

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006440.D
 Acq On : 12 Dec 2018 13:06
 Operator : JC/MD
 Sample : VX1212WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:03 AM

Quant Time: Dec 13 06:29:58 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	580882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	892259	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	814472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	420613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	309980	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	5.51	113	286556	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	8.71	98	1052411	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	11.13	95	402573	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	119139	20.947	ug/l	100
3) Chloromethane	1.33	50	124687	21.333	ug/l	96
4) Vinyl Chloride	1.41	62	137325	21.830	ug/l	99
5) Bromomethane	1.64	94	117966	27.059	ug/l	98
6) Chloroethane	1.72	64	87494	22.685	ug/l	97
7) Trichlorofluoromethane	1.93	101	211411	21.894	ug/l	99
8) Diethyl Ether	2.19	74	80916	22.142	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	120257	21.902	ug/l	97
10) Methyl Iodide	2.51	142	182247	22.025	ug/l	99
11) Tert butyl alcohol	3.07	59	166738	102.818	ug/l	98
12) 1,1-Dichloroethene	2.37	96	116369	22.139	ug/l	91
13) Acrolein	2.29	56	100083	112.915	ug/l	96
14) Allyl chloride	2.73	41	198354	19.104	ug/l	97
15) Acrylonitrile	3.15	53	351304	103.811	ug/l	100
16) Acetone	2.45	43	308889	110.997	ug/l	95
17) Carbon Disulfide	2.57	76	313040	19.328	ug/l	99
18) Methyl Acetate	2.78	43	187318	20.128	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	395394	21.087	ug/l	96
20) Methylene Chloride	2.86	84	129898	21.933	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	121542	21.699	ug/l	92
22) Diisopropyl ether	3.87	45	355623	21.928	ug/l	98
23) Vinyl Acetate	3.82	43	1462010	105.694	ug/l	99
24) 1,1-Dichloroethane	3.70	63	211425	22.808	ug/l	98
25) 2-Butanone	4.70	43	438433	110.416	ug/l	98
26) 2,2-Dichloropropane	4.58	77	174301	20.374	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	139188	22.277	ug/l	98
28) Bromochloromethane	5.02	49	82519	20.380	ug/l	95
29) Tetrahydrofuran	5.15	42	293242	106.261	ug/l	97
30) Chloroform	5.21	83	218419	22.422	ug/l	100
31) Cyclohexane	5.58	56	187175	21.849	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	196617	21.213	ug/l	100
36) 1,1-Dichloropropene	5.80	75	162110	21.575	ug/l	99
37) Ethyl Acetate	4.85	43	166827	19.826	ug/l	96
38) Carbon Tetrachloride	5.78	117	168554	19.069	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	212037	21.740	ug/l	95
40) Benzene	6.15	78	491943	21.860	ug/l	99
41) Methacrylonitrile	5.06	41	90292	19.501	ug/l	96
42) 1,2-Dichloroethane	6.20	62	162276	22.033	ug/l	100
43) Isopropyl Acetate	6.46	43	271222	19.333	ug/l	99
44) Trichloroethene	7.21	130	145909	21.402	ug/l	95
45) 1,2-Dichloropropane	7.52	63	120652	21.095	ug/l	97
46) Dibromomethane	7.66	93	87463	21.174	ug/l	96
47) Bromodichloromethane	7.90	83	151603	18.952	ug/l	98
48) Methyl methacrylate	7.77	41	131944	19.332	ug/l	95
49) 1,4-Dioxane	7.75	88	72865	433.169	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	843884	103.328	ug/l	97
52) Toluene	8.79	92	325843	22.008	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	168870	18.051	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	187059	19.256	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	133431	22.184	ug/l	99
56) Ethyl methacrylate	9.18	69	194082	20.640	ug/l	97
57) 1,3-Dichloropropane	9.37	76	208634	21.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	444960	93.251	ug/l	98
59) 2-Hexanone	9.49	43	647813	103.822	ug/l	98
60) Dibromochloromethane	9.59	129	135864	18.318	ug/l	99
61) 1,2-Dibromoethane	9.67	107	143724	21.370	ug/l	100
64) Tetrachloroethene	9.34	164	134684	21.958	ug/l	97
65) Chlorobenzene	10.14	112	374923	21.685	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	133419	19.861	ug/l	99
67) Ethyl Benzene	10.25	91	621603	21.617	ug/l	99
68) m/p-Xylenes	10.36	106	497483	43.189	ug/l	99
69) o-Xylene	10.70	106	246607	21.674	ug/l	100
70) Styrene	10.71	104	392088	21.307	ug/l	98
71) Bromoform	10.86	173	100442	15.839	ug/l #	100
73) Isopropylbenzene	11.02	105	644483	22.188	ug/l	100
74) N-amyl acetate	10.90	43	242619	19.397	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	197080	21.208	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	186826m	23.012	ug/l	
77) Bromobenzene	11.26	156	178108	22.095	ug/l	99
78) n-propylbenzene	11.36	91	702339	21.752	ug/l	99
79) 2-Chlorotoluene	11.42	91	422754	22.029	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	536017	22.179	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	55468	16.033	ug/l	86
82) 4-Chlorotoluene	11.51	91	486198	21.790	ug/l	99
83) tert-Butylbenzene	11.77	119	559536	21.699	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	549887	22.035	ug/l	99
85) sec-Butylbenzene	11.94	105	643203	21.926	ug/l	98
86) p-Isopropyltoluene	12.06	119	577270	21.853	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	311163	21.694	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	309576	21.264	ug/l	98
89) n-Butylbenzene	12.39	91	470879	20.892	ug/l	100
90) Hexachloroethane	12.60	117	95056	17.656	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	311176	21.859	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43127	18.104	ug/l	90

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ClientSampleId :
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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	211711	20.385	ug/l	99
94) Hexachlorobutadiene	13.78	225	96086	20.920	ug/l	98
95) Naphthalene	13.83	128	677751	20.979	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	214014	20.805	ug/l	97

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

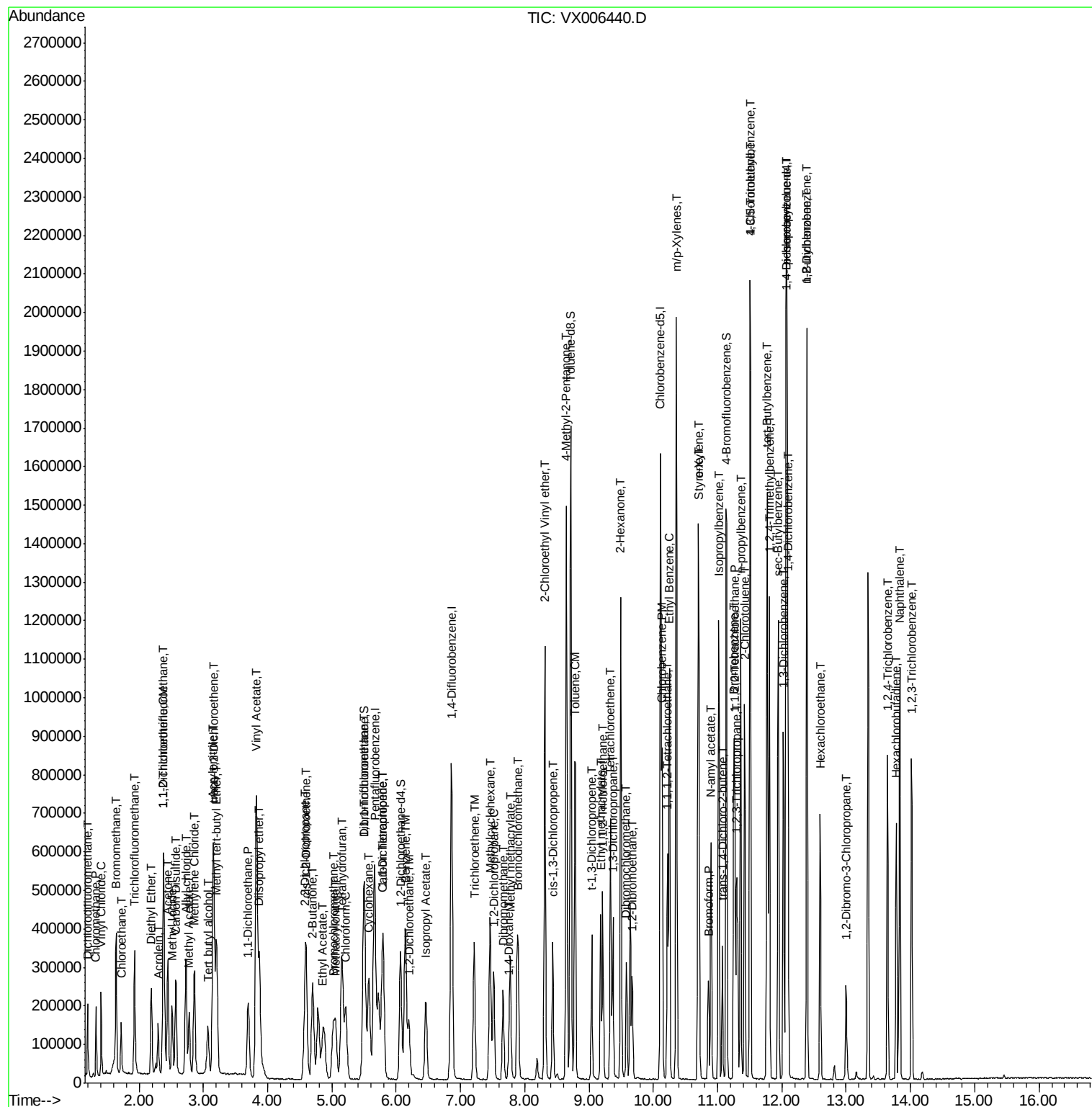
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Data File : VX006440.D
Acq On : 12 Dec 2018 13:06
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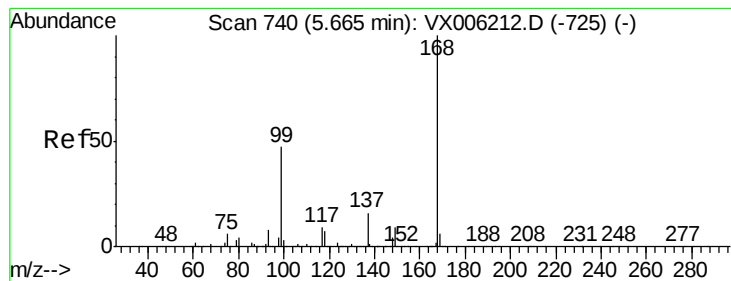
Instrument :
MSVOA_X
Client Sampled :
VX1212WBS01

Manual Integrations
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MMDadoda
12/13/2018 11:05:03 AM

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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: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion:168 Resp: 580882

Ion Ratio Lower Upper

168 100

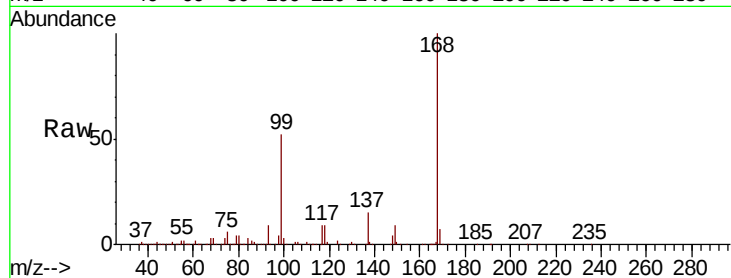
99 51.5 37.8 56.8

Manual Integrations

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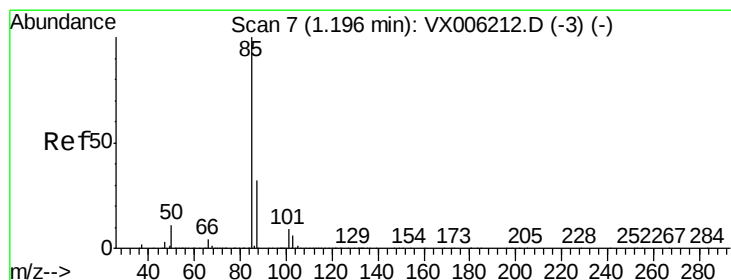
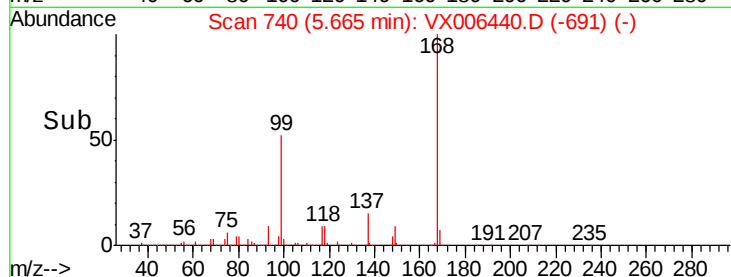
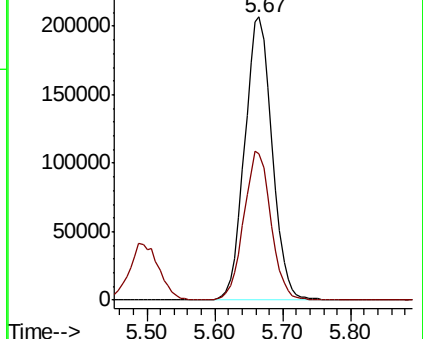
MMDadoda

12/13/2018 11:05:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.947 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006440.D

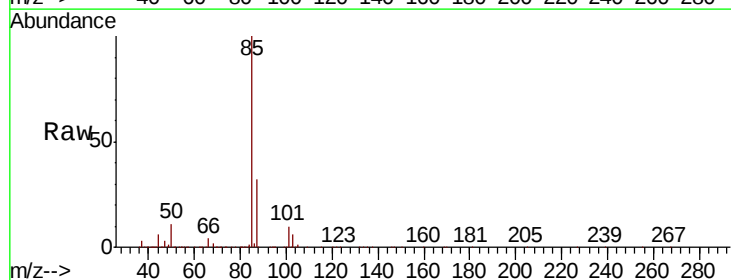
Acq: 12 Dec 2018 13:06

Tgt Ion: 85 Resp: 119139

Ion Ratio Lower Upper

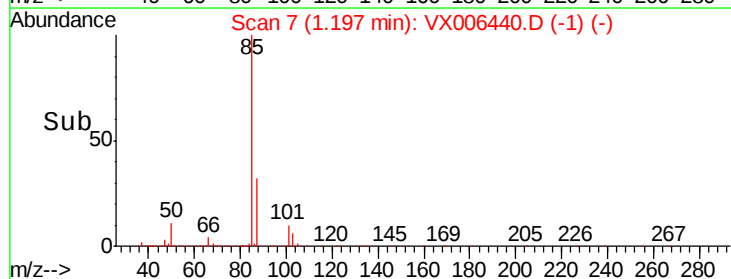
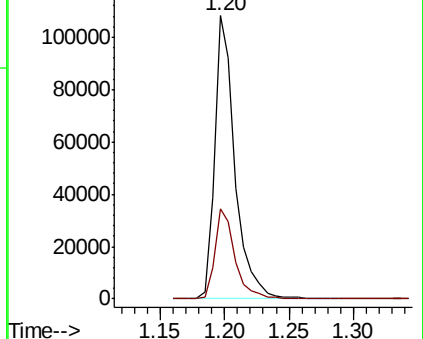
85 100

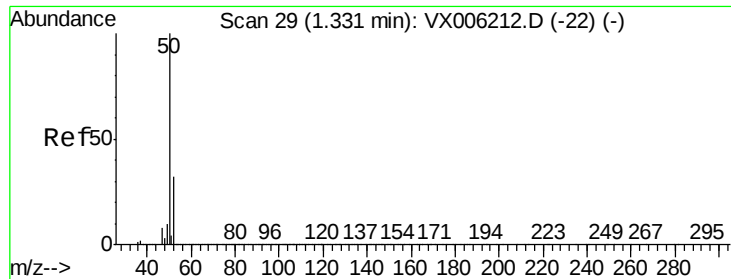
87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.333 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 50 Resp: 124687

Ion Ratio Lower Upper

50 100

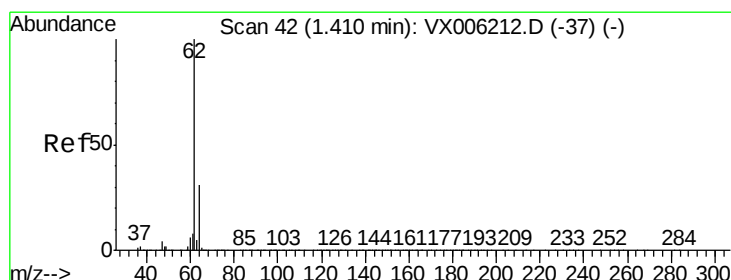
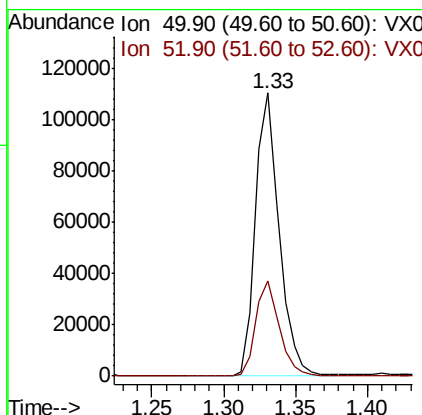
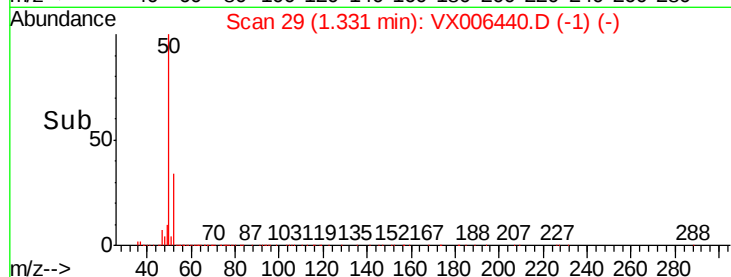
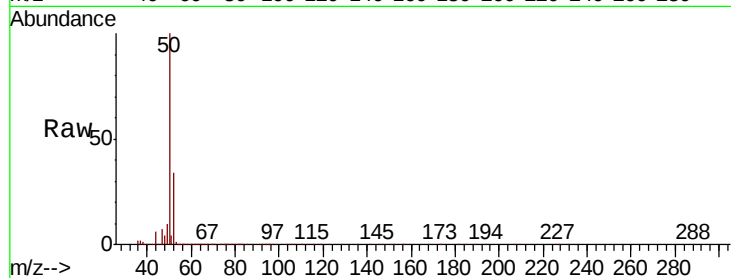
52 33.6 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.830 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006440.D

