

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072418\
 Data File : VX003646.D
 Acq On : 24 Jul 2018 18:02
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 11:54:17 AM

Quant Time: Jul 25 04:20:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 03:58:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	119311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	178501	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	171195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	107642	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	169741	114.05	ug/l	0.00
Spiked Amount			Recovery	=	228.10%	
35) Dibromofluoromethane	5.51	113	139647	100.40	ug/l	0.00
Spiked Amount			Recovery	=	200.80%	
50) Toluene-d8	8.72	98	546219	104.36	ug/l	0.00
Spiked Amount			Recovery	=	208.72%	
62) 4-Bromofluorobenzene	11.14	95	205742	107.72	ug/l	0.00
Spiked Amount			Recovery	=	215.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	125543	109.798	ug/l	99
3) Chloromethane	1.32	50	165730	115.661	ug/l	99
4) Vinyl Chloride	1.40	62	176532	113.327	ug/l	98
5) Bromomethane	1.64	94	86079	95.735	ug/l	94
6) Chloroethane	1.70	64	108133	114.861	ug/l	98
7) Trichlorofluoromethane	1.92	101	230521	110.375	ug/l	97
8) Diethyl Ether	2.19	74	100901	112.578	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	137941	101.958	ug/l	99
10) Methyl Iodide	2.51	142	209208	127.295	ug/l	97
11) Tert butyl alcohol	3.09	59	211549	690.313	ug/l	99
12) 1,1-Dichloroethene	2.37	96	132962	106.547	ug/l	98
13) Acrolein	2.29	56	106959	733.358	ug/l	97
14) Allyl chloride	2.73	41	281861	123.283	ug/l	100
15) Acrylonitrile	3.15	53	489899	641.775	ug/l	100
16) Acetone	2.45	43	390226	670.712	ug/l	99
17) Carbon Disulfide	2.56	76	389494	104.848	ug/l	100
18) Methyl Acetate	2.78	43	239360	131.839	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	468855	113.241	ug/l	97
20) Methylene Chloride	2.86	84	154217	99.627	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	144698	104.141	ug/l	97
22) Diisopropyl ether	3.88	45	513568	119.944	ug/l	93
23) Vinyl Acetate	3.83	43	2241270	629.657	ug/l	100
24) 1,1-Dichloroethane	3.70	63	279889	113.165	ug/l	99
25) 2-Butanone	4.72	43	630783	656.175	ug/l	97
26) 2,2-Dichloropropane	4.58	77	182414	99.798	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	160124	104.223	ug/l	99
28) Bromochloromethane	5.02	49	106205	100.264	ug/l	98
29) Tetrahydrofuran	5.17	42	418110	654.581	ug/l	97
30) Chloroform	5.22	83	258368	108.085	ug/l	96
31) Cyclohexane	5.57	56	245877	112.515	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	224850	109.849	ug/l	99
36) 1,1-Dichloropropene	5.80	75	202129	103.224	ug/l	100
37) Ethyl Acetate	4.88	43	238042	122.926	ug/l	99
38) Carbon Tetrachloride	5.79	117	200501	104.977	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	237312	102.341	ug/l	100
40) Benzene	6.15	78	602350	101.462	ug/l	100
41) Methacrylonitrile	5.07	41	130667	115.294	ug/l	99
42) 1,2-Dichloroethane	6.20	62	210894	110.653	ug/l	99
43) Isopropyl Acetate	6.48	43	364756	119.180	ug/l	99
44) Trichloroethene	7.21	130	157456	90.778	ug/l	99
45) 1,2-Dichloropropane	7.52	63	157411	104.091	ug/l	99
46) Dibromomethane	7.67	93	100996	104.103	ug/l	100
47) Bromodichloromethane	7.90	83	196460	110.177	ug/l	99
48) Methyl methacrylate	7.78	41	191974	124.205	ug/l	100
49) 1,4-Dioxane	7.76	88	86313	2477.245	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1256186	643.872	ug/l	100
52) Toluene	8.79	92	377742	101.598	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	244434	111.721	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	227025	115.072	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	154345	103.745	ug/l	98
56) Ethyl methacrylate	9.19	69	253787	119.775	ug/l	99
57) 1,3-Dichloropropane	9.38	76	260133	107.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	622229	597.333	ug/l	99
59) 2-Hexanone	9.50	43	1002396	687.708	ug/l	100
60) Dibromochloromethane	9.59	129	159886	109.351	ug/l	100
61) 1,2-Dibromoethane	9.68	107	163158	105.869	ug/l	100
64) Tetrachloroethene	9.34	164	152291	76.056	ug/l	97
65) Chlorobenzene	10.14	112	425459	96.505	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	152701	100.699	ug/l	100
67) Ethyl Benzene	10.26	91	742677	103.875	ug/l	100
68) m/p-Xylenes	10.36	106	575126	205.909	ug/l	100
69) o-Xylene	10.70	106	277695	102.982	ug/l	99
70) Styrene	10.71	104	477916	107.425	ug/l	100
71) Bromoform	10.86	173	130822	110.855	ug/l #	99
73) Isopropylbenzene	11.02	105	740904	99.233	ug/l	100
74) N-amyl acetate	6.48	43	364756	110.813	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	259209	114.379	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	218068m	109.605	ug/l	
77) Bromobenzene	11.26	156	195129	91.758	ug/l	100
78) n-propylbenzene	11.37	91	869396	103.964	ug/l	100
79) 2-Chlorotoluene	11.43	91	505350	99.621	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	640103	103.692	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	82422	131.344	ug/l	96
82) 4-Chlorotoluene	11.51	91	605938	101.764	ug/l	100
83) tert-Butylbenzene	11.77	119	627988	104.035	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	656937	104.495	ug/l	99
85) sec-Butylbenzene	11.95	105	743844	101.603	ug/l	100
86) p-Isopropyltoluene	12.07	119	673899	102.701	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	365425	93.040	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	369505	91.172	ug/l	100
89) n-Butylbenzene	12.39	91	609204	108.476	ug/l	100
90) Hexachloroethane	12.60	117	104444	110.919	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	371701	95.905	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	59674	133.008	ug/l	99

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ClientSampleId :
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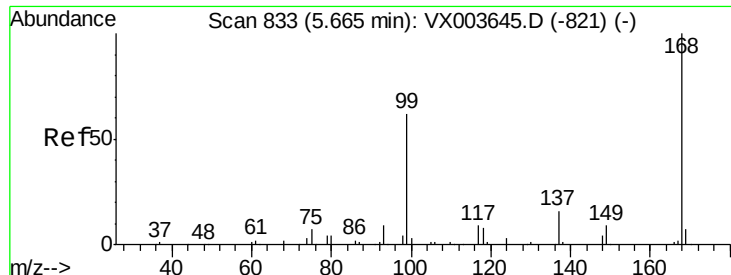
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	276994	97.684	ug/l	100
94) Hexachlorobutadiene	13.79	225	121721	90.195	ug/l	99
95) Naphthalene	13.84	128	877360	114.917	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	281452	99.696	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: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:168 Resp: 119311

Ion Ratio Lower Upper

168 100

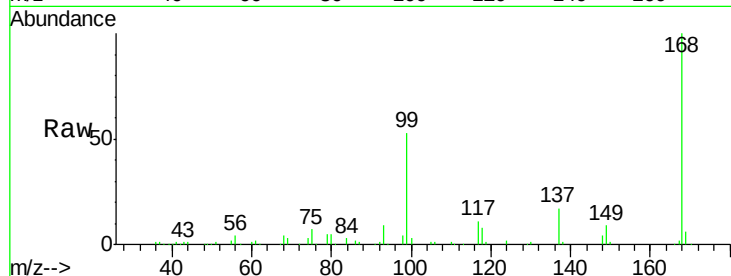
99 53.1 49.5 74.3

Manual Integrations

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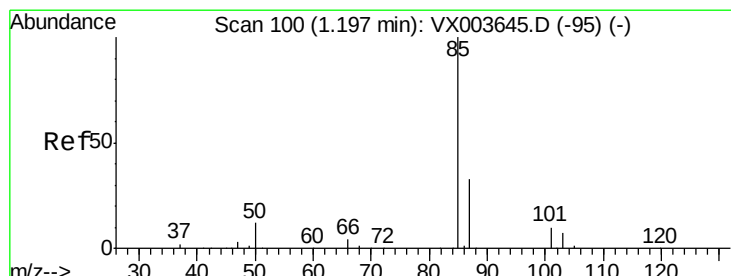
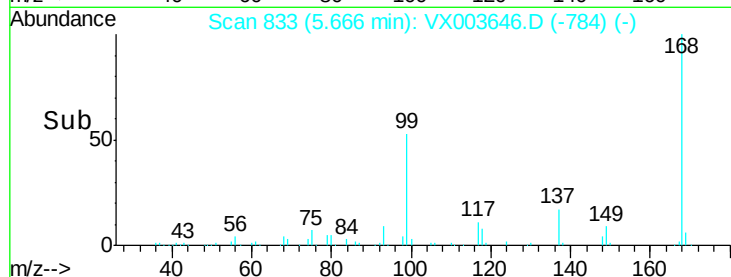
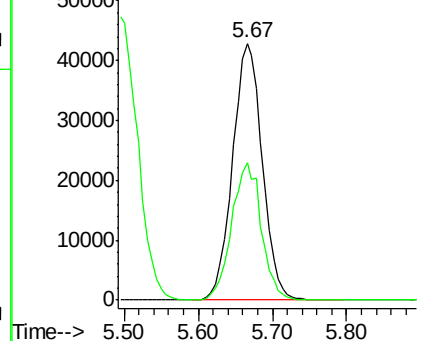
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 109.798 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003646.D

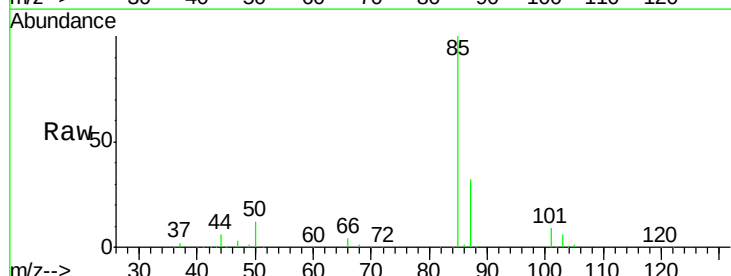
Acq: 24 Jul 2018 18:02

Tgt Ion: 85 Resp: 125543

Ion Ratio Lower Upper

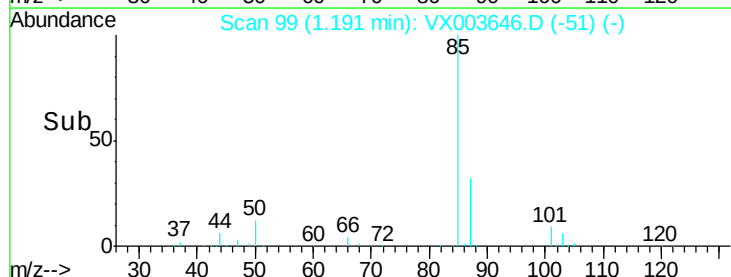
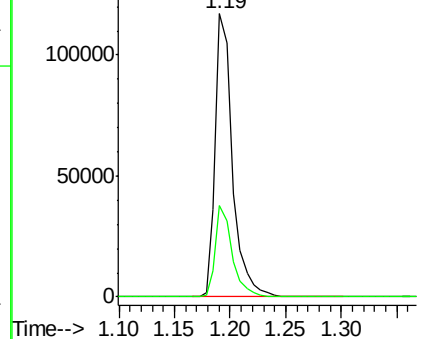
85 100

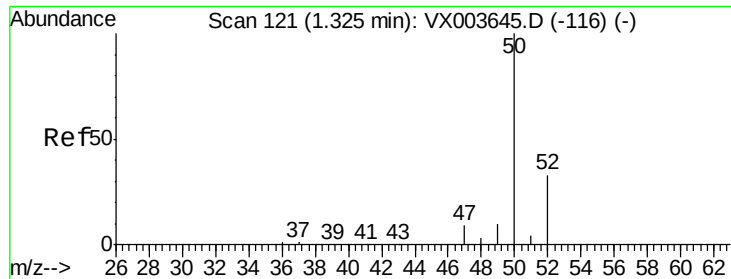
87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 115.661 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 165730

Ion Ratio Lower Upper

50 100

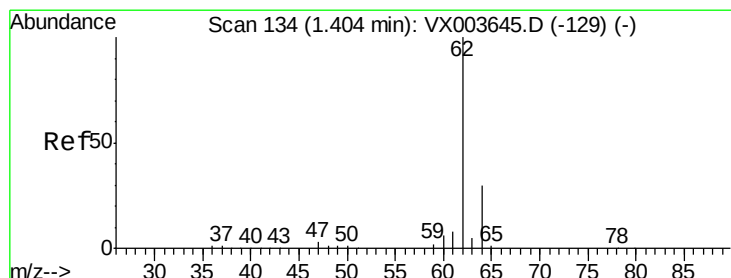
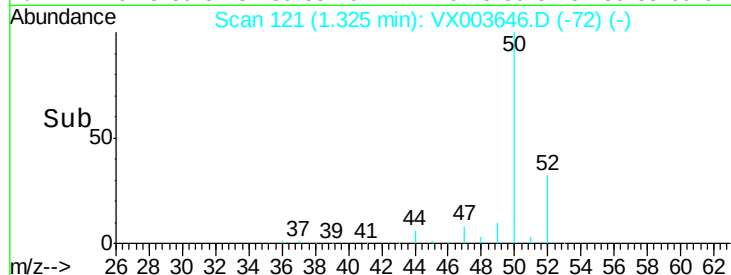
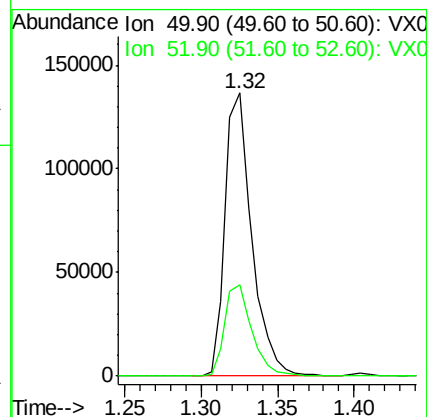
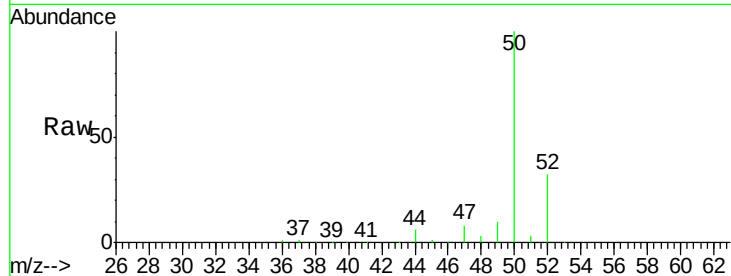
52 32.4 26.3 39.5

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#4

Vinyl Chloride

Concen: 113.327 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003646.D

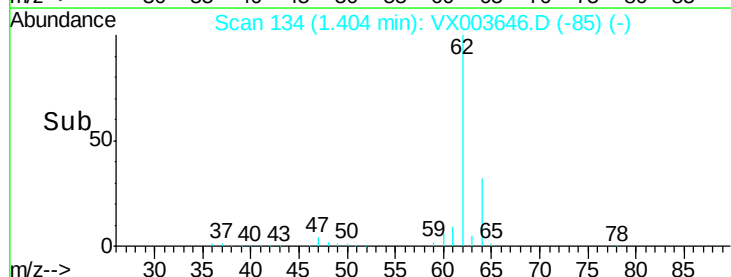
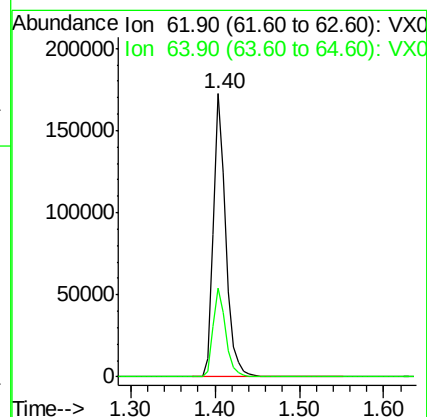
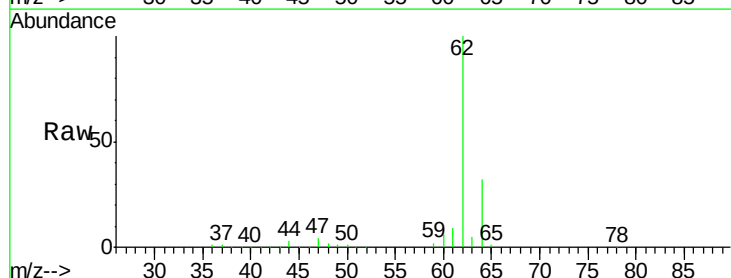
Acq: 24 Jul 2018 18:02

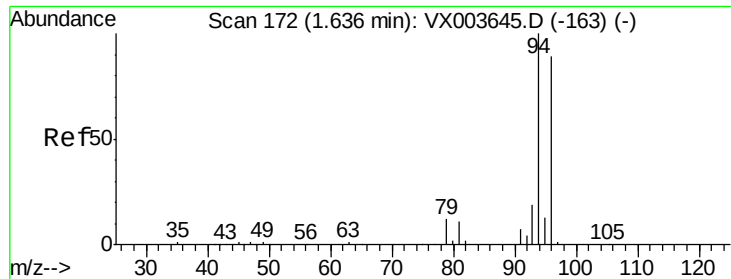
Tgt Ion: 62 Resp: 176532

Ion Ratio Lower Upper

62 100

64 31.5 24.4 36.6





#5

Bromomethane

Concen: 95.735 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 86079

Ion Ratio Lower Upper

94 100

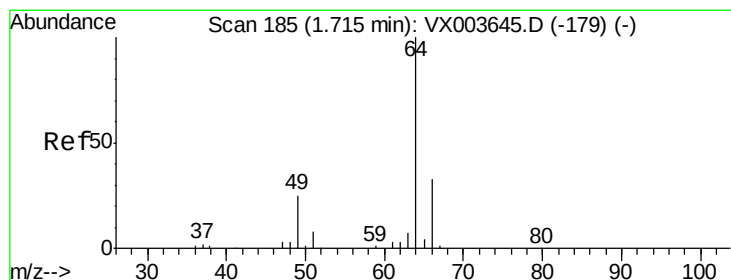
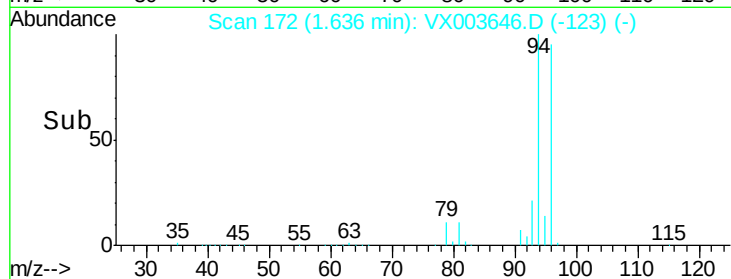
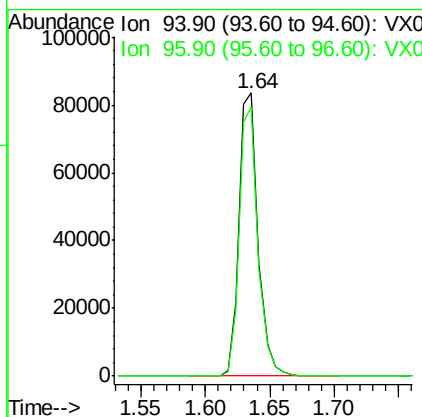
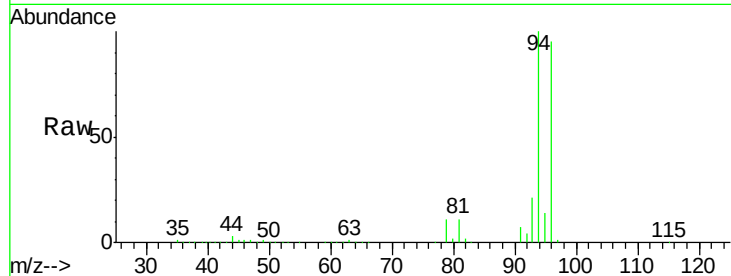
96 95.1 71.3 106.9

Manual Integrations

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#6

Chloroethane

Concen: 114.861 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003646.D

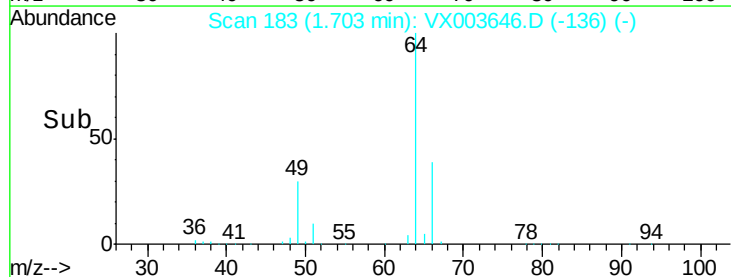
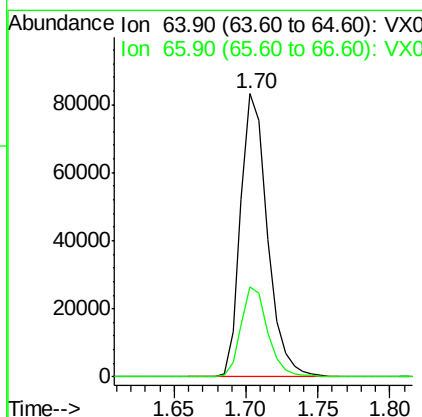
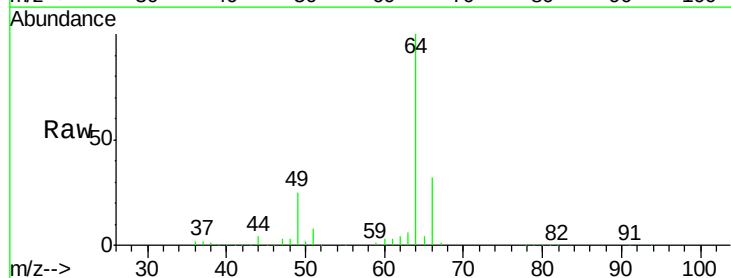
Acq: 24 Jul 2018 18:02

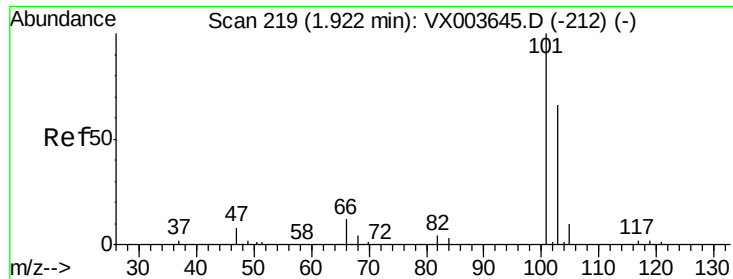
Tgt Ion: 64 Resp: 108133

Ion Ratio Lower Upper

64 100

66 31.6 26.3 39.5





#7

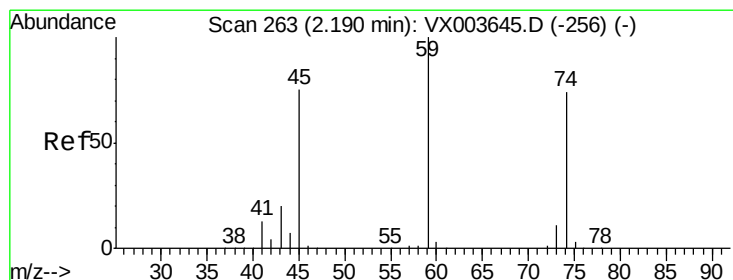
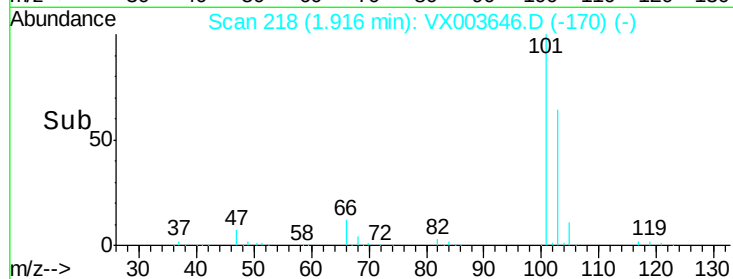
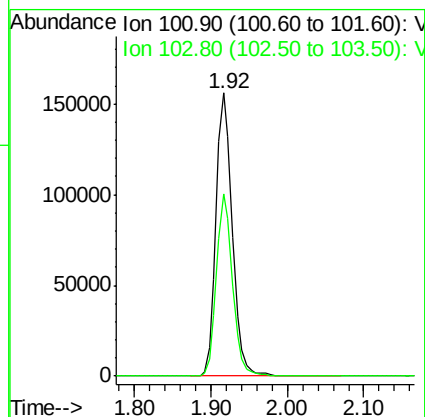
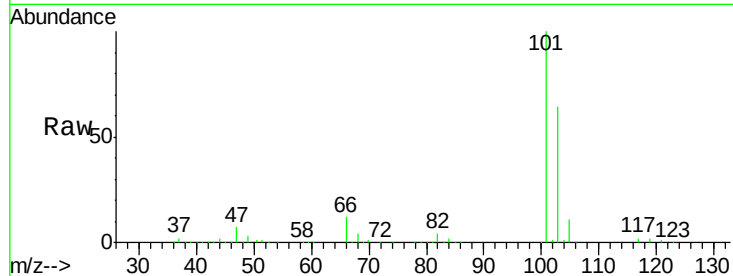
Trichlorofluoromethane
Concen: 110.375 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	230521		
103	64.2	53.2	79.8	

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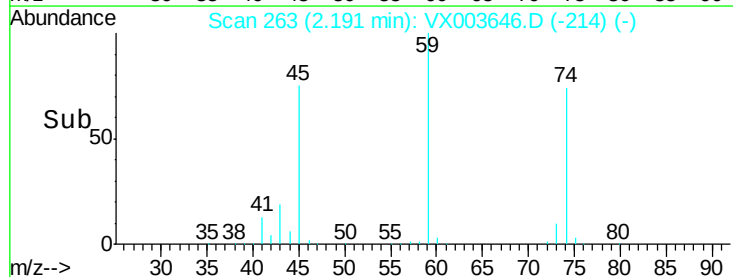
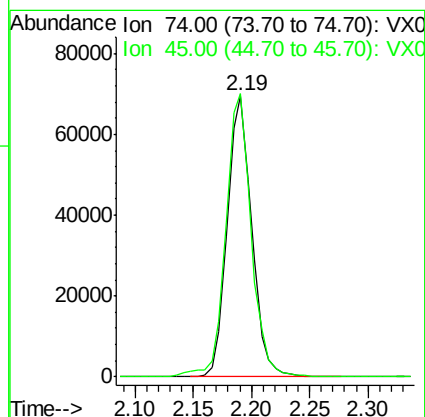
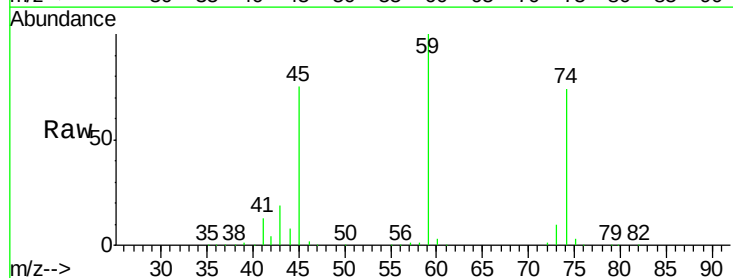
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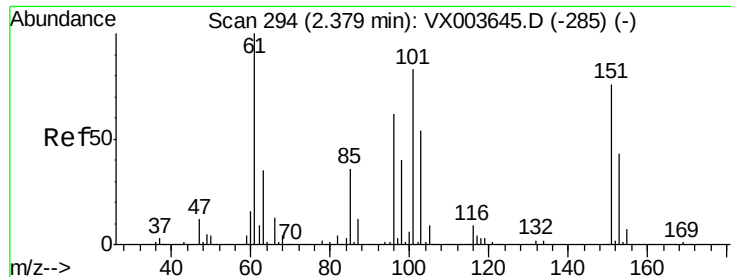


#8

Diethyl Ether
Concen: 112.578 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	100901		
45	104.8	51.0	153.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.958 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

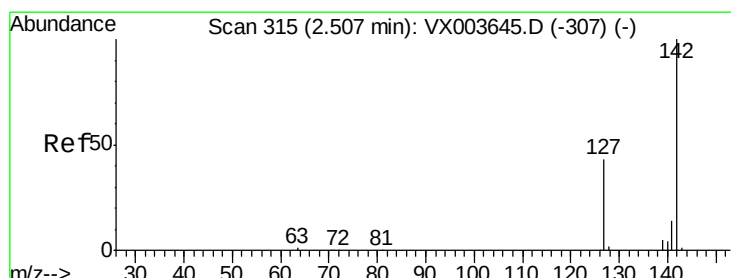
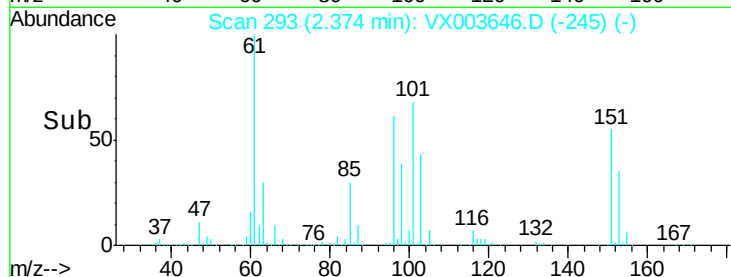
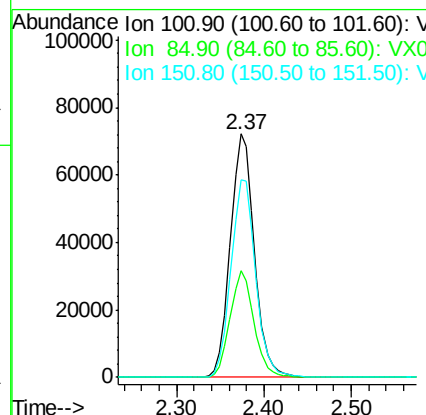
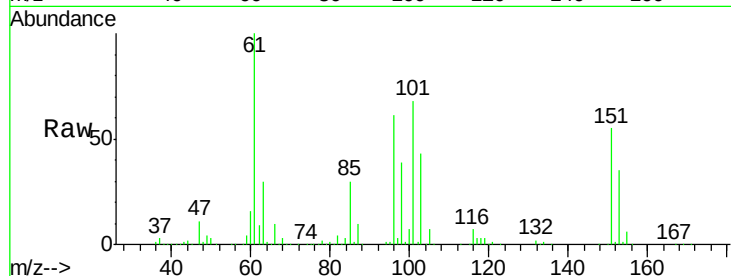
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	137941
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.6	52.0
151	83.4	67.5	101.3

Manual Integrations
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8/2/2018 11:54:17 AM



#10

Methyl Iodide

Concen: 127.295 ug/l

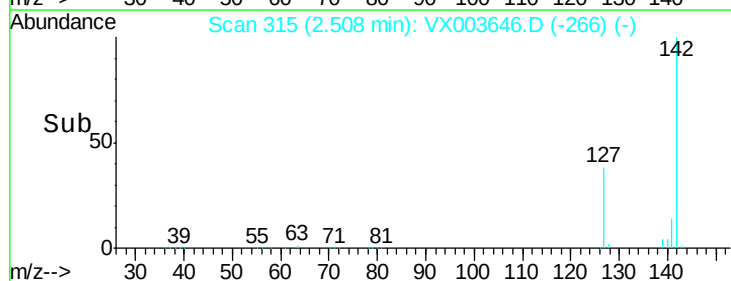
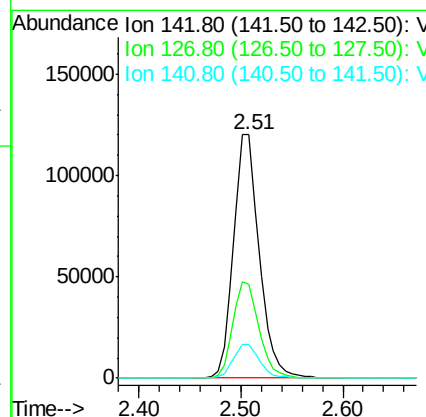
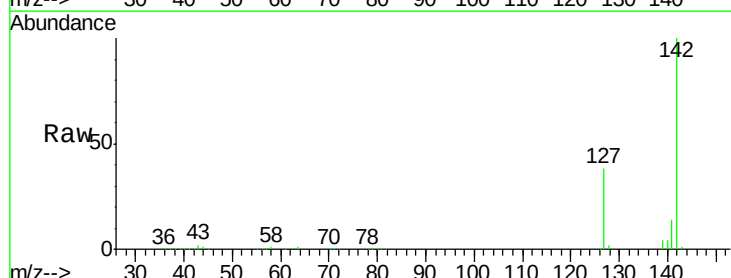
RT: 2.51 min Scan# 315

