

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071118\
 Data File : VX003322.D
 Acq On : 11 Jul 2018 16:22
 Operator : JC/MD
 Sample : VX0711WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 10:59:26 AM

Quant Time: Jul 12 01:10:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322445	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201696	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	194486	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.20%		
35) Dibromofluoromethane	5.50	113	169427	48.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.82%		
50) Toluene-d8	8.72	98	621403	50.50	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.00%		
62) 4-Bromofluorobenzene	11.14	95	226999	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.86%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	85104	22.696	ug/l	94
3) Chloromethane	1.32	50	82331	24.149	ug/l	97
4) Vinyl Chloride	1.40	62	93437	26.702	ug/l	98
5) Bromomethane	1.64	94	34431	33.934	ug/l	99
6) Chloroethane	1.72	64	56650	29.219	ug/l	92
7) Trichlorofluoromethane	1.93	101	129719	24.938	ug/l	90
8) Diethyl Ether	2.19	74	52673	28.013	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	80539	26.444	ug/l	94
10) Methyl Iodide	2.51	142	61249	21.806	ug/l	95
11) Tert butyl alcohol	3.07	59	96574	137.230	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73782	26.618	ug/l	91
13) Acrolein	2.29	56	69760	123.014	ug/l	97
14) Allyl chloride	2.73	41	133013	25.908	ug/l	88
15) Acrylonitrile	3.15	53	221387	140.884	ug/l	96
16) Acetone	2.45	43	180938	131.294	ug/l	97
17) Carbon Disulfide	2.57	76	191839	24.907	ug/l	97
18) Methyl Acetate	2.78	43	119357	30.701	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	230116	24.856	ug/l	98
20) Methylene Chloride	2.86	84	88814	31.184	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	74480	25.208	ug/l	95
22) Diisopropyl ether	3.87	45	251304	24.060	ug/l	98
23) Vinyl Acetate	3.82	43	1039011	117.167	ug/l	99
24) 1,1-Dichloroethane	3.70	63	143671	26.428	ug/l	98
25) 2-Butanone	4.71	43	260776	106.940	ug/l	93
26) 2,2-Dichloropropane	4.59	77	96315	20.255	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	75621	20.825	ug/l	95
28) Bromochloromethane	5.02	49	64256	23.459	ug/l	95
29) Tetrahydrofuran	5.17	42	168720	106.600	ug/l	94
30) Chloroform	5.22	83	128323	21.459	ug/l	98
31) Cyclohexane	5.57	56	109087	21.429	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	104832	19.872	ug/l	98
36) 1,1-Dichloropropene	5.80	75	93448	20.473	ug/l	99
37) Ethyl Acetate	4.87	43	99533	19.890	ug/l	96
38) Carbon Tetrachloride	5.78	117	89498	17.924	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	108268	20.133	ug/l	95
40) Benzene	6.14	78	273354	20.208	ug/l	100
41) Methacrylonitrile	5.06	41	55769	20.357	ug/l	94
42) 1,2-Dichloroethane	6.20	62	95518	18.900	ug/l	97
43) Isopropyl Acetate	6.47	43	148889	18.948	ug/l	97
44) Trichloroethene	7.21	130	78723	19.681	ug/l	99
45) 1,2-Dichloropropane	7.52	63	70172	19.953	ug/l	99
46) Dibromomethane	7.67	93	46273	19.304	ug/l	99
47) Bromodichloromethane	7.90	83	84958	19.208	ug/l	97
48) Methyl methacrylate	7.78	41	77515	19.234	ug/l	88
49) 1,4-Dioxane	7.76	88	33786	400.945	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	491565	100.482	ug/l	94
52) Toluene	8.79	92	172330	20.153	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	101436	19.491	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	89702	18.938	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	69300	19.536	ug/l	98
56) Ethyl methacrylate	9.18	69	98177	20.206	ug/l #	89
57) 1,3-Dichloropropane	9.37	76	114606	20.057	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	263335	112.356	ug/l	100
59) 2-Hexanone	9.50	43	378022	101.736	ug/l	92
60) Dibromochloromethane	9.59	129	66366	17.918	ug/l	100
61) 1,2-Dibromoethane	9.68	107	70784	19.040	ug/l	99
64) Tetrachloroethene	9.34	164	86758	19.322	ug/l	95
65) Chlorobenzene	10.14	112	192001	19.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	67296	18.481	ug/l	98
67) Ethyl Benzene	10.26	91	326191	19.986	ug/l	99
68) m/p-Xylenes	10.36	106	254581	40.096	ug/l	97
69) o-Xylene	10.70	106	121042	19.678	ug/l	99
70) Styrene	10.71	104	200236	20.075	ug/l	98
71) Bromoform	10.86	173	49943	16.670	ug/l #	99
73) Isopropylbenzene	11.02	105	329488	20.690	ug/l	100
74) N-amyl acetate	6.47	43	148889	19.599	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	101837	20.617	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	102958m	23.620	ug/l	
77) Bromobenzene	11.26	156	88206	19.185	ug/l	99
78) n-propylbenzene	11.36	91	382142	21.583	ug/l	100
79) 2-Chlorotoluene	11.42	91	226025	20.954	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	278840	21.028	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	25541	19.150	ug/l	97
82) 4-Chlorotoluene	11.51	91	264522	21.003	ug/l	99
83) tert-Butylbenzene	11.77	119	264603	19.977	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	282814	20.828	ug/l	98
85) sec-Butylbenzene	11.95	105	330129	21.087	ug/l	99
86) p-Isopropyltoluene	12.07	119	297200	20.836	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	163093	19.337	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	164566	19.273	ug/l	100
89) n-Butylbenzene	12.39	91	258001	21.649	ug/l	99
90) Hexachloroethane	12.60	117	39503	18.140	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	162356	19.170	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19906	18.784	ug/l	97

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Instrument :
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ClientSampleId :
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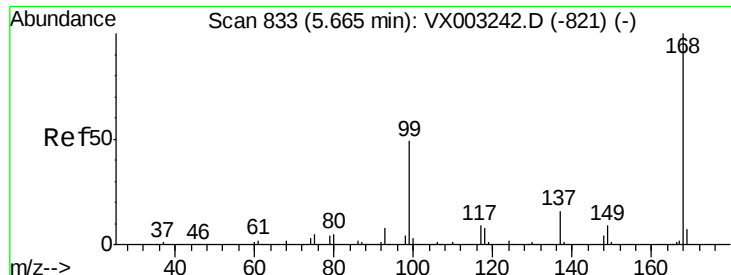
Manual Integrations
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7/12/2018 10:59:26 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	113118	18.353	ug/l	100
94) Hexachlorobutadiene	13.79	225	54621	17.800	ug/l	98
95) Naphthalene	13.84	128	325689	20.196	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115176	18.736	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:168 Resp: 246650

Ion Ratio Lower Upper

168 100

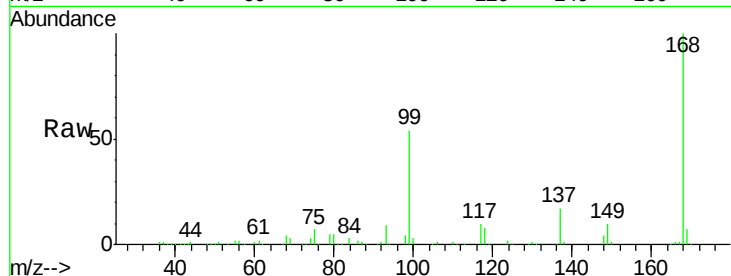
99 54.3 39.3 58.9

Manual Integrations

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7/12/2018 10:59:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

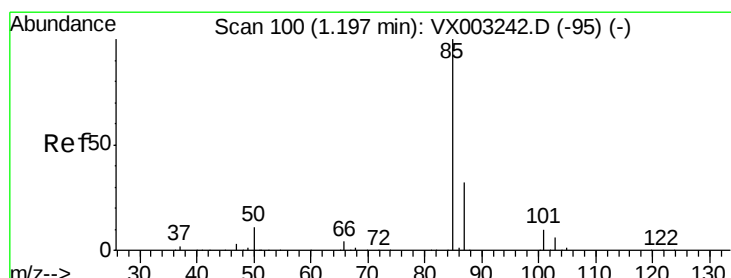
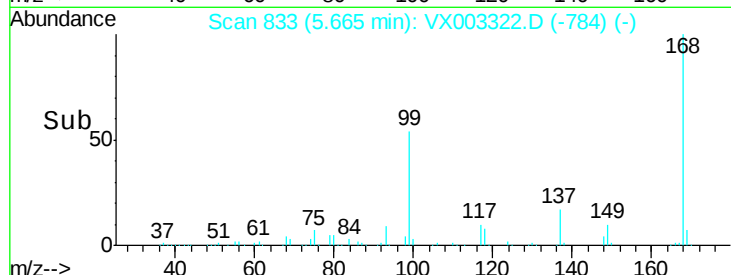
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.696 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003322.D

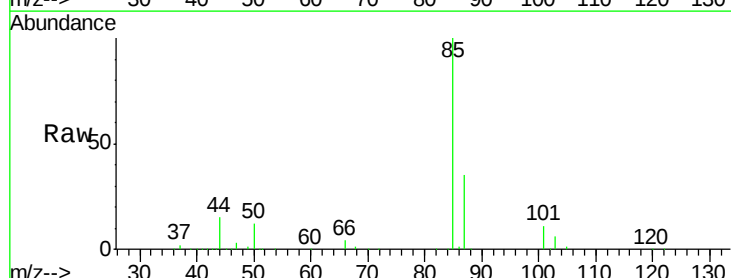
Acq: 11 Jul 2018 16:22

Tgt Ion: 85 Resp: 85104

Ion Ratio Lower Upper

85 100

87 35.4 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

80000

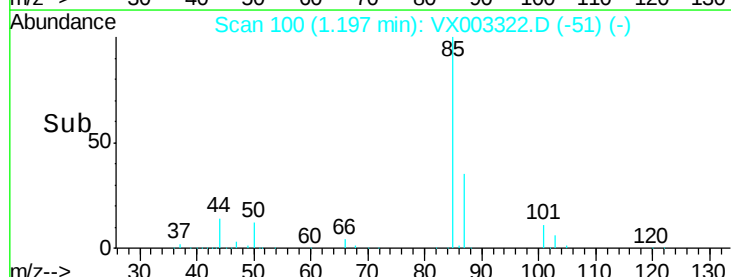
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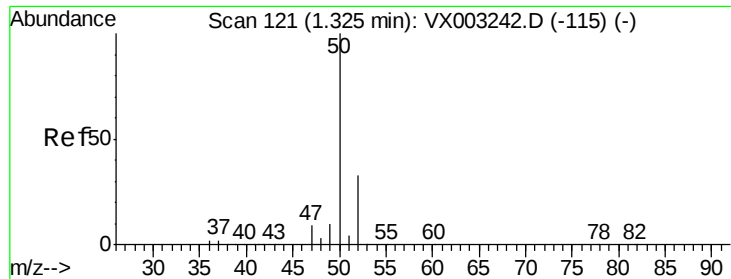
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20000

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Time-->





#3

Chloromethane

Concen: 24.149 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 50 Resp: 82331

Ion Ratio Lower Upper

50 100

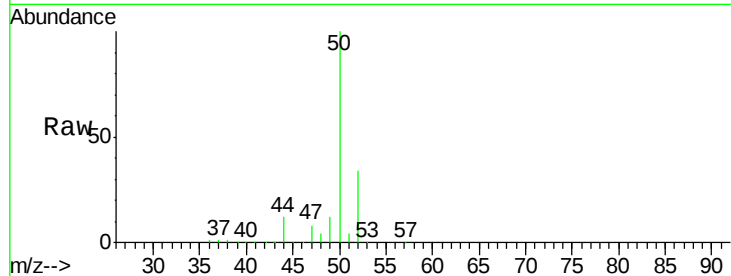
52 33.6 25.7 38.5

Manual Integrations

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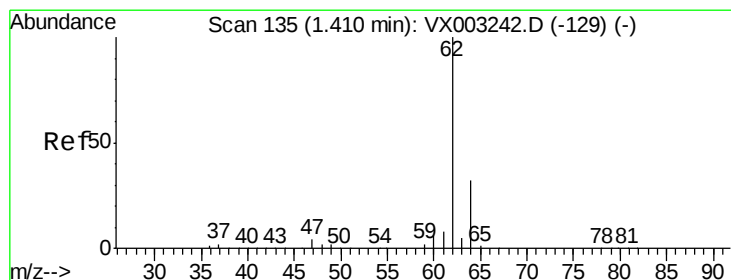
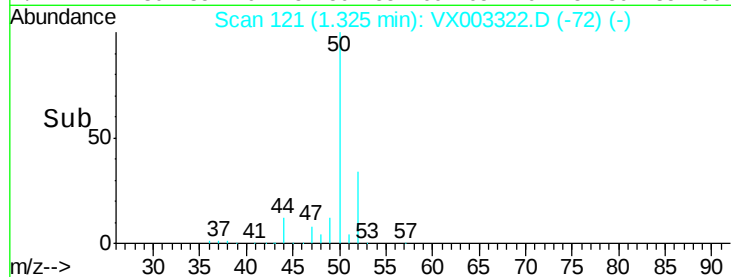
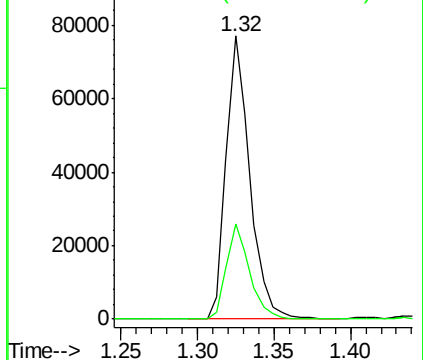
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 26.702 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003322.D

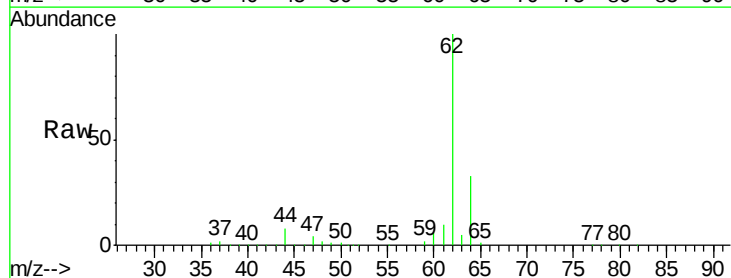
Acq: 11 Jul 2018 16:22

Tgt Ion: 62 Resp: 93437

Ion Ratio Lower Upper

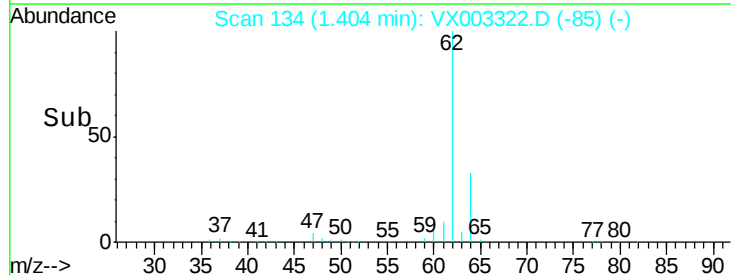
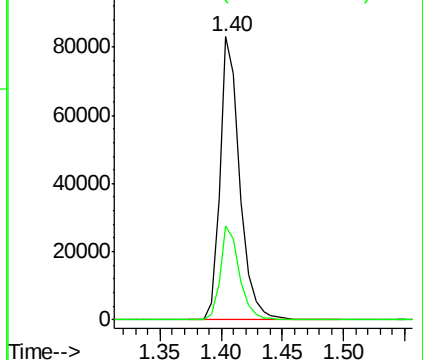
62 100

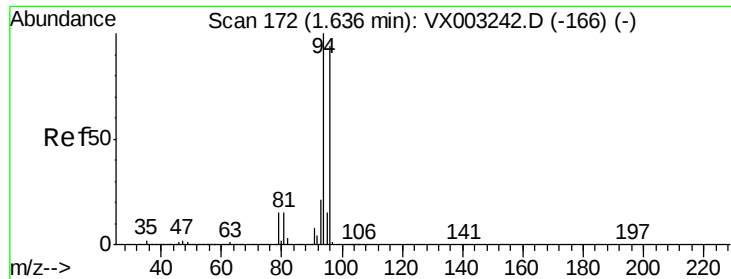
64 33.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 33.934 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 94 Resp: 34431

Ion Ratio Lower Upper

94 100

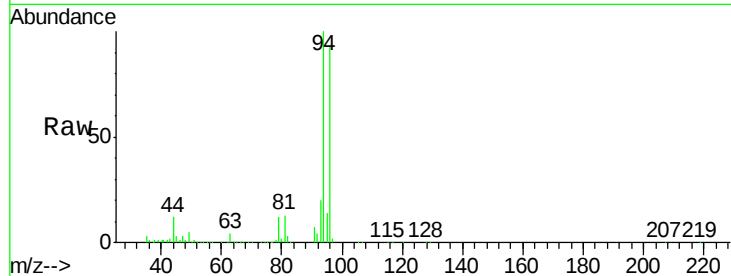
96 92.9 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

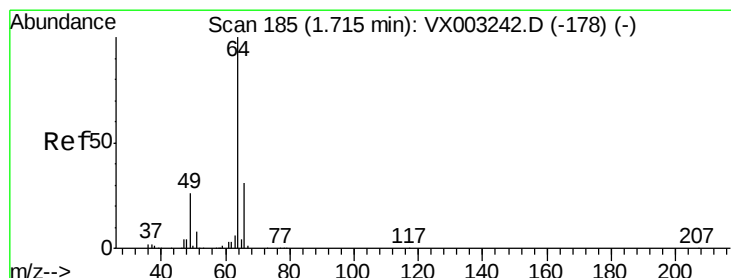
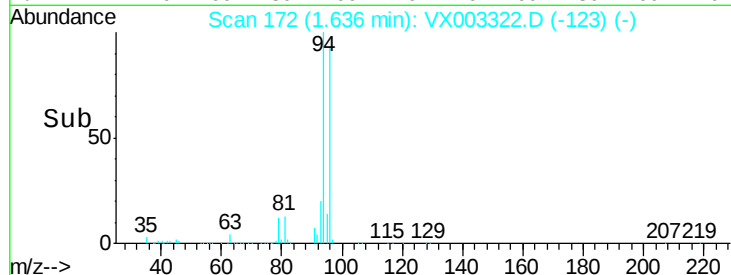
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 29.219 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003322.D

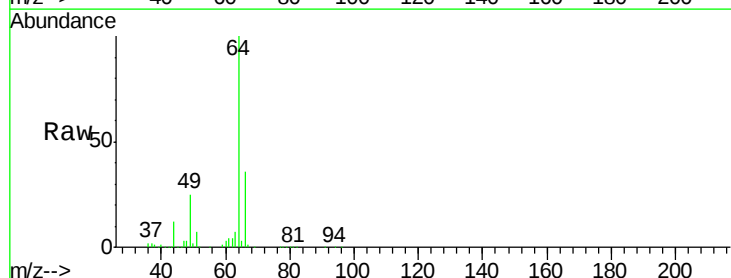
Acq: 11 Jul 2018 16:22

Tgt Ion: 64 Resp: 56650

Ion Ratio Lower Upper

64 100

66 36.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

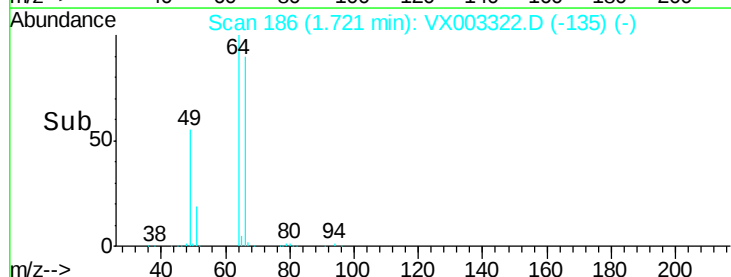
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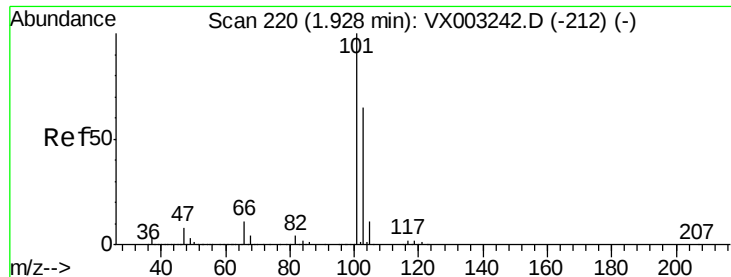
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Time-->





#7

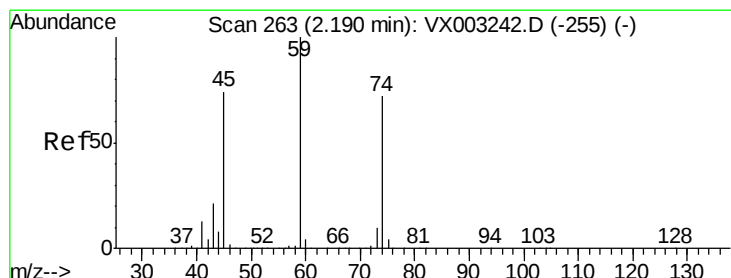
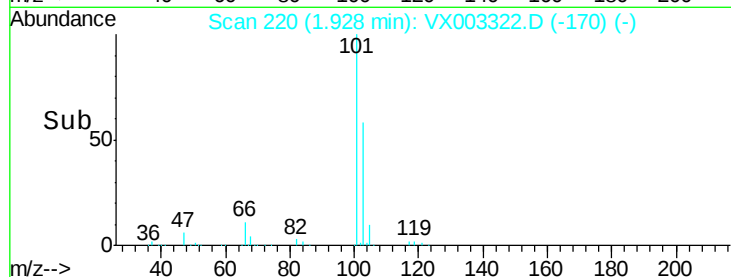
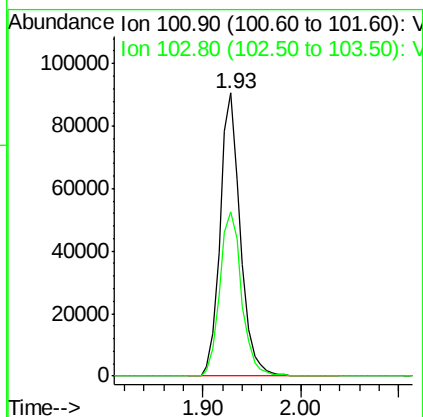
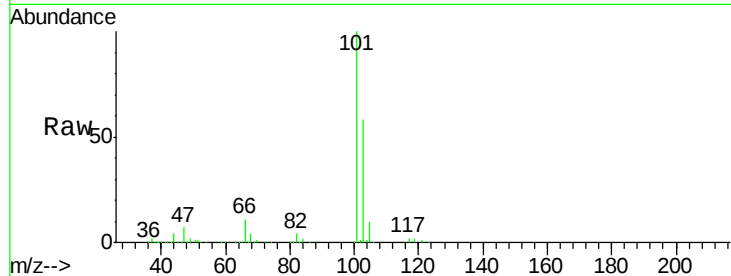
Trichlorofluoromethane
 Concen: 24.938 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

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 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.2	52.8	79.2

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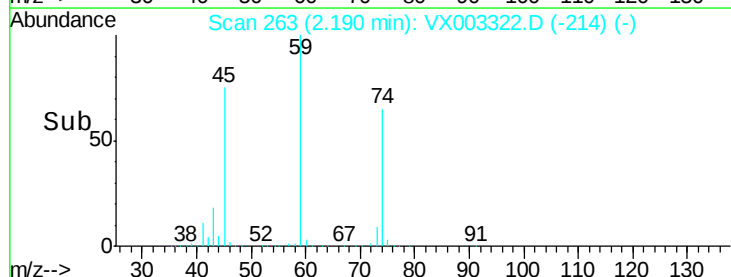
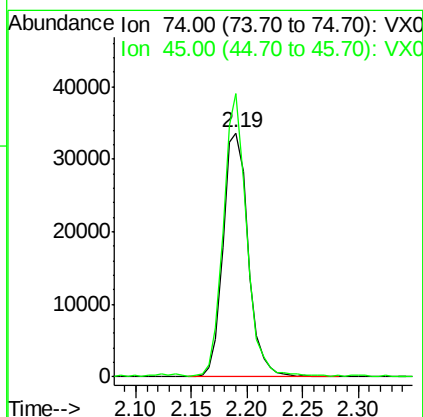
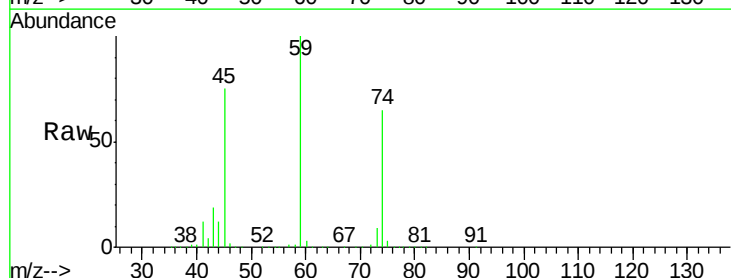
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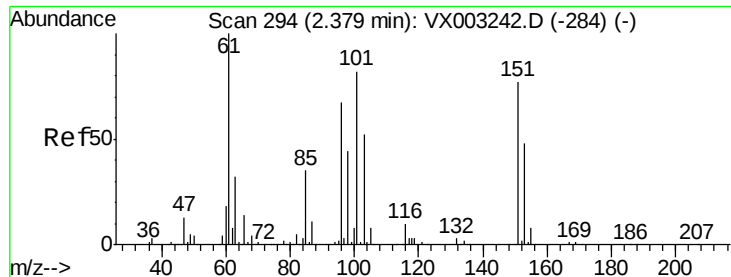


#8

Diethyl Ether
 Concen: 28.013 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.8	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.444 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:101 Resp: 80539

Ion Ratio Lower Upper

101 100

85 41.3 36.0 54.0

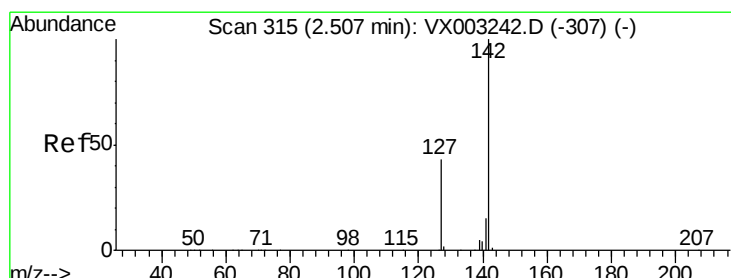
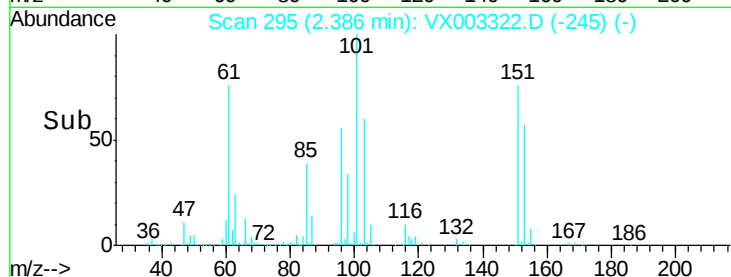
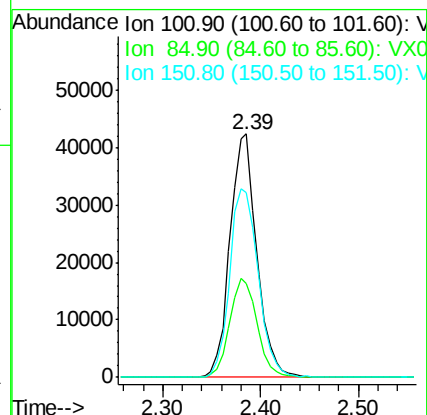
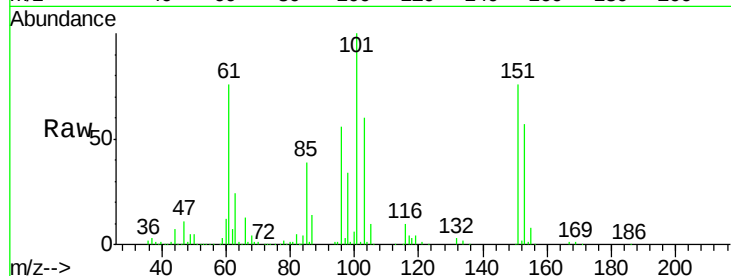
151 82.4 70.9 106.3

Manual Integrations

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#10

Methyl Iodide

Concen: 21.806 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

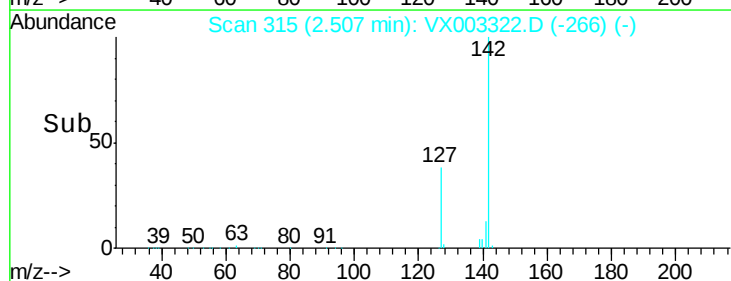
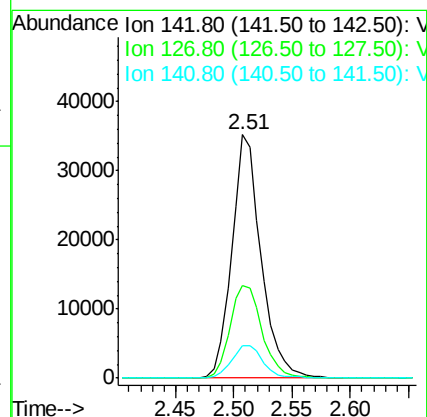
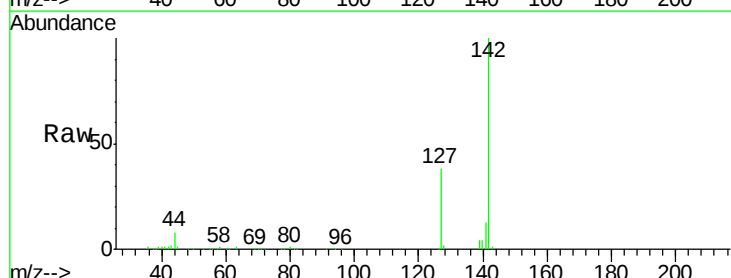
Tgt Ion:142 Resp: 61249

