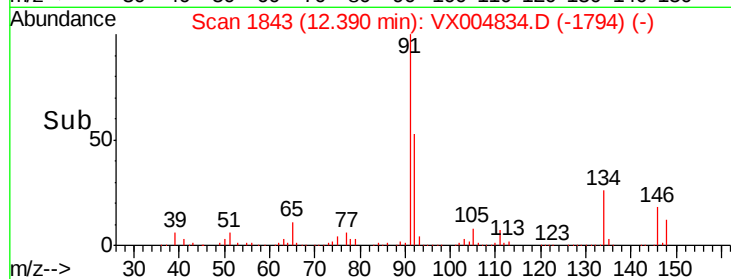
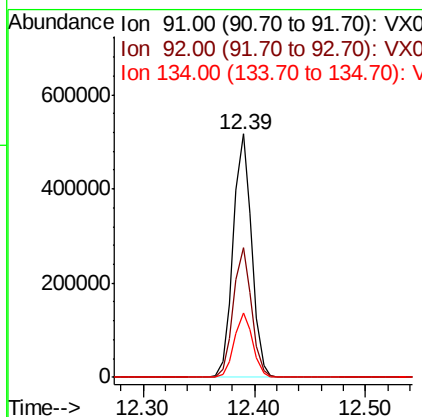
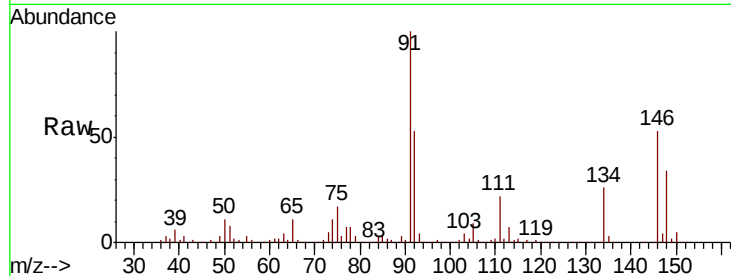
#89
n-Butylbenzene
Concen: 55.399 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.3	81.9
134	26.1	13.6	40.7

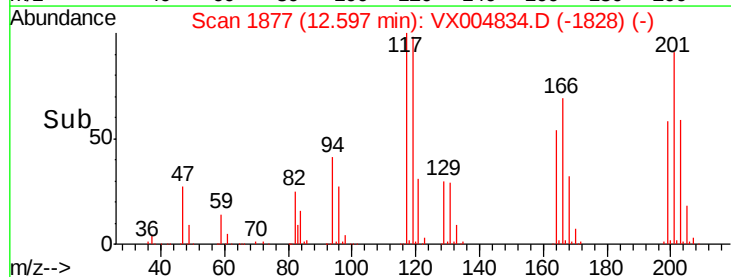
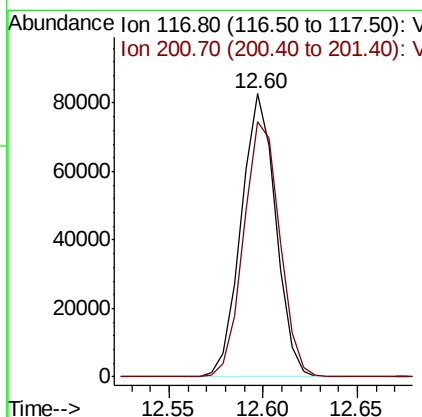
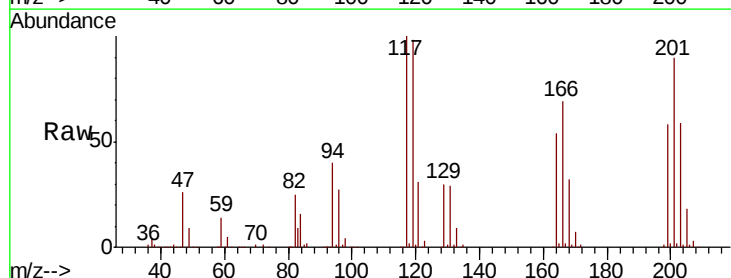
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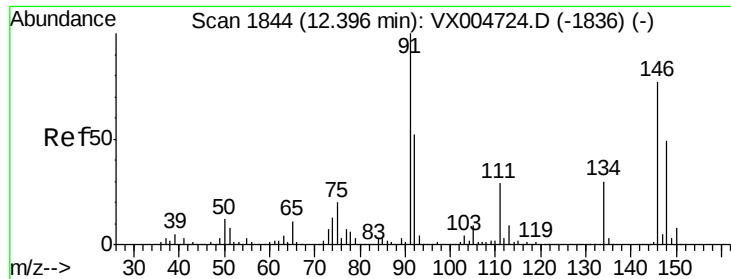
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#90
Hexachloroethane
Concen: 53.741 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004834.D
Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.9	46.9	140.6