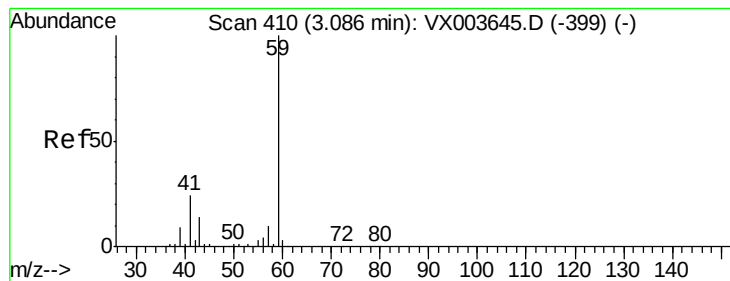
Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Tgt Ion:	142	Resp:	209208
Ion Ratio	Lower	Upper	
142	100		
127	40.2	34.0	51.0
141	14.1	11.3	16.9





#11

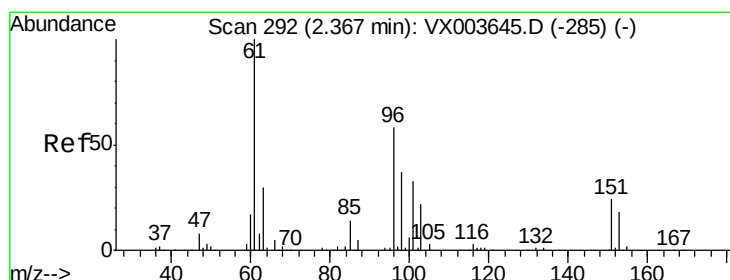
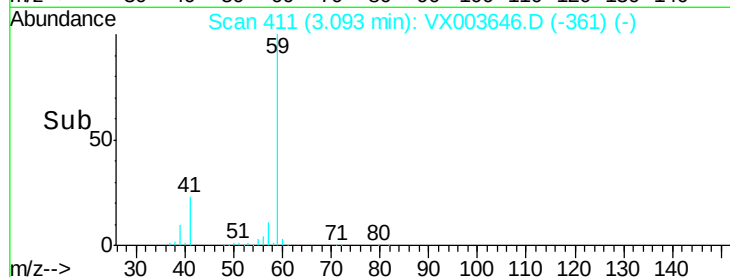
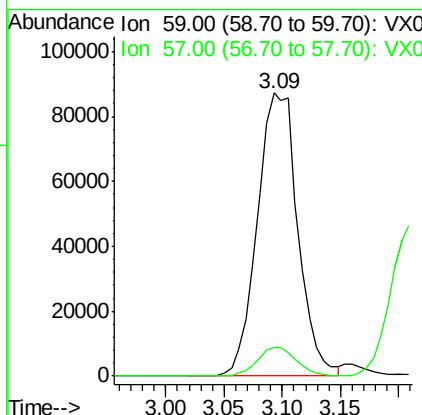
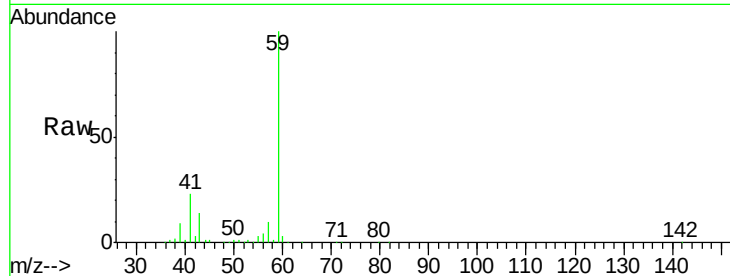
Tert butyl alcohol
 Concen: 690.313 ug/l
 RT: 3.09 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion: 59 Resp: 211549
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

Manual Integrations
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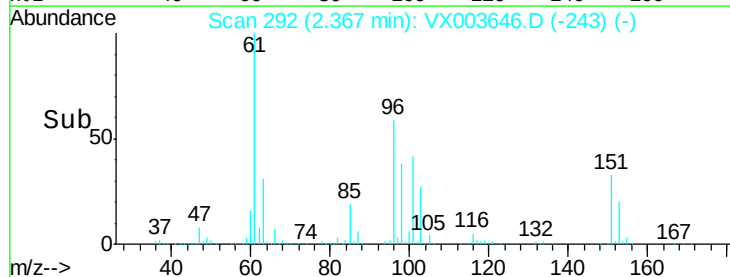
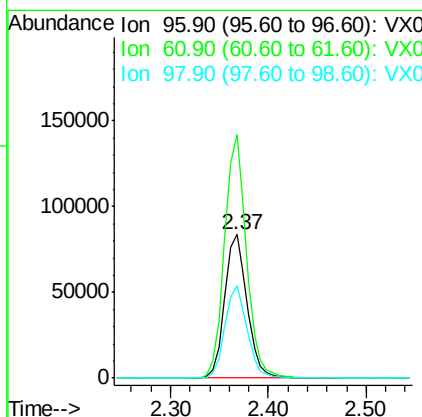
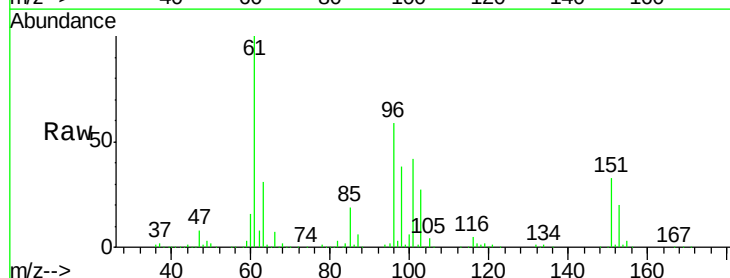
MMDadoda
 8/2/2018 11:54:17 AM

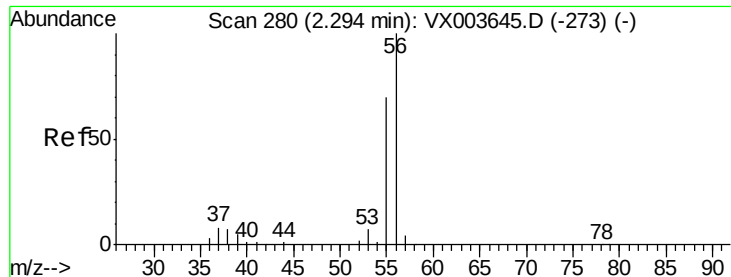


#12

1,1-Dichloroethene
 Concen: 106.547 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Tgt Ion: 96 Resp: 132962
 Ion Ratio Lower Upper
 96 100
 61 169.8 138.8 208.2
 98 64.2 51.4 77.2





#13

Acrolein

Concen: 733.358 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 106959

Ion Ratio Lower Upper

56 100

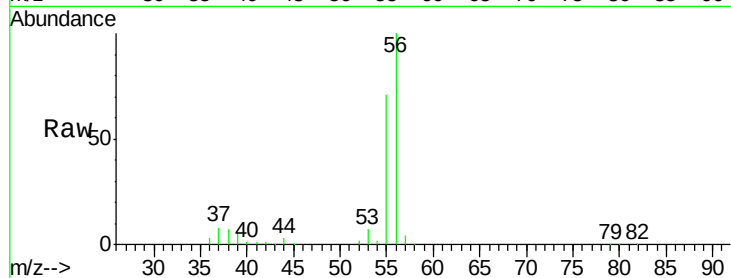
55 71.3 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

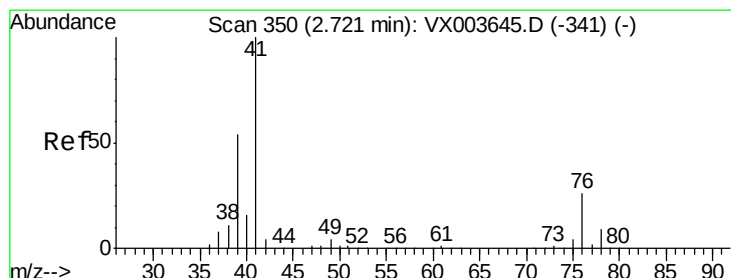
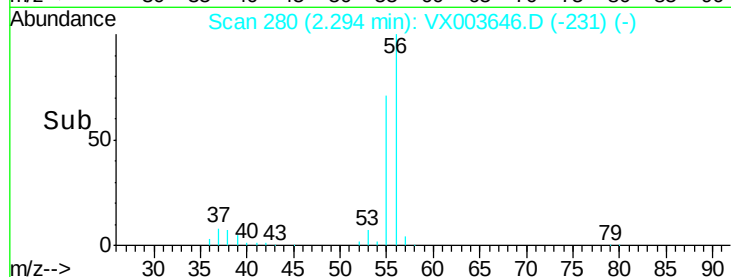
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 123.283 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.01 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

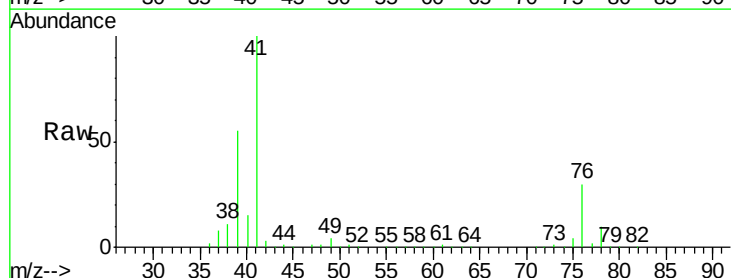
Tgt Ion: 41 Resp: 281861

Ion Ratio Lower Upper

41 100

39 56.6 45.3 67.9

76 30.3 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

200000

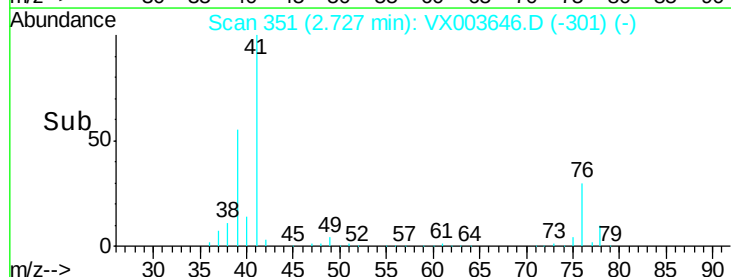
150000

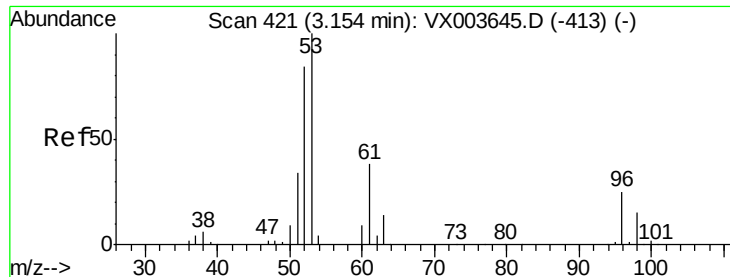
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 641.775 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

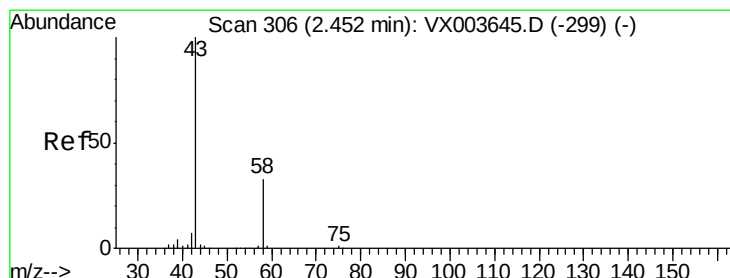
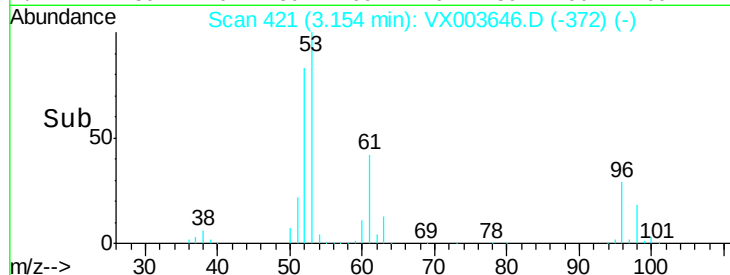
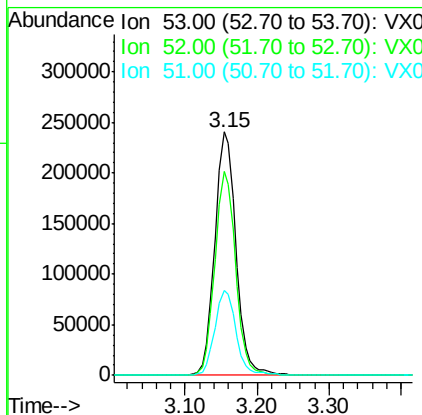
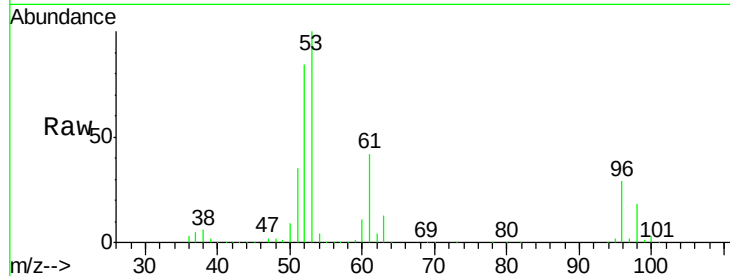
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	489899
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	35.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 670.712 ug/l

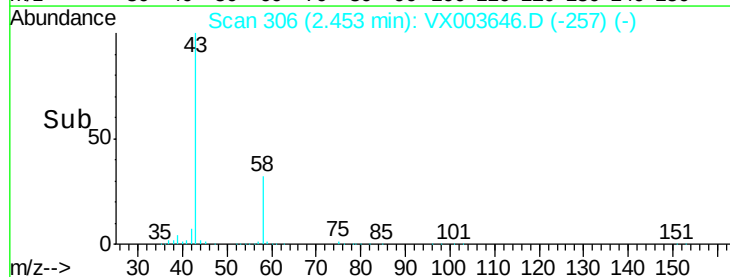
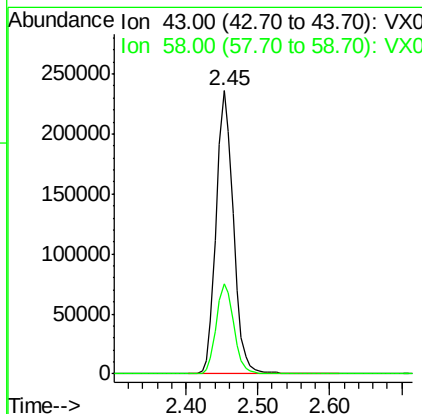
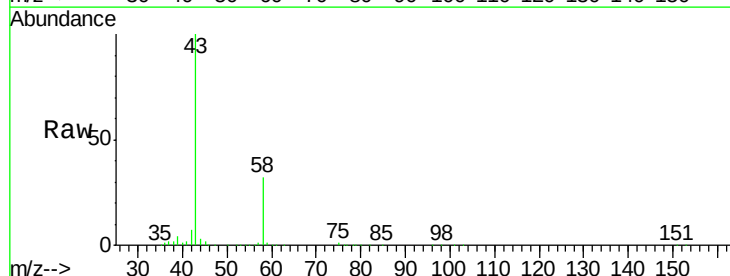
RT: 2.45 min Scan# 306

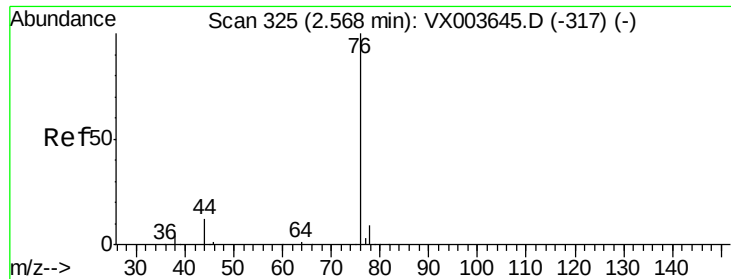
Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Tgt Ion:	43	Resp:	390226
Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.1	39.1





#17

Carbon Disulfide

Concen: 104.848 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion: 76 Resp: 389494

Ion Ratio Lower Upper

76 100

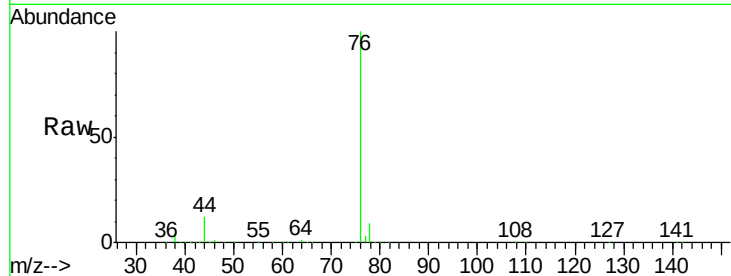
78 9.1 7.4 11.0

Manual Integrations

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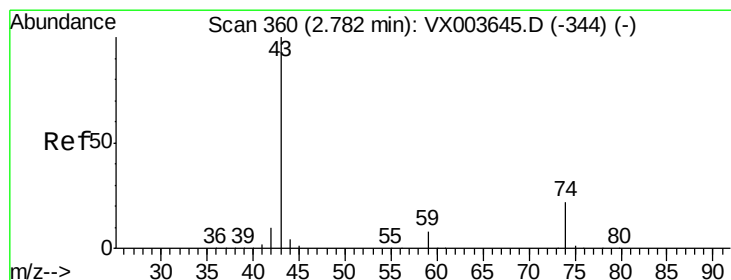
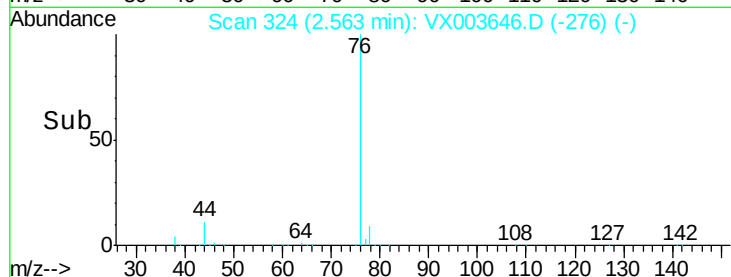
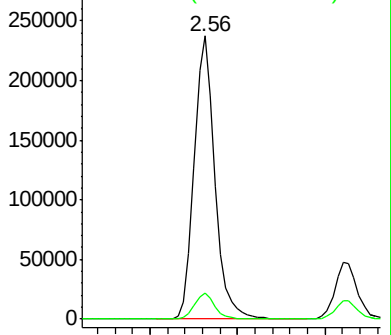
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 131.839 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003646.D

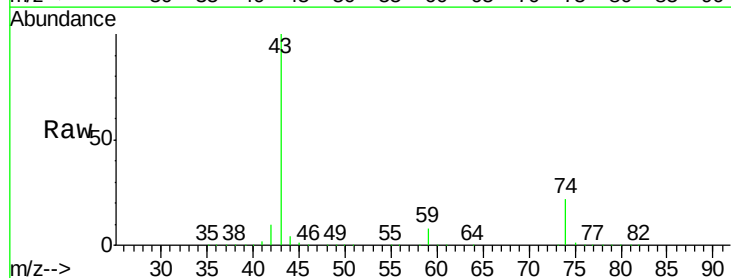
Acq: 24 Jul 2018 18:02

Tgt Ion: 43 Resp: 239360

Ion Ratio Lower Upper

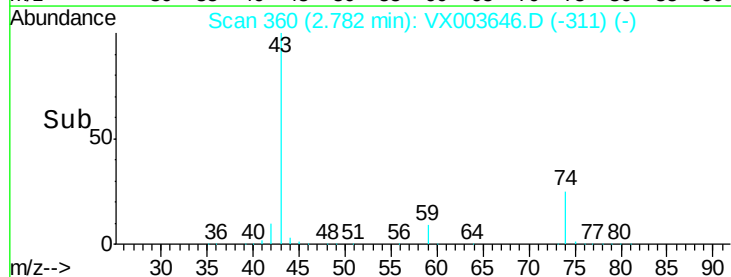
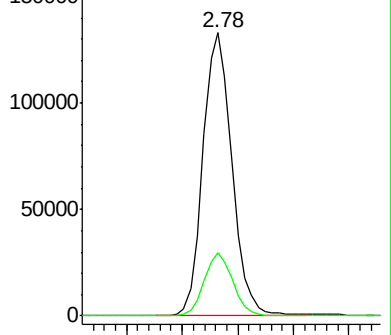
43 100

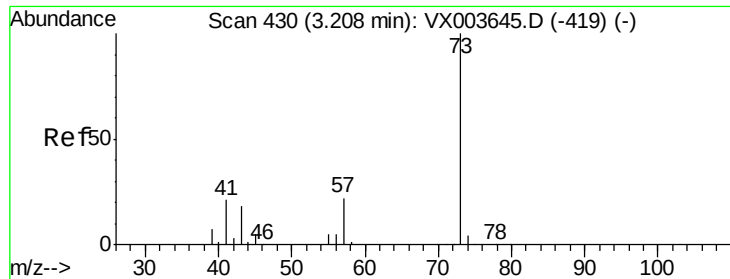
74 22.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





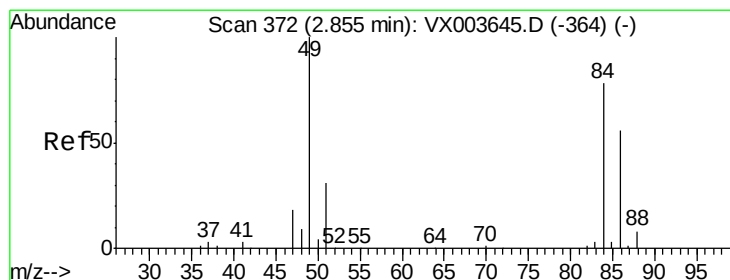
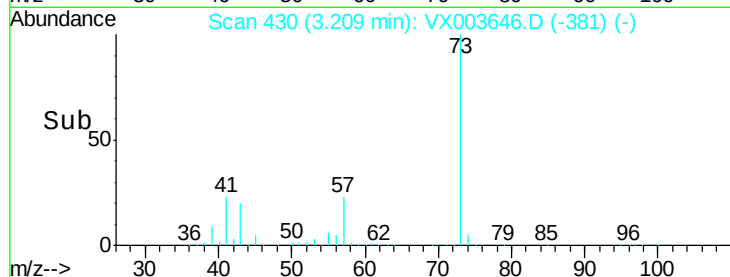
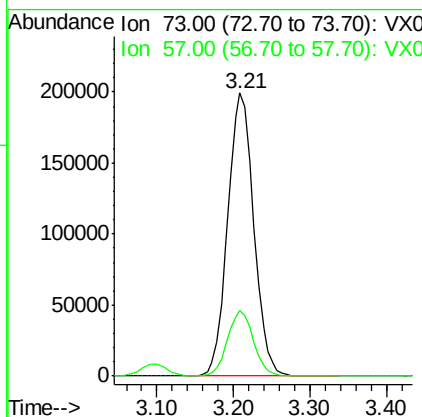
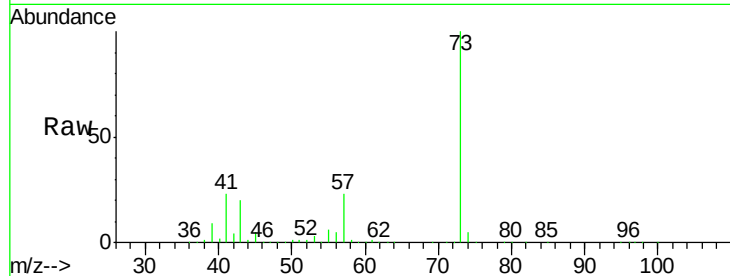
#19
Methyl tert-butyl Ether
Concen: 113.241 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 468855
Ion Ratio Lower Upper
73 100
57 23.2 17.4 26.2

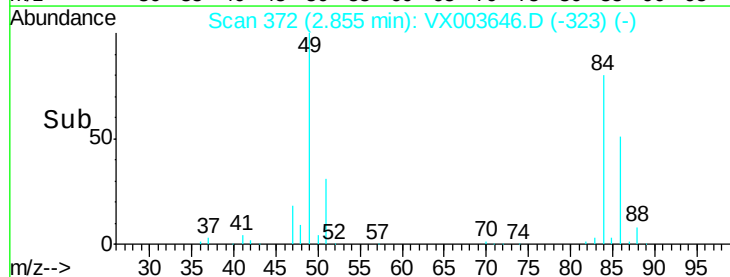
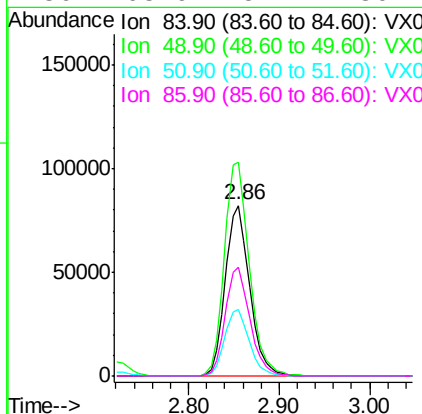
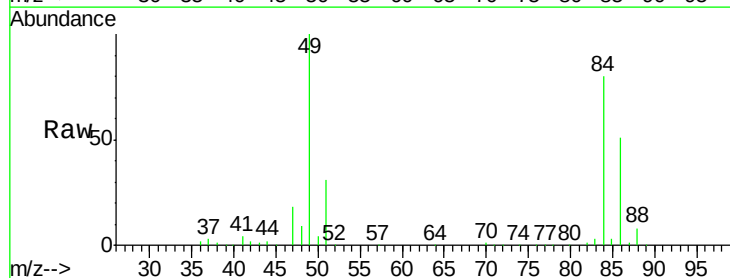
Manual Integrations
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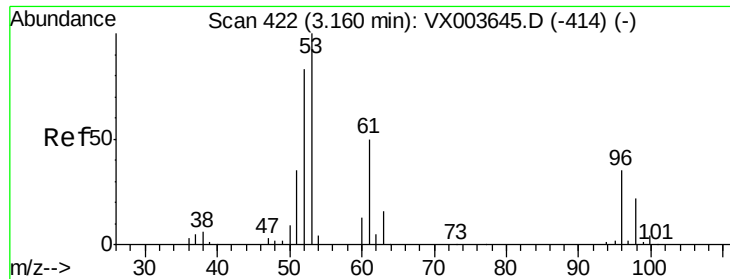
MMDadoda
8/2/2018 11:54:17 AM



#20
Methylene Chloride
Concen: 99.627 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion: 84 Resp: 154217
Ion Ratio Lower Upper
84 100
49 125.3 102.3 153.5
51 39.0 31.8 47.8
86 63.9 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 104.141 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

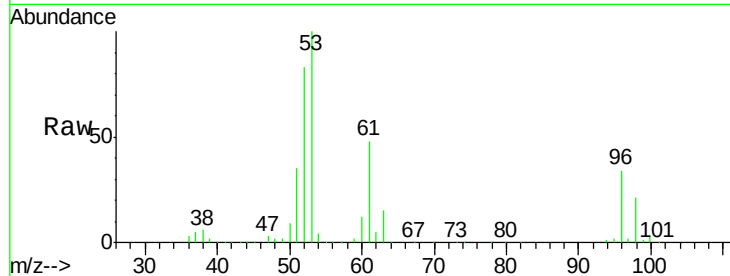
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	144698
Ion	Ratio	Lower	Upper
96	100		
61	138.7	115.0	172.4
98	61.6	49.7	74.5

Manual Integrations
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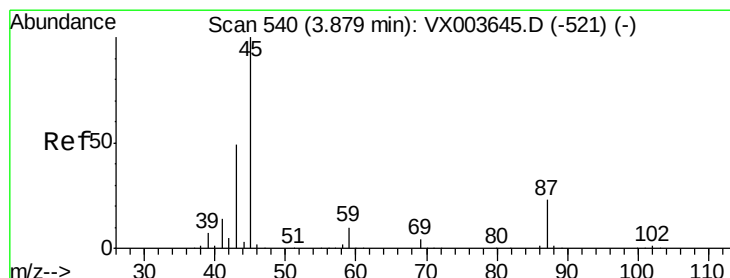
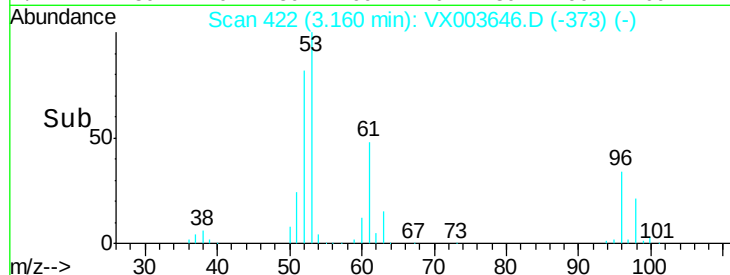
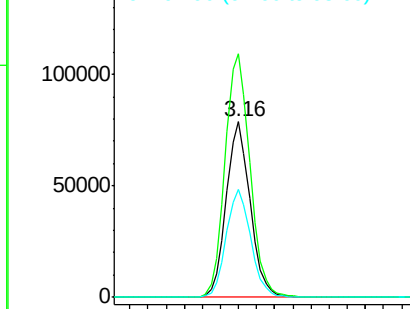


Abundance

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: 119.944 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Tgt Ion:	45	Resp:	513568
Ion	Ratio	Lower	Upper
45	100		
43	53.8	39.0	58.4
87	26.0	18.4	27.6
59	11.4	7.8	11.8

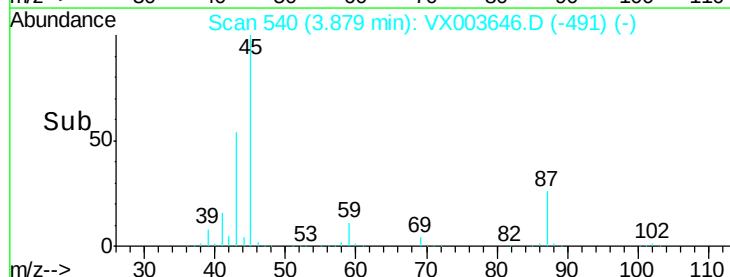
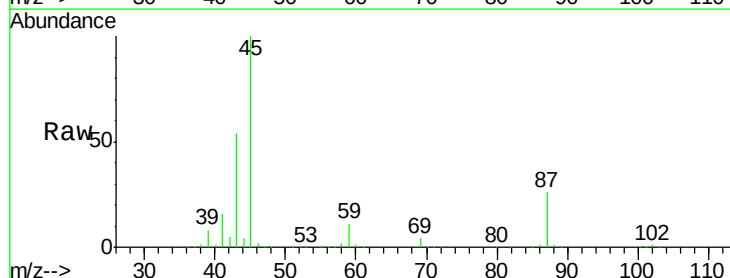
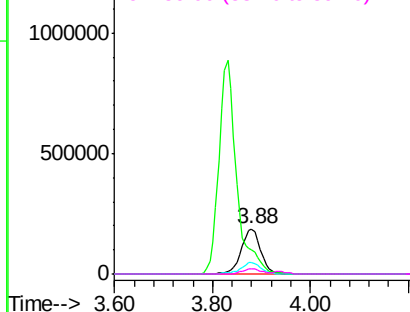
Abundance

