

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071818\
 Data File : VX003439.D
 Acq On : 18 Jul 2018 11:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 1:04:11 PM

Quant Time: Jul 18 14:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	393313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	516098	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	488462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	316886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	209321	40.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.28%	
35) Dibromofluoromethane	5.51	113	189847	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	
50) Toluene-d8	8.72	98	695530	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
62) 4-Bromofluorobenzene	11.14	95	257926	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	228108	51.38	ug/l	96
3) Chloromethane	1.32	50	210688	43.85	ug/l	97
4) Vinyl Chloride	1.40	62	233512	44.60	ug/l	100
5) Bromomethane	1.64	94	84211	46.59	ug/l	98
6) Chloroethane	1.72	64	137422	47.29	ug/l	100
7) Trichlorofluoromethane	1.93	101	324692	46.75	ug/l	93
8) Diethyl Ether	2.19	74	133277	44.85	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	203617	46.41	ug/l	99
10) Methyl Iodide	2.51	142	223558	47.63	ug/l	91
11) Tert butyl alcohol	3.07	59	225060	194.29	ug/l	99
12) 1,1-Dichloroethene	2.37	96	188184	45.39	ug/l	89
13) Acrolein	2.29	56	72879	131.16	ug/l	98
14) Allyl chloride	2.73	41	340359	45.26	ug/l	87
15) Acrylonitrile	3.15	53	539200	203.18	ug/l	97
16) Acetone	2.45	43	418242	195.22	ug/l #	84
17) Carbon Disulfide	2.57	76	485115	42.65	ug/l	100
18) Methyl Acetate	2.78	43	343564	49.24	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	648700	47.12	ug/l	98
20) Methylene Chloride	2.85	84	215565	56.04	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	196855	43.96	ug/l	91
22) Diisopropyl ether	3.87	45	654924	44.90	ug/l	95
23) Vinyl Acetate	3.82	43	2638840	219.34	ug/l	96
24) 1,1-Dichloroethane	3.70	63	371134	44.85	ug/l	99
25) 2-Butanone	4.71	43	664524	198.20	ug/l	97
26) 2,2-Dichloropropane	4.59	77	294890	50.77	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	217814	45.21	ug/l	96
28) Bromochloromethane	5.02	49	167395	46.59	ug/l	90
29) Tetrahydrofuran	5.16	42	421616	198.28	ug/l	90
30) Chloroform	5.21	83	348381	45.68	ug/l	99
31) Cyclohexane	5.57	56	303774	47.53	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	302092	46.58	ug/l	97
36) 1,1-Dichloropropene	5.80	75	262556	50.24	ug/l	99
37) Ethyl Acetate	4.86	43	254092	43.14	ug/l	95
38) Carbon Tetrachloride	5.79	117	266568	50.12	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	296456	49.55	ug/l	96
40) Benzene	6.15	78	762972	47.98	ug/l	100
41) Methacrylonitrile	5.06	41	149597	46.19	ug/l	92
42) 1,2-Dichloroethane	6.20	62	251477	46.12	ug/l	95
43) Isopropyl Acetate	6.46	43	399731	44.97	ug/l	94
44) Trichloroethene	7.21	130	223944	48.62	ug/l	99
45) 1,2-Dichloropropane	7.52	63	196294	47.46	ug/l	100
46) Dibromomethane	7.66	93	127540	46.31	ug/l	97
47) Bromodichloromethane	7.90	83	245090	48.59	ug/l	98
48) Methyl methacrylate	7.78	41	211628	46.67	ug/l	87
49) 1,4-Dioxane	7.76	88	86301	831.20	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1311036	224.07	ug/l	93
52) Toluene	8.79	92	478837	48.10	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	304491	51.13	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	276920	50.95	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	196814	47.32	ug/l	98
56) Ethyl methacrylate	9.18	69	287633	48.84	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	320400	47.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	626391	212.10	ug/l	98
59) 2-Hexanone	9.50	43	987489	219.66	ug/l	90
60) Dibromochloromethane	9.59	129	205021	49.61	ug/l	99
61) 1,2-Dibromoethane	9.68	107	202665	47.27	ug/l	100
64) Tetrachloroethene	9.34	164	251771	49.27	ug/l	97
65) Chlorobenzene	10.14	112	551651	47.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	201227	49.06	ug/l	99
67) Ethyl Benzene	10.26	91	935673	49.61	ug/l	99
68) m/p-Xylenes	10.36	106	731123	100.22	ug/l	97
69) o-Xylene	10.70	106	352777	50.35	ug/l	96
70) Styrene	10.71	104	583789	50.62	ug/l	97
71) Bromoform	10.86	173	158994	48.19	ug/l	99
73) Isopropylbenzene	11.02	105	953932	47.01	ug/l	100
74) N-amyl acetate	6.46	43	399731	40.97	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	280618	41.90	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	252197m	43.96	ug/l	
77) Bromobenzene	11.26	156	258801	44.91	ug/l	98
78) n-propylbenzene	11.37	91	1097420	48.41	ug/l	99
79) 2-Chlorotoluene	11.43	91	639822	46.04	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	799418	48.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	84499	47.85	ug/l	89
82) 4-Chlorotoluene	11.51	91	758749	46.79	ug/l	98
83) tert-Butylbenzene	11.77	119	772179	47.67	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	813645	47.79	ug/l	98
85) sec-Butylbenzene	11.95	105	952658	48.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	902072	51.57	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	494111	46.85	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	503387	47.00	ug/l	99
89) n-Butylbenzene	12.39	91	760294	51.02	ug/l	99
90) Hexachloroethane	12.60	117	124510	46.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	486238	45.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	58928	42.29	ug/l	91

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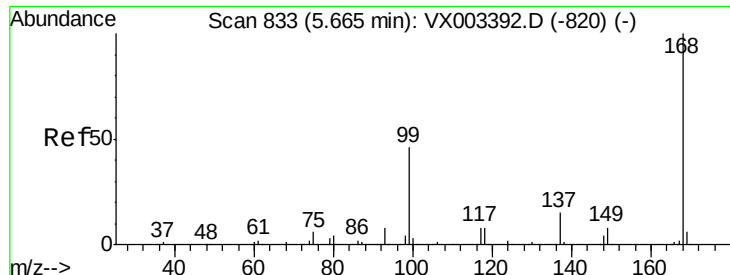
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	376098	51.88	ug/l	100
94) Hexachlorobutadiene	13.79	225	182279	52.24	ug/l	99
95) Naphthalene	13.84	128	1030101	49.58	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	370690	49.72	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 393313

Ion Ratio Lower Upper

168 100

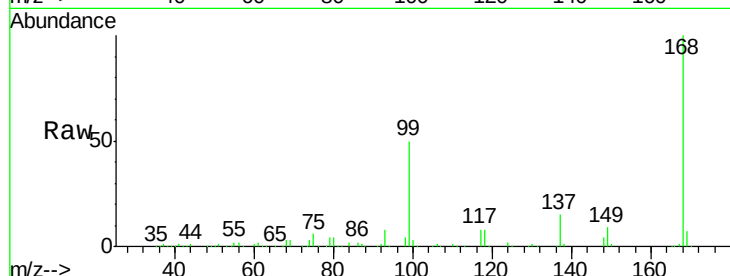
99 49.5 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

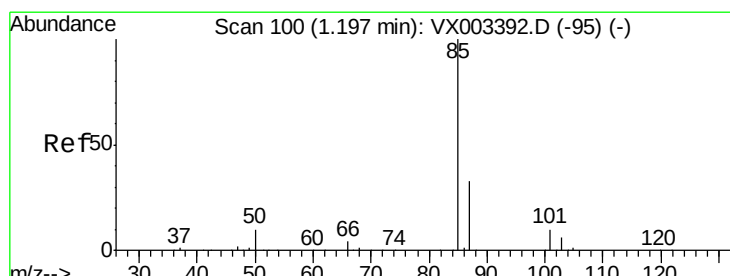
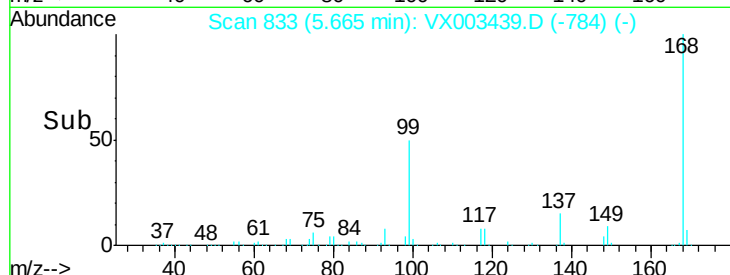
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.38 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003439.D

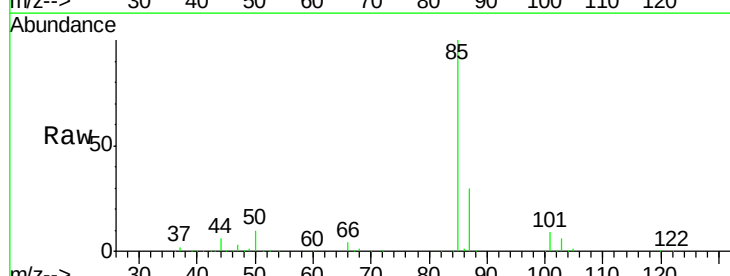
Acq: 18 Jul 2018 11:05

Tgt Ion: 85 Resp: 228108

Ion Ratio Lower Upper

85 100

87 29.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

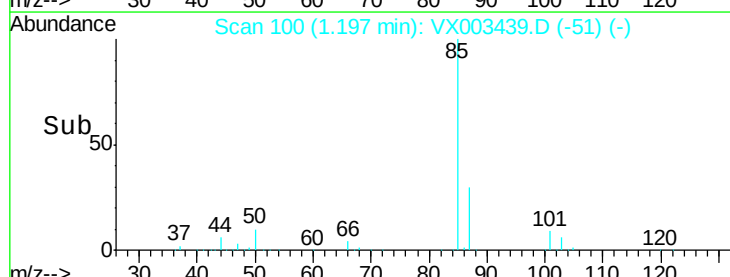
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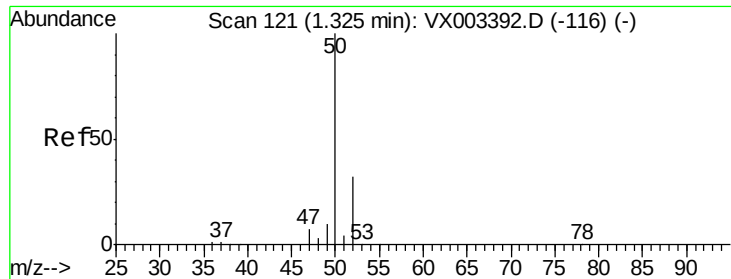
100000

50000

0

Time-->





#3

Chloromethane

Concen: 43.85 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 210688

Ion Ratio Lower Upper

50 100

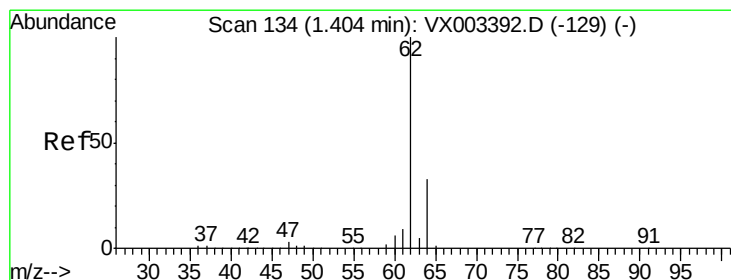
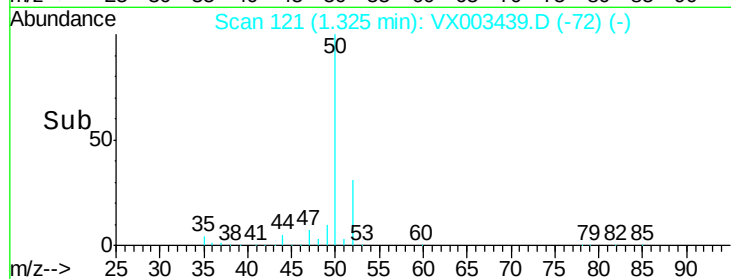
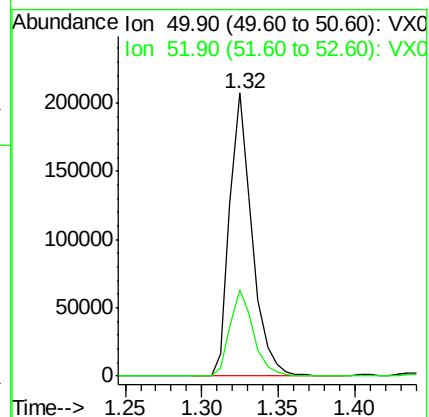
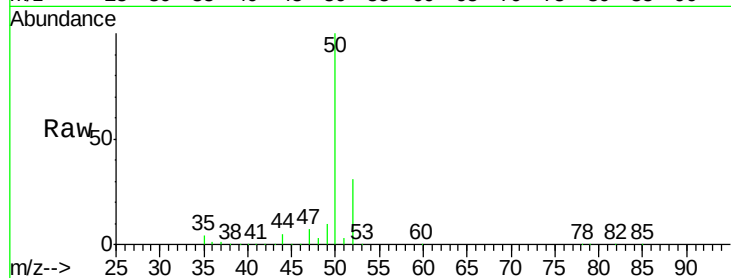
52 30.6 25.7 38.5

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#4

Vinyl Chloride

Concen: 44.60 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003439.D

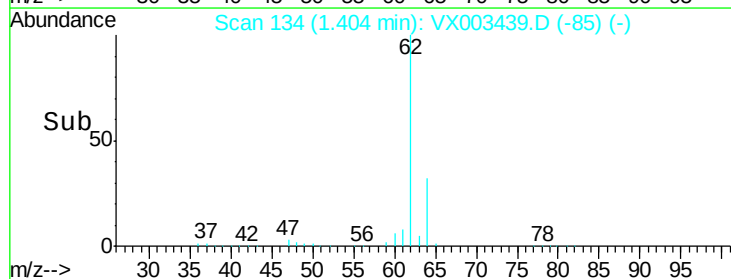
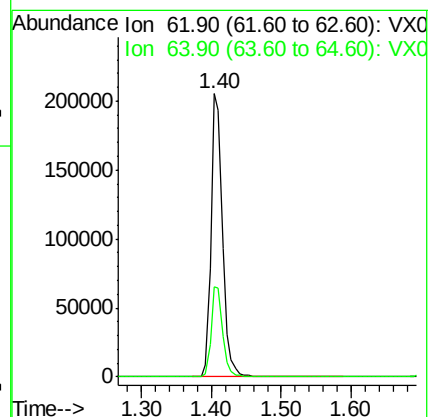
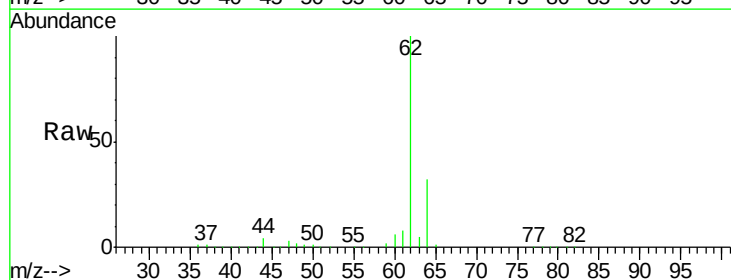
Acq: 18 Jul 2018 11:05

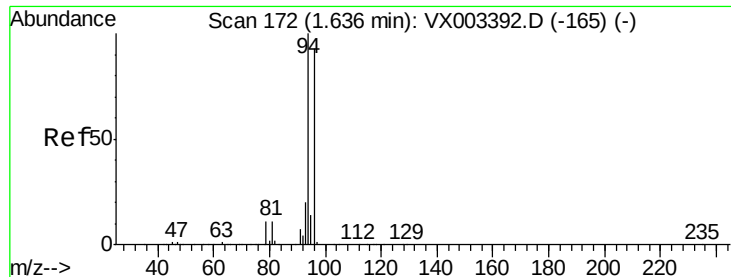
Tgt Ion: 62 Resp: 233512

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 46.59 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84211

Ion Ratio Lower Upper

94 100

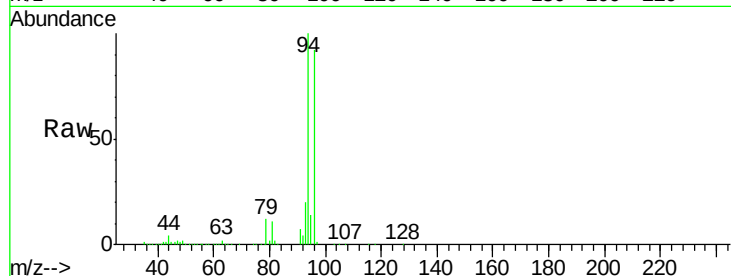
96 91.7 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

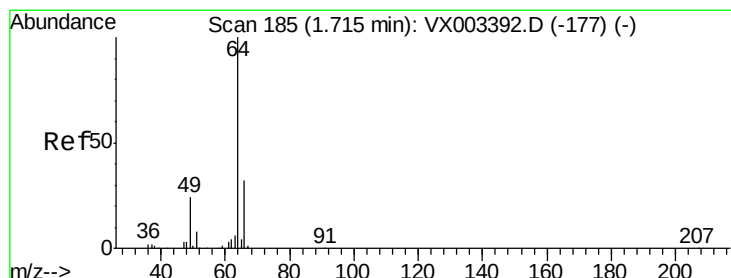
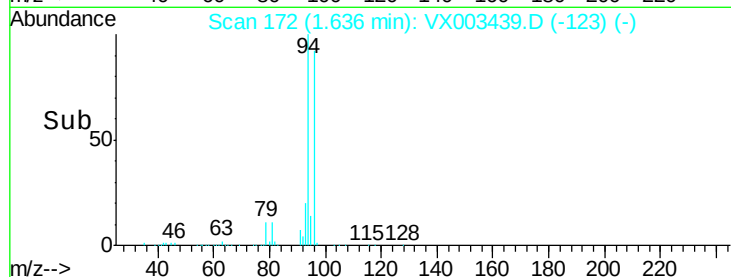
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 47.29 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003439.D

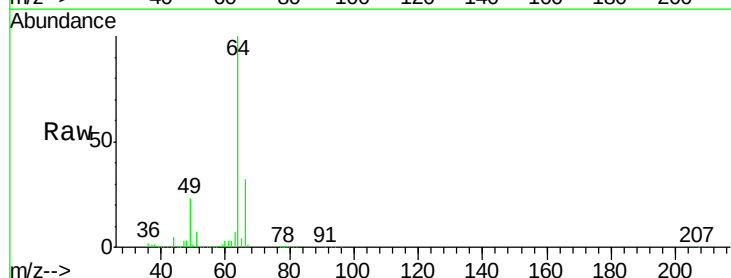
Acq: 18 Jul 2018 11:05

Tgt Ion: 64 Resp: 137422

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

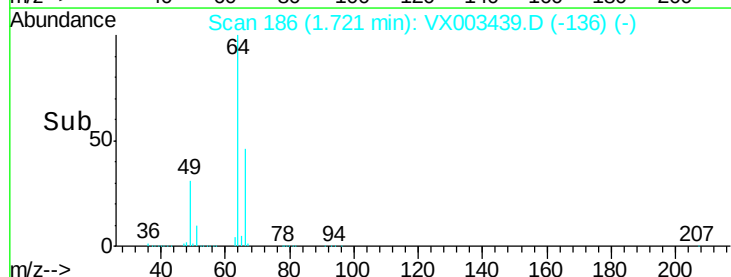
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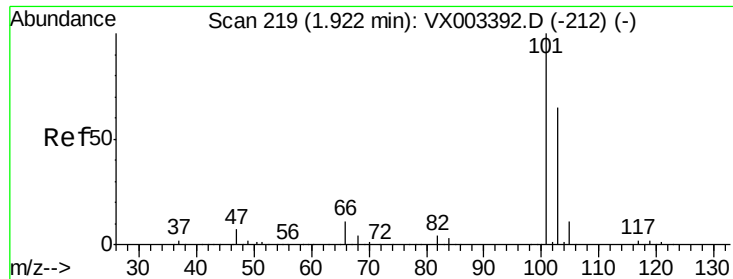
40000

20000

0

Time--> 1.60 1.70 1.80





#7

Trichlorofluoromethane

Concen: 46.75 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 324692

Ion Ratio Lower Upper

101 100

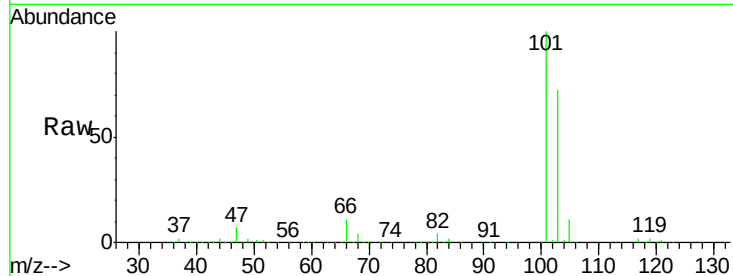
103 72.0 52.8 79.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

250000

200000

150000

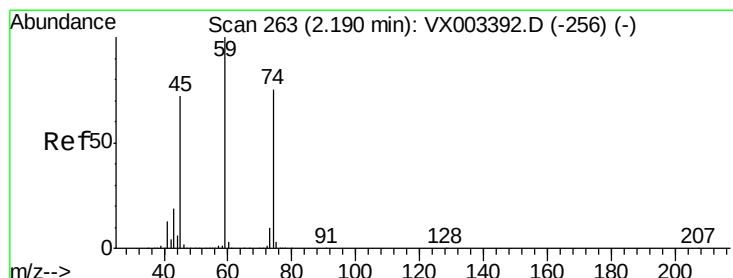
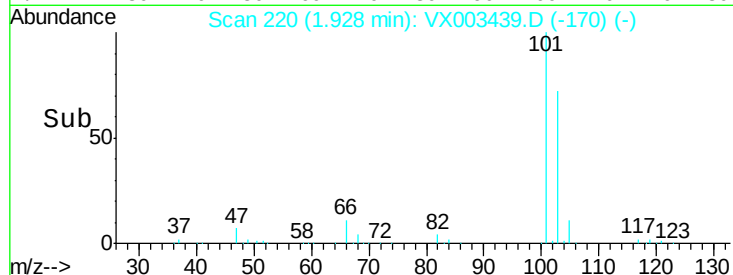
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50000

0

Time-->

1.80 1.90 2.00 2.10



#8

Diethyl Ether

Concen: 44.85 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003439.D

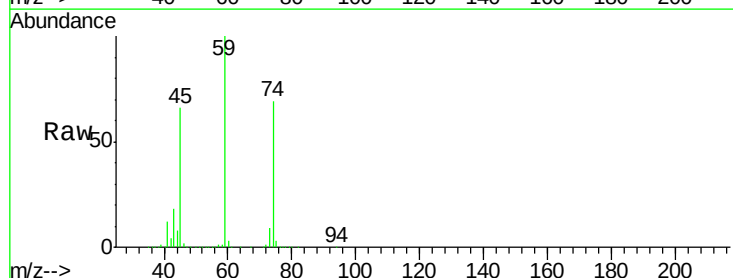
Acq: 18 Jul 2018 11:05

Tgt Ion: 74 Resp: 133277

Ion Ratio Lower Upper

74 100

45 95.7 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

100000

80000

60000

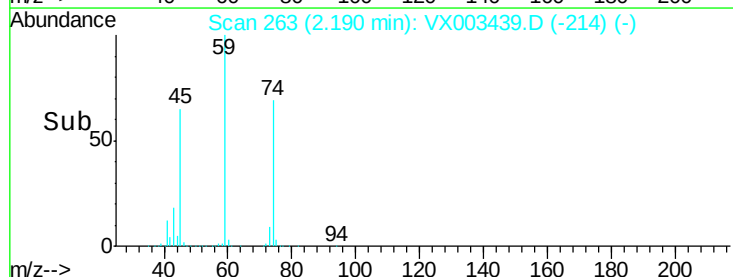
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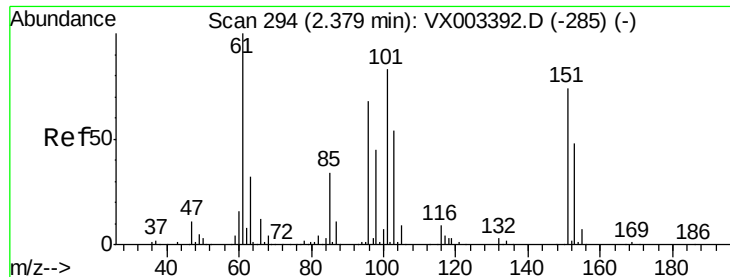
20000

0

Time-->

2.10 2.20 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.41 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

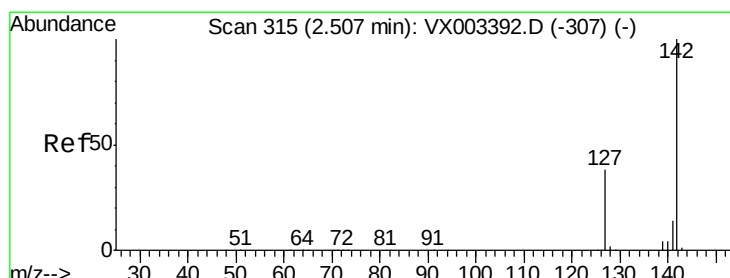
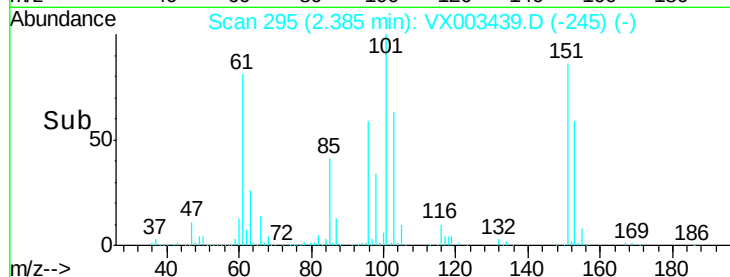
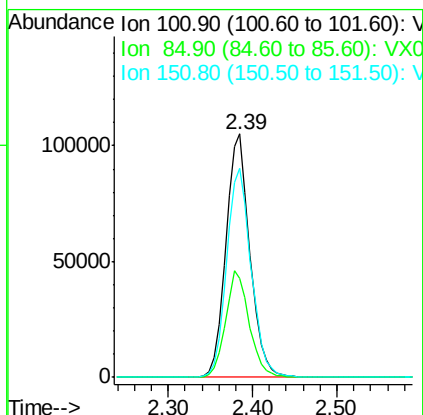
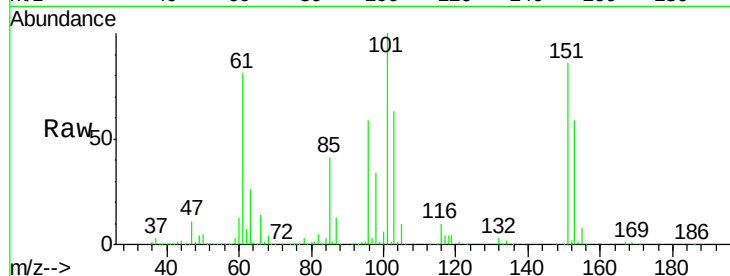
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	203617
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.0	54.0
151	88.0	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 47.63 ug/l

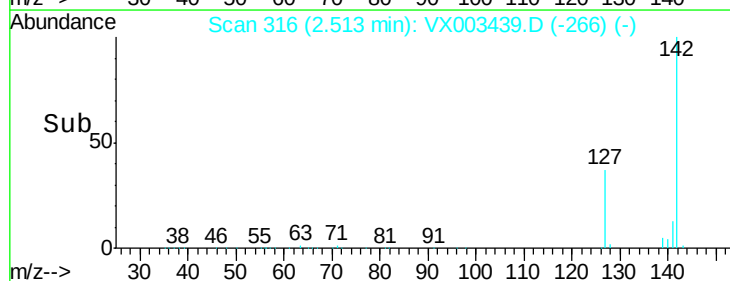
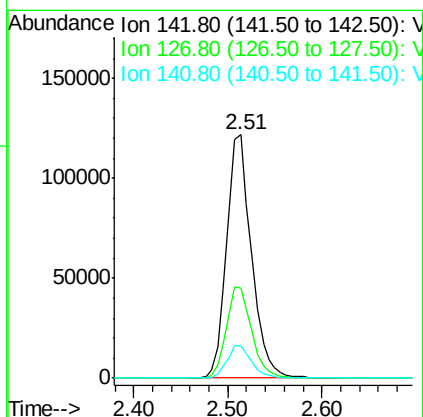
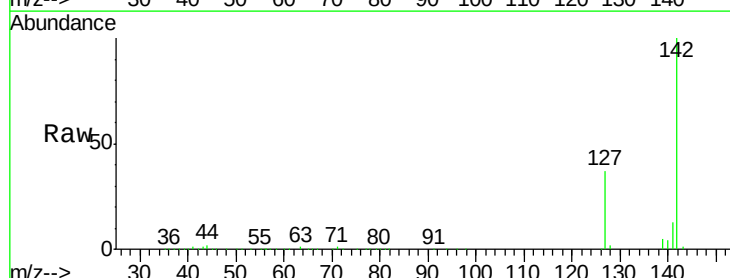
RT: 2.51 min Scan# 316

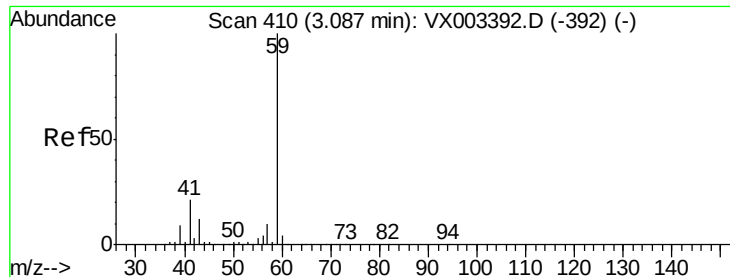
Delta R.T. 0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Tgt Ion:	142	Resp:	223558
Ion Ratio	Lower	Upper	
142	100		
127	38.1	36.6	55.0
141	13.4	11.3	16.9





