

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006463.D
 Acq On : 13 Dec 2018 00:12
 Operator : JC/MD
 Sample : VX1212WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:36 AM

Quant Time: Dec 13 07:18:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	536098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	843043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	767709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	402512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	296381	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	5.51	113	275642	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	8.71	98	987131	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.13	95	382381	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	109326	20.827	ug/l	97
3) Chloromethane	1.33	50	116931	21.677	ug/l	98
4) Vinyl Chloride	1.41	62	132102	22.754	ug/l	99
5) Bromomethane	1.64	94	119010	29.579	ug/l	99
6) Chloroethane	1.72	64	80840	22.710	ug/l	96
7) Trichlorofluoromethane	1.93	101	196125	22.008	ug/l	97
8) Diethyl Ether	2.19	74	77629	23.017	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	112241	22.150	ug/l	98
10) Methyl Iodide	2.51	142	171419	22.447	ug/l	97
11) Tert butyl alcohol	3.07	59	158746	106.067	ug/l	99
12) 1,1-Dichloroethene	2.37	96	107547	22.170	ug/l	93
13) Acrolein	2.29	56	91905	112.351	ug/l	99
14) Allyl chloride	2.73	41	182450	19.040	ug/l	98
15) Acrylonitrile	3.15	53	334902	107.232	ug/l	99
16) Acetone	2.45	43	270962	105.502	ug/l	96
17) Carbon Disulfide	2.57	76	277562	18.569	ug/l	99
18) Methyl Acetate	2.78	43	180469	21.012	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	373499	21.583	ug/l	99
20) Methylene Chloride	2.86	84	121784	22.280	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	114541	22.157	ug/l	90
22) Diisopropyl ether	3.87	45	332564	22.219	ug/l	97
23) Vinyl Acetate	3.82	43	1355609	106.189	ug/l	100
24) 1,1-Dichloroethane	3.70	63	194929	22.785	ug/l	99
25) 2-Butanone	4.70	43	402822	109.923	ug/l	100
26) 2,2-Dichloropropane	4.59	77	129346	16.383	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	131285	22.768	ug/l	97
28) Bromochloromethane	5.02	49	76805	20.554	ug/l	100
29) Tetrahydrofuran	5.15	42	272732	107.084	ug/l	96
30) Chloroform	5.21	83	204064	22.698	ug/l	94
31) Cyclohexane	5.57	56	173297	21.919	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	180223	21.069	ug/l	99
36) 1,1-Dichloropropene	5.80	75	150969	21.265	ug/l	99
37) Ethyl Acetate	4.85	43	158979	19.997	ug/l	97
38) Carbon Tetrachloride	5.79	117	154021	18.442	ug/l	93

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192882	20.931	ug/l	96
40) Benzene	6.15	78	465454	21.890	ug/l	99
41) Methacrylonitrile	5.06	41	85856	19.626	ug/l	97
42) 1,2-Dichloroethane	6.20	62	154938	22.264	ug/l	99
43) Isopropyl Acetate	6.46	43	249751	18.841	ug/l	99
44) Trichloroethene	7.21	130	135123	20.977	ug/l	94
45) 1,2-Dichloropropane	7.51	63	113026	20.915	ug/l	96
46) Dibromomethane	7.66	93	81794	20.957	ug/l	95
47) Bromodichloromethane	7.90	83	142296	18.827	ug/l	100
48) Methyl methacrylate	7.77	41	127988	19.847	ug/l	97
49) 1,4-Dioxane	7.75	88	68872	433.334	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	801093	103.815	ug/l	97
52) Toluene	8.79	92	306846	21.935	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	151989	17.195	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	169202	18.435	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	125404	22.066	ug/l	97
56) Ethyl methacrylate	9.18	69	182986	20.596	ug/l	97
57) 1,3-Dichloropropane	9.37	76	196984	21.920	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	419414	93.029	ug/l	99
59) 2-Hexanone	9.49	43	610495	103.553	ug/l	98
60) Dibromochloromethane	9.59	129	120903	17.253	ug/l	98
61) 1,2-Dibromoethane	9.67	107	135146	21.268	ug/l	99
64) Tetrachloroethene	9.34	164	123610	21.380	ug/l	95
65) Chlorobenzene	10.14	112	354210	21.735	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	119134	18.815	ug/l	98
67) Ethyl Benzene	10.25	91	577605	21.310	ug/l	98
68) m/p-Xylenes	10.36	106	470496	43.334	ug/l	98
69) o-Xylene	10.70	106	232380	21.668	ug/l	100
70) Styrene	10.71	104	369020	21.275	ug/l	99
71) Bromoform	10.86	173	90852	15.200	ug/l	97
73) Isopropylbenzene	11.02	105	607482	21.854	ug/l	100
74) N-amyl acetate	10.90	43	230702	19.273	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	189933	21.358	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	173298m	22.306	ug/l	
77) Bromobenzene	11.26	156	162793	21.103	ug/l	97
78) n-propylbenzene	11.36	91	658223	21.302	ug/l	100
79) 2-Chlorotoluene	11.42	91	402640	21.924	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	496056	21.448	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	45547	13.758	ug/l #	84
82) 4-Chlorotoluene	11.51	91	454225	21.273	ug/l	99
83) tert-Butylbenzene	11.77	119	514872	20.865	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	512265	21.450	ug/l	99
85) sec-Butylbenzene	11.94	105	601850	21.439	ug/l	100
86) p-Isopropyltoluene	12.06	119	535626	21.189	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	292578	21.315	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	294321	21.126	ug/l	99
89) n-Butylbenzene	12.39	91	437785	20.297	ug/l	98
90) Hexachloroethane	12.60	117	83361	16.180	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	294872	21.645	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39386	17.278	ug/l	93

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX1212WBS02

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	198978	20.021	ug/l	98
94) Hexachlorobutadiene	13.78	225	87106	19.818	ug/l	100
95) Naphthalene	13.83	128	651273	21.066	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	201535	20.473	ug/l	99

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

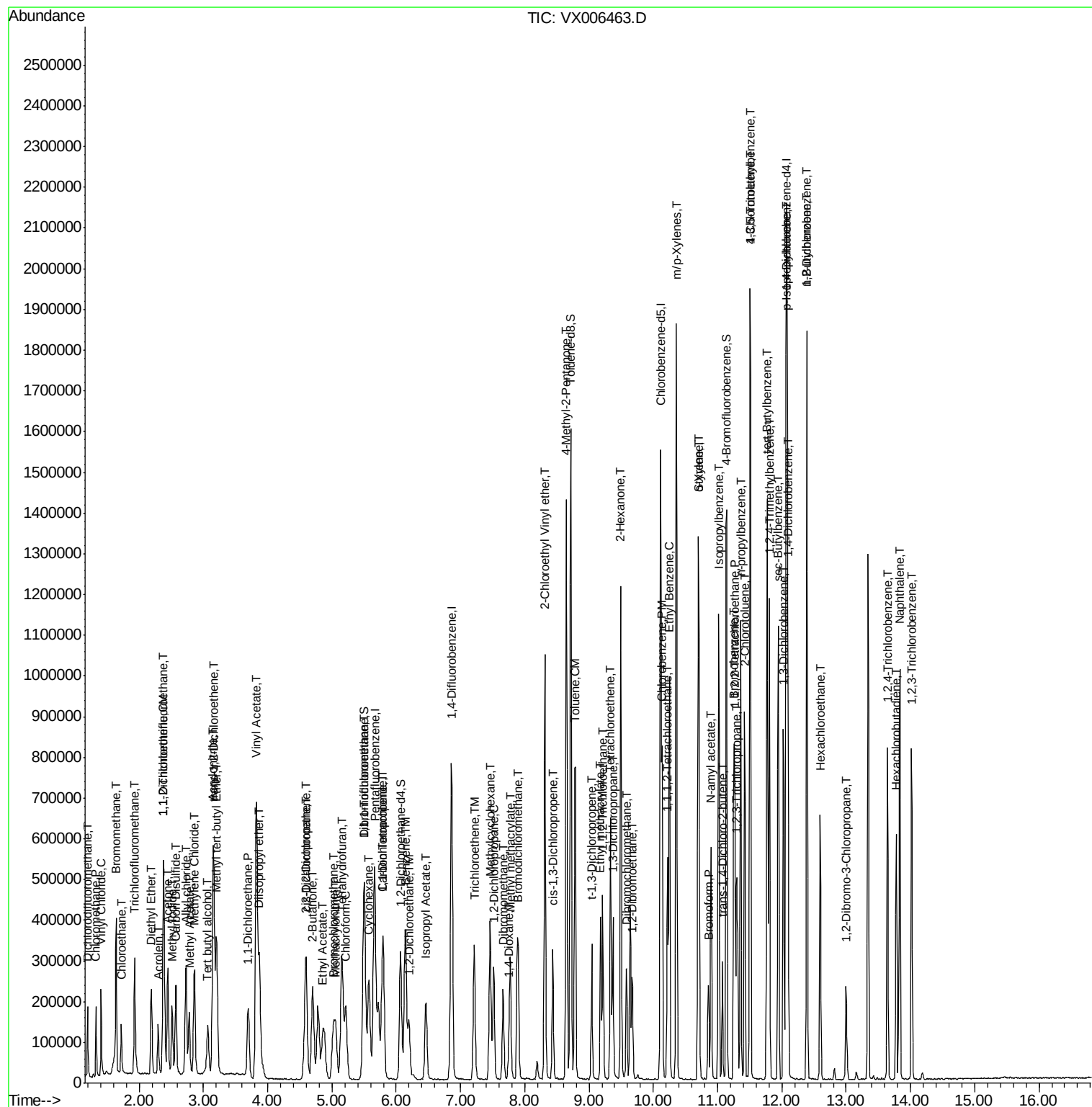
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006463.D
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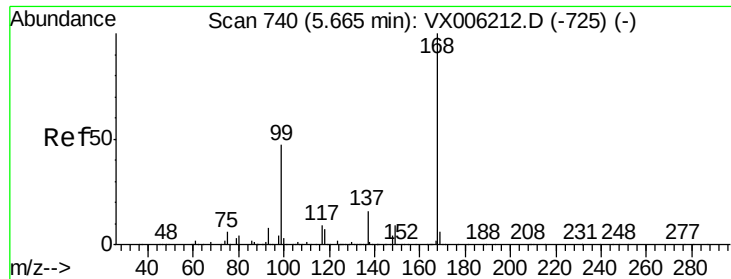
Instrument :
 MSVOA_X
 Client Sampled :
 VX1212WBS02

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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion:168 Resp: 536098

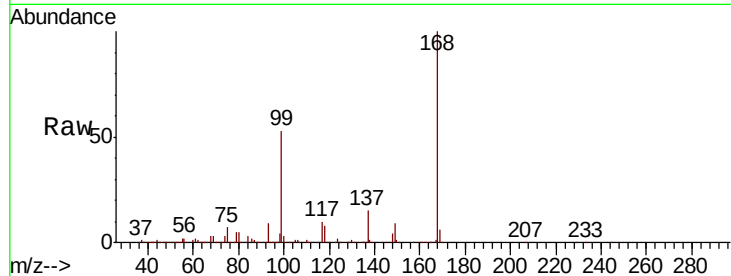
Ion Ratio Lower Upper

168 100

99 52.4 37.8 56.8

Manual Integrations
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12/13/2018 11:05:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

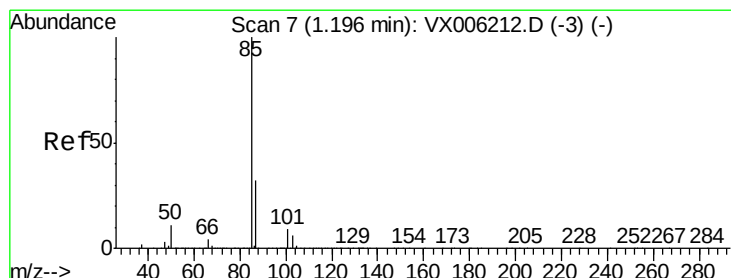
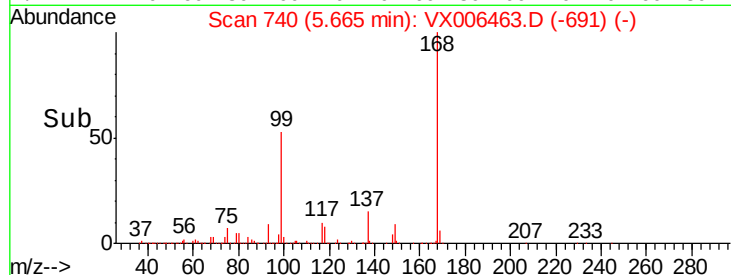
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50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.827 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006463.D

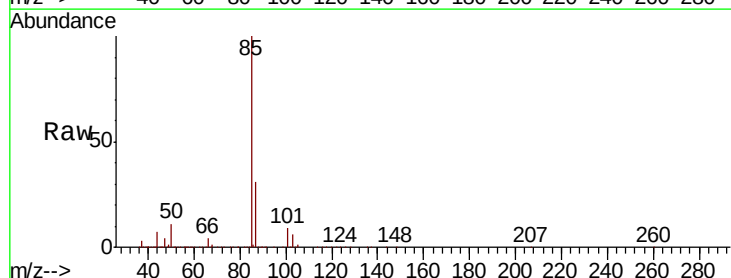
Acq: 13 Dec 2018 00:12

Tgt Ion: 85 Resp: 109326

Ion Ratio Lower Upper

85 100

87 30.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

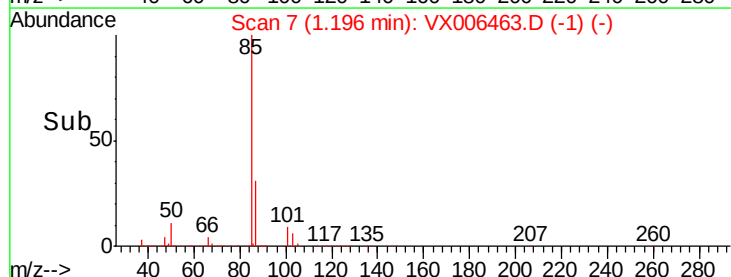
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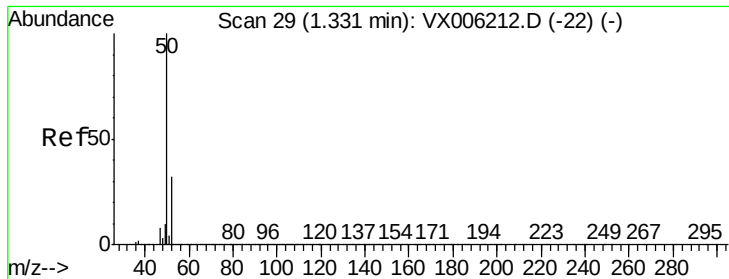
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.677 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 50 Resp: 116931

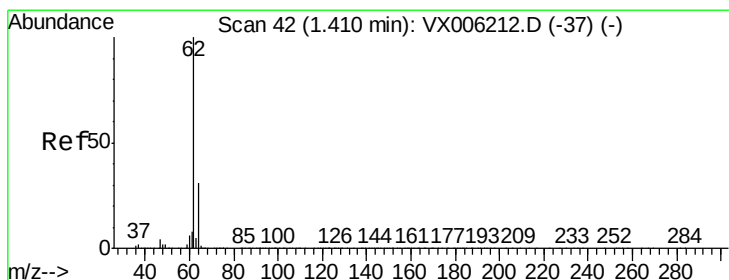
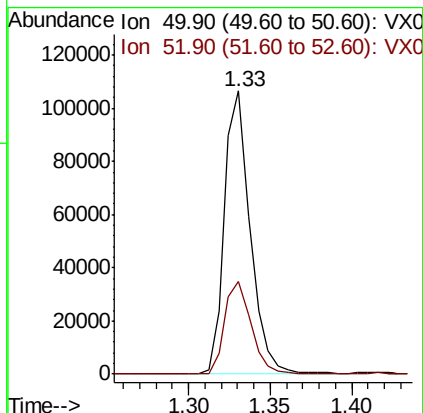
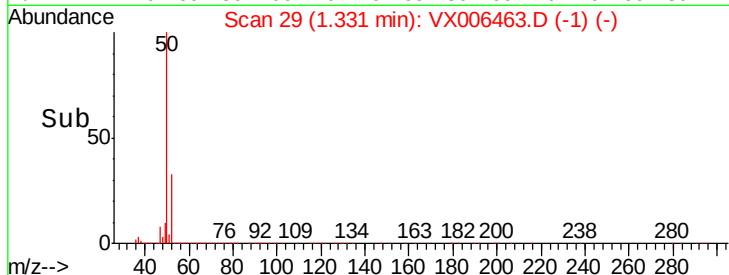
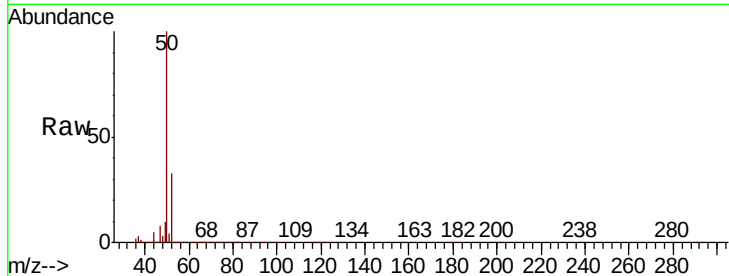
Ion Ratio Lower Upper

50 100

52 32.7 25.2 37.8

Manual Integrations
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12/13/2018 11:05:36 AM



#4

Vinyl Chloride

Concen: 22.754 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006463.D

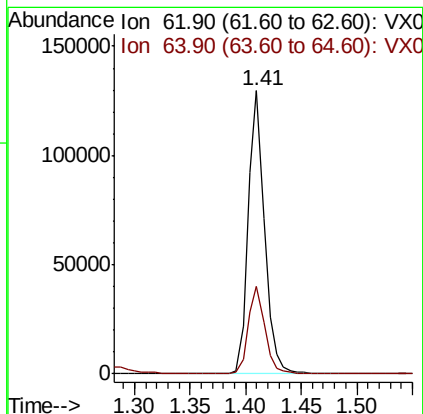
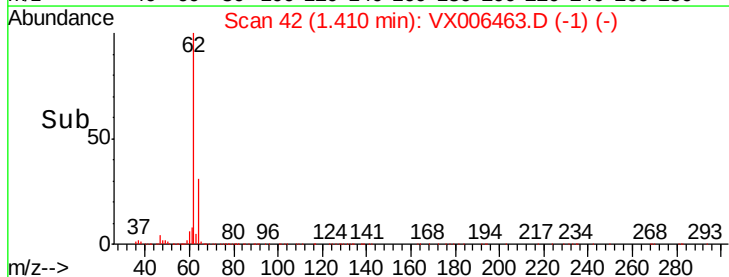
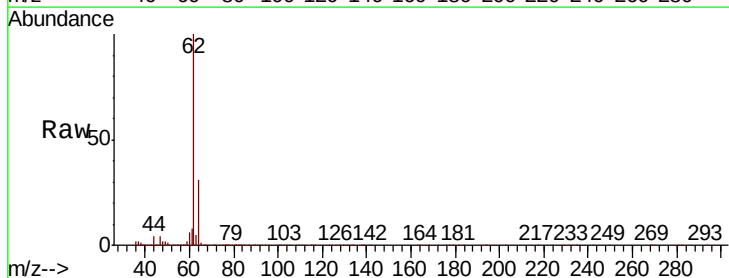
Acq: 13 Dec 2018 00:12

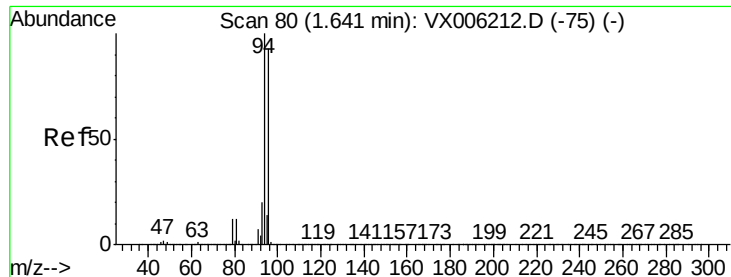
Tgt Ion: 62 Resp: 132102

Ion Ratio Lower Upper

62 100

64 30.6 24.9 37.3





#5

Bromomethane

Concen: 29.579 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 94 Resp: 119010

Ion Ratio Lower Upper

94 100

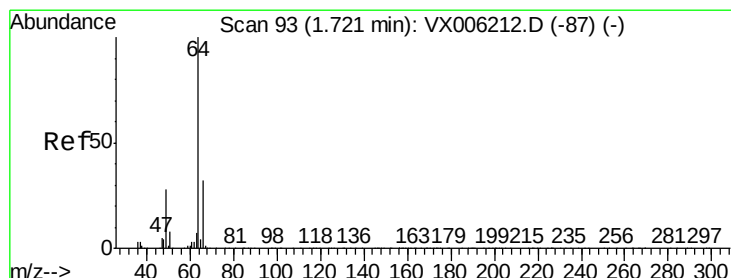
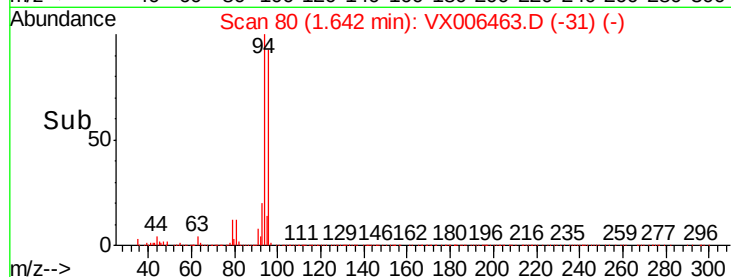
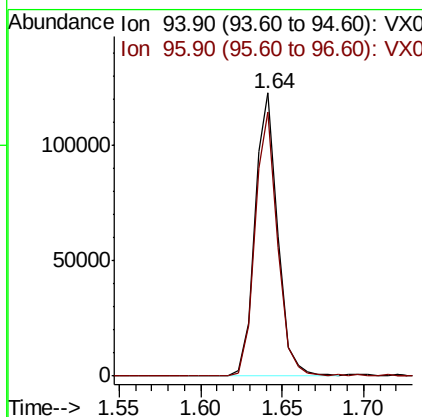
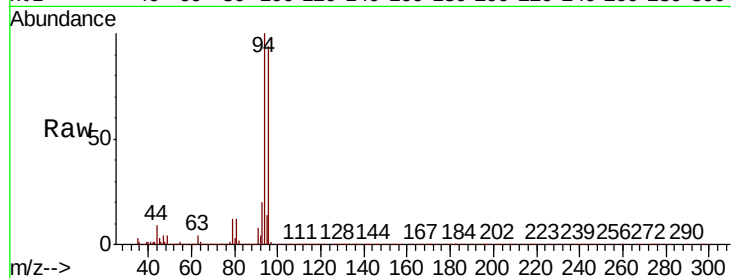
96 93.6 74.5 111.7

Manual Integrations

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12/13/2018 11:05:36 AM



#6

Chloroethane

Concen: 22.710 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006463.D

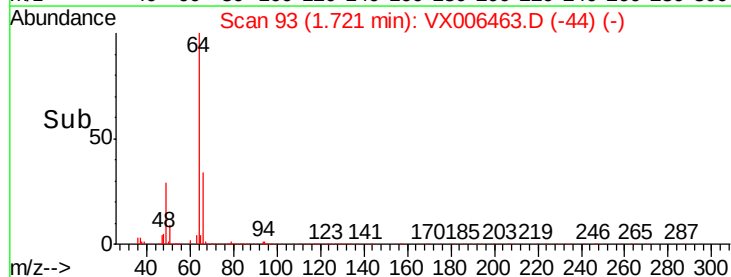
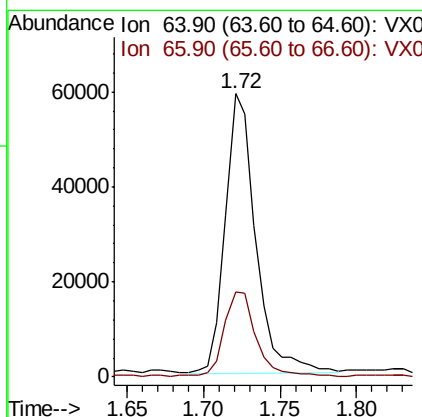
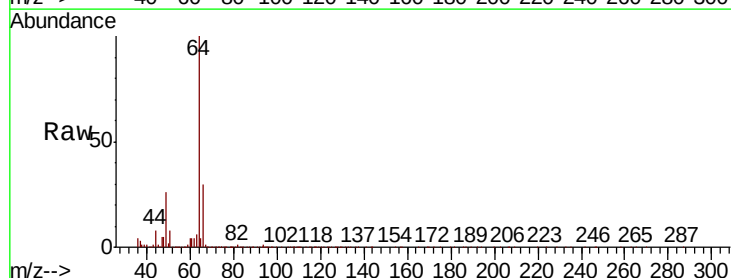
Acq: 13 Dec 2018 00:12

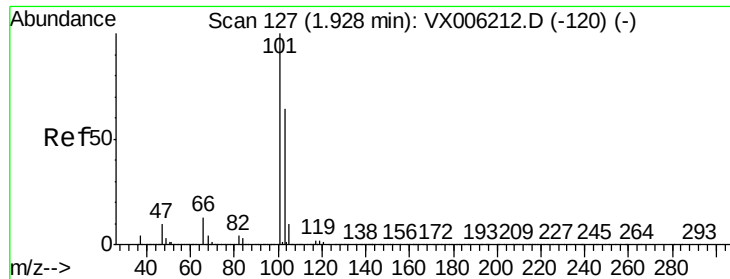
Tgt Ion: 64 Resp: 80840

Ion Ratio Lower Upper

64 100

66 30.0 25.9 38.9





#7

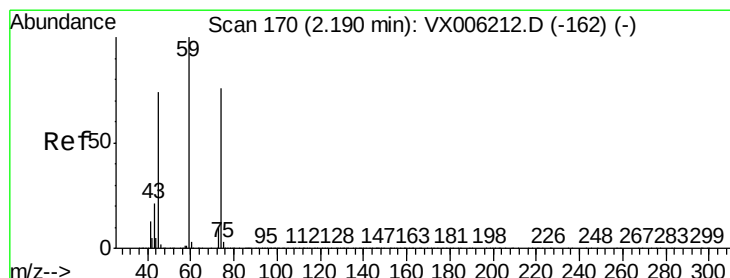
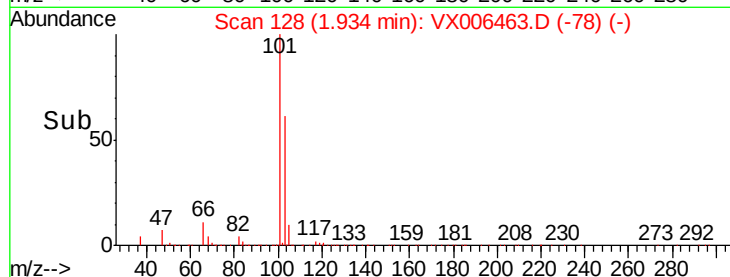
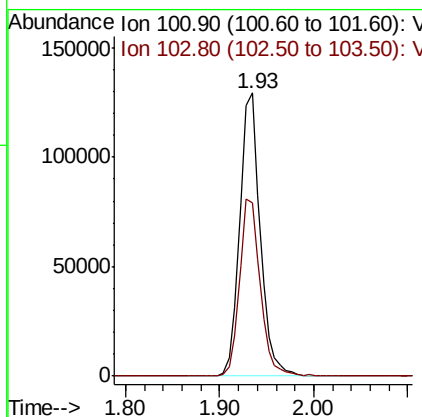
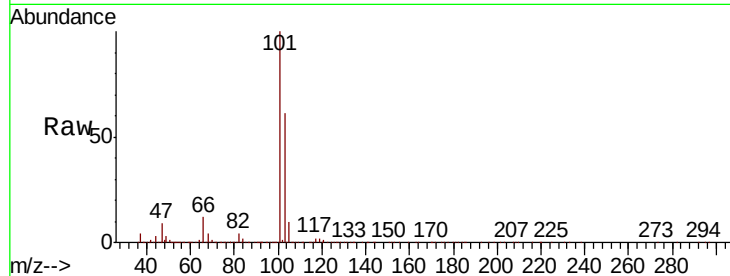
Trichlorofluoromethane
Concen: 22.008 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.0	76.4

Manual Integrations
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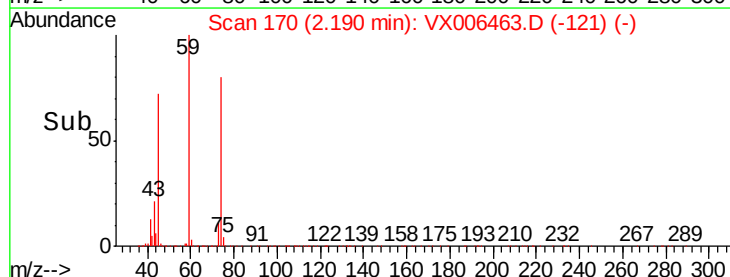
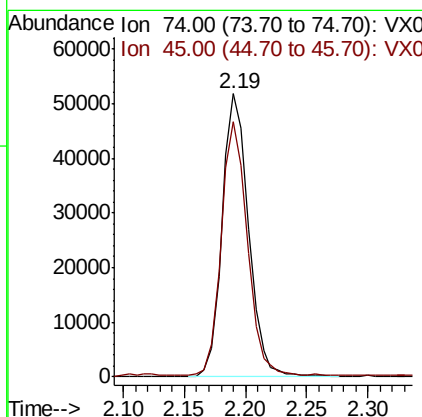
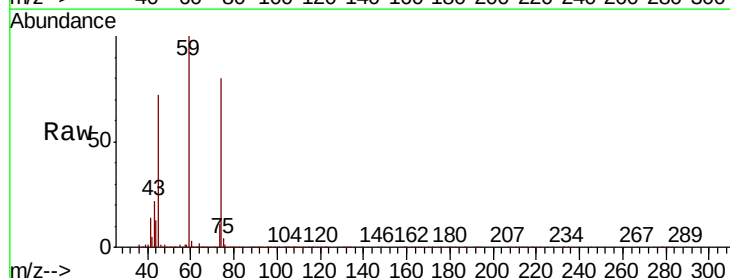
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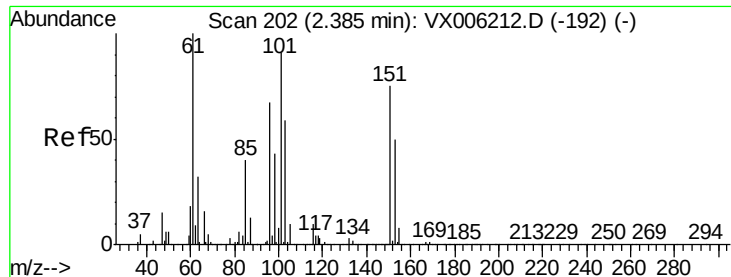


#8

Diethyl Ether
Concen: 23.017 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.0	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.150 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

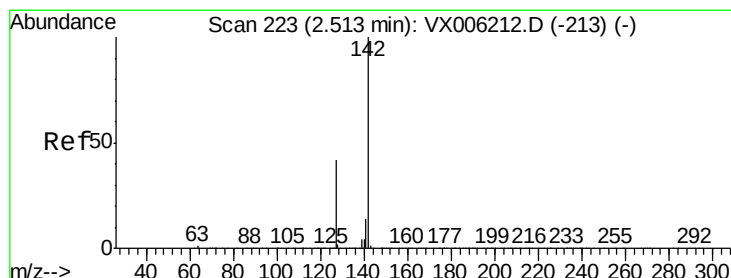
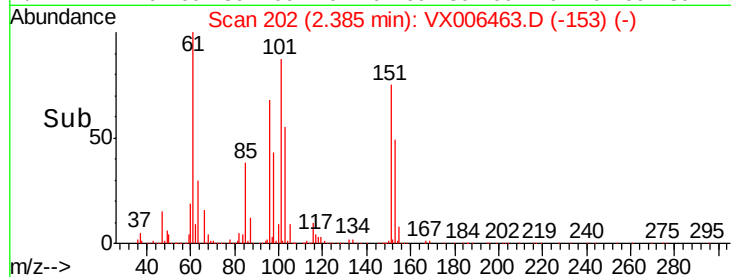
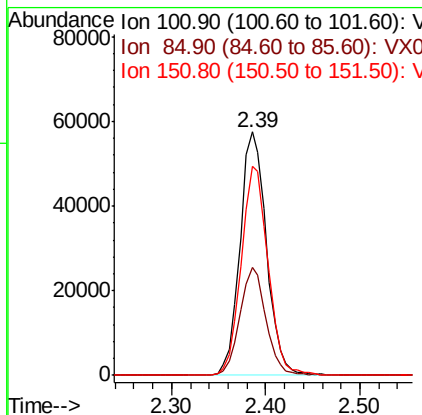
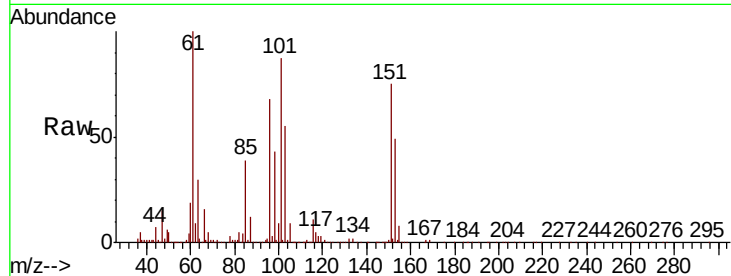
ClientSampleId :