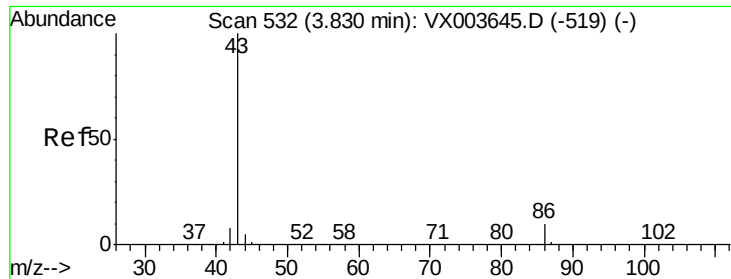
Ion 45.00 (44.70 to 45.70): VX0

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





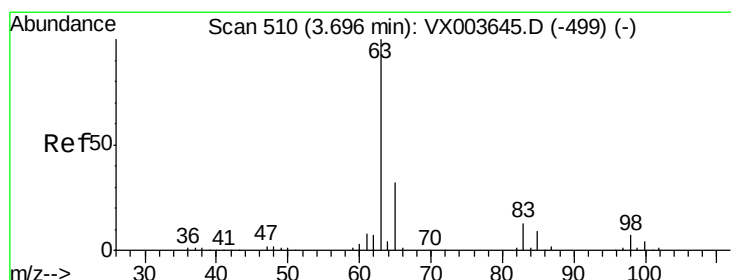
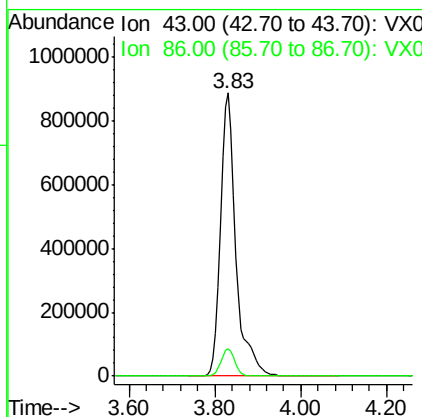
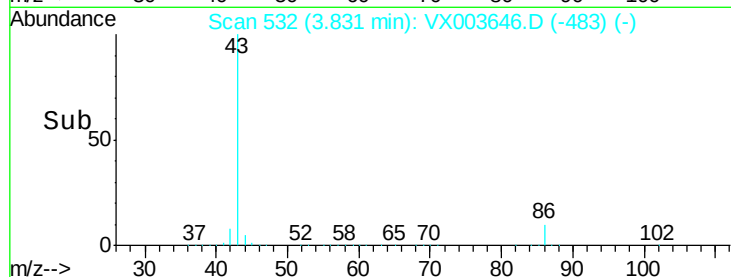
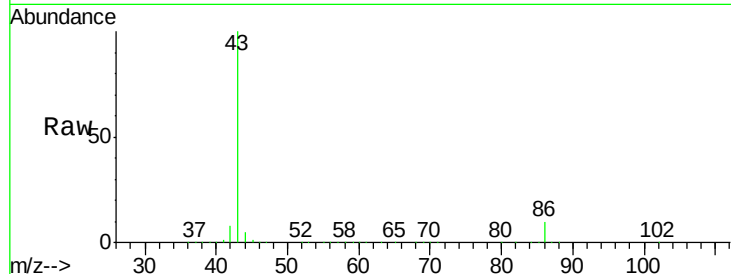
#23
 Vinyl Acetate
 Concen: 629.657 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion: 43 Resp: 2241270
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.7 11.5

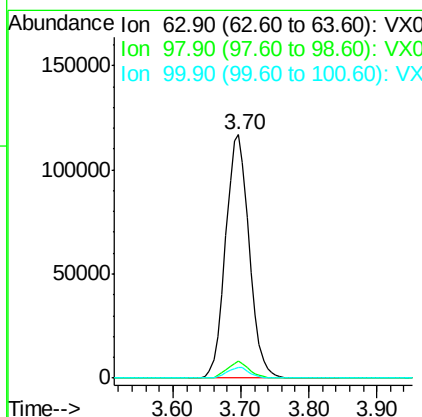
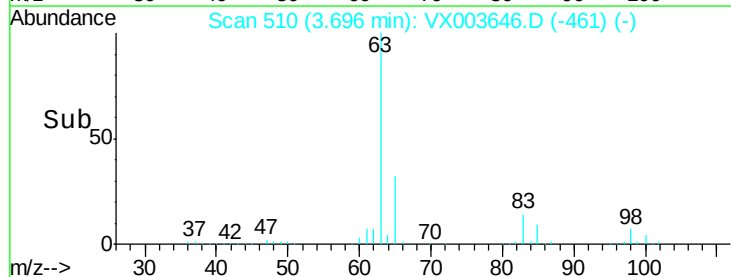
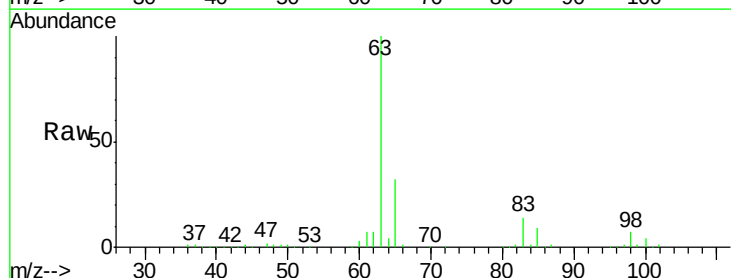
Manual Integrations
 APPROVED

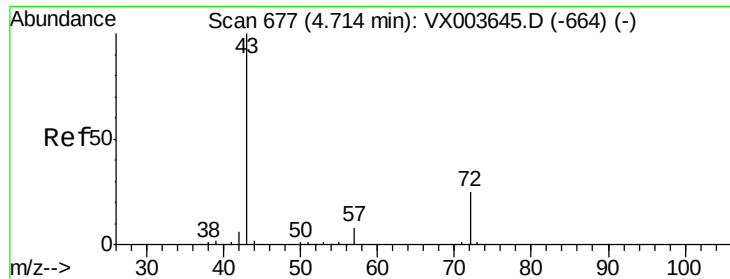
MMDadoda
 8/2/2018 11:54:17 AM



#24
 1,1-Dichloroethane
 Concen: 113.165 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Tgt Ion: 63 Resp: 279889
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 656.175 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Tot Ion: 43 Resp: 630783

Ion Ratio Lower Upper

43 100

72 26.7 20.2 30.4

Instrument :

MSVOA_X

ClientSampled :

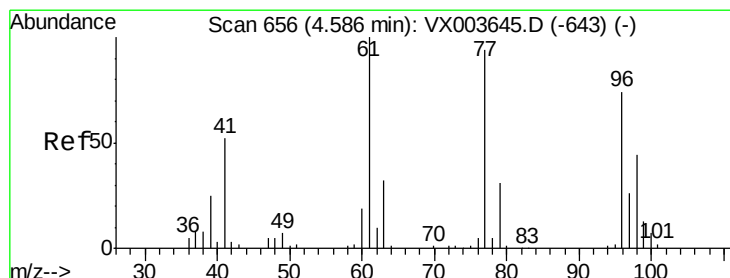
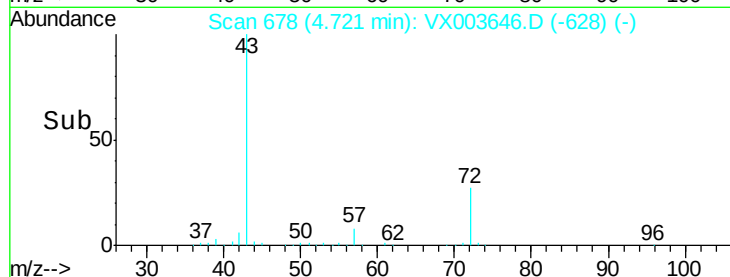
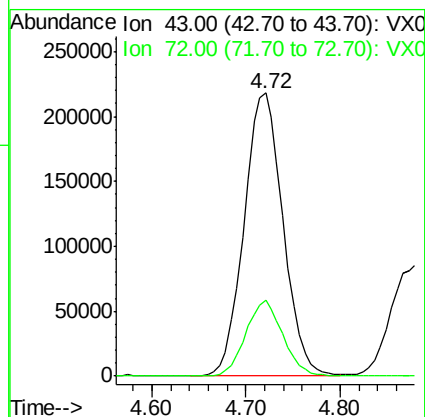
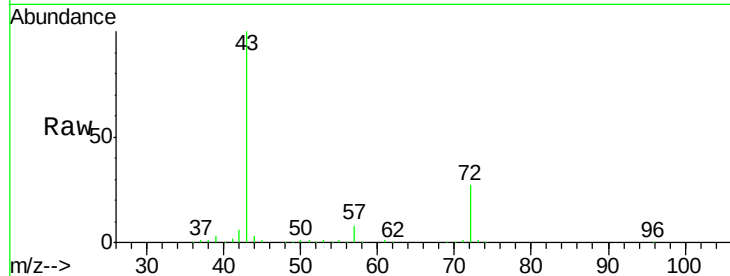
VSTDIC100

Manual Integrations

APPROVED

MMDadoda

8/2/2018 11:54:17 AM



#26

2,2-Dichloropropane

Concen: 99.798 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003646.D

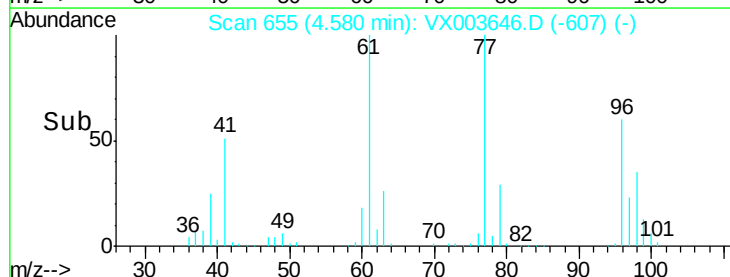
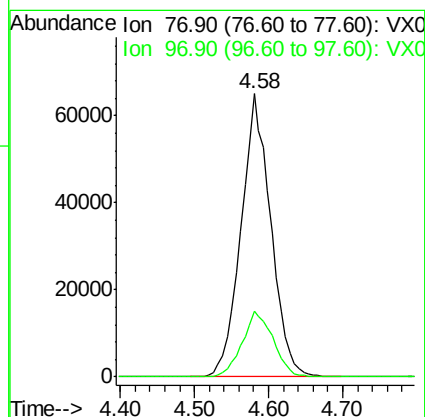
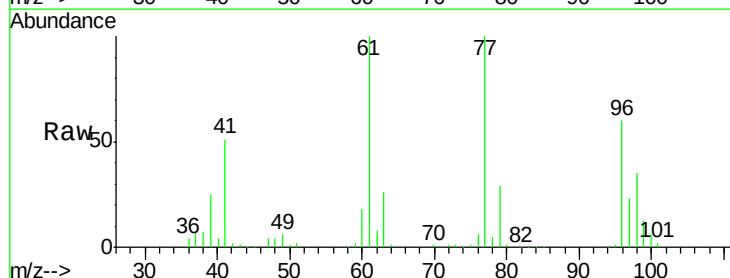
Acq: 24 Jul 2018 18:02

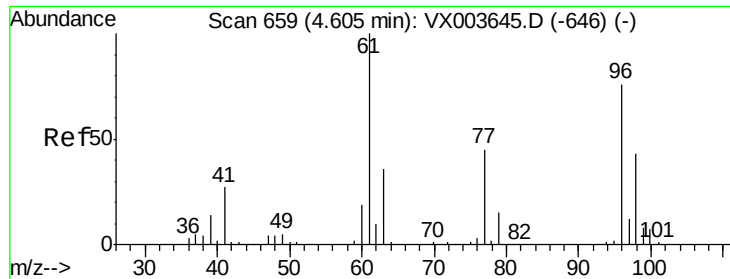
Tgt Ion: 77 Resp: 182414

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.0





#27

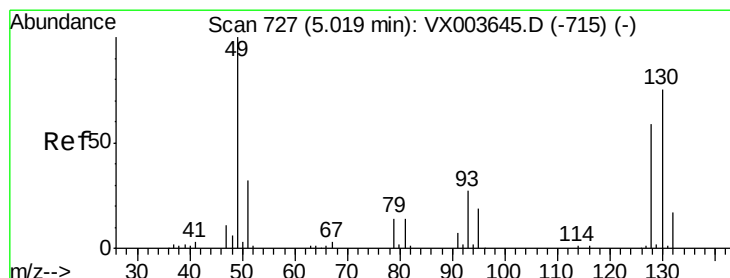
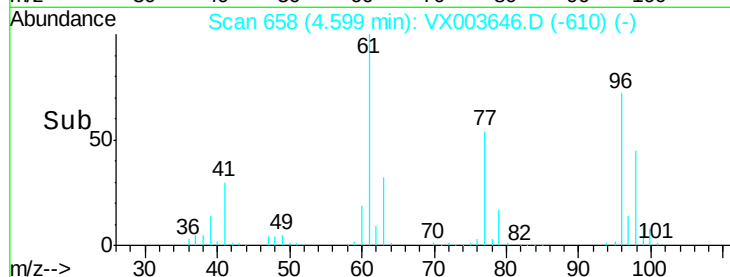
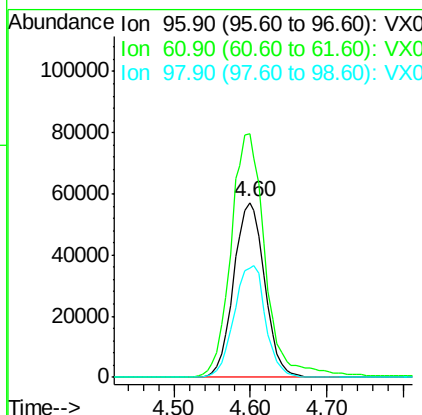
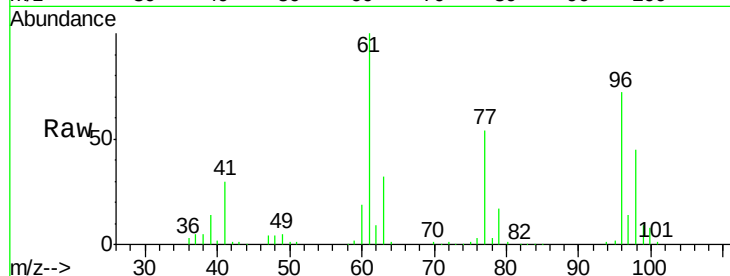
cis-1,2-Dichloroethene
Concen: 104.223 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160124		
61	156.0	0.0	313.6	
98	64.9	0.0	125.6	

Manual Integrations
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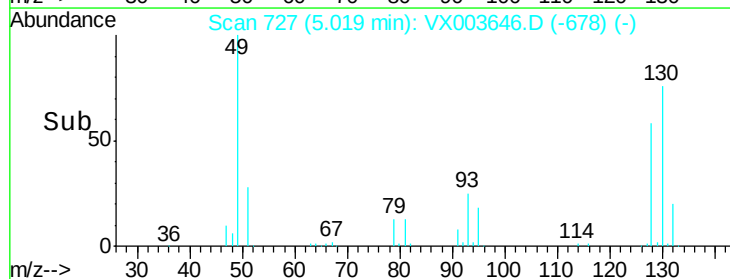
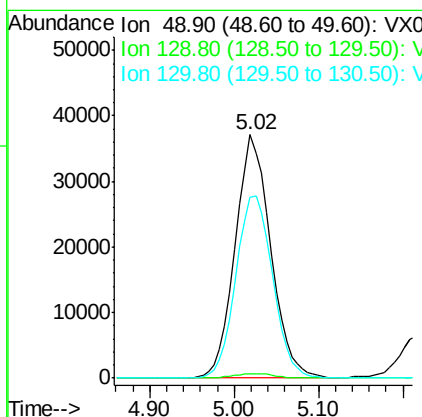
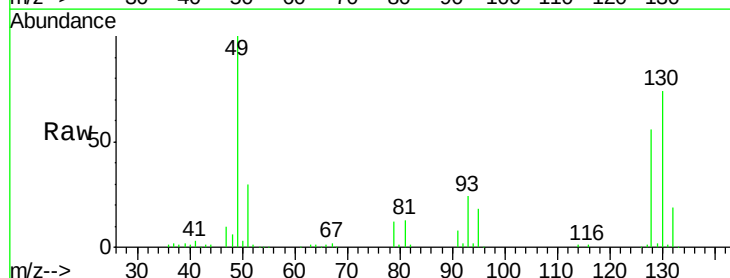
MMDadoda
8/2/2018 11:54:17 AM

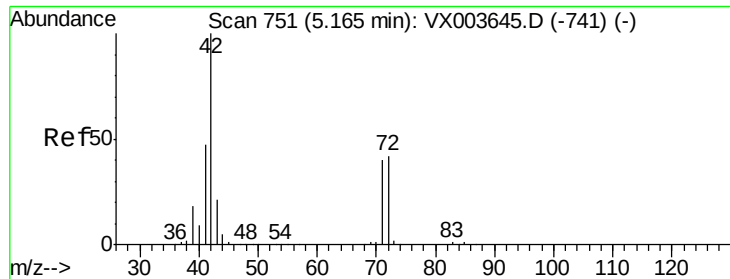


#28

Bromochloromethane
Concen: 100.264 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	106205		
129	2.0	0.0	4.2	
130	77.8	61.0	91.6	





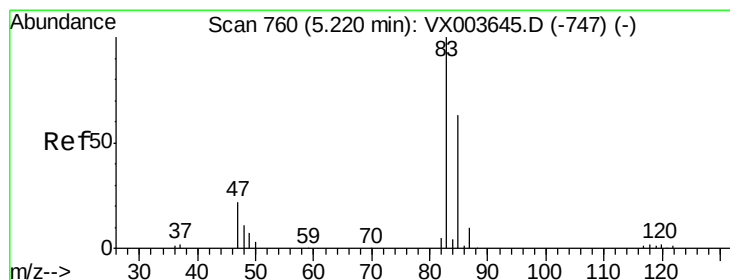
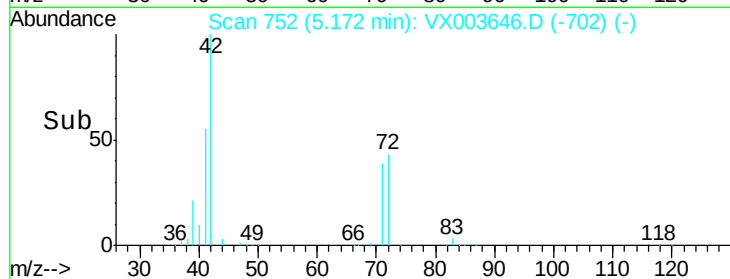
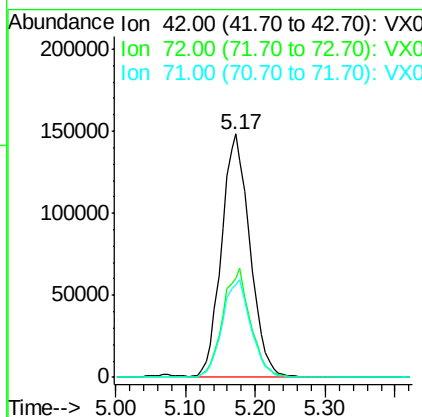
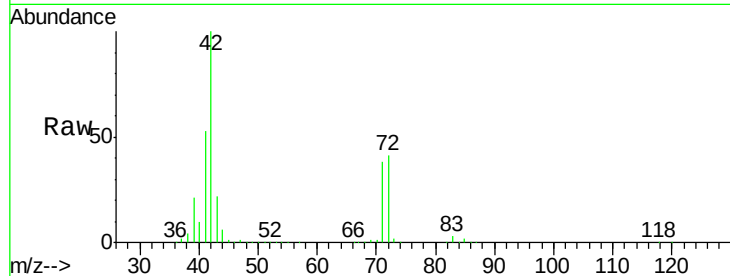
#29
Tetrahydrofuran
Concen: 654.581 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.4	50.0
71	40.1	31.0	46.6

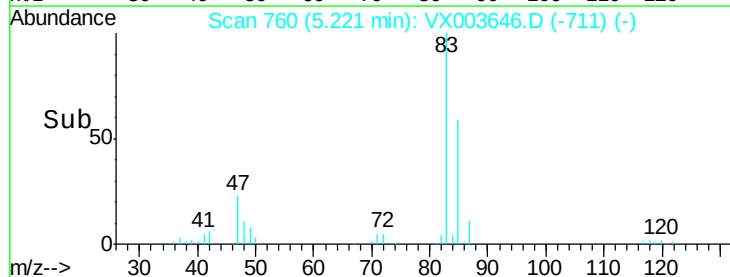
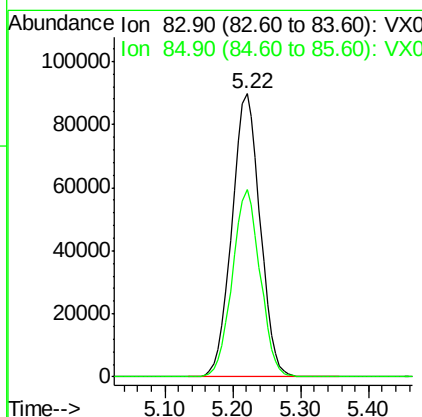
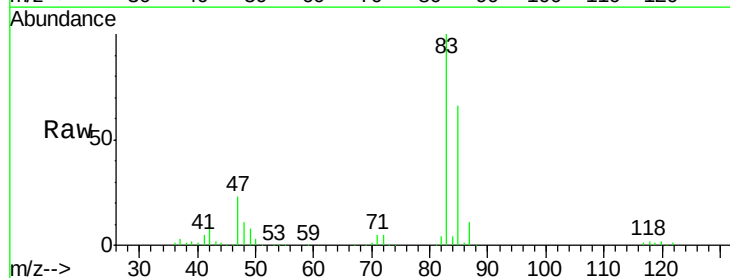
Manual Integrations
APPROVED

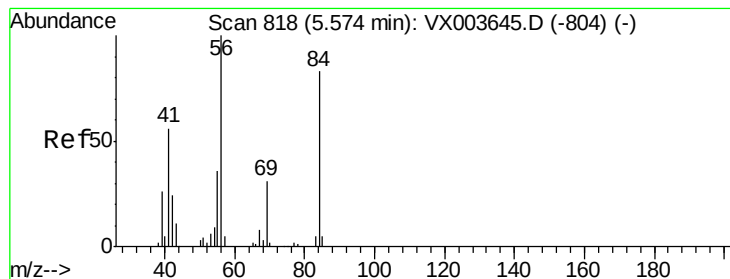
MMDadoda
8/2/2018 11:54:17 AM



#30
Chloroform
Concen: 108.085 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.2	75.4





#31

Cyclohexane

Concen: 112.515 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

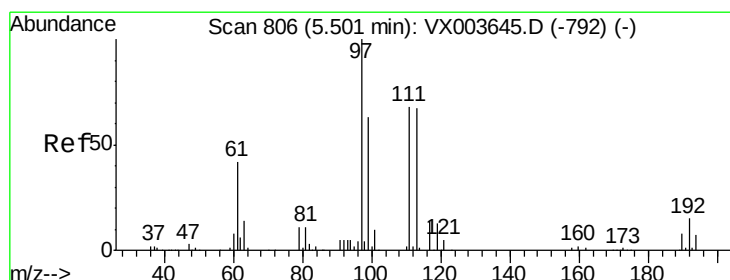
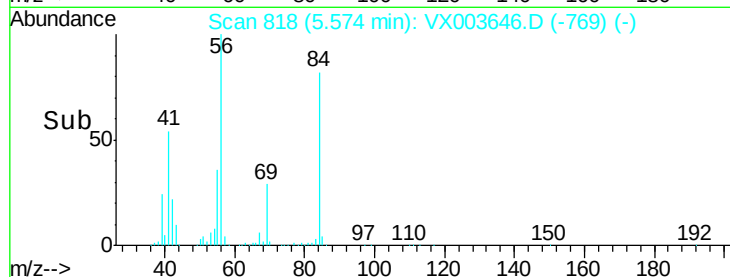
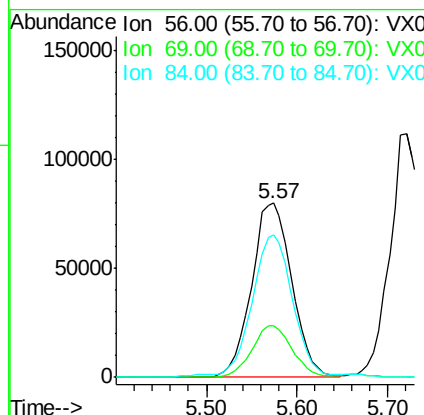
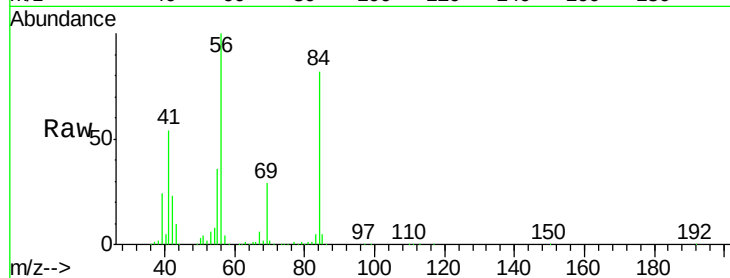
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	245877
Ion	Ratio	Lower	Upper
56	100		
69	29.3	25.0	37.6
84	80.9	66.5	99.7

Manual Integrations
APPROVED

MMDadoda
8/2/2018 11:54:17 AM



#32

1,1,1-Trichloroethane

Concen: 109.849 ug/l

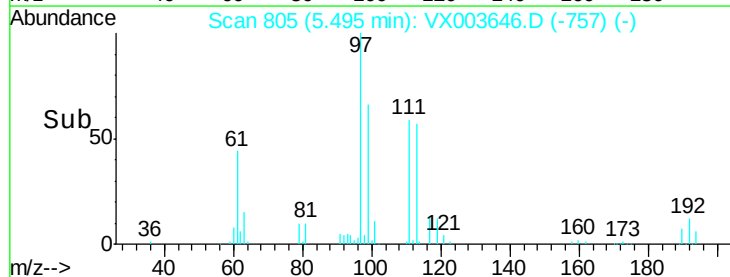
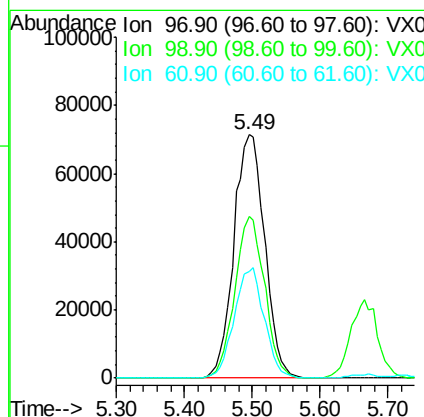
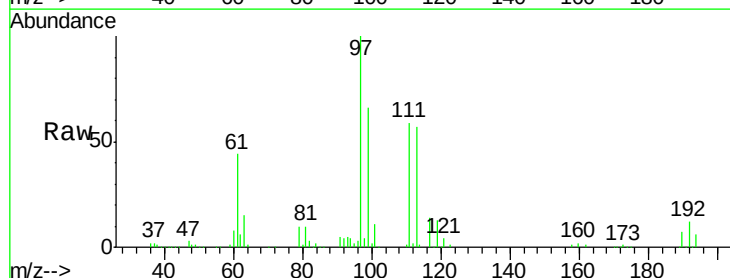
RT: 5.49 min Scan# 805

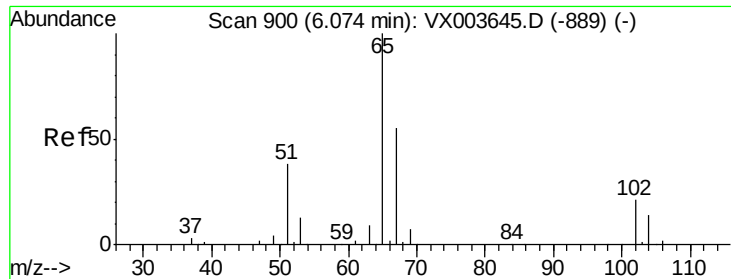
Delta R.T. -0.01 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Tgt Ion:	97	Resp:	224850
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.4	75.6
61	44.1	34.5	51.7





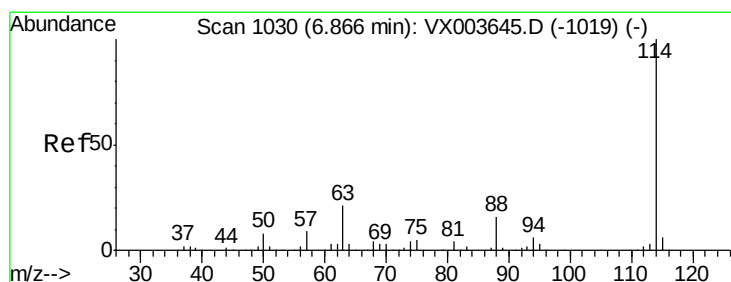
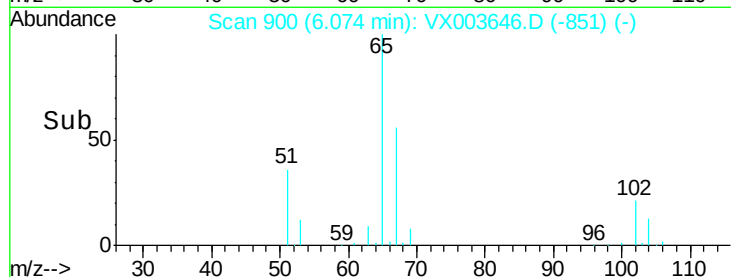
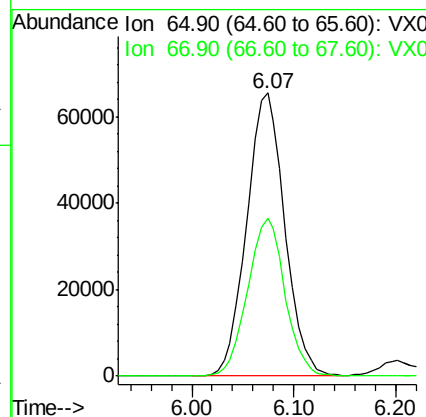
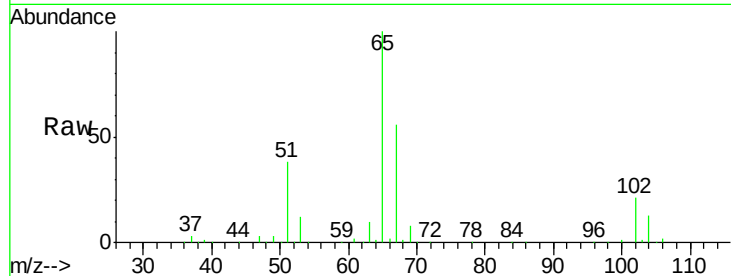
#33
 1,2-Dichloroethane-d4
 Concen: 114.055 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	107.8

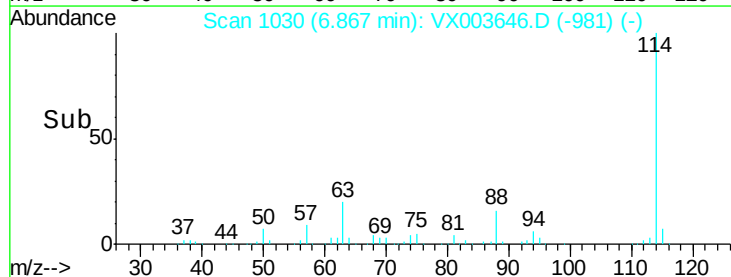
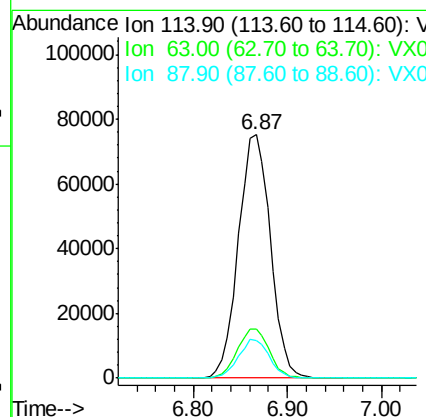
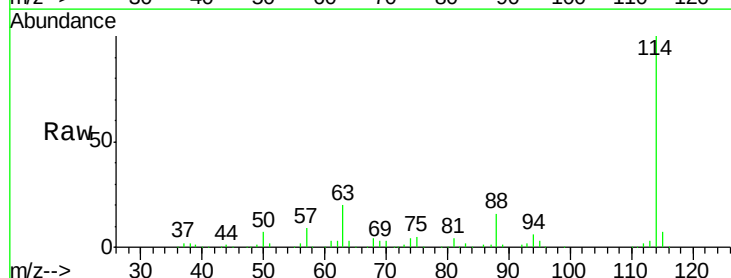
Manual Integrations
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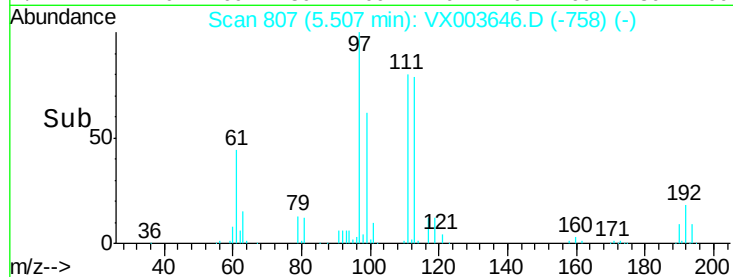
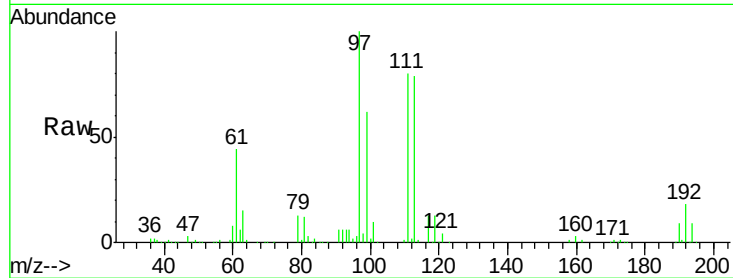
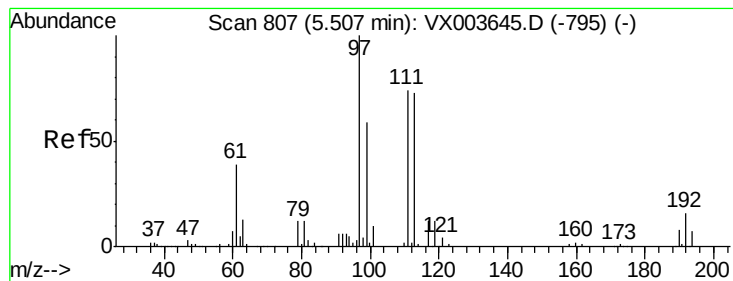
MMDadoda
 8/2/2018 11:54:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.0
88	15.6	0.0	31.8