#11

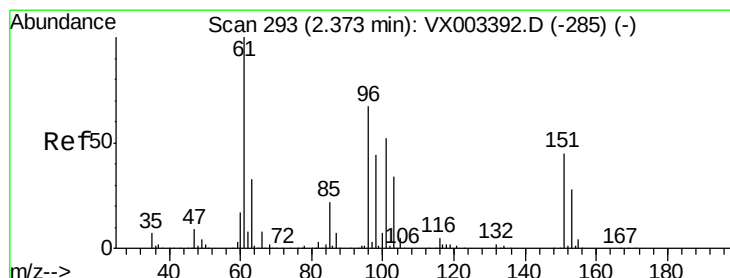
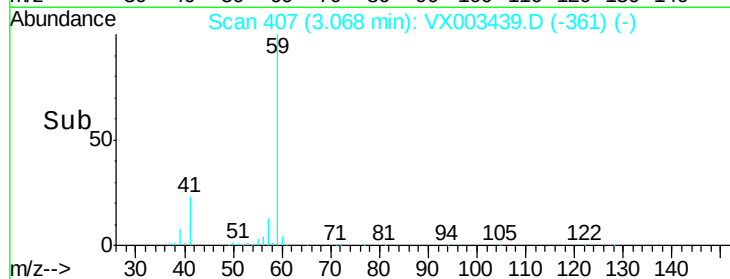
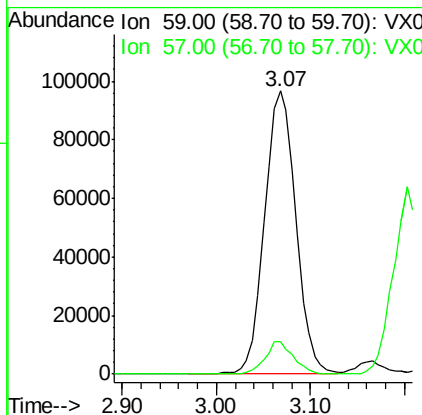
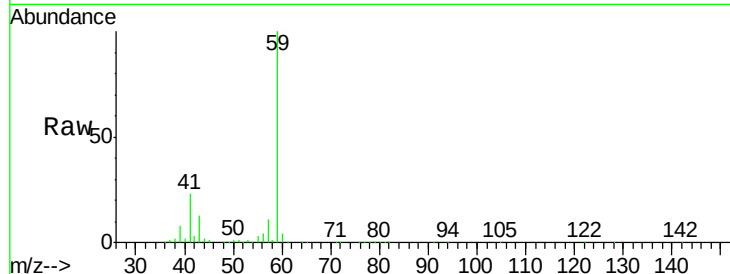
Tert butyl alcohol
Concen: 194.29 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
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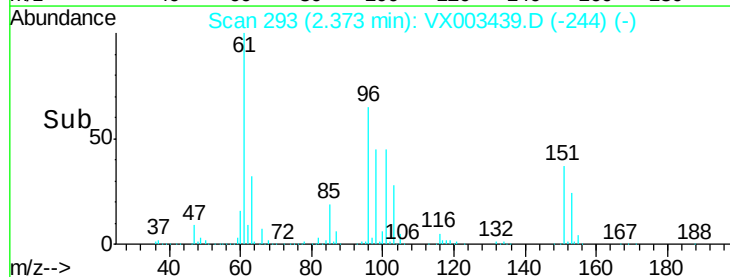
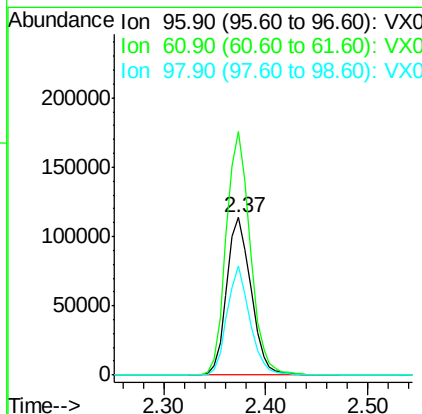
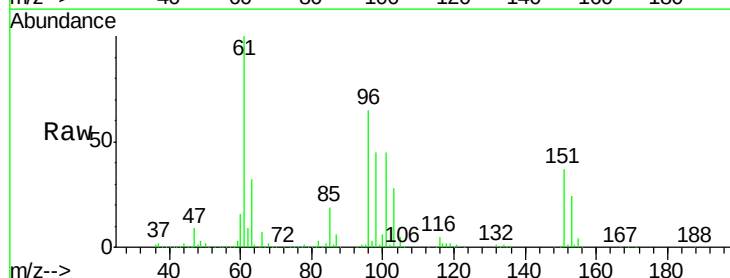
MMDadoda
7/19/2018 1:04:11 PM

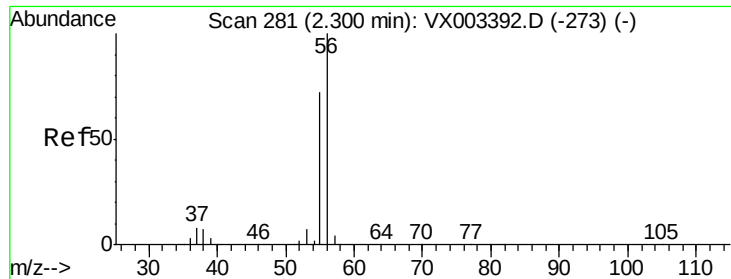


#12

1,1-Dichloroethene
Concen: 45.39 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	137.9	206.9
98	69.6	51.6	77.4





#13

Acrolein

Concen: 131.16 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 72879

Ion Ratio Lower Upper

56 100

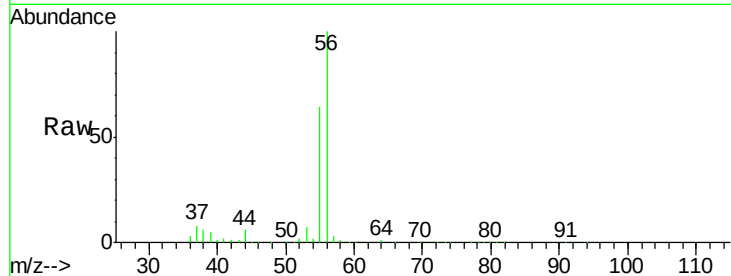
55 69.8 57.0 85.4

Manual Integrations

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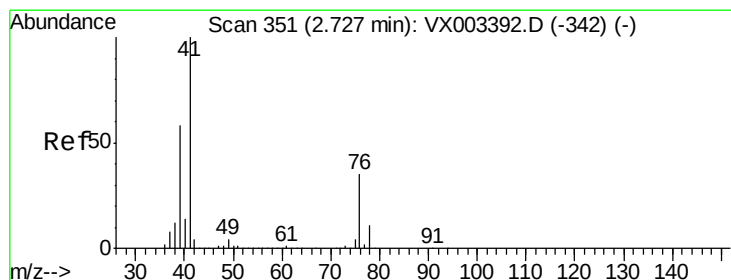
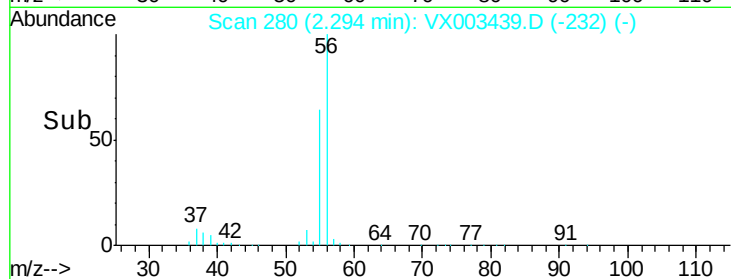
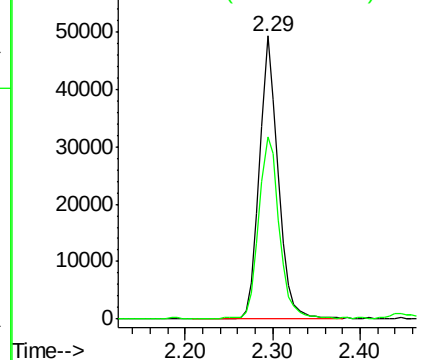
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.26 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

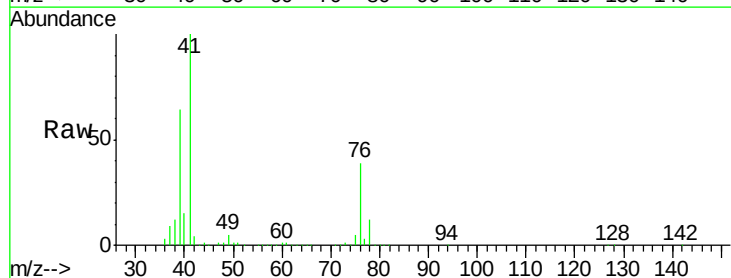
Tgt Ion: 41 Resp: 340359

Ion Ratio Lower Upper

41 100

39 59.3 56.8 85.2

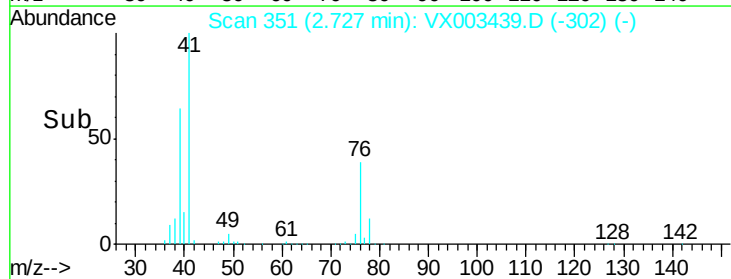
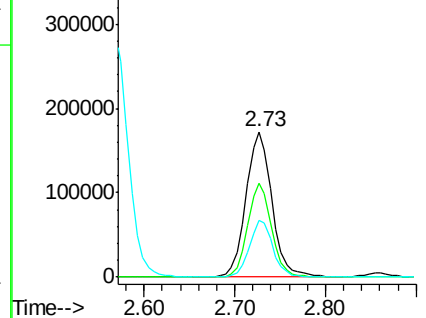
76 35.1 23.8 35.8

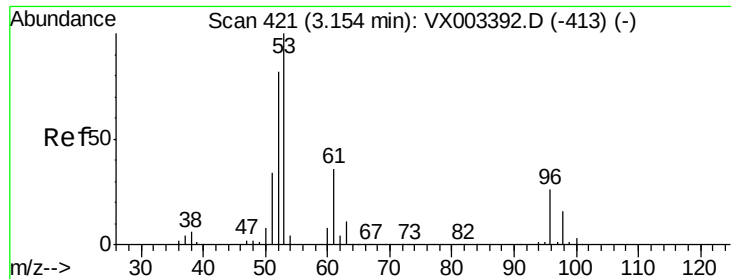


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 203.18 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

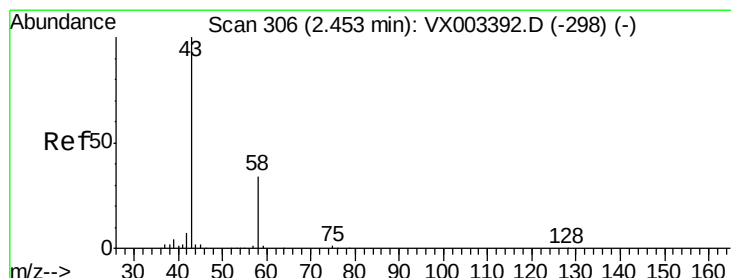
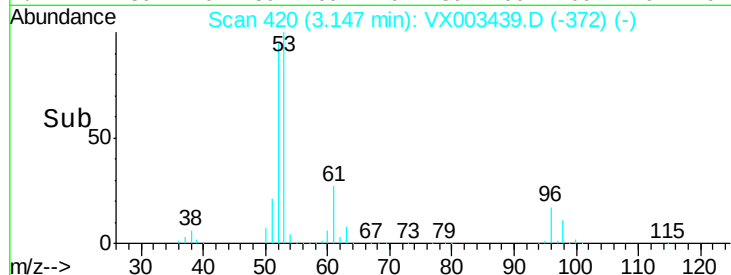
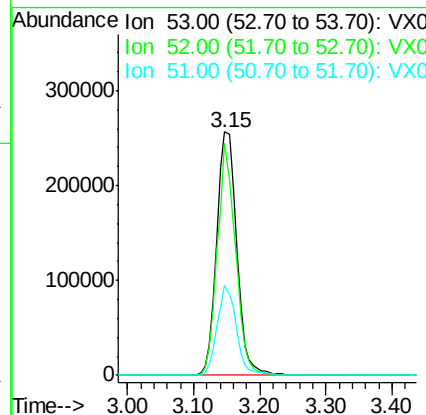
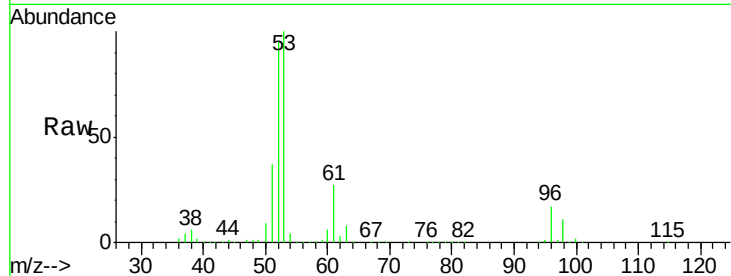
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	539200
Ion Ratio	Lower	Upper	
53	100		
52	86.1	66.7	100.1
51	35.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 195.22 ug/l

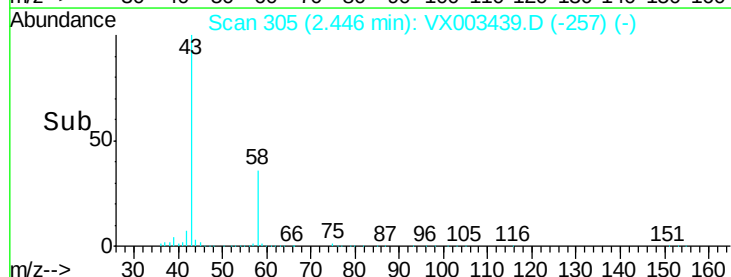
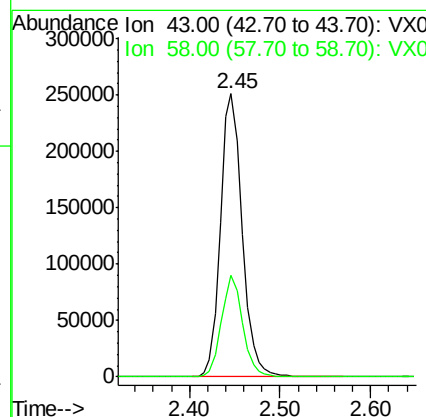
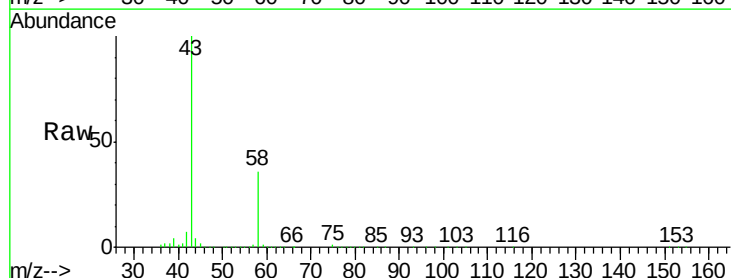
RT: 2.45 min Scan# 305

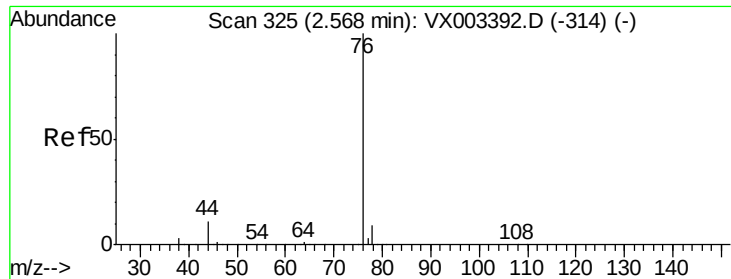
Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Tgt Ion:	43	Resp:	418242
Ion Ratio	Lower	Upper	
43	100		
58	36.0	22.1	33.1#





#17

Carbon Disulfide

Concen: 42.65 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 485115

Ion Ratio Lower Upper

76 100

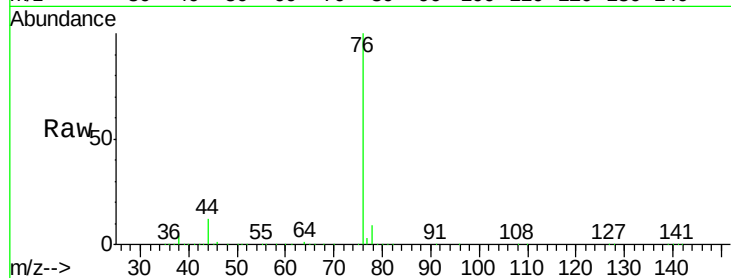
78 8.7 6.9 10.3

Manual Integrations

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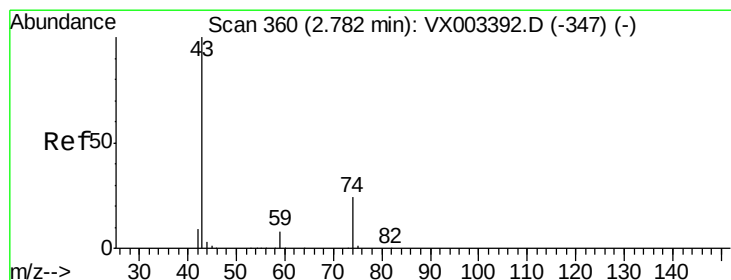
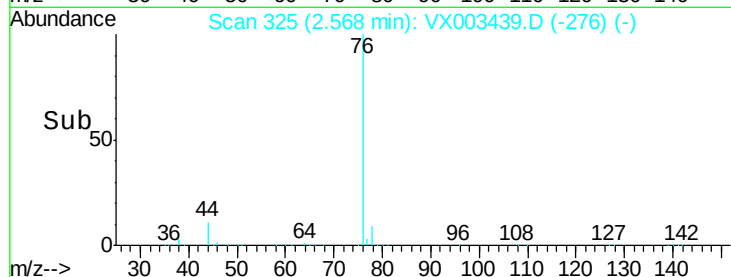
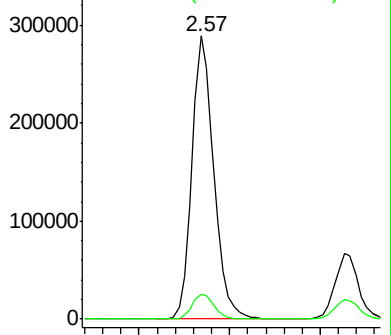
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.24 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003439.D

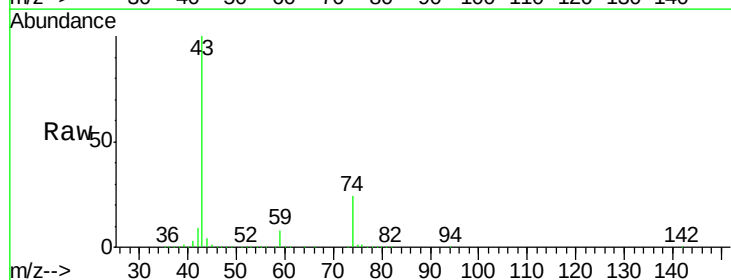
Acq: 18 Jul 2018 11:05

Tgt Ion: 43 Resp: 343564

Ion Ratio Lower Upper

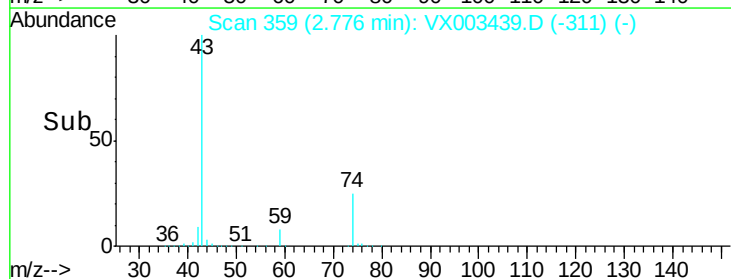
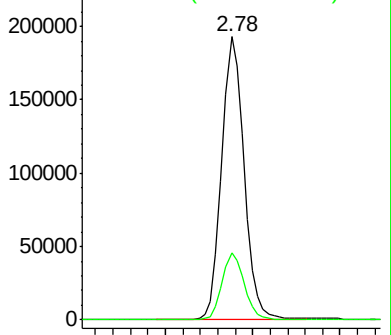
43 100

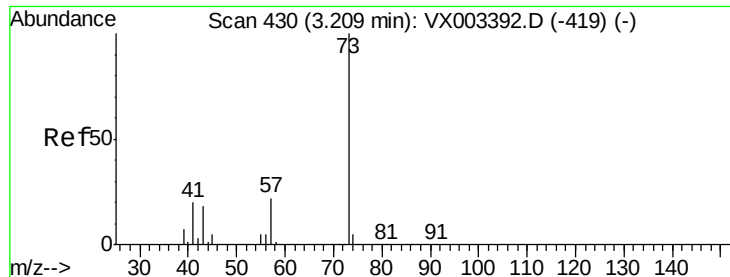
74 23.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

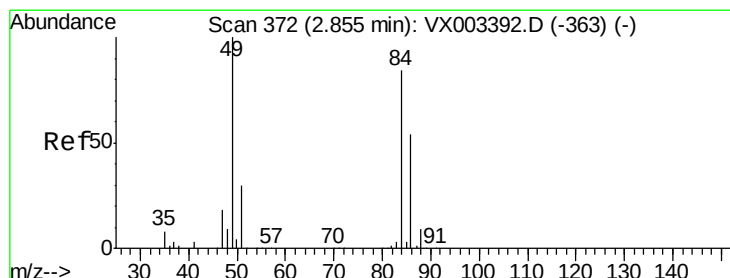
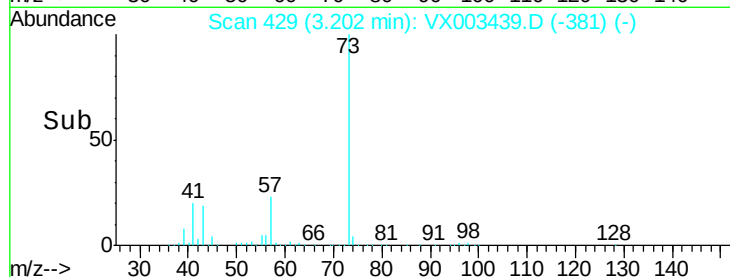
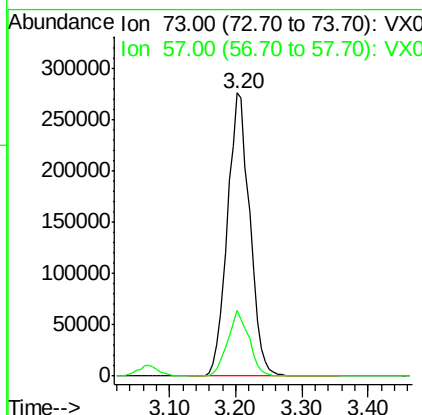
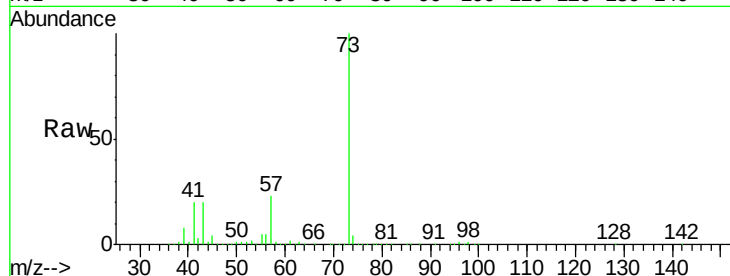
Methyl tert-butyl Ether
 Concen: 47.12 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 648700
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.7 26.5

Manual Integrations
 APPROVED

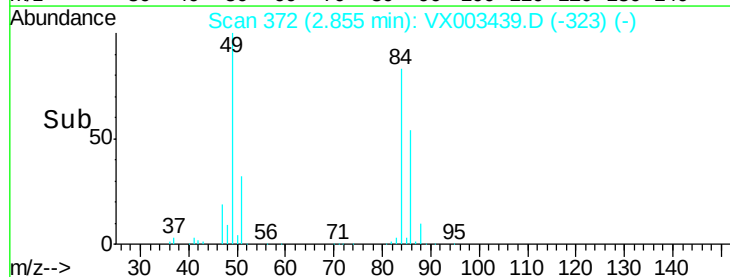
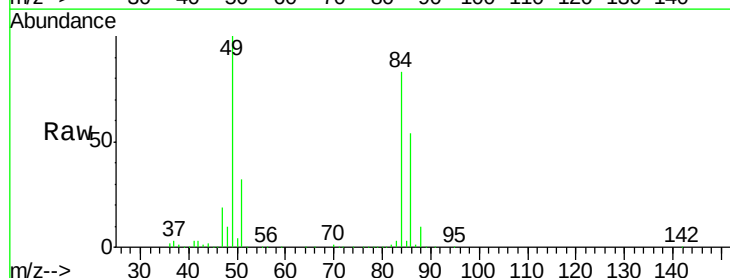
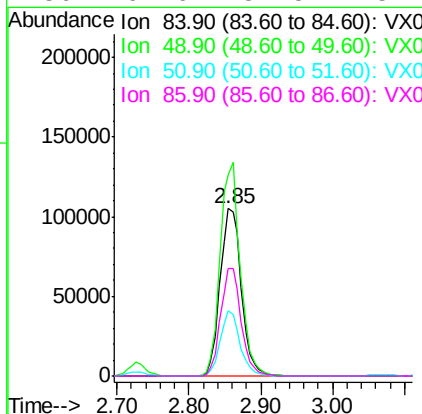
MMDadoda
 7/19/2018 1:04:11 PM

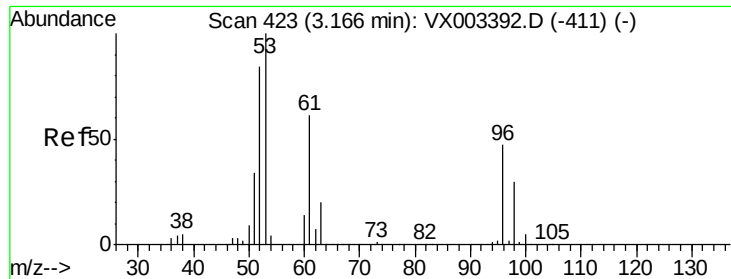


#20

Methylene Chloride
 Concen: 56.04 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Tgt Ion: 84 Resp: 215565
 Ion Ratio Lower Upper
 84 100
 49 120.6 107.8 161.6
 51 39.0 32.8 49.2
 86 64.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 43.96 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

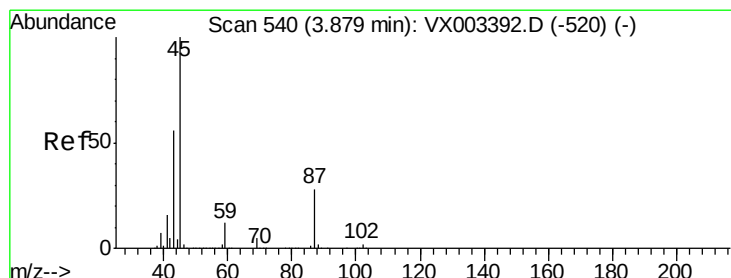
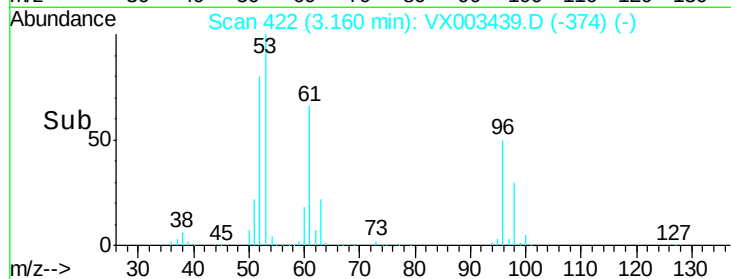
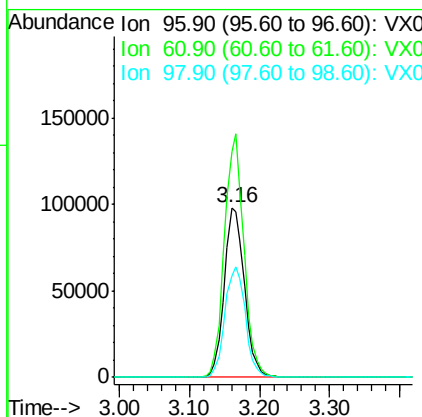
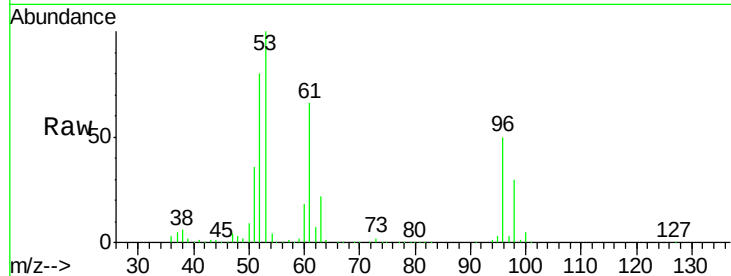
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	196855
Ion Ratio	Lower	Upper	
96	100		
61	133.2	117.0	175.4
98	60.0	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 44.90 ug/l

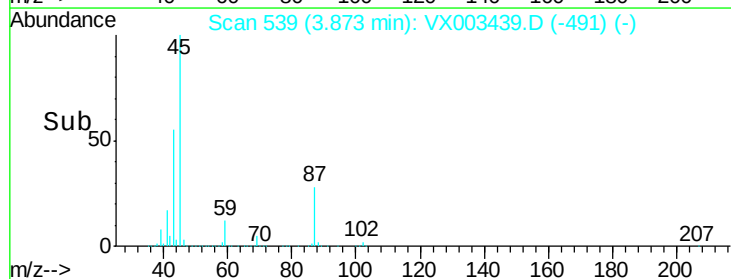
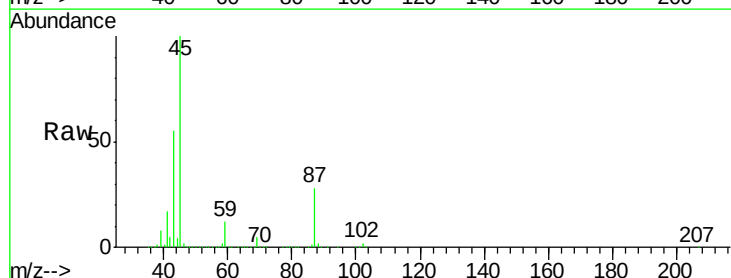
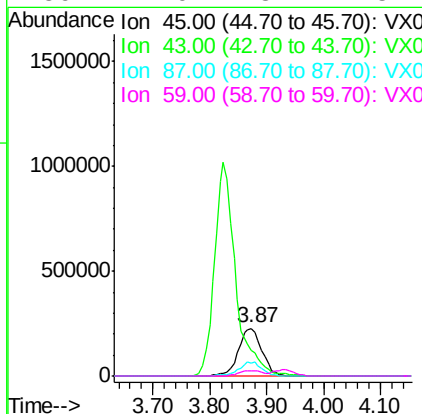
RT: 3.87 min Scan# 539

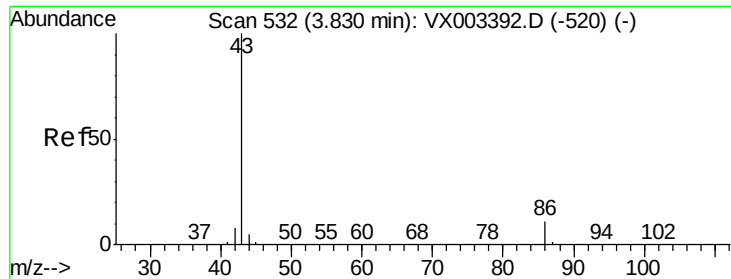
Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Tgt Ion:	45	Resp:	654924
Ion Ratio	Lower	Upper	
45	100		
43	54.7	46.8	70.2
87	28.0	20.2	30.4
59	12.0	8.7	13.1





#23

Vinyl Acetate

Concen: 219.34 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2638840

Ion Ratio Lower Upper

43 100

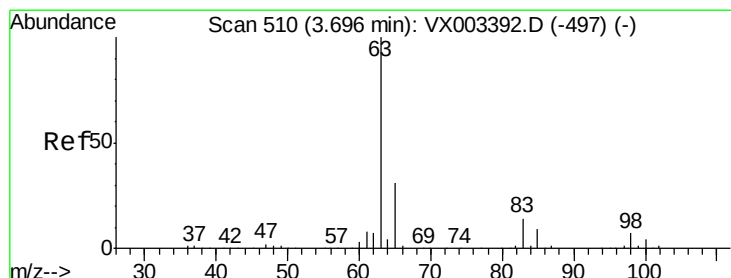
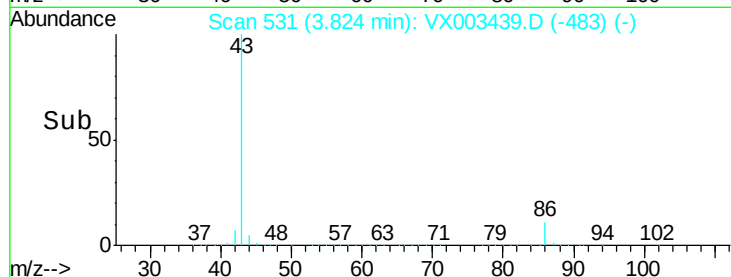
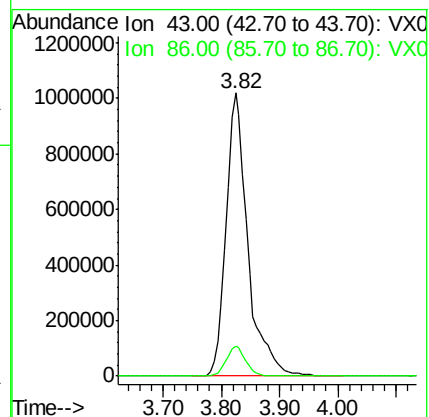
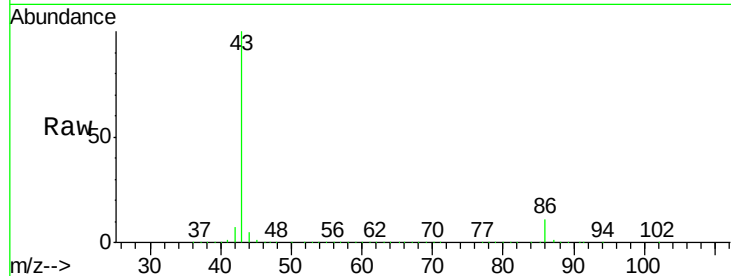
86 10.6 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.85 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