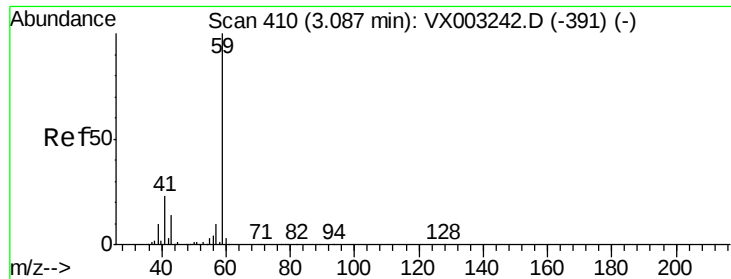
Ion Ratio Lower Upper

142 100

127 41.8 36.6 55.0

141 14.6 11.3 16.9





#11

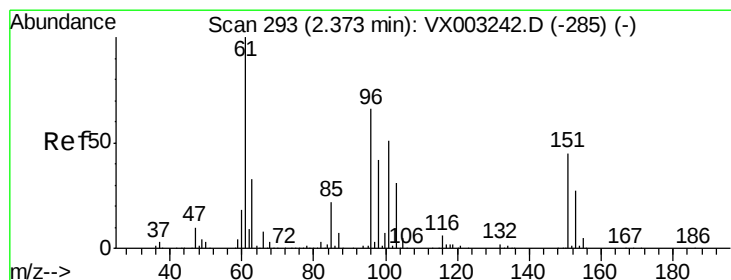
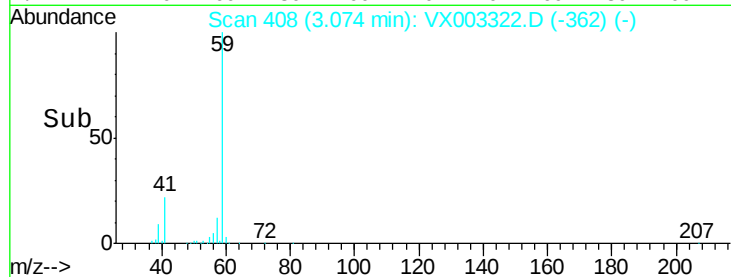
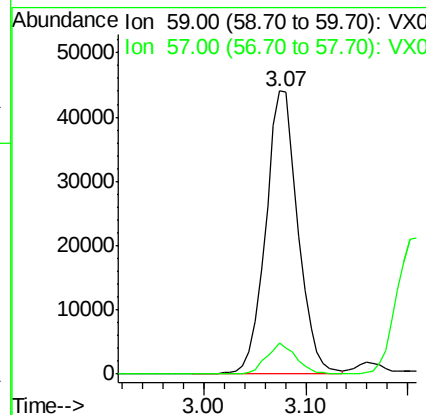
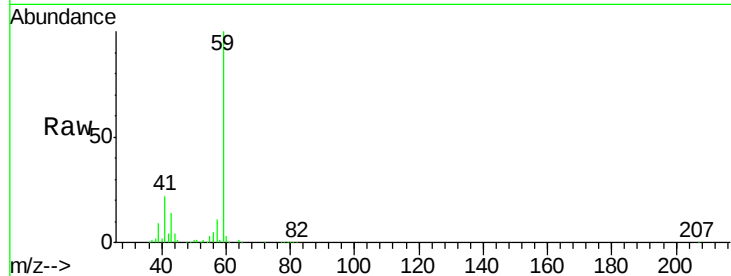
Tert butyl alcohol
Concen: 137.230 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.02 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	59	57	Ratio	100	10.2	Resp	96574	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.2	Resp	96574	Lower	8.2	Upper	12.2

Manual Integrations
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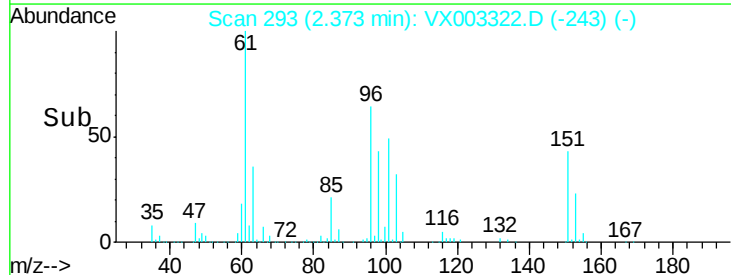
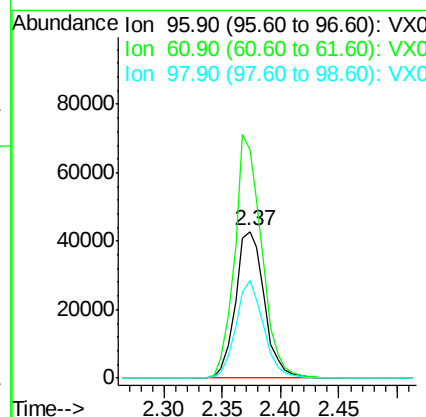
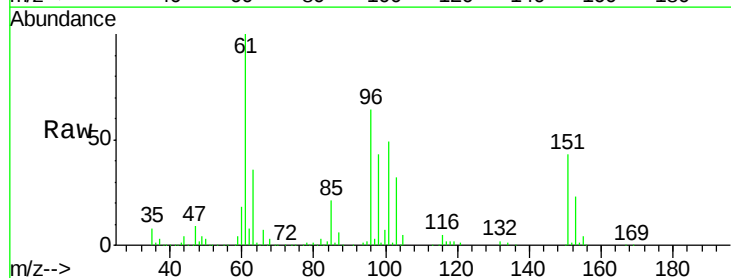
MMDadoda
7/12/2018 10:59:26 AM

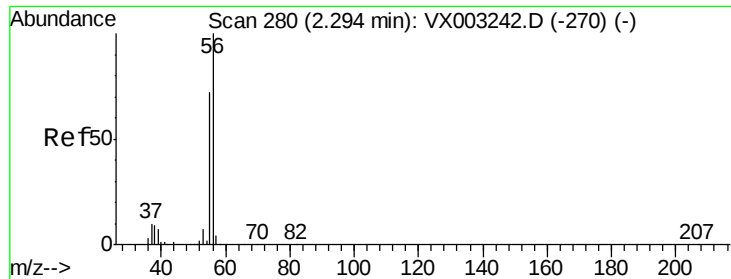


#12

1,1-Dichloroethene
Concen: 26.618 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	96	61	98	Ratio	100	156.3	67.1	Resp	73782	Lower	137.9	51.6	Upper	206.9	77.4
Ion	96	61	98	Ratio	100	156.3	67.1	Resp	73782	Lower	137.9	51.6	Upper	206.9	77.4





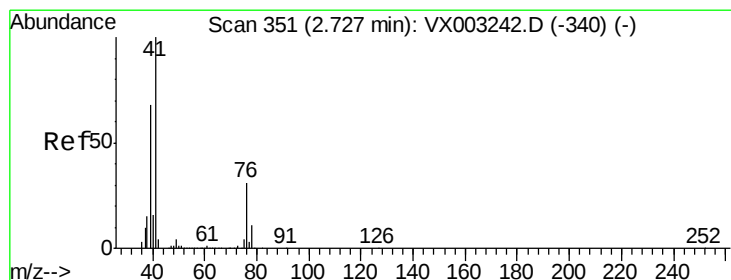
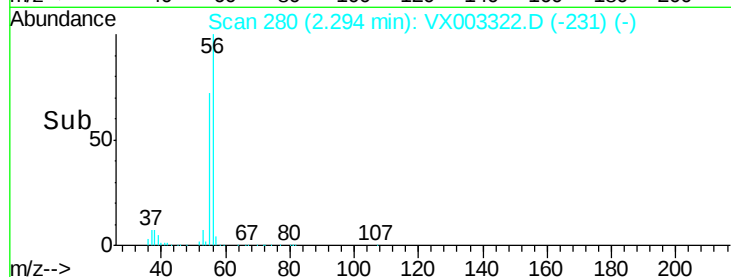
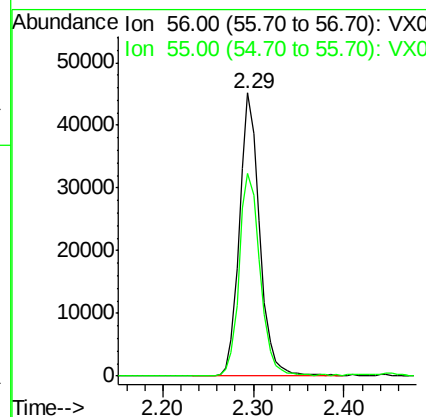
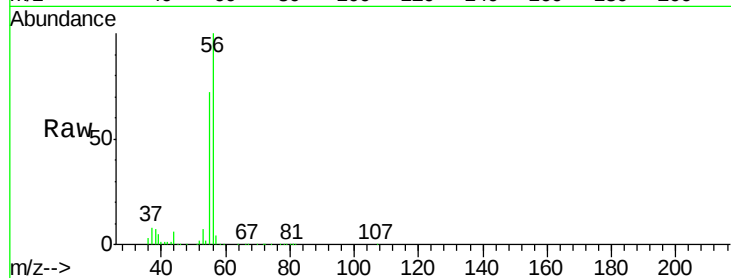
#13
Acrolein
Concen: 123.014 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	56	Resp	69760
Ion Ratio	100	Lower	Upper
55	73.8	57.0	85.4

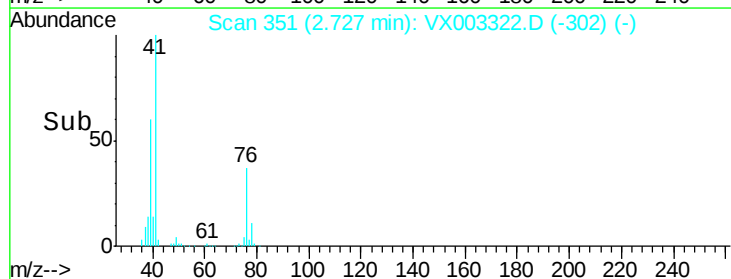
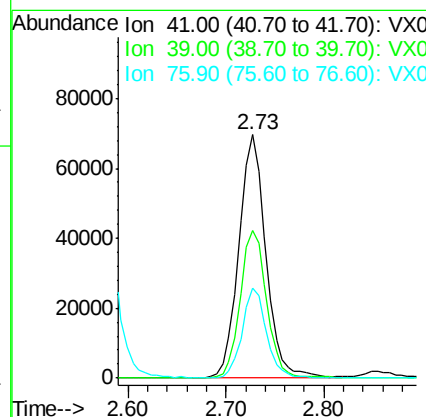
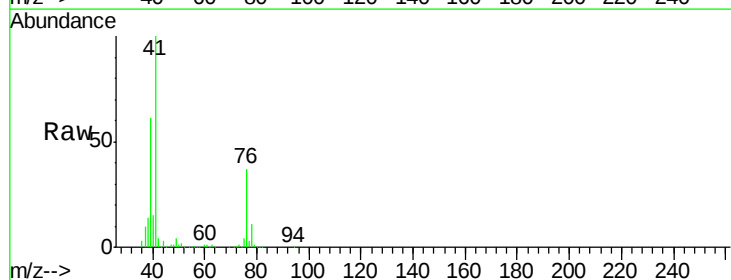
Manual Integrations
APPROVED

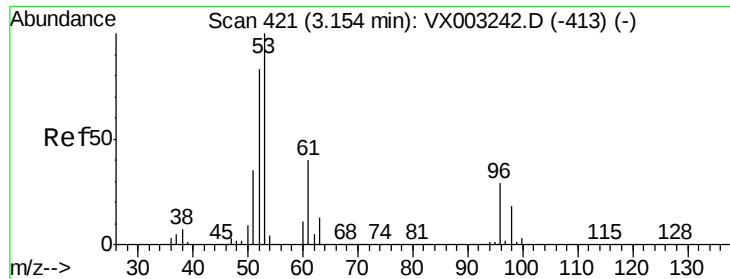
MMDadoda
7/12/2018 10:59:26 AM



#14
Allyl chloride
Concen: 25.908 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	41	Resp	133013
Ion Ratio	100	Lower	Upper
39	59.3	56.8	85.2
76	33.4	23.8	35.8





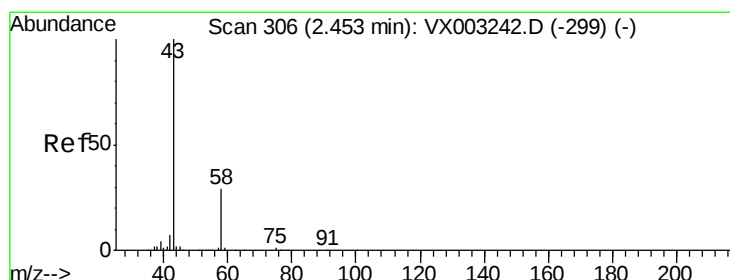
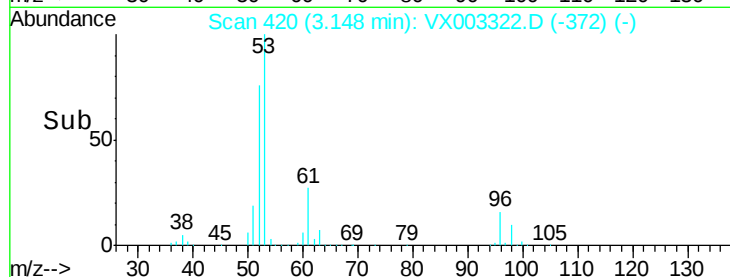
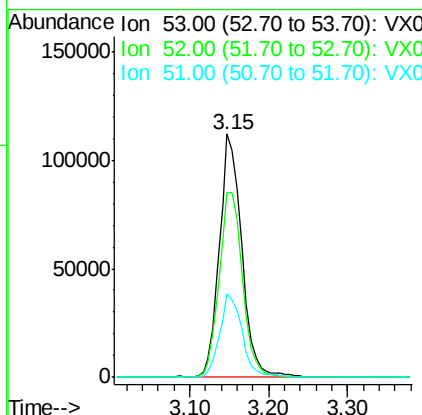
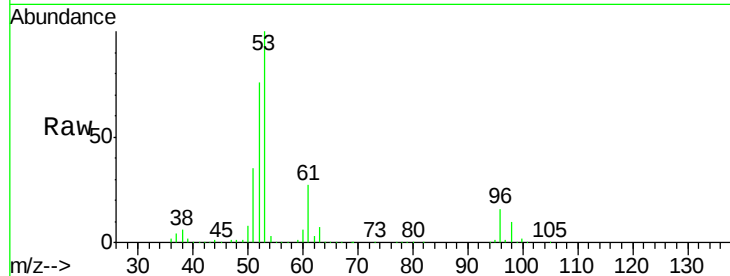
#15
 Acrylonitrile
 Concen: 140.884 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0711WBS01

Tot Ion:	53	Resp:	221387
Ion Ratio		Lower	Upper
53	100		
52	79.5	66.7	100.1
51	34.7	29.9	44.9

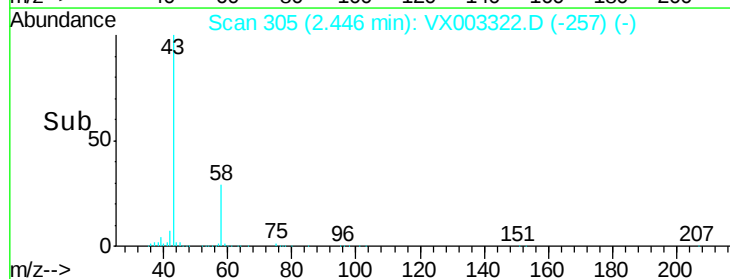
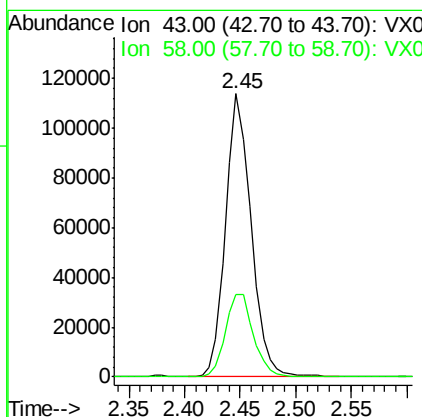
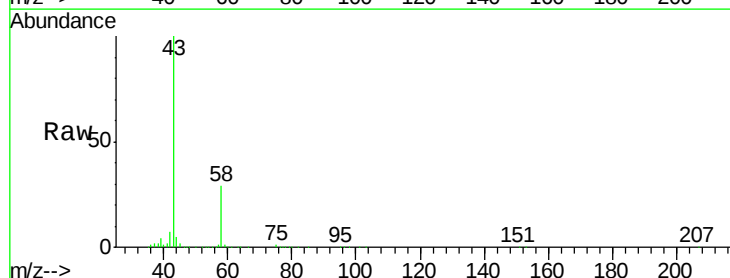
Manual Integrations
 APPROVED

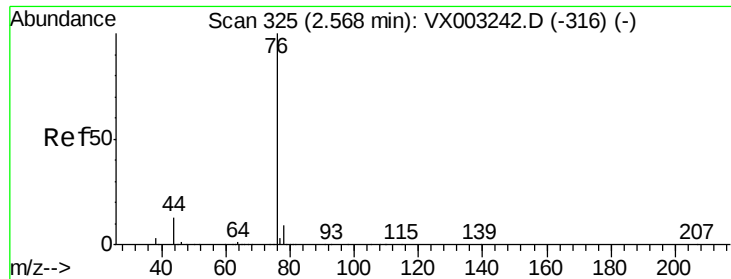
MMDadoda
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#16
 Acetone
 Concen: 131.294 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Tgt Ion:	43	Resp:	180938
Ion Ratio		Lower	Upper
43	100		
58	29.2	22.1	33.1





#17

Carbon Disulfide

Concen: 24.907 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 76 Resp: 191839

Ion Ratio Lower Upper

76 100

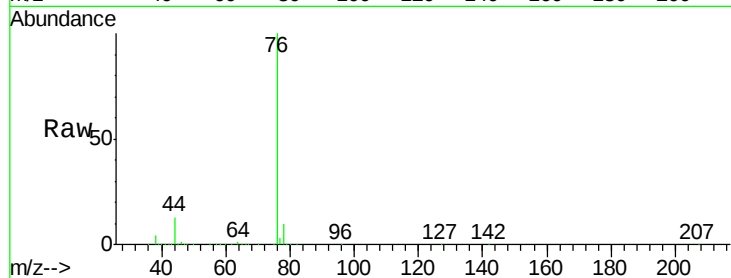
78 9.8 6.9 10.3

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

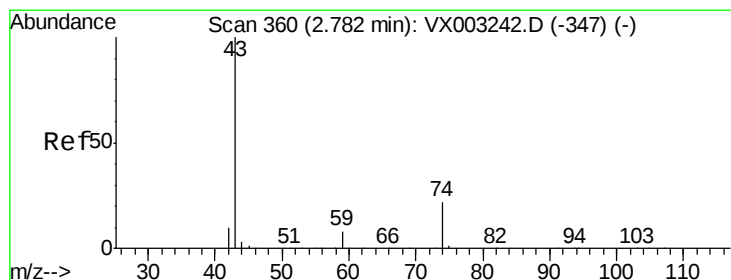
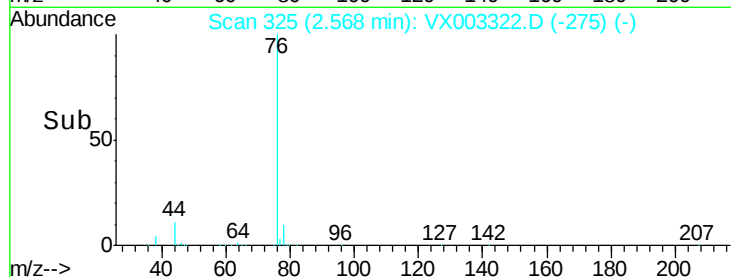
2.57

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 30.701 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003322.D

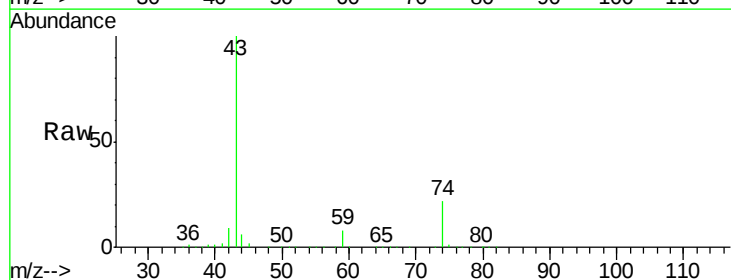
Acq: 11 Jul 2018 16:22

Tgt Ion: 43 Resp: 119357

Ion Ratio Lower Upper

43 100

74 22.3 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

80000

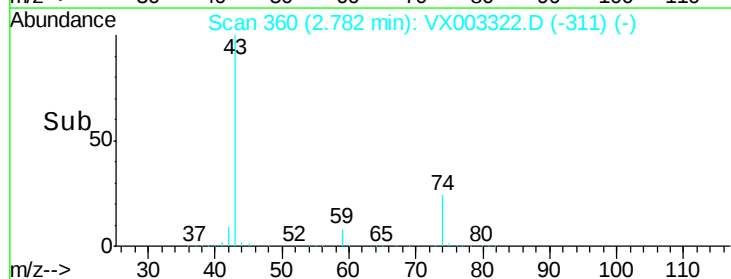
60000

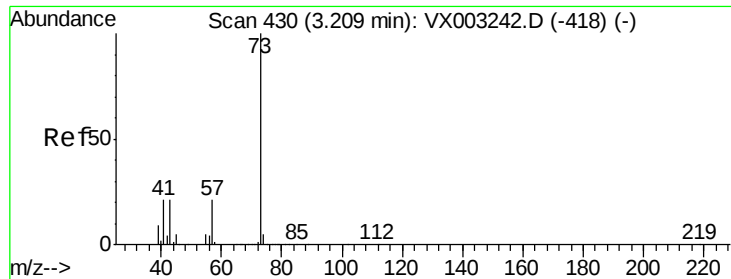
40000

20000

0

Time-->





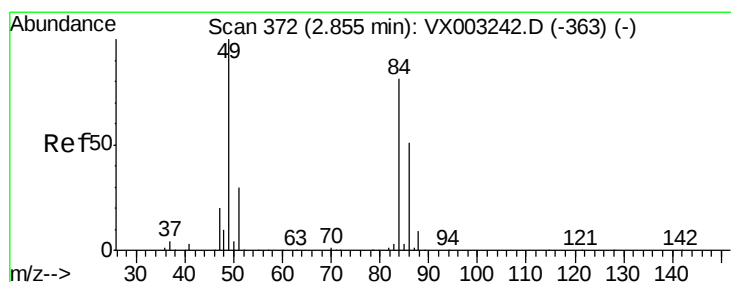
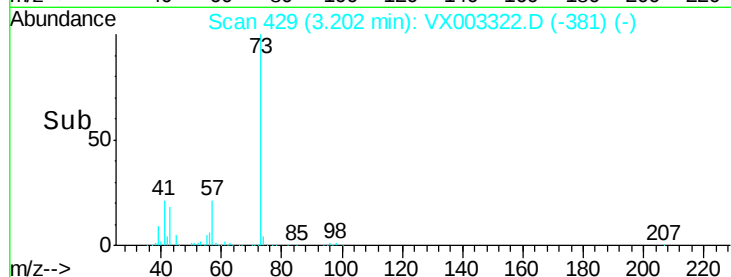
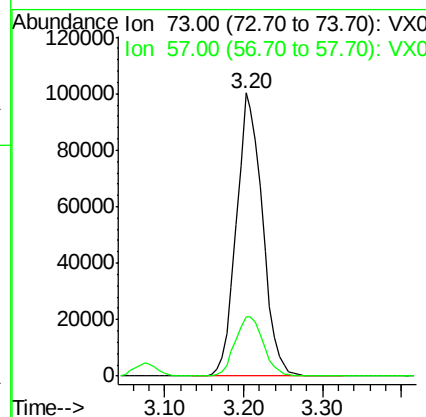
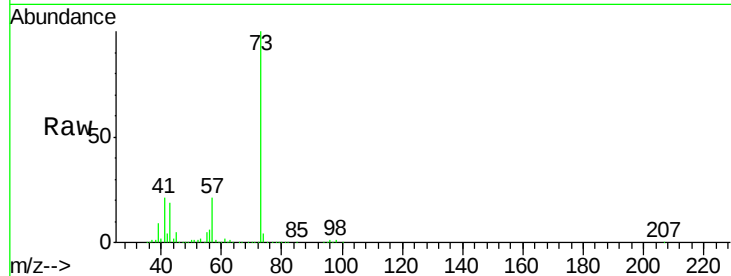
#19
Methyl tert-butyl Ether
Concen: 24.856 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion: 73 Resp: 230116
Ion Ratio Lower Upper
73 100
57 21.0 17.7 26.5

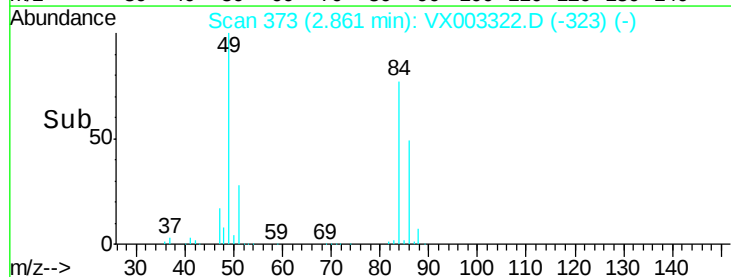
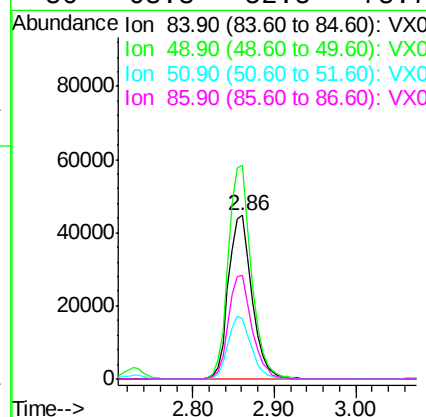
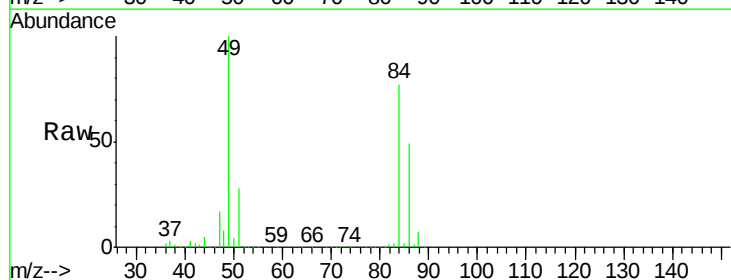
Manual Integrations
APPROVED

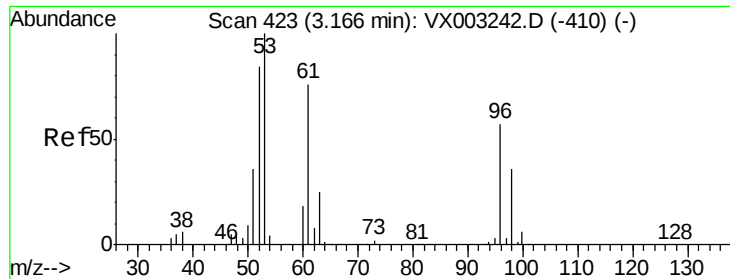
MMDadoda
7/12/2018 10:59:26 AM



#20
Methylene Chloride
Concen: 31.184 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion: 84 Resp: 88814
Ion Ratio Lower Upper
84 100
49 130.5 107.8 161.6
51 36.3 32.8 49.2
86 63.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 25.208 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 96 Resp: 74480

Ion Ratio Lower Upper

96 100

61 152.6 117.0 175.4

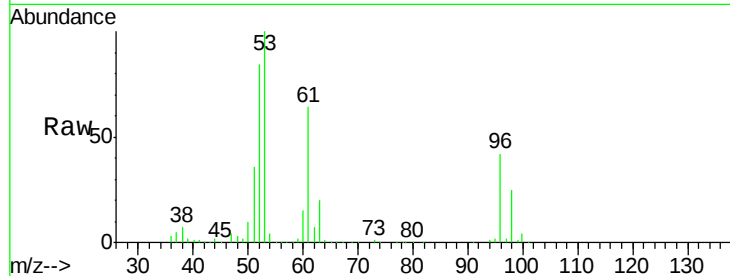
98 60.8 52.4 78.6

Manual Integrations

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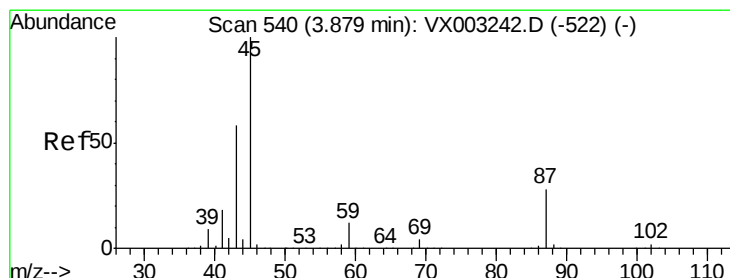
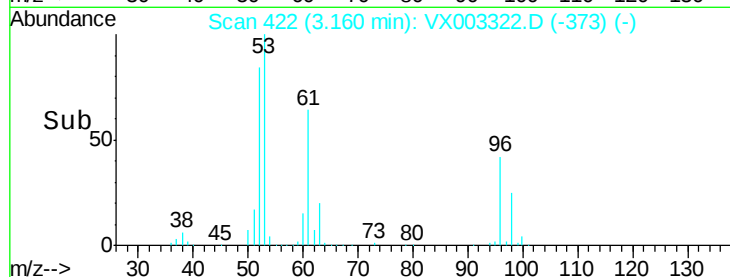
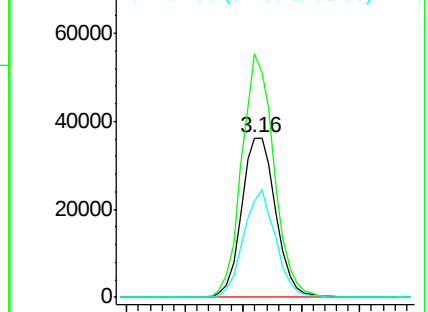
7/12/2018 10:59:26 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 24.060 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Tgt Ion: 45 Resp: 251304

Ion Ratio Lower Upper

45 100

43 60.0 46.8 70.2

87 26.6 20.2 30.4

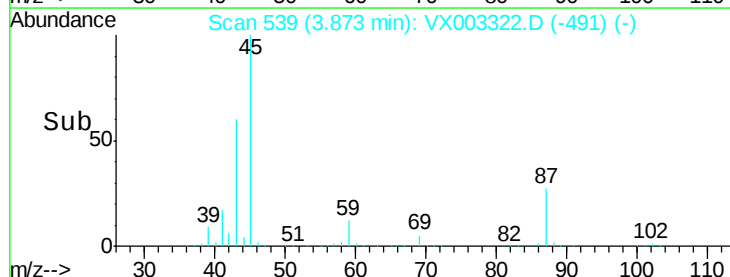
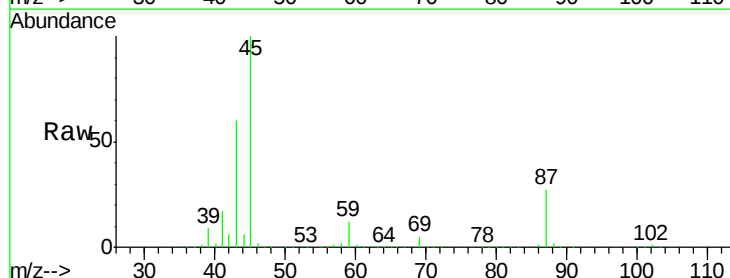
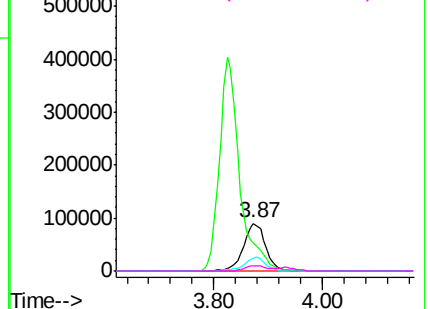
59 12.0 8.7 13.1

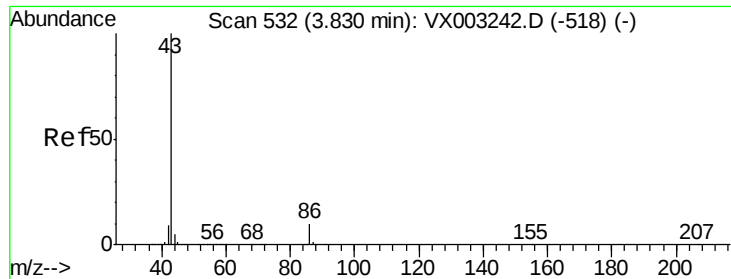
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 117.167 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 43 Resp: 1039011

