

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071618\
 Data File : VX003397.D
 Acq On : 16 Jul 2018 16:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2018 1:46:35 PM

Quant Time: Jul 17 02:07:16 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	367081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	508821	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	475320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	295837	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	218805	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
35) Dibromofluoromethane	5.51	113	196288	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	8.72	98	758184	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.14	95	278383	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	199536	48.16	ug/l	99
3) Chloromethane	1.32	50	197899	44.13	ug/l	98
4) Vinyl Chloride	1.40	62	221649	45.36	ug/l	100
5) Bromomethane	1.64	94	97719	59.35	ug/l	99
6) Chloroethane	1.72	64	131589	48.59	ug/l	99
7) Trichlorofluoromethane	1.92	101	293344	45.25	ug/l	98
8) Diethyl Ether	2.19	74	121880	43.94	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	190111	46.43	ug/l	97
10) Methyl Iodide	2.51	142	202529	46.24	ug/l	93
11) Tert butyl alcohol	3.09	59	233537	216.02	ug/l	100
12) 1,1-Dichloroethene	2.37	96	171772	44.39	ug/l	91
13) Acrolein	2.29	56	107167	206.65	ug/l	99
14) Allyl chloride	2.73	41	319096	45.46	ug/l	86
15) Acrylonitrile	3.15	53	549193	221.73	ug/l	98
16) Acetone	2.45	43	441150	220.63	ug/l #	88
17) Carbon Disulfide	2.56	76	469455	44.22	ug/l	98
18) Methyl Acetate	2.78	43	314593	48.31	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	571405	44.47	ug/l	100
20) Methylene Chloride	2.86	84	191667	53.55	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	182813	43.74	ug/l	95
22) Diisopropyl ether	3.88	45	594034	43.63	ug/l	95
23) Vinyl Acetate	3.83	43	2470389	220.01	ug/l	96
24) 1,1-Dichloroethane	3.70	63	338694	43.85	ug/l	99
25) 2-Butanone	4.72	43	707506	226.10	ug/l	92
26) 2,2-Dichloropropane	4.59	77	266509	49.16	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	204334	45.44	ug/l	87
28) Bromochloromethane	5.02	49	144343	43.05	ug/l	87
29) Tetrahydrofuran	5.18	42	459414	231.50	ug/l	91
30) Chloroform	5.22	83	325065	45.67	ug/l	98
31) Cyclohexane	5.57	56	286732	48.07	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	279204	46.12	ug/l	97
36) 1,1-Dichloropropene	5.80	75	245772	47.70	ug/l	98
37) Ethyl Acetate	4.87	43	265352	45.70	ug/l	95
38) Carbon Tetrachloride	5.78	117	251616	47.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	301719	51.15	ug/l	95
40) Benzene	6.15	78	749165	47.79	ug/l	100
41) Methacrylonitrile	5.07	41	150115	47.01	ug/l	92
42) 1,2-Dichloroethane	6.20	62	243692	45.33	ug/l	94
43) Isopropyl Acetate	6.48	43	417025	47.59	ug/l	93
44) Trichloroethene	7.21	130	218484	48.11	ug/l	99
45) 1,2-Dichloropropane	7.52	63	193063	47.34	ug/l	99
46) Dibromomethane	7.67	93	127276	46.87	ug/l	96
47) Bromodichloromethane	7.90	83	239777	48.22	ug/l	98
48) Methyl methacrylate	7.79	41	218068	48.78	ug/l	85
49) 1,4-Dioxane	7.77	88	96542	943.13	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	1410896	244.58	ug/l	91
52) Toluene	8.79	92	480941	49.00	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	299465	51.00	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	271889	50.74	ug/l #	87
55) 1,1,2-Trichloroethane	9.22	97	195872	47.76	ug/l	98
56) Ethyl methacrylate	9.19	69	289690	49.89	ug/l #	83
57) 1,3-Dichloropropane	9.38	76	316745	48.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	794236	272.78	ug/l	97
59) 2-Hexanone	9.51	43	1097362	247.59	ug/l	89
60) Dibromochloromethane	9.59	129	201346	49.41	ug/l	100
61) 1,2-Dibromoethane	9.68	107	205572	48.63	ug/l	100
64) Tetrachloroethene	9.34	164	241961	48.66	ug/l	97
65) Chlorobenzene	10.14	112	549954	48.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	198236	49.67	ug/l	99
67) Ethyl Benzene	10.26	91	923118	50.30	ug/l	99
68) m/p-Xylenes	10.36	106	731319	103.02	ug/l	96
69) o-Xylene	10.70	106	350856	51.46	ug/l	96
70) Styrene	10.71	104	586270	52.24	ug/l	97
71) Bromoform	10.86	173	162199	50.52	ug/l	100
73) Isopropylbenzene	11.02	105	943126	49.79	ug/l	100
74) N-amyl acetate	6.48	43	417025	45.78	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	292218	46.73	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	296215m	55.31	ug/l	
77) Bromobenzene	11.26	156	257954	47.95	ug/l	97
78) n-propylbenzene	11.37	91	1077763	50.93	ug/l	99
79) 2-Chlorotoluene	11.43	91	631561	48.68	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	788110	50.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	87277	52.94	ug/l	87
82) 4-Chlorotoluene	11.51	91	747868	49.40	ug/l	98
83) tert-Butylbenzene	11.77	119	766419	50.68	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	809343	50.92	ug/l	97
85) sec-Butylbenzene	11.95	105	937762	51.12	ug/l	99
86) p-Isopropyltoluene	12.07	119	855106	52.36	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	476397	48.38	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	479249	47.93	ug/l	99
89) n-Butylbenzene	12.39	91	738553	53.09	ug/l	99
90) Hexachloroethane	12.60	117	126070	50.95	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	478817	48.42	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	65762	50.56	ug/l	91

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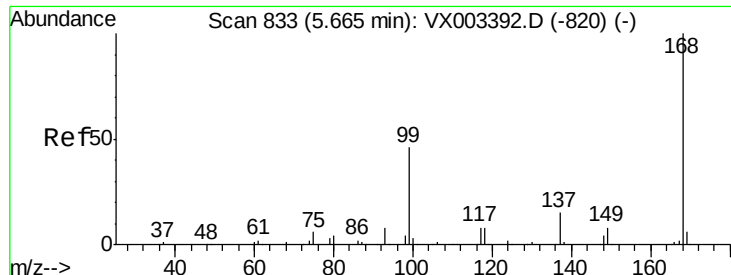
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	347159	51.30	ug/l	100
94) Hexachlorobutadiene	13.79	225	174309	53.51	ug/l	99
95) Naphthalene	13.84	128	1019561	52.56	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	350326	50.33	ug/l	99

(#) = 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: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 367081

Ion Ratio Lower Upper

168 100

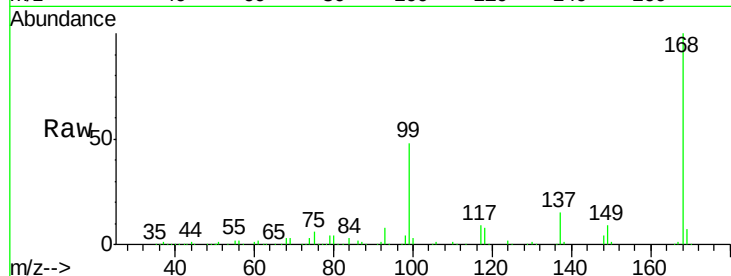
99 48.0 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

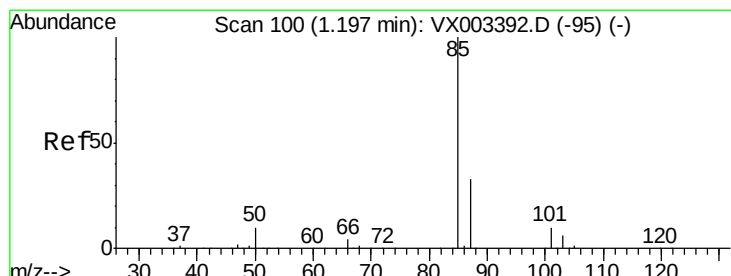
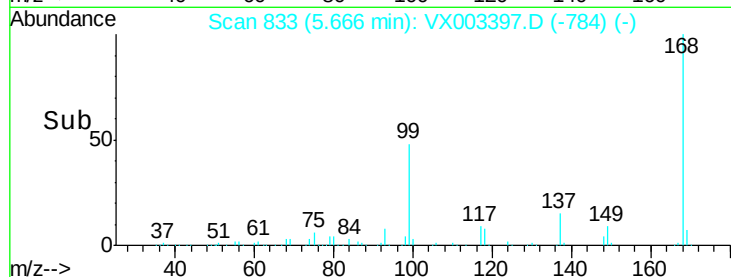
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50000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.16 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003397.D

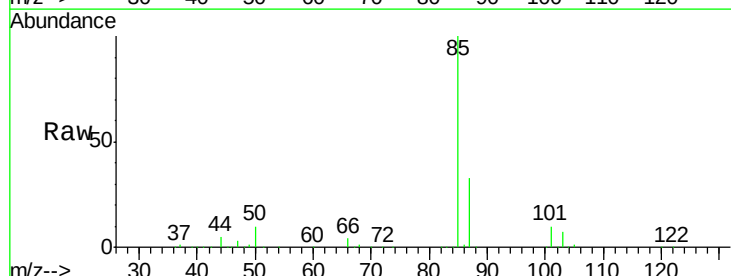
Acq: 16 Jul 2018 16:27

Tgt Ion: 85 Resp: 199536

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

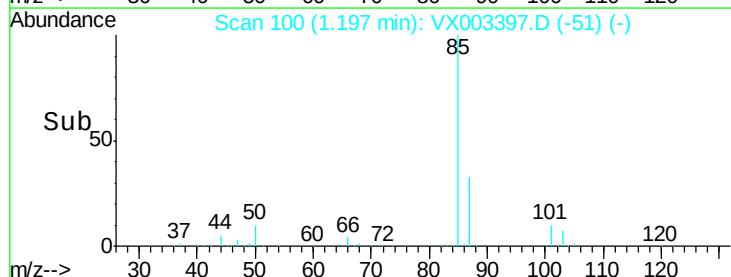
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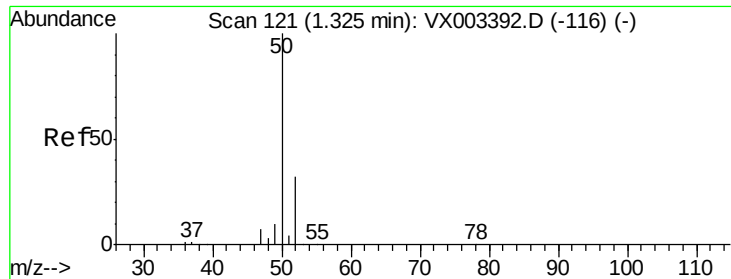
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 44.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 197899

Ion Ratio Lower Upper

50 100

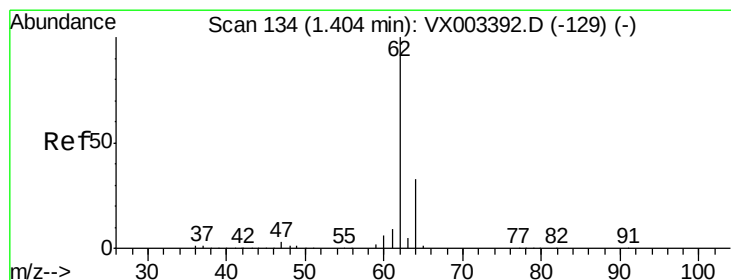
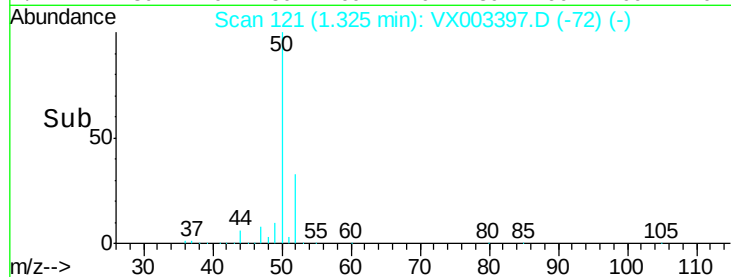
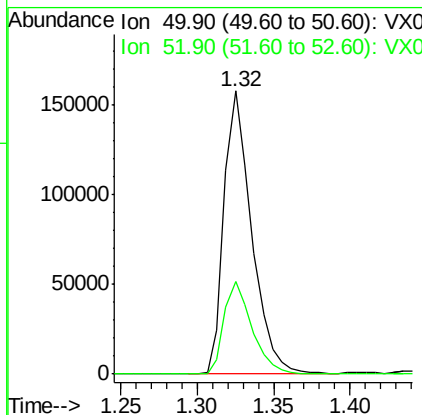
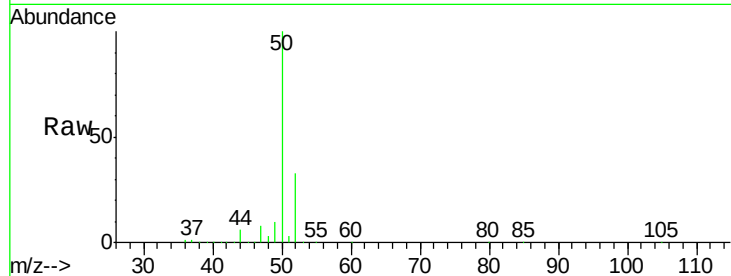
52 32.9 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.36 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003397.D

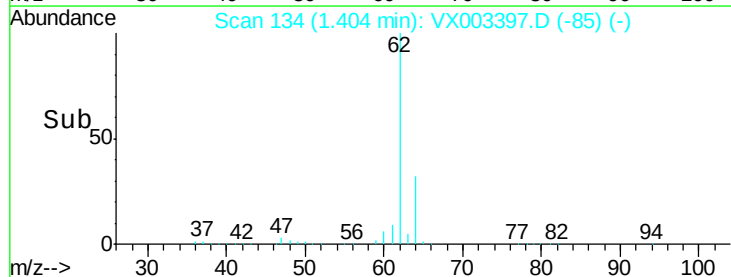
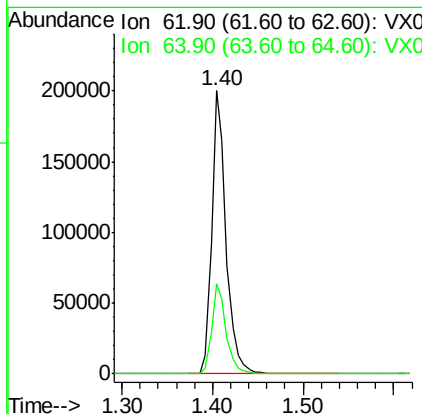
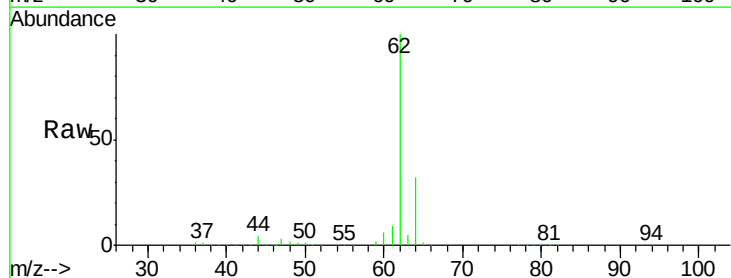
Acq: 16 Jul 2018 16:27

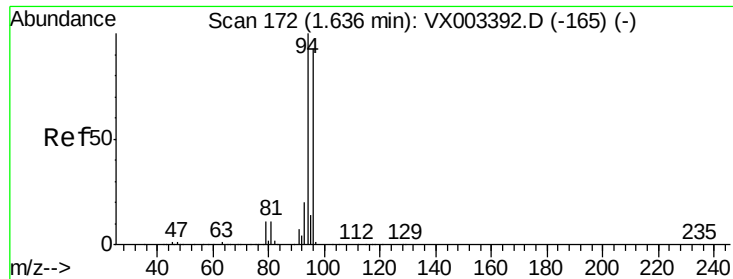
Tgt Ion: 62 Resp: 221649

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 59.35 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 97719

Ion Ratio Lower Upper

94 100

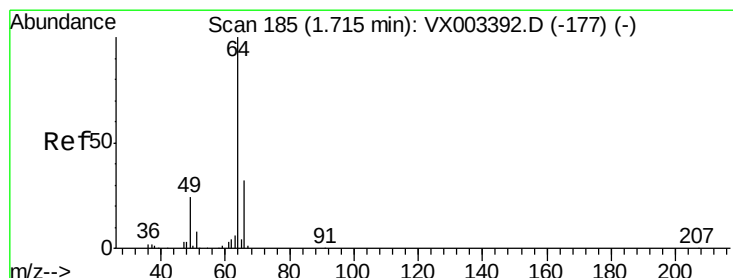
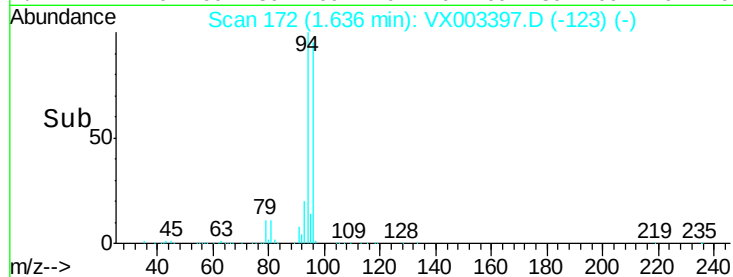
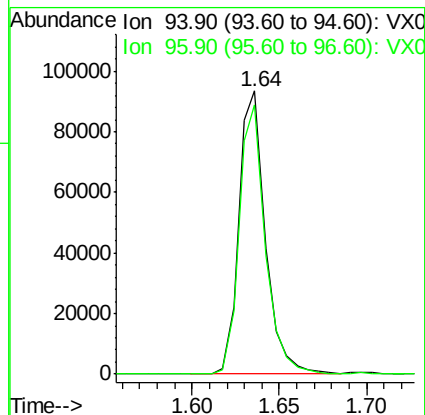
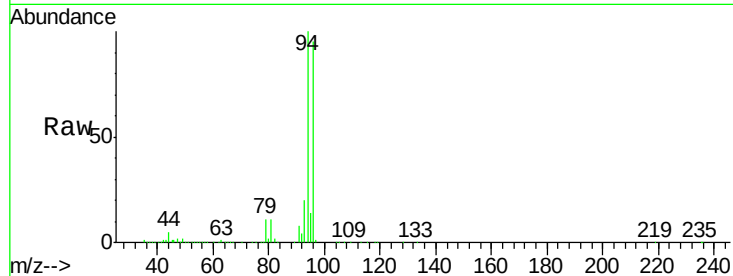
96 95.0 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 48.59 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003397.D

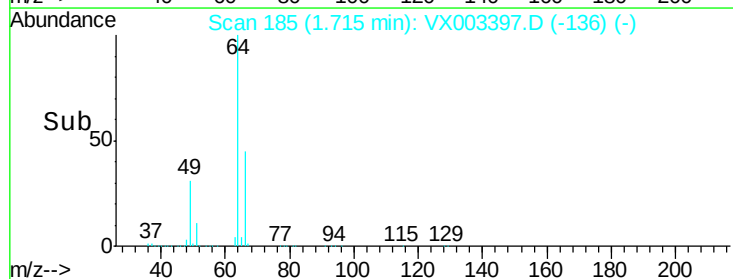
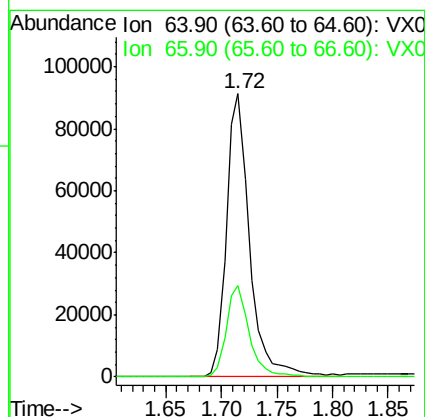
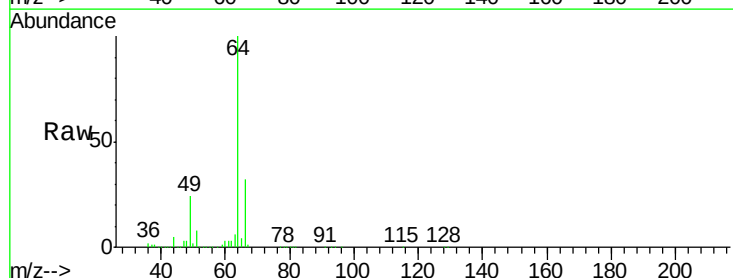
Acq: 16 Jul 2018 16:27

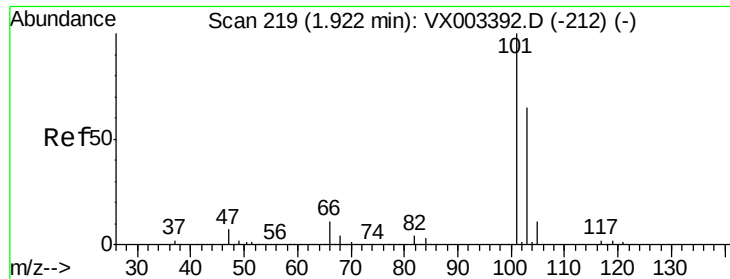
Tgt Ion: 64 Resp: 131589

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3





#7

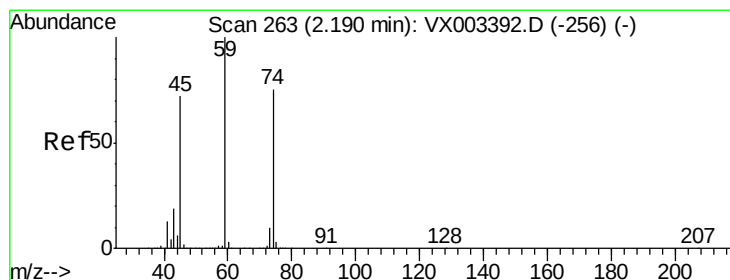
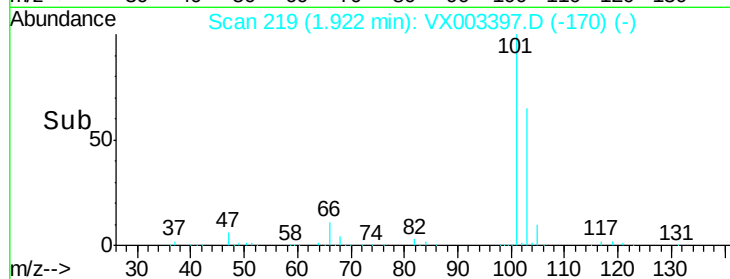
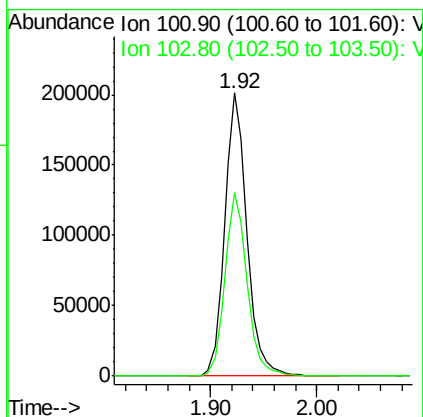
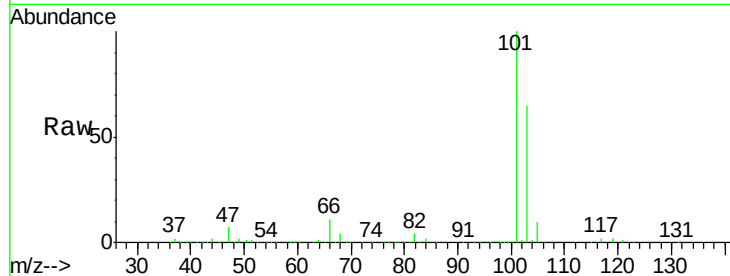
Trichlorofluoromethane
Concen: 45.25 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.8	79.2

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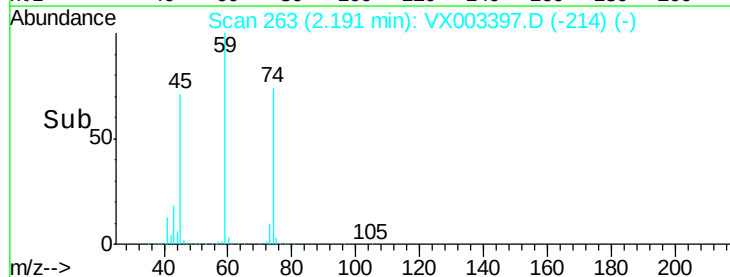
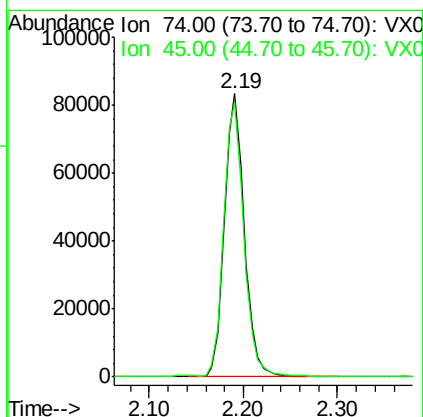
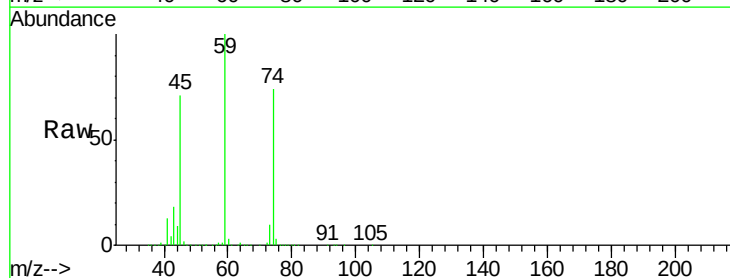
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7/17/2018 1:46:35 PM

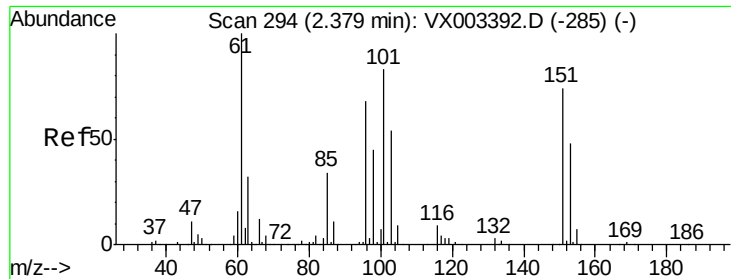


#8

Diethyl Ether
Concen: 43.94 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.43 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

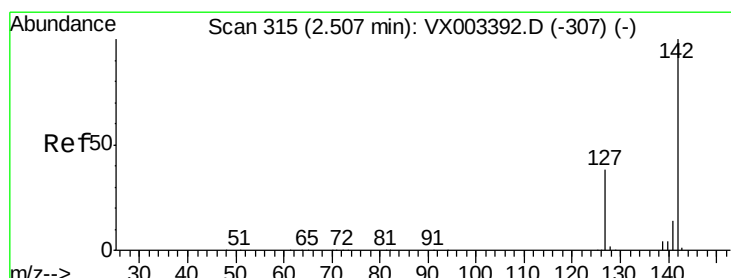
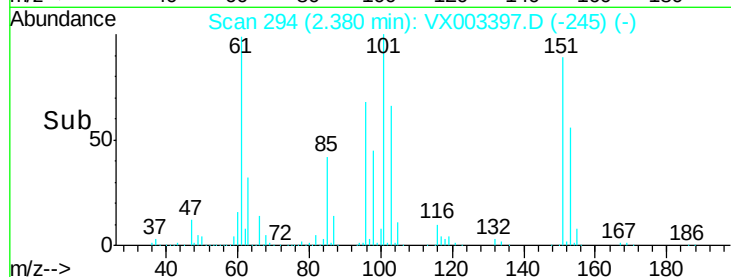
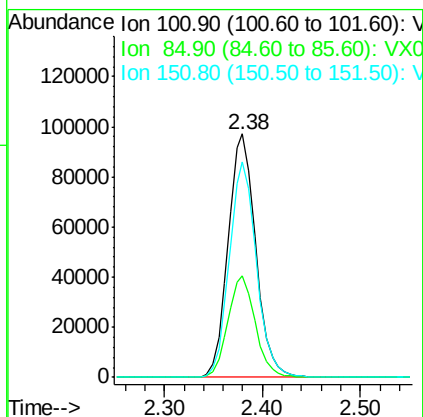
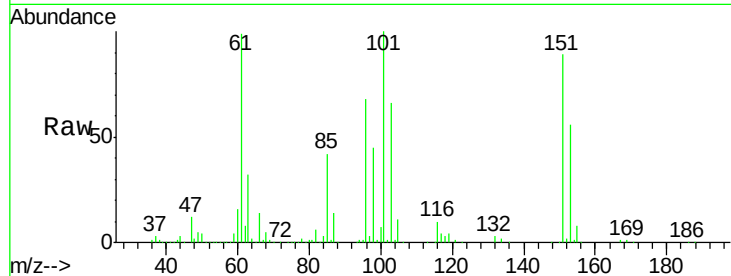
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	190111
Ion Ratio	Lower	Upper	
101	100		
85	41.3	36.0	54.0
151	87.2	70.9	106.3

Manual Integrations
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7/17/2018 1:46:35 PM



#10

Methyl Iodide

Concen: 46.24 ug/l

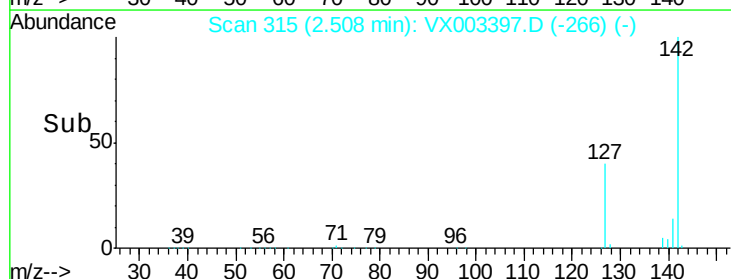
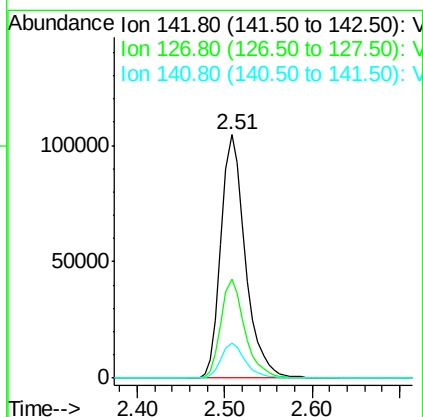
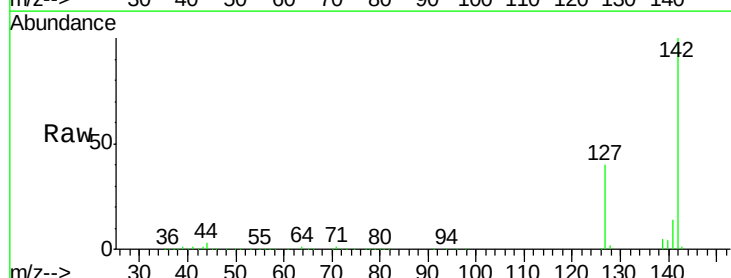
RT: 2.51 min Scan# 315

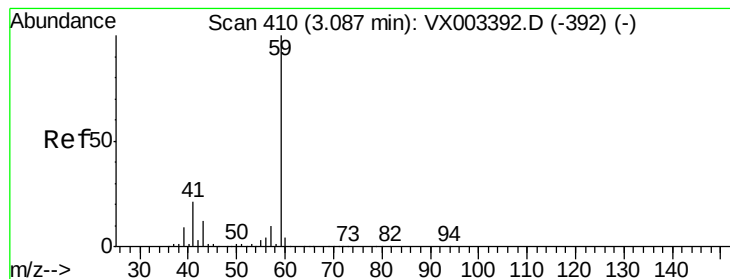
Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion:	142	Resp:	202529
Ion Ratio	Lower	Upper	
142	100		
127	39.8	36.6	55.0
141	14.2	11.3	16.9