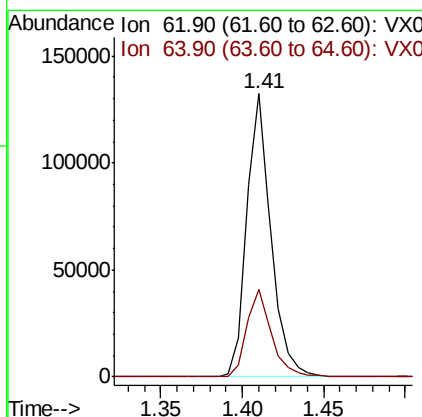
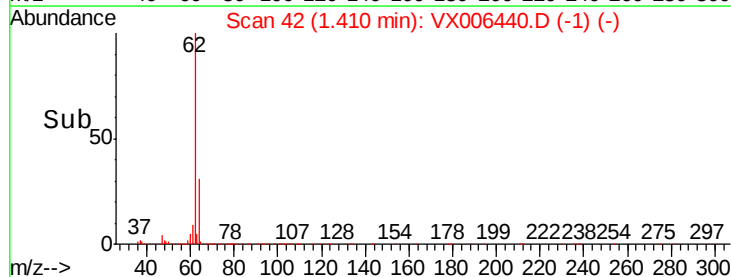
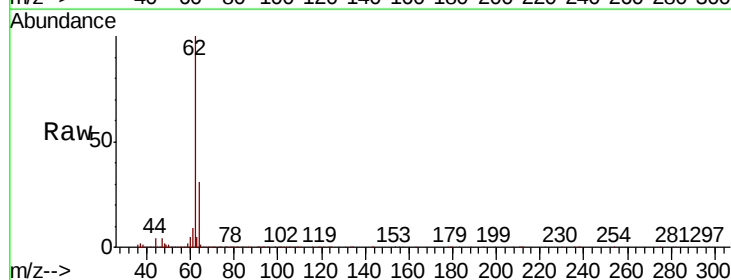
Acq: 12 Dec 2018 13:06

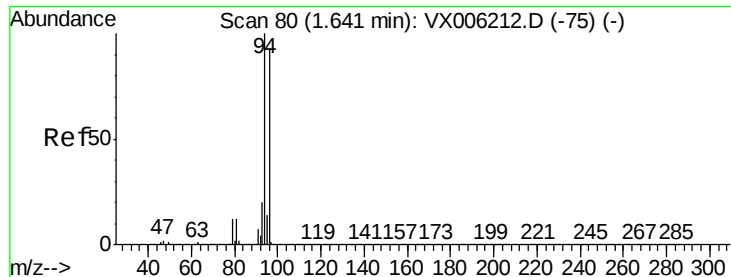
Tgt Ion: 62 Resp: 137325

Ion Ratio Lower Upper

62 100

64 30.8 24.9 37.3





#5

Bromomethane

Concen: 27.059 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 94 Resp: 117966

Ion Ratio Lower Upper

94 100

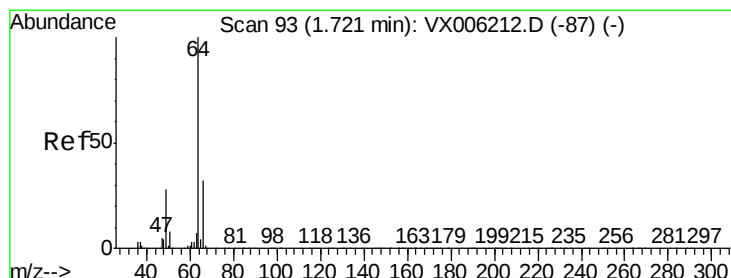
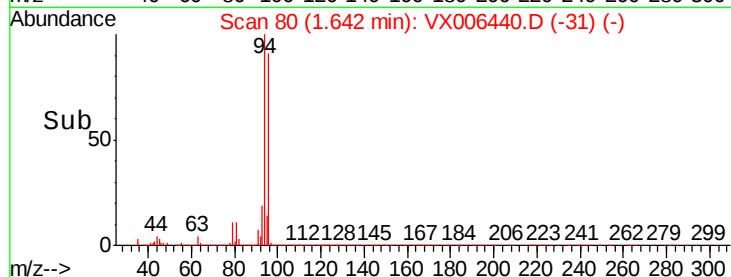
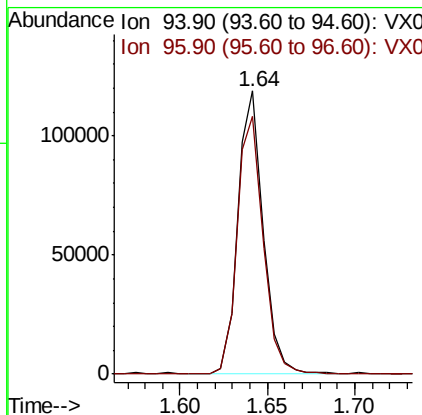
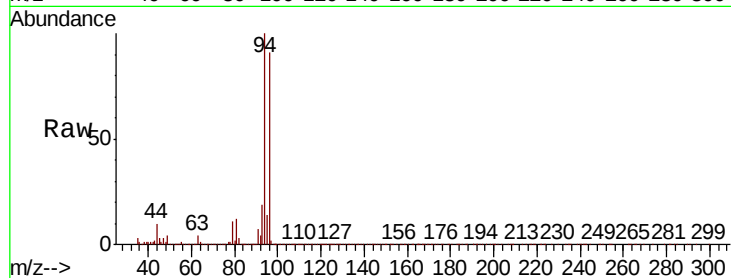
96 90.9 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 22.685 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006440.D

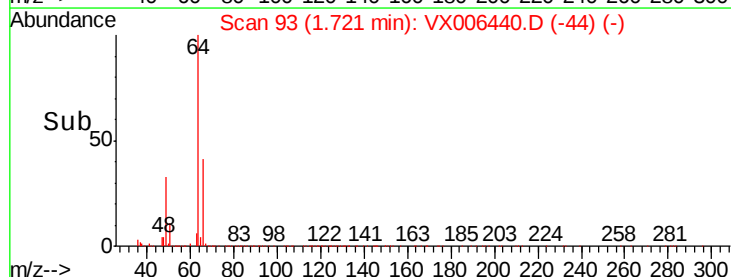
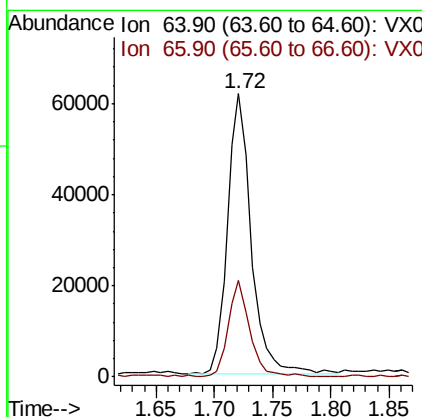
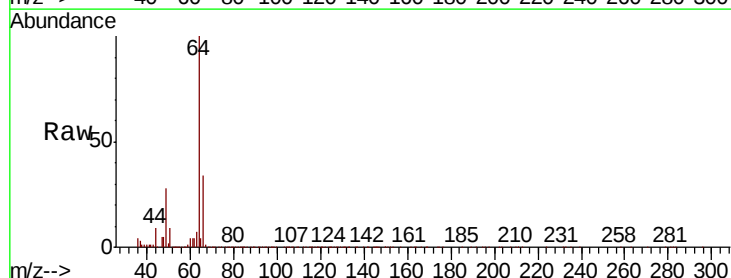
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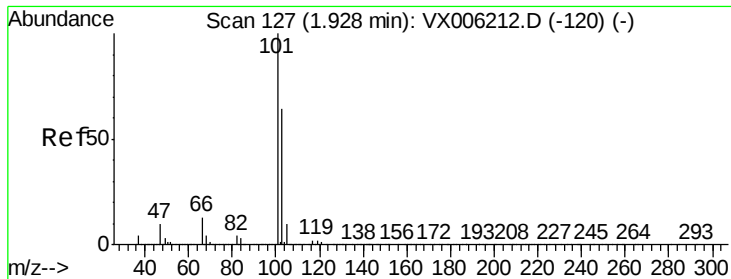
Tgt Ion: 64 Resp: 87494

Ion Ratio Lower Upper

64 100

66 34.3 25.9 38.9





#7

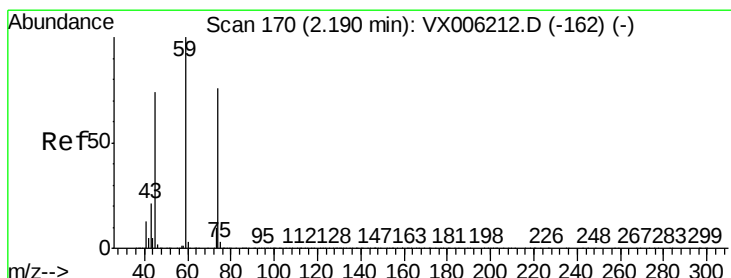
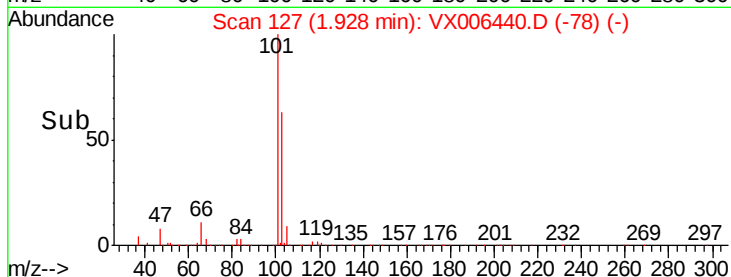
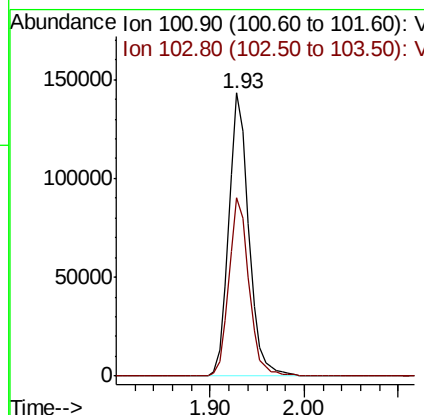
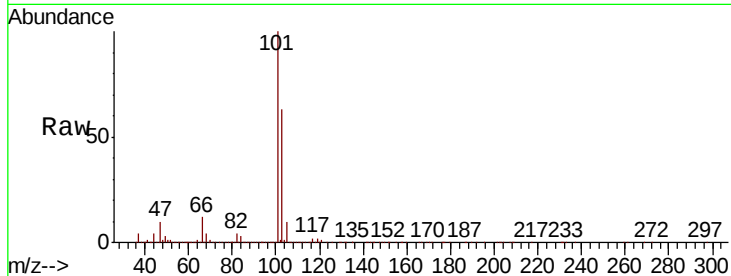
Trichlorofluoromethane
Concen: 21.894 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	211411		
103	63.1	51.0	76.4	

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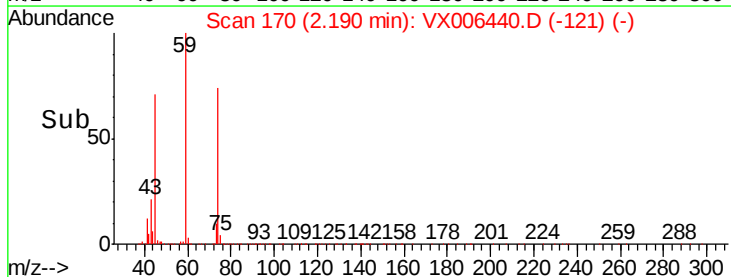
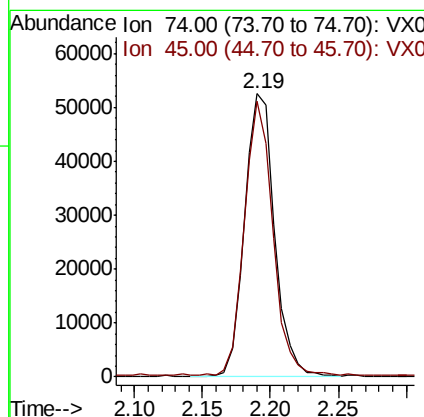
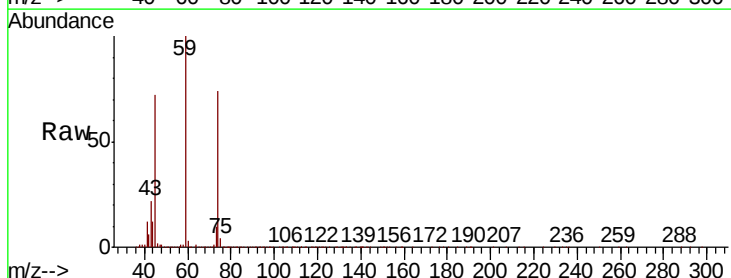
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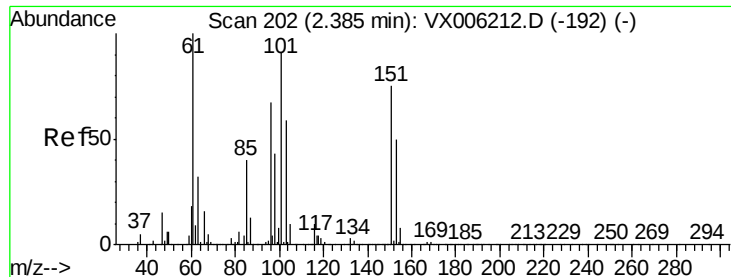


#8

Diethyl Ether
Concen: 22.142 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	80916		
45	92.3	49.5	148.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.902 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

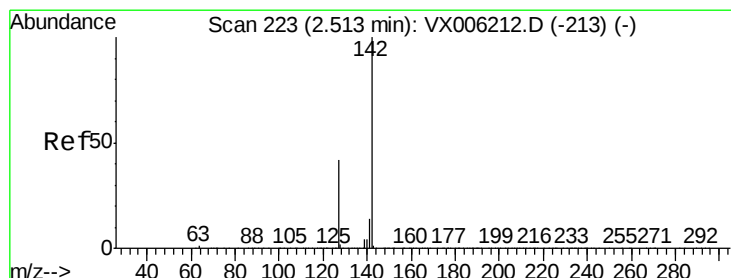
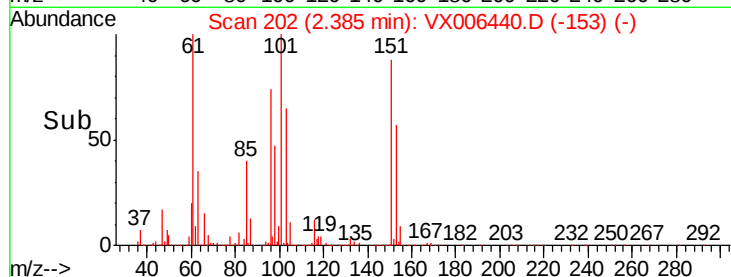
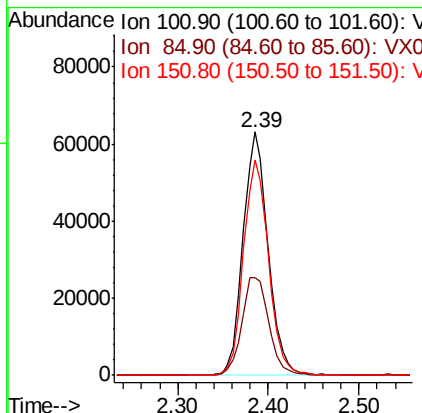
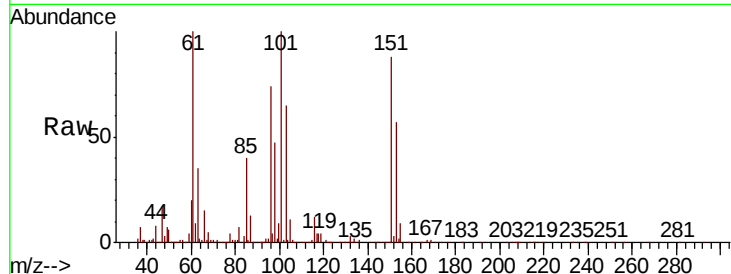
ClientSampleId :

VX1212WBS01

Tot Ion:	101	Resp:	120257
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.5	53.3
151	88.9	68.6	103.0

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#10

Methyl Iodide

Concen: 22.025 ug/l

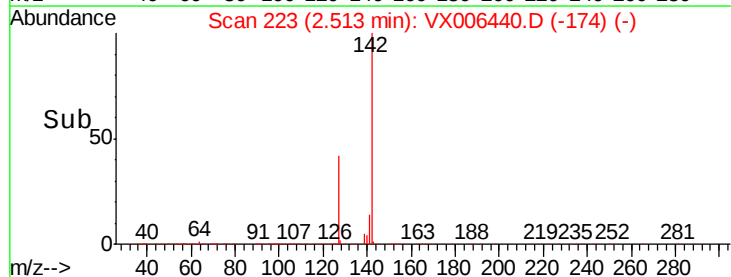
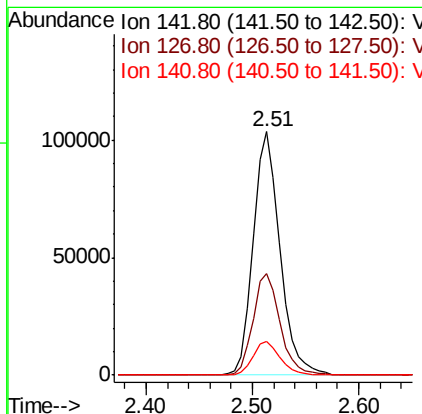
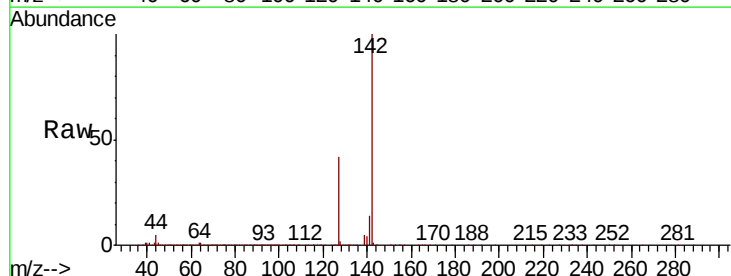
RT: 2.51 min Scan# 223