Ion Ratio Lower Upper

43 100

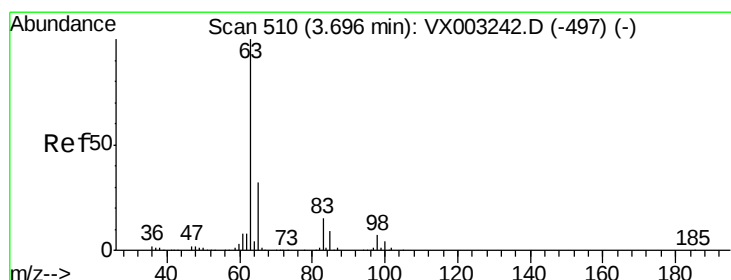
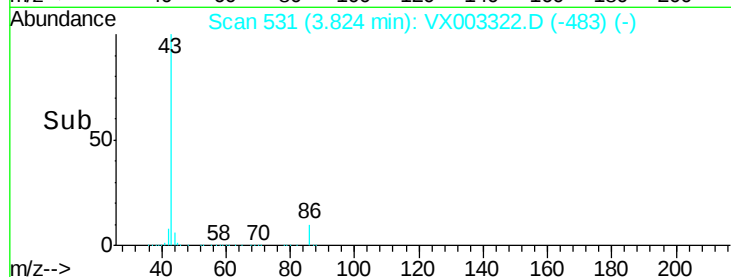
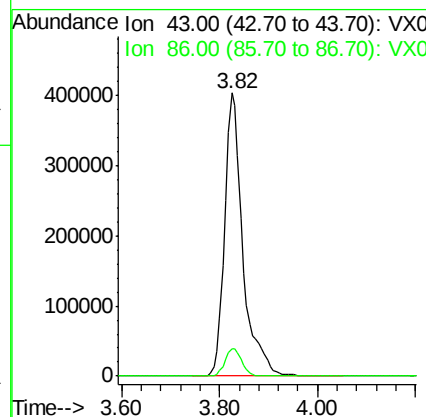
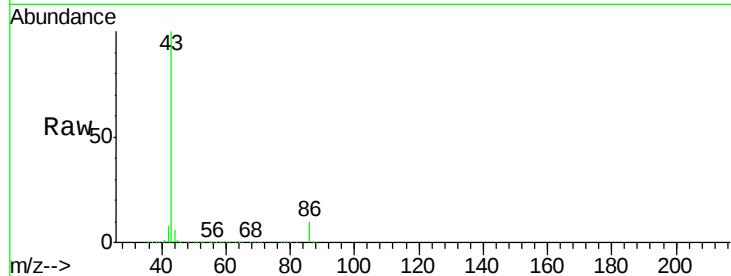
86 9.7 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 26.428 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

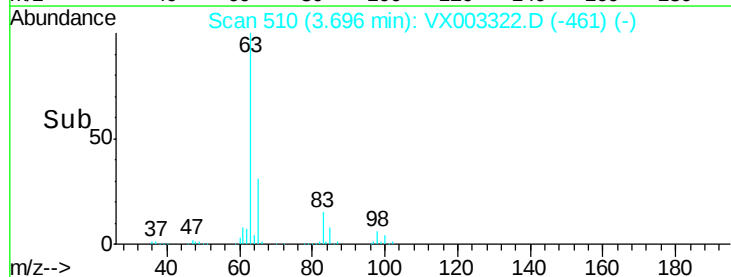
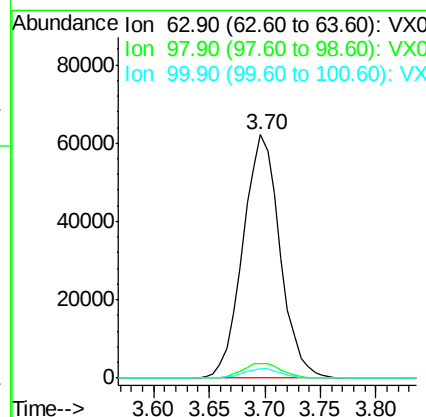
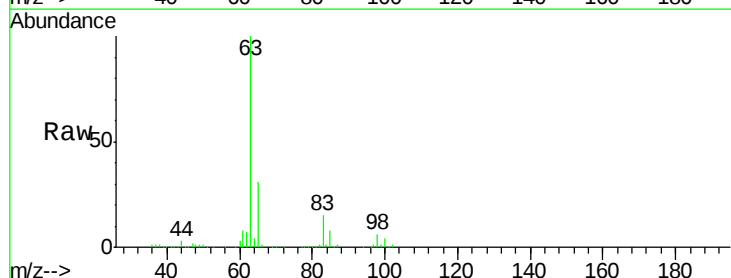
Tgt Ion: 63 Resp: 143671

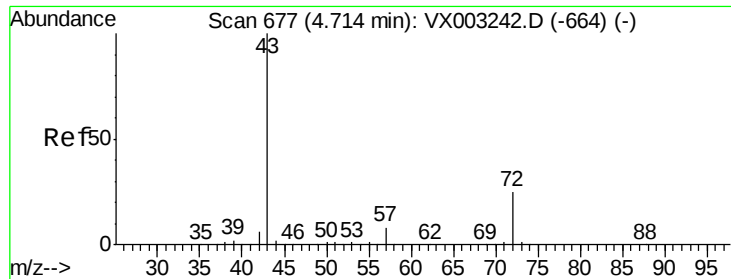
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 106.940 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 43 Resp: 260776

Ion Ratio Lower Upper

43 100

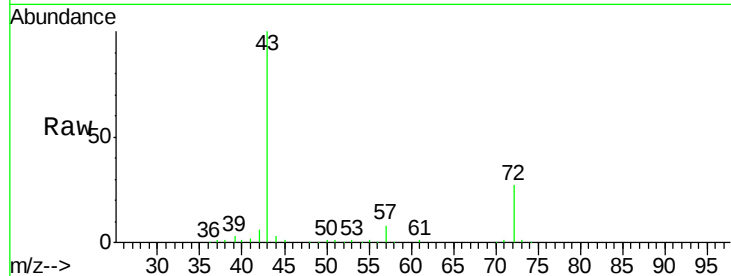
72 26.6 18.5 27.7

Manual Integrations

APPROVED

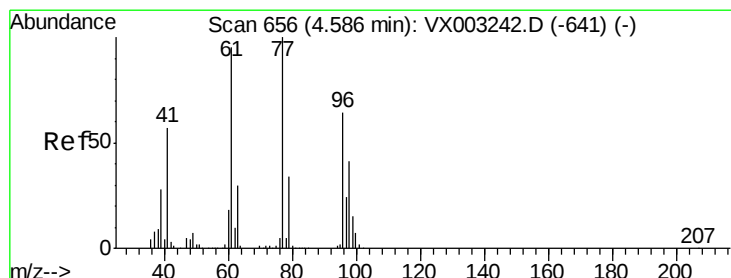
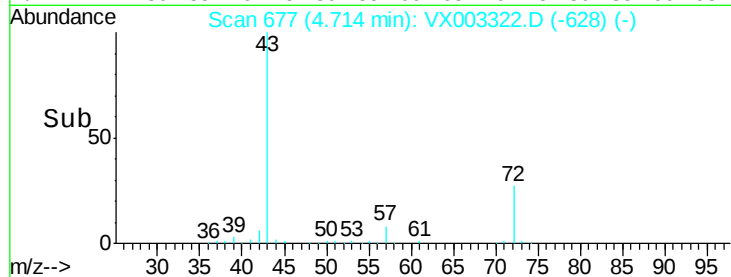
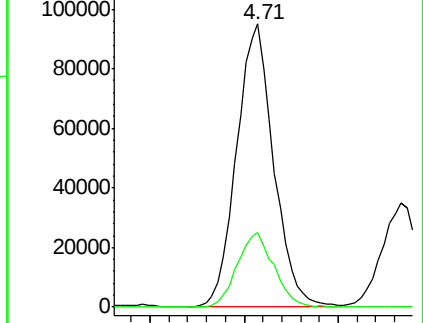
MMDadoda

7/12/2018 10:59:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.255 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX003322.D

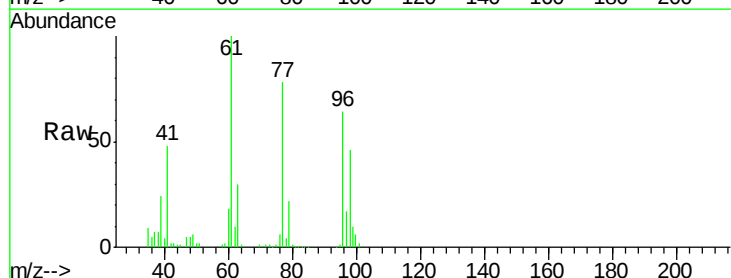
Acq: 11 Jul 2018 16:22

Tgt Ion: 77 Resp: 96315

Ion Ratio Lower Upper

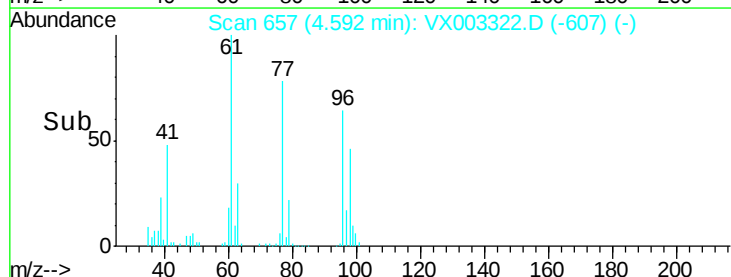
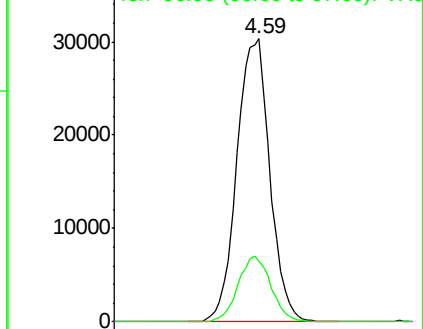
77 100

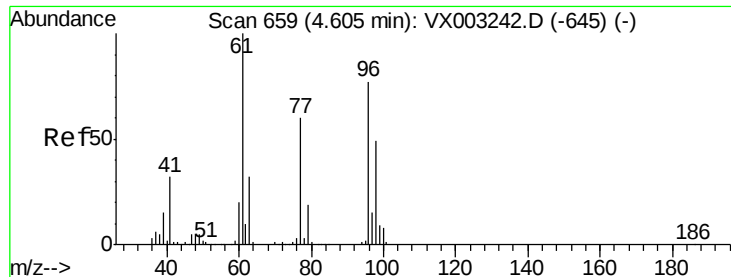
97 23.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

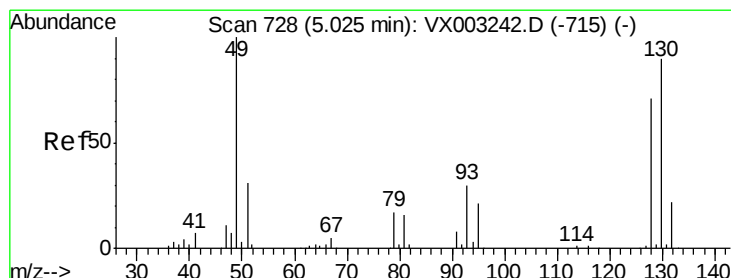
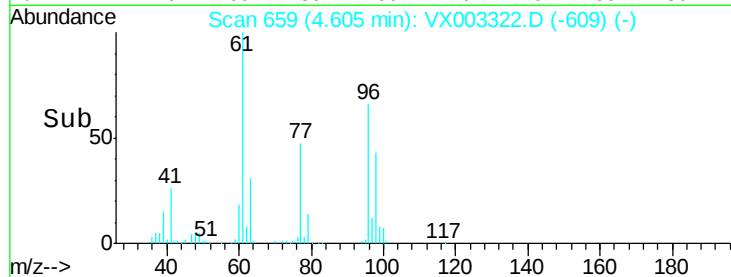
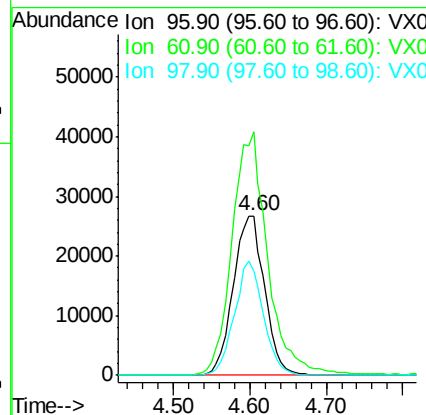
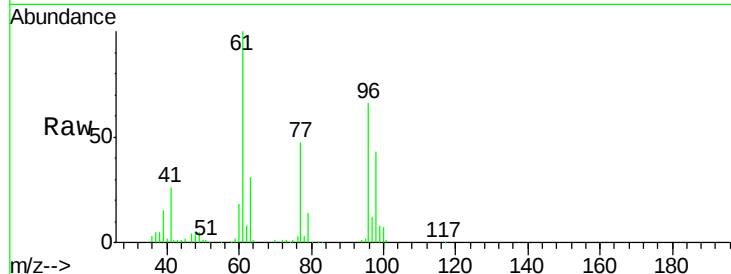
cis-1,2-Dichloroethene
 Concen: 20.825 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.0	0.0	330.2
98	66.3	0.0	130.2

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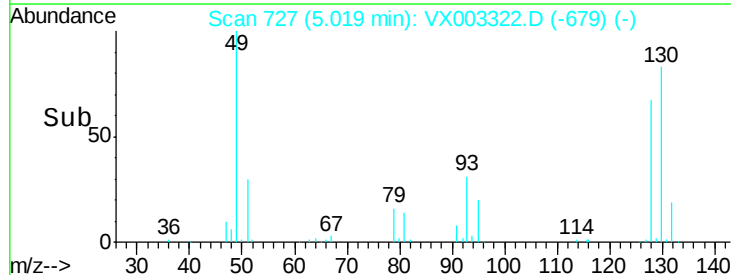
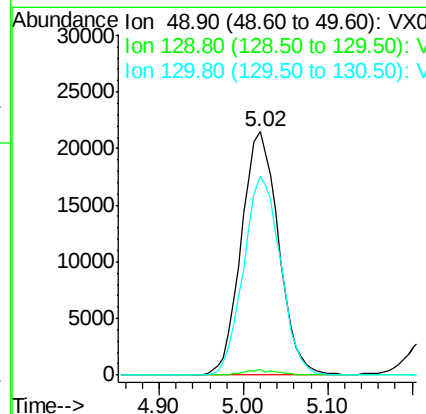
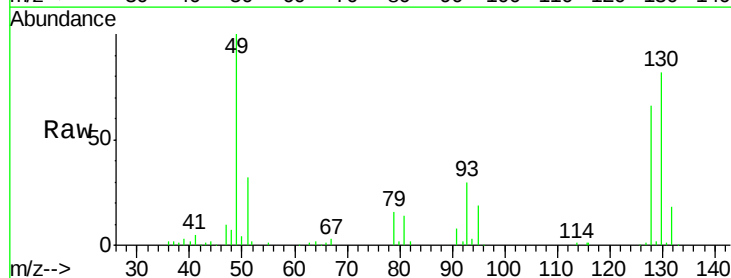
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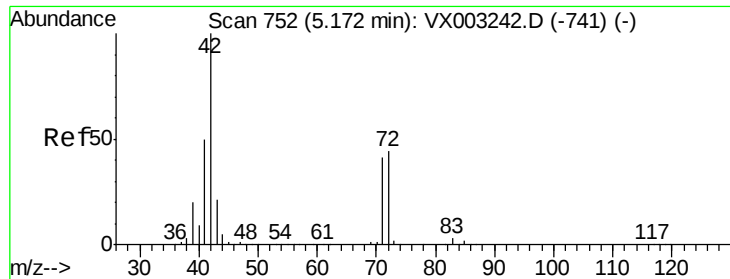


#28

Bromochloromethane
 Concen: 23.459 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	81.3	61.2	91.8





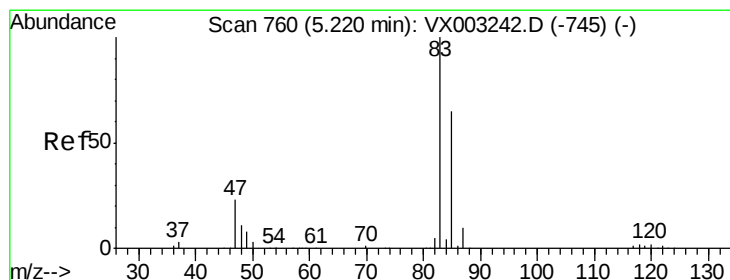
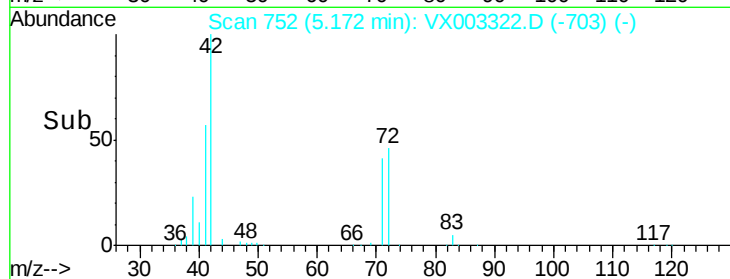
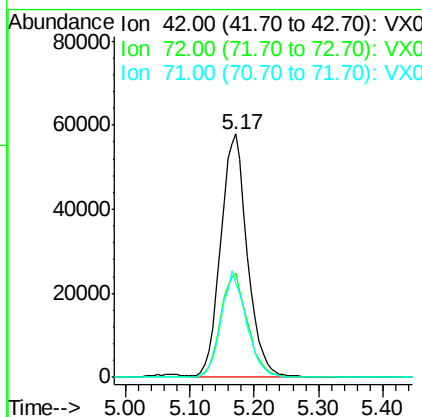
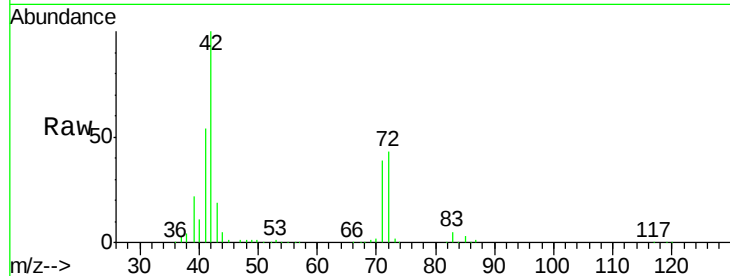
#29
Tetrahydrofuran
Concen: 106.600 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	32.0	48.0
71	41.3	30.1	45.1

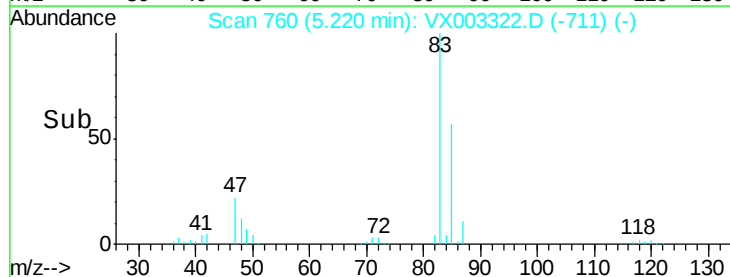
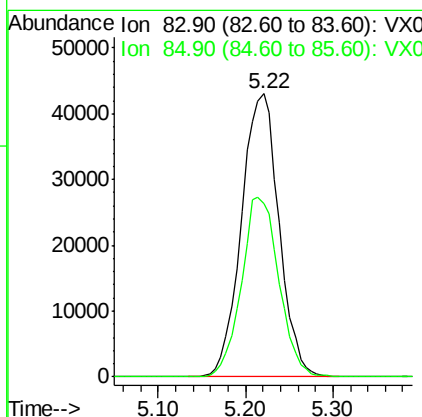
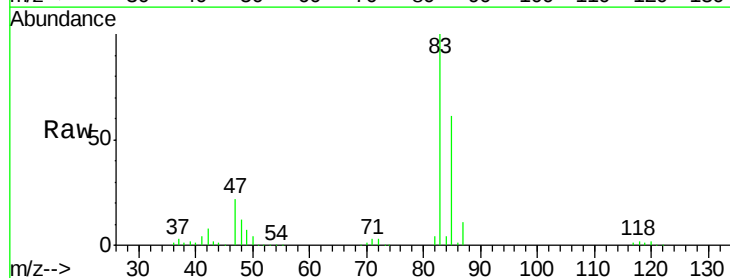
Manual Integrations
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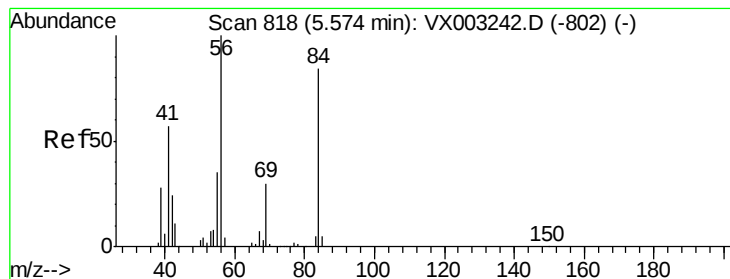
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#30
Chloroform
Concen: 21.459 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	50.4	75.6





#31

Cyclohexane

Concen: 21.429 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

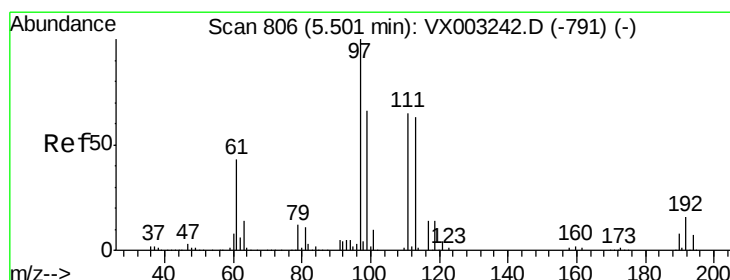
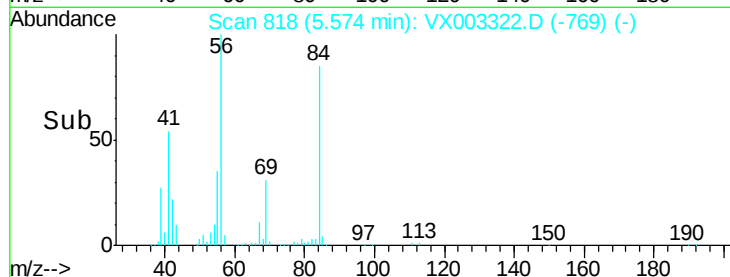
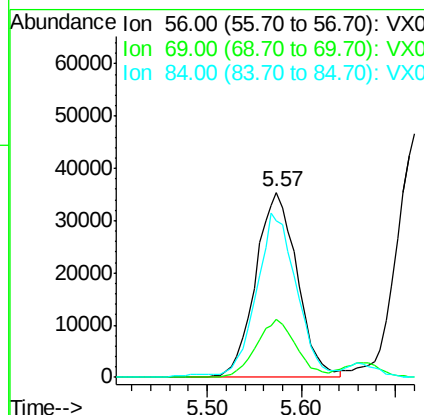
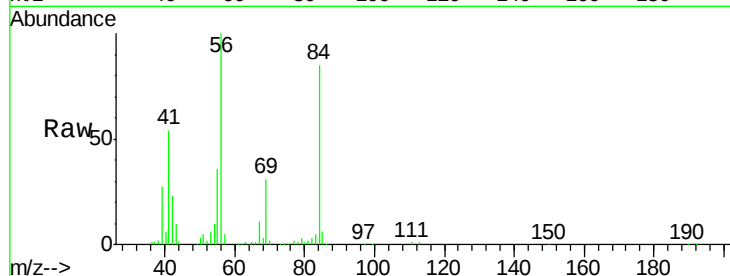
ClientSampleId :

VX0711WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.1	23.7	35.5	
84	83.3	64.1	96.1	

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#32

1,1,1-Trichloroethane

Concen: 19.872 ug/l

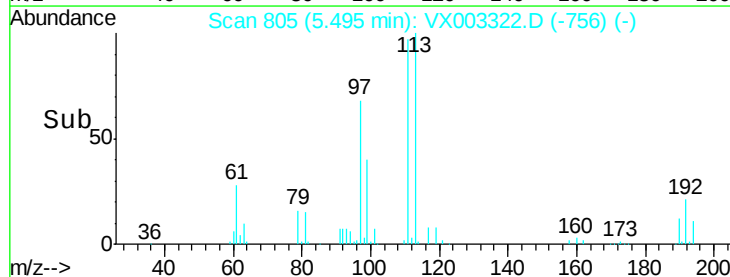
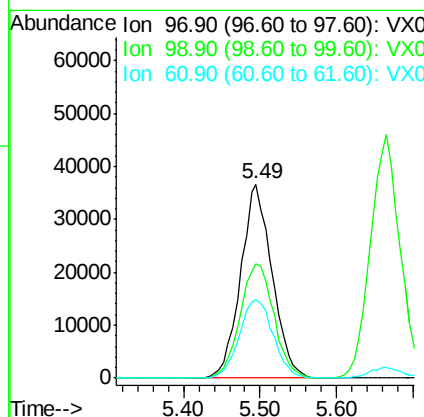
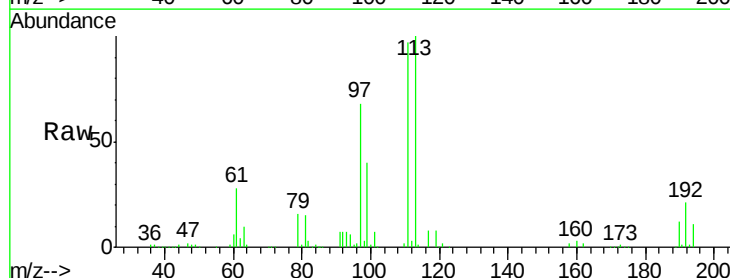
RT: 5.49 min Scan# 805

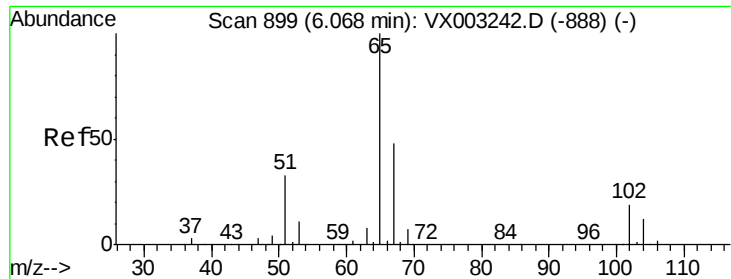
Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.1	51.6	77.4	
61	43.7	36.4	54.6	





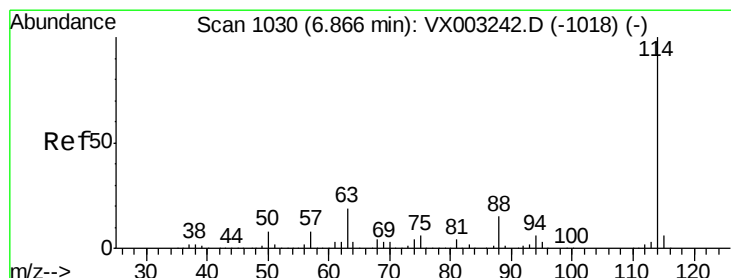
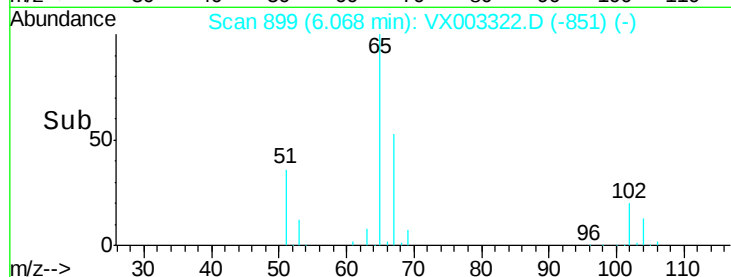
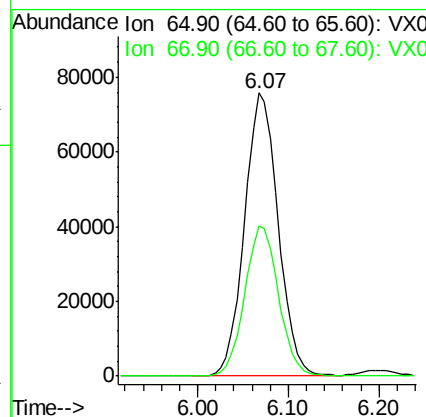
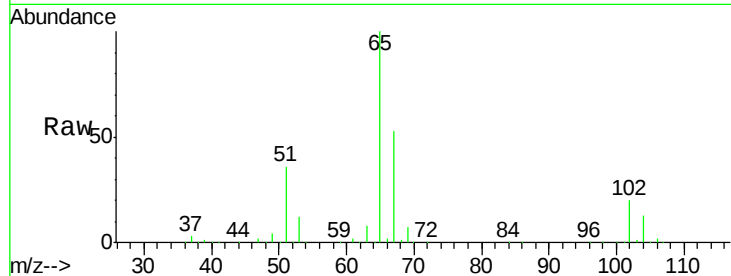
#33
 1,2-Dichloroethane-d4
 Concen: 50.103 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194486		
67	53.5	0.0	102.6	

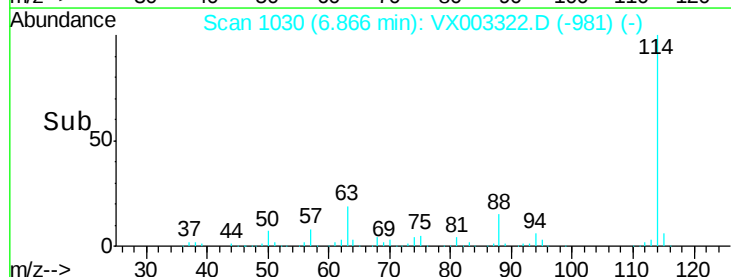
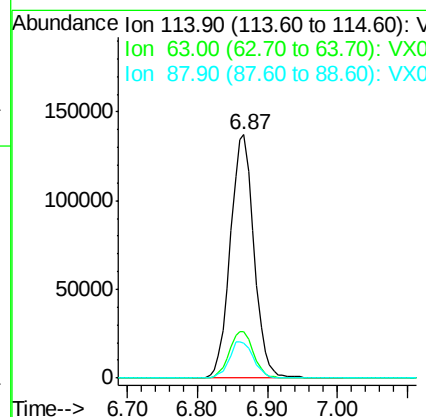
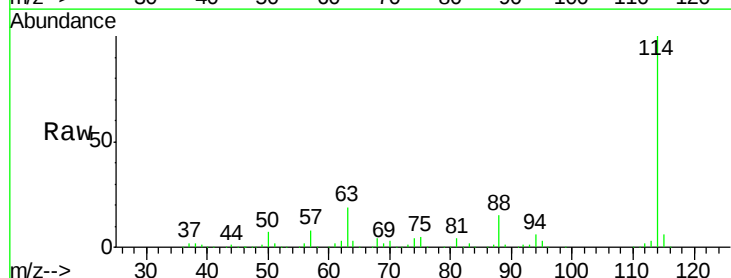
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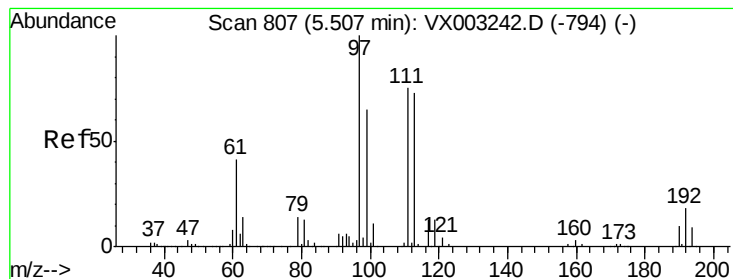
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	322445		
63	19.1	0.0	41.4	
88	14.5	0.0	30.0	