VX1212WBS02

Tot Ion:	101	Resp:	112241
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.5	53.3
151	87.2	68.6	103.0

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#10

Methyl Iodide

Concen: 22.447 ug/l

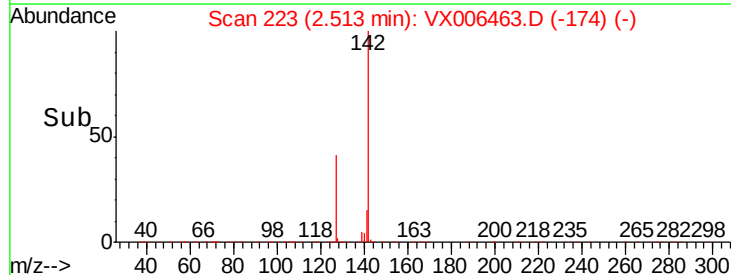
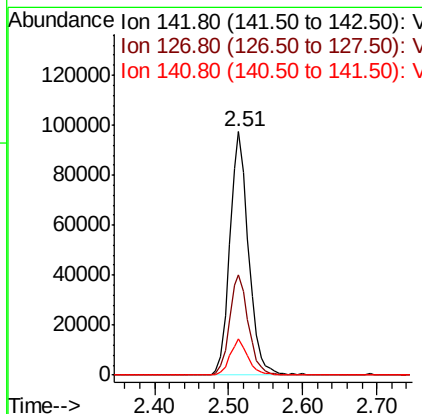
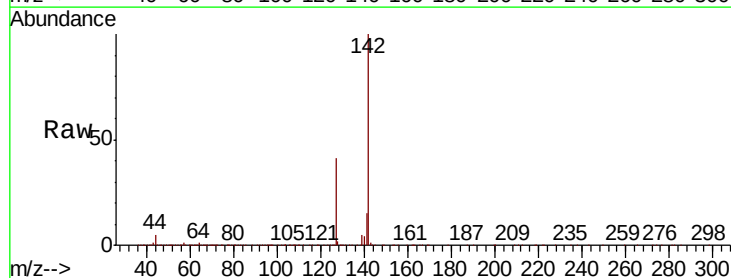
RT: 2.51 min Scan# 223

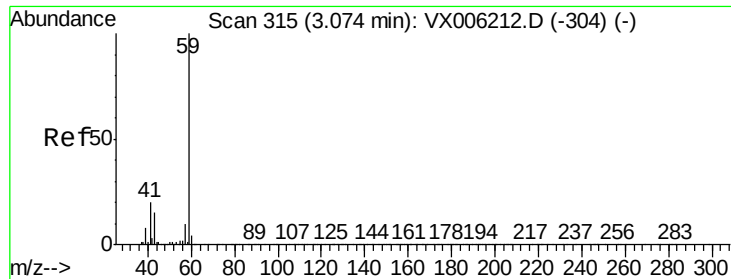
Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Tgt Ion:	142	Resp:	171419
Ion Ratio	Lower	Upper	
142	100		
127	41.3	34.8	52.2
141	14.1	11.4	17.2





#11

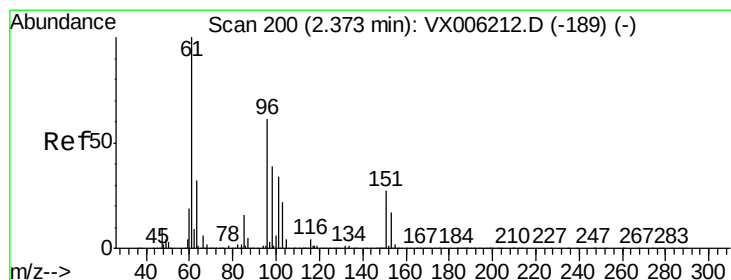
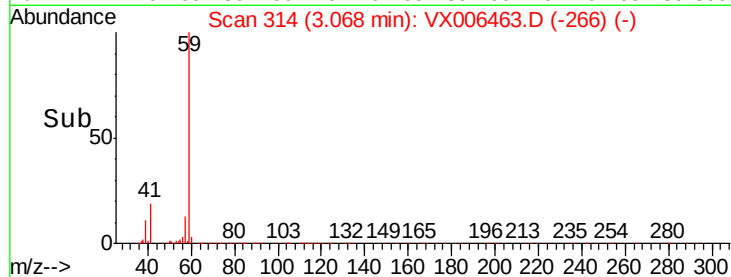
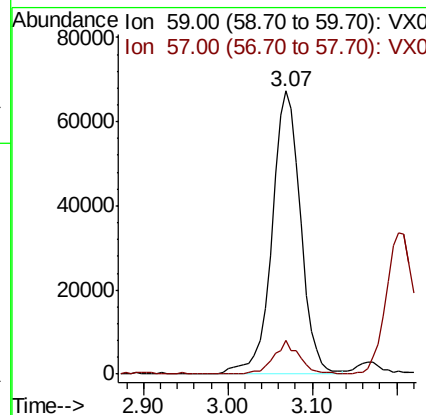
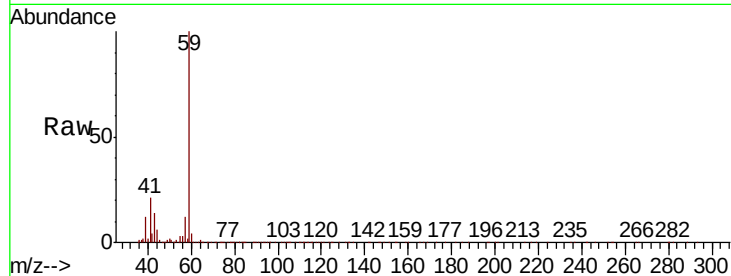
Tert butyl alcohol
Concen: 106.067 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	59	Resp	158746
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.2

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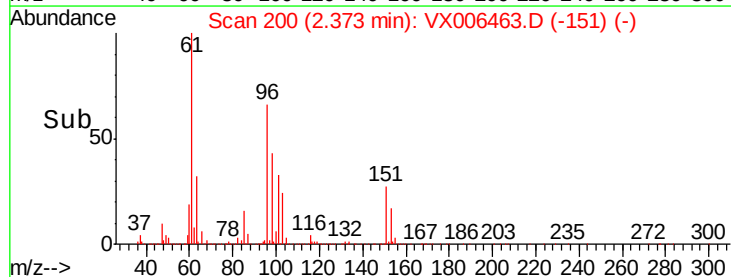
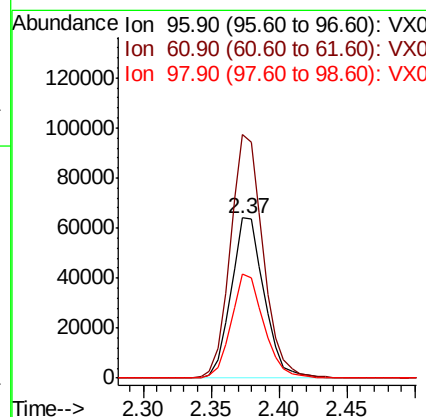
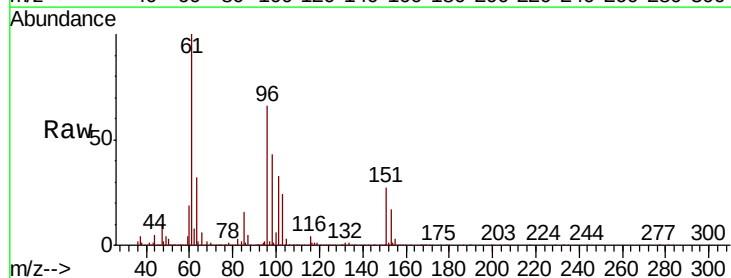
MMDadoda
12/13/2018 11:05:36 AM

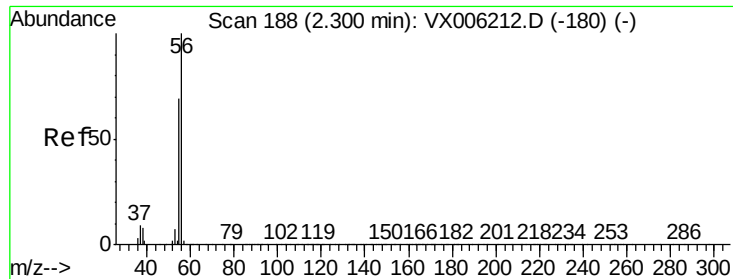


#12

1,1-Dichloroethene
Concen: 22.170 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	96	Resp	107547
Ion Ratio	100	Lower	Upper
61	151.8	131.7	197.5
98	65.3	51.8	77.6





#13

Acrolein

Concen: 112.351 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 56 Resp: 91905

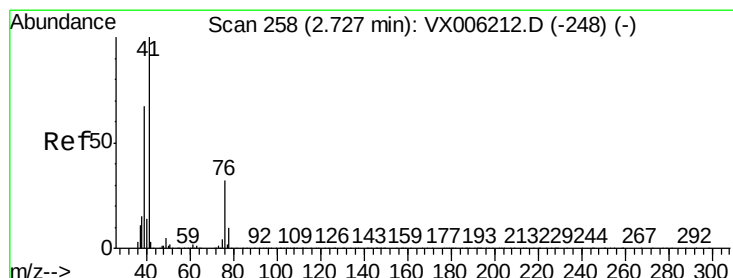
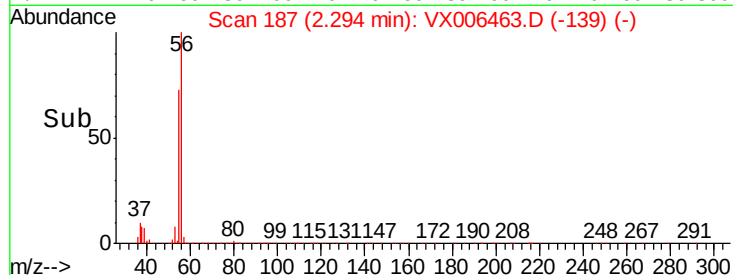
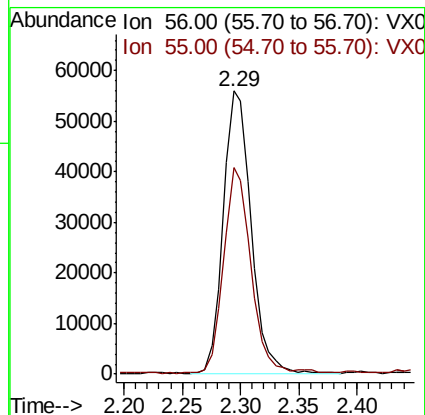
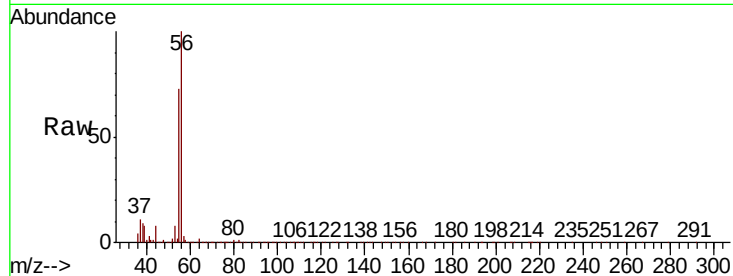
Ion Ratio Lower Upper

56 100

55 71.7 57.8 86.6

Manual Integrations
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#14

Allyl chloride

Concen: 19.040 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

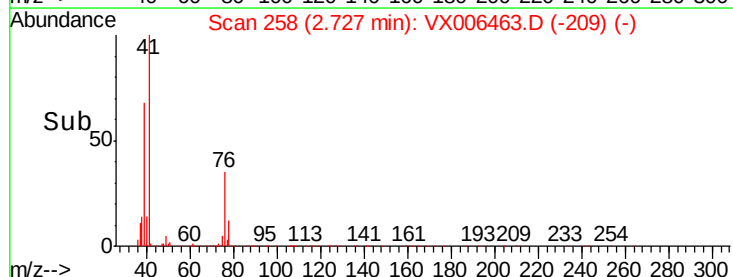
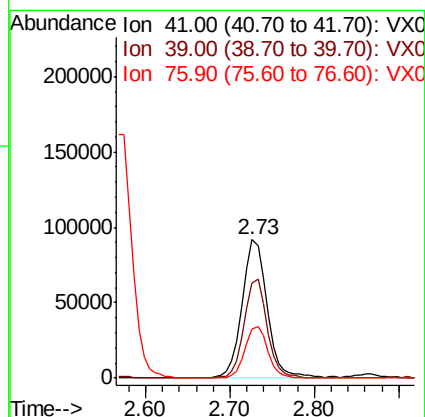
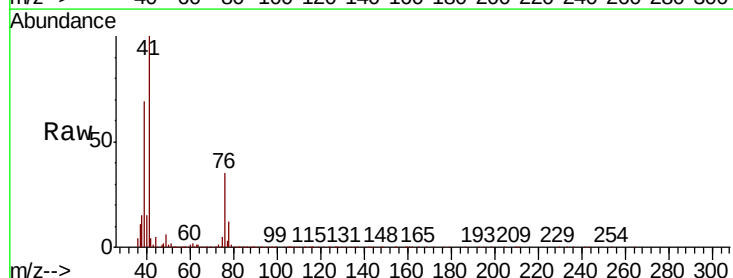
Tgt Ion: 41 Resp: 182450

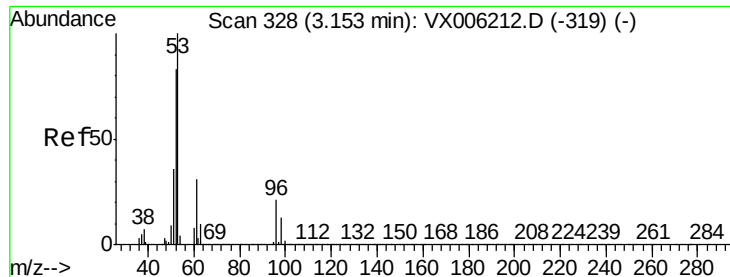
Ion Ratio Lower Upper

41 100

39 64.9 52.4 78.6

76 33.7 25.4 38.0





#15

Acrylonitrile

Concen: 107.232 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

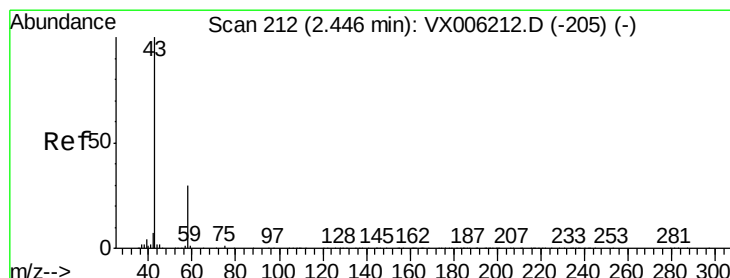
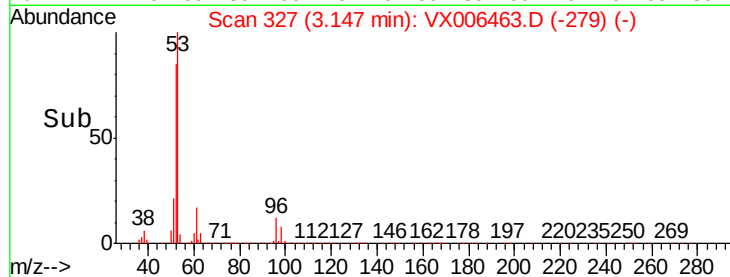
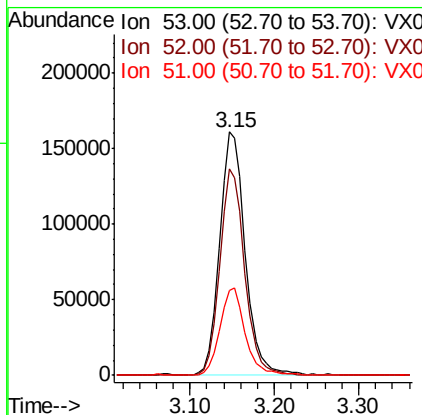
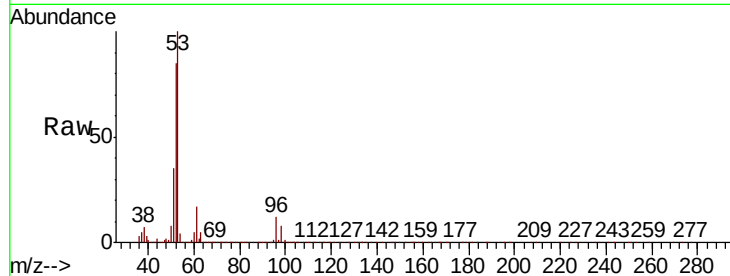
ClientSampleId :

VX1212WBS02

Tot Ion:	53	Resp:	334902
Ion Ratio		Lower	Upper
53	100		
52	82.1	66.2	99.4
51	35.3	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 105.502 ug/l

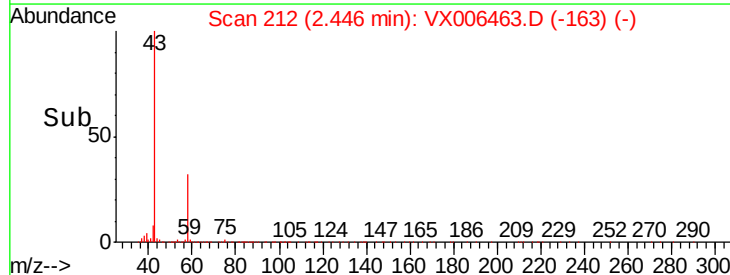
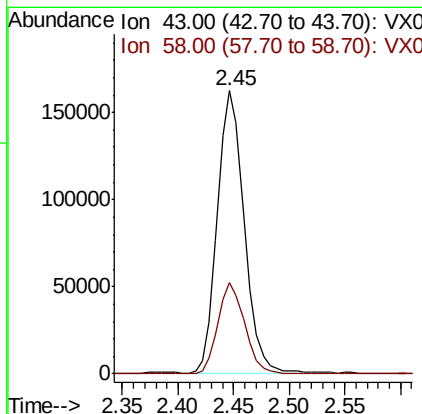
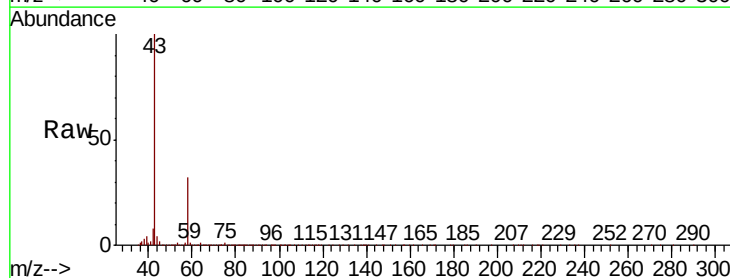
RT: 2.45 min Scan# 212

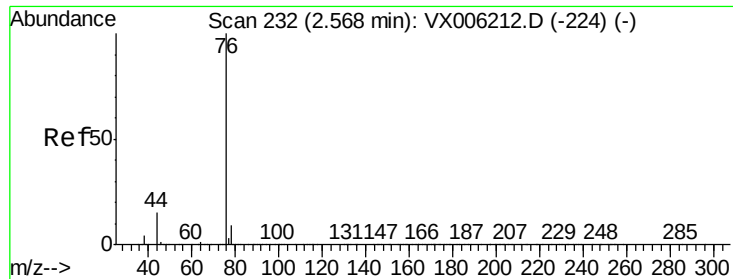
Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Tgt Ion:	43	Resp:	270962
Ion Ratio		Lower	Upper
43	100		
58	32.1	24.0	36.0





#17

Carbon Disulfide

Concen: 18.569 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 76 Resp: 277562

Ion Ratio Lower Upper

76 100

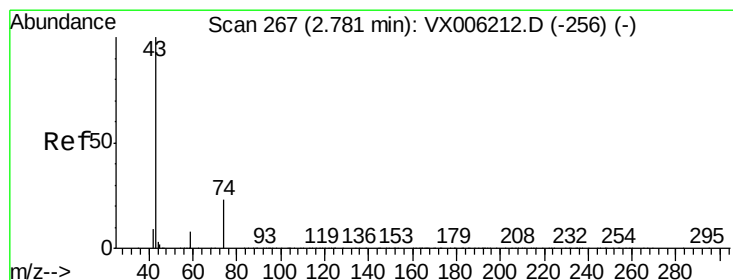
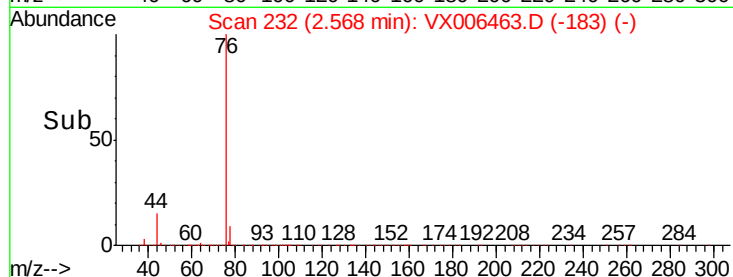
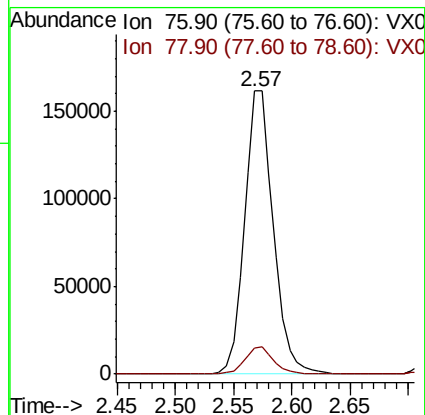
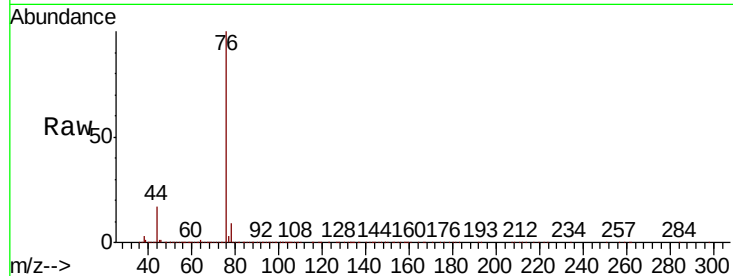
78 9.1 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 21.012 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006463.D

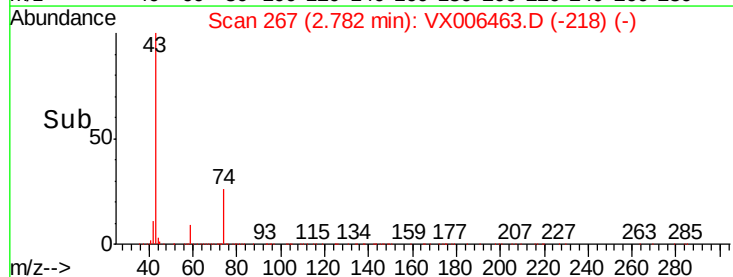
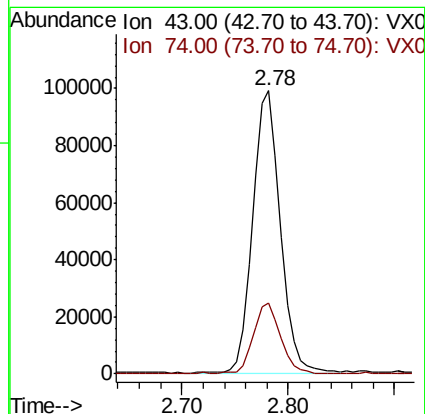
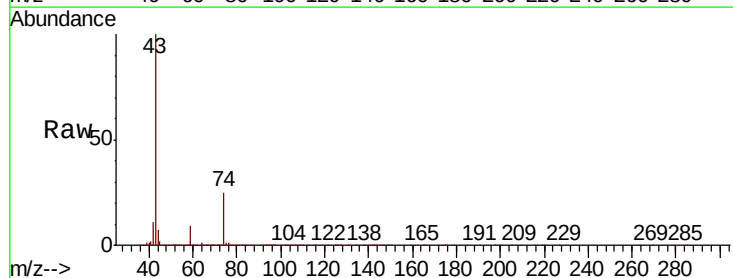
Acq: 13 Dec 2018 00:12

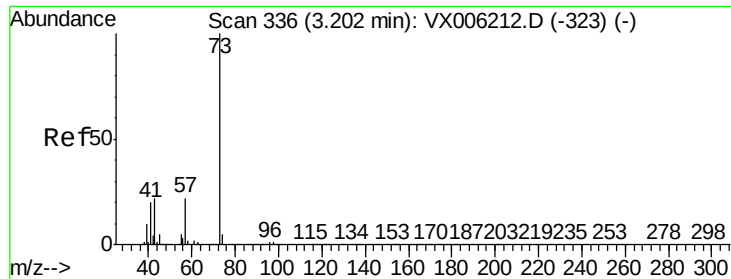
Tgt Ion: 43 Resp: 180469

Ion Ratio Lower Upper

43 100

74 25.0 17.9 26.9





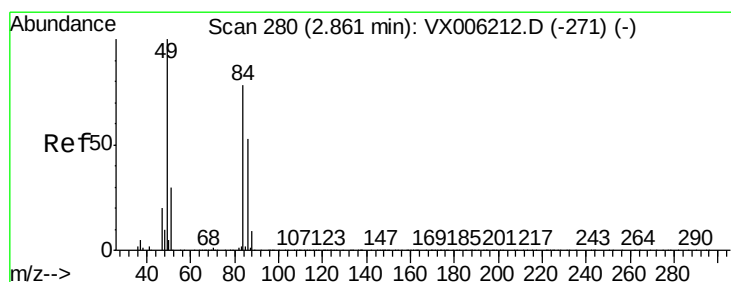
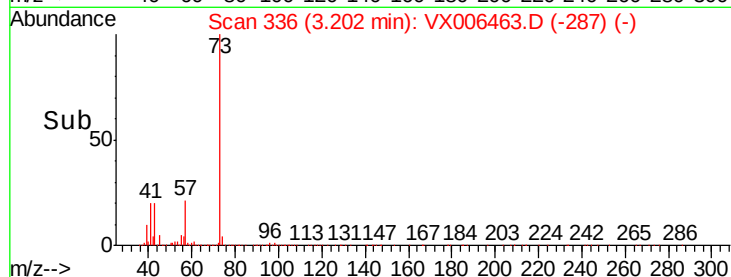
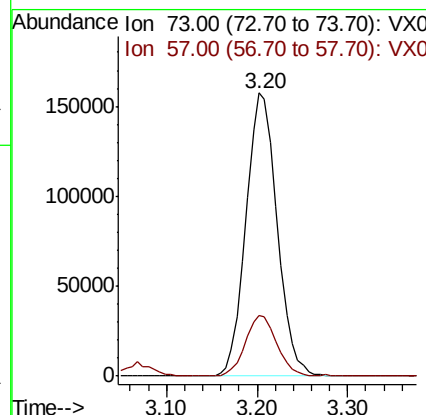
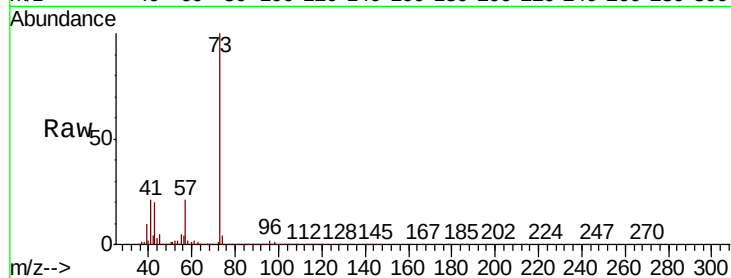
#19
Methyl tert-butyl Ether
Concen: 21.583 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.5	26.3

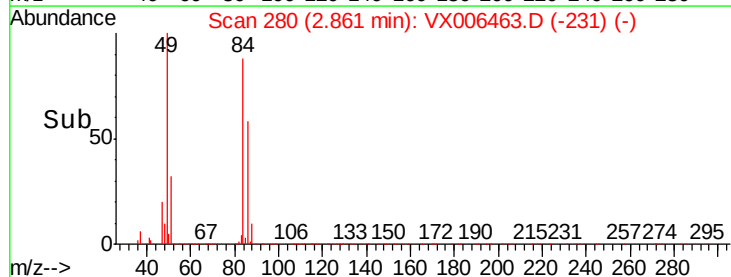
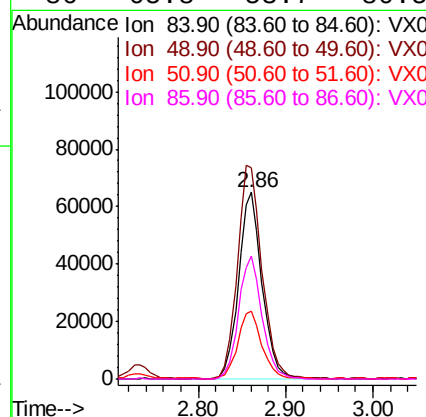
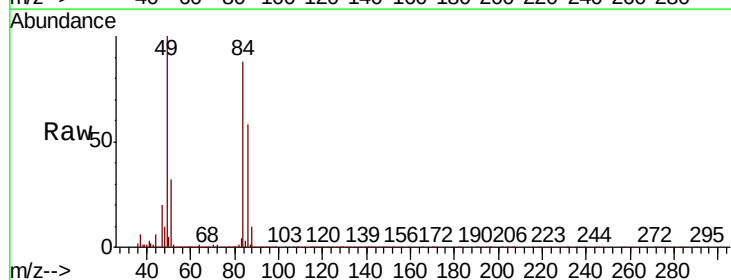
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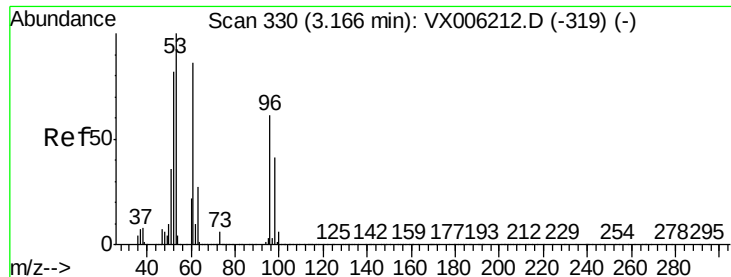
MMDadoda
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#20
Methylene Chloride
Concen: 22.280 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.8	102.2	153.4
51	36.0	31.1	46.7
86	65.8	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 22.157 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

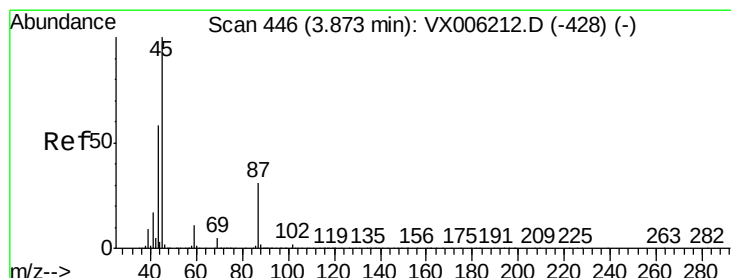
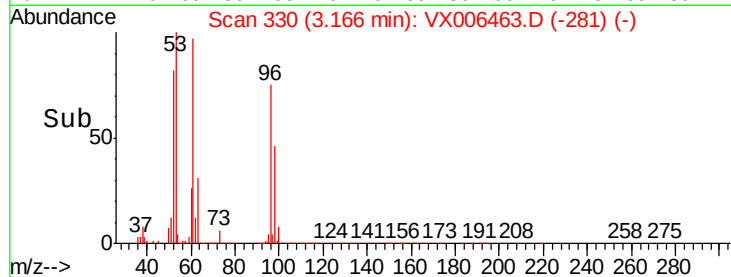
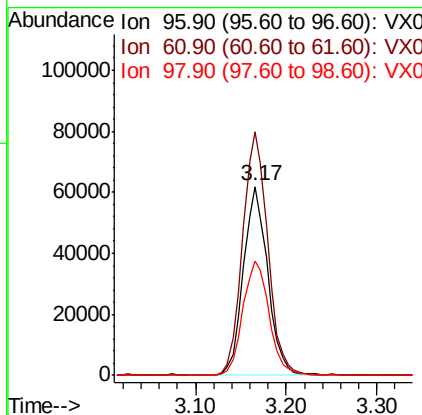
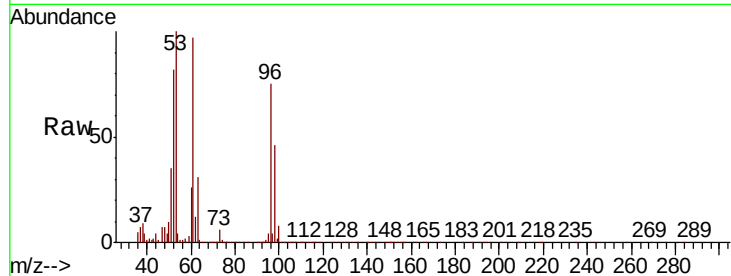
ClientSampleId :

VX1212WBS02

Tot Ion:	96	Resp:	114541
Ion Ratio	Lower	Upper	
96	100		
61	128.8	113.3	169.9
98	60.4	53.2	79.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.219 ug/l