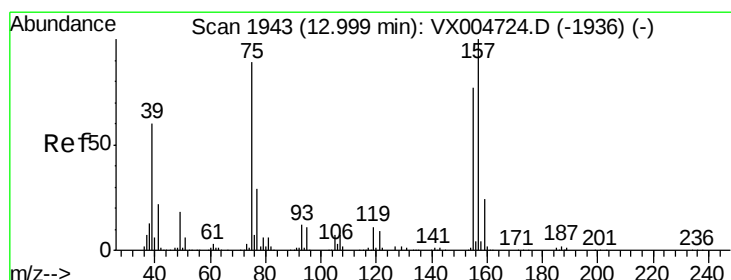
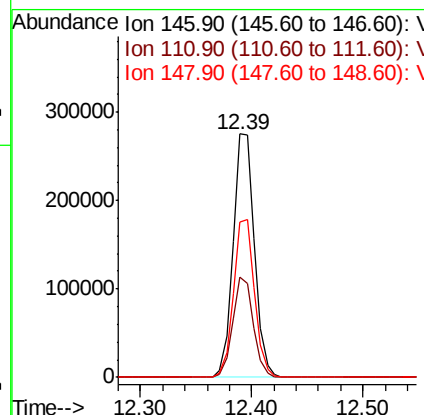
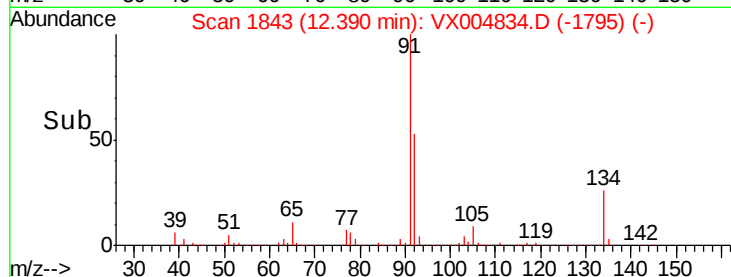
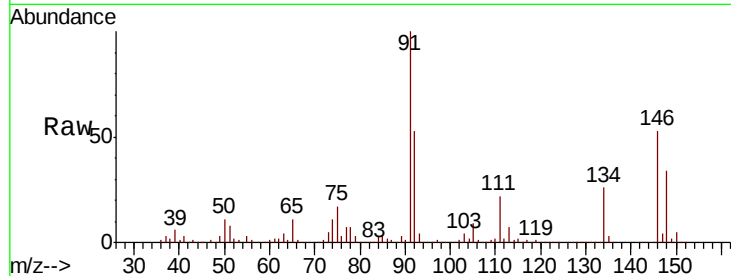
#91
 1,2-Dichlorobenzene
 Concen: 49.433 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.1
148	64.1	32.8	98.3

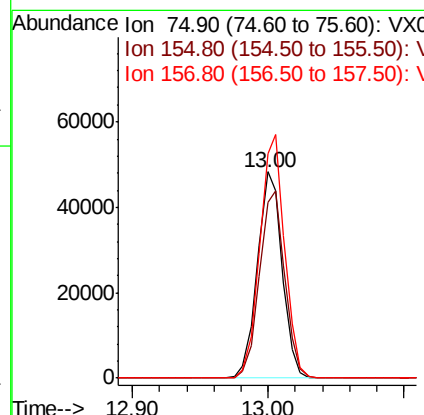
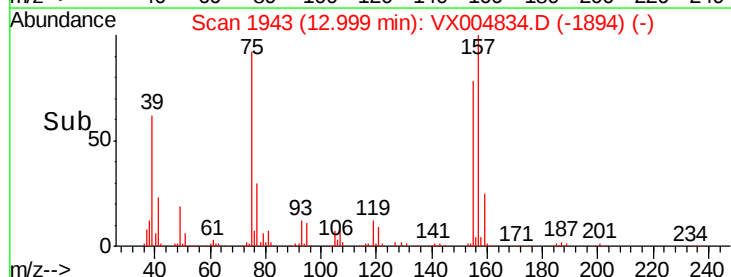
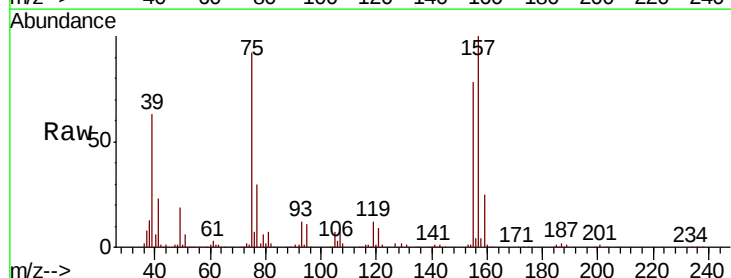
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.509 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	48.0	144.2
157	117.9	61.4	184.1