#11

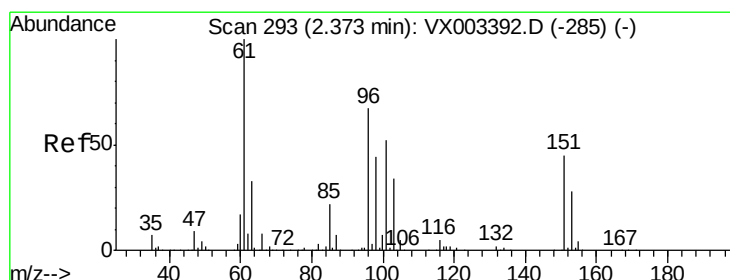
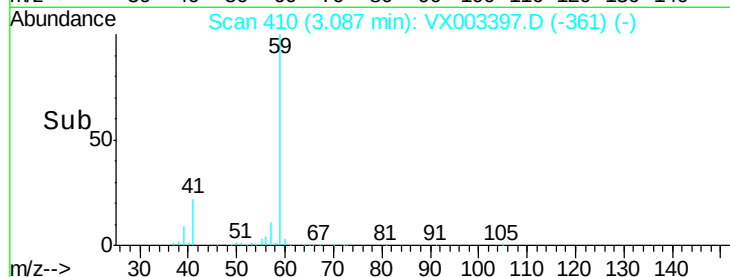
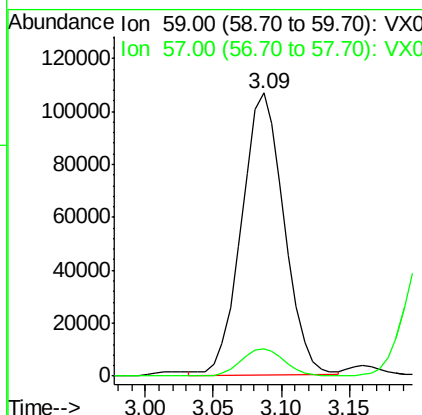
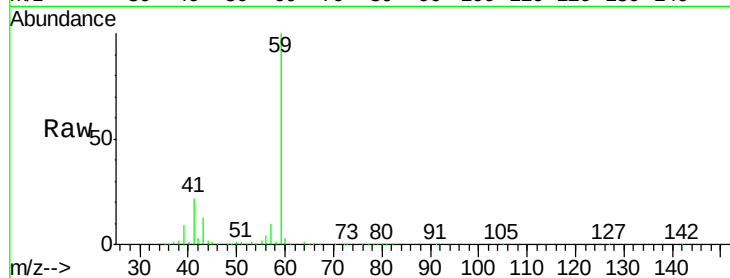
Tert butyl alcohol
 Concen: 216.02 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
 APPROVED

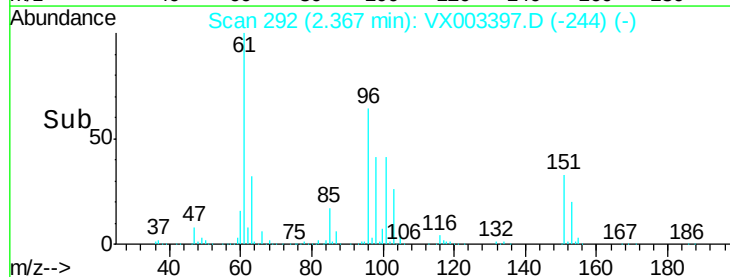
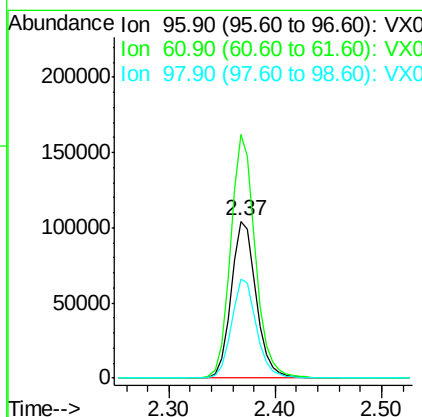
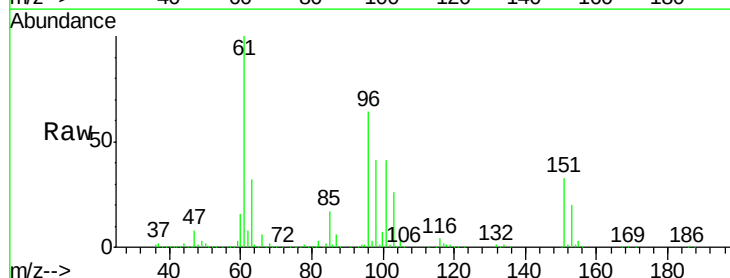
MMDadoda
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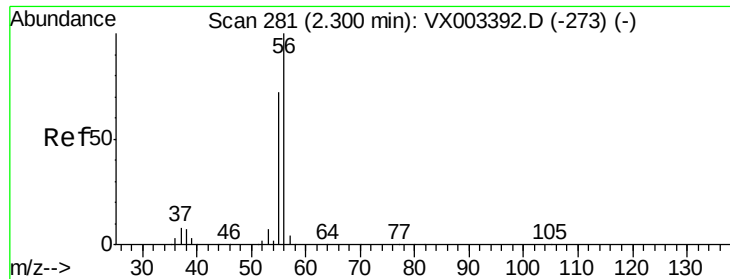


#12

1,1-Dichloroethene
 Concen: 44.39 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	137.9	206.9
98	63.2	51.6	77.4





#13

Acrolein

Concen: 206.65 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 107167

Ion Ratio Lower Upper

56 100

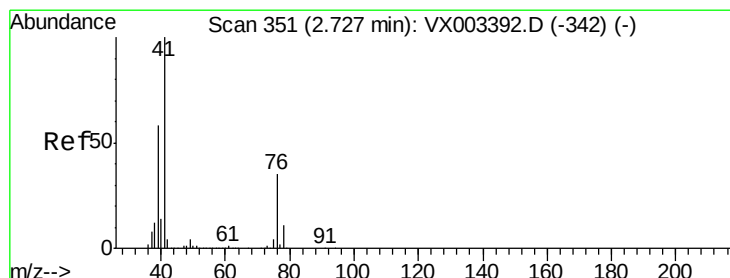
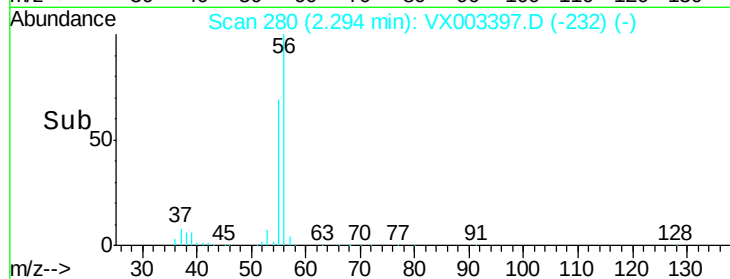
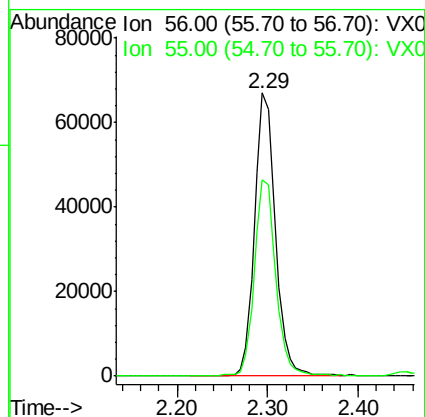
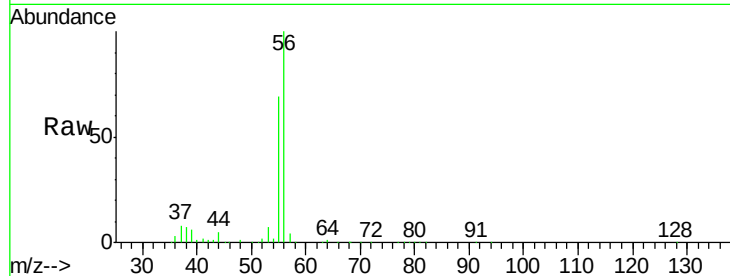
55 70.3 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 45.46 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

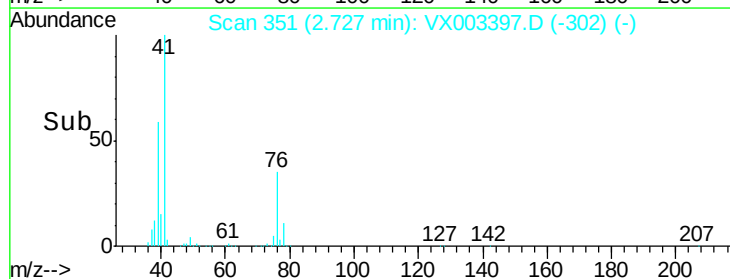
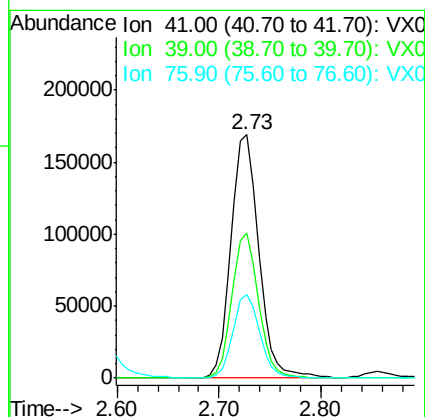
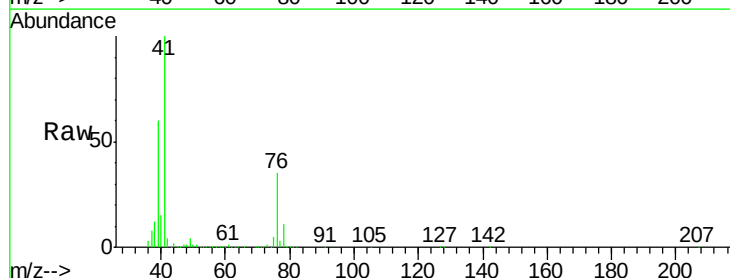
Tgt Ion: 41 Resp: 319096

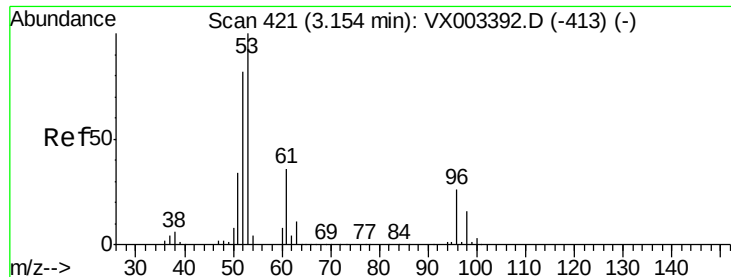
Ion Ratio Lower Upper

41 100

39 56.8 56.8 85.2

76 33.0 23.8 35.8





#15

Acrylonitrile

Concen: 221.73 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

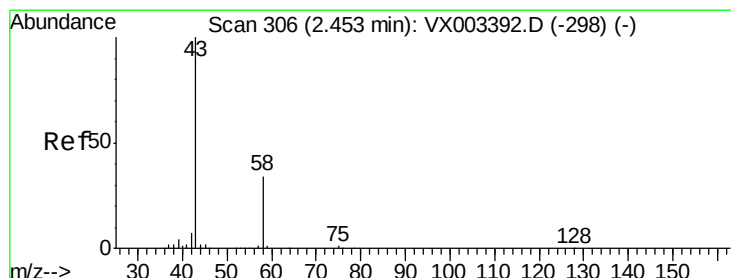
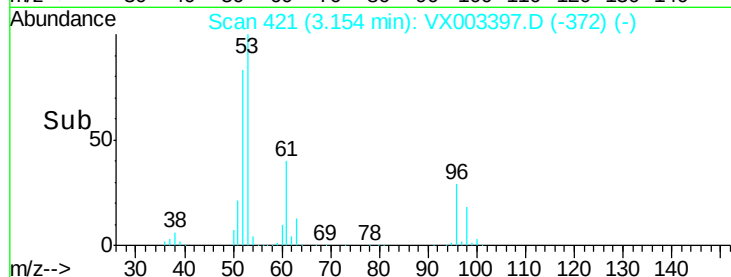
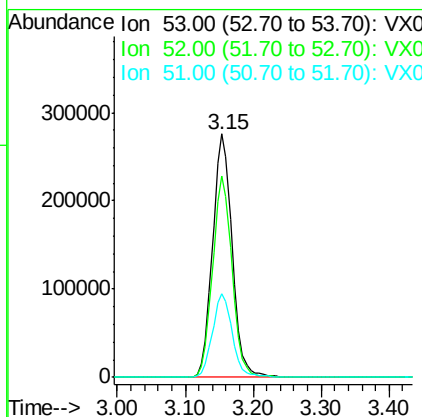
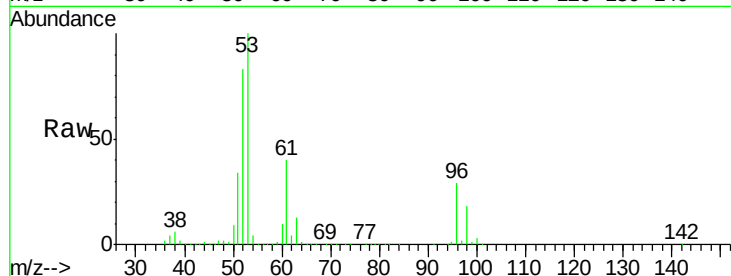
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	549193
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.7	100.1
51	34.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 220.63 ug/l

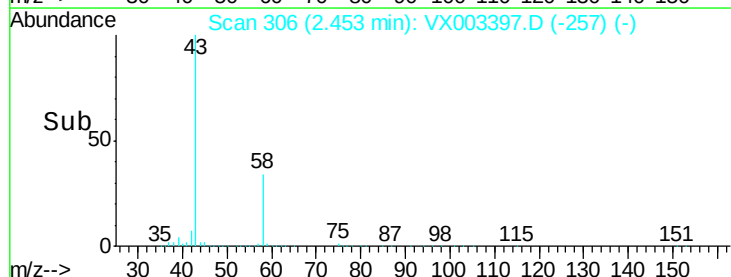
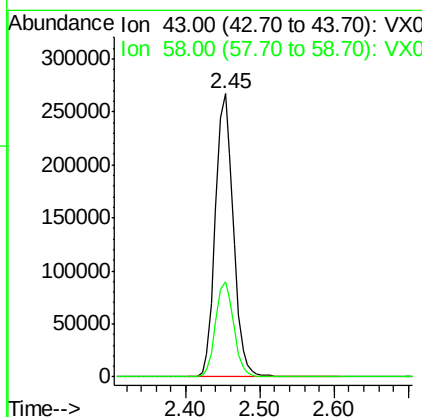
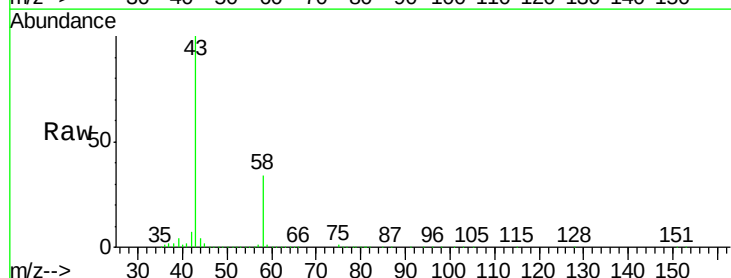
RT: 2.45 min Scan# 306

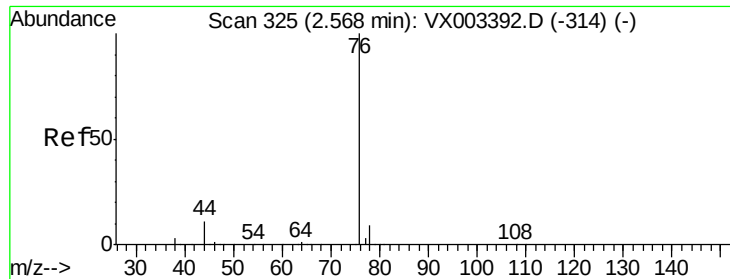
Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion:	43	Resp:	441150
Ion	Ratio	Lower	Upper
43	100		
58	33.7	22.1	33.1#





#17

Carbon Disulfide

Concen: 44.22 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 469455

Ion Ratio Lower Upper

76 100

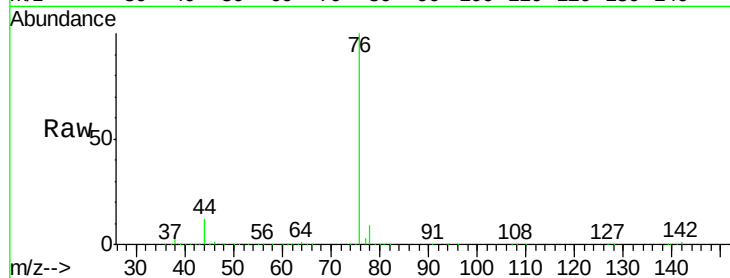
78 9.2 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

250000

200000

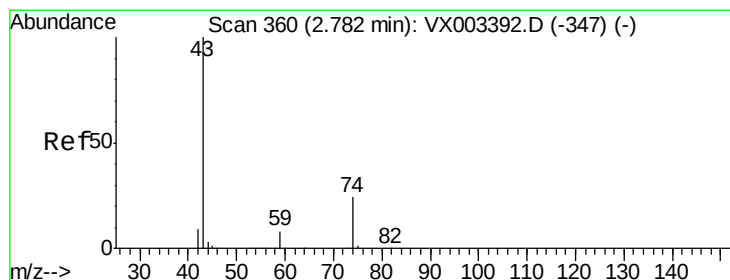
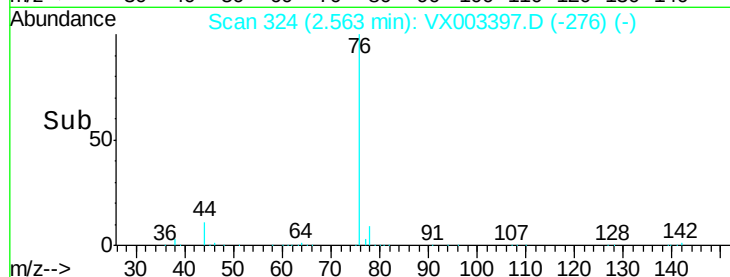
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.31 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003397.D

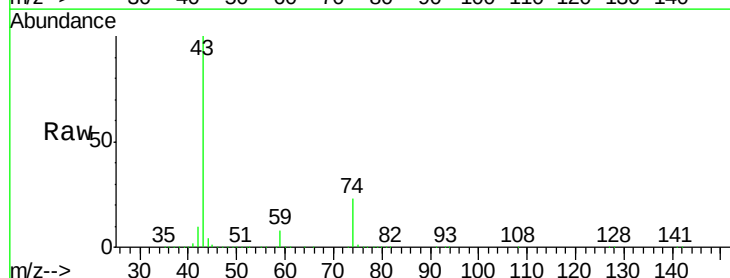
Acq: 16 Jul 2018 16:27

Tgt Ion: 43 Resp: 314593

Ion Ratio Lower Upper

43 100

74 23.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

200000

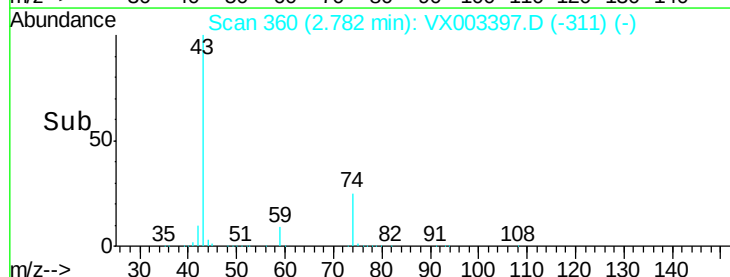
150000

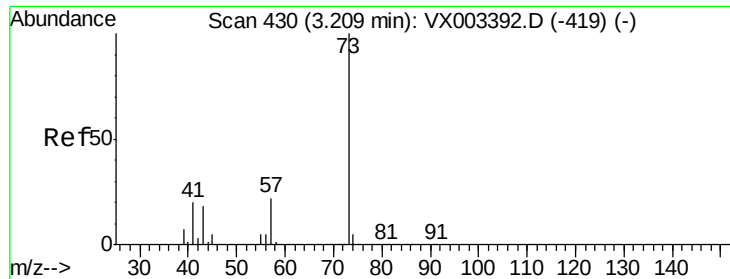
100000

50000

0

Time-->





#19

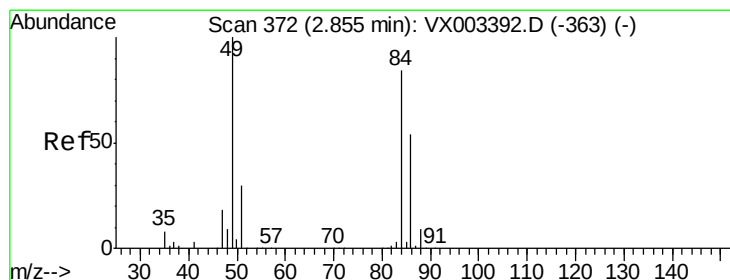
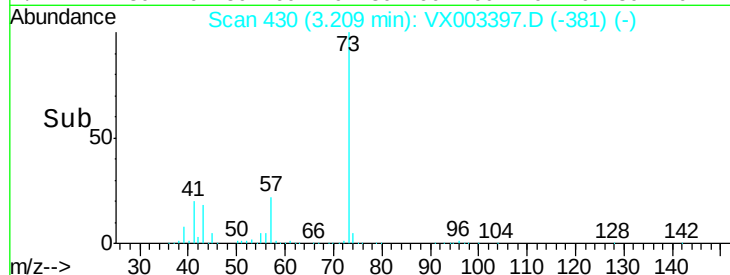
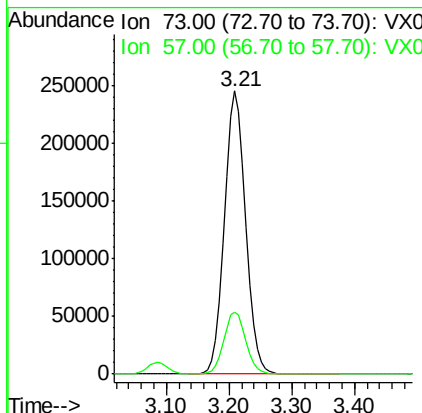
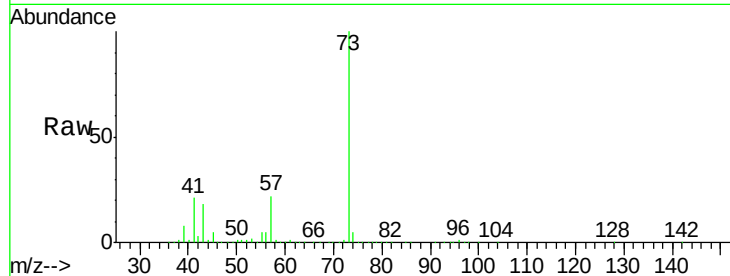
Methyl tert-butyl Ether
 Concen: 44.47 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 571405
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.7 26.5

Manual Integrations
 APPROVED

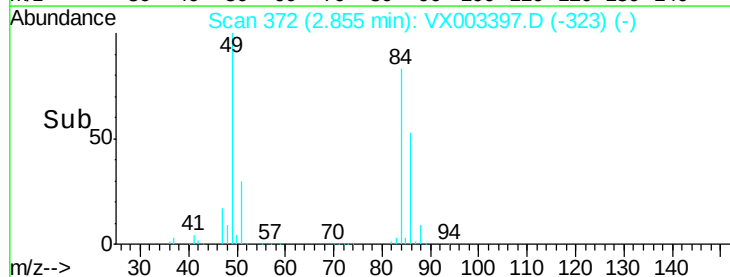
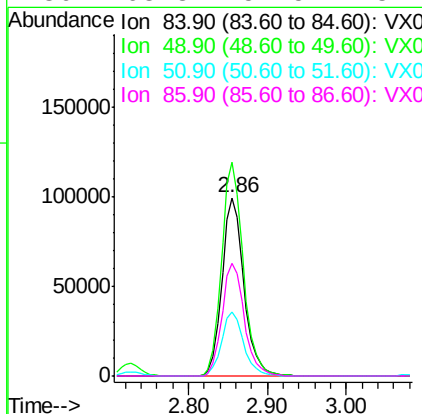
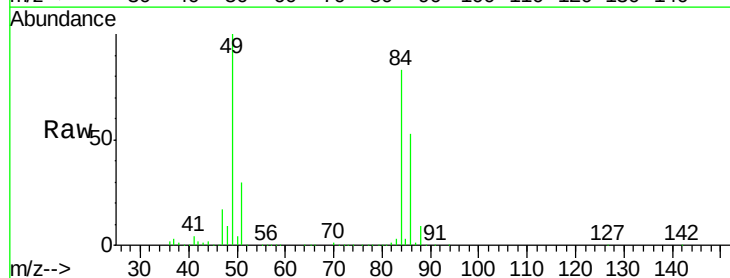
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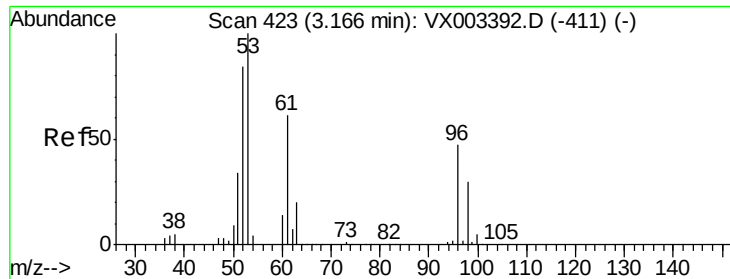


#20

Methylene Chloride
 Concen: 53.55 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion: 84 Resp: 191667
 Ion Ratio Lower Upper
 84 100
 49 120.0 107.8 161.6
 51 35.8 32.8 49.2
 86 63.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 43.74 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

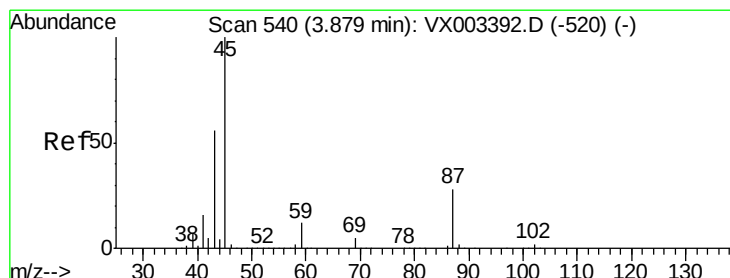
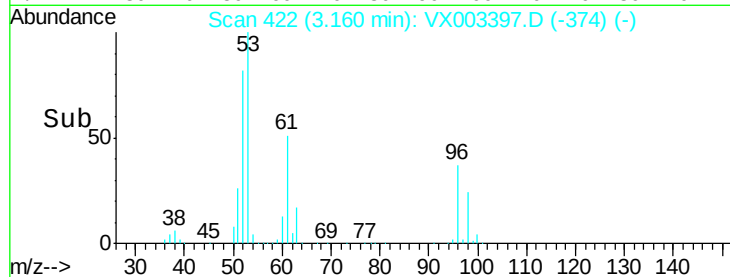
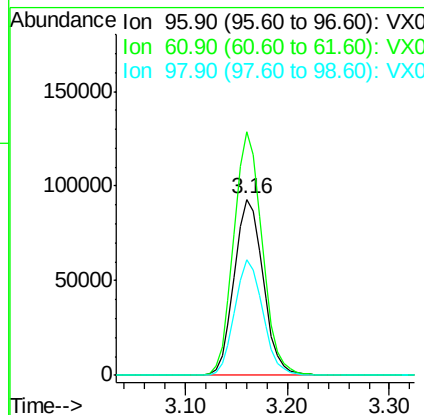
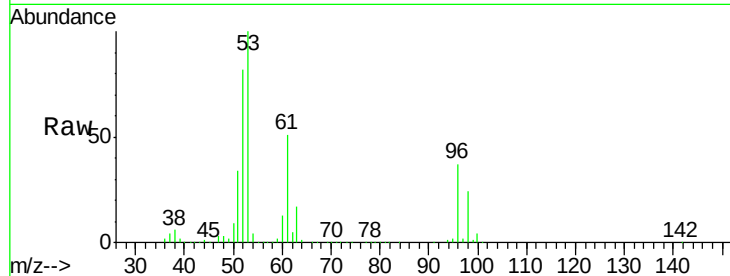
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	182813
Ion	Ratio	Lower	Upper
96	100		
61	138.1	117.0	175.4
98	65.3	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 43.63 ug/l

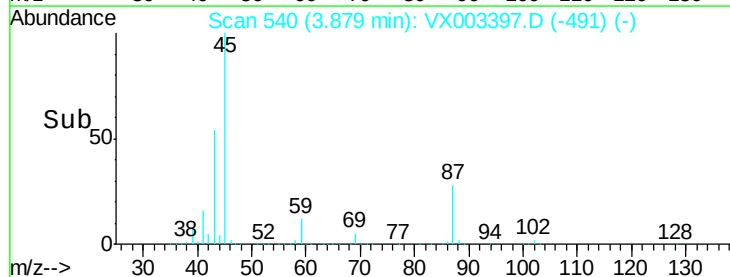
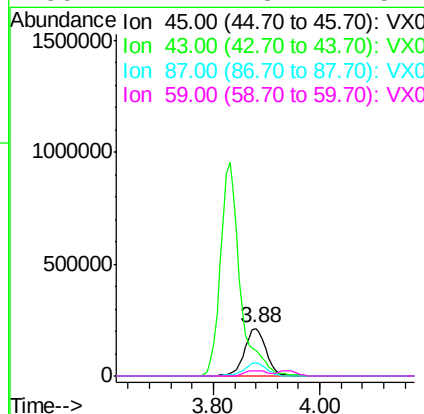
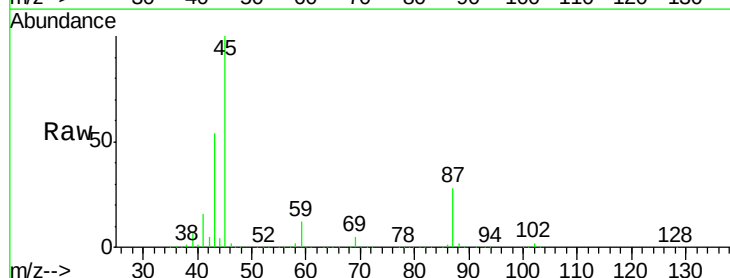
RT: 3.88 min Scan# 540

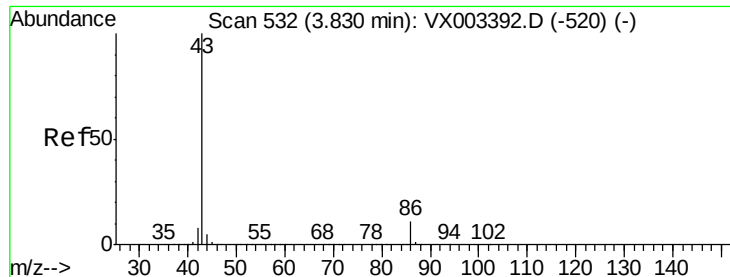
Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion:	45	Resp:	594034
Ion	Ratio	Lower	Upper
45	100		
43	54.1	46.8	70.2
87	28.0	20.2	30.4
59	11.7	8.7	13.1