#35

Dibromofluoromethane

Concen: 100.404 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003646.D

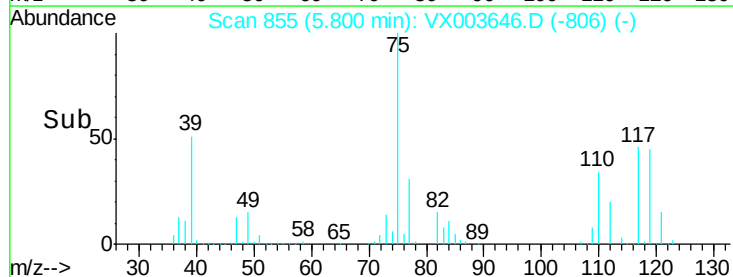
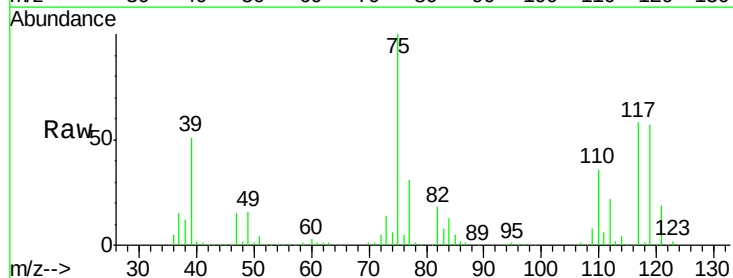
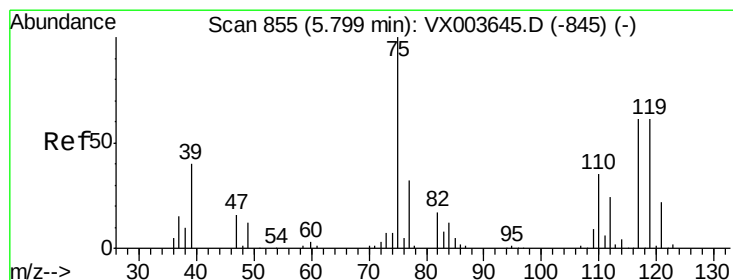
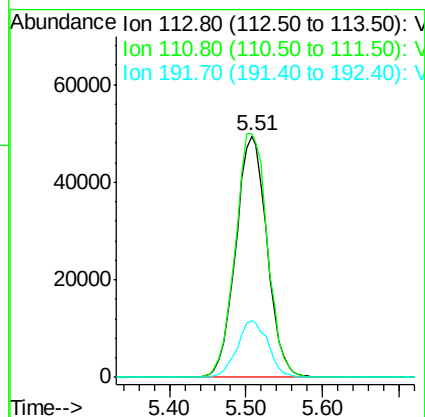
Acq: 24 Jul 2018 18:02

Tot Ion:	113	Resp:	139647
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.2	121.8
192	23.4	18.2	27.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
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MMDadoda
8/2/2018 11:54:17 AM



#36

1,1-Dichloropropene

Concen: 103.224 ug/l

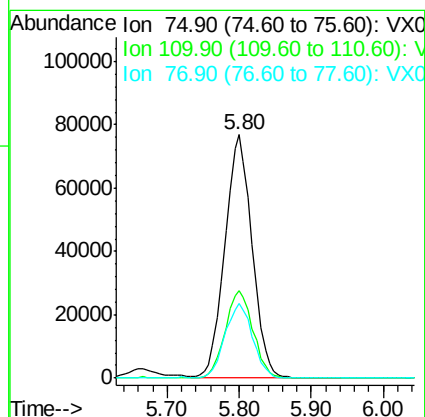
RT: 5.80 min Scan# 855

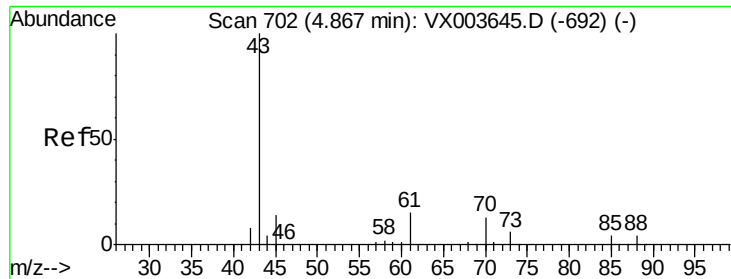
Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Tgt Ion:	75	Resp:	202129
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.1	54.1
77	31.1	25.1	37.7





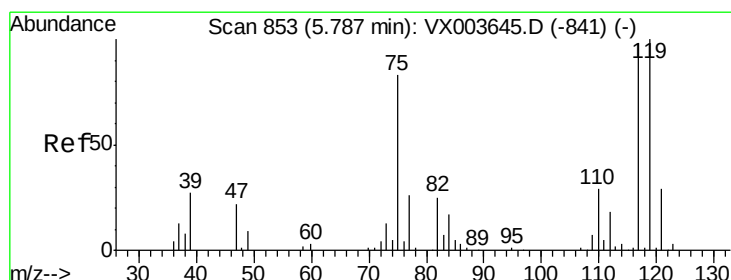
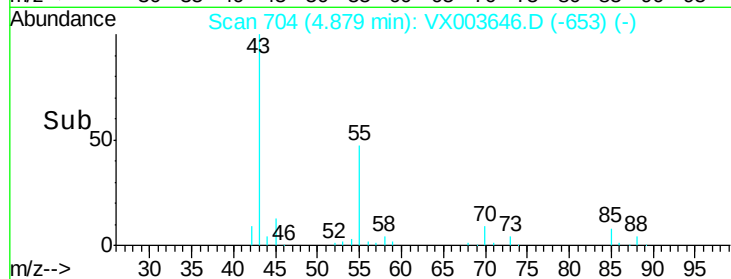
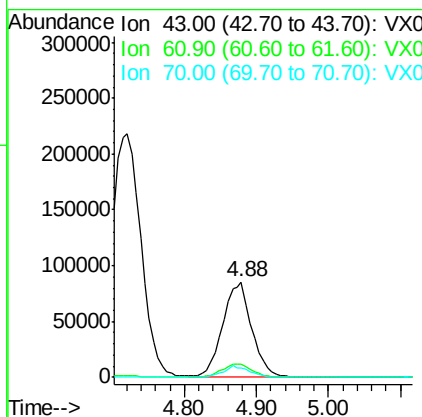
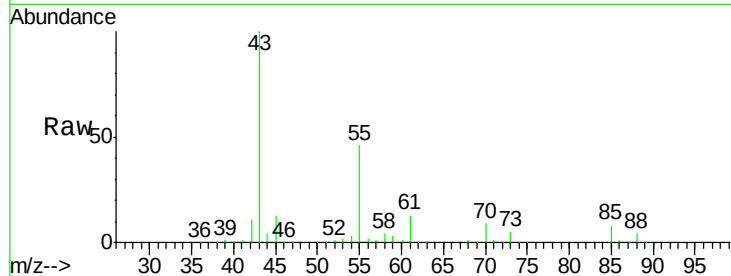
#37
Ethyl Acetate
Concen: 122.926 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	10.7	8.6	12.8

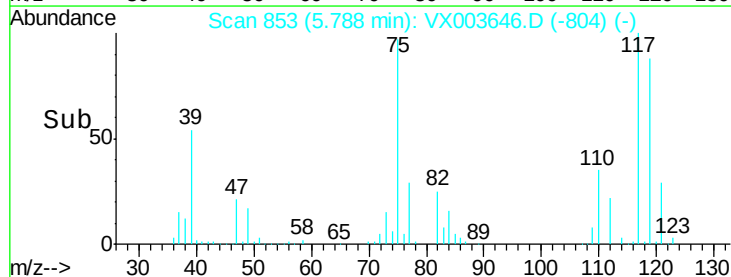
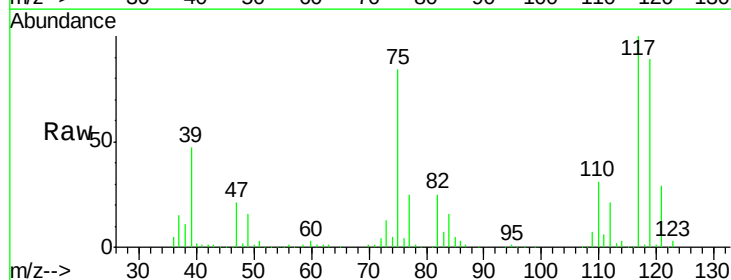
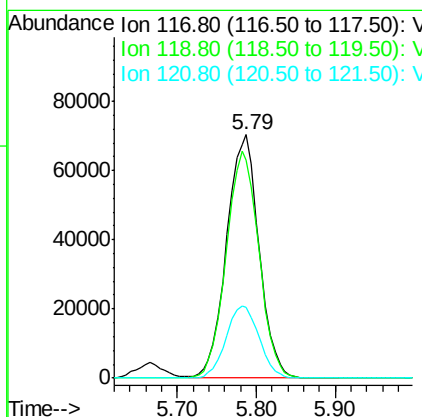
Manual Integrations
APPROVED

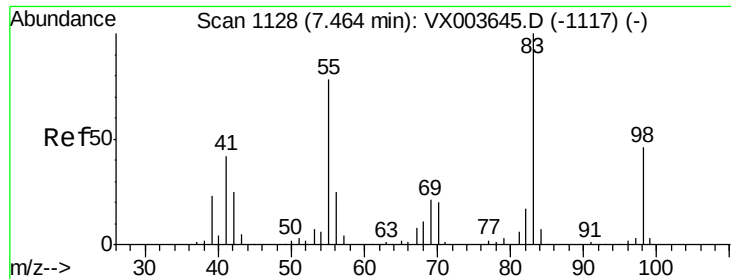
MMDadoda
8/2/2018 11:54:17 AM



#38
Carbon Tetrachloride
Concen: 104.977 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.4	81.0	121.4
121	29.2	23.7	35.5





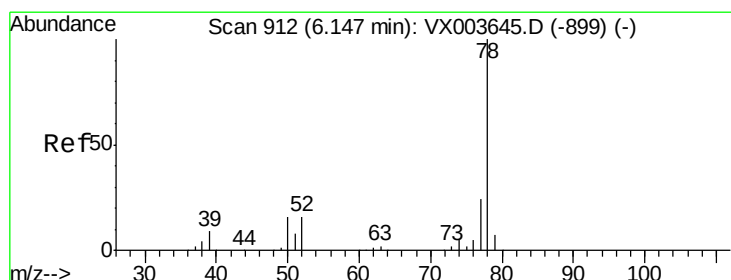
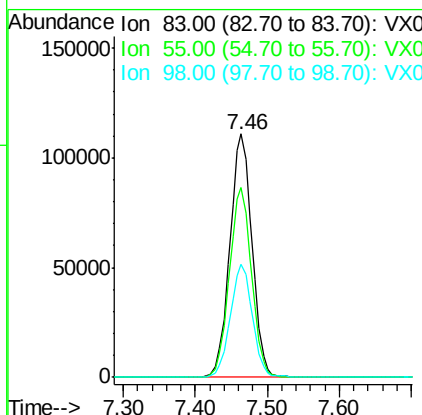
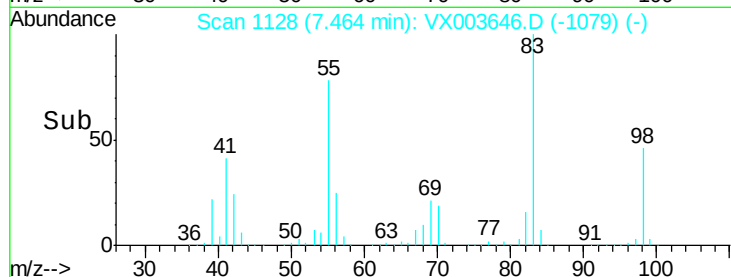
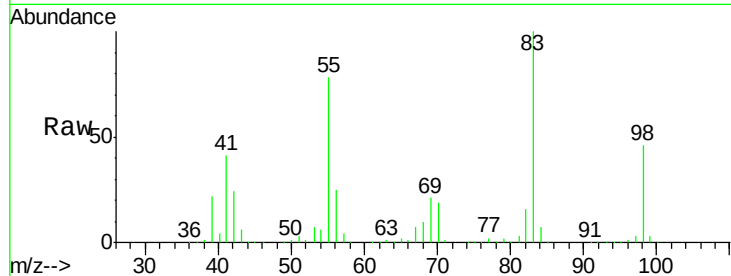
#39
Methylvlcyclohexane
Concen: 102.341 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	237312		
55	77.9	62.6	93.8	
98	46.2	36.6	55.0	

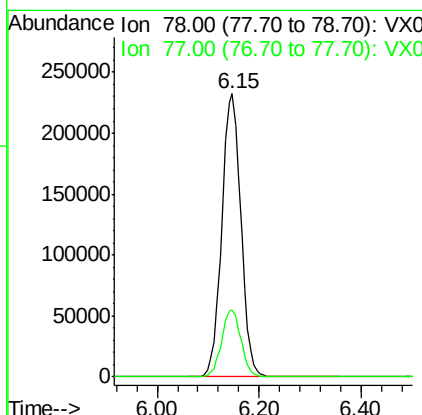
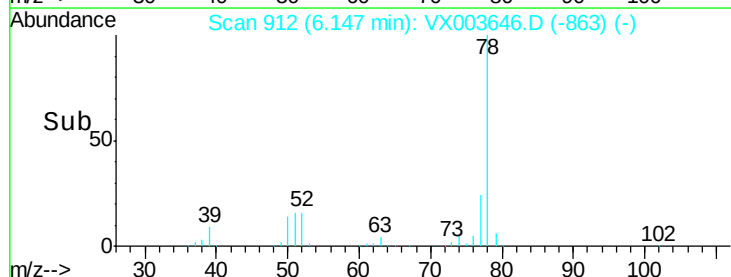
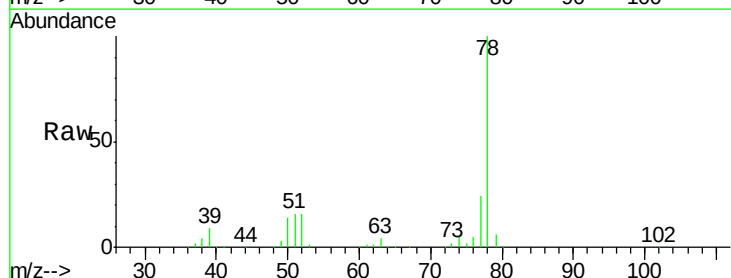
Manual Integrations
APPROVED

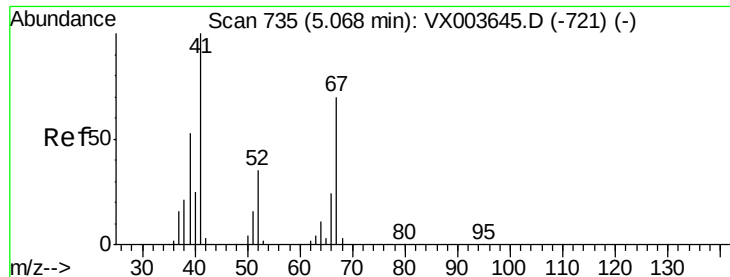
MMDadoda
8/2/2018 11:54:17 AM



#40
Benzene
Concen: 101.462 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	602350		
77	23.8	19.0	28.6	





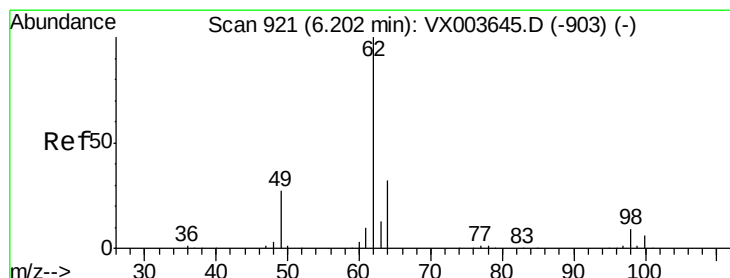
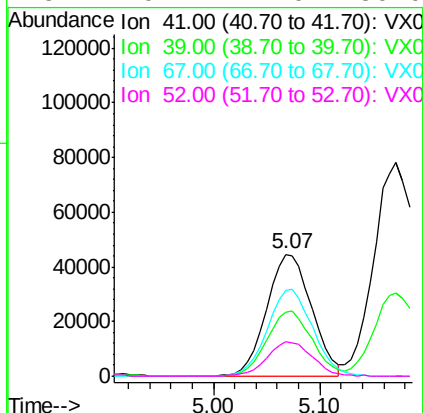
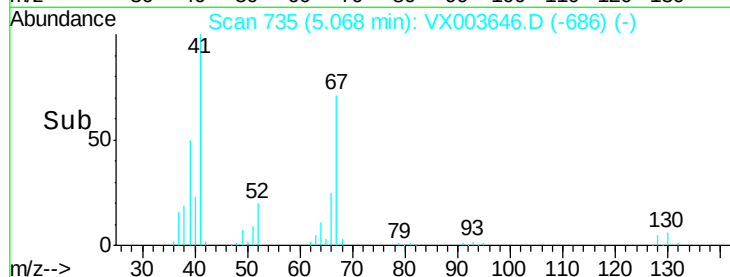
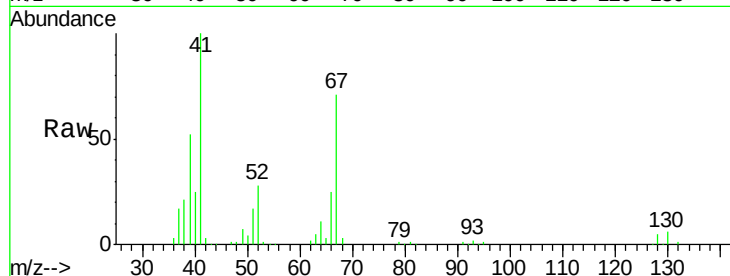
#41
Methacrylonitrile
Concen: 115.294 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	42.2	63.4	
67	72.0	56.6	84.8	
52	29.4	24.0	36.0	

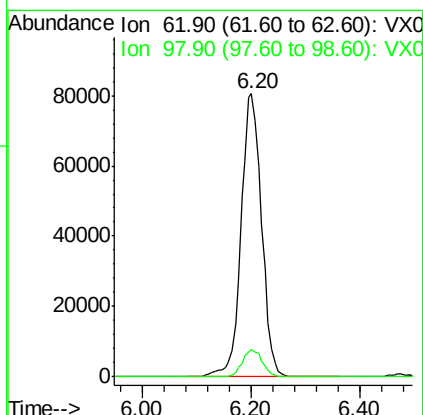
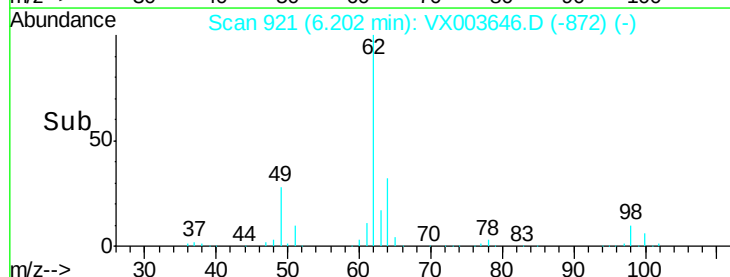
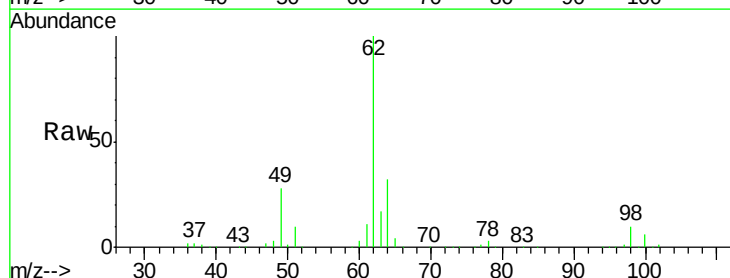
Manual Integrations
APPROVED

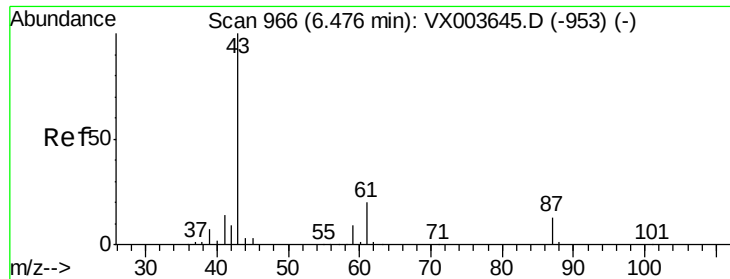
MMDadoda
8/2/2018 11:54:17 AM



#42
1,2-Dichloroethane
Concen: 110.653 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	18.4	





#43

Isopropyl Acetate

Concen: 119.180 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

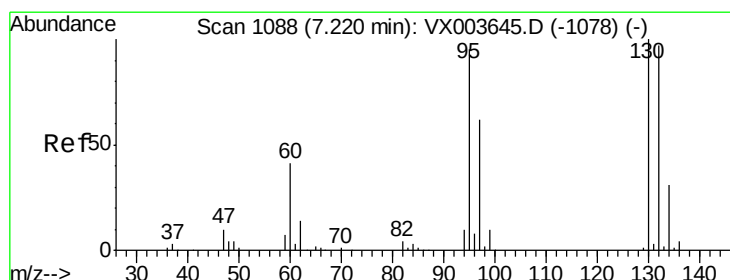
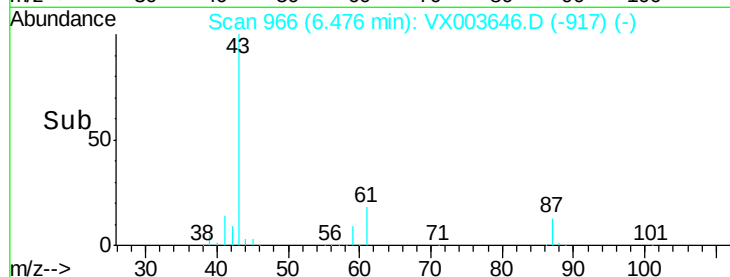
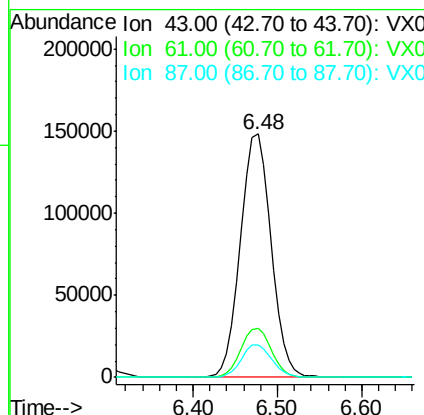
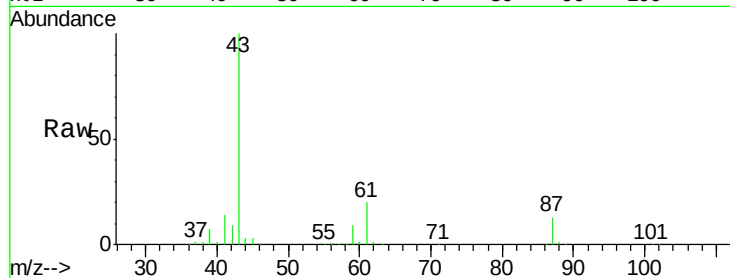
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	364756
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.9	23.9
87	13.3	10.1	15.1

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#44

Trichloroethene

Concen: 90.778 ug/l

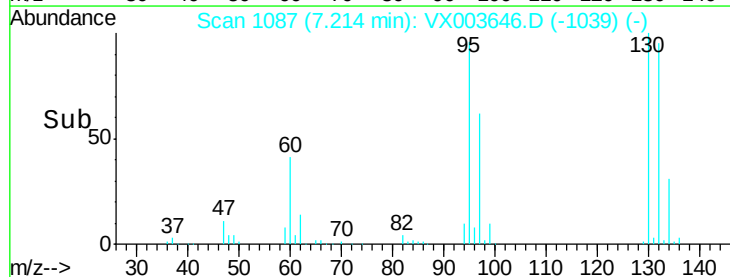
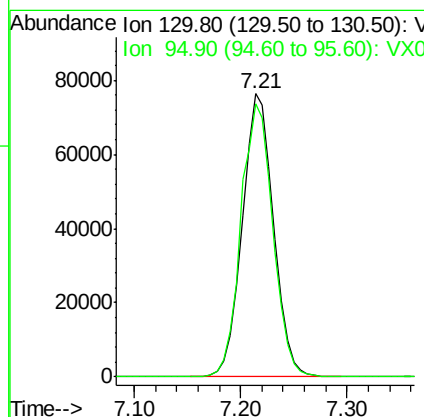
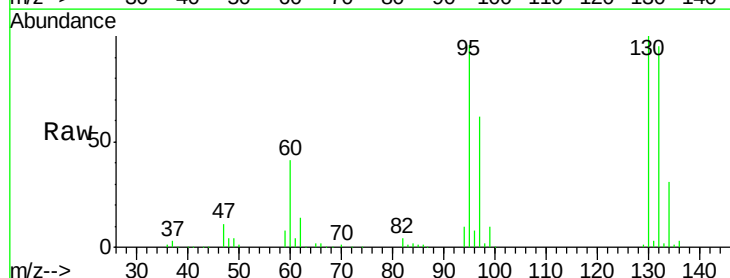
RT: 7.21 min Scan# 1087

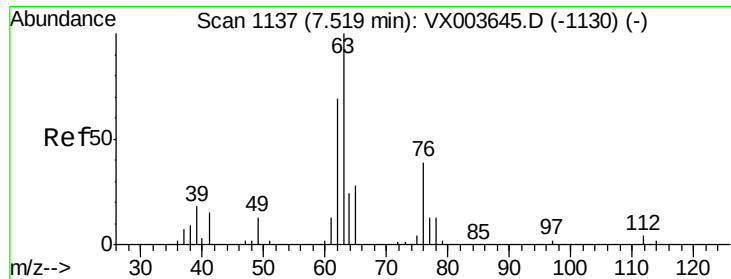
Delta R.T. -0.01 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Tgt Ion:	130	Resp:	157456
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	190.0





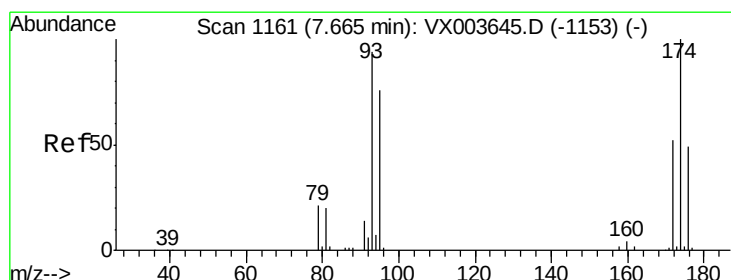
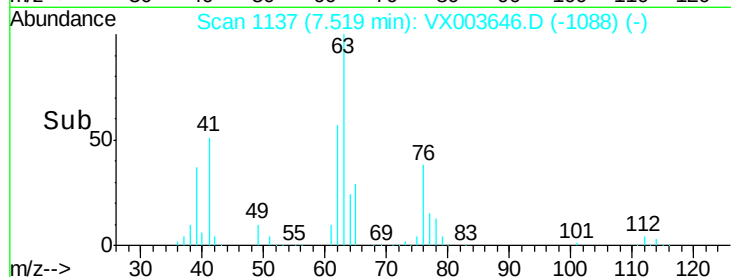
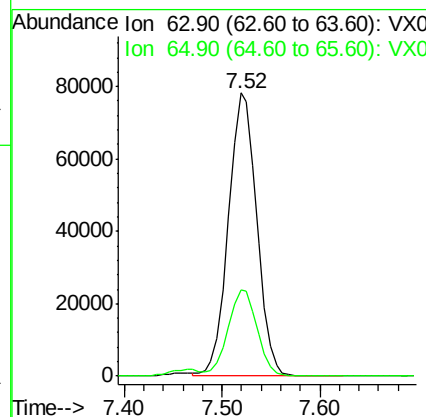
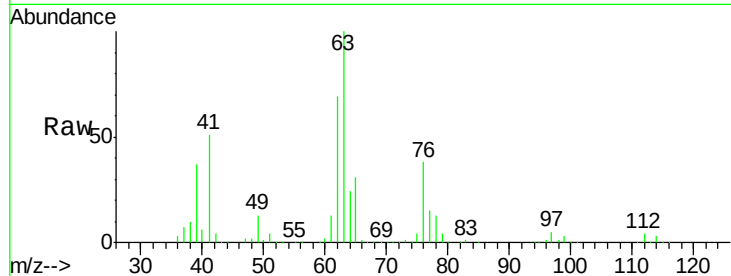
#45
 1,2-Dichloropropane
 Concen: 104.091 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 157411
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.0 36.0

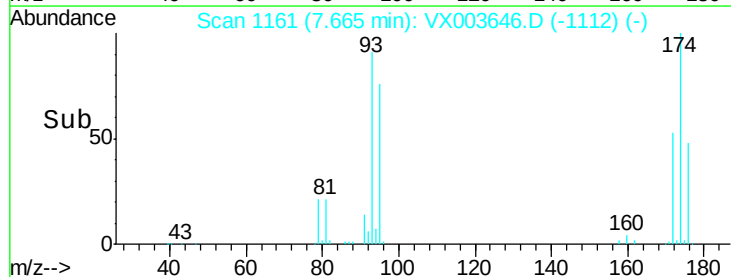
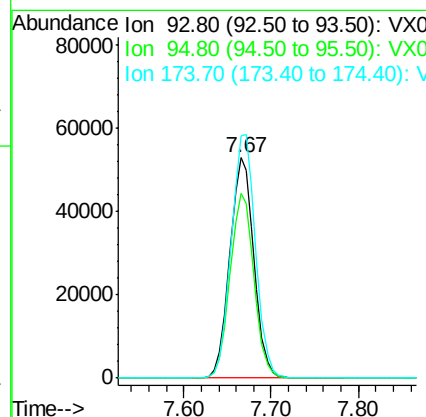
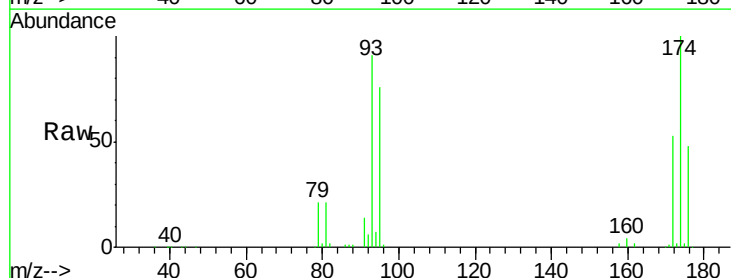
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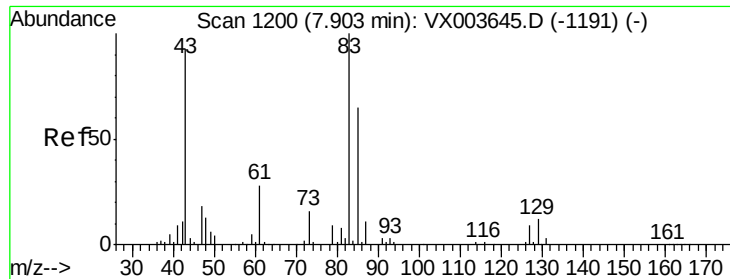
MMDadoda
 8/2/2018 11:54:17 AM



#46
 Dibromomethane
 Concen: 104.103 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Tgt Ion: 93 Resp: 100996
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 112.2 89.6 134.4