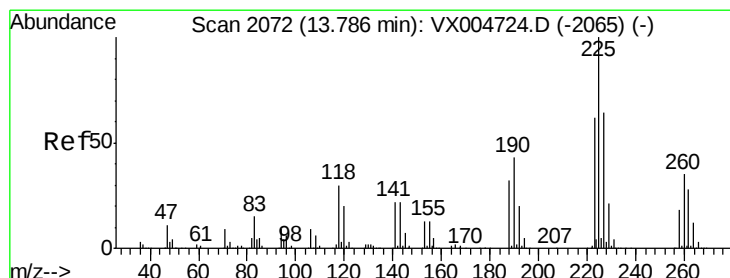
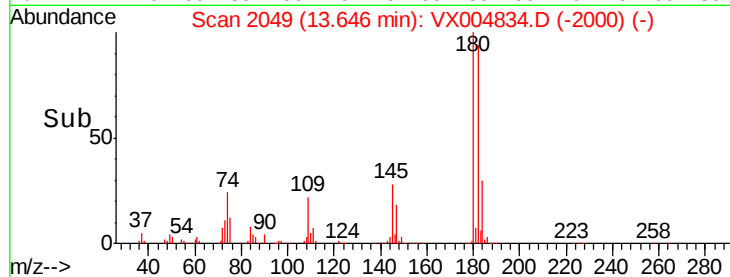
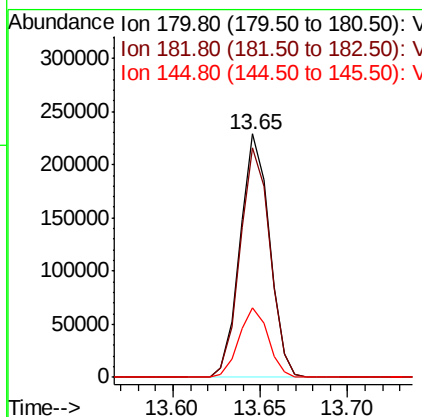
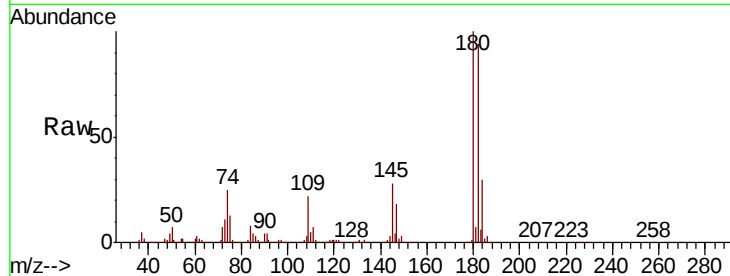
#93
 1,2,4-Trichlorobenzene
 Concen: 52.384 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	269817		
182	95.3	48.4	145.0	
145	28.3	14.3	42.9	