#23

Vinyl Acetate

Concen: 220.01 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2470389

Ion Ratio Lower Upper

43 100

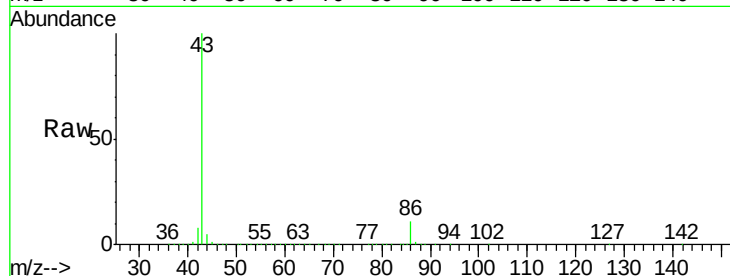
86 10.8 7.4 11.0

Manual Integrations

APPROVED

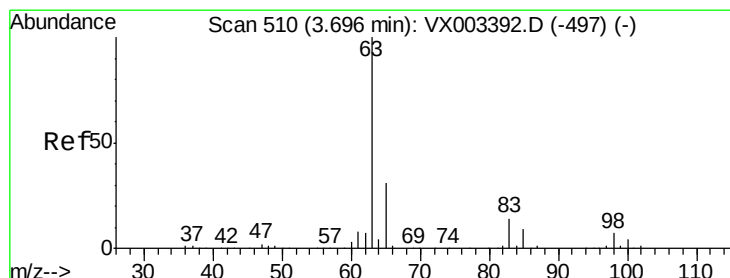
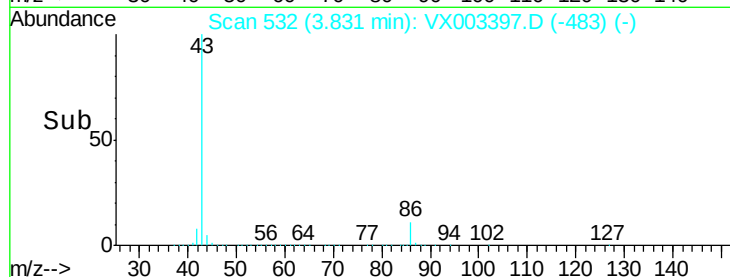
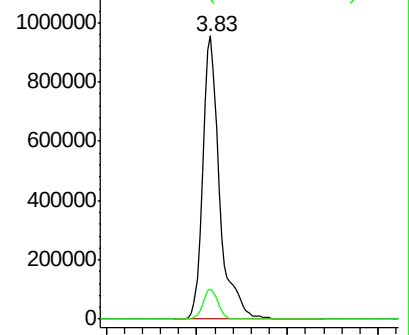
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 43.85 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

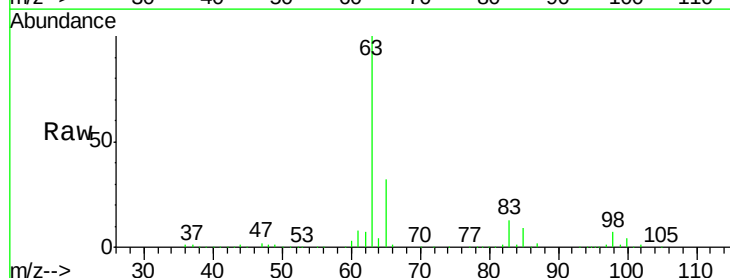
Tgt Ion: 63 Resp: 338694

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

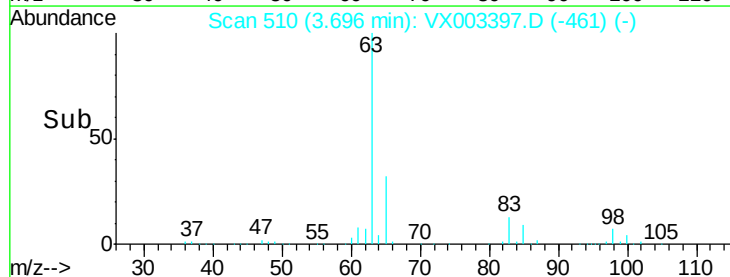
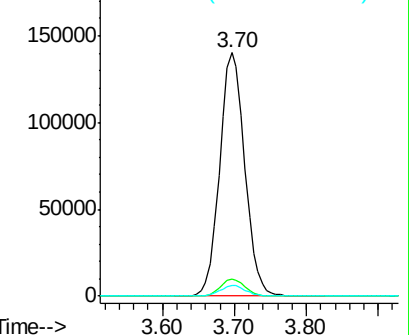
100 4.1 2.0 6.0

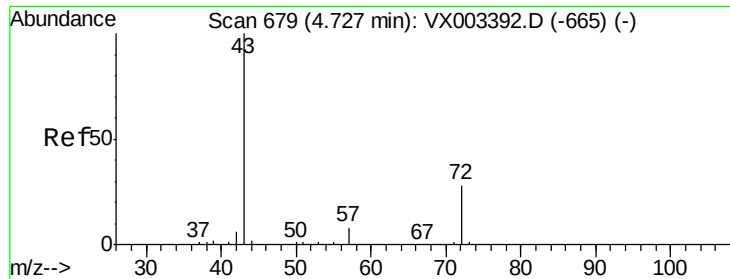


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 226.10 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 707506

Ion Ratio Lower Upper

43 100

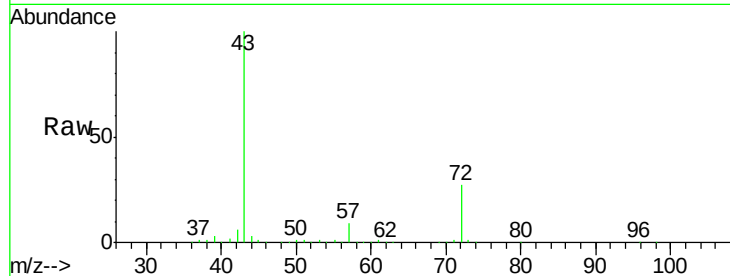
72 27.1 18.5 27.7

Manual Integrations

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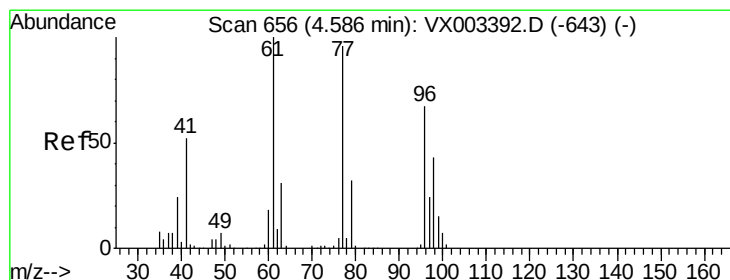
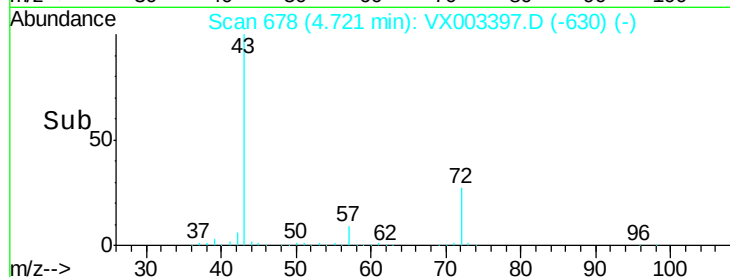
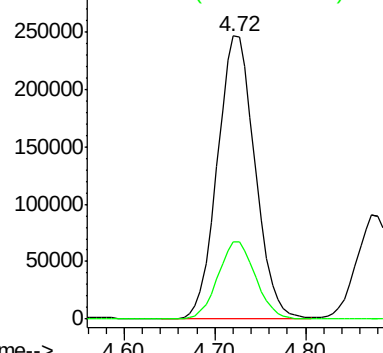
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 49.16 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003397.D

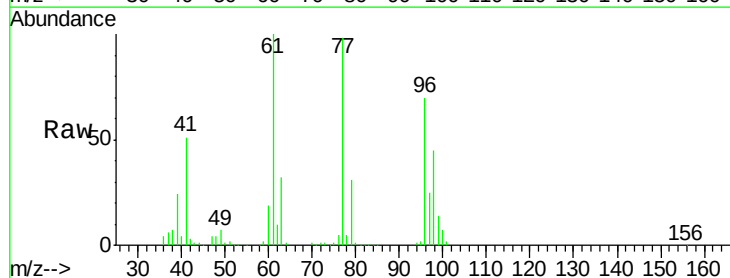
Acq: 16 Jul 2018 16:27

Tgt Ion: 77 Resp: 266509

Ion Ratio Lower Upper

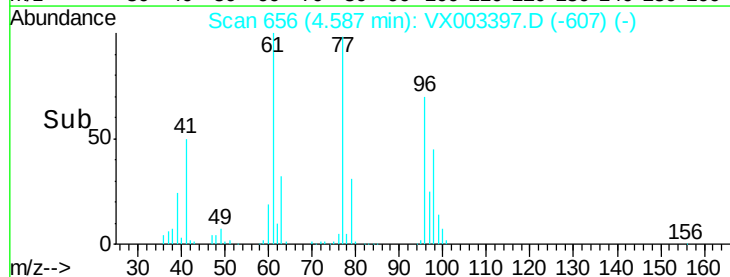
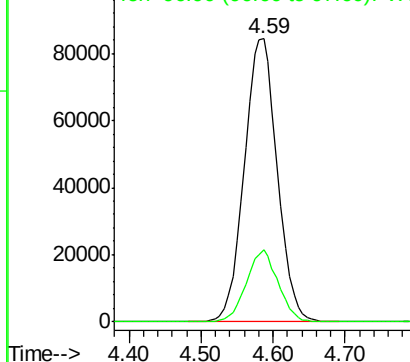
77 100

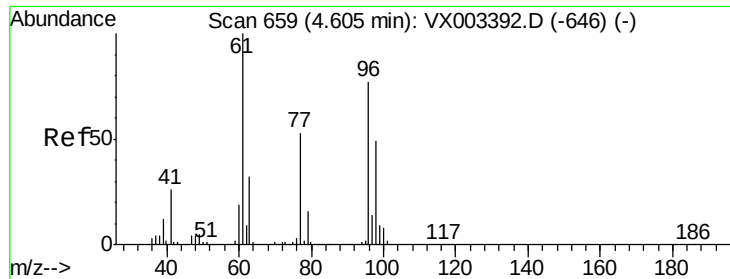
97 24.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

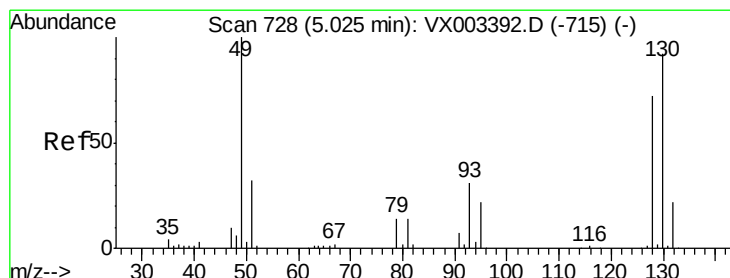
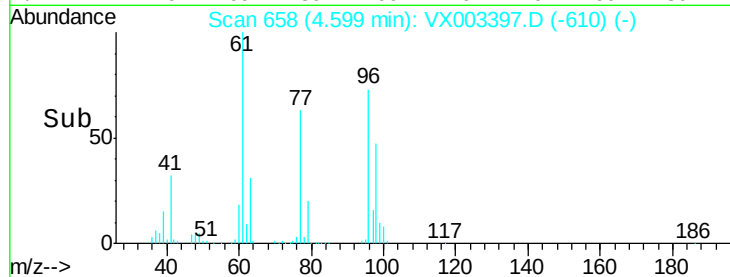
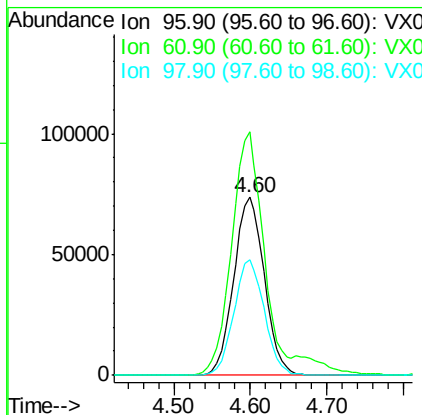
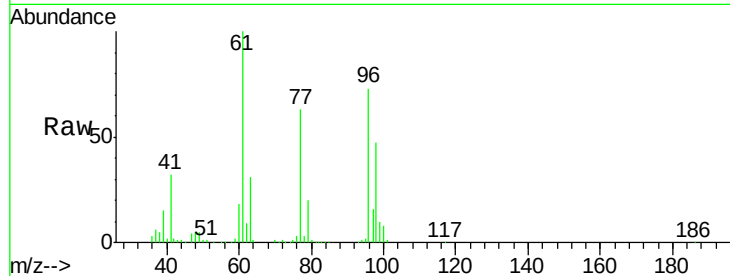
cis-1,2-Dichloroethene
 Concen: 45.44 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.2	0.0	330.2	
98	64.7	0.0	130.2	

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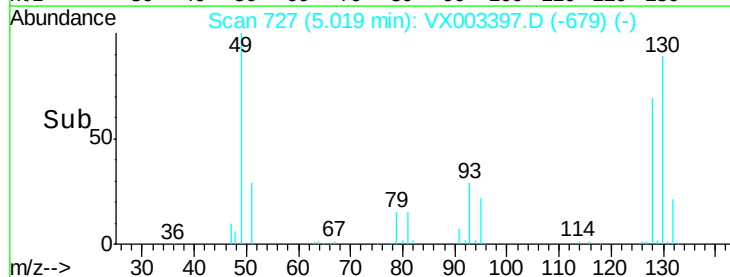
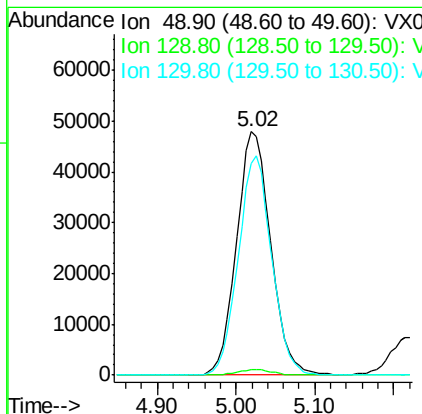
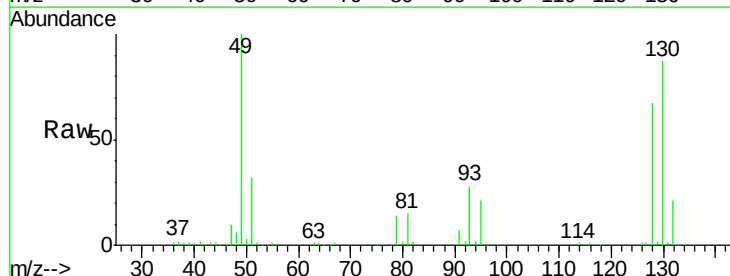
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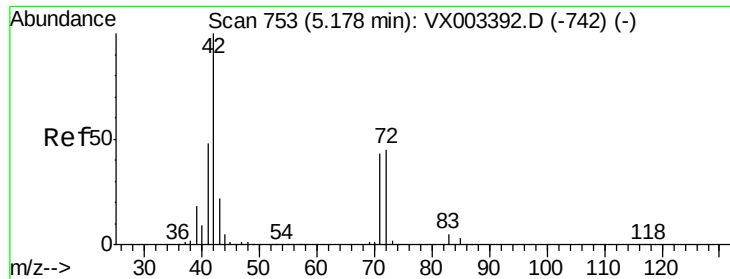


#28

Bromochloromethane
 Concen: 43.05 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.2	
130	87.7	61.2	91.8	





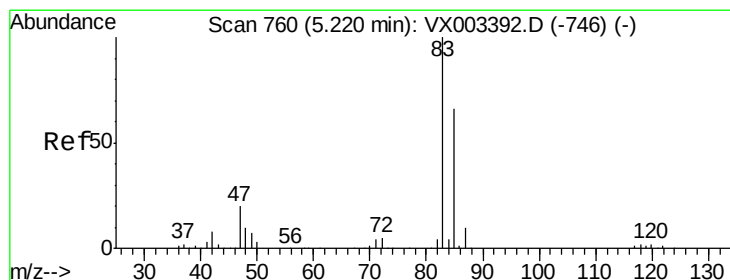
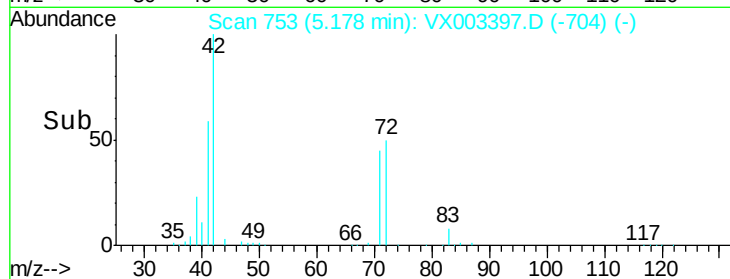
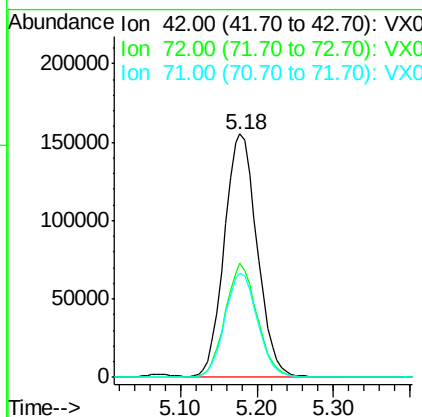
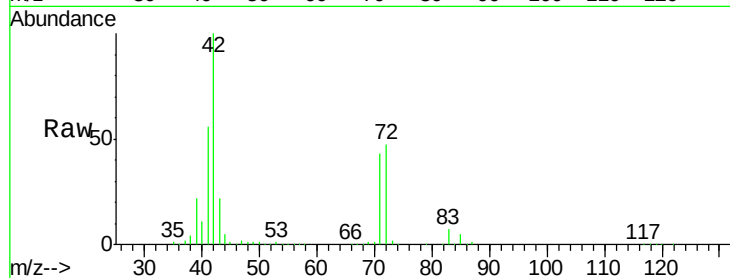
#29
Tetrahydrofuran
Concen: 231.50 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
42	42	100		
72	72	45.6	32.0	48.0
71	71	42.7	30.1	45.1

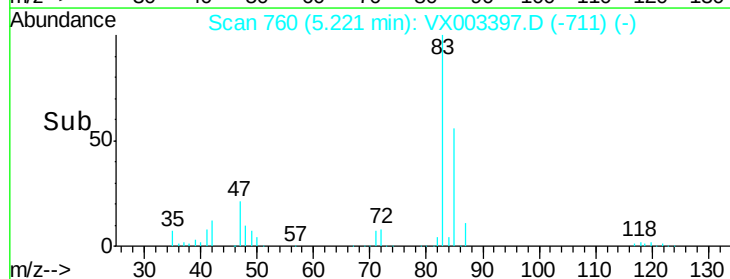
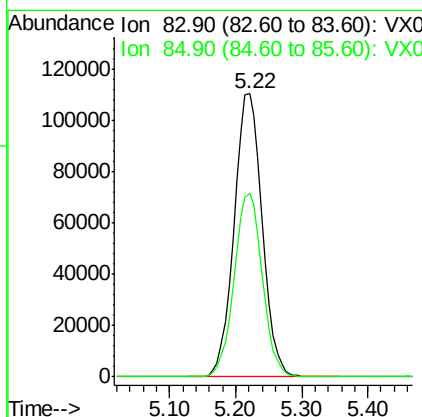
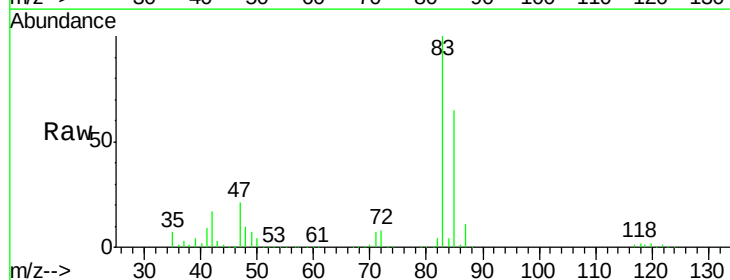
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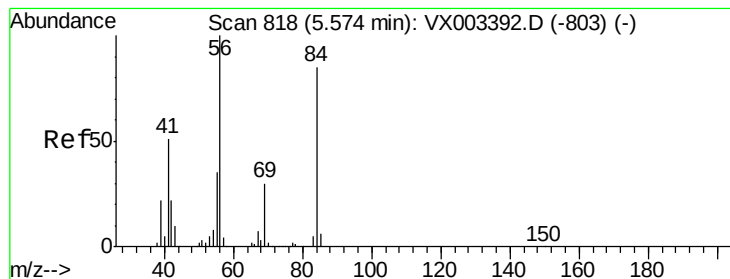
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#30
Chloroform
Concen: 45.67 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Tgt Ion	Ion	Ratio	Lower	Upper
83	83	100		
85	85	64.8	50.4	75.6





#31

Cyclohexane

Concen: 48.07 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

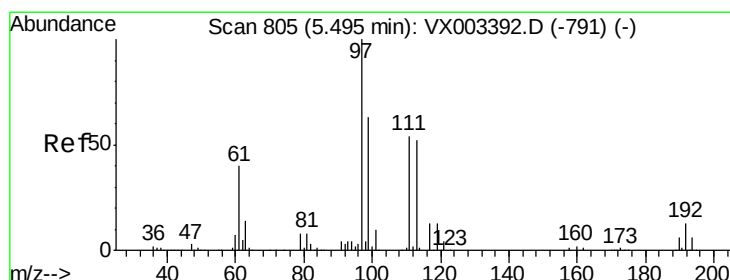
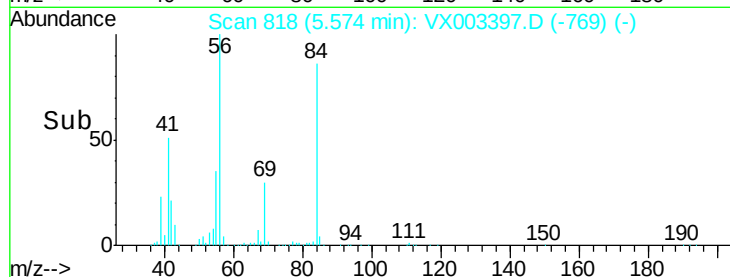
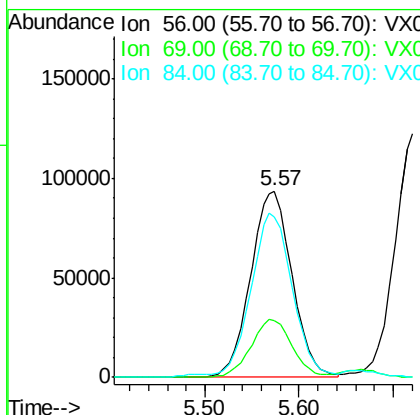
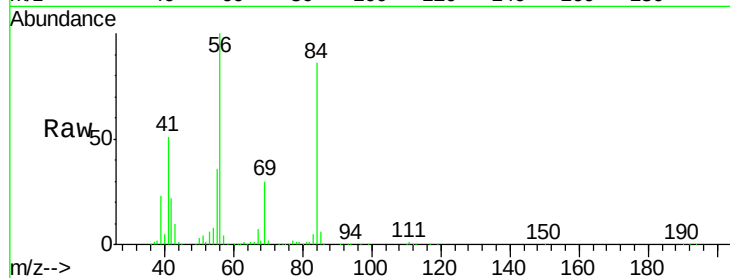
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	286732
Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.7	35.5
84	84.7	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.12 ug/l

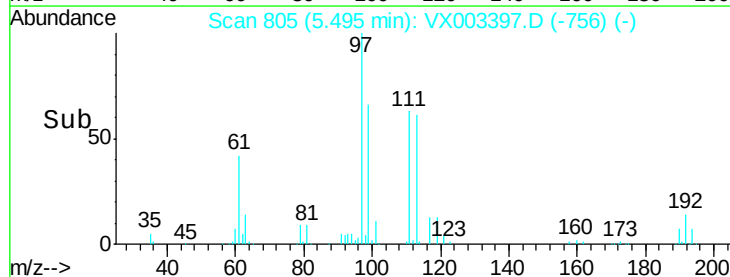
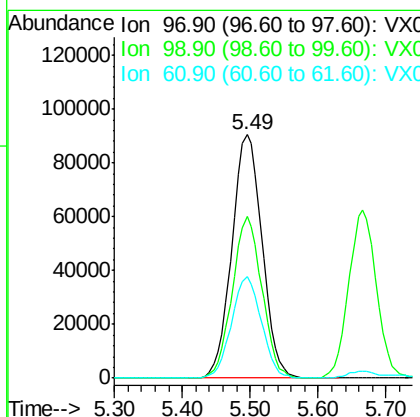
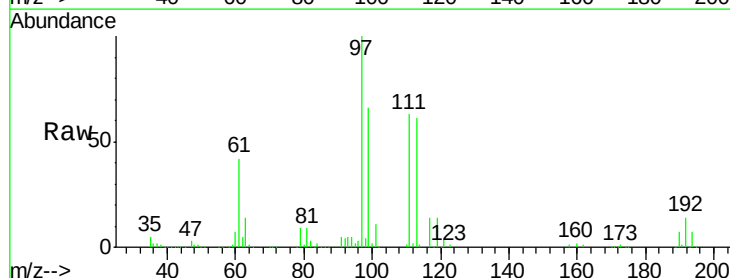
RT: 5.49 min Scan# 805

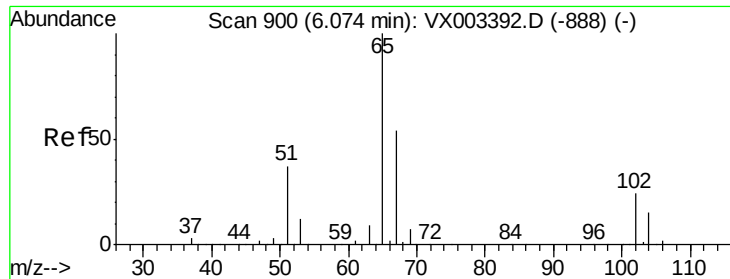
Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion:	97	Resp:	279204
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	41.2	36.4	54.6





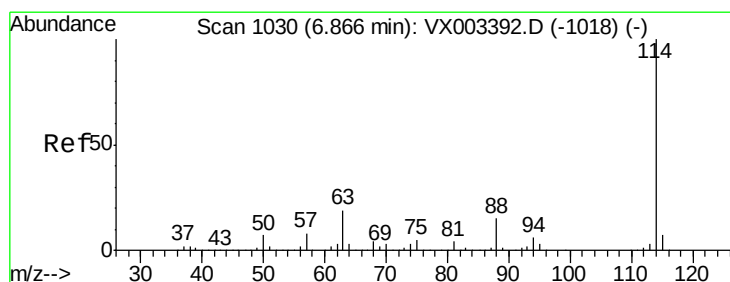
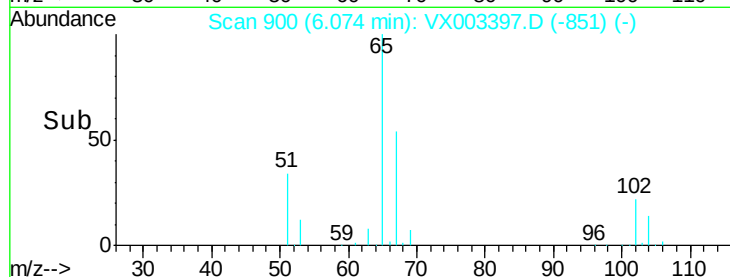
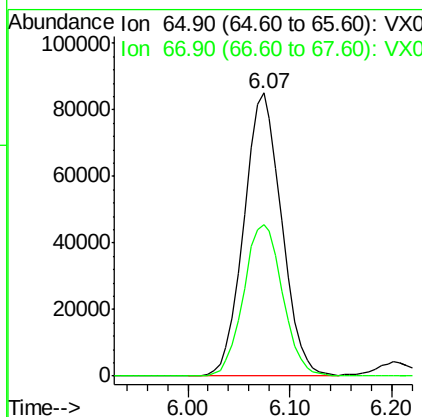
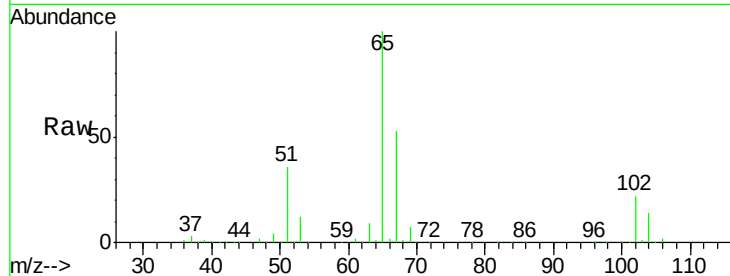
#33
 1,2-Dichloroethane-d4
 Concen: 45.52 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 218805
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 102.6

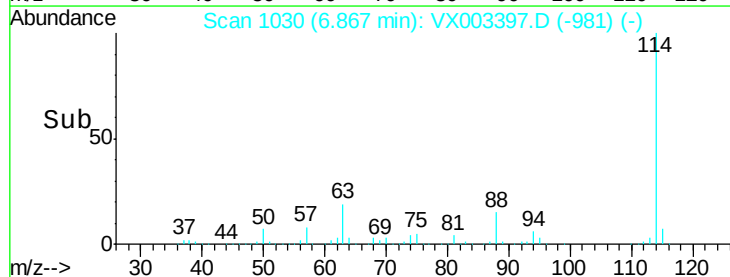
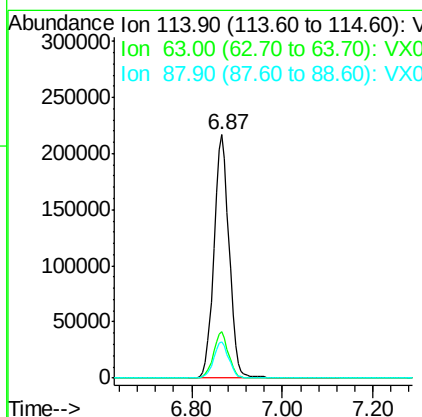
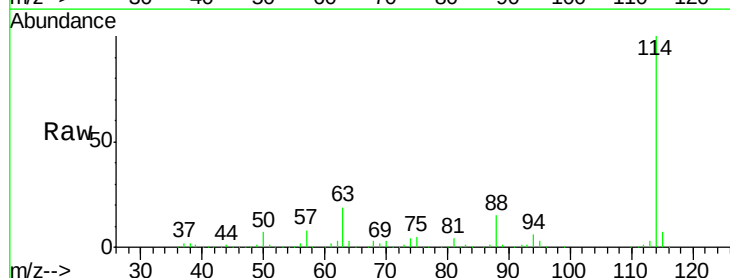
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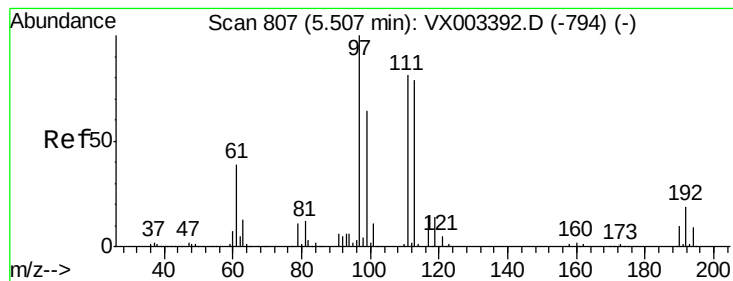
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion: 114 Resp: 508821
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.4
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.68 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