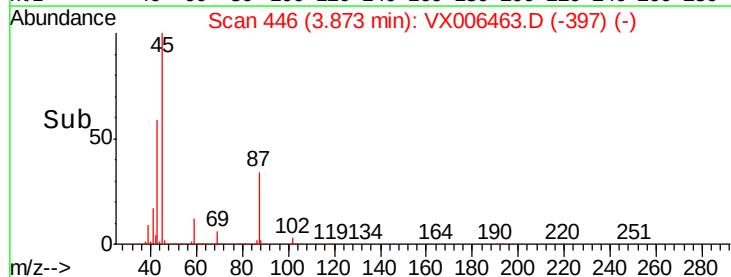
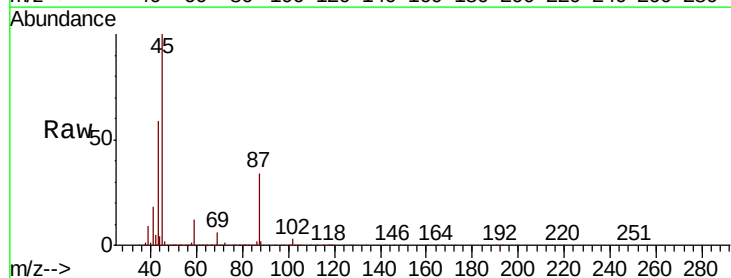
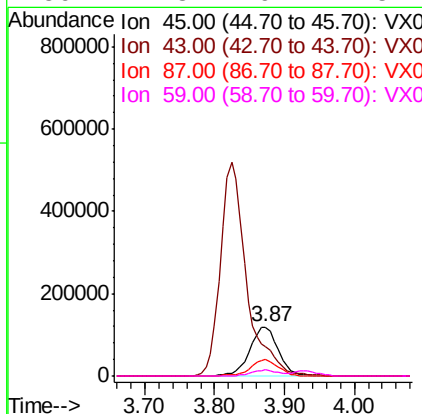
RT: 3.87 min Scan# 446

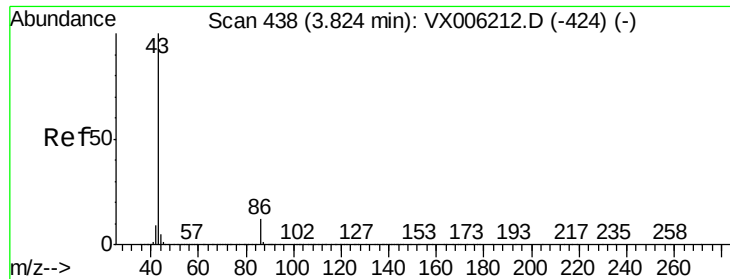
Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Tgt Ion:	45	Resp:	332564
Ion Ratio	Lower	Upper	
45	100		
43	58.9	46.2	69.2
87	33.8	24.9	37.3
59	11.8	9.1	13.7





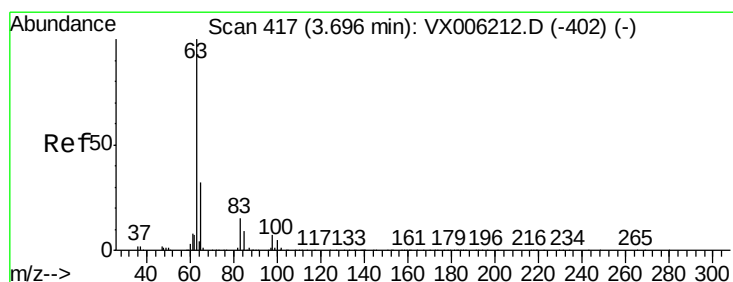
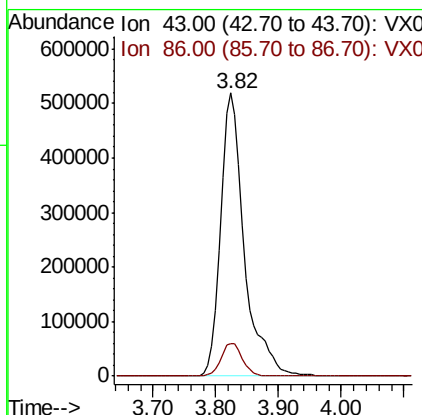
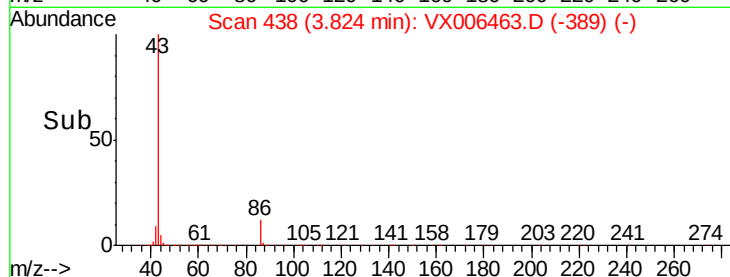
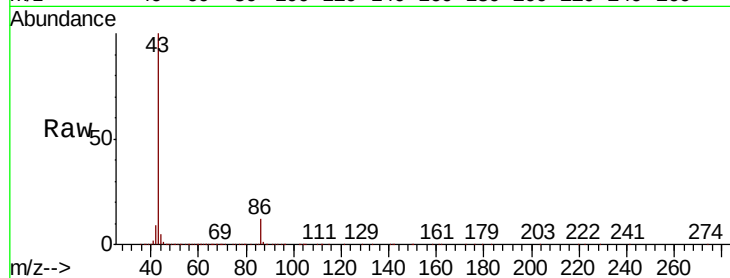
#23
 Vinyl Acetate
 Concen: 106.189 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion: 43 Resp: 1355609
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.4 14.0

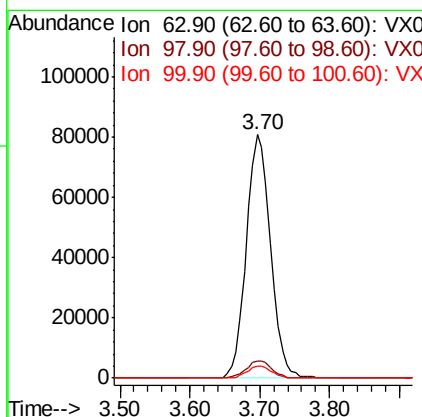
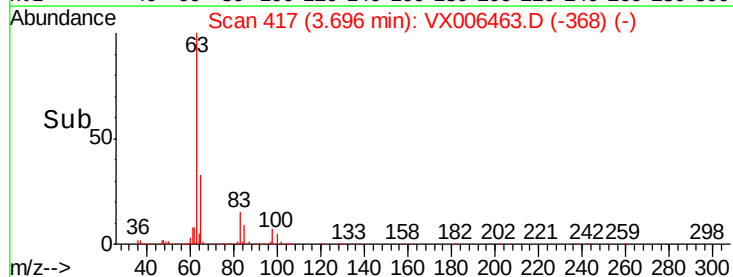
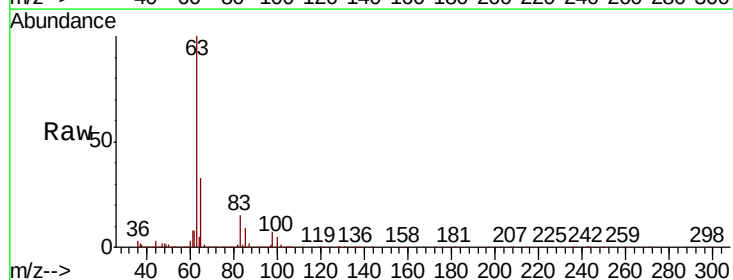
Manual Integrations
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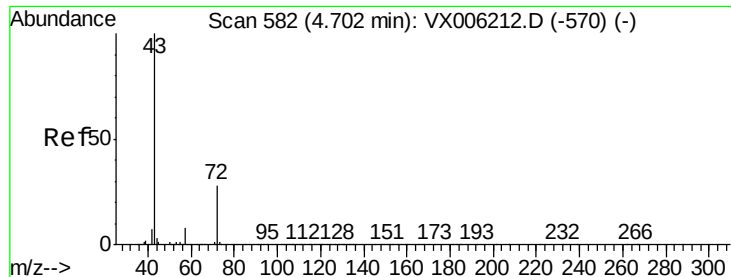
MMDadoda
 12/13/2018 11:05:36 AM



#24
 1,1-Dichloroethane
 Concen: 22.785 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Tgt Ion: 63 Resp: 194929
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.8 11.4
 100 5.1 2.5 7.4





#25

2-Butanone

Concen: 109.923 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 43 Resp: 402822

Ion Ratio Lower Upper

43 100

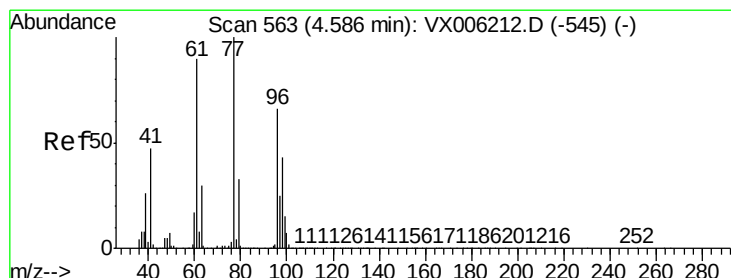
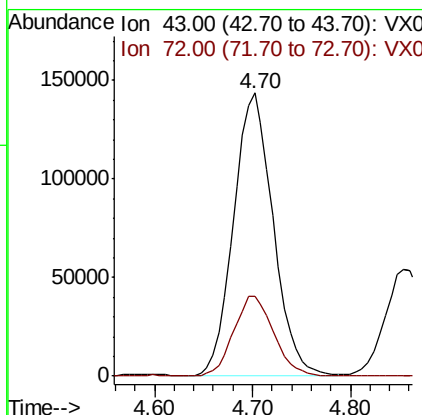
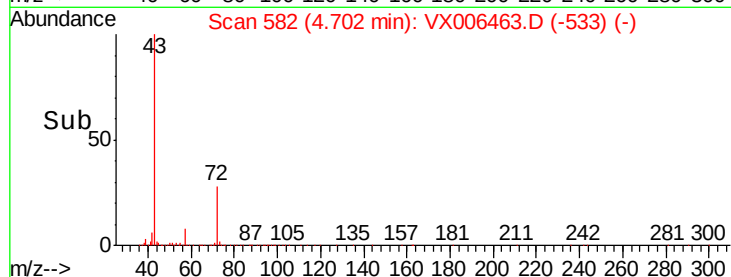
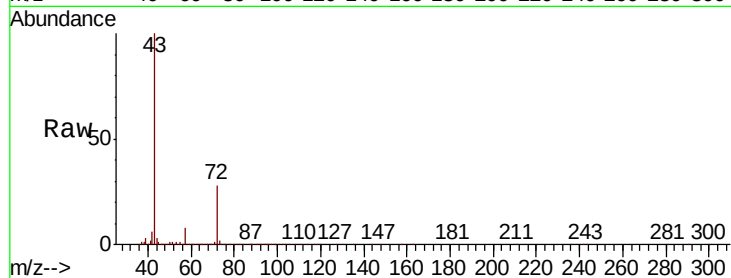
72 28.3 22.6 33.8

Manual Integrations

APPROVED

MMDadoda

12/13/2018 11:05:36 AM



#26

2,2-Dichloropropane

Concen: 16.383 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006463.D

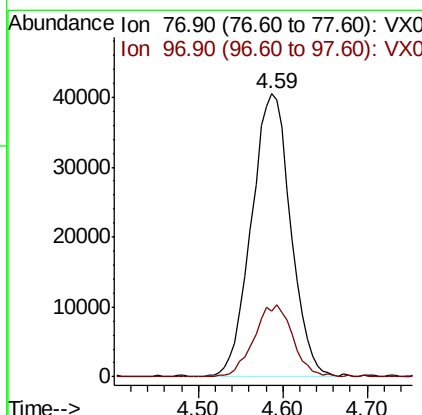
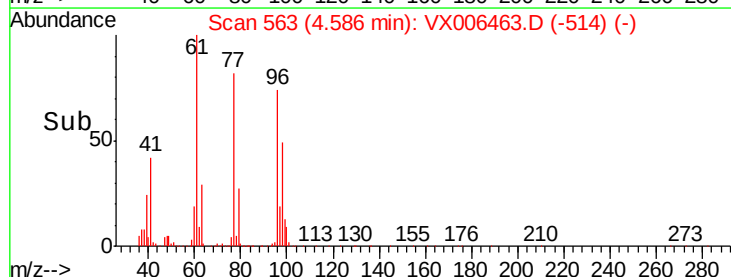
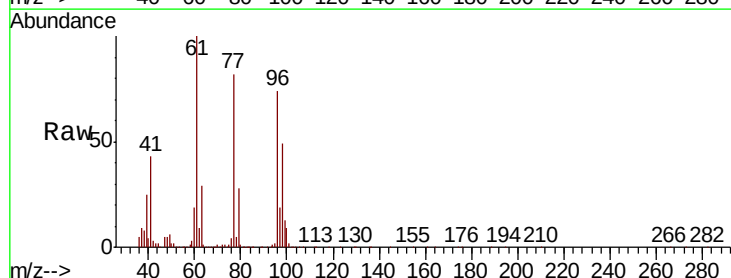
Acq: 13 Dec 2018 00:12

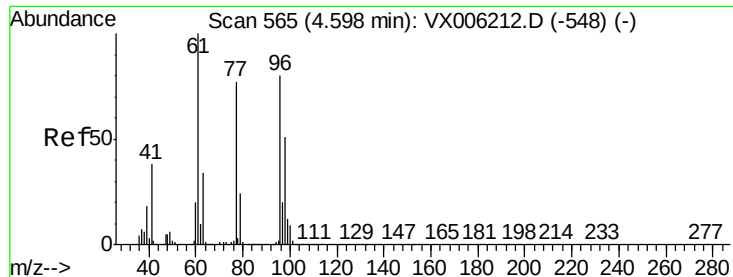
Tgt Ion: 77 Resp: 129346

Ion Ratio Lower Upper

77 100

97 25.2 12.3 36.8





#27

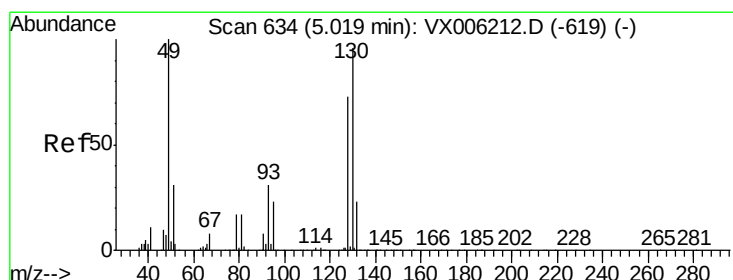
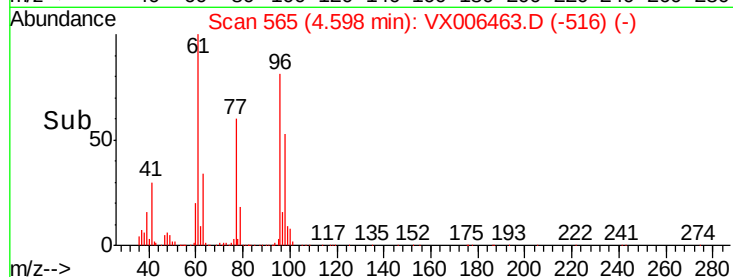
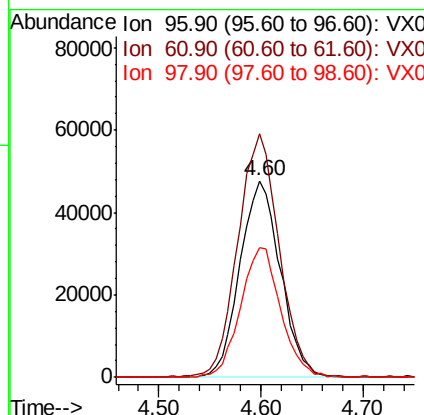
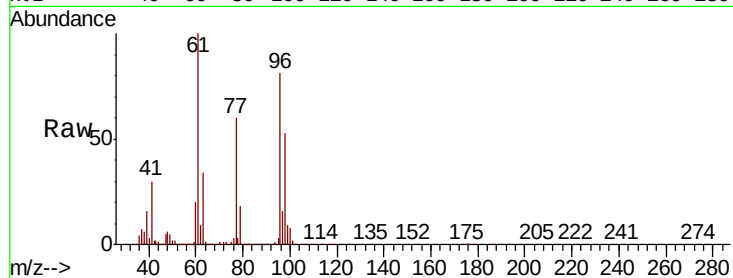
cis-1,2-Dichloroethene
 Concen: 22.768 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131285		
61	127.1	0.0	265.0	
98	66.0	0.0	130.2	

Manual Integrations
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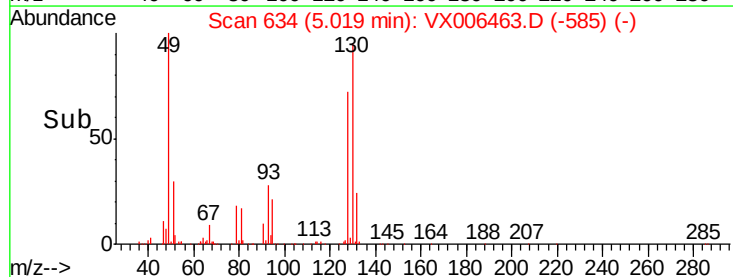
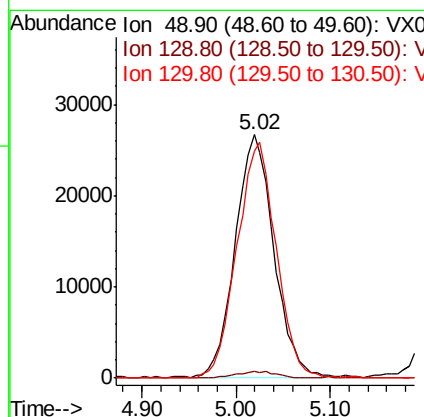
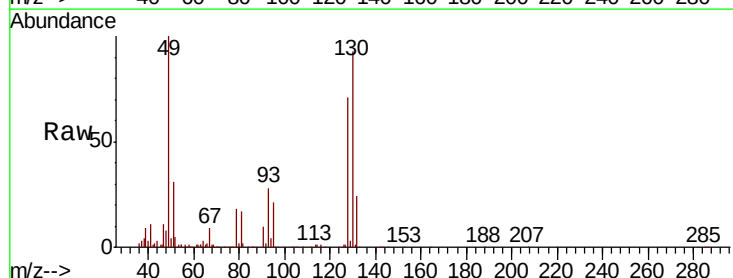
MMDadoda
 12/13/2018 11:05:36 AM

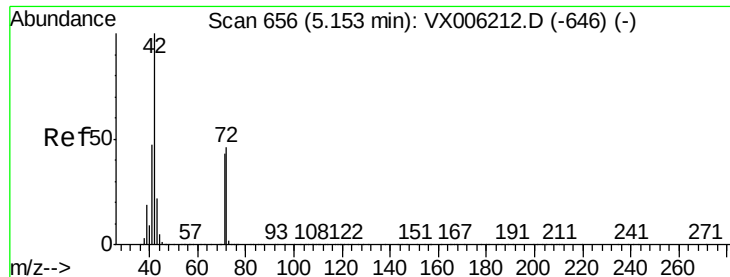


#28

Bromochloromethane
 Concen: 20.554 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	76805		
129	2.9	0.0	5.0	
130	98.1	78.3	117.5	





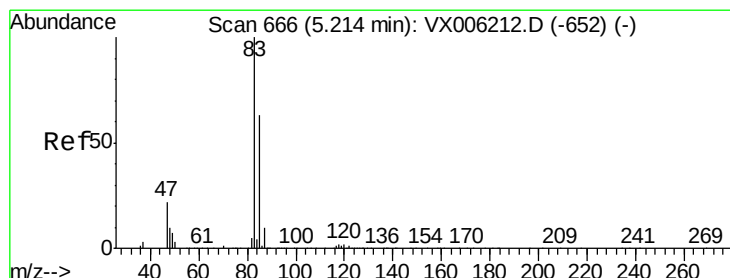
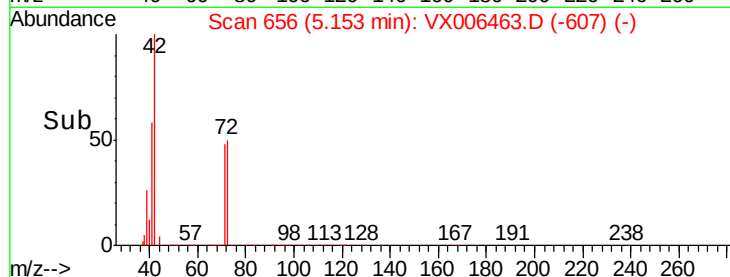
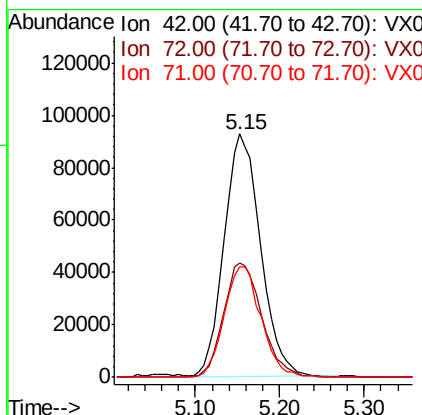
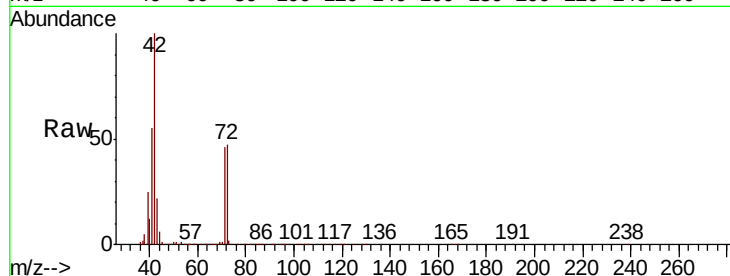
#29
Tetrahydrofuran
Concen: 107.084 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	37.8	56.8
71	46.3	35.2	52.8

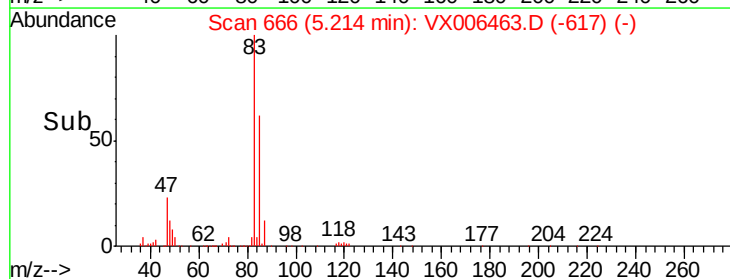
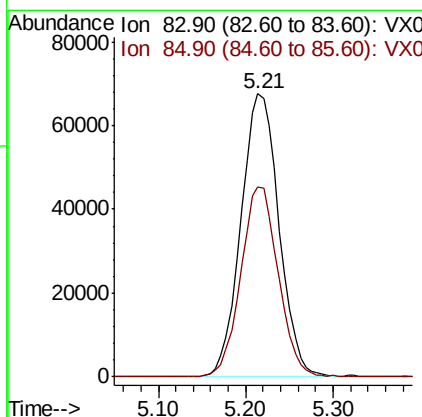
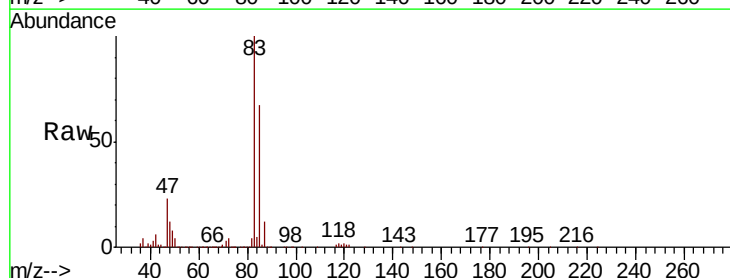
Manual Integrations
APPROVED

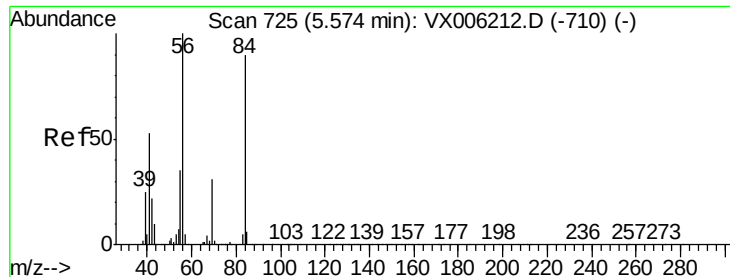
MMDadoda
12/13/2018 11:05:36 AM



#30
Chloroform
Concen: 22.698 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	50.3	75.5





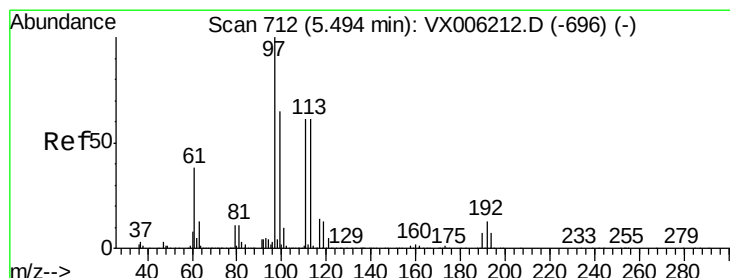
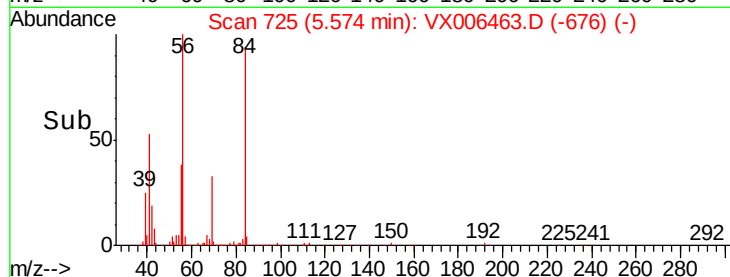
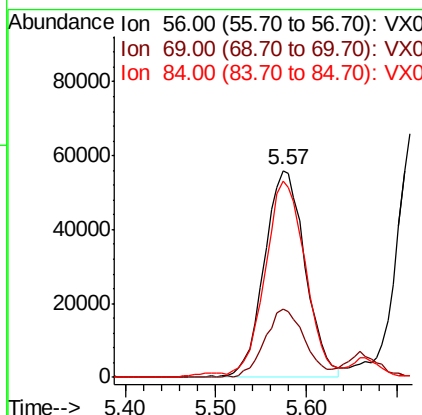
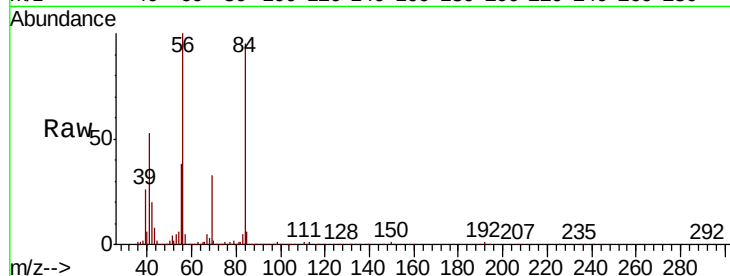
#31
Cyclohexane
Concen: 21.919 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	24.5	36.7
84	94.1	71.8	107.6

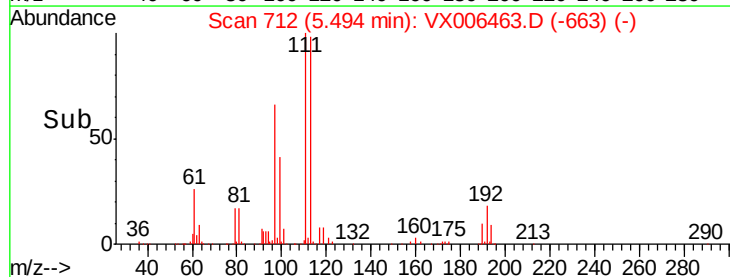
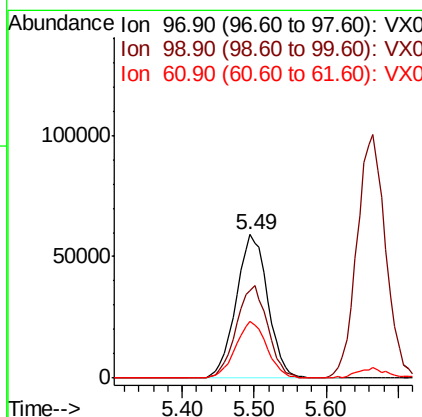
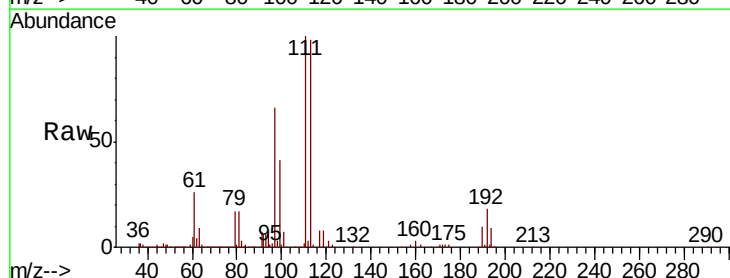
Manual Integrations
APPROVED

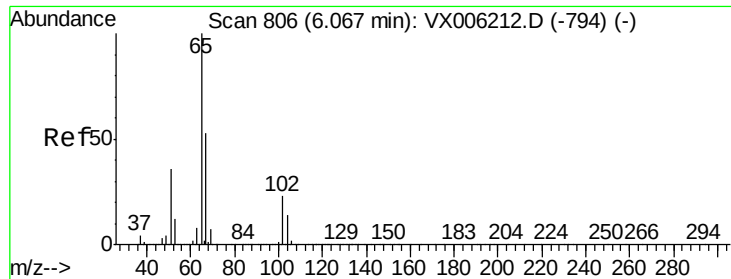
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.069 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	39.2	30.6	46.0





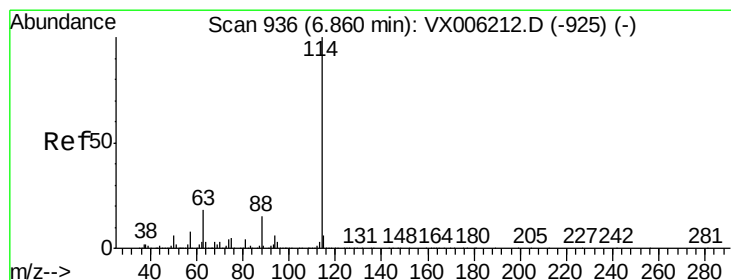
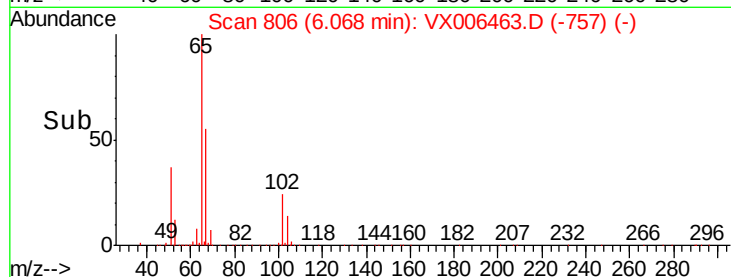
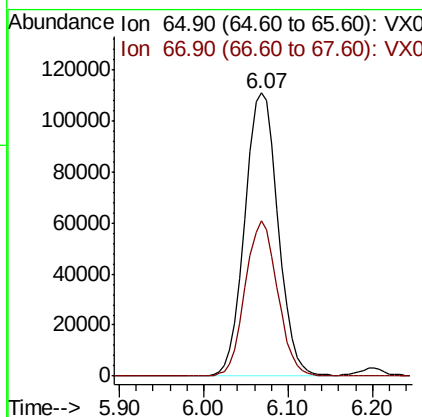
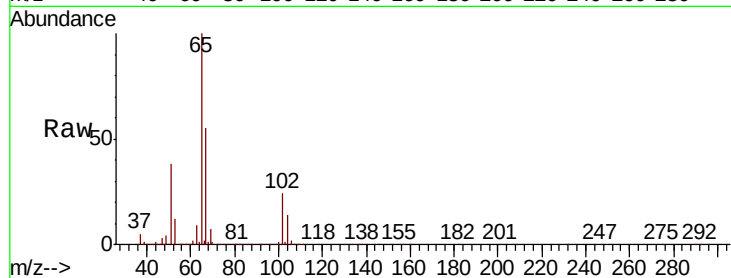
#33
 1,2-Dichloroethane-d4
 Concen: 54.156 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	107.2

