

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005837.D
 Acq On : 07 Nov 2018 19:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 2:17:00 PM

Quant Time: Nov 08 08:11:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	115220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	165826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	155216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	70565	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	5.50	113	54057	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	8.71	98	181494	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.14	95	67270	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55525	53.449	ug/l	95
3) Chloromethane	1.32	50	63348	46.465	ug/l	99
4) Vinyl Chloride	1.40	62	61557	44.976	ug/l #	88
5) Bromomethane	1.64	94	29069	34.706	ug/l	93
6) Chloroethane	1.72	64	41805	51.191	ug/l	97
7) Trichlorofluoromethane	1.93	101	91401	50.311	ug/l	98
8) Diethyl Ether	2.19	74	37307	52.407	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51616	49.400	ug/l	98
10) Methyl Iodide	2.51	142	36420	28.760	ug/l	98
11) Tert butyl alcohol	3.07	59	91945	242.309	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51209	50.283	ug/l #	86
13) Acrolein	2.29	56	46670	257.339	ug/l	97
14) Allyl chloride	2.72	41	116260	51.113	ug/l	99
15) Acrylonitrile	3.15	53	208901	265.652	ug/l	97
16) Acetone	2.45	43	185710	260.390	ug/l	92
17) Carbon Disulfide	2.57	76	159940	52.651	ug/l	96
18) Methyl Acetate	2.78	43	102310	53.637	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	183749	52.863	ug/l	93
20) Methylene Chloride	2.85	84	59365	50.673	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	53922	50.199	ug/l	93
22) Diisopropyl ether	3.87	45	204731	51.382	ug/l	97
23) Vinyl Acetate	3.82	43	885021	259.054	ug/l	99
24) 1,1-Dichloroethane	3.70	63	111088	52.257	ug/l	98
25) 2-Butanone	4.70	43	302193	269.511	ug/l	98
26) 2,2-Dichloropropane	4.59	77	77904	49.958	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	60335	50.869	ug/l	98
28) Bromochloromethane	5.02	49	54739	57.616	ug/l	99
29) Tetrahydrofuran	5.15	42	195266	271.227	ug/l	99
30) Chloroform	5.22	83	104298	50.854	ug/l	99
31) Cyclohexane	5.57	56	97780	52.989	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	89173	52.128	ug/l	98
36) 1,1-Dichloropropene	5.81	75	79355	49.640	ug/l	98
37) Ethyl Acetate	4.85	43	108375	51.553	ug/l	100
38) Carbon Tetrachloride	5.77	117	80840	50.513	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78249	48.295	ug/l	94
40) Benzene	6.13	78	236910	50.836	ug/l	97
41) Methacrylonitrile	5.06	41	59939	52.767	ug/l	99
42) 1,2-Dichloroethane	6.20	62	85049	50.952	ug/l	100
43) Isopropyl Acetate	6.47	43	158951	52.182	ug/l	99
44) Trichloroethene	7.21	130	55838	47.180	ug/l	86
45) 1,2-Dichloropropane	7.52	63	54630	48.297	ug/l	100
46) Dibromomethane	7.66	93	34194	48.174	ug/l	97
47) Bromodichloromethane	7.90	83	66924	49.890	ug/l	98
48) Methyl methacrylate	7.77	41	71631	52.371	ug/l	98
49) 1,4-Dioxane	7.75	88	28808	977.429	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	467289	243.408	ug/l	100
52) Toluene	8.79	92	123883	47.563	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	74708	47.194	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	83180	51.553	ug/l	90
55) 1,1,2-Trichloroethane	9.22	97	57344	49.401	ug/l	92
56) Ethyl methacrylate	9.18	69	86569	49.843	ug/l	96
57) 1,3-Dichloropropane	9.37	76	99743	51.132	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	223638	236.754	ug/l	99
59) 2-Hexanone	9.50	43	423137	250.052	ug/l	99
60) Dibromochloromethane	9.58	129	66359	52.896	ug/l	93
61) 1,2-Dibromoethane	9.68	107	63976	49.842	ug/l	99
64) Tetrachloroethene	9.34	164	63228	47.845	ug/l	92
65) Chlorobenzene	10.14	112	155489	50.005	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	54644	50.548	ug/l	97
67) Ethyl Benzene	10.25	91	245892	49.315	ug/l	99
68) m/p-Xylenes	10.36	106	188065	98.883	ug/l	95
69) o-Xylene	10.70	106	87068	51.053	ug/l	98
70) Styrene	10.71	104	148441	52.763	ug/l	99
71) Bromoform	10.86	173	45232	49.913	ug/l #	99
73) Isopropylbenzene	11.02	105	241276	55.070	ug/l	99
74) N-amyl acetate	10.90	43	122135	49.691	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	83045	51.641	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	80357m	52.089	ug/l	
77) Bromobenzene	11.26	156	62948	50.975	ug/l	99
78) n-propylbenzene	11.36	91	279718	54.173	ug/l	100
79) 2-Chlorotoluene	11.42	91	165580	53.054	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	207134	55.634	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	24344	50.294	ug/l	97
82) 4-Chlorotoluene	11.51	91	197637	53.733	ug/l	100
83) tert-Butylbenzene	11.77	119	203812	54.110	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	213514	51.970	ug/l	99
85) sec-Butylbenzene	11.94	105	246044	53.418	ug/l	100
86) p-Isopropyltoluene	12.07	119	223051	54.671	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	117621	49.630	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	118834	48.981	ug/l	99
89) n-Butylbenzene	12.39	91	197908	52.339	ug/l	100
90) Hexachloroethane	12.60	117	37333	54.808	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	119417	50.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21958	55.955	ug/l	99

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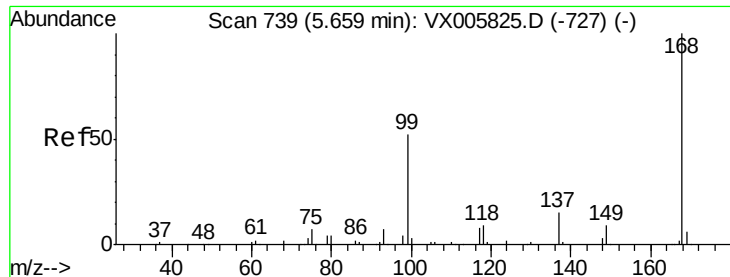
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	89657	53.644	ug/l	99
94) Hexachlorobutadiene	13.78	225	43937	50.045	ug/l	99
95) Naphthalene	13.83	128	278857	51.133	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	90974	53.428	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 115220

Ion Ratio Lower Upper

168 100

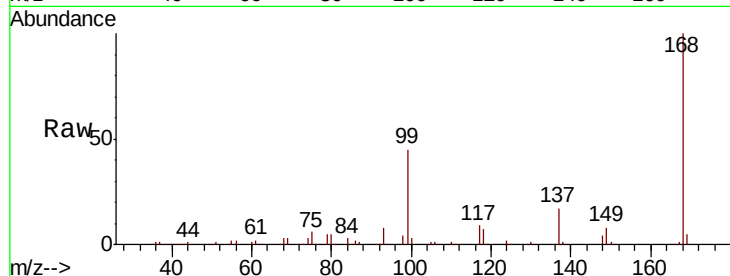
99 45.1 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

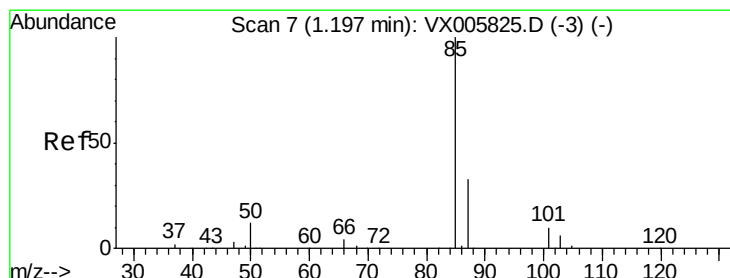
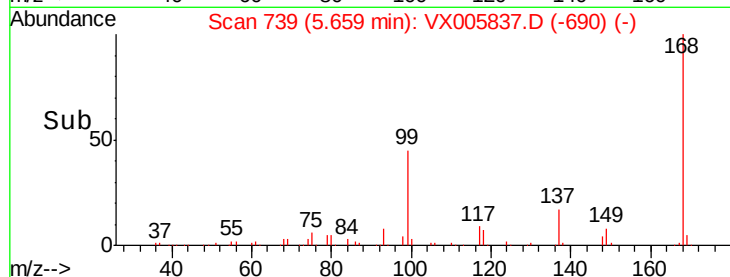
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 53.449 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005837.D

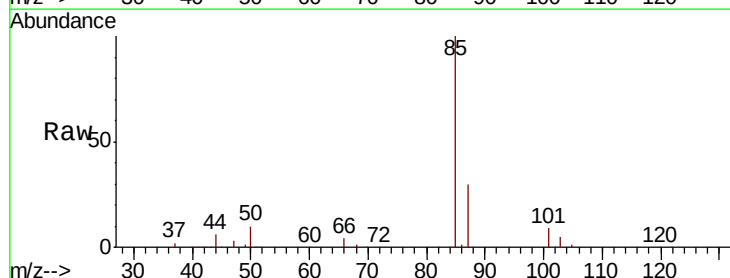
Acq: 07 Nov 2018 19:31

Tgt Ion: 85 Resp: 55525

Ion Ratio Lower Upper

85 100

87 29.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

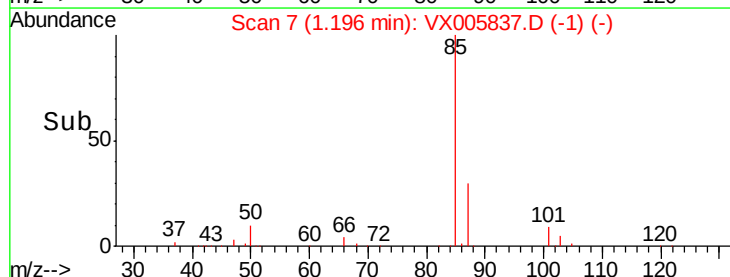
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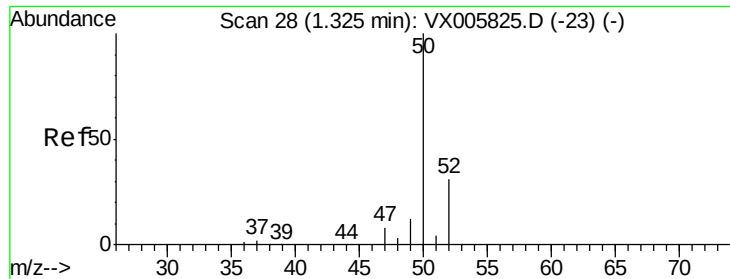
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.465 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 63348

Ion Ratio Lower Upper

50 100

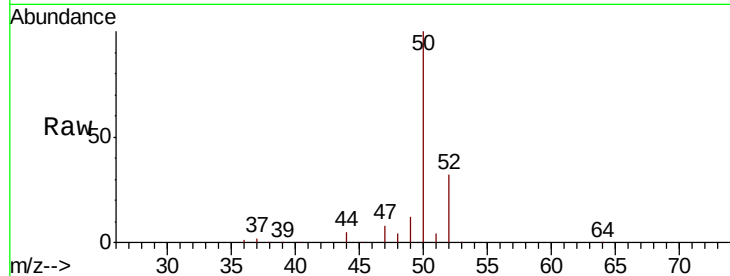
52 32.1 26.2 39.2

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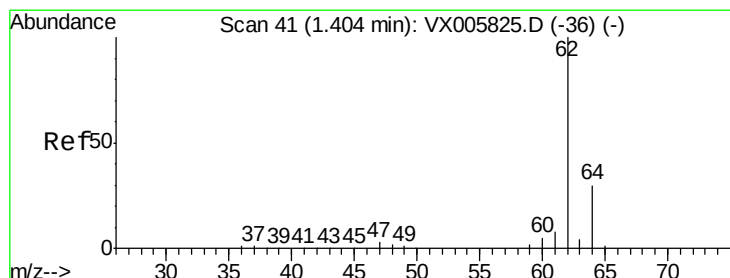
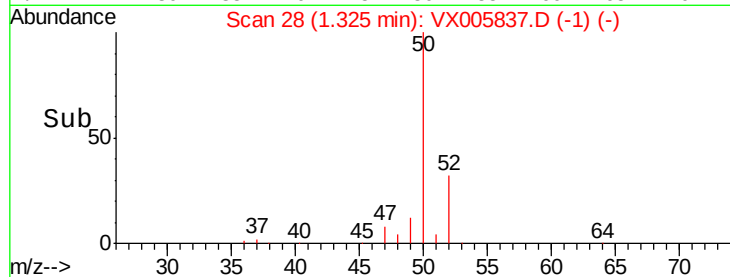
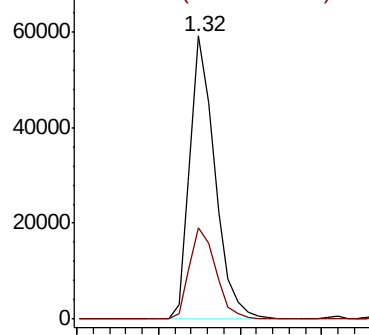
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.976 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005837.D

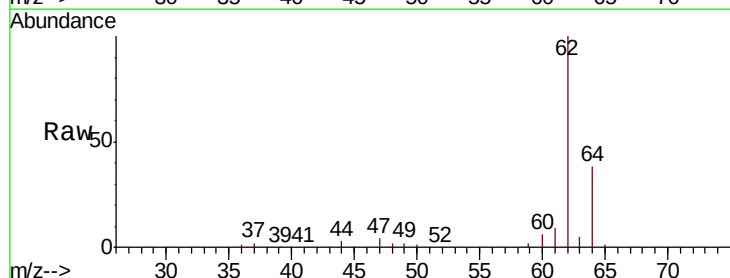
Acq: 07 Nov 2018 19:31

Tgt Ion: 62 Resp: 61557

Ion Ratio Lower Upper

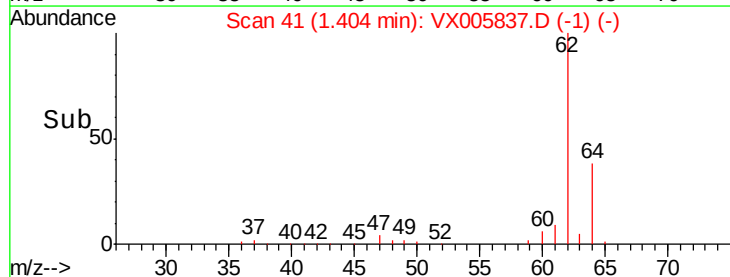
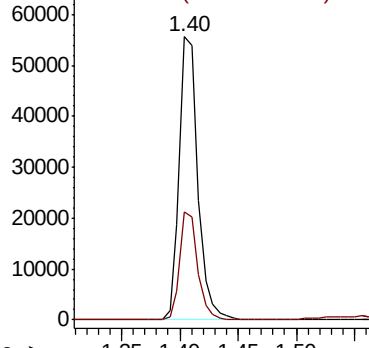
62 100

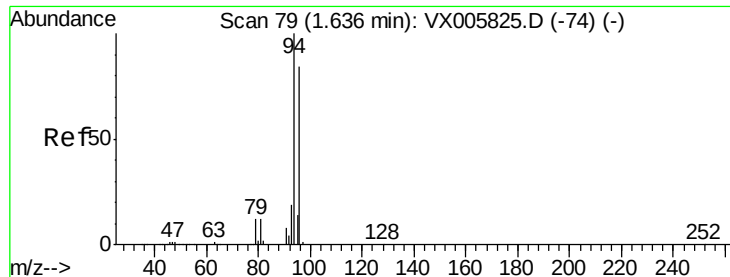
64 38.3 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 34.706 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 29069

Ion Ratio Lower Upper

94 100

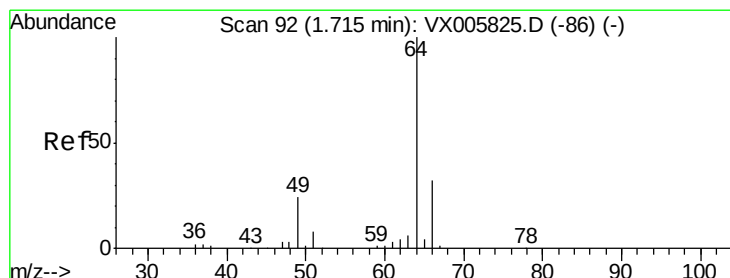
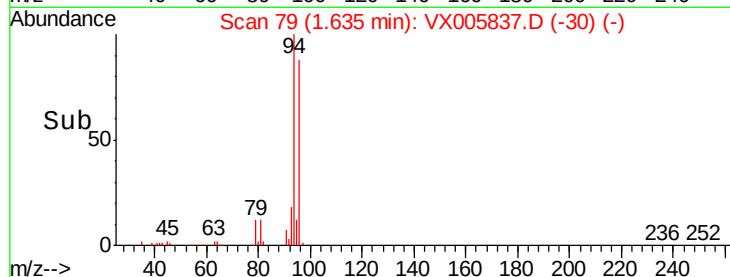
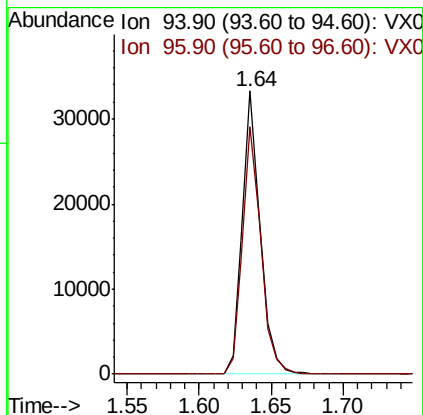
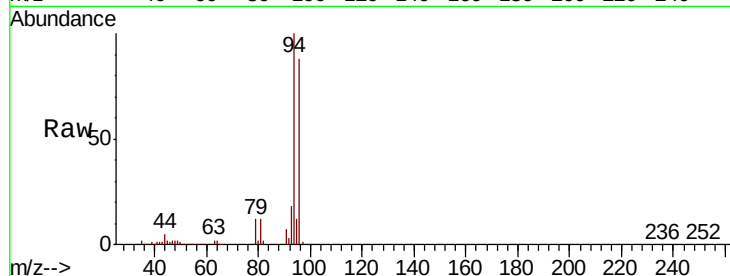
96 87.7 75.2 112.8

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#6

Chloroethane

Concen: 51.191 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005837.D

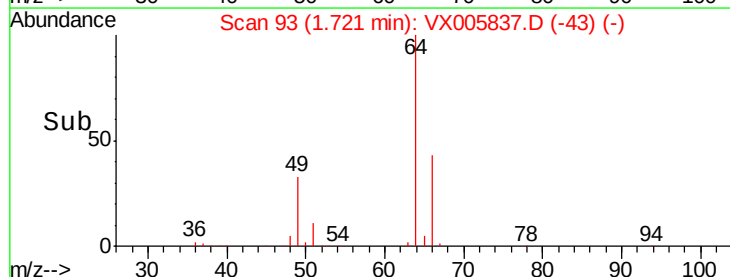
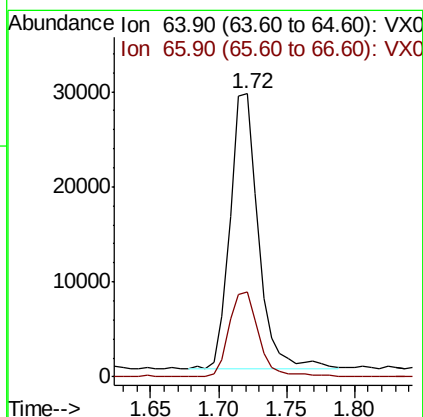
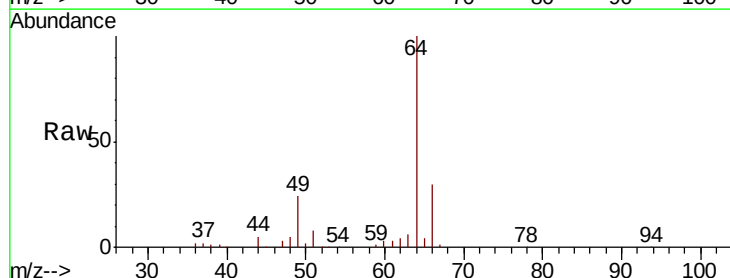
Acq: 07 Nov 2018 19:31

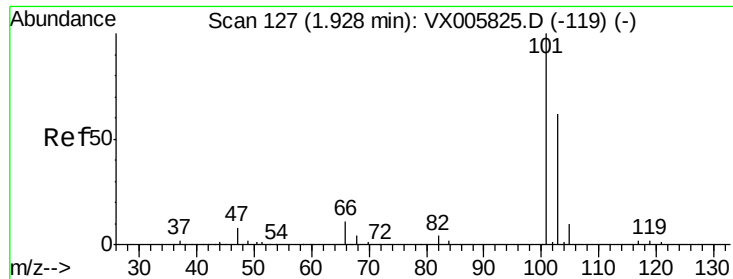
Tgt Ion: 64 Resp: 41805

Ion Ratio Lower Upper

64 100

66 30.8 25.8 38.6





#7

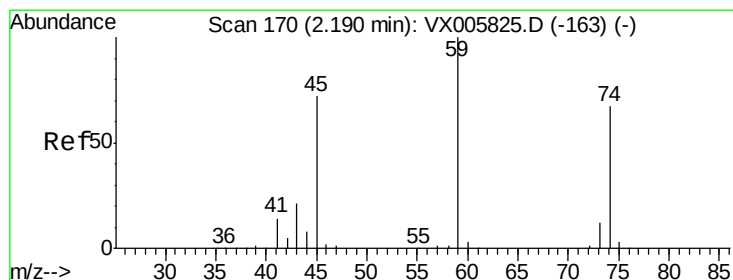
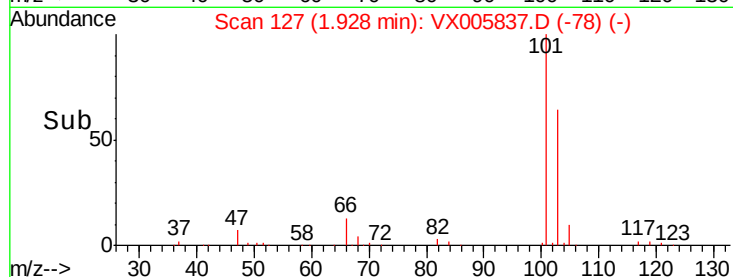
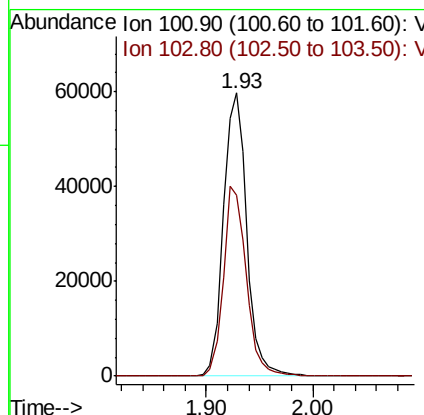
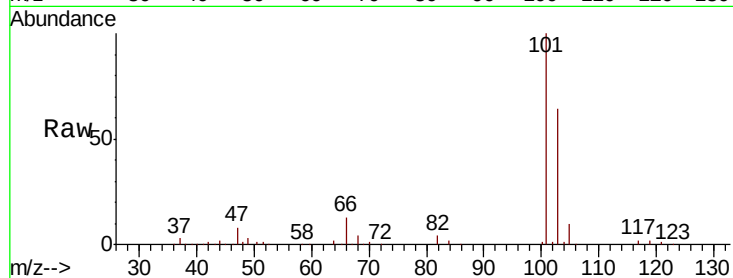
Trichlorofluoromethane
 Concen: 50.311 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		91401		
103	63.8	50.0	75.0		

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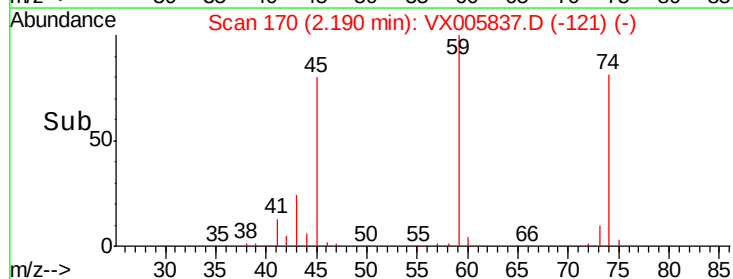
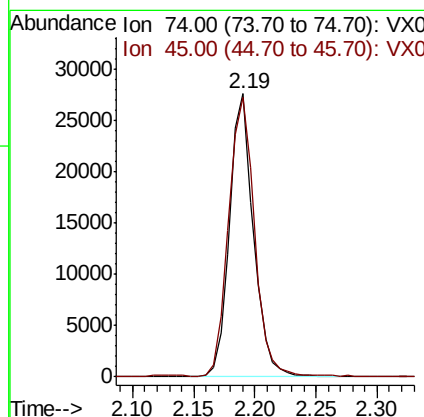
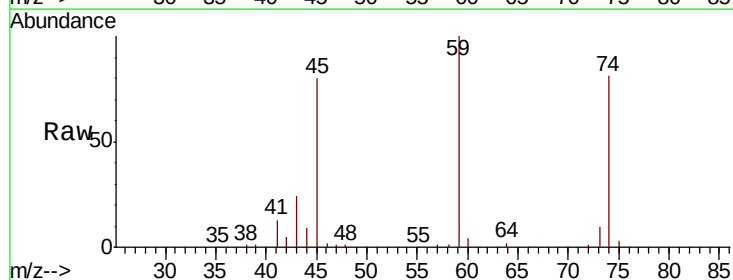
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 11/9/2018 2:17:00 PM

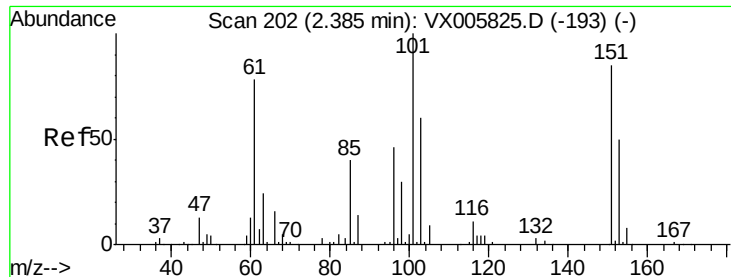


#8

Diethyl Ether
 Concen: 52.407 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		37307		
45	106.0	54.1	162.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.400 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

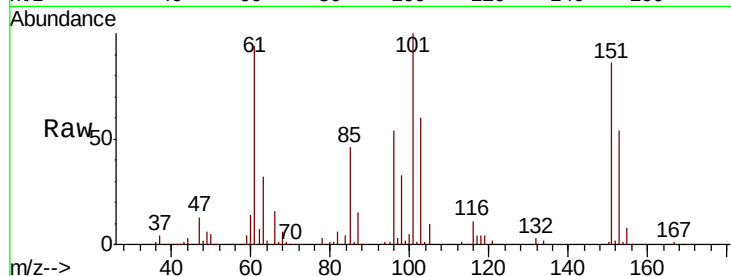
ClientSampleId :

VSTDCCC050EC

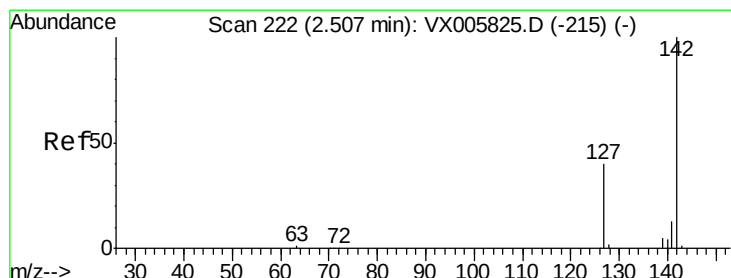
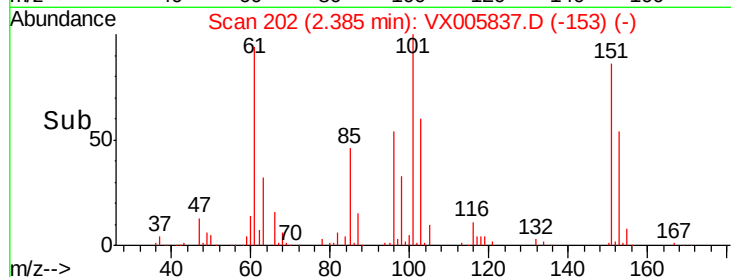
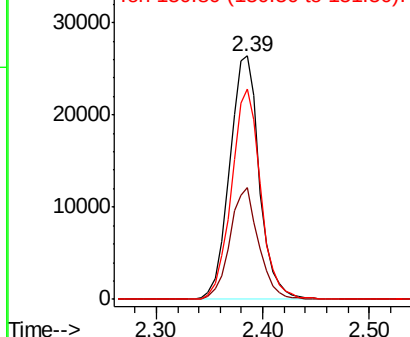
Tot Ion:	101	Resp:	51616
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.0	52.4
151	84.9	66.2	99.2

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



#10

Methyl Iodide

Concen: 28.760 ug/l

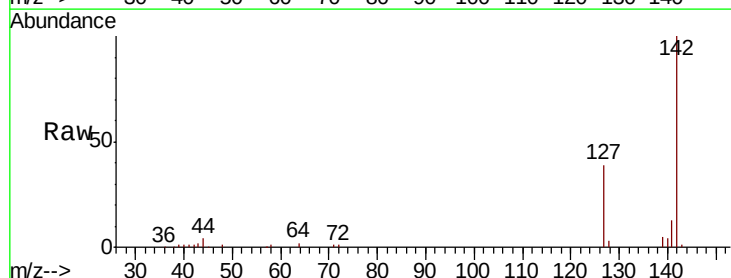
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

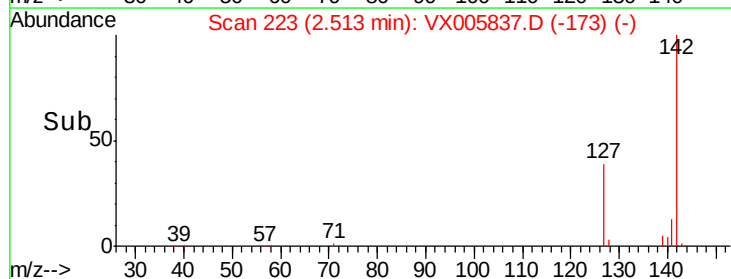
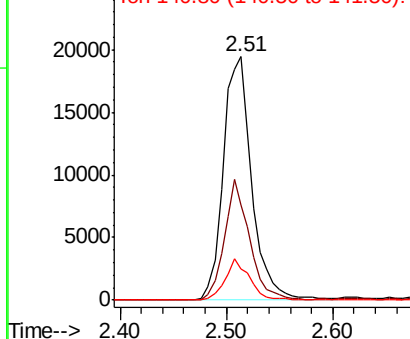
Lab File: VX005837.D

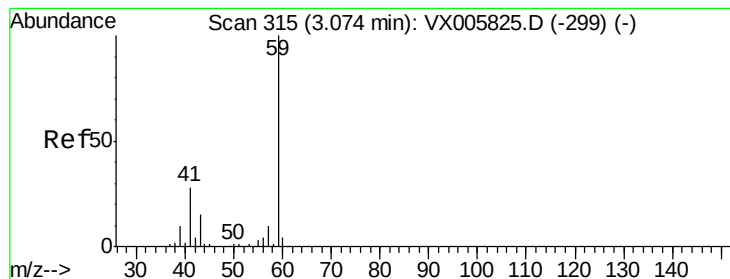
Acq: 07 Nov 2018 19:31

Tgt Ion:	142	Resp:	36420
Ion Ratio	Lower	Upper	
142	100		
127	43.5	36.0	54.0
141	14.6	11.7	17.5