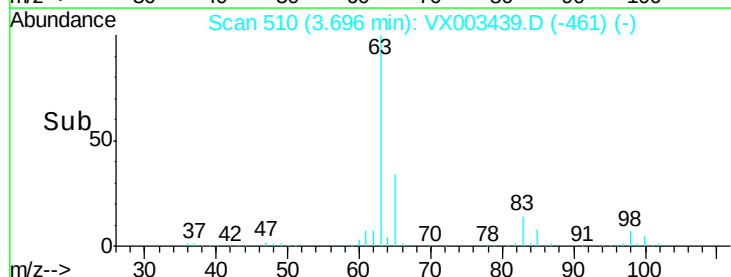
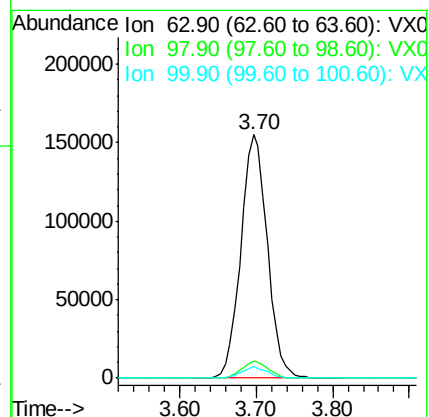
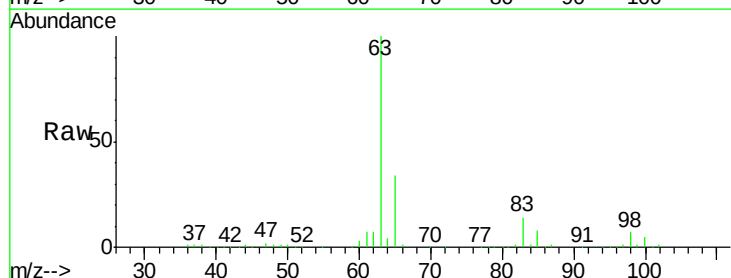
Tgt Ion: 63 Resp: 371134

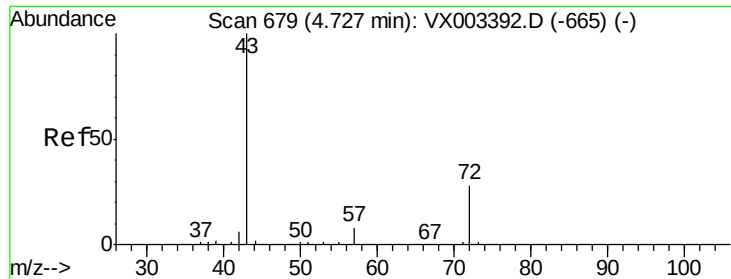
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.7 2.0 6.0





#25

2-Butanone

Concen: 198.20 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.02 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 664524

Ion Ratio Lower Upper

43 100

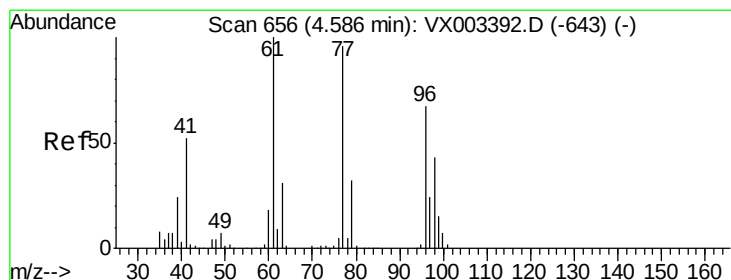
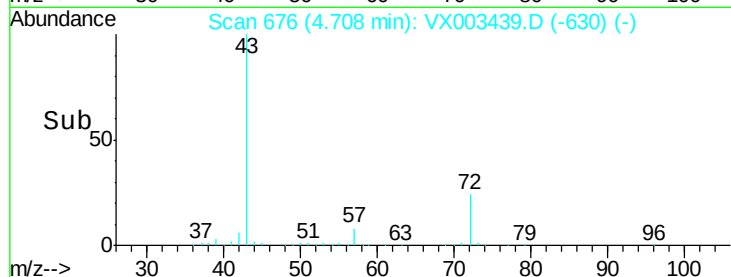
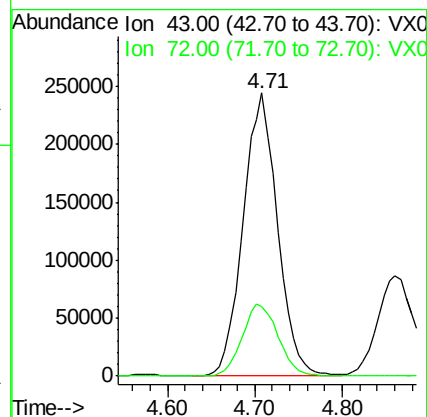
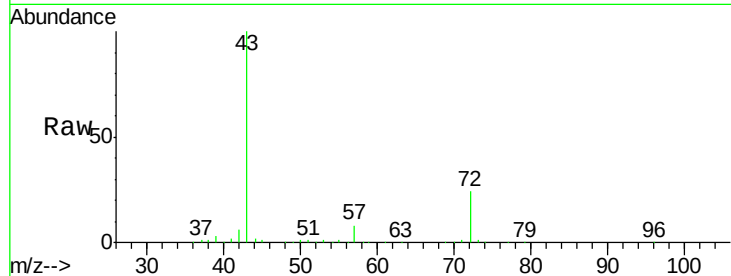
72 24.4 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.77 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003439.D

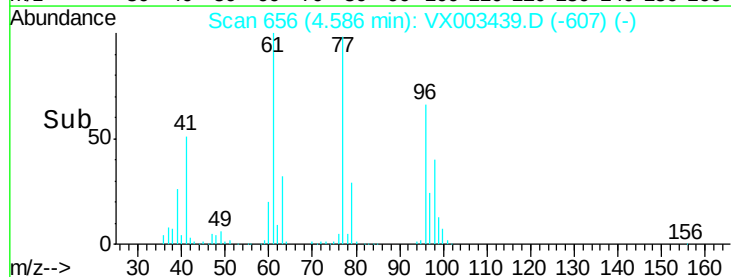
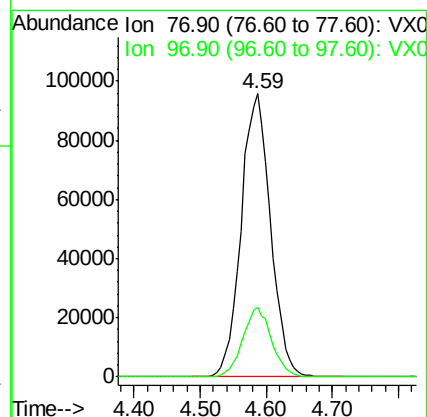
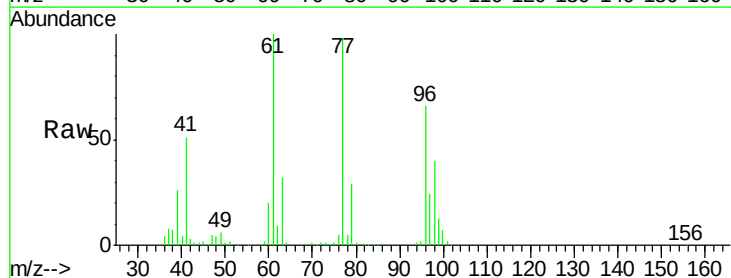
Acq: 18 Jul 2018 11:05

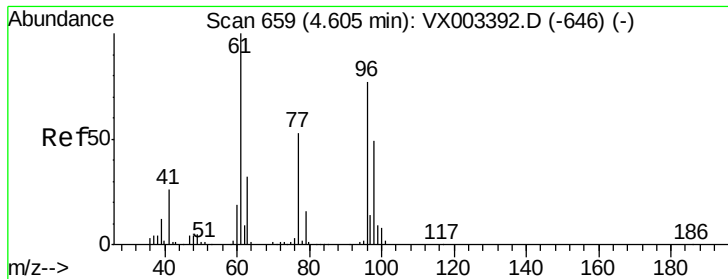
Tgt Ion: 77 Resp: 294890

Ion Ratio Lower Upper

77 100

97 24.0 11.2 33.5





#27

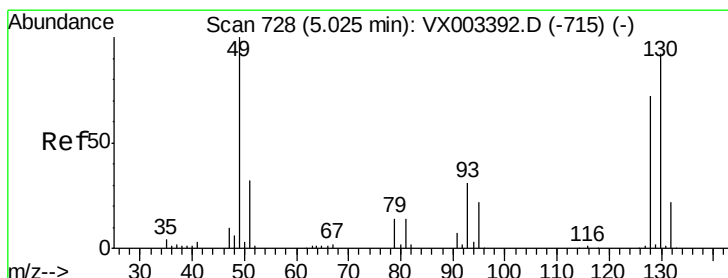
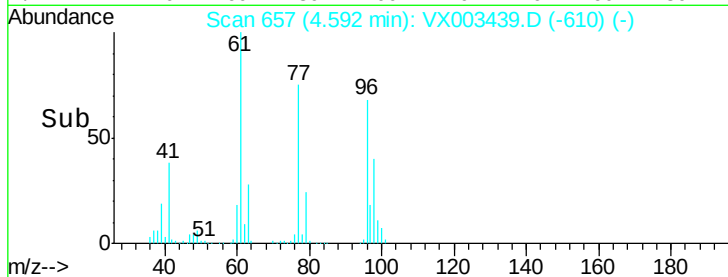
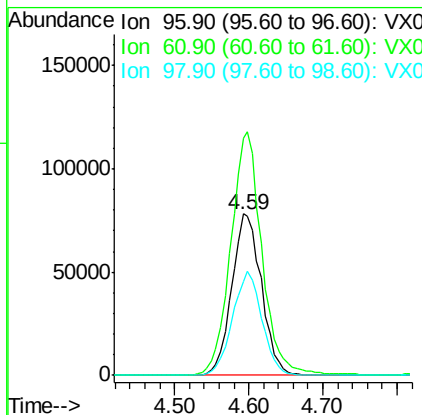
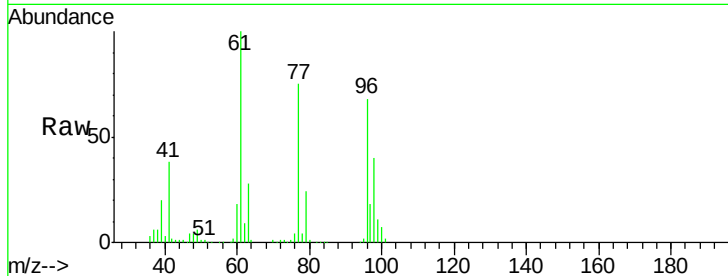
cis-1,2-Dichloroethene
 Concen: 45.21 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	217814		
61	158.2	0.0	330.2	
98	64.1	0.0	130.2	

Manual Integrations
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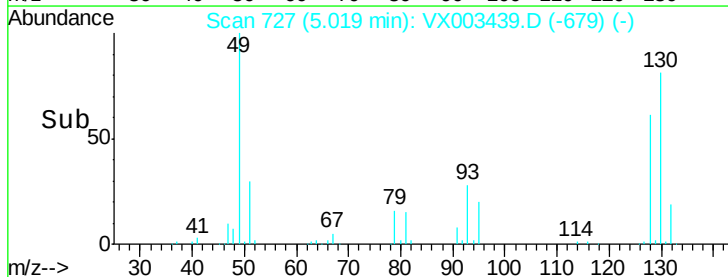
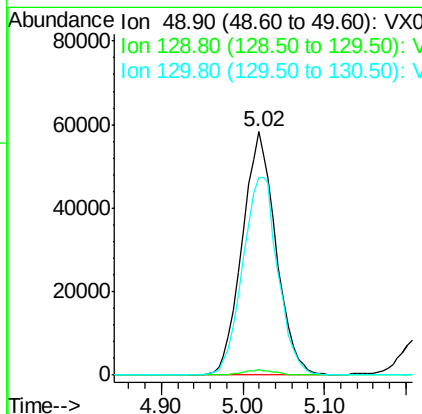
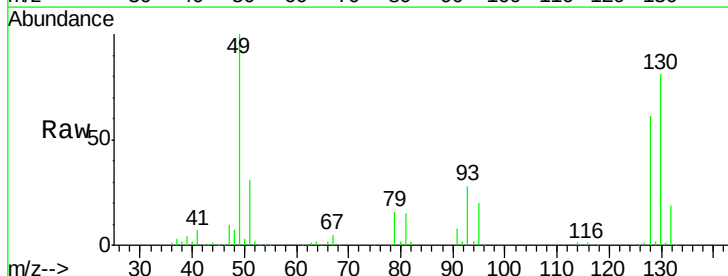
MMDadoda
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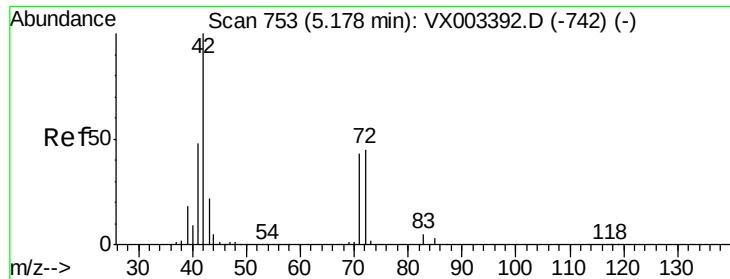


#28

Bromochloromethane
 Concen: 46.59 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167395		
129	2.1	0.0	4.2	
130	85.2	61.2	91.8	





#29

Tetrahydrofuran

Concen: 198.28 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.02 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

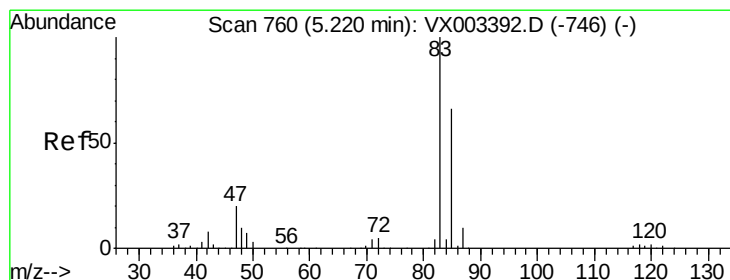
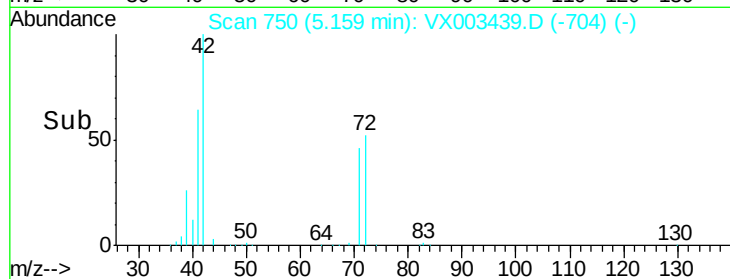
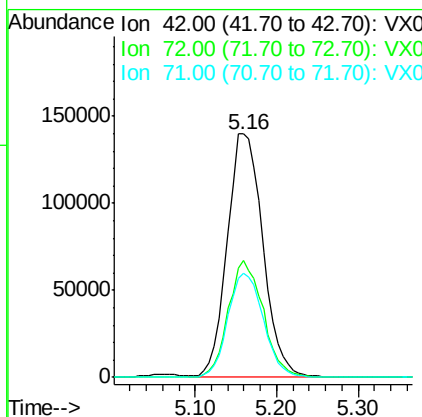
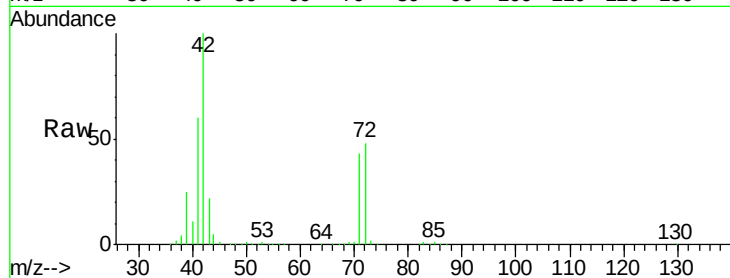
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	421616
Ion Ratio		Lower	Upper
42	100		
72	47.2	32.0	48.0
71	42.8	30.1	45.1

Manual Integrations
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#30

Chloroform

Concen: 45.68 ug/l

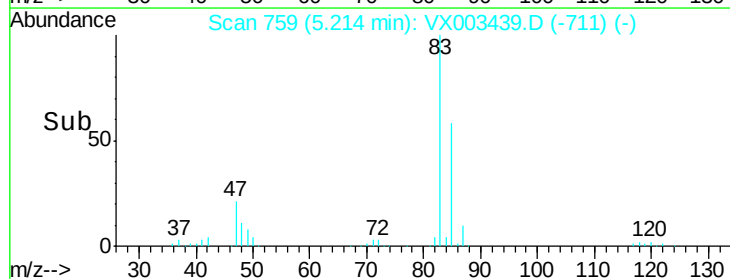
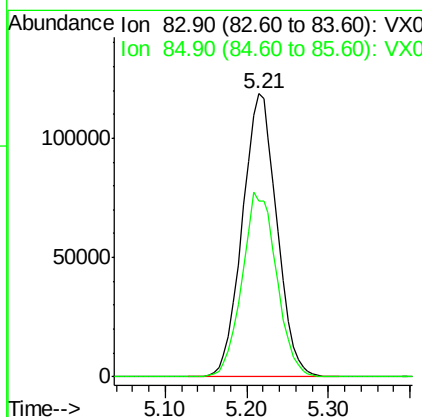
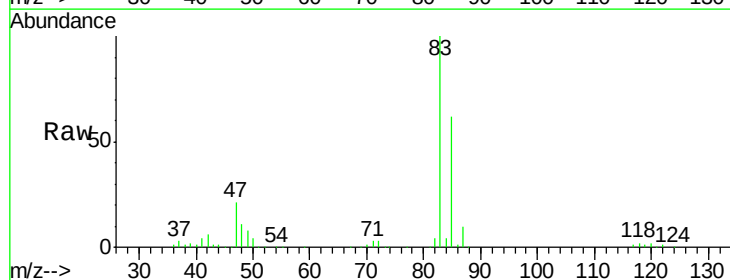
RT: 5.21 min Scan# 759

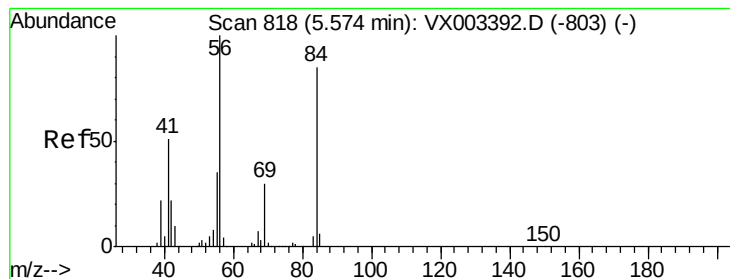
Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Tgt Ion:	83	Resp:	348381
Ion Ratio		Lower	Upper
83	100		
85	62.3	50.4	75.6





#31

Cyclohexane

Concen: 47.53 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

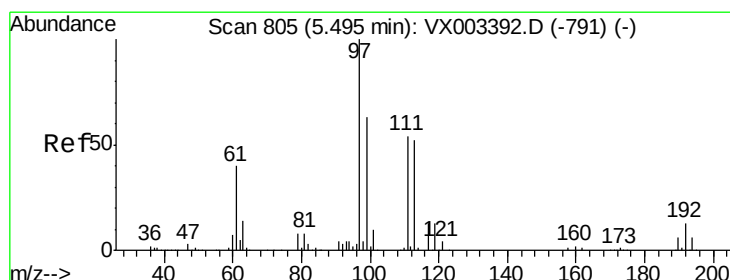
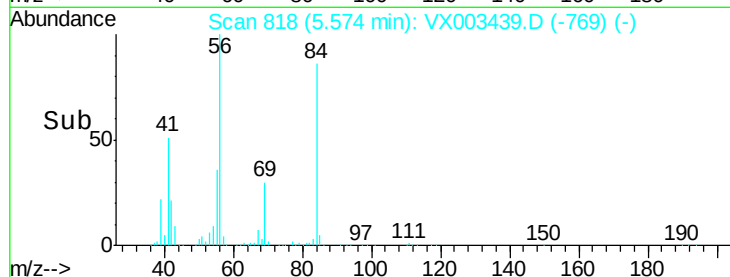
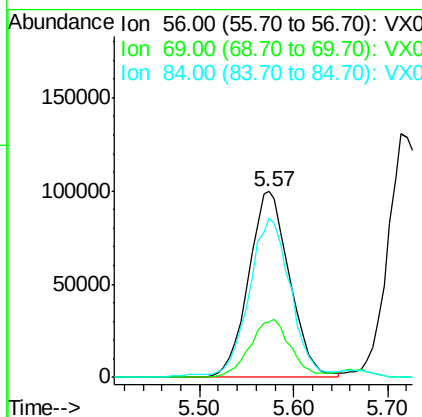
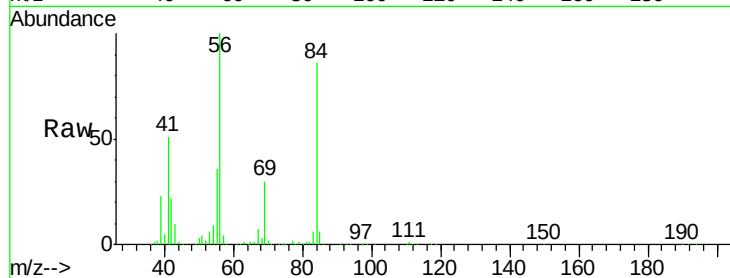
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	303774
Ion Ratio	Lower	Upper	
56	100		
69	29.9	23.7	35.5
84	84.4	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.58 ug/l

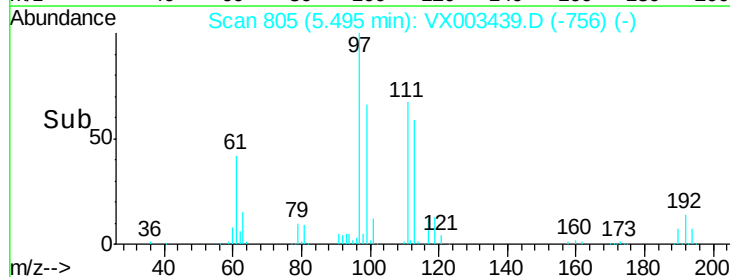
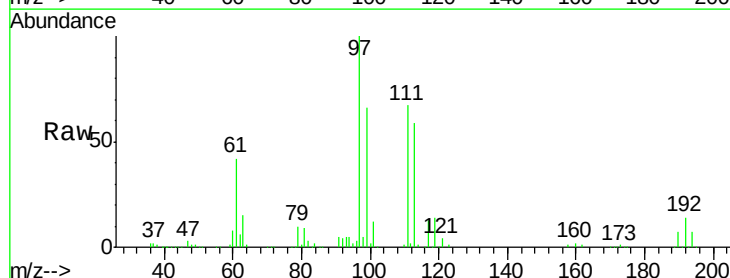
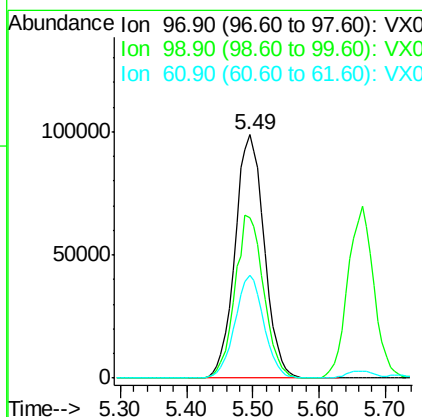
RT: 5.49 min Scan# 805

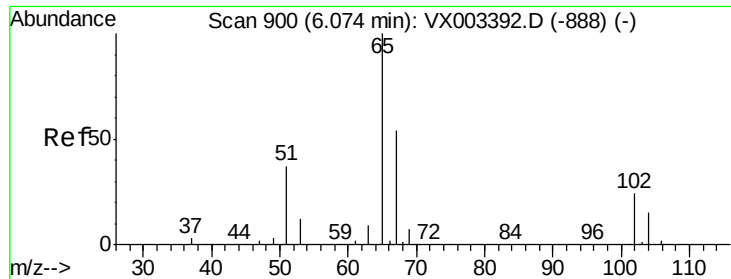
Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Tgt Ion:	97	Resp:	302092
Ion Ratio	Lower	Upper	
97	100		
99	65.8	51.6	77.4
61	41.6	36.4	54.6





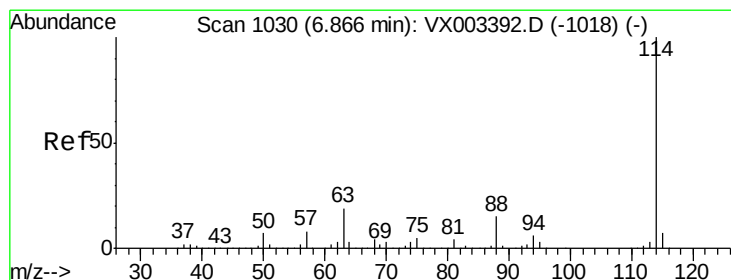
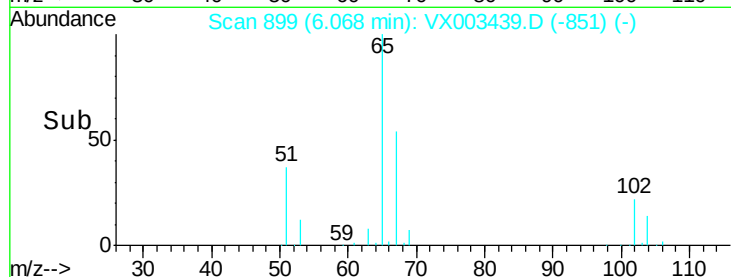
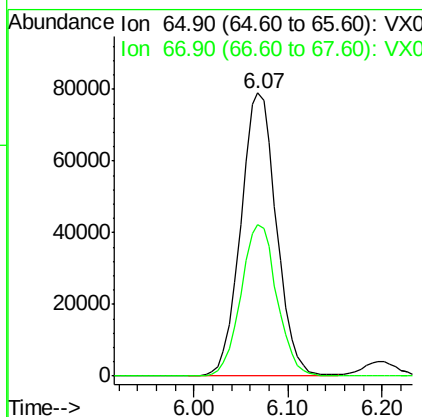
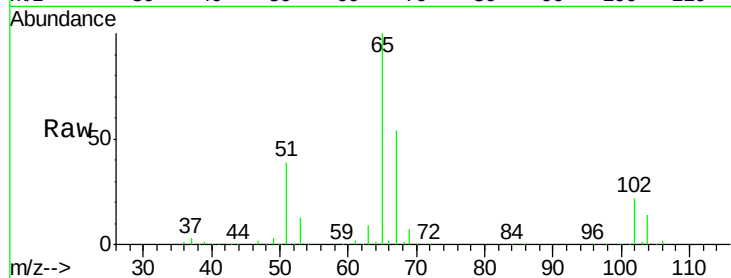
#33
 1,2-Dichloroethane-d4
 Concen: 40.64 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	102.6

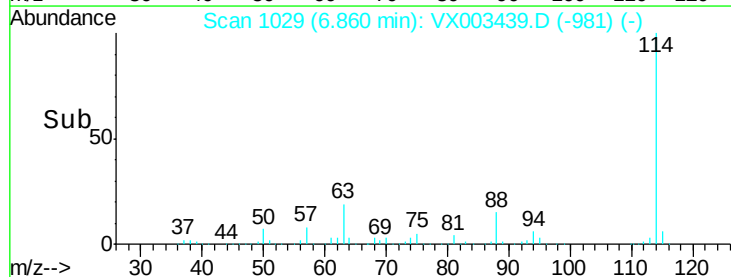
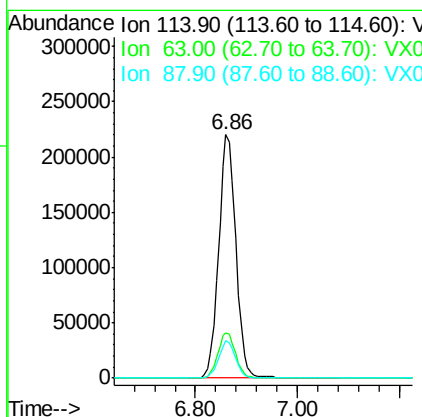
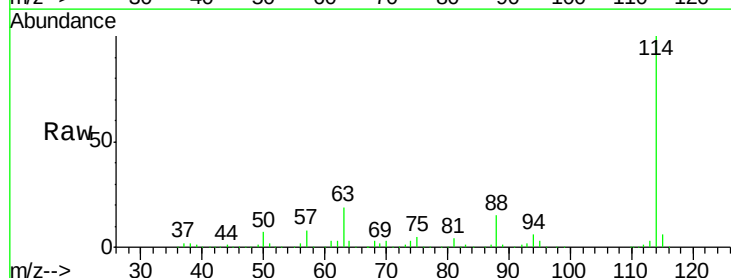
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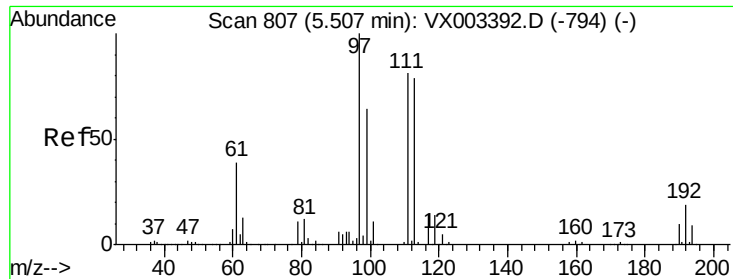
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	41.4
88	15.2	0.0	30.0





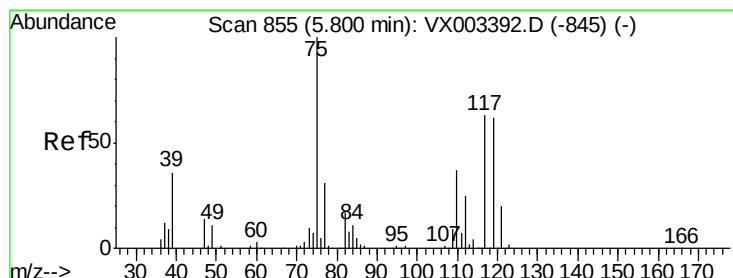
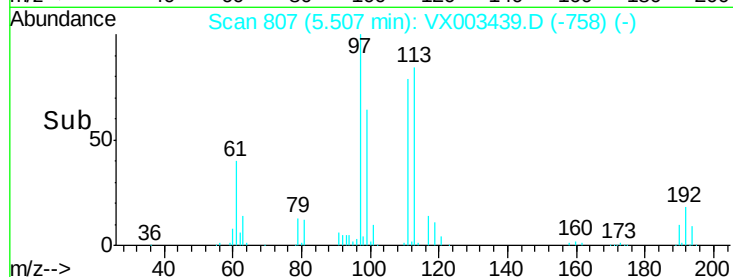
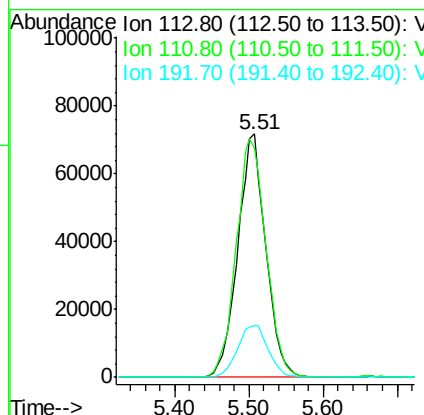
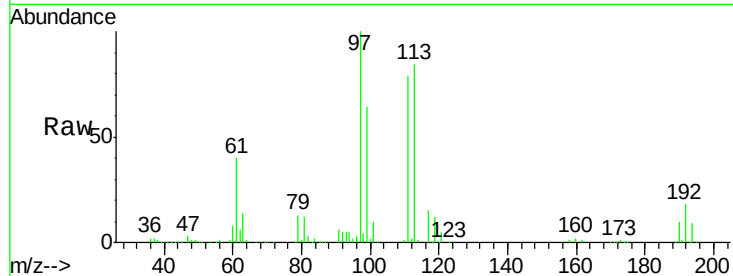
#35
Dibromofluoromethane
Concen: 45.46 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189847		
111	104.1	81.4	122.0	
192	23.6	19.1	28.7	