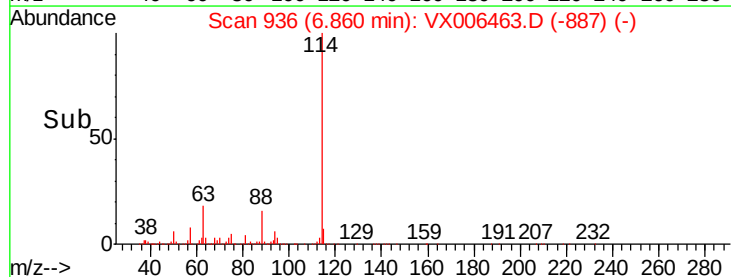
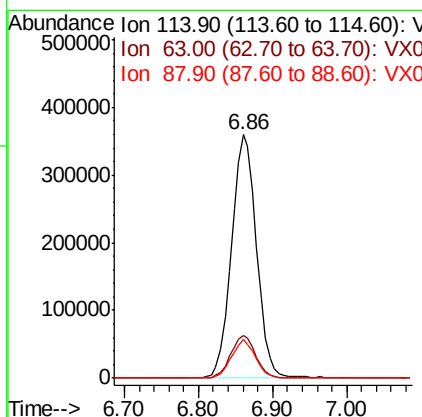
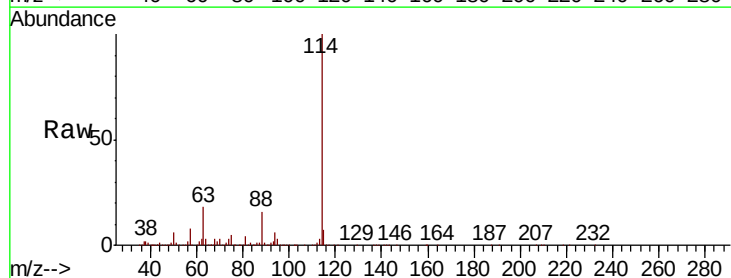
Manual Integrations
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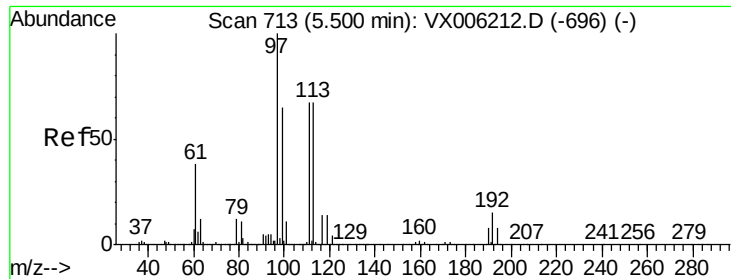
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 12/13/2018 11:05:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	36.6
88	15.9	0.0	29.0





#35

Dibromofluoromethane

Concen: 50.499 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

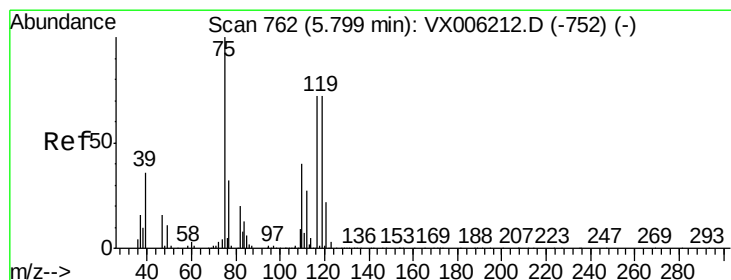
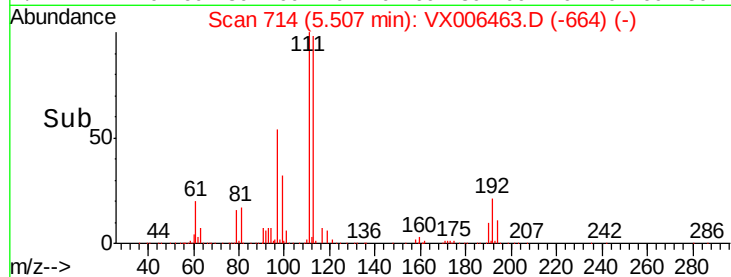
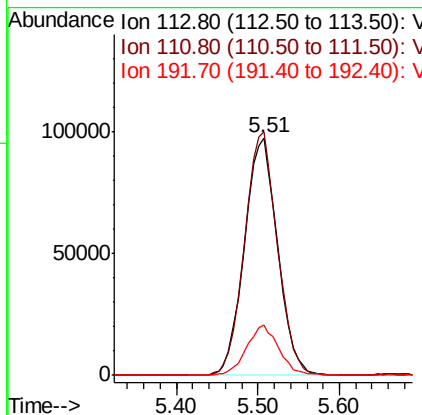
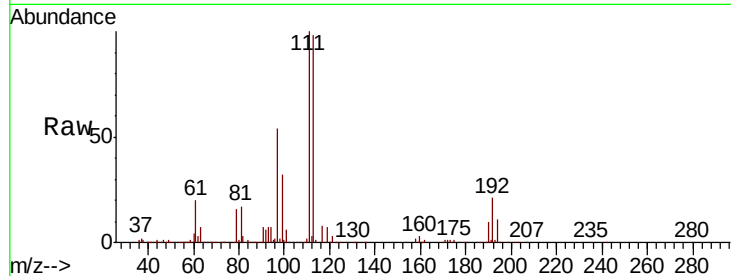
ClientSampleId :

VX1212WBS02

Tot Ion:	113	Resp:	275642
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.1	121.7
192	20.5	18.2	27.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.265 ug/l

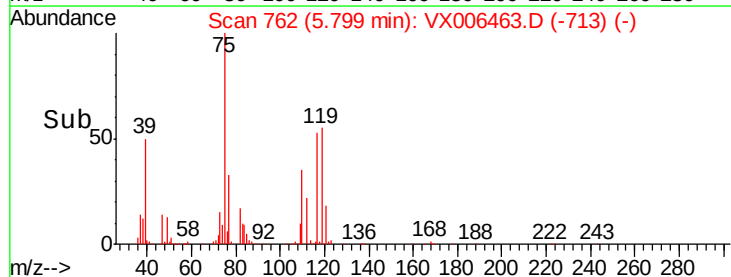
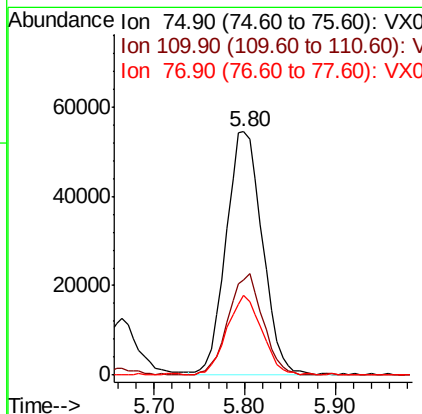
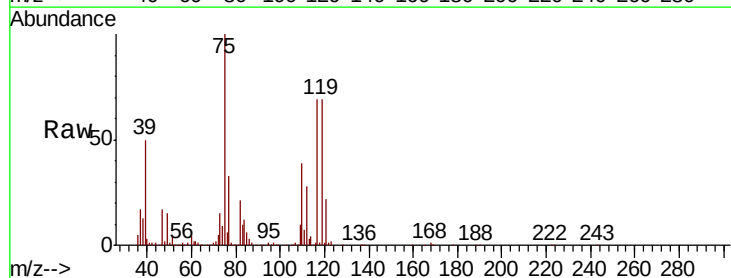
RT: 5.80 min Scan# 762

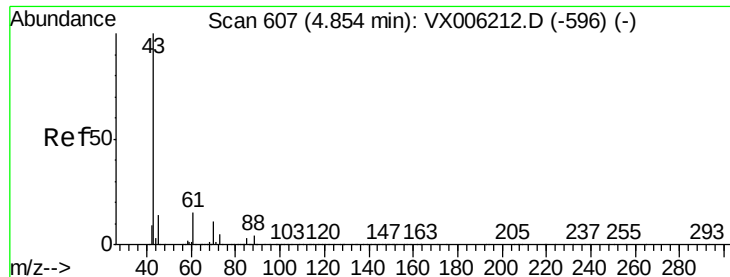
Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Tgt Ion:	75	Resp:	150969
Ion Ratio	Lower	Upper	
75	100		
110	39.8	20.4	61.3
77	31.3	24.9	37.3





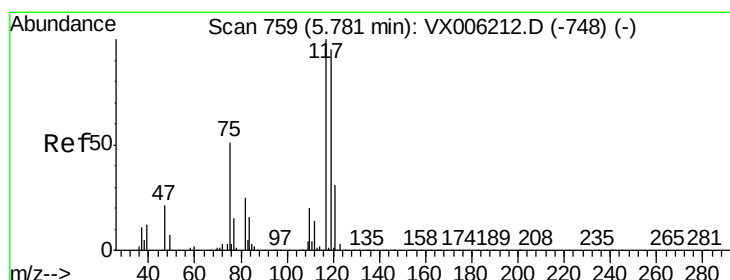
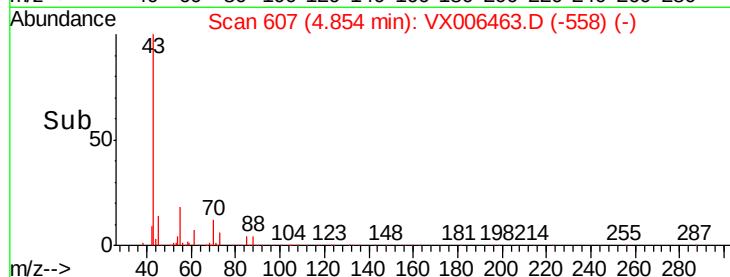
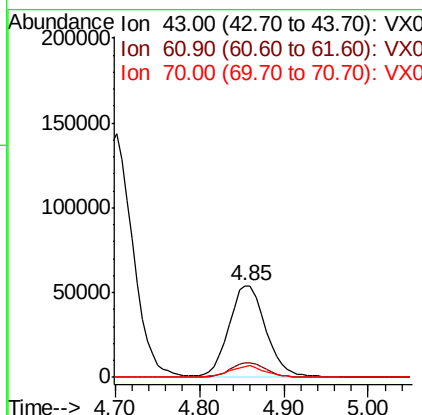
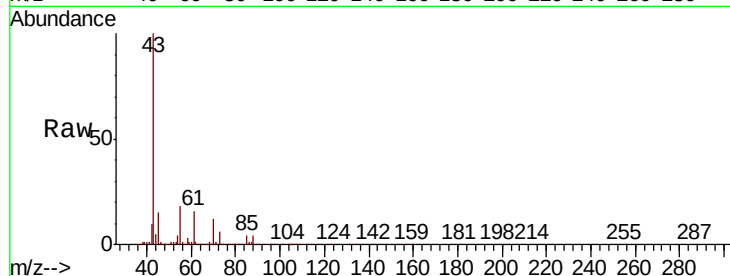
#37
Ethyl Acetate
Concen: 19.997 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	43	Resp	158979
Ion Ratio	Lower	Upper	
43	100		
61	15.4	11.5	17.3
70	12.3	9.0	13.6

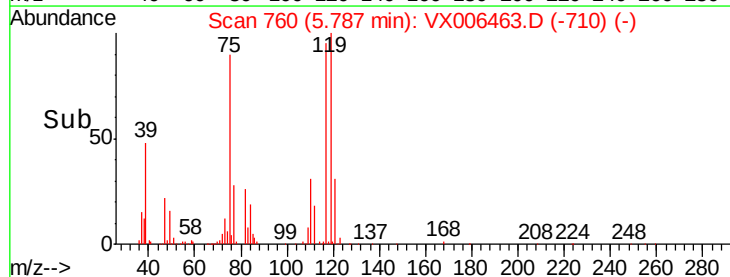
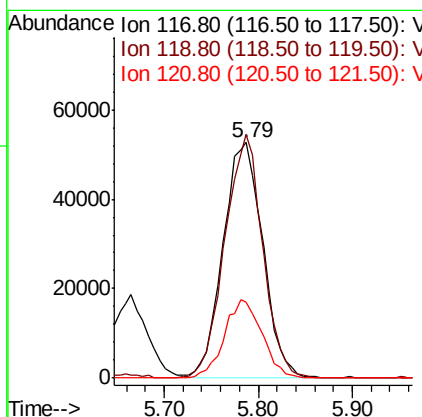
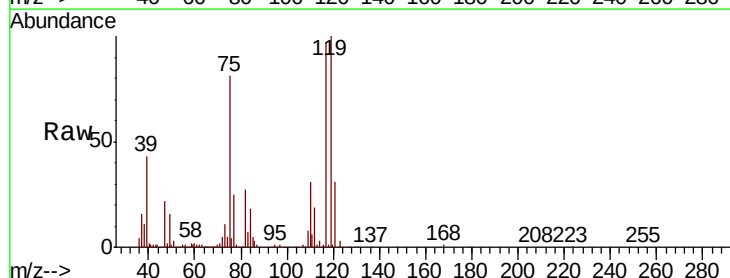
Manual Integrations
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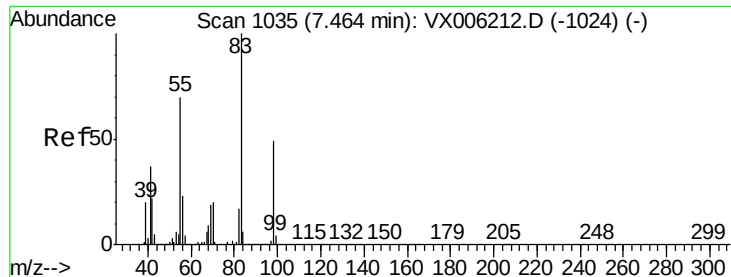
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#38
Carbon Tetrachloride
Concen: 18.442 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	117	Resp	154021
Ion Ratio	Lower	Upper	
117	100		
119	103.5	75.8	113.8
121	32.0	24.6	37.0





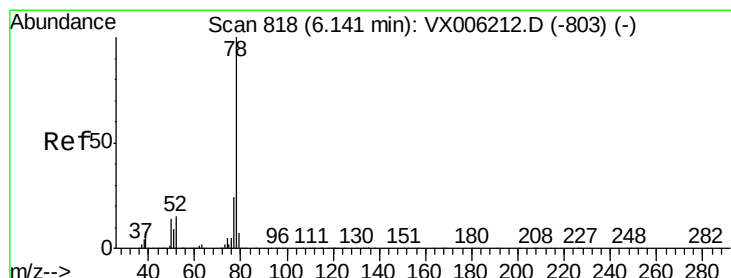
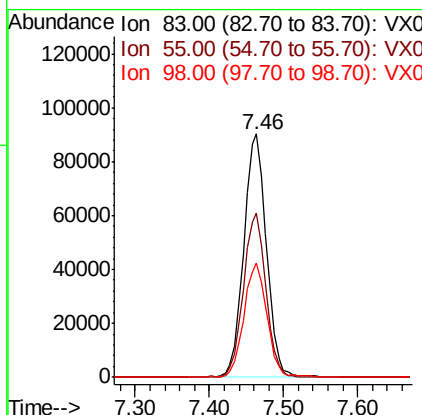
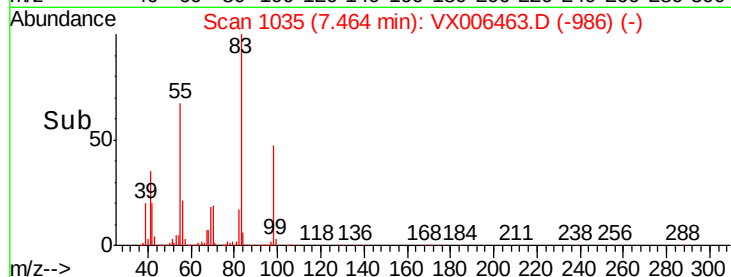
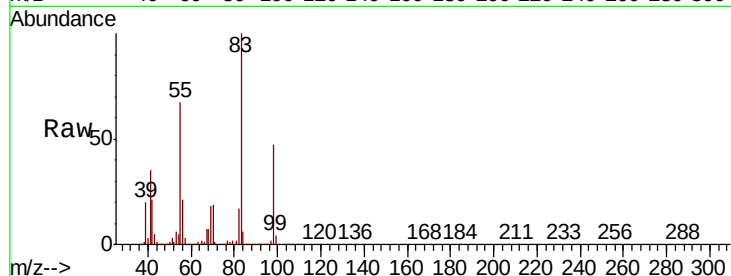
#39
Methylvlcyclohexane
Concen: 20.931 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.2	56.4	84.6
98	46.7	39.0	58.6

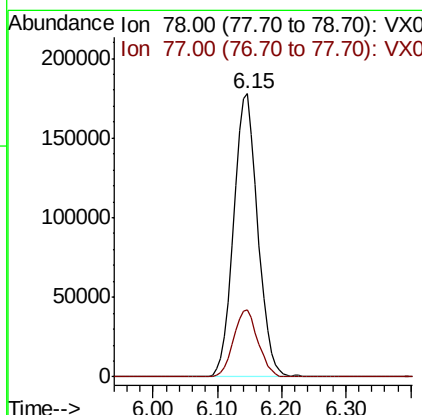
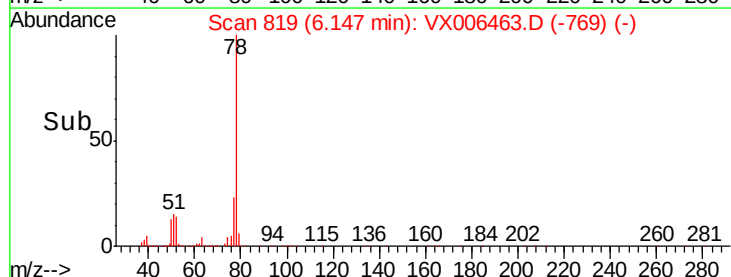
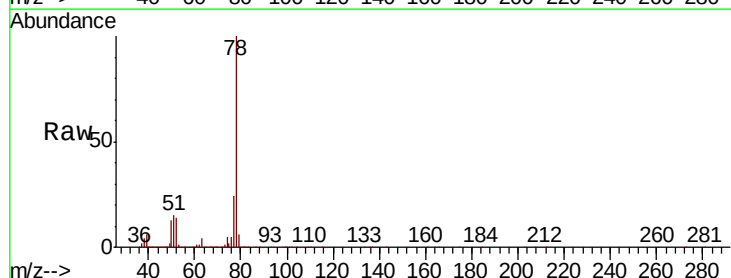
Manual Integrations
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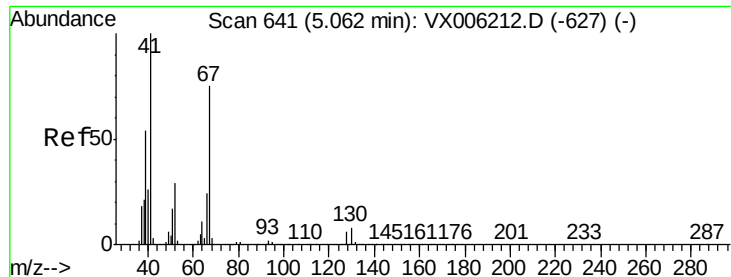
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#40
Benzene
Concen: 21.890 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





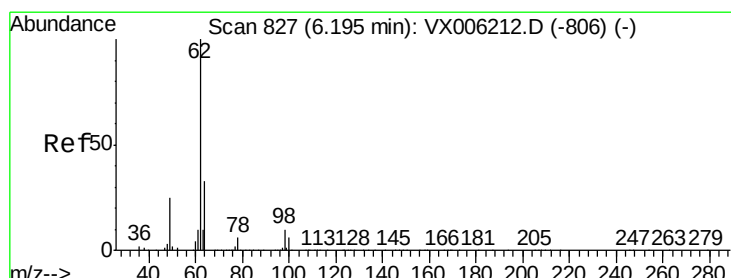
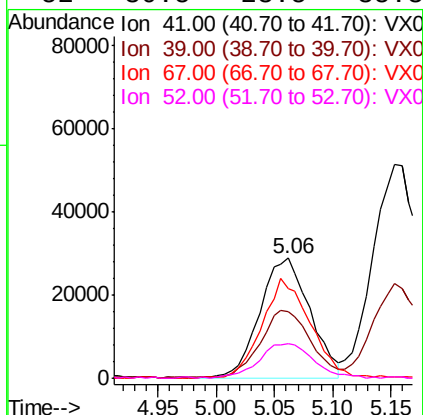
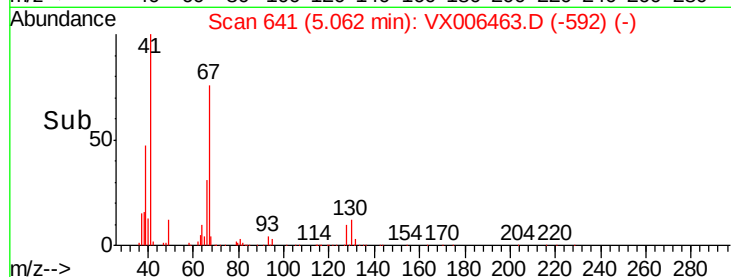
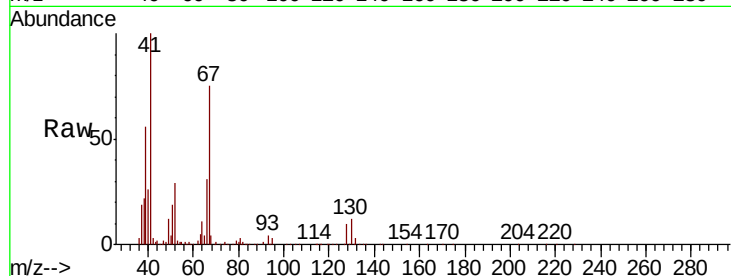
#41
Methacrylonitrile
Concen: 19.626 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.0	66.0
67	80.7	61.4	92.0
52	30.5	23.5	35.3

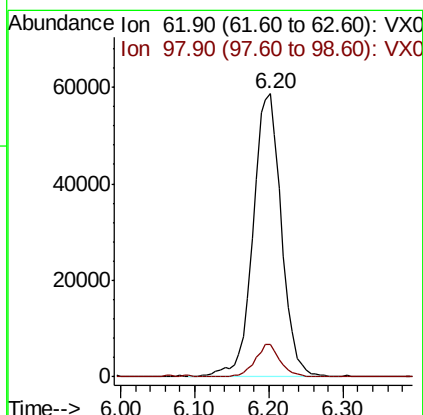
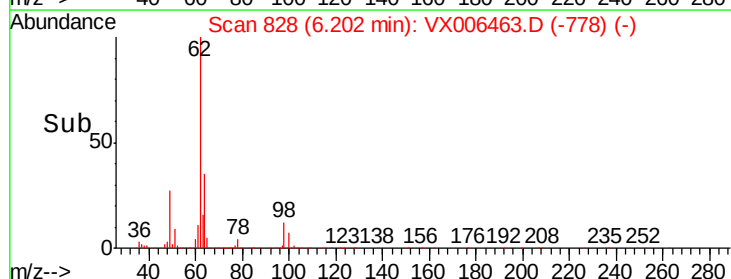
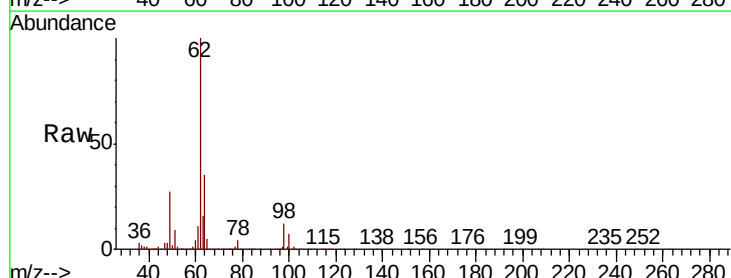
Manual Integrations
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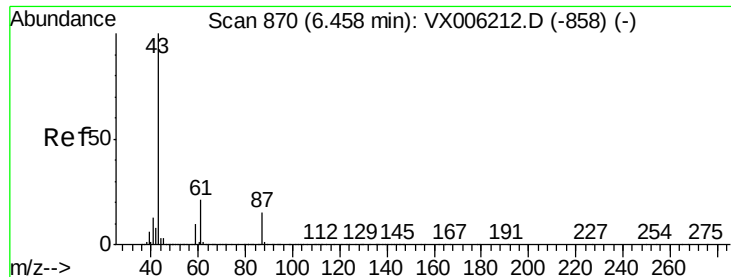
MMDadoda
12/13/2018 11:05:36 AM



#42
1,2-Dichloroethane
Concen: 22.264 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2





#43

Isopropyl Acetate

Concen: 18.841 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

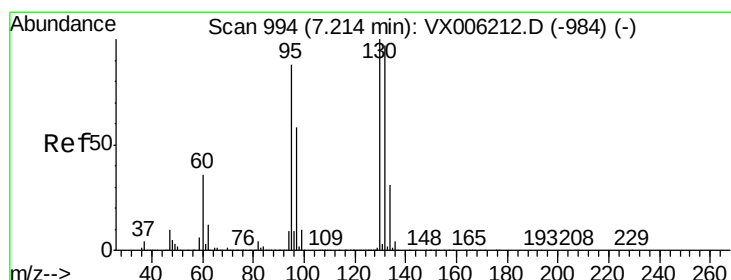
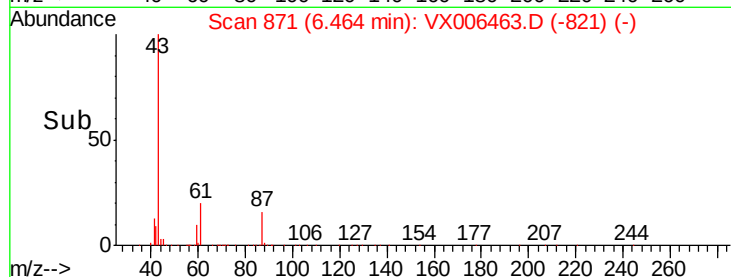
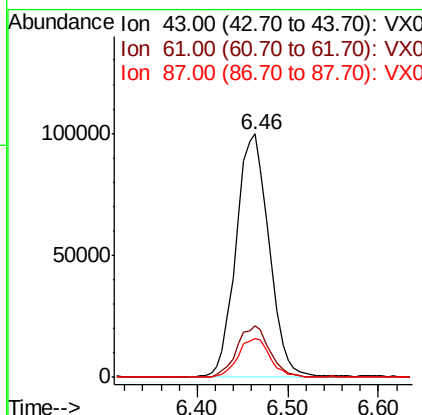
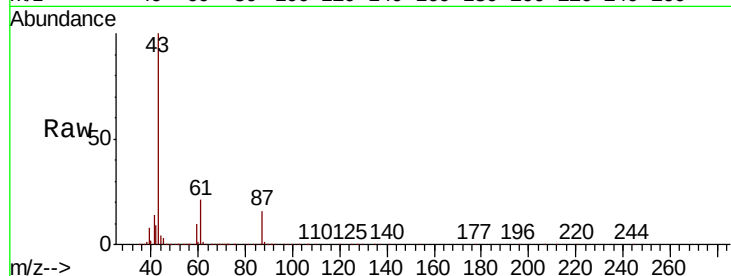
ClientSampleId :

VX1212WBS02

Tot Ion:	43	Resp:	249751
Ion	Ratio	Lower	Upper
43	100		
61	21.5	16.8	25.2
87	15.7	11.9	17.9

Manual Integrations
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#44

Trichloroethene

Concen: 20.977 ug/l

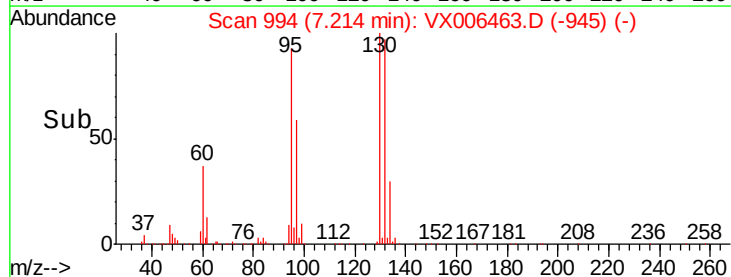
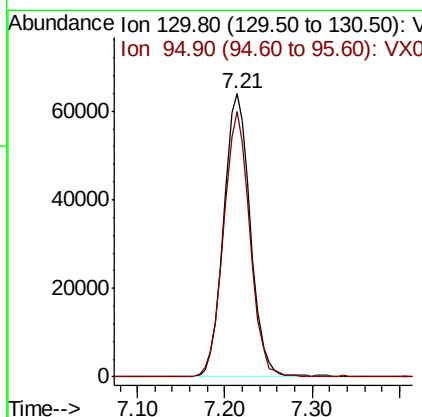
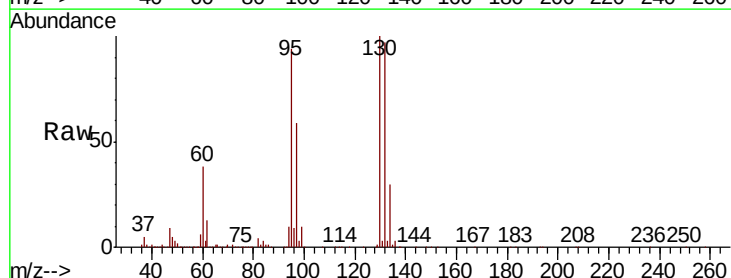
RT: 7.21 min Scan# 994

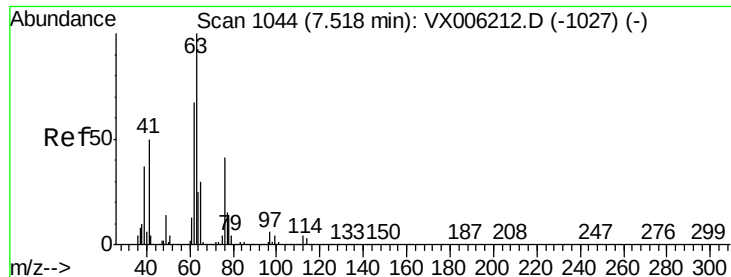
Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Tgt Ion:	130	Resp:	135123
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	175.8





#45

1,2-Dichloropropane

Concen: 20.915 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 63 Resp: 113026

Ion Ratio Lower Upper

63 100

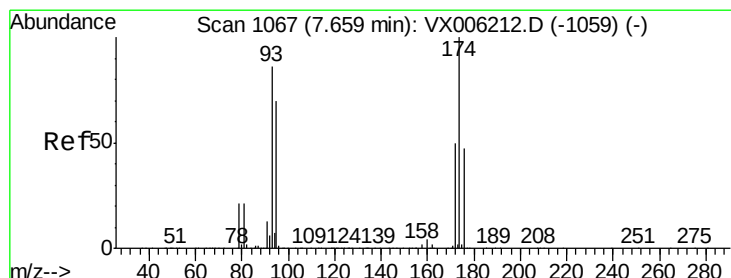
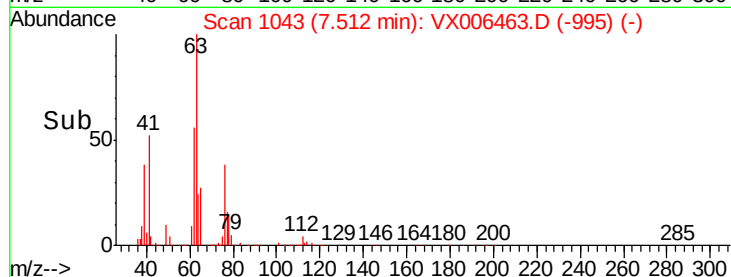
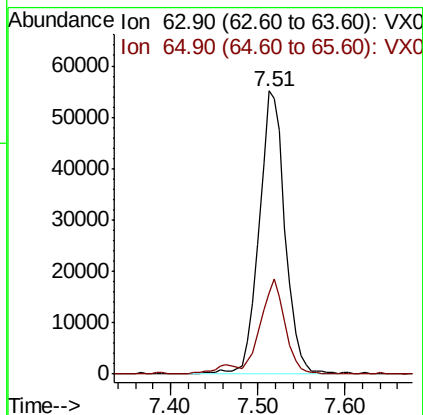
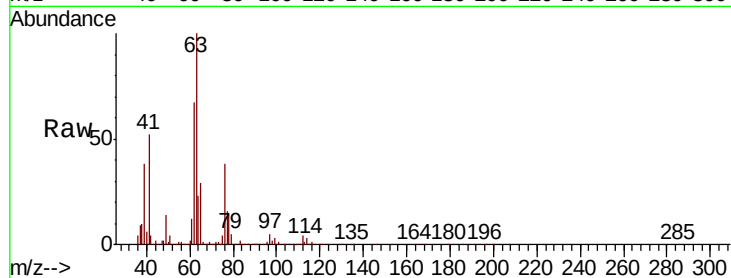
65 28.4 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 20.957 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

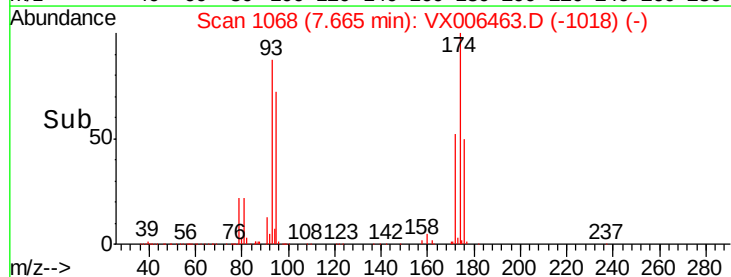
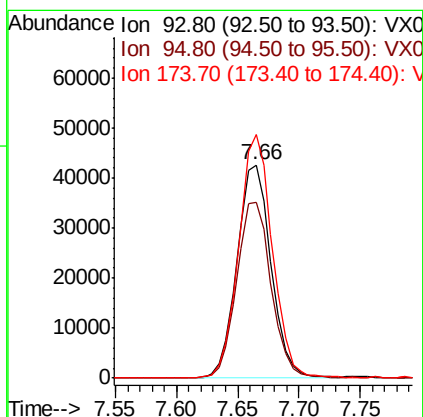
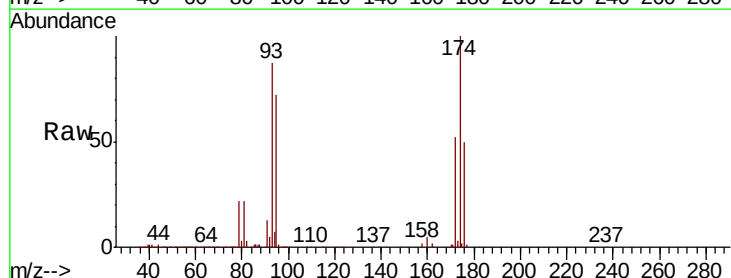
Tgt Ion: 93 Resp: 81794