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





#11

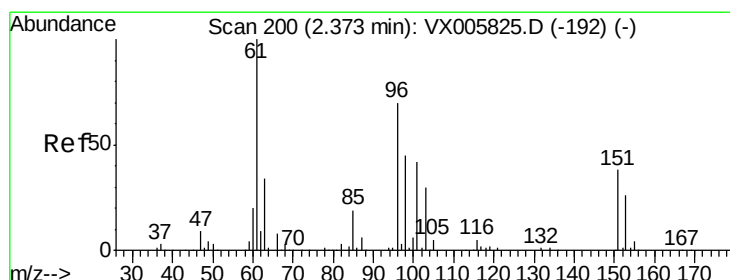
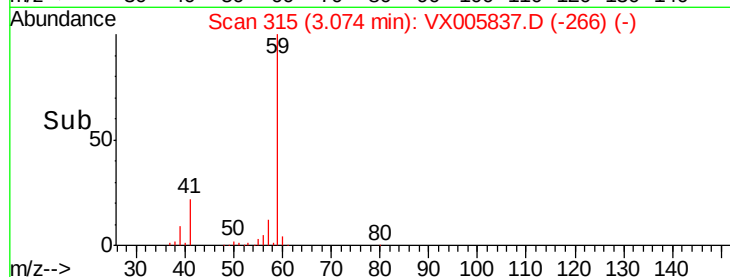
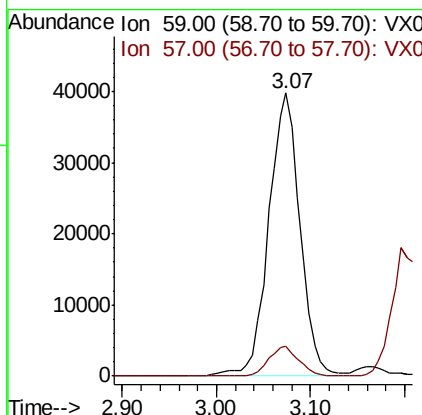
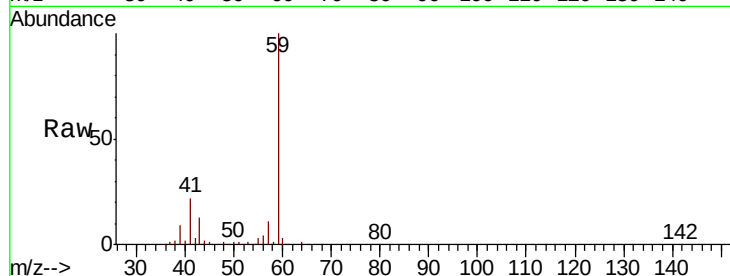
Tert butyl alcohol
 Concen: 242.309 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	91945
Ion Ratio	100	Lower	Upper
57	10.2	8.5	12.7

Manual Integrations
 APPROVED

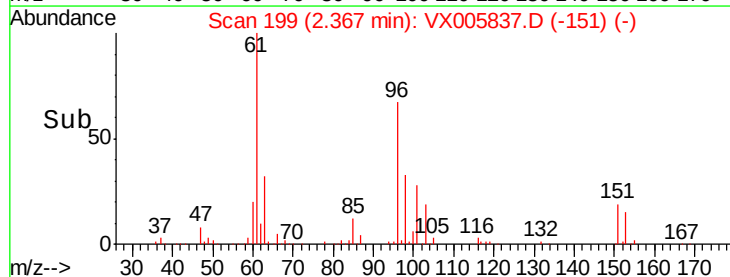
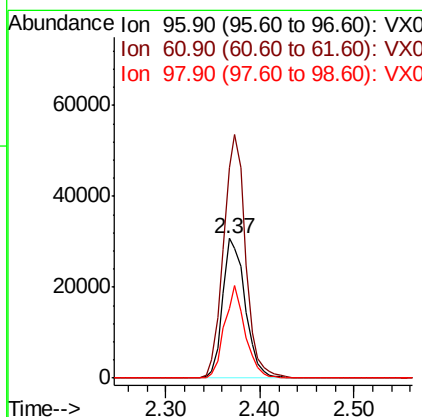
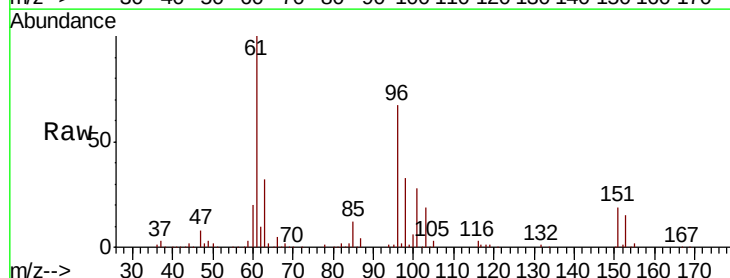
MMDadoda
 11/9/2018 2:17:00 PM

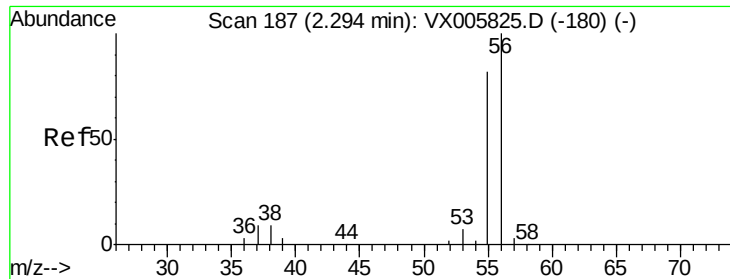


#12

1,1-Dichloroethene
 Concen: 50.283 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion	96	Resp	51209
Ion Ratio	100	Lower	Upper
61	150.3	131.8	197.8
98	49.9	53.4	80.2#





#13

Acrolein

Concen: 257.339 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 56 Resp: 46670

Ion Ratio Lower Upper

56 100

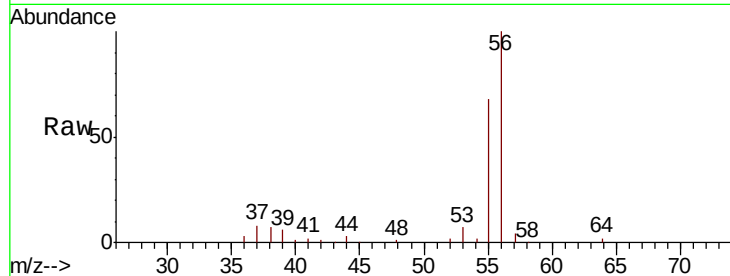
55 68.9 57.3 85.9

Manual Integrations

APPROVED

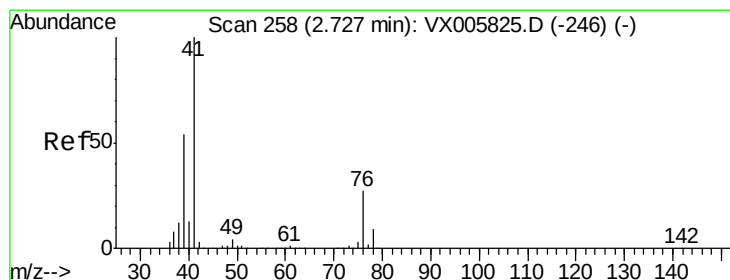
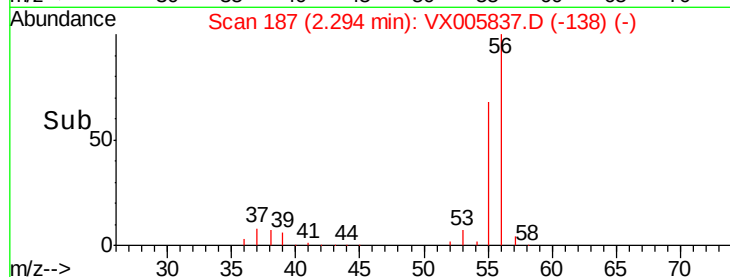
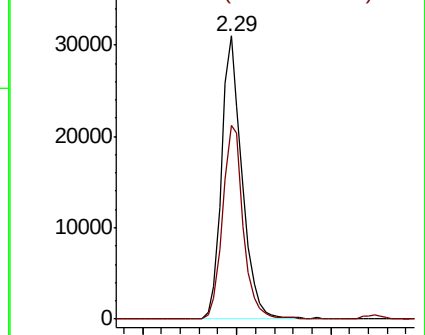
MMDadoda

11/9/2018 2:17:00 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.113 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

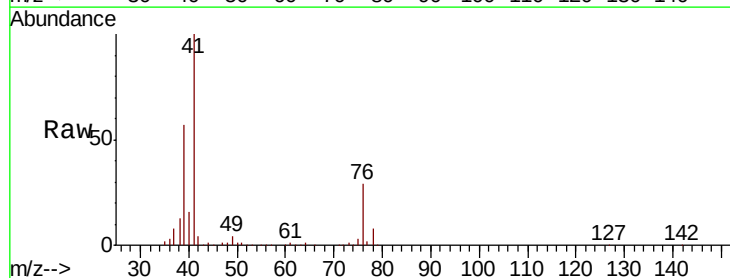
Tgt Ion: 41 Resp: 116260

Ion Ratio Lower Upper

41 100

39 59.6 48.2 72.4

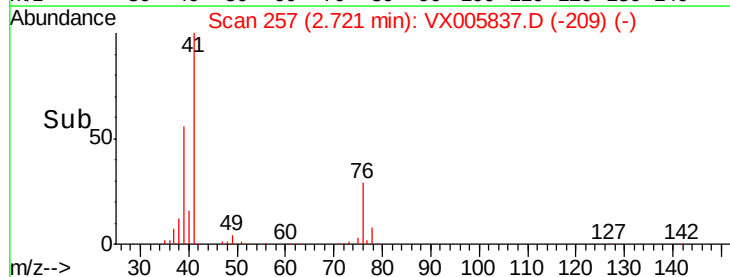
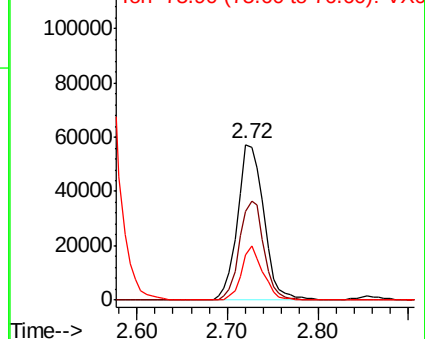
76 28.2 21.9 32.9

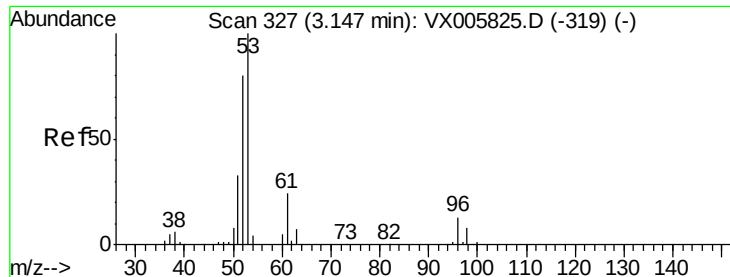


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





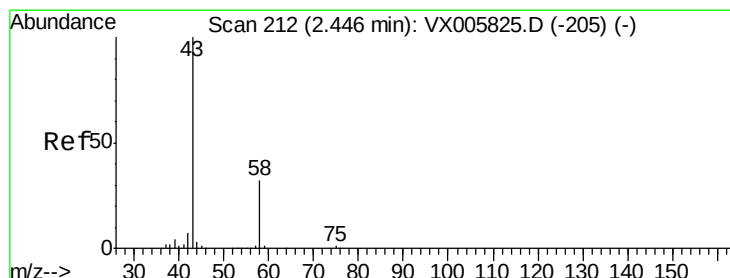
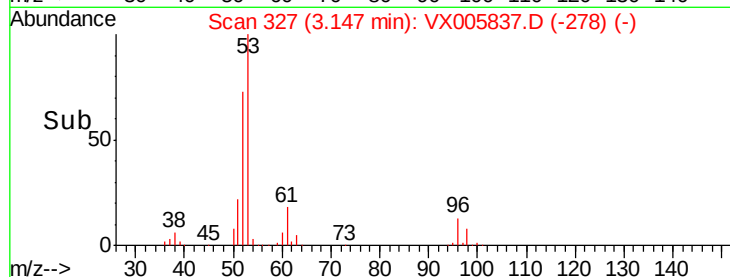
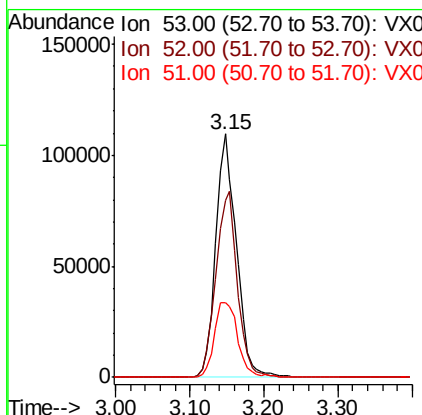
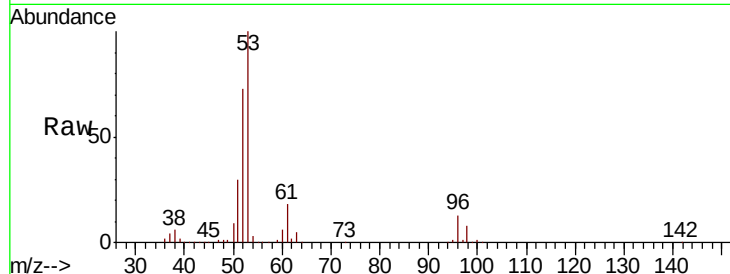
#15
 Acrylonitrile
 Concen: 265.652 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	208901
Ion Ratio	Lower	Upper	
53	100		
52	79.5	66.6	99.8
51	35.3	28.4	42.6

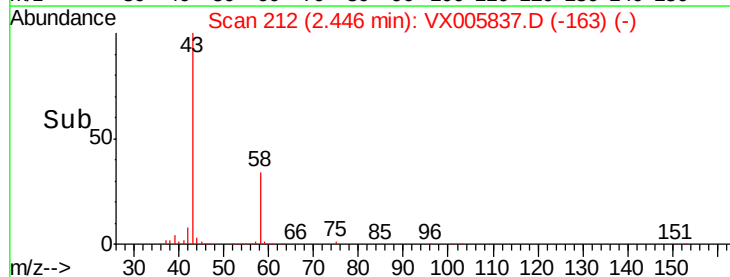
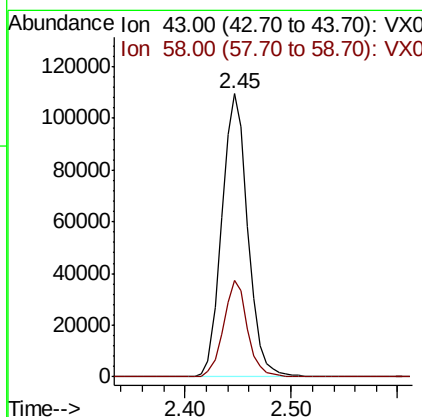
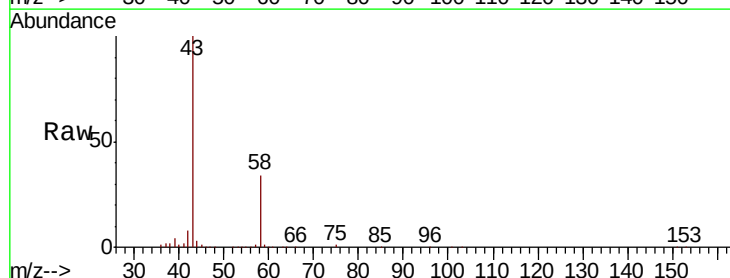
Manual Integrations
 APPROVED

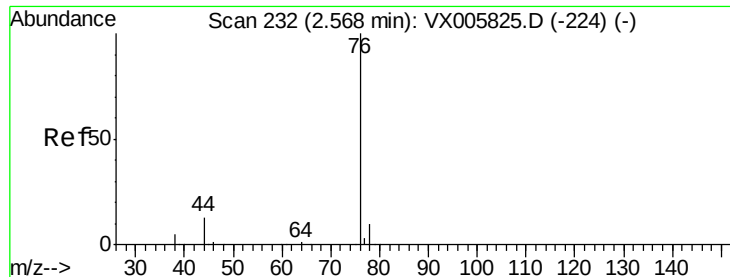
MMDadoda
 11/9/2018 2:17:00 PM



#16
 Acetone
 Concen: 260.390 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion:	43	Resp:	185710
Ion Ratio	Lower	Upper	
43	100		
58	34.2	23.8	35.6





#17

Carbon Disulfide

Concen: 52.651 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 159940

Ion Ratio Lower Upper

76 100

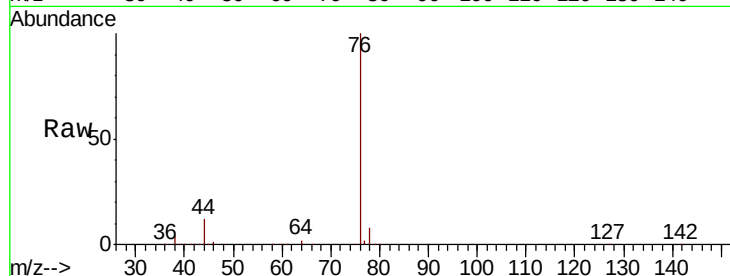
78 7.8 7.3 10.9

Manual Integrations

APPROVED

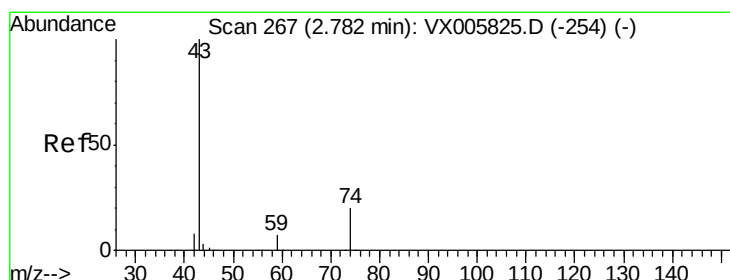
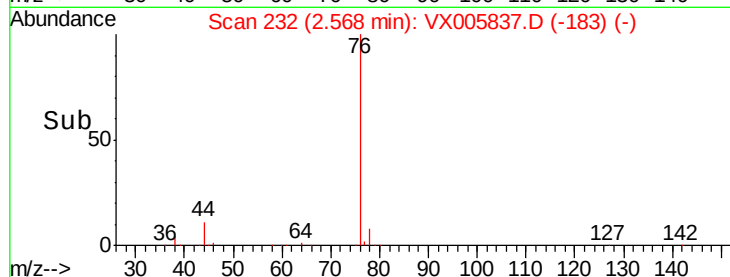
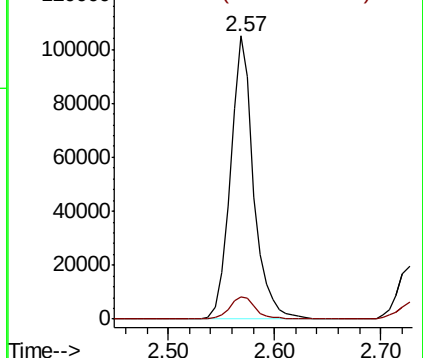
MMDadoda

11/9/2018 2:17:00 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 53.637 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005837.D

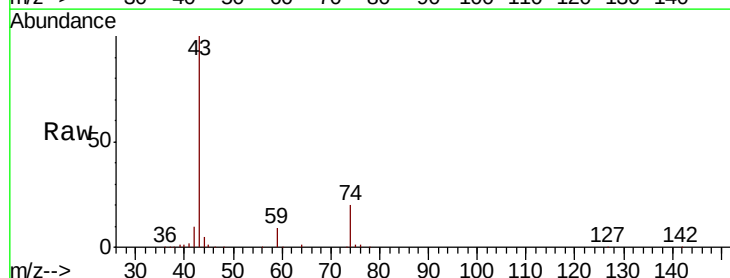
Acq: 07 Nov 2018 19:31

Tgt Ion: 43 Resp: 102310

Ion Ratio Lower Upper

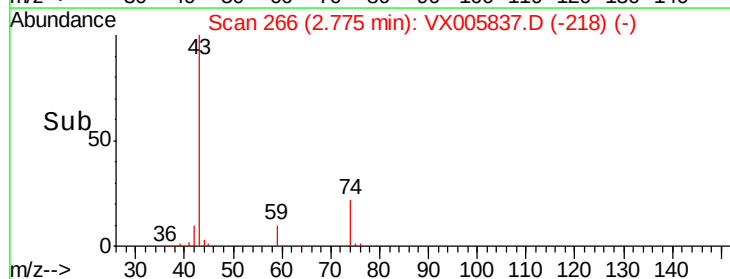
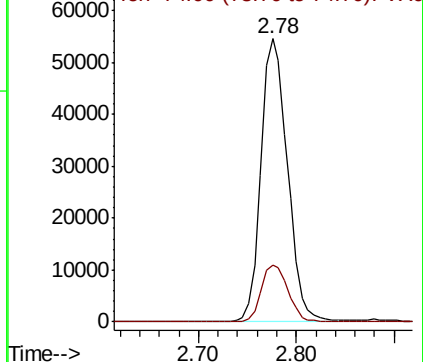
43 100

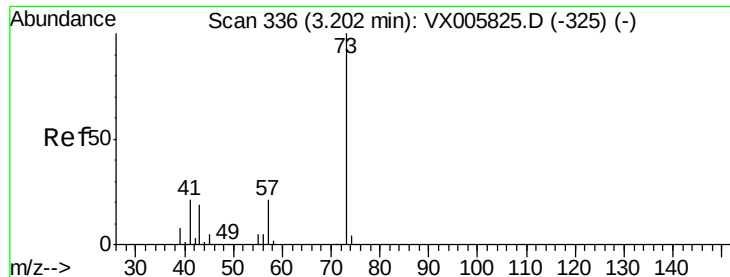
74 20.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





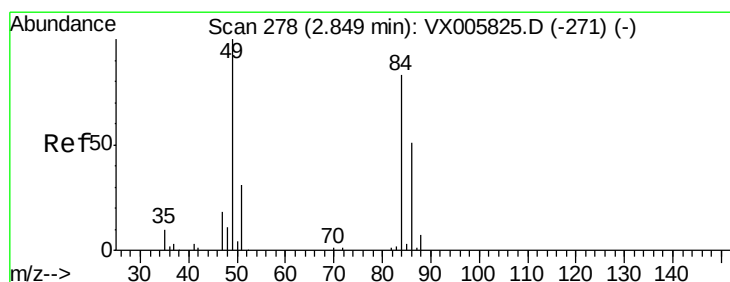
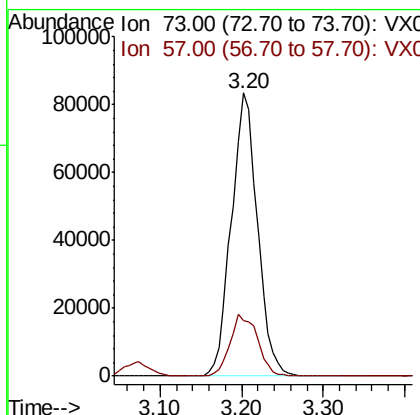
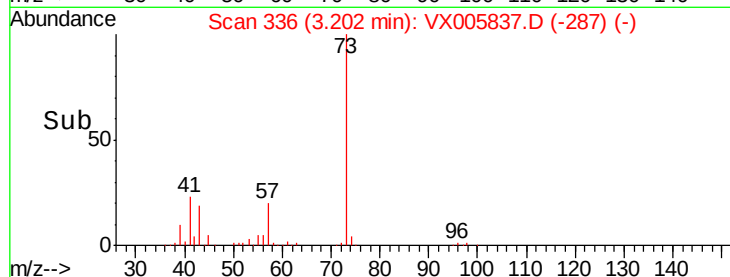
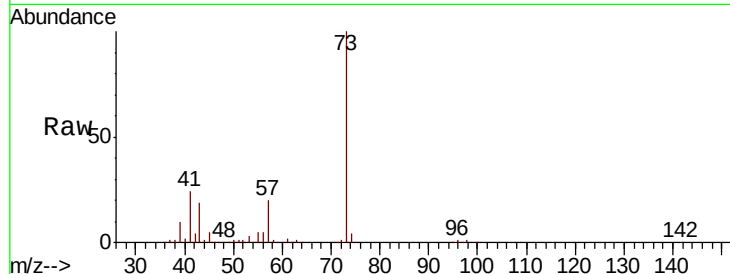
#19
Methyl tert-butyl Ether
Concen: 52.863 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	18.8	28.2

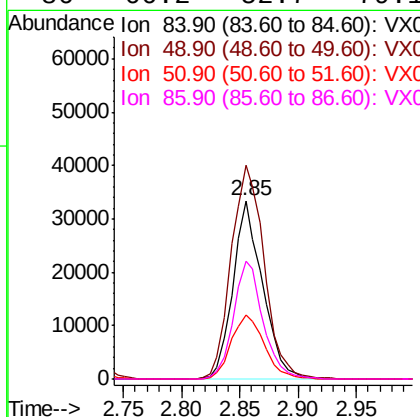
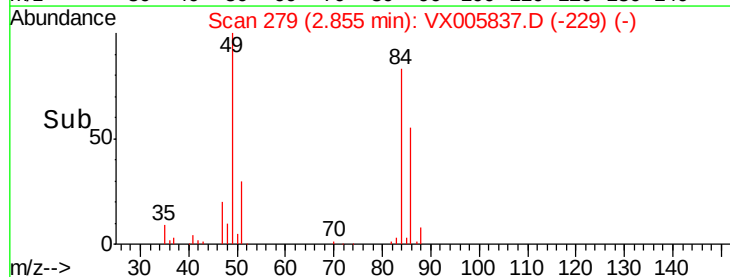
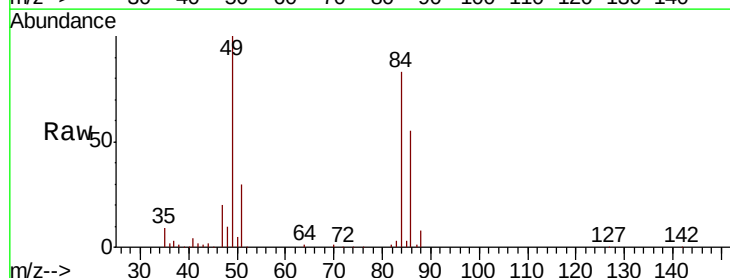
Manual Integrations
APPROVED

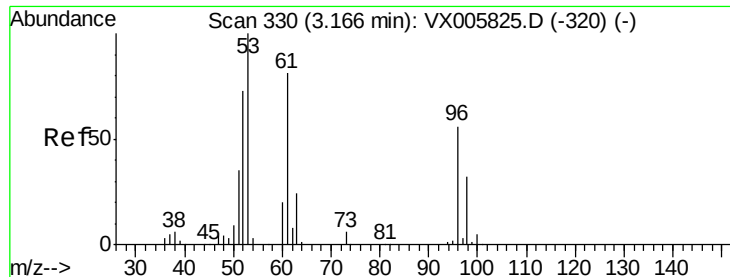
MMDadoda
11/9/2018 2:17:00 PM



#20
Methylene Chloride
Concen: 50.673 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.8	109.5	164.3
51	35.6	33.3	49.9
86	66.2	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 50.199 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 53922

Ion Ratio Lower Upper

96 100

61 154.3 115.6 173.4

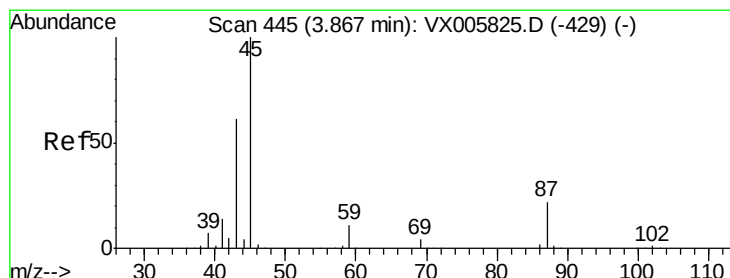
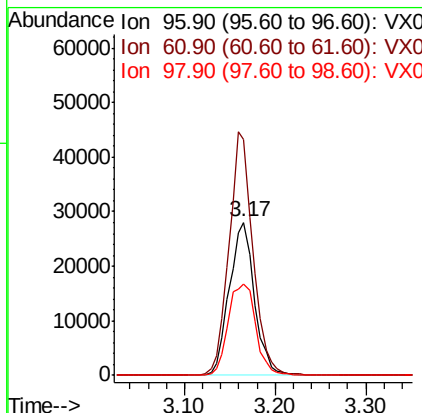
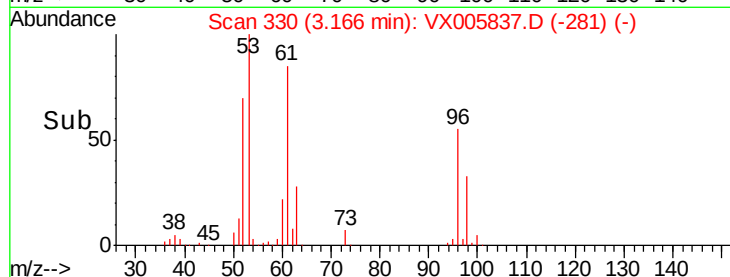
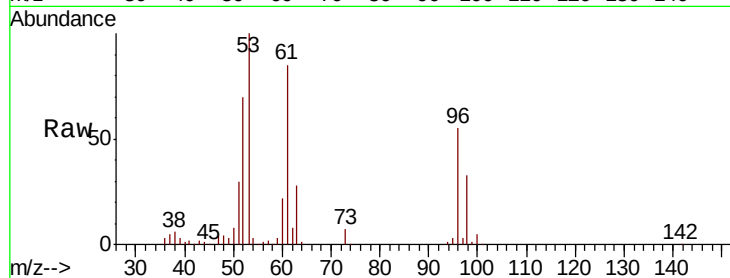
98 59.8 50.2 75.2

Manual Integrations

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11/9/2018 2:17:00 PM



#22

Diisopropyl ether

Concen: 51.382 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Tgt Ion: 45 Resp: 204731

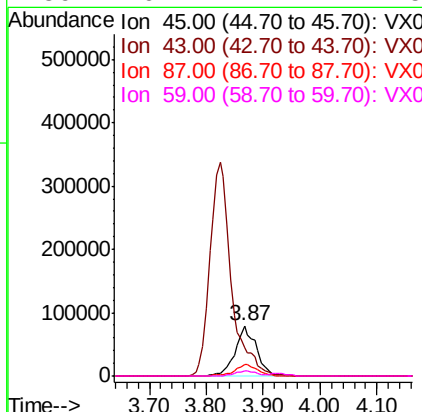
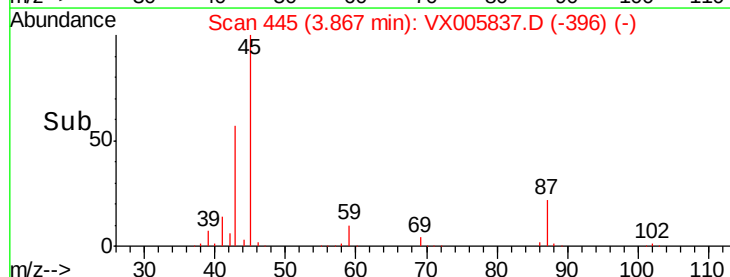
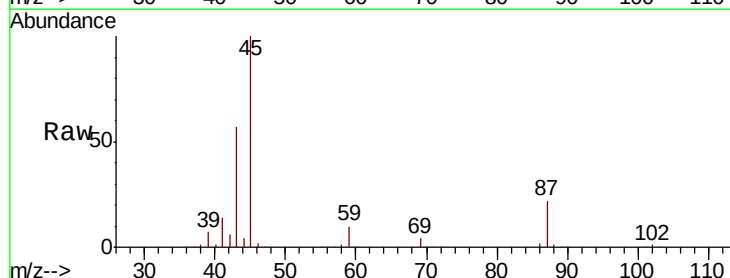
Ion Ratio Lower Upper