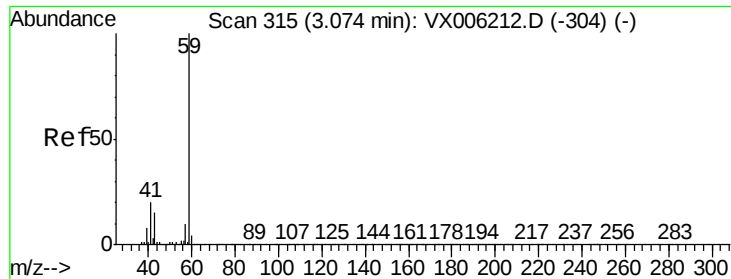
Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Tgt Ion:	142	Resp:	182247
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.8	52.2
141	14.4	11.4	17.2





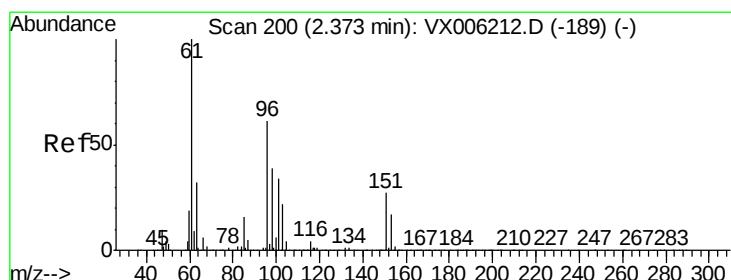
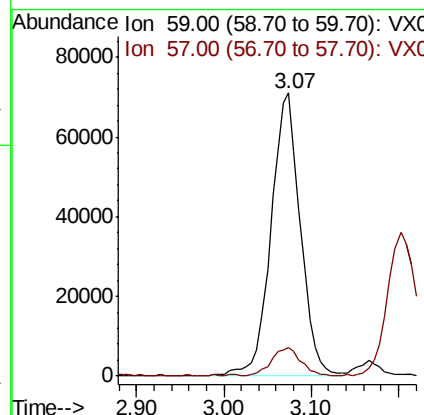
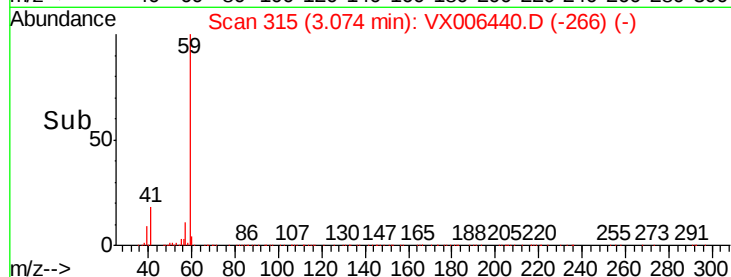
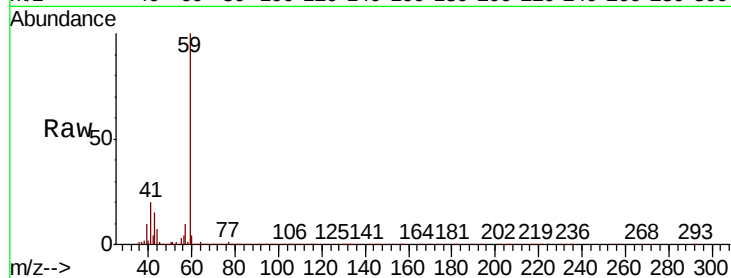
#11
Tert butyl alcohol
Concen: 102.818 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.2	12.2

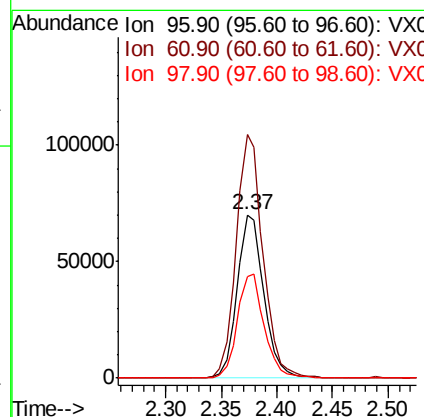
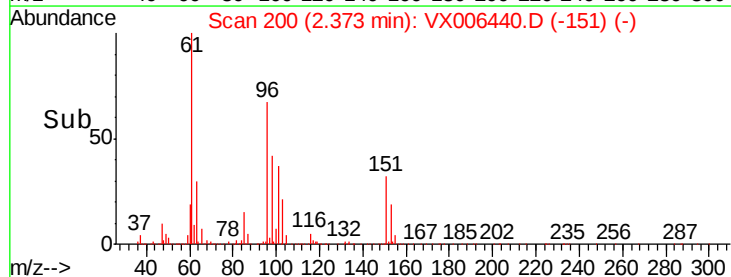
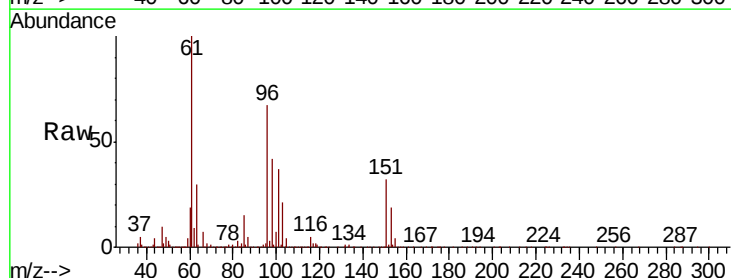
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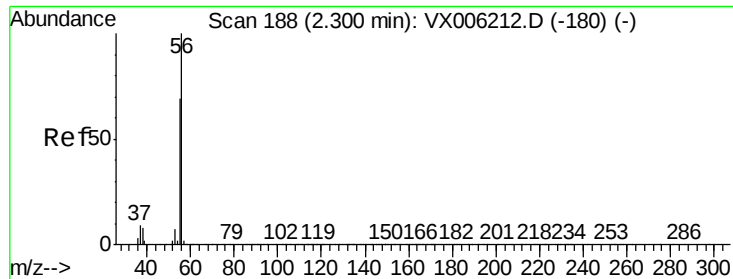
MMDadoda
12/13/2018 11:05:03 AM



#12
1,1-Dichloroethene
Concen: 22.139 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.9	131.7	197.5
98	61.7	51.8	77.6





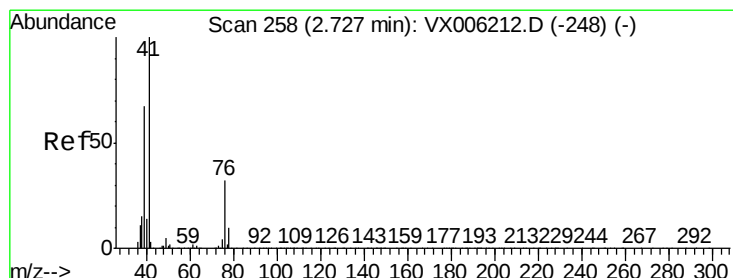
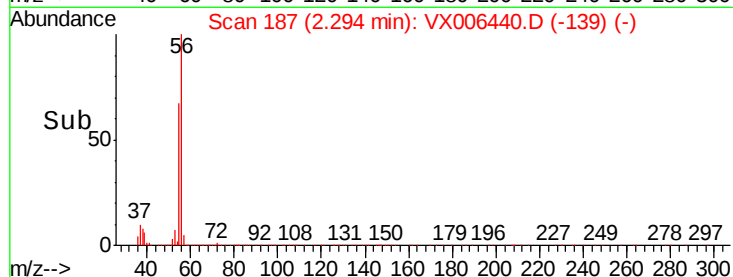
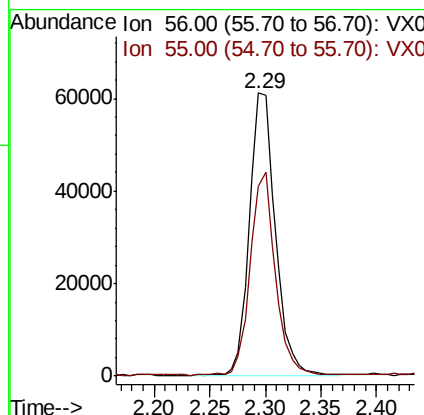
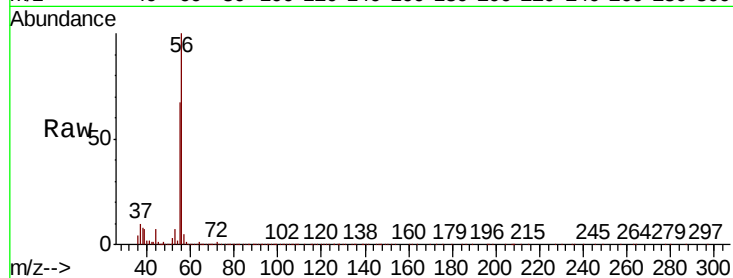
#13
Acrolein
Concen: 112.915 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.8	86.6

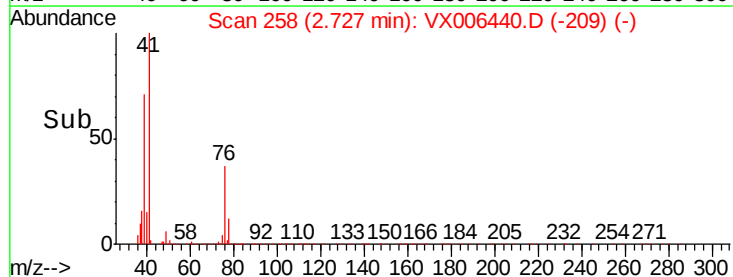
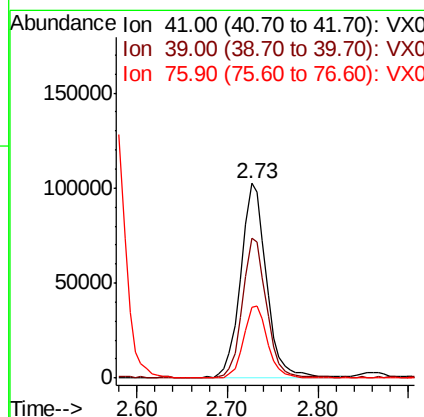
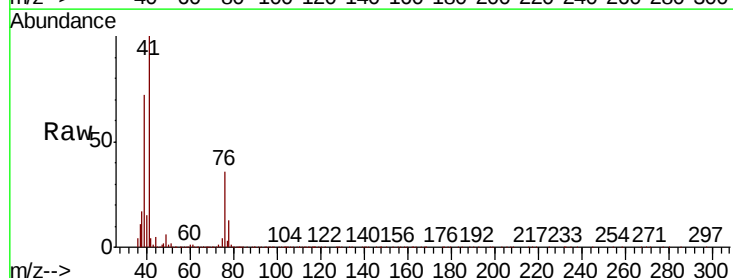
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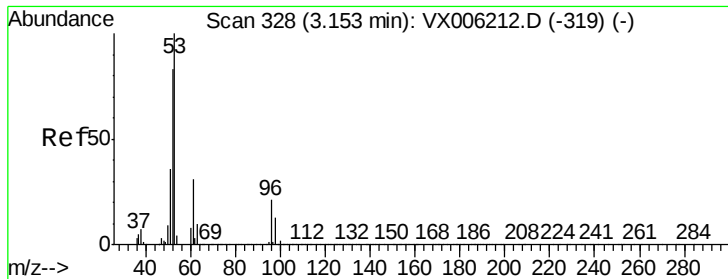
MMDadoda
12/13/2018 11:05:03 AM



#14
Allyl chloride
Concen: 19.104 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.2	52.4	78.6
76	34.4	25.4	38.0





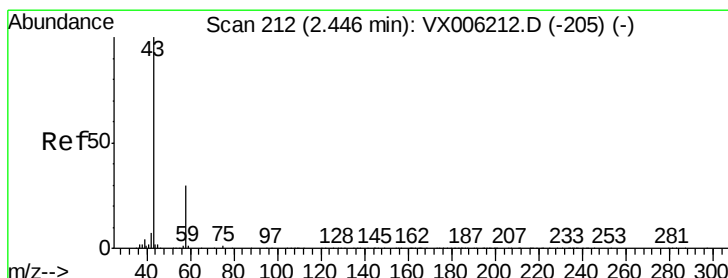
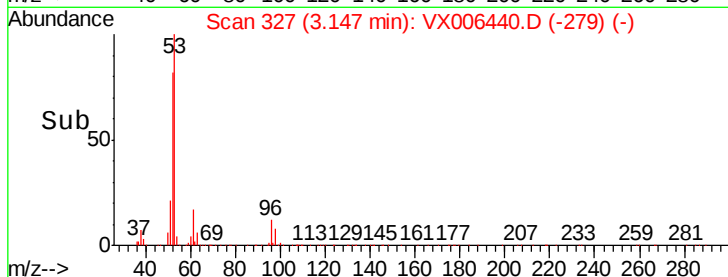
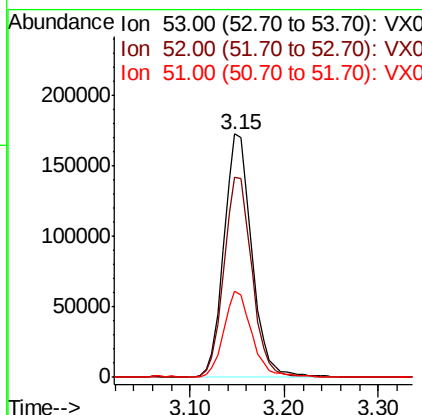
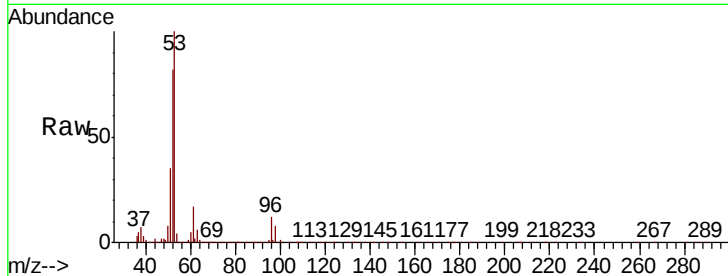
#15
Acrylonitrile
Concen: 103.811 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion:	53	Resp:	351304
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.4
51	35.7	28.7	43.1

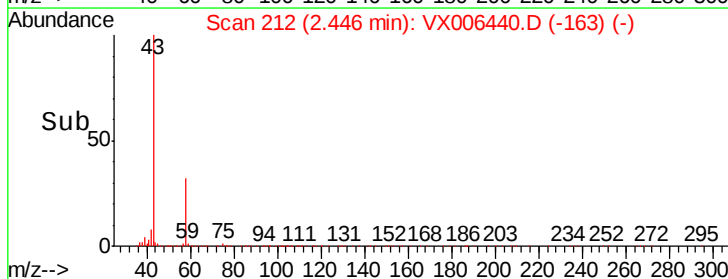
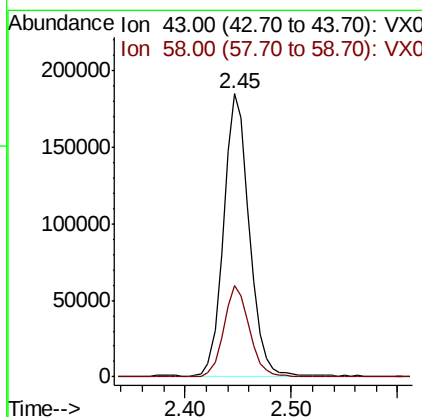
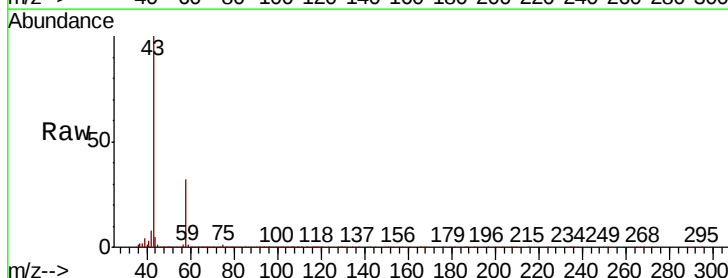
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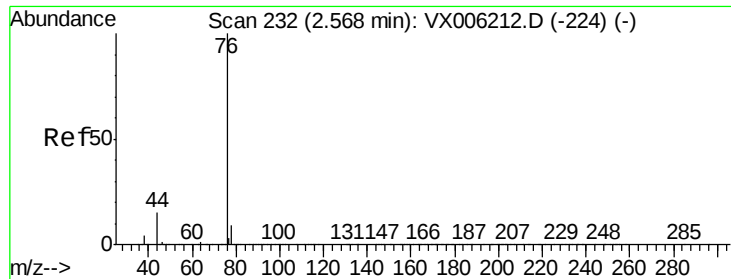
MMDadoda
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#16
Acetone
Concen: 110.997 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion:	43	Resp:	308889
Ion Ratio	Lower	Upper	
43	100		
58	32.5	24.0	36.0





#17

Carbon Disulfide

Concen: 19.328 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 76 Resp: 313040

Ion Ratio Lower Upper

76 100

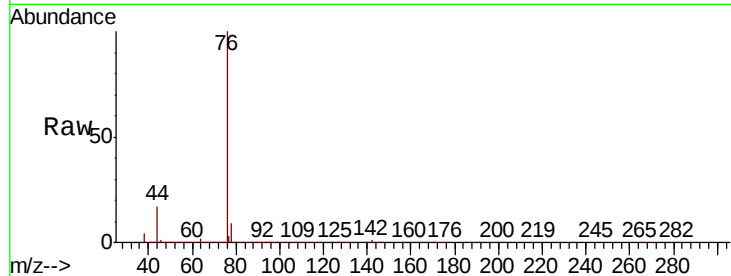
78 8.6 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

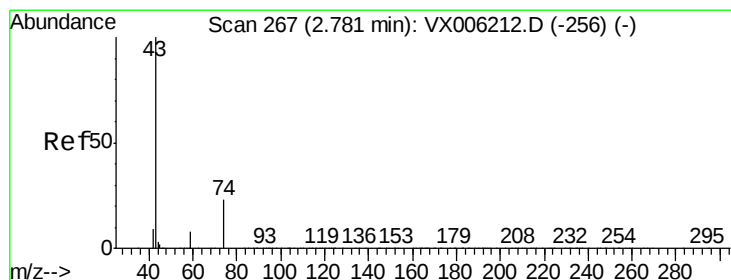
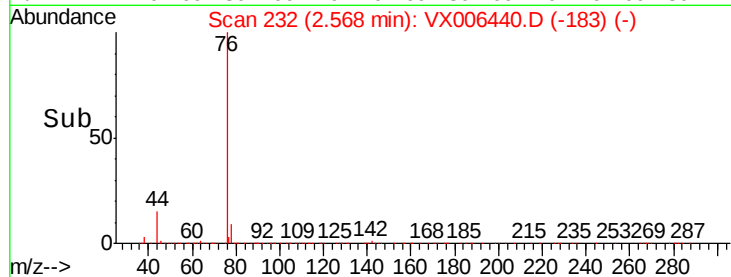
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.128 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006440.D