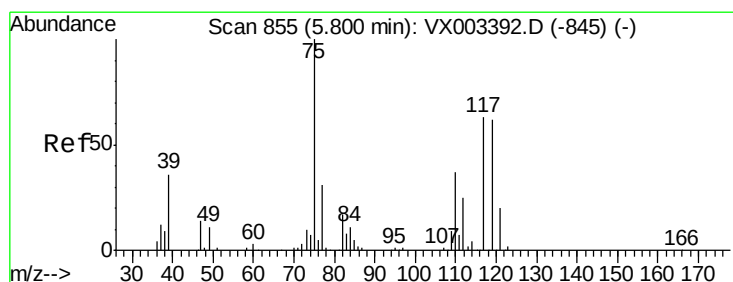
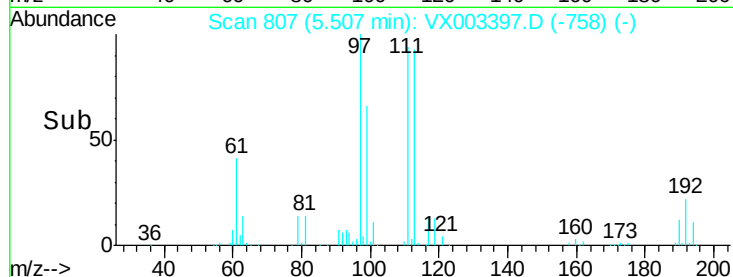
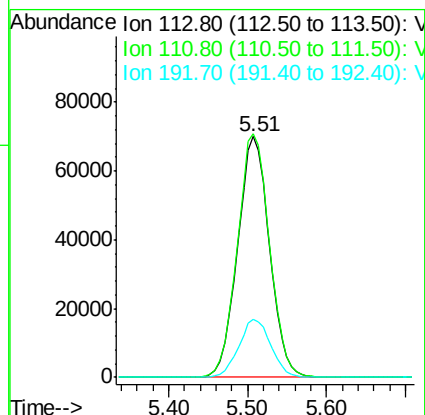
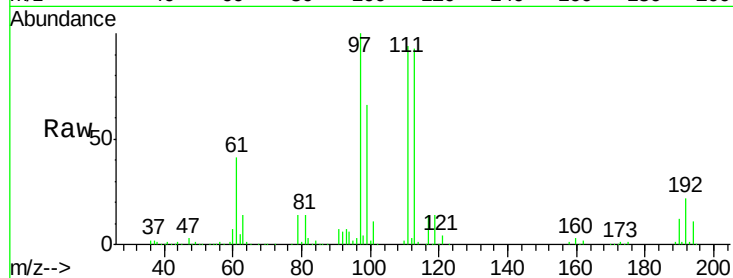
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	196288
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.4	122.0
192	24.3	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 47.70 ug/l

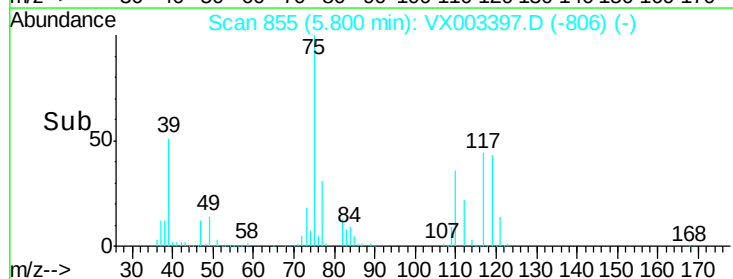
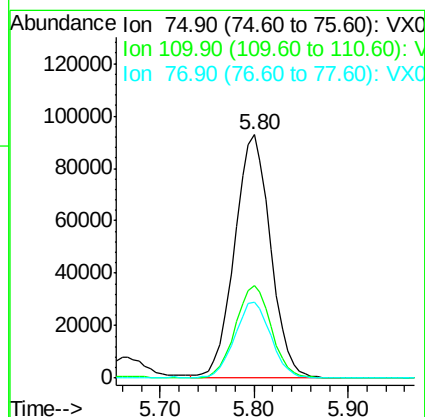
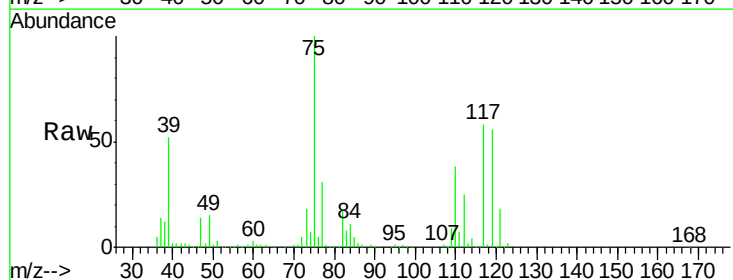
RT: 5.80 min Scan# 855

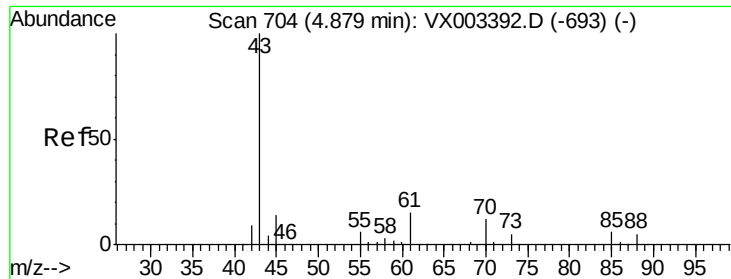
Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion:	75	Resp:	245772
Ion Ratio	Lower	Upper	
75	100		
110	38.3	18.1	54.4
77	31.1	24.3	36.5





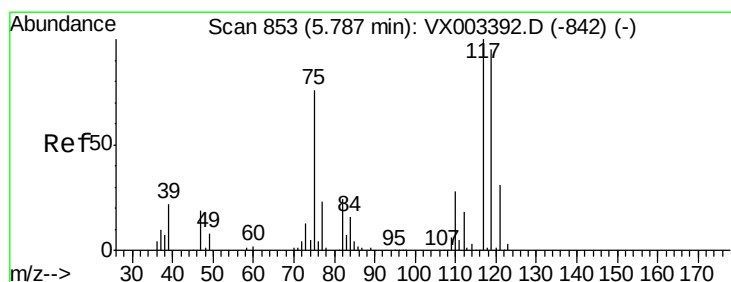
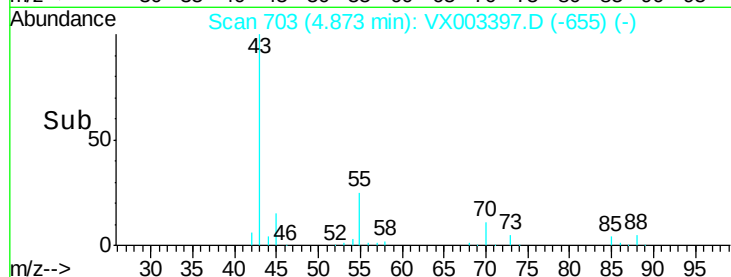
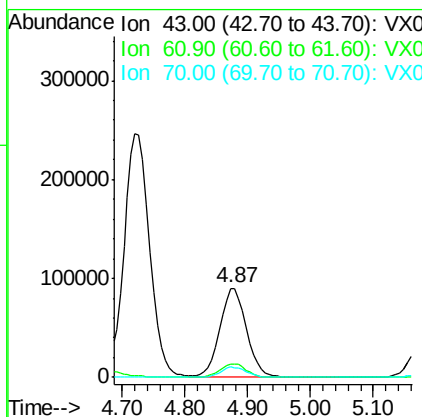
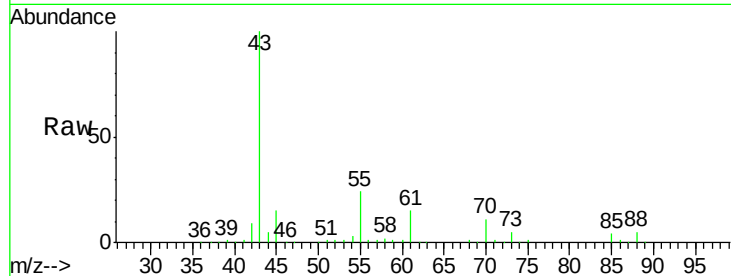
#37
Ethyl Acetate
Concen: 45.70 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.01 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.4	15.6
70	11.3	7.6	11.4

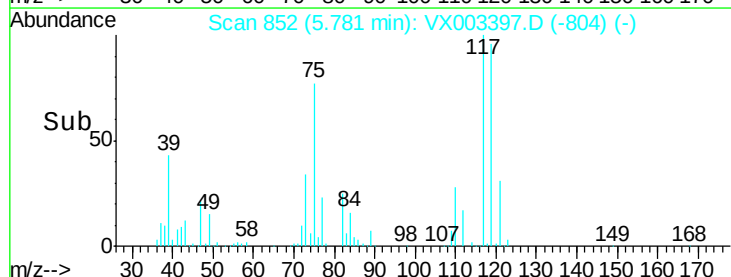
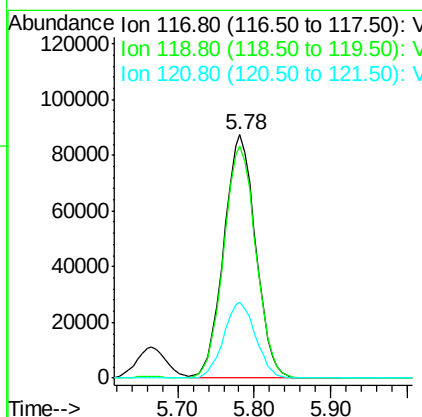
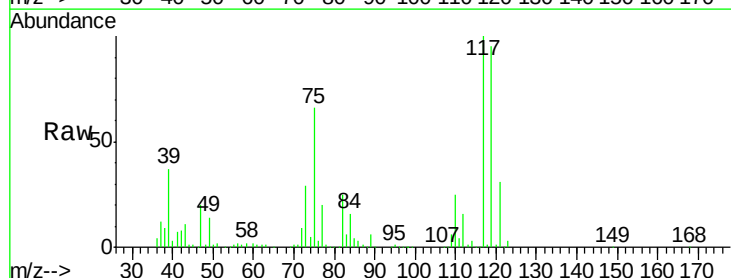
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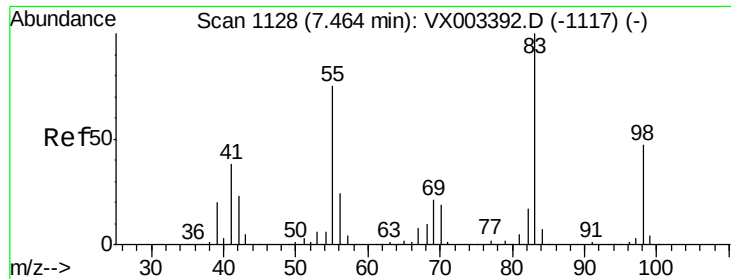
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#38
Carbon Tetrachloride
Concen: 47.99 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
121	31.2	24.4	36.6





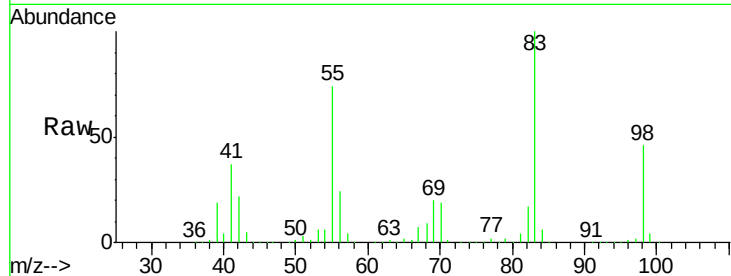
#39
Methylvlcyclohexane
Concen: 51.15 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

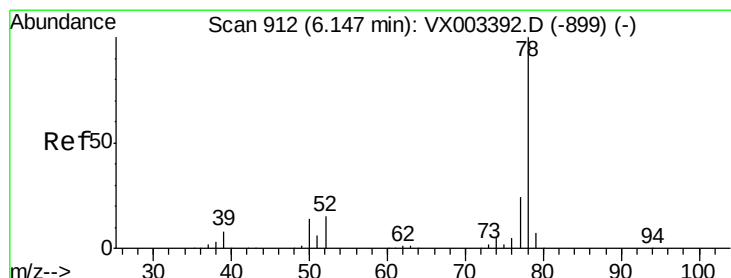
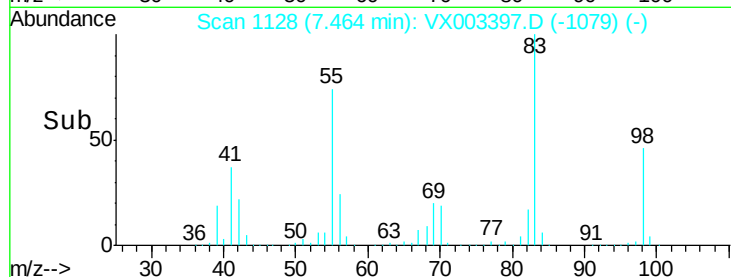
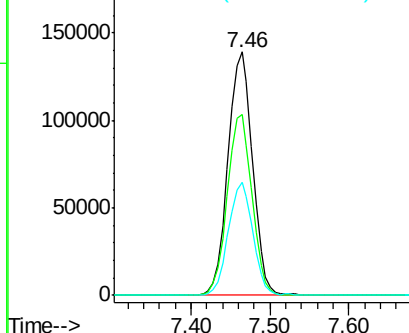
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.3	65.4	98.0	
98	46.5	37.4	56.0	

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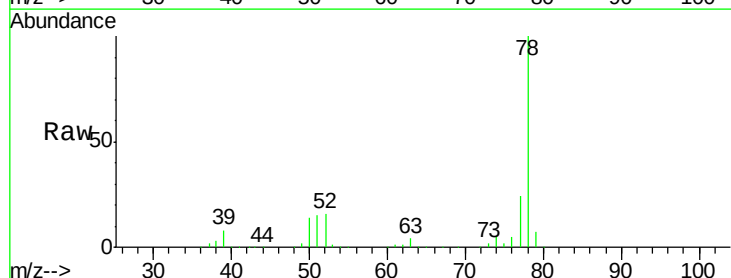


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

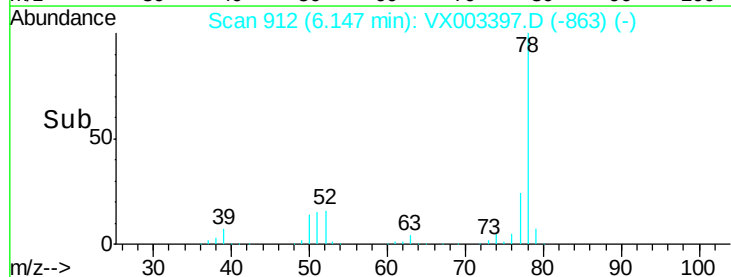
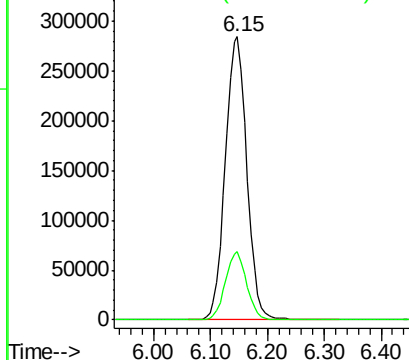


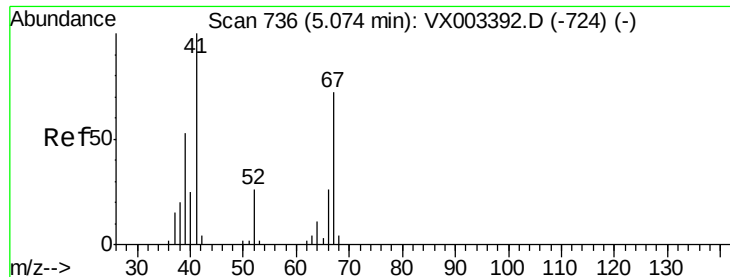
#40
Benzene
Concen: 47.79 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

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



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





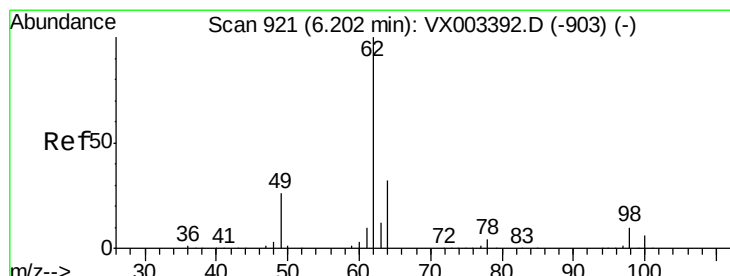
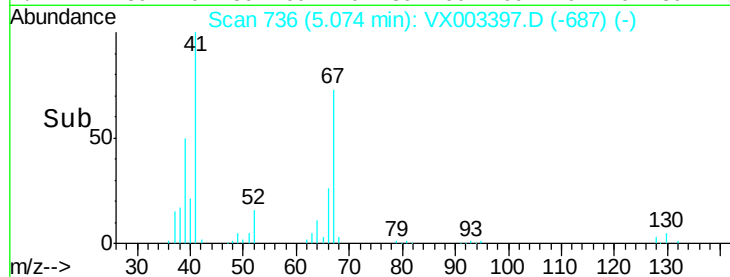
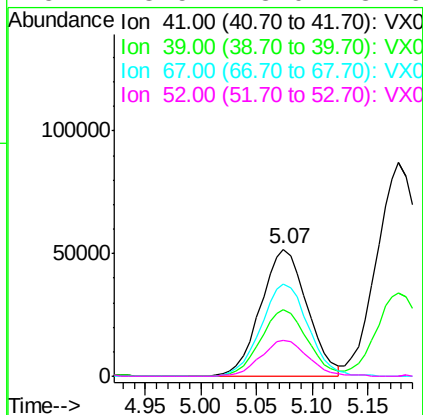
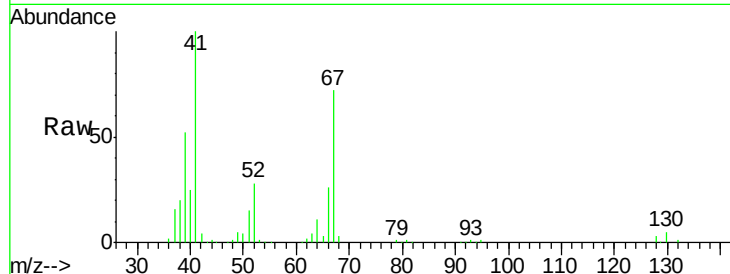
#41
Methacrylonitrile
Concen: 47.01 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		150115		
39	52.9	45.8	68.6		
67	74.0	51.3	76.9		
52	28.5	23.0	34.6		

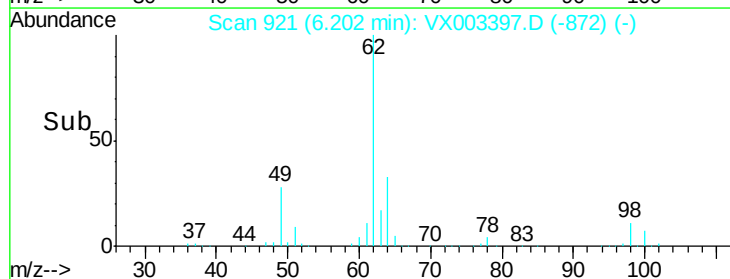
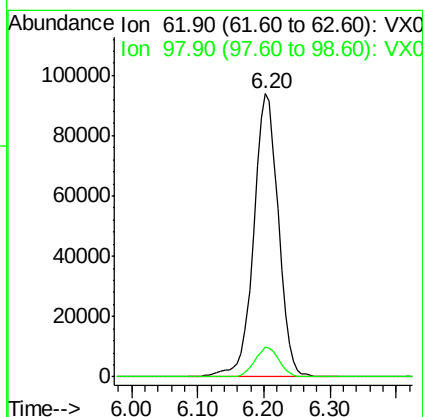
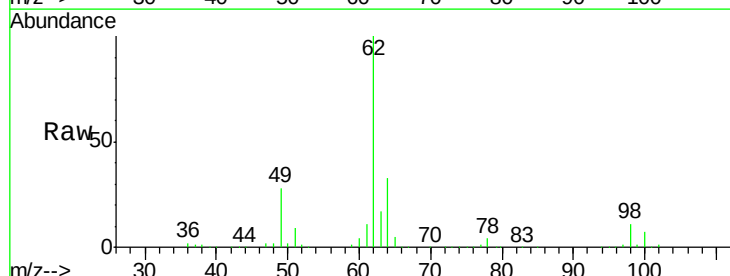
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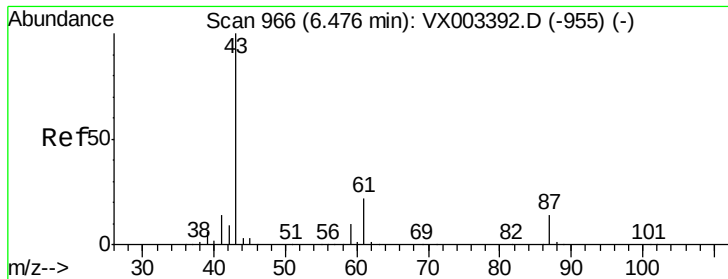
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#42
1,2-Dichloroethane
Concen: 45.33 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		243692		
98	10.3	0.0	16.6		





#43

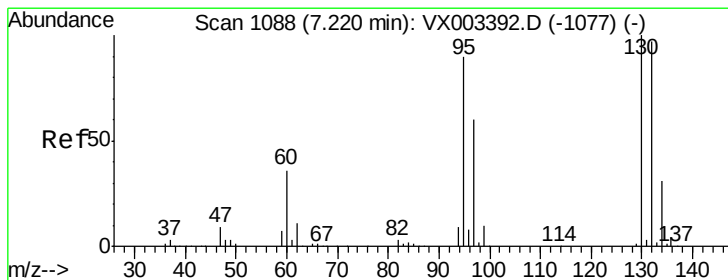
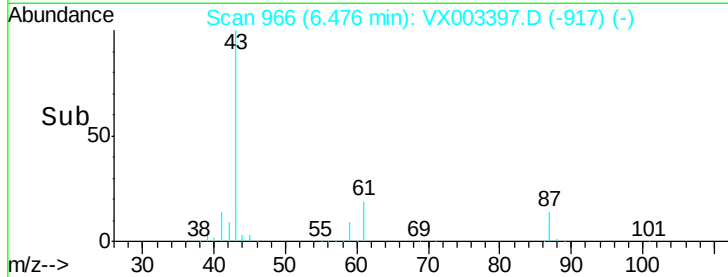
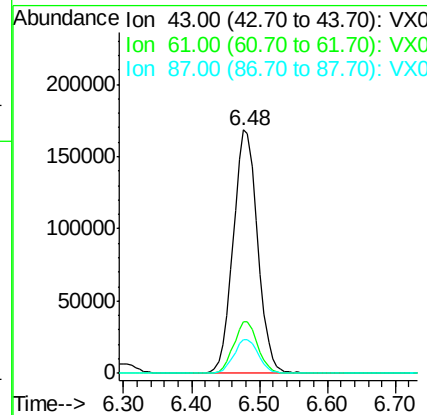
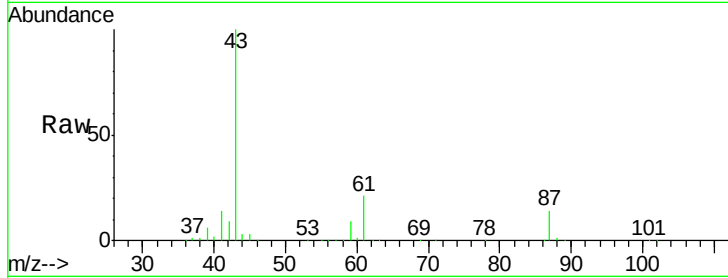
Isopropyl Acetate
 Concen: 47.59 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	14.4	21.6
87	14.1	9.5	14.3

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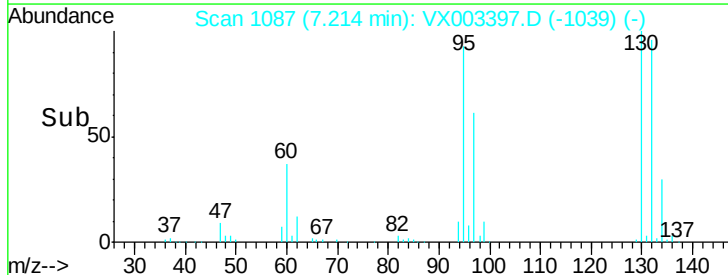
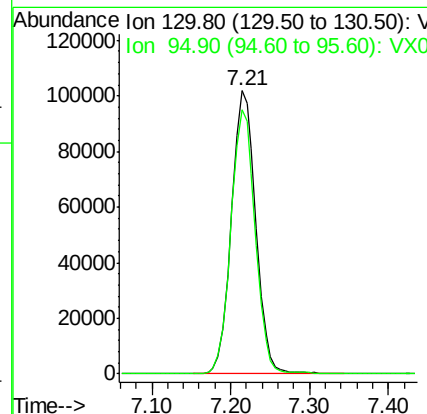
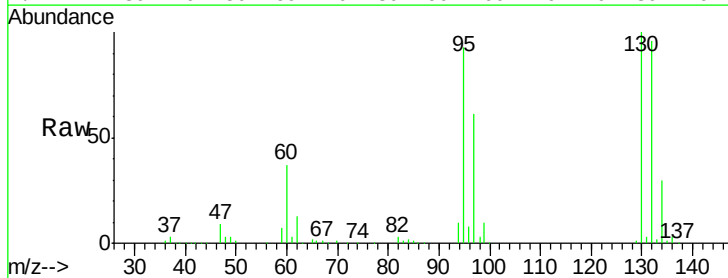
MMDadoda
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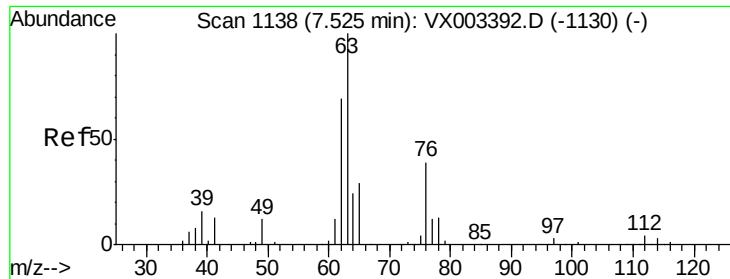


#44

Trichloroethene
 Concen: 48.11 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	185.4





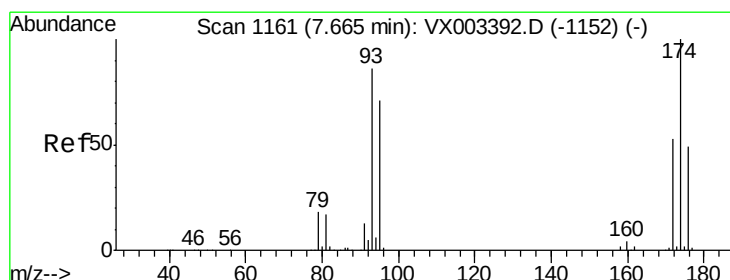
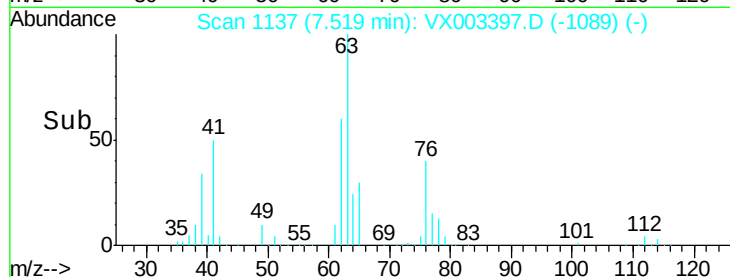
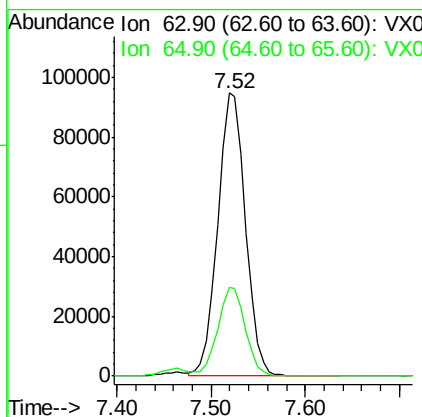
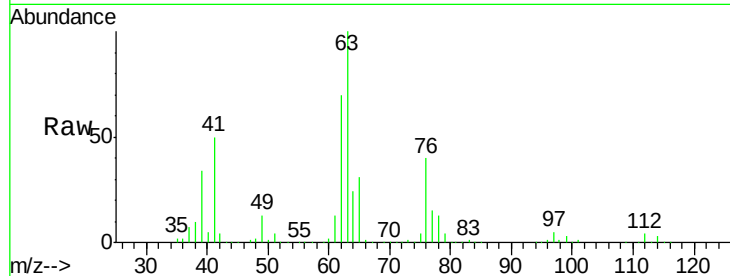
#45
 1,2-Dichloropropane
 Concen: 47.34 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 193063
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

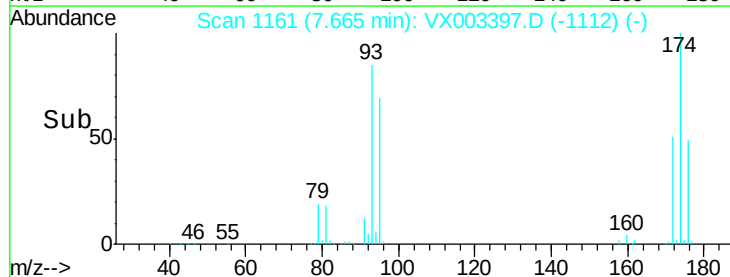
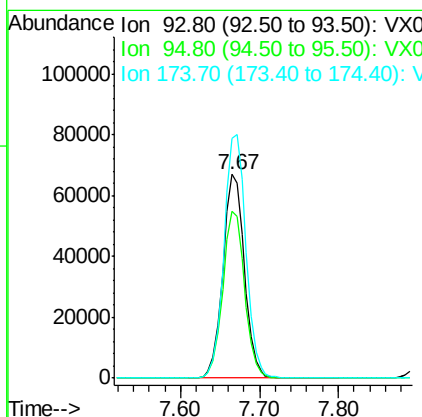
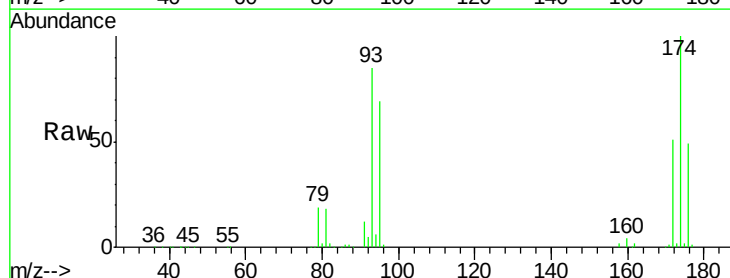
Manual Integrations
 APPROVED

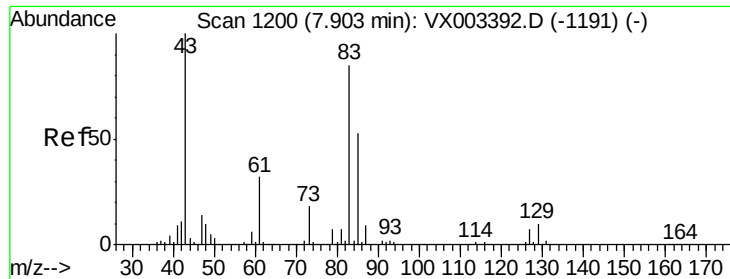
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#46
 Dibromomethane
 Concen: 46.87 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion: 93 Resp: 127276
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 121.8 92.4 138.6