#47

Bromodichloromethane

Concen: 110.177 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

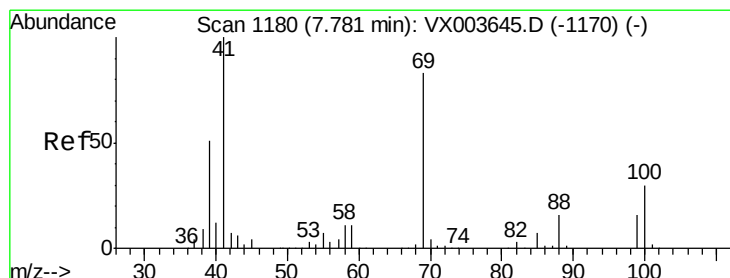
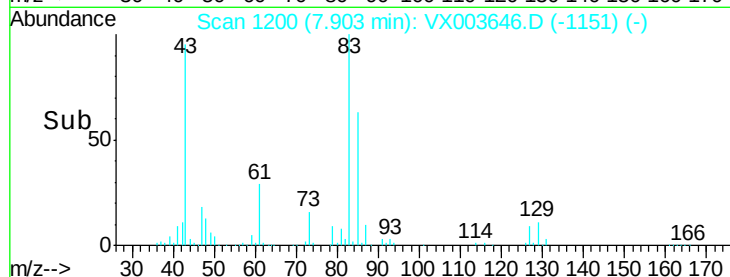
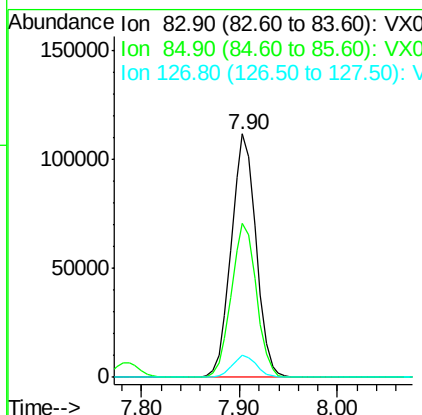
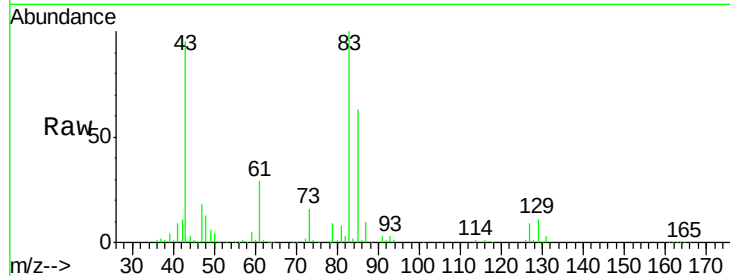
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	196460
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.8	77.6
127	8.9	7.0	10.6

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#48

Methyl methacrylate

Concen: 124.205 ug/l

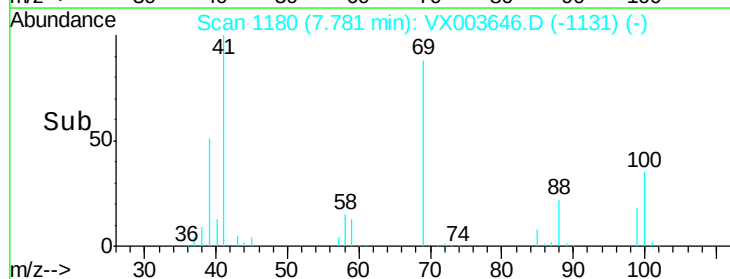
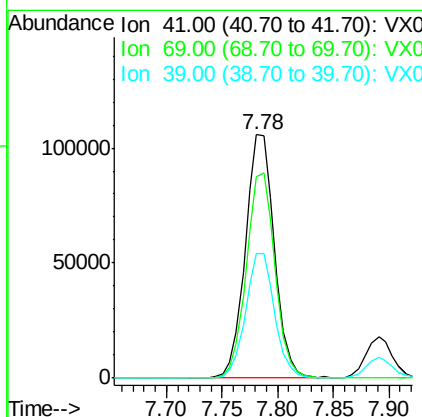
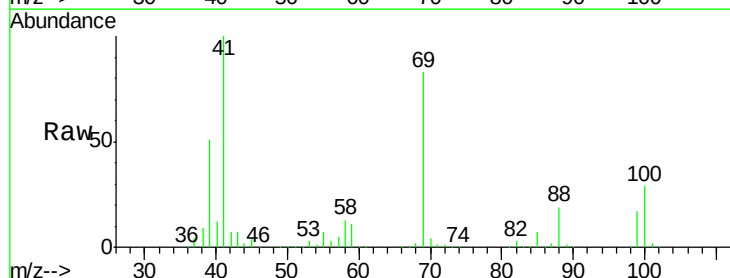
RT: 7.78 min Scan# 1180

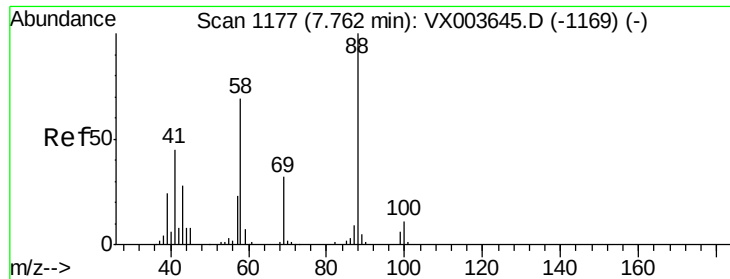
Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Tgt Ion:	41	Resp:	191974
Ion Ratio	Lower	Upper	
41	100		
69	83.3	66.9	100.3
39	51.2	41.2	61.8





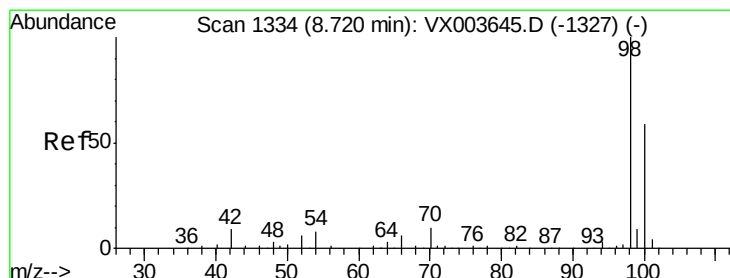
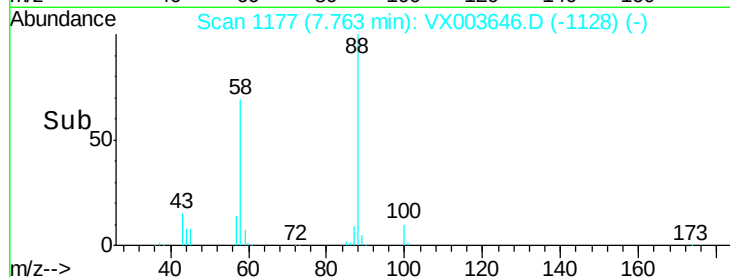
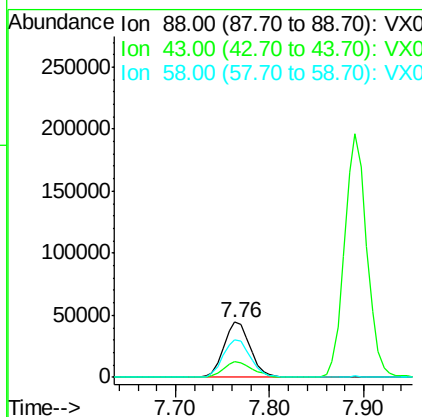
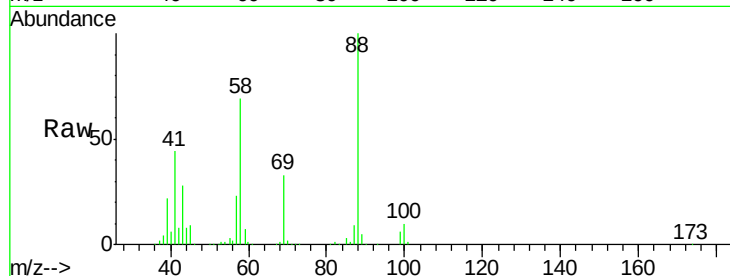
#49
1,4-Dioxane
Concen: 2477.245 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.8	38.6
58	71.1	58.3	87.5

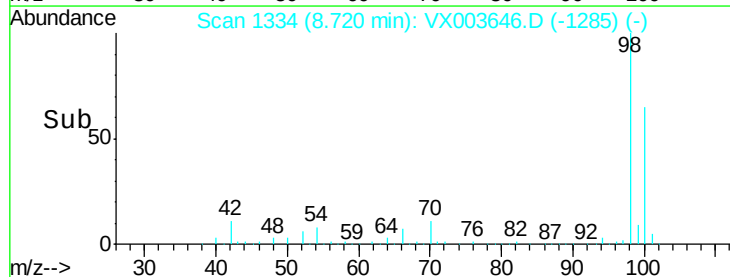
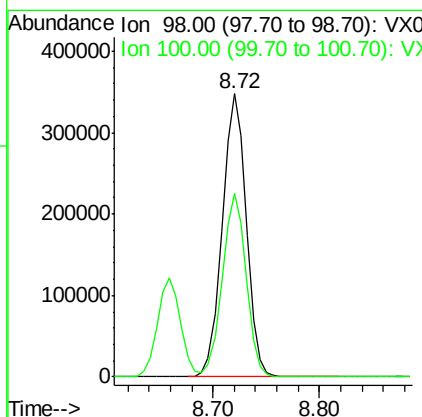
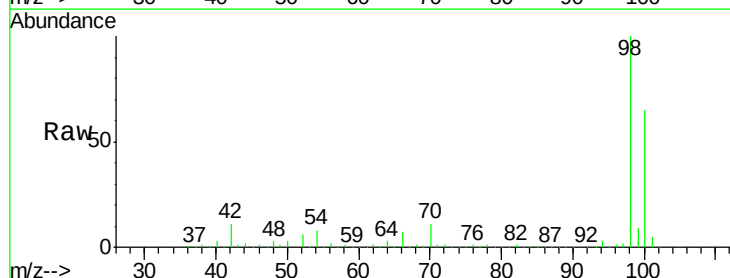
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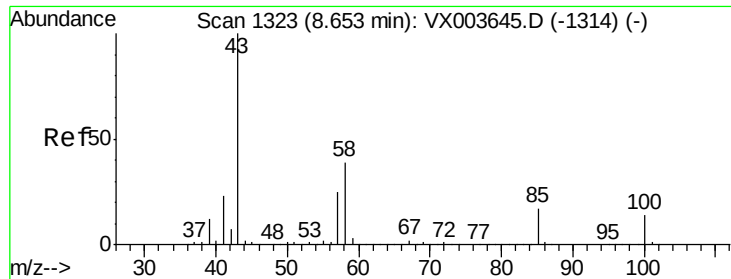
MMDadoda
8/2/2018 11:54:17 AM



#50
Toluene-d8
Concen: 104.363 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 643.872 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1256186

Ion Ratio Lower Upper

43 100

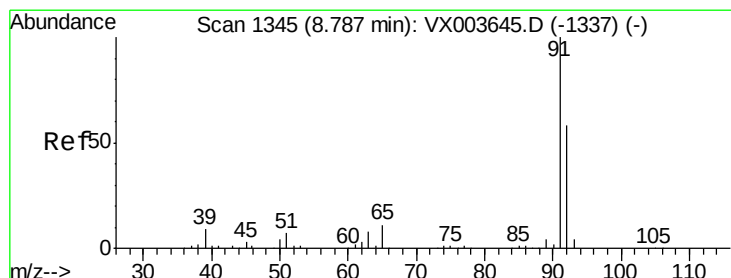
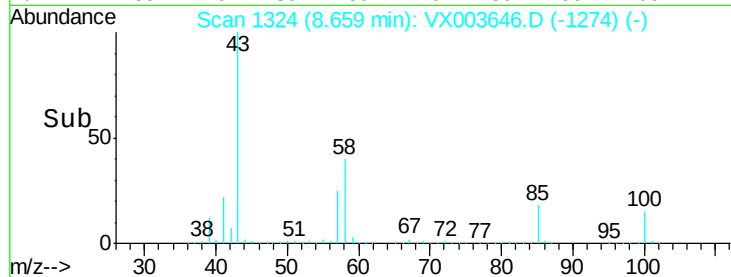
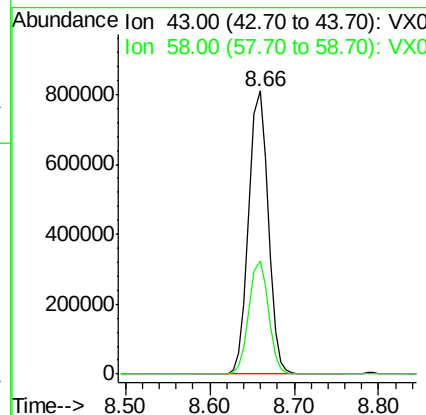
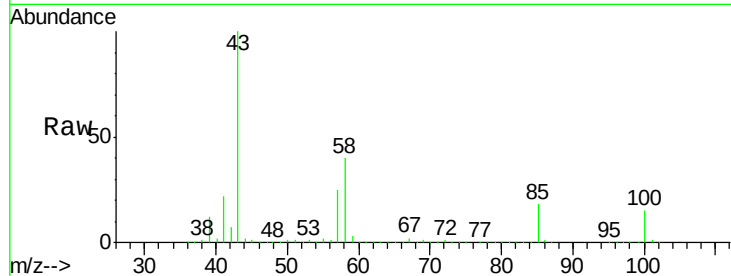
58 39.7 31.5 47.3

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8/2/2018 11:54:17 AM



#52

Toluene

Concen: 101.598 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003646.D

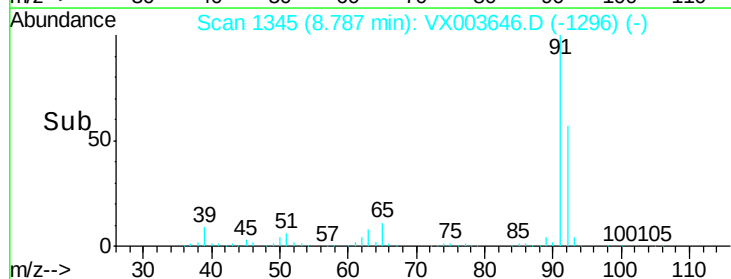
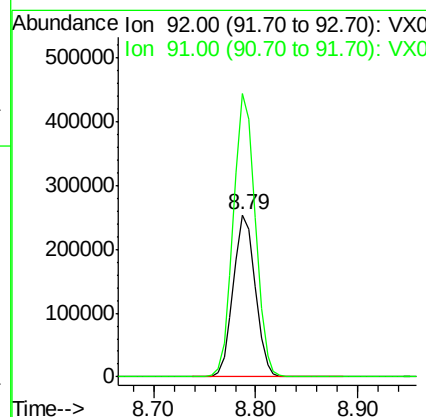
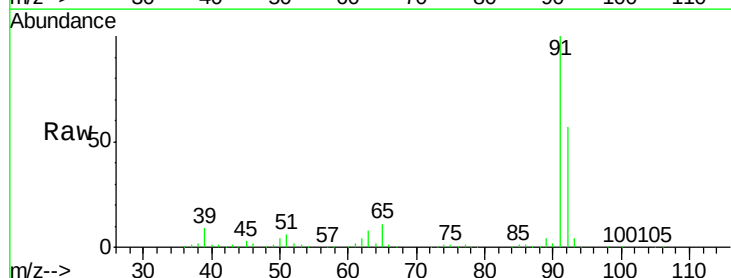
Acq: 24 Jul 2018 18:02

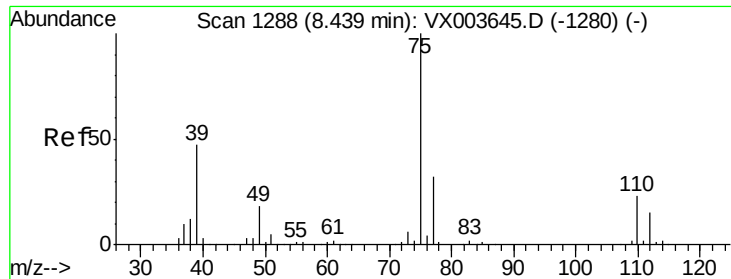
Tgt Ion: 92 Resp: 377742

Ion Ratio Lower Upper

92 100

91 174.5 139.0 208.6





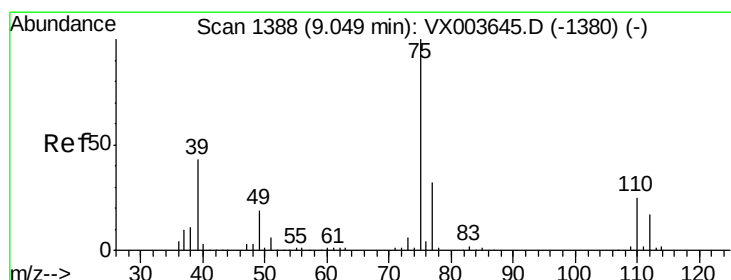
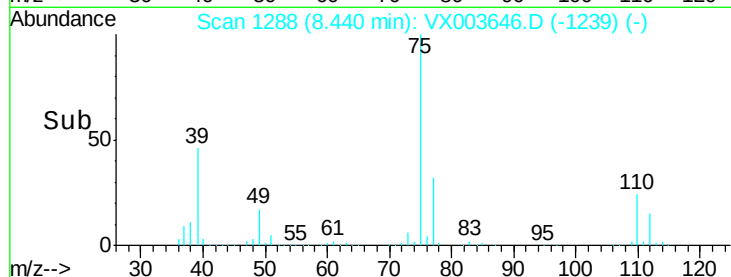
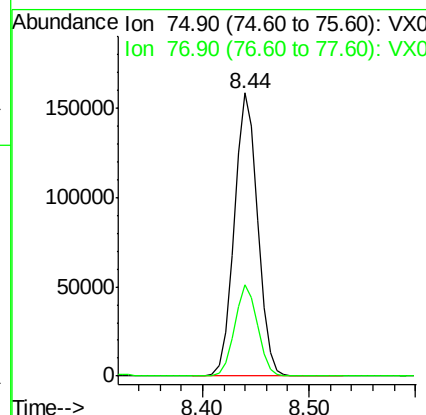
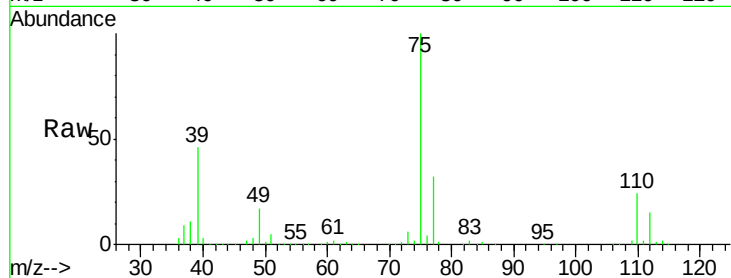
#53
 t-1,3-Dichloropropene
 Concen: 111.721 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 244434
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.2 37.8

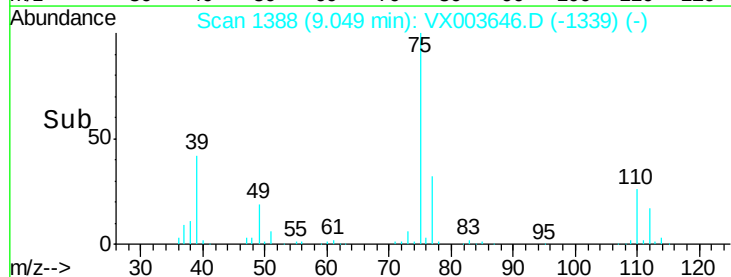
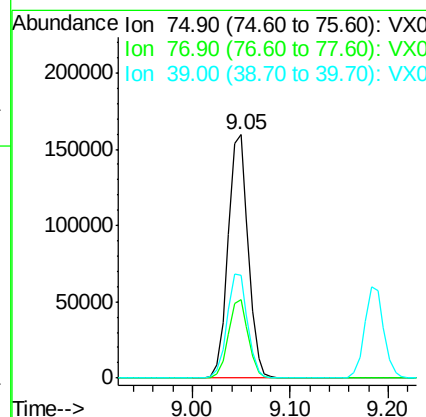
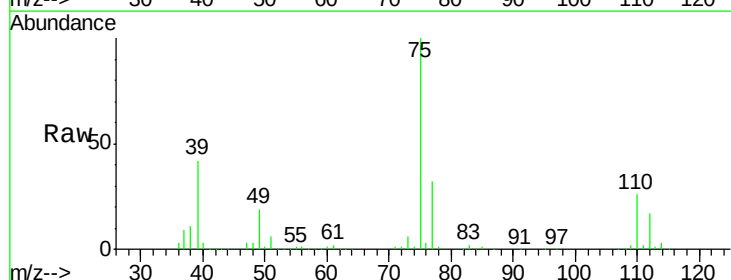
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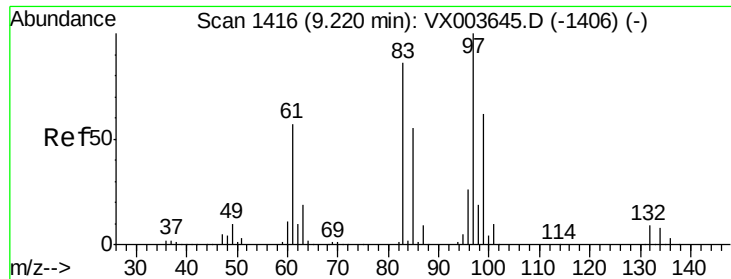
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 115.072 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Tgt Ion: 75 Resp: 227025
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.6
 39 42.2 34.2 51.4





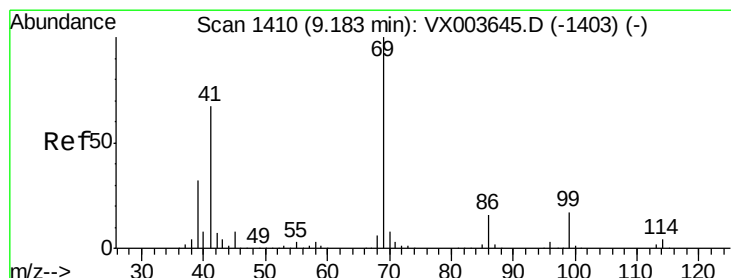
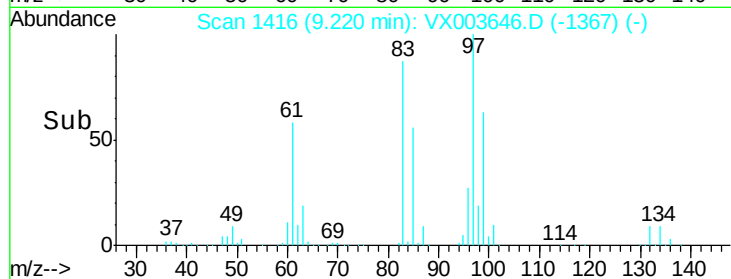
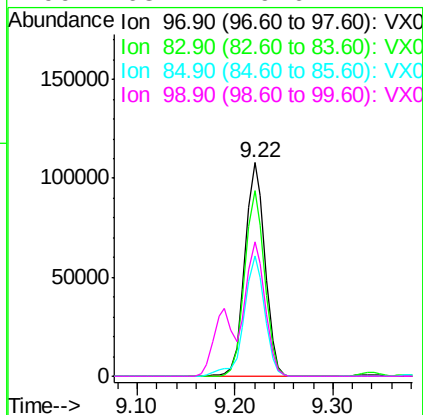
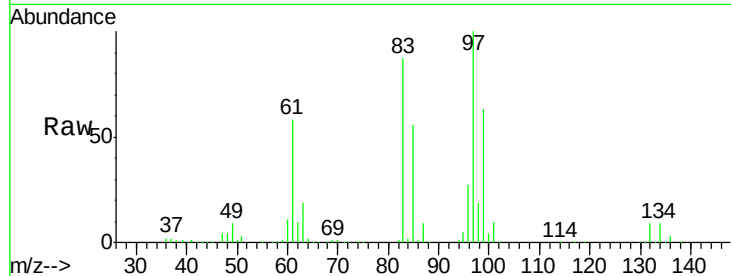
#55
 1,1,2-Trichloroethane
 Concen: 103.745 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	154345
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	56.3	43.7	65.5
99	63.1	49.6	74.4

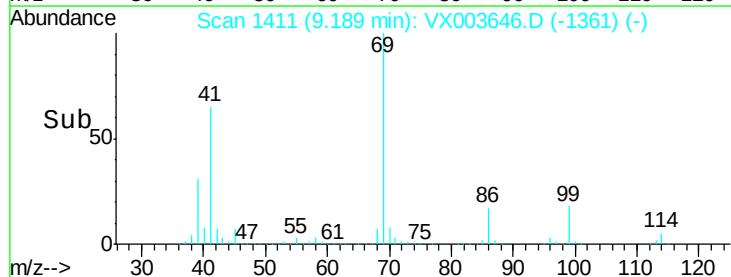
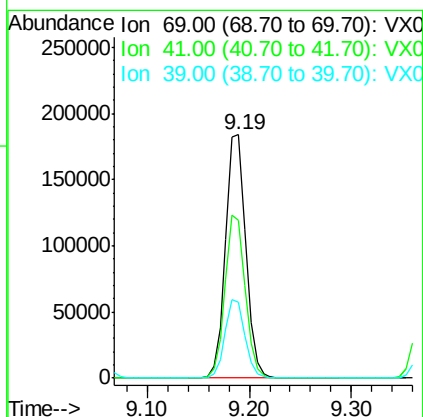
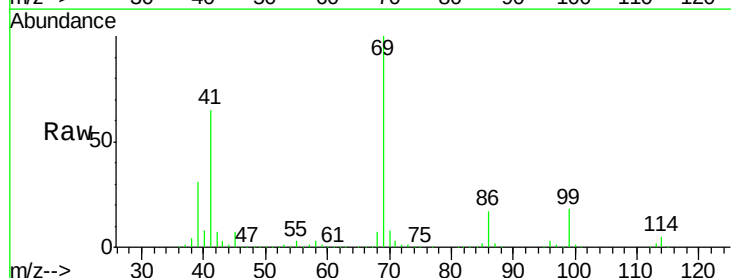
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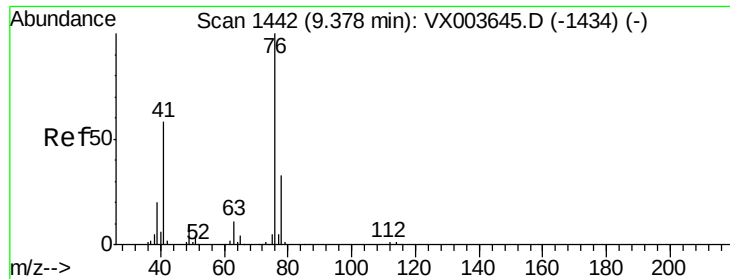
MMDadoda
 8/2/2018 11:54:17 AM



#56
 Ethyl methacrylate
 Concen: 119.775 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Tgt Ion:	69	Resp:	253787
Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.8	80.6
39	32.0	25.8	38.8





#57

1,3-Dichloropropane

Concen: 107.589 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 260133

Ion Ratio Lower Upper

76 100

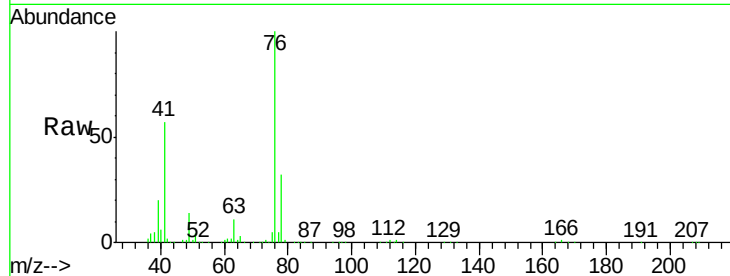
78 31.9 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

200000

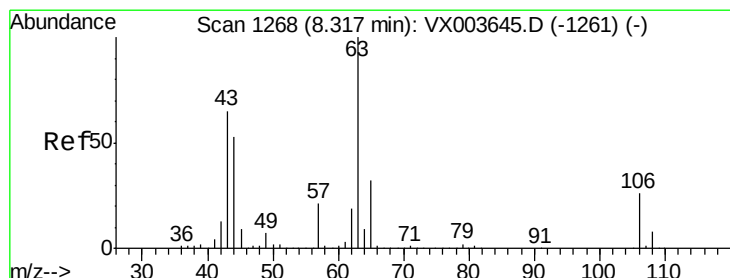
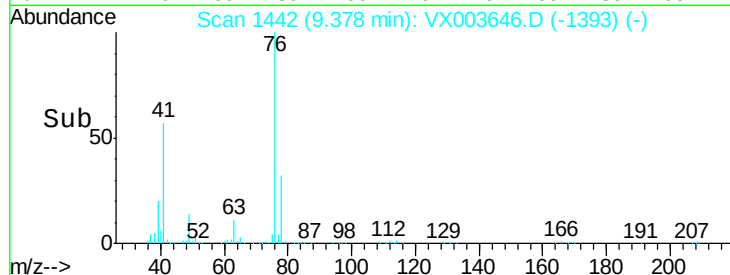
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 597.333 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX003646.D

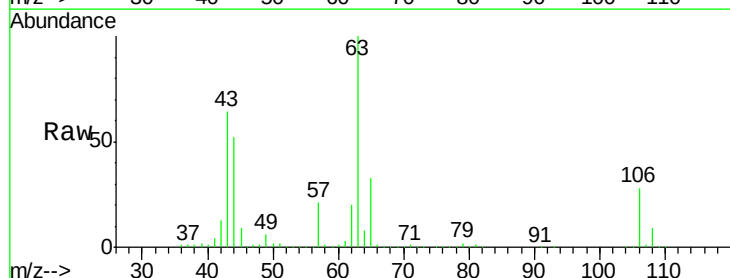
Acq: 24 Jul 2018 18:02

Tgt Ion: 63 Resp: 622229

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

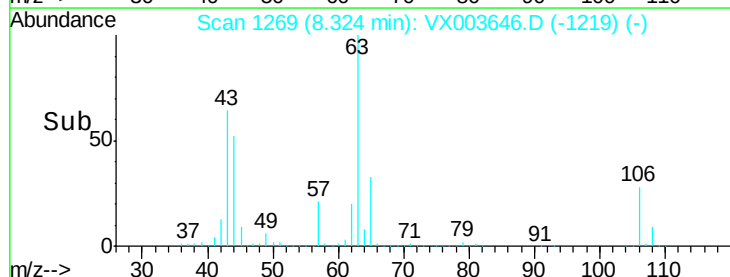
300000

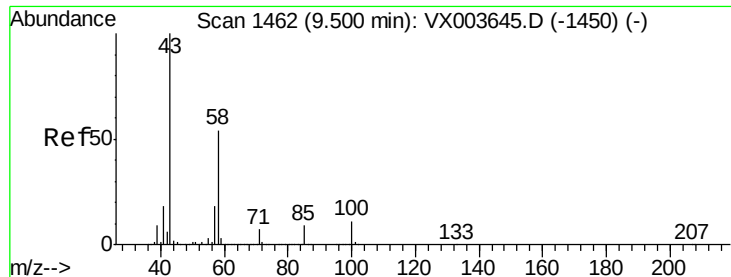
200000

100000

0

Time-->





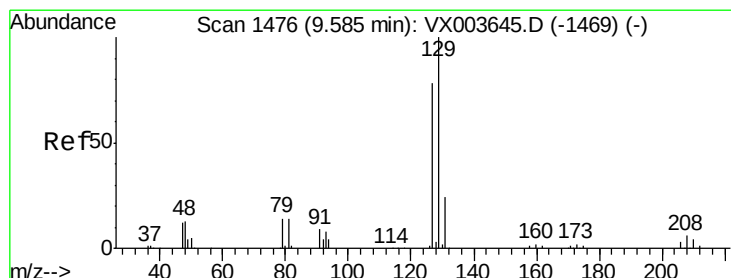
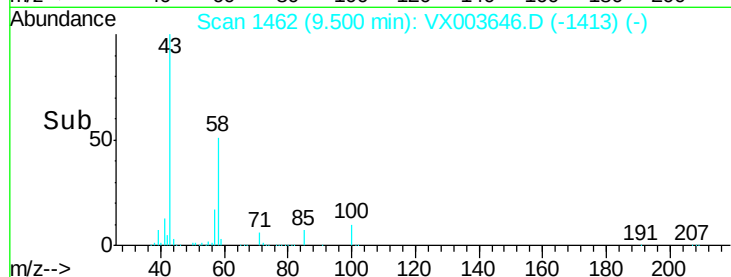
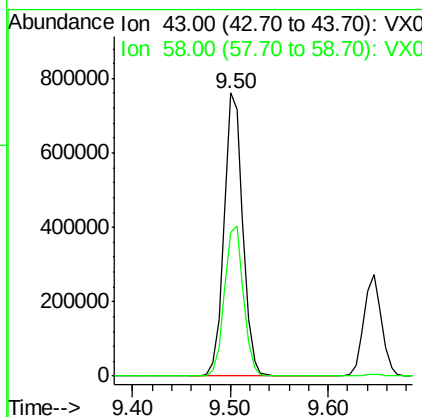
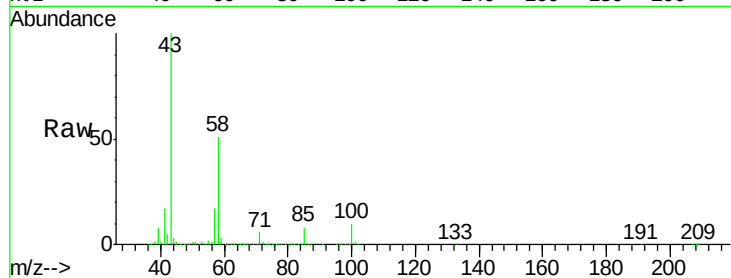
#59
2-Hexanone
Concen: 687.708 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1002396
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.9