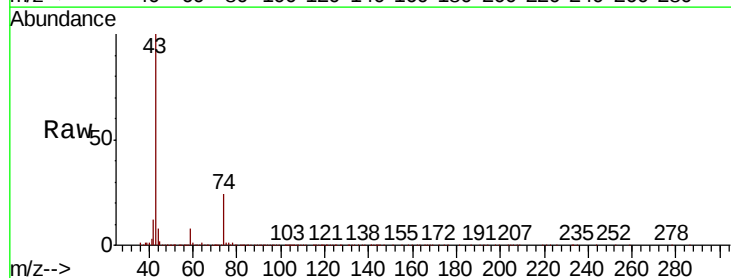
Acq: 12 Dec 2018 13:06

Tgt Ion: 43 Resp: 187318

Ion Ratio Lower Upper

43 100

74 24.2 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

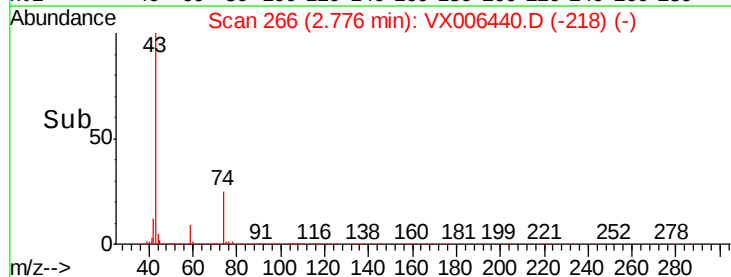
60000

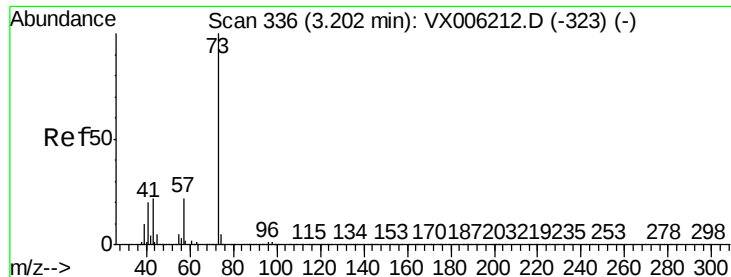
40000

20000

0

Time-->





#19

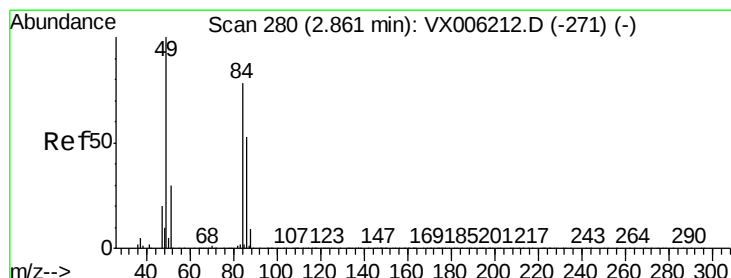
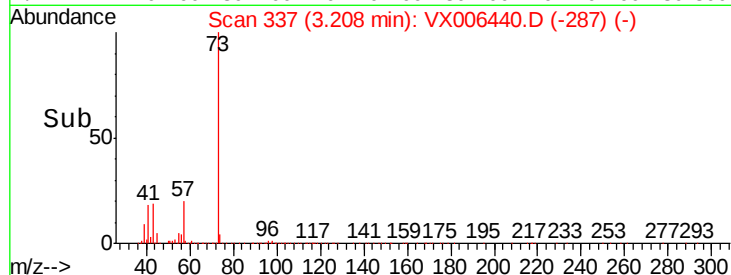
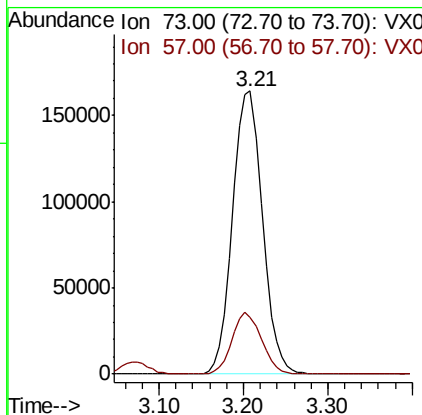
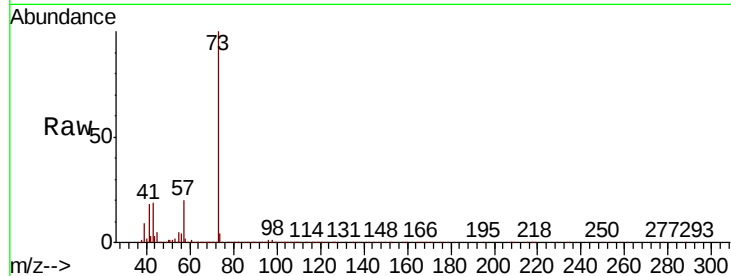
Methyl tert-butyl Ether
 Concen: 21.087 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.5	26.3

Manual Integrations
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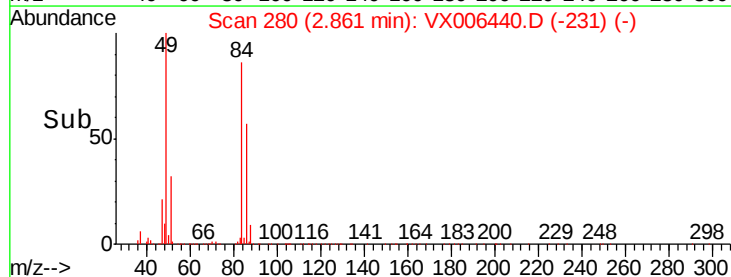
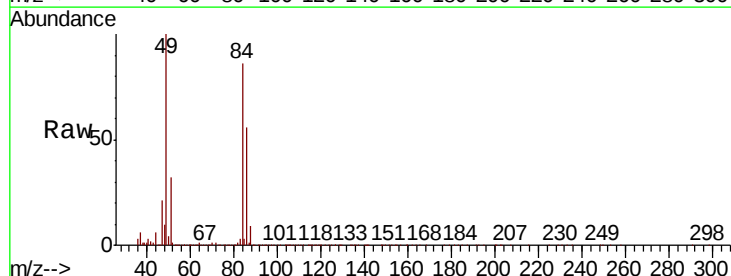
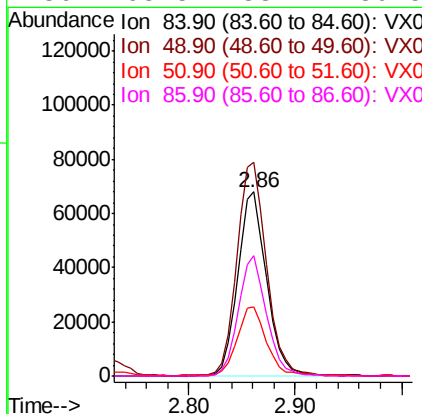
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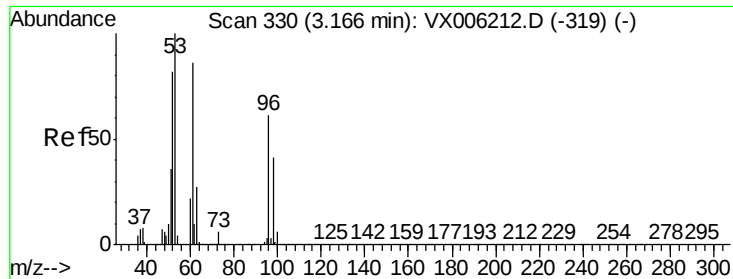


#20

Methylene Chloride
 Concen: 21.933 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.7	102.2	153.4
51	36.9	31.1	46.7
86	65.5	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 21.699 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

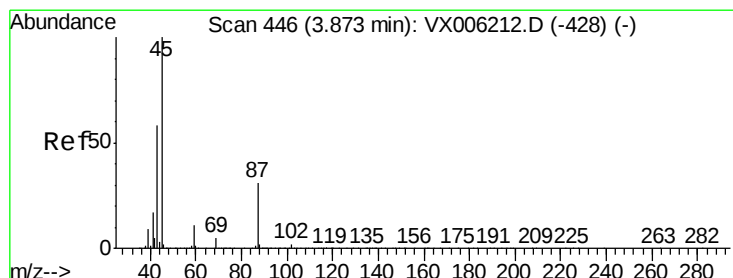
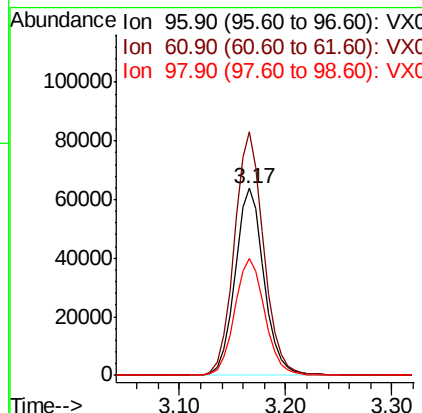
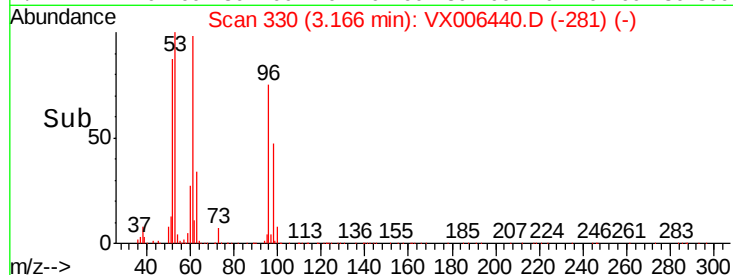
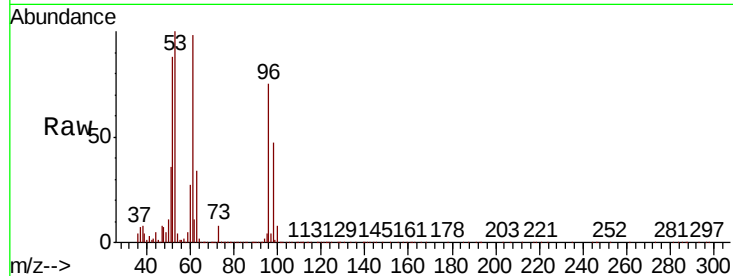
ClientSampleId :

VX1212WBS01

Tot Ion:	96	Resp:	121542
Ion Ratio	Lower	Upper	
96	100		
61	129.9	113.3	169.9
98	62.5	53.2	79.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.928 ug/l

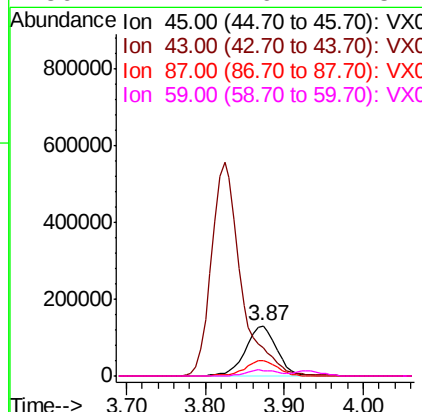
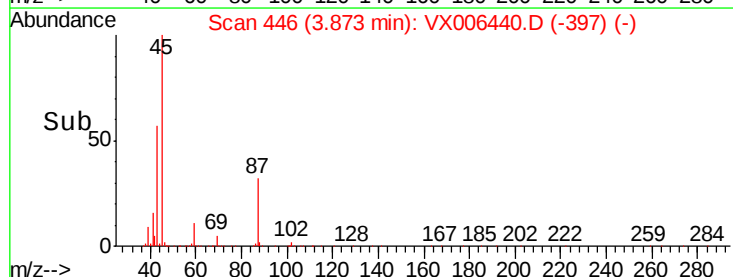
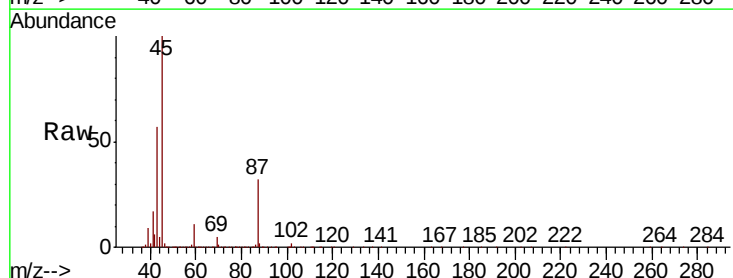
RT: 3.87 min Scan# 446

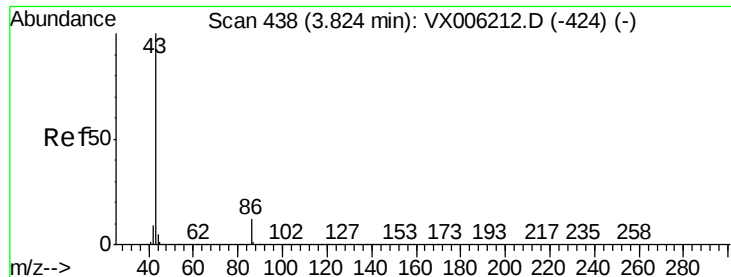
Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Tgt Ion:	45	Resp:	355623
Ion Ratio	Lower	Upper	
45	100		
43	56.0	46.2	69.2
87	31.7	24.9	37.3
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 105.694 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 43 Resp: 1462010

Ion Ratio Lower Upper

43 100

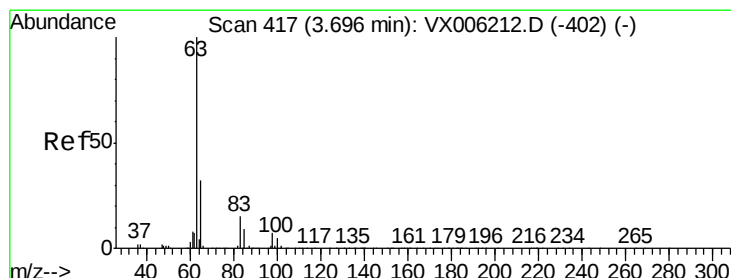
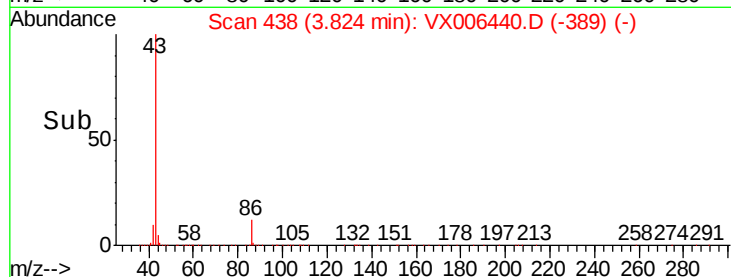
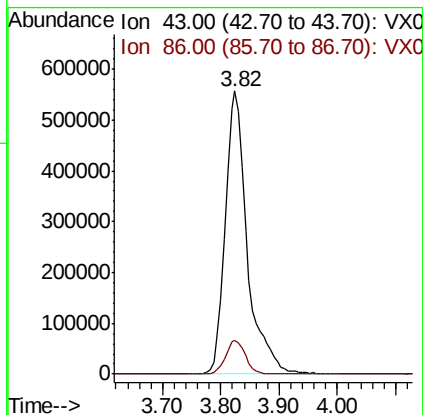
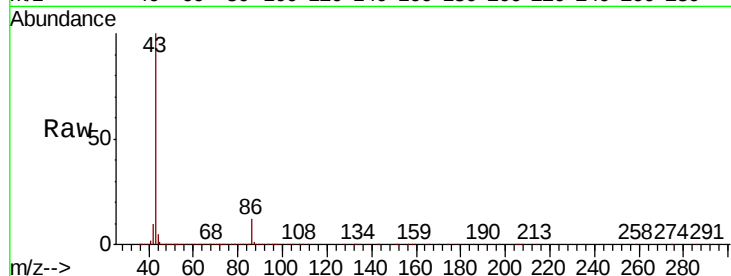
86 12.1 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.808 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

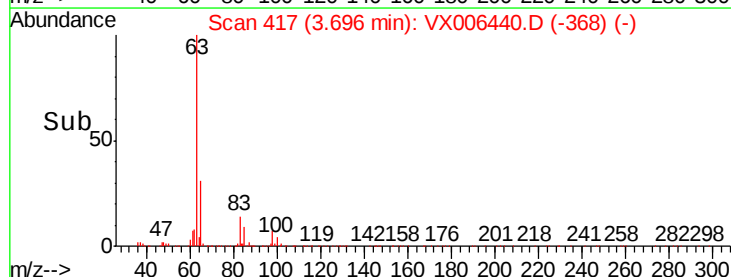
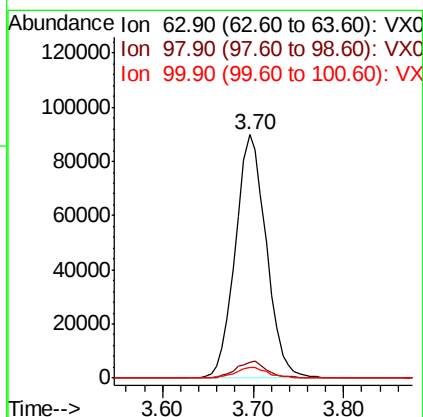
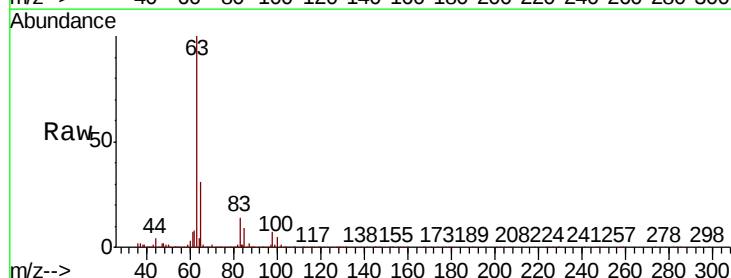
Tgt Ion: 63 Resp: 211425

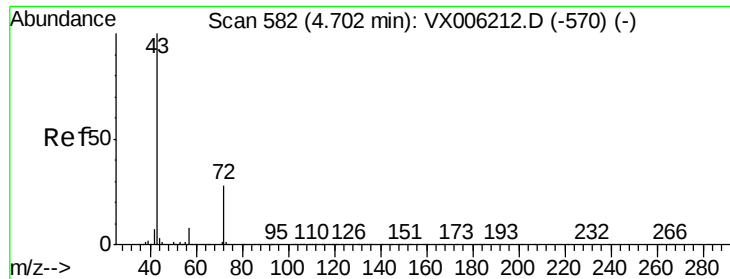
Ion Ratio Lower Upper

63 100

98 6.5 3.8 11.4

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 110.416 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 43 Resp: 438433