#35

Dibromofluoromethane

Concen: 48.909 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

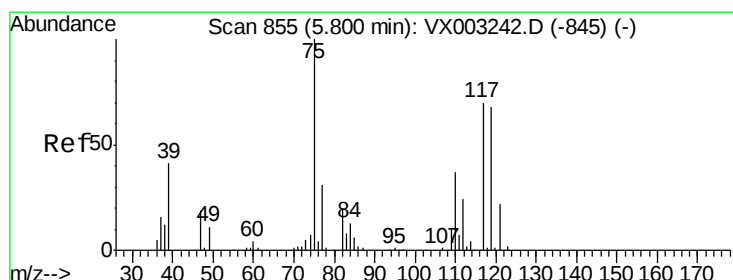
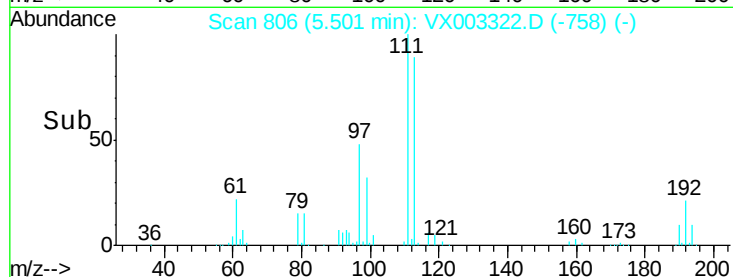
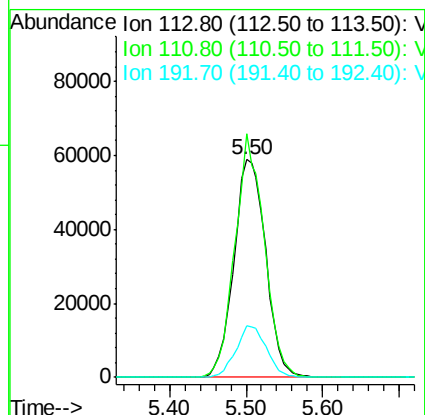
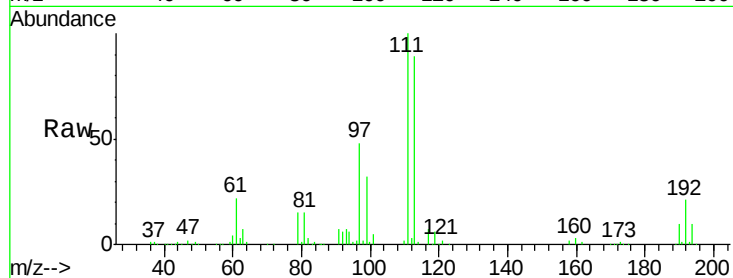
ClientSampleId :

VX0711WBS01

Tot Ion:	113	Resp:	169427
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.4	122.0
192	22.9	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 20.473 ug/l

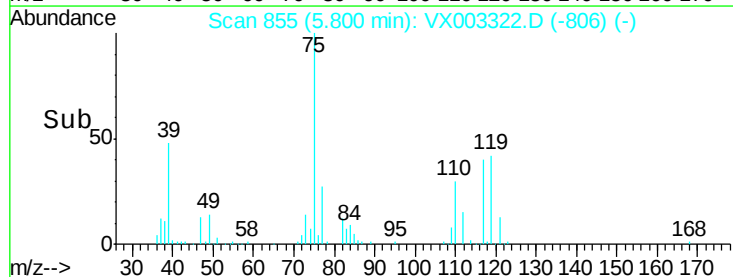
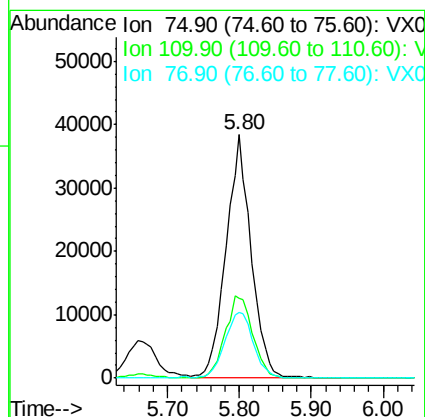
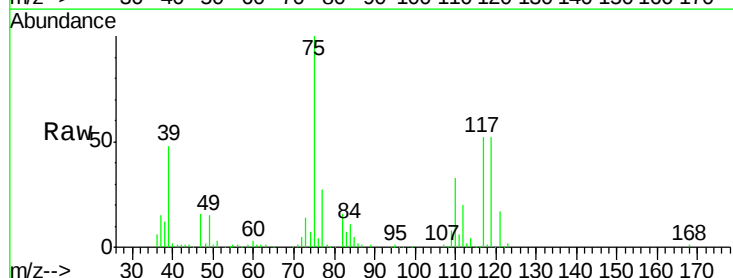
RT: 5.80 min Scan# 855

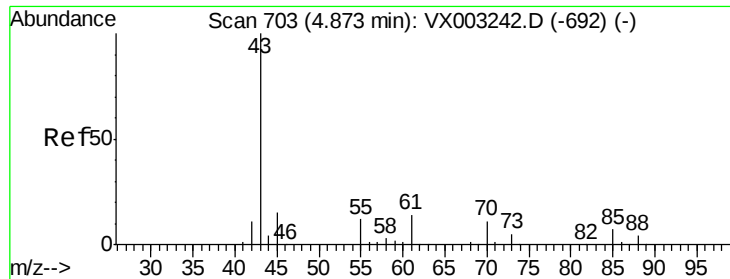
Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Tgt Ion:	75	Resp:	93448
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.1	54.4
77	30.6	24.3	36.5





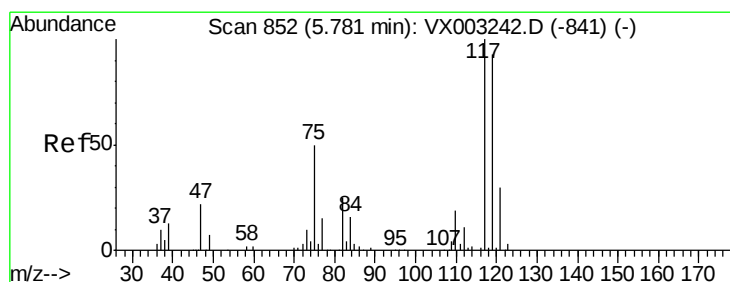
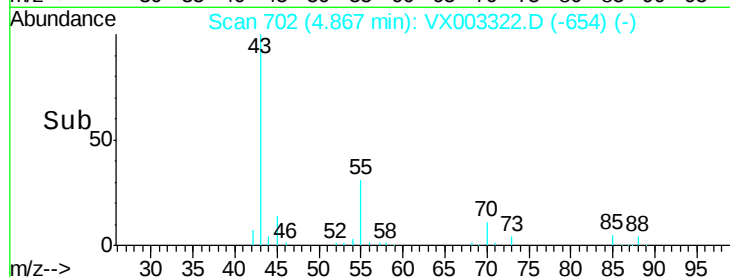
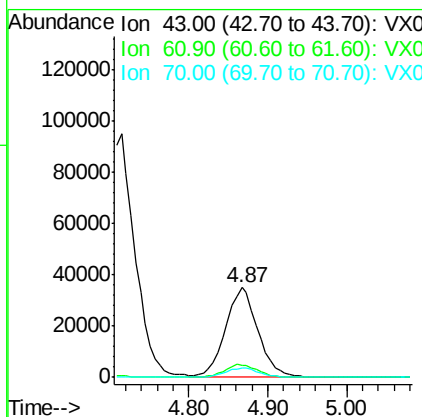
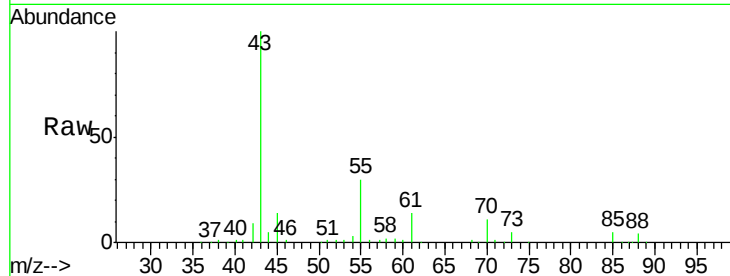
#37
Ethyl Acetate
Concen: 19.890 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	43	Resp	99533
Ion Ratio	100	Lower	Upper
43	100		
61	15.0	10.4	15.6
70	10.6	7.6	11.4

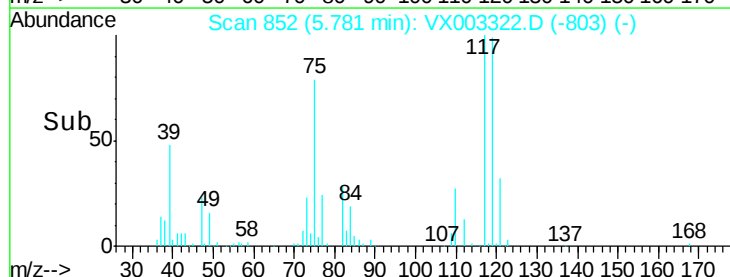
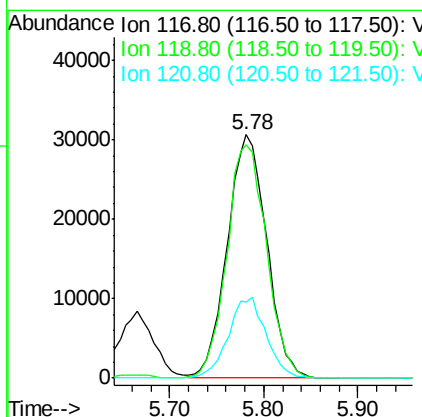
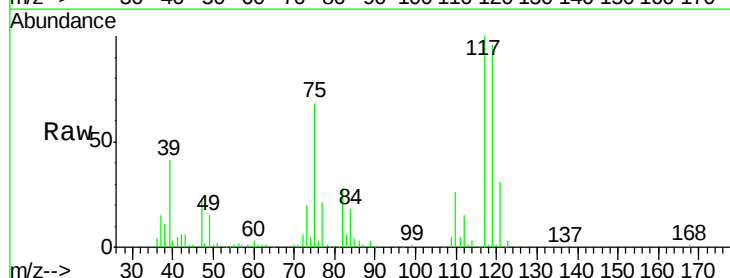
Manual Integrations
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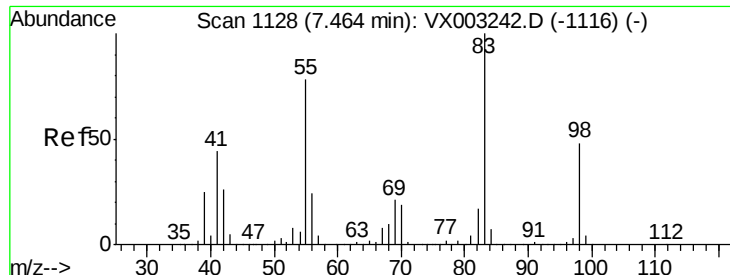
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#38
Carbon Tetrachloride
Concen: 17.924 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	117	Resp	89498
Ion Ratio	100	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	31.1	24.4	36.6





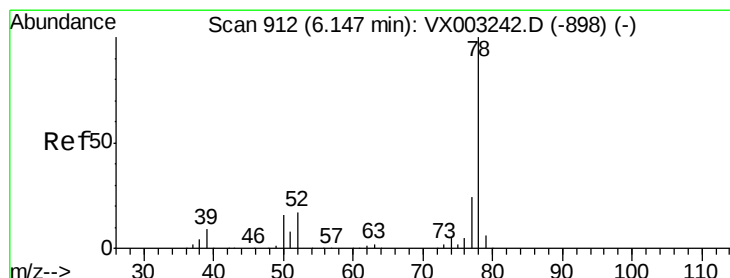
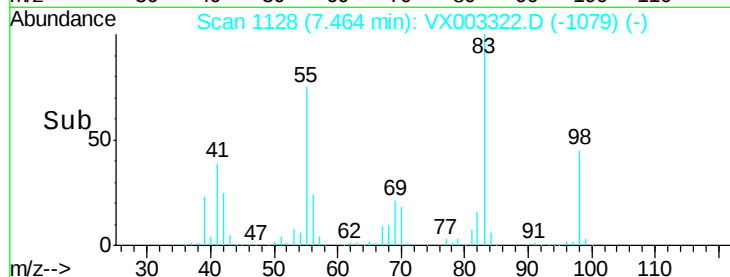
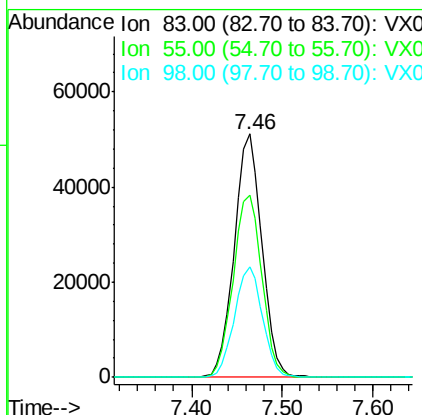
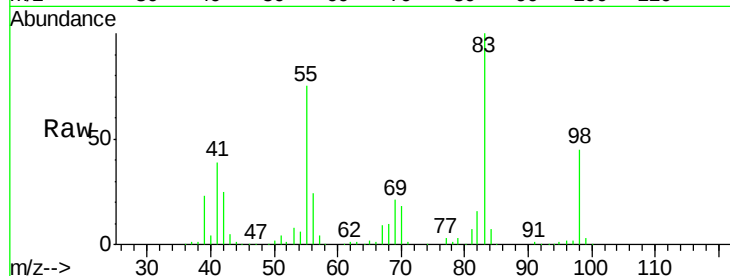
#39
Methylvlcvclohexane
Concen: 20.133 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	65.4	98.0
98	45.5	37.4	56.0

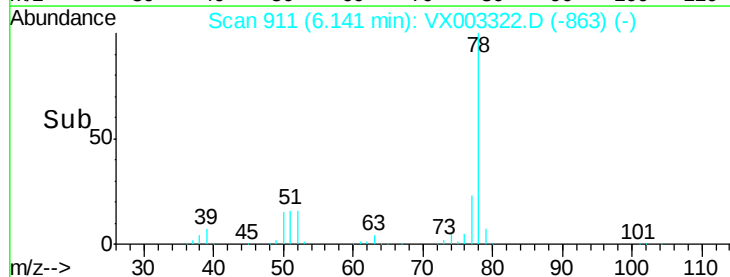
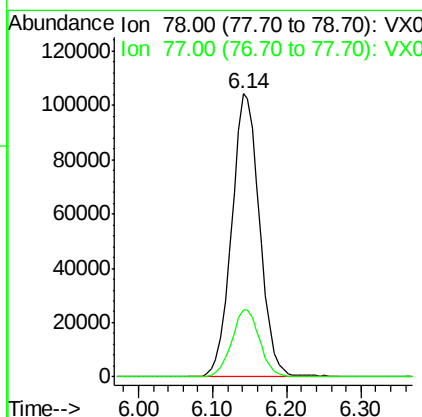
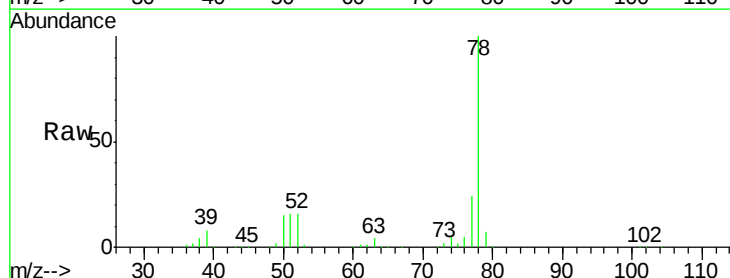
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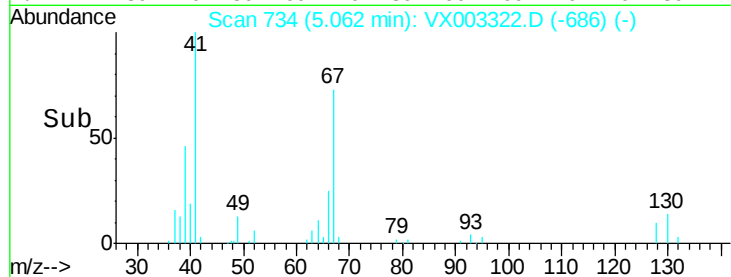
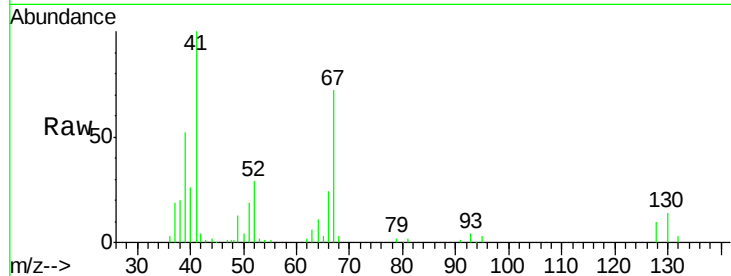
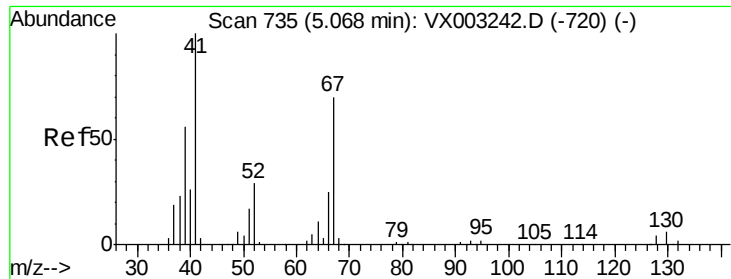
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#40
Benzene
Concen: 20.208 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





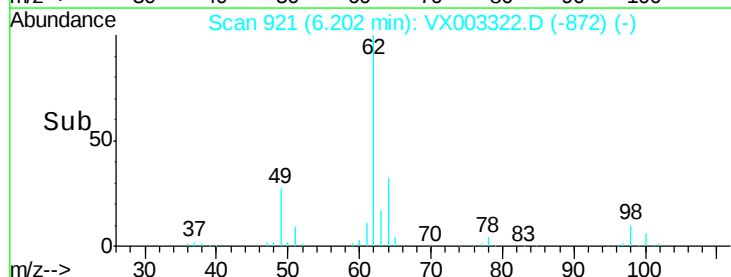
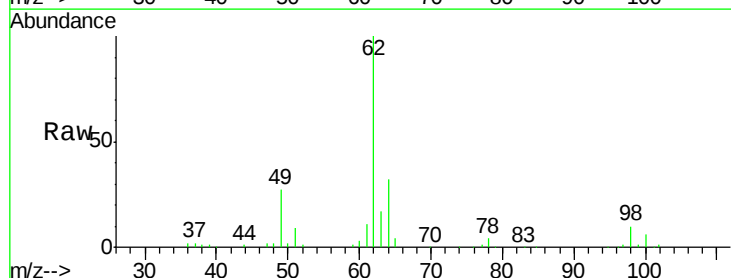
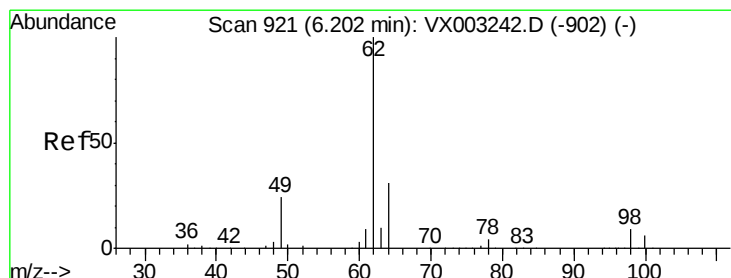
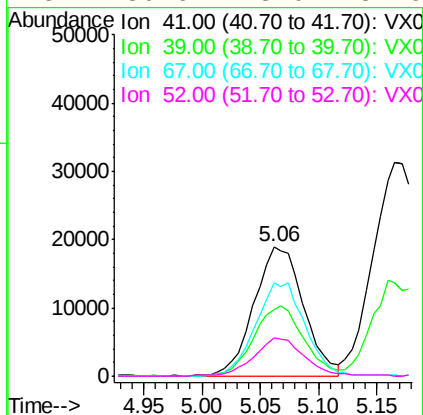
#41
Methacrylonitrile
Concen: 20.357 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	45.8	68.6
67	72.9	51.3	76.9
52	30.6	23.0	34.6

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

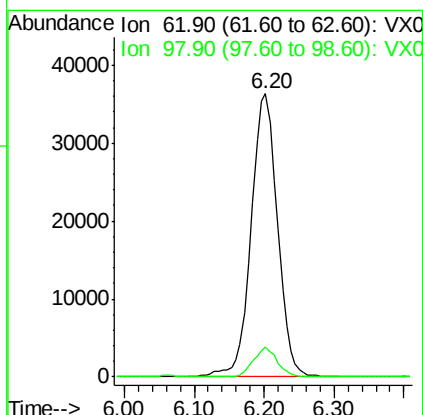
Manual Integrations
APPROVED

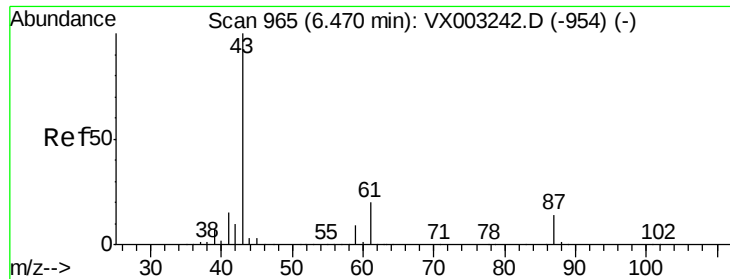
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7/12/2018 10:59:26 AM



#42
1,2-Dichloroethane
Concen: 18.900 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.6





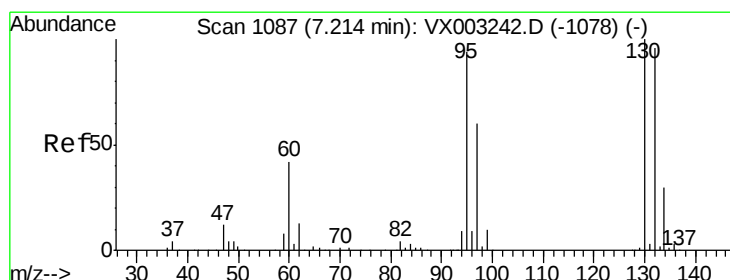
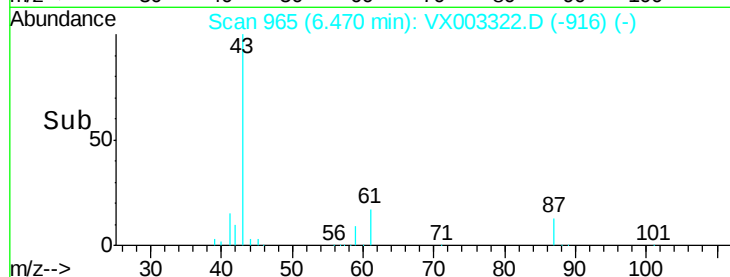
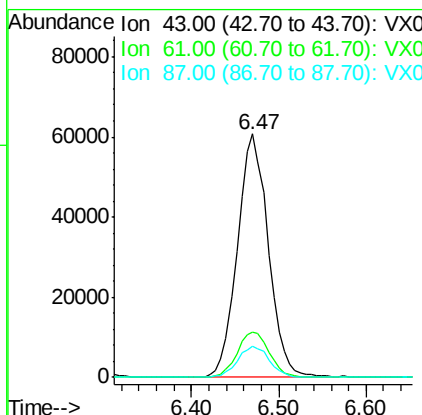
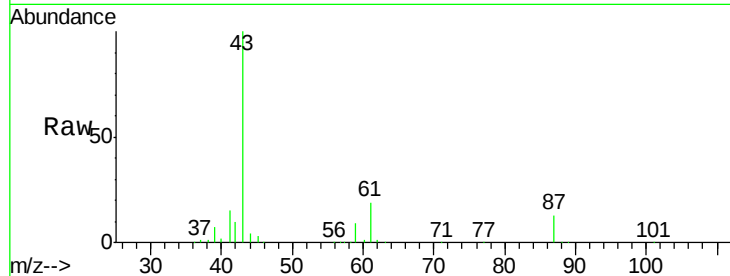
#43
Isopropyl Acetate
Concen: 18.948 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	14.4	21.6
87	13.1	9.5	14.3

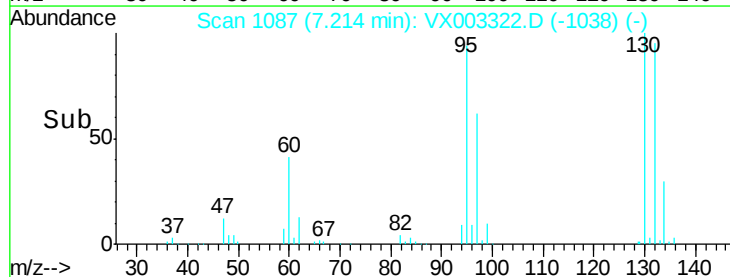
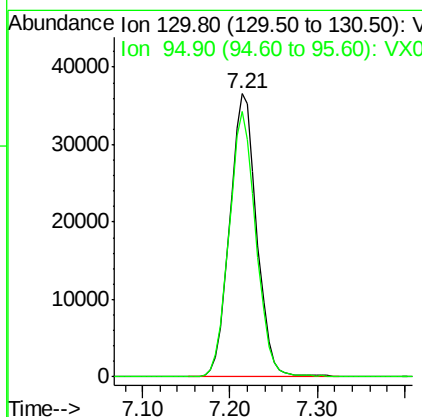
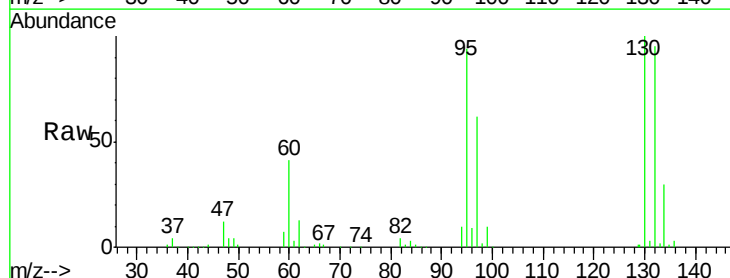
Manual Integrations
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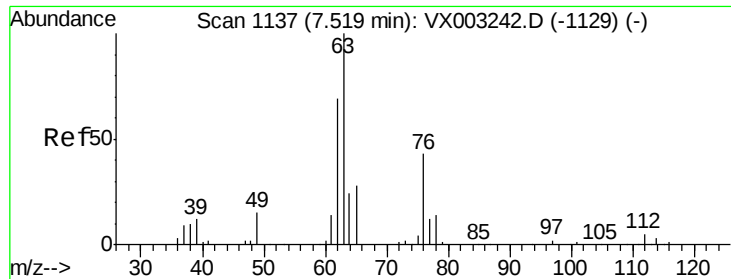
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#44
Trichloroethene
Concen: 19.681 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.953 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 63 Resp: 70172

Ion Ratio Lower Upper

63 100

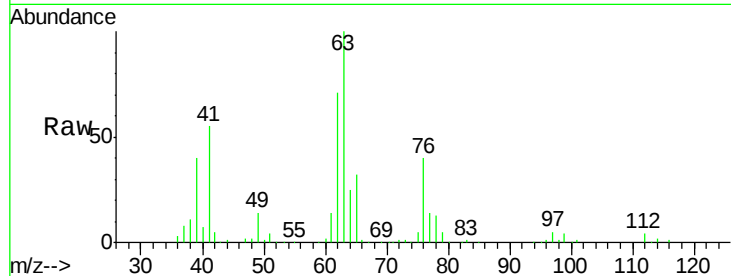
65 31.6 24.7 37.1

Manual Integrations

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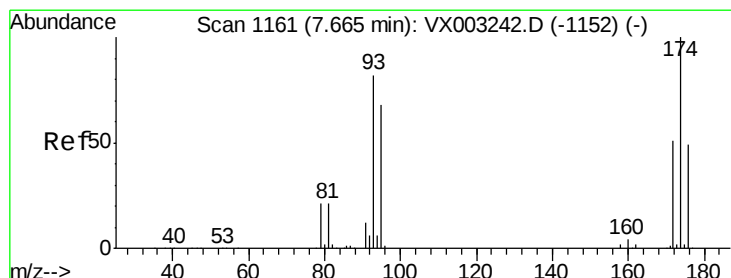
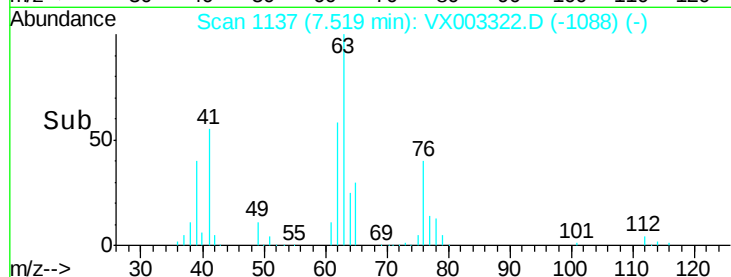
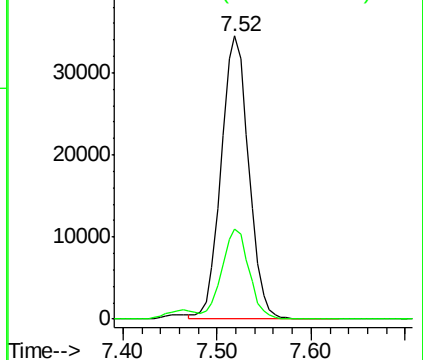
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.304 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

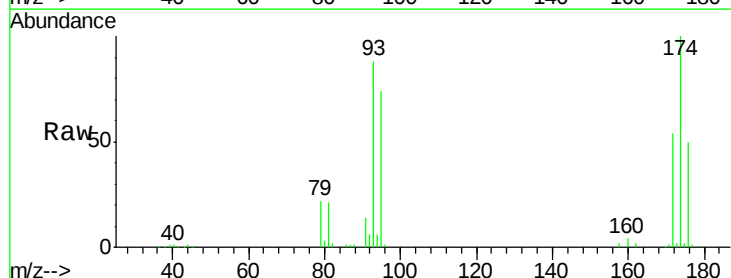
Tgt Ion: 93 Resp: 46273

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

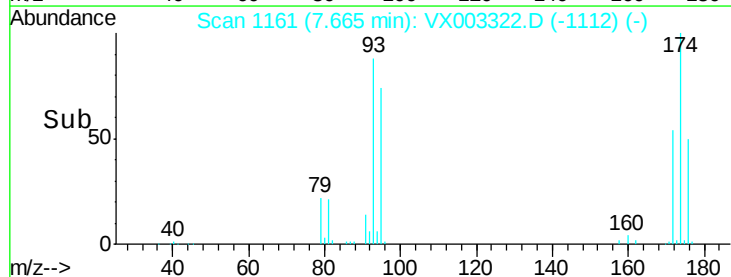
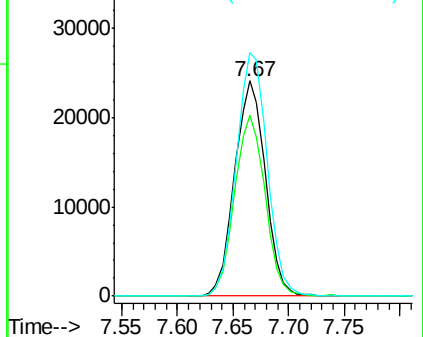
174 113.9 92.4 138.6

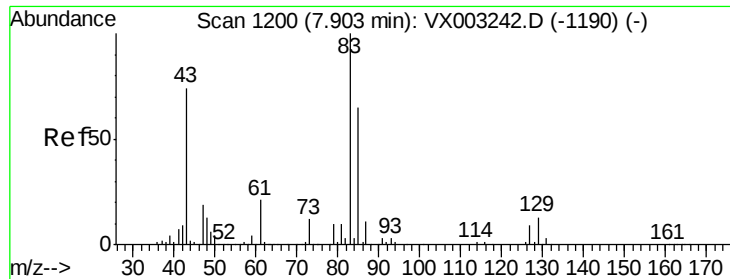


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.208 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