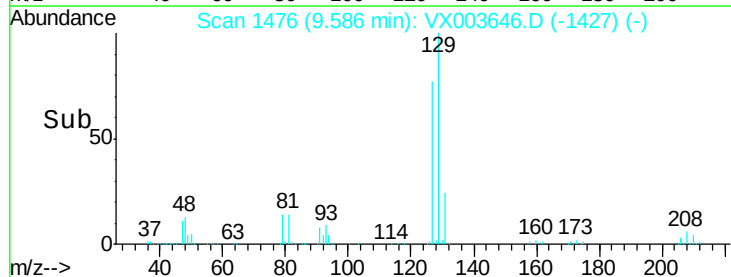
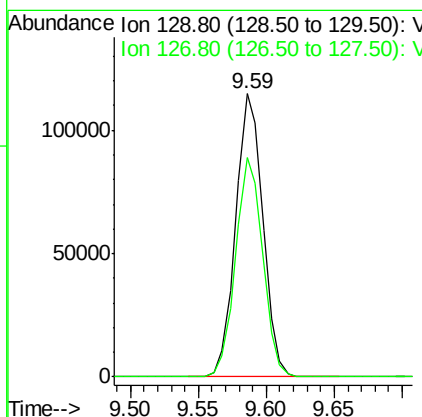
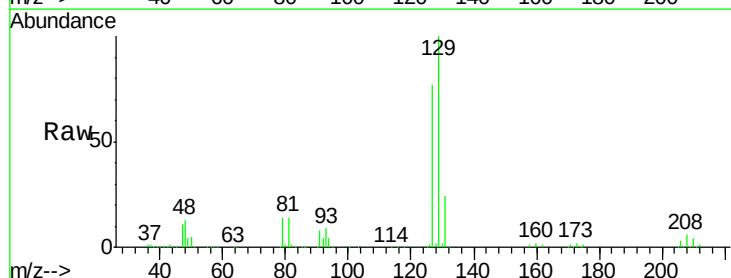
Manual Integrations
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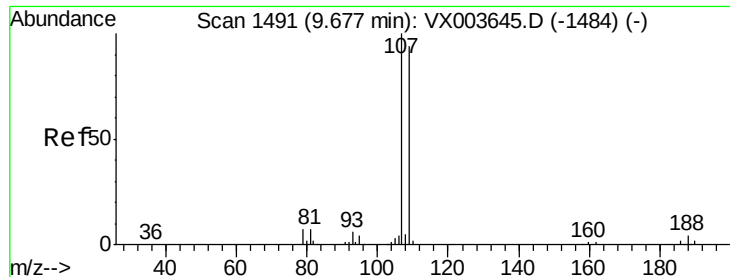
MMDadoda
8/2/2018 11:54:17 AM



#60
Dibromochloromethane
Concen: 109.351 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion: 129 Resp: 159886
Ion Ratio Lower Upper
129 100
127 77.2 38.7 116.1





#61

1,2-Dibromoethane

Concen: 105.869 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 163158

Ion Ratio Lower Upper

107 100

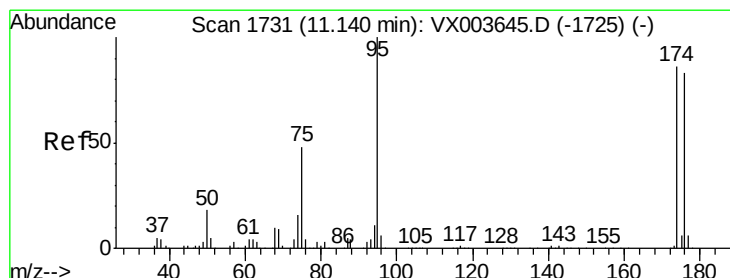
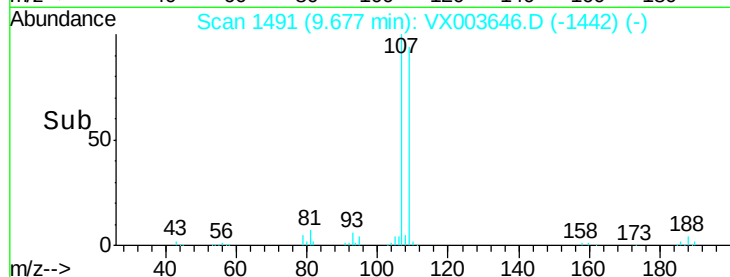
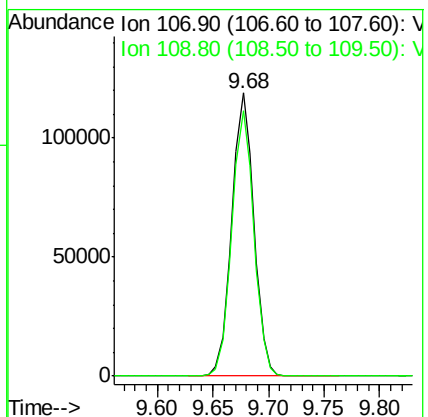
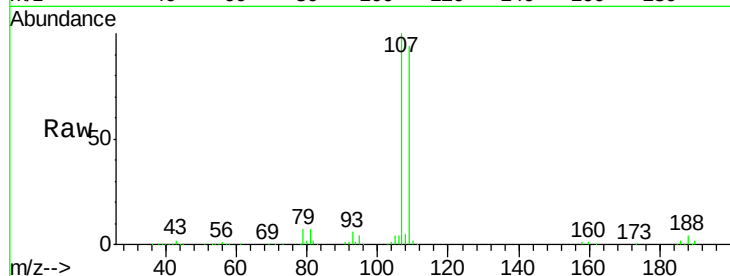
109 93.9 75.4 113.2

Manual Integrations

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8/2/2018 11:54:17 AM



#62

4-Bromofluorobenzene

Concen: 107.724 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

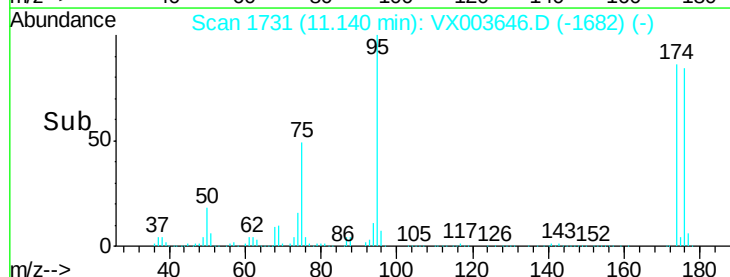
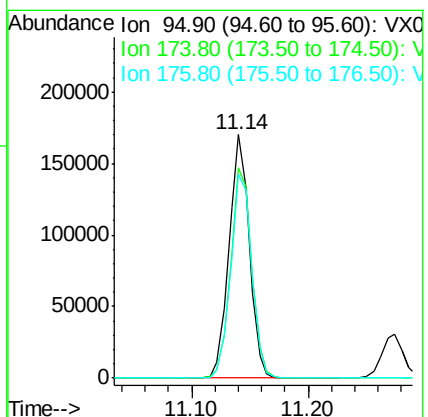
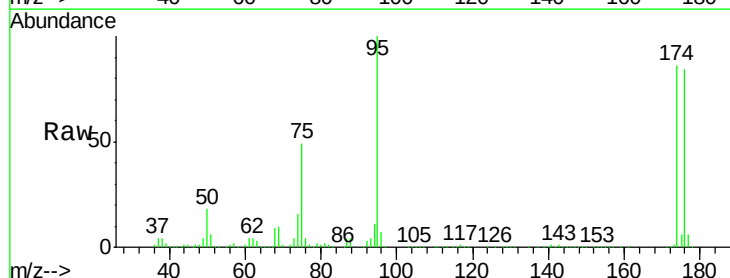
Tgt Ion: 95 Resp: 205742

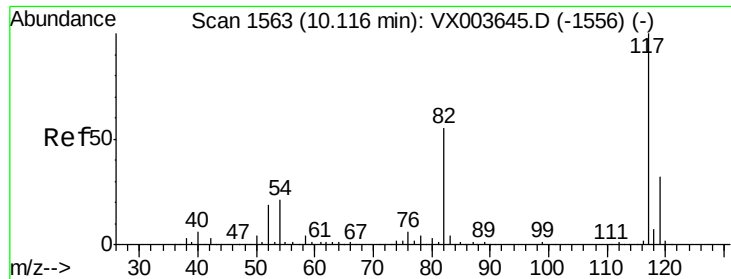
Ion Ratio Lower Upper

95 100

174 89.4 0.0 179.0

176 87.2 0.0 173.0





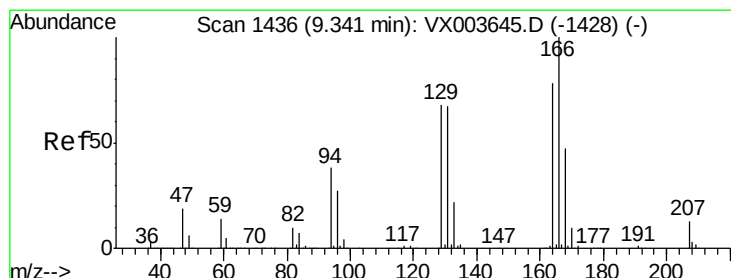
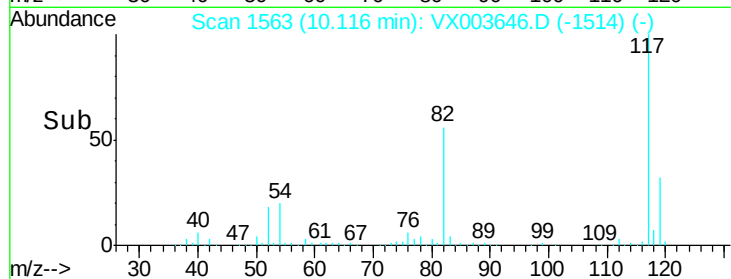
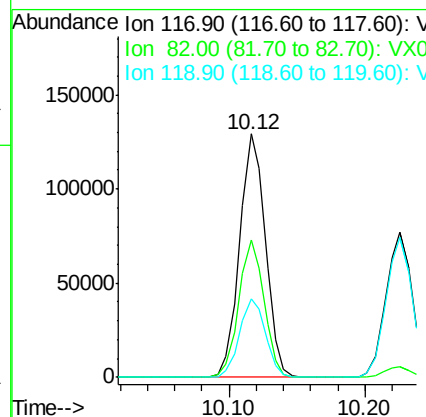
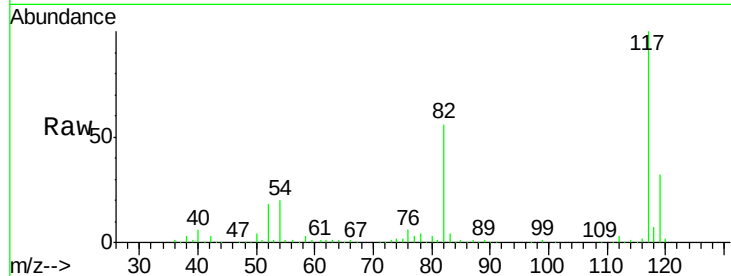
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.3	66.5
119	32.3	25.6	38.4

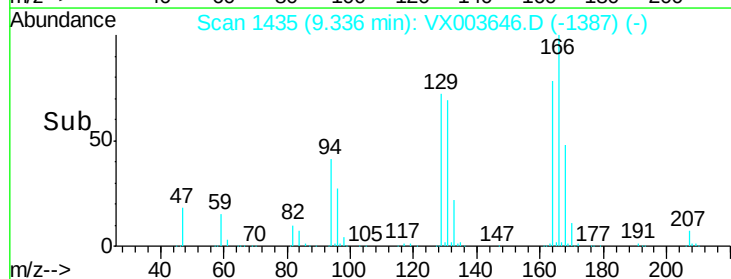
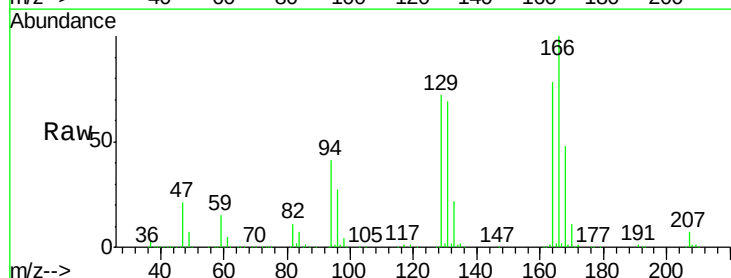
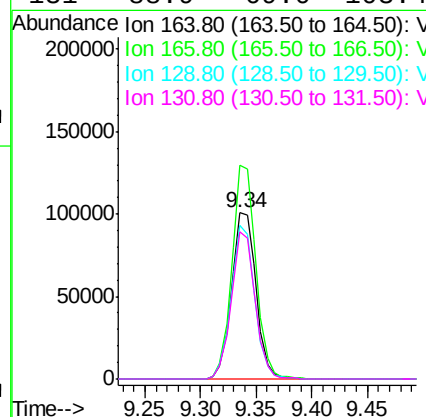
Manual Integrations
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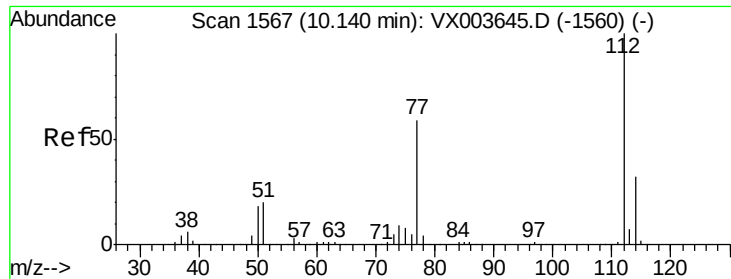
MMDadoda
8/2/2018 11:54:17 AM



#64
Tetrachloroethene
Concen: 76.056 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.4	153.6
129	92.4	69.6	104.4
131	88.9	69.0	103.4





#65

Chlorobenzene

Concen: 96.505 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 425459

Ion Ratio Lower Upper

112 100

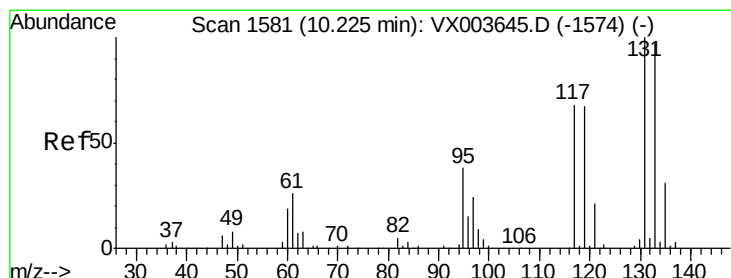
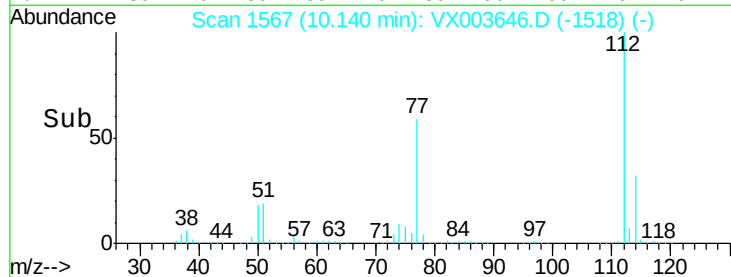
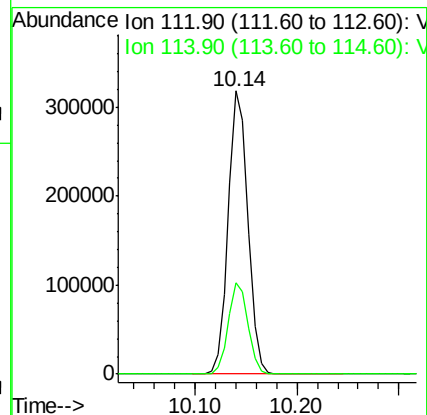
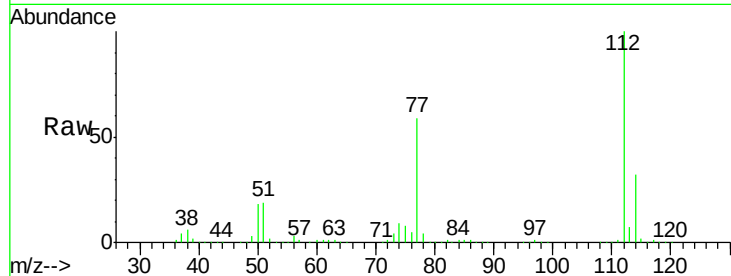
114 32.3 25.8 38.8

Manual Integrations

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8/2/2018 11:54:17 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 100.699 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

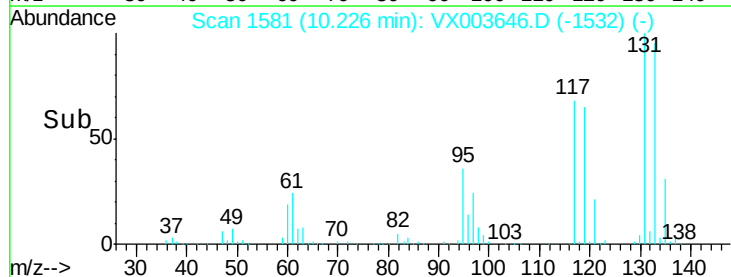
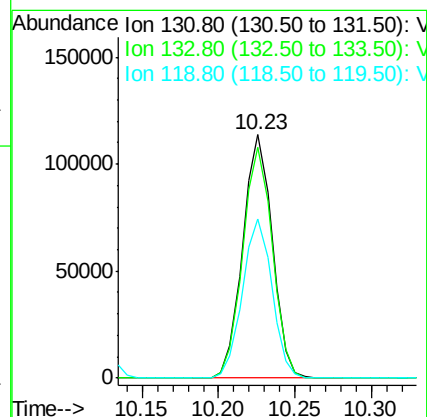
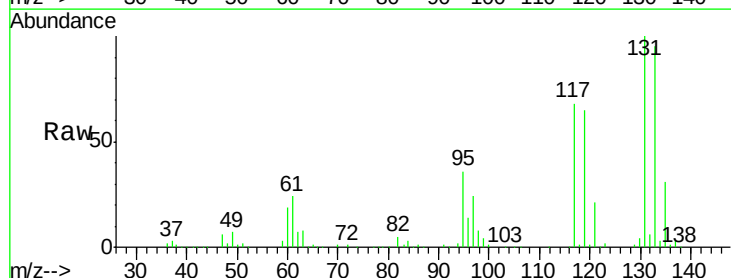
Tgt Ion:131 Resp: 152701

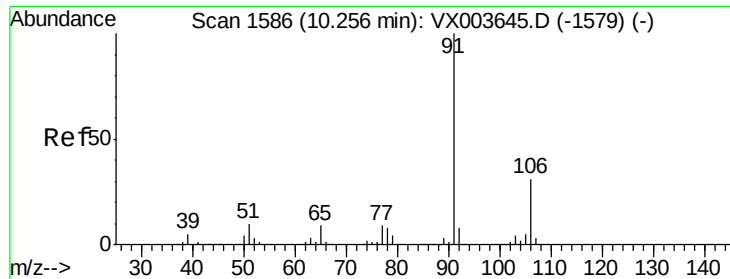
Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.8

119 65.3 32.8 98.4





#67

Ethyl Benzene

Concen: 103.875 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 742677

Ion Ratio Lower Upper

91 100

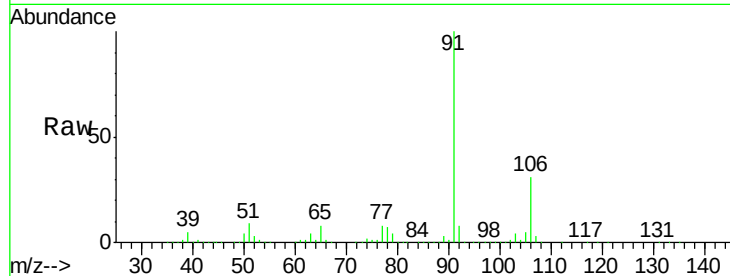
106 31.3 25.0 37.6

Manual Integrations

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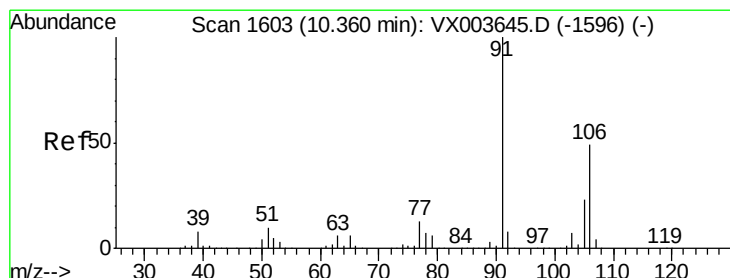
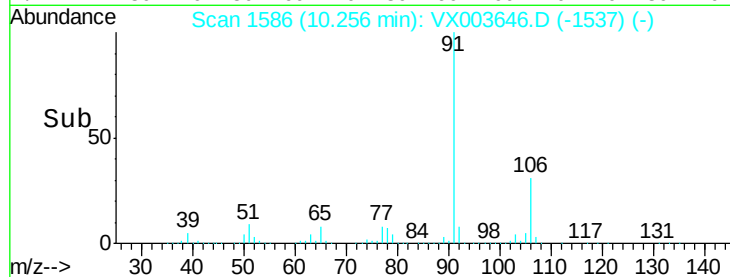
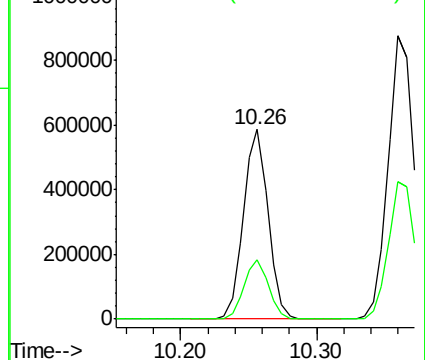
MMDadoda

8/2/2018 11:54:17 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 205.909 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003646.D

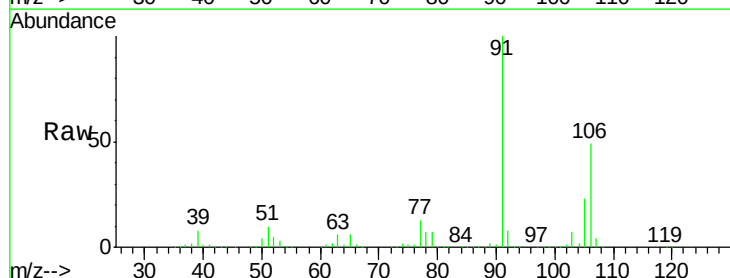
Acq: 24 Jul 2018 18:02

Tgt Ion: 106 Resp: 575126

Ion Ratio Lower Upper

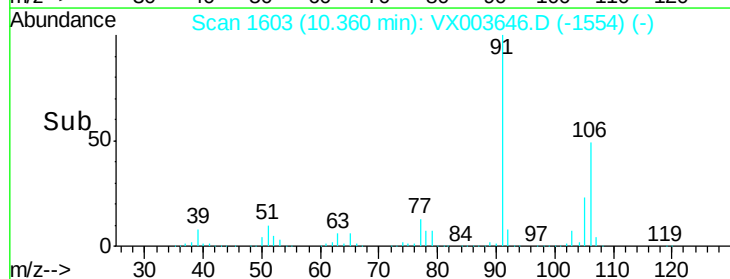
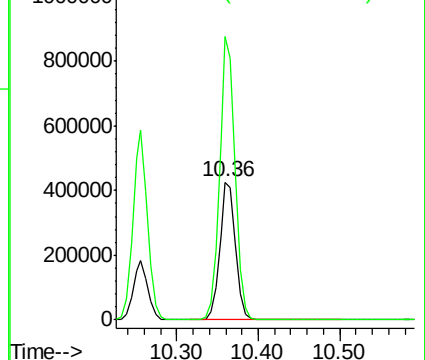
106 100

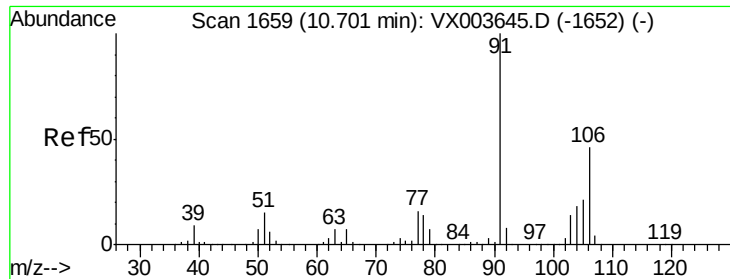
91 202.7 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





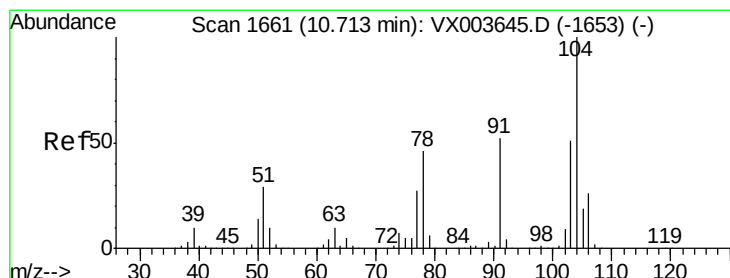
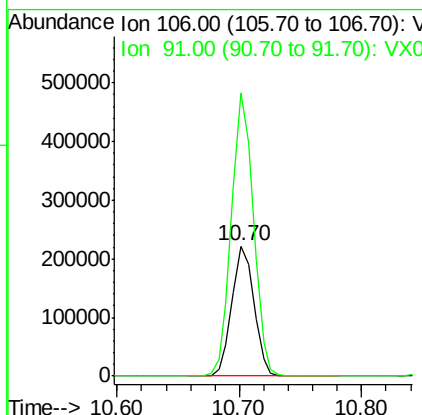
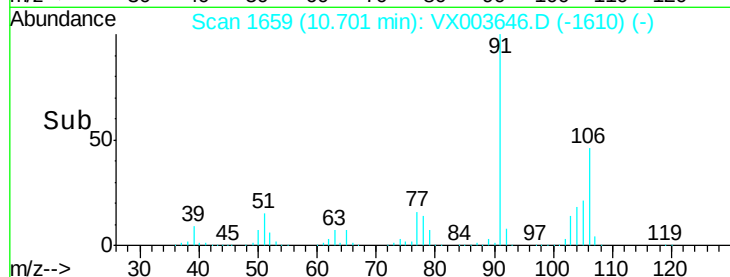
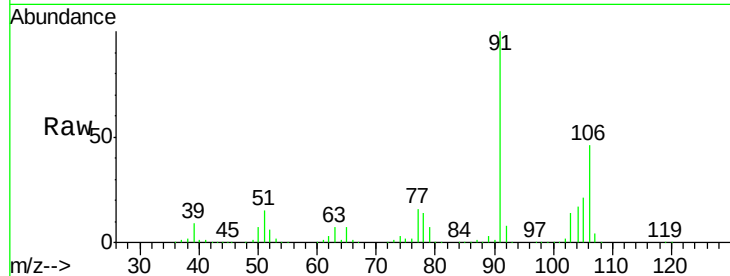
#69
o-Xylene
Concen: 102.982 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 277695
Ion Ratio Lower Upper
106 100
91 215.3 107.1 321.1

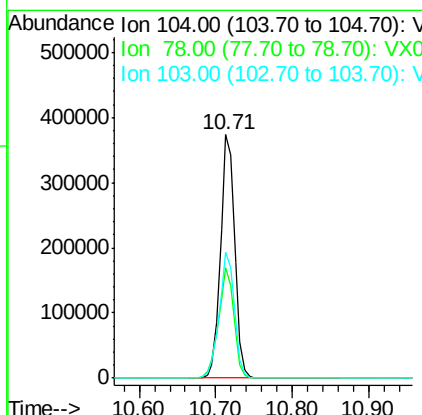
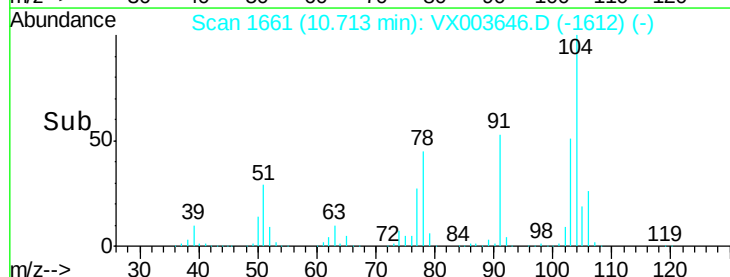
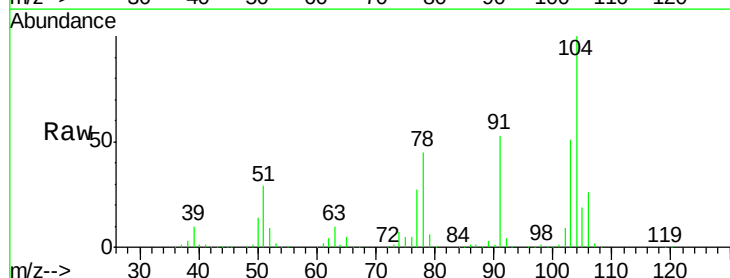
Manual Integrations
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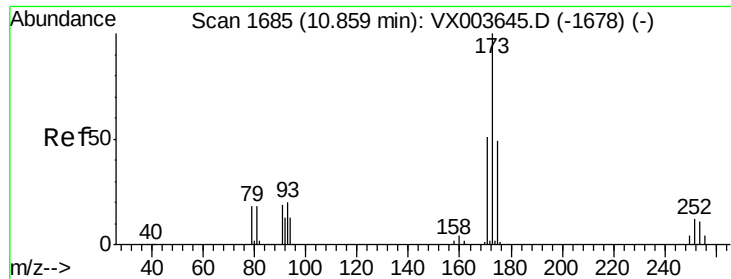
MMDadoda
8/2/2018 11:54:17 AM



#70
Styrene
Concen: 107.425 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion:104 Resp: 477916
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 55.4 44.2 66.4





#71

Bromoform

Concen: 110.855 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:173 Resp: 130822

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.2

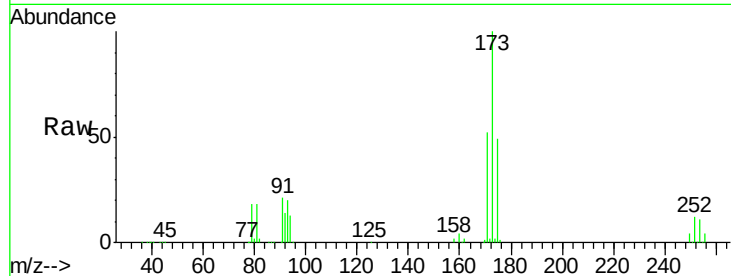
254 0.2 0.0 0.0#

Manual Integrations

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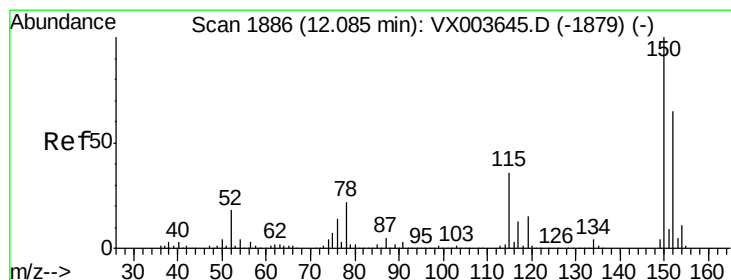
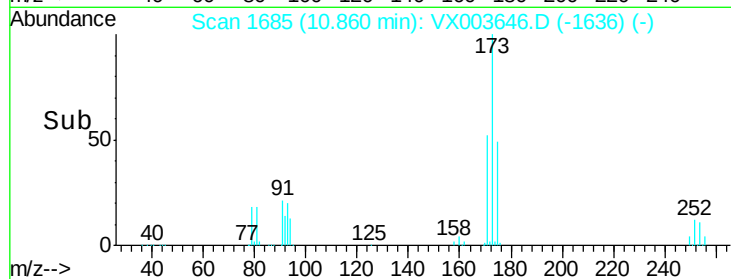
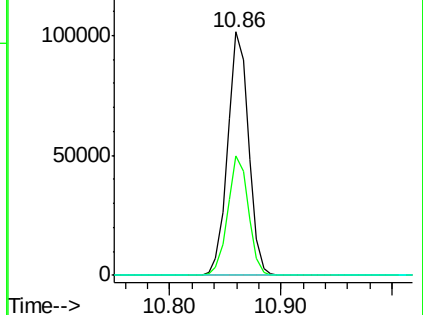
8/2/2018 11:54:17 AM