#47

Bromodichloromethane

Concen: 48.22 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

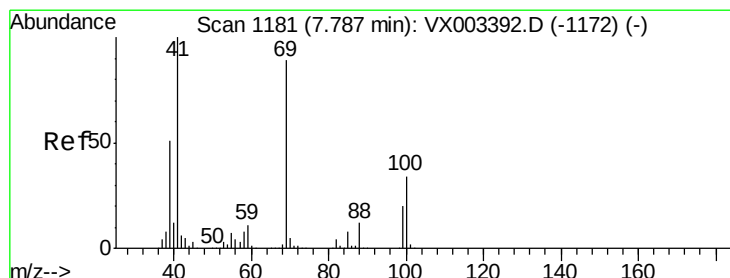
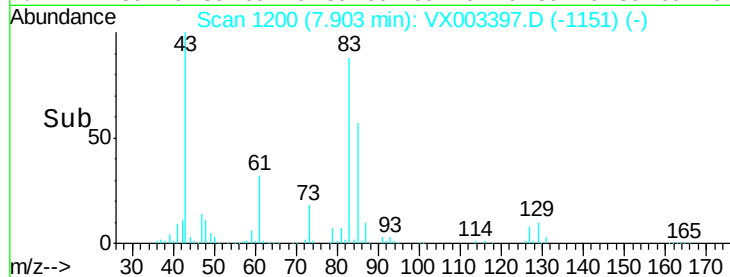
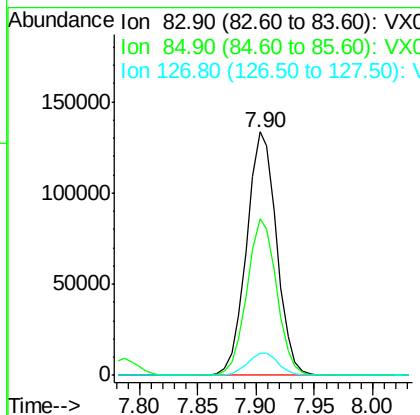
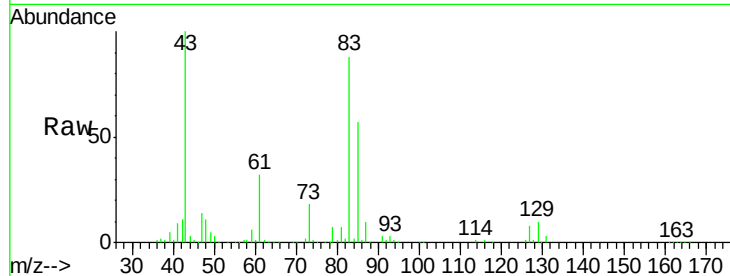
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	239777
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.3	75.5
127	9.2	7.0	10.4

Manual Integrations
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MMDadoda
7/17/2018 1:46:35 PM



#48

Methyl methacrylate

Concen: 48.78 ug/l

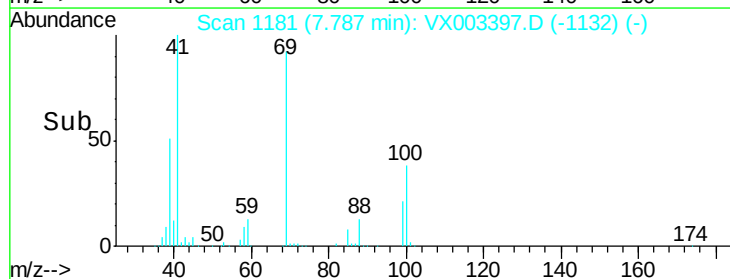
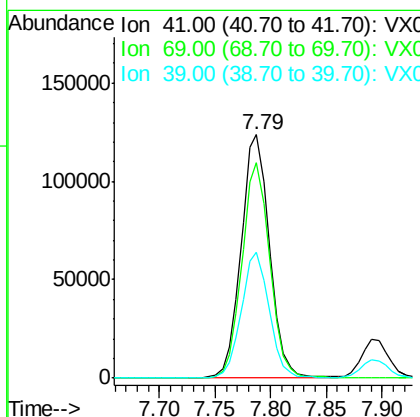
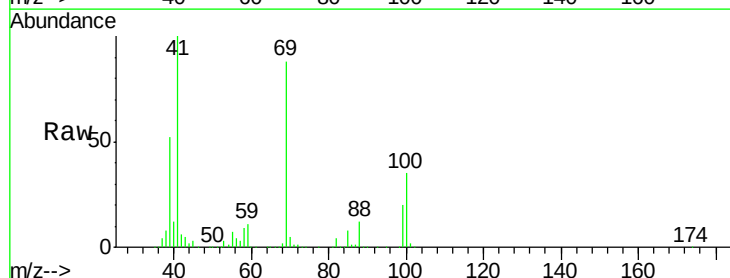
RT: 7.79 min Scan# 1181

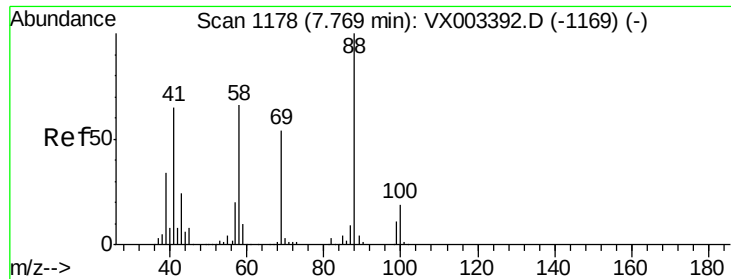
Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion:	41	Resp:	218068
Ion Ratio	Lower	Upper	
41	100		
69	87.8	59.1	88.7
39	50.8	48.9	73.3





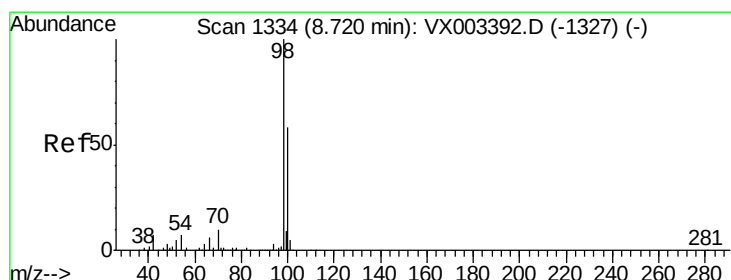
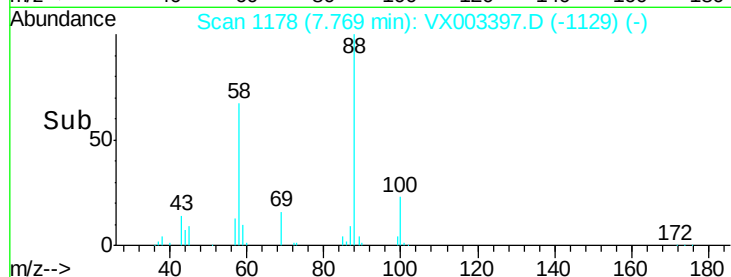
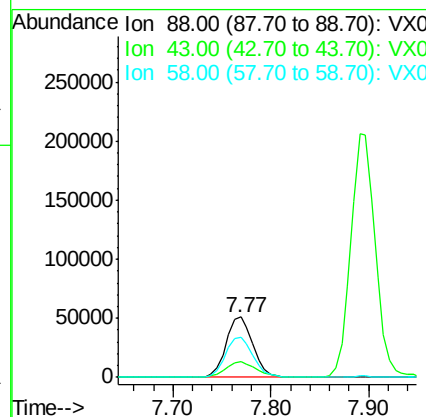
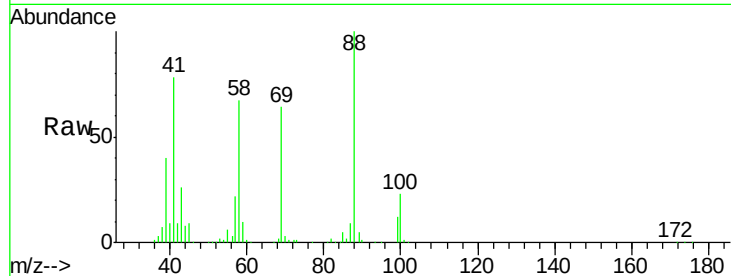
#49
1,4-Dioxane
Concen: 943.13 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	96542
Ion Ratio	Lower	Upper	
88	100		
43	29.9	29.8	44.6
58	70.2	57.1	85.7

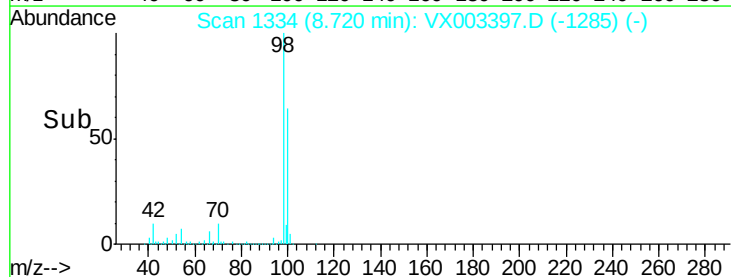
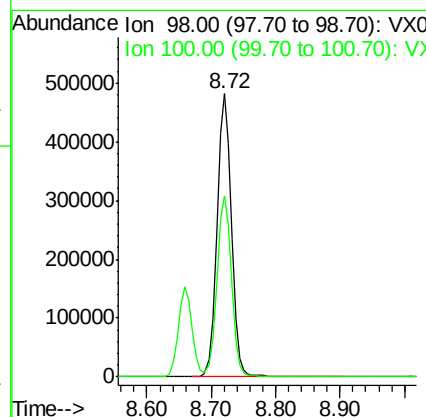
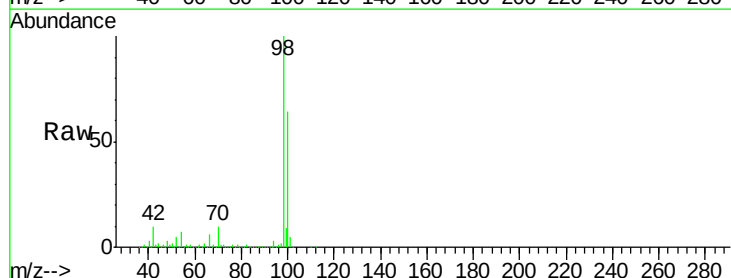
Manual Integrations
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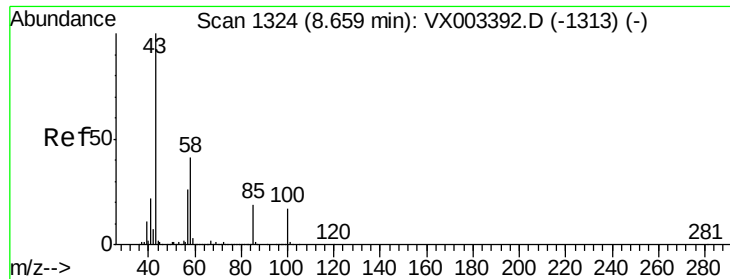
MMDadoda
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#50
Toluene-d8
Concen: 49.90 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Tgt Ion	98	Resp	758184
Ion Ratio	Lower	Upper	
98	100		
100	64.3	50.9	76.3





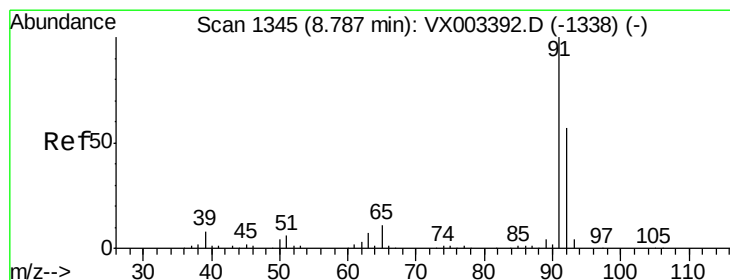
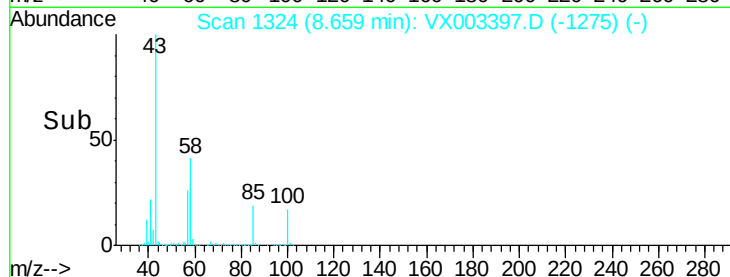
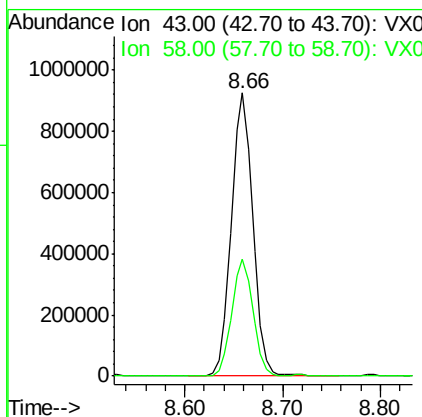
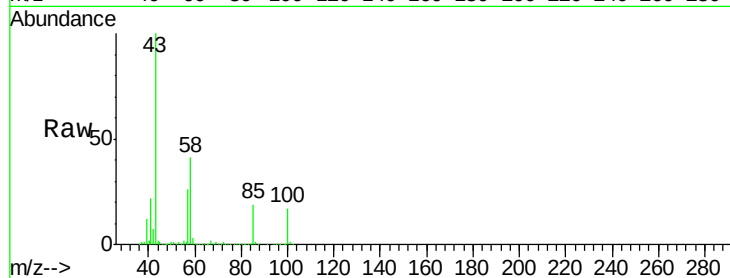
#51
 4-Methyl-2-Pentanone
 Concen: 244.58 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1410896
 Ion Ratio Lower Upper
 43 100
 58 40.9 28.6 42.8

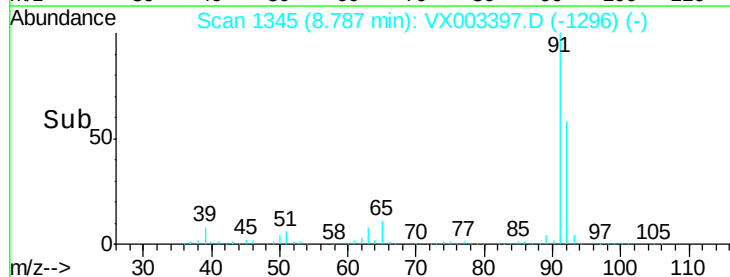
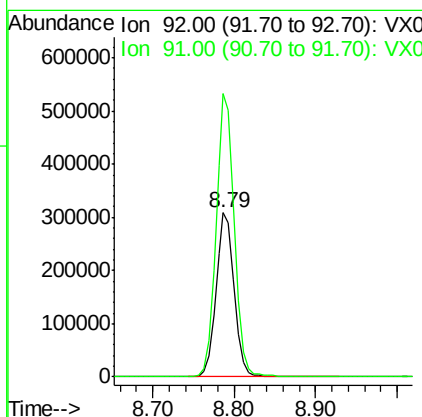
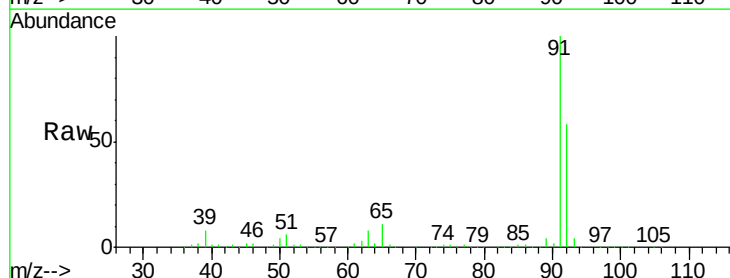
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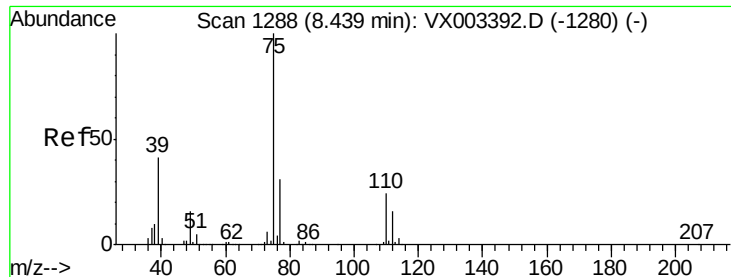
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#52
 Toluene
 Concen: 49.00 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion: 92 Resp: 480941
 Ion Ratio Lower Upper
 92 100
 91 173.8 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 51.00 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 299465

Ion Ratio Lower Upper

75 100

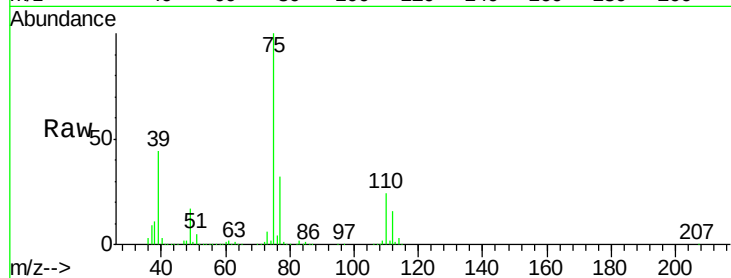
77 32.0 25.4 38.2

Manual Integrations

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MMDadoda

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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

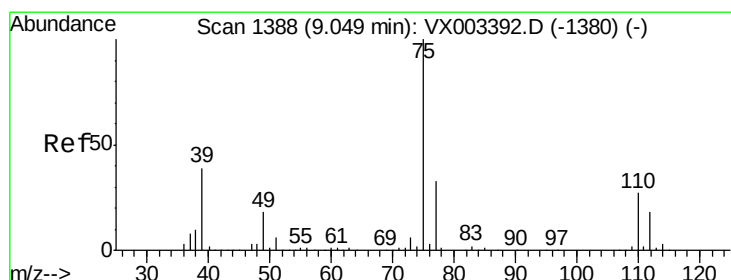
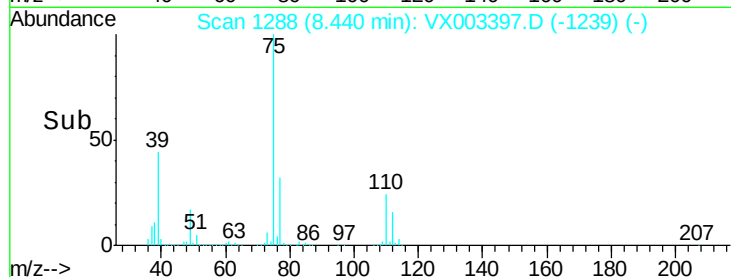
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.74 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

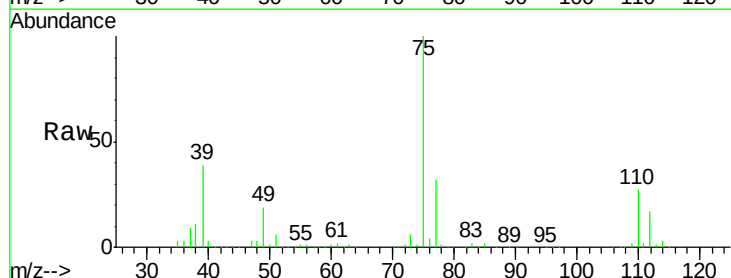
Tgt Ion: 75 Resp: 271889

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 39.4 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

9.05

250000

200000

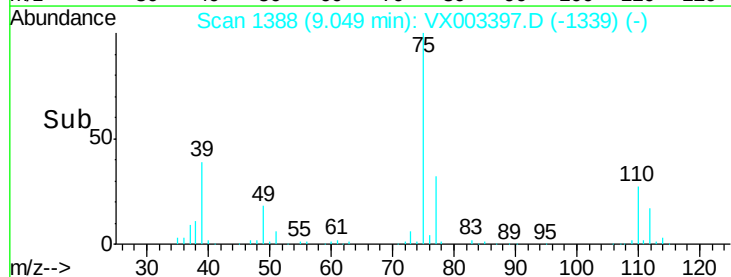
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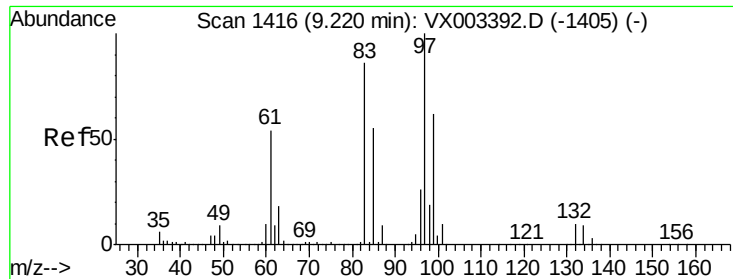
100000

50000

0

Time-->





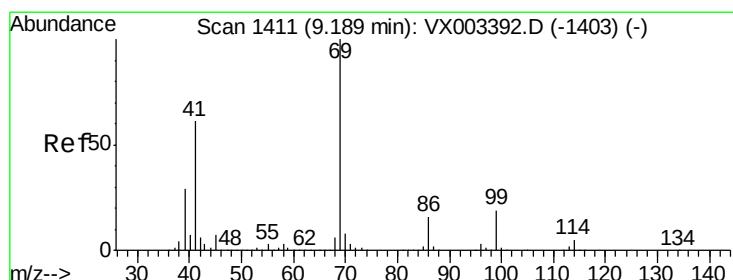
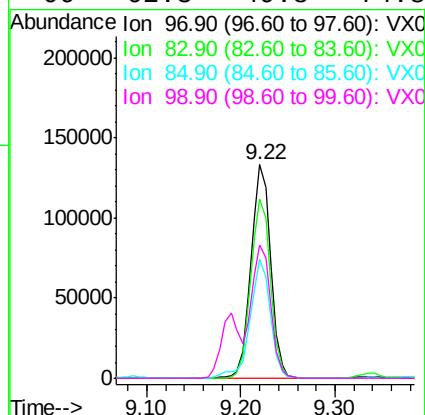
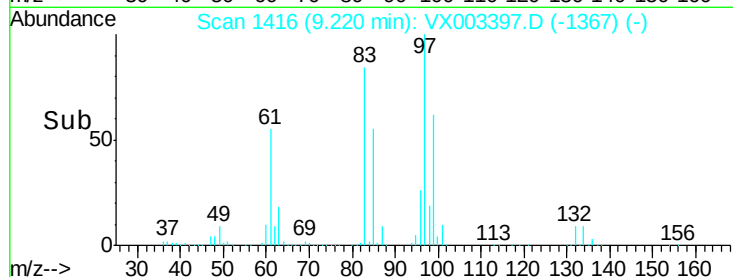
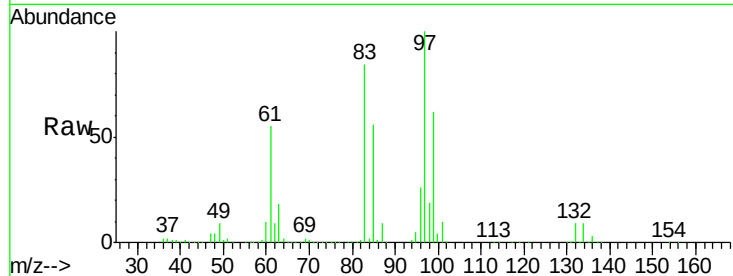
#55
 1,1,2-Trichloroethane
 Concen: 47.76 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	195872
Ion	Ratio	Lower	Upper
97	100		
83	84.0	70.2	105.2
85	55.5	44.9	67.3
99	62.3	49.8	74.8

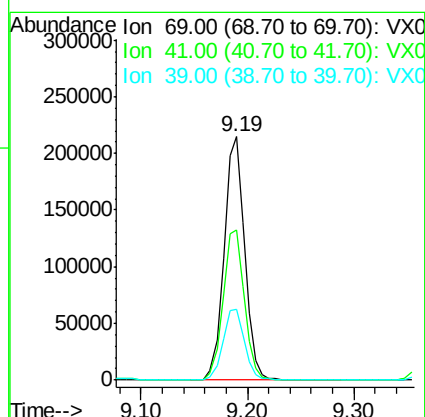
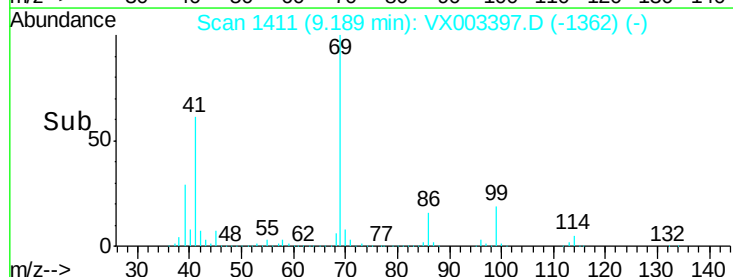
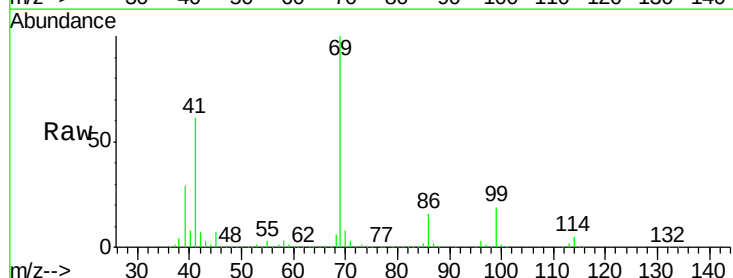
Manual Integrations
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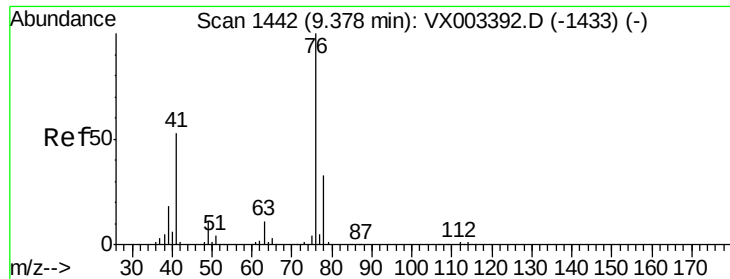
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#56
 Ethyl methacrylate
 Concen: 49.89 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion:	69	Resp:	289690
Ion	Ratio	Lower	Upper
69	100		
41	63.4	60.3	90.5
39	30.4	35.8	53.8#





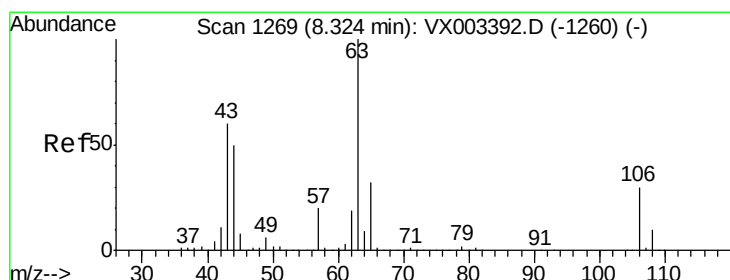
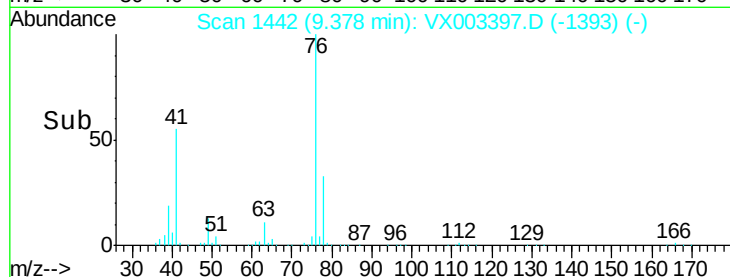
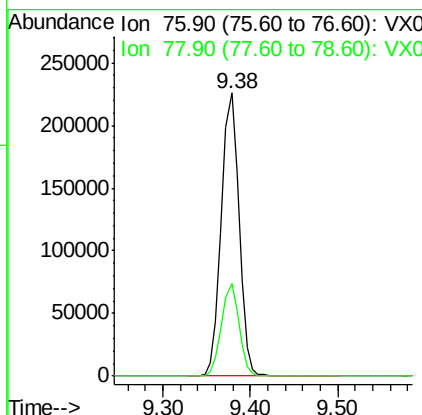
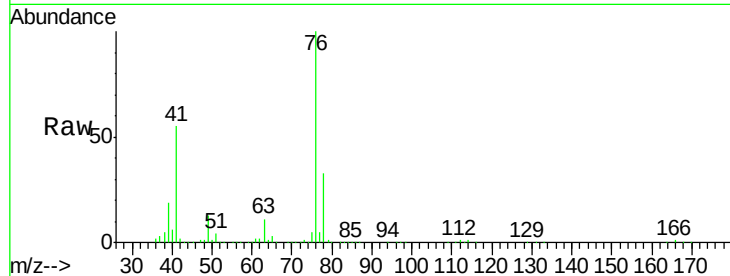
#57
 1,3-Dichloropropane
 Concen: 48.07 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 316745
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

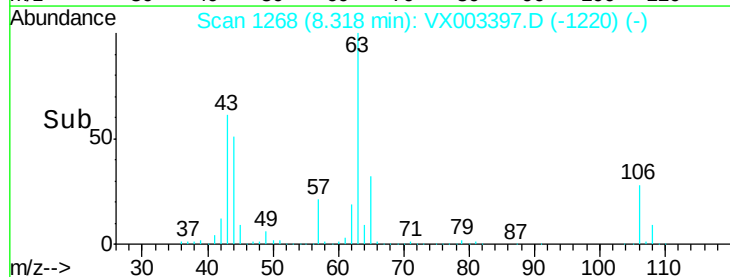
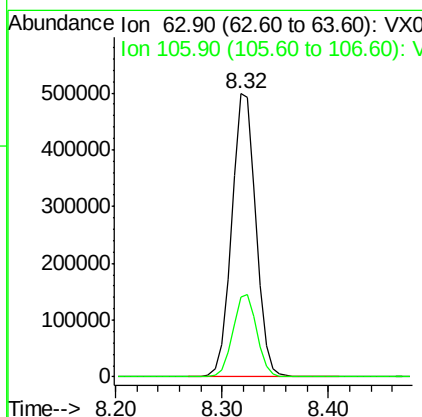
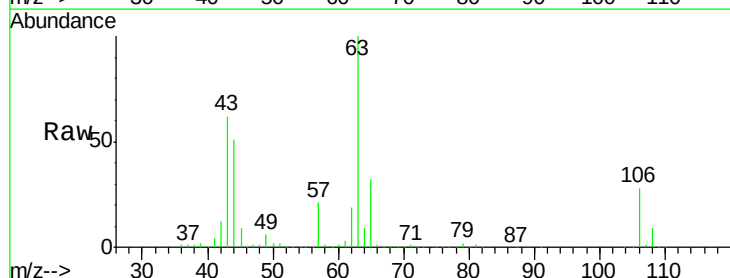
Manual Integrations
 APPROVED

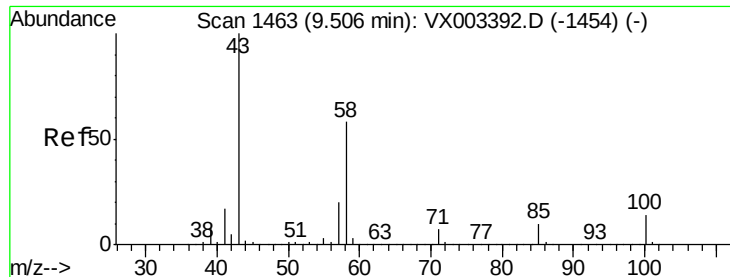
MMDadoda
 7/17/2018 1:46:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.78 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion: 63 Resp: 794236
 Ion Ratio Lower Upper
 63 100
 106 28.8 21.8 32.8





#59

2-Hexanone

Concen: 247.59 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1097362

Ion Ratio Lower Upper

43 100

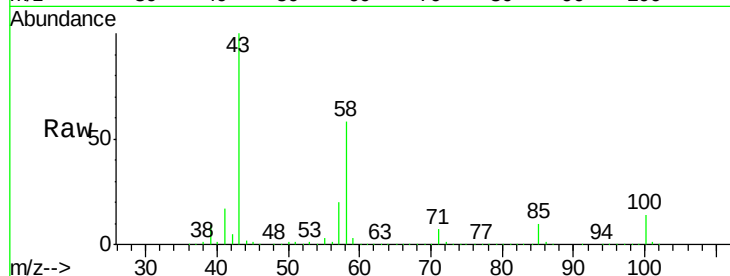
58 56.9 24.6 73.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX003397.D (-1414) (-)

Ion 58.00 (57.70 to 58.70): VX003397.D (-1414) (-)