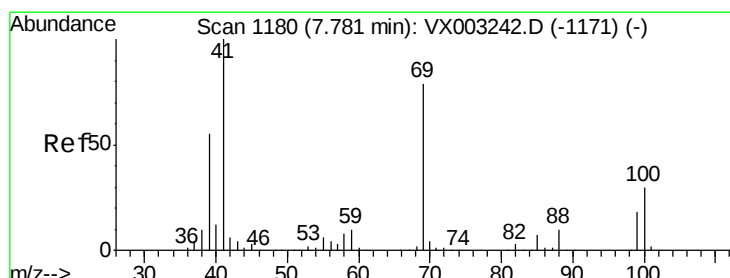
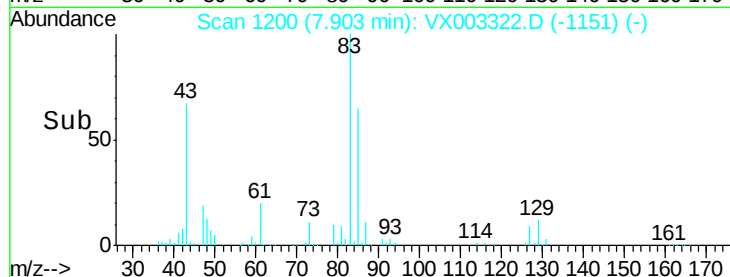
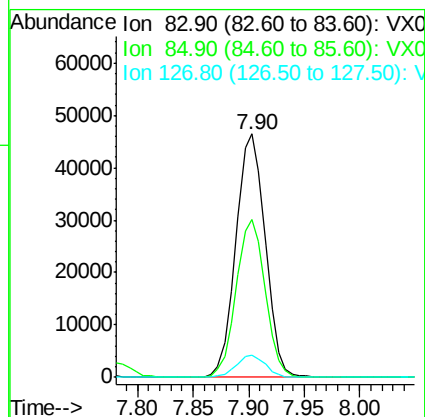
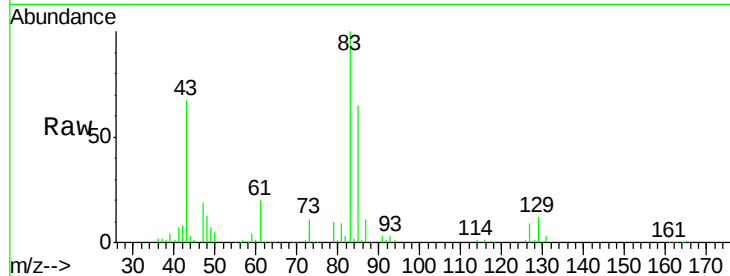
ClientSampleId :

VX0711WBS01

Tot Ion:	83	Resp:	84958
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.3	75.5
127	9.2	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.234 ug/l

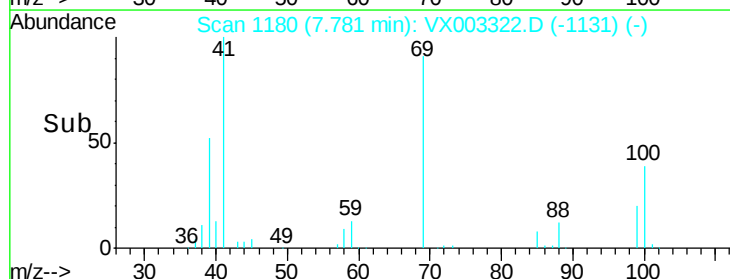
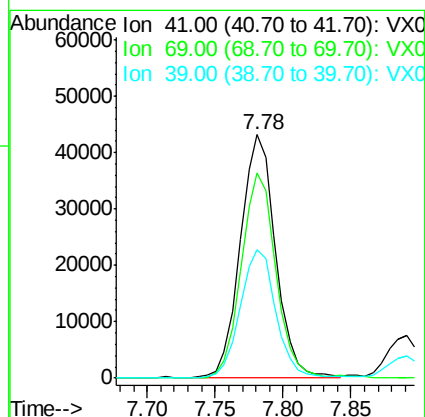
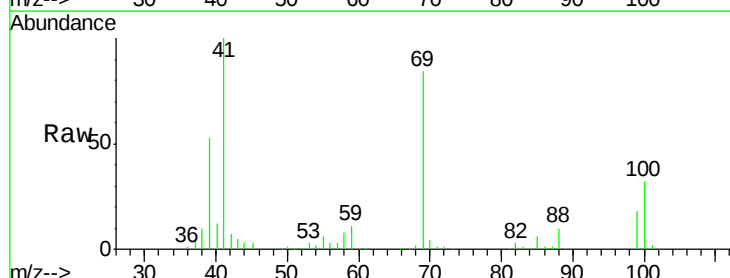
RT: 7.78 min Scan# 1180

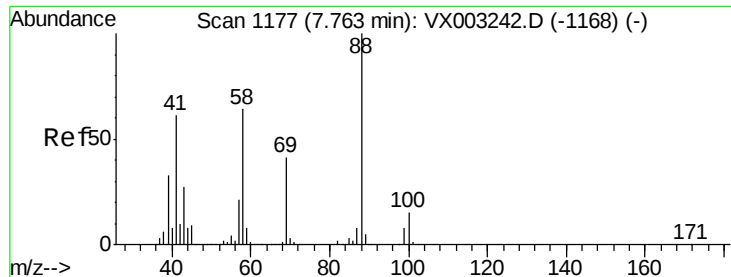
Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Tgt Ion:	41	Resp:	77515
Ion	Ratio	Lower	Upper
41	100		
69	84.4	59.1	88.7
39	53.1	48.9	73.3





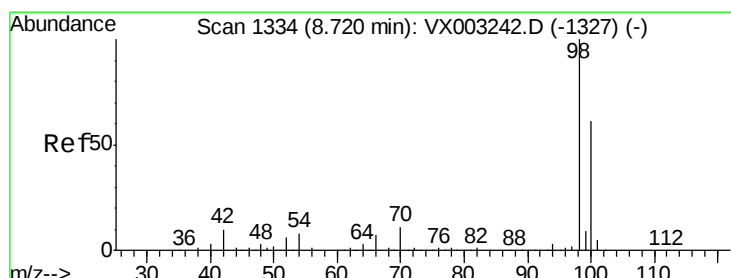
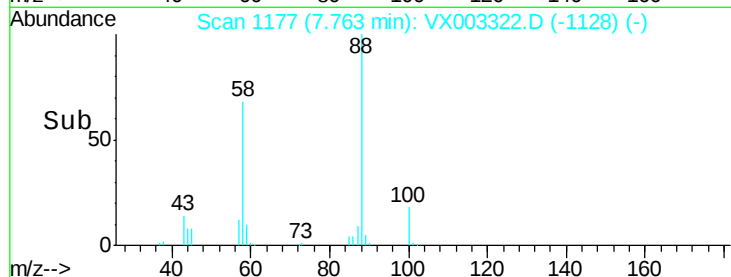
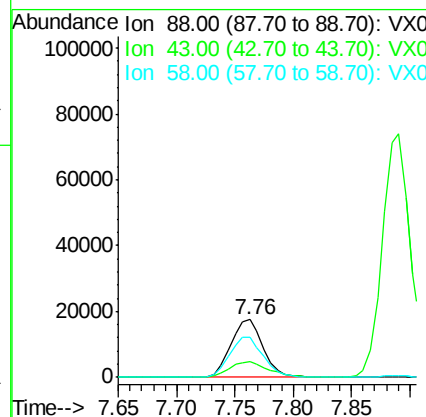
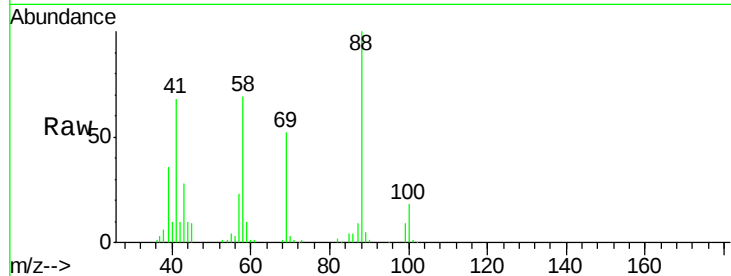
#49
1,4-Dioxane
Concen: 400.945 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	29.8	44.6
58	73.8	57.1	85.7

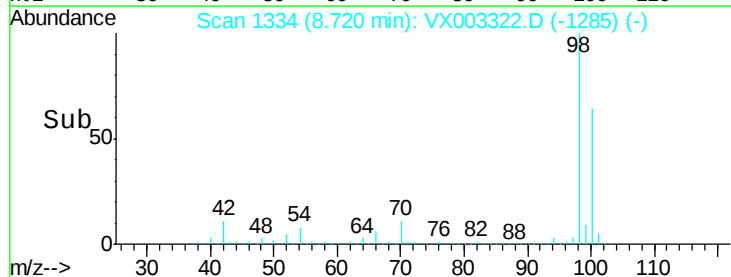
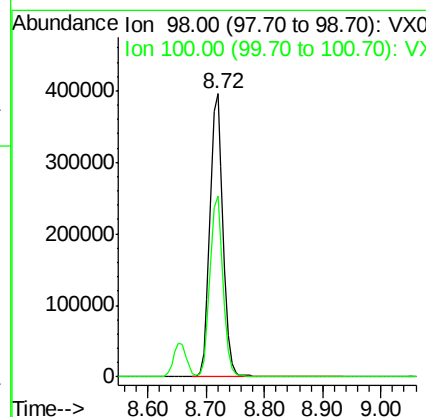
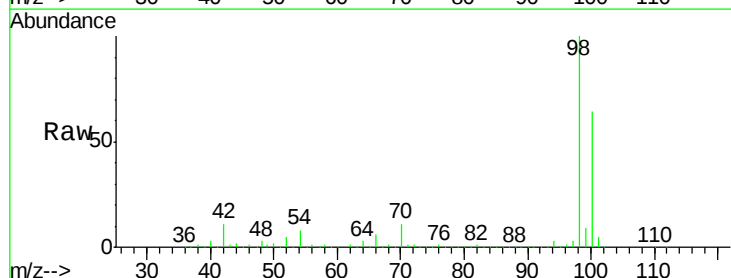
Manual Integrations
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#50
Toluene-d8
Concen: 50.502 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 100.482 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 43 Resp: 491565

Ion Ratio Lower Upper

43 100

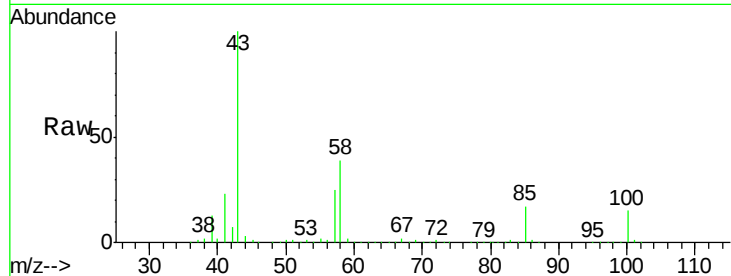
58 39.1 28.6 42.8

Manual Integrations

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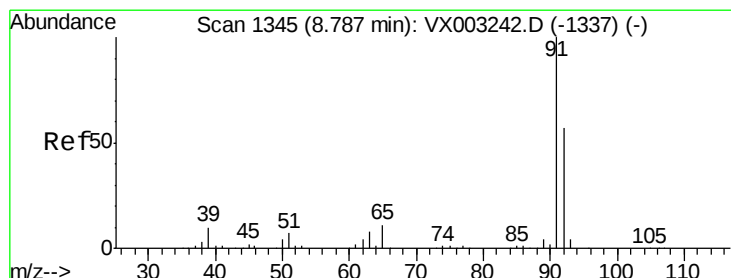
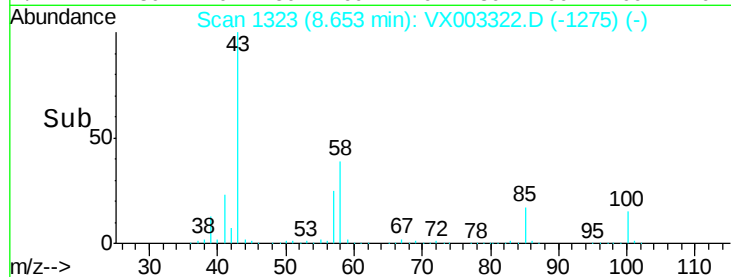
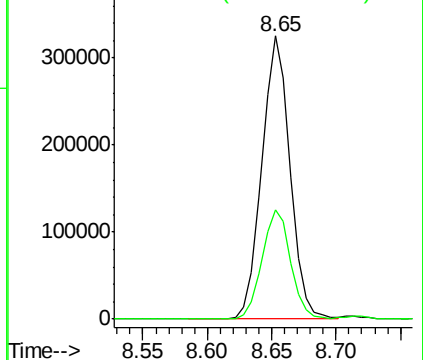
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.153 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003322.D

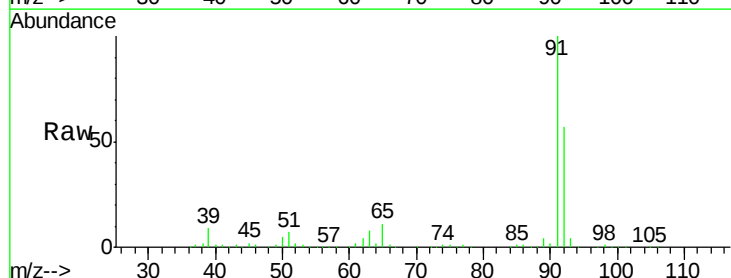
Acq: 11 Jul 2018 16:22

Tgt Ion: 92 Resp: 172330

Ion Ratio Lower Upper

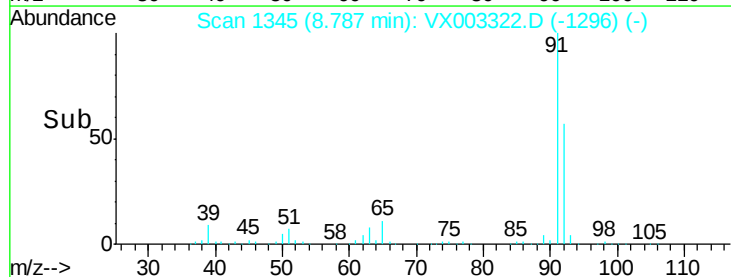
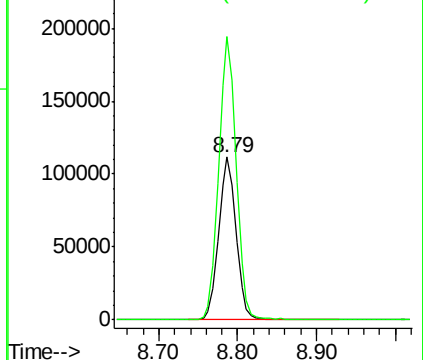
92 100

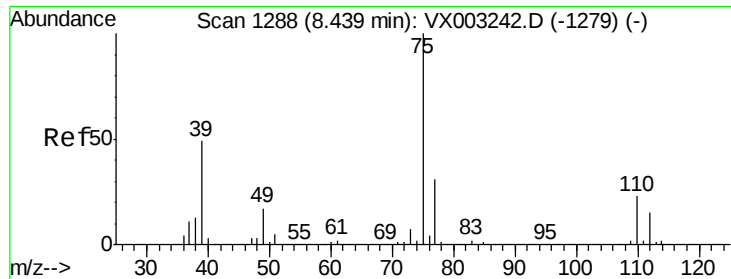
91 174.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





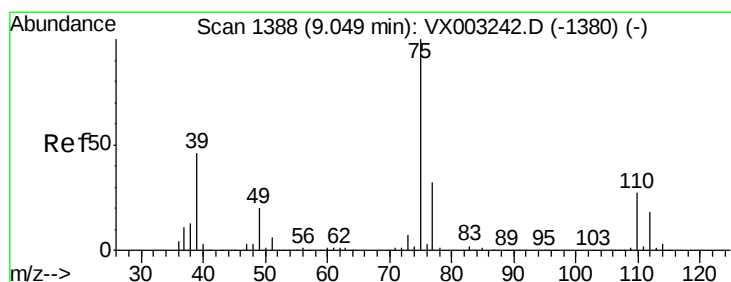
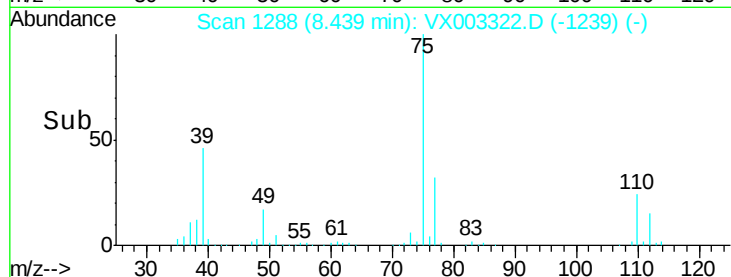
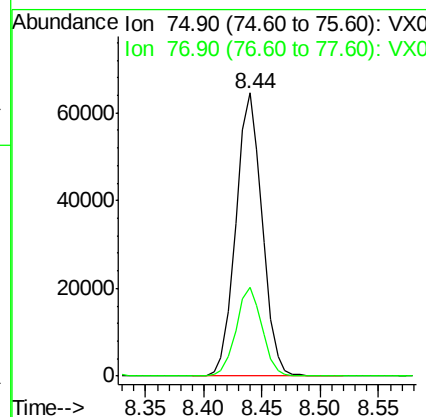
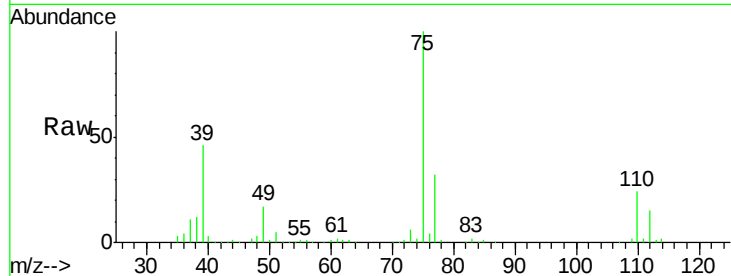
#53
t-1,3-Dichloropropene
Concen: 19.491 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion: 75 Resp: 101436
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

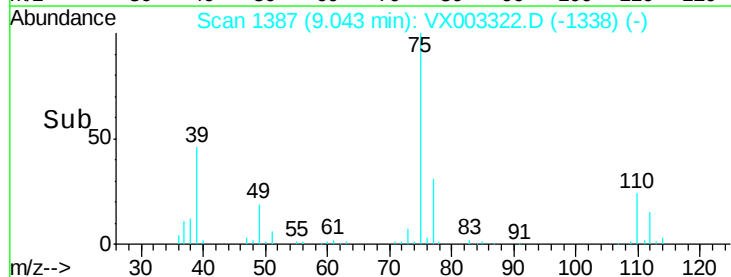
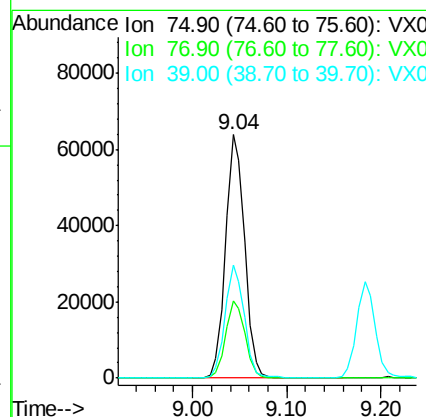
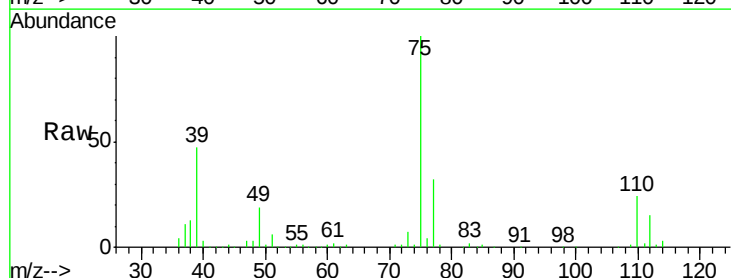
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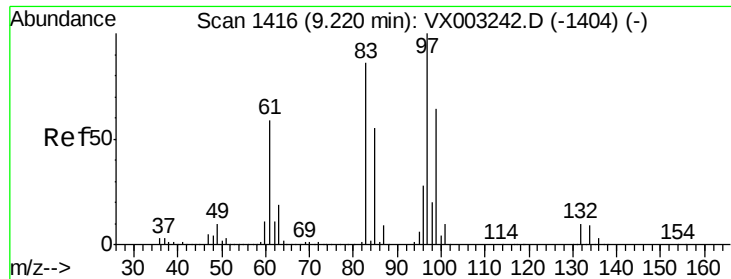
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#54
cis-1,3-Dichloropropene
Concen: 18.938 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion: 75 Resp: 89702
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2
39 46.4 42.4 63.6





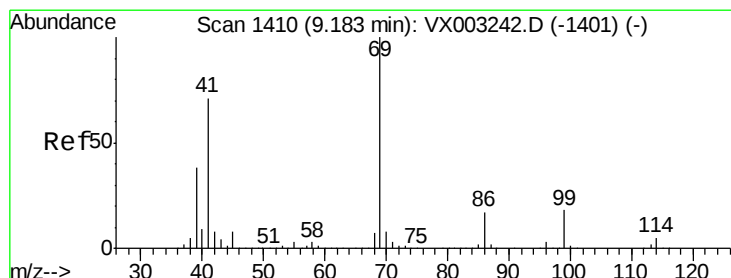
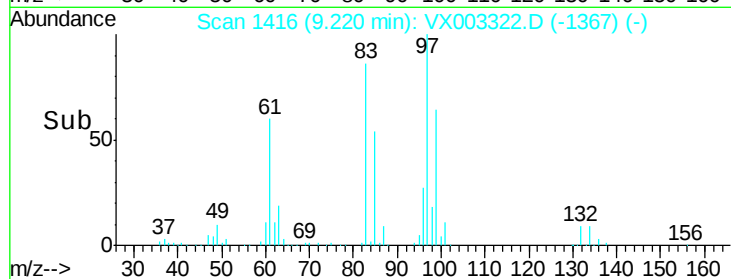
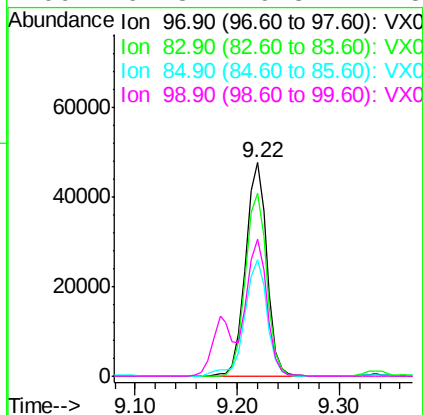
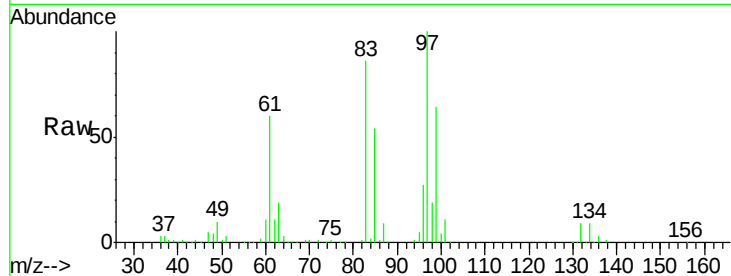
#55
 1,1,2-Trichloroethane
 Concen: 19.536 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.2	105.2
85	54.4	44.9	67.3
99	64.3	49.8	74.8

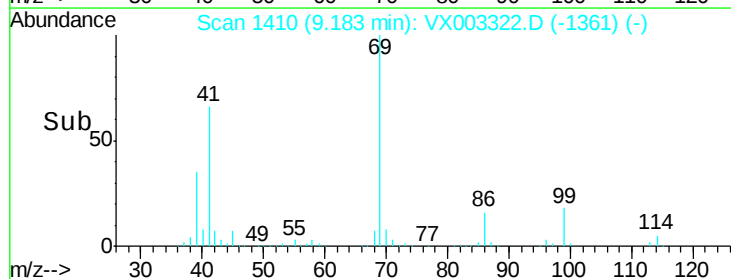
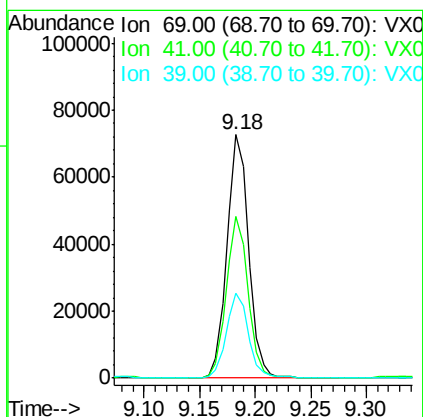
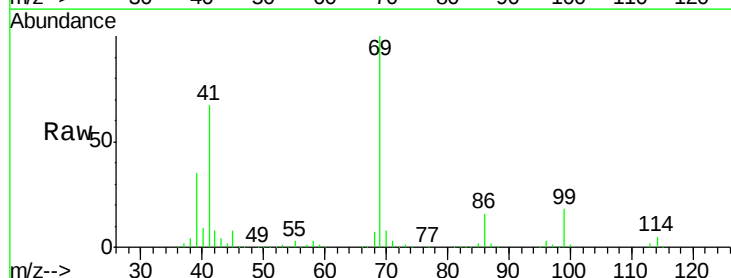
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 20.206 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.4	60.3	90.5
39	34.9	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 20.057 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 76 Resp: 114606

Ion Ratio Lower Upper

76 100

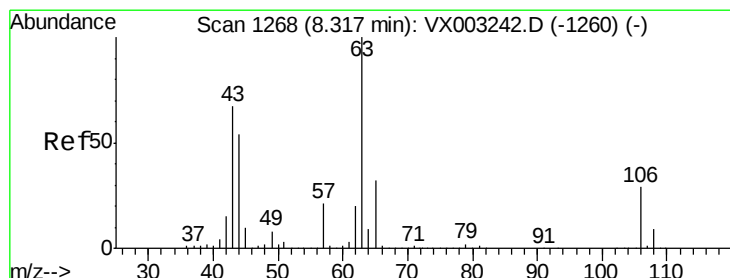
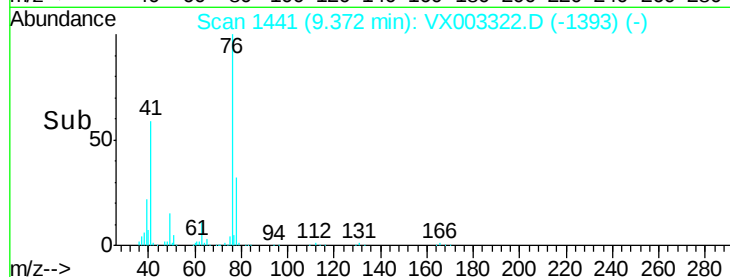
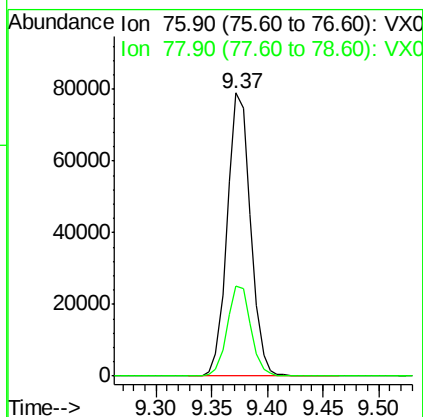
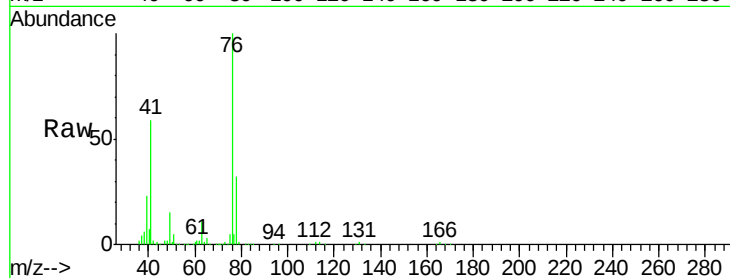
78 32.2 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 112.356 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003322.D

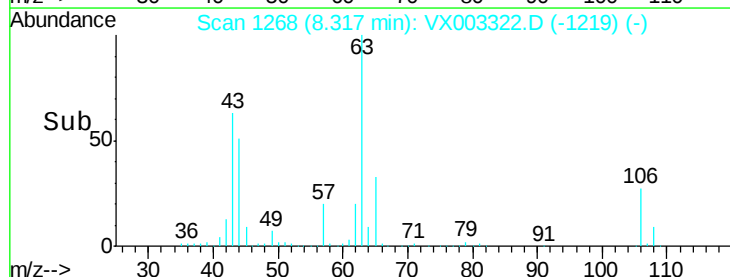
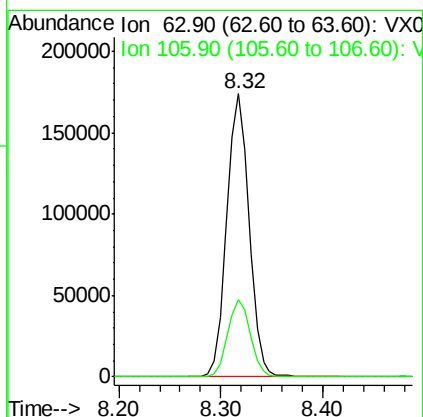
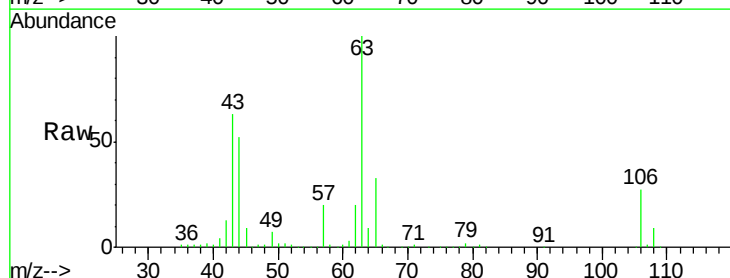
Acq: 11 Jul 2018 16:22

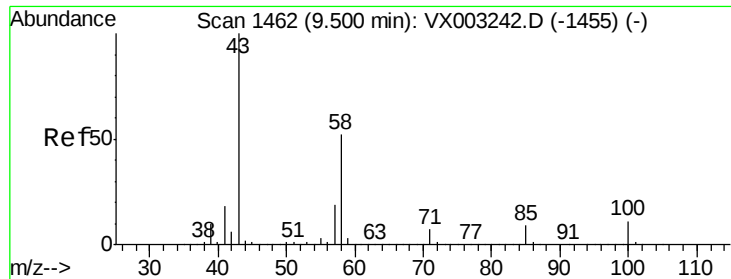
Tgt Ion: 63 Resp: 263335

Ion Ratio Lower Upper

63 100

106 27.5 21.8 32.8





#59

2-Hexanone

Concen: 101.736 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 43 Resp: 378022

Ion Ratio Lower Upper

43 100

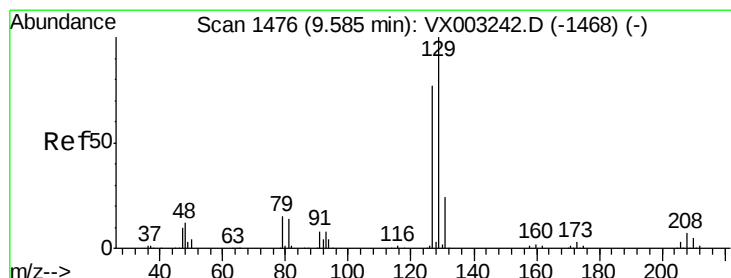
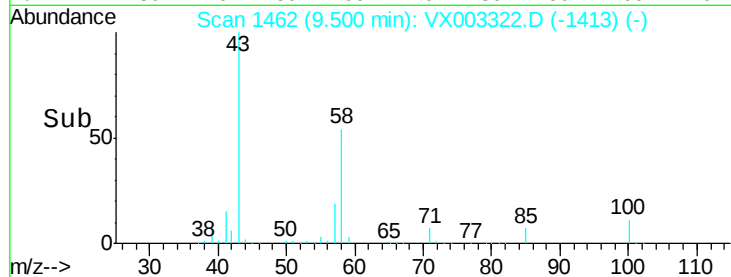
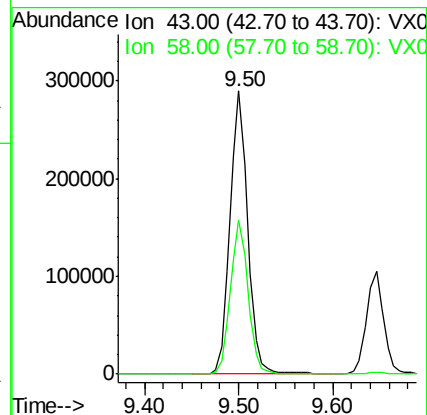
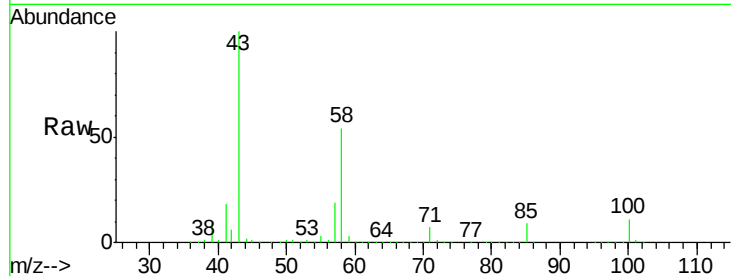
58 54.5 24.6 73.6