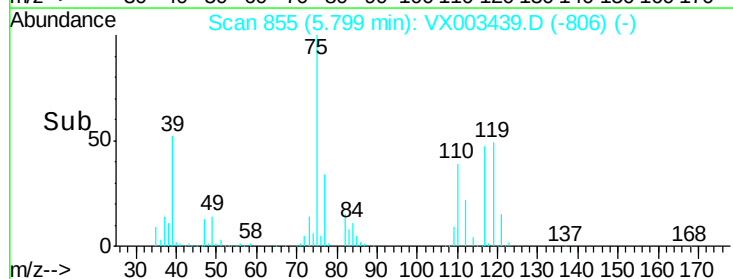
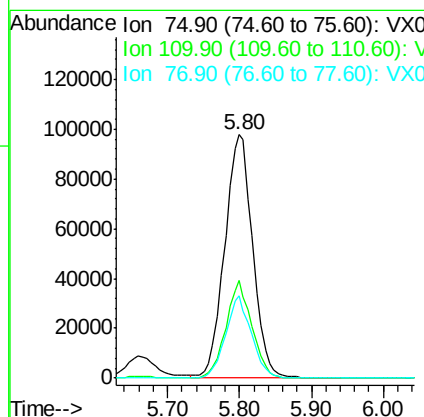
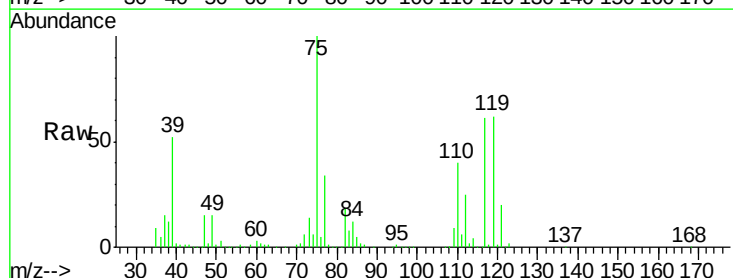
Manual Integrations
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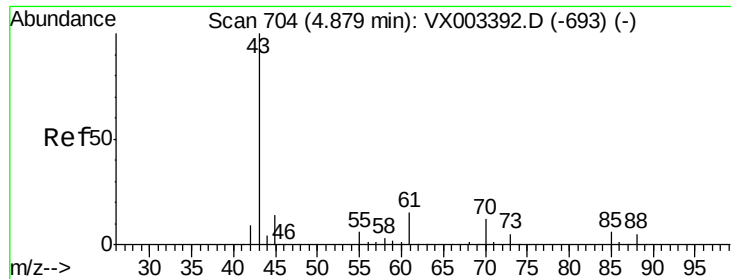
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.24 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	262556		
110	37.3	18.1	54.4	
77	30.9	24.3	36.5	





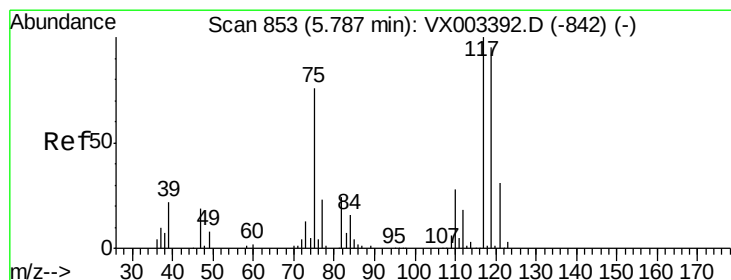
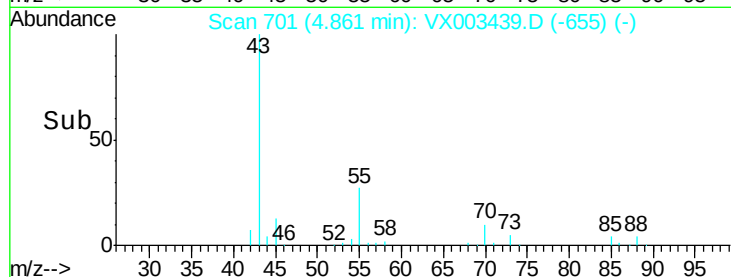
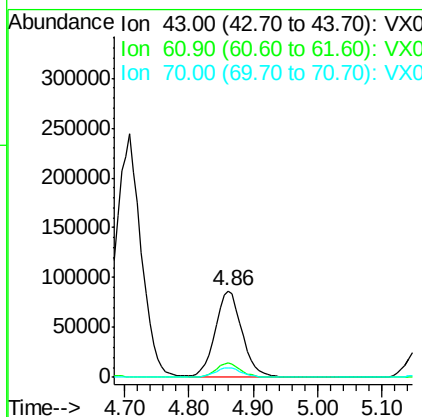
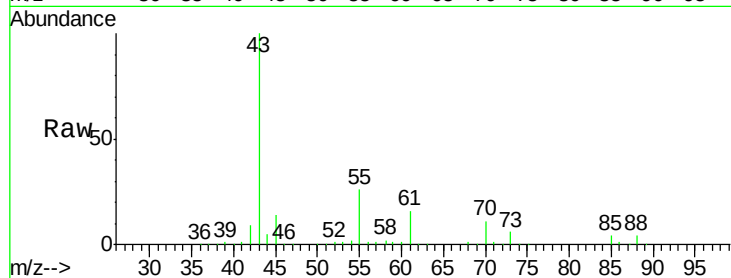
#37
Ethyl Acetate
Concen: 43.14 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.02 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.4	15.6
70	11.2	7.6	11.4

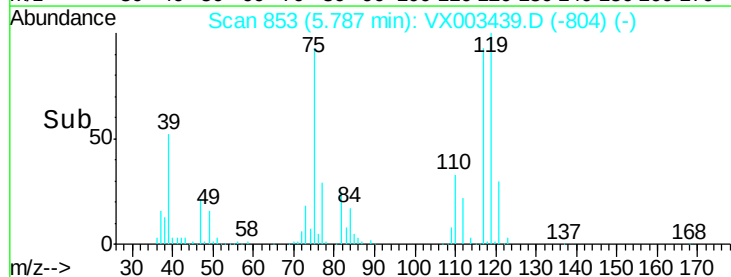
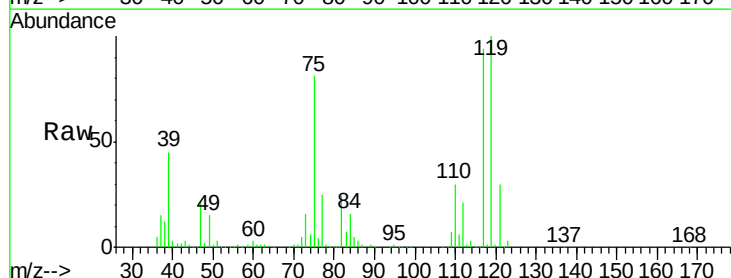
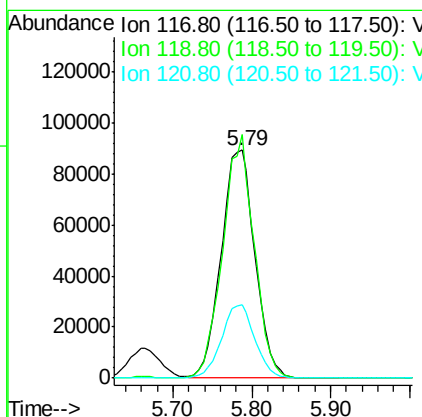
Manual Integrations
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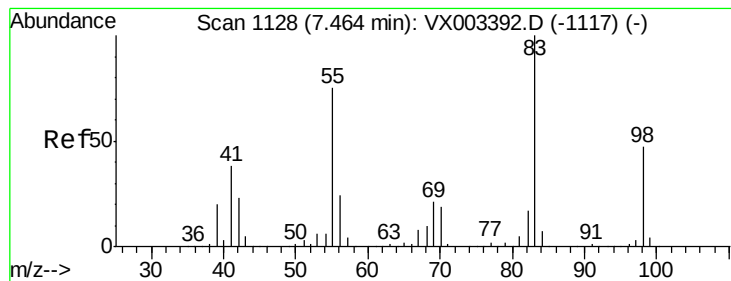
MMDadoda
7/19/2018 1:04:11 PM



#38
Carbon Tetrachloride
Concen: 50.12 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	106.7	77.4	116.0
121	32.3	24.4	36.6





#39

Methylvlcyclohexane

Concen: 49.55 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

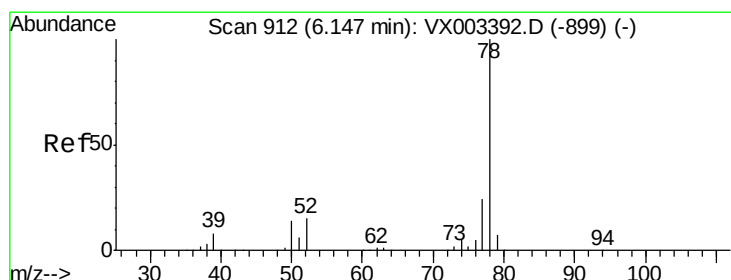
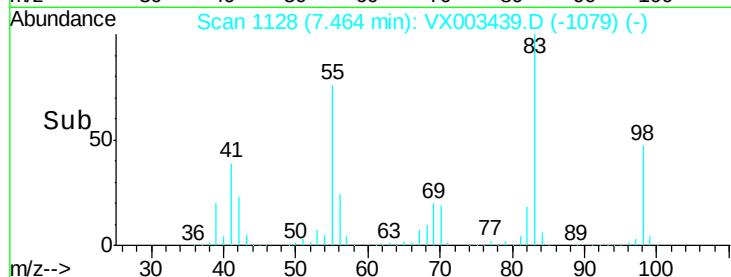
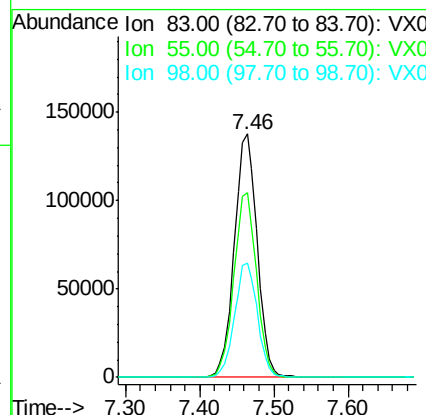
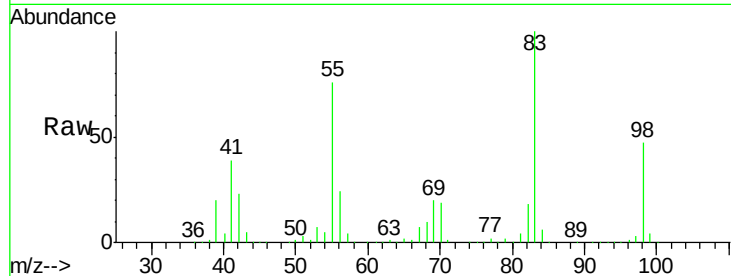
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	296456
Ion Ratio	Lower	Upper	
83	100		
55	75.9	65.4	98.0
98	47.2	37.4	56.0

Manual Integrations
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#40

Benzene

Concen: 47.98 ug/l

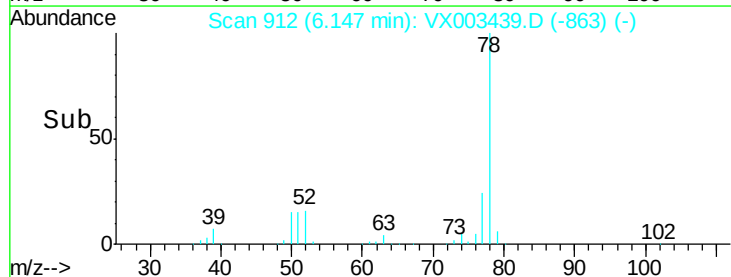
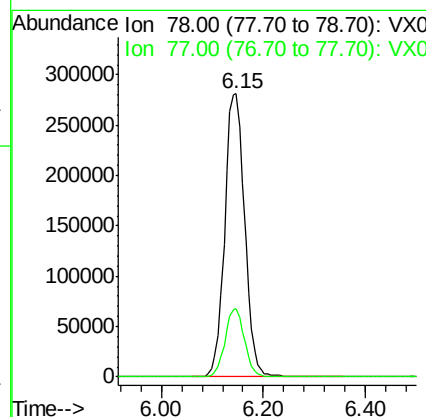
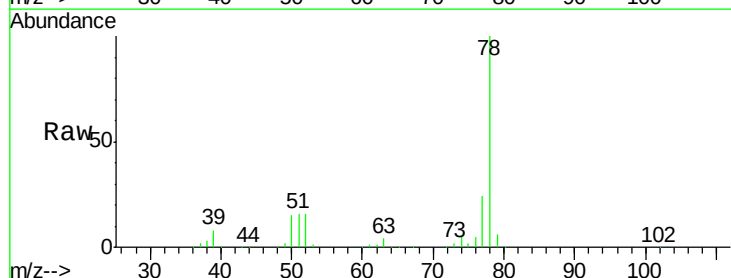
RT: 6.15 min Scan# 912

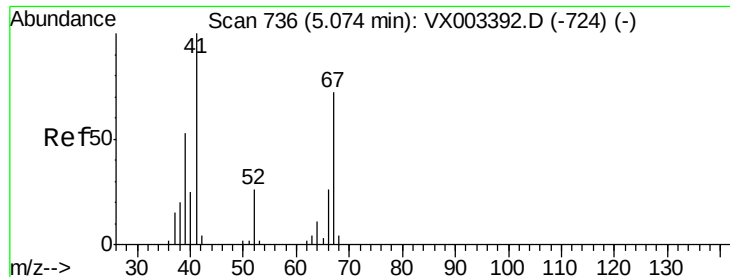
Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Tgt Ion:	78	Resp:	762972
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.1	28.7





#41

Methacrylonitrile

Concen: 46.19 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

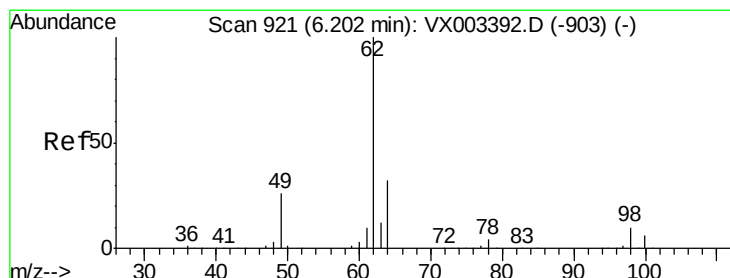
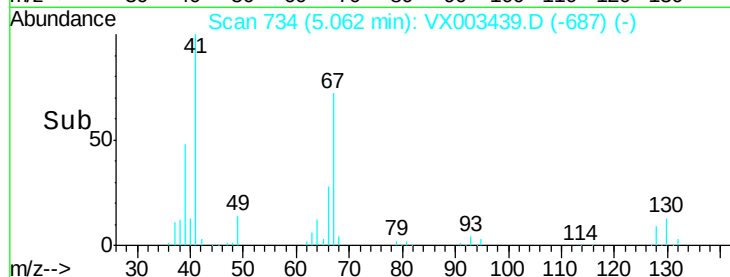
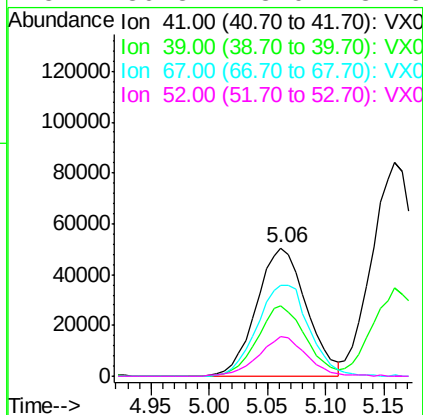
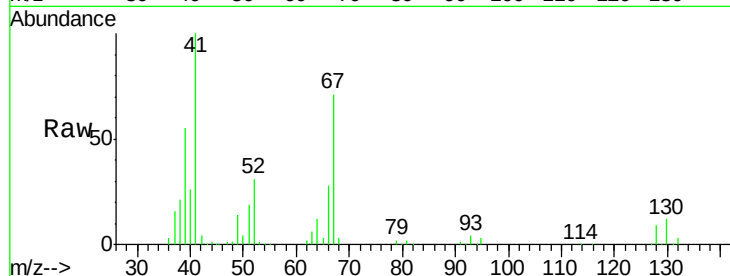
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	149597
Ion	Ratio	Lower	Upper
41	100		
39	53.3	45.8	68.6
67	74.3	51.3	76.9
52	30.3	23.0	34.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 46.12 ug/l

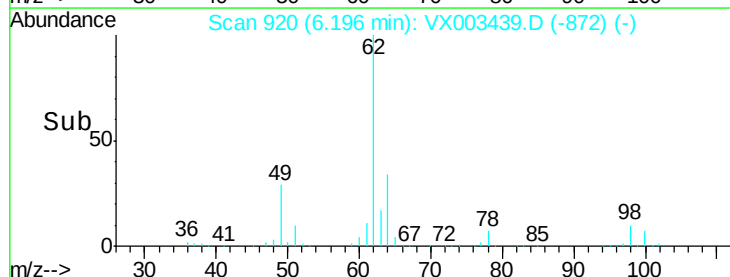
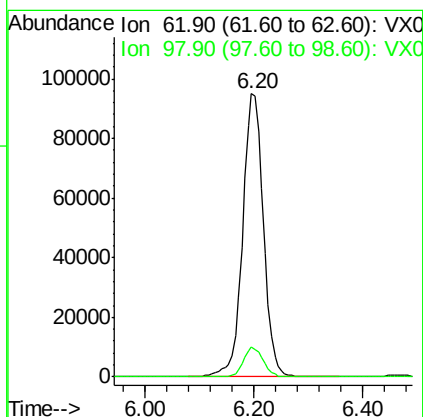
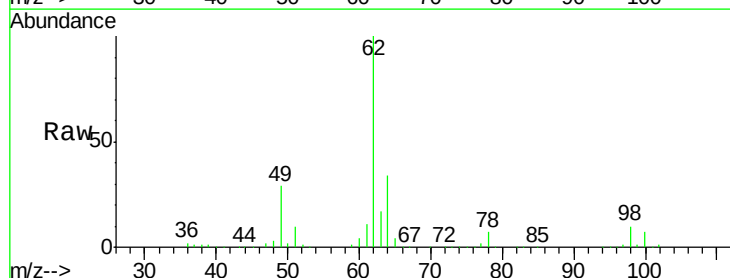
RT: 6.20 min Scan# 920

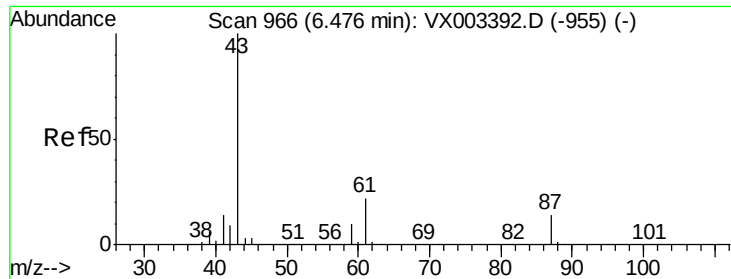
Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Tgt Ion:	62	Resp:	251477
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	16.6





#43

Isopropyl Acetate

Concen: 44.97 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

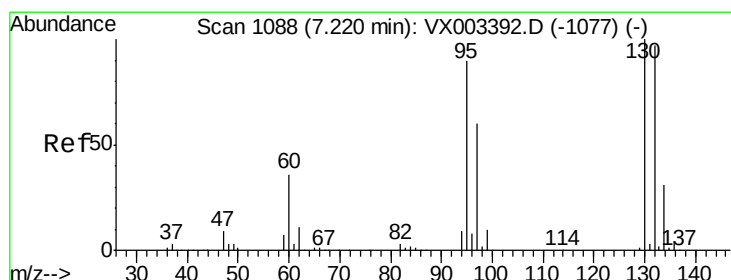
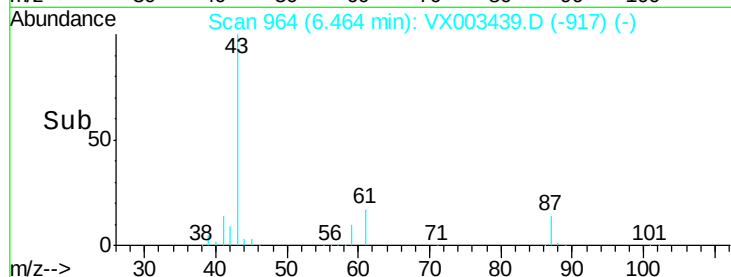
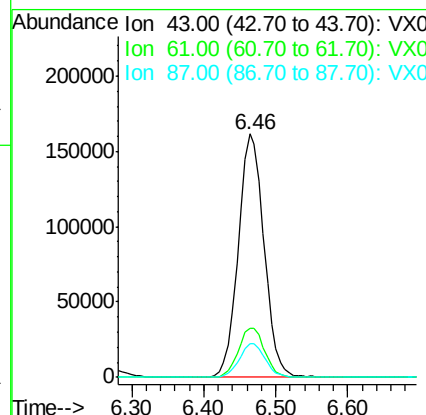
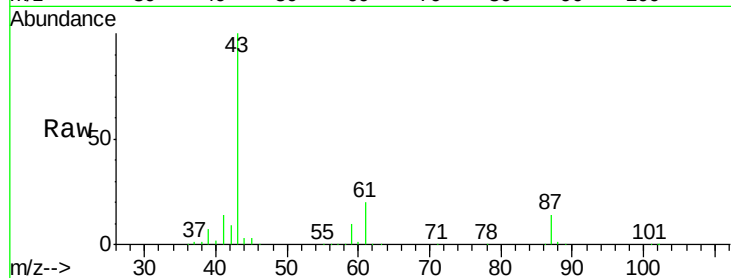
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	399731
Ion	Ratio	Lower	Upper
43	100		
61	20.7	14.4	21.6
87	14.0	9.5	14.3

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#44

Trichloroethene

Concen: 48.62 ug/l

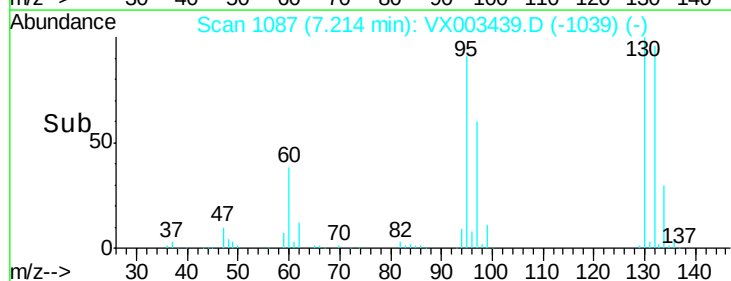
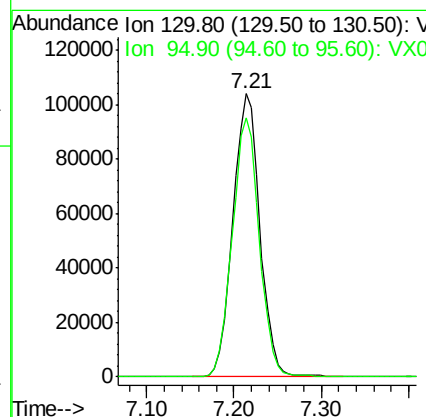
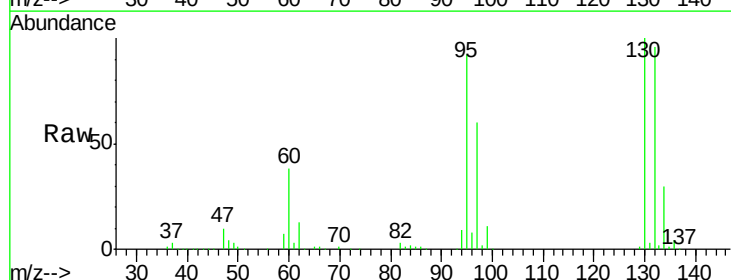
RT: 7.21 min Scan# 1087

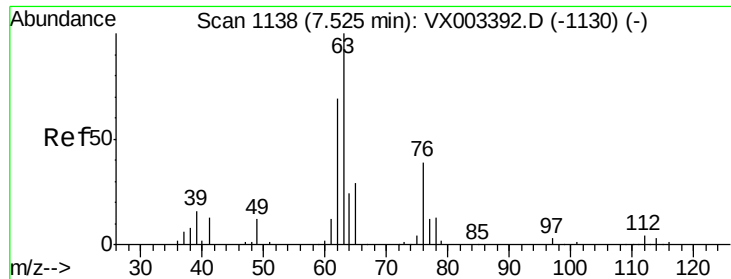
Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Tgt Ion:	130	Resp:	223944
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	185.4





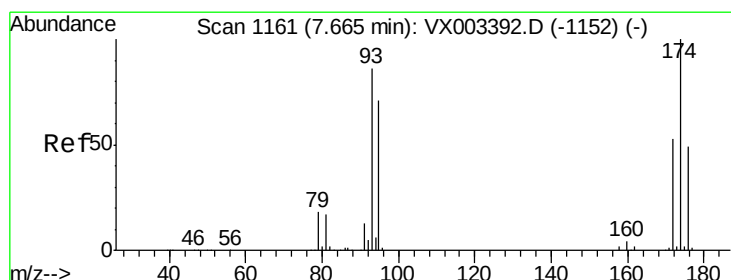
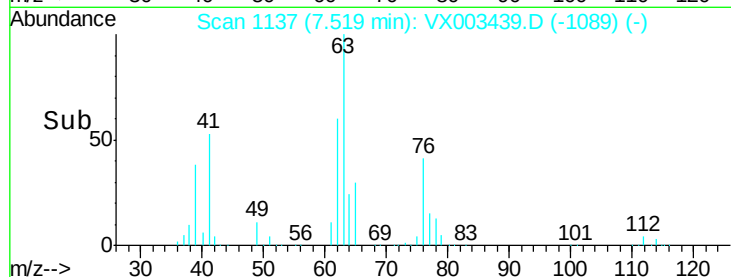
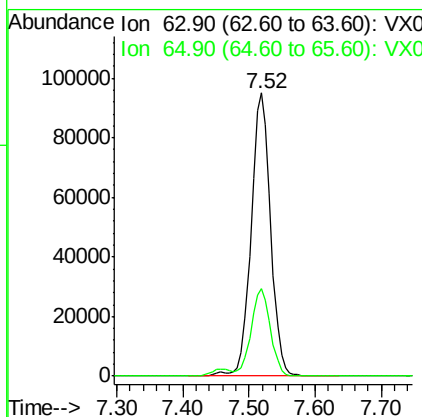
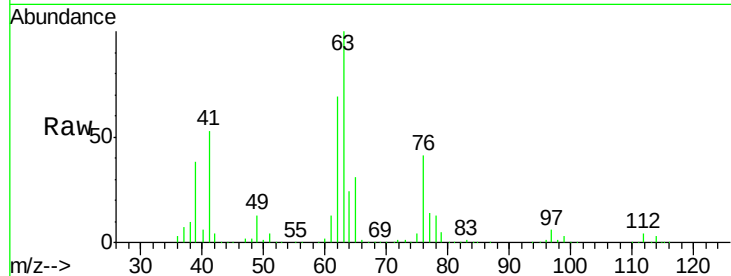
#45
1,2-Dichloropropane
Concen: 47.46 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 196294
Ion Ratio Lower Upper
63 100
65 30.8 24.7 37.1

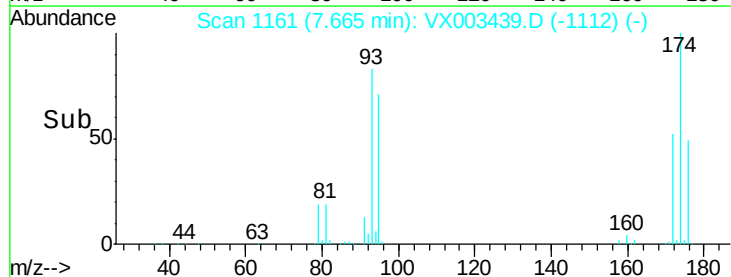
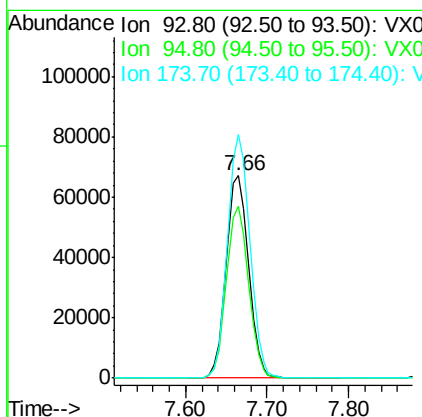
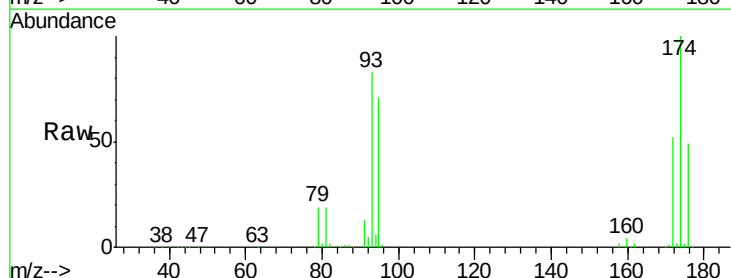
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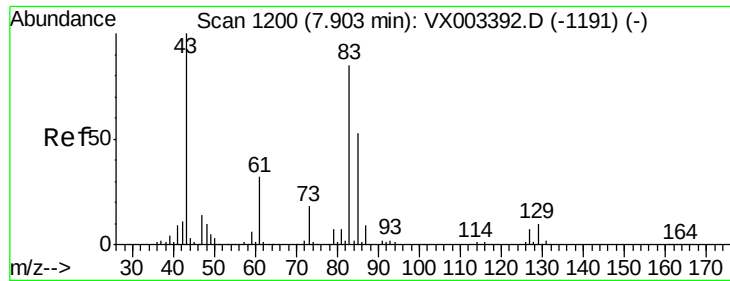
MMDadoda
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#46
Dibromomethane
Concen: 46.31 ug/l
RT: 7.66 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion: 93 Resp: 127540
Ion Ratio Lower Upper
93 100
95 84.2 65.9 98.9
174 119.7 92.4 138.6