9.51

800000

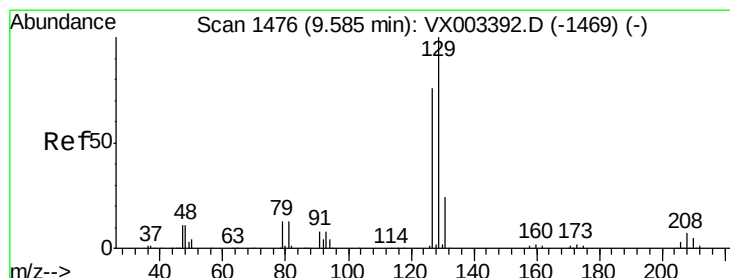
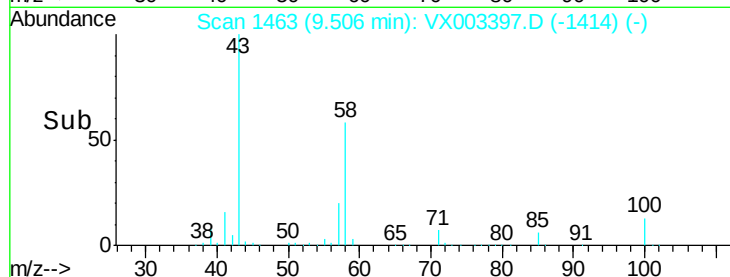
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 49.41 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003397.D

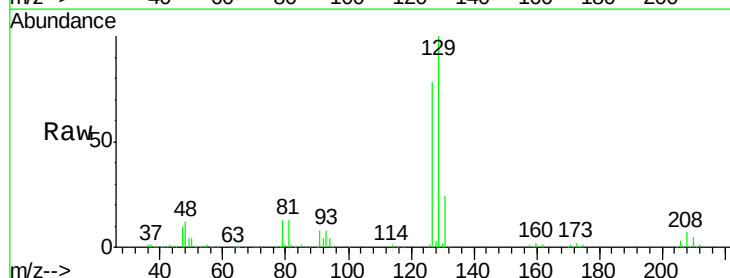
Acq: 16 Jul 2018 16:27

Tgt Ion: 129 Resp: 201346

Ion Ratio Lower Upper

129 100

127 77.3 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): VX003397.D (-1427) (-)

Ion 126.80 (126.50 to 127.50): VX003397.D (-1427) (-)

9.59

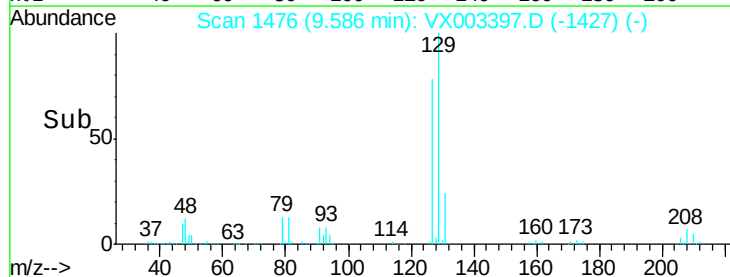
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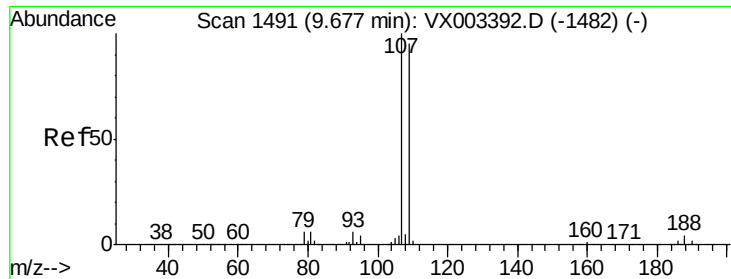
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 48.63 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 205572

Ion Ratio Lower Upper

107 100

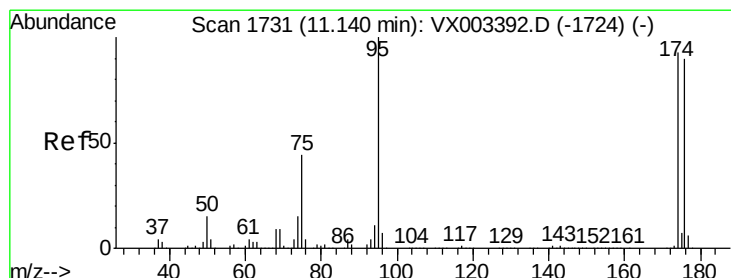
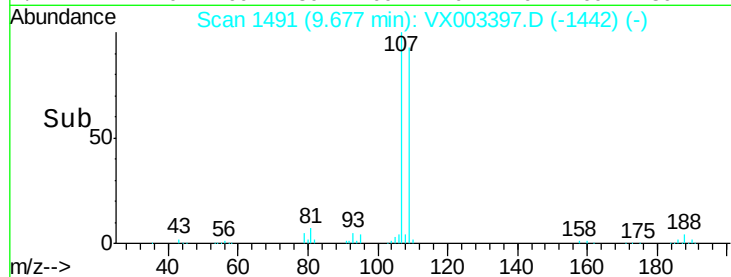
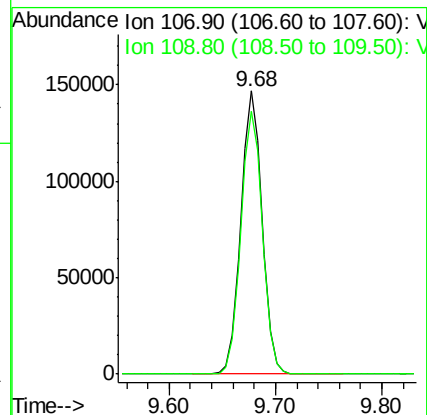
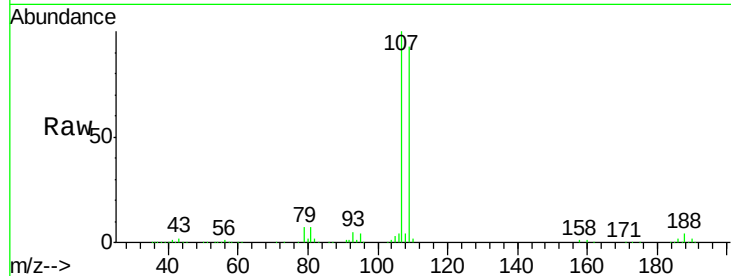
109 94.5 75.3 112.9

Manual Integrations

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7/17/2018 1:46:35 PM



#62

4-Bromofluorobenzene

Concen: 51.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

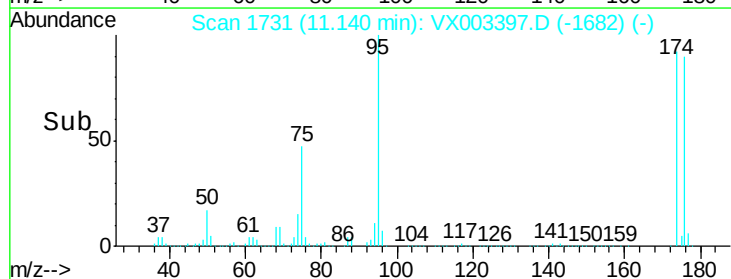
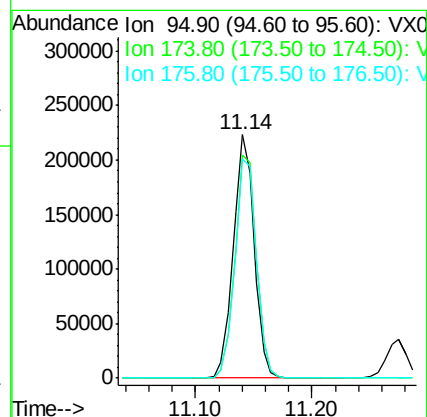
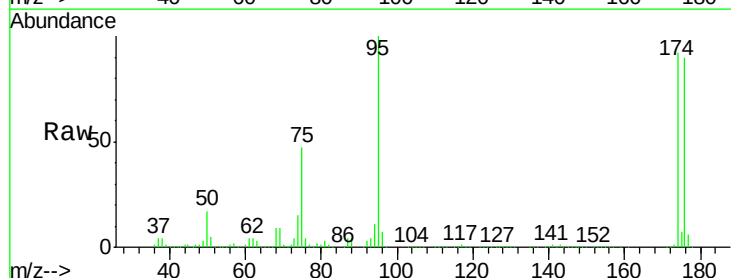
Tgt Ion: 95 Resp: 278383

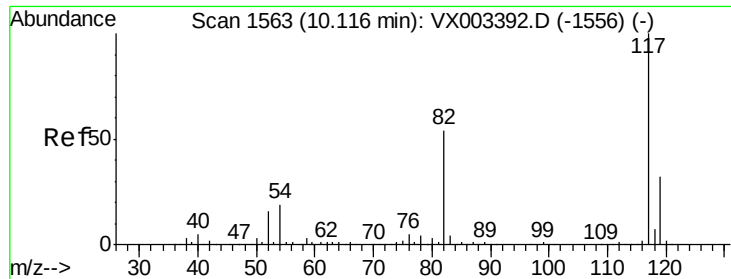
Ion Ratio Lower Upper

95 100

174 95.1 0.0 187.4

176 93.3 0.0 181.0





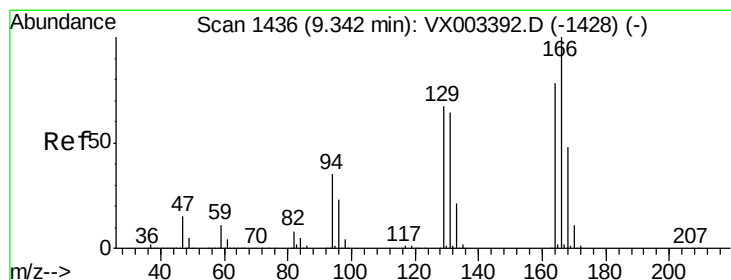
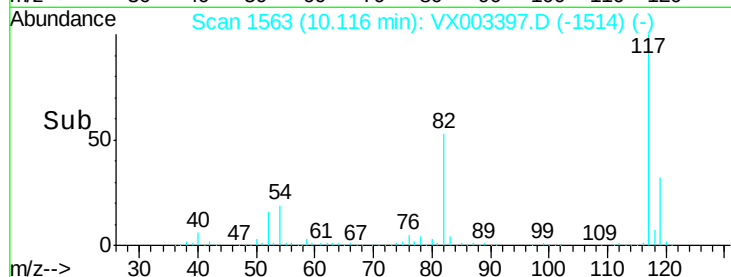
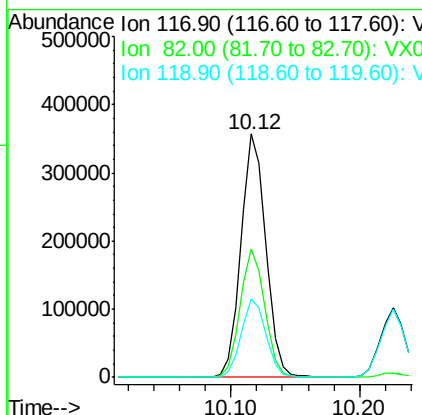
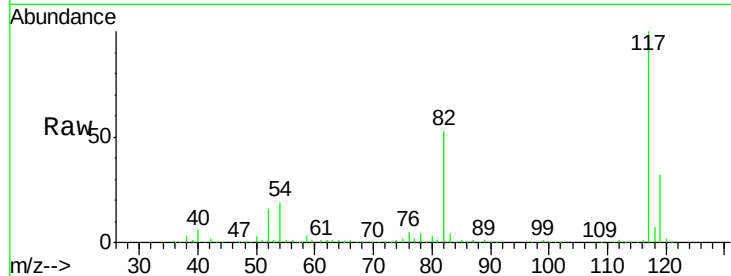
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.0	67.4
119	32.2	25.8	38.6

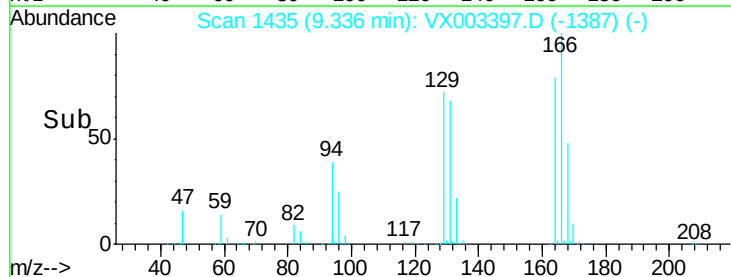
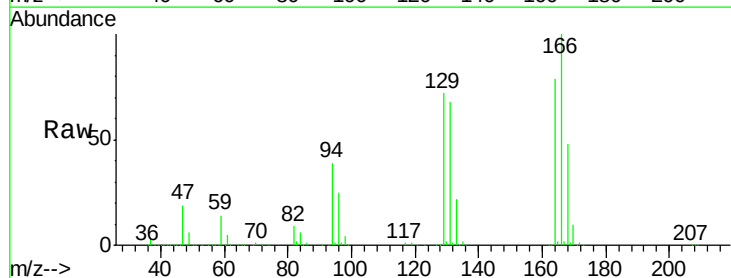
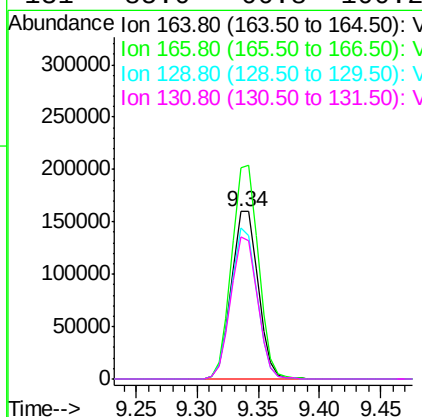
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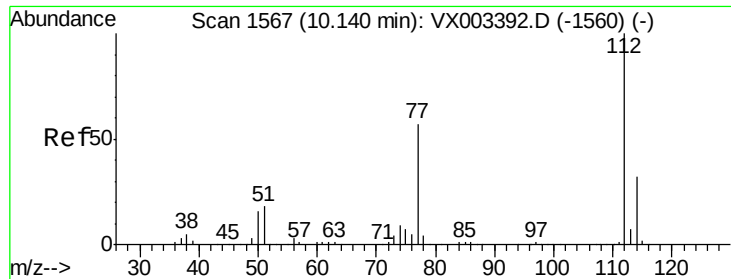
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#64
Tetrachloroethene
Concen: 48.66 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.9	154.3
129	90.3	68.6	102.8
131	85.0	66.8	100.2





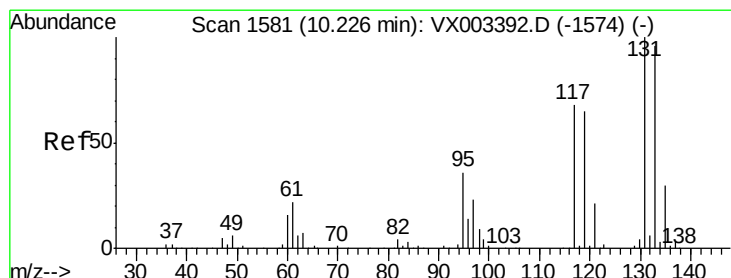
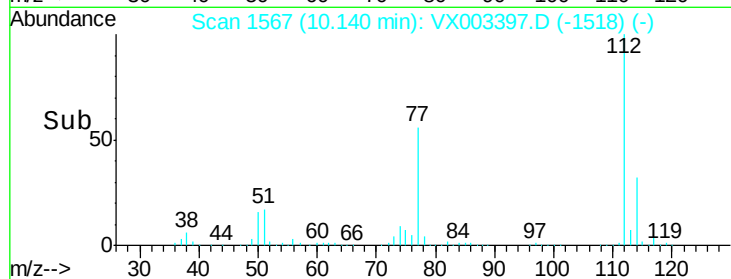
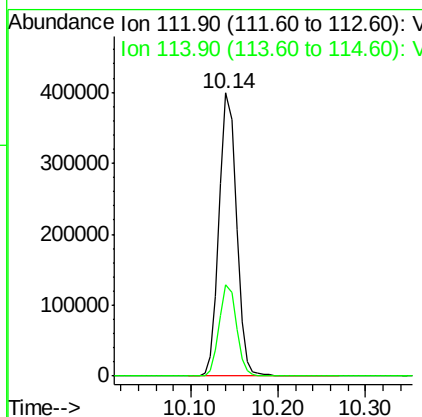
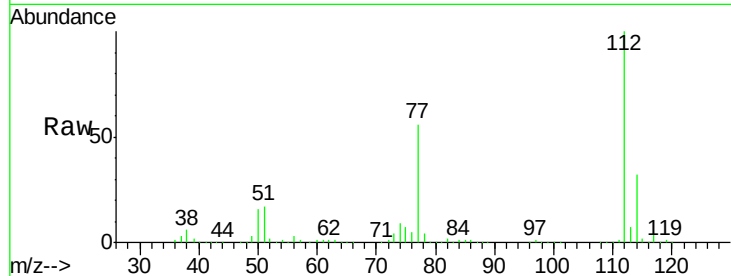
#65
Chlorobenzene
Concen: 48.98 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 549954
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

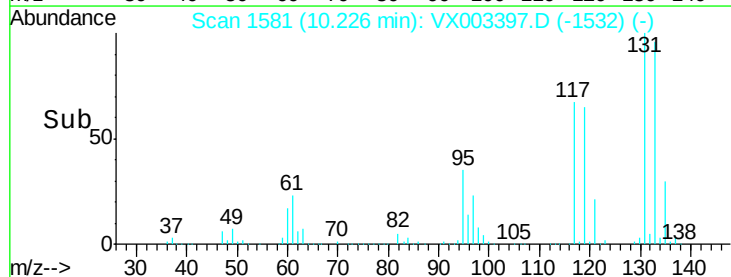
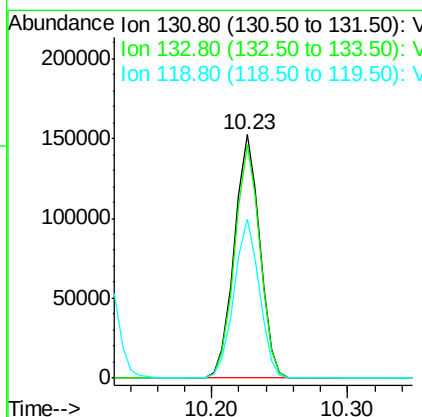
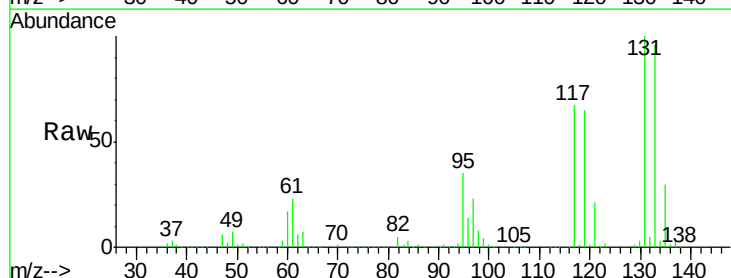
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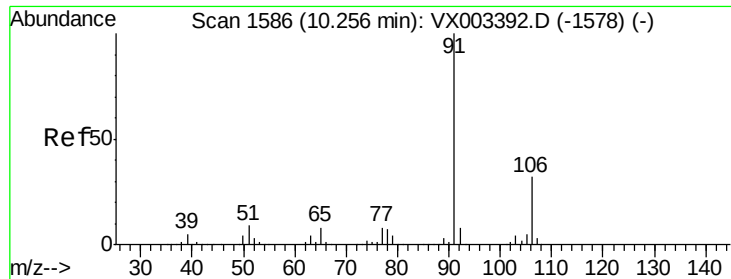
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.67 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Tgt Ion:131 Resp: 198236
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.6
119 65.1 31.8 95.3





#67

Ethyl Benzene

Concen: 50.30 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 923118

Ion Ratio Lower Upper

91 100

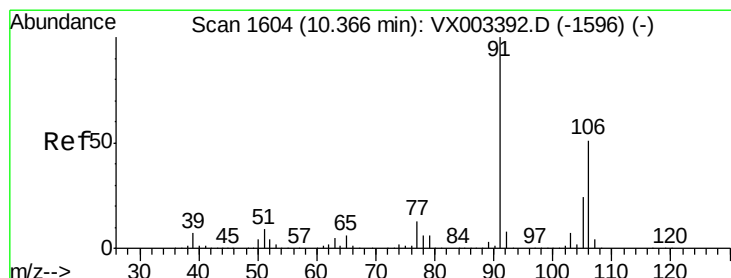
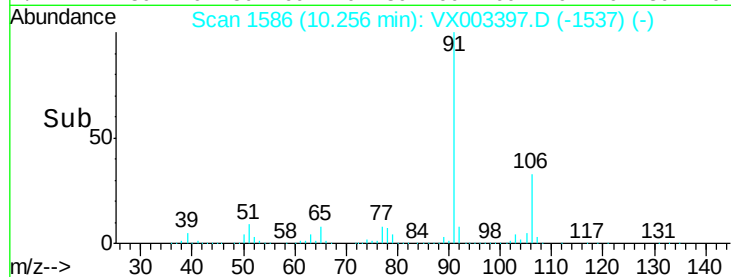
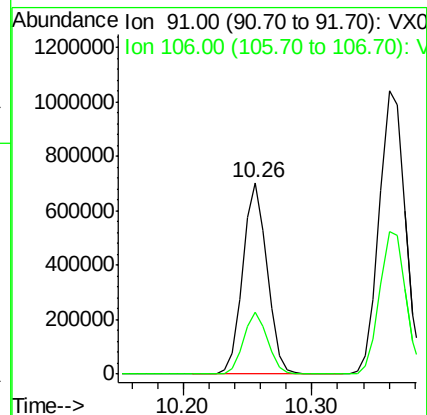
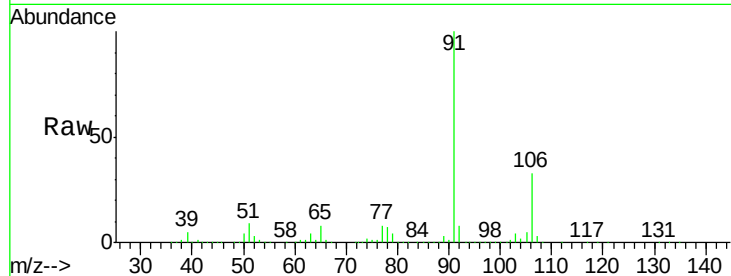
106 32.5 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.02 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX003397.D

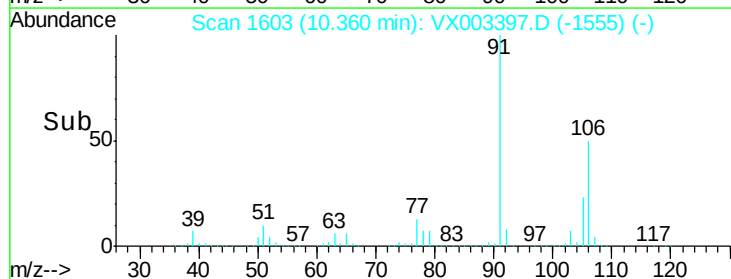
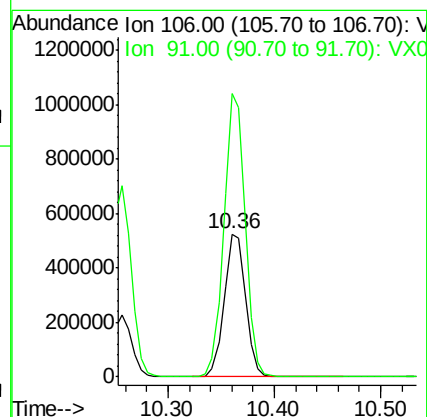
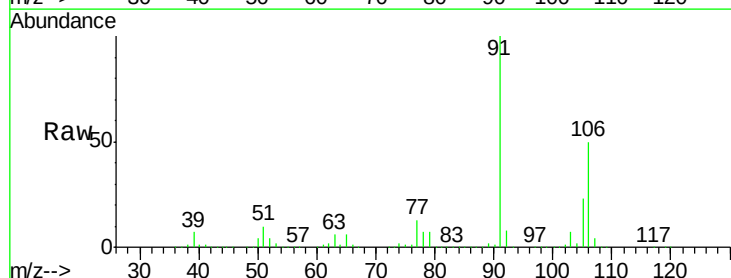
Acq: 16 Jul 2018 16:27

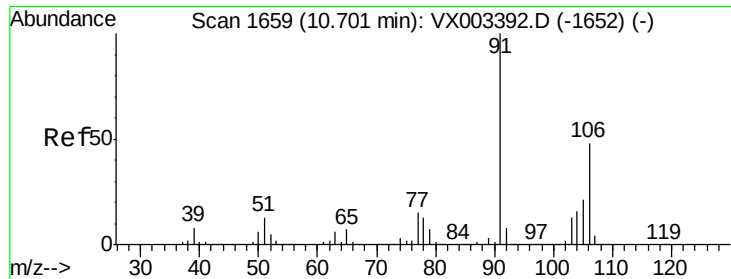
Tgt Ion: 106 Resp: 731319

Ion Ratio Lower Upper

106 100

91 197.9 163.4 245.2





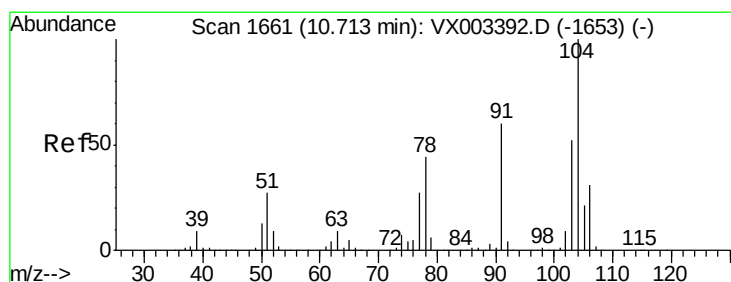
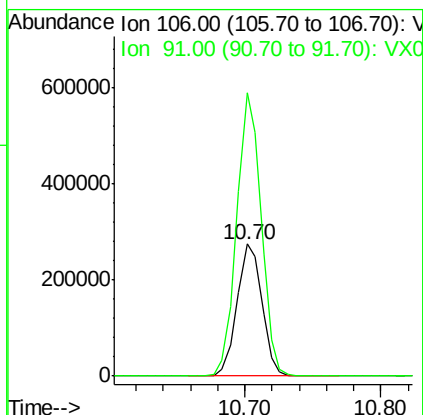
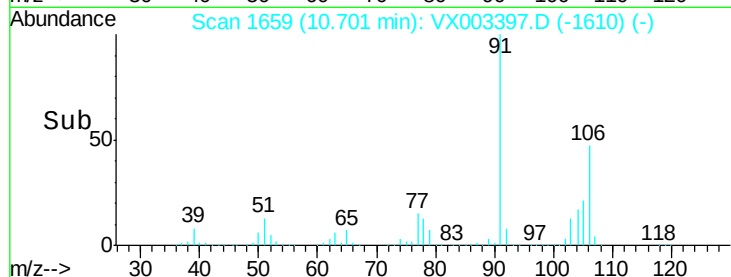
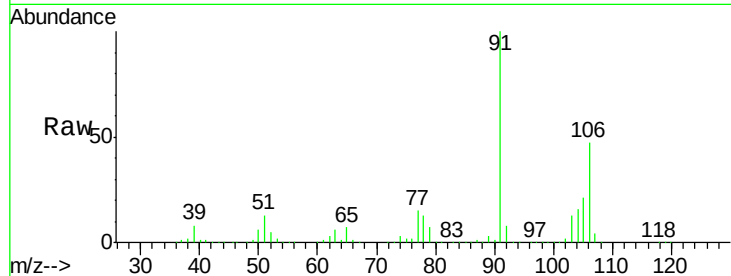
#69
o-Xylene
Concen: 51.46 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 350856
Ion Ratio Lower Upper
106 100
91 210.2 108.2 324.6

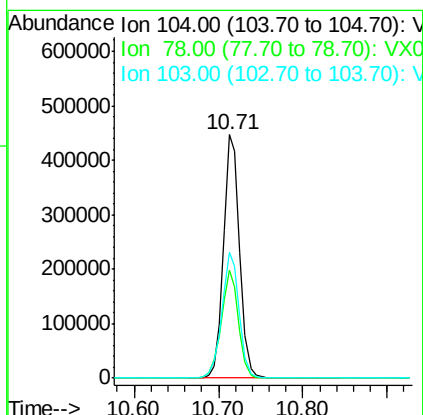
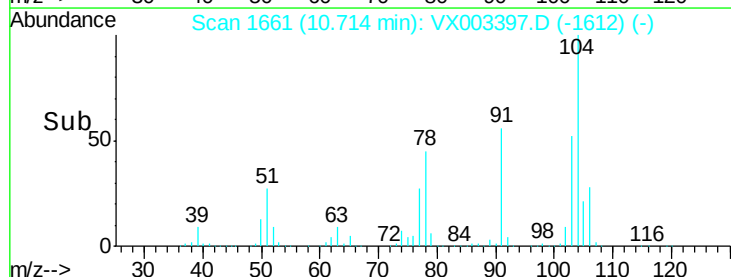
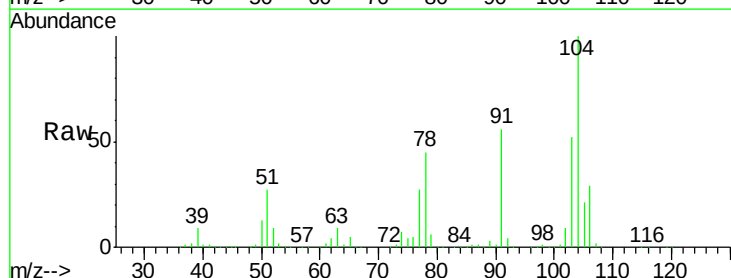
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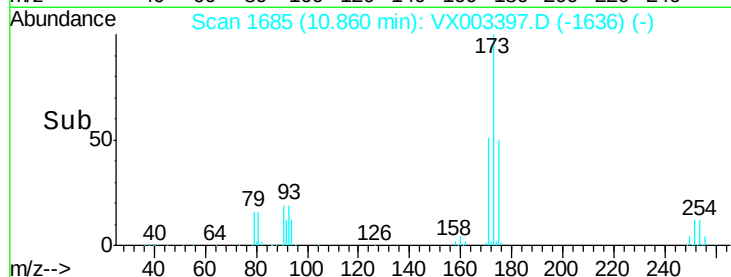
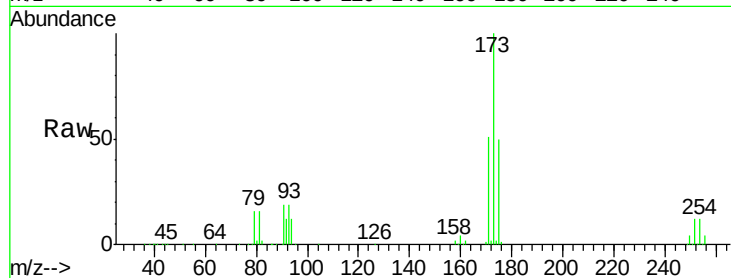
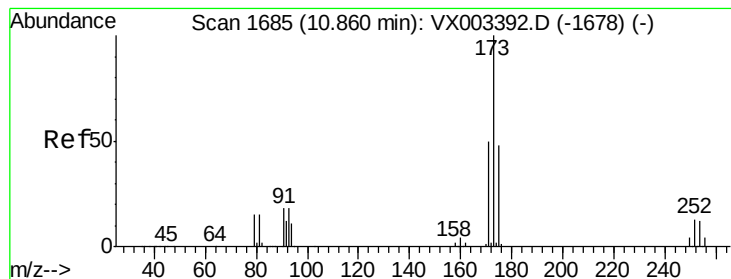
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#70
Styrene
Concen: 52.24 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Tgt Ion:104 Resp: 586270
Ion Ratio Lower Upper
104 100
78 47.3 41.0 61.6
103 55.2 44.2 66.4





#71

Bromoform

Concen: 50.52 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tot Ion:	173	Resp:	162199
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.7	74.1
254	0.2	0.2	0.2

Instrument :