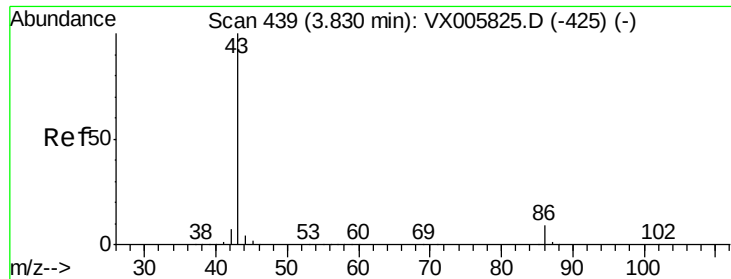
45 100

43 56.7 47.4 71.2

87 22.0 15.9 23.9

59 10.2 7.7 11.5





#23

Vinyl Acetate

Concen: 259.054 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 885021

Ion Ratio Lower Upper

43 100

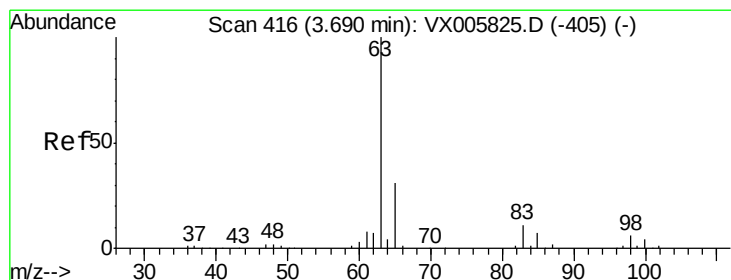
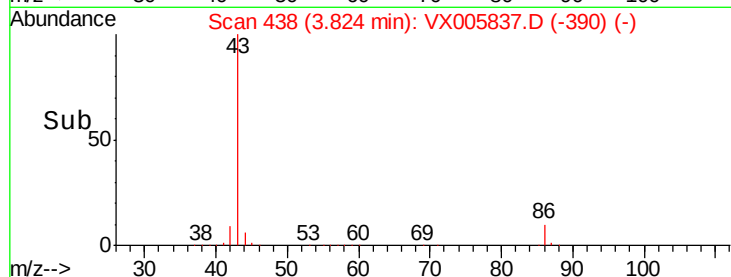
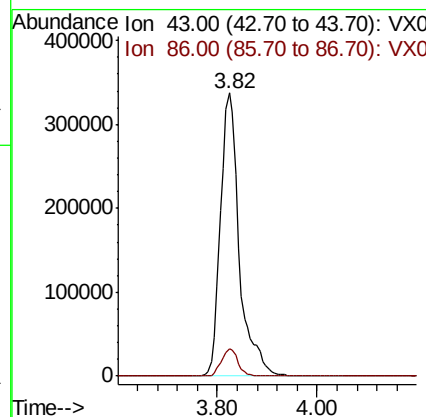
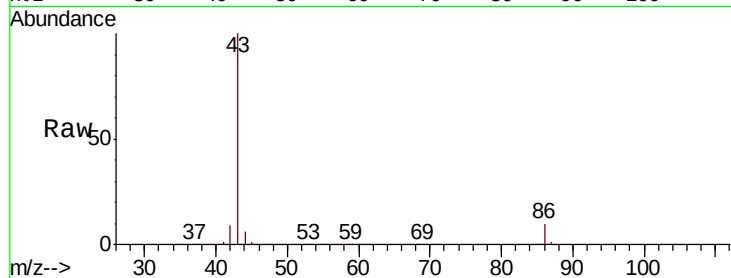
86 9.8 7.4 11.2

Manual Integrations

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11/9/2018 2:17:00 PM



#24

1,1-Dichloroethane

Concen: 52.257 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

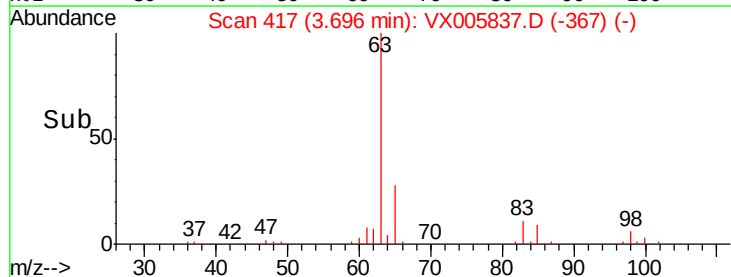
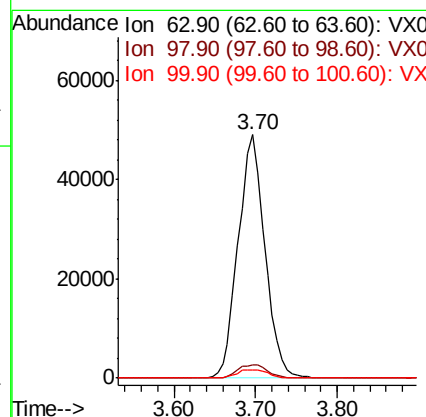
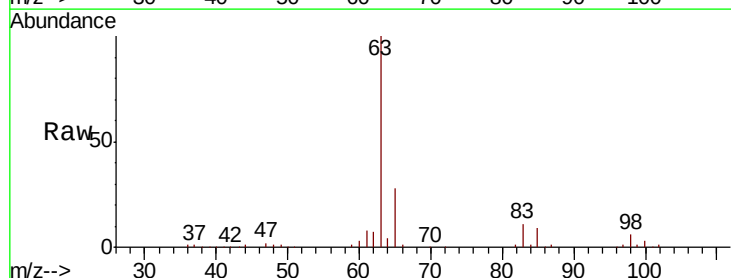
Tgt Ion: 63 Resp: 111088

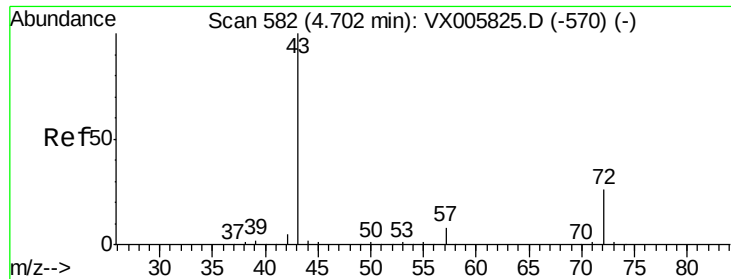
Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

100 3.4 2.1 6.2





#25

2-Butanone

Concen: 269.511 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 302193

Ion Ratio Lower Upper

43 100

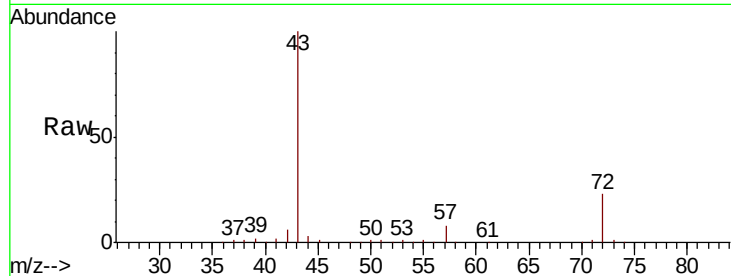
72 22.8 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/9/2018 2:17:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

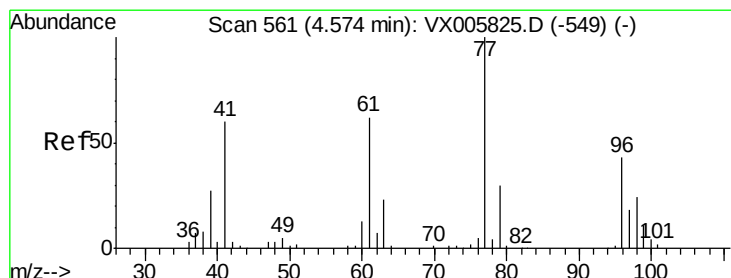
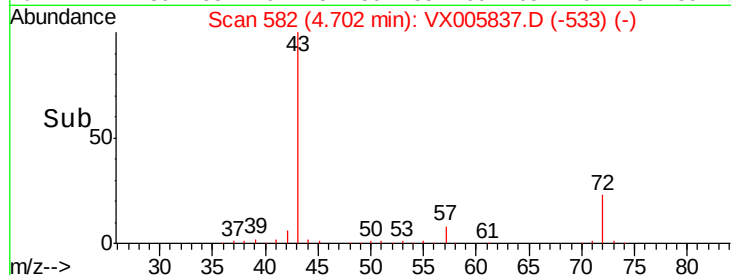
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.958 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005837.D

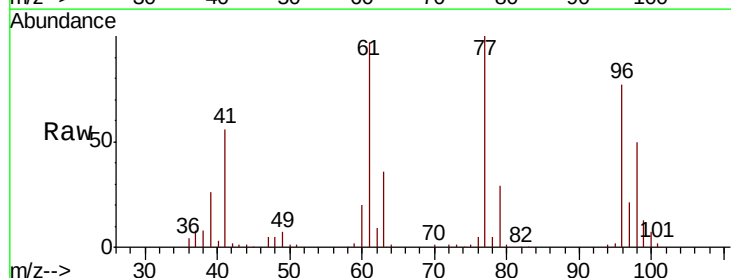
Acq: 07 Nov 2018 19:31

Tgt Ion: 77 Resp: 77904

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

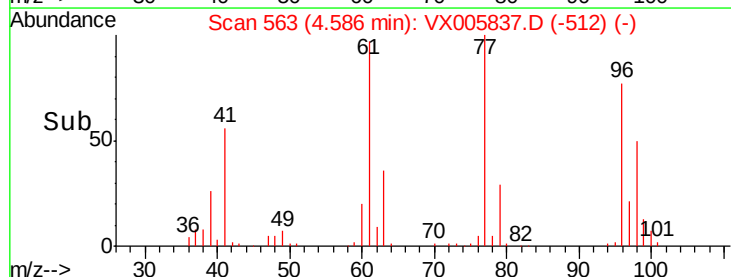
15000

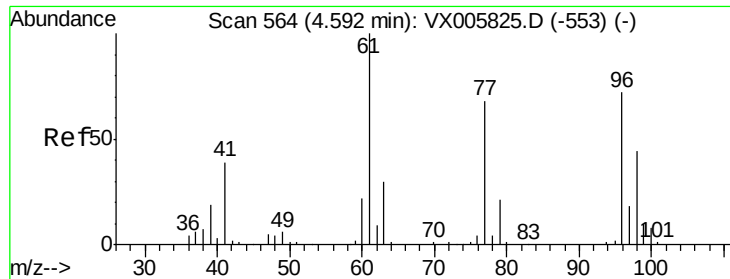
10000

5000

0

Time-->





#27

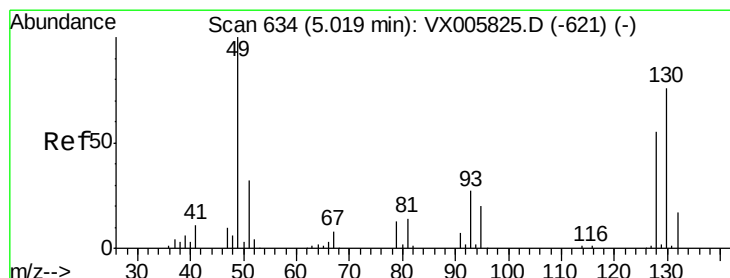
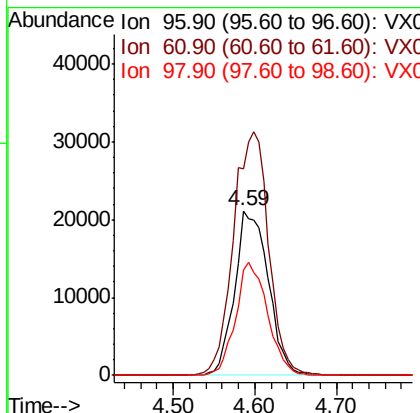
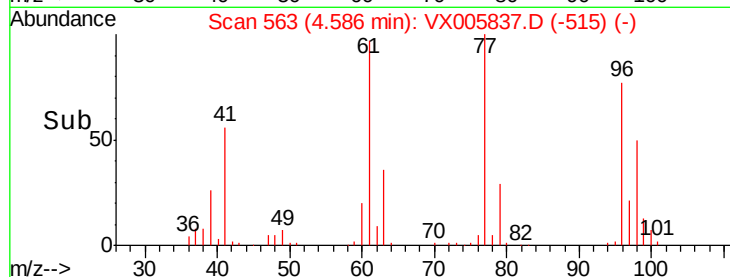
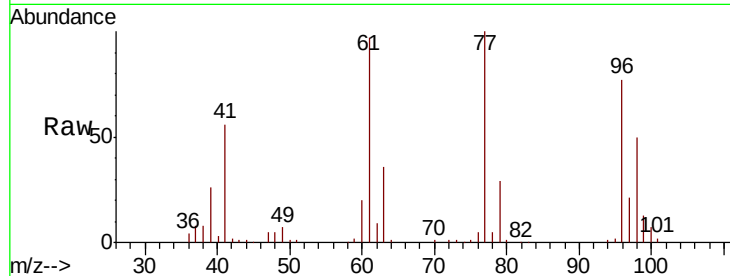
cis-1,2-Dichloroethene
Concen: 50.869 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	304.6
98	65.6	0.0	127.4

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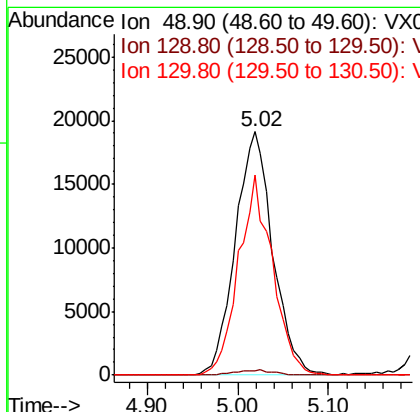
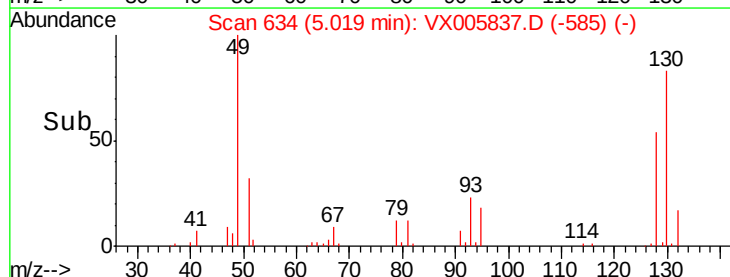
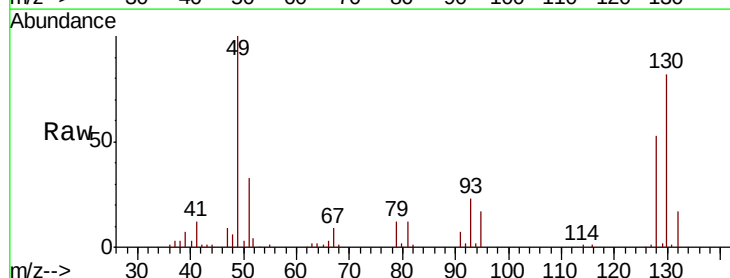
MMDadoda
11/9/2018 2:17:00 PM

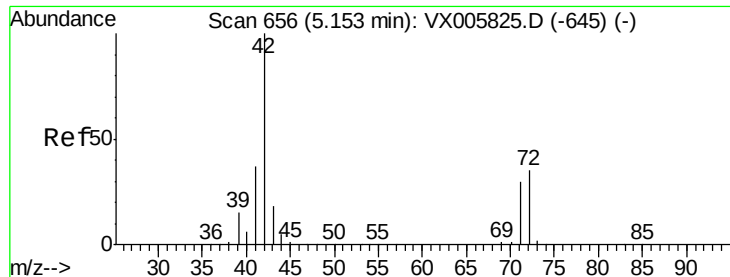


#28

Bromochloromethane
Concen: 57.616 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.7	58.9	88.3





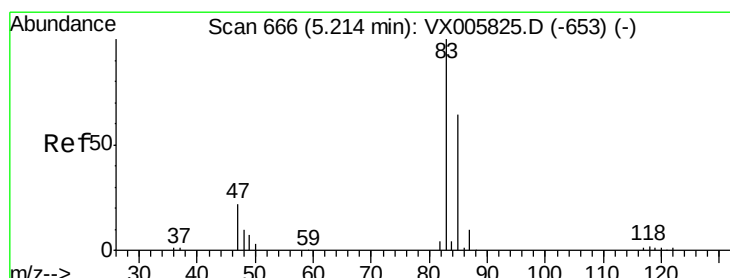
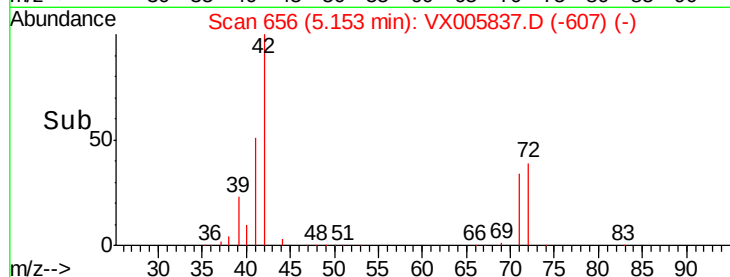
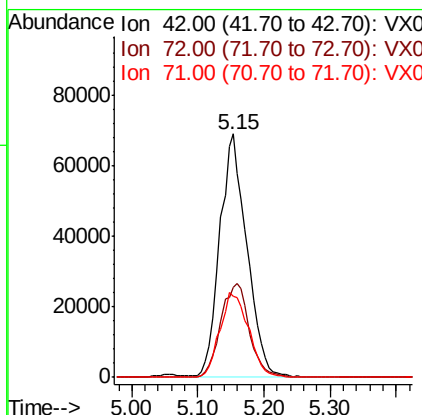
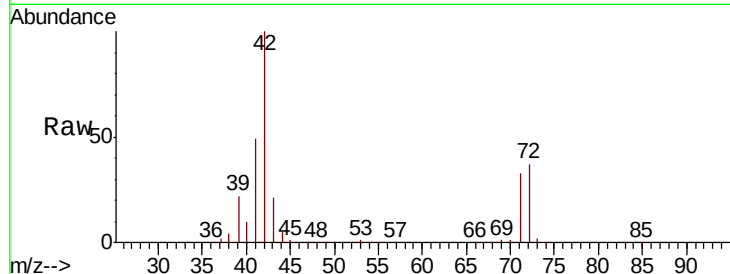
#29
Tetrahydrofuran
Concen: 271.227 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.0	48.0
71	36.8	29.8	44.8

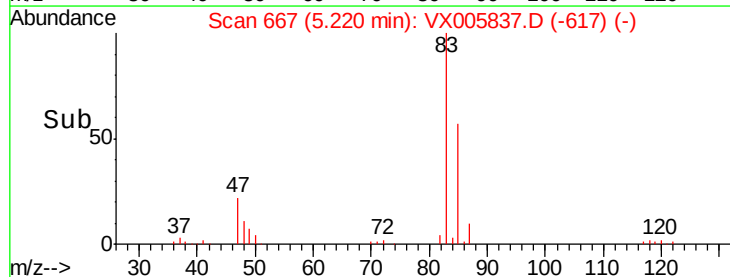
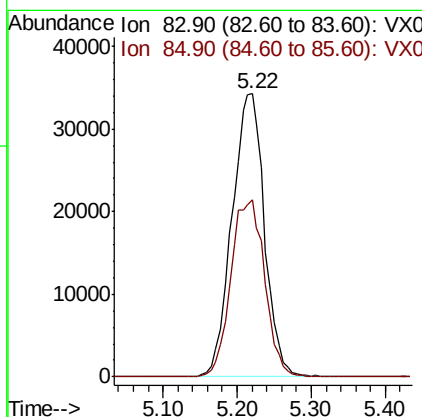
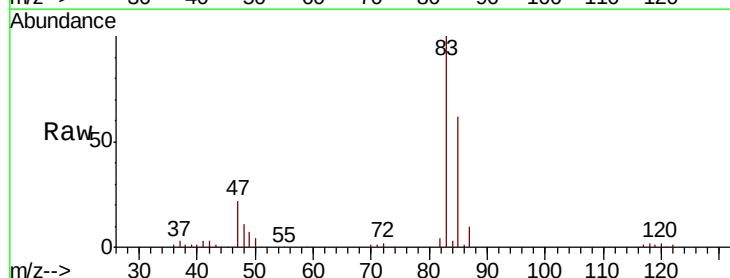
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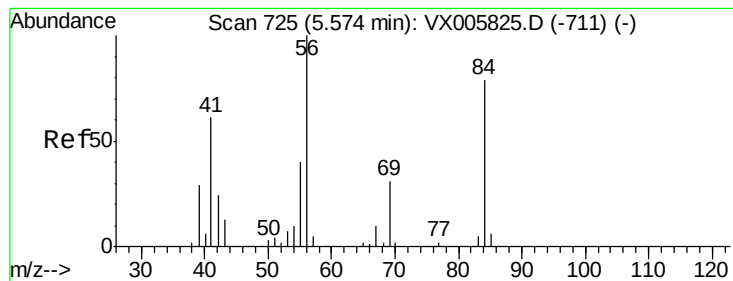
MMDadoda
11/9/2018 2:17:00 PM



#30
Chloroform
Concen: 50.854 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.6	76.0





#31

Cyclohexane

Concen: 52.989 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

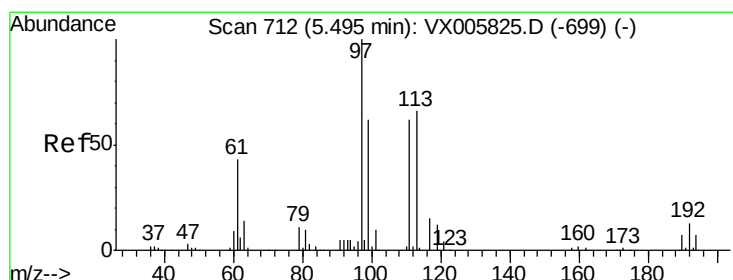
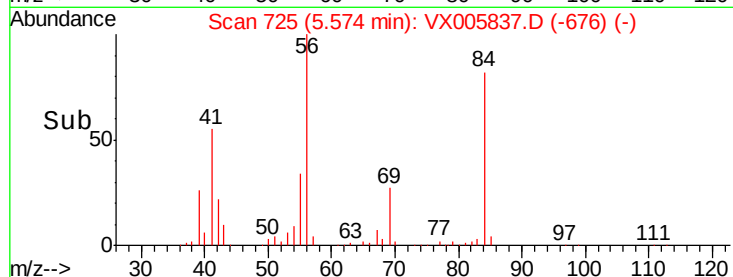
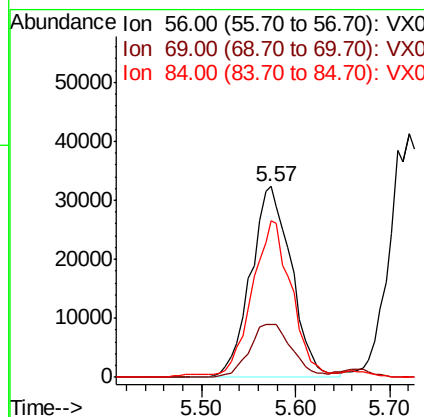
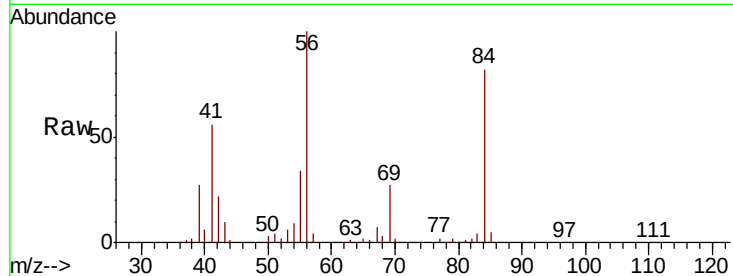
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	97780
Ion	Ratio	Lower	Upper
56	100		
69	27.5	22.6	34.0
84	80.8	62.7	94.1

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#32

1,1,1-Trichloroethane

Concen: 52.128 ug/l

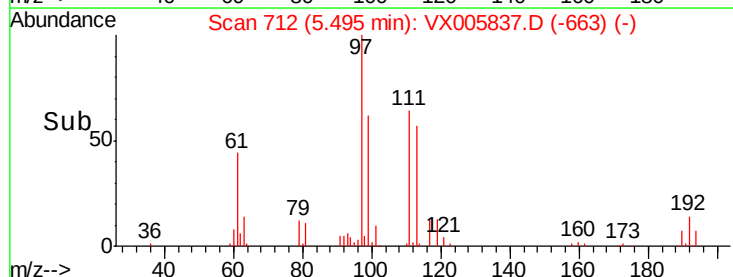
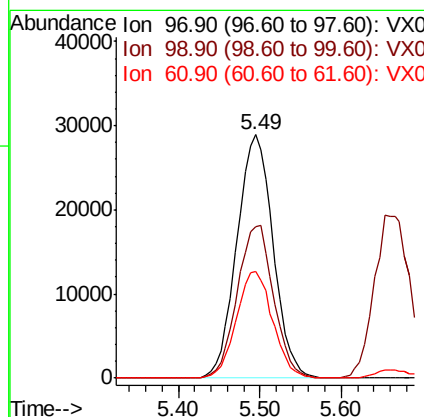
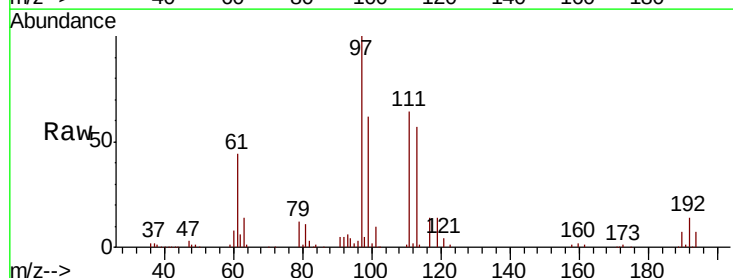
RT: 5.49 min Scan# 712

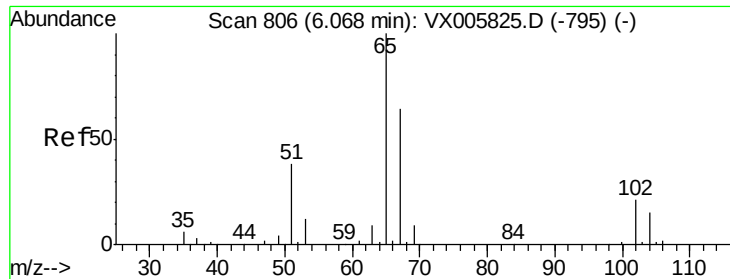
Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Tgt Ion:	97	Resp:	89173
Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.3	78.5
61	44.0	35.2	52.8





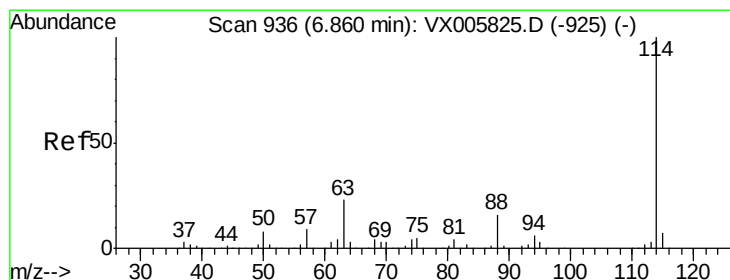
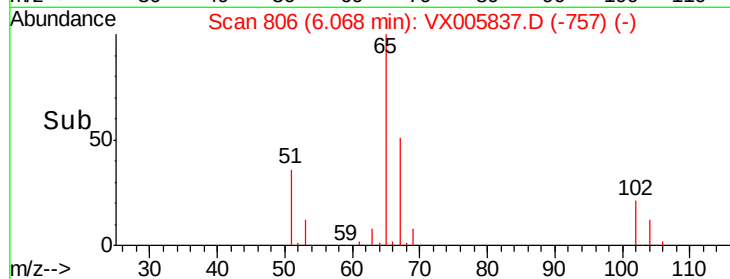
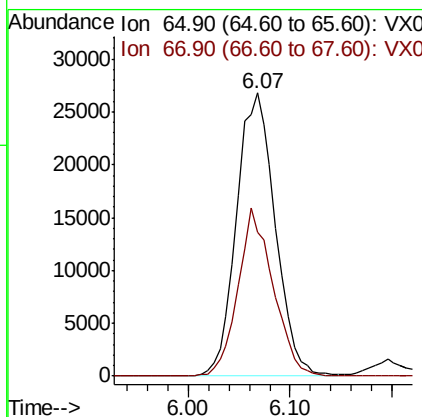
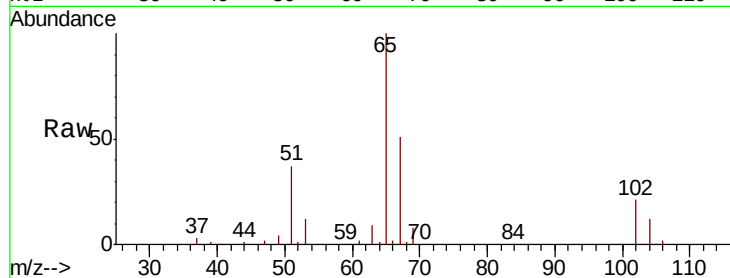
#33
 1,2-Dichloroethane-d4
 Concen: 53.273 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.0

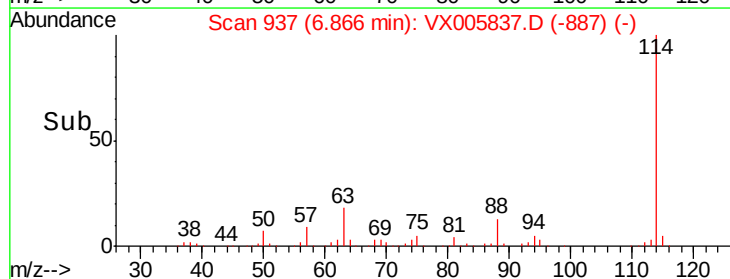
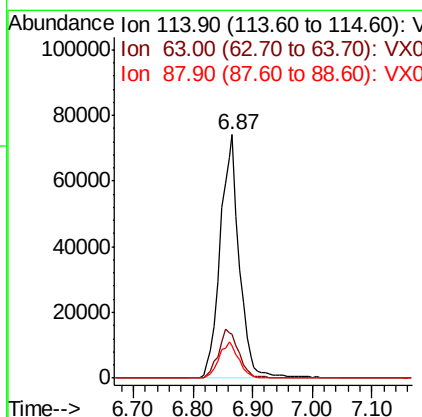
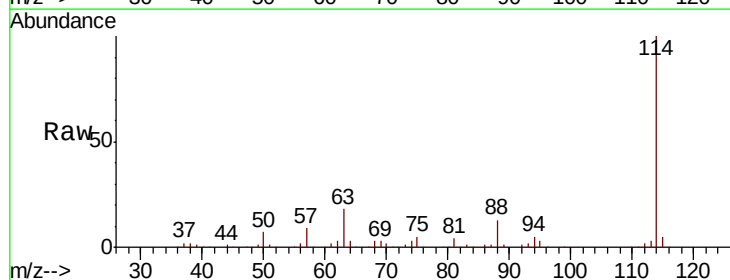
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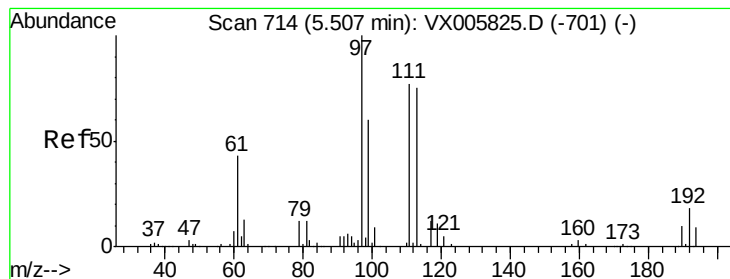
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 11/9/2018 2:17:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	42.8
88	13.3	0.0	31.2





#35

Dibromofluoromethane

Concen: 47.929 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

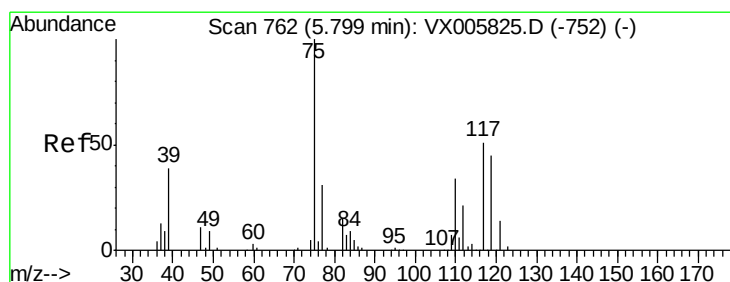
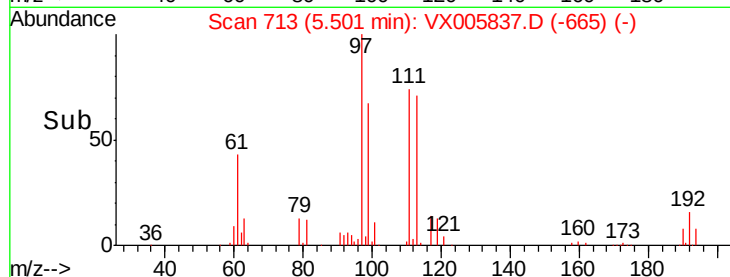
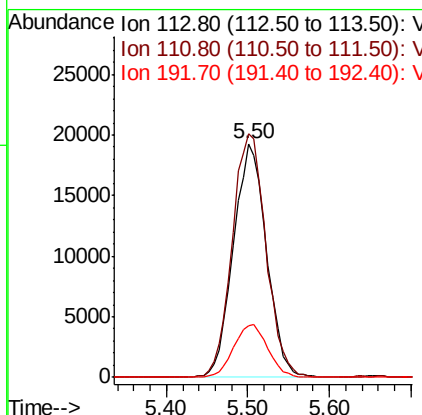
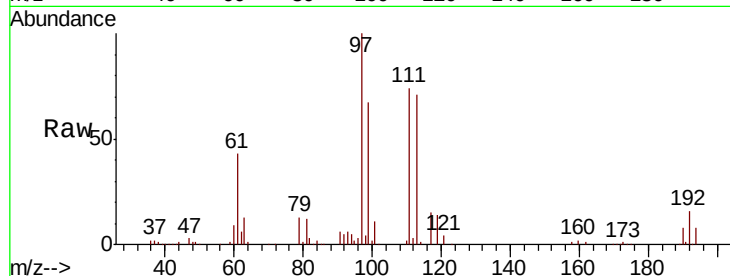
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	54057
Ion	Ratio	Lower	Upper
113	100		
111	106.4	82.3	123.5
192	23.2	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 49.640 ug/l