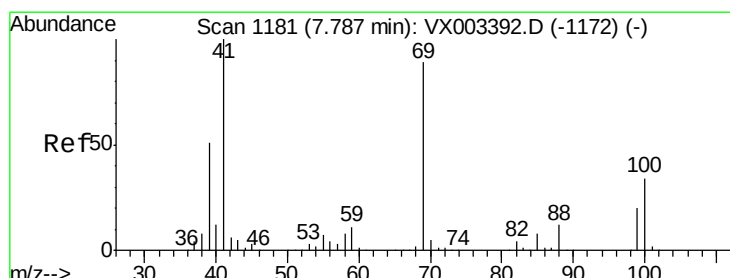
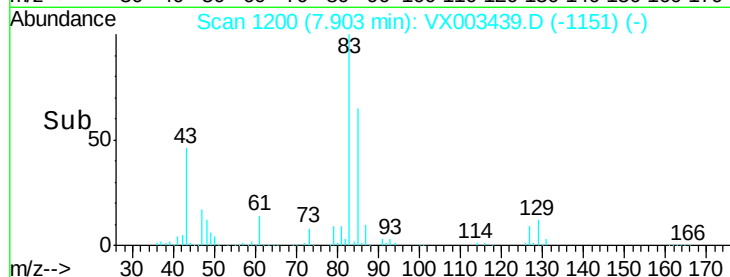
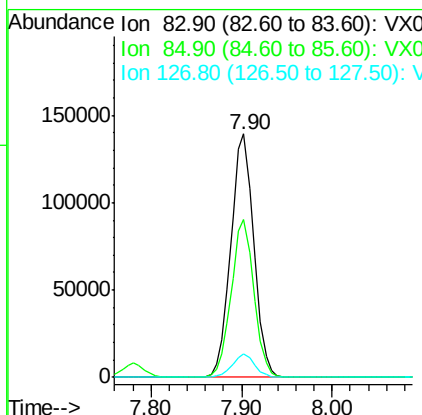
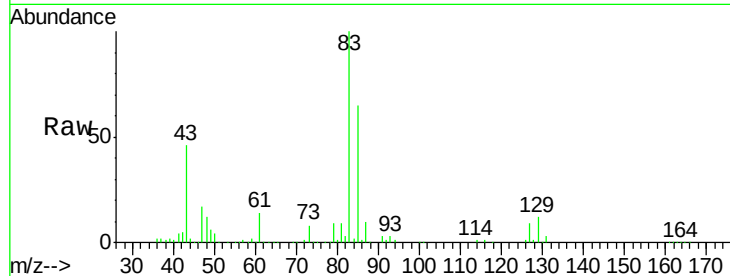
#47
 Bromodichloromethane
 Concen: 48.59 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.3	75.5
127	9.4	7.0	10.4

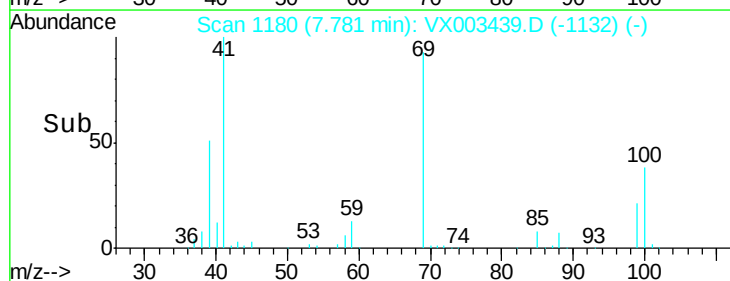
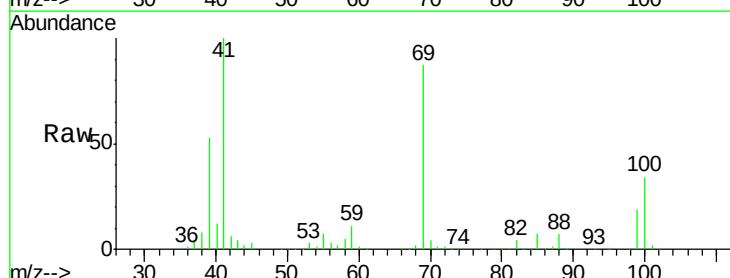
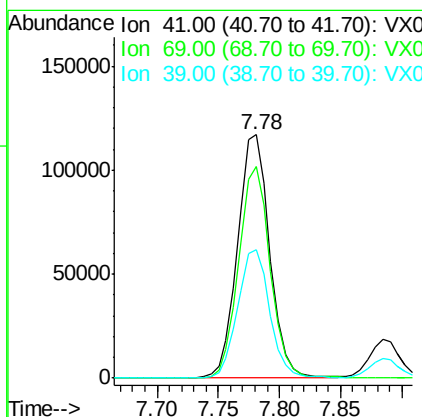
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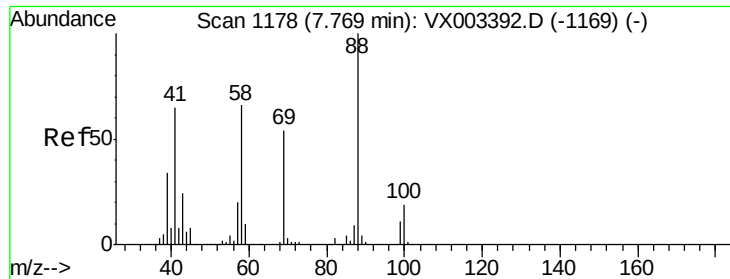
MMDadoda
 7/19/2018 1:04:11 PM



#48
 Methyl methacrylate
 Concen: 46.67 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.4	59.1	88.7
39	52.9	48.9	73.3





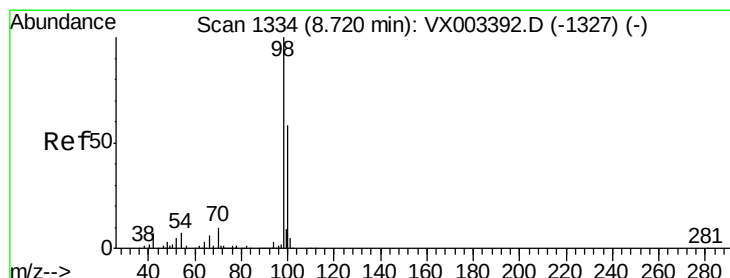
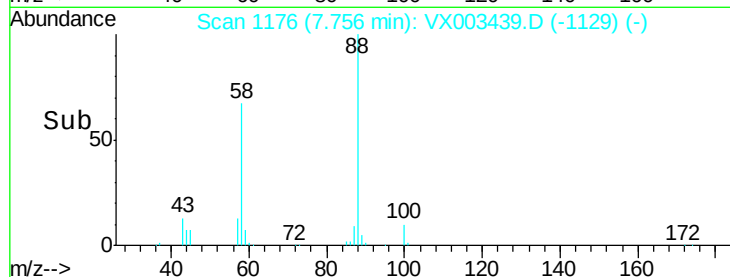
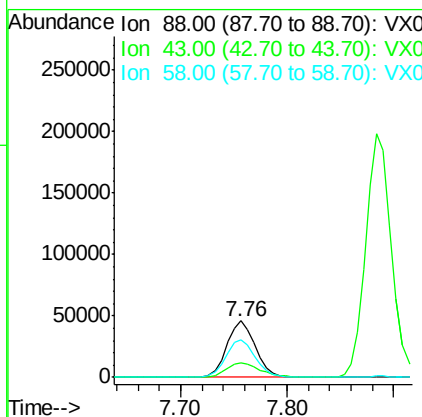
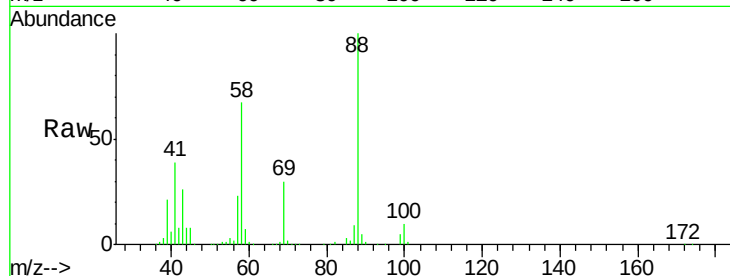
#49
1,4-Dioxane
Concen: 831.20 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	29.8	44.6
58	69.6	57.1	85.7

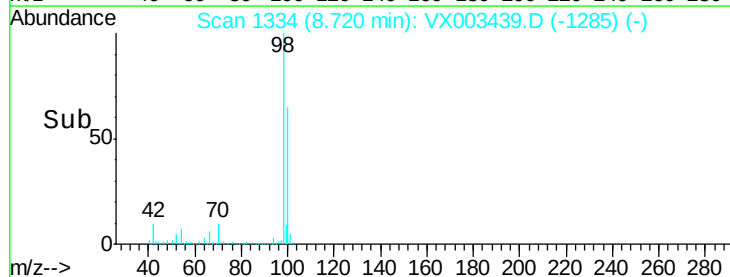
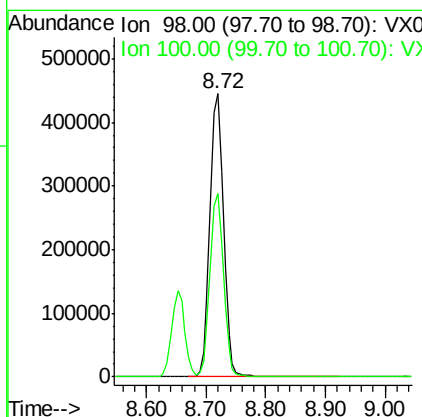
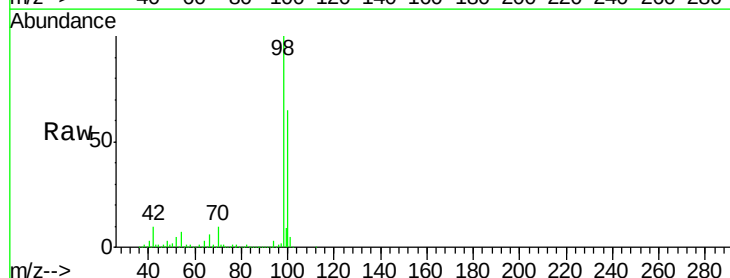
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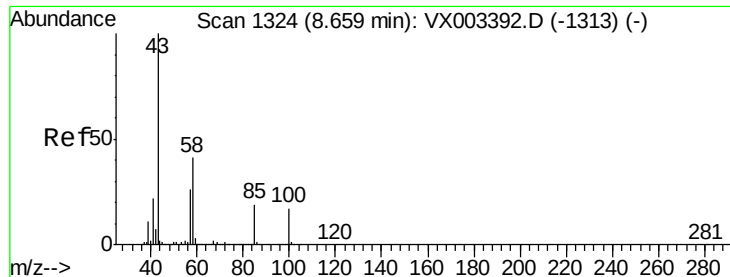
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#50
Toluene-d8
Concen: 45.13 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 224.07 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1311036

Ion Ratio Lower Upper

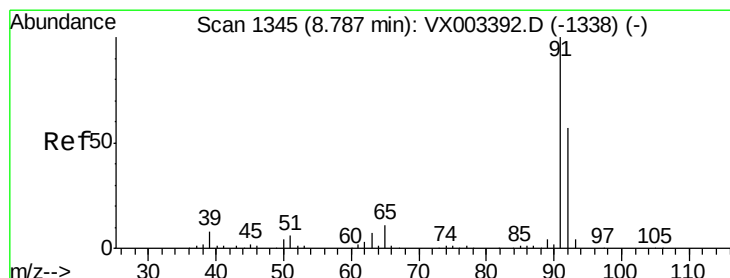
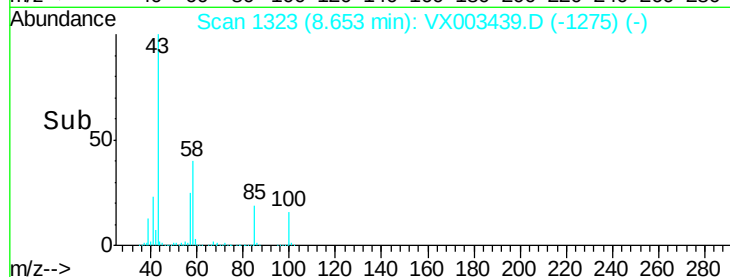
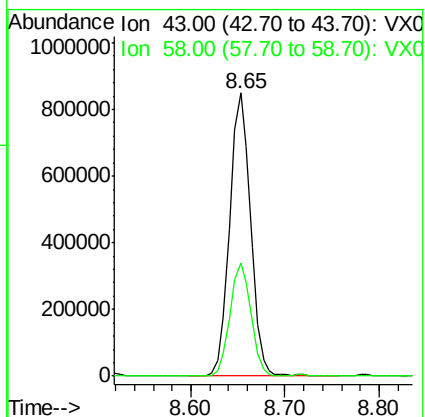
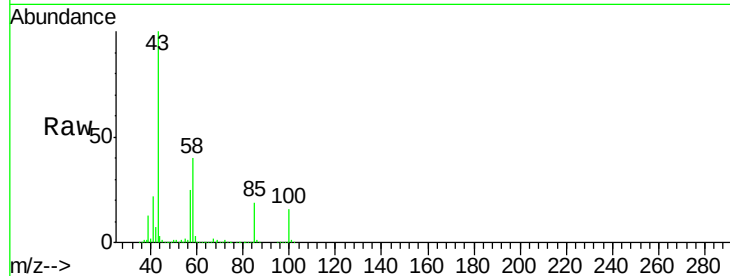
43 100

58 39.9 28.6 42.8

Manual Integrations
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#52

Toluene

Concen: 48.10 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003439.D

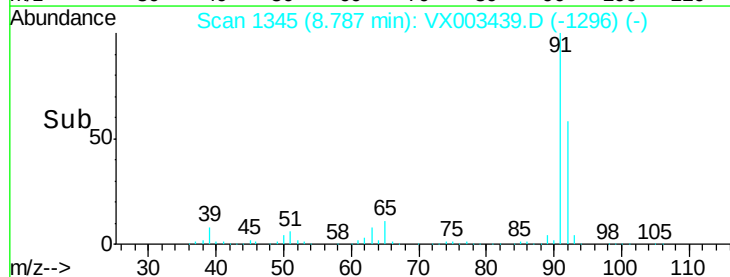
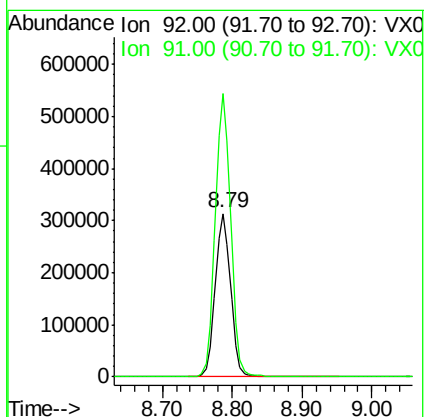
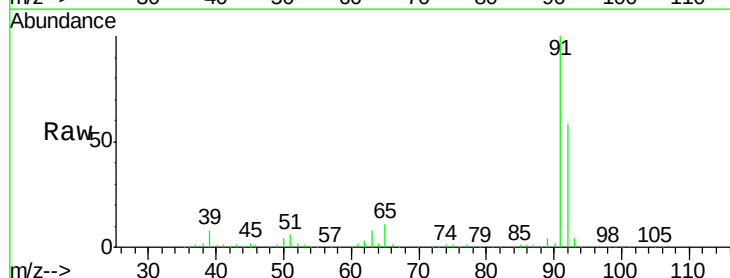
Acq: 18 Jul 2018 11:05

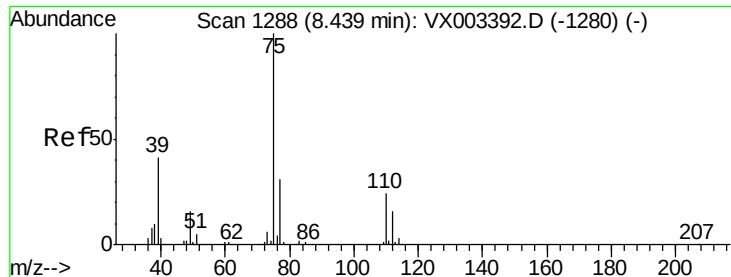
Tgt Ion: 92 Resp: 478837

Ion Ratio Lower Upper

92 100

91 174.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 51.13 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 304491

Ion Ratio Lower Upper

75 100

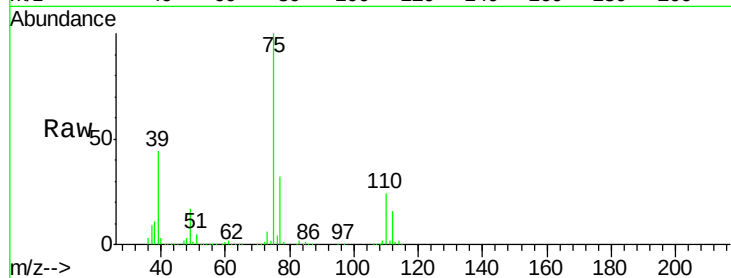
77 31.8 25.4 38.2

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

200000

150000

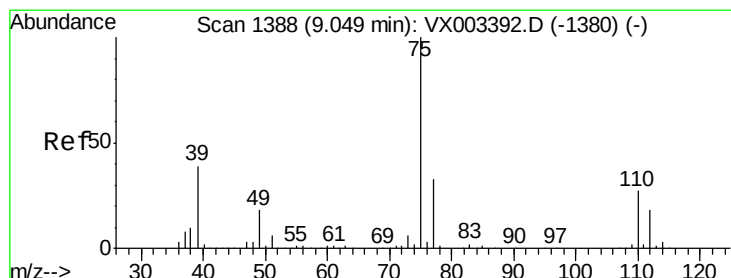
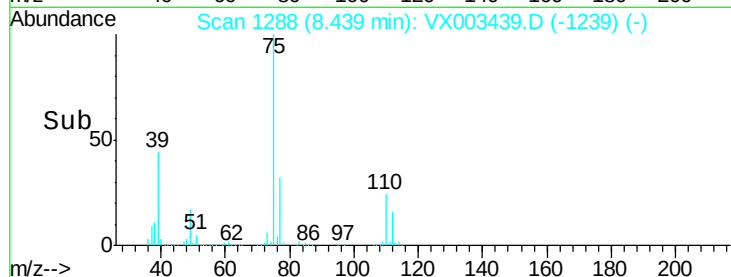
100000

50000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.95 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

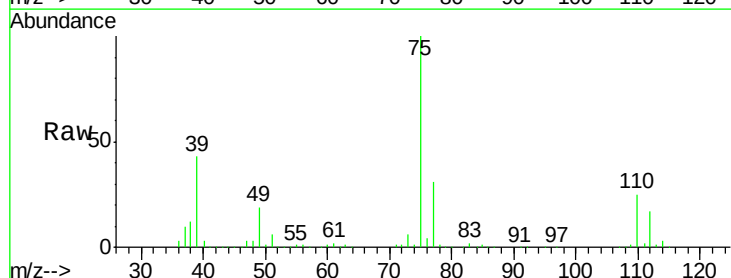
Tgt Ion: 75 Resp: 276920

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 43.1 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.04

250000

200000

150000

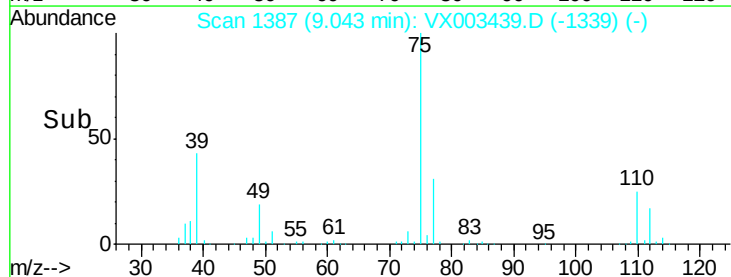
100000

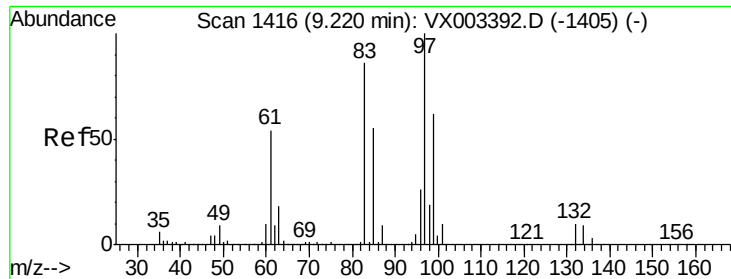
50000

0

9.00 9.10 9.20

Time-->





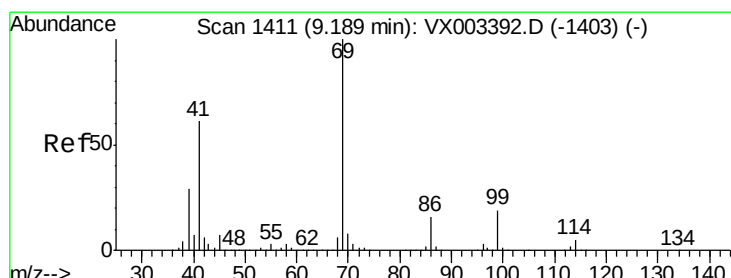
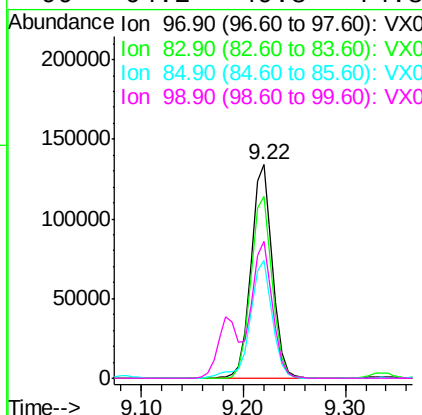
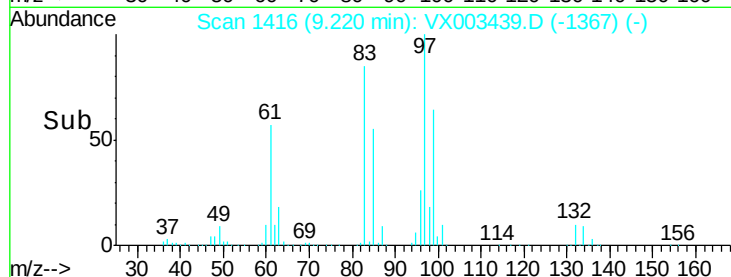
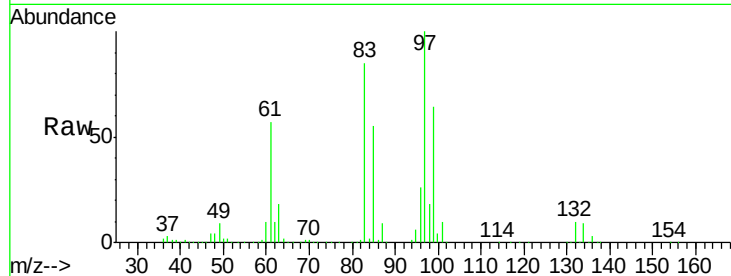
#55
 1,1,2-Trichloroethane
 Concen: 47.32 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	196814
Ion Ratio	Lower	Upper	
97	100		
83	85.1	70.2	105.2
85	55.1	44.9	67.3
99	64.2	49.8	74.8

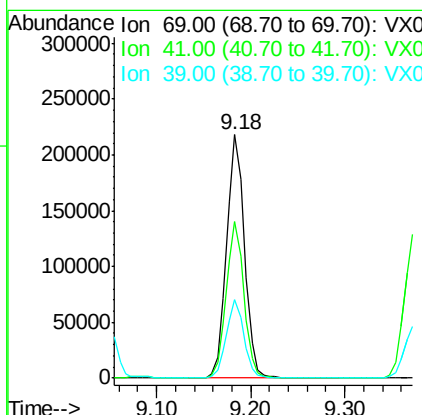
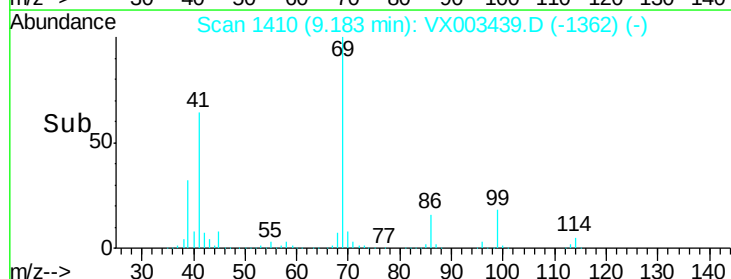
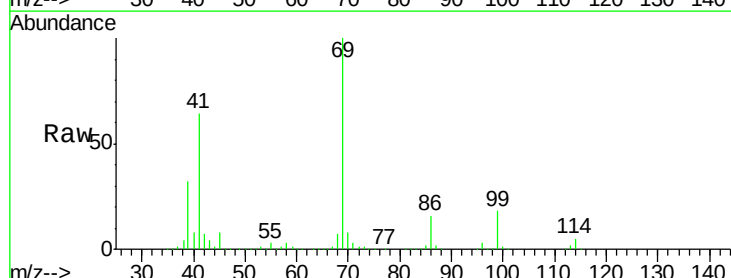
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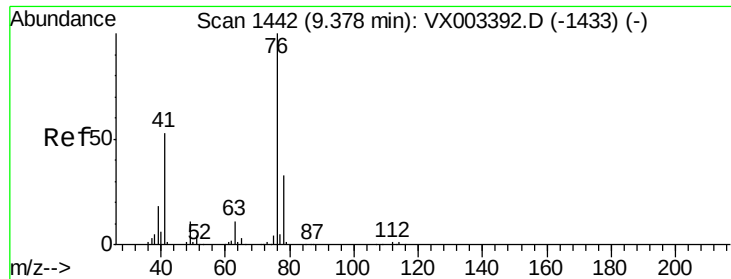
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#56
 Ethyl methacrylate
 Concen: 48.84 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Tgt Ion:	69	Resp:	287633
Ion Ratio	Lower	Upper	
69	100		
41	63.5	60.3	90.5
39	31.8	35.8	53.8#





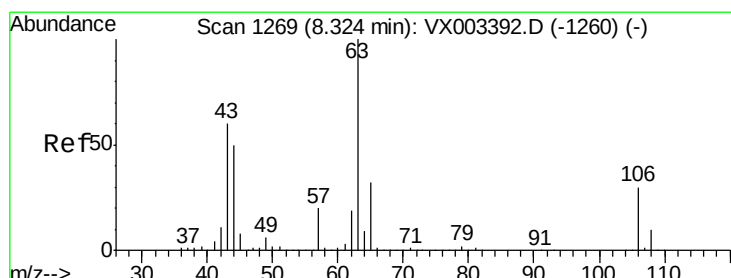
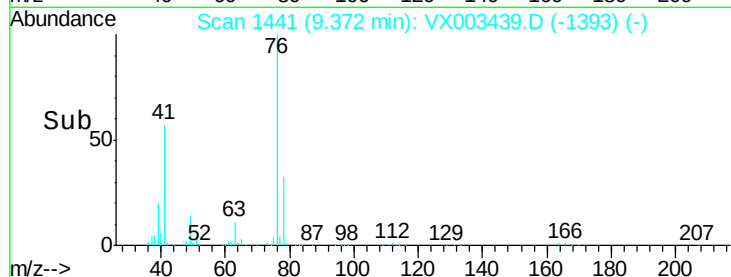
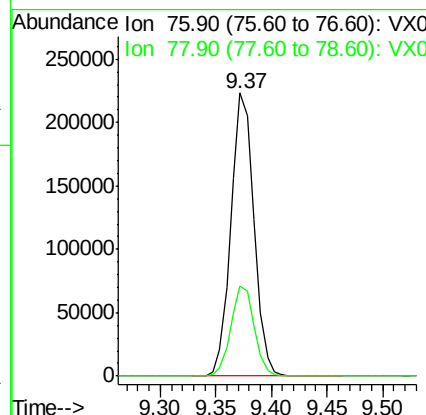
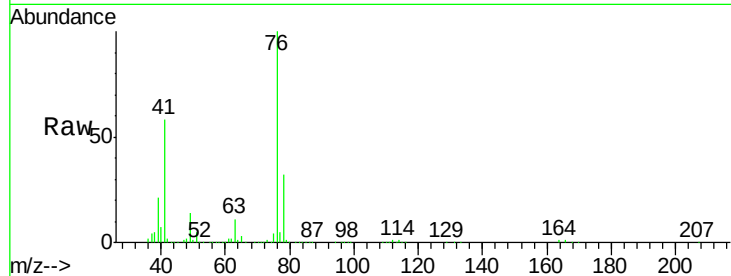
#57
 1,3-Dichloropropane
 Concen: 47.94 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 320400
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6

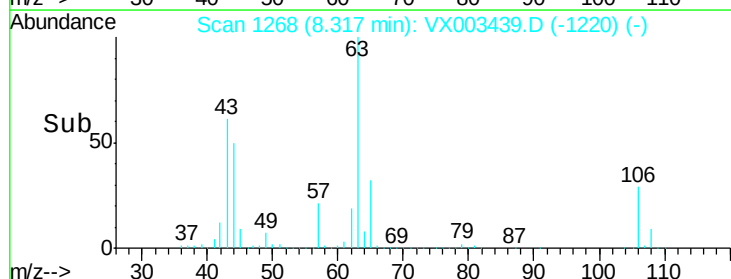
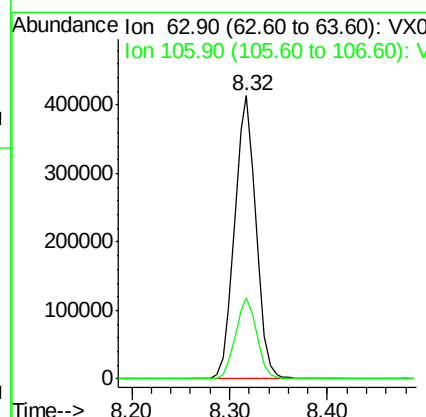
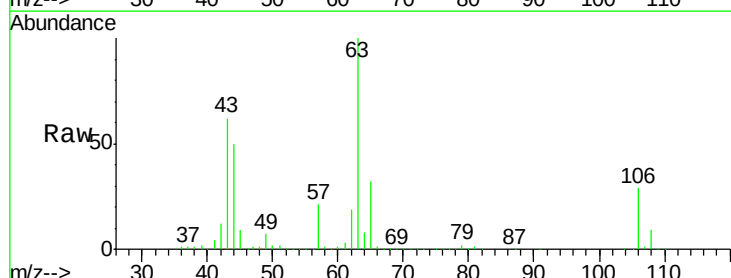
Manual Integrations
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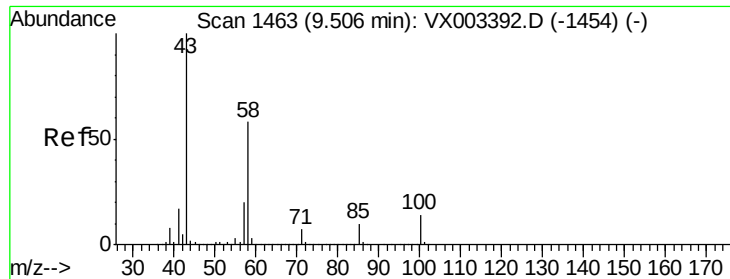
MMDadoda
 7/19/2018 1:04:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 212.10 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Tgt Ion: 63 Resp: 626391
 Ion Ratio Lower Upper
 63 100
 106 28.5 21.8 32.8





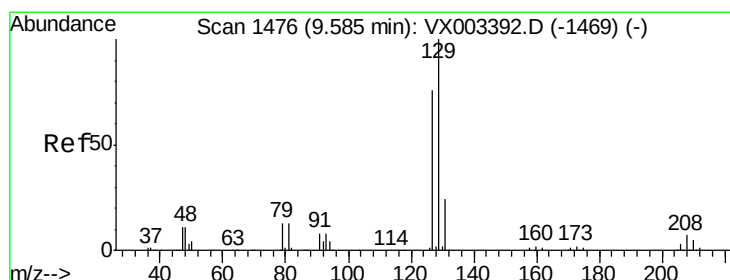
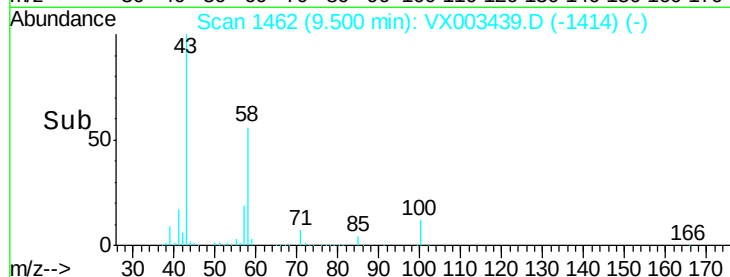
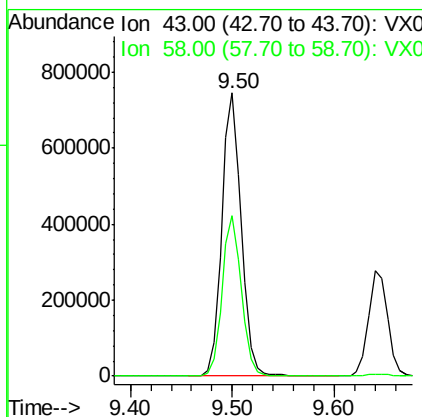
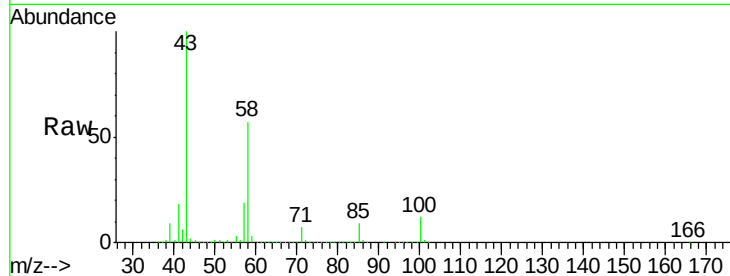
#59
2-Hexanone
Concen: 219.66 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 987489
Ion Ratio Lower Upper
43 100
58 56.2 24.6 73.6