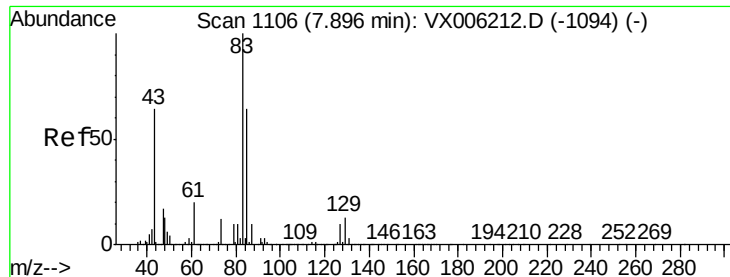
Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

174 113.8 97.2 145.8





#47

Bromodichloromethane

Concen: 18.827 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

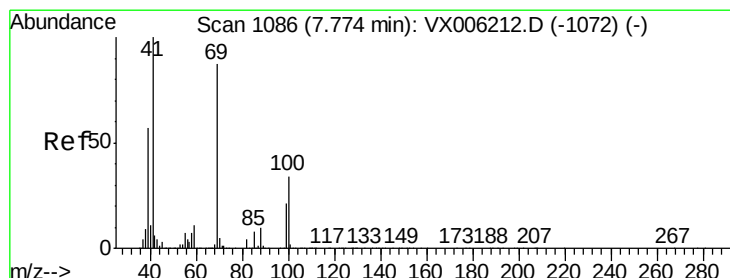
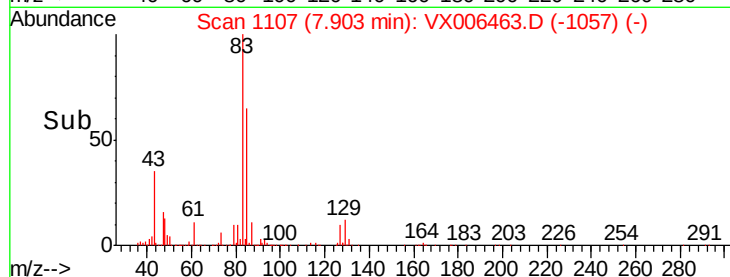
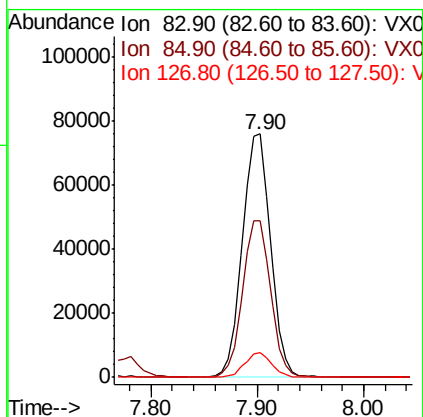
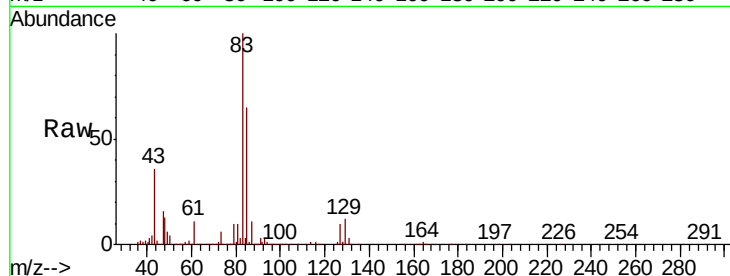
ClientSampleId :

VX1212WBS02

Tot Ion:	83	Resp:	142296
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.4	77.0
127	10.3	7.9	11.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.847 ug/l

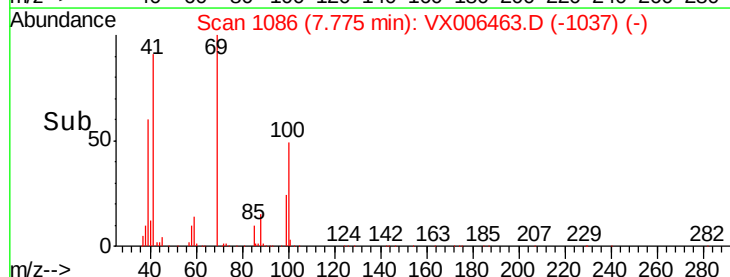
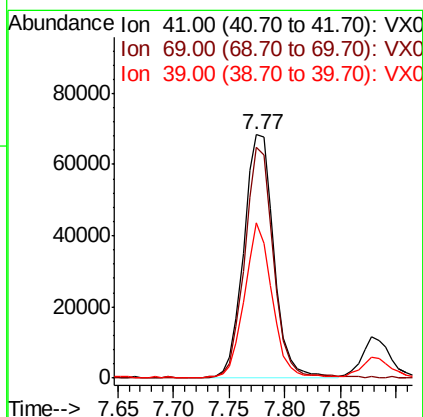
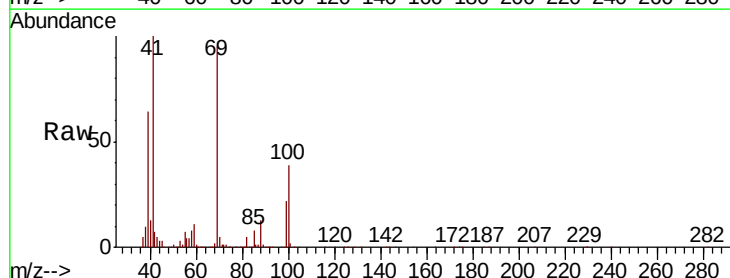
RT: 7.77 min Scan# 1086

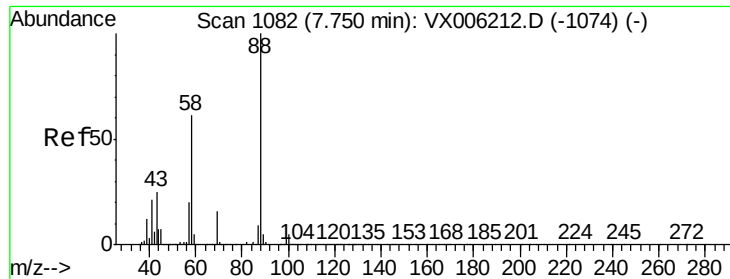
Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Tgt Ion:	41	Resp:	127988
Ion Ratio	Lower	Upper	
41	100		
69	91.1	70.3	105.5
39	58.4	45.3	67.9





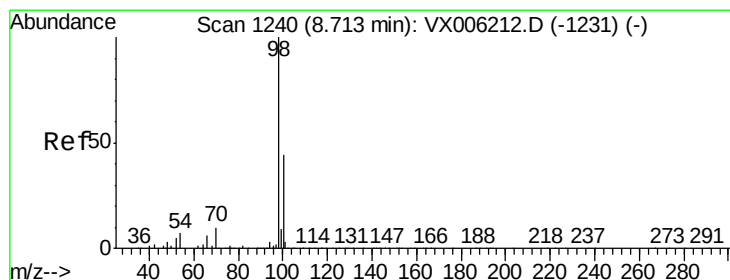
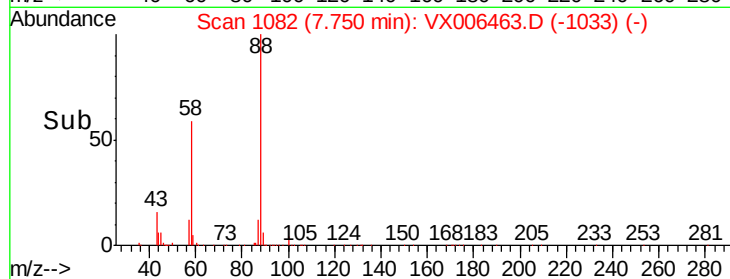
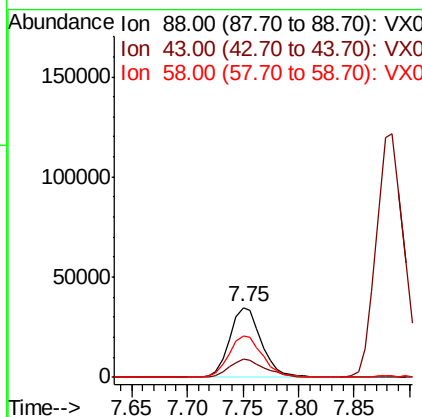
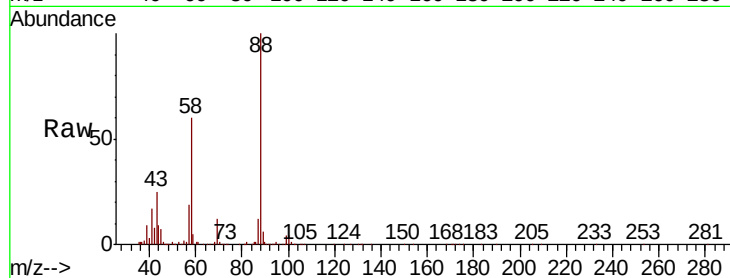
#49
1,4-Dioxane
Concen: 433.334 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.2	34.8
58	62.7	51.4	77.0

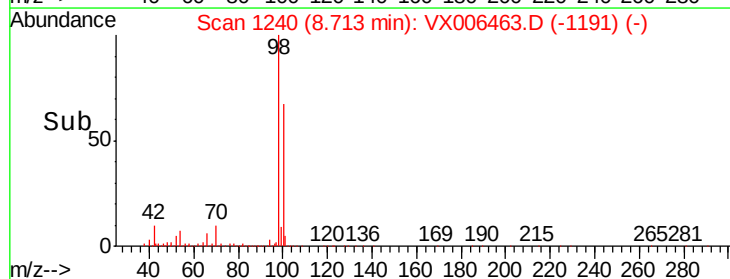
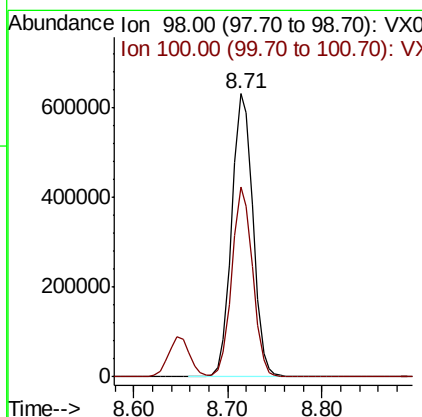
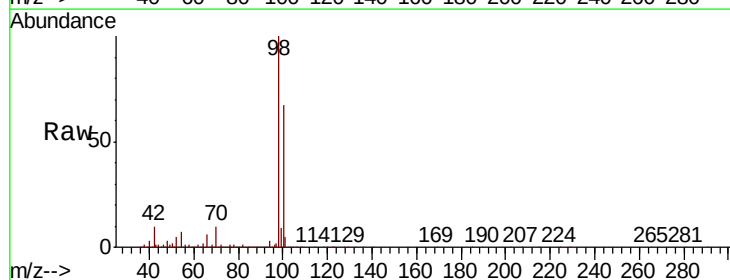
Manual Integrations
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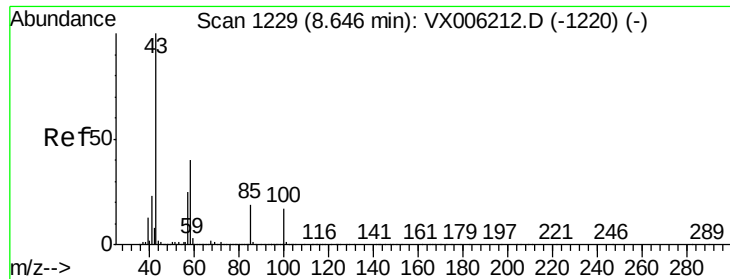
MMDadoda
12/13/2018 11:05:36 AM



#50
Toluene-d8
Concen: 49.719 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 103.815 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 43 Resp: 801093

Ion Ratio Lower Upper

43 100

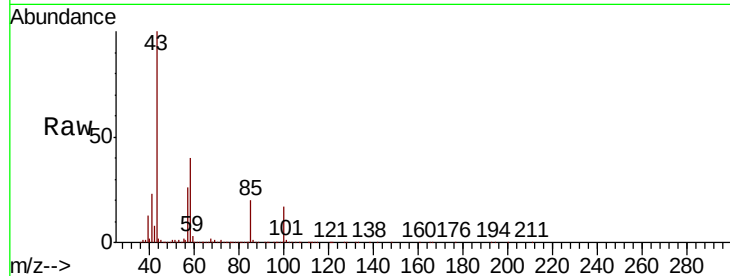
58 40.7 31.3 46.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

300000

200000

100000

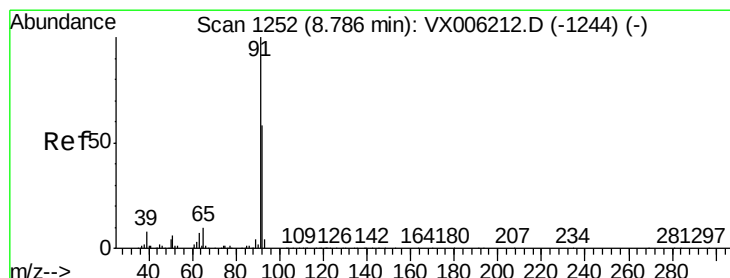
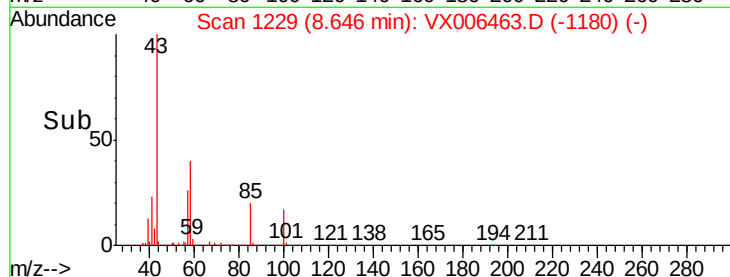
0

8.65

8.60

8.70

Time-->



#52

Toluene

Concen: 21.935 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006463.D

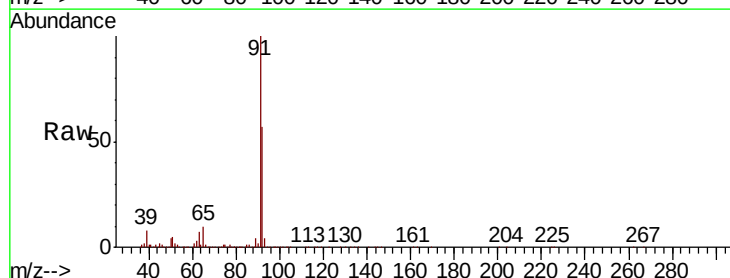
Acq: 13 Dec 2018 00:12

Tgt Ion: 92 Resp: 306846

Ion Ratio Lower Upper

92 100

91 173.6 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

200000

100000

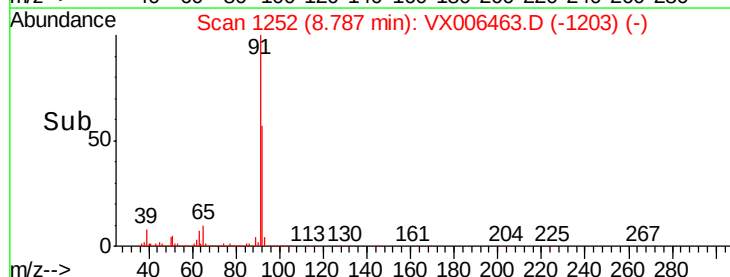
0

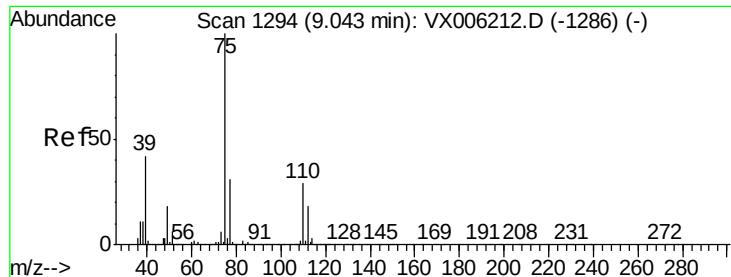
8.79

8.75

8.85

Time-->





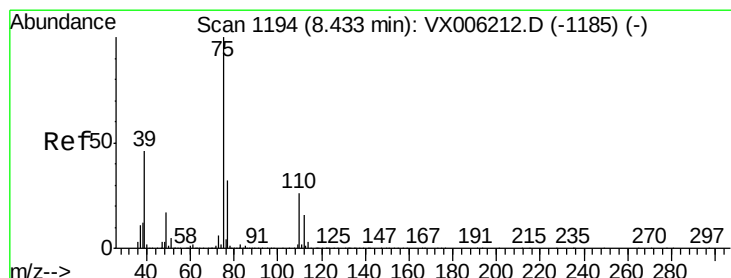
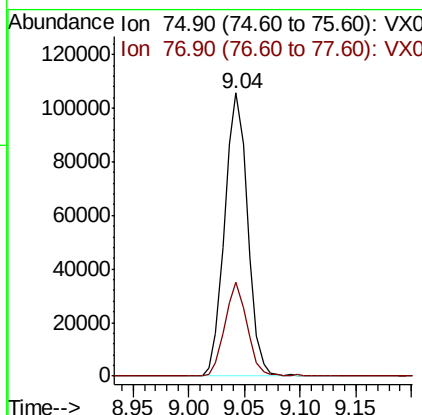
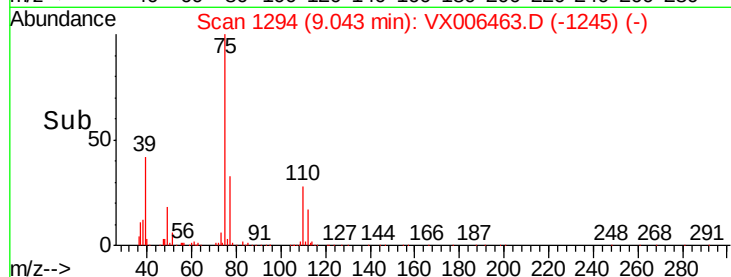
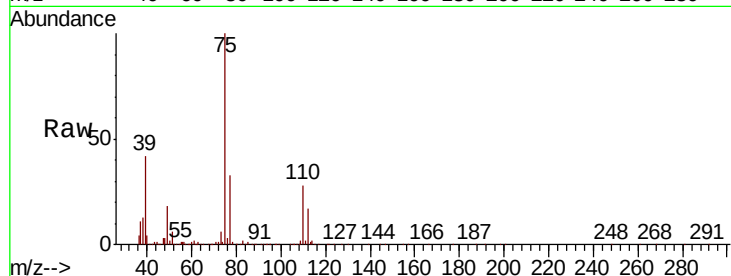
#53
t-1,3-Dichloropropene
Concen: 17.195 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.0	37.4

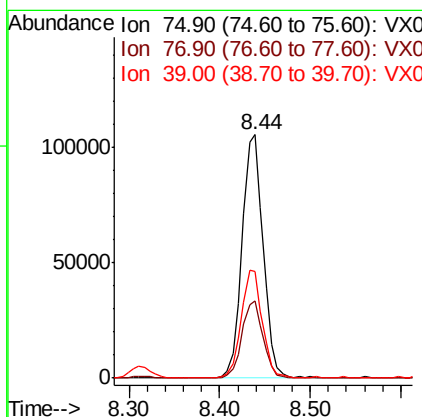
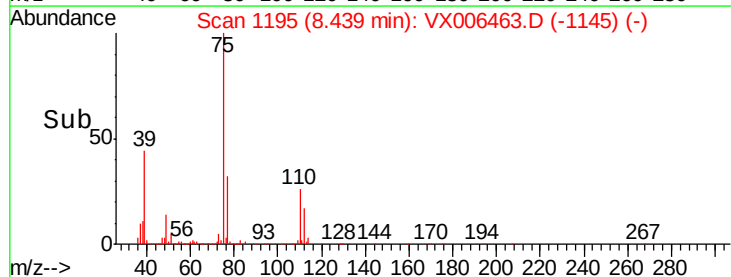
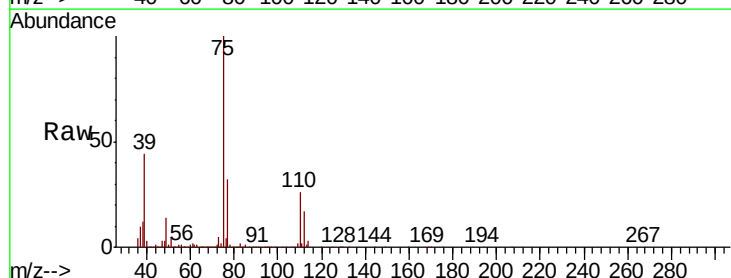
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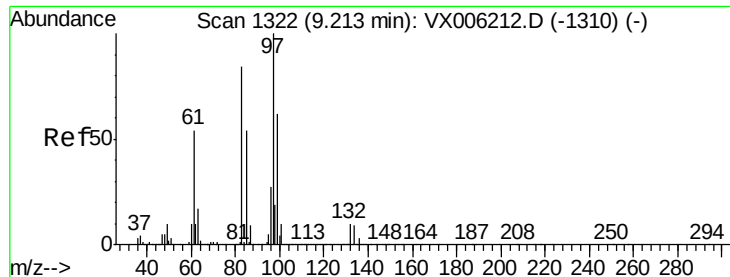
MMDadoda
12/13/2018 11:05:36 AM



#54
cis-1,3-Dichloropropene
Concen: 18.435 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	43.6	36.5	54.7





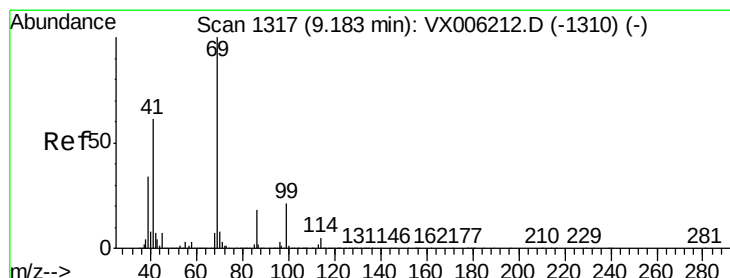
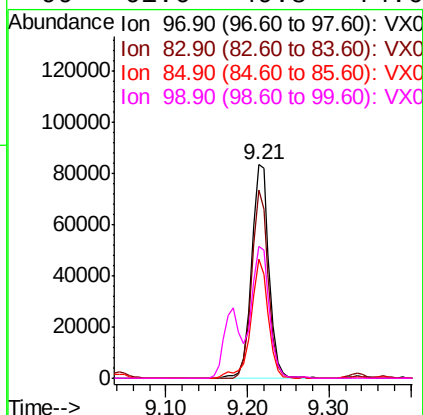
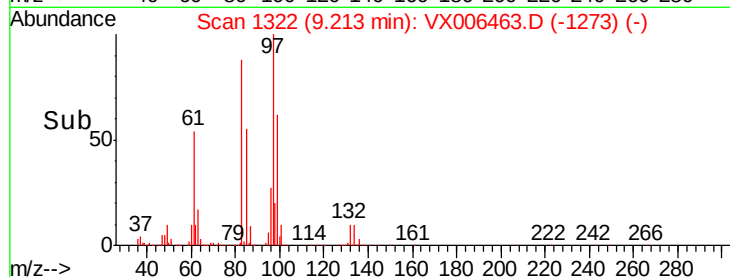
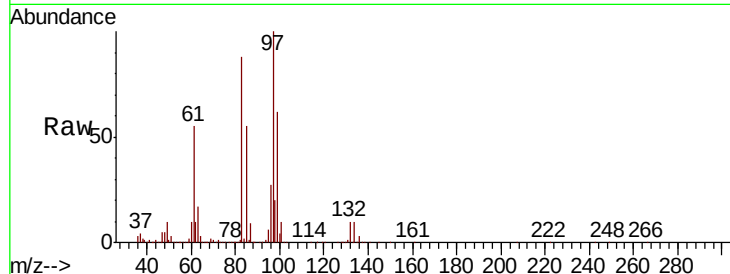
#55
 1,1,2-Trichloroethane
 Concen: 22.066 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125404		
83	87.9	67.1	100.7		
85	55.3	43.2	64.8		
99	61.6	49.8	74.6		

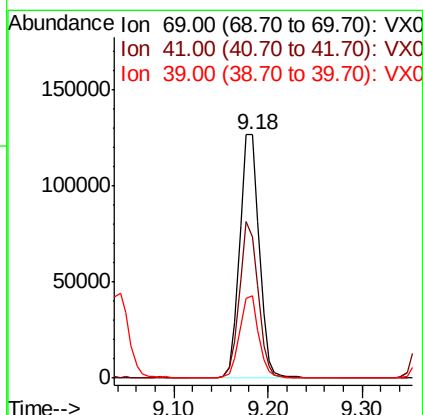
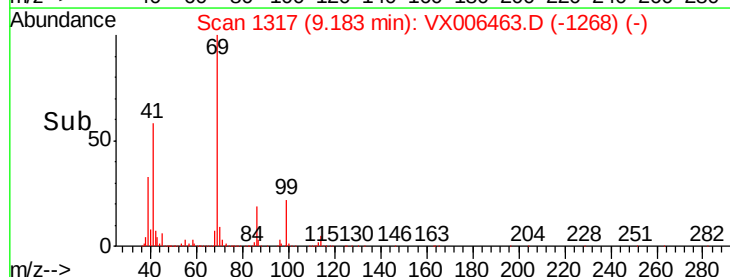
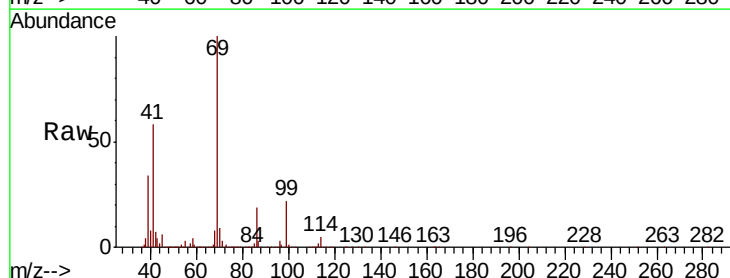
Manual Integrations
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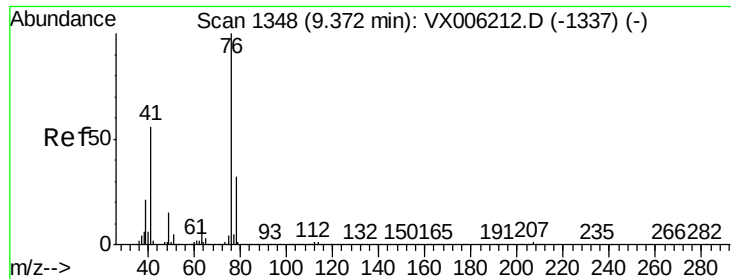
MMDadoda
 12/13/2018 11:05:36 AM



#56
 Ethyl methacrylate
 Concen: 20.596 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		182986		
41	60.9	50.6	76.0		
39	32.6	27.6	41.4		





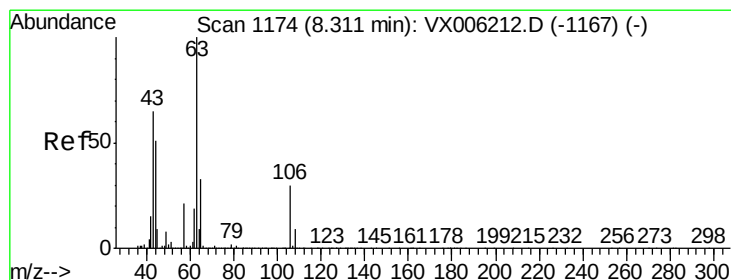
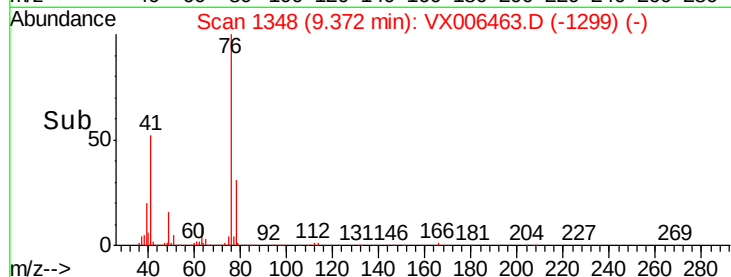
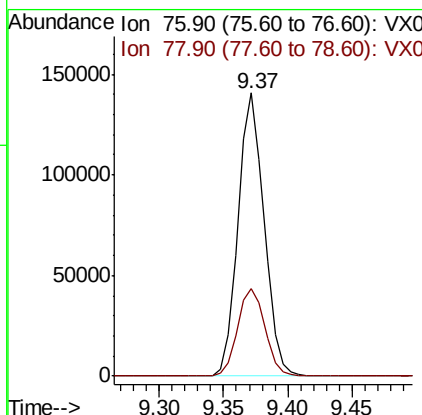
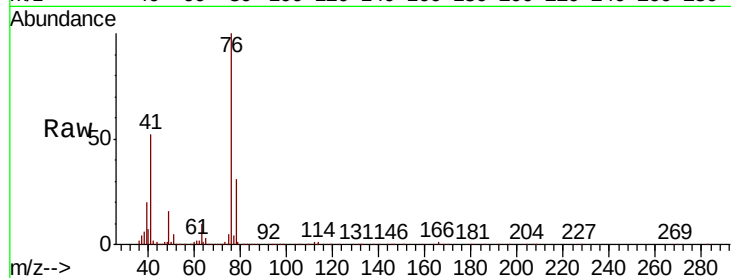
#57
 1,3-Dichloropropane
 Concen: 21.920 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

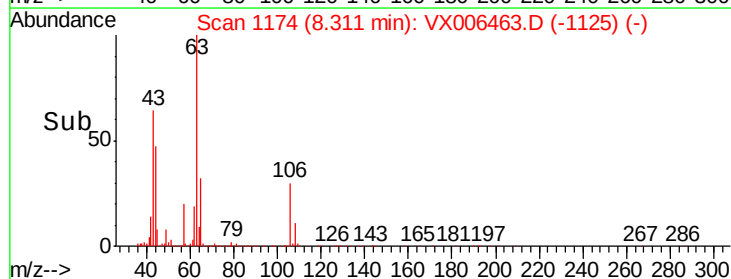
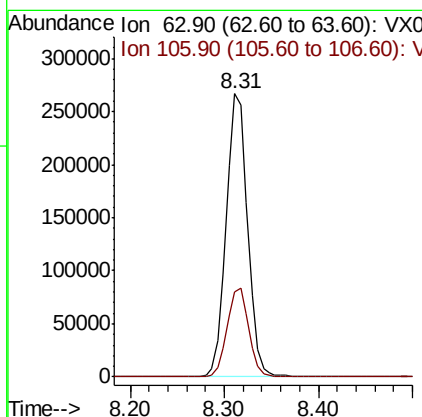
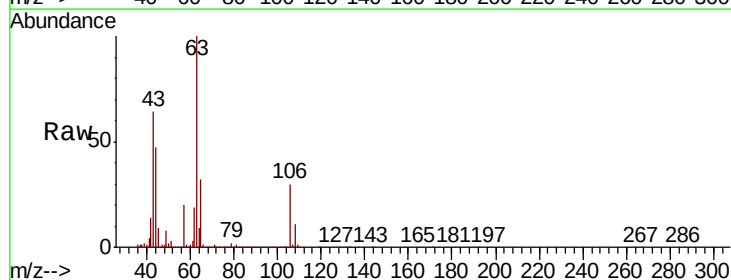
Manual Integrations
 APPROVED

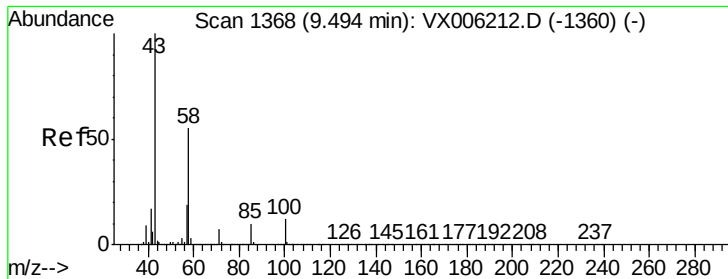
MMDadoda
 12/13/2018 11:05:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.029 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.7	24.9	37.3