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

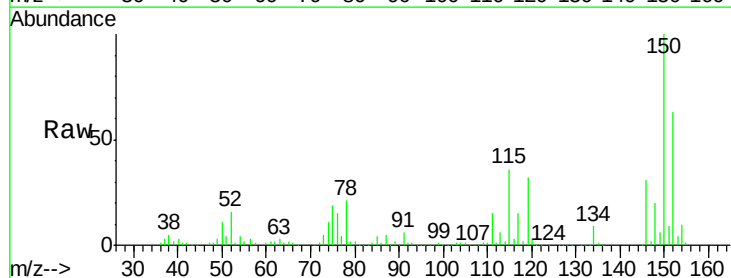
Tgt Ion:152 Resp: 107642

Ion Ratio Lower Upper

152 100

115 102.8 40.0 119.9

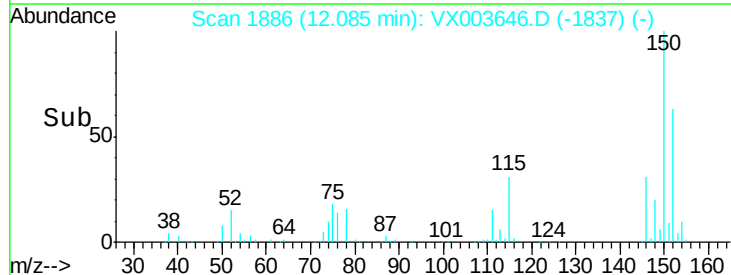
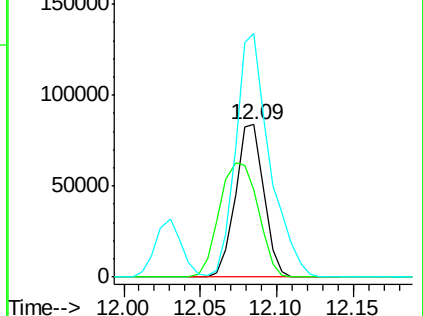
150 190.7 0.0 348.4

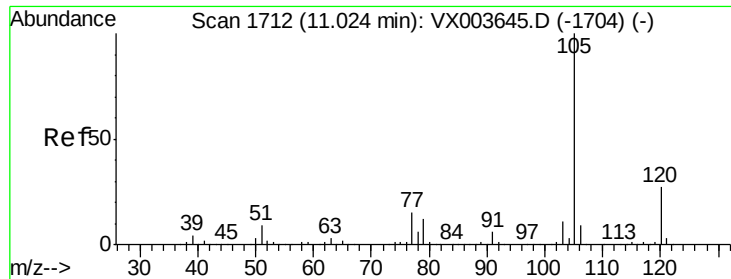


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 99.233 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 740904

Ion Ratio Lower Upper

105 100

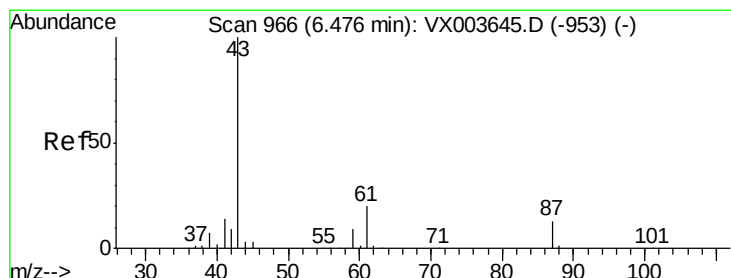
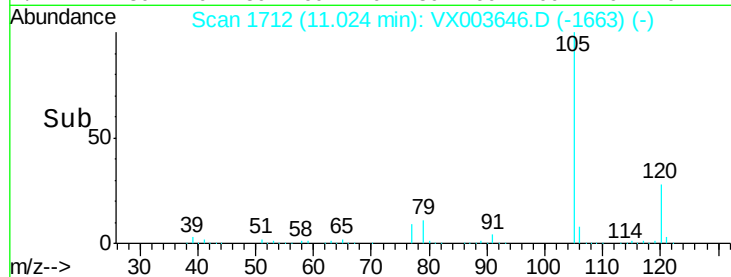
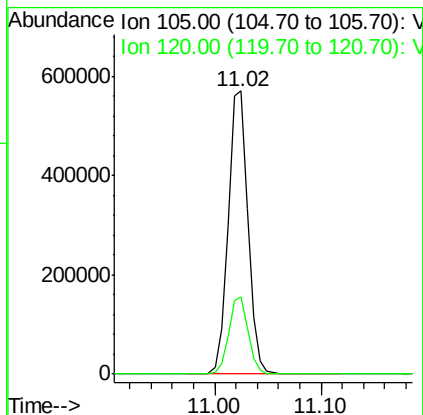
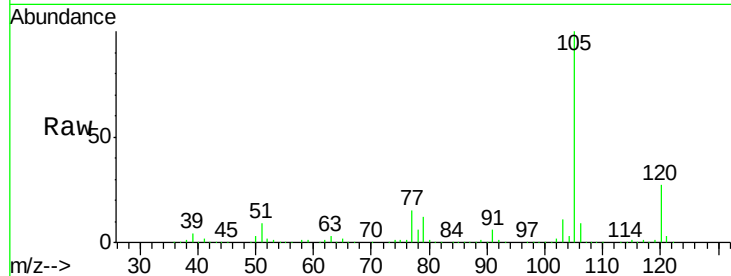
120 26.8 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 110.813 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Tgt Ion: 43 Resp: 364756

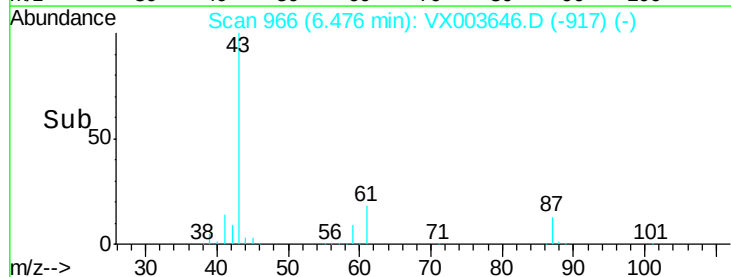
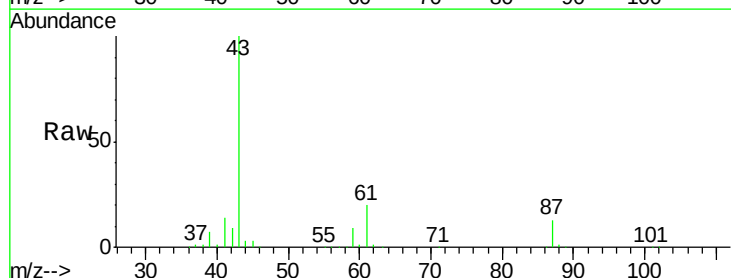
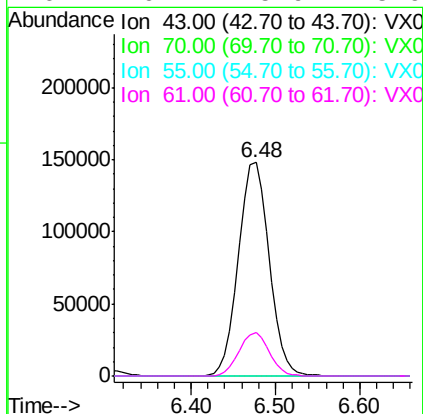
Ion Ratio Lower Upper

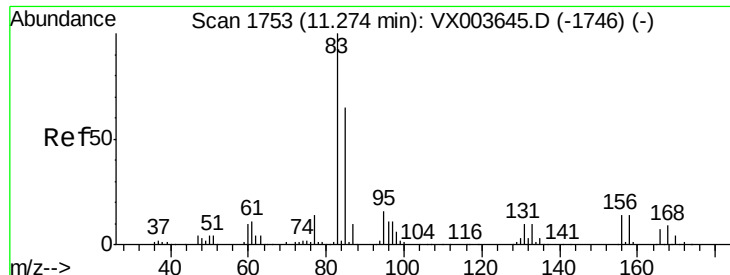
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.2 15.9 23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 114.379 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

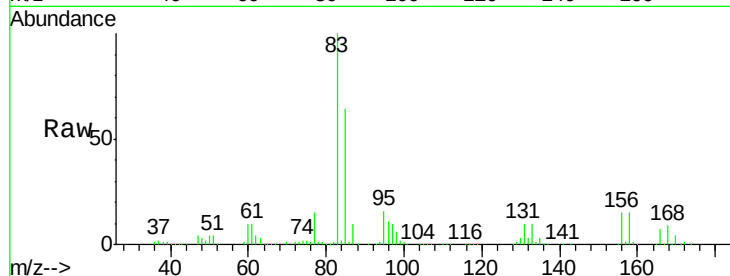
ClientSampled :

VSTDIC100

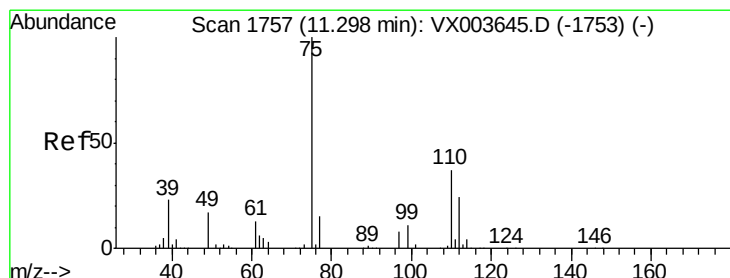
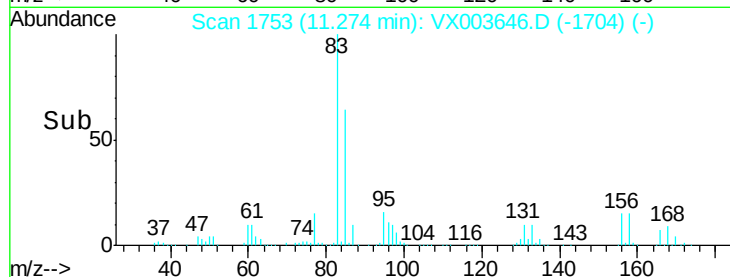
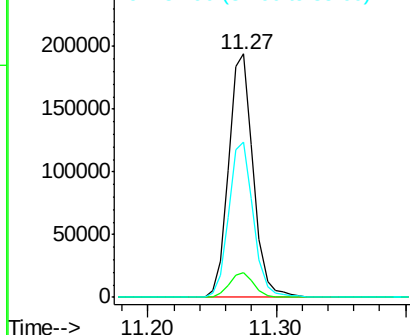
Tot Ion:	83	Resp:	259209
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	64.2	31.9	95.9

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



#76

1,2,3-Trichloropropane

Concen: 109.605 ug/l m

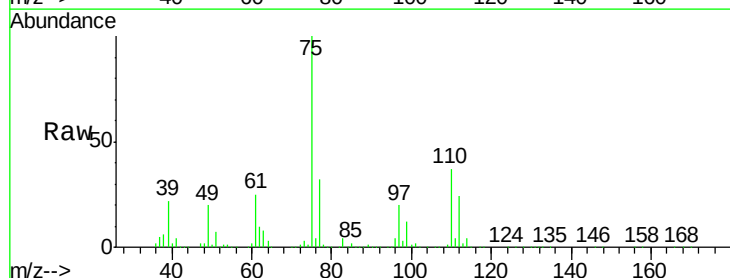
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

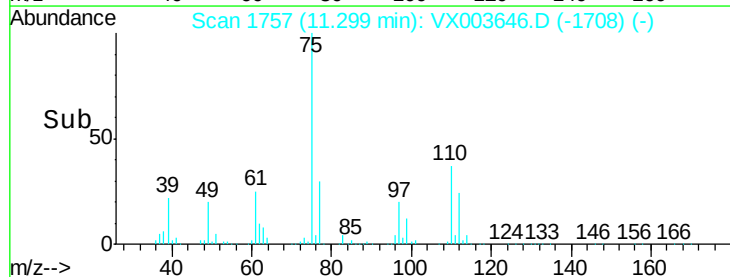
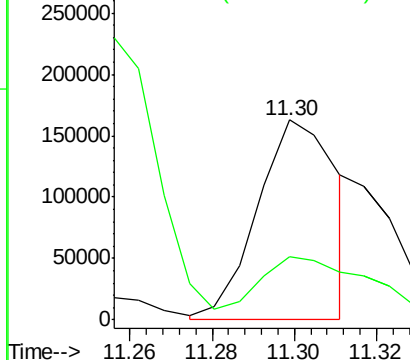
Lab File: VX003646.D

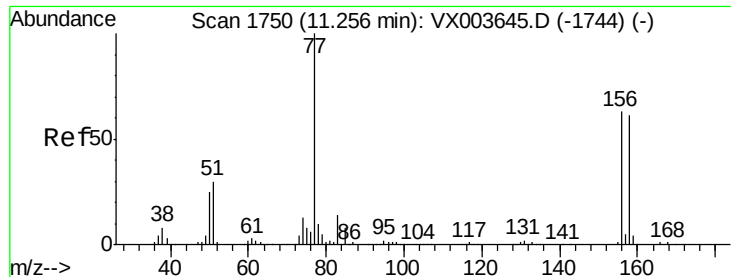
Acq: 24 Jul 2018 18:02

Tgt Ion:	75	Resp:	218068
Ion Ratio	Lower	Upper	
75	100		
77	45.2	21.6	64.6



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





#77

Bromobenzene

Concen: 91.758 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 195129

Ion Ratio Lower Upper

156 100

77 150.0 74.9 224.6

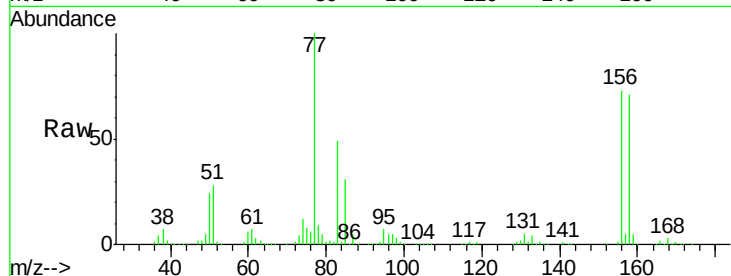
158 97.3 48.4 145.2

Manual Integrations

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MMDadoda

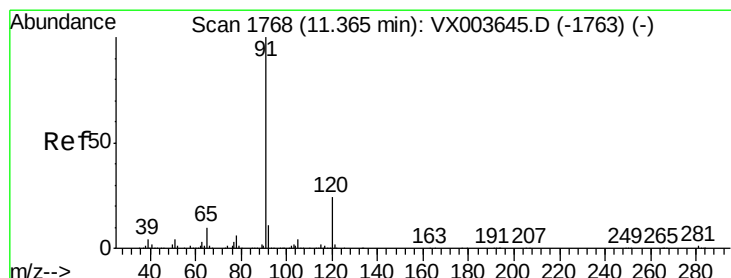
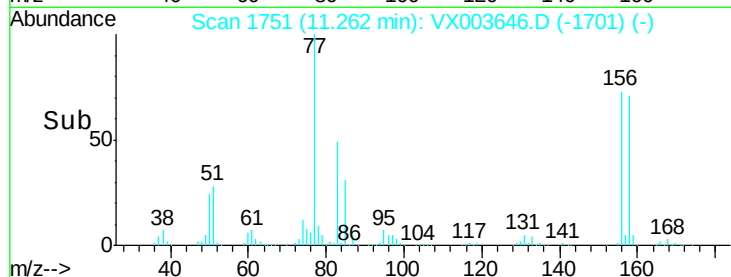
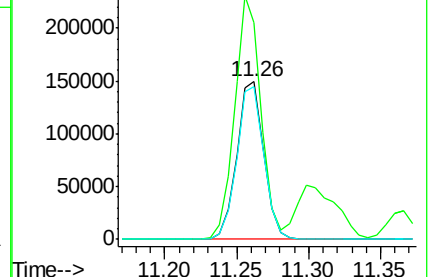
8/2/2018 11:54:17 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 103.964 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003646.D

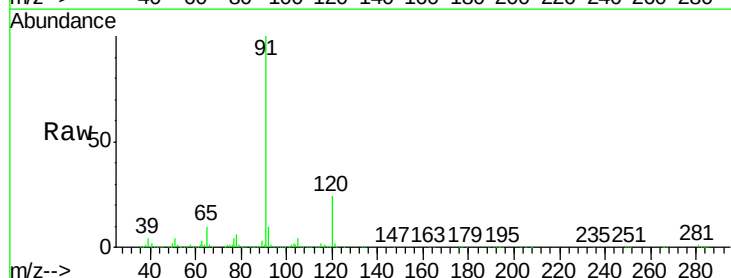
Acq: 24 Jul 2018 18:02

Tgt Ion: 91 Resp: 869396

Ion Ratio Lower Upper

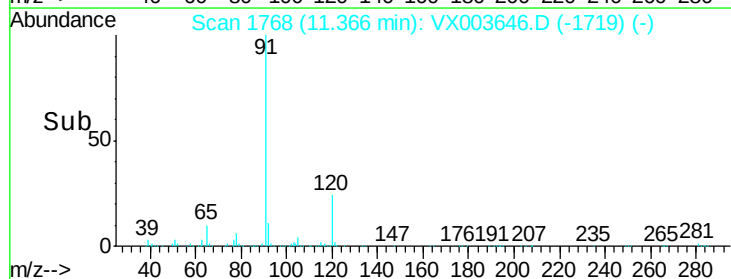
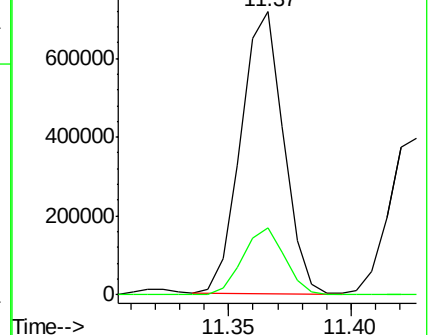
91 100

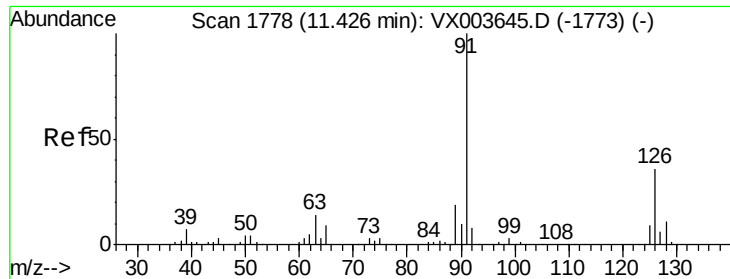
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 99.621 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 505350

Ion Ratio Lower Upper

91 100

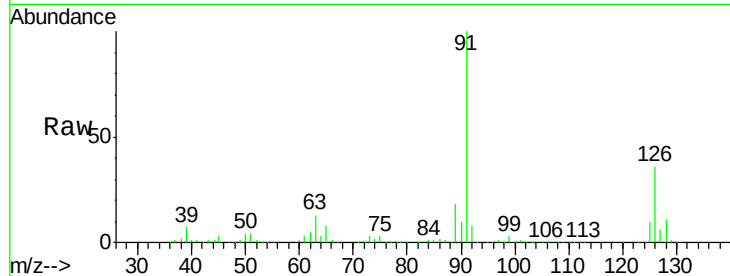
126 34.8 17.3 52.0

Manual Integrations

APPROVED

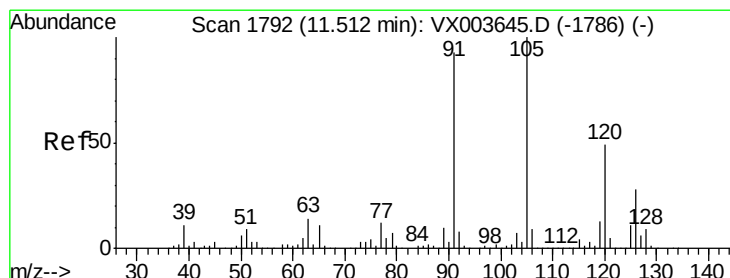
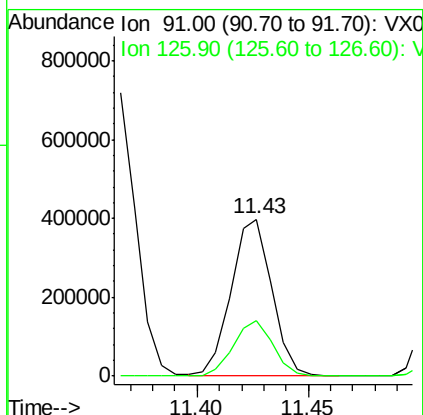
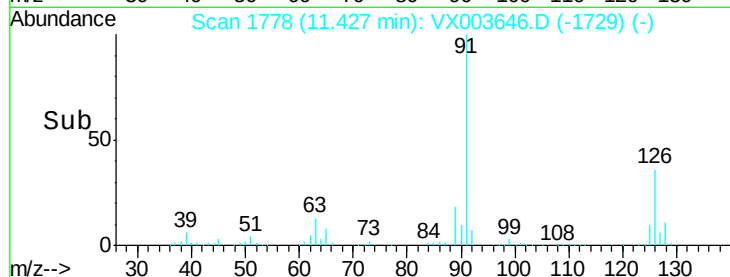
MMDadoda

8/2/2018 11:54:17 AM



Abundance Ion 91.00 (90.70 to 91.70): VX003645.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003645.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 103.692 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003646.D

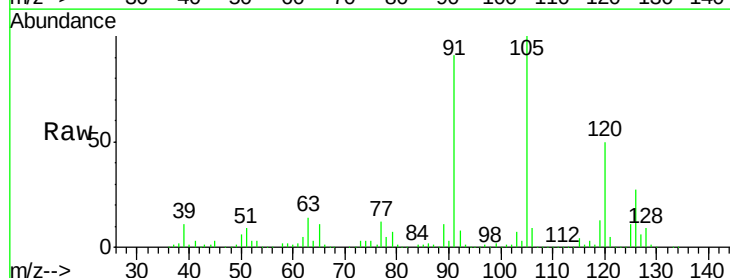
Acq: 24 Jul 2018 18:02

Tgt Ion: 105 Resp: 640103

Ion Ratio Lower Upper

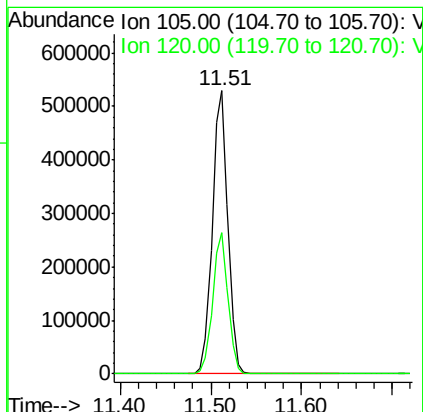
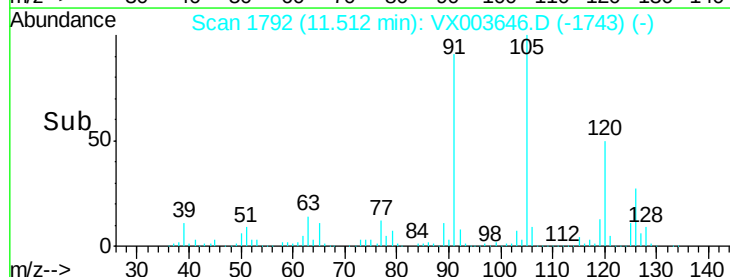
105 100

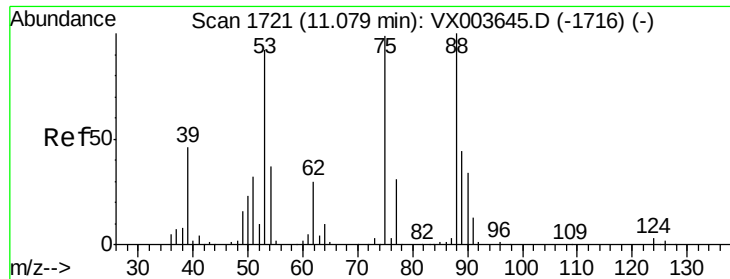
120 49.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003645.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003645.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 131.344 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 82422

Ion Ratio Lower Upper

75 100

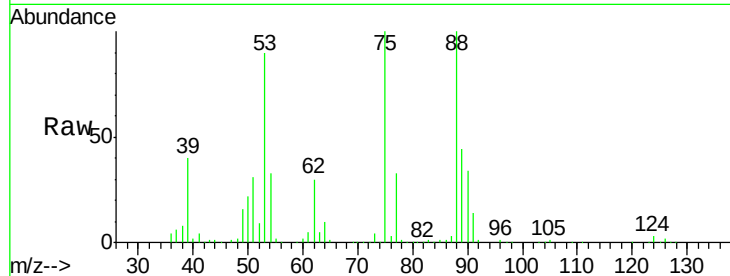
53 92.1 77.8 116.8

89 45.0 36.6 54.8

Manual Integrations
APPROVED

MMDadoda

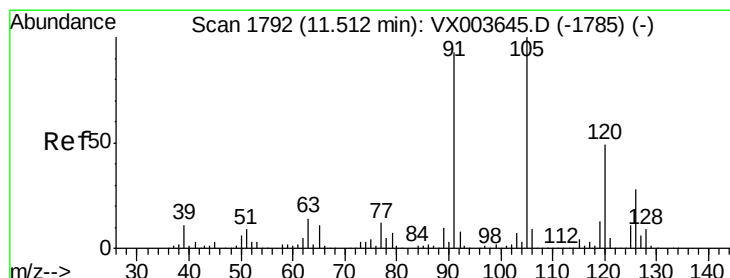
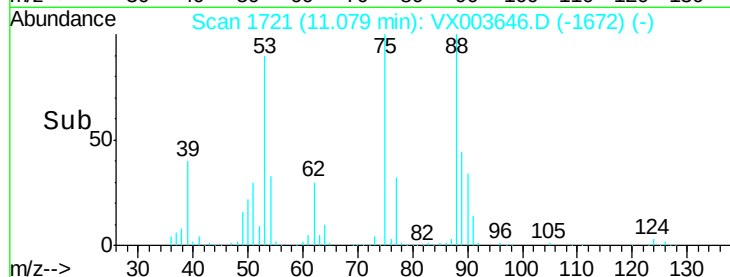
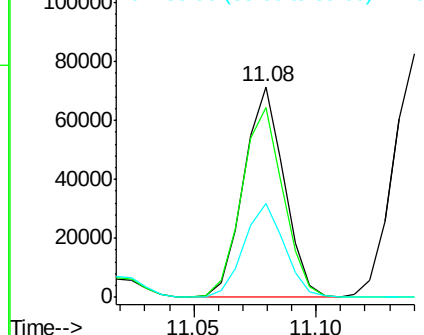
8/2/2018 11:54:17 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 101.764 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003646.D

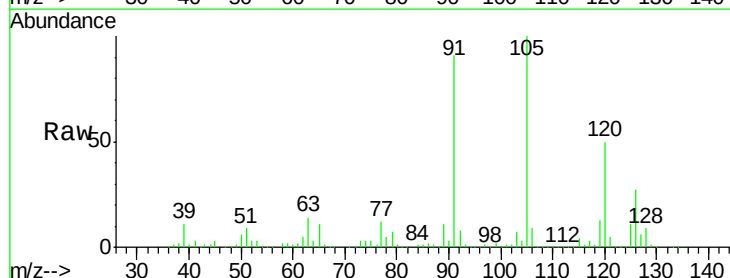
Acq: 24 Jul 2018 18:02

Tgt Ion: 91 Resp: 605938

Ion Ratio Lower Upper

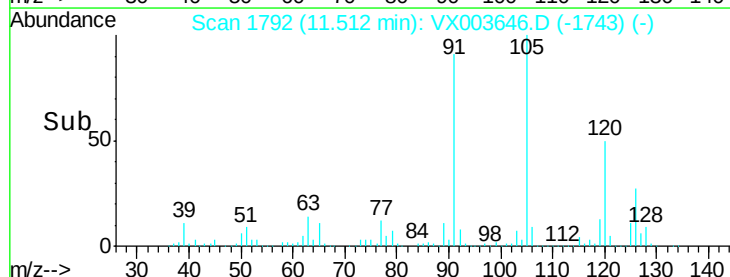
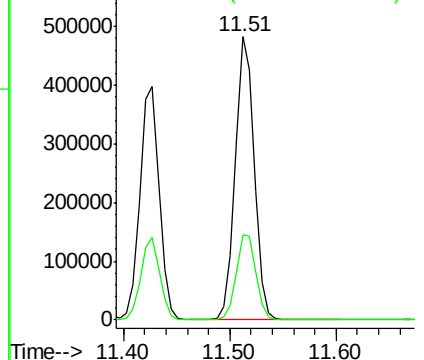
91 100

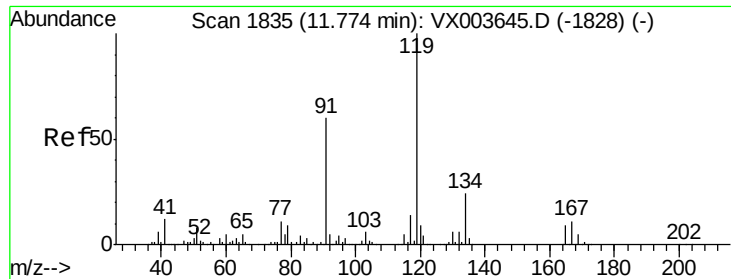
126 31.0 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





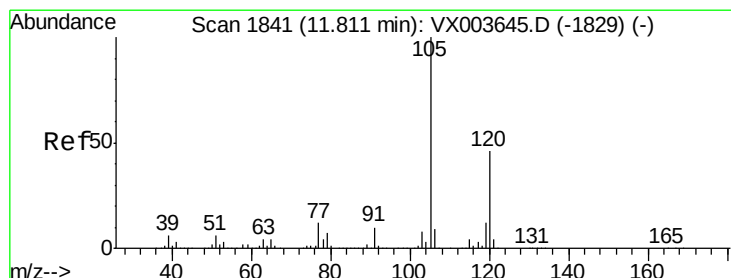
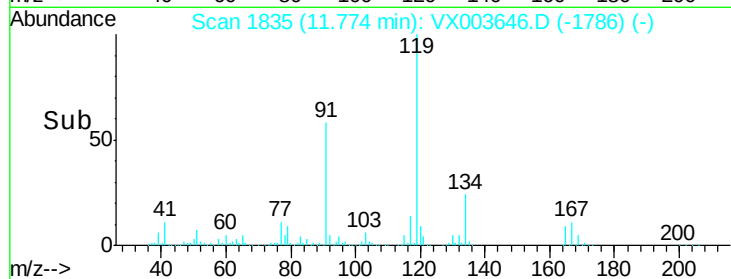
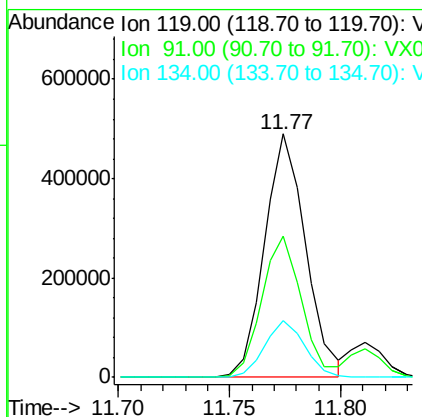
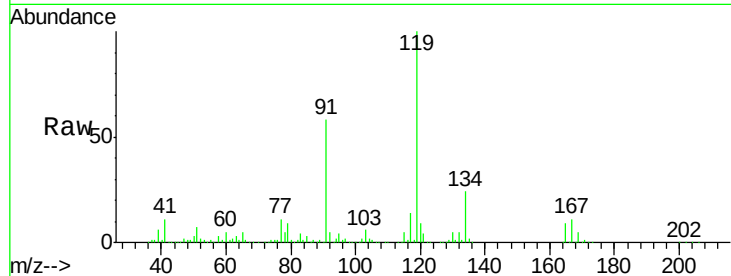
#83
tert-Butylbenzene
Concen: 104.035 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	627988		
91	56.4		28.4	85.2
134	22.7		11.6	34.8