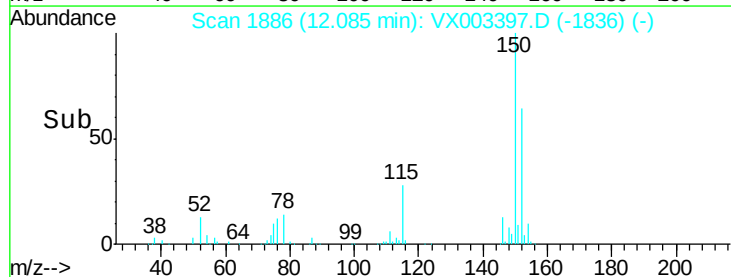
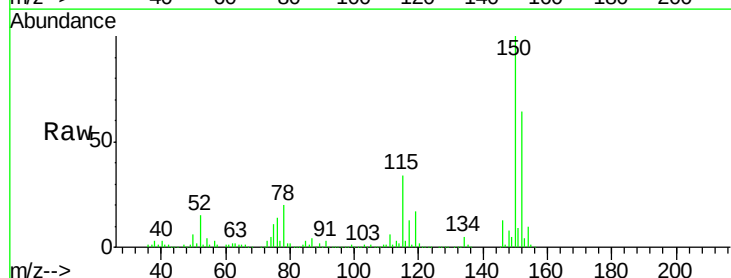
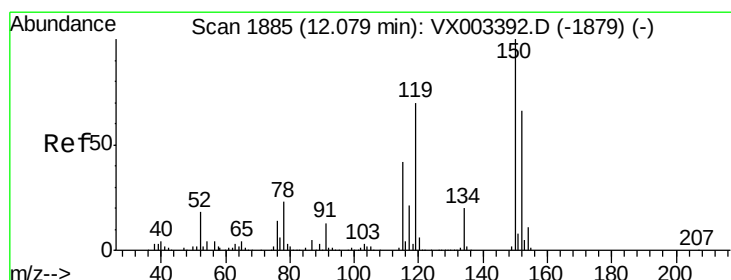
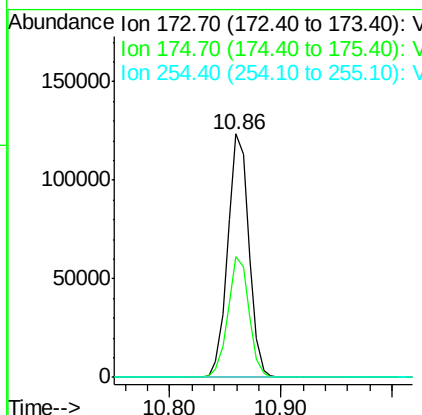
MSVOA_X

ClientSampleId :

VSTDCCC050

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

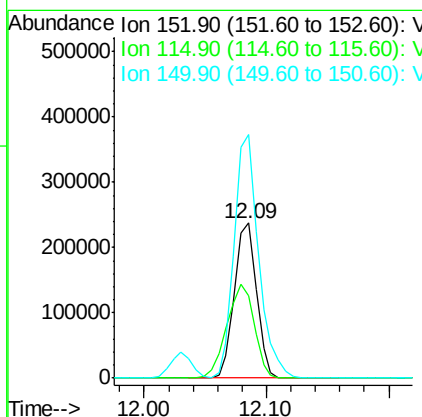
RT: 12.09 min Scan# 1886

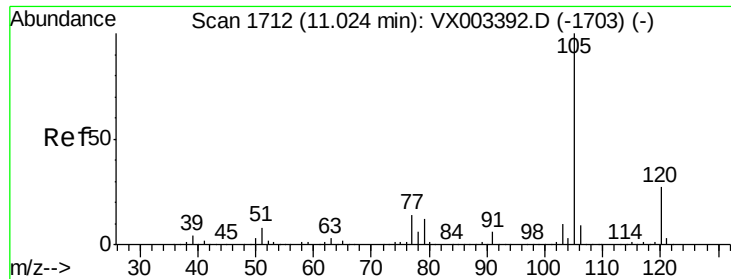
Delta R.T. 0.01 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion:	152	Resp:	295837
Ion Ratio	Lower	Upper	
152	100		
115	74.7	40.1	120.2
150	173.2	0.0	347.2





#73

Isopropylbenzene

Concen: 49.79 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 943126

Ion Ratio Lower Upper

105 100

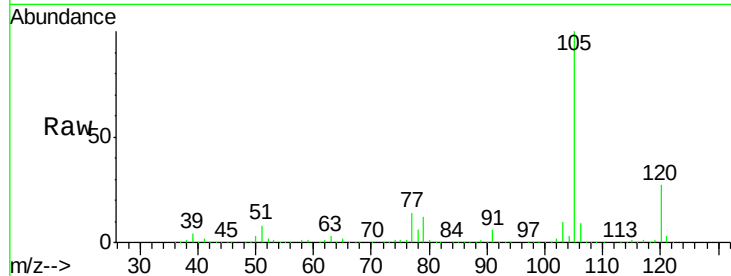
120 27.1 13.5 40.4

Manual Integrations

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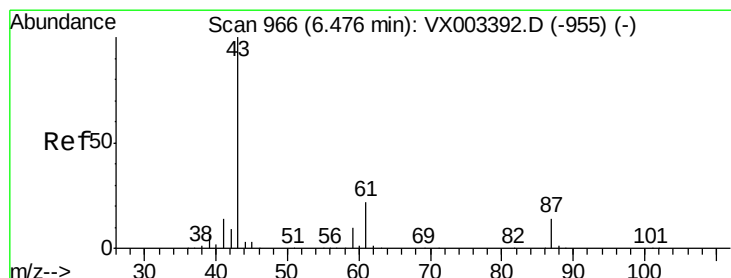
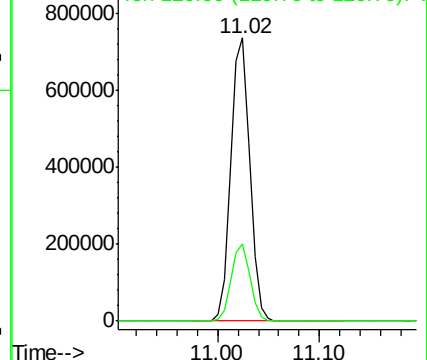
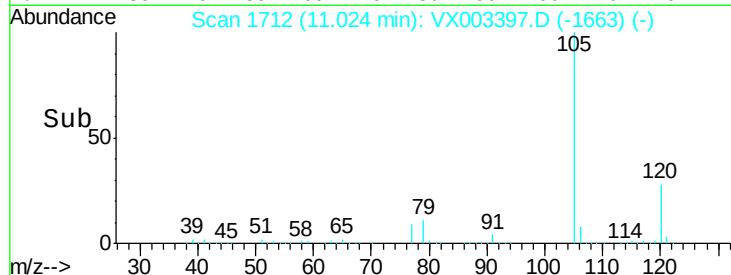
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.78 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion: 43 Resp: 417025

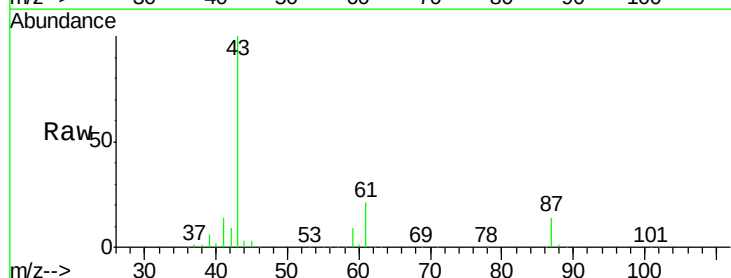
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.2 14.4 21.6

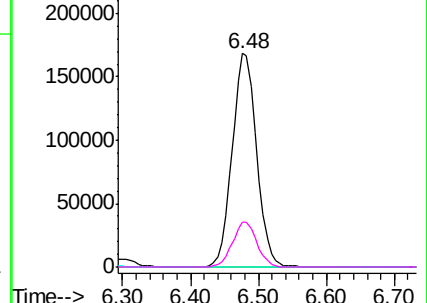
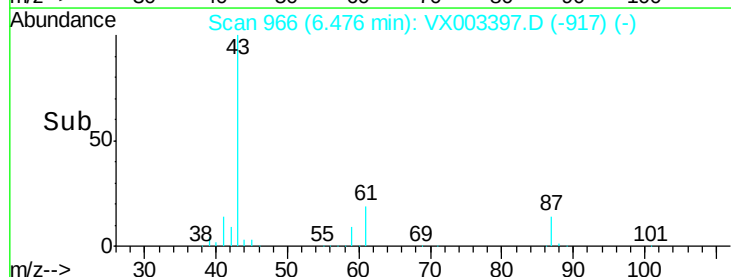


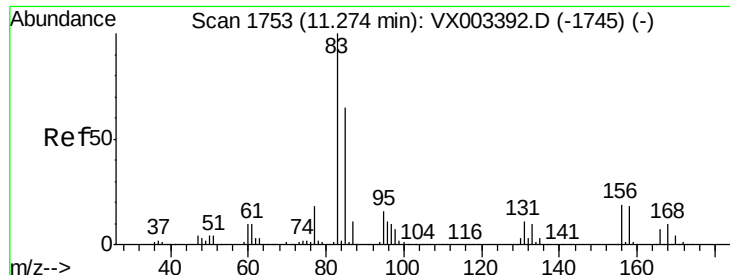
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 46.73 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

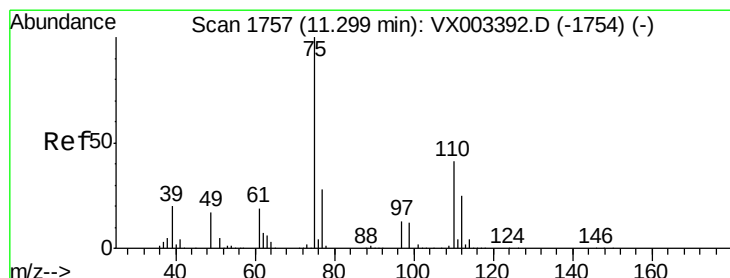
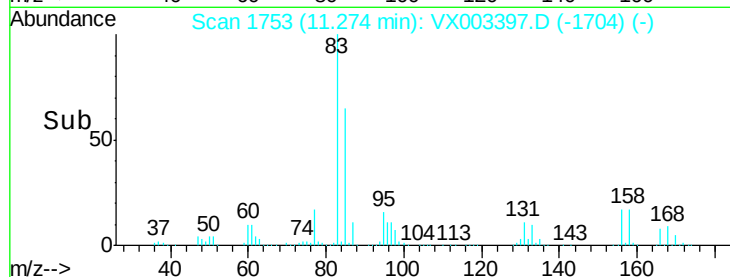
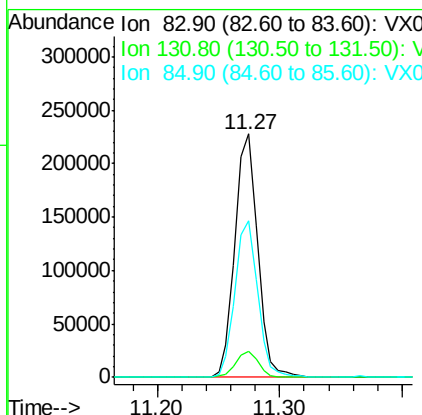
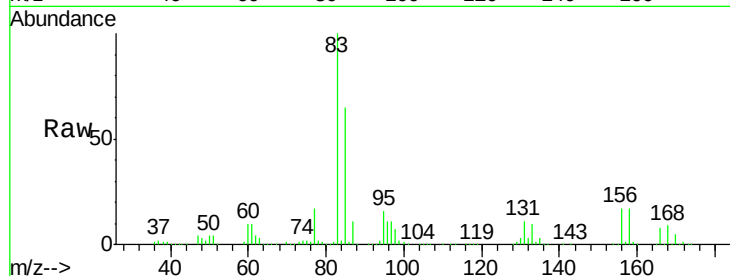
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	292218
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	64.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 55.31 ug/l m

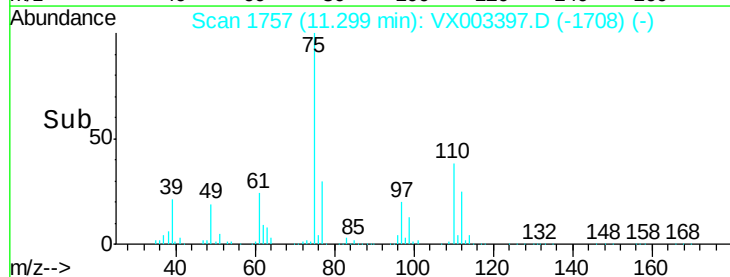
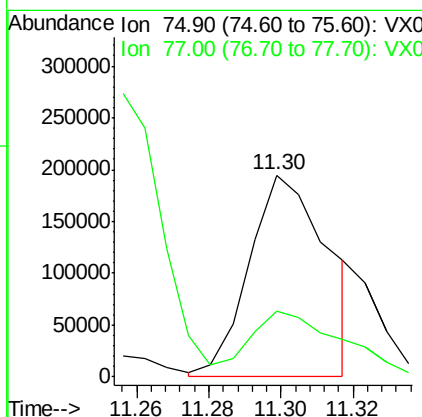
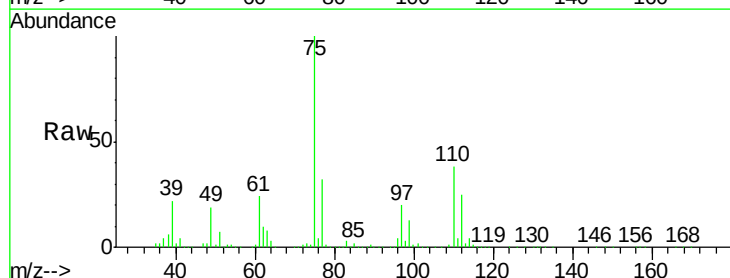
RT: 11.30 min Scan# 1757

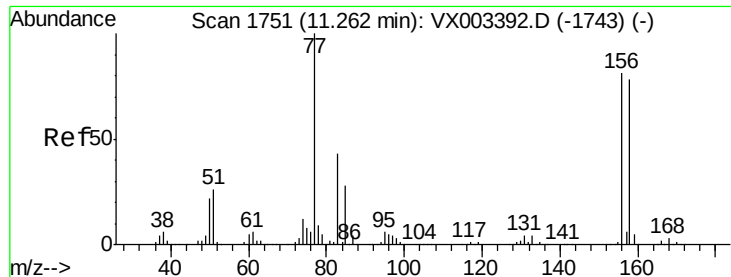
Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion:	75	Resp:	296215
Ion Ratio	Lower	Upper	
75	100		
77	38.4	22.8	68.3





#77

Bromobenzene

Concen: 47.95 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

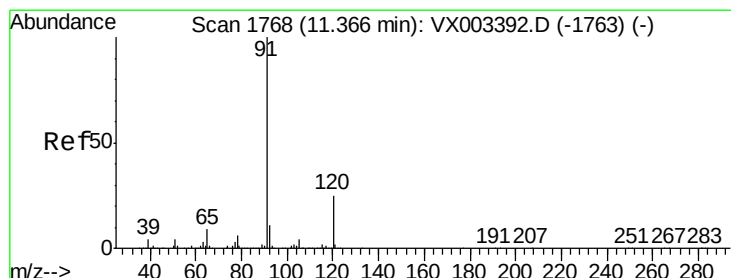
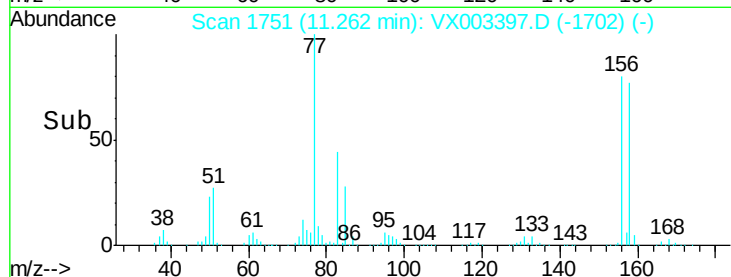
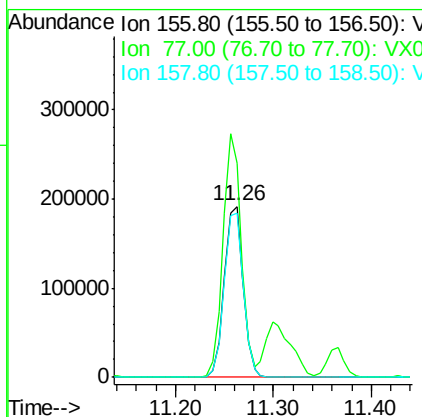
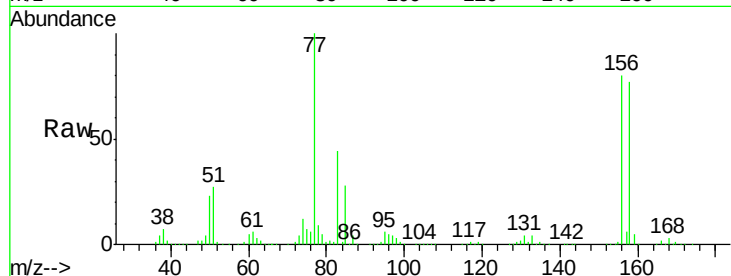
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	137.2	71.4	214.2
158	97.3	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 50.93 ug/l

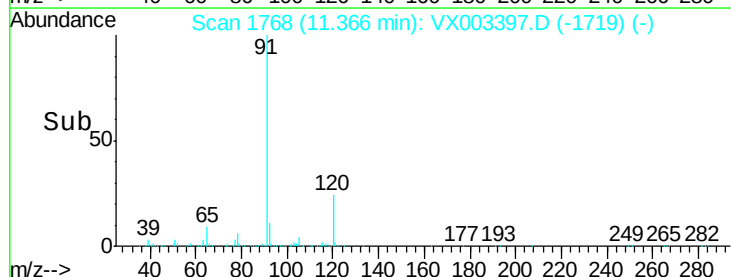
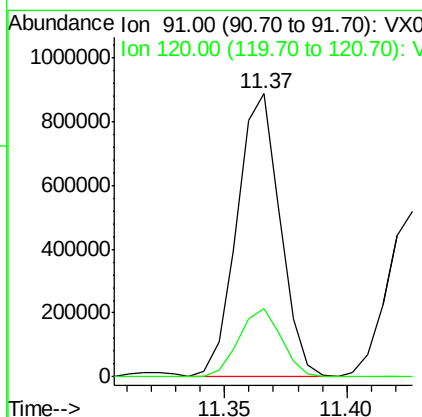
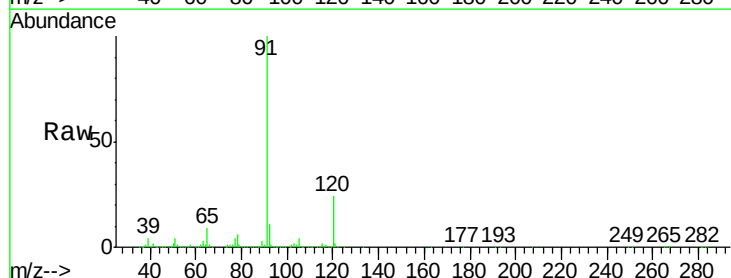
RT: 11.37 min Scan# 1768

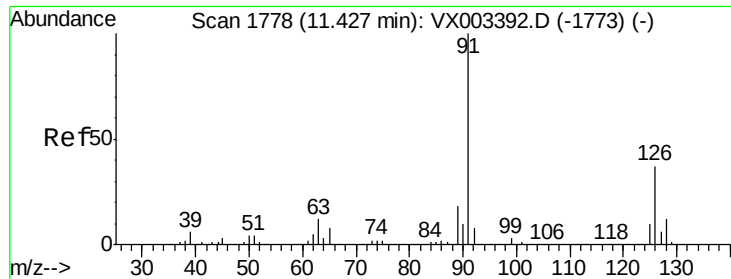
Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.8	35.4





#79

2-Chlorotoluene

Concen: 48.68 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 631561

Ion Ratio Lower Upper

91 100

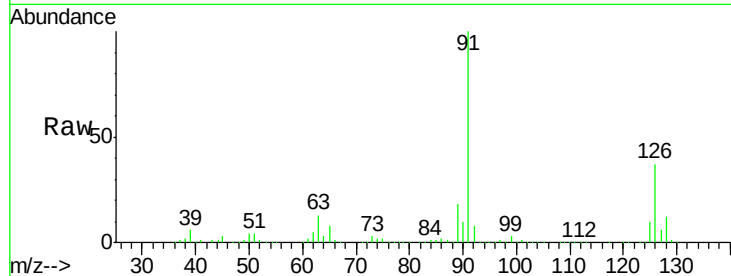
126 36.4 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX003392.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003392.D (-1773) (-)

1000000

800000

600000

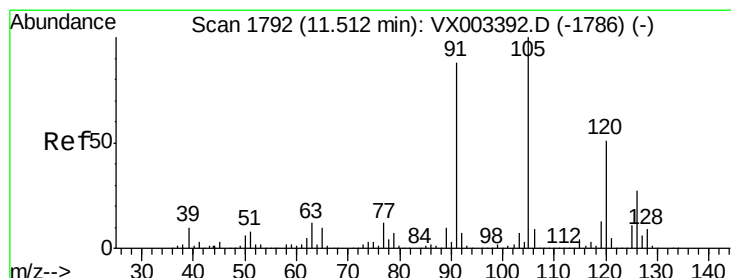
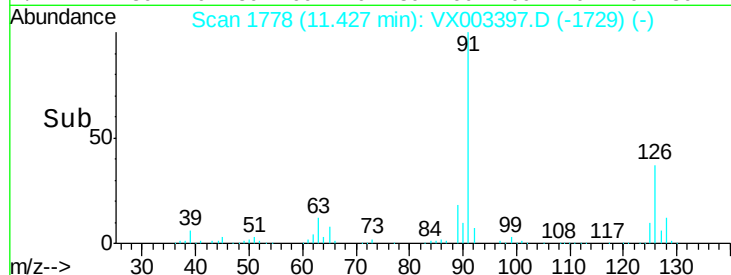
400000

200000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.93 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003397.D

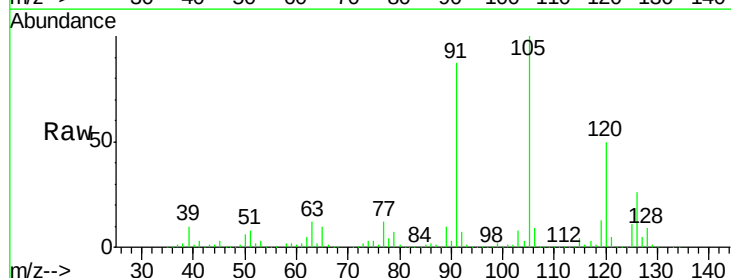
Acq: 16 Jul 2018 16:27

Tgt Ion: 105 Resp: 788110

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003392.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003392.D (-1786) (-)

600000

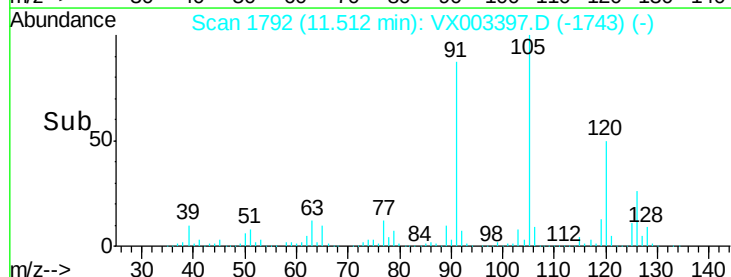
400000

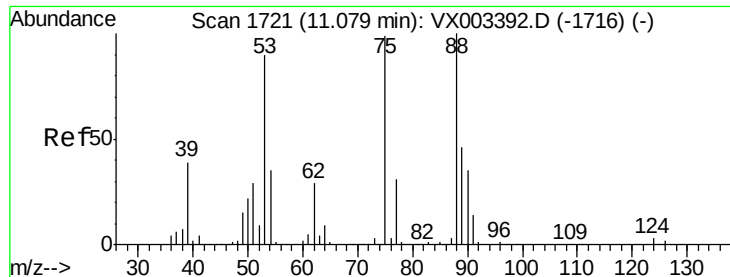
200000

0

11.40 11.50 11.60

Time-->





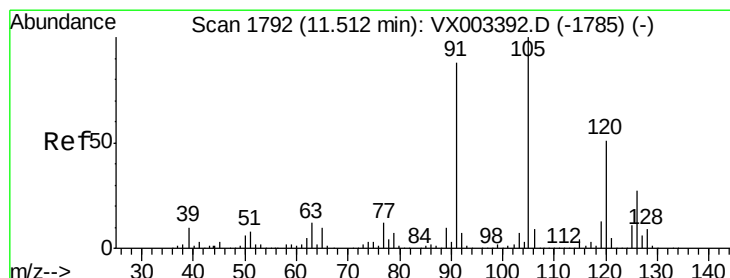
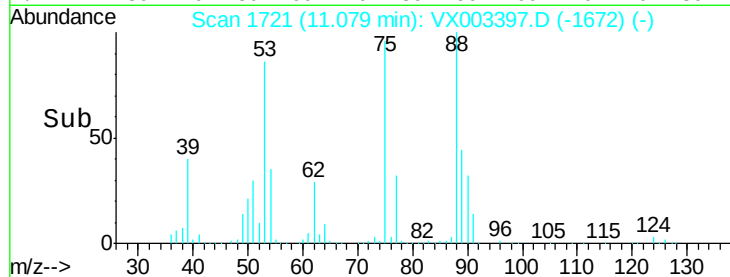
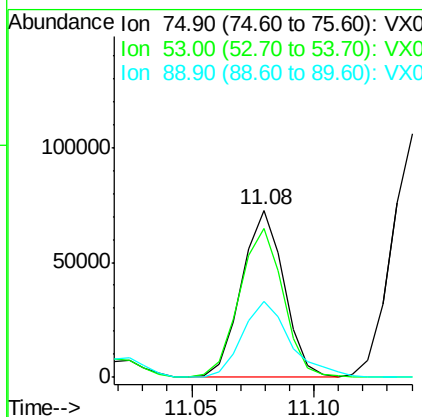
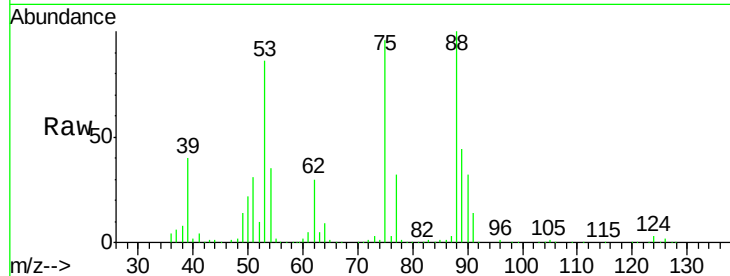
#81
trans-1,4-Dichloro-2-butene
Concen: 52.94 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	86.8	130.2
89	51.9	38.2	57.2

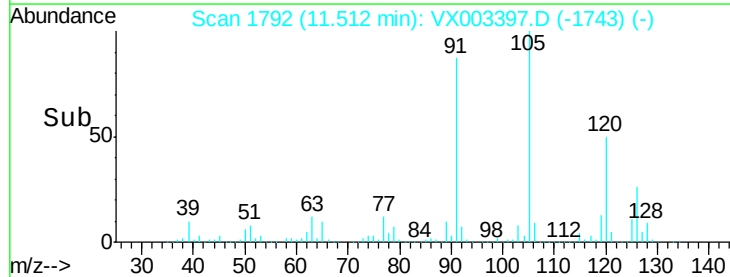
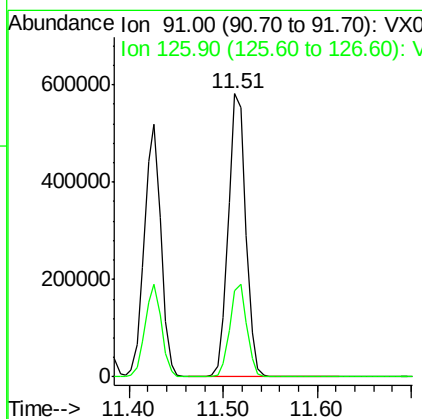
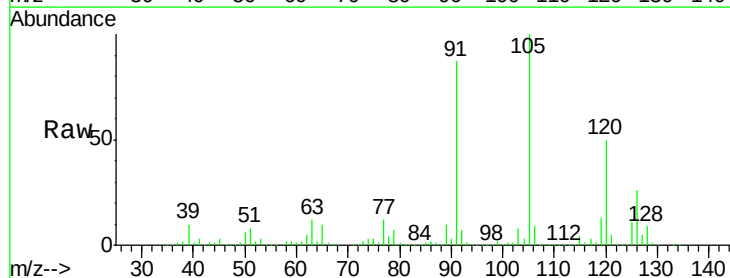
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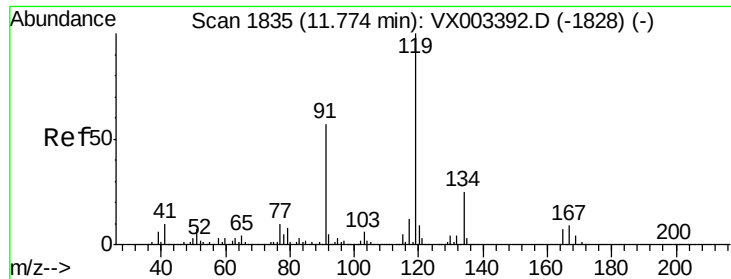
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.40 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003397.D
Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.4	46.4





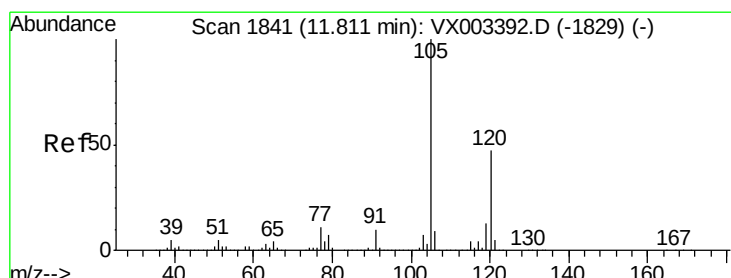
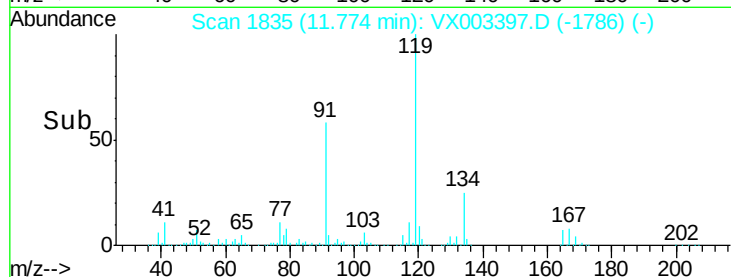
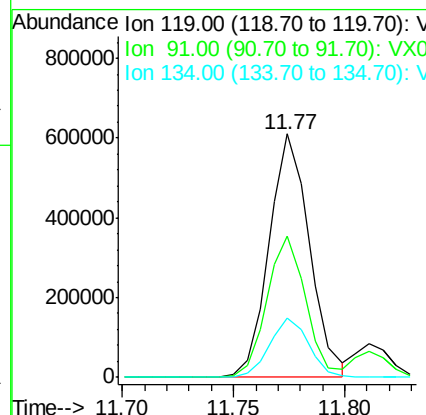
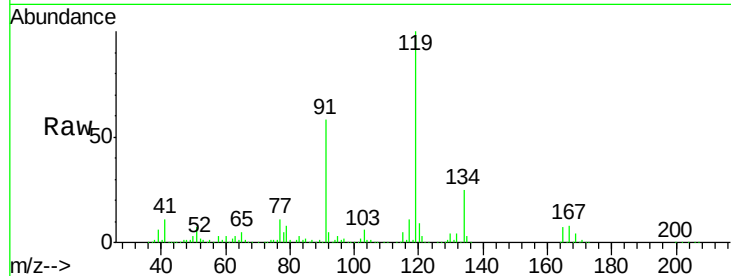
#83
 tert-Butylbenzene
 Concen: 50.68 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.2	30.3	90.9
134	23.7	11.7	35.1