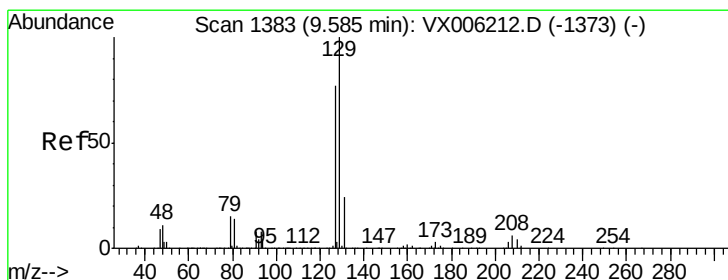
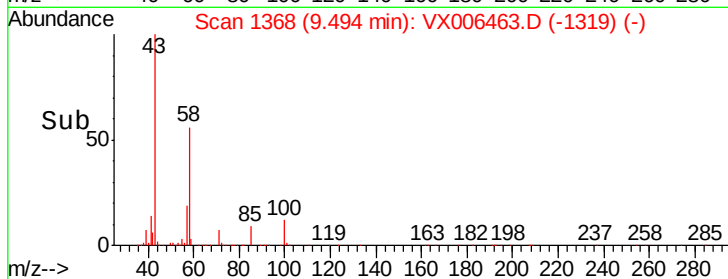
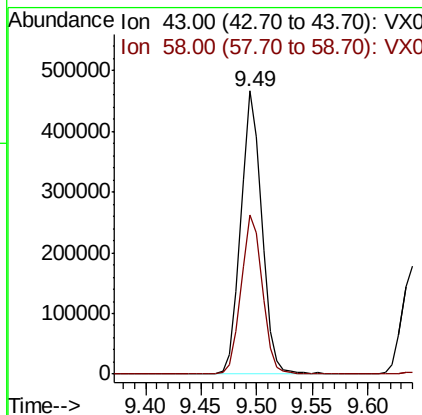
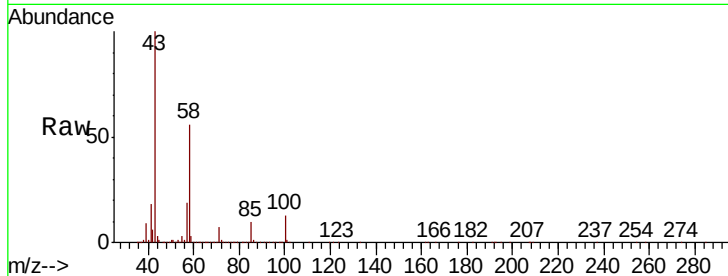
#59
2-Hexanone
Concen: 103.553 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion: 43 Resp: 610495
Ion Ratio Lower Upper
43 100
58 57.1 27.7 83.1

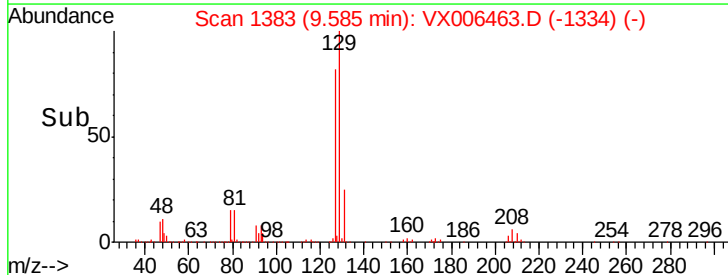
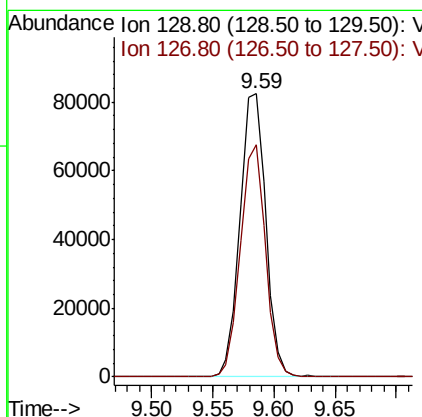
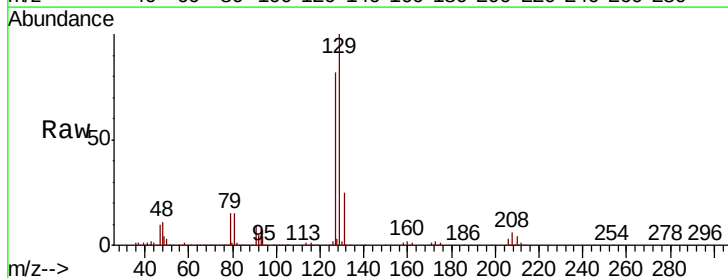
Manual Integrations
APPROVED

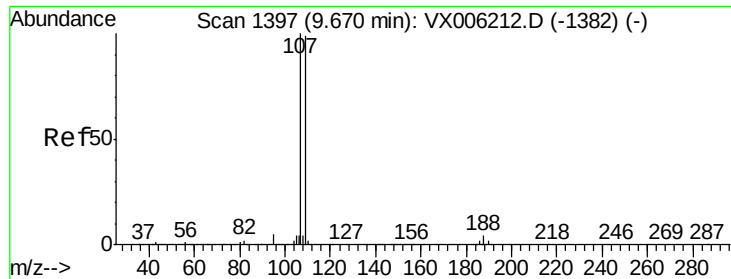
MMDadoda
12/13/2018 11:05:36 AM



#60
Dibromochloromethane
Concen: 17.253 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion: 129 Resp: 120903
Ion Ratio Lower Upper
129 100
127 79.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.268 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion:107 Resp: 135146

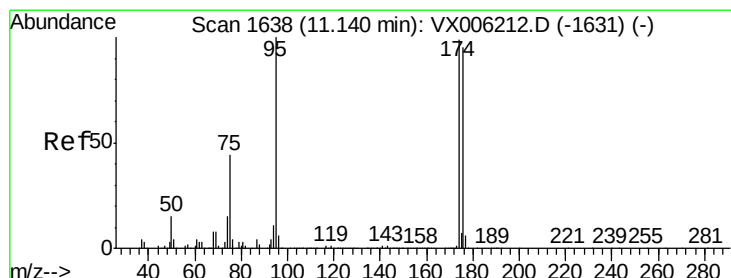
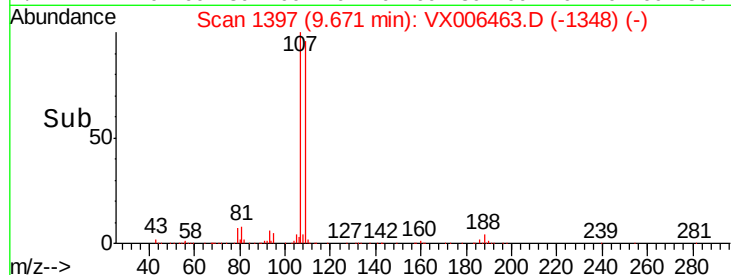
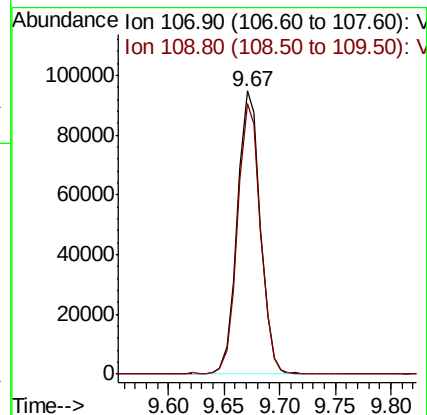
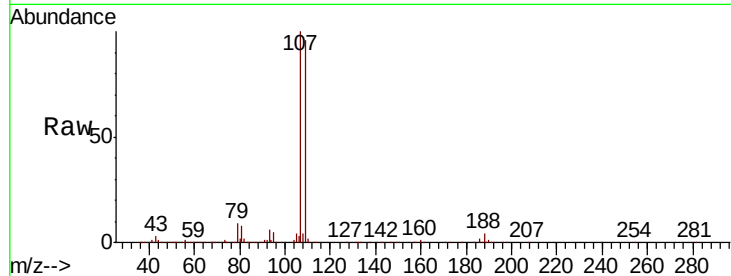
Ion Ratio Lower Upper

107 100

109 94.9 76.3 114.5

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:36 AM



#62

4-Bromofluorobenzene

Concen: 51.109 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

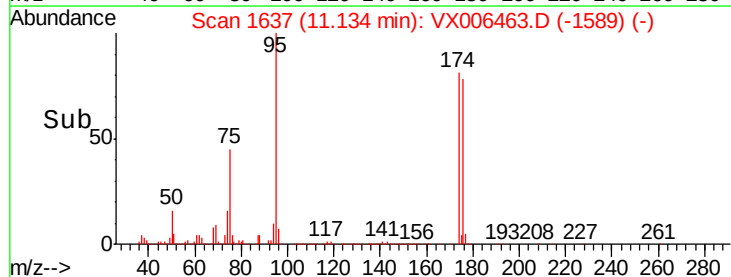
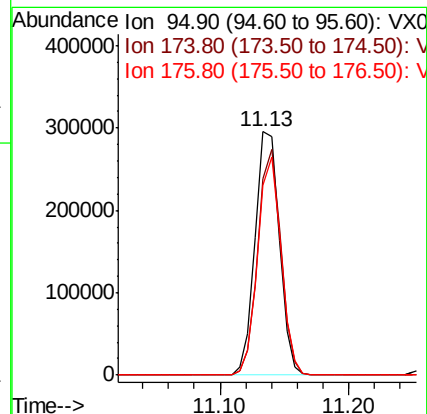
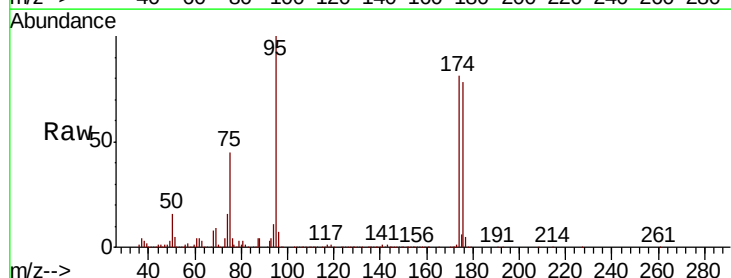
Tgt Ion: 95 Resp: 382381

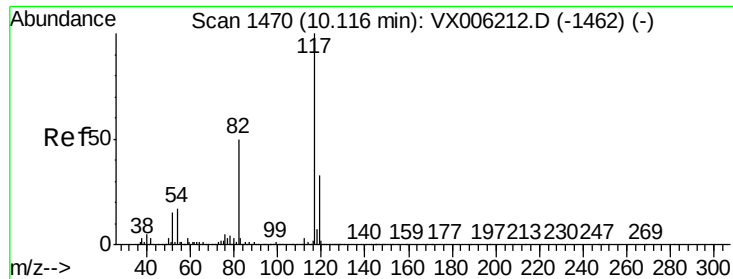
Ion Ratio Lower Upper

95 100

174 88.3 0.0 187.0

176 86.2 0.0 181.8





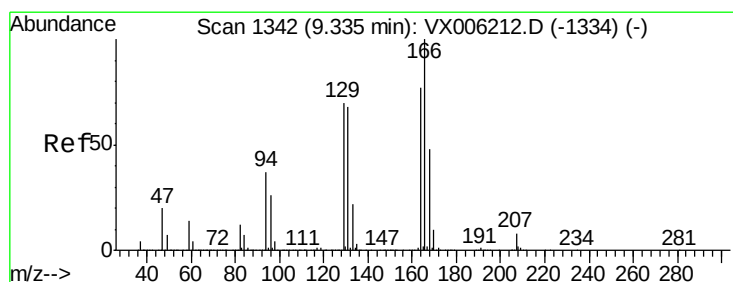
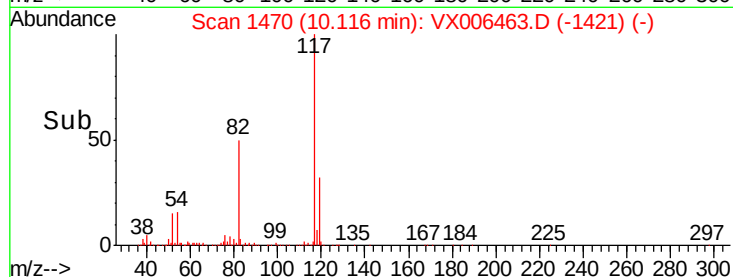
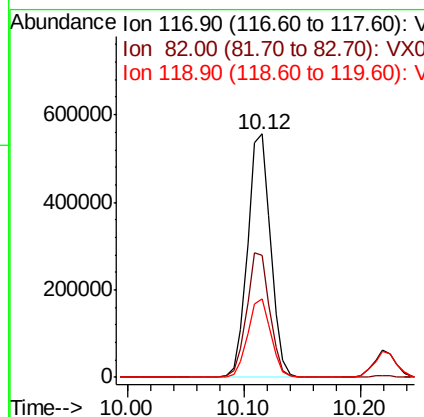
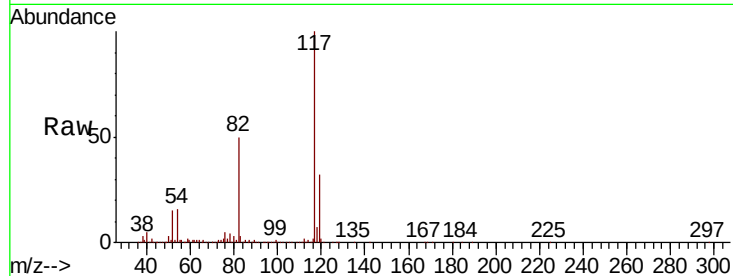
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	39.6	59.4
119	32.2	26.3	39.5

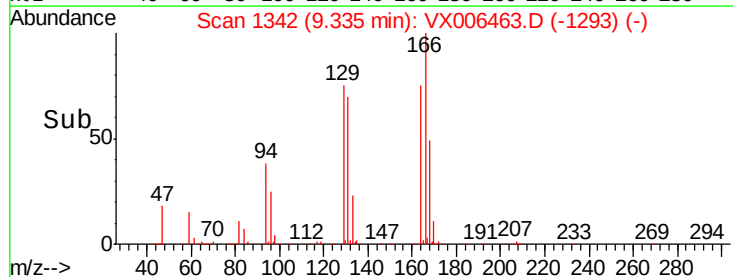
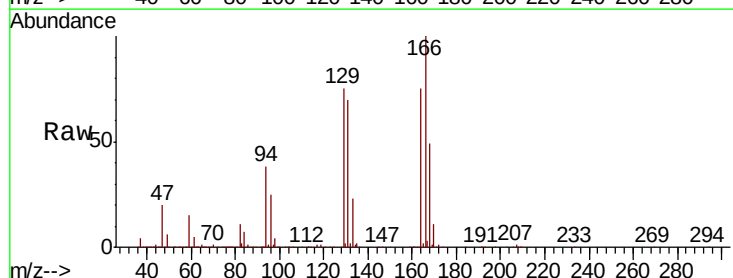
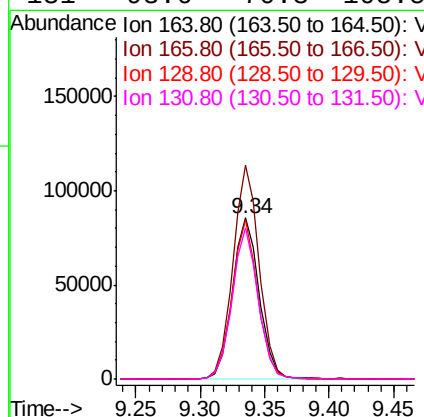
Manual Integrations
APPROVED

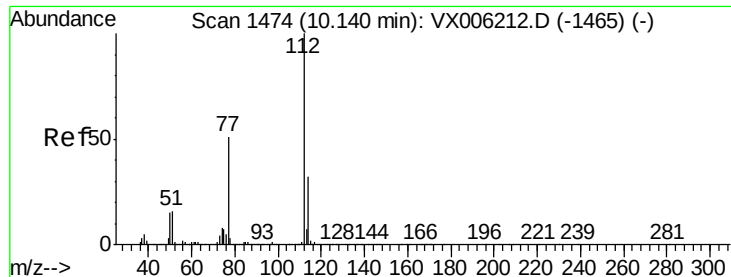
MMDadoda
12/13/2018 11:05:36 AM



#64
Tetrachloroethene
Concen: 21.380 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	104.2	156.2
129	99.0	72.6	108.8
131	93.6	70.3	105.5





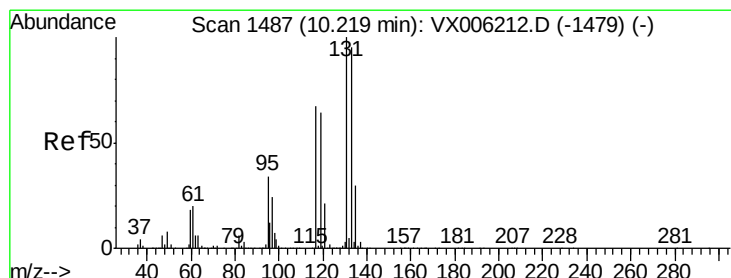
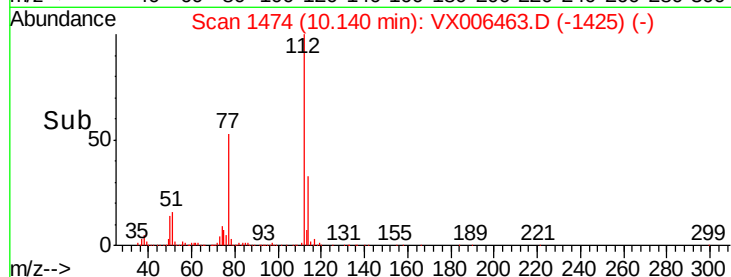
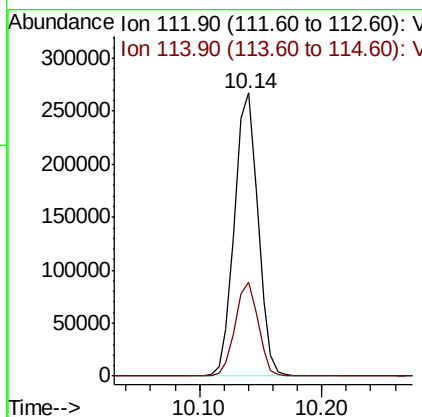
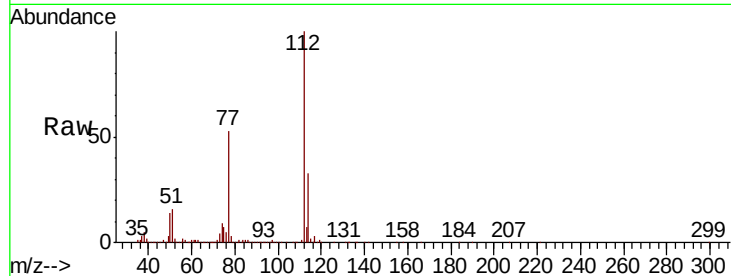
#65
Chlorobenzene
Concen: 21.735 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion:112 Resp: 354210
Ion Ratio Lower Upper
112 100
114 33.3 25.4 38.2

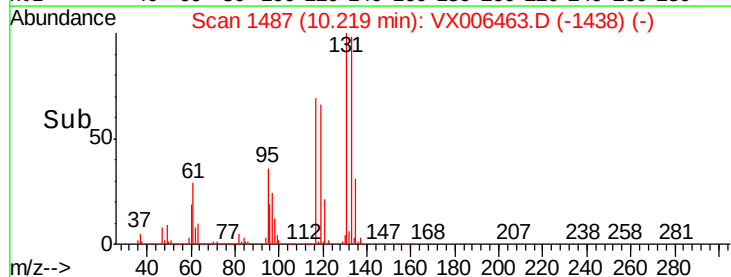
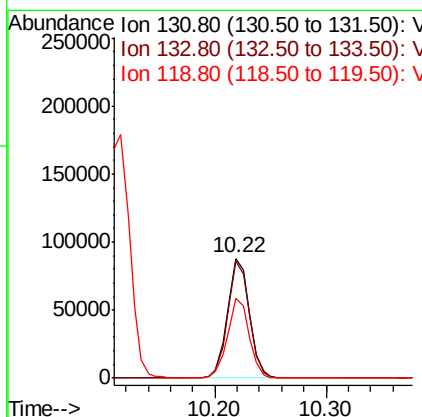
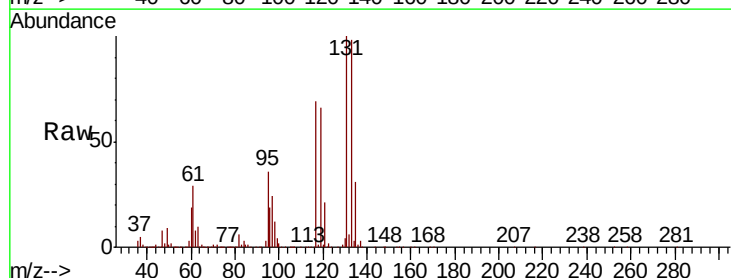
Manual Integrations
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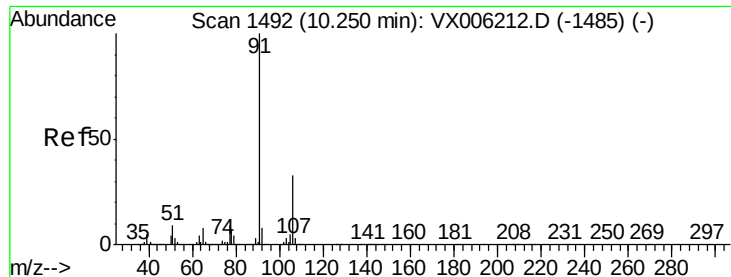
MMDadoda
12/13/2018 11:05:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.815 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion:131 Resp: 119134
Ion Ratio Lower Upper
131 100
133 97.5 48.1 144.4
119 66.3 32.1 96.3





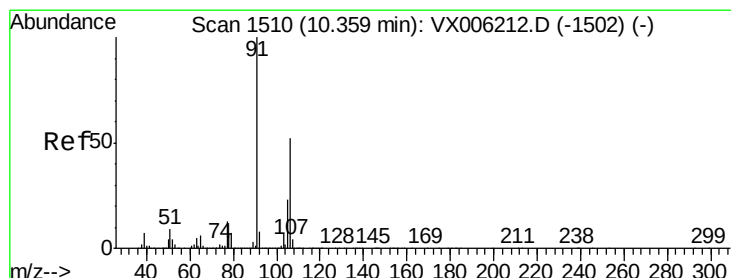
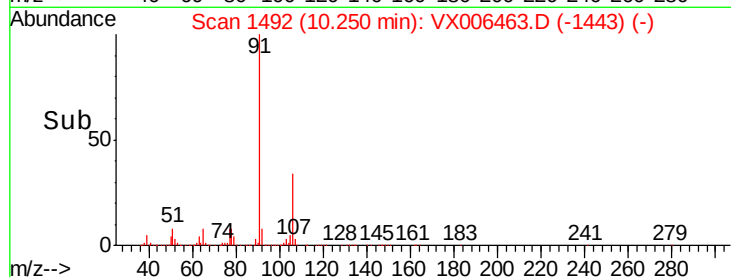
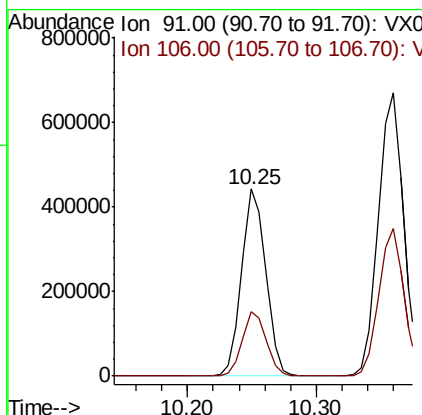
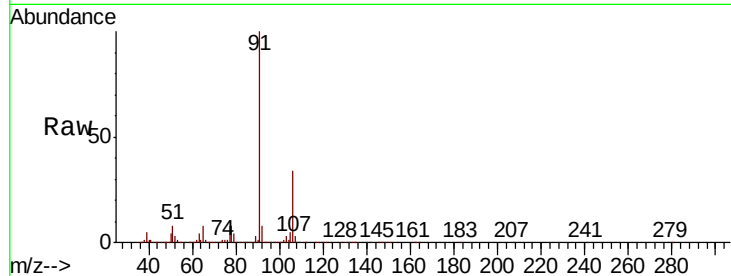
#67
Ethyl Benzene
Concen: 21.310 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion: 91 Resp: 577605
Ion Ratio Lower Upper
91 100
106 34.3 26.5 39.7

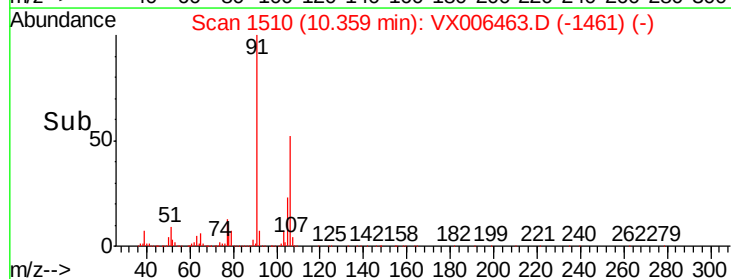
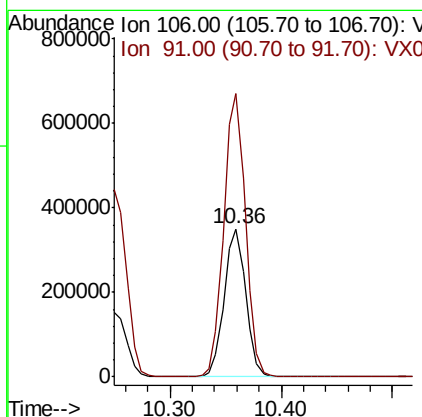
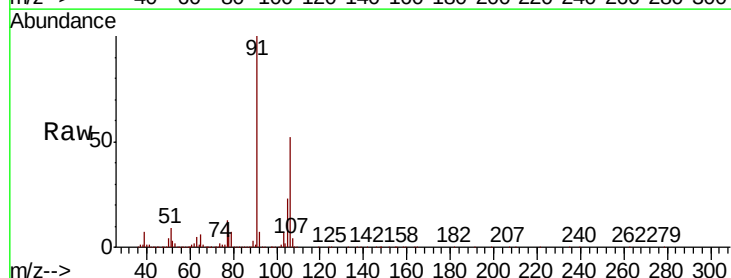
Manual Integrations
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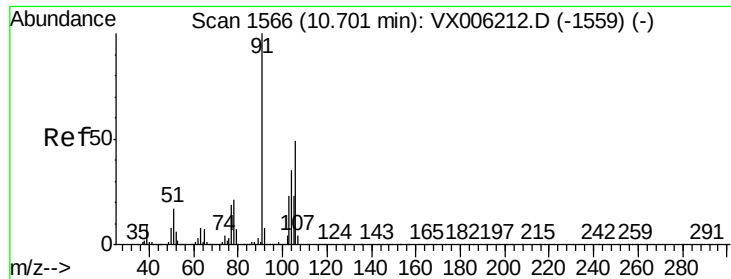
MMDadoda
12/13/2018 11:05:36 AM



#68
m/p-Xylenes
Concen: 43.334 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion: 106 Resp: 470496
Ion Ratio Lower Upper
106 100
91 191.7 155.2 232.8





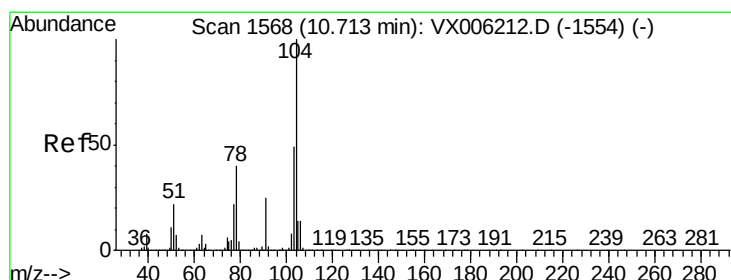
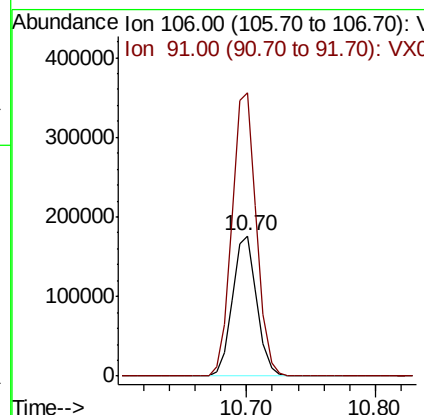
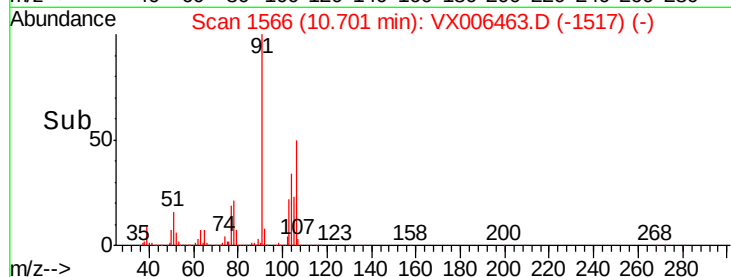
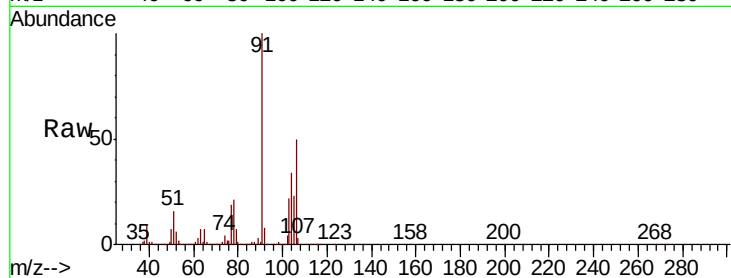
#69
o-Xylene
Concen: 21.668 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.0	101.8	305.6

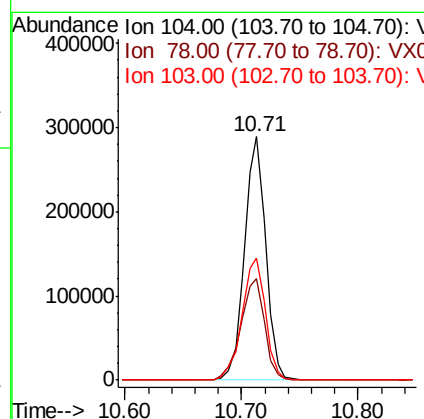
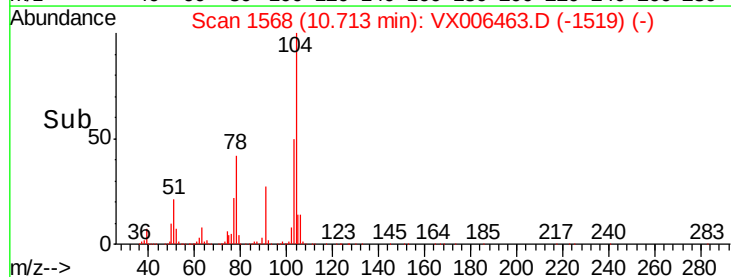
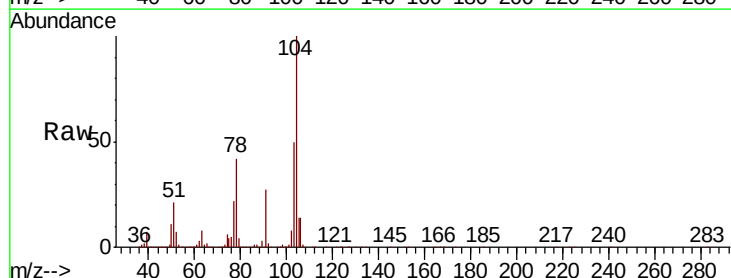
Manual Integrations
APPROVED

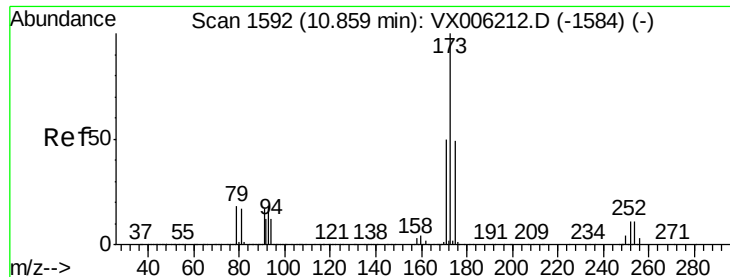
MMDadoda
12/13/2018 11:05:36 AM



#70
Styrene
Concen: 21.275 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	37.2	55.8
103	55.3	43.5	65.3





#71

Bromoform

Concen: 15.200 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion:173 Resp: 90852