Ion Ratio Lower Upper

43 100

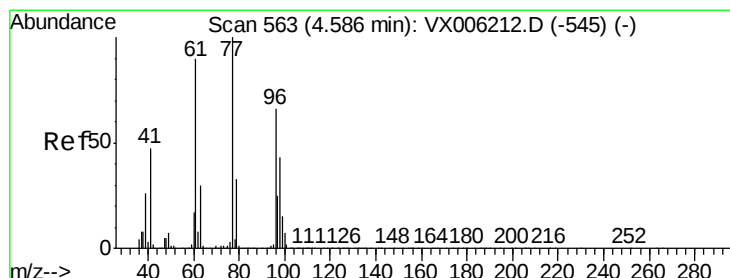
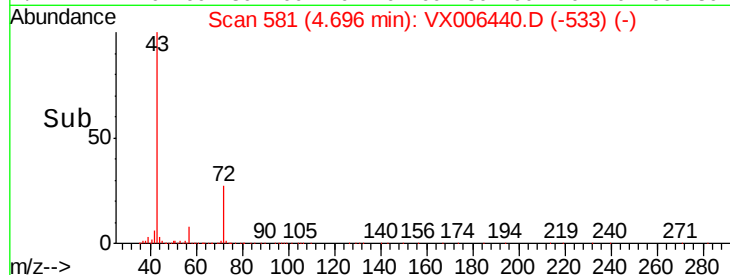
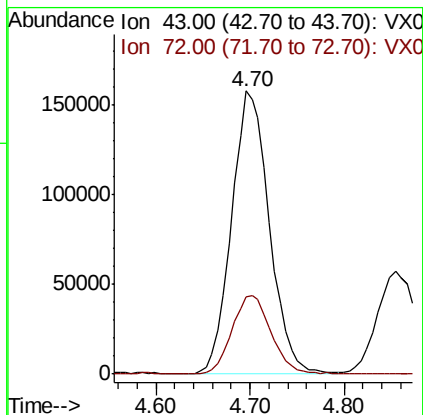
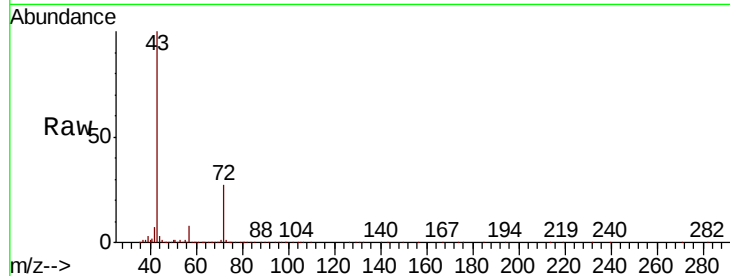
72 27.3 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.374 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006440.D

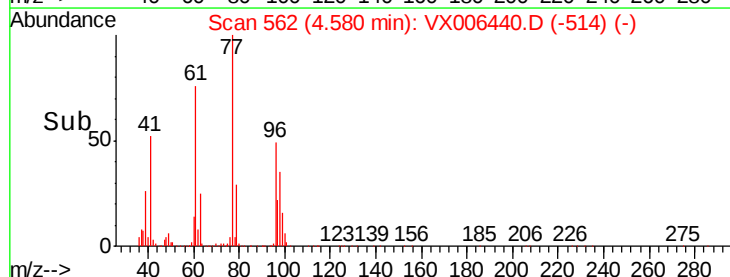
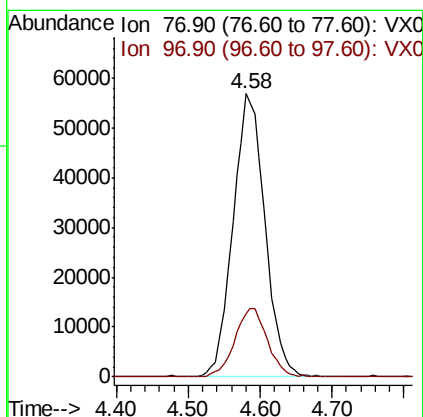
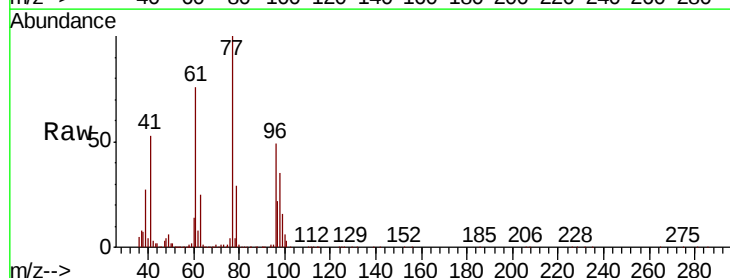
Acq: 12 Dec 2018 13:06

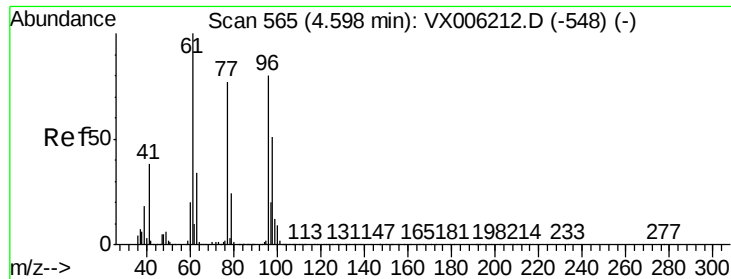
Tgt Ion: 77 Resp: 174301

Ion Ratio Lower Upper

77 100

97 24.8 12.3 36.8





#27

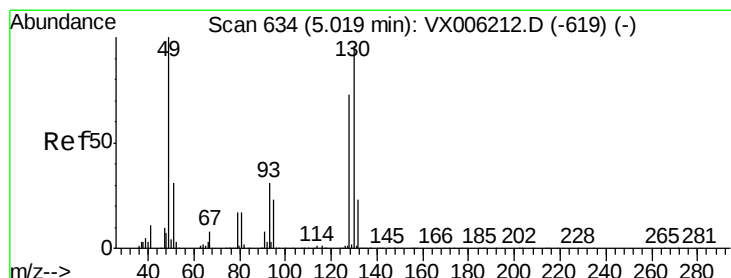
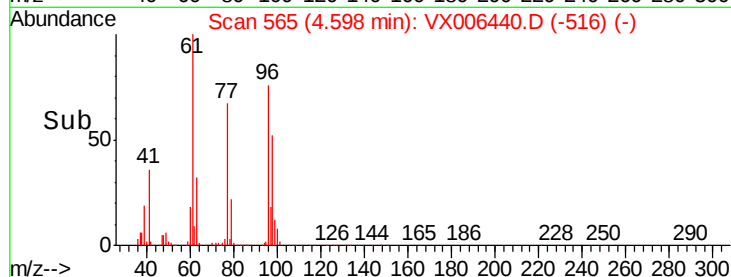
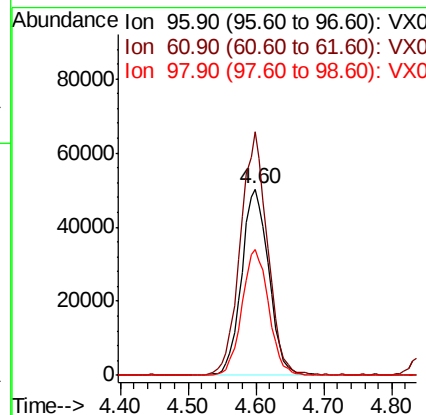
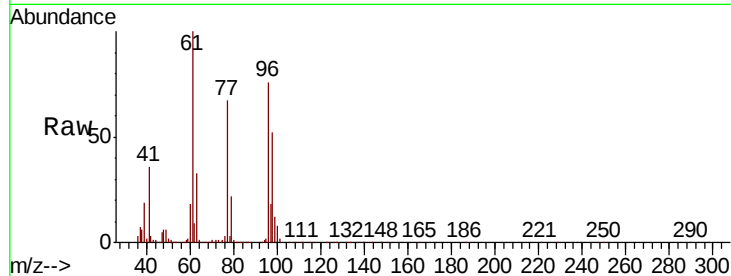
cis-1,2-Dichloroethene
Concen: 22.277 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139188		
61	129.9	0.0	265.0	
98	66.4	0.0	130.2	

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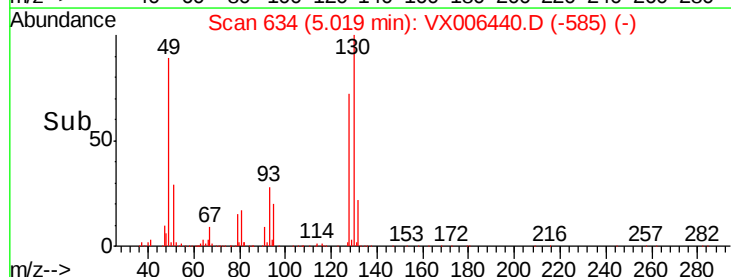
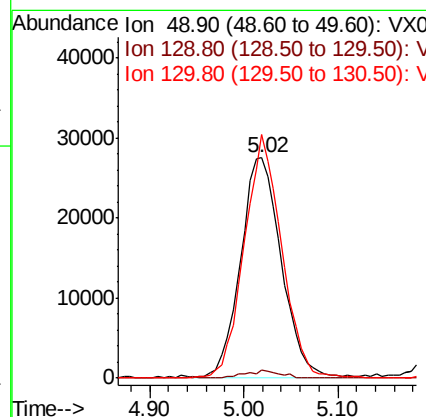
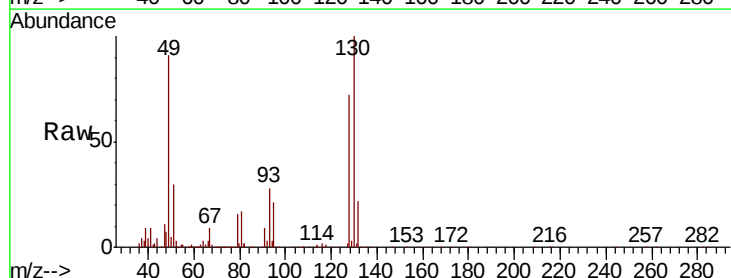
MMDadoda
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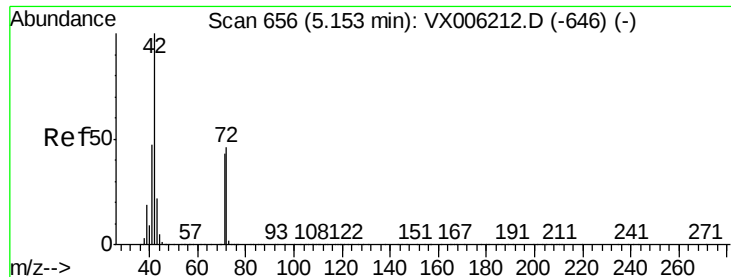


#28

Bromochloromethane
Concen: 20.380 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	82519		
129	3.1	0.0	5.0	
130	102.5	78.3	117.5	





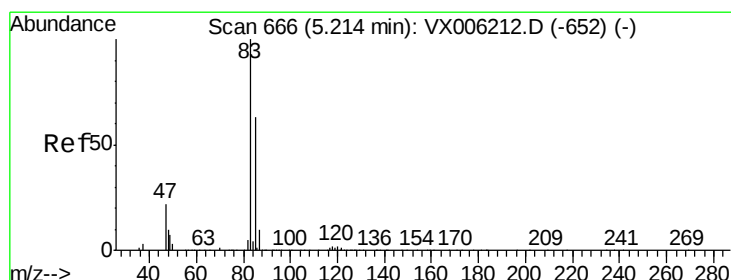
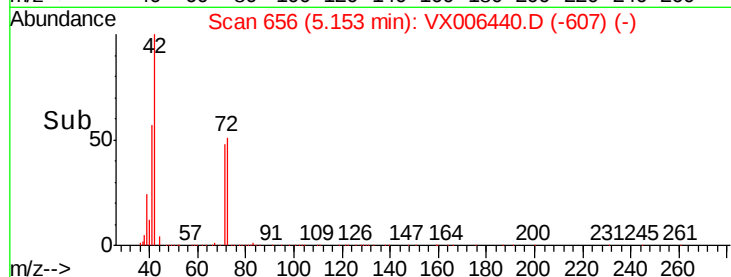
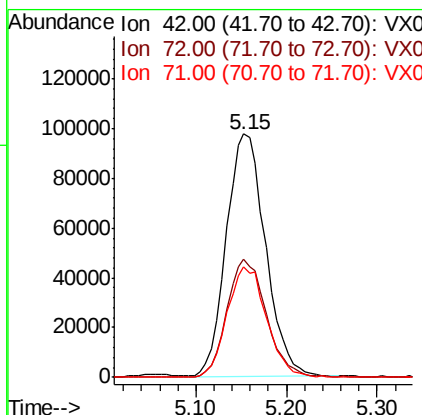
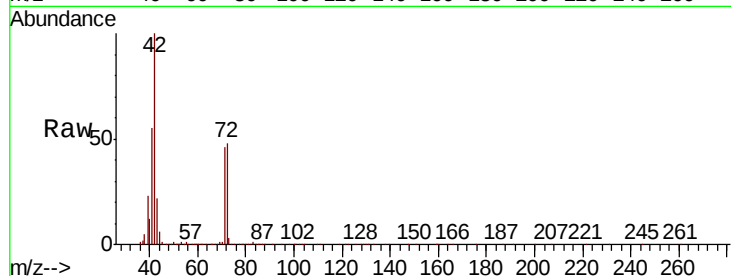
#29
Tetrahydrofuran
Concen: 106.261 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	37.8	56.8
71	45.8	35.2	52.8

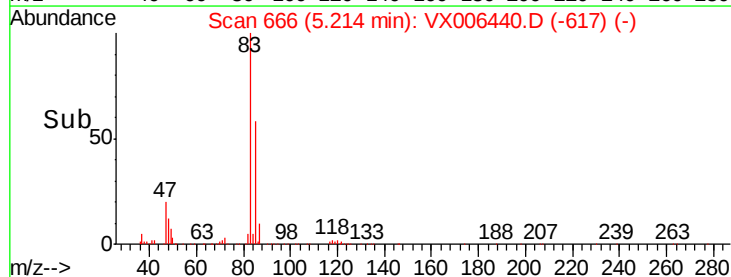
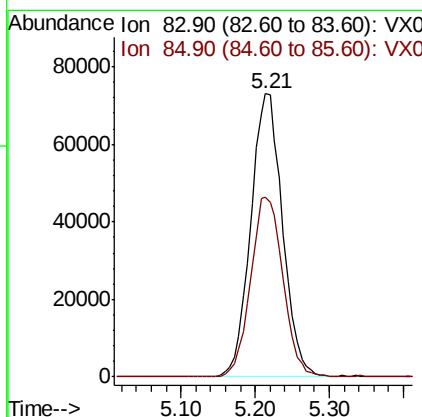
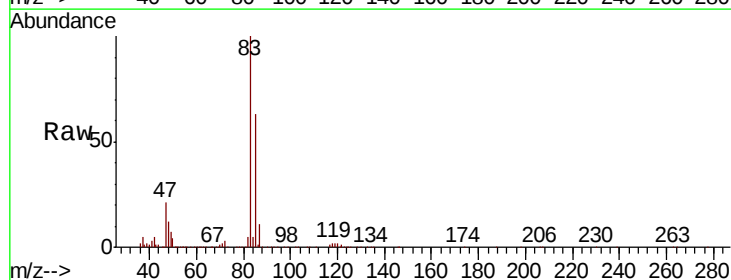
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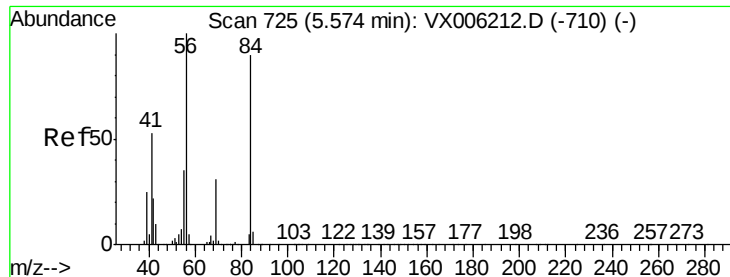
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#30
Chloroform
Concen: 22.422 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.3	75.5





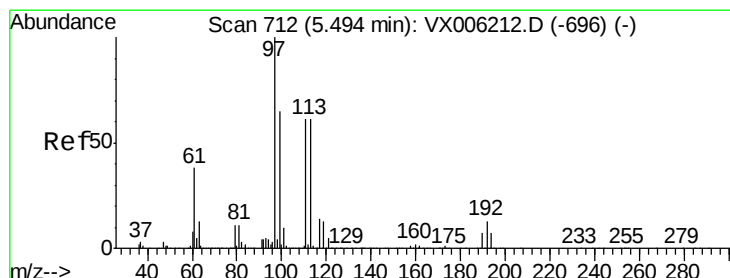
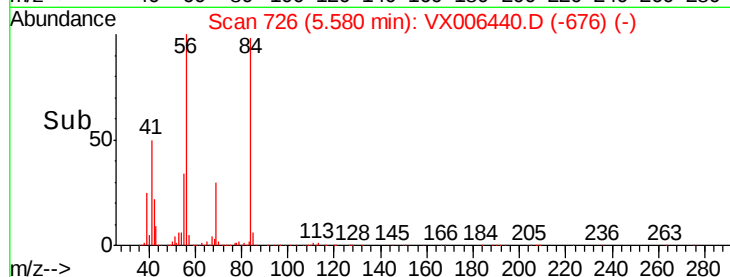
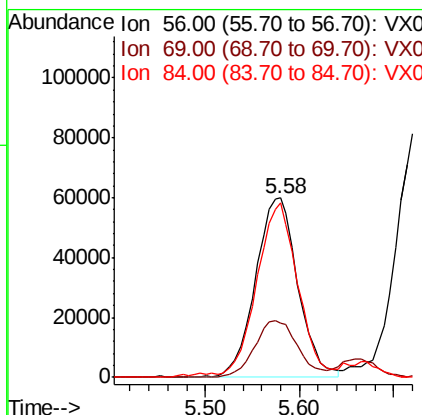
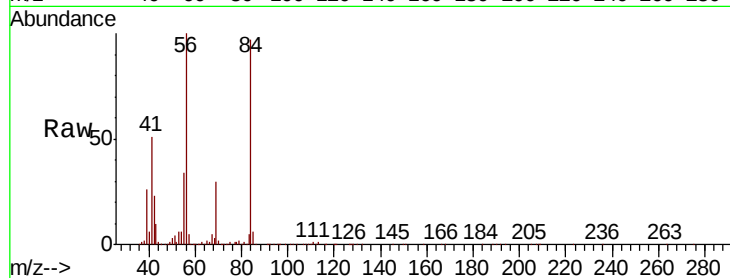
#31
Cyclohexane
Concen: 21.849 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.5	36.7
84	96.5	71.8	107.6