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#60

Dibromochloromethane

Concen: 17.918 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003322.D

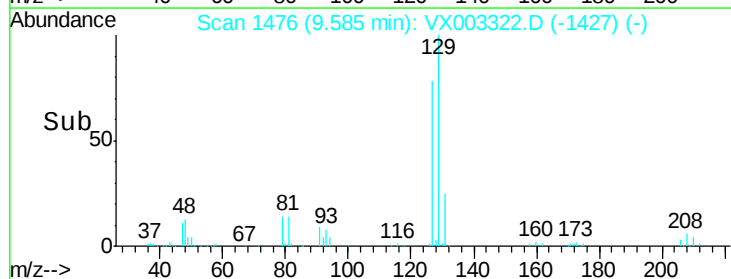
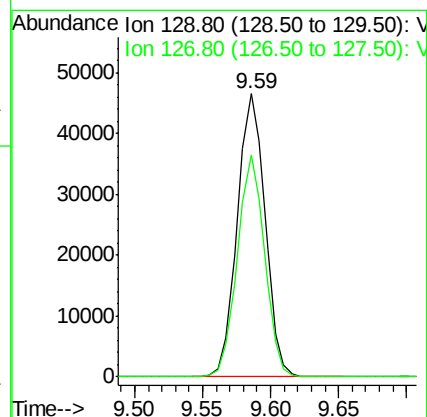
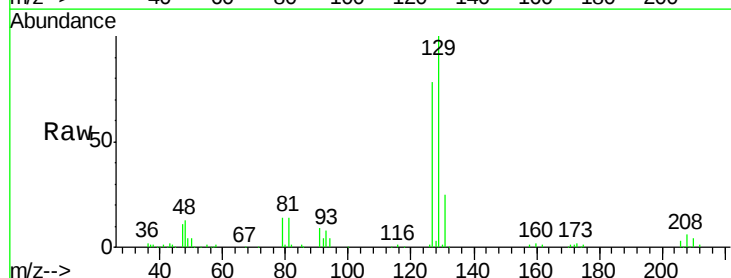
Acq: 11 Jul 2018 16:22

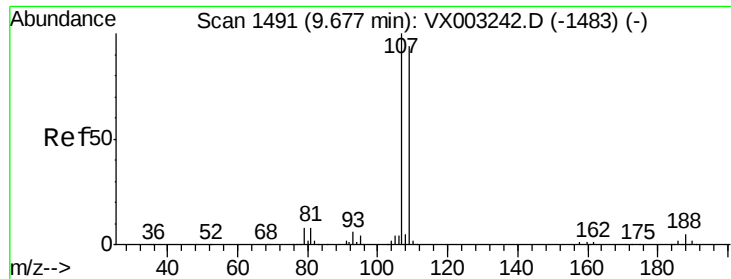
Tgt Ion:129 Resp: 66366

Ion Ratio Lower Upper

129 100

127 76.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.040 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:107 Resp: 70784

Ion Ratio Lower Upper

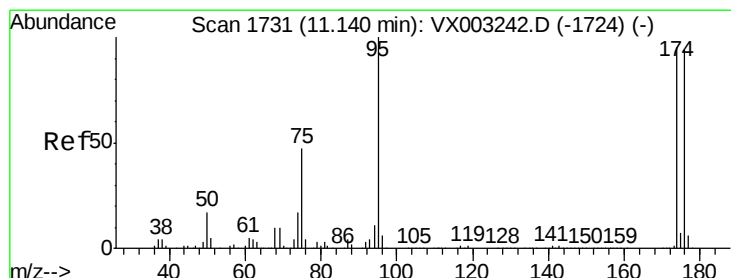
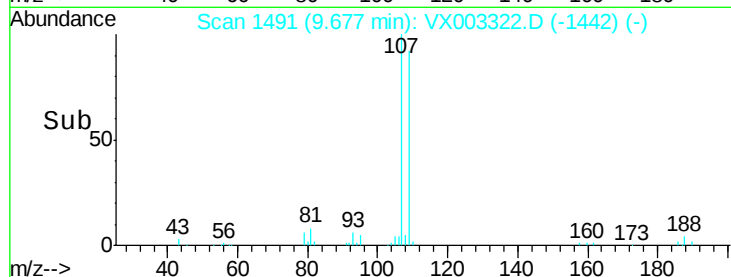
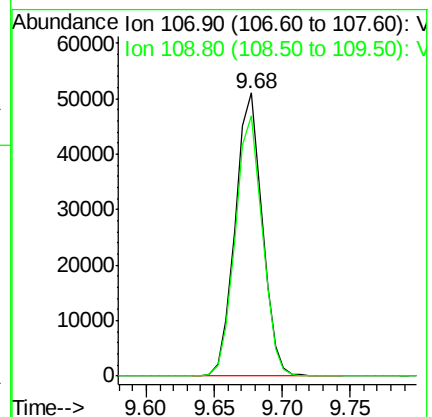
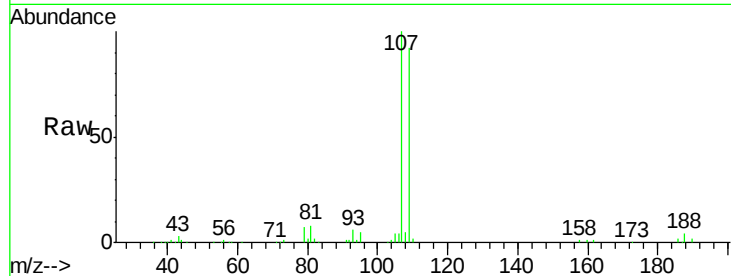
107 100

109 92.9 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 49.927 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

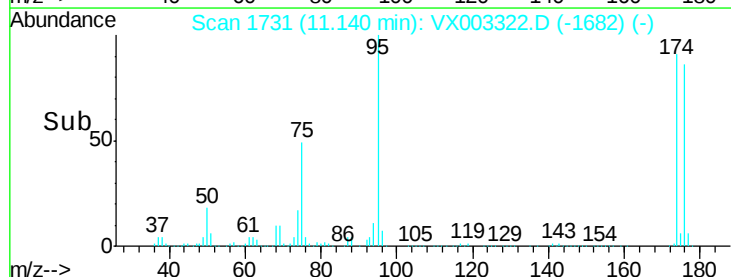
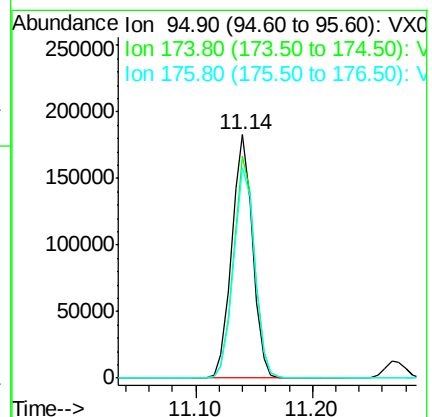
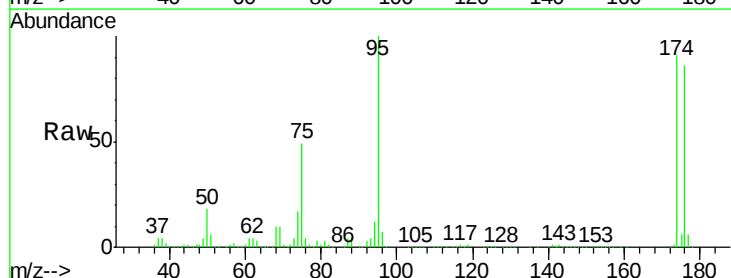
Tgt Ion: 95 Resp: 226999

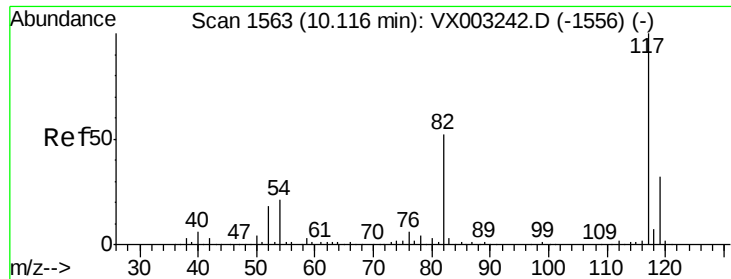
Ion Ratio Lower Upper

95 100

174 92.2 0.0 187.4

176 88.7 0.0 181.0





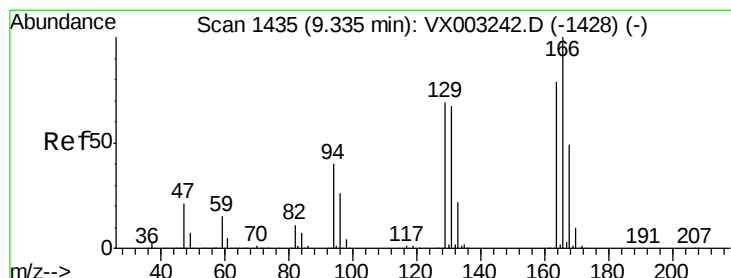
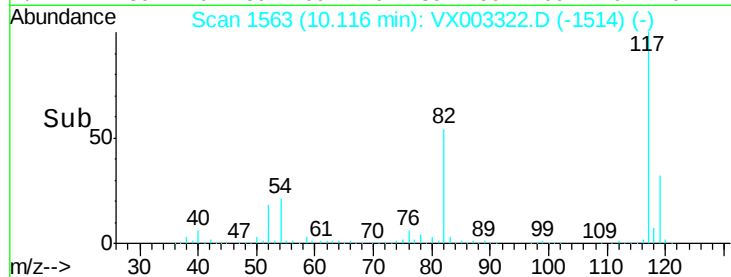
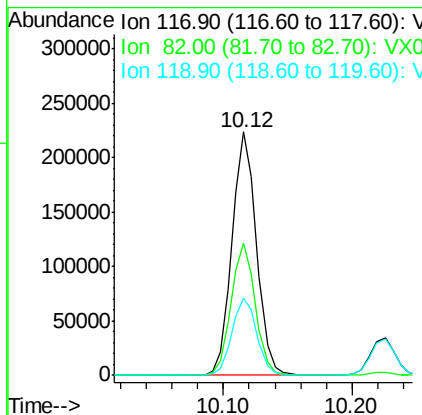
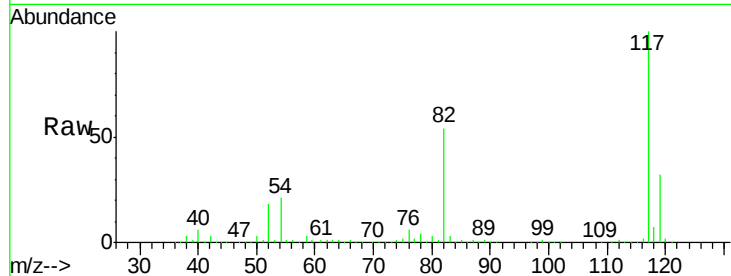
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.0	67.4
119	31.6	25.8	38.6

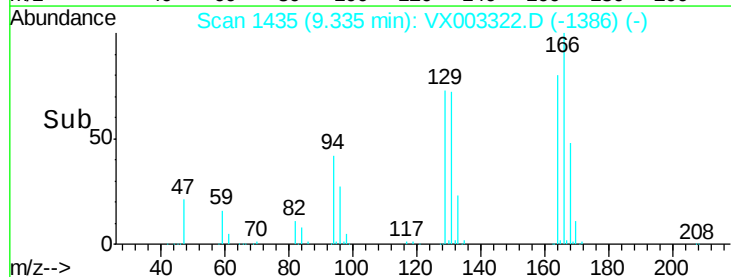
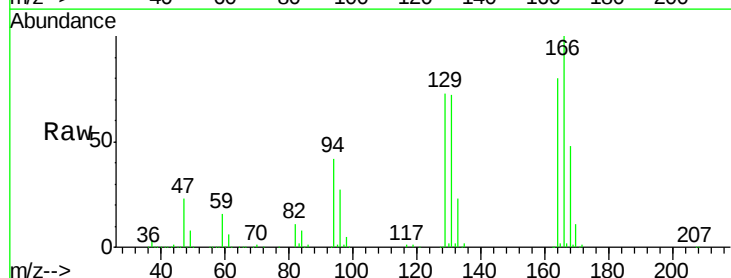
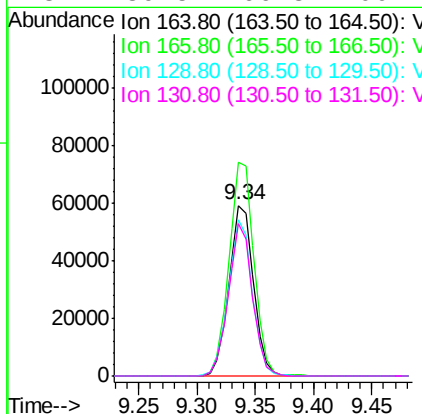
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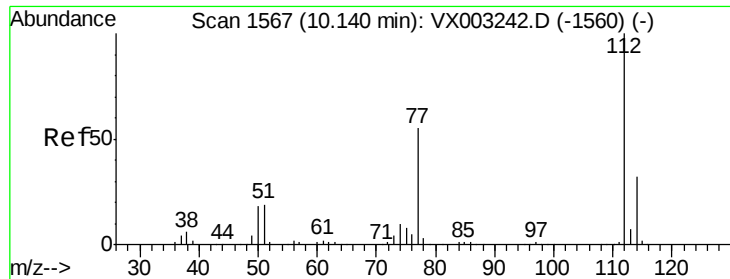
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#64
Tetrachloroethene
Concen: 19.322 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	102.9	154.3
129	91.5	68.6	102.8
131	89.5	66.8	100.2





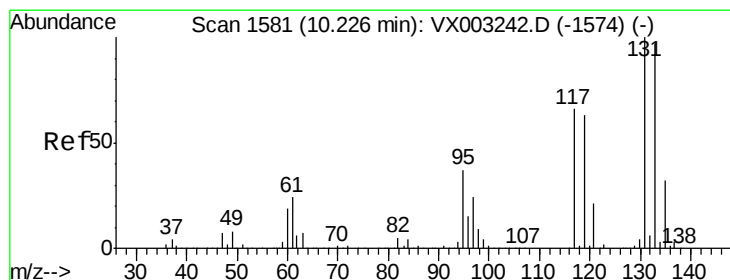
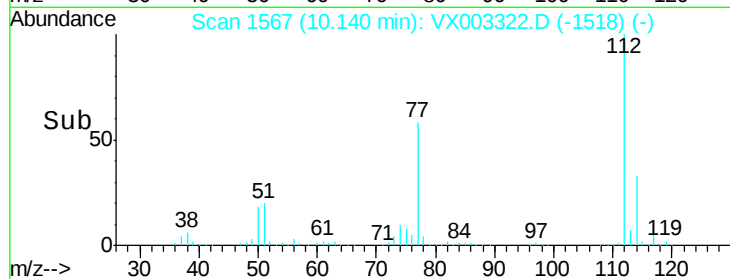
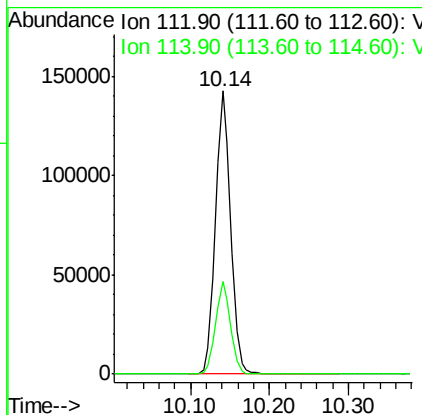
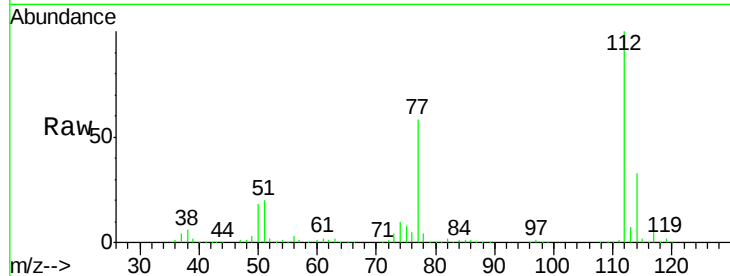
#65
Chlorobenzene
Concen: 19.024 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion:112 Resp: 192001
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

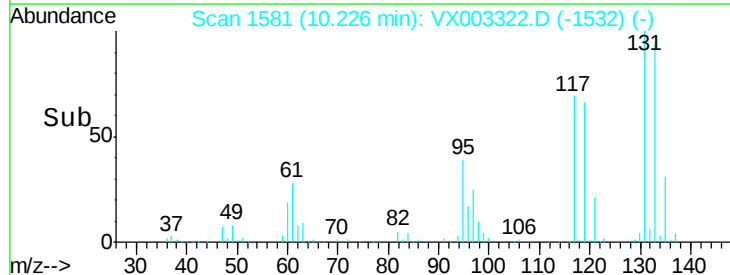
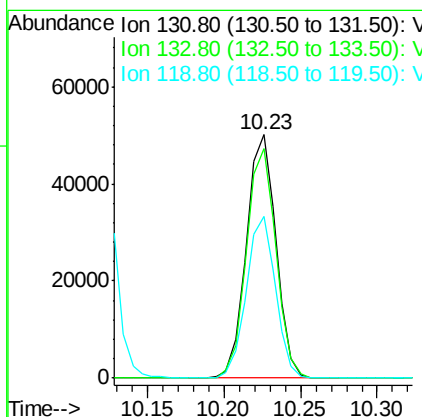
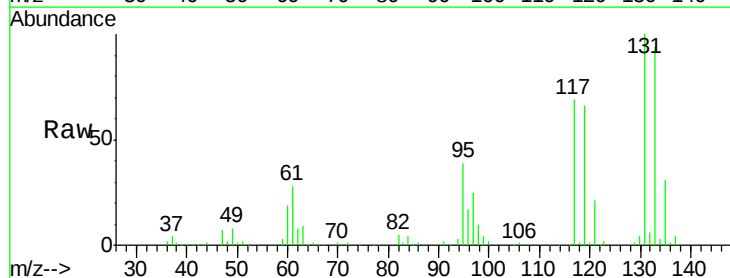
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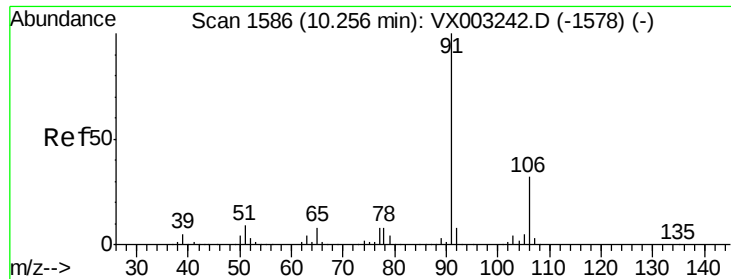
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.481 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion:131 Resp: 67296
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.6
119 65.6 31.8 95.3





#67

Ethyl Benzene

Concen: 19.986 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 91 Resp: 326191

Ion Ratio Lower Upper

91 100

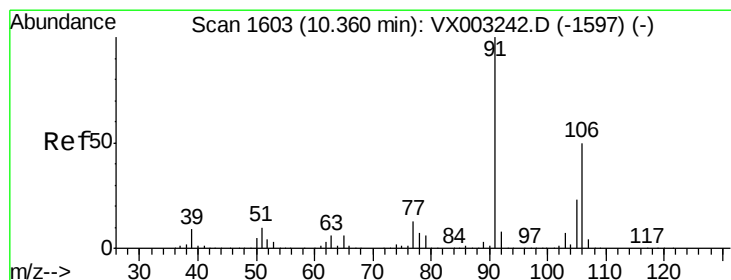
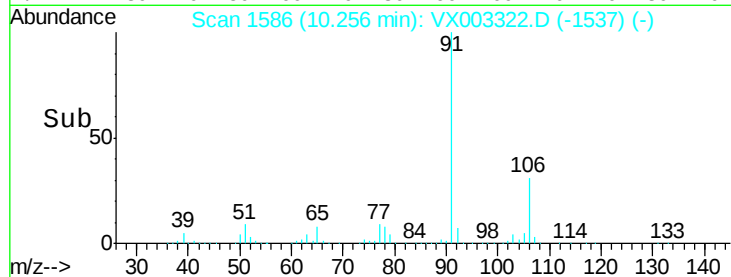
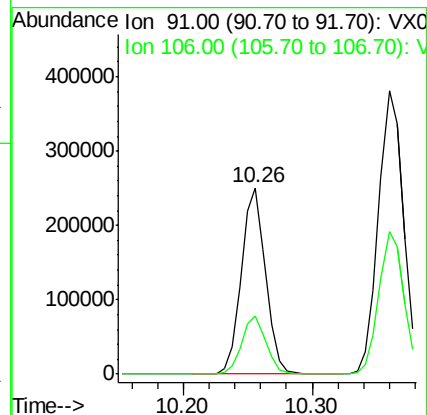
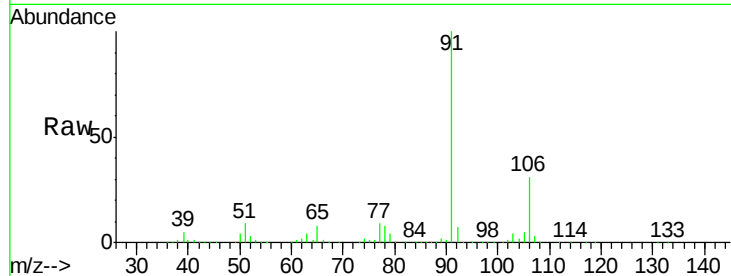
106 31.3 25.5 38.3

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#68

m/p-Xylenes

Concen: 40.096 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003322.D

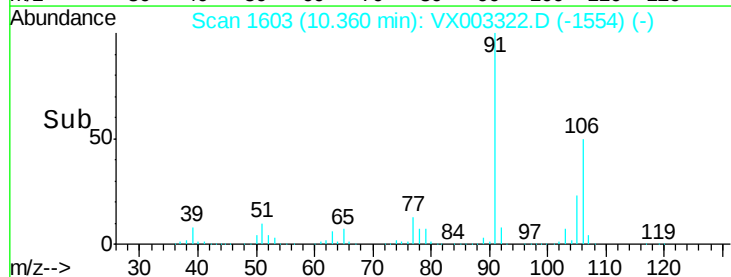
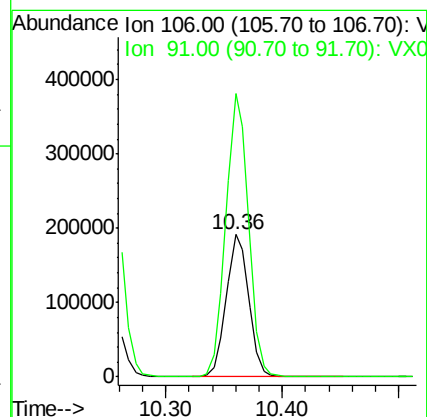
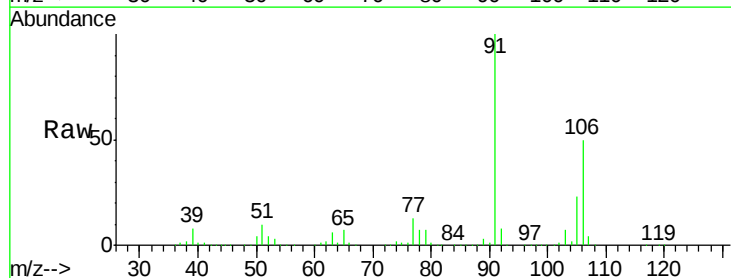
Acq: 11 Jul 2018 16:22

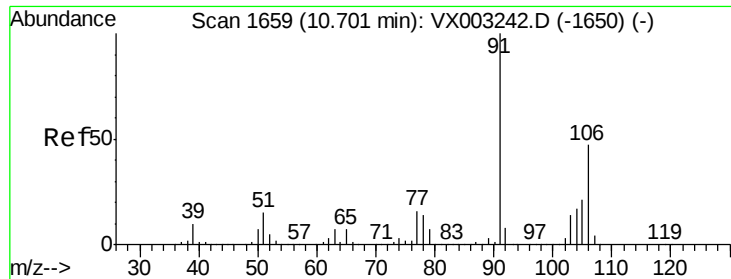
Tgt Ion: 106 Resp: 254581

Ion Ratio Lower Upper

106 100

91 199.9 163.4 245.2





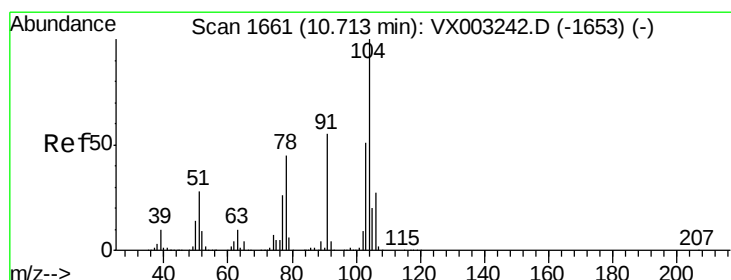
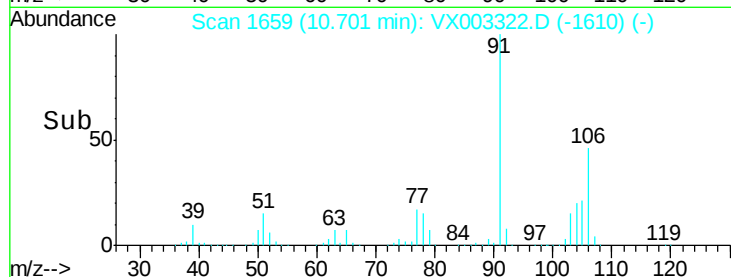
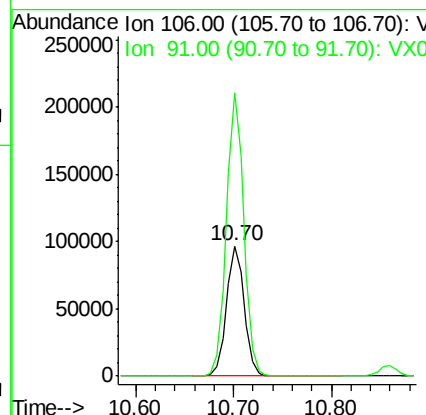
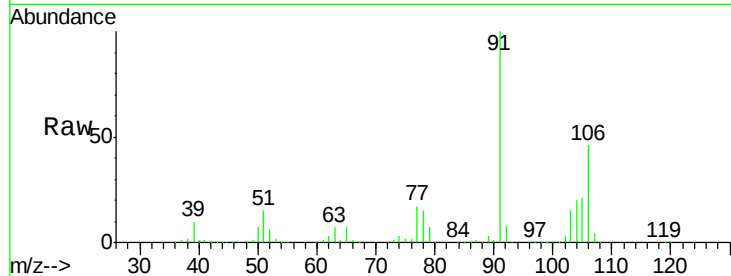
#69
o-Xylene
Concen: 19.678 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion:106 Resp: 121042
Ion Ratio Lower Upper
106 100
91 215.0 108.2 324.6

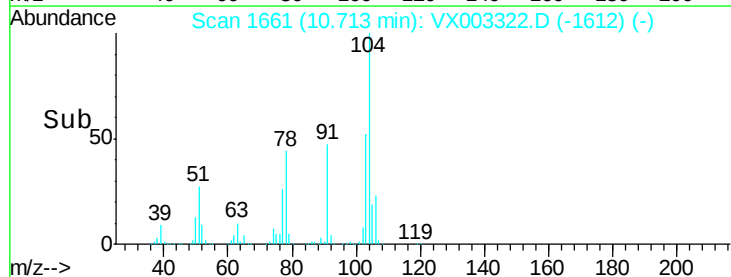
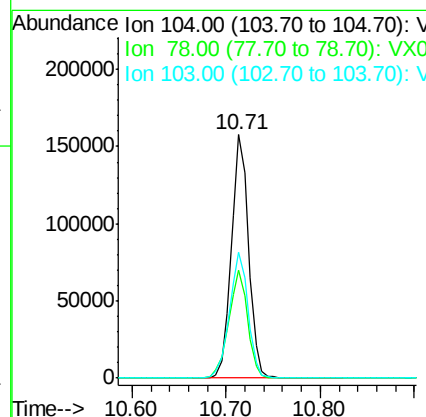
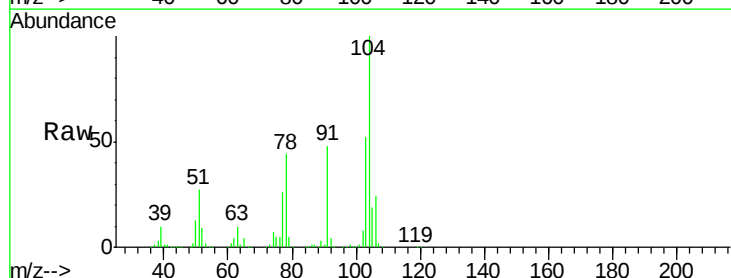
Manual Integrations
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#70
Styrene
Concen: 20.075 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion:104 Resp: 200236
Ion Ratio Lower Upper
104 100
78 48.6 41.0 61.6
103 56.1 44.2 66.4





#71

Bromoform

Concen: 16.670 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:173 Resp: 49943

Ion Ratio Lower Upper

173 100

175 48.8 24.7 74.1

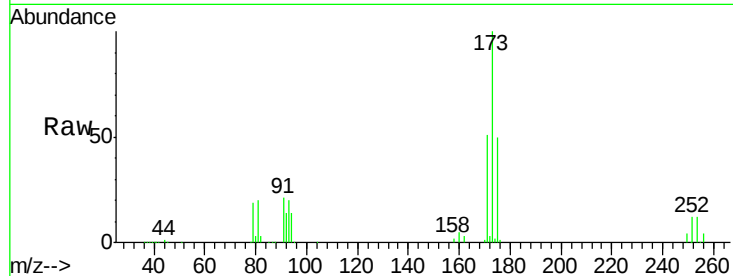
254 0.1 0.2 0.2#

Manual Integrations

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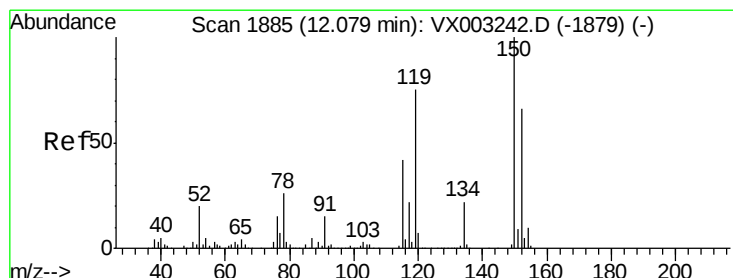
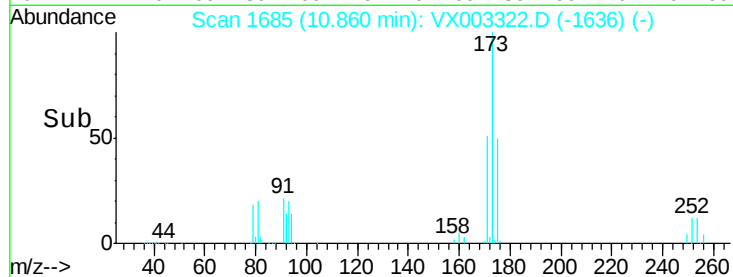
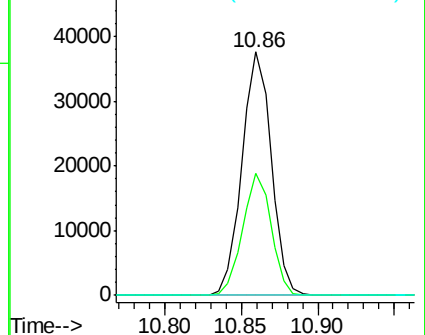
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