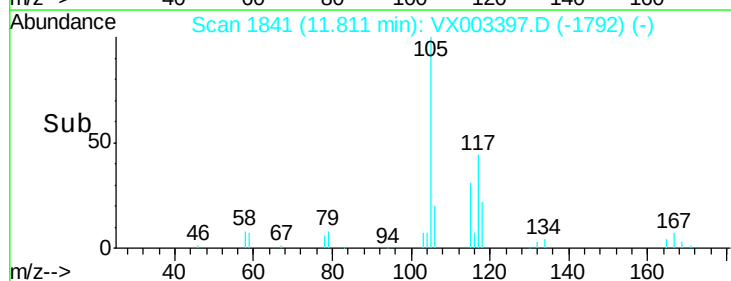
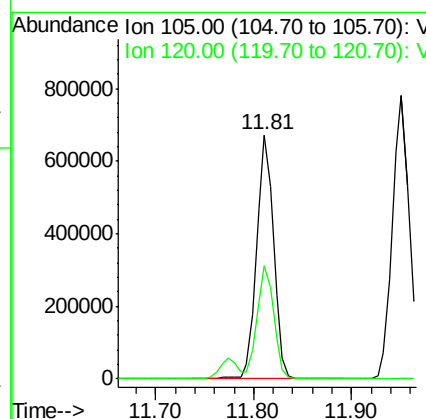
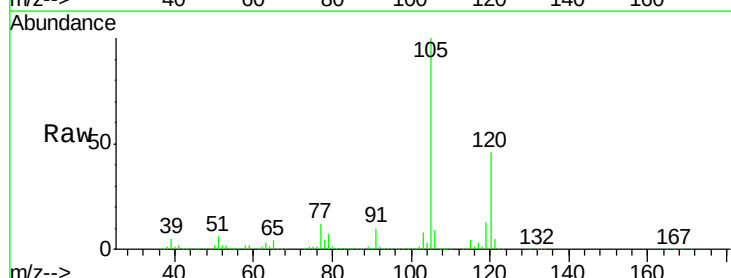
Manual Integrations
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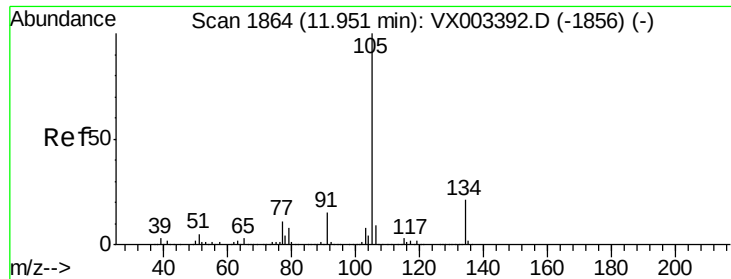
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.92 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.3	66.8





#85

sec-Butylbenzene

Concen: 51.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 937762

Ion Ratio Lower Upper

105 100

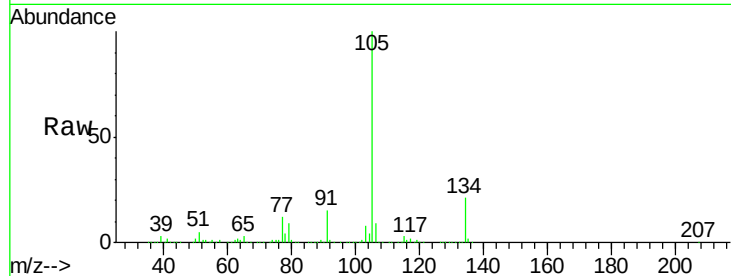
134 20.9 10.4 31.1

Manual Integrations

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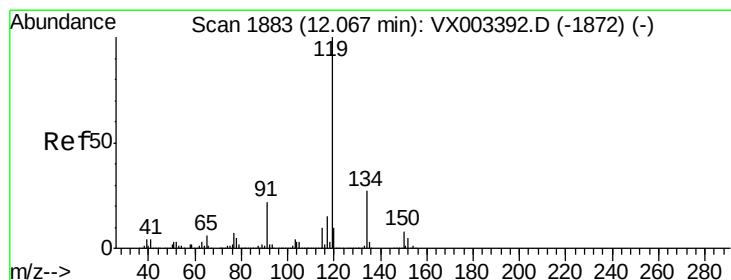
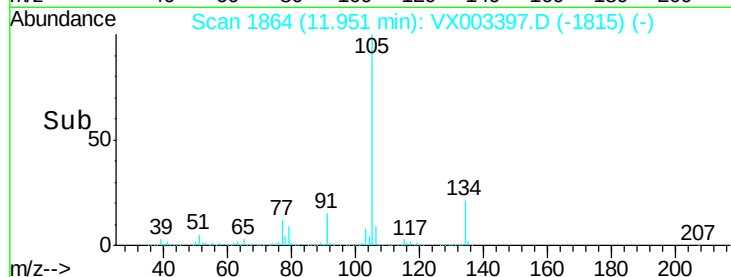
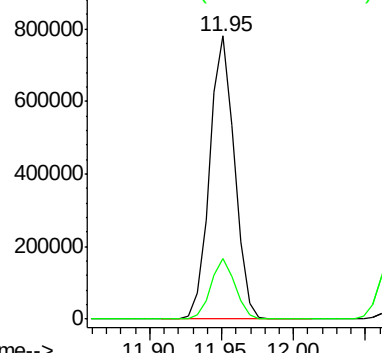
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.36 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

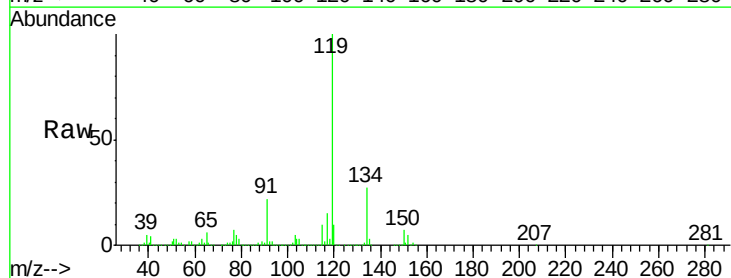
Tgt Ion:119 Resp: 855106

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

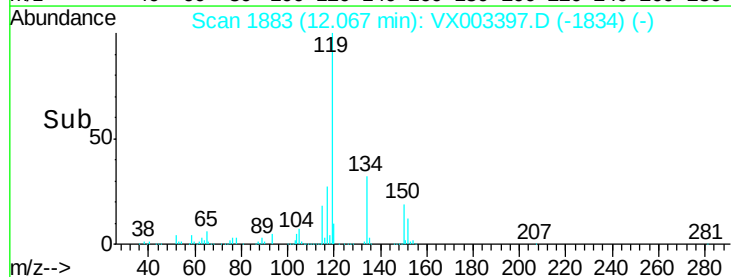
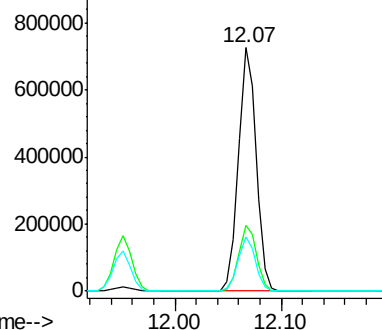
91 21.7 11.9 35.7

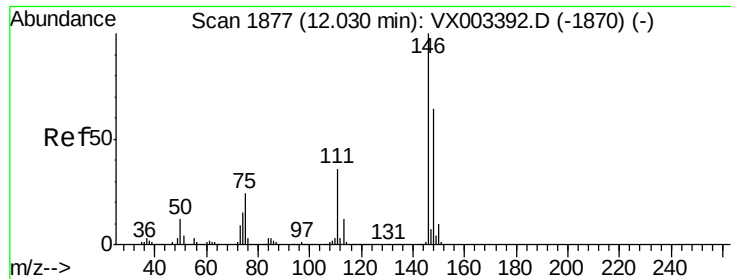


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





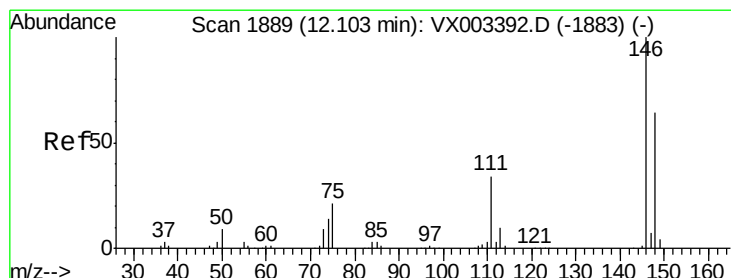
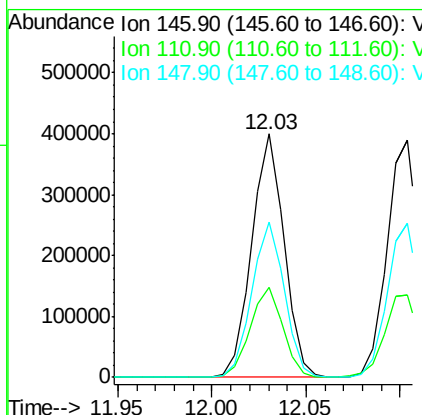
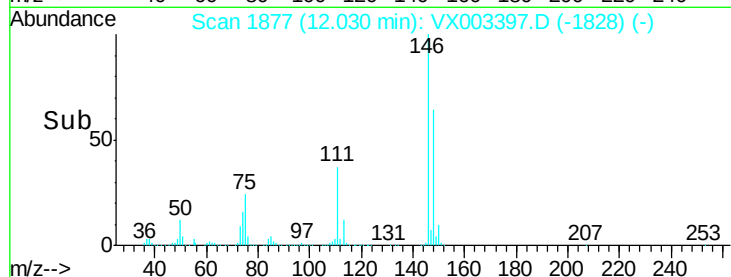
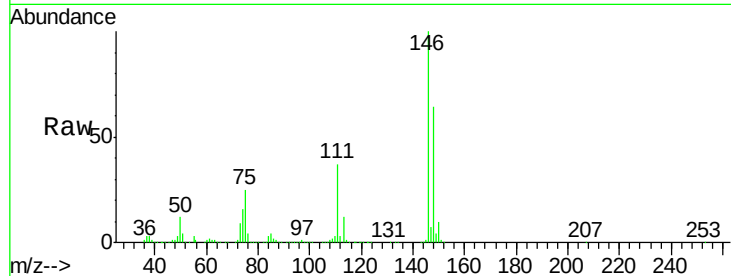
#87
 1,3-Dichlorobenzene
 Concen: 48.38 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.7
148	64.1	32.1	96.3

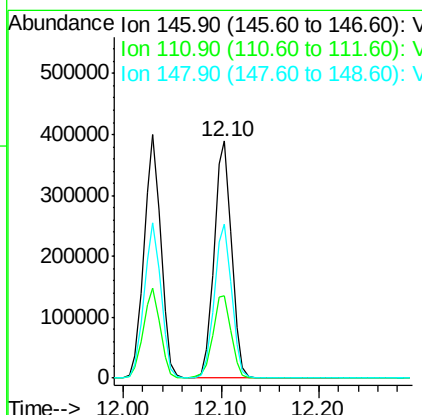
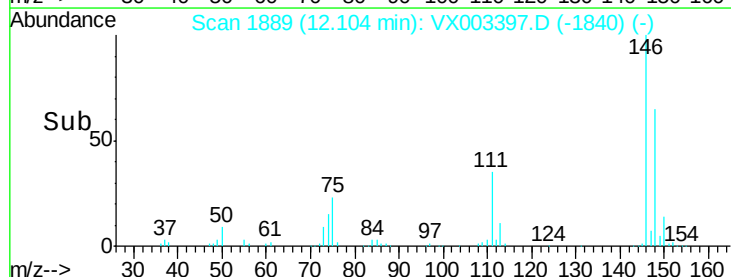
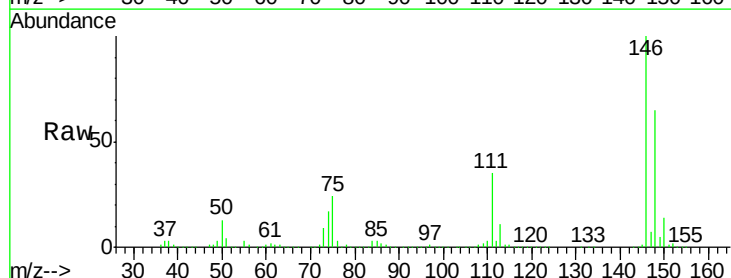
Manual Integrations
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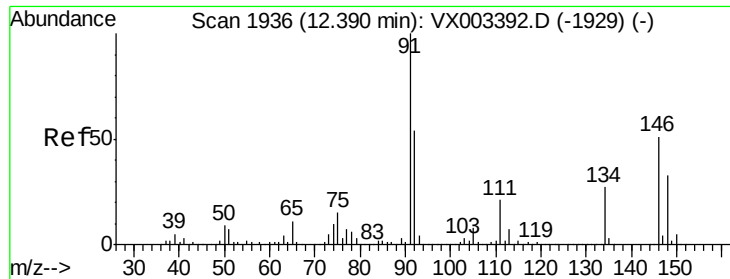
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 7/17/2018 1:46:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.93 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.7	56.1
148	64.8	32.4	97.0





#89

n-Butylbenzene

Concen: 53.09 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 738553

Ion Ratio Lower Upper

91 100

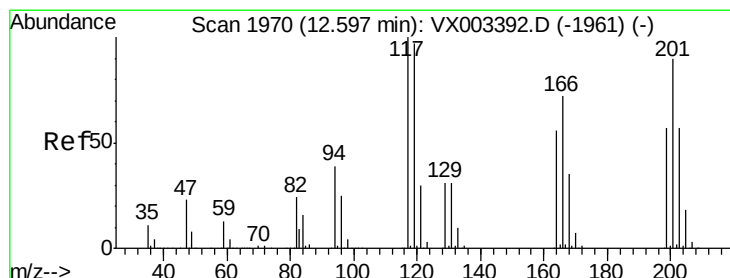
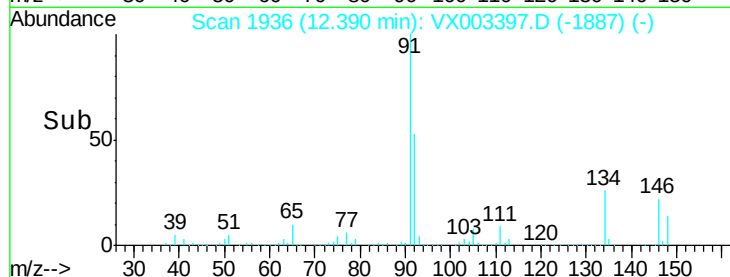
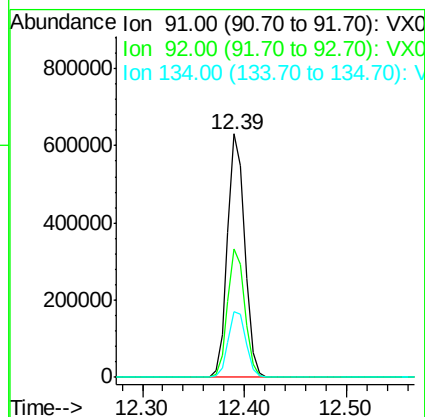
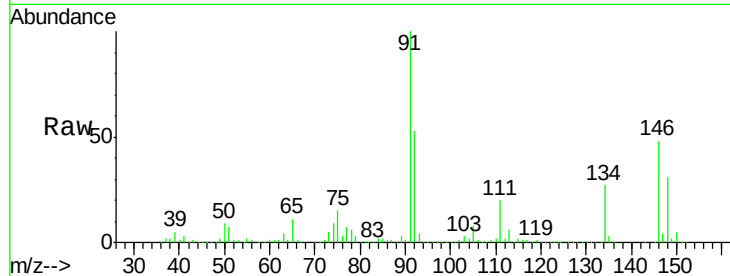
92 52.7 26.0 78.0

134 27.8 13.5 40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 50.95 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003397.D

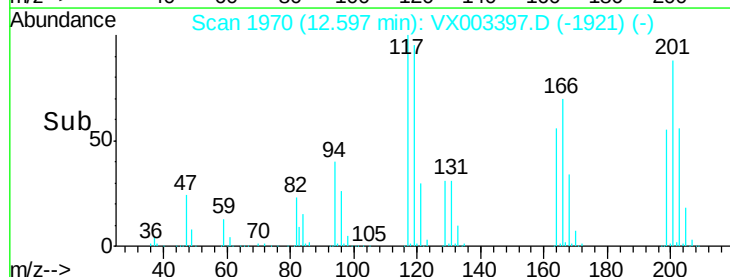
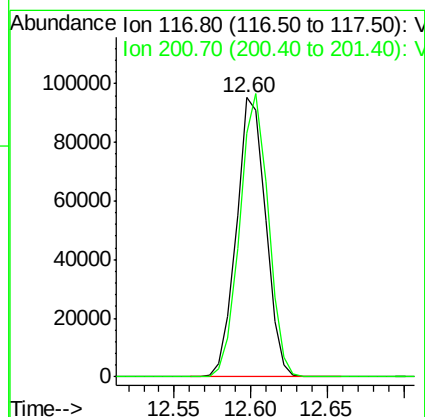
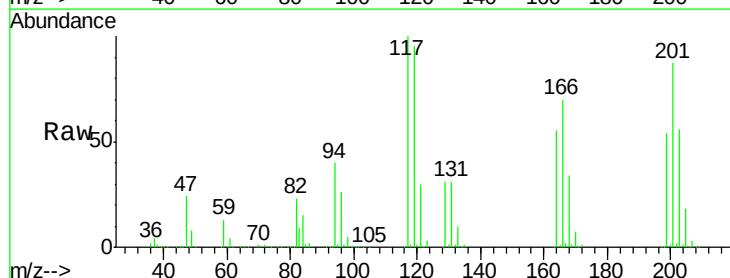
Acq: 16 Jul 2018 16:27

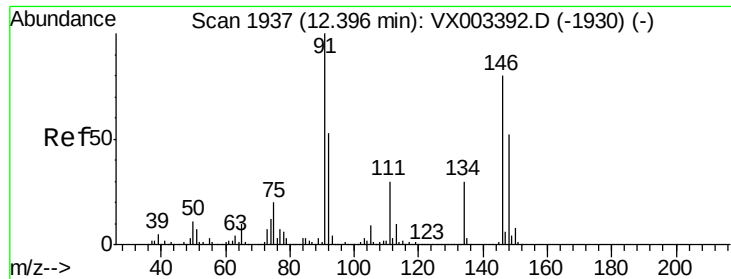
Tgt Ion: 117 Resp: 126070

Ion Ratio Lower Upper

117 100

201 99.1 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 48.42 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

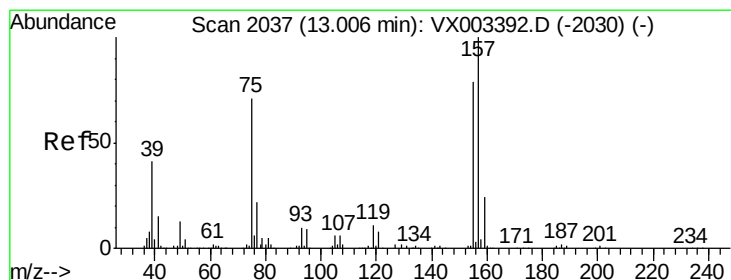
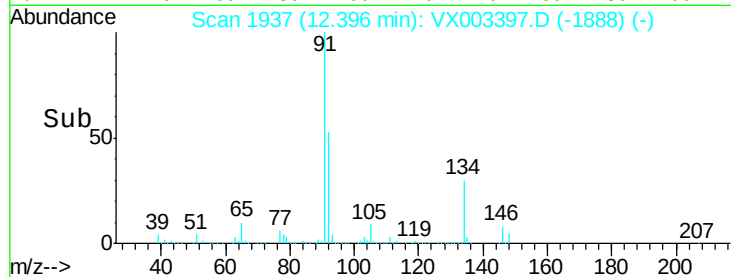
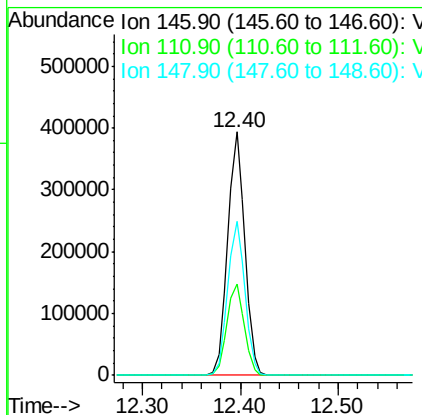
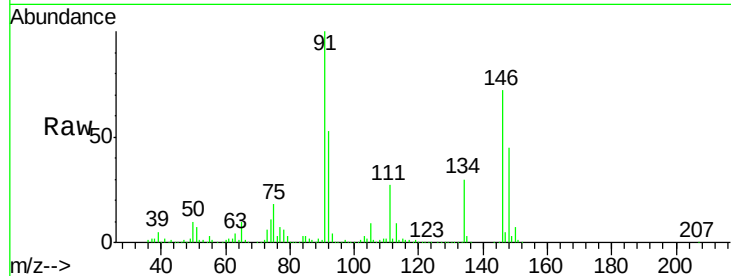
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	63.8	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.56 ug/l

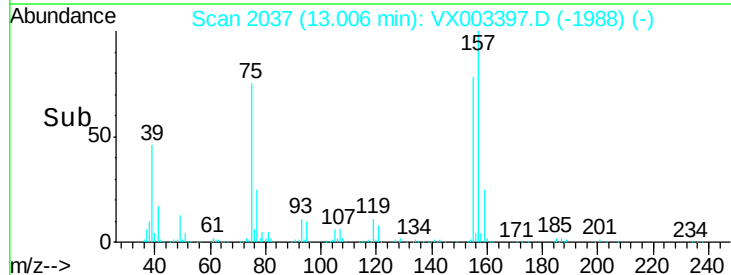
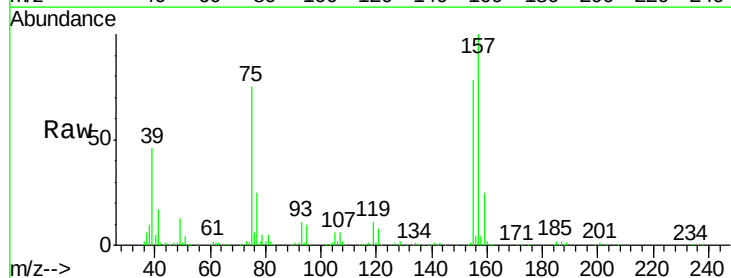
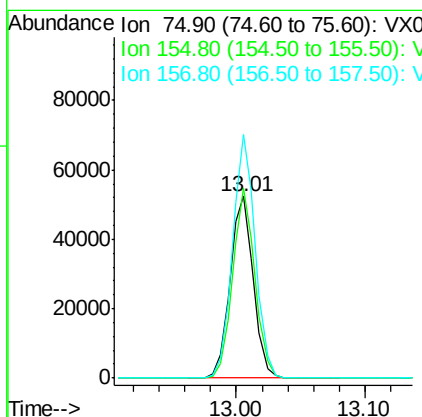
RT: 13.01 min Scan# 2037

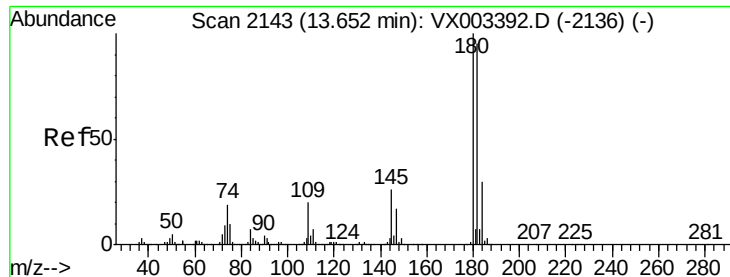
Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	45.8	137.4
157	130.1	60.1	180.3





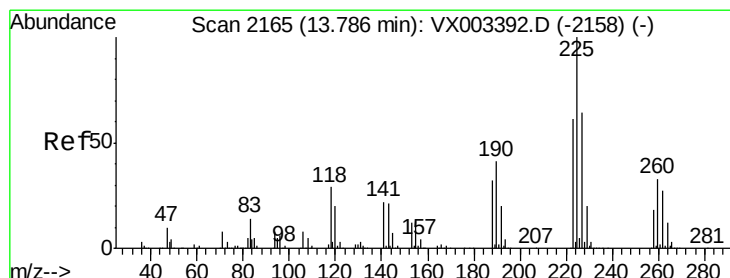
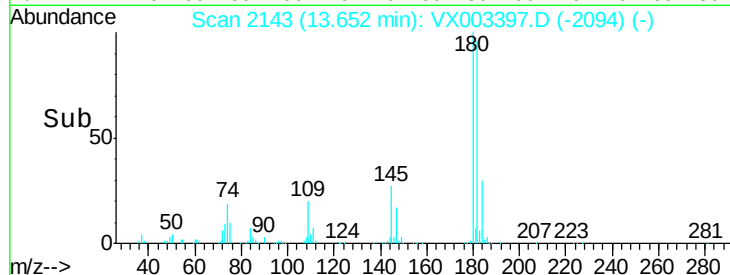
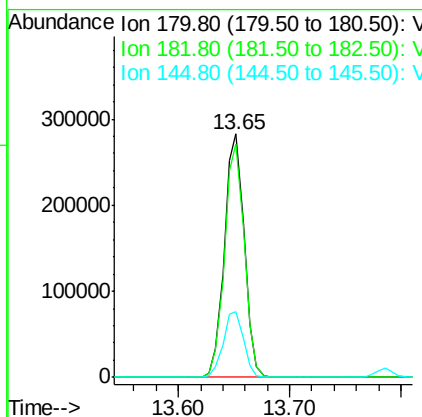
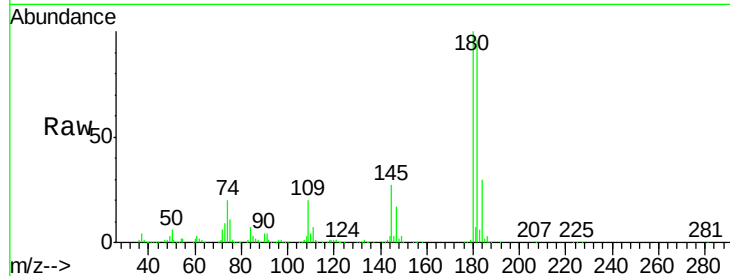
#93
 1,2,4-Trichlorobenzene
 Concen: 51.30 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	347159		
182	95.8	47.7	143.1	
145	28.0	14.1	42.4	

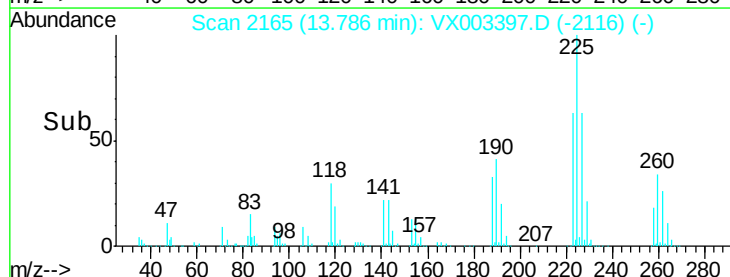
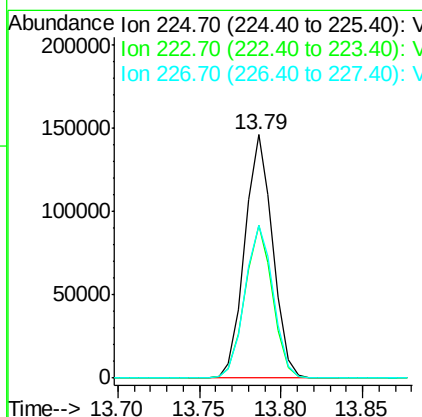
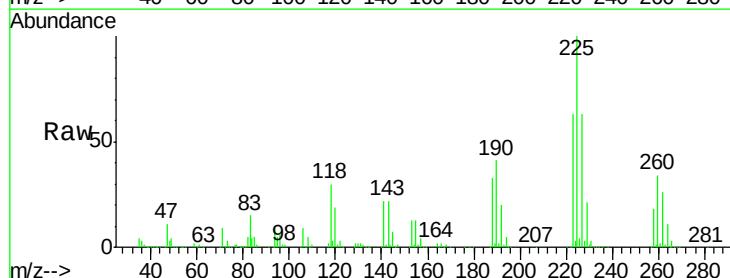
Manual Integrations
 APPROVED

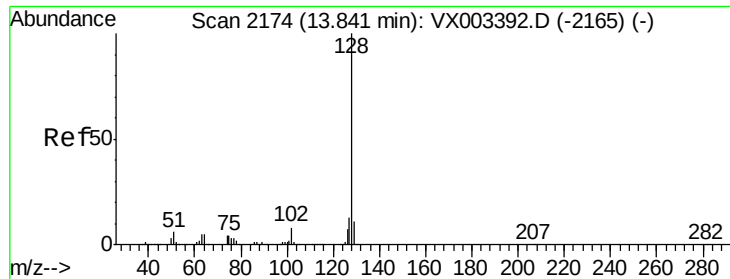
MMDadoda
 7/17/2018 1:46:35 PM



#94
 Hexachlorobutadiene
 Concen: 53.51 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003397.D
 Acq: 16 Jul 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	174309		
223	62.0	31.6	95.0	
227	63.9	32.4	97.2	





#95

Naphthalene

Concen: 52.56 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

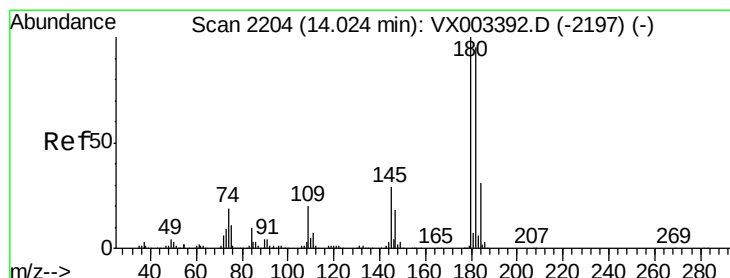
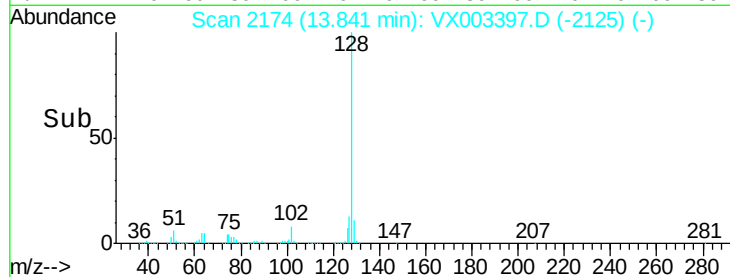
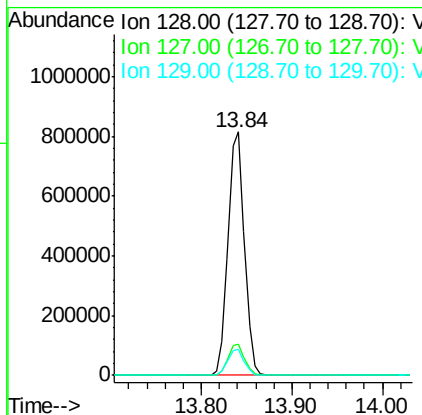
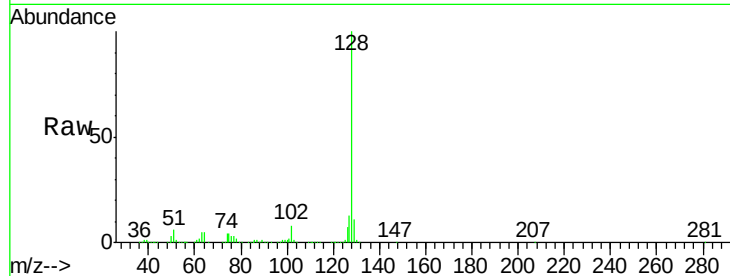
VSTDCCC050

Tot Ion:128 Resp: 1019561

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.33 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003397.D

Acq: 16 Jul 2018 16:27

Tgt Ion:180 Resp: 350326

Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.0
145	29.8	14.8	44.3