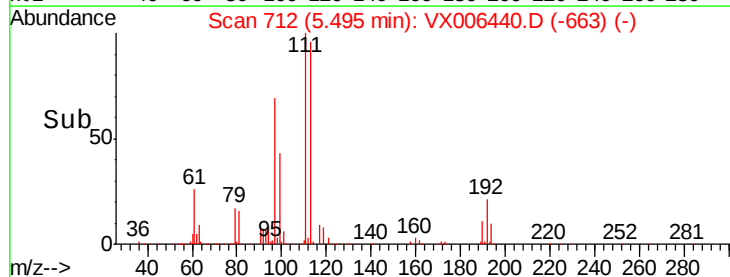
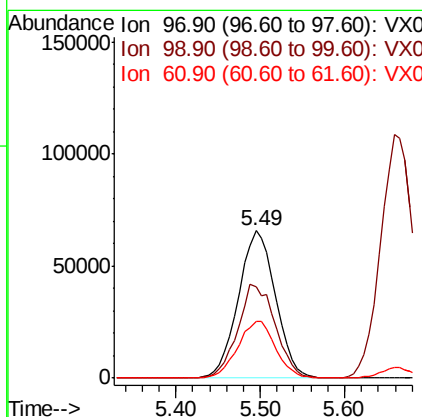
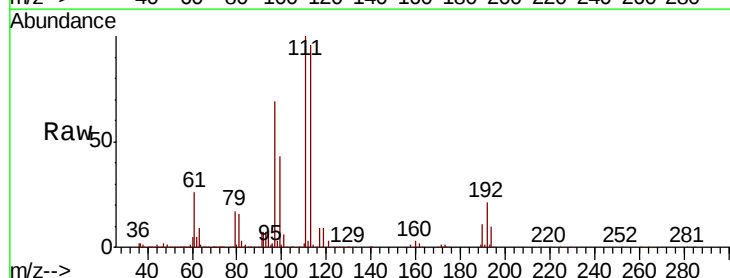
Manual Integrations
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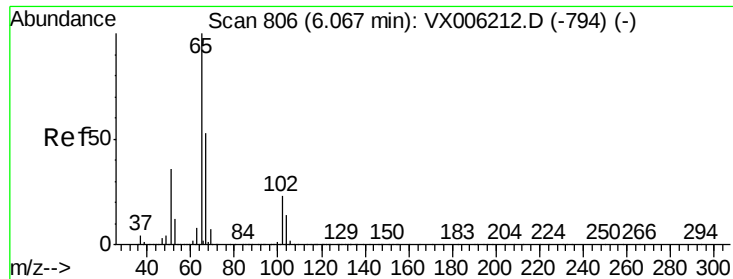
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#32
1,1,1-Trichloroethane
Concen: 21.213 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	38.6	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 52.274 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 65 Resp: 309980

Ion Ratio Lower Upper

65 100

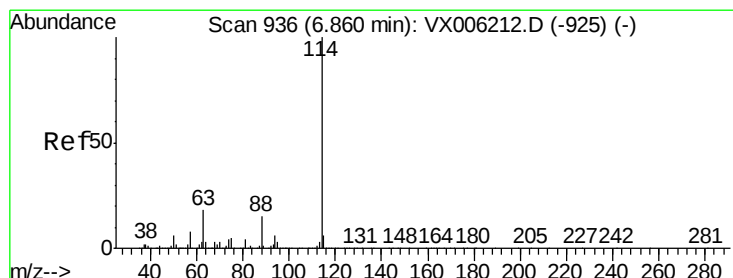
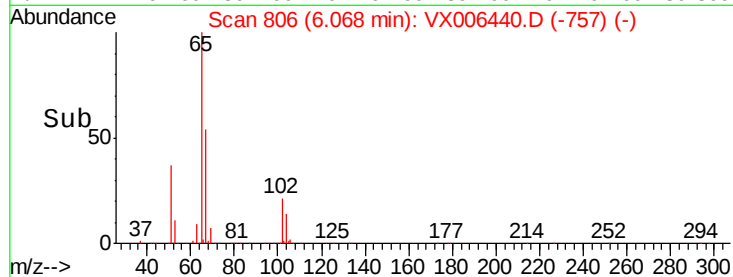
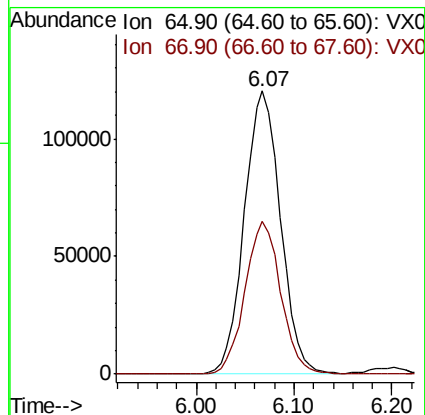
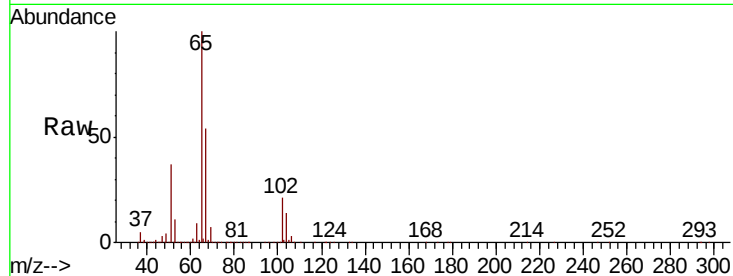
67 53.5 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

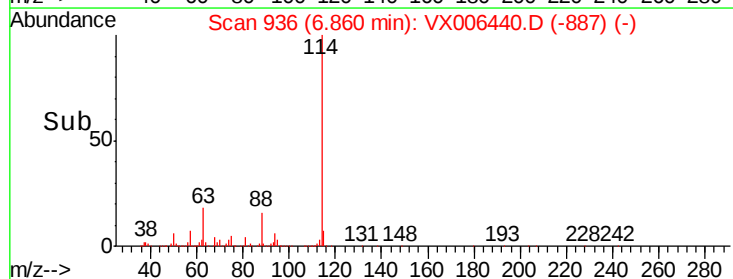
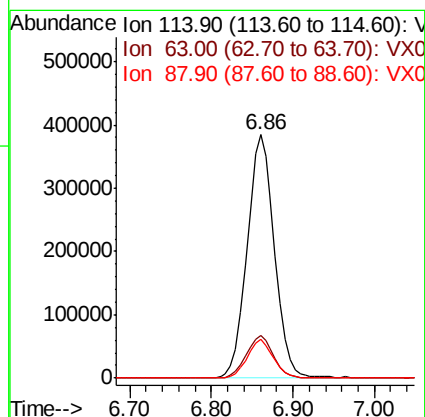
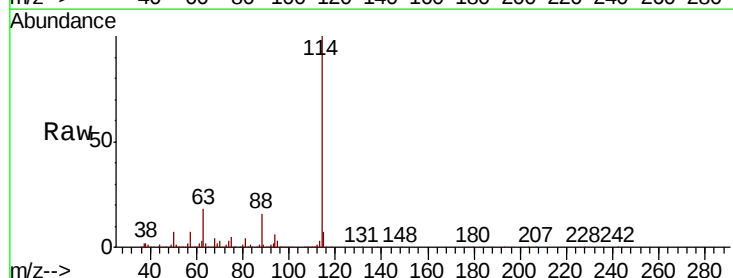
Tgt Ion: 114 Resp: 892259

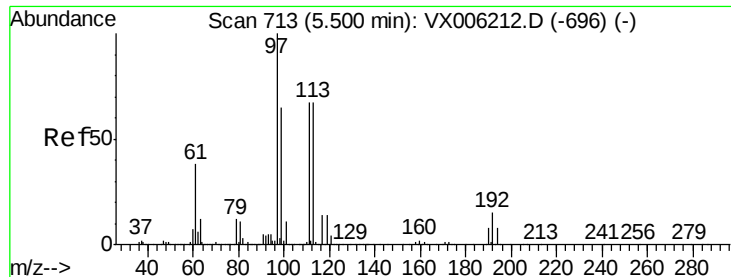
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

88 15.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.603 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

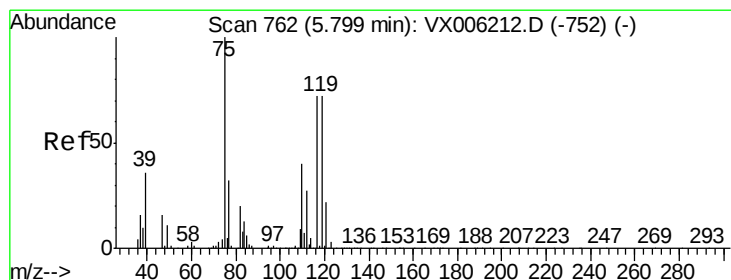
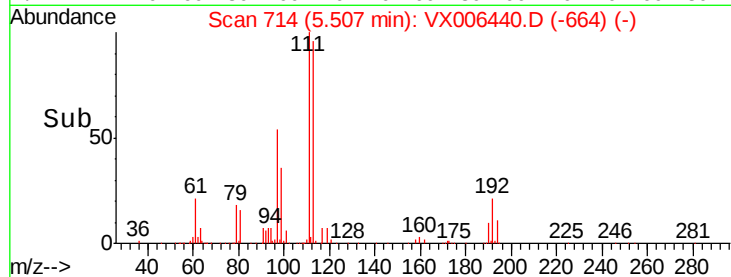
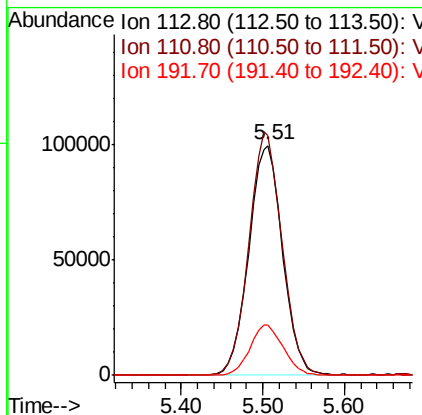
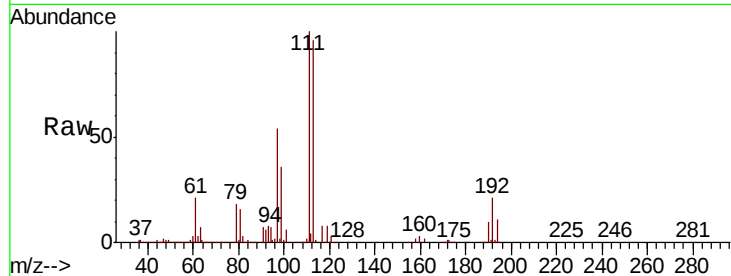
ClientSampleId :

VX1212WBS01

Tot Ion:	113	Resp:	286556
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.1	121.7
192	21.9	18.2	27.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.575 ug/l

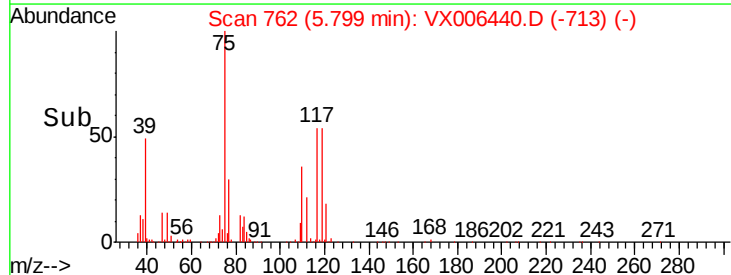
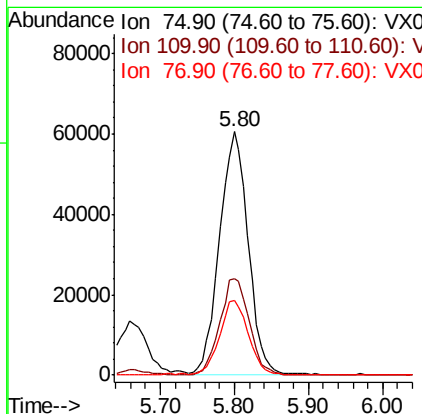
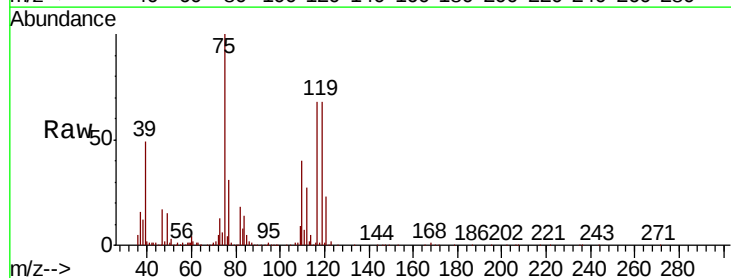
RT: 5.80 min Scan# 762

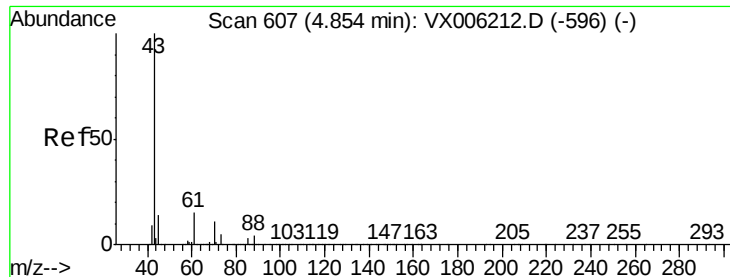
Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Tgt Ion:	75	Resp:	162110
Ion Ratio	Lower	Upper	
75	100		
110	40.6	20.4	61.3
77	30.3	24.9	37.3





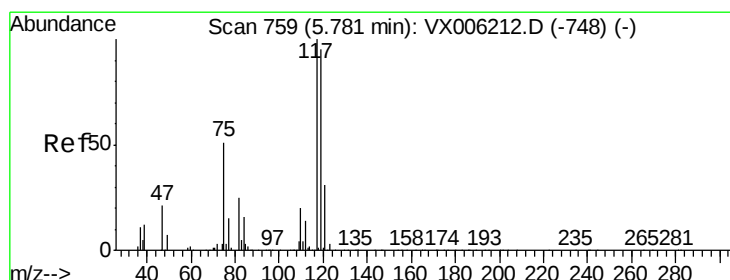
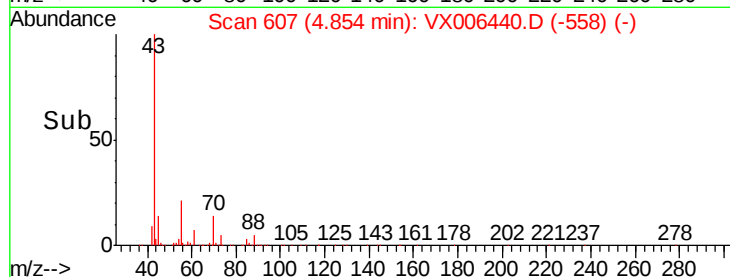
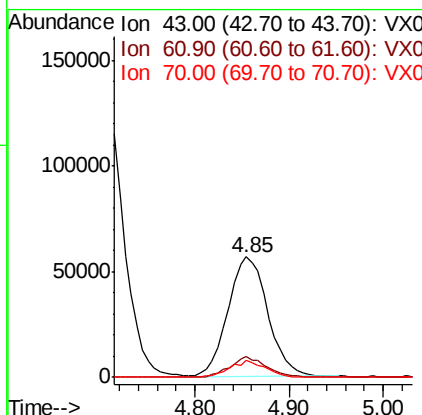
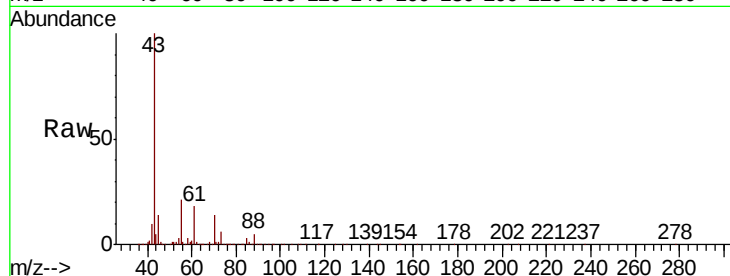
#37
Ethyl Acetate
Concen: 19.826 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion:	43	Resp:	166827
Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.5	17.3
70	12.9	9.0	13.6

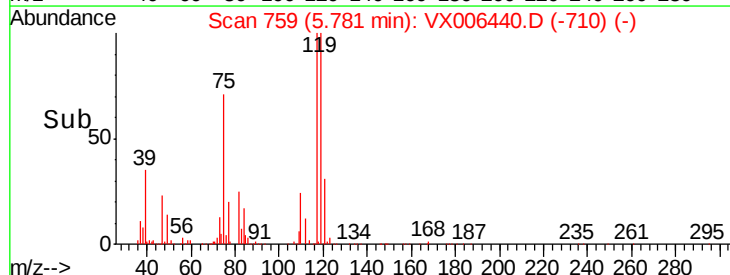
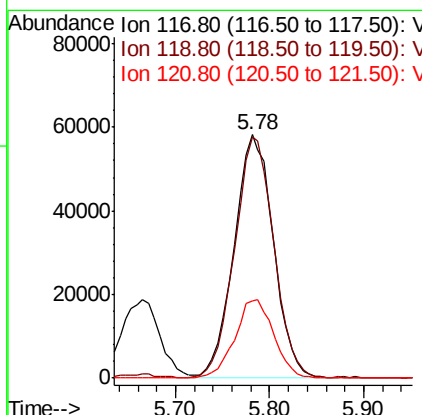
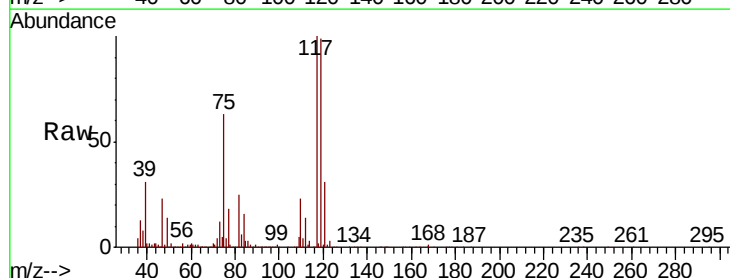
Manual Integrations
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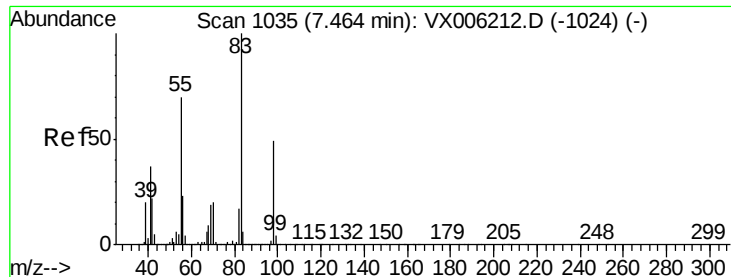
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#38
Carbon Tetrachloride
Concen: 19.069 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion:	117	Resp:	168554
Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.8	113.8
121	31.5	24.6	37.0