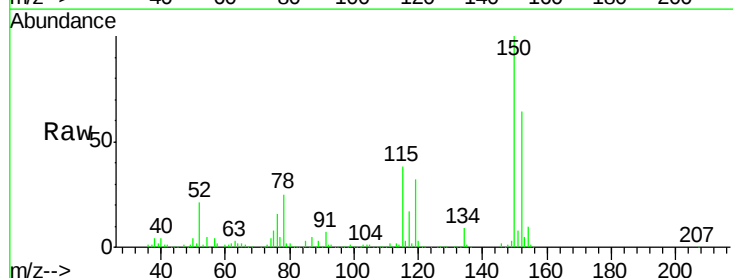
Tgt Ion:152 Resp: 201696

Ion Ratio Lower Upper

152 100

115 66.6 40.1 120.2

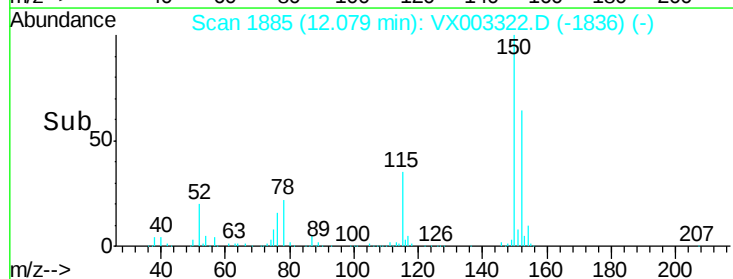
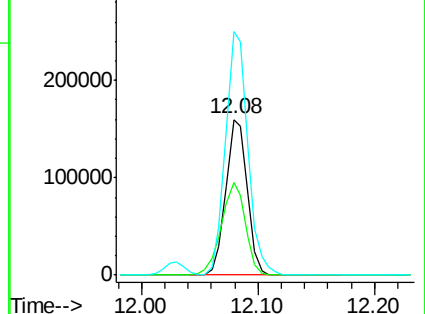
150 164.4 0.0 347.2

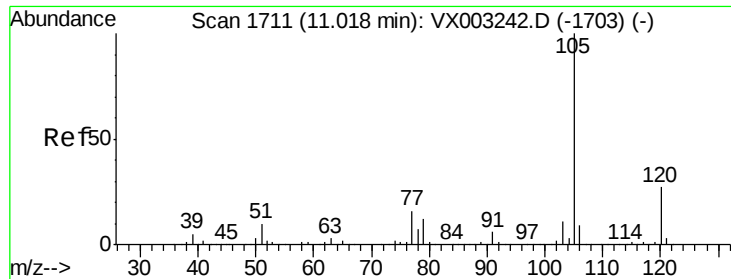


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.690 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 105 Resp: 329488

Ion Ratio Lower Upper

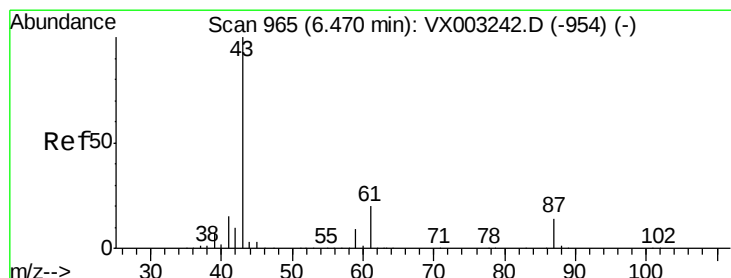
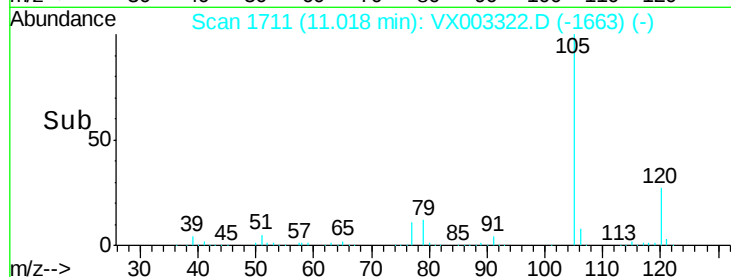
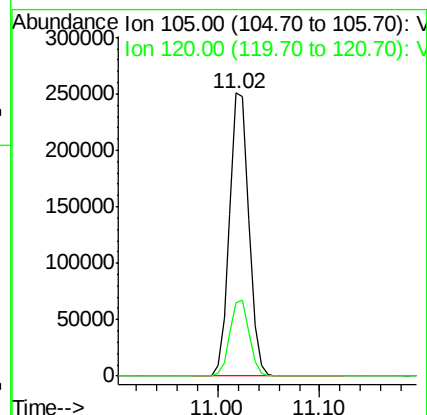
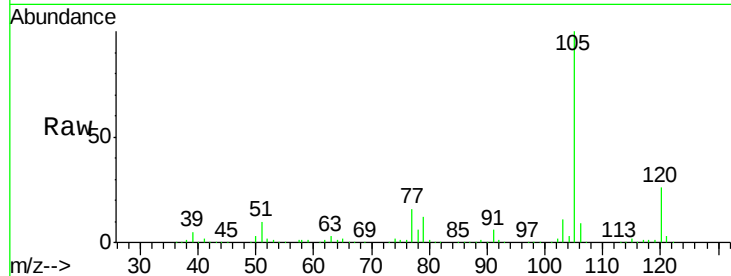
105 100

120 26.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.599 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Tgt Ion: 43 Resp: 148889

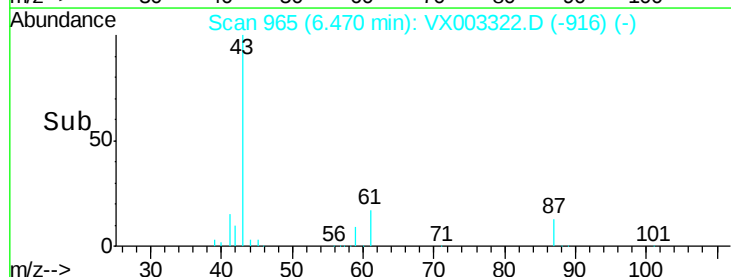
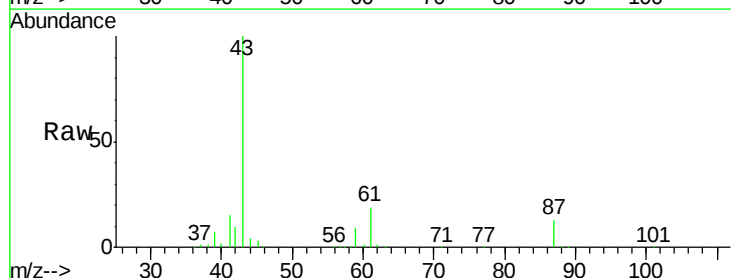
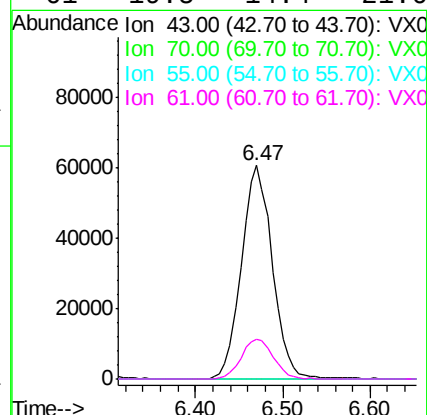
Ion Ratio Lower Upper

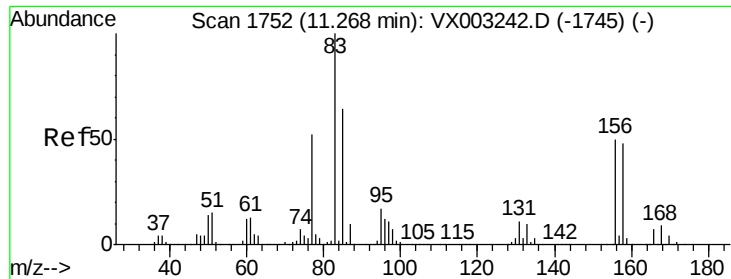
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.617 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

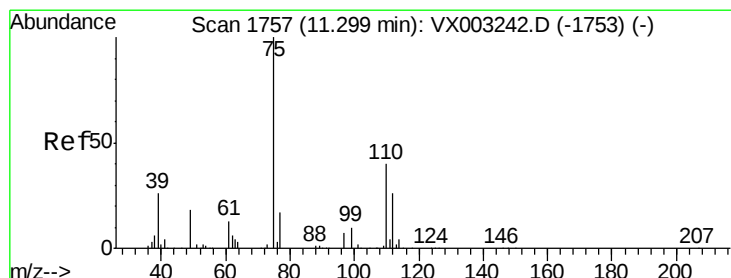
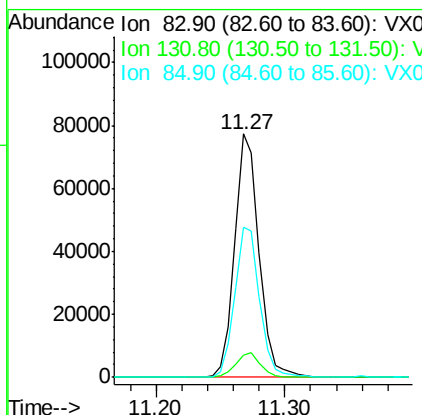
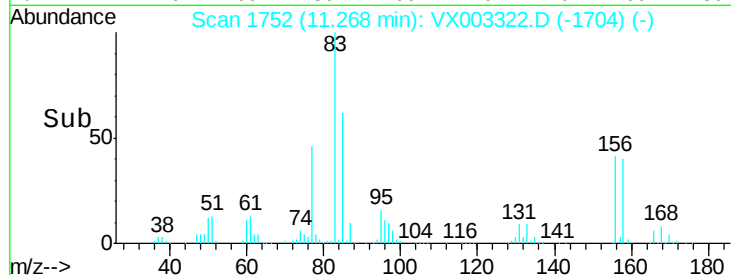
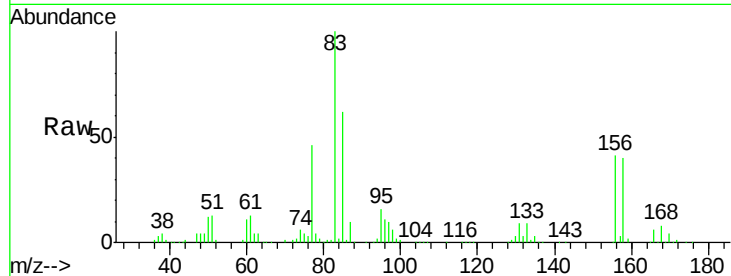
ClientSampleId :

VX0711WBS01

Tot Ion:	83	Resp:	101837
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.6	16.8
85	63.3	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.620 ug/l m

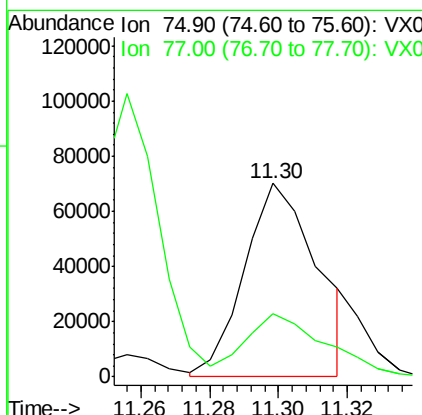
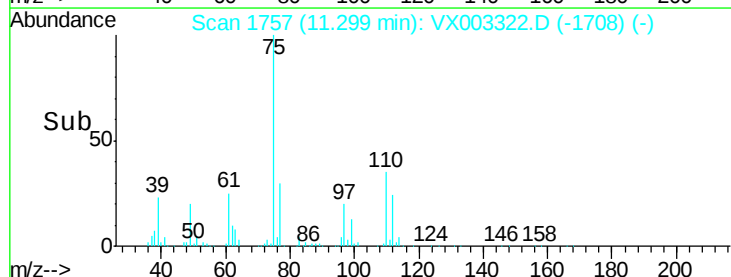
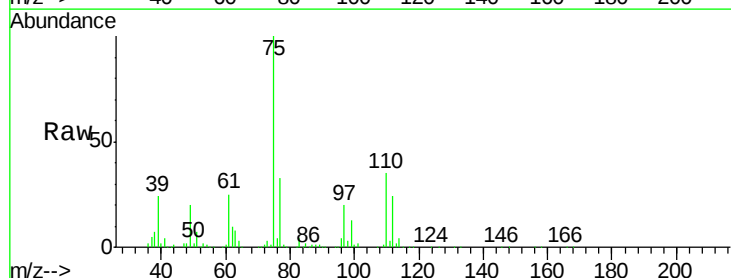
RT: 11.30 min Scan# 1757

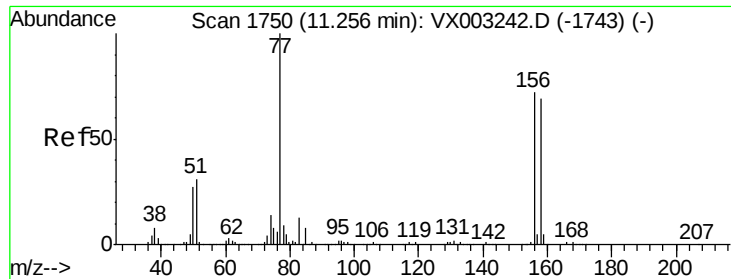
Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Tgt Ion:	75	Resp:	102958
Ion Ratio	Lower	Upper	
75	100		
77	36.1	22.8	68.3





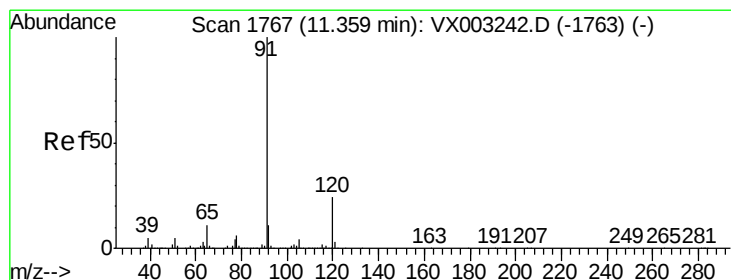
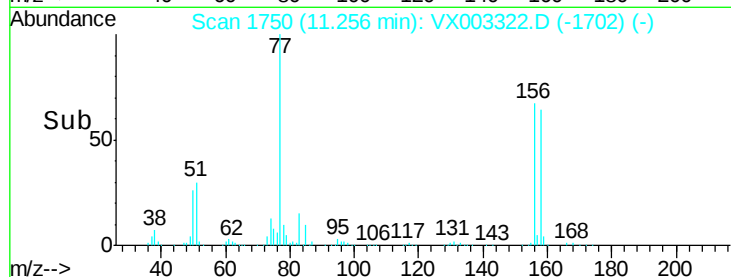
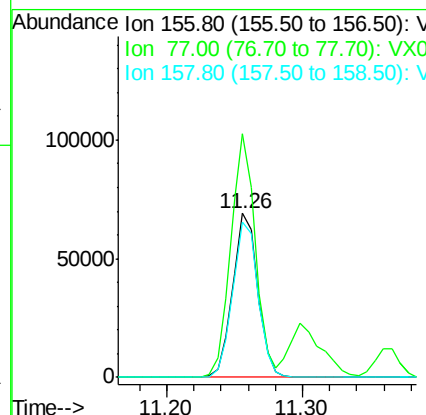
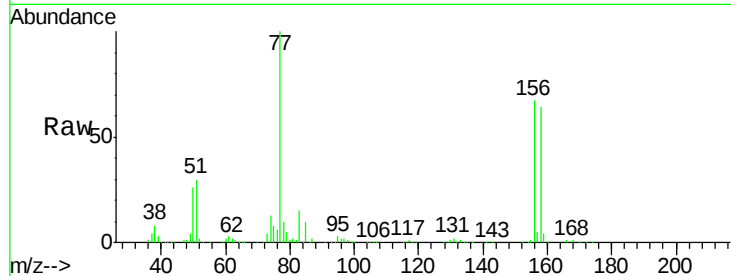
#77
Bromobenzene
Concen: 19.185 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.2	71.4	214.2
158	96.9	48.9	146.6

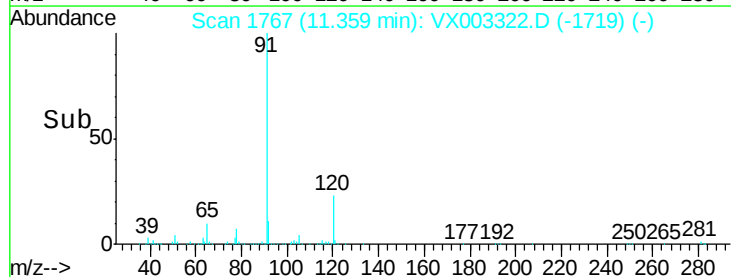
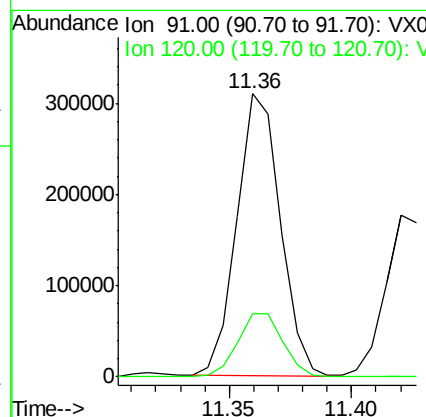
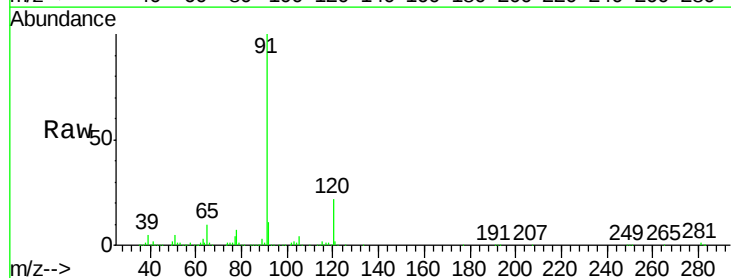
Manual Integrations
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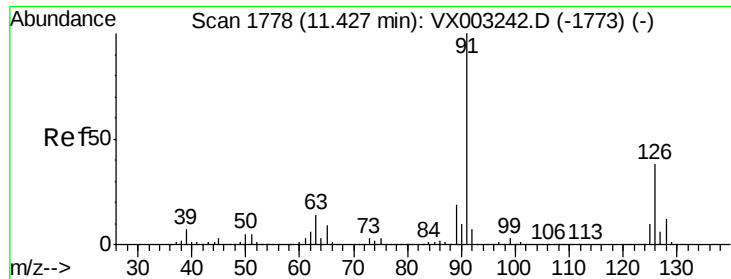
MMDadoda
7/12/2018 10:59:26 AM



#78
n-propylbenzene
Concen: 21.583 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.4





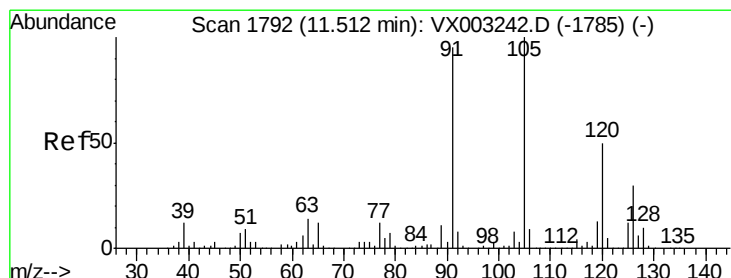
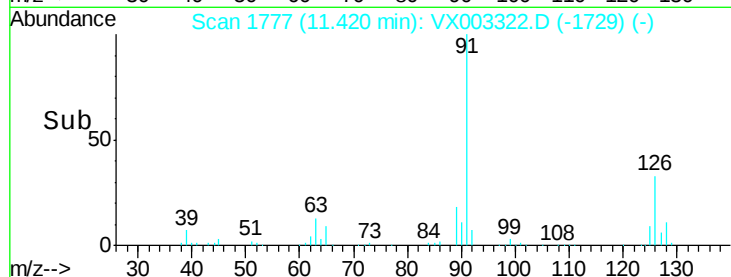
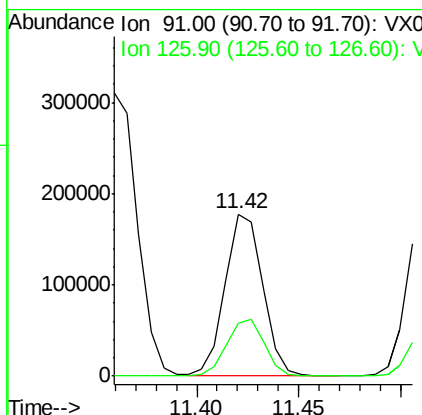
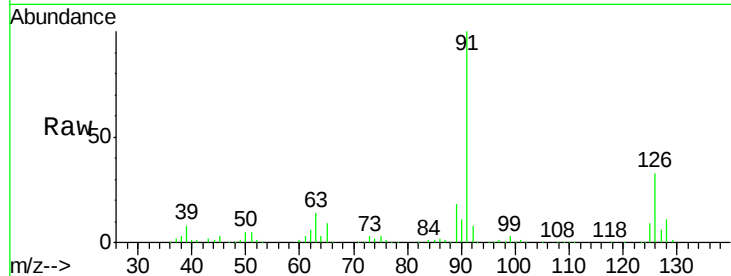
#79
 2-Chlorotoluene
 Concen: 20.954 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion: 91 Resp: 226025
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.7 53.1

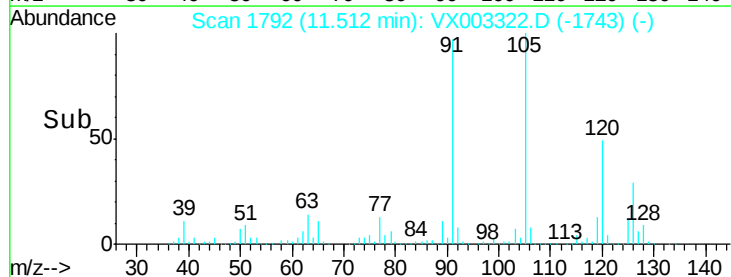
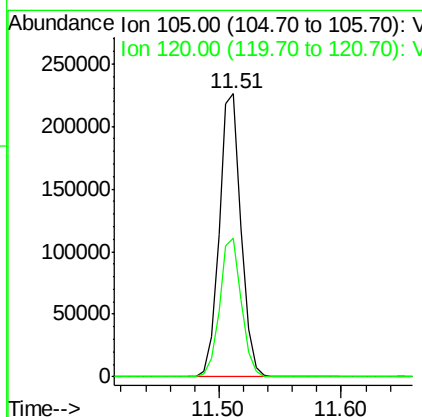
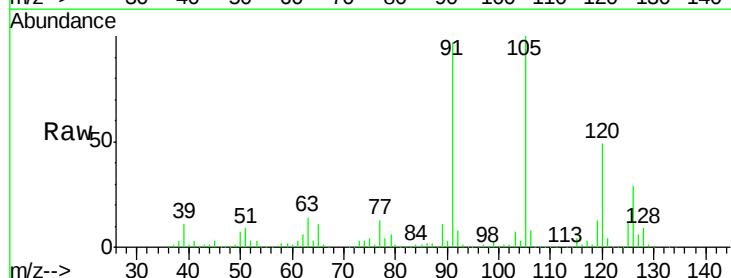
Manual Integrations
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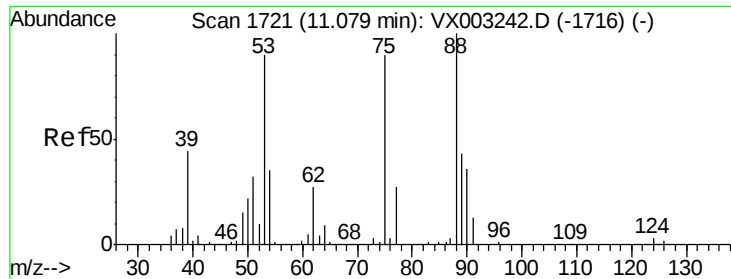
MMDadoda
 7/12/2018 10:59:26 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.028 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Tgt Ion: 105 Resp: 278840
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.4





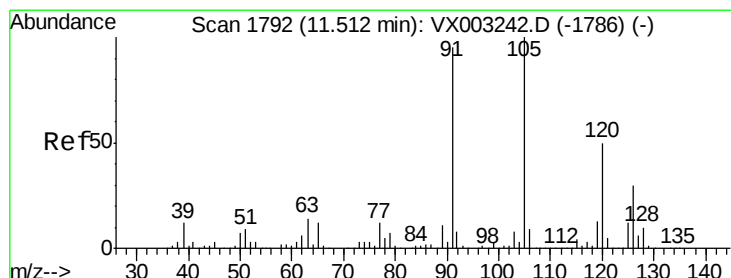
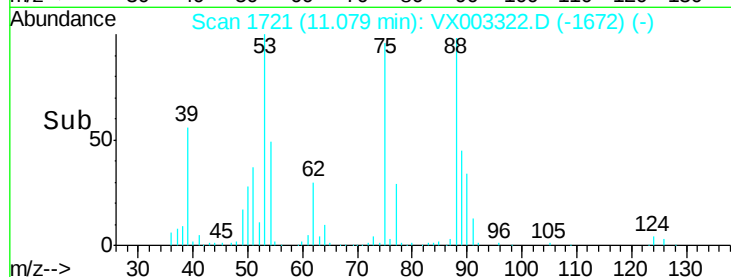
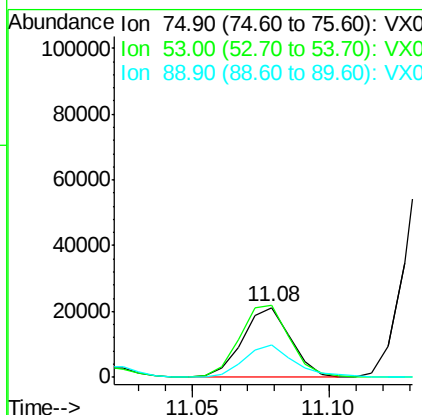
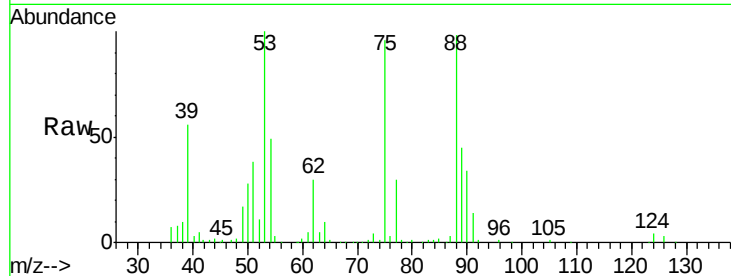
#81
trans-1,4-Dichloro-2-butene
Concen: 19.150 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.6	86.8	130.2
89	51.1	38.2	57.2

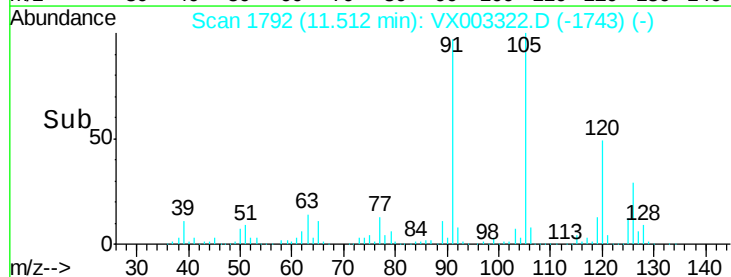
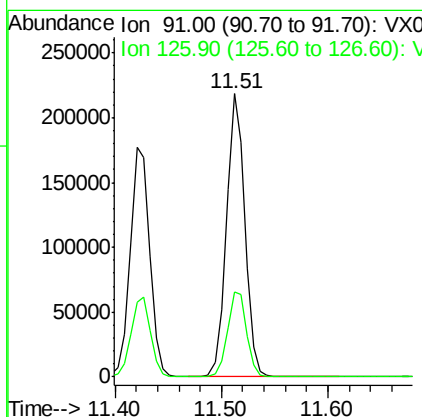
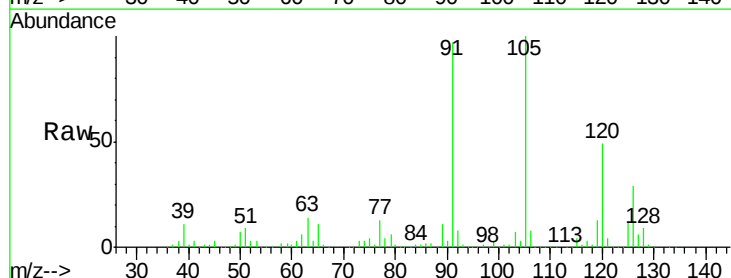
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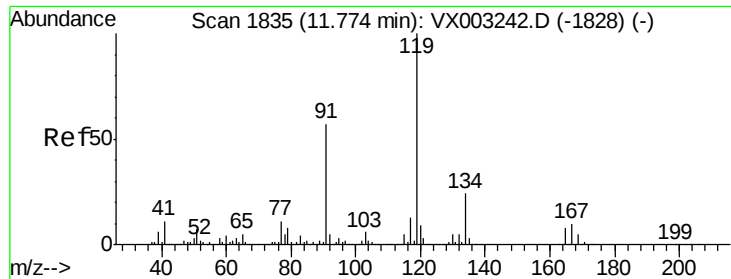
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#82
4-Chlorotoluene
Concen: 21.003 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.4	46.4





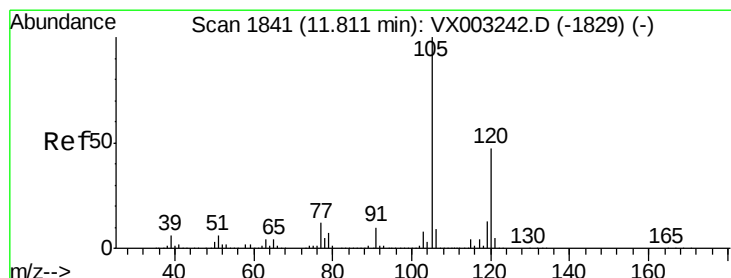
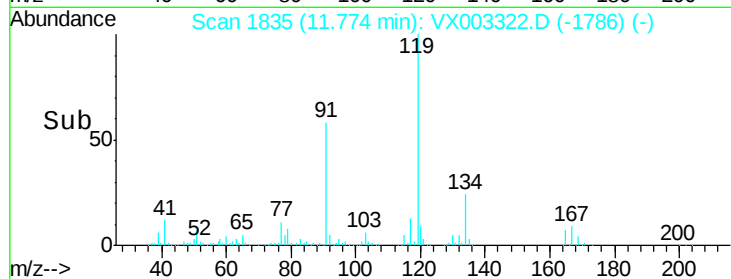
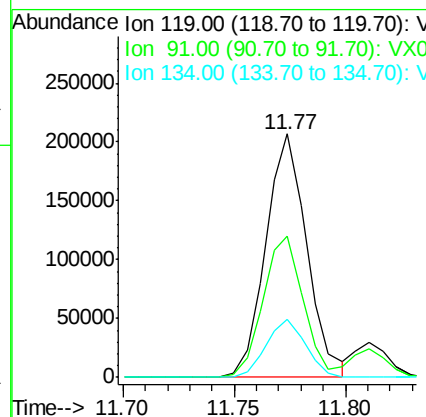
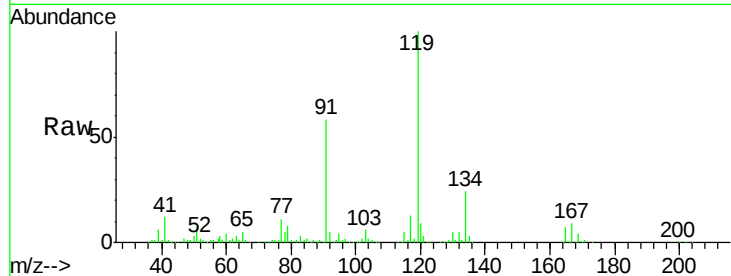
#83
tert-Butylbenzene
Concen: 19.977 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.9	30.3	90.9
134	23.4	11.7	35.1