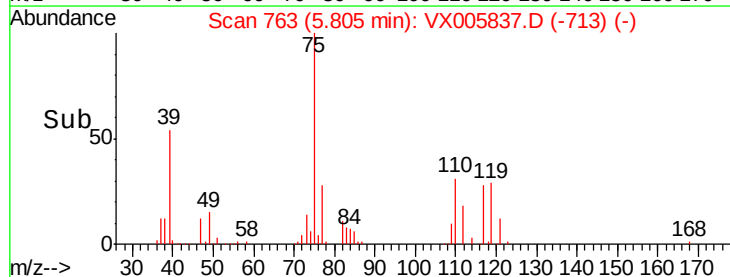
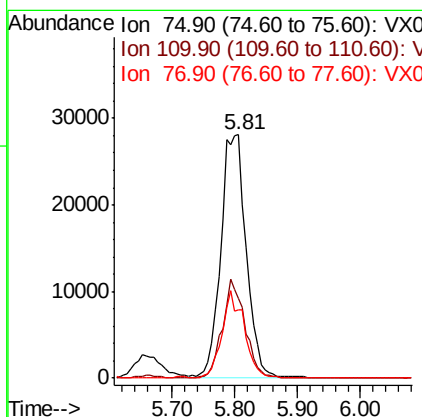
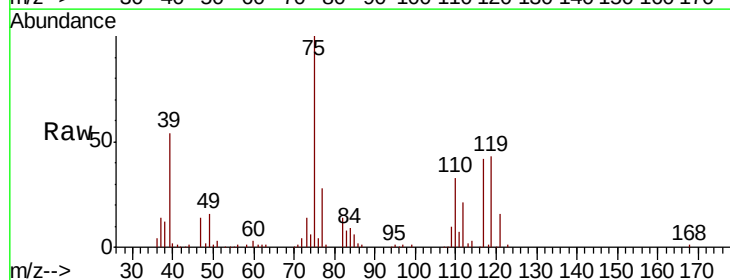
RT: 5.81 min Scan# 763

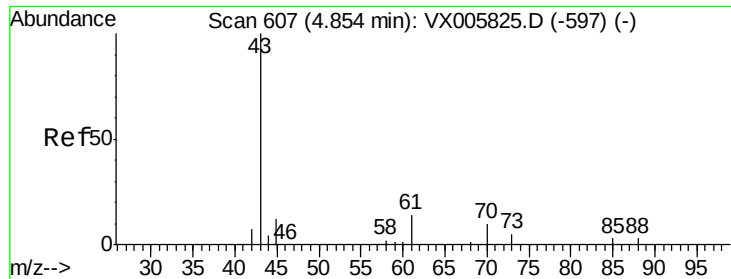
Delta R.T. 0.01 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Tgt Ion:	75	Resp:	79355
Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.4	52.2
77	30.8	25.8	38.6





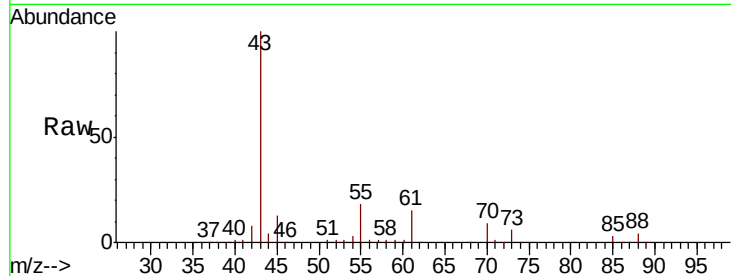
#37
Ethyl Acetate
Concen: 51.553 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

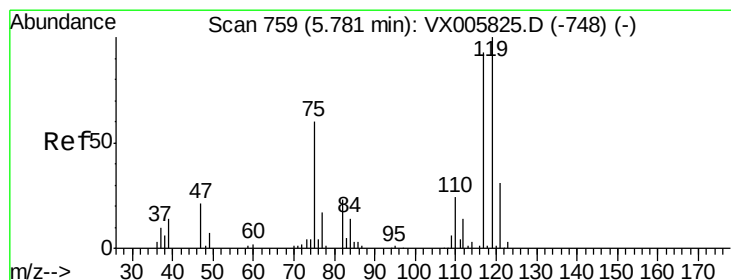
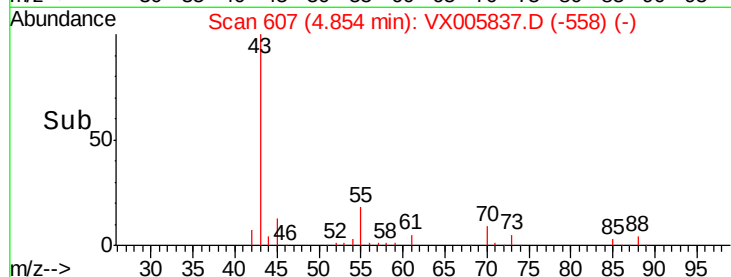
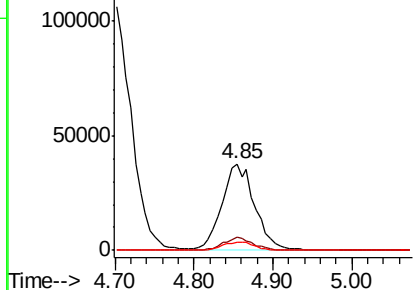
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.8	16.2
70	9.8	7.8	11.8

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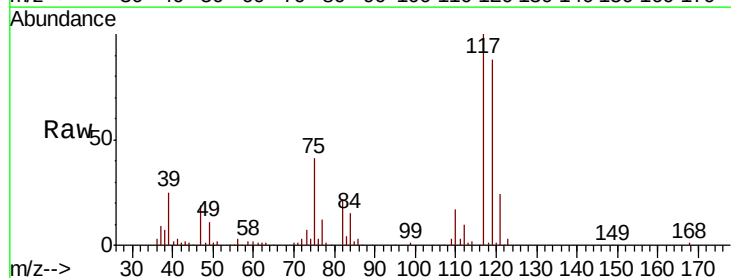


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

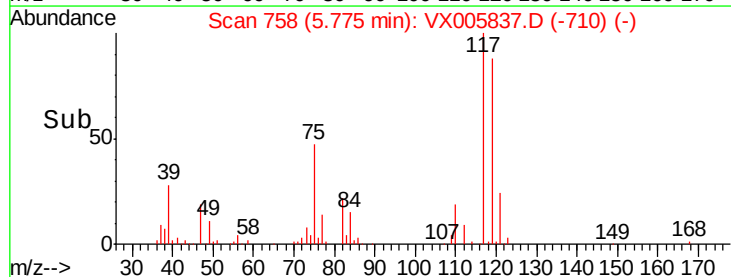
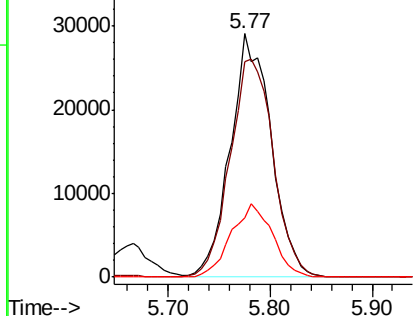


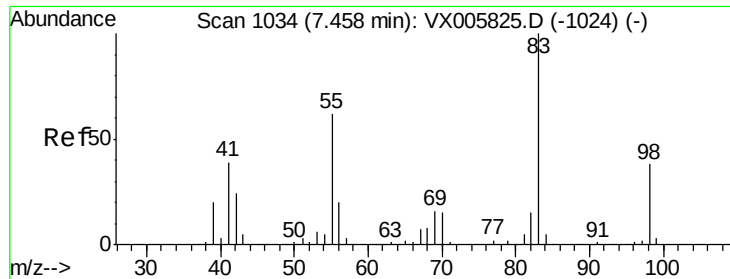
#38
Carbon Tetrachloride
Concen: 50.513 ug/l
RT: 5.77 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.3	78.1	117.1
121	24.5	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





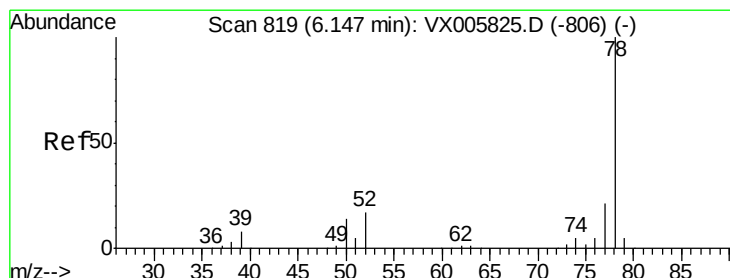
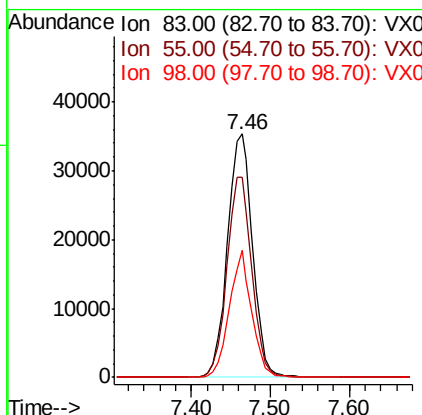
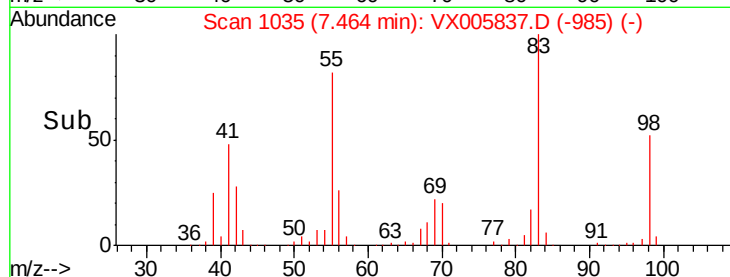
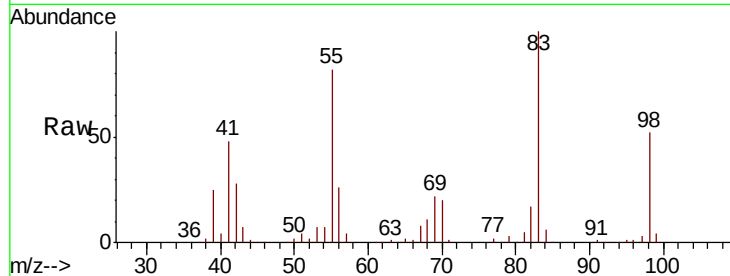
#39
Methylvlcyclohexane
Concen: 48.295 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	78249
Ion Ratio	100	Lower	Upper
83	100		
55	82.4	63.7	95.5
98	52.3	36.2	54.2

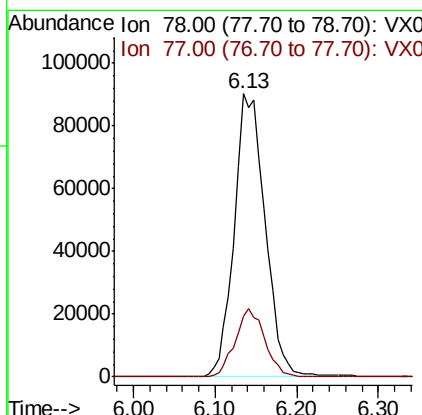
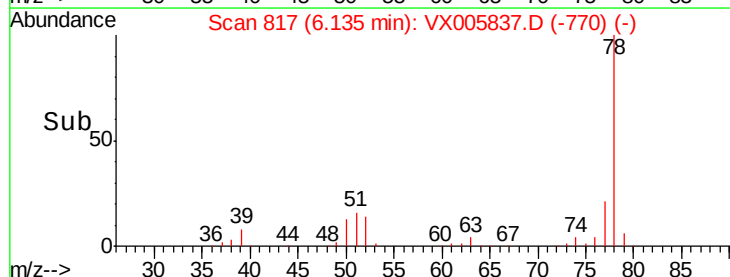
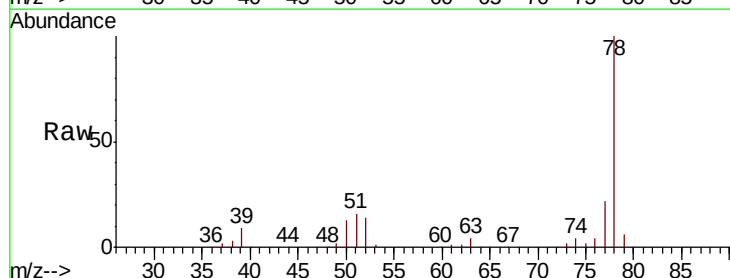
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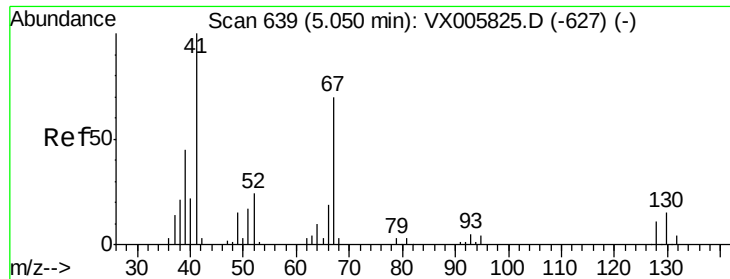
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#40
Benzene
Concen: 50.836 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion	78	Resp	236910
Ion Ratio	100	Lower	Upper
78	100		
77	21.5	18.4	27.6





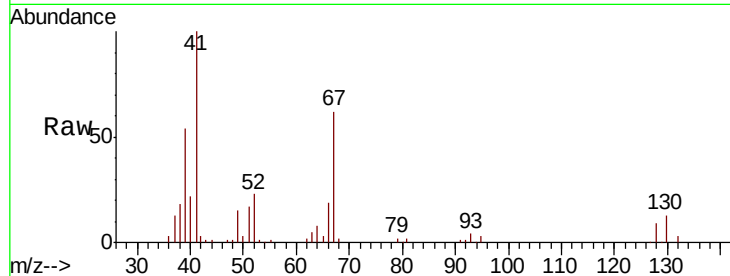
#41
Methacrylonitrile
Concen: 52.767 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.2	63.2	
67	66.0	53.4	80.0	
52	28.2	23.4	35.2	

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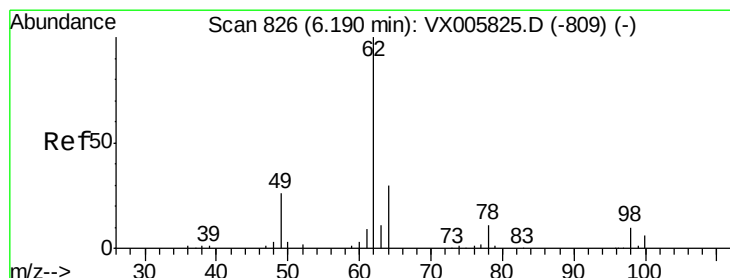
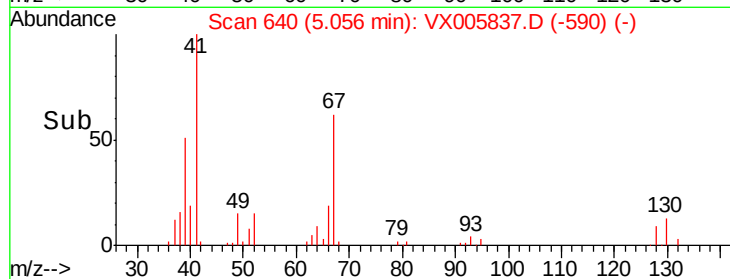
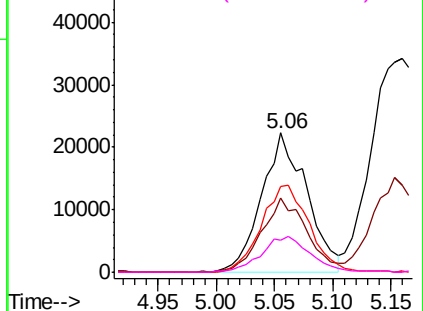
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

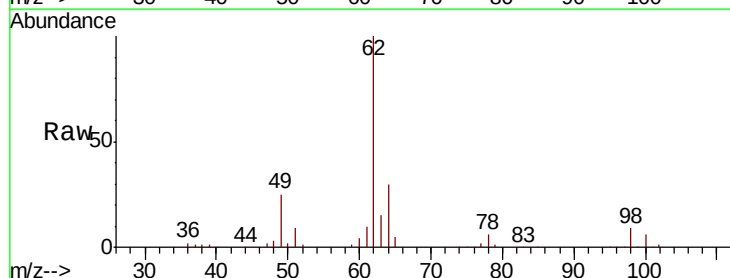
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 50.952 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

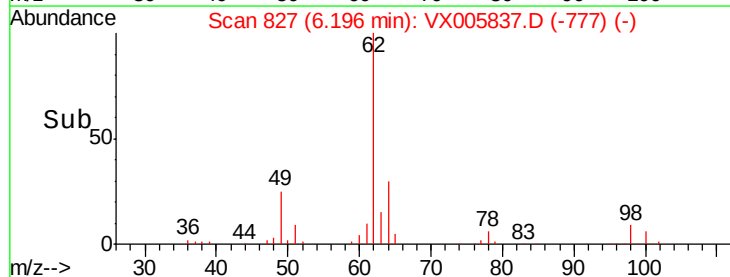
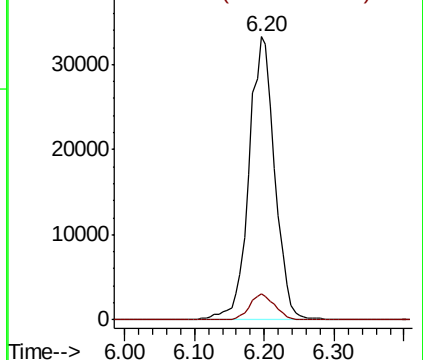
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.8	

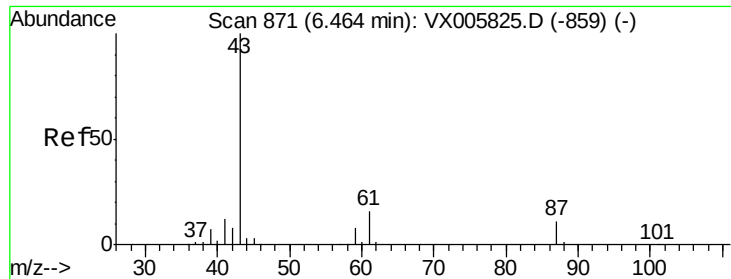


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.182 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

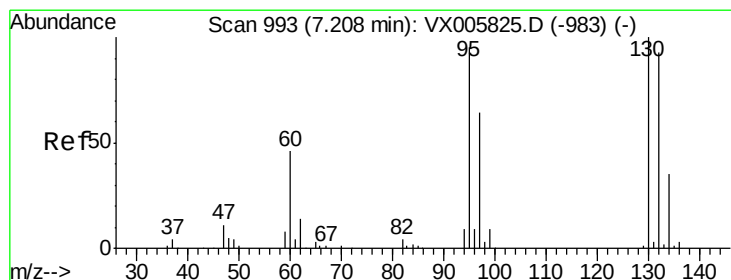
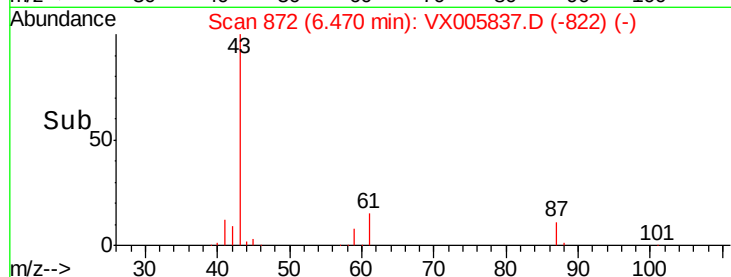
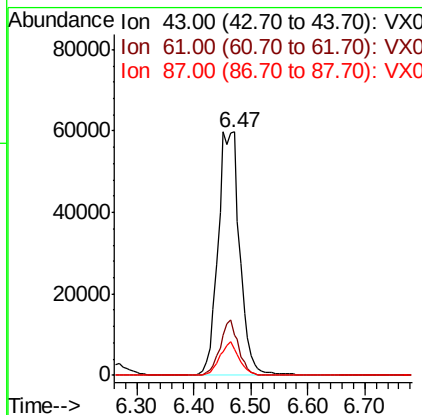
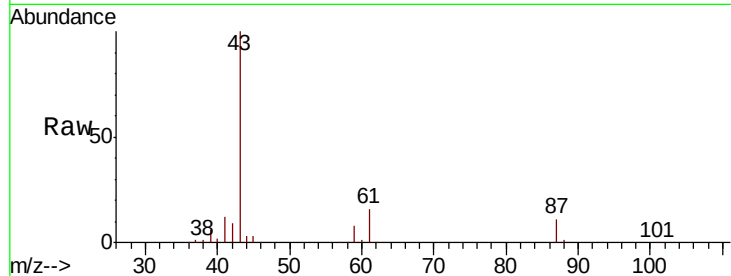
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	158951
Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.6	22.0
87	12.1	9.6	14.4

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11/9/2018 2:17:00 PM



#44

Trichloroethene

Concen: 47.180 ug/l

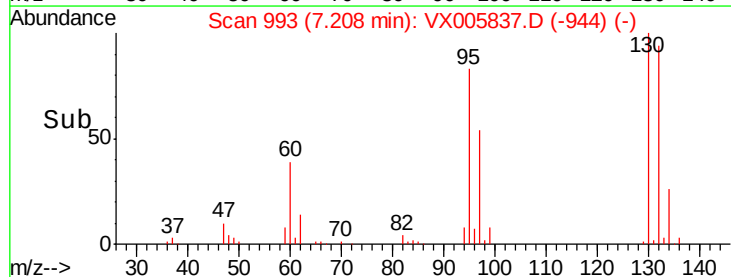
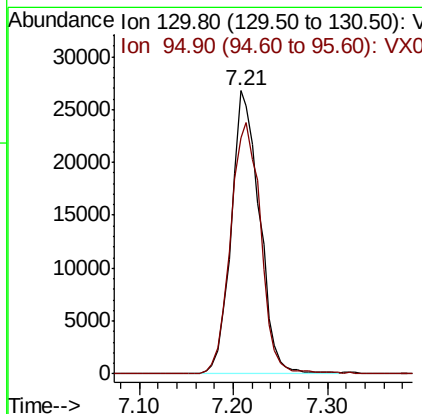
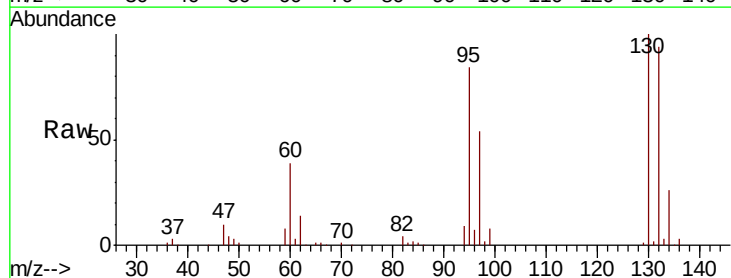
RT: 7.21 min Scan# 993

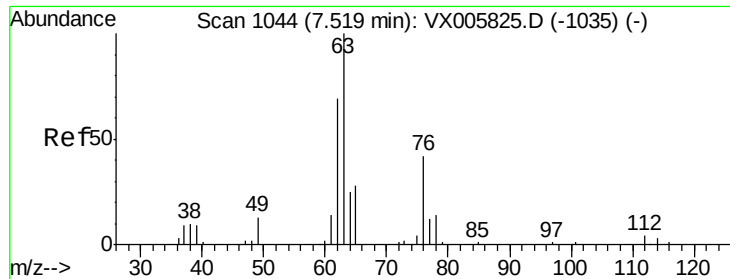
Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Tgt Ion:	130	Resp:	55838
Ion	Ratio	Lower	Upper
130	100		
95	83.5	0.0	194.2





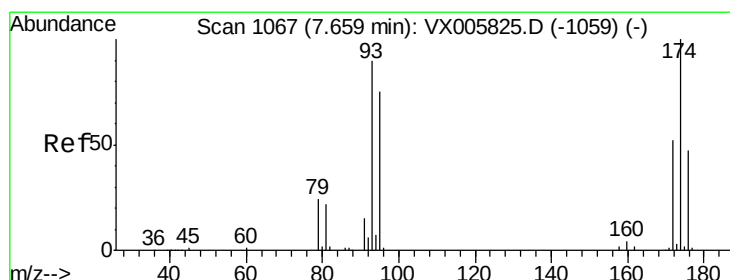
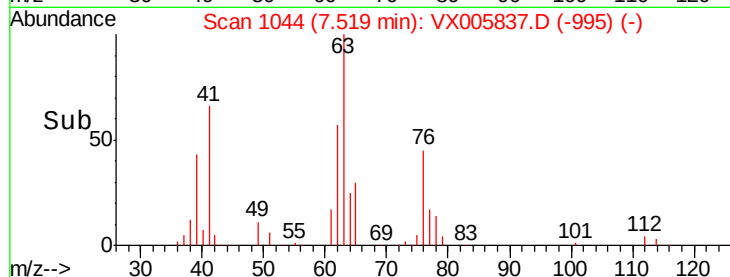
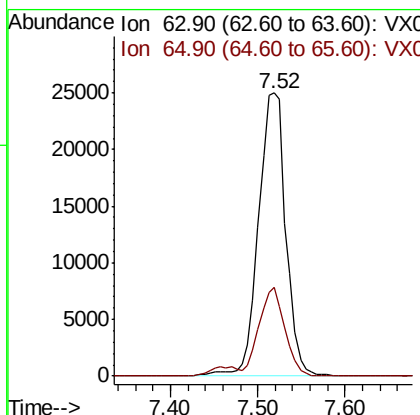
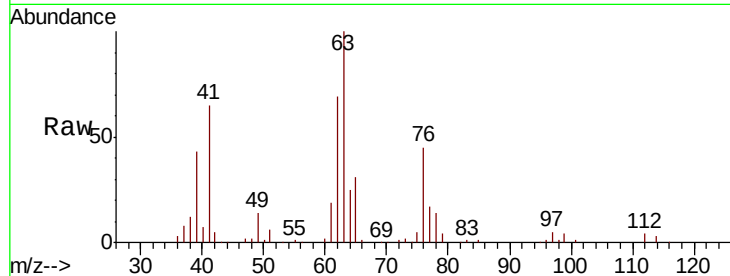
#45
 1,2-Dichloropropane
 Concen: 48.297 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 54630
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2

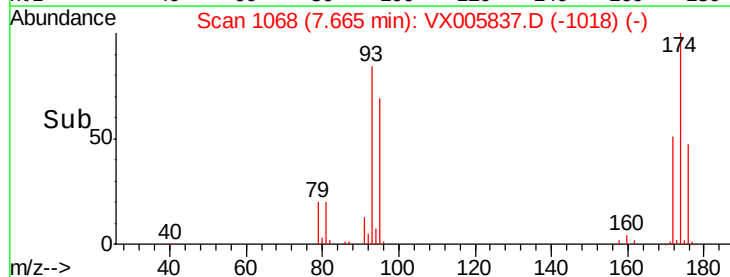
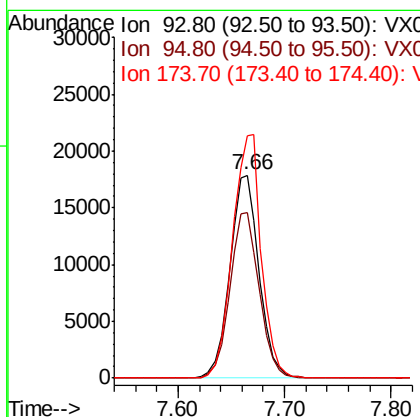
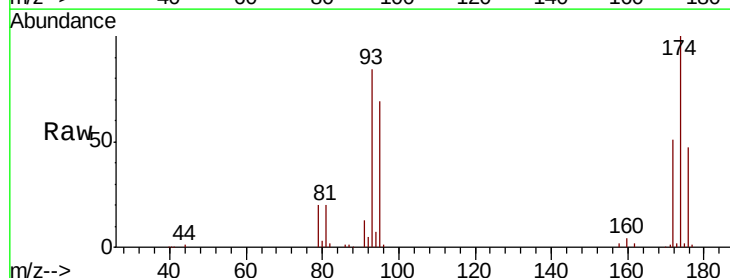
Manual Integrations
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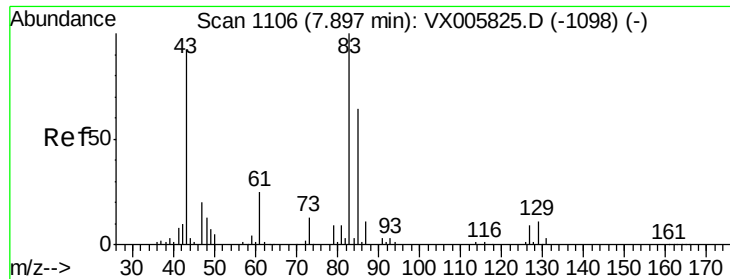
MMDadoda
 11/9/2018 2:17:00 PM



#46
 Dibromomethane
 Concen: 48.174 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion: 93 Resp: 34194
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.4 101.0
 174 118.8 91.5 137.3





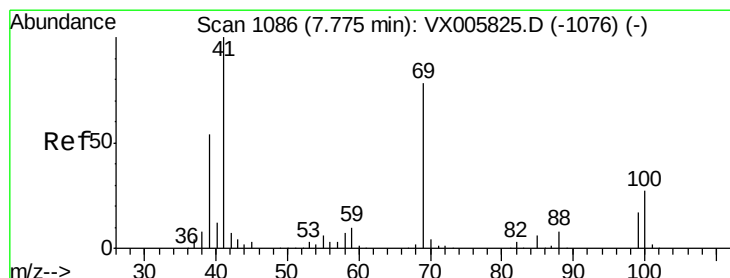
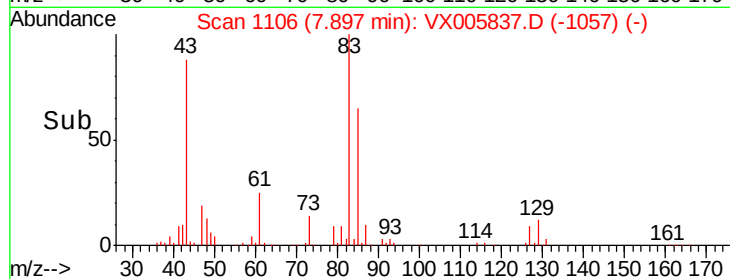
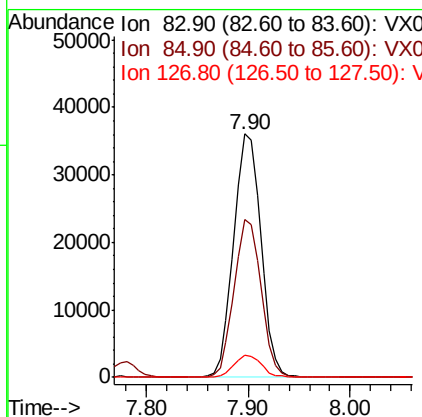
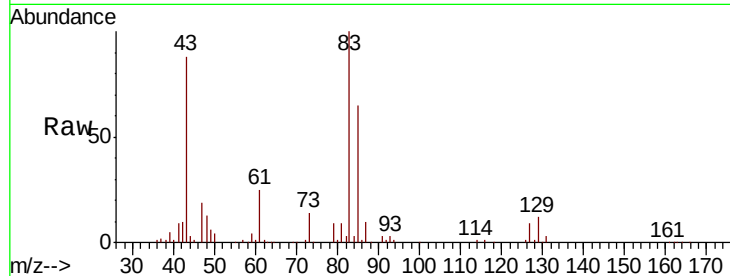
#47
Bromodichloromethane
Concen: 49.890 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.2	75.4
127	9.0	6.9	10.3