Ion Ratio Lower Upper

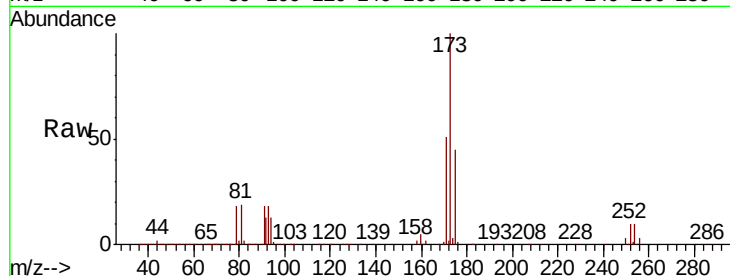
173 100

175 47.0 24.6 73.8

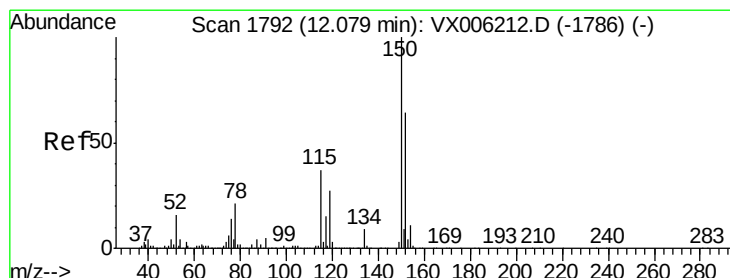
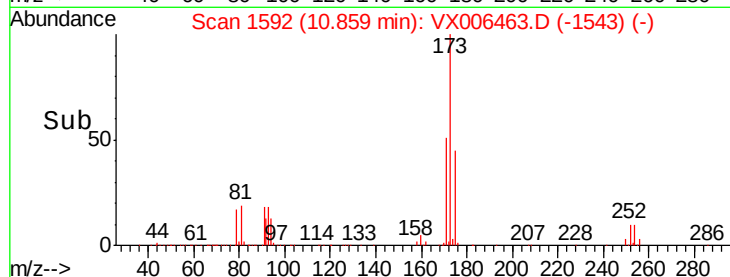
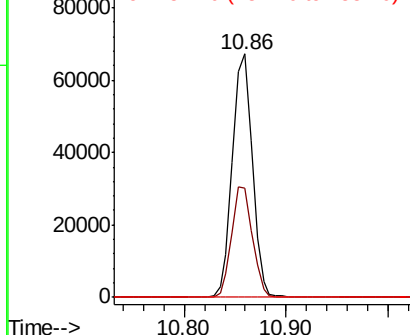
254 0.2 0.2 0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

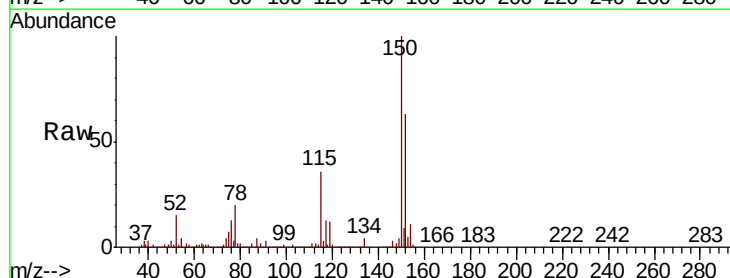
Tgt Ion:152 Resp: 402512

Ion Ratio Lower Upper

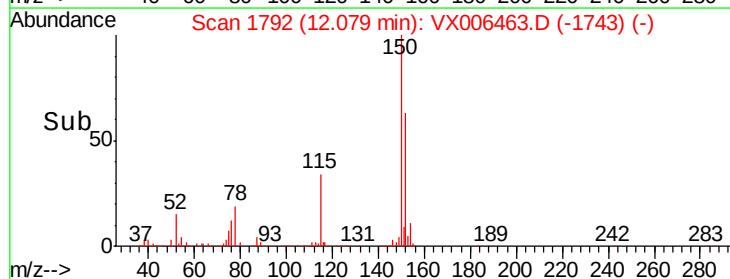
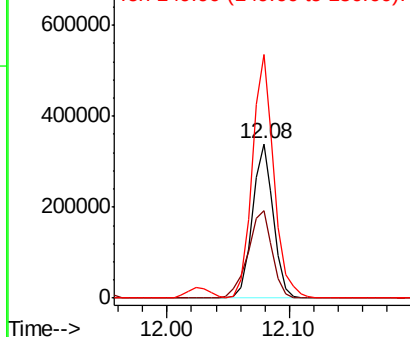
152 100

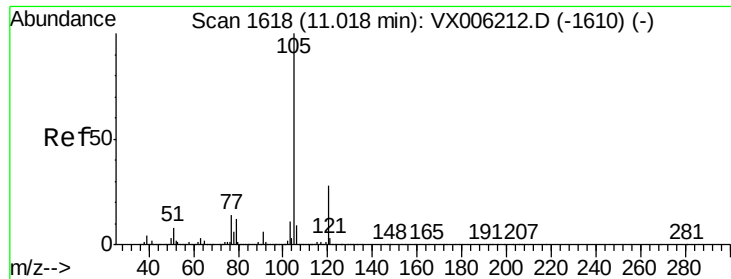
115 65.8 39.0 116.9

150 163.9 0.0 345.8



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: 21.854 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion:105 Resp: 607482

Ion Ratio Lower Upper

105 100

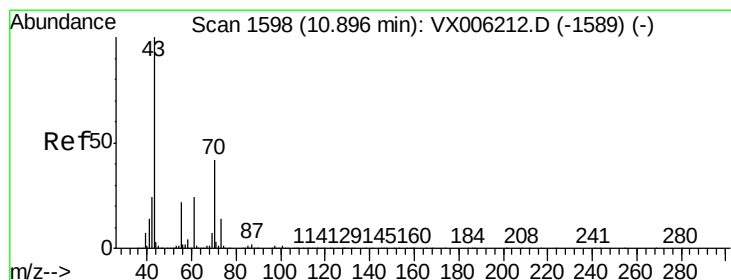
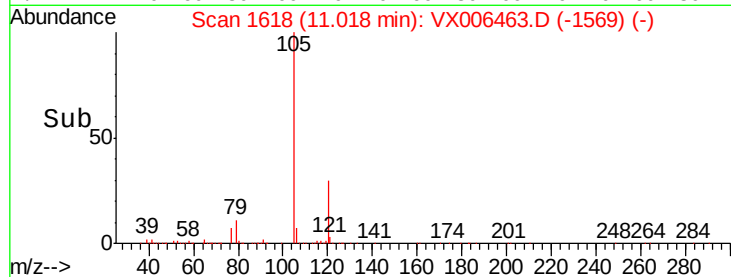
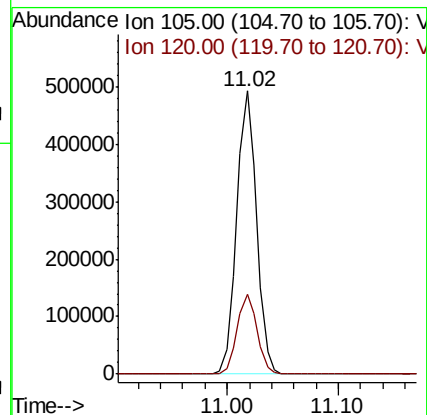
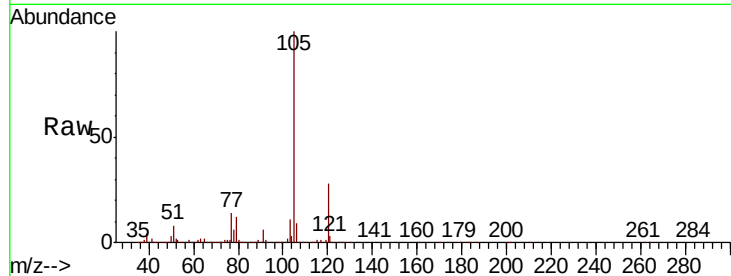
120 28.4 14.1 42.3

Manual Integrations

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12/13/2018 11:05:36 AM



#74

N-ethyl acetate

Concen: 19.273 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Tgt Ion: 43 Resp: 230702

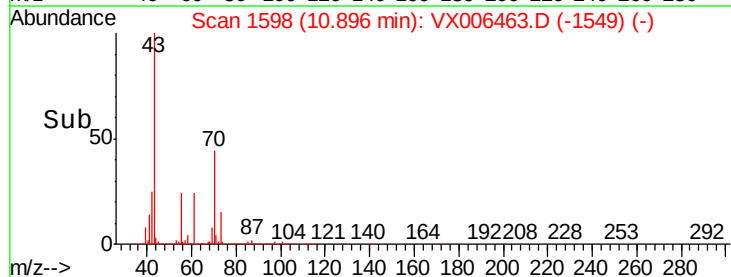
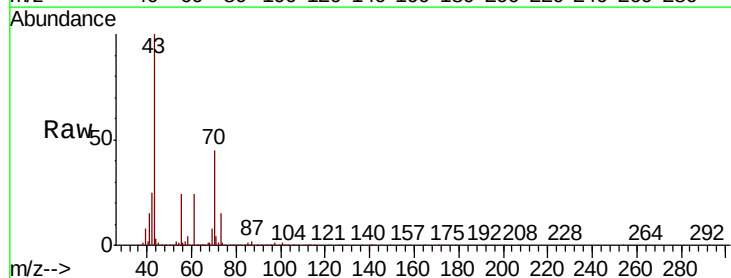
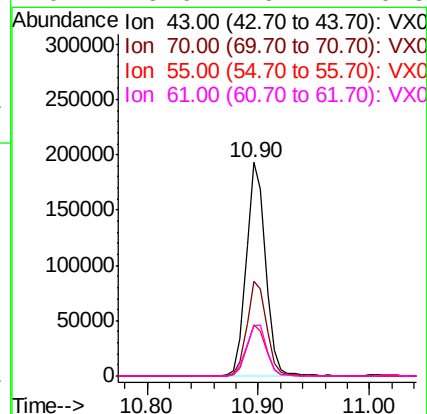
Ion Ratio Lower Upper

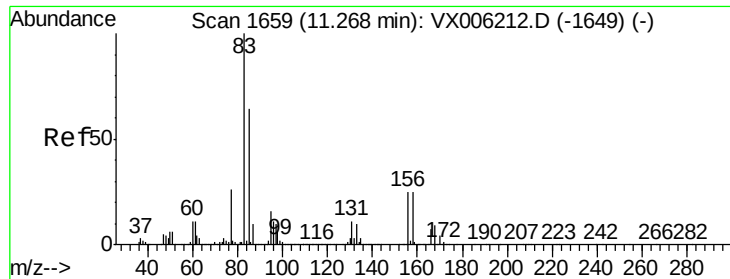
43 100

70 45.0 34.1 51.1

55 24.1 17.8 26.8

61 25.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.358 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

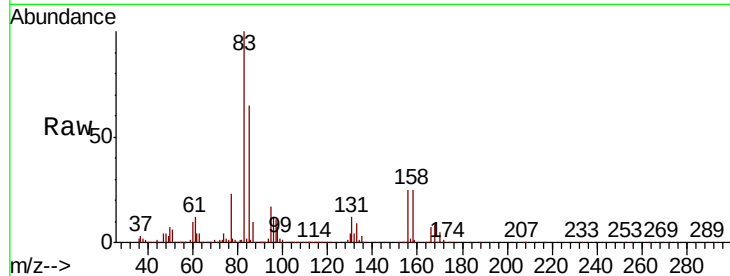
Tot Ion	Ratio	Lower	Upper
83	100		

131	11.6	5.7	17.1
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85	64.8	32.1	96.5
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Manual Integrations
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MMDadoda
12/13/2018 11:05:36 AM

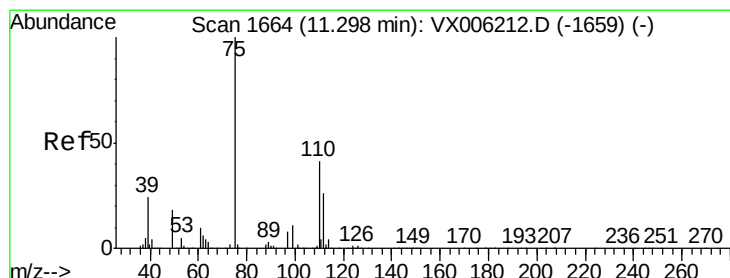
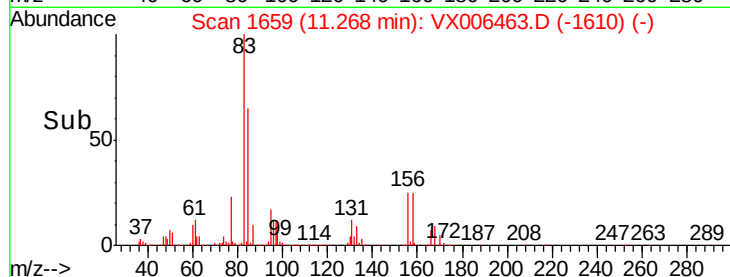
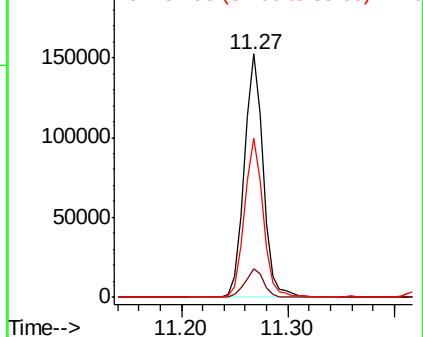


Abundance

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: 22.306 ug/l m

RT: 11.30 min Scan# 1664

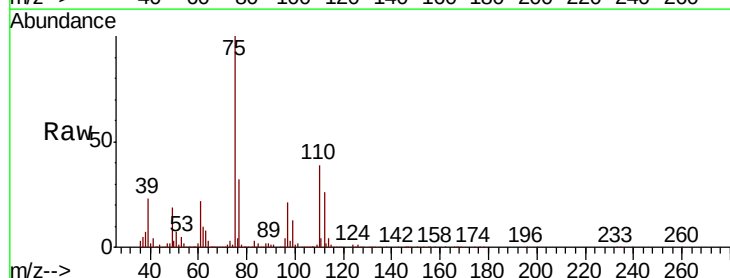
Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
75	100		

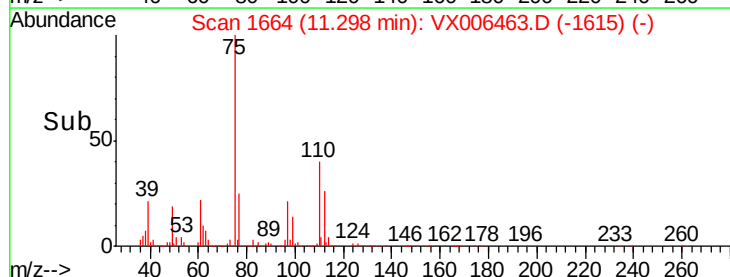
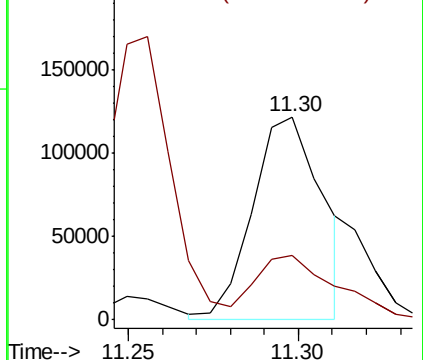
77	36.8	19.9	59.7
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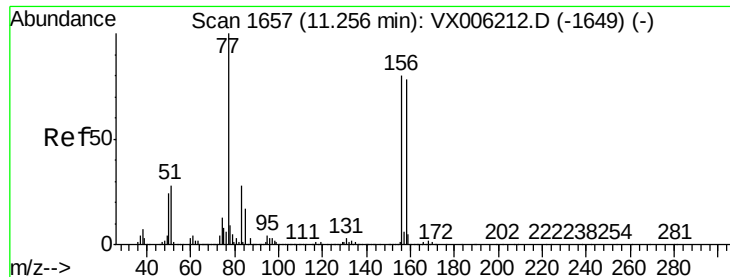


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.103 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion:156 Resp: 162793

Ion Ratio Lower Upper

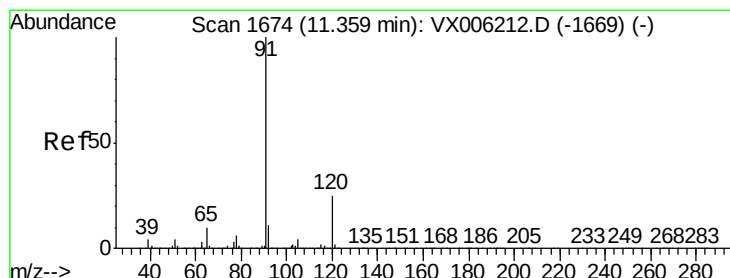
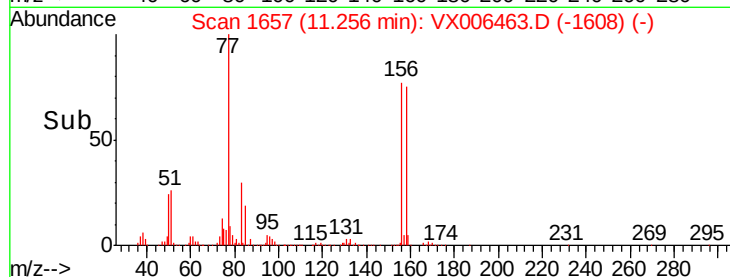
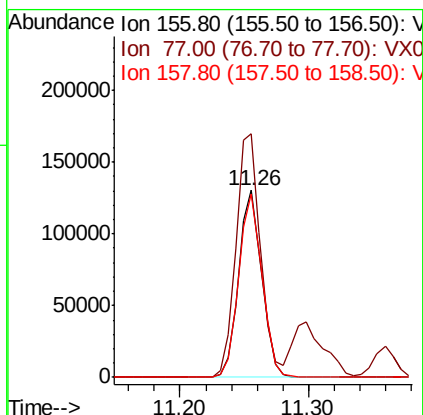
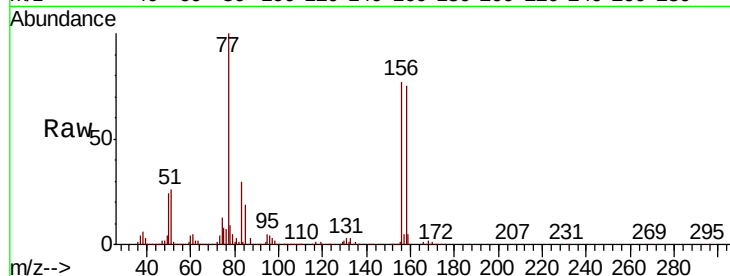
156 100

77 138.3 66.2 198.6

158 98.6 48.8 146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 21.302 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006463.D

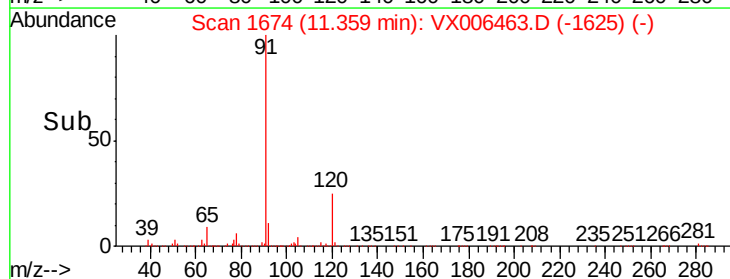
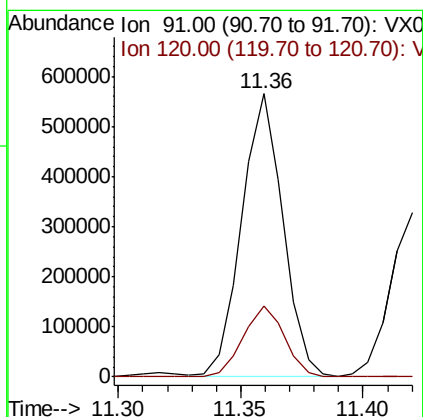
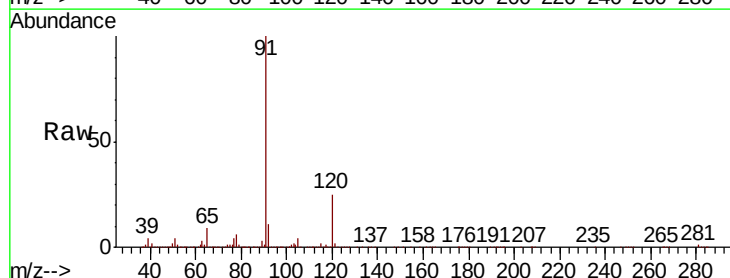
Acq: 13 Dec 2018 00:12

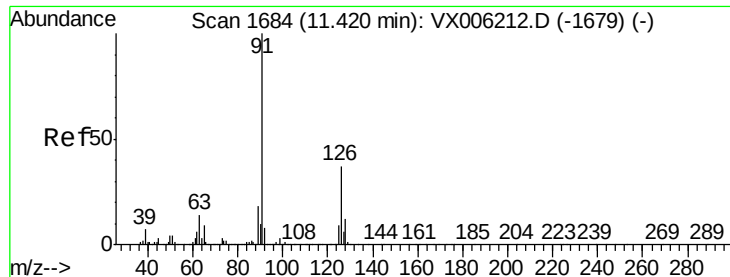
Tgt Ion: 91 Resp: 658223

Ion Ratio Lower Upper

91 100

120 25.5 12.7 38.0





#79

2-Chlorotoluene

Concen: 21.924 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS02

Tot Ion: 91 Resp: 402640

Ion Ratio Lower Upper

91 100

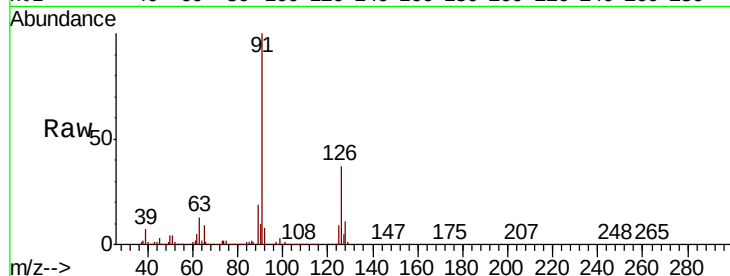
126 37.6 18.6 56.0

Manual Integrations

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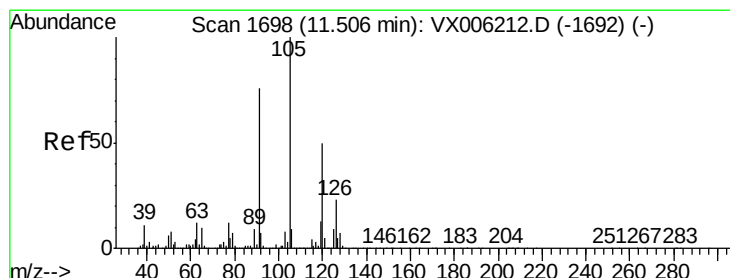
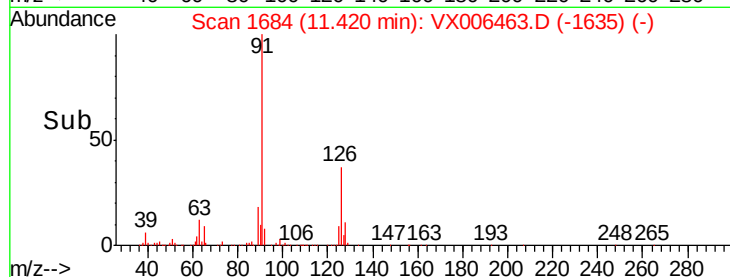
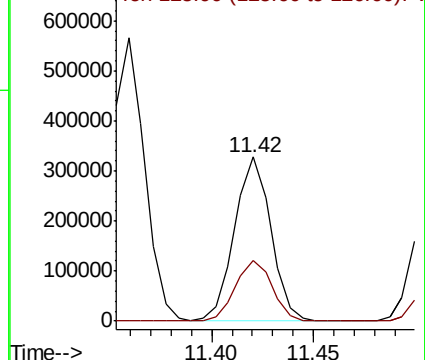
MMDadoda

12/13/2018 11:05:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.448 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006463.D

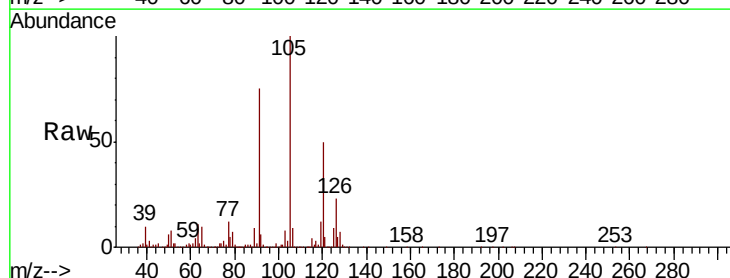
Acq: 13 Dec 2018 00:12

Tgt Ion:105 Resp: 496056

Ion Ratio Lower Upper

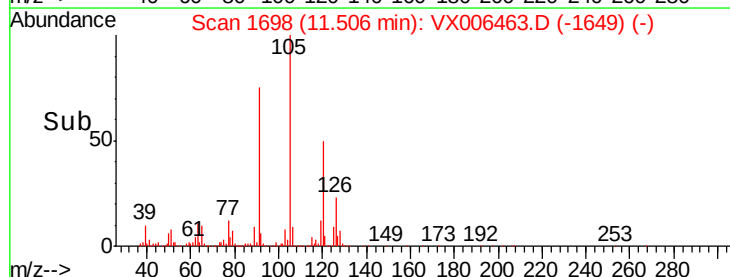
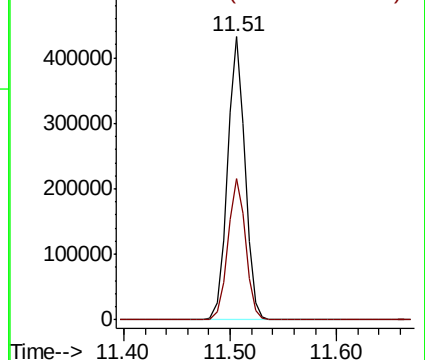
105 100

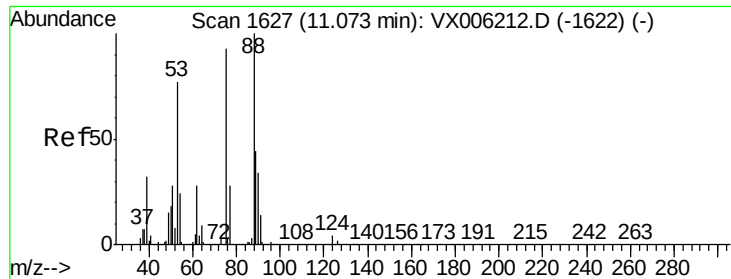
120 50.3 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 13.758 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Instrument :

MSVOA_X

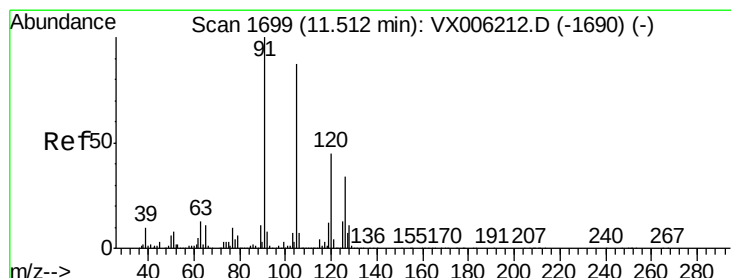
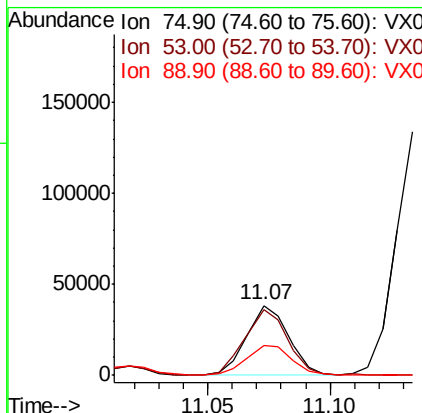
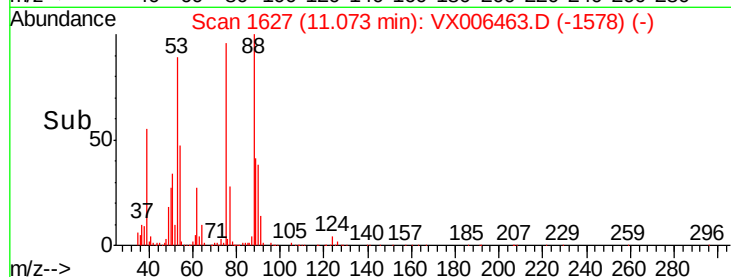
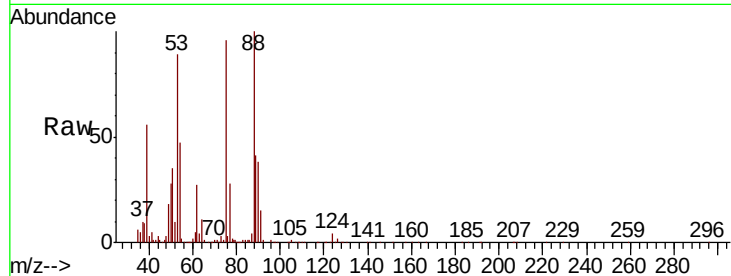
ClientSampleId :

VX1212WBS02

Tot Ion:	75	Resp:	45547
Ion Ratio	Lower	Upper	
75	100		
53	98.2	64.4	96.6#
89	47.8	44.2	66.4

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#82

4-Chlorotoluene

Concen: 21.273 ug/l

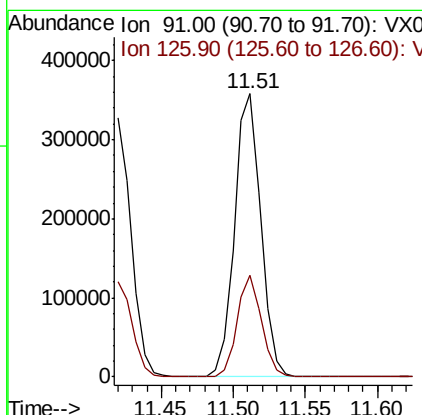
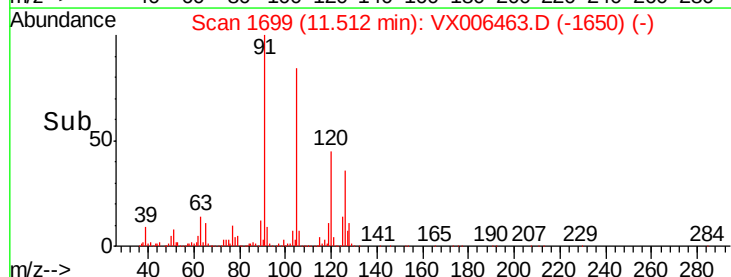
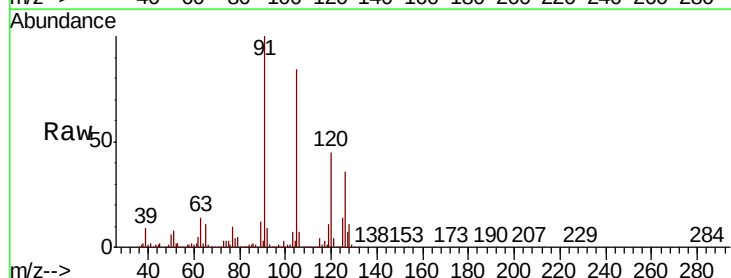
RT: 11.51 min Scan# 1699

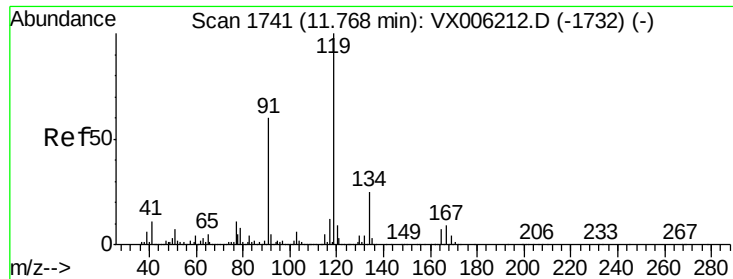
Delta R.T. 0.00 min

Lab File: VX006463.D

Acq: 13 Dec 2018 00:12

Tgt Ion:	91	Resp:	454225
Ion Ratio	Lower	Upper	
91	100		
126	33.5	16.4	49.4





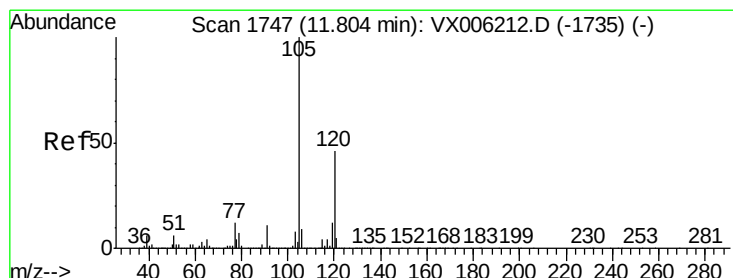
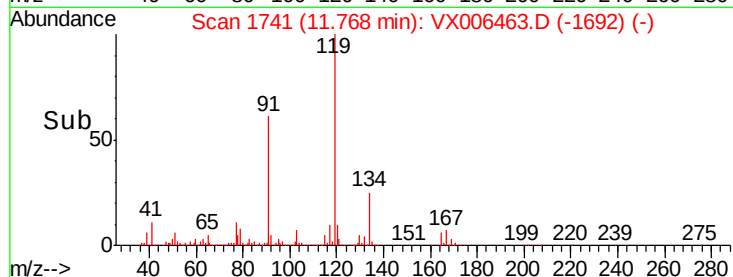
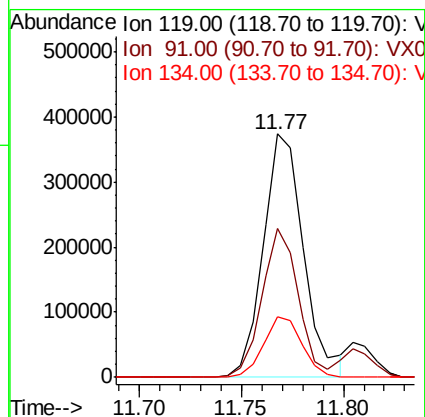
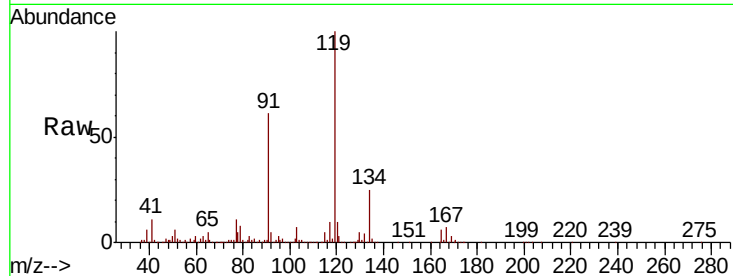
#83
tert-Butylbenzene
Concen: 20.865 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.2	26.4	79.2
134	23.8	11.6	34.7