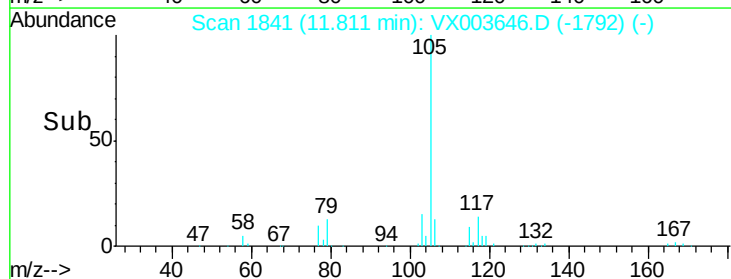
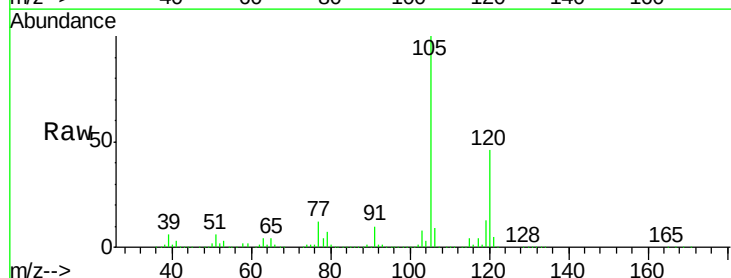
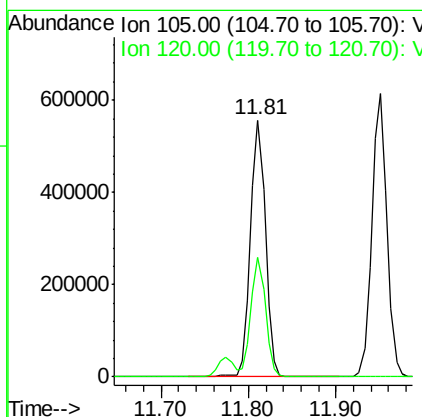
Manual Integrations
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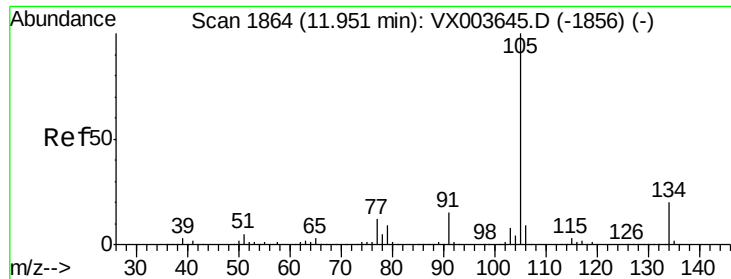
MMDadoda
8/2/2018 11:54:17 AM



#84
1,2,4-Trimethylbenzene
Concen: 104.495 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	656937		
120	45.6		22.6	67.8





#85

sec-Butylbenzene

Concen: 101.603 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 743844

Ion Ratio Lower Upper

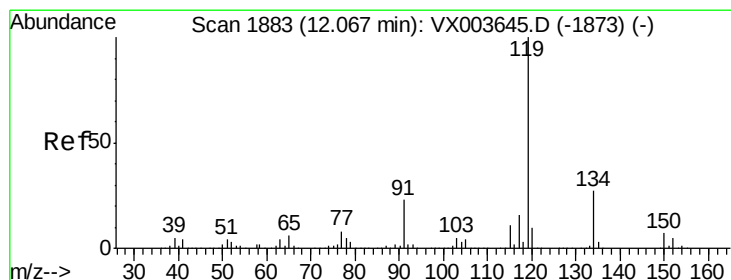
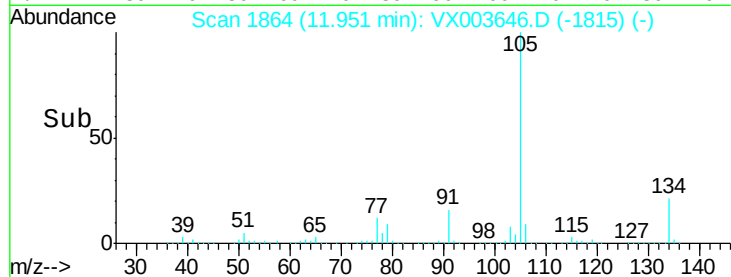
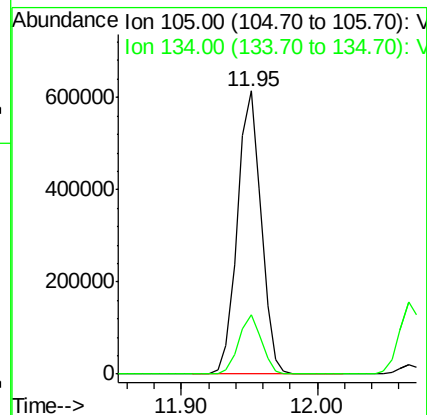
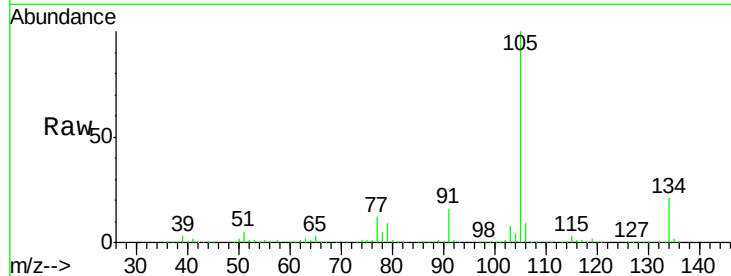
105 100

134 20.2 10.1 30.1

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 102.701 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003646.D

Acq: 24 Jul 2018 18:02

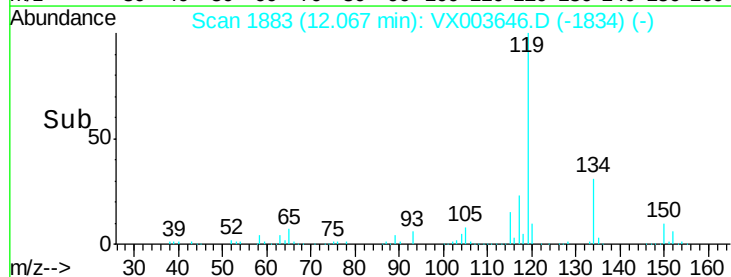
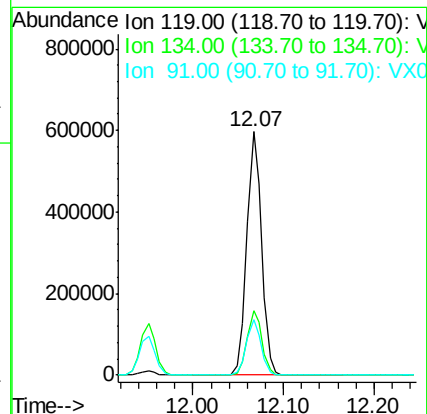
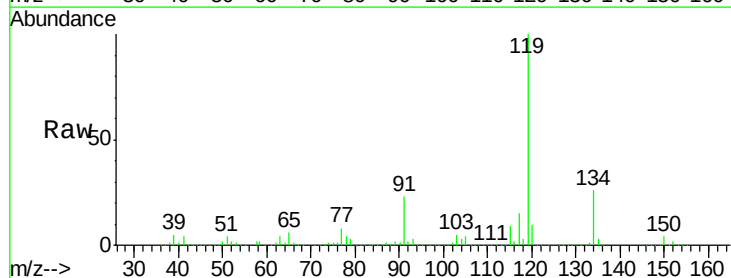
Tgt Ion:119 Resp: 673899

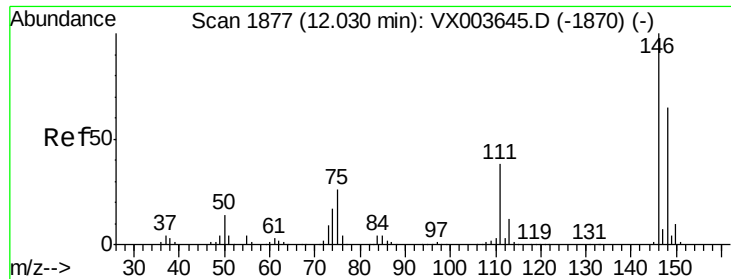
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.7 11.5 34.5





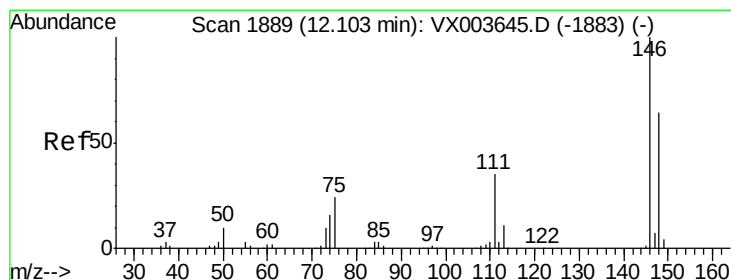
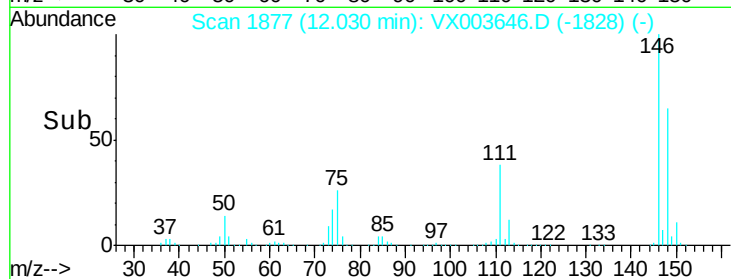
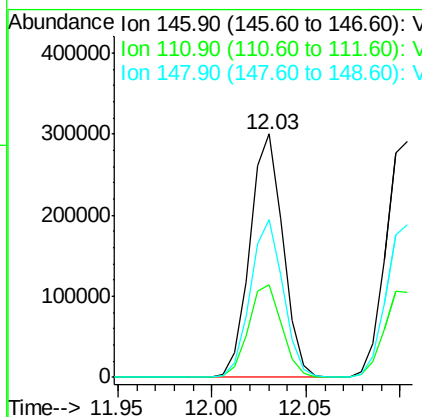
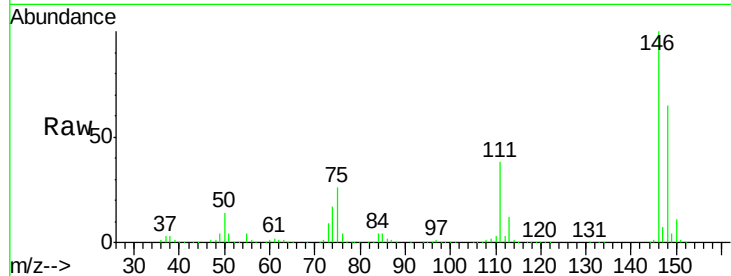
#87
 1,3-Dichlorobenzene
 Concen: 93.040 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	64.2	32.4	97.0

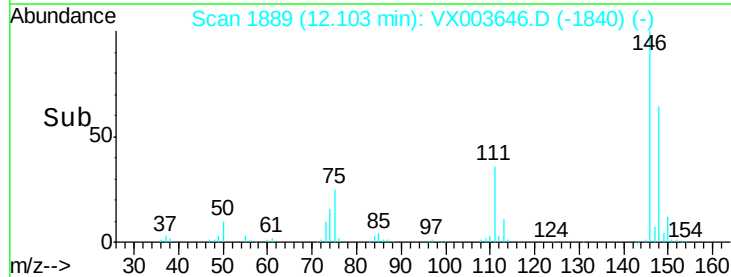
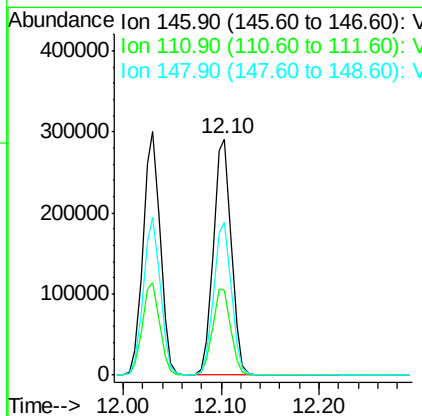
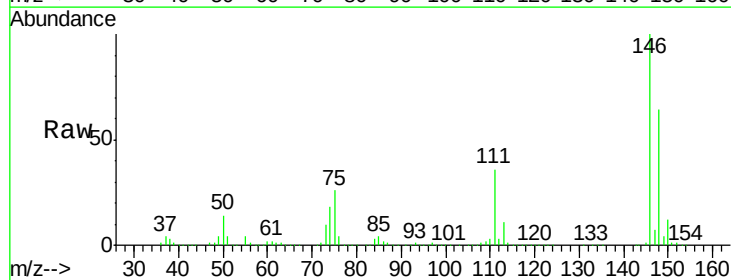
Manual Integrations
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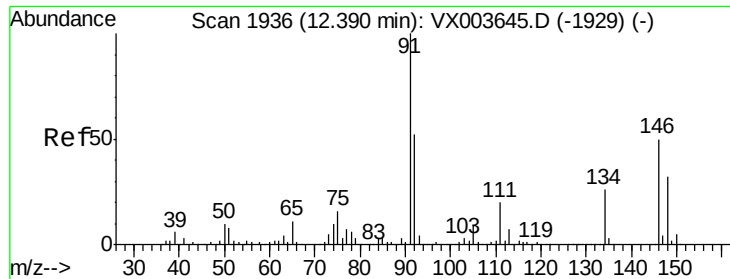
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 8/2/2018 11:54:17 AM



#88
 1,4-Dichlorobenzene
 Concen: 91.172 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	64.0	32.0	96.2





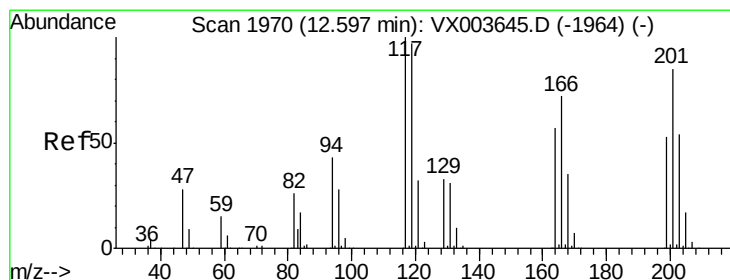
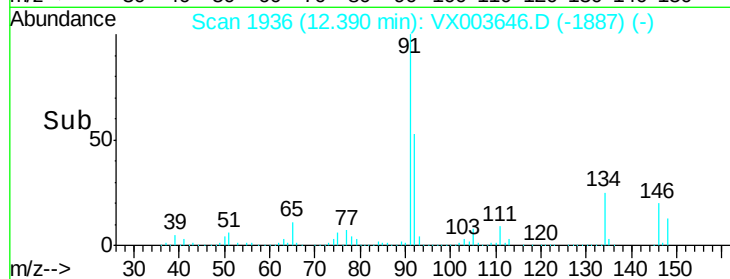
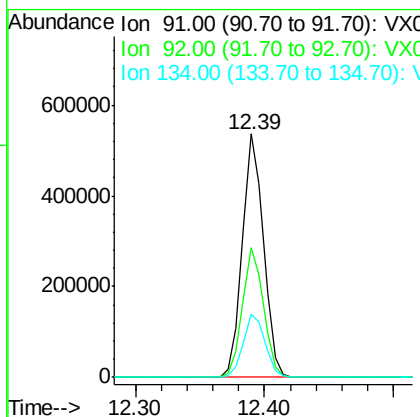
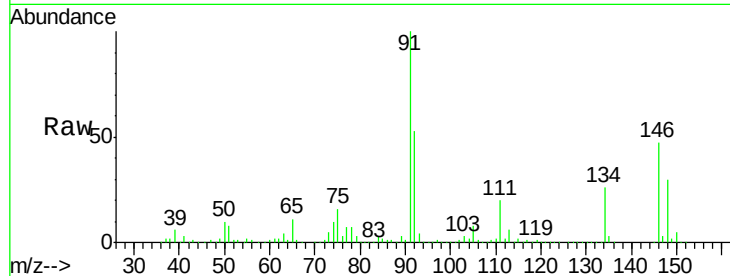
#89
n-Butylbenzene
Concen: 108.476 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.9
134	26.5	13.3	39.8

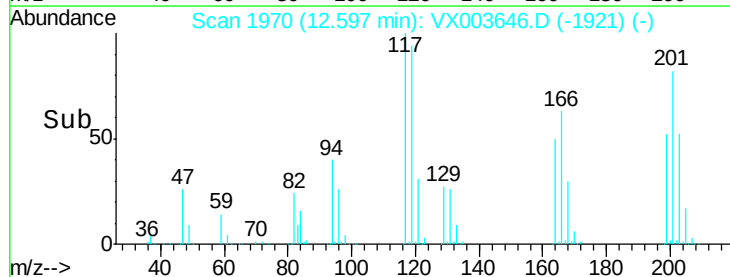
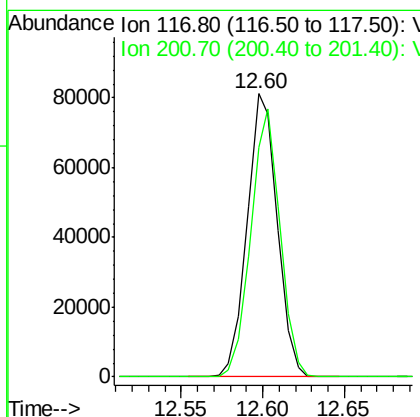
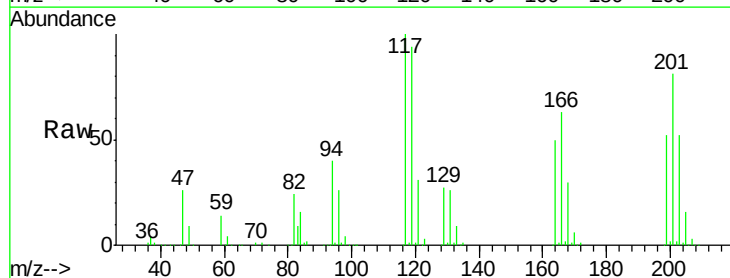
Manual Integrations
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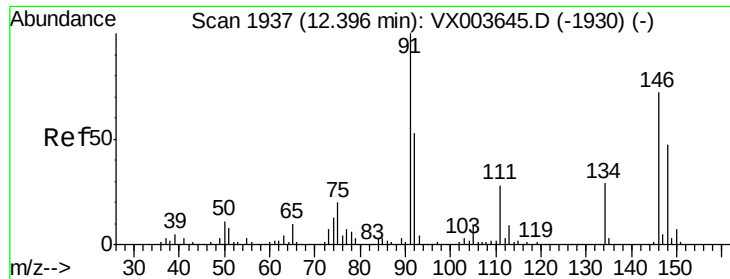
MMDadoda
8/2/2018 11:54:17 AM



#90
Hexachloroethane
Concen: 110.919 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	46.2	138.5





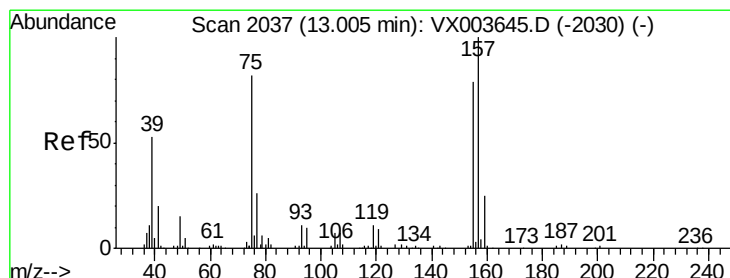
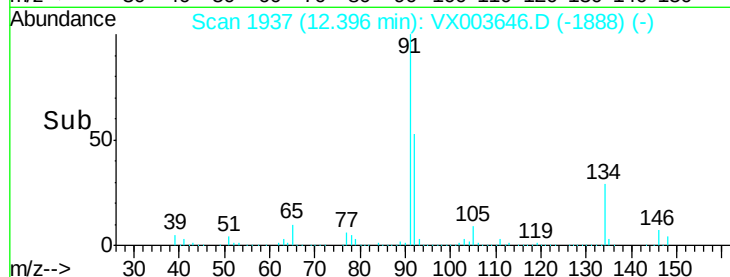
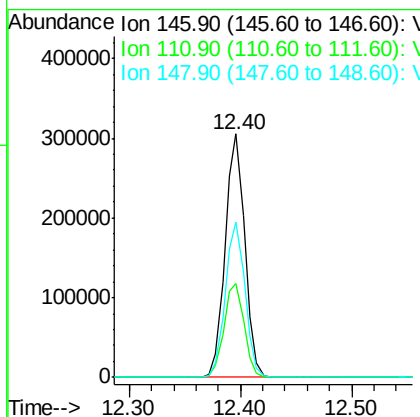
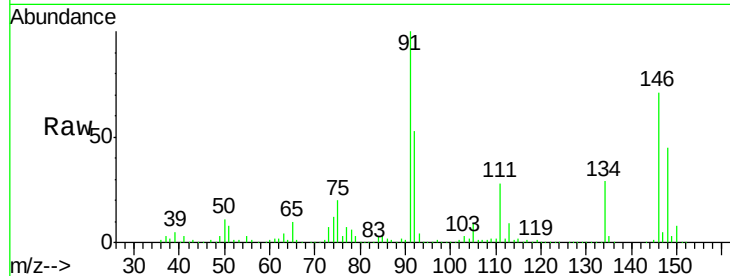
#91
 1,2-Dichlorobenzene
 Concen: 95.905 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	64.0	32.2	96.6

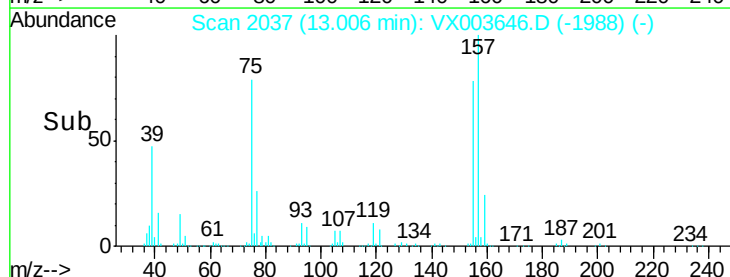
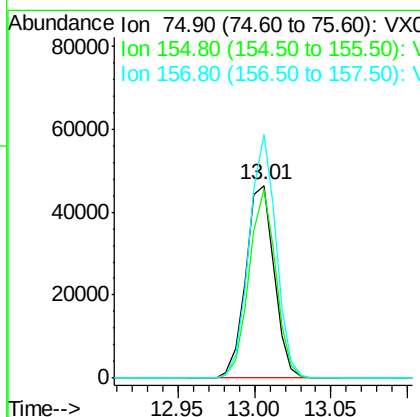
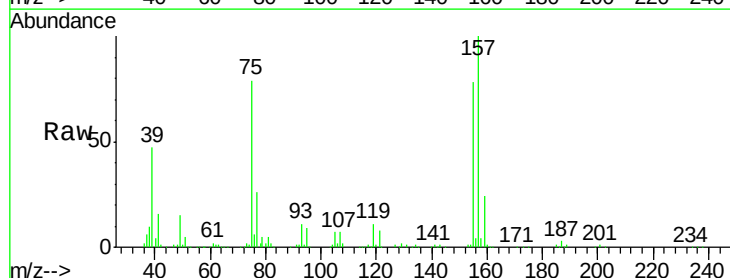
Manual Integrations
 APPROVED

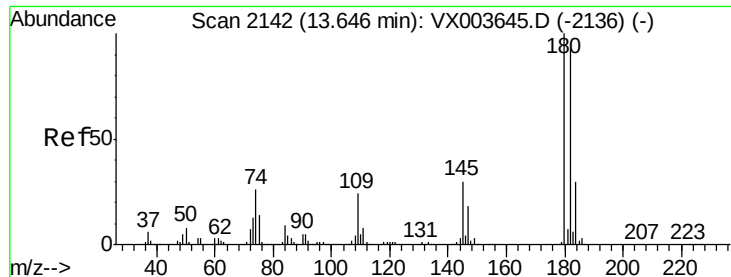
MMDadoda
 8/2/2018 11:54:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 133.008 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	46.1	138.3
157	120.1	59.7	179.0





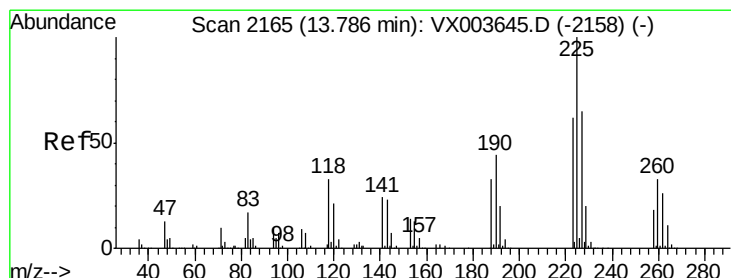
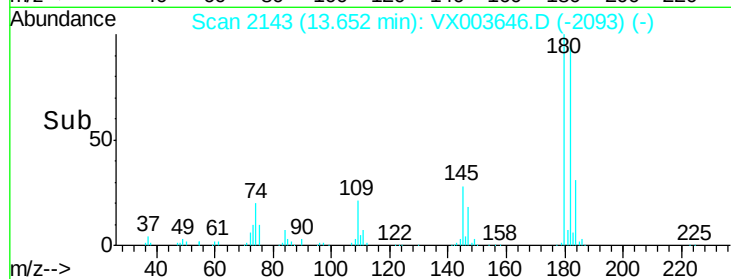
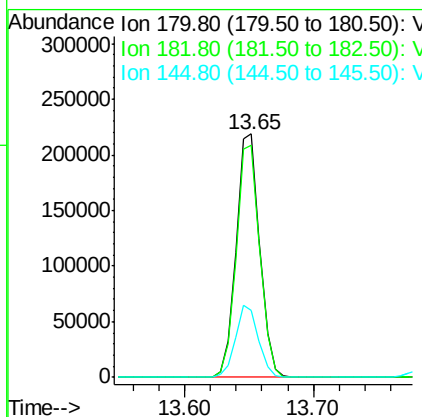
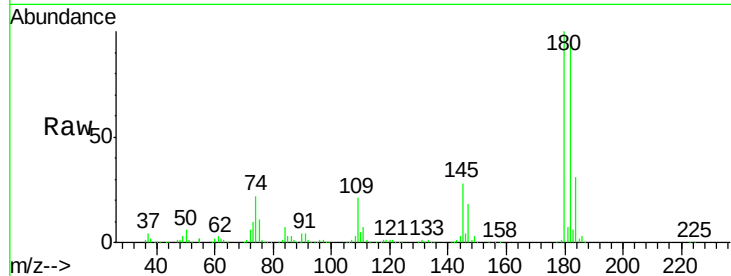
#93
 1,2,4-Trichlorobenzene
 Concen: 97.684 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	276994		
182	95.6	47.9	143.8	
145	28.9	14.4	43.2	

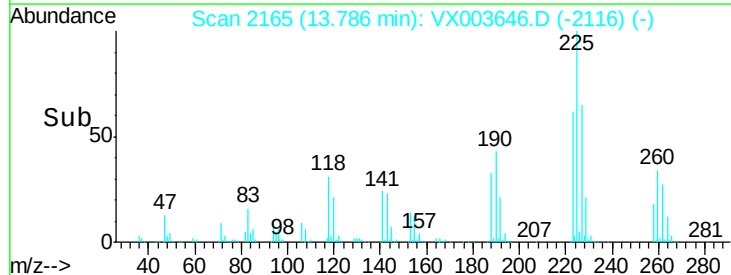
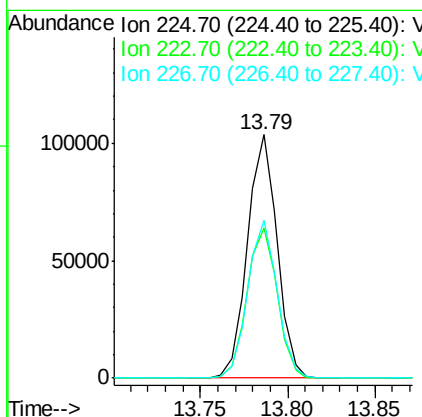
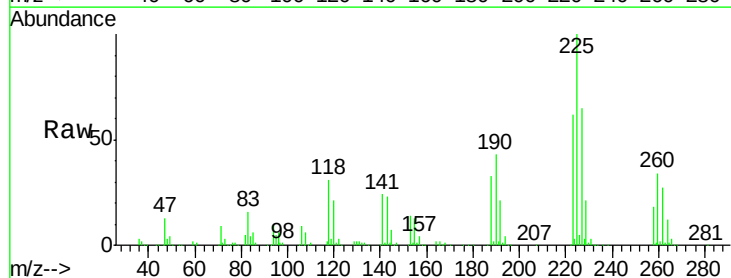
Manual Integrations
 APPROVED

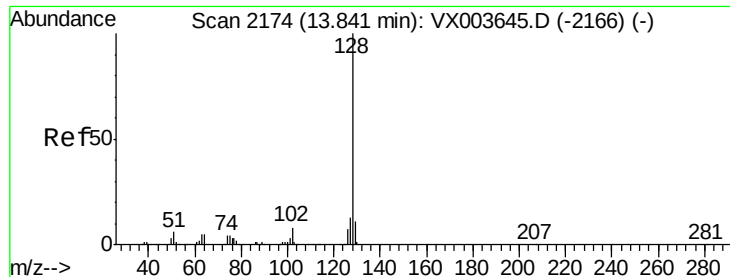
MMDadoda
 8/2/2018 11:54:17 AM



#94
 Hexachlorobutadiene
 Concen: 90.195 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003646.D
 Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121721		
223	62.9	30.9	92.5	
227	64.2	31.9	95.7	





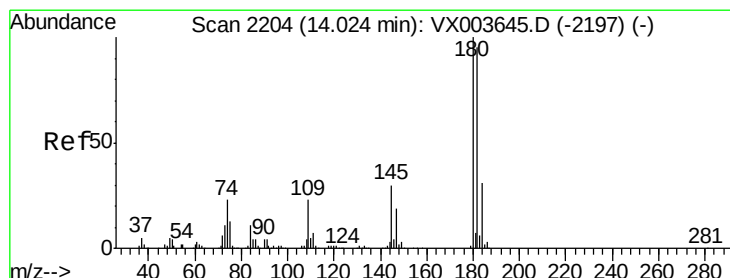
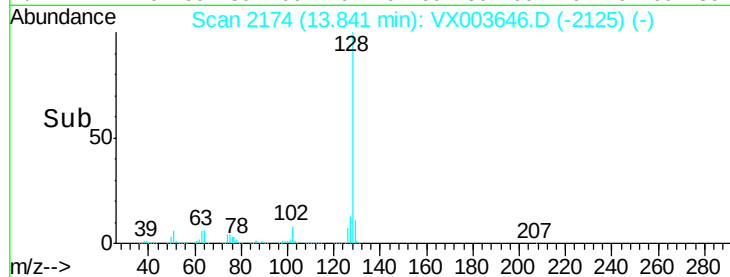
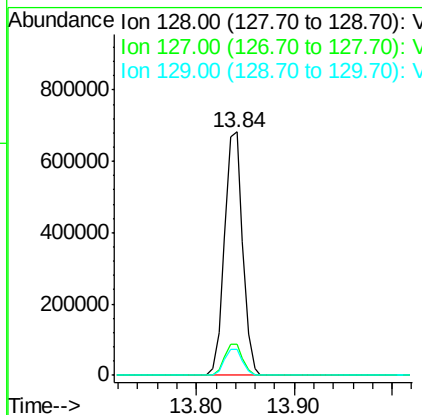
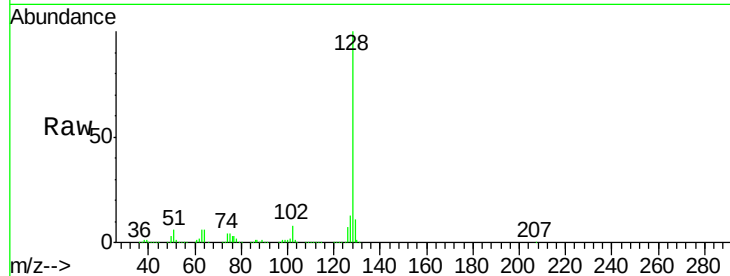
#95
Naphthalene
Concen: 114.917 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/2/2018 11:54:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 99.696 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003646.D
Acq: 24 Jul 2018 18:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.6	142.8
145	30.1	15.0	45.1