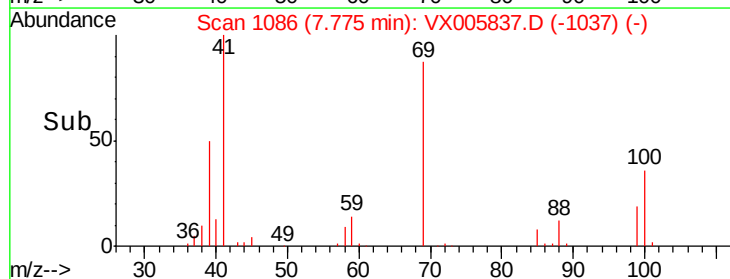
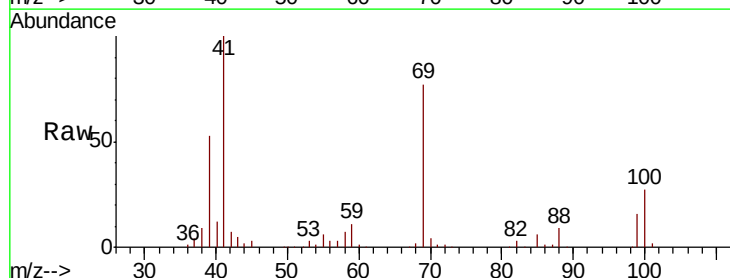
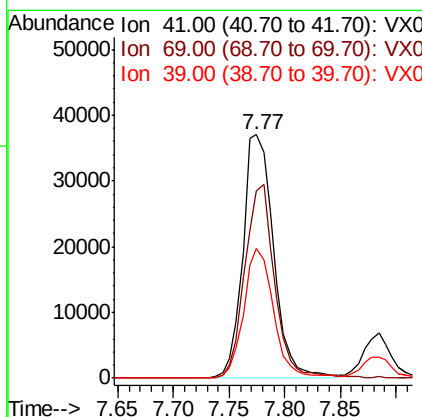
Manual Integrations
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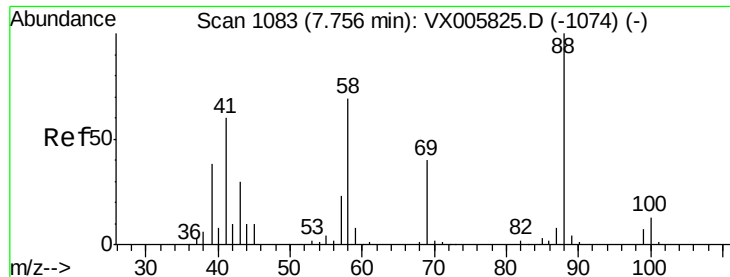
MMDadoda
11/9/2018 2:17:00 PM



#48
Methyl methacrylate
Concen: 52.371 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.2	63.2	94.8
39	51.5	42.2	63.2





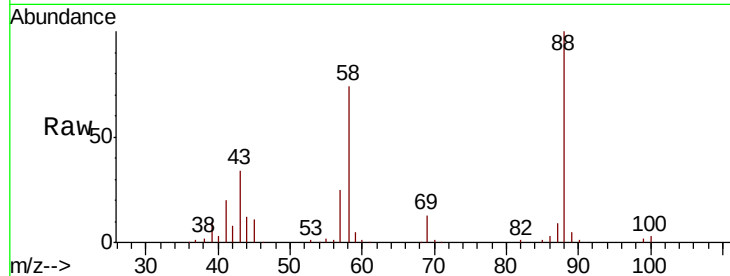
#49
1,4-Dioxane
Concen: 977.429 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	27.4	41.0
58	76.9	59.4	89.2

Manual Integrations
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MMDadoda
11/9/2018 2:17:00 PM

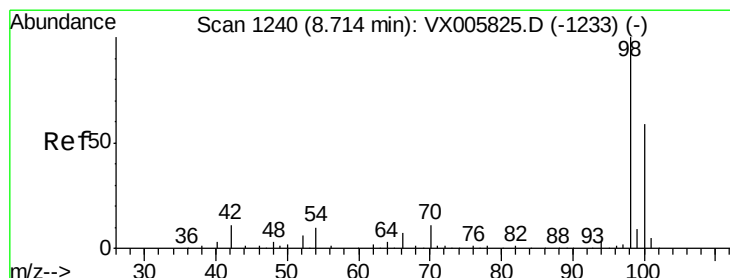
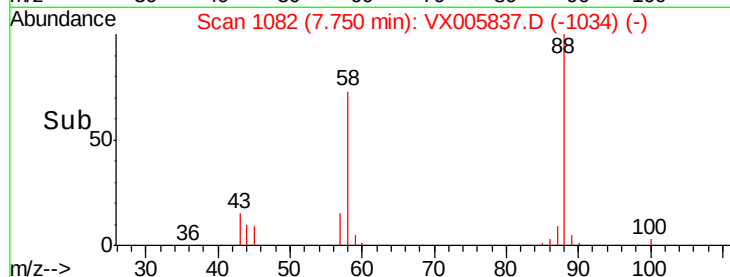
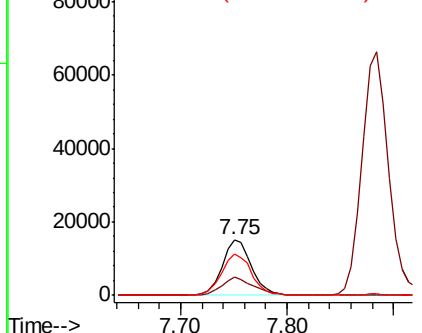


Abundance

Ion 88.00 (87.70 to 88.70): VX0

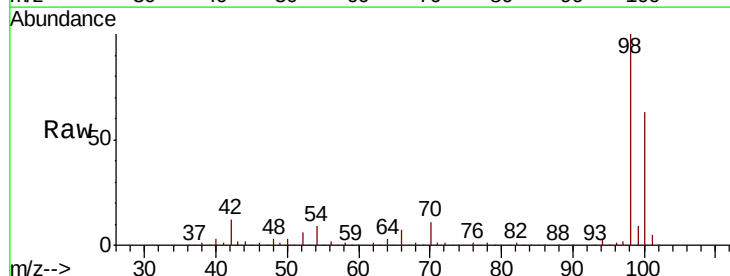
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.403 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

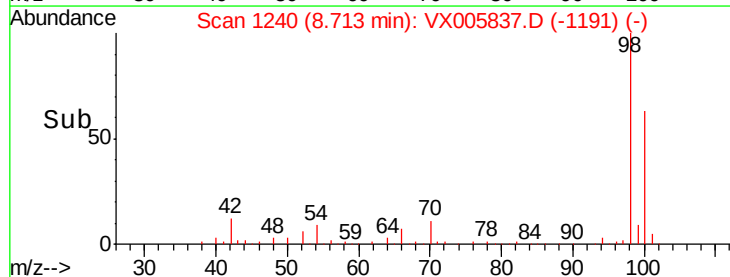
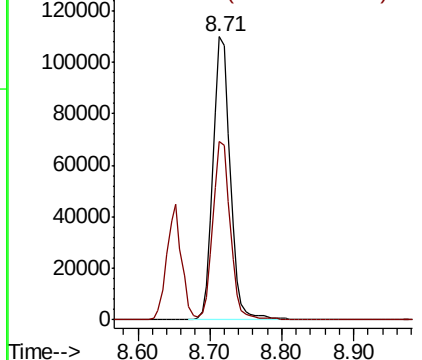
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9

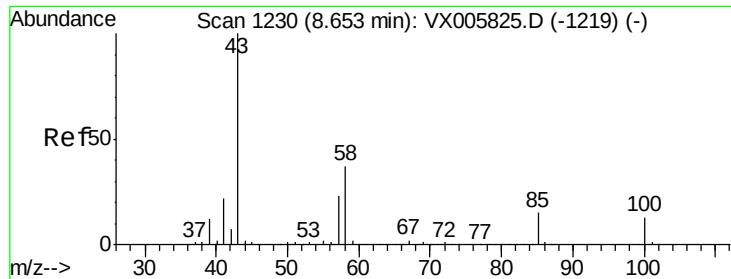


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 243.408 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 467289

Ion Ratio Lower Upper

43 100

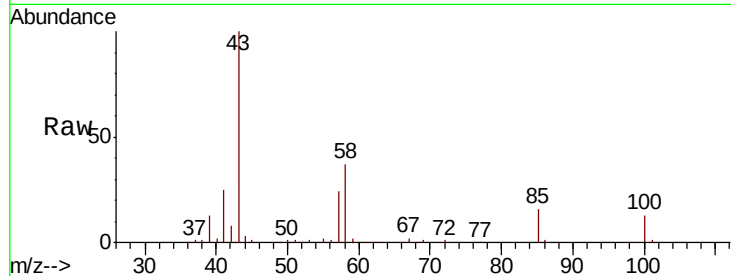
58 37.3 29.7 44.5

Manual Integrations

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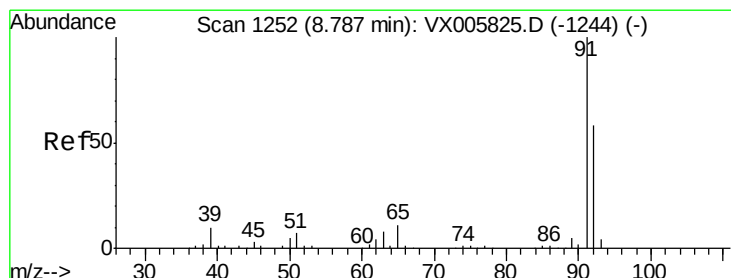
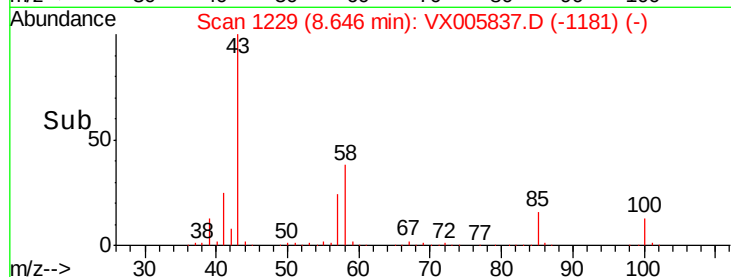
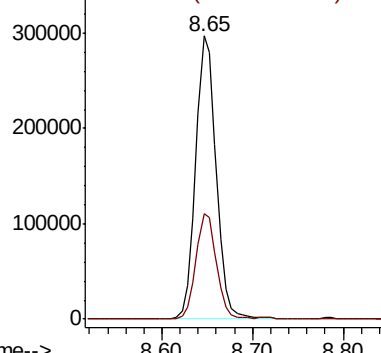
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.563 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005837.D

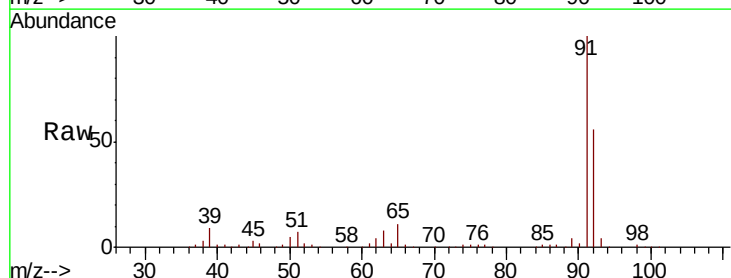
Acq: 07 Nov 2018 19:31

Tgt Ion: 92 Resp: 123883

Ion Ratio Lower Upper

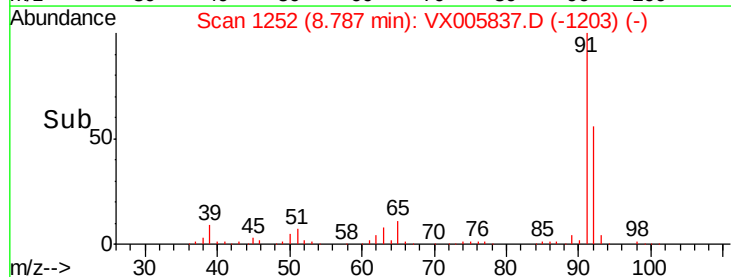
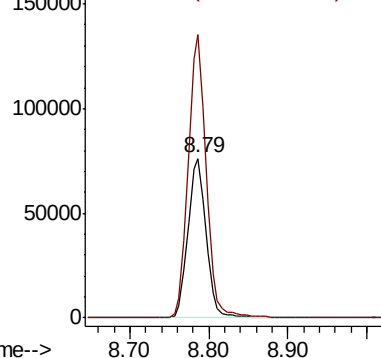
92 100

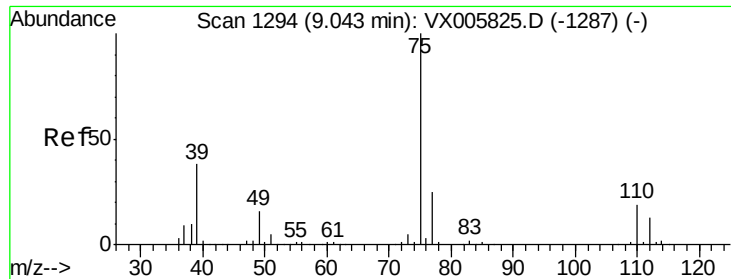
91 174.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





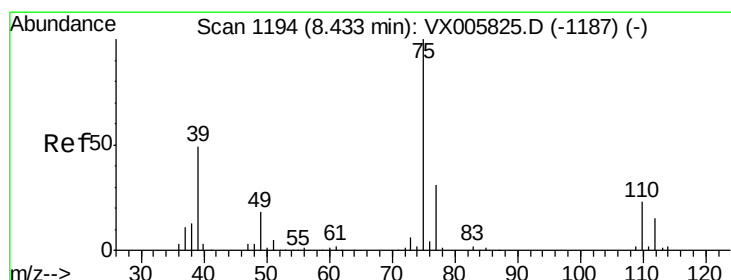
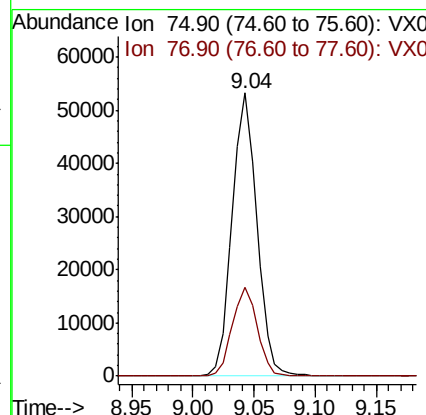
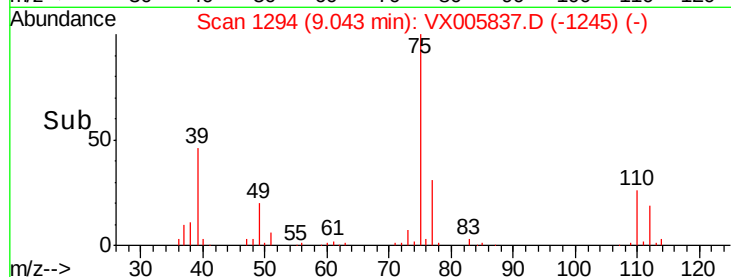
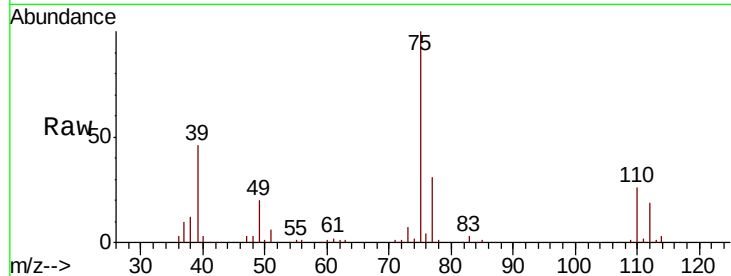
#53
t-1,3-Dichloropropene
Concen: 47.194 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 74708
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2

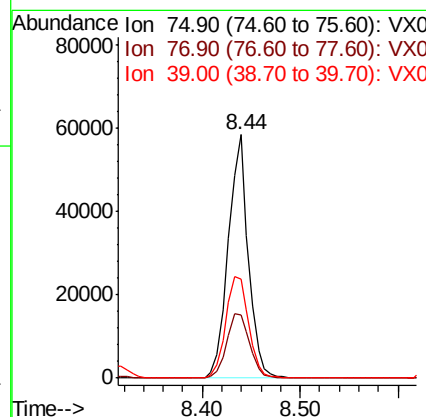
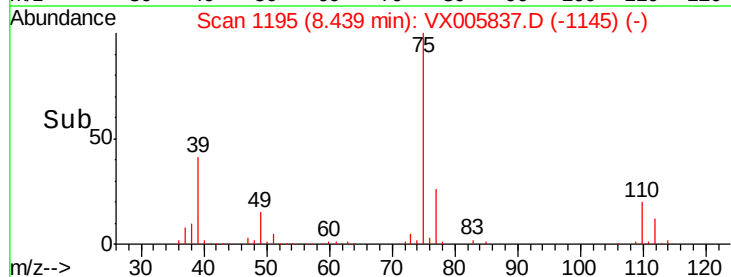
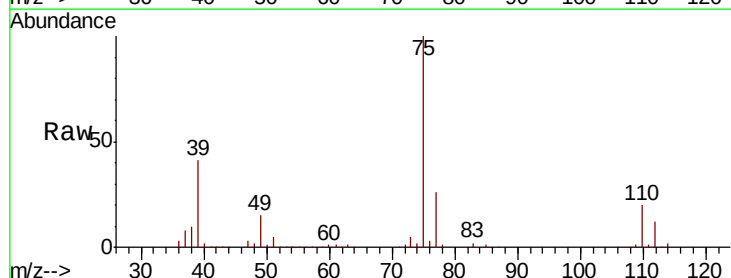
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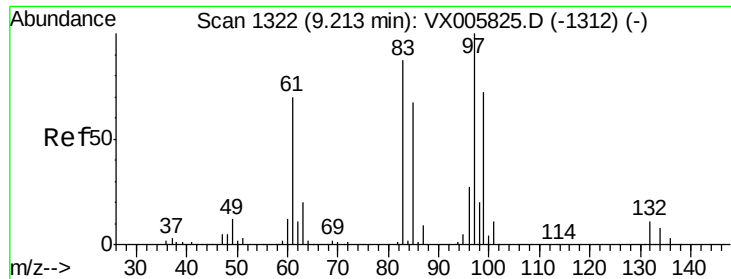
MMDadoda
11/9/2018 2:17:00 PM



#54
cis-1,3-Dichloropropene
Concen: 51.553 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion: 75 Resp: 83180
Ion Ratio Lower Upper
75 100
77 26.0 25.2 37.8
39 40.6 38.2 57.2





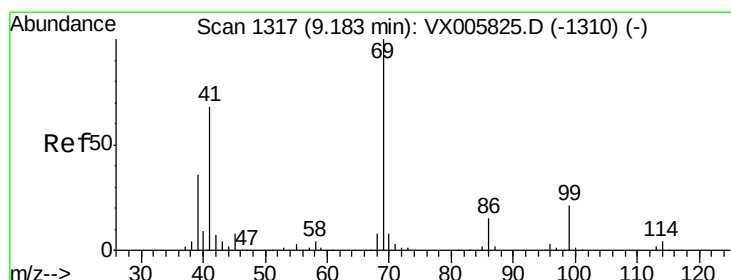
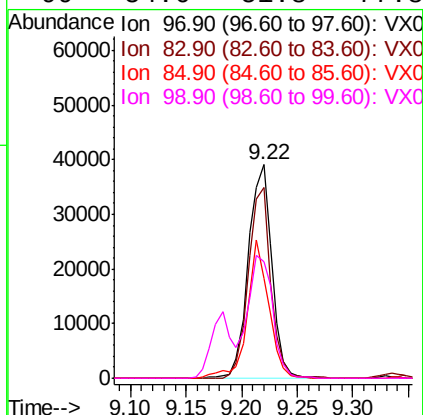
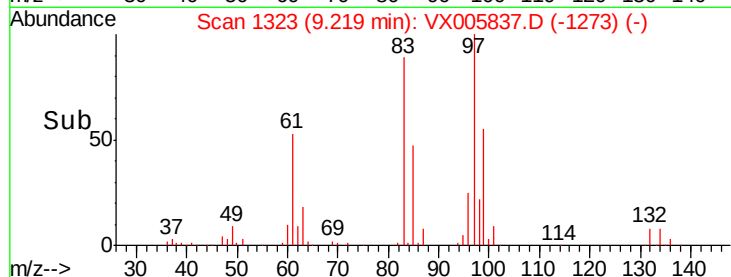
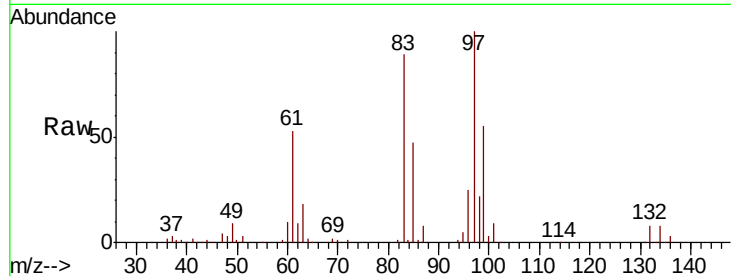
#55
 1,1,2-Trichloroethane
 Concen: 49.401 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	57344
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.7	106.1
85	46.6	45.8	68.6
99	54.6	51.8	77.8

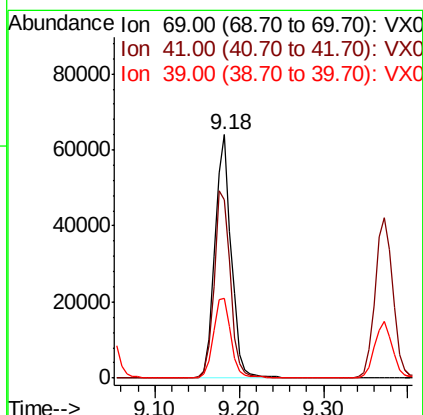
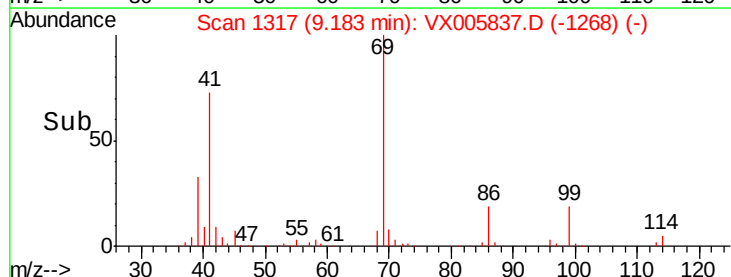
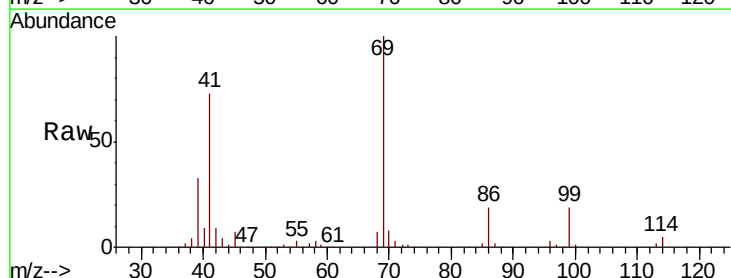
Manual Integrations
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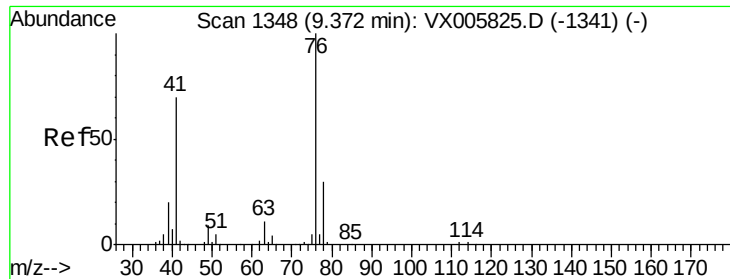
MMDadoda
 11/9/2018 2:17:00 PM



#56
 Ethyl methacrylate
 Concen: 49.843 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion:	69	Resp:	86569
Ion	Ratio	Lower	Upper
69	100		
41	76.7	57.0	85.6
39	35.5	28.3	42.5





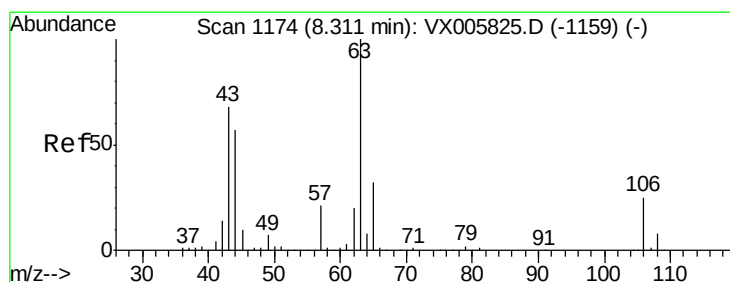
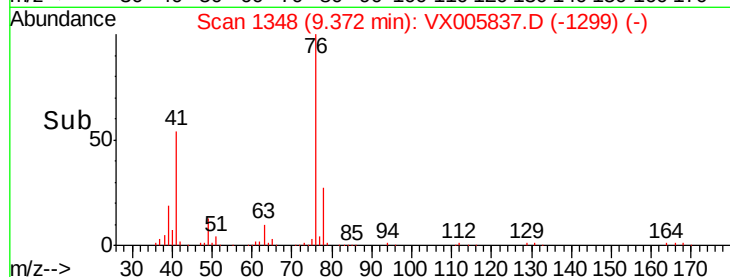
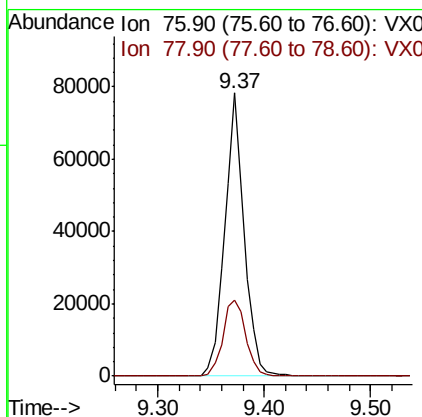
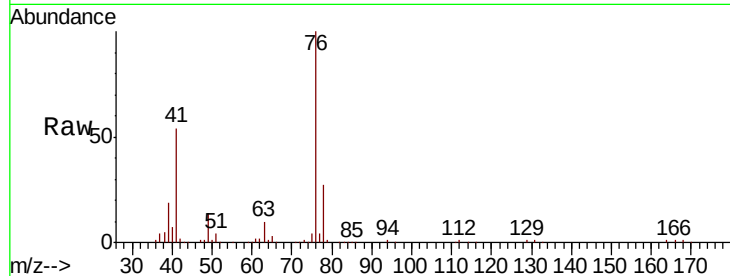
#57
 1,3-Dichloropropane
 Concen: 51.132 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.3	37.9

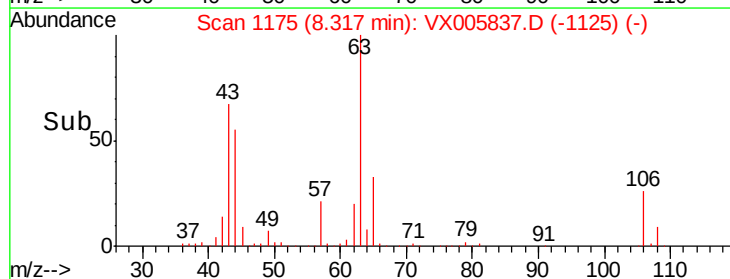
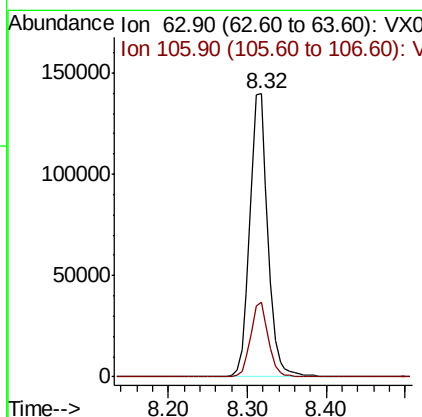
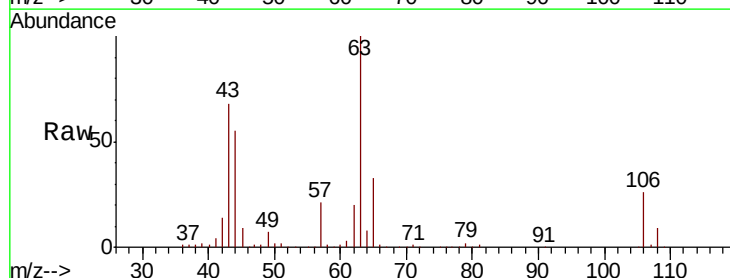
Manual Integrations
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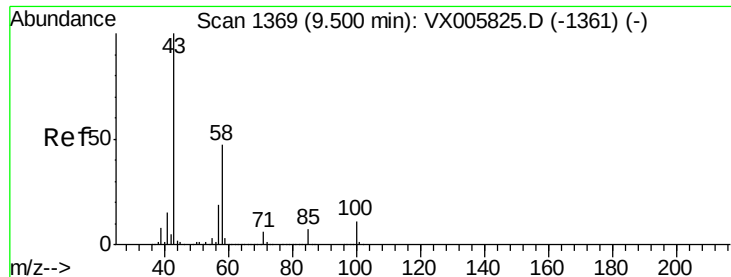
MMDadoda
 11/9/2018 2:17:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.754 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.3	31.9





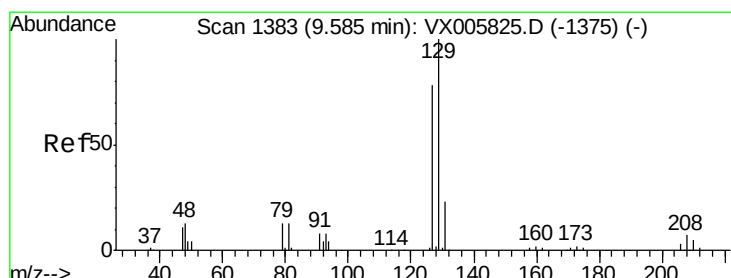
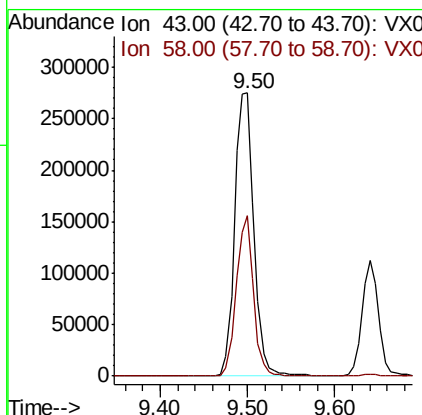
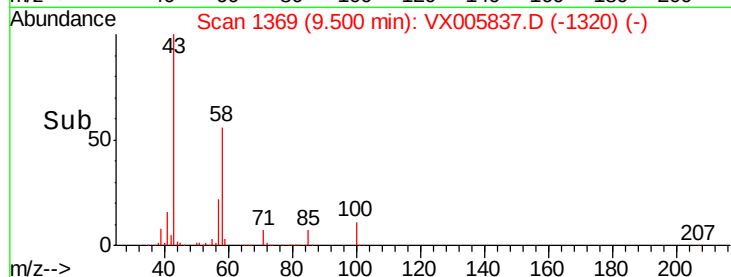
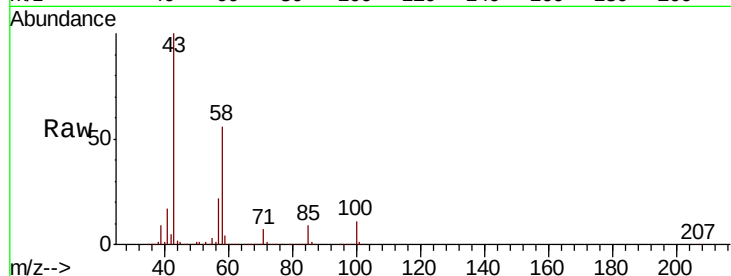
#59
2-Hexanone
Concen: 250.052 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 423137
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.8