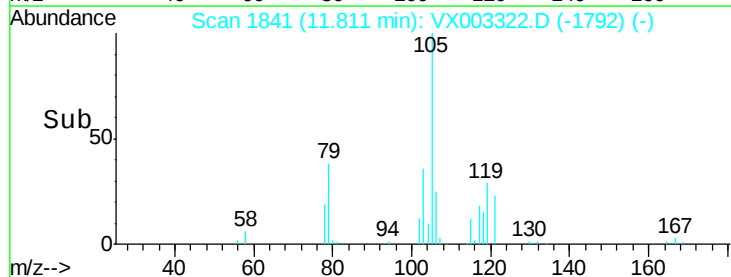
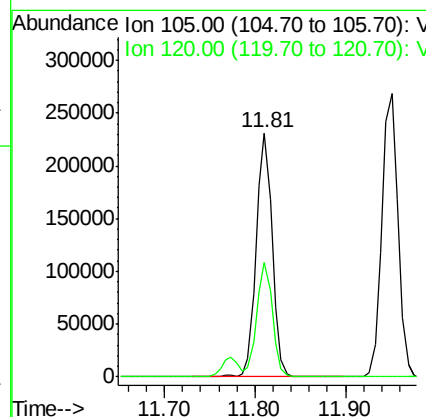
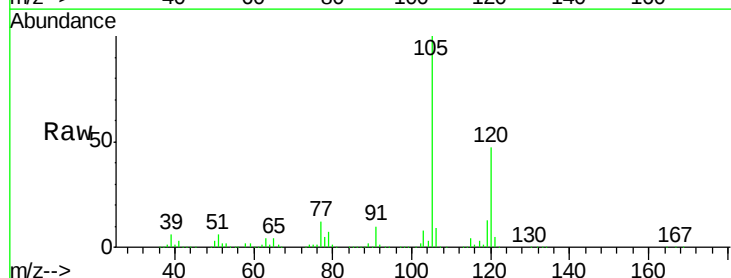
Manual Integrations
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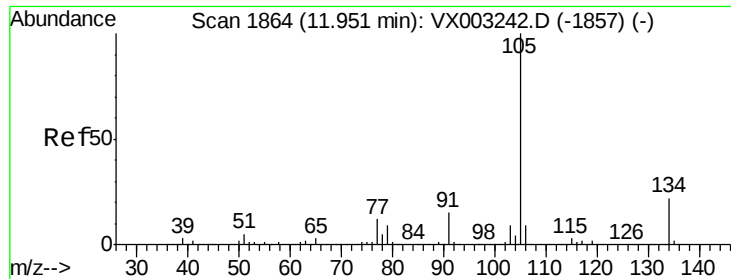
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#84
1,2,4-Trimethylbenzene
Concen: 20.828 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.8





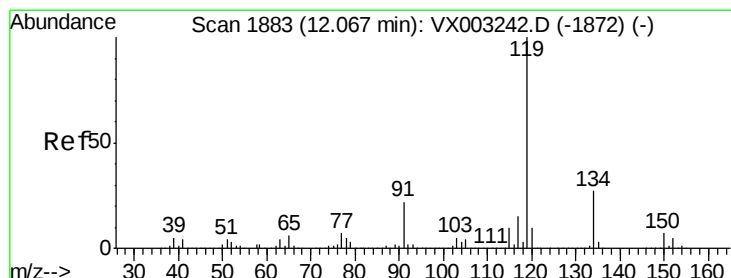
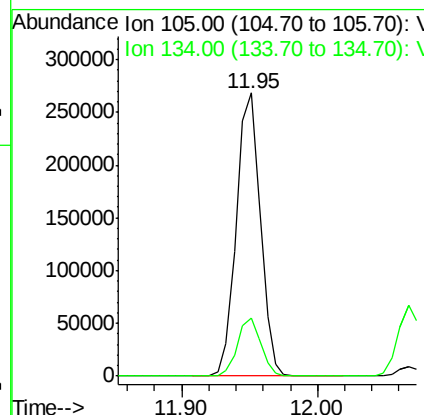
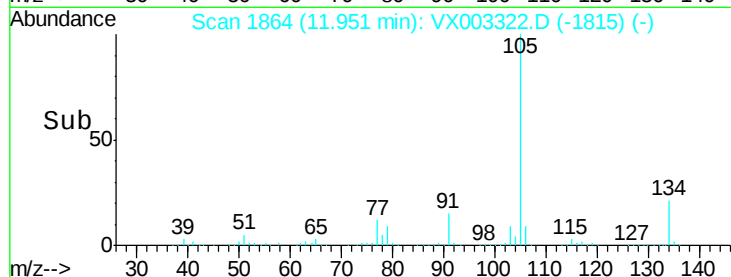
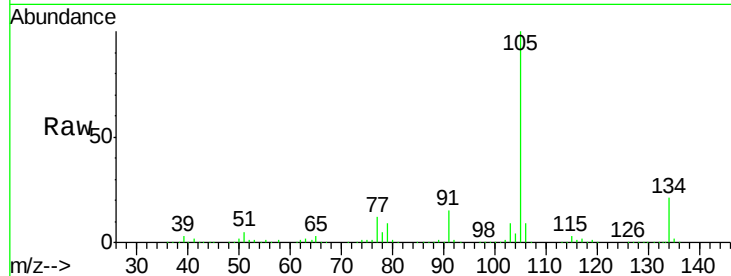
#85
 sec-Butylbenzene
 Concen: 21.087 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion:105 Resp: 330129
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.4 31.1

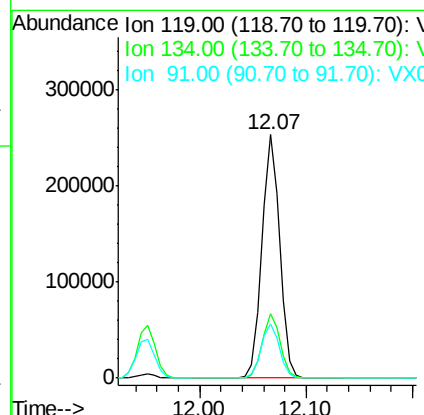
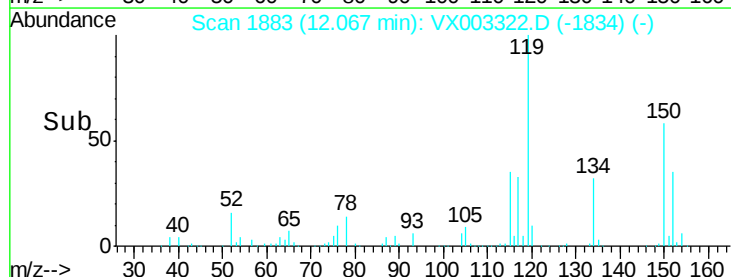
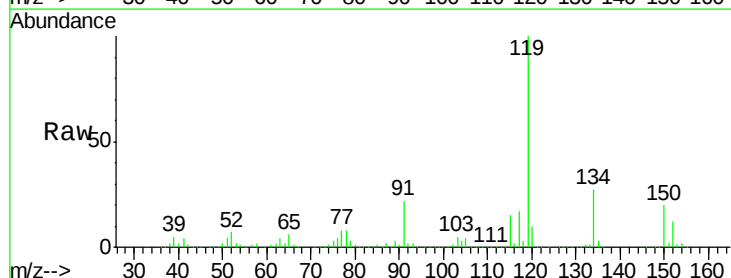
Manual Integrations
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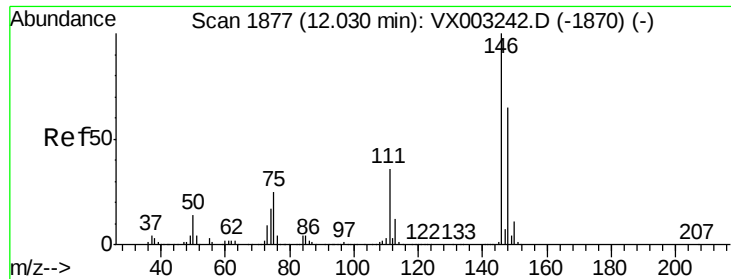
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#86
 p-Isopropyltoluene
 Concen: 20.836 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Tgt Ion:119 Resp: 297200
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 23.0 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.337 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:146 Resp: 163093

Ion Ratio Lower Upper

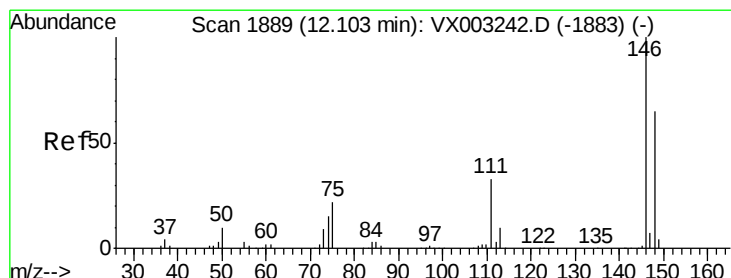
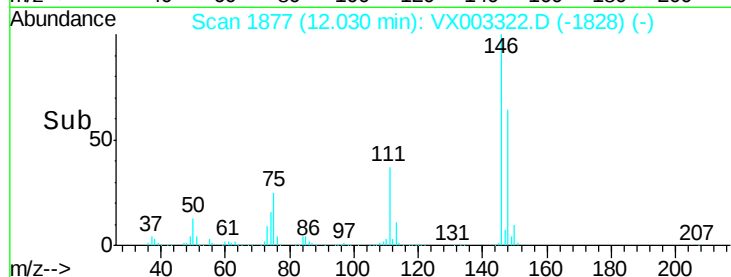
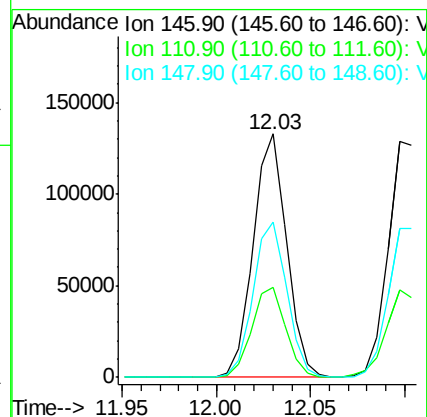
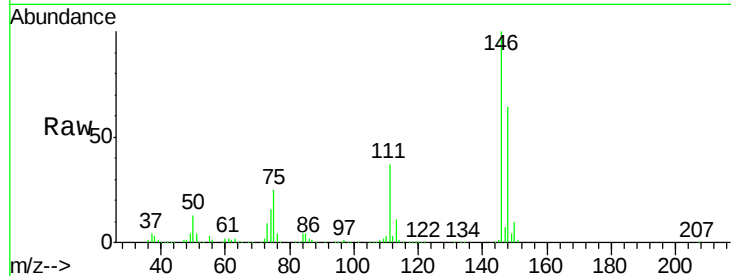
146 100

111 37.8 18.9 56.7

148 64.7 32.1 96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.273 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VX003322.D

Acq: 11 Jul 2018 16:22

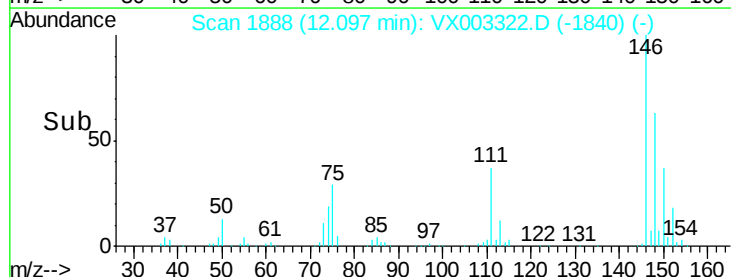
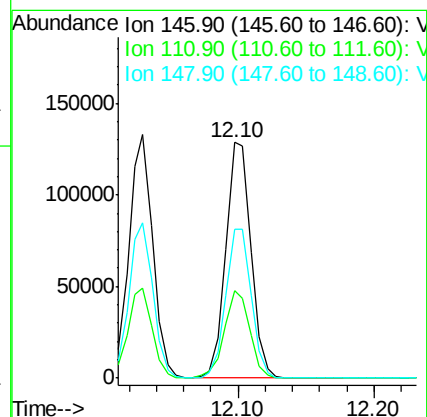
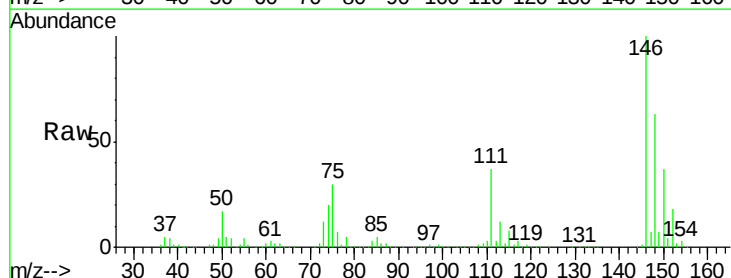
Tgt Ion:146 Resp: 164566

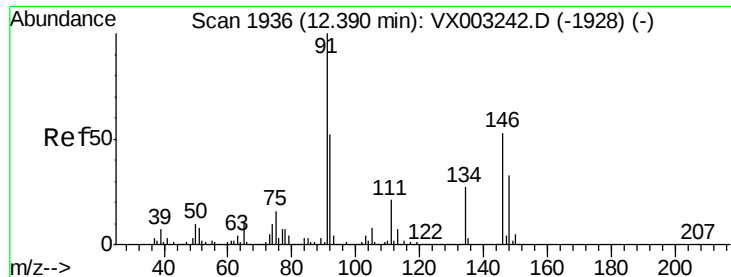
Ion Ratio Lower Upper

146 100

111 37.6 18.7 56.1

148 64.3 32.4 97.0





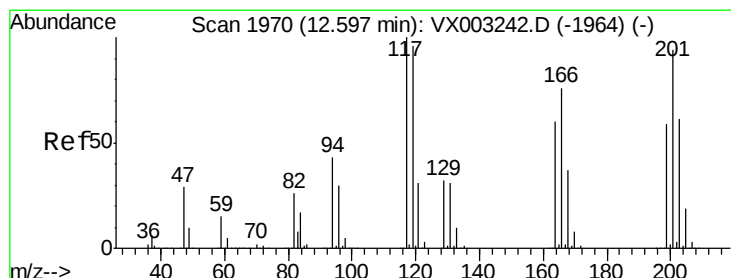
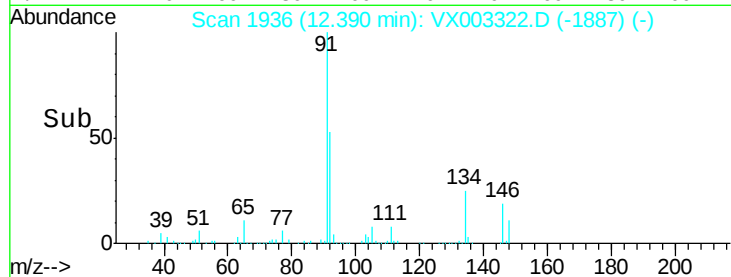
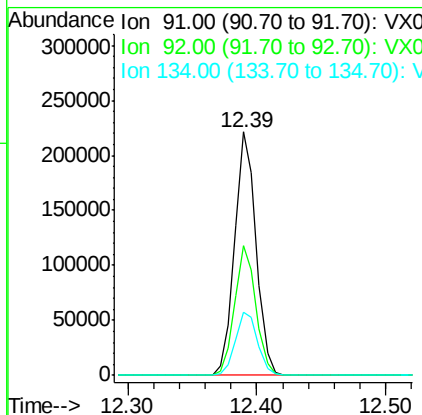
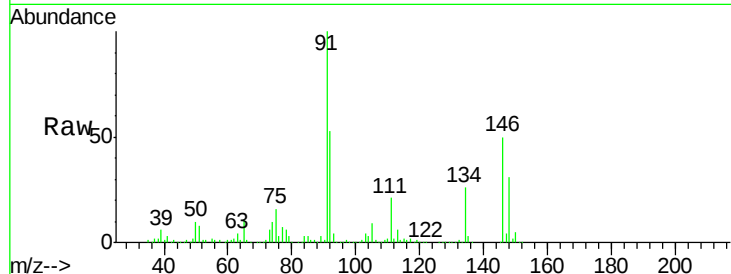
#89
n-Butylbenzene
Concen: 21.649 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	26.7	13.5	40.5

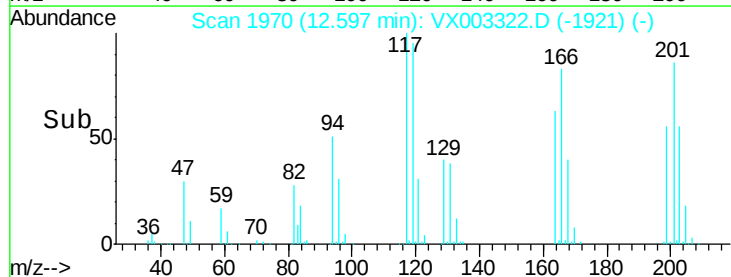
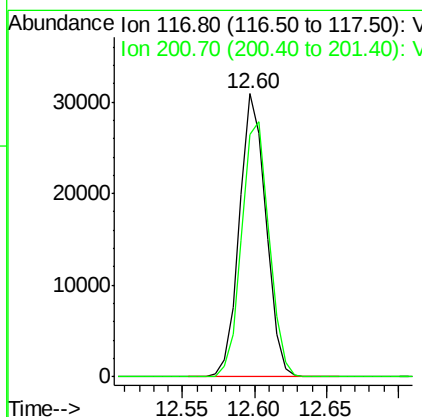
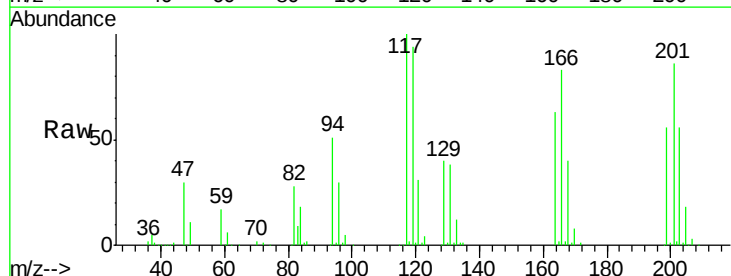
Manual Integrations
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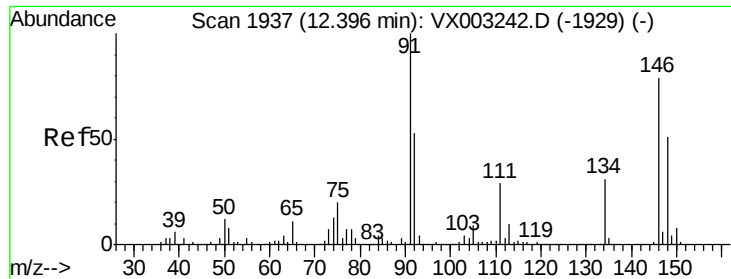
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#90
Hexachloroethane
Concen: 18.140 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	49.0	147.0





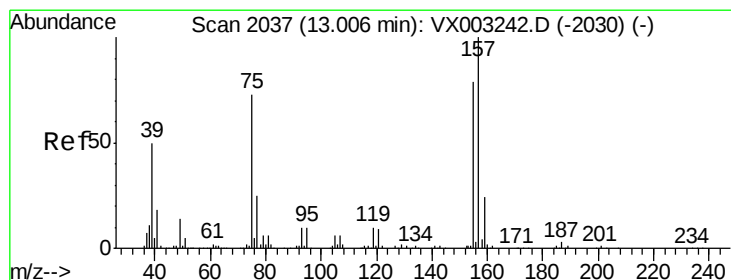
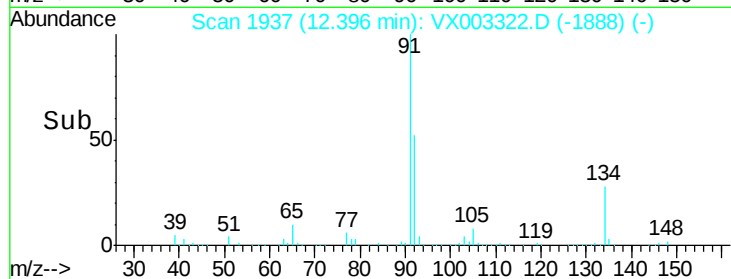
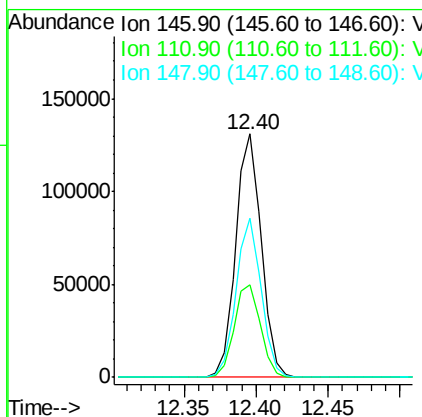
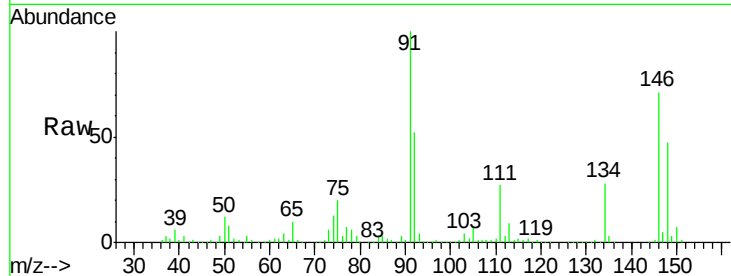
#91
 1,2-Dichlorobenzene
 Concen: 19.170 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.1
148	64.3	31.7	95.1

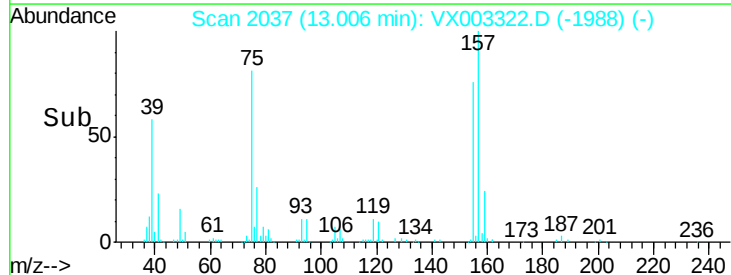
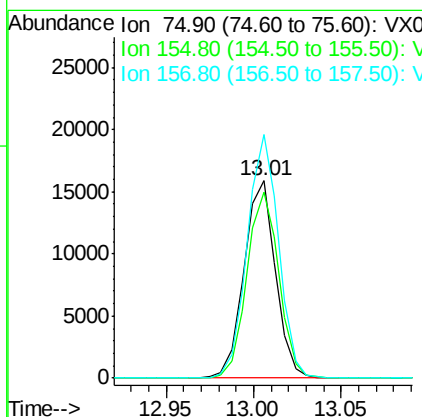
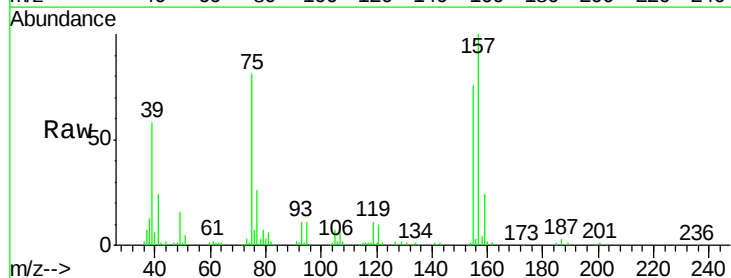
Manual Integrations
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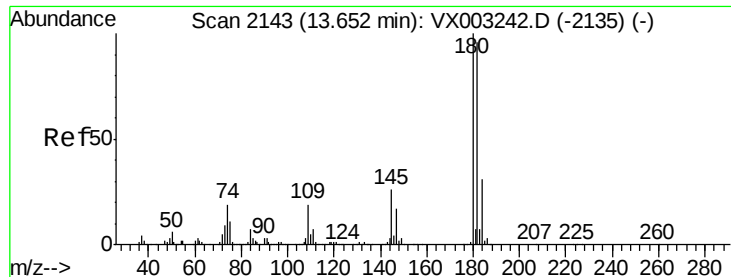
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.784 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	45.8	137.4
157	122.7	60.1	180.3





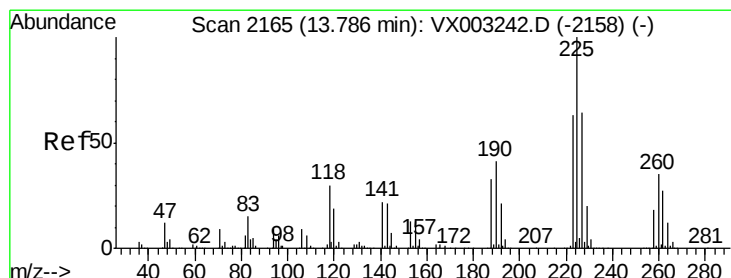
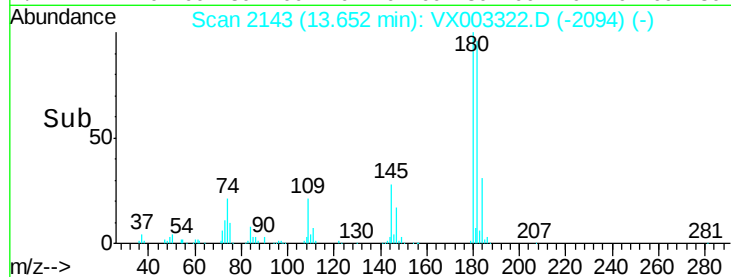
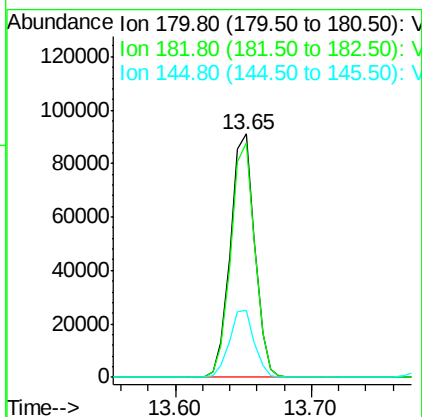
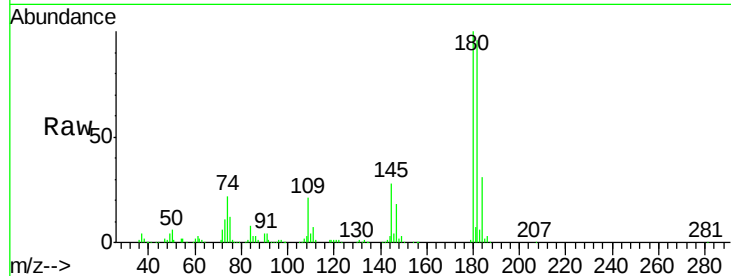
#93
 1,2,4-Trichlorobenzene
 Concen: 18.353 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.7	143.1	
145	28.1	14.1	42.4	

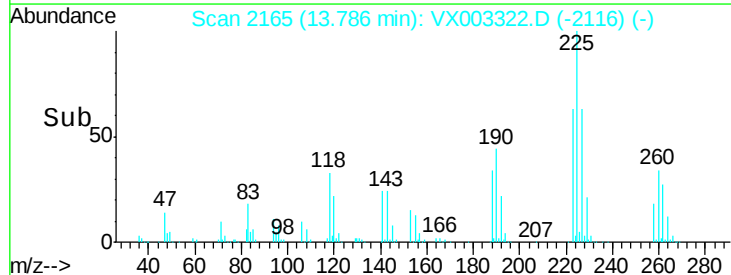
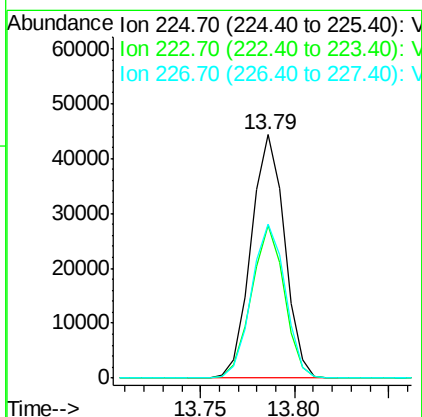
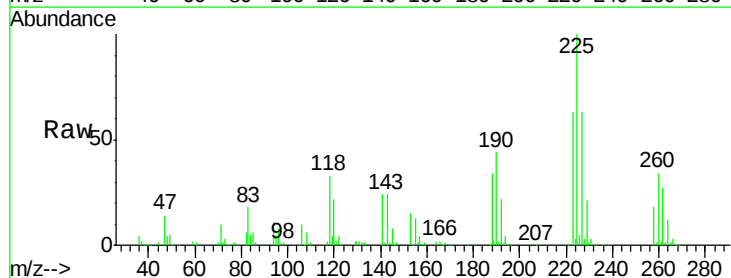
Manual Integrations
 APPROVED

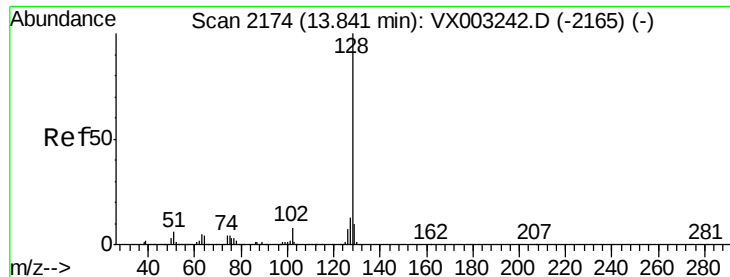
MMDadoda
 7/12/2018 10:59:26 AM



#94
 Hexachlorobutadiene
 Concen: 17.800 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003322.D
 Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	31.6	95.0	
227	63.7	32.4	97.2	





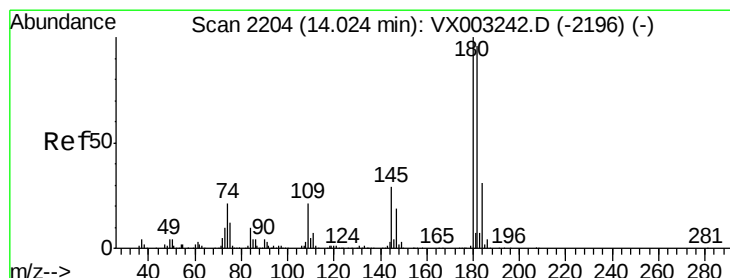
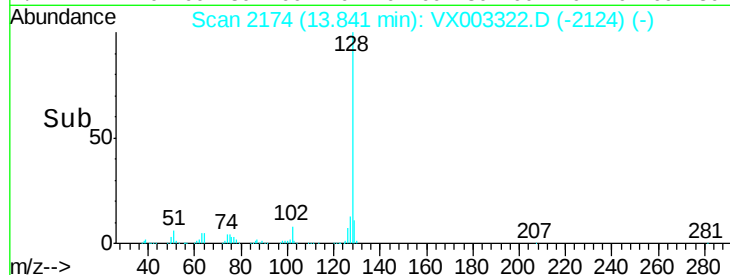
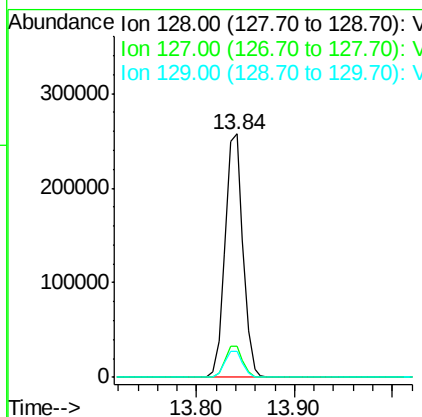
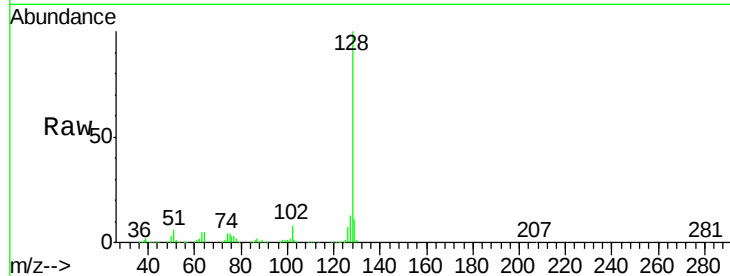
#95
Naphthalene
Concen: 20.196 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/12/2018 10:59:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.736 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003322.D
Acq: 11 Jul 2018 16:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.0
145	30.0	14.8	44.3