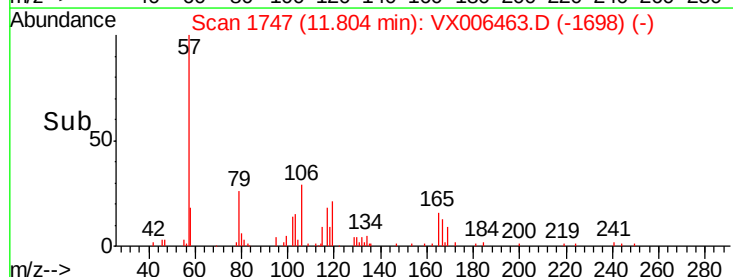
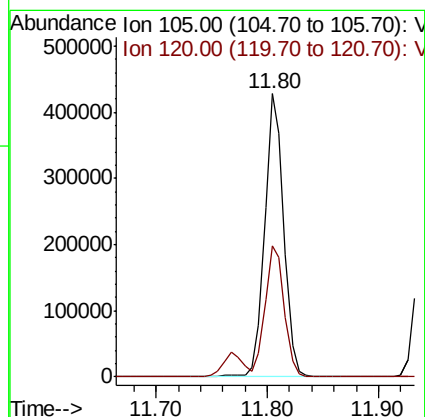
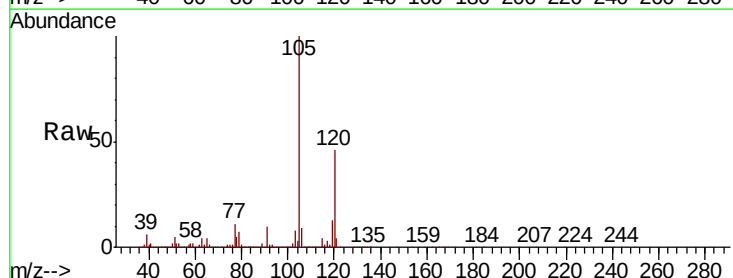
Manual Integrations
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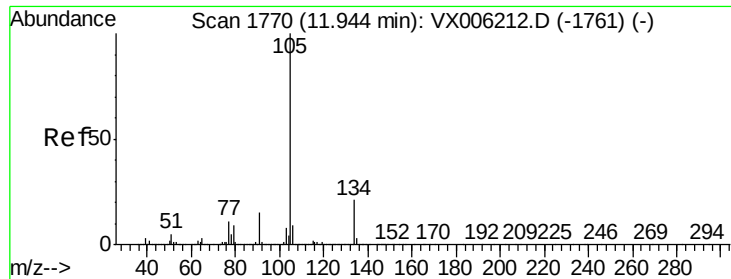
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#84
1,2,4-Trimethylbenzene
Concen: 21.450 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.0





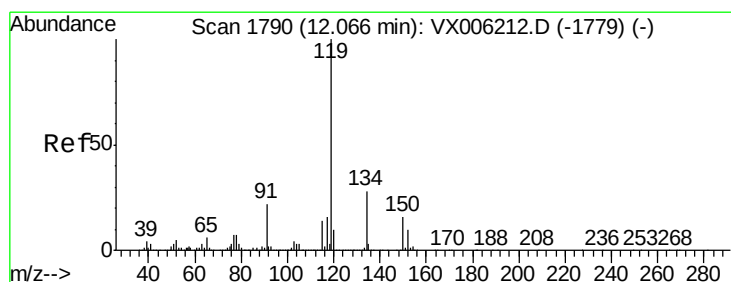
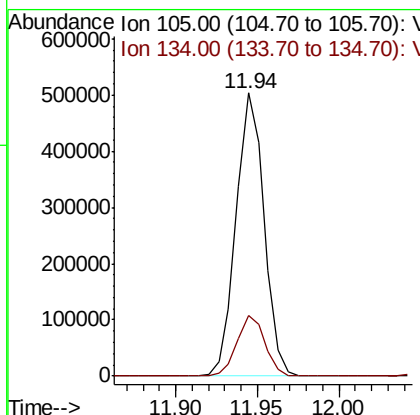
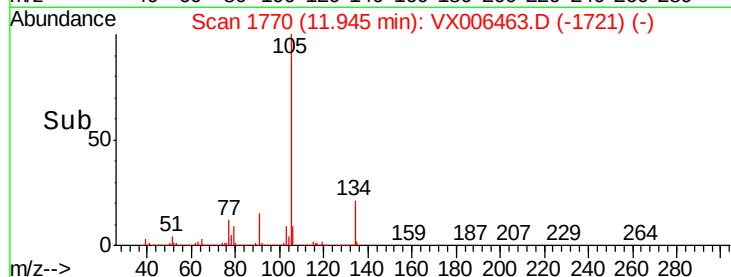
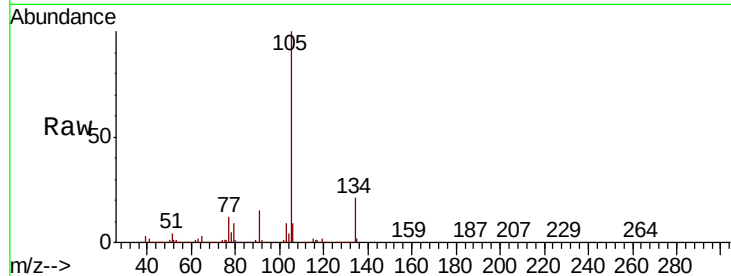
#85
 sec-Butylbenzene
 Concen: 21.439 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.8	32.4

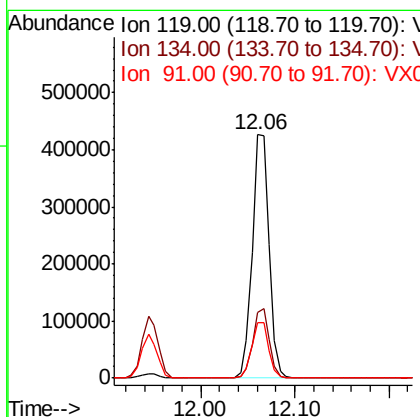
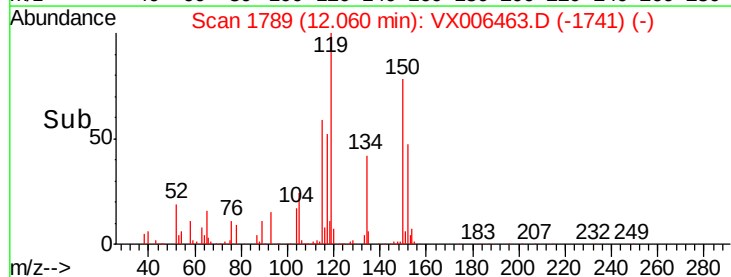
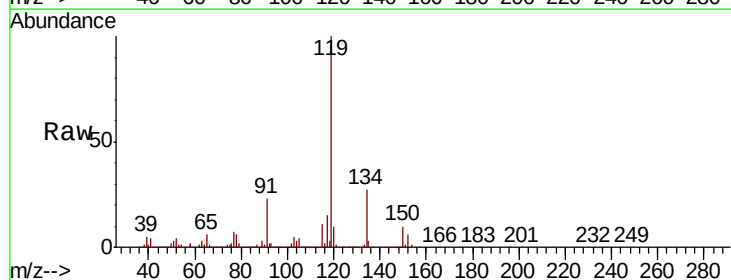
Manual Integrations
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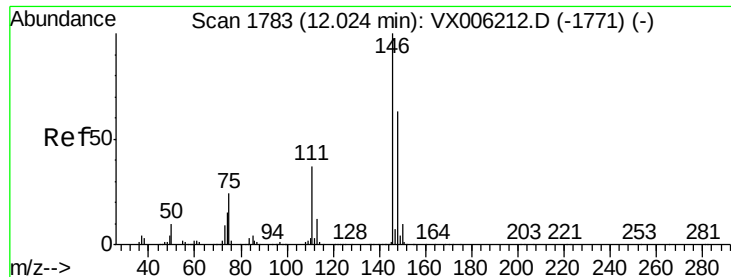
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 12/13/2018 11:05:36 AM



#86
 p-Isopropyltoluene
 Concen: 21.189 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.9	41.6
91	23.0	11.3	33.8





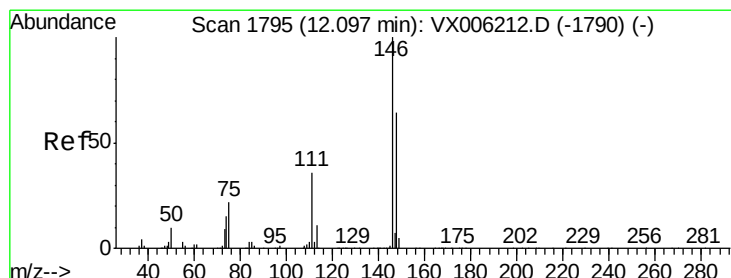
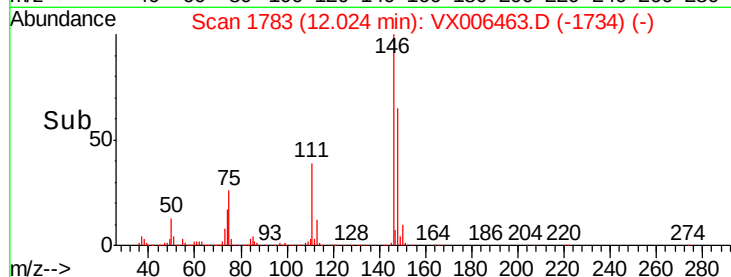
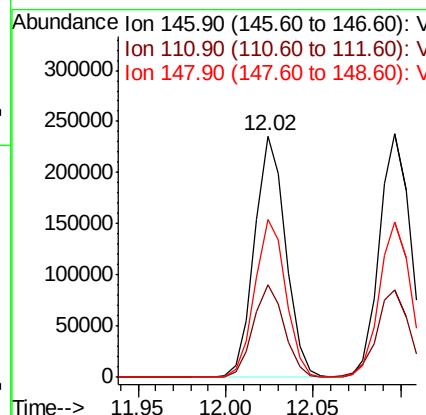
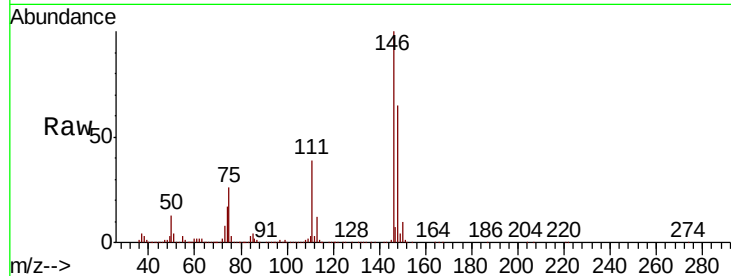
#87
 1,3-Dichlorobenzene
 Concen: 21.315 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.4	55.2
148	64.9	32.0	96.0

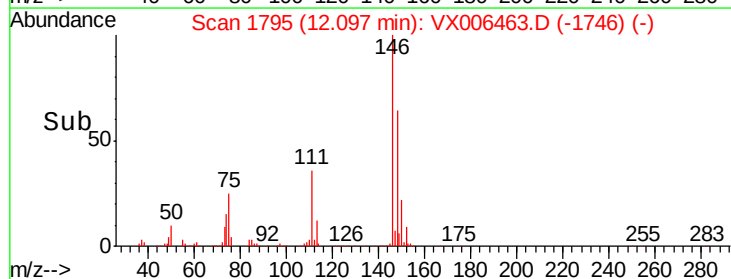
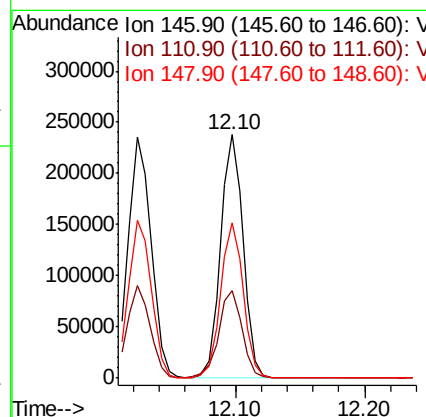
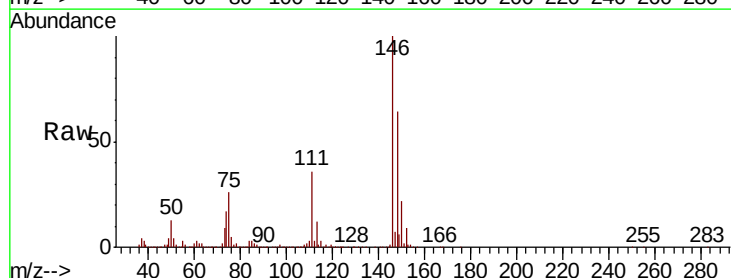
Manual Integrations
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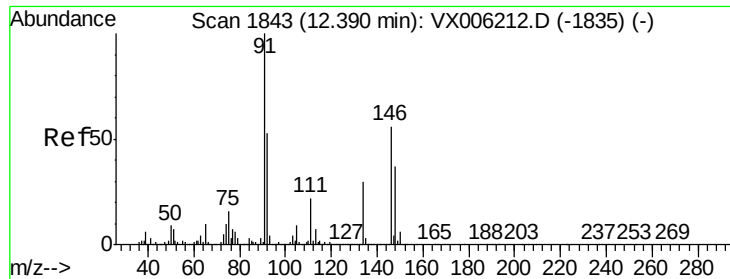
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#88
 1,4-Dichlorobenzene
 Concen: 21.126 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.3	54.8
148	64.5	31.9	95.9





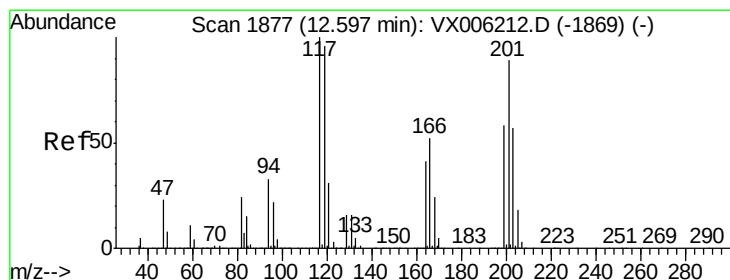
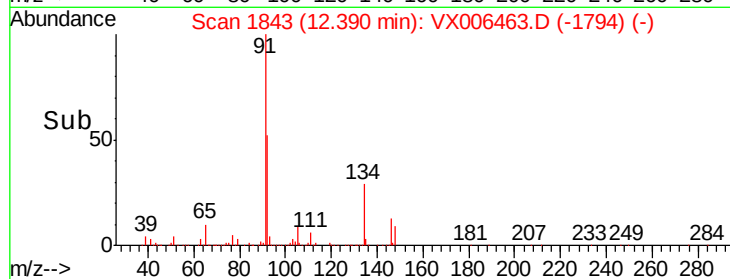
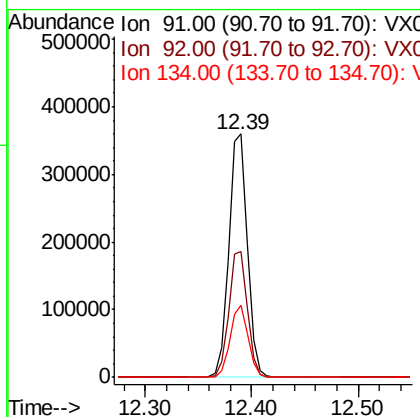
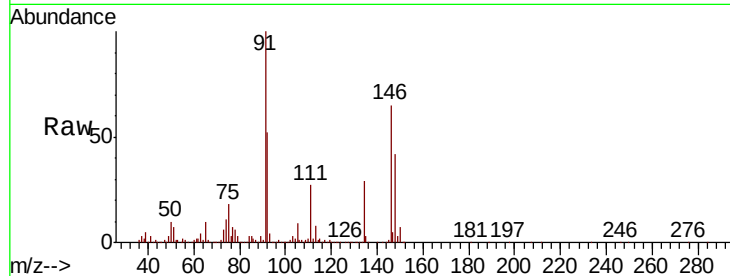
#89
n-Butylbenzene
Concen: 20.297 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.8
134	28.6	14.8	44.3

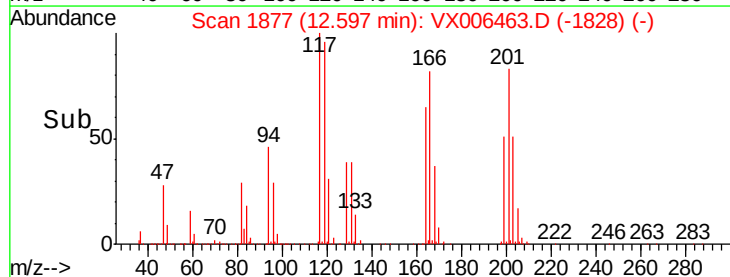
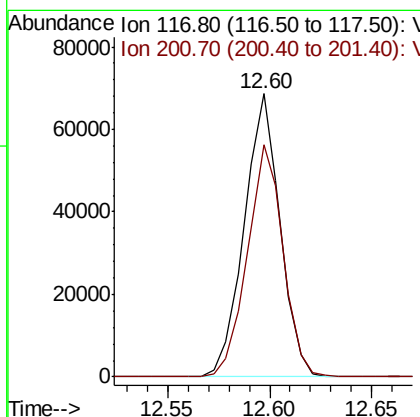
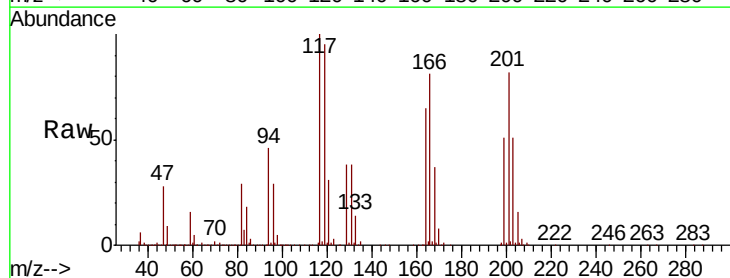
Manual Integrations
APPROVED

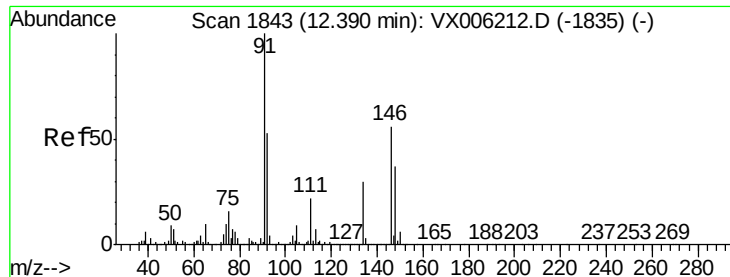
MMDadoda
12/13/2018 11:05:36 AM



#90
Hexachloroethane
Concen: 16.180 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	44.7	134.1





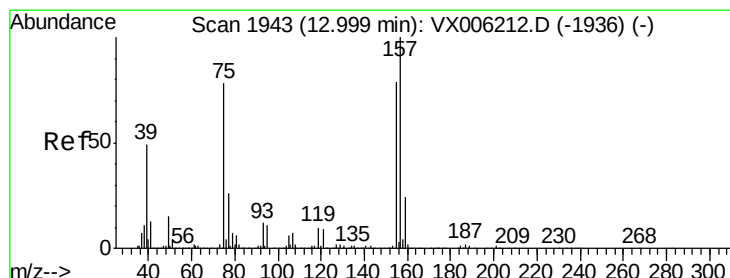
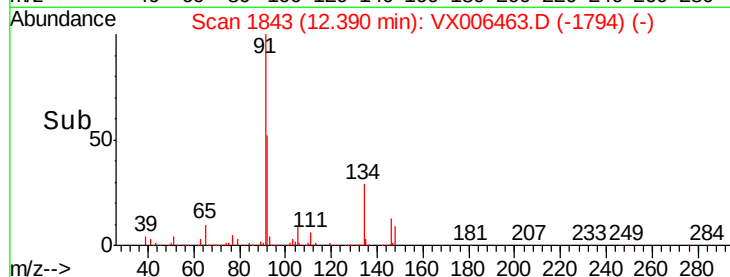
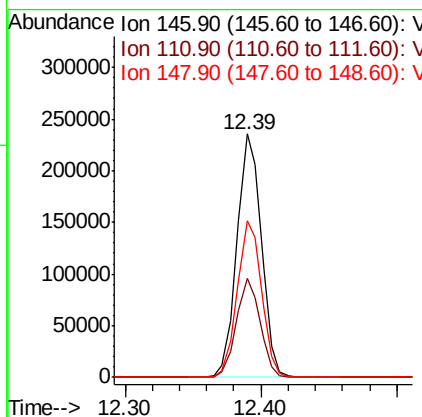
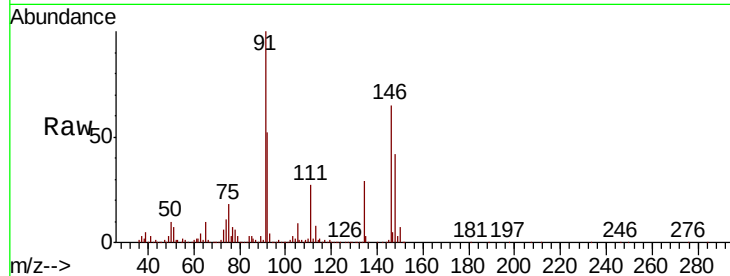
#91
1,2-Dichlorobenzene
Concen: 21.645 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.3
148	64.0	32.1	96.3

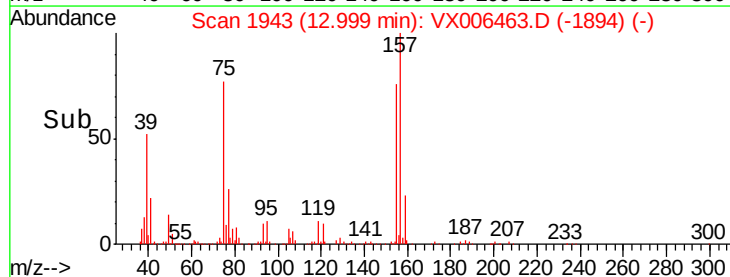
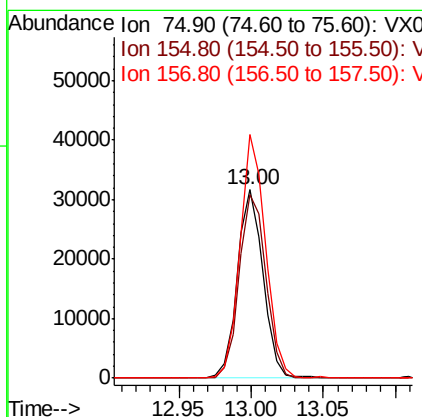
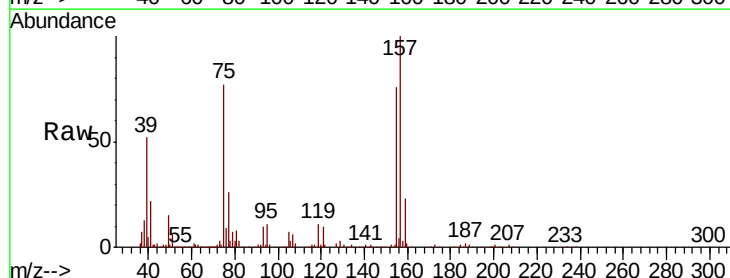
Manual Integrations
APPROVED

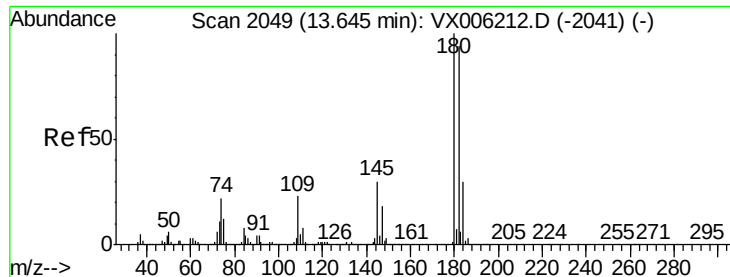
MMDadoda
12/13/2018 11:05:36 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.278 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	53.4	160.3
157	126.7	68.0	203.8





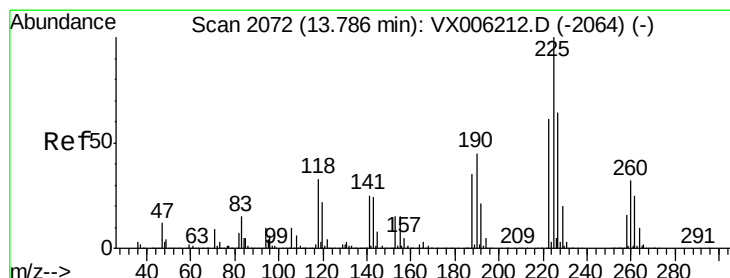
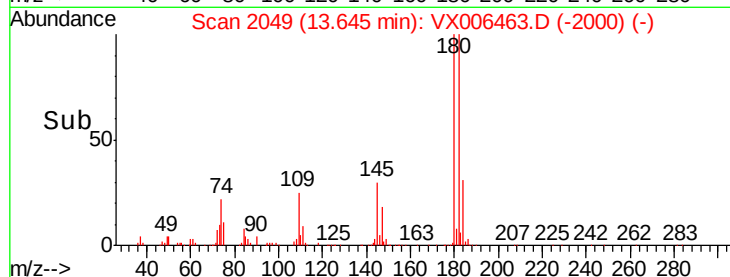
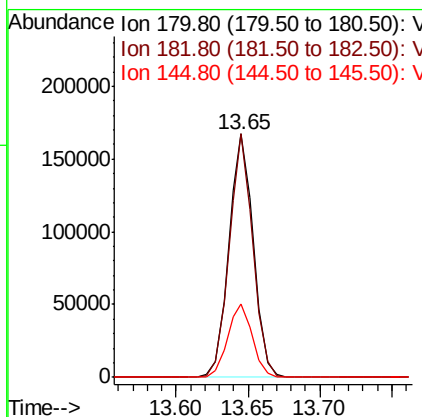
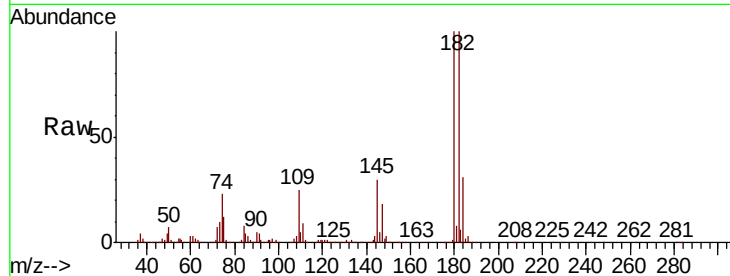
#93
 1,2,4-Trichlorobenzene
 Concen: 20.021 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	198978		
182	96.7	47.3	141.9	
145	30.6	14.6	43.8	

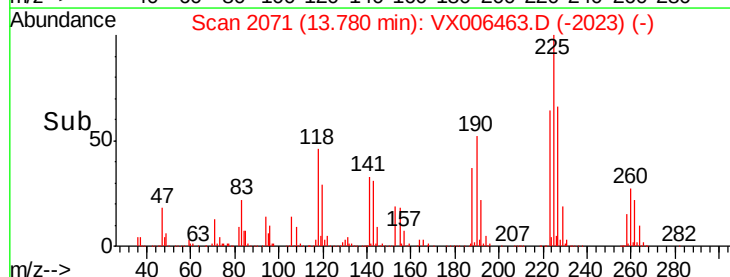
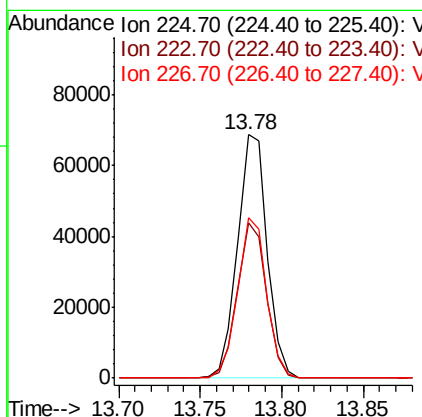
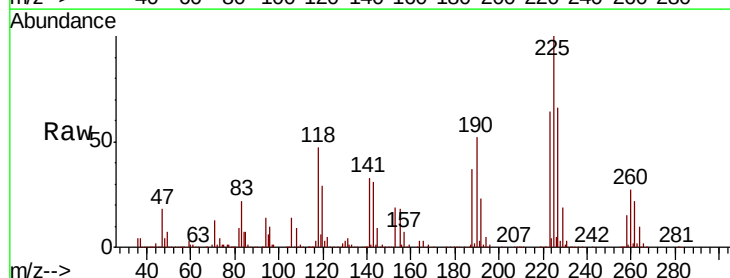
Manual Integrations
 APPROVED

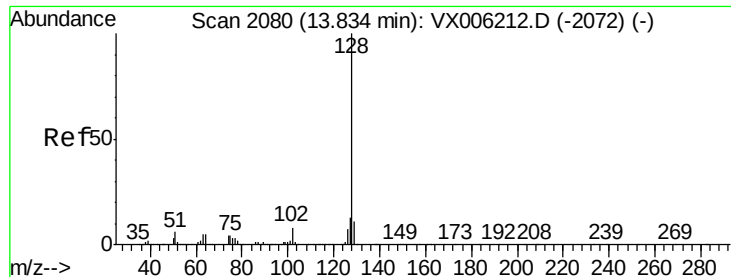
MMDadoda
 12/13/2018 11:05:36 AM



#94
 Hexachlorobutadiene
 Concen: 19.818 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006463.D
 Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87106		
223	62.5	31.2	93.6	
227	64.3	31.9	95.5	





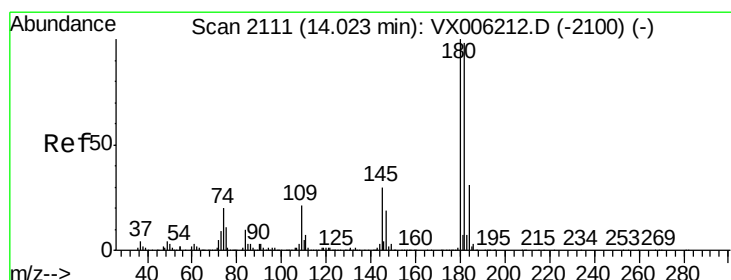
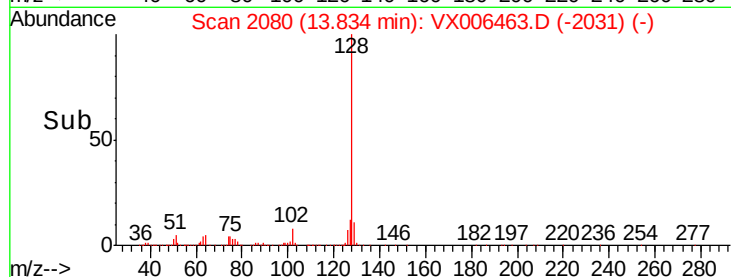
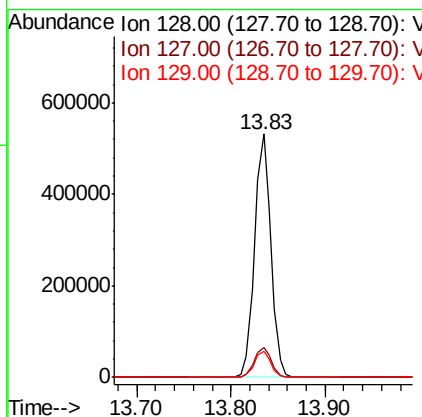
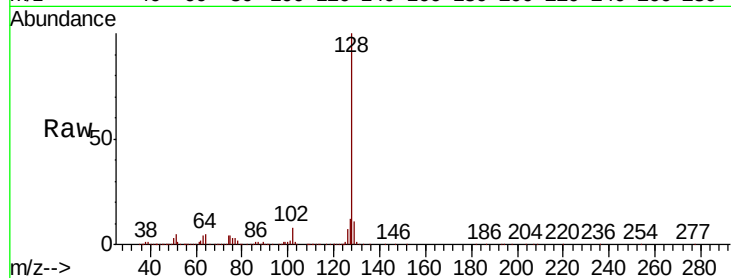
#95
Naphthalene
Concen: 21.066 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.473 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006463.D
Acq: 13 Dec 2018 00:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.4	145.2
145	32.7	15.6	46.8