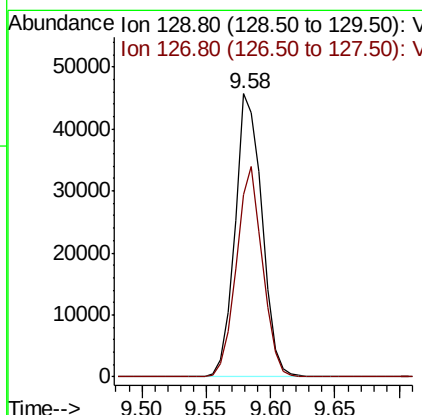
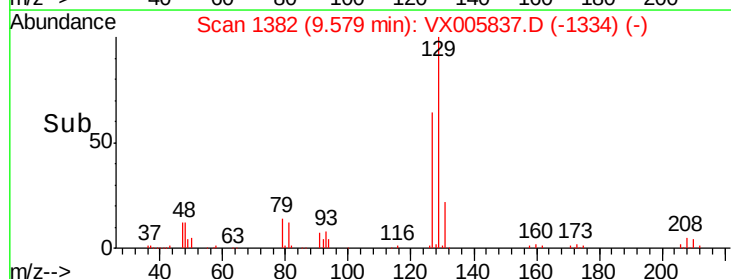
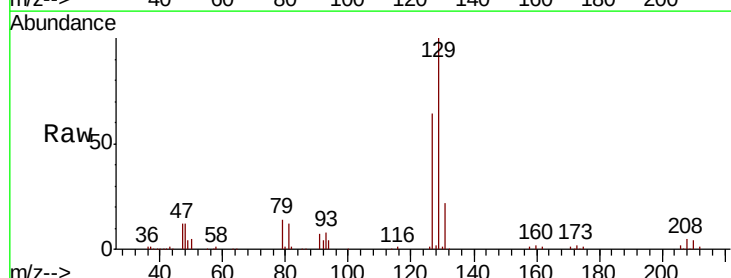
Manual Integrations
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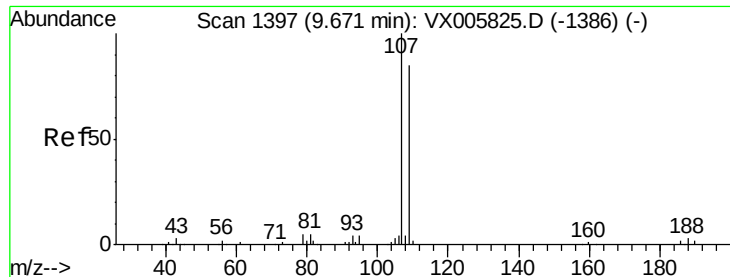
MMDadoda
11/9/2018 2:17:00 PM



#60
Dibromochloromethane
Concen: 52.896 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion: 129 Resp: 66359
Ion Ratio Lower Upper
129 100
127 72.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 49.842 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 63976

Ion Ratio Lower Upper

107 100

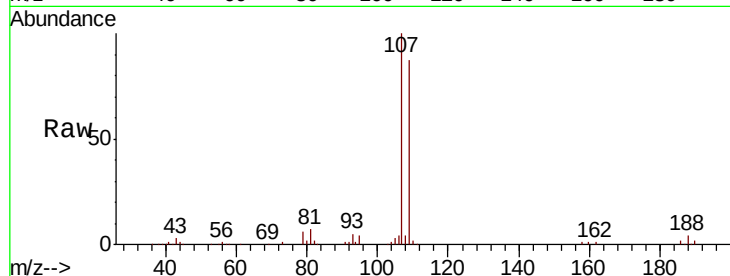
109 95.5 75.7 113.5

Manual Integrations

APPROVED

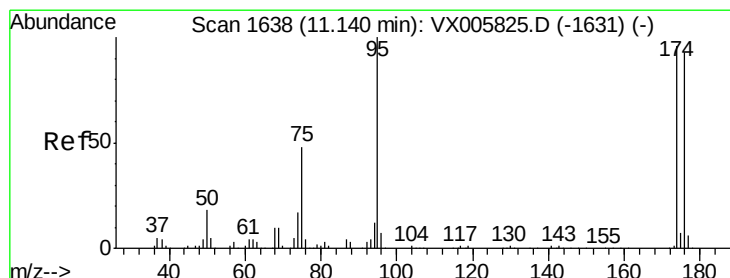
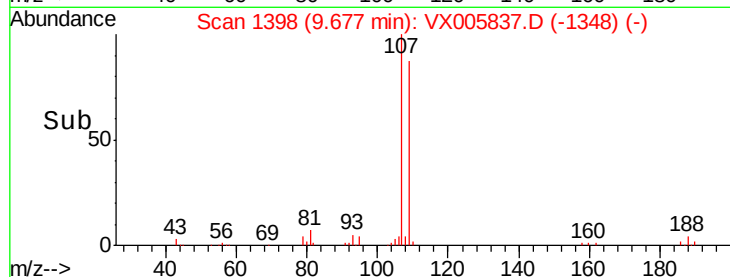
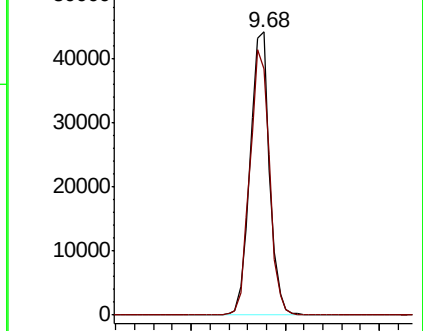
MMDadoda

11/9/2018 2:17:00 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.898 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

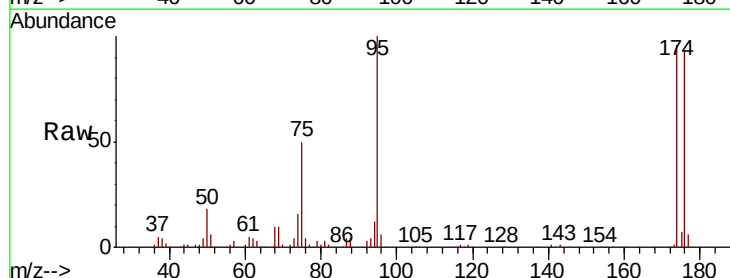
Tgt Ion: 95 Resp: 67270

Ion Ratio Lower Upper

95 100

174 92.0 0.0 184.4

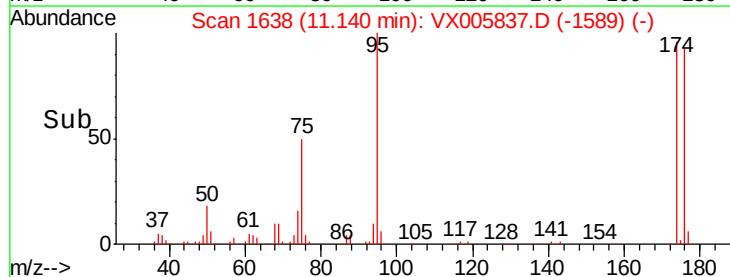
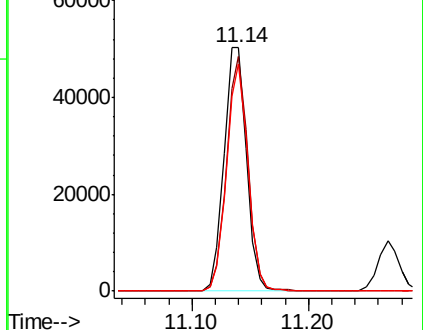
176 88.9 0.0 177.4

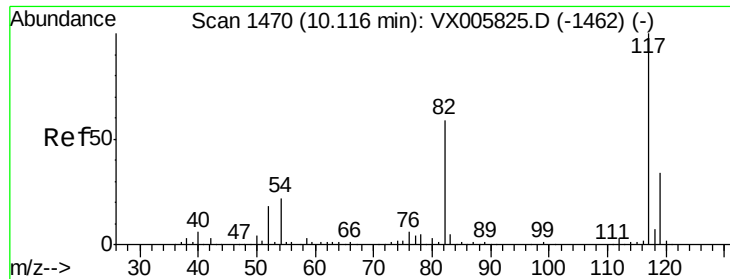


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

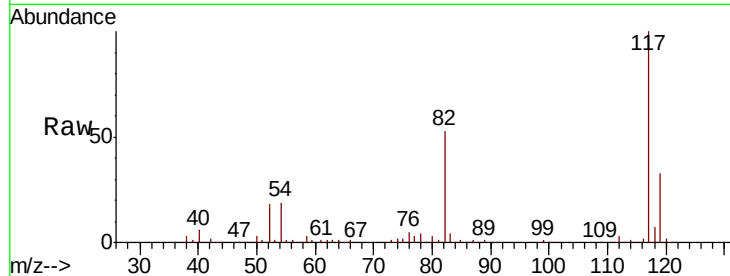
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	155216
Ion Ratio	Lower	Upper	
117	100		
82	52.6	44.1	66.1
119	33.3	26.2	39.2

Manual Integrations
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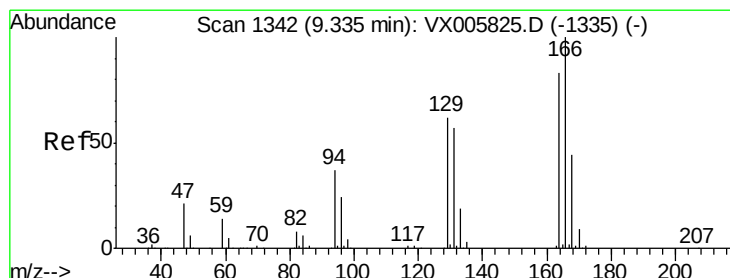
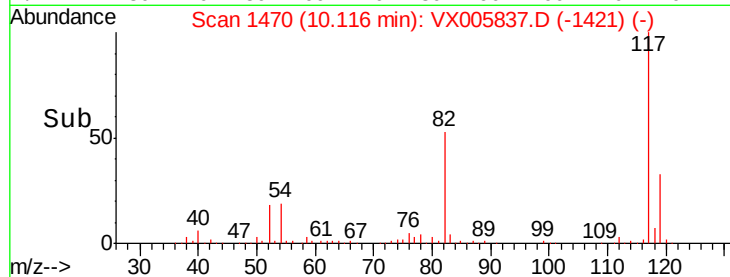
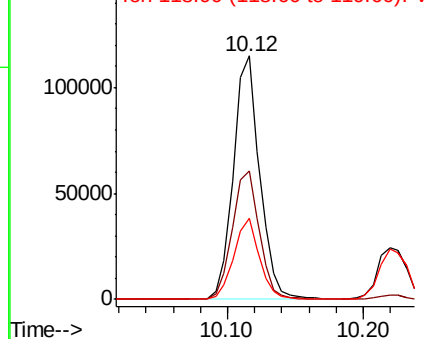


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.845 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Tgt Ion:	164	Resp:	63228
Ion Ratio	Lower	Upper	
164	100		
166	135.8	101.9	152.9
129	100.9	72.6	109.0
131	95.0	71.1	106.7

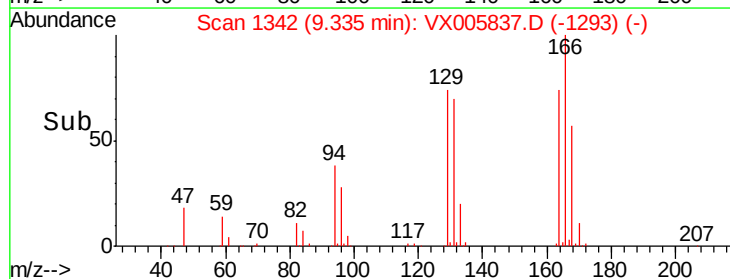
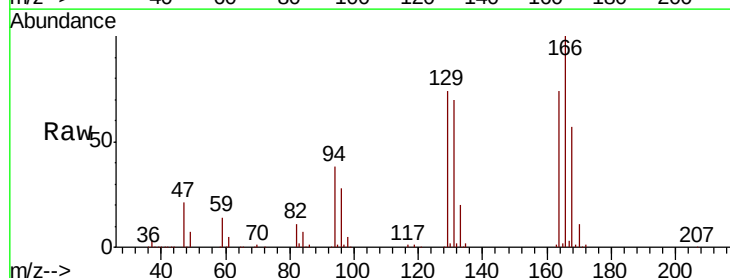
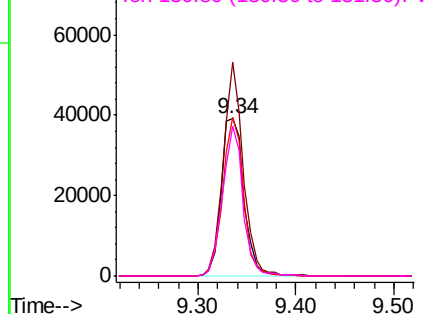
Abundance

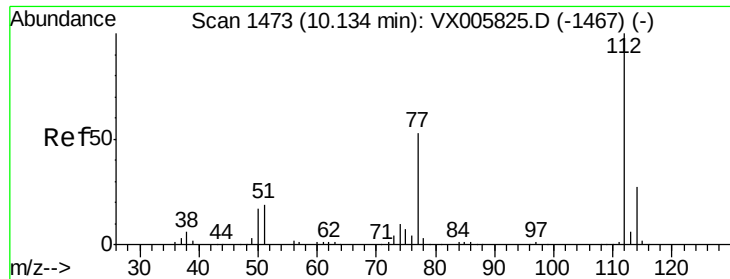
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





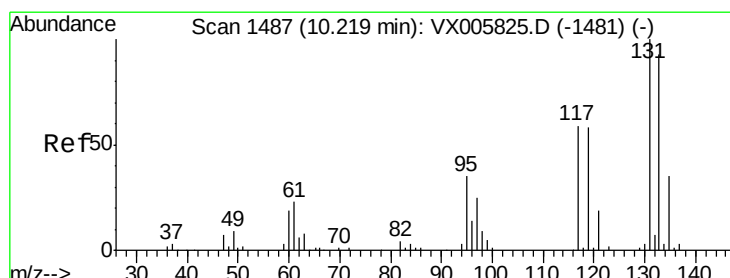
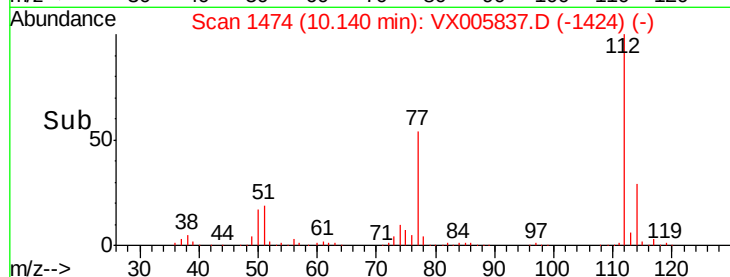
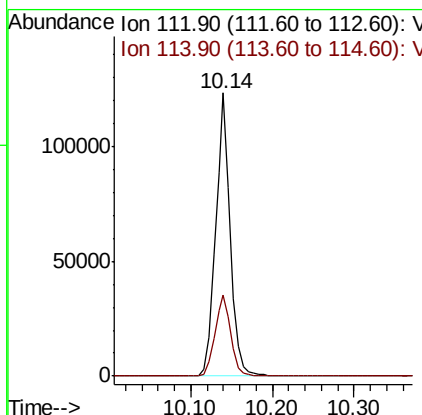
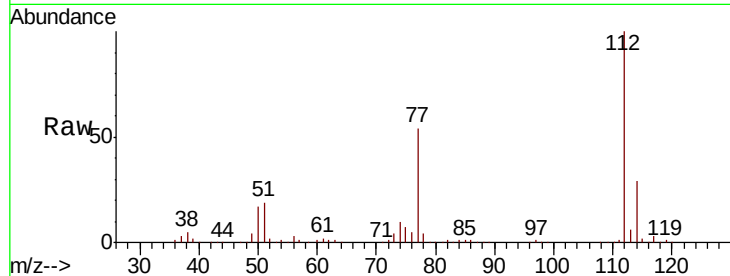
#65
Chlorobenzene
Concen: 50.005 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 155489
Ion Ratio Lower Upper
112 100
114 28.7 25.8 38.6

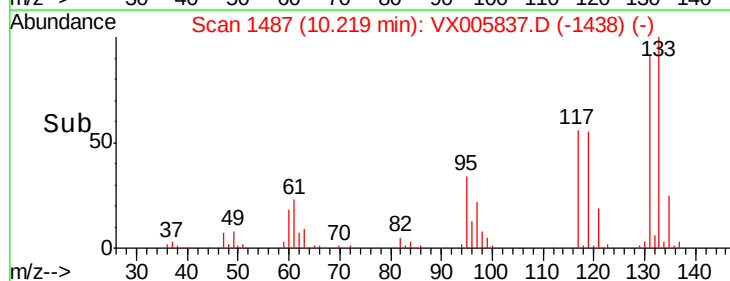
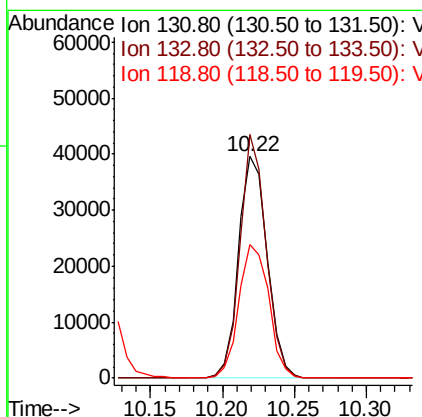
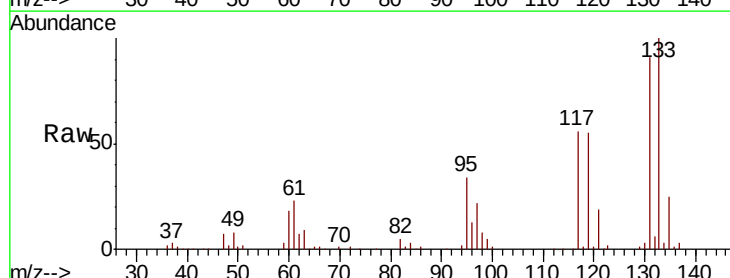
Manual Integrations
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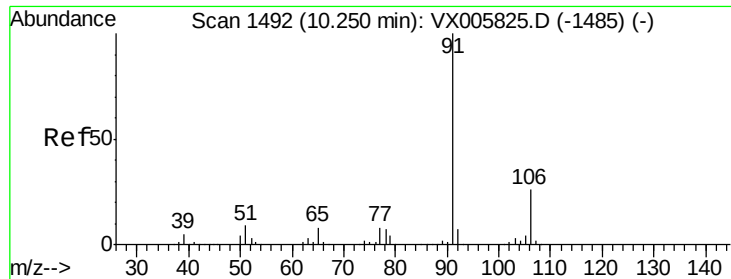
MMDadoda
11/9/2018 2:17:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.548 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion:131 Resp: 54644
Ion Ratio Lower Upper
131 100
133 100.0 47.5 142.5
119 63.1 31.8 95.3





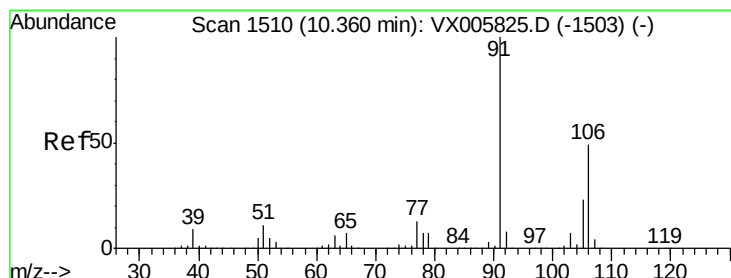
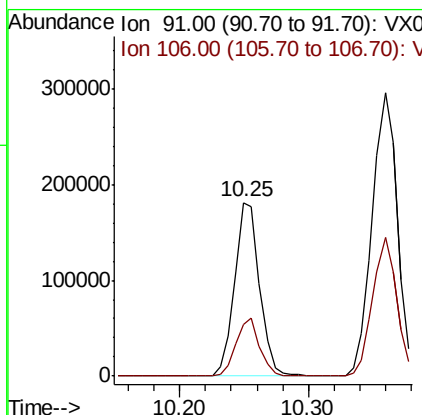
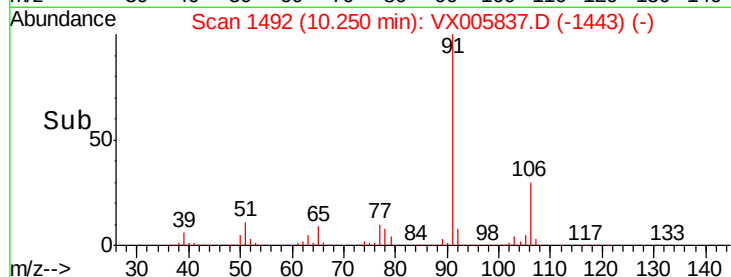
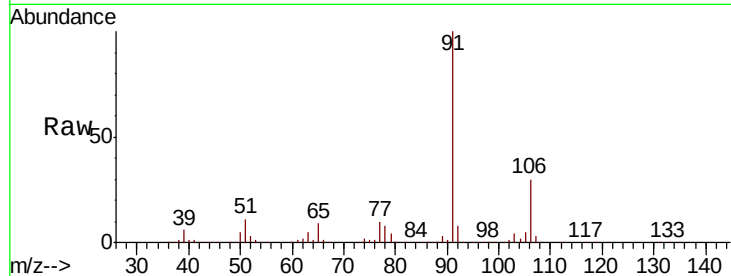
#67
Ethyl Benzene
Concen: 49.315 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 245892
Ion Ratio Lower Upper
91 100
106 29.9 24.4 36.6

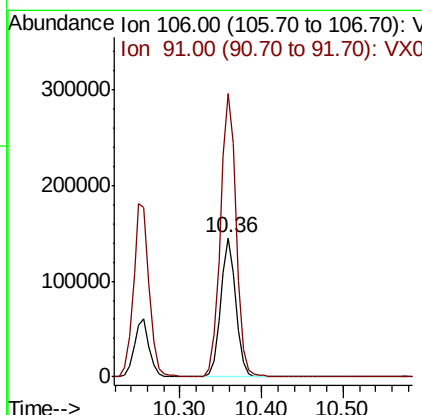
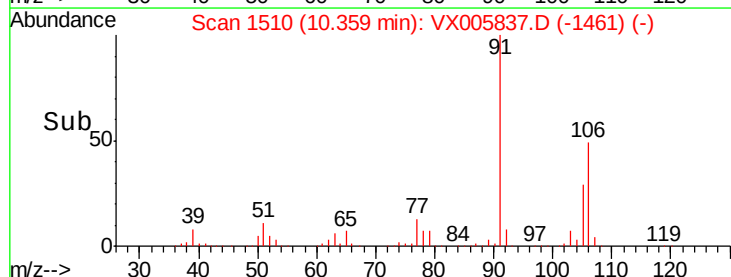
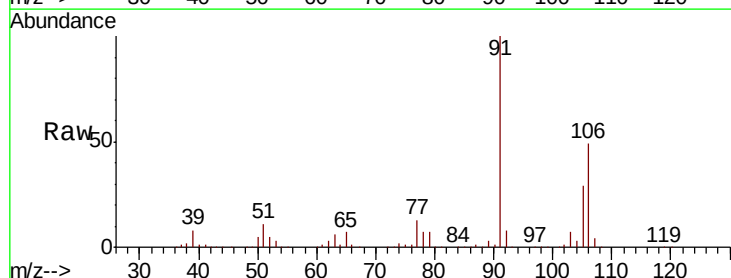
Manual Integrations
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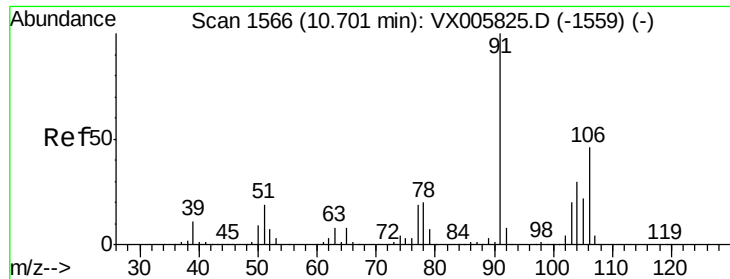
MMDadoda
11/9/2018 2:17:00 PM



#68
m/p-Xylenes
Concen: 98.883 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion: 106 Resp: 188065
Ion Ratio Lower Upper
106 100
91 212.2 164.2 246.4





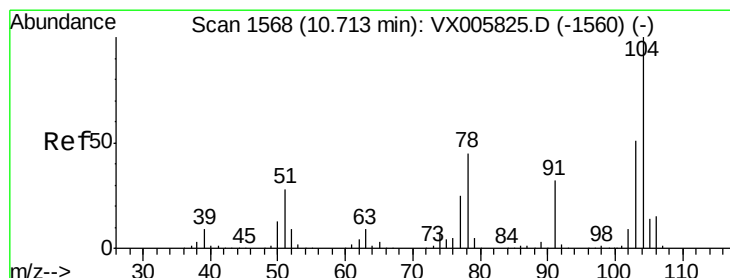
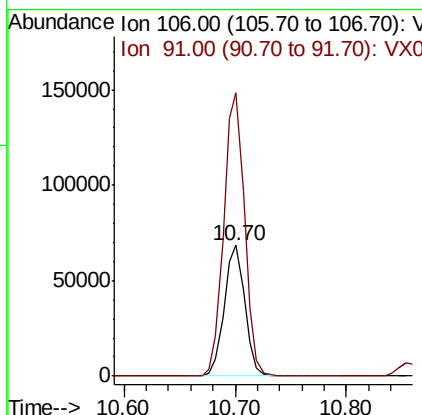
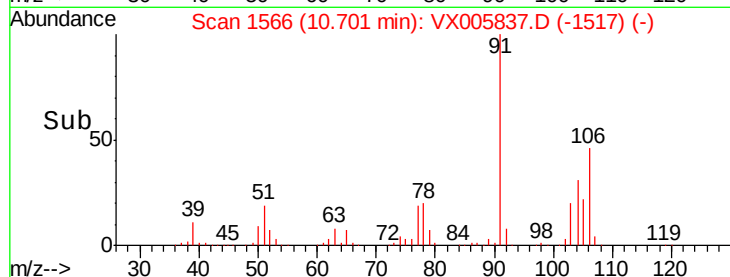
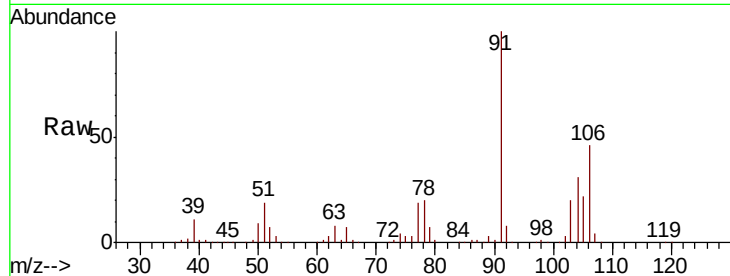
#69
o-Xylene
Concen: 51.053 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 87068
Ion Ratio Lower Upper
106 100
91 219.9 108.5 325.5

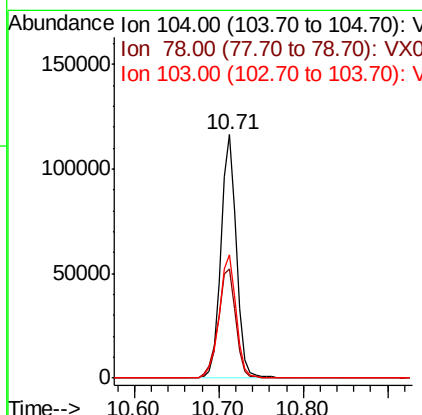
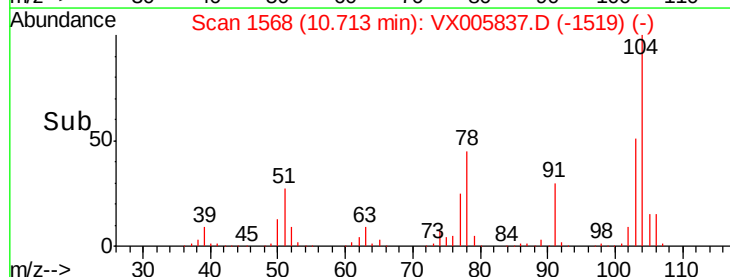
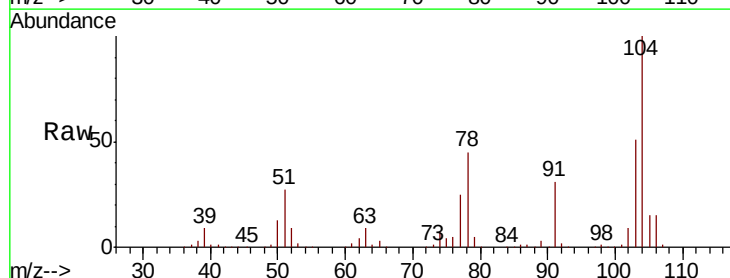
Manual Integrations
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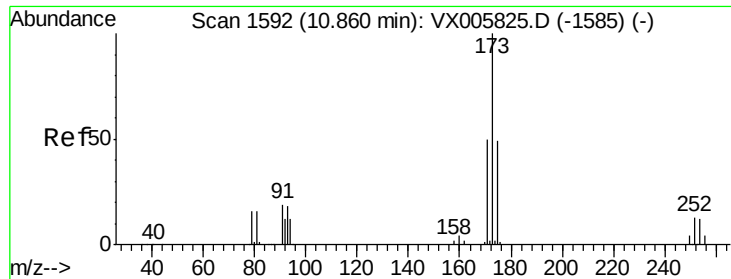
MMDadoda
11/9/2018 2:17:00 PM



#70
Styrene
Concen: 52.763 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion:104 Resp: 148441
Ion Ratio Lower Upper
104 100
78 51.2 40.2 60.4
103 55.4 44.9 67.3





#71

Bromoform

Concen: 49.913 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 45232

Ion Ratio Lower Upper

173 100

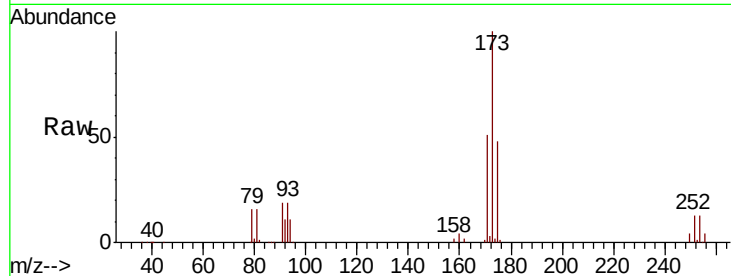
175 48.7 24.8 74.3

254 0.2 0.2 0.2#

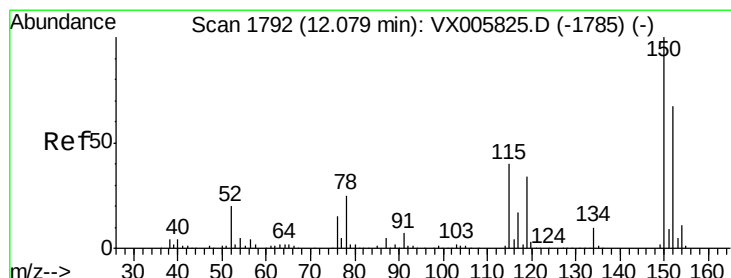
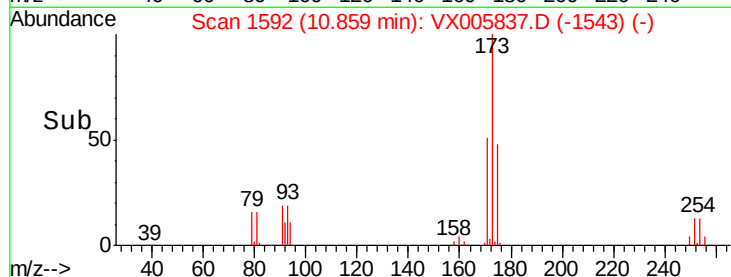
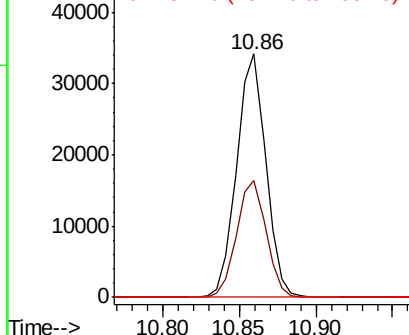
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