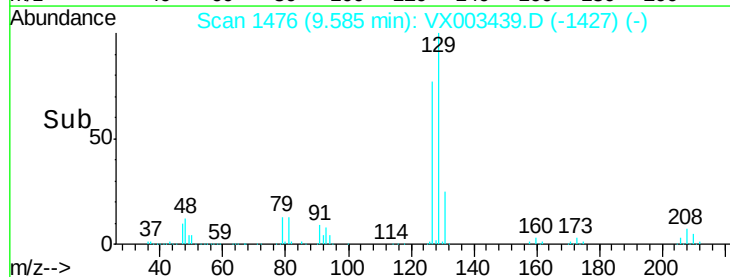
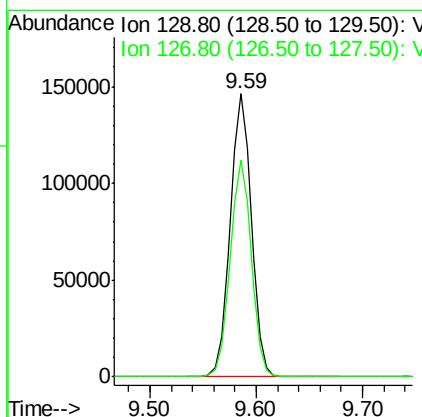
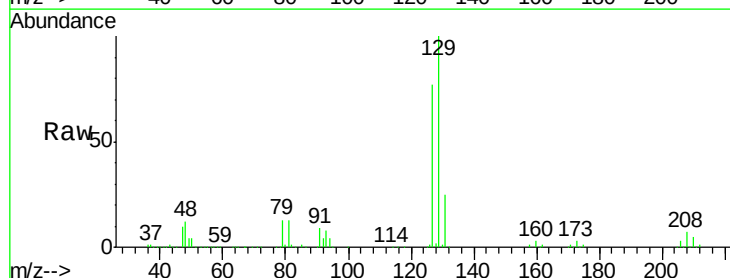
Manual Integrations
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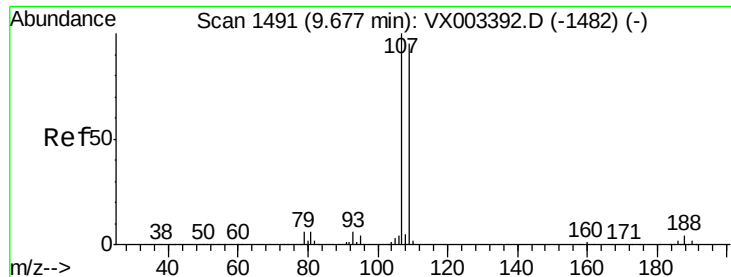
MMDadoda
7/19/2018 1:04:11 PM



#60
Dibromochloromethane
Concen: 49.61 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion: 129 Resp: 205021
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 47.27 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 202665

Ion Ratio Lower Upper

107 100

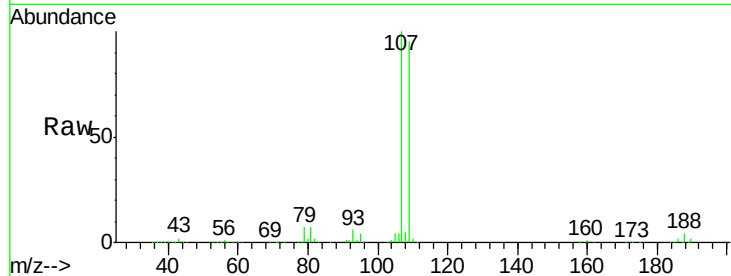
109 94.2 75.3 112.9

Manual Integrations

APPROVED

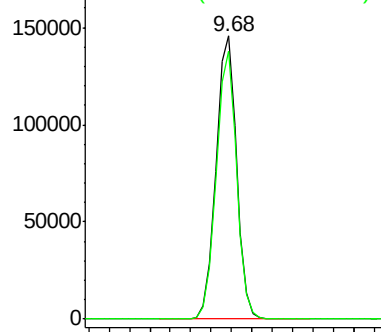
MMDadoda

7/19/2018 1:04:11 PM

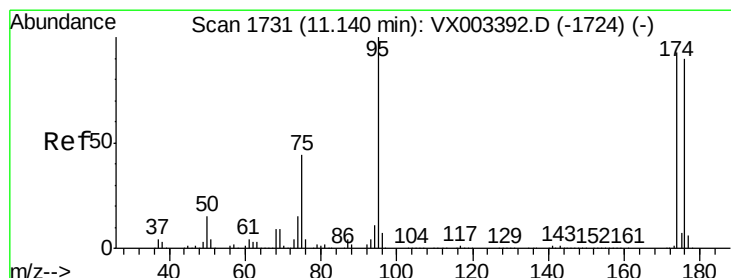
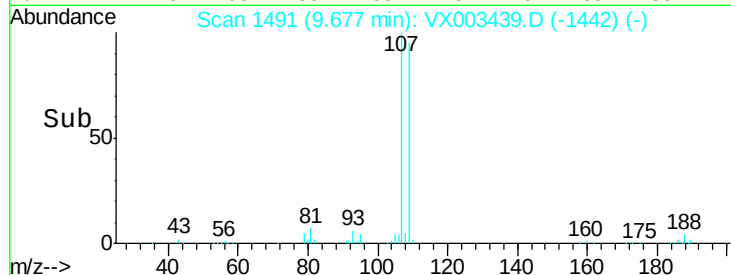


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.88 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

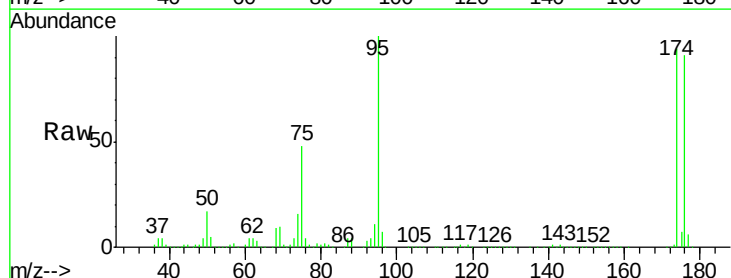
Tgt Ion: 95 Resp: 257926

Ion Ratio Lower Upper

95 100

174 94.9 0.0 187.4

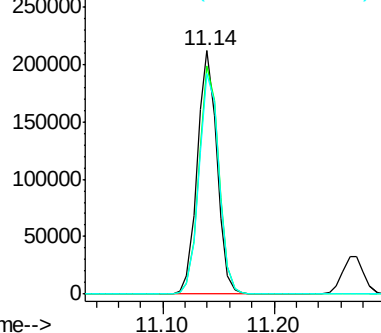
176 92.6 0.0 181.0



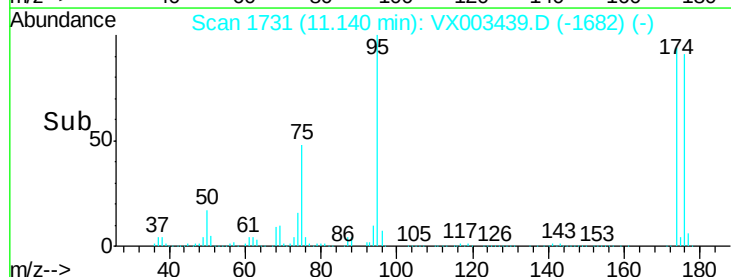
Abundance Ion 94.90 (94.60 to 95.60): VX0

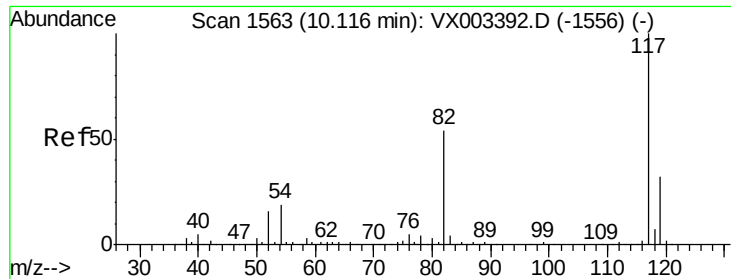
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





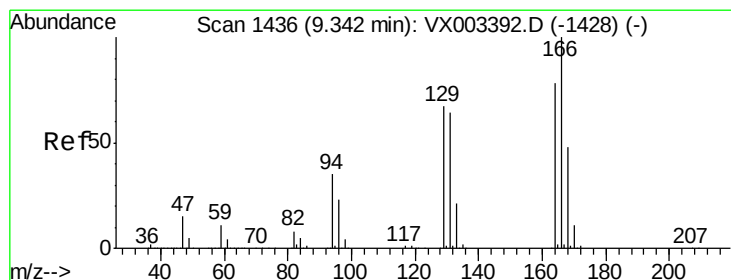
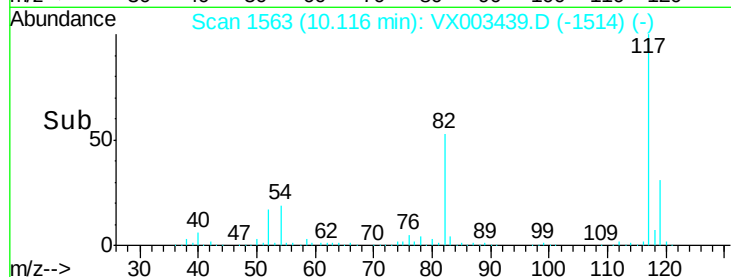
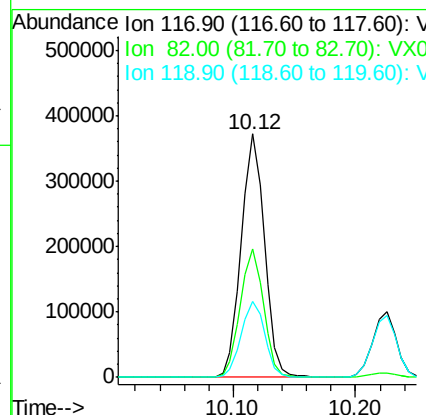
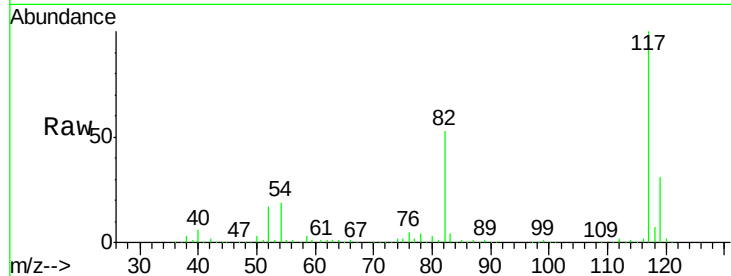
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.0	67.4
119	31.4	25.8	38.6

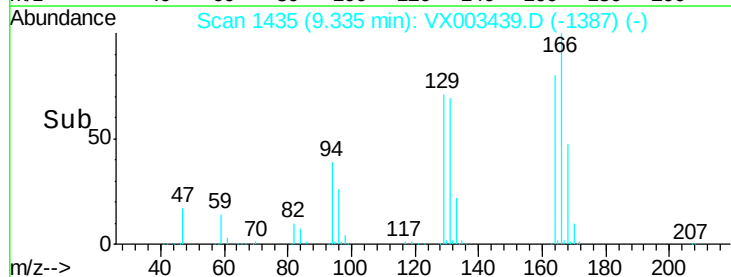
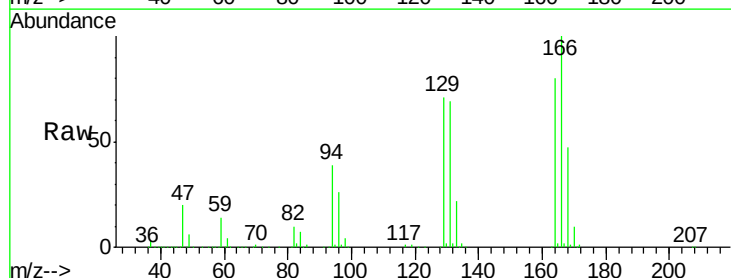
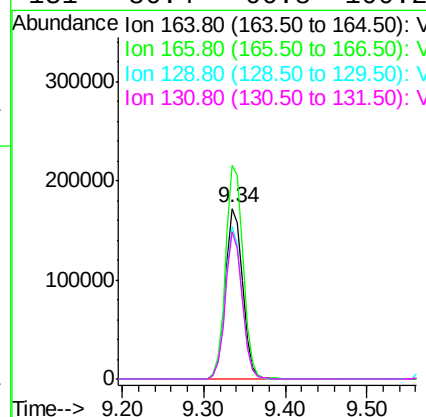
Manual Integrations
APPROVED

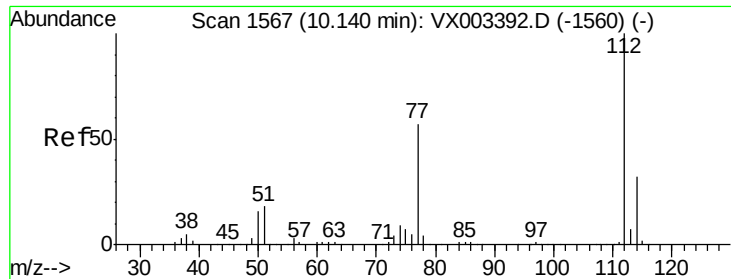
MMDadoda
7/19/2018 1:04:11 PM



#64
Tetrachloroethene
Concen: 49.27 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	102.9	154.3
129	89.0	68.6	102.8
131	86.4	66.8	100.2





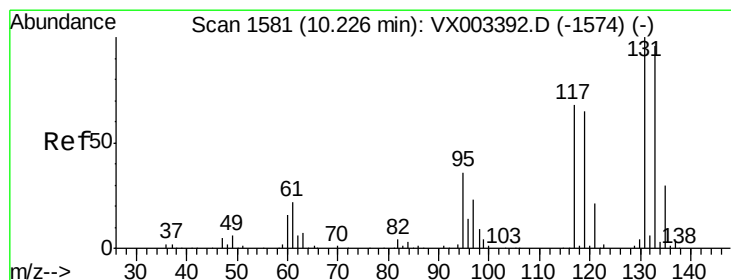
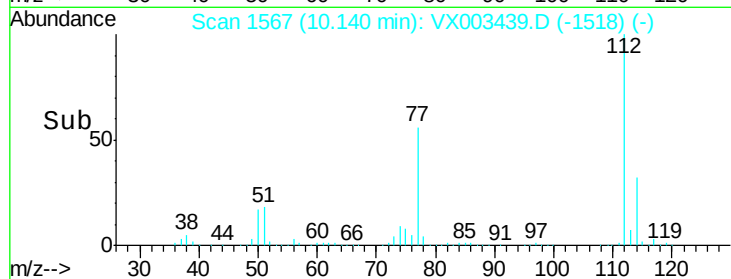
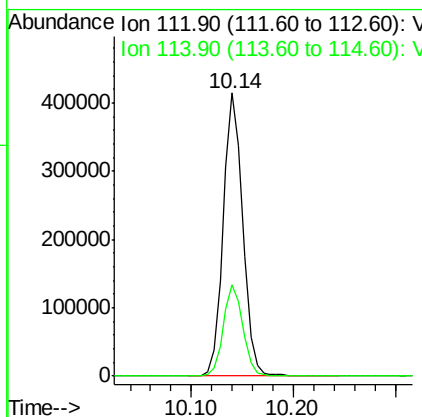
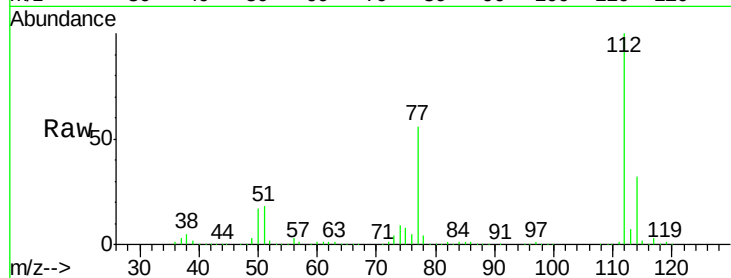
#65
Chlorobenzene
Concen: 47.81 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 551651
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

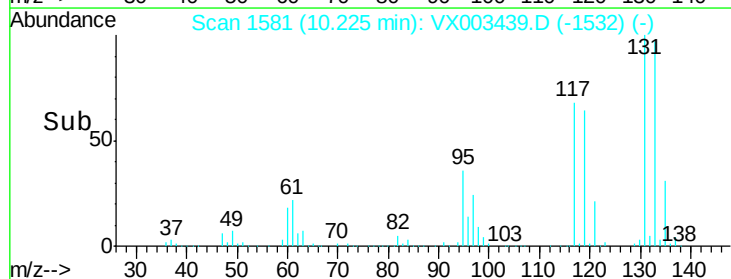
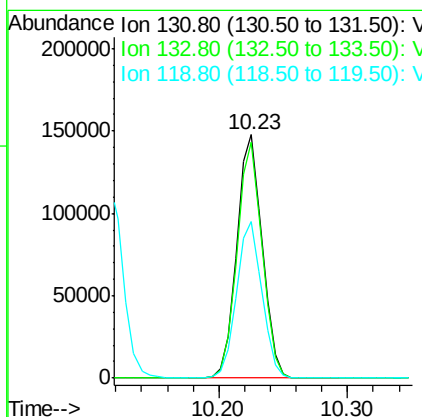
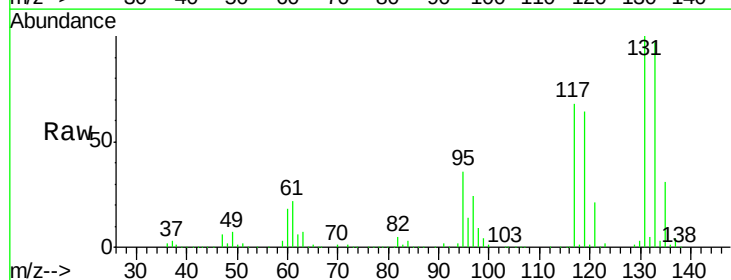
Manual Integrations
APPROVED

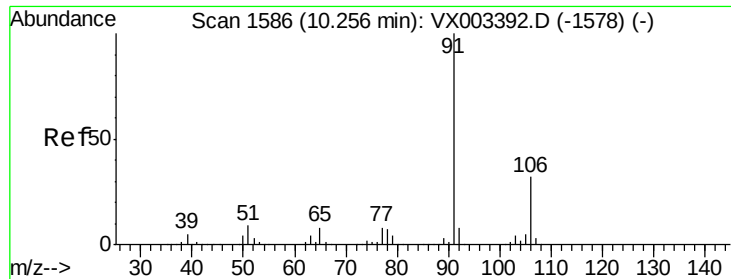
MMDadoda
7/19/2018 1:04:11 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.06 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion:131 Resp: 201227
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 64.6 31.8 95.3





#67

Ethyl Benzene

Concen: 49.61 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 935673

Ion Ratio Lower Upper

91 100

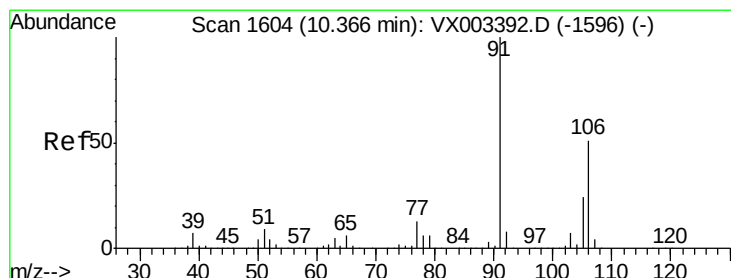
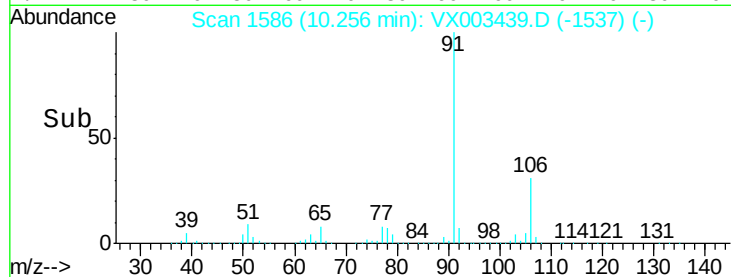
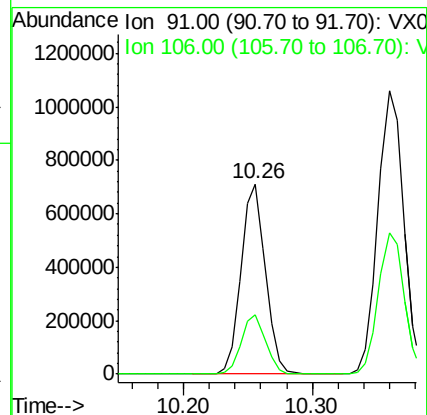
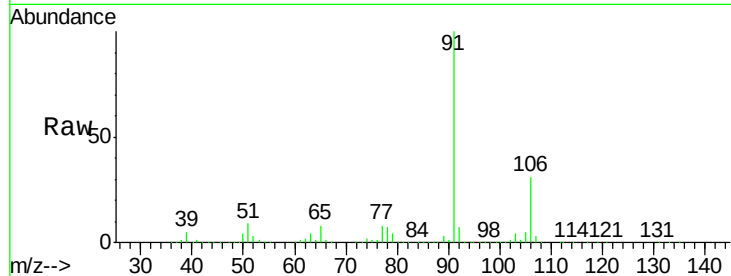
106 31.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 100.22 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX003439.D

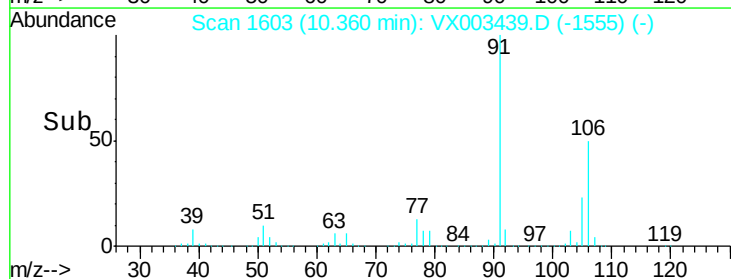
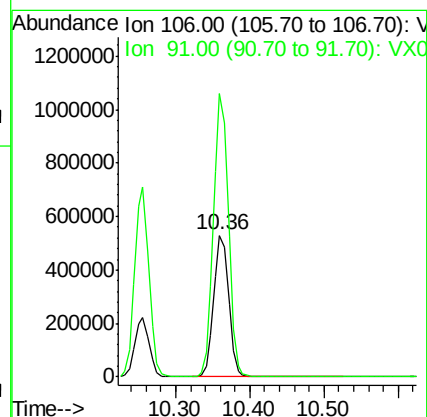
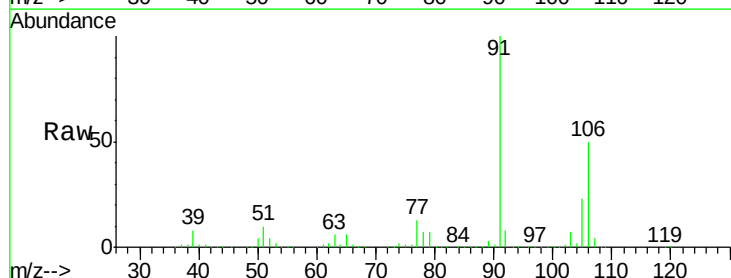
Acq: 18 Jul 2018 11:05

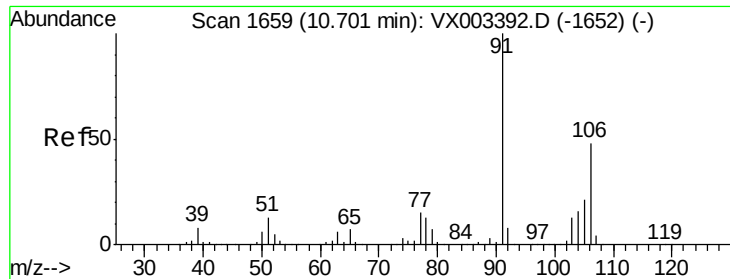
Tgt Ion: 106 Resp: 731123

Ion Ratio Lower Upper

106 100

91 199.6 163.4 245.2





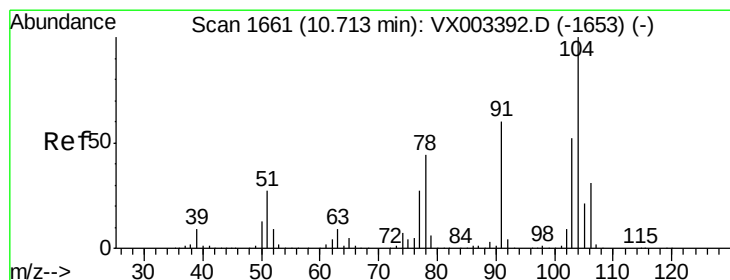
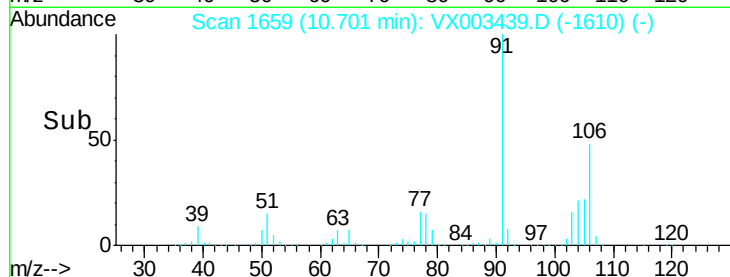
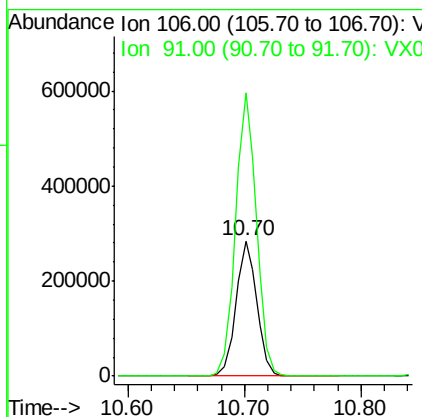
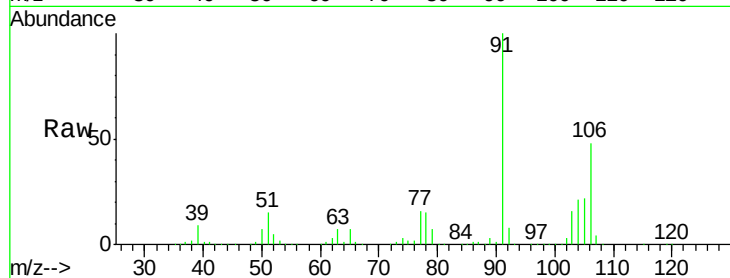
#69
o-Xylene
Concen: 50.35 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	108.2	324.6

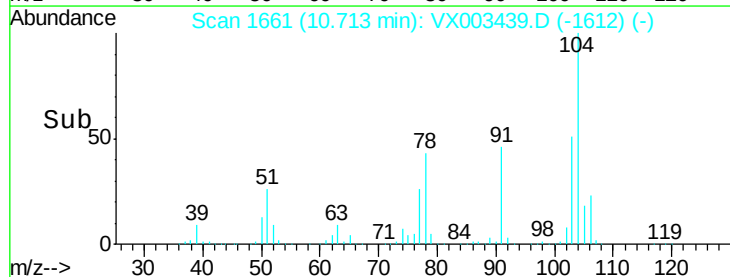
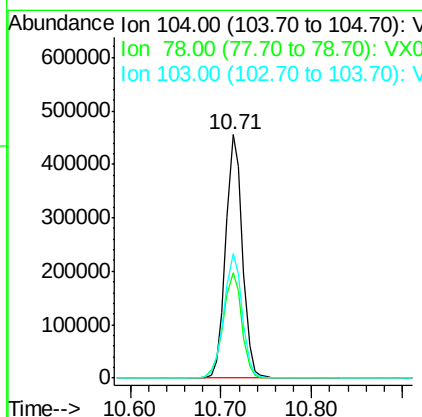
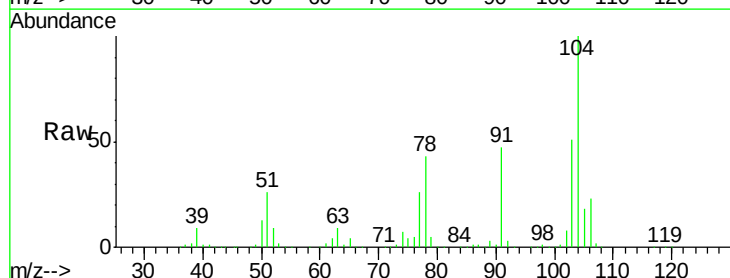
Manual Integrations
APPROVED

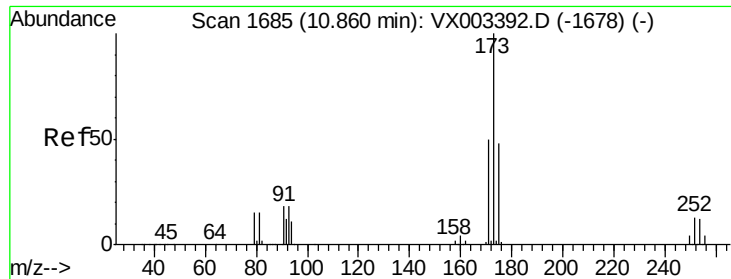
MMDadoda
7/19/2018 1:04:11 PM



#70
Styrene
Concen: 50.62 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	41.0	61.6
103	55.9	44.2	66.4





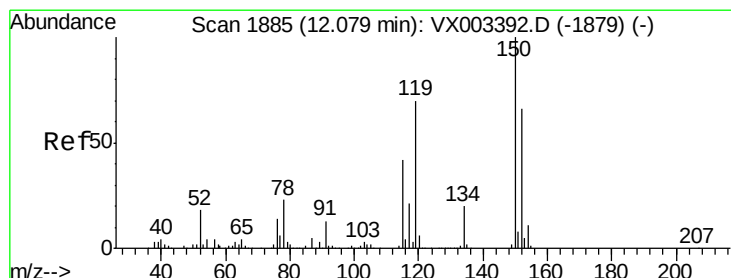
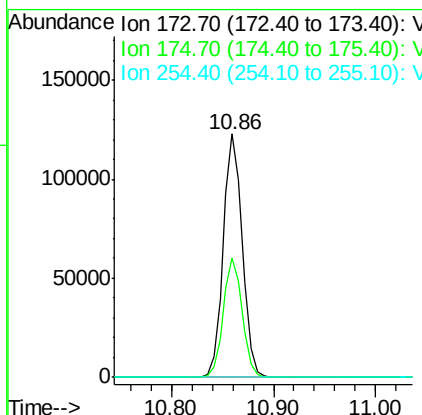
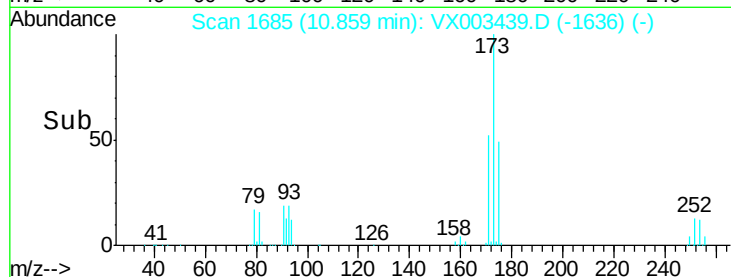
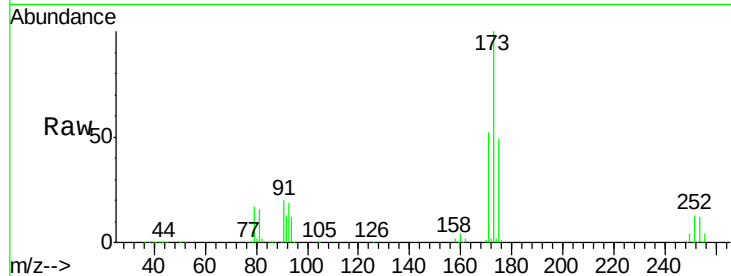
#71
Bromoform
Concen: 48.19 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.2	0.2	0.2