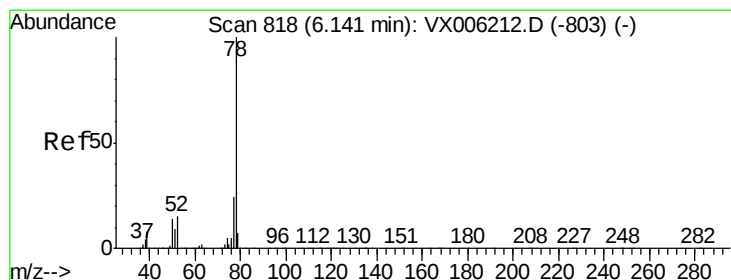
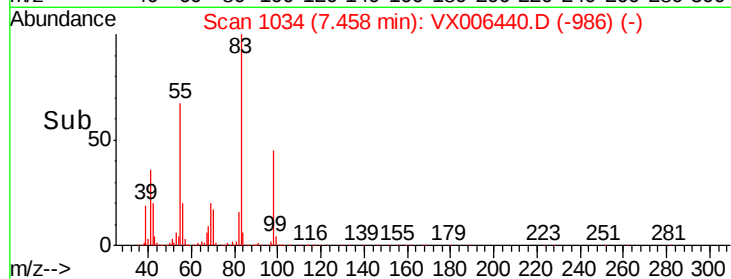
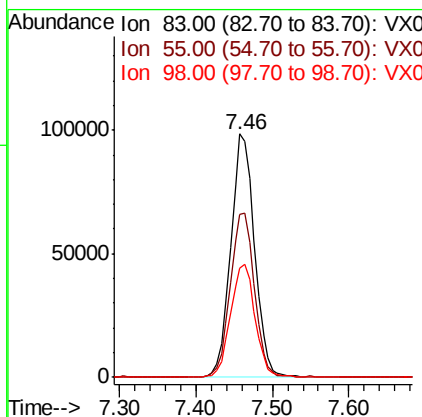
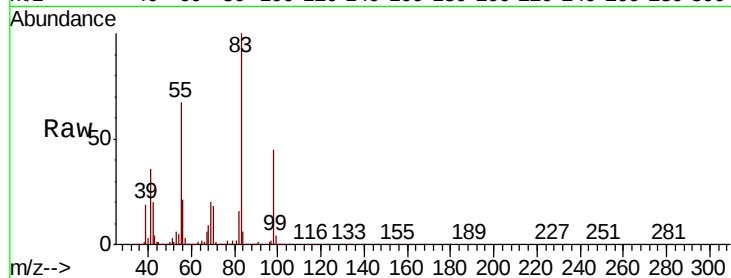
#39
Methvlcvclohexane
Concen: 21.740 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.7	56.4	84.6
98	44.6	39.0	58.6

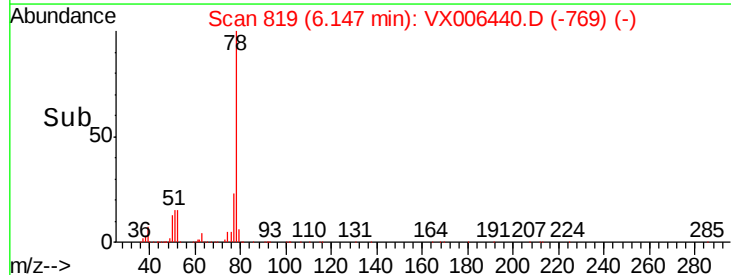
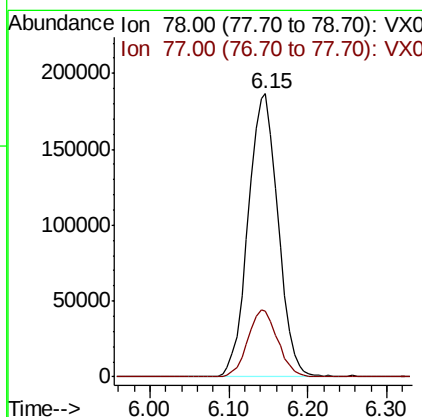
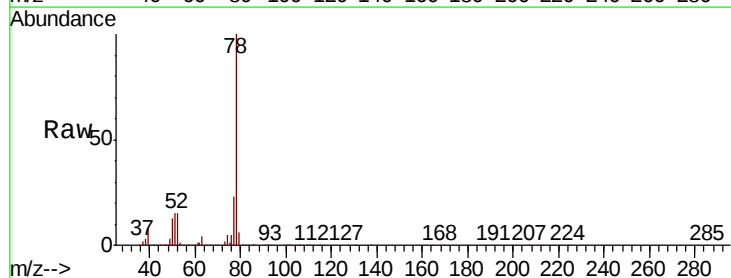
Manual Integrations
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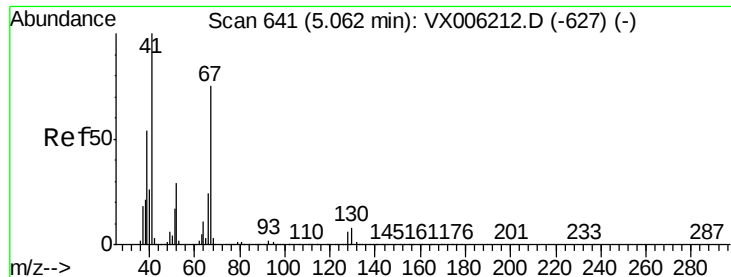
MMDadoda
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#40
Benzene
Concen: 21.860 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





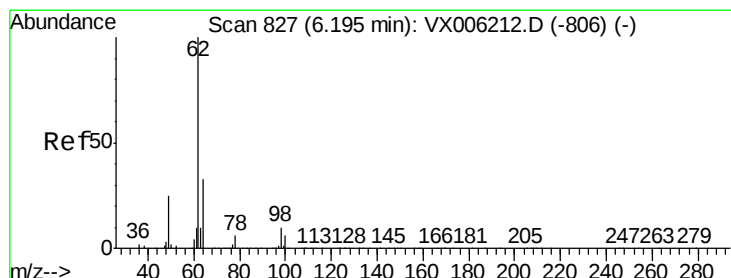
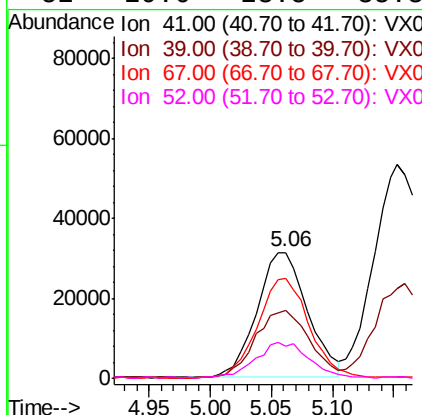
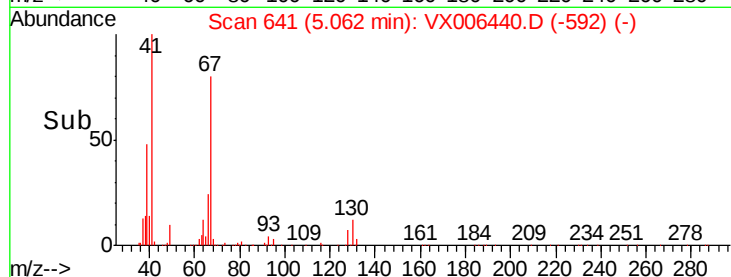
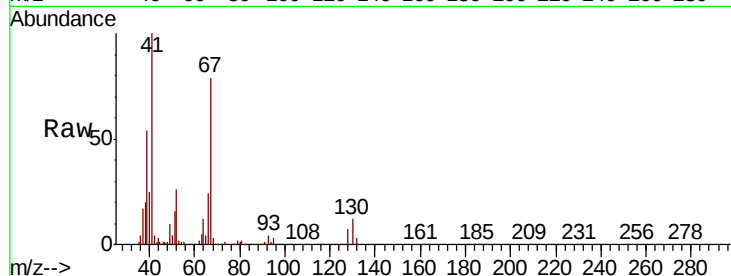
#41
Methacrylonitrile
Concen: 19.501 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		90292		
39	58.7	44.0	66.0		
67	81.5	61.4	92.0		
52	29.6	23.5	35.3		

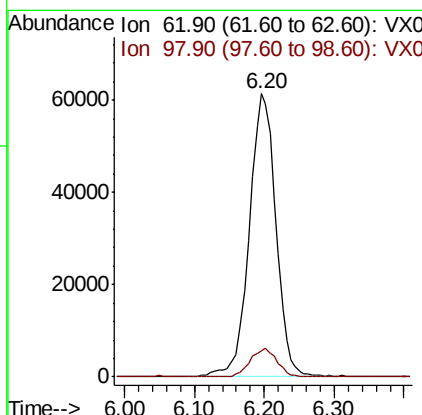
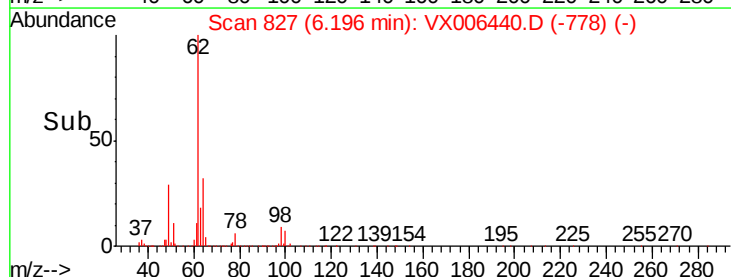
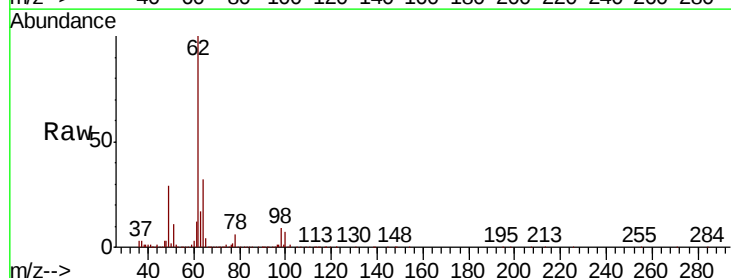
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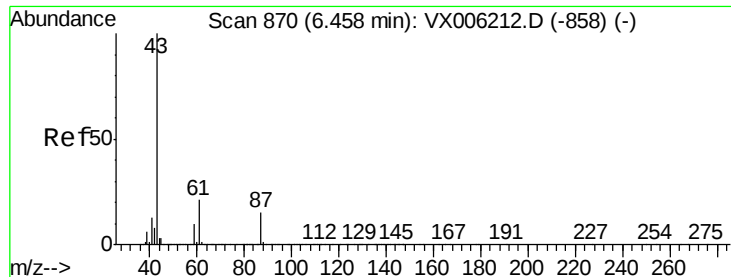
MMDadoda
12/13/2018 11:05:03 AM



#42
1,2-Dichloroethane
Concen: 22.033 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		162276		
98	10.2	0.0	20.2		





#43

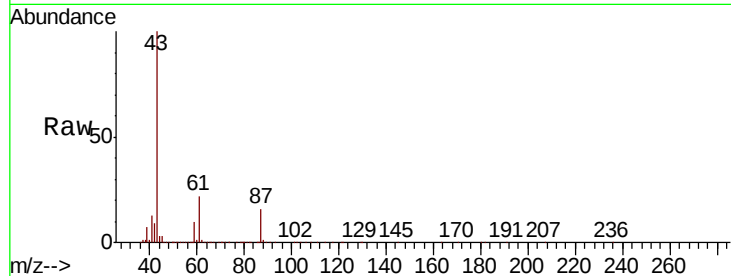
Isopropyl Acetate
 Concen: 19.333 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

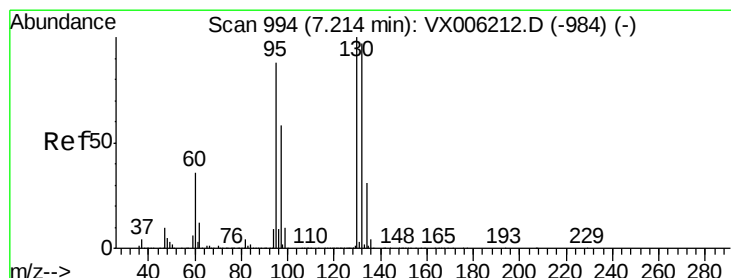
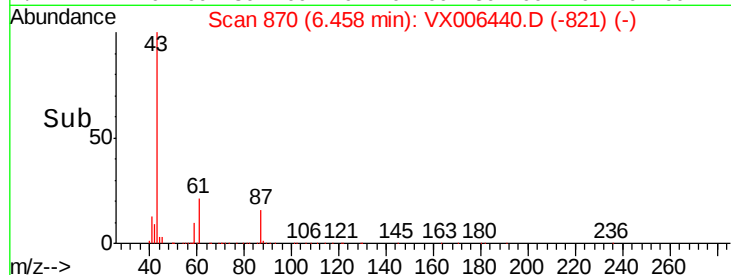
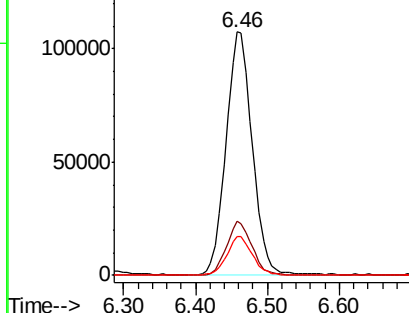
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.8	25.2
87	15.7	11.9	17.9

Manual Integrations
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MMDadoda
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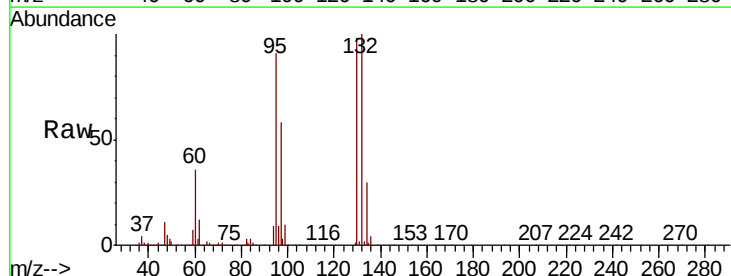
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



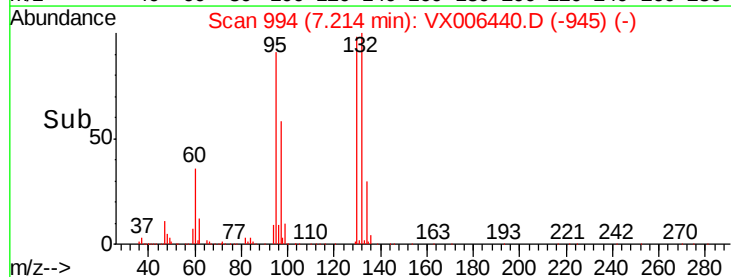
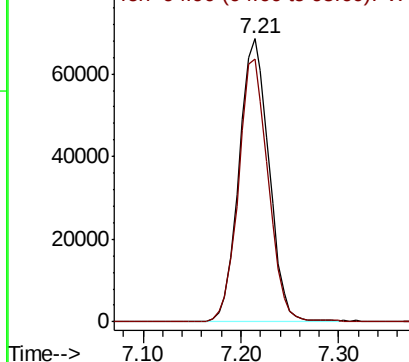
#44

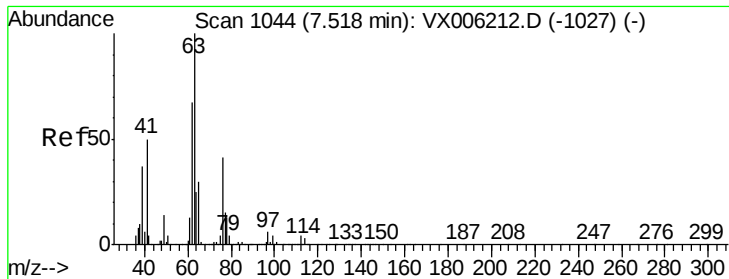
Trichloroethene
 Concen: 21.402 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	175.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





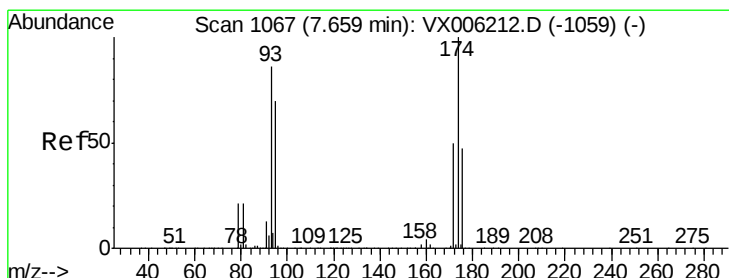
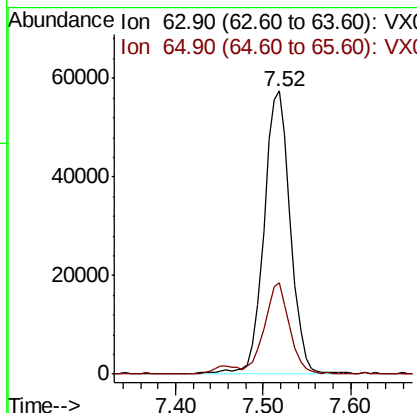
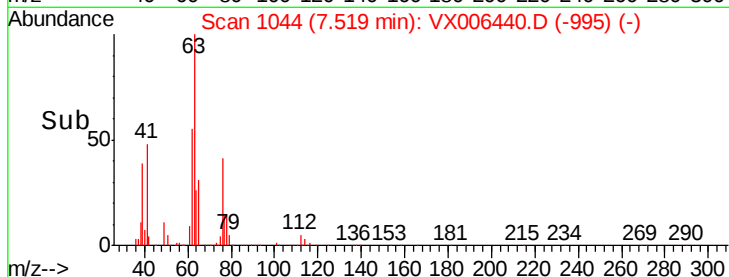
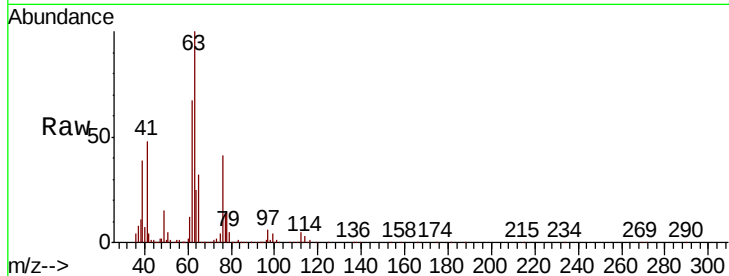
#45
 1,2-Dichloropropane
 Concen: 21.095 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.3	36.5