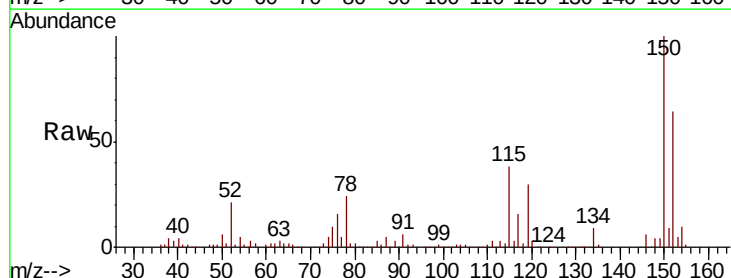
Tgt Ion:152 Resp: 75762

Ion Ratio Lower Upper

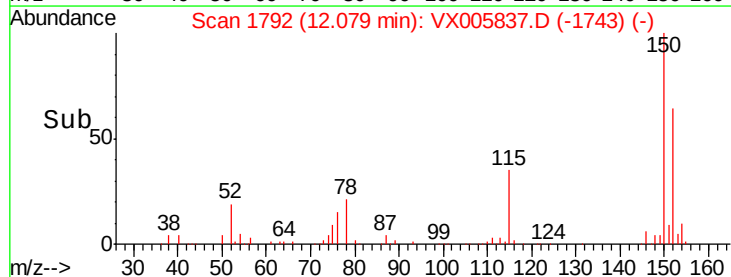
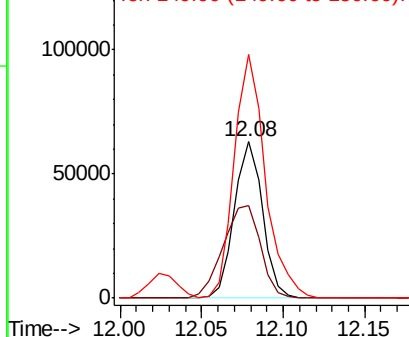
152 100

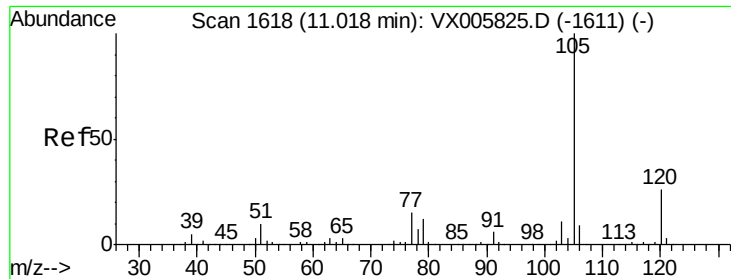
115 78.8 39.4 118.1

150 171.7 0.0 346.4



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





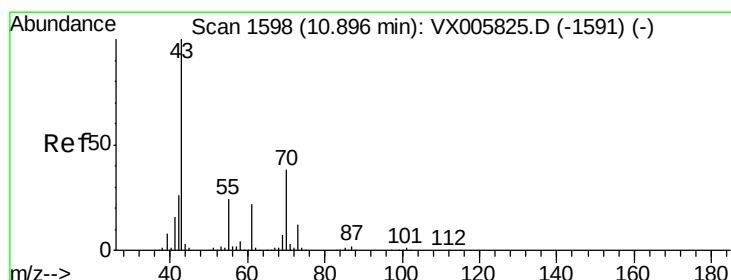
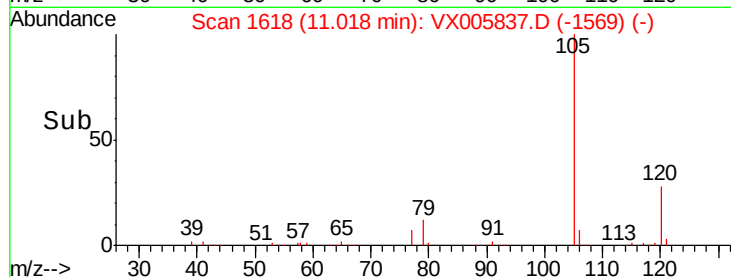
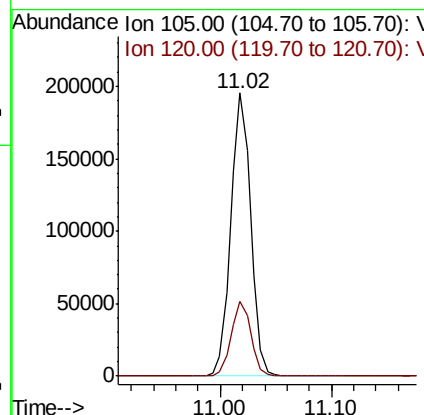
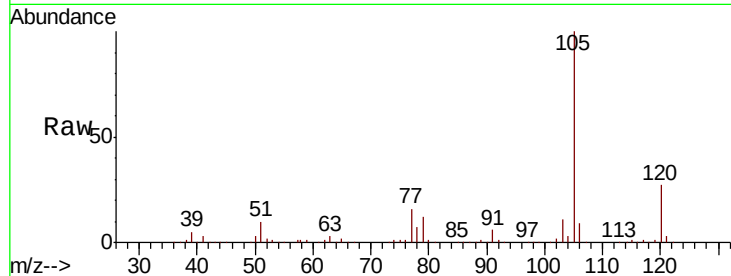
#73
Isopropylbenzene
Concen: 55.070 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

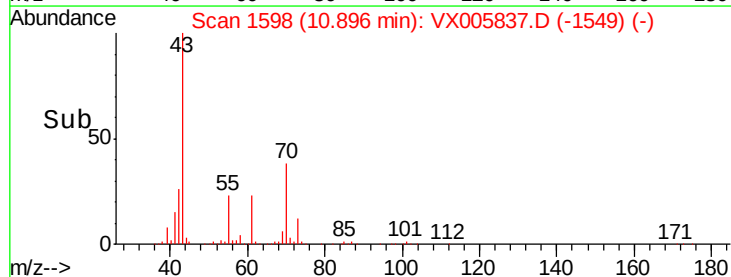
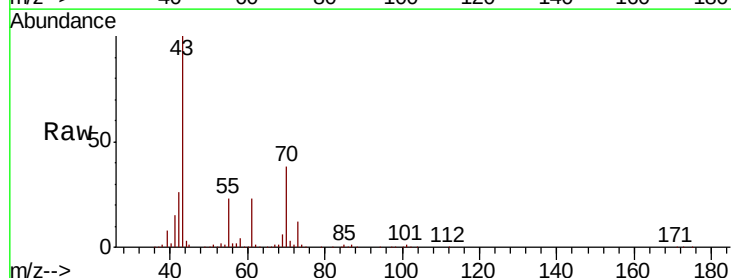
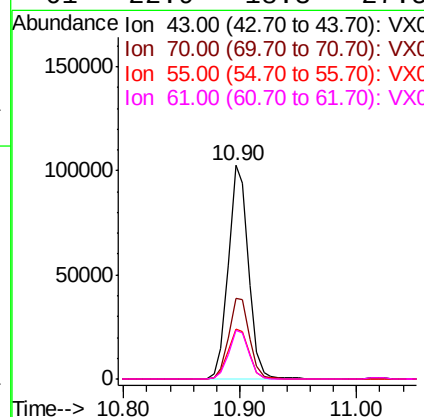
Manual Integrations
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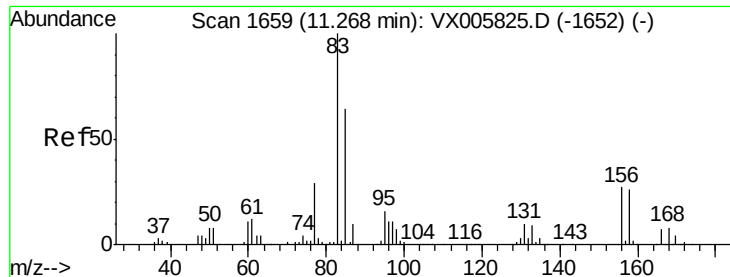
MMDadoda
11/9/2018 2:17:00 PM



#74
N-ethyl acetate
Concen: 49.691 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.2	31.6	47.4
55	24.5	19.7	29.5
61	22.9	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.641 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

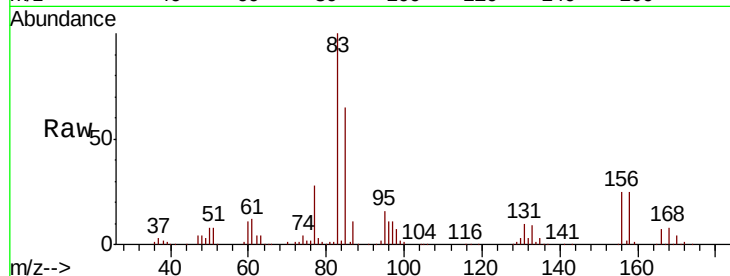
ClientSampleId :

VSTDCCC050EC

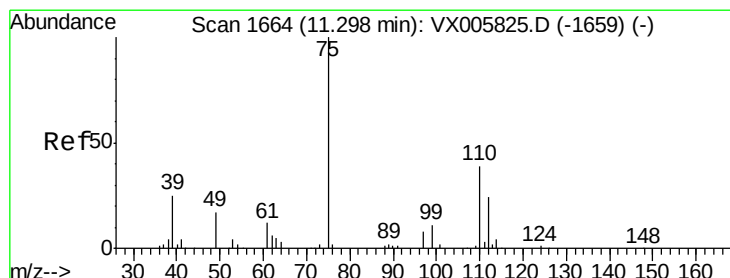
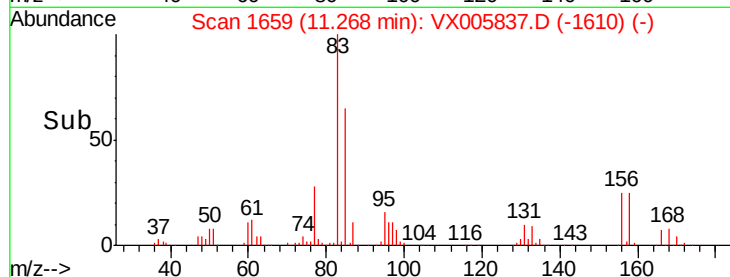
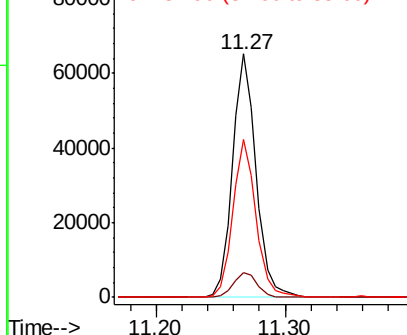
Tot Ion:	83	Resp:	83045
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.0	32.0	96.2

Manual Integrations
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11/9/2018 2:17:00 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.089 ug/l m

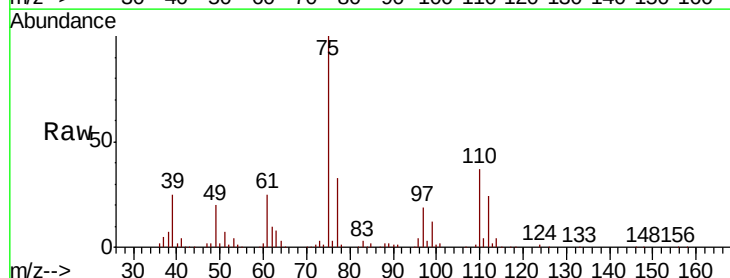
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

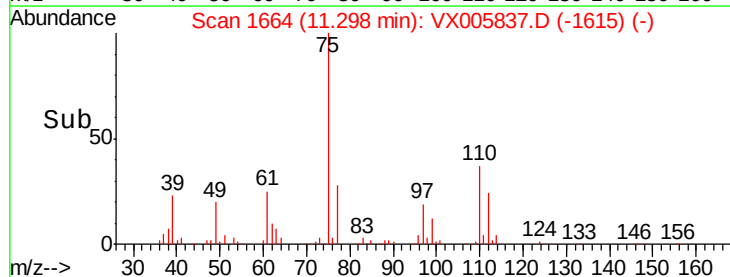
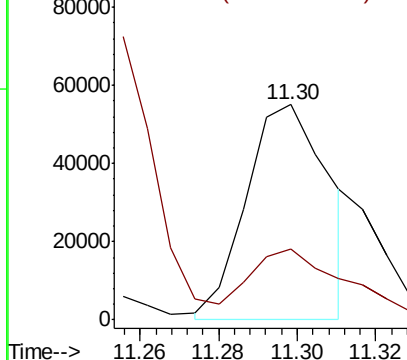
Lab File: VX005837.D

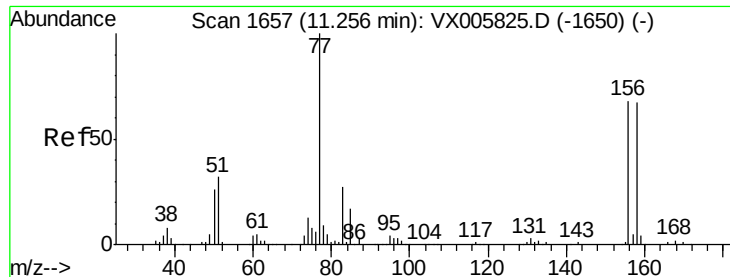
Acq: 07 Nov 2018 19:31

Tgt Ion:	75	Resp:	80357
Ion Ratio	Lower	Upper	
75	100		
77	38.5	20.5	61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.975 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 62948

Ion Ratio Lower Upper

156 100

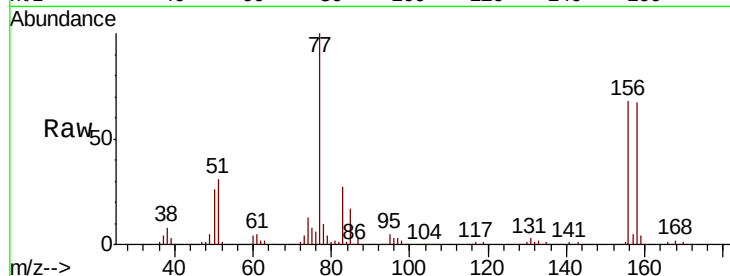
77 151.4 74.8 224.4

158 98.5 49.1 147.3

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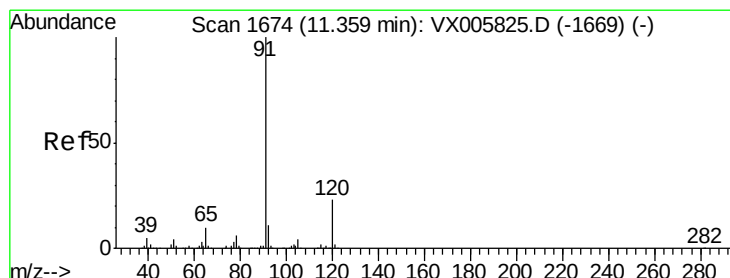
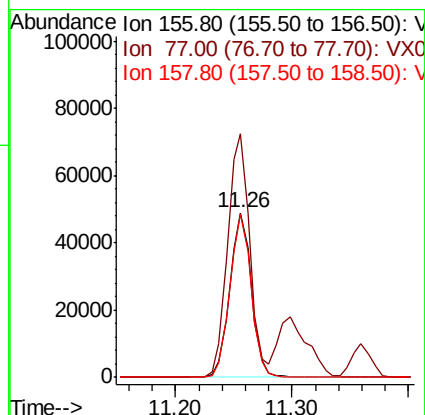
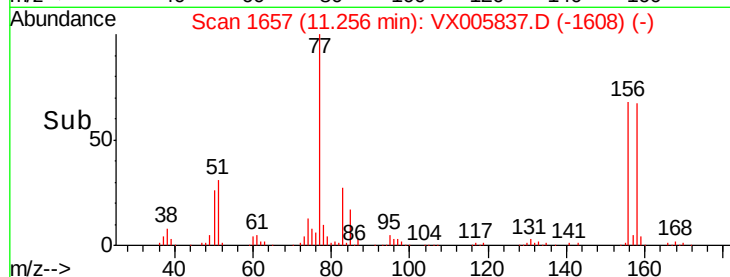
11/9/2018 2:17:00 PM



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: 54.173 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005837.D

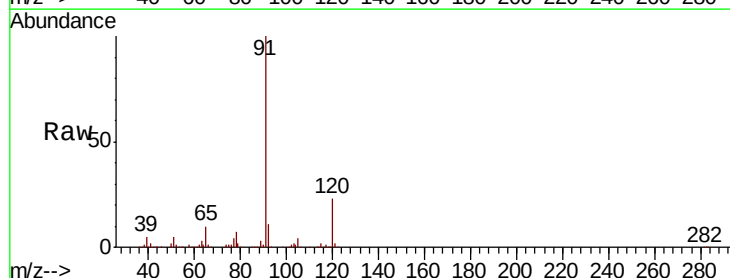
Acq: 07 Nov 2018 19:31

Tgt Ion: 91 Resp: 279718

Ion Ratio Lower Upper

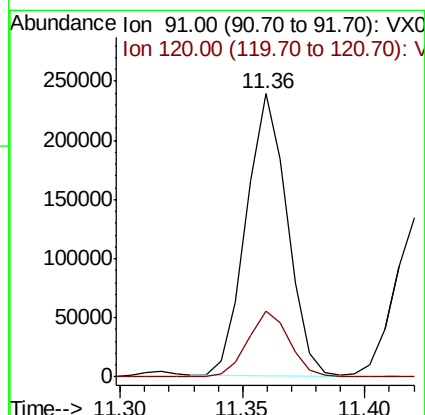
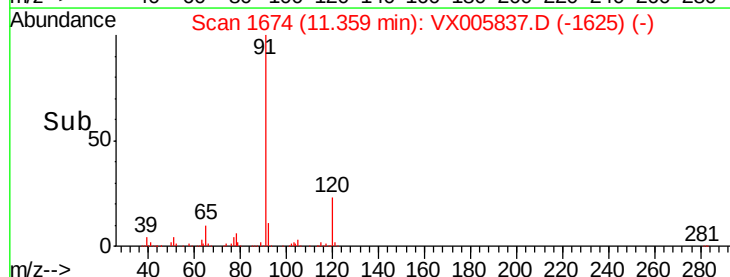
91 100

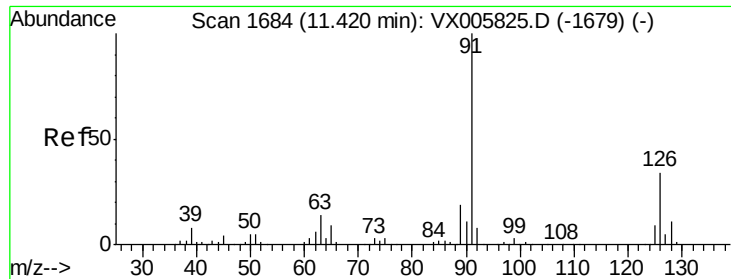
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





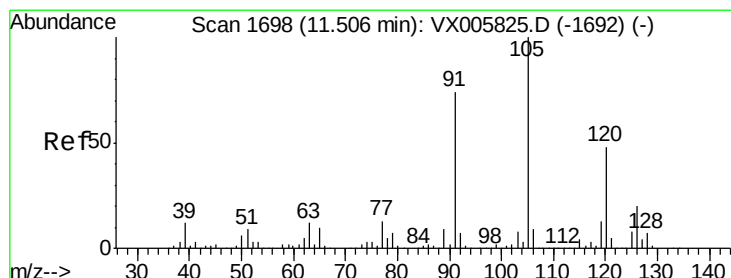
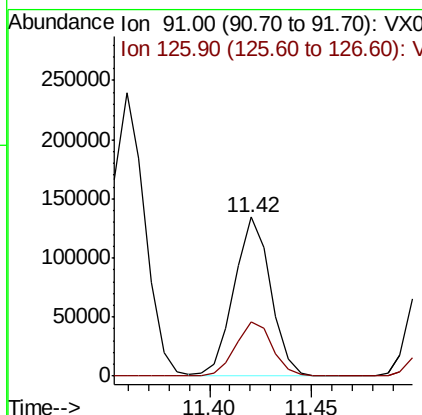
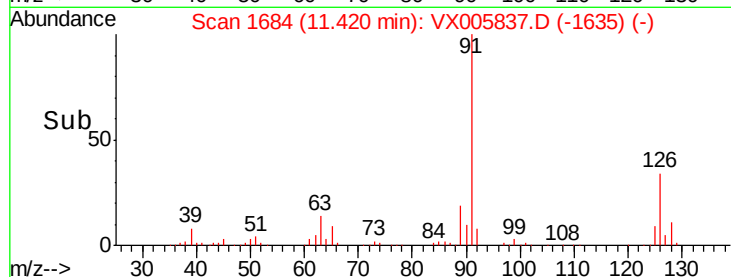
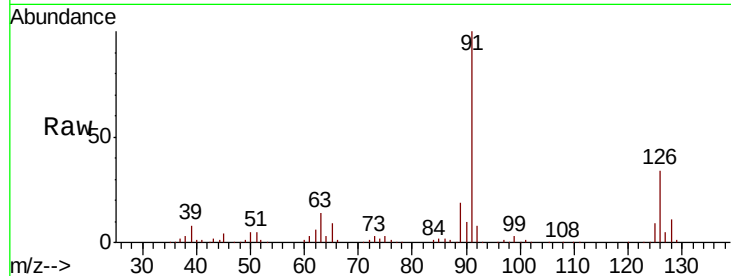
#79
 2-Chlorotoluene
 Concen: 53.054 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 91 Resp: 165580
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.3 52.0

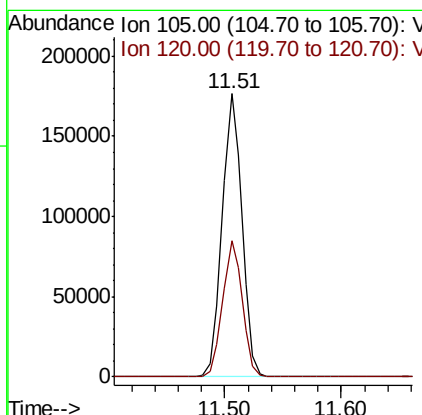
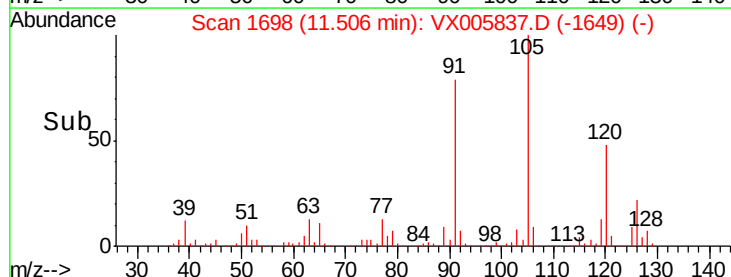
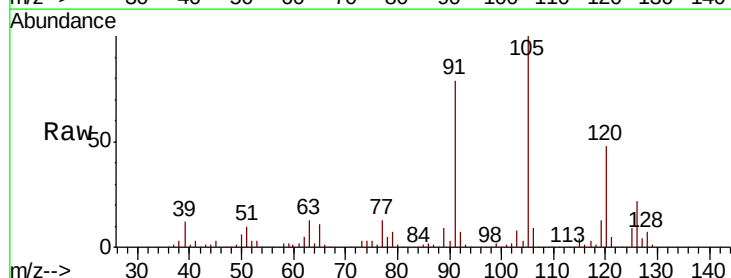
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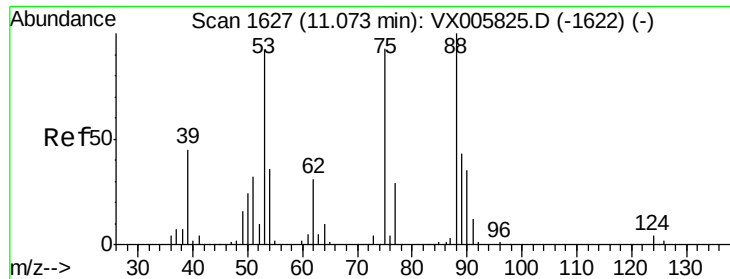
MMDadoda
 11/9/2018 2:17:00 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.634 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion: 105 Resp: 207134
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.294 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

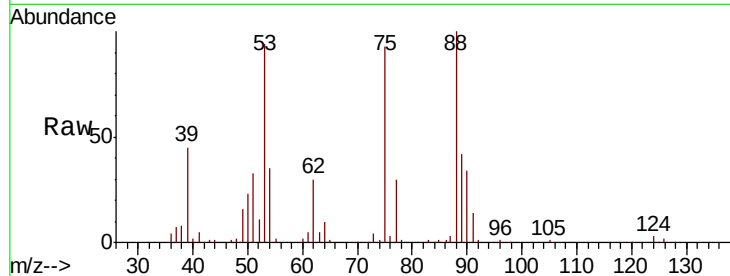
ClientSampled :

VSTDCCC050EC

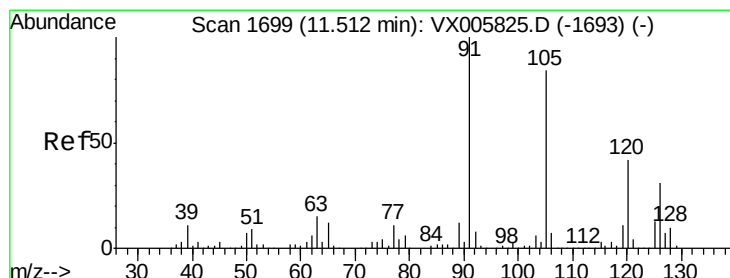
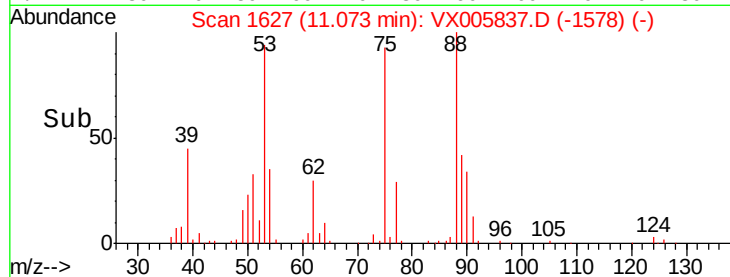
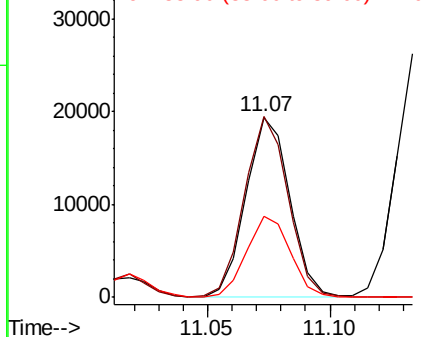
Tot Ion:	75	Resp:	24344
Ion	Ratio	Lower	Upper
75	100		
53	99.5	80.2	120.2
89	45.3	39.8	59.8

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11/9/2018 2:17:00 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 53.733 ug/l

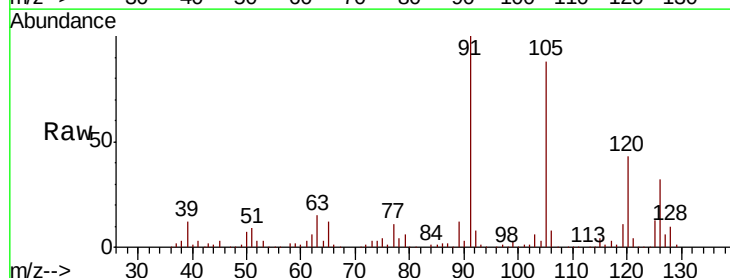
RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

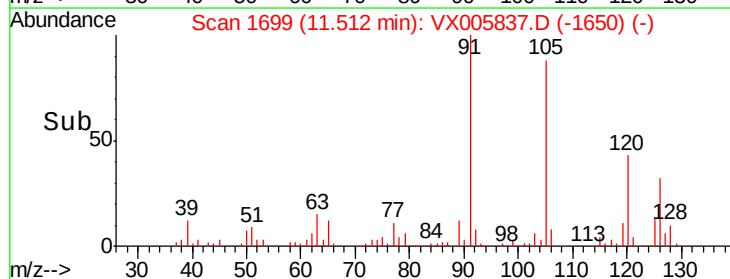
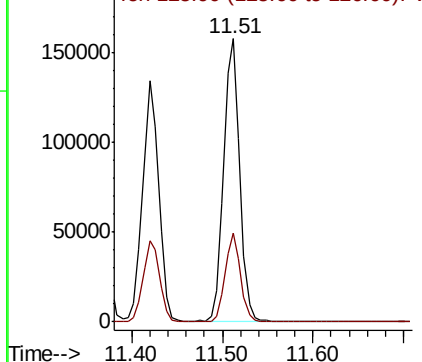
Lab File: VX005837.D

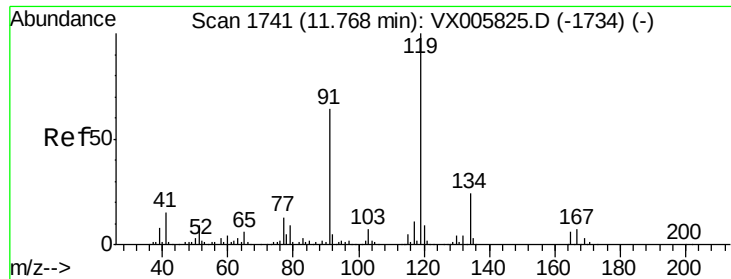
Acq: 07 Nov 2018 19:31

Tgt Ion:	91	Resp:	197637
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.2	45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





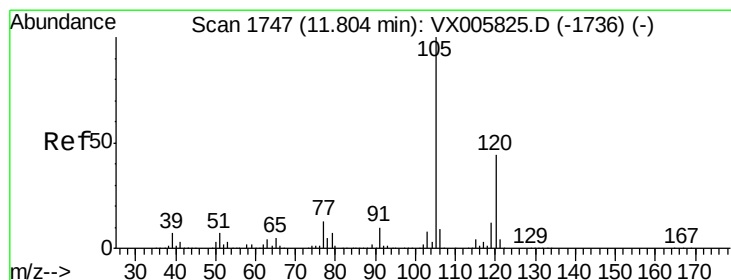
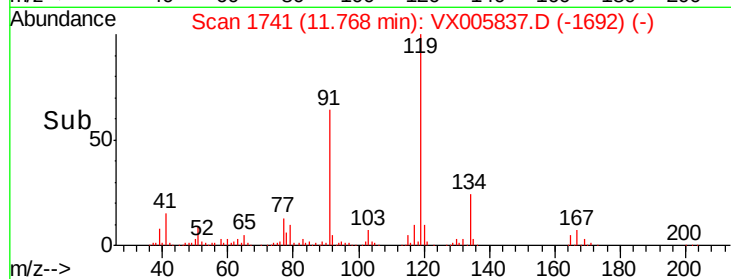
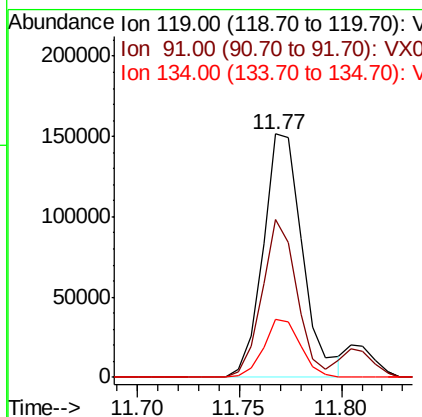
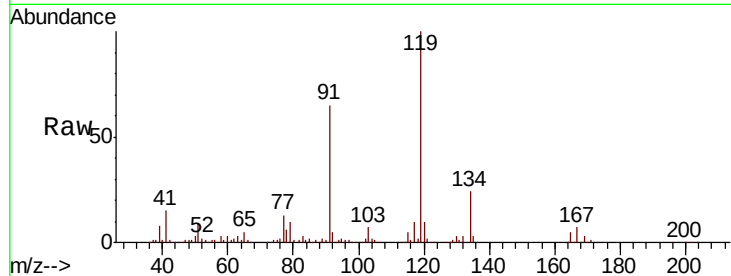
#83
 tert-Butylbenzene
 Concen: 54.110 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	203812		
91	57.3	28.5	85.5	
134	22.4	11.3	33.8	