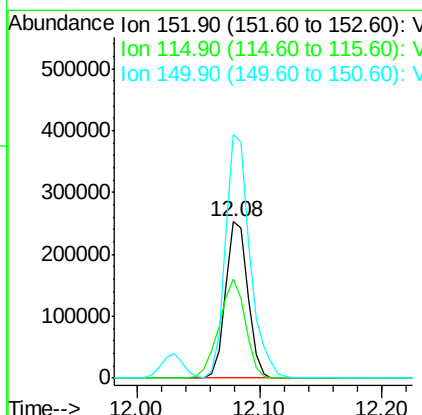
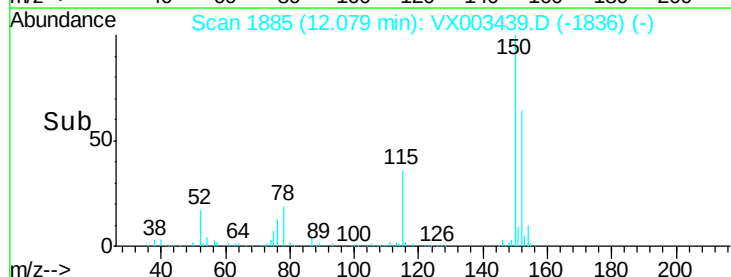
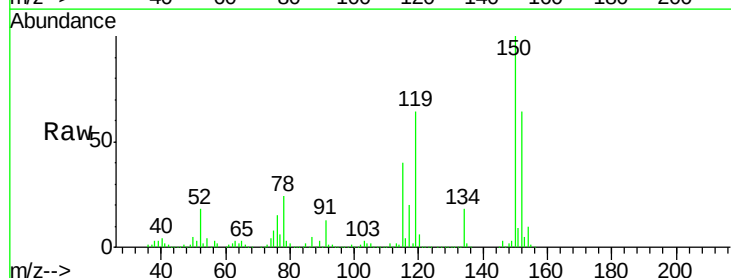
Manual Integrations
APPROVED

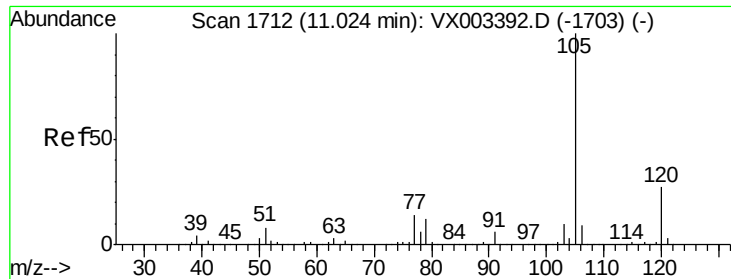
MMDadoda
7/19/2018 1:04:11 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.9	40.1	120.2
150	171.3	0.0	347.2





#73

Isopropylbenzene

Concen: 47.01 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 953932

Ion Ratio Lower Upper

105 100

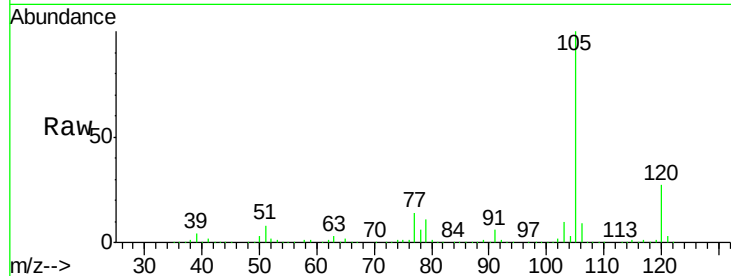
120 27.1 13.5 40.4

Manual Integrations

APPROVED

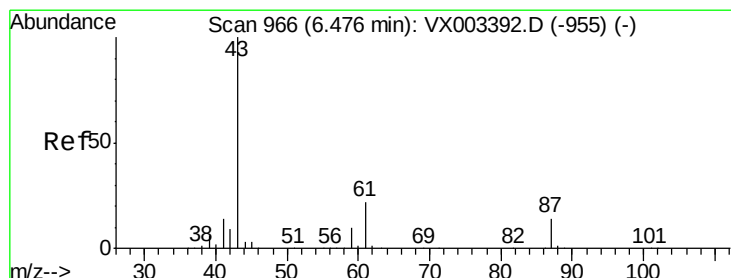
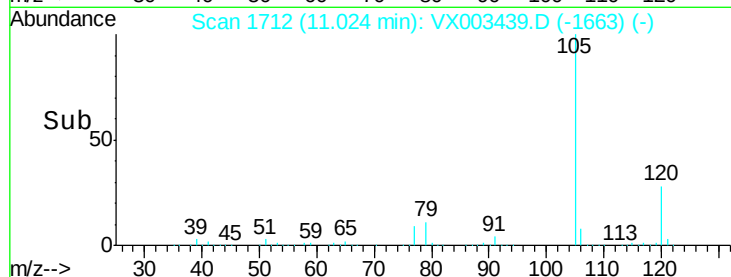
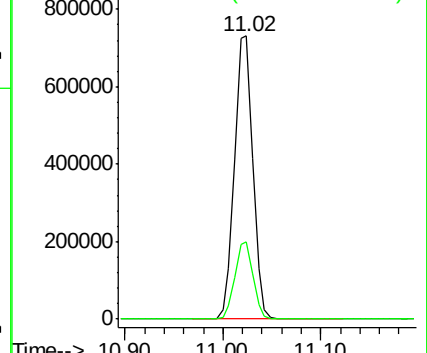
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 40.97 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Tgt Ion: 43 Resp: 399731

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

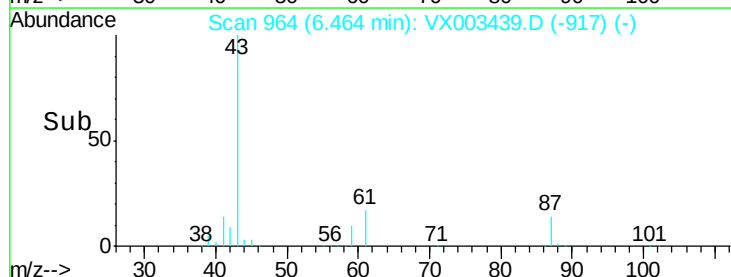
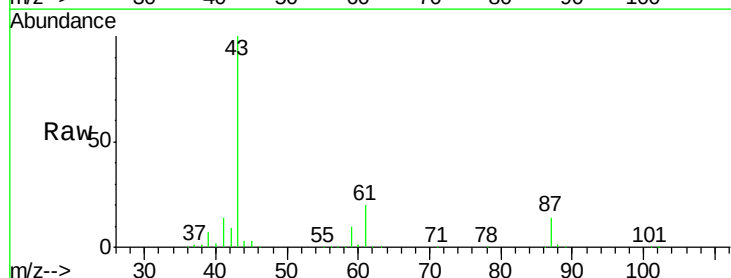
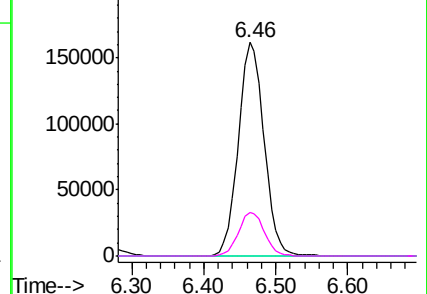
61 20.7 14.4 21.6

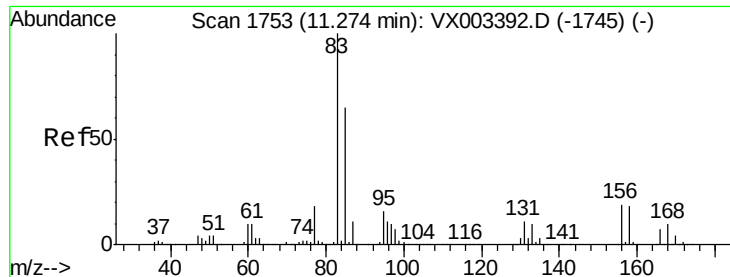
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 41.90 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 280618
Ion Ratio Lower Upper

83 100

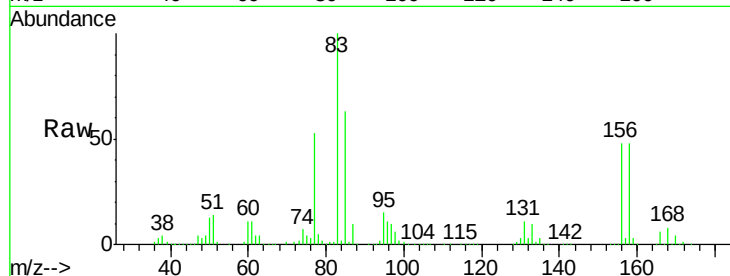
131 11.0 5.6 16.8

85 63.8 32.4 97.2

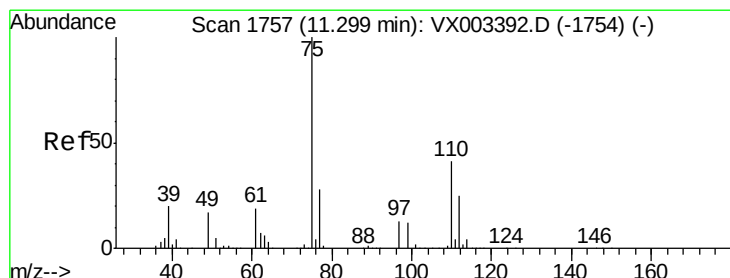
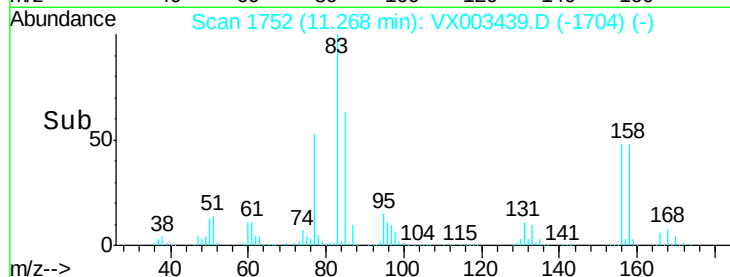
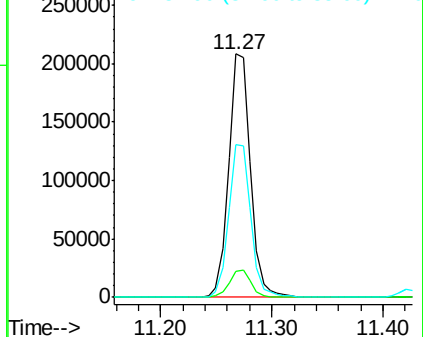
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 43.96 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

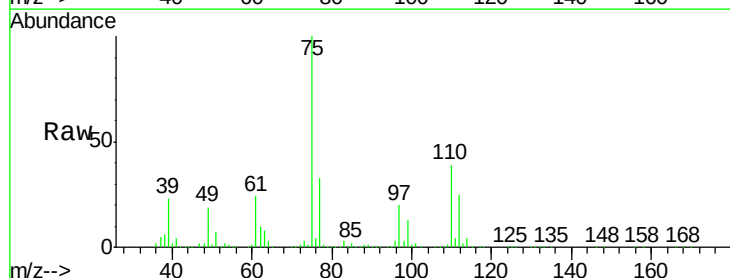
Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

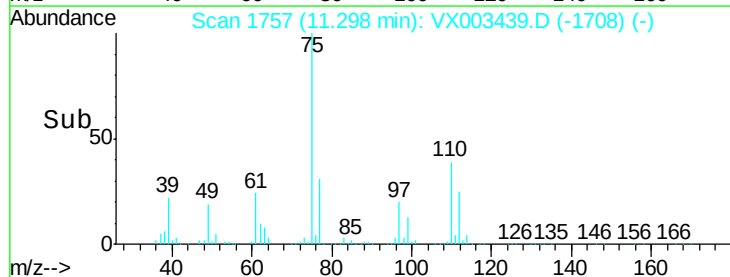
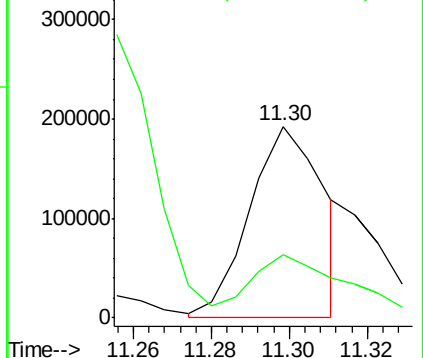
Tgt Ion: 75 Resp: 252197
Ion Ratio Lower Upper

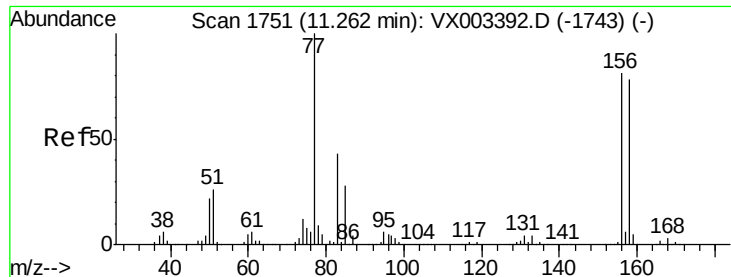
75 100

77 43.1 22.8 68.3



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





#77

Bromobenzene

Concen: 44.91 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

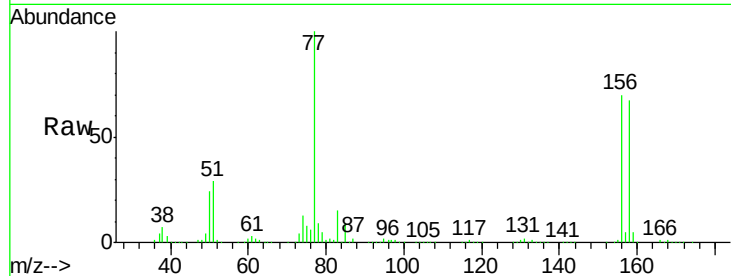
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	139.7	71.4	214.2
158	98.1	48.9	146.6

Manual Integrations
APPROVED

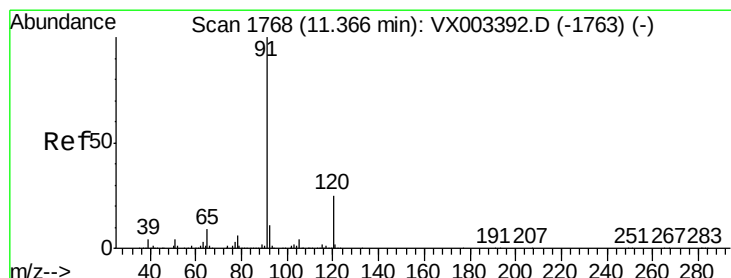
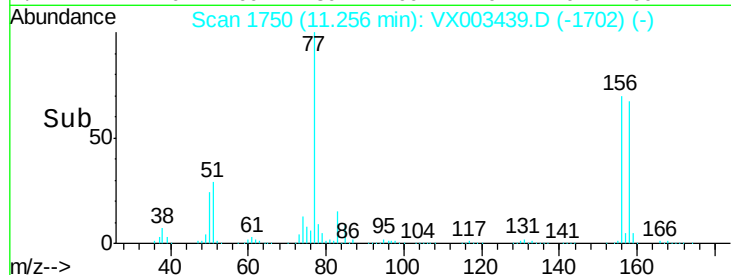
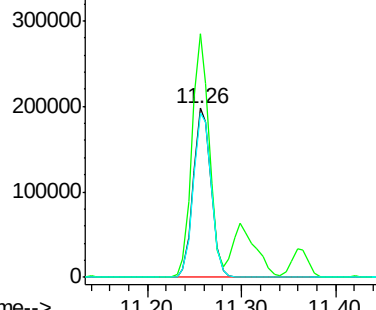
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.41 ug/l

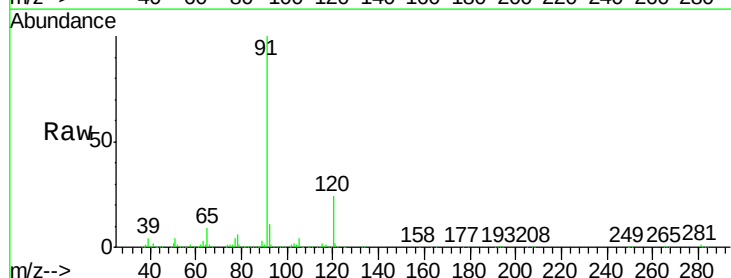
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003439.D

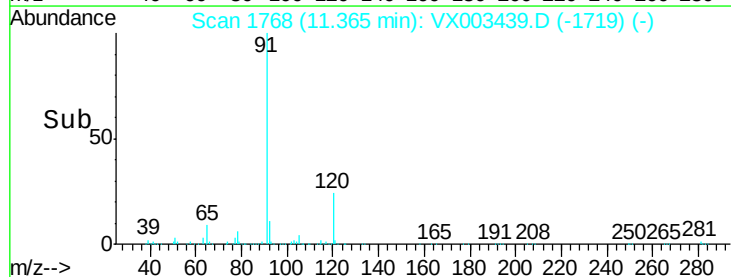
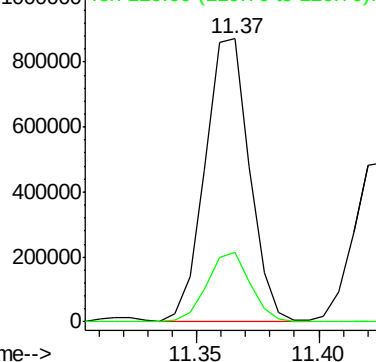
Acq: 18 Jul 2018 11:05

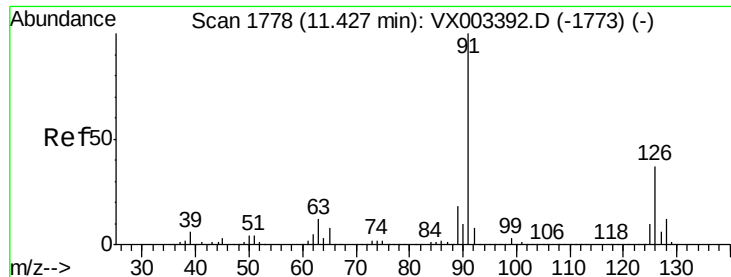
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.04 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 639822

Ion Ratio Lower Upper

91 100

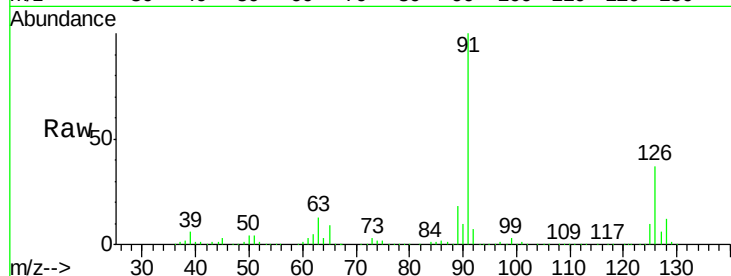
126 35.9 17.7 53.1

Manual Integrations

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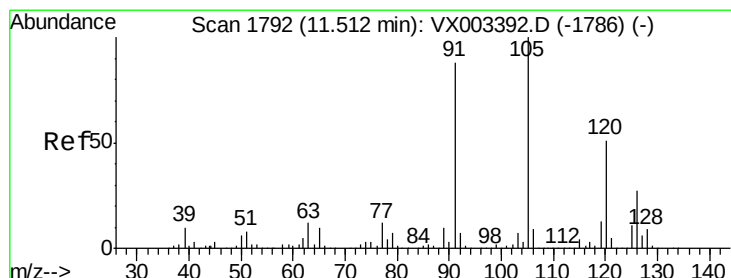
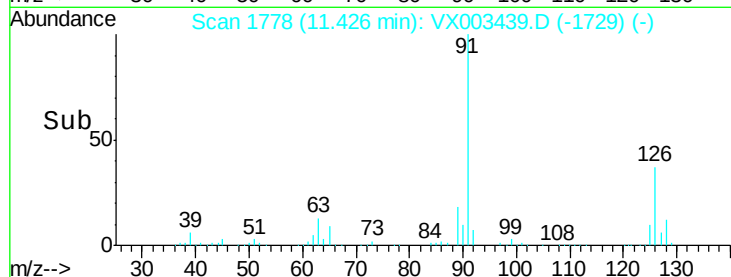
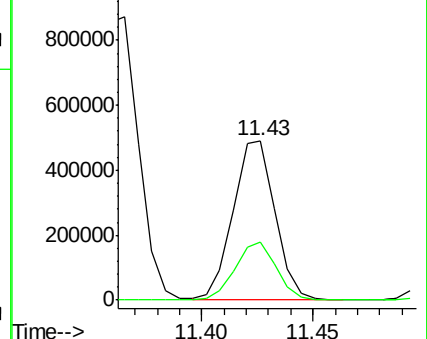
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.23 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003439.D

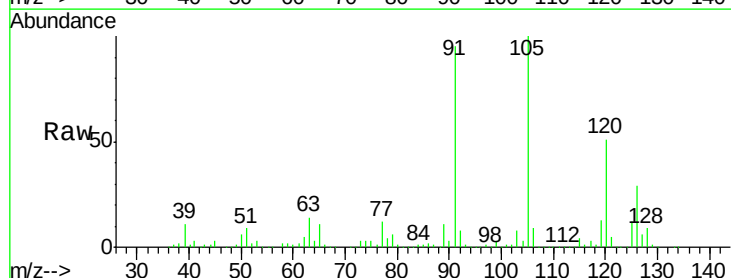
Acq: 18 Jul 2018 11:05

Tgt Ion:105 Resp: 799418

Ion Ratio Lower Upper

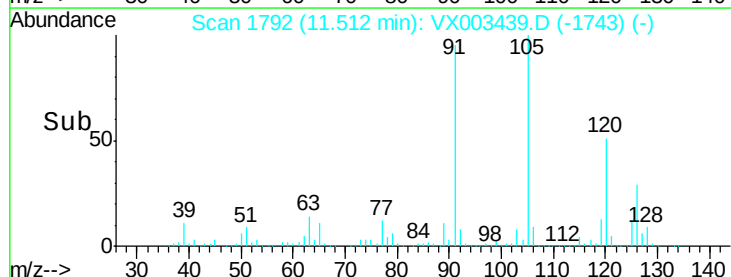
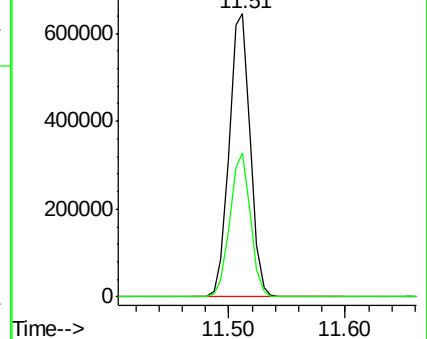
105 100

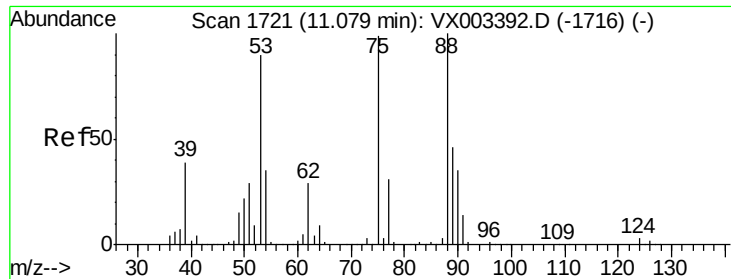
120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





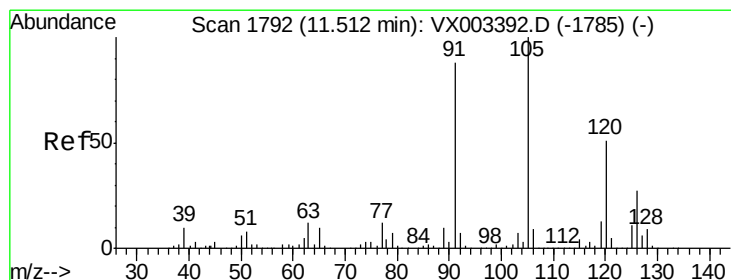
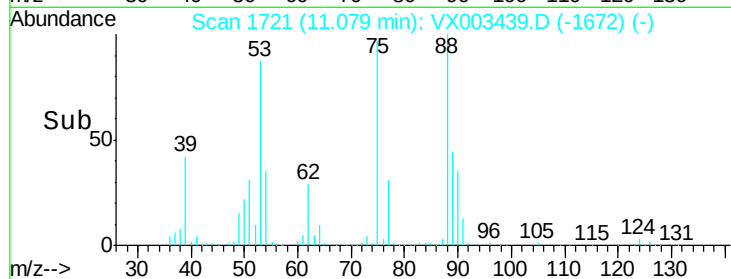
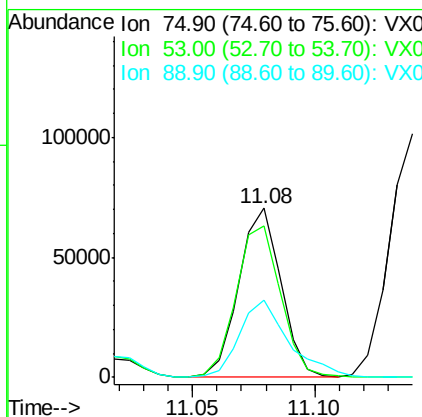
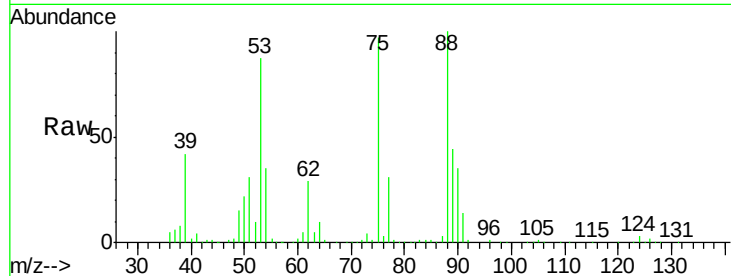
#81
trans-1,4-Dichloro-2-butene
Concen: 47.85 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	86.8	130.2
89	53.9	38.2	57.2

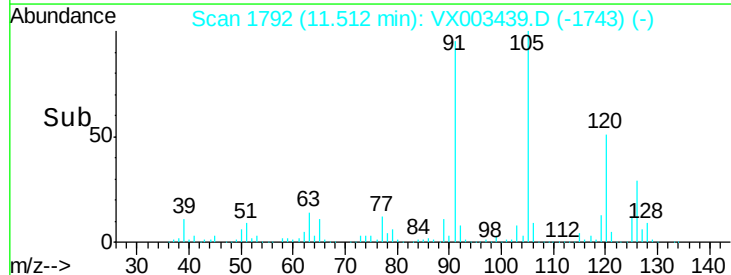
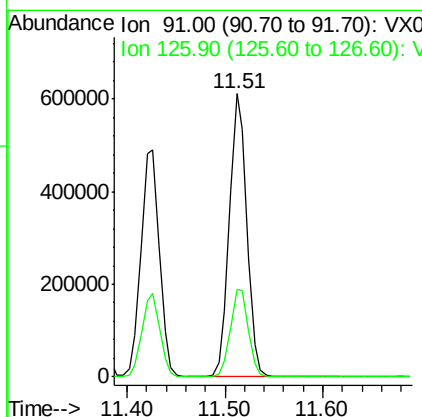
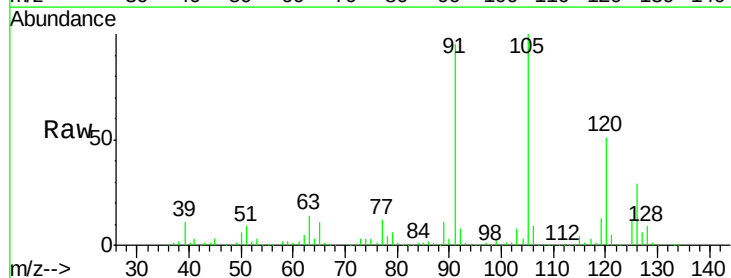
Manual Integrations
APPROVED

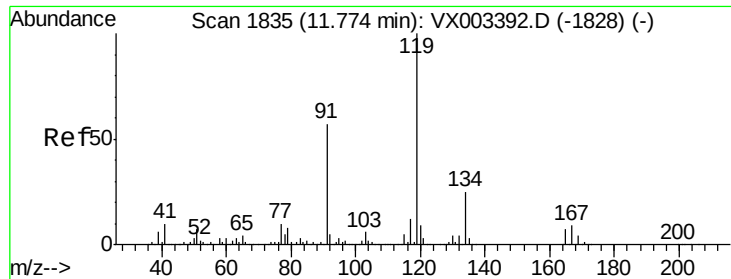
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#82
4-Chlorotoluene
Concen: 46.79 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.4	46.4





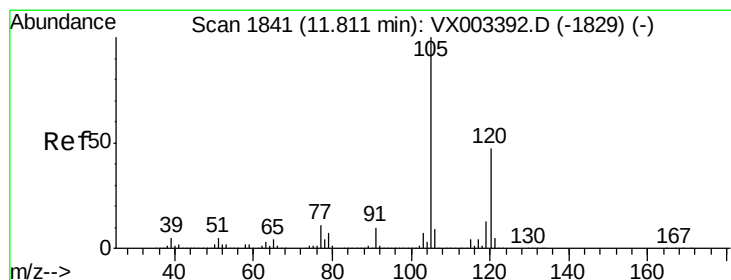
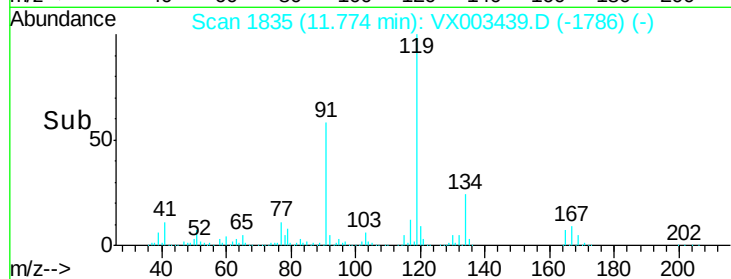
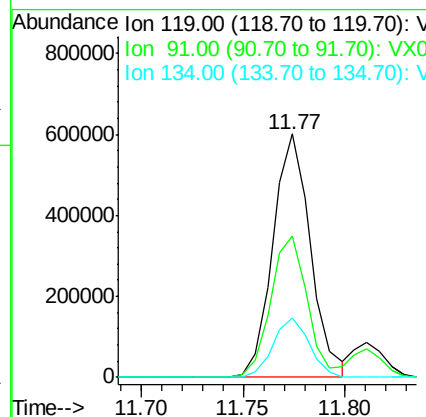
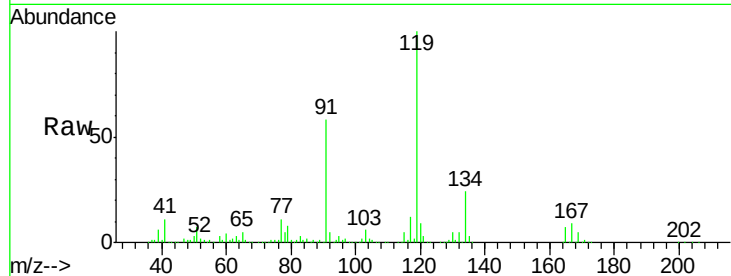
#83
 tert-Butylbenzene
 Concen: 47.67 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.9	30.3	90.9
134	23.7	11.7	35.1