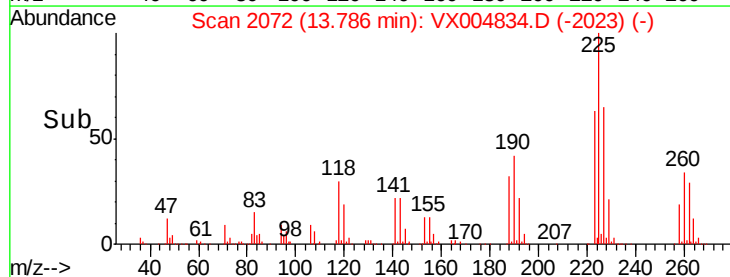
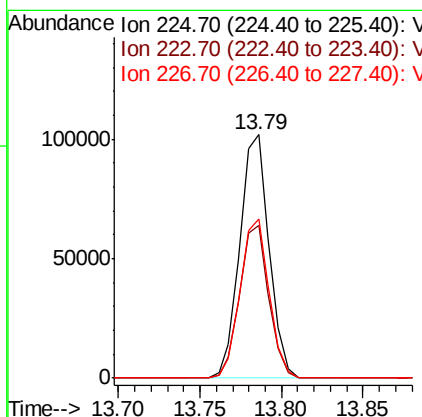
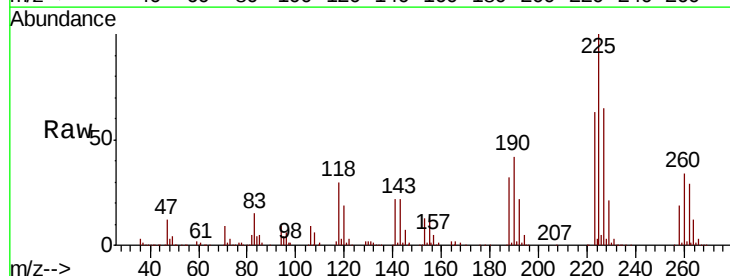
Manual Integrations
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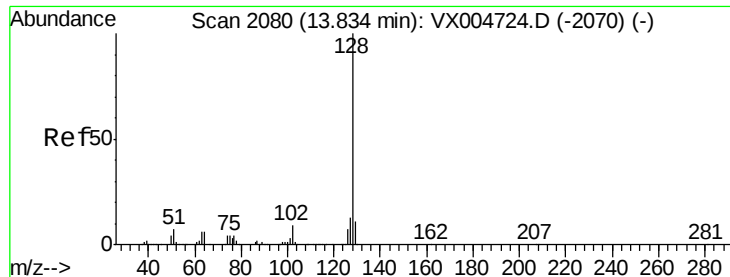
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#94
 Hexachlorobutadiene
 Concen: 47.692 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004834.D
 Acq: 28 Sep 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127382		
223	62.3	30.1	90.5	
227	64.8	30.8	92.4	





#95

Naphthalene

Concen: 51.011 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Instrument :

MSVOA_X

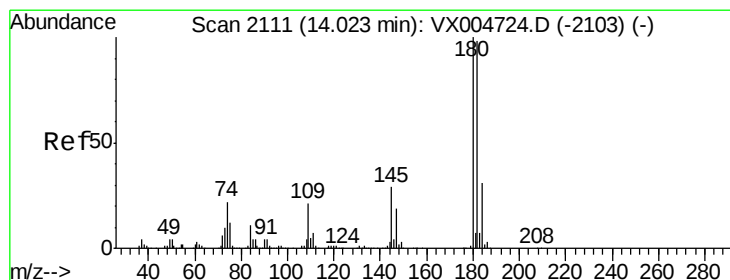
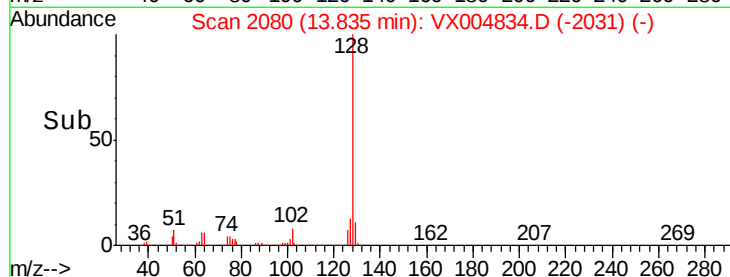
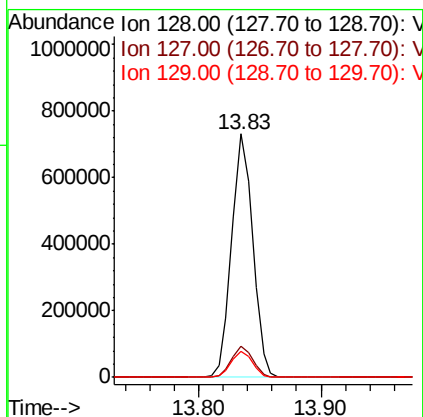
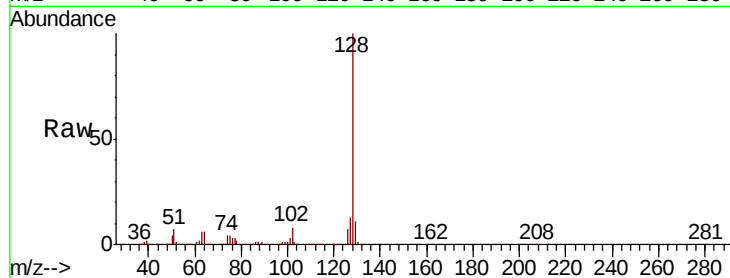
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	872328
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:31:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.144 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004834.D

Acq: 28 Sep 2018 20:59

Tgt Ion:	180	Resp:	277450
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.5	145.6
145	30.2	14.9	44.9