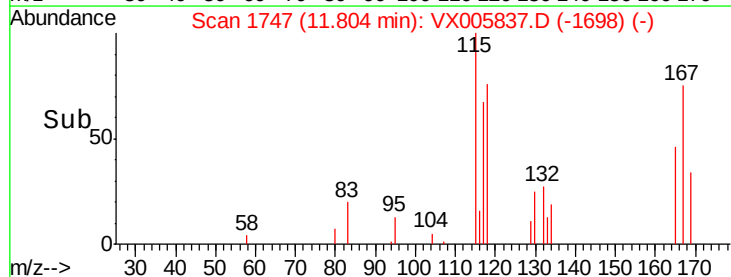
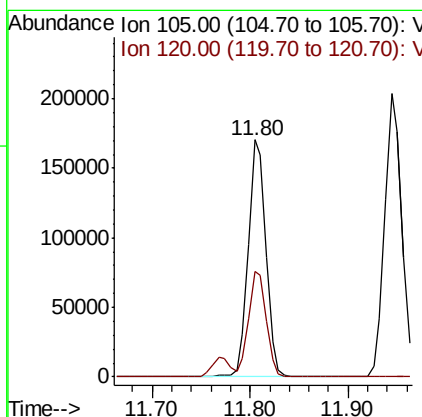
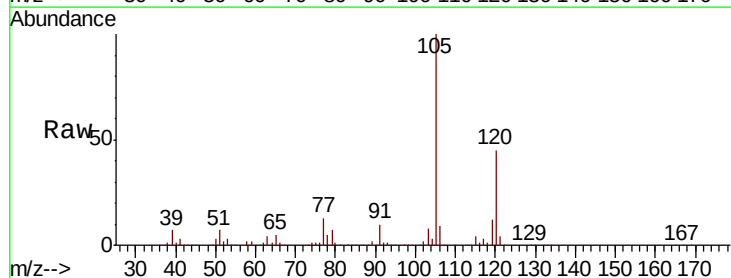
Manual Integrations
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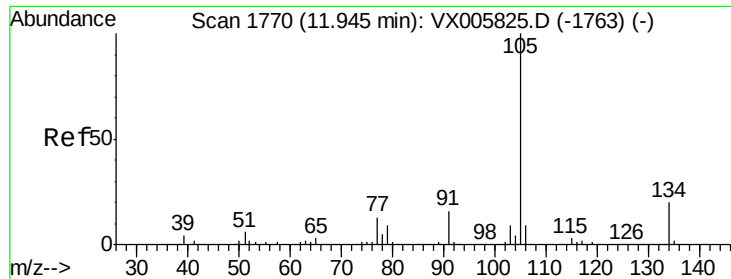
MMDadoda
 11/9/2018 2:17:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.970 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	213514		
120	44.4	22.4	67.0	





#85

sec-Butylbenzene

Concen: 53.418 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 246044

Ion Ratio Lower Upper

105 100

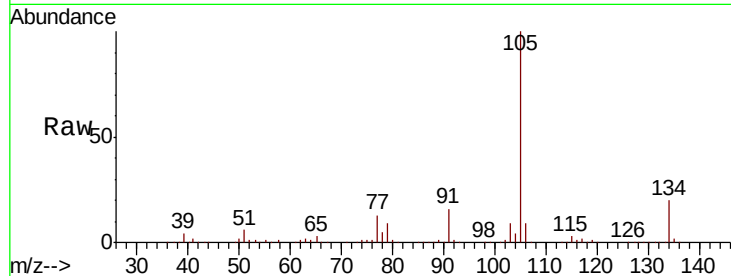
134 20.2 10.2 30.4

Manual Integrations

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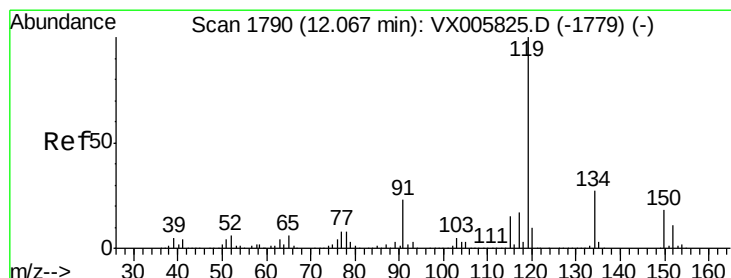
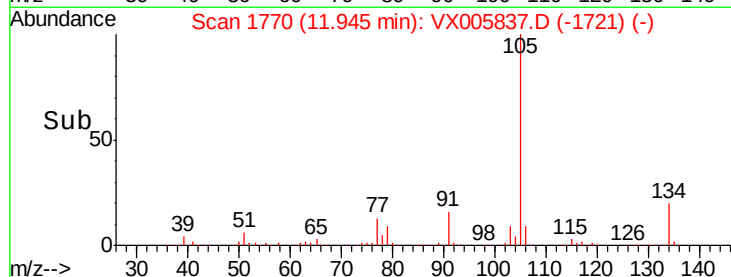
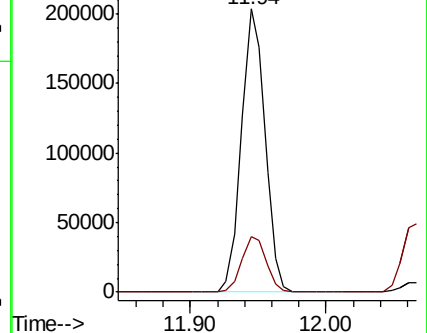
MMDadoda

11/9/2018 2:17:00 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.671 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

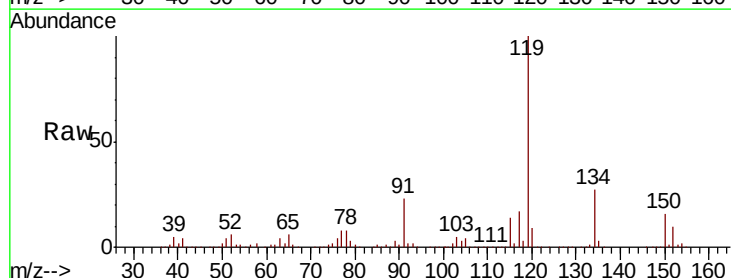
Tgt Ion:119 Resp: 223051

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

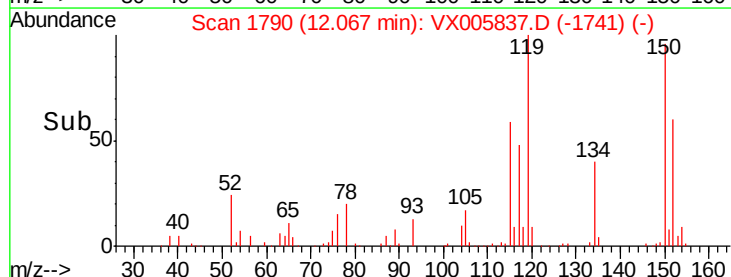
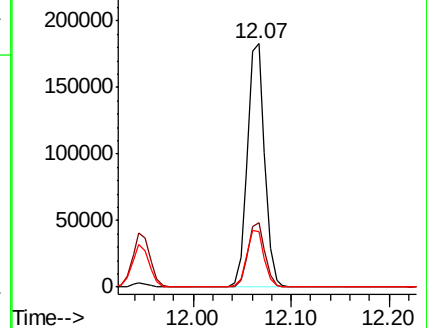
91 23.4 11.4 34.2

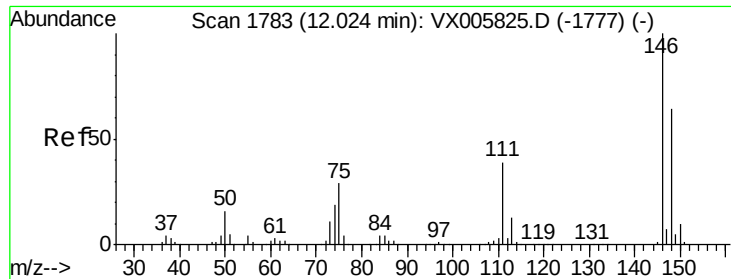


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





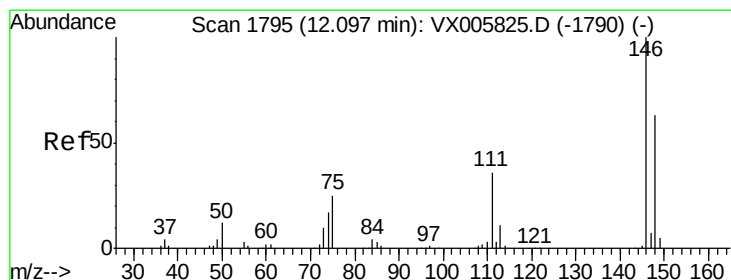
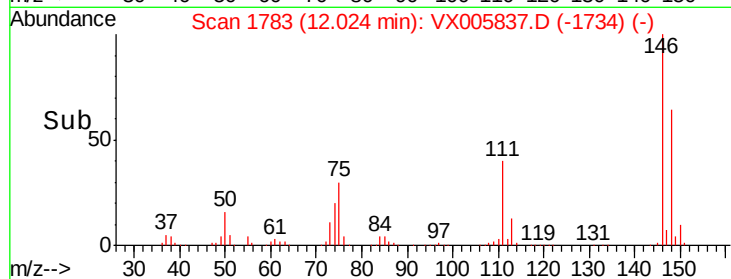
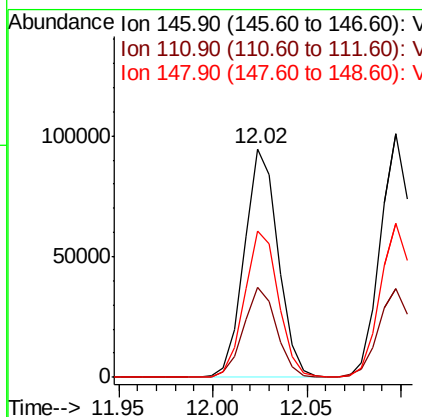
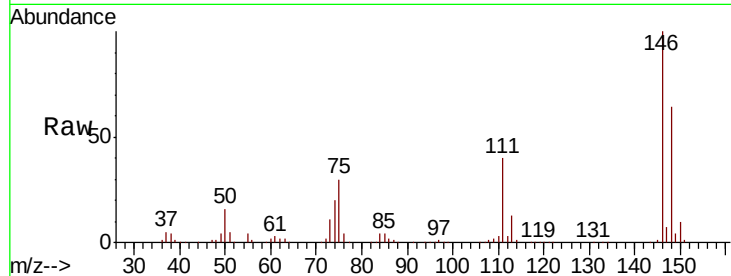
#87
 1,3-Dichlorobenzene
 Concen: 49.630 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.0	57.0
148	64.4	31.9	95.9

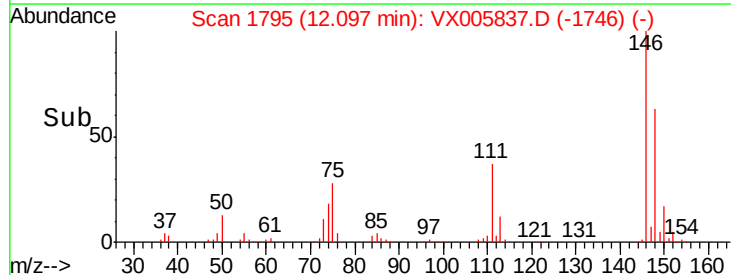
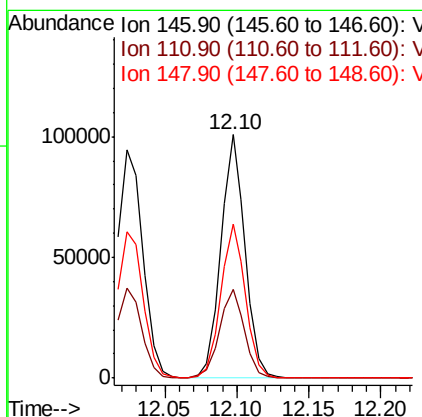
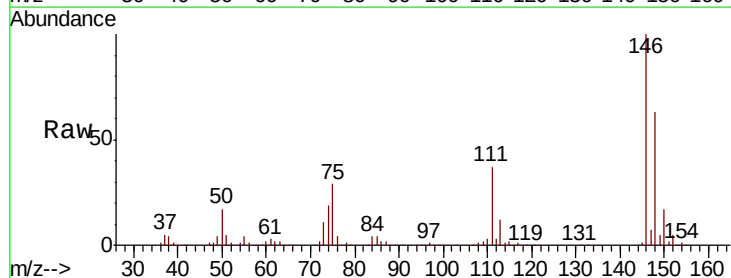
Manual Integrations
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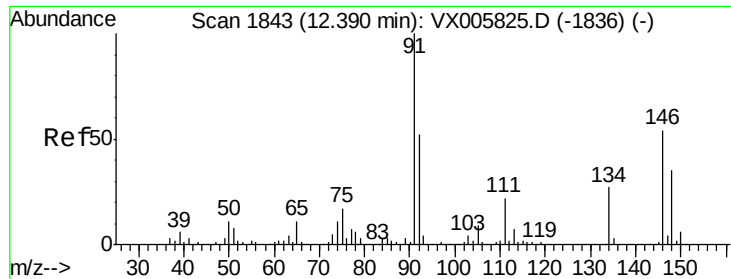
MMDadoda
 11/9/2018 2:17:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.981 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	64.5	32.1	96.3





#89

n-Butylbenzene

Concen: 52.339 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005837.D

Acq: 07 Nov 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 197908

Ion Ratio Lower Upper

91 100

92 52.3 26.1 78.2

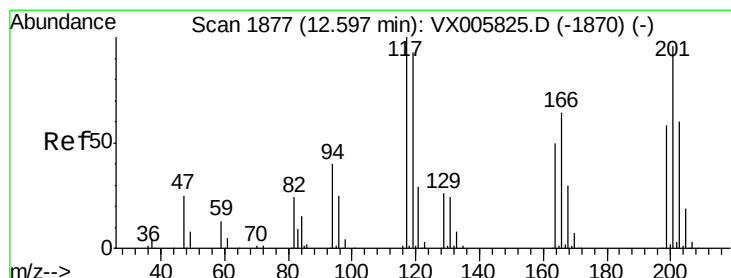
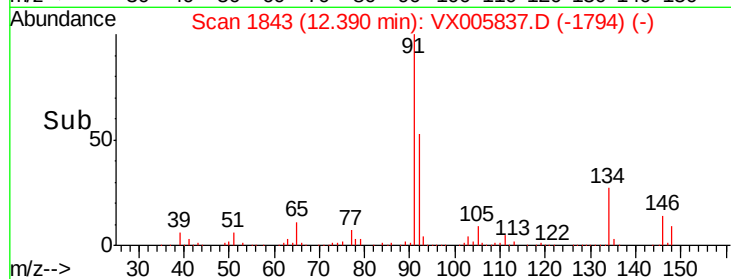
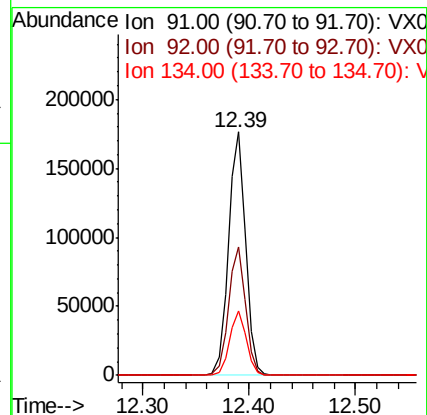
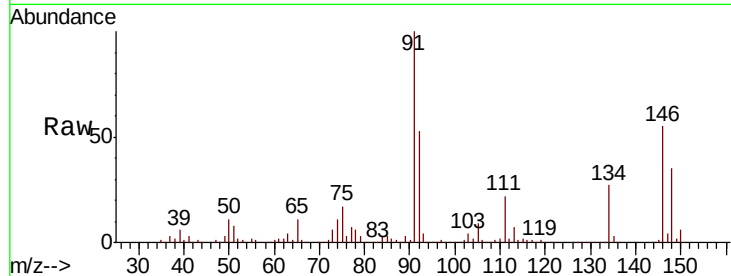
134 26.1 13.1 39.3

Manual Integrations

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11/9/2018 2:17:00 PM



#90

Hexachloroethane

Concen: 54.808 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX005837.D

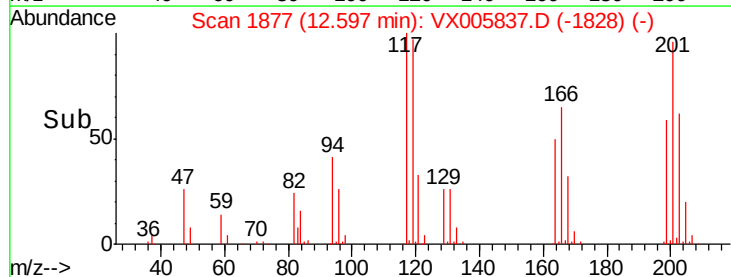
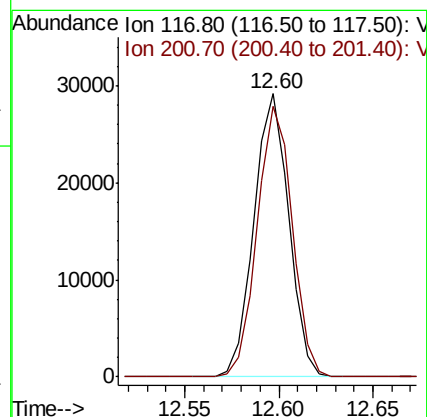
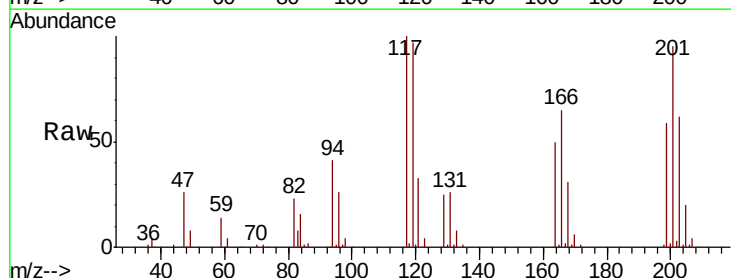
Acq: 07 Nov 2018 19:31

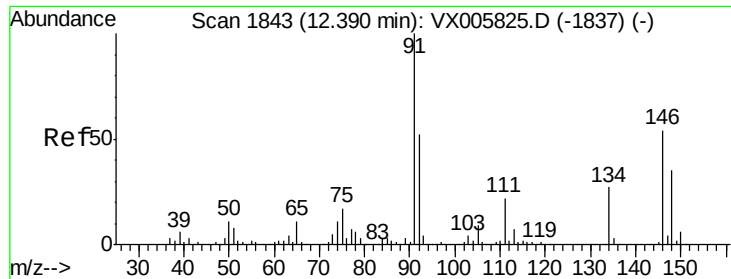
Tgt Ion: 117 Resp: 37333

Ion Ratio Lower Upper

117 100

201 96.3 47.9 143.6





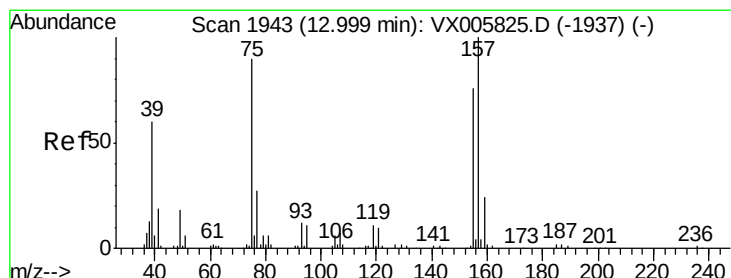
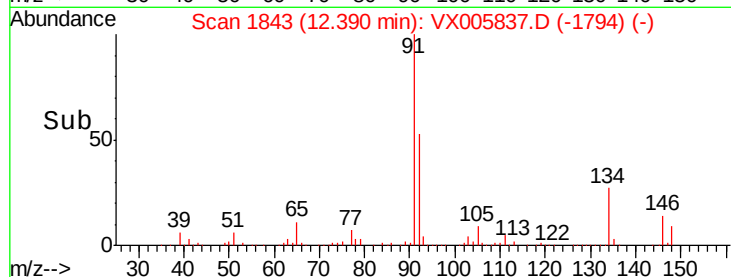
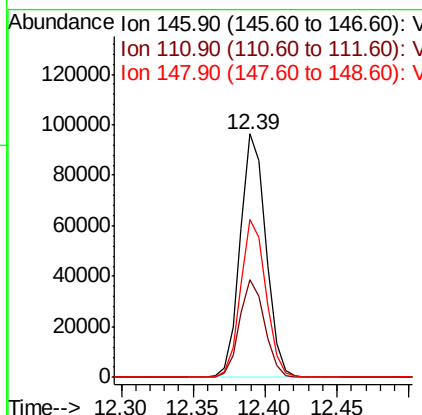
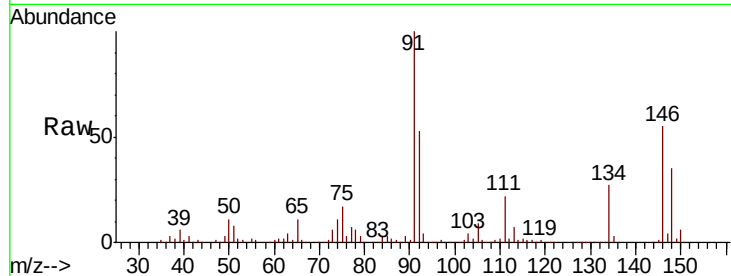
#91
 1,2-Dichlorobenzene
 Concen: 50.299 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	59.9
148	64.1	32.2	96.6

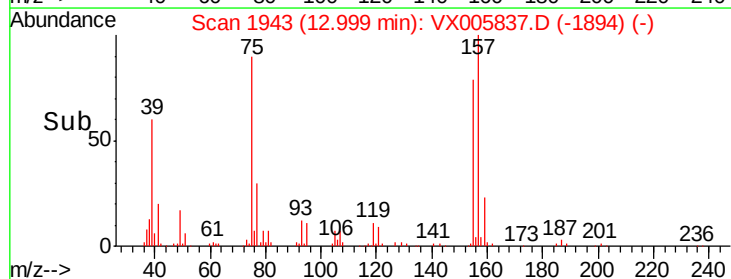
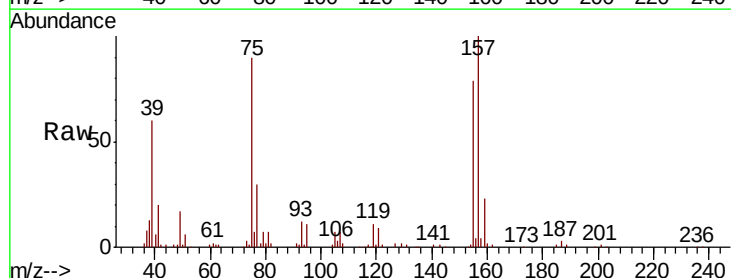
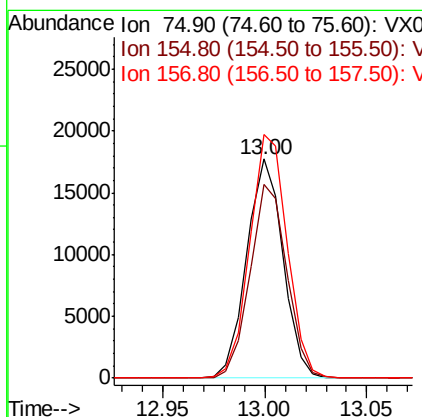
Manual Integrations
 APPROVED

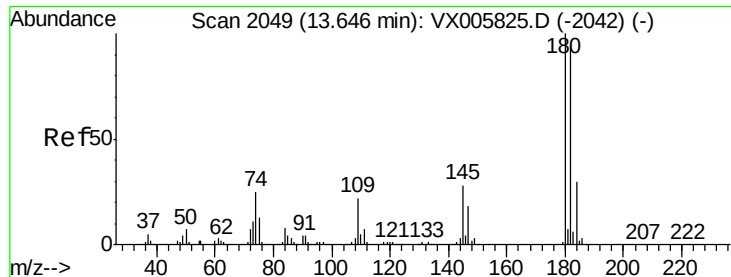
MMDadoda
 11/9/2018 2:17:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.955 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	45.4	136.1
157	114.4	57.4	172.0





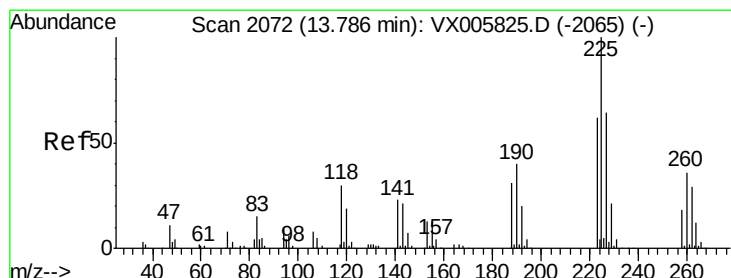
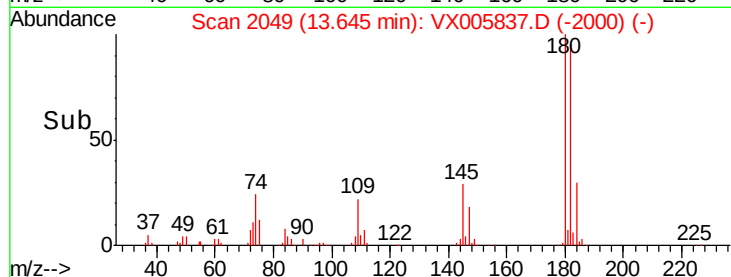
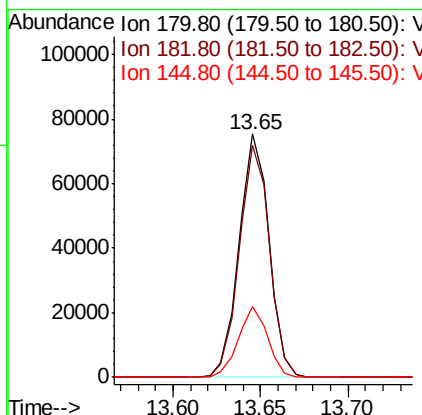
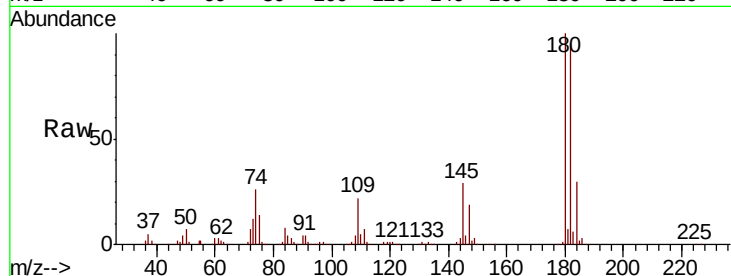
#93
 1,2,4-Trichlorobenzene
 Concen: 53.644 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.8
145	28.4	14.1	42.2

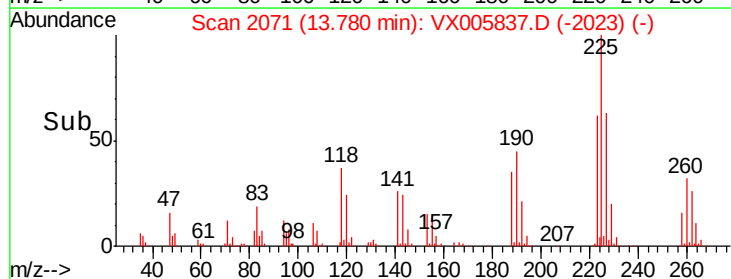
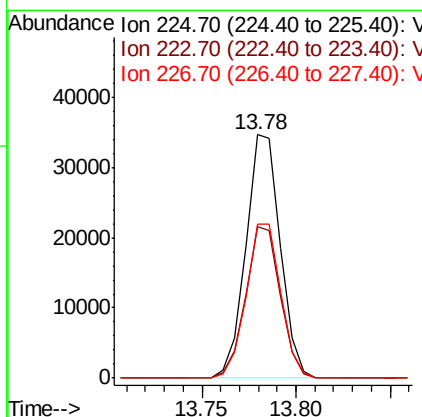
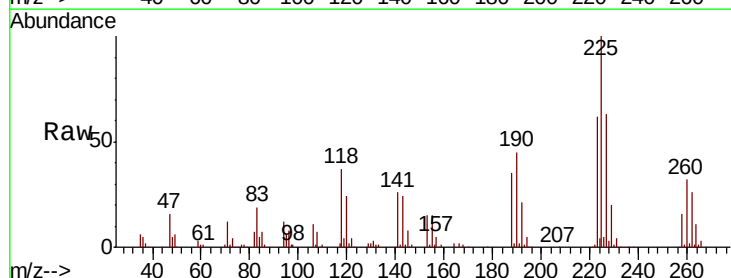
Manual Integrations
 APPROVED

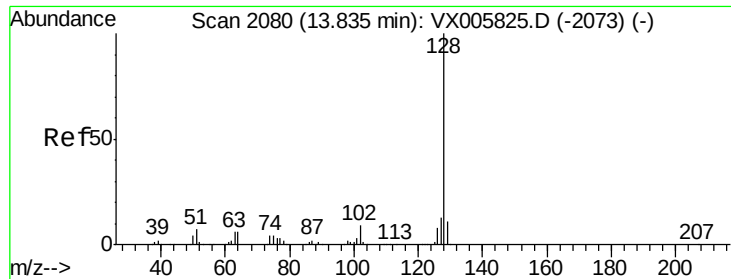
MMDadoda
 11/9/2018 2:17:00 PM



#94
 Hexachlorobutadiene
 Concen: 50.045 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005837.D
 Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.7	95.1
227	63.8	32.3	96.9





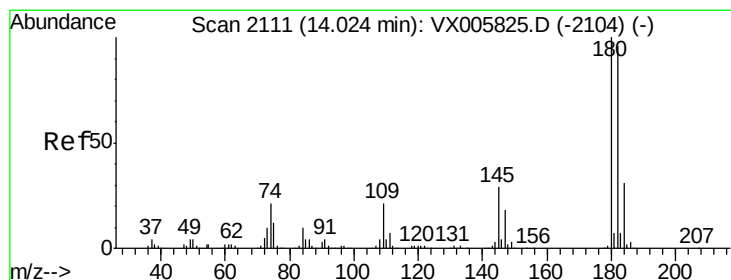
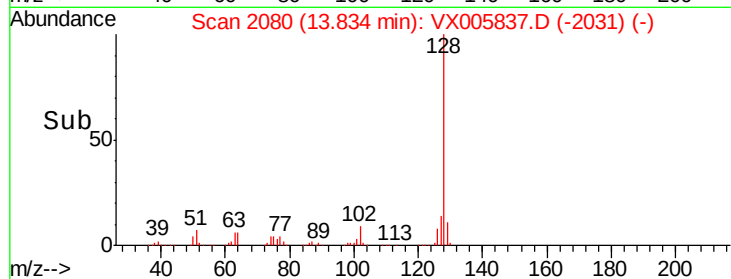
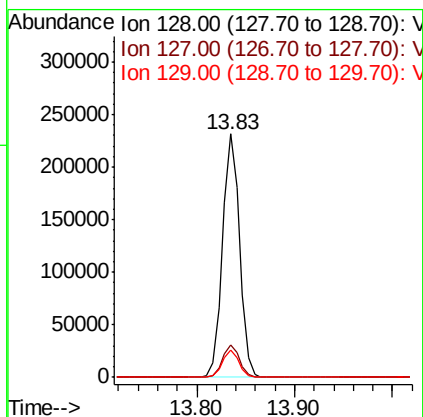
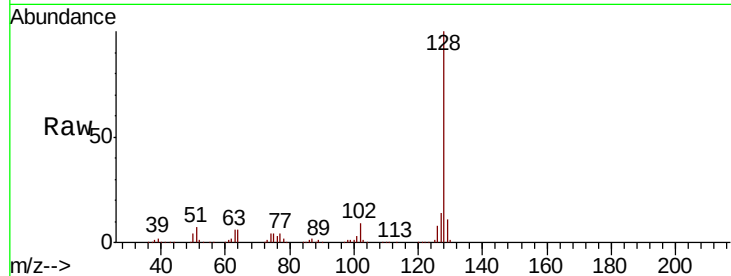
#95
Naphthalene
Concen: 51.133 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/9/2018 2:17:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.428 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005837.D
Acq: 07 Nov 2018 19:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	30.6	15.1	45.3