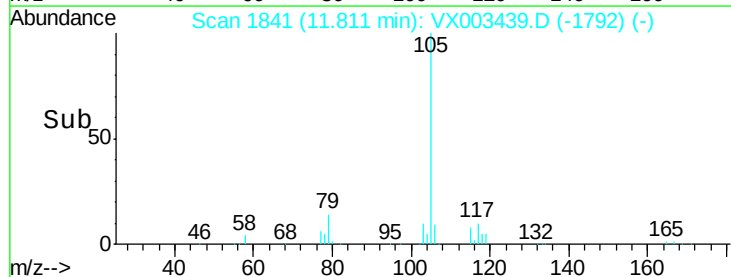
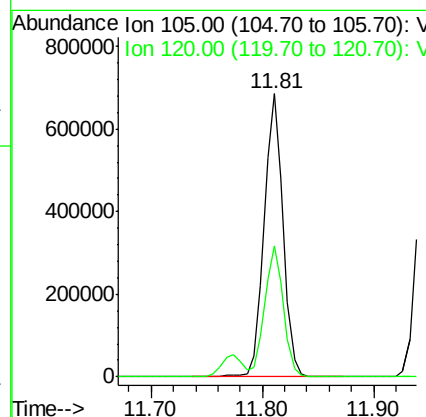
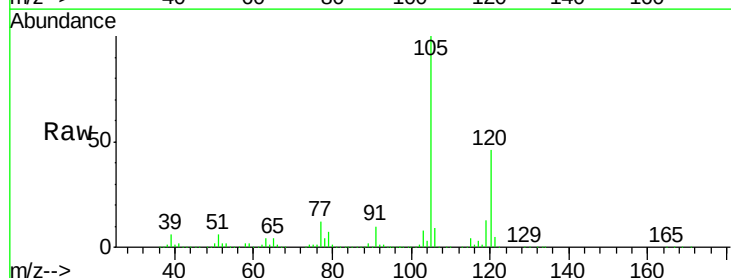
Manual Integrations
 APPROVED

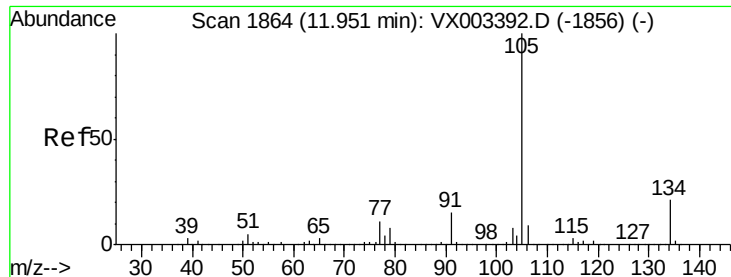
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.79 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 48.48 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 952658

Ion Ratio Lower Upper

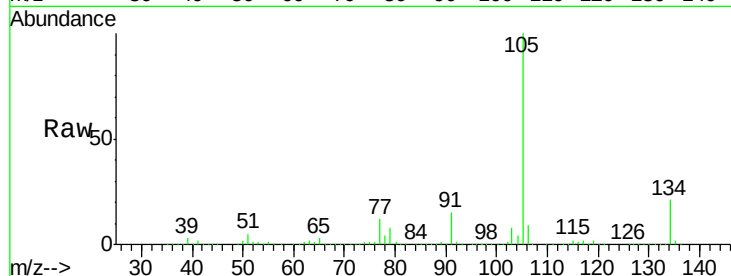
105 100

134 20.8 10.4 31.1

Manual Integrations
APPROVED

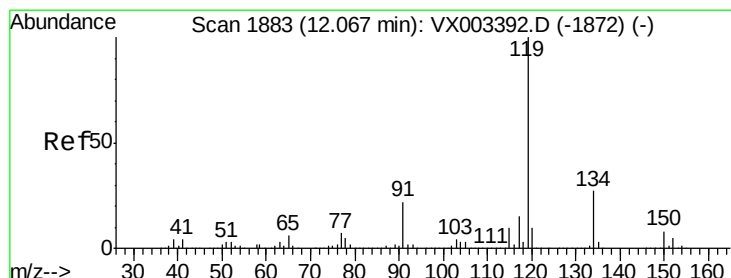
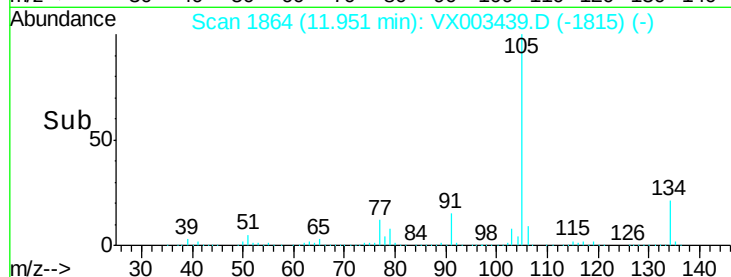
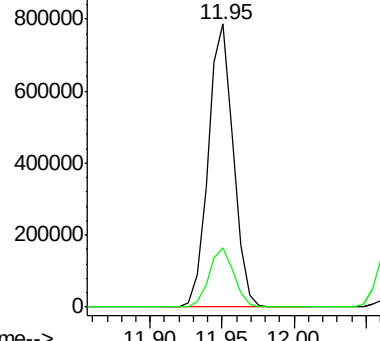
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.57 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

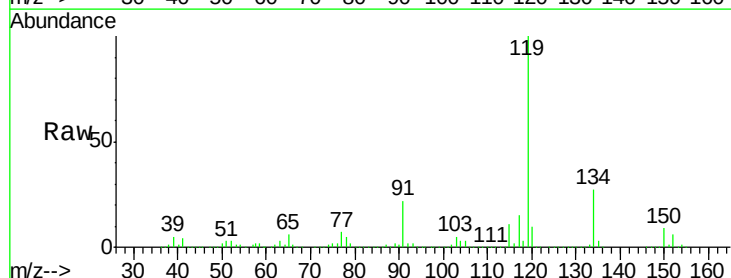
Tgt Ion:119 Resp: 902072

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

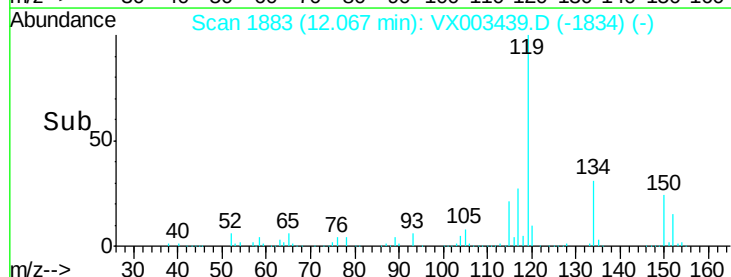
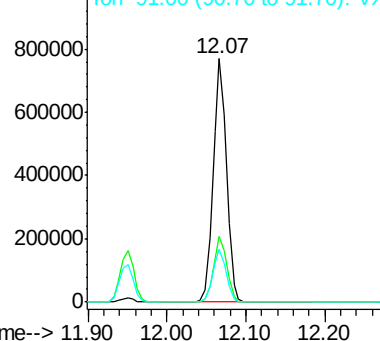
91 21.7 11.9 35.7

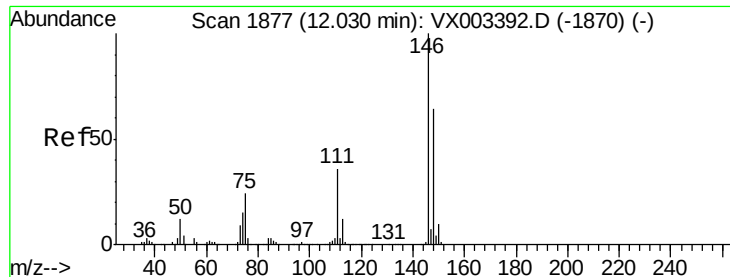


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





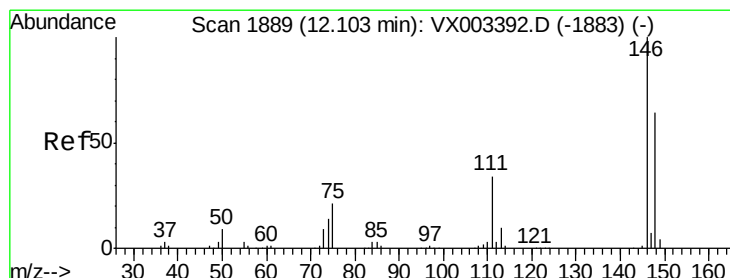
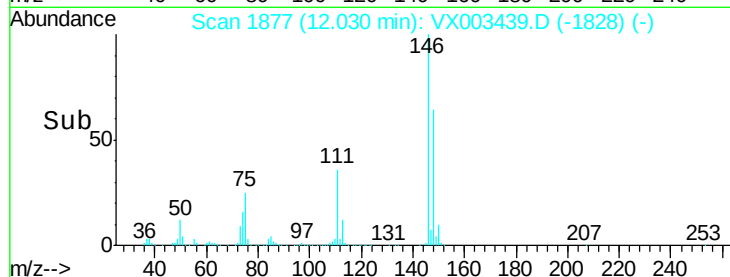
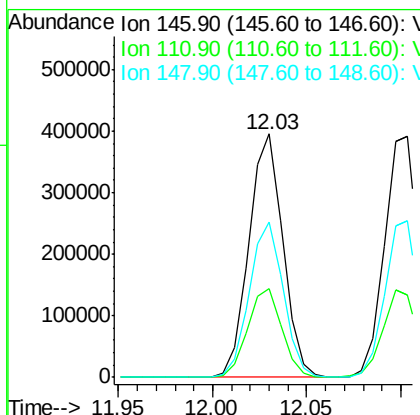
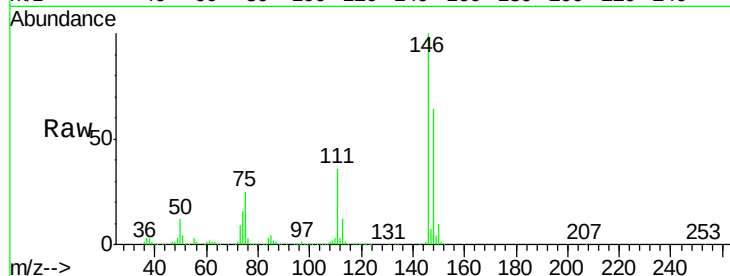
#87
 1,3-Dichlorobenzene
 Concen: 46.85 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.7
148	63.9	32.1	96.3

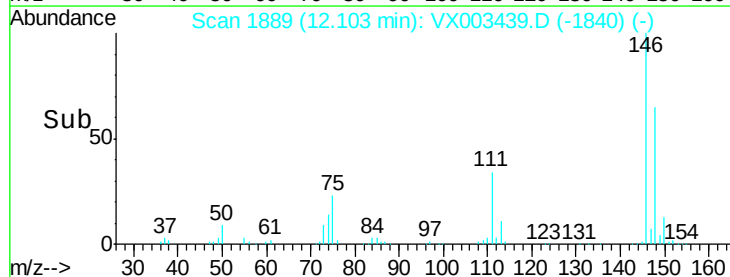
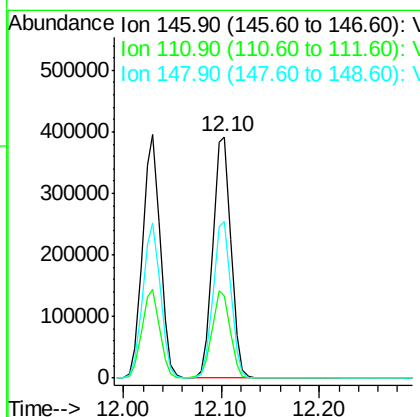
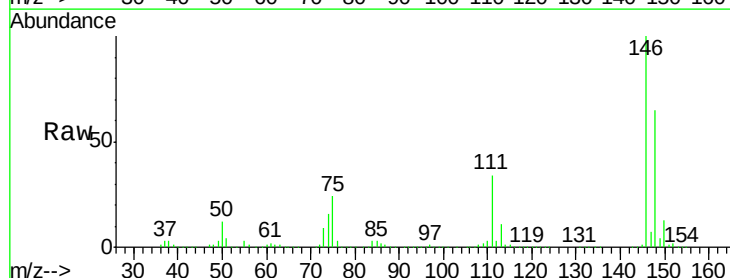
Manual Integrations
 APPROVED

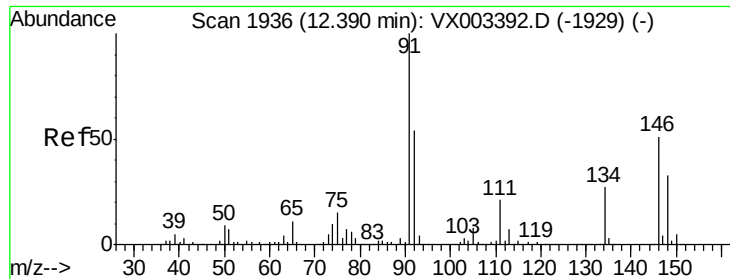
MMDadoda
 7/19/2018 1:04:11 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.00 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.7	56.1
148	64.0	32.4	97.0





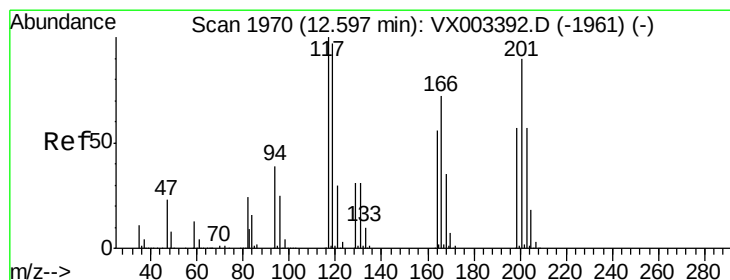
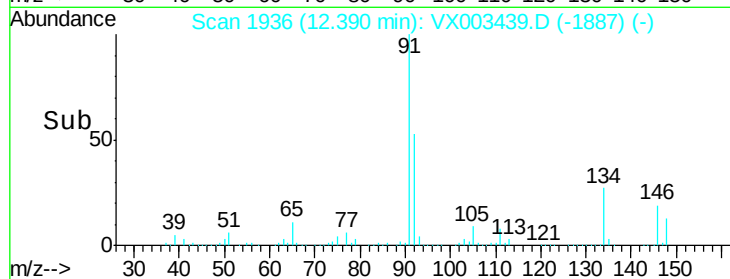
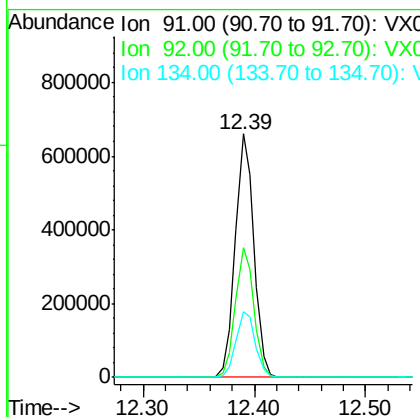
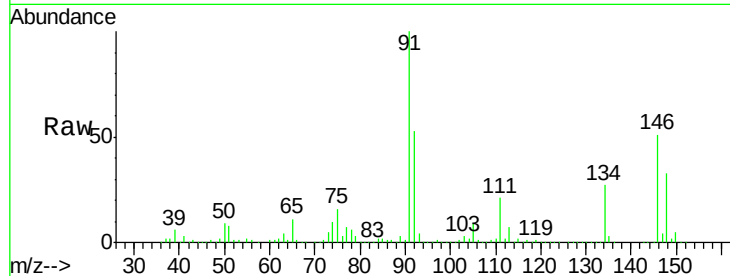
#89
n-Butylbenzene
Concen: 51.02 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	760294		
92	52.9	26.0	78.0	
134	27.7	13.5	40.5	

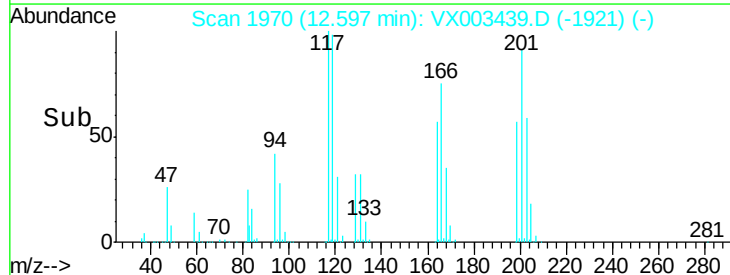
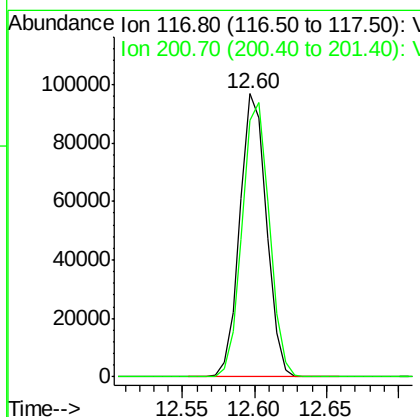
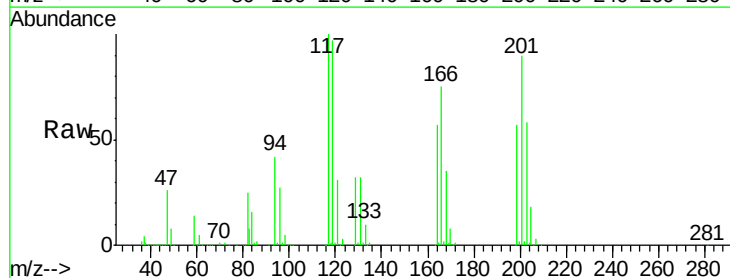
Manual Integrations
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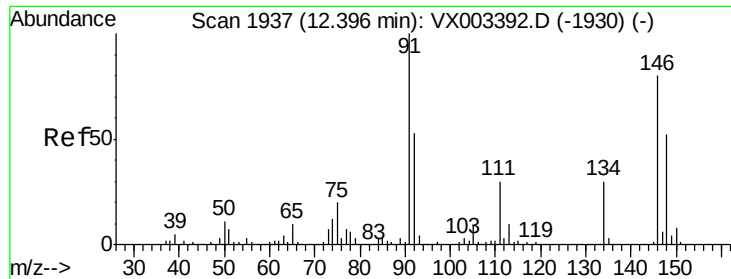
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#90
Hexachloroethane
Concen: 46.98 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003439.D
Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	124510		
201	98.2	49.0	147.0	





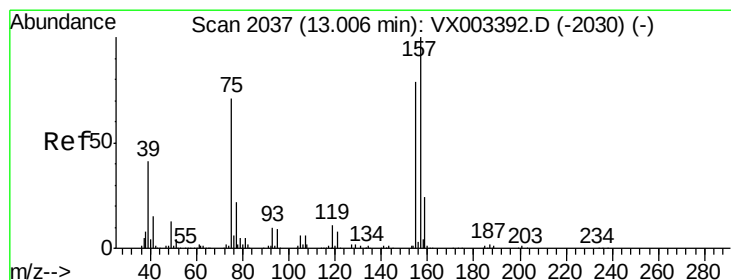
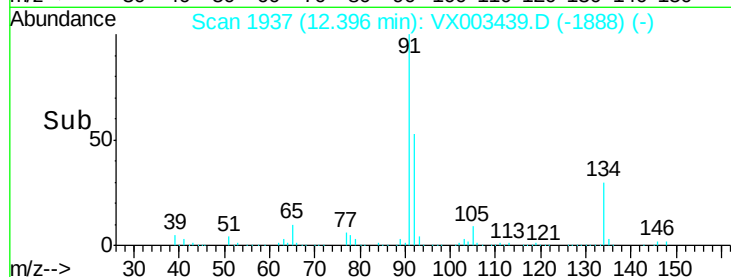
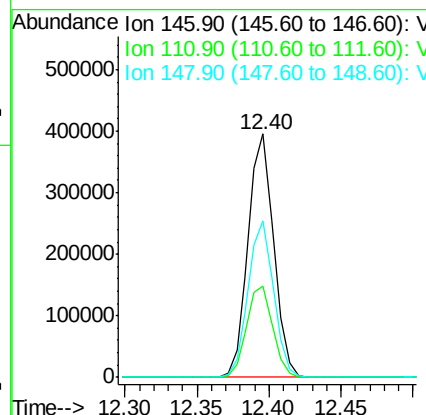
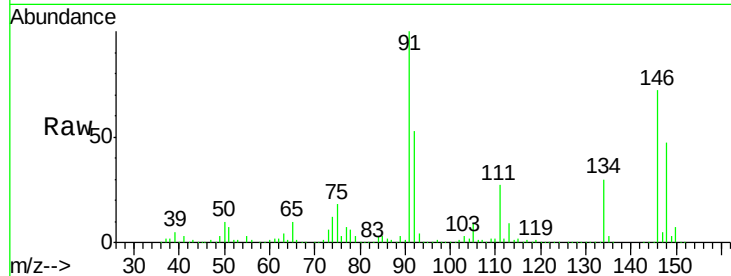
#91
 1,2-Dichlorobenzene
 Concen: 45.90 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.0	31.7	95.1

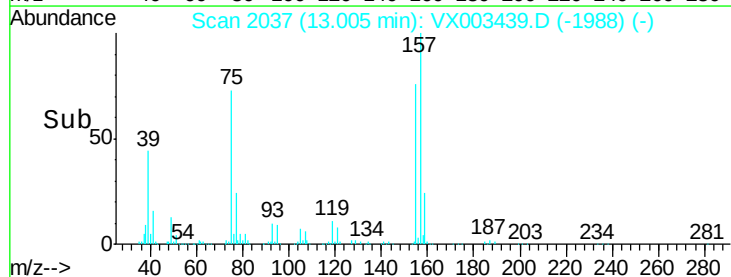
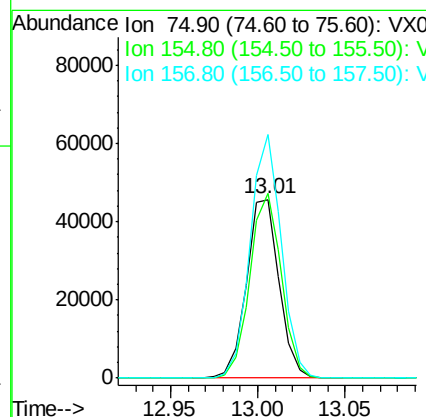
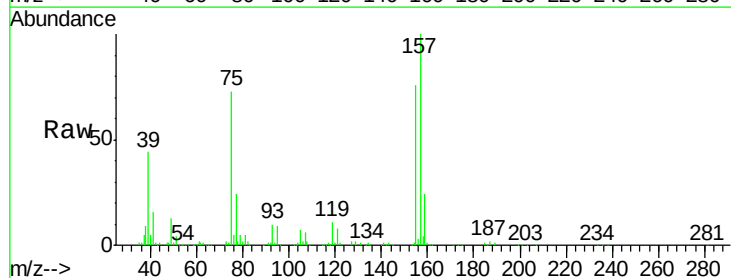
Manual Integrations
 APPROVED

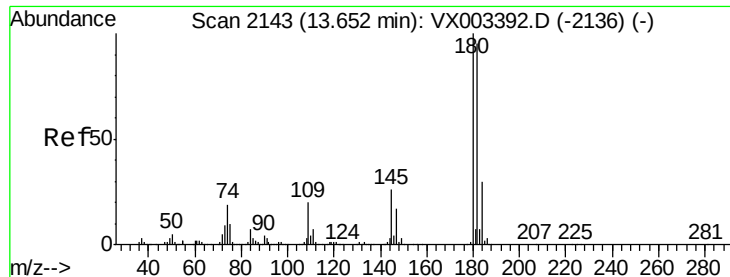
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.29 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.1	45.8	137.4
157	130.7	60.1	180.3





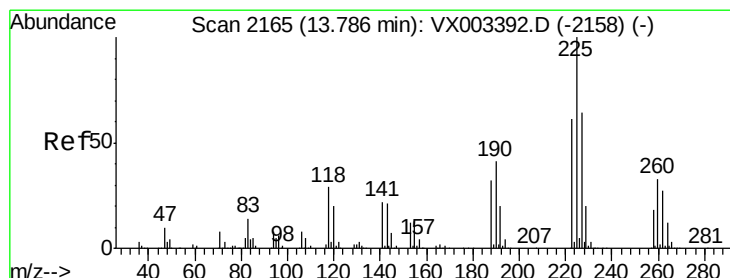
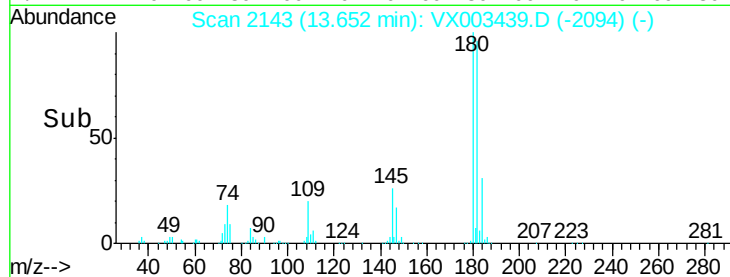
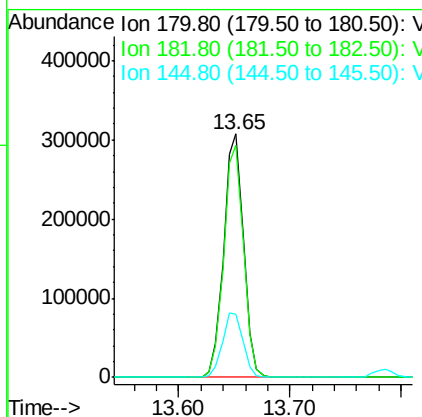
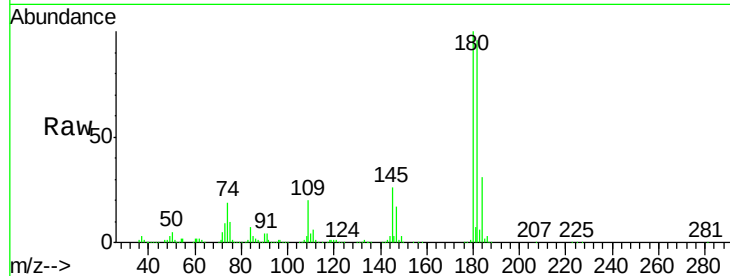
#93
 1,2,4-Trichlorobenzene
 Concen: 51.88 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.7	143.1	
145	27.6	14.1	42.4	

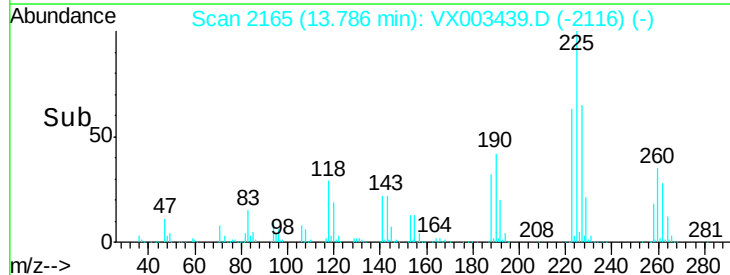
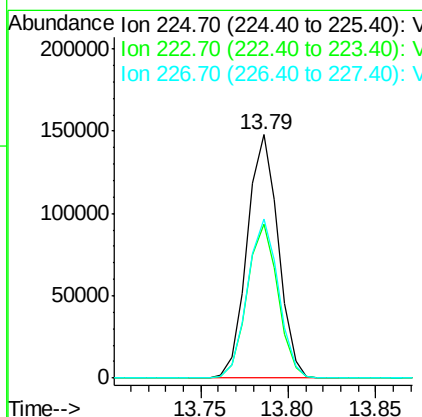
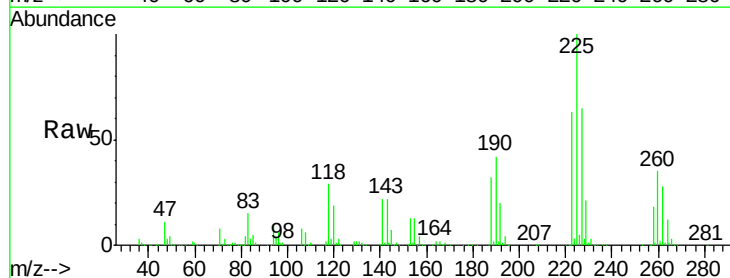
Manual Integrations
 APPROVED

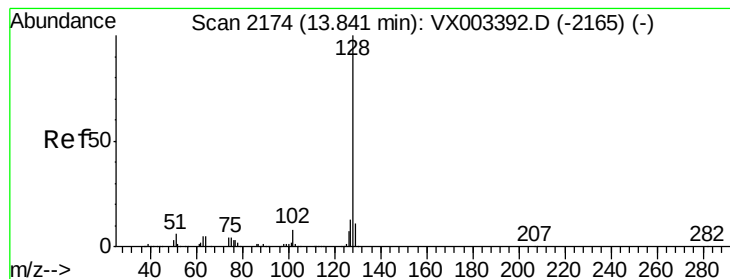
MMDadoda
 7/19/2018 1:04:11 PM



#94
 Hexachlorobutadiene
 Concen: 52.24 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003439.D
 Acq: 18 Jul 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.6	95.0	
227	65.2	32.4	97.2	





#95

Naphthalene

Concen: 49.58 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Instrument :

MSVOA_X

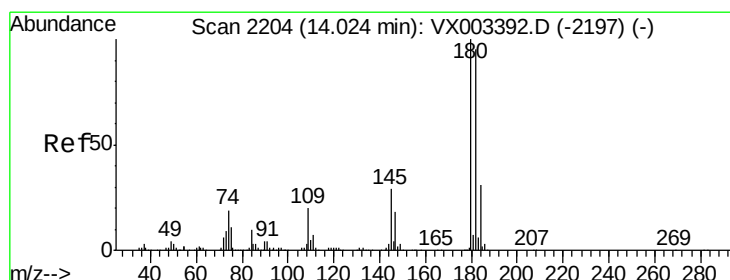
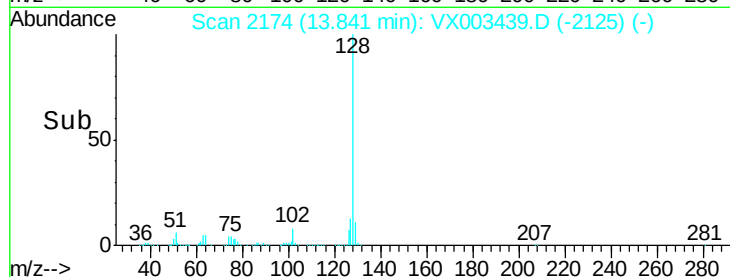
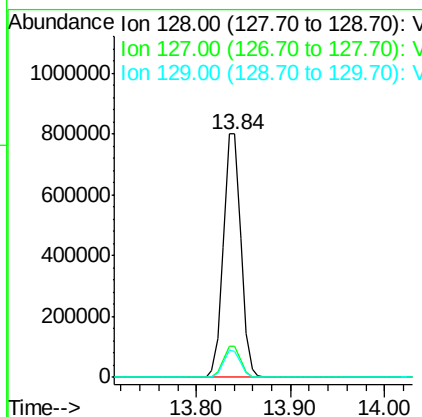
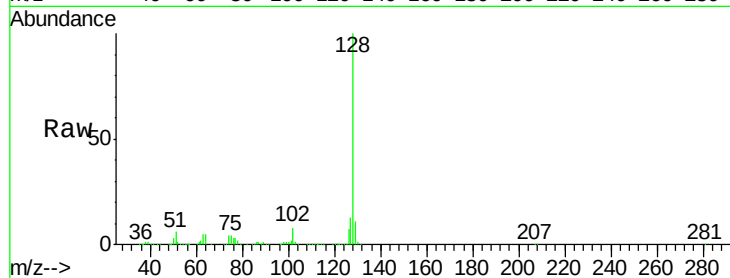
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1030101
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/19/2018 1:04:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.72 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003439.D

Acq: 18 Jul 2018 11:05

Tgt Ion:	180	Resp:	370690
Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.0
145	29.4	14.8	44.3