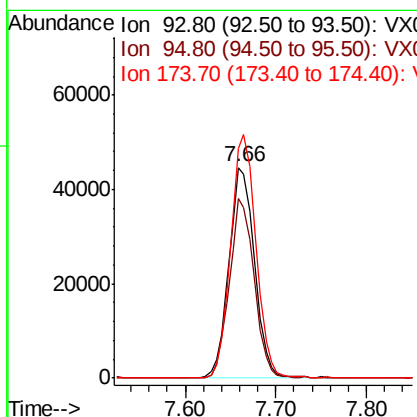
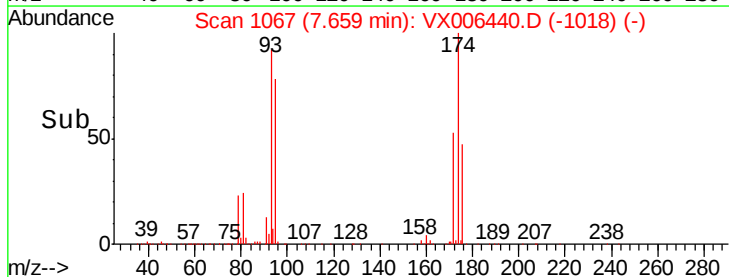
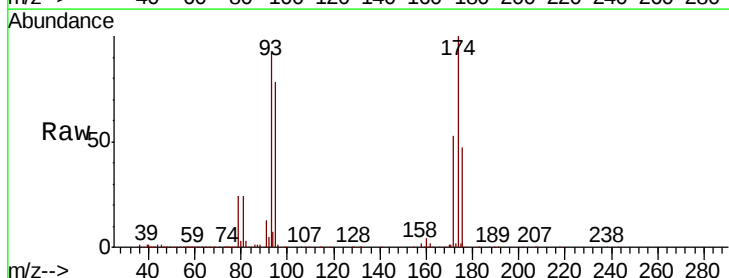
Manual Integrations
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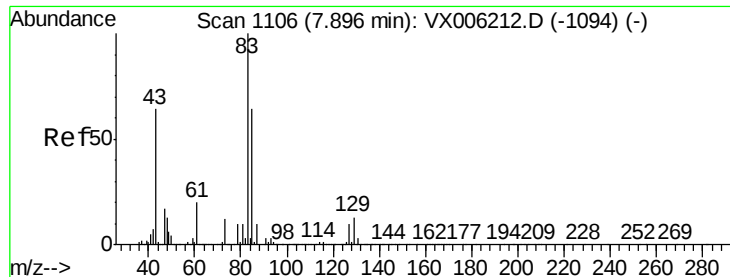
MMDadoda
 12/13/2018 11:05:03 AM



#46
 Dibromomethane
 Concen: 21.174 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.2	99.4
174	114.3	97.2	145.8





#47

Bromodichloromethane

Concen: 18.952 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

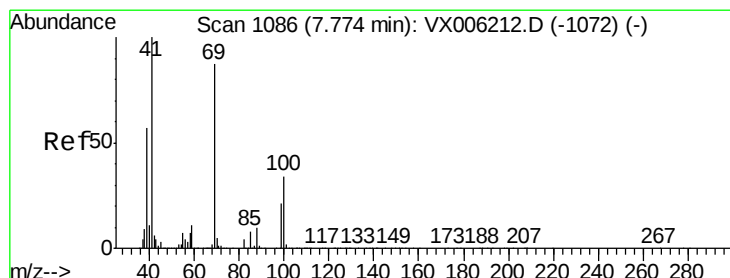
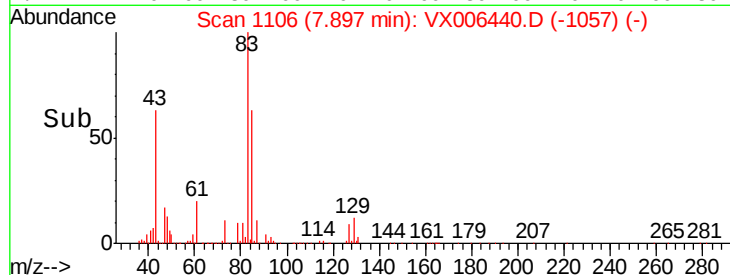
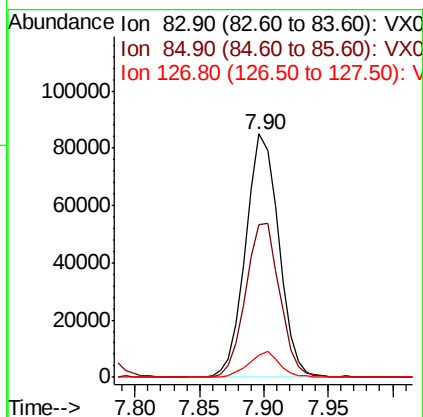
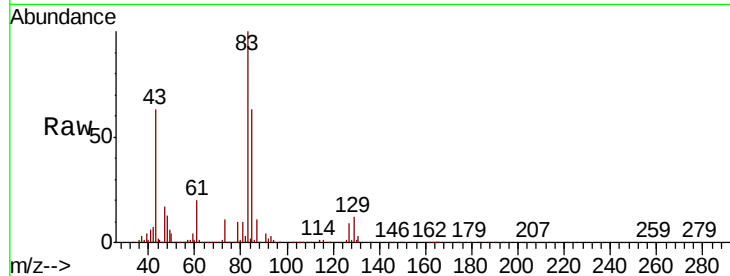
ClientSampleId :

VX1212WBS01

Tot Ion:	83	Resp:	151603
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.4	77.0
127	9.4	7.9	11.9

Manual Integrations
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12/13/2018 11:05:03 AM



#48

Methyl methacrylate

Concen: 19.332 ug/l

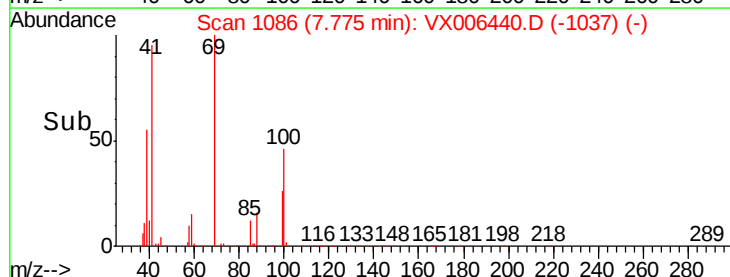
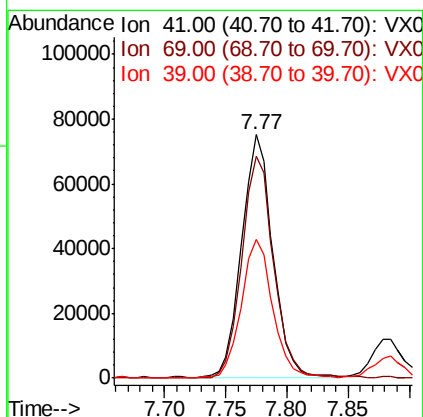
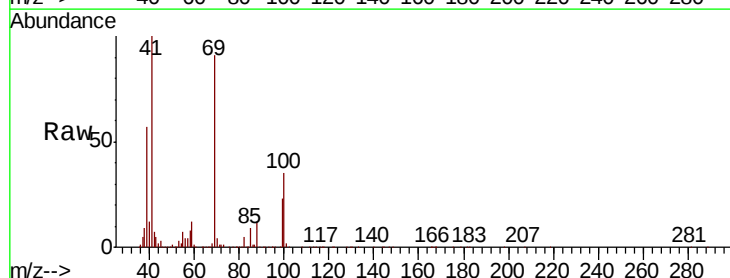
RT: 7.77 min Scan# 1086

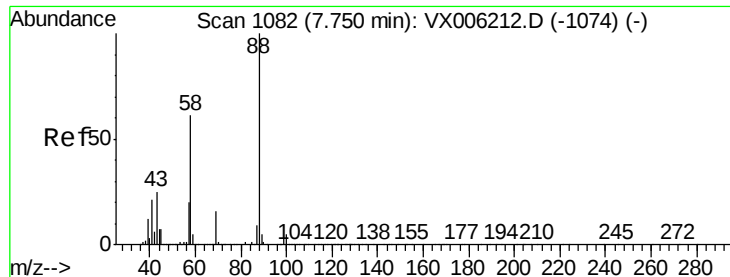
Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Tgt Ion:	41	Resp:	131944
Ion Ratio	Lower	Upper	
41	100		
69	94.5	70.3	105.5
39	57.1	45.3	67.9





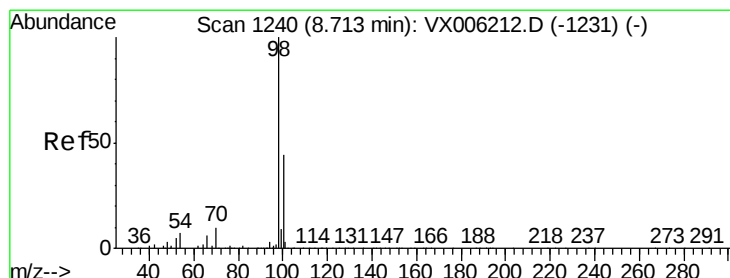
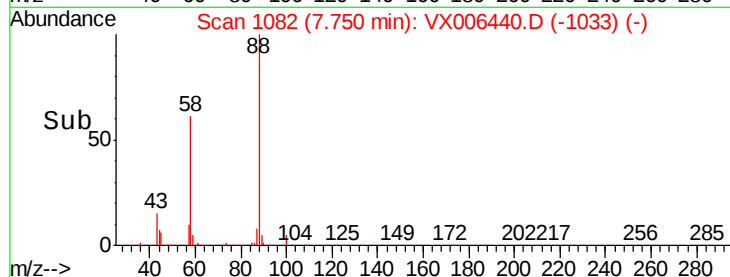
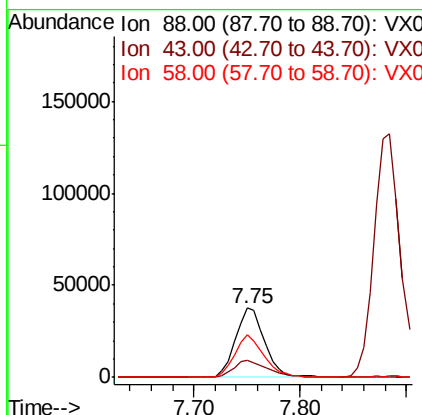
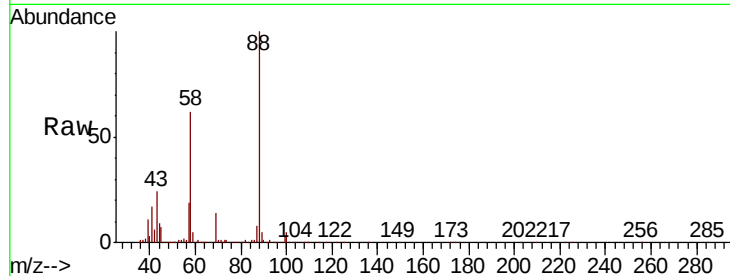
#49
1,4-Dioxane
Concen: 433.169 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.2	34.8
58	61.9	51.4	77.0

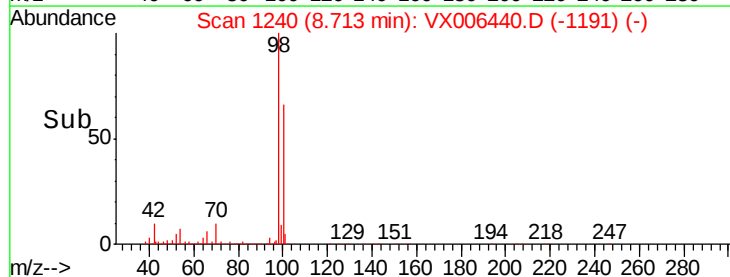
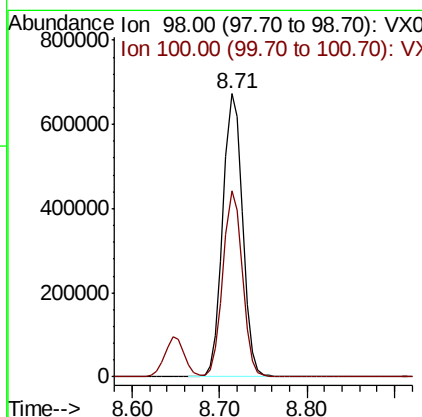
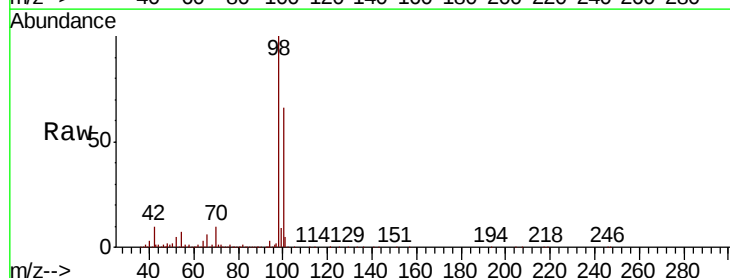
Manual Integrations
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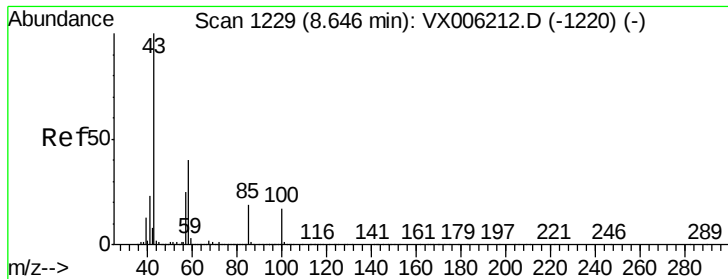
MMDadoda
12/13/2018 11:05:03 AM



#50
Toluene-d8
Concen: 50.083 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 103.328 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 43 Resp: 843884

Ion Ratio Lower Upper

43 100

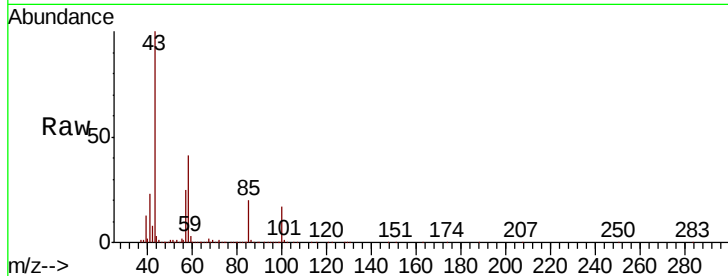
58 40.8 31.3 46.9

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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

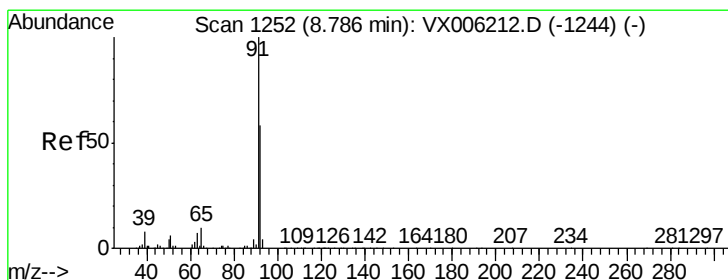
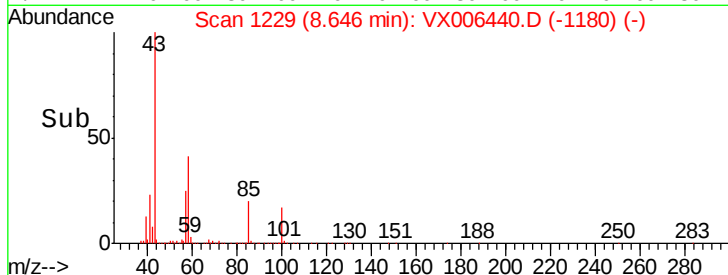
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 22.008 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006440.D

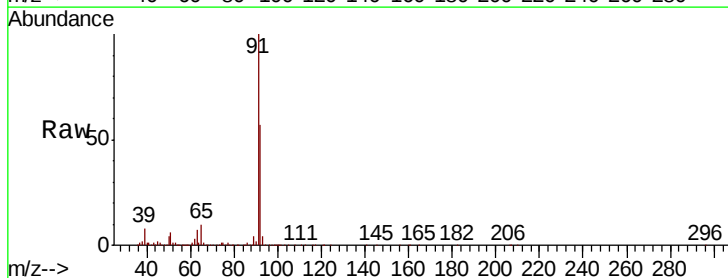
Acq: 12 Dec 2018 13:06

Tgt Ion: 92 Resp: 325843

Ion Ratio Lower Upper

92 100

91 172.1 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

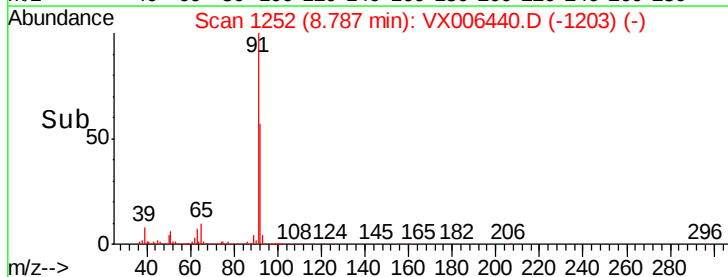
200000

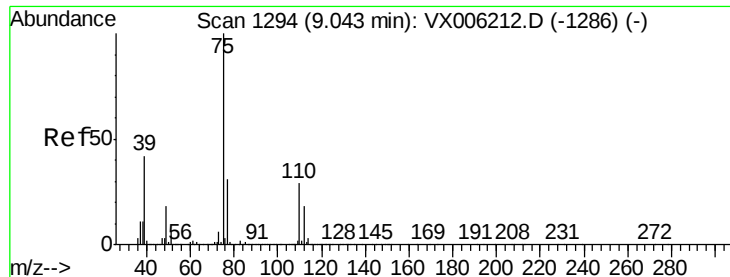
100000

0

8.70 8.75 8.80 8.85

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.051 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 75 Resp: 168870

Ion Ratio Lower Upper

75 100

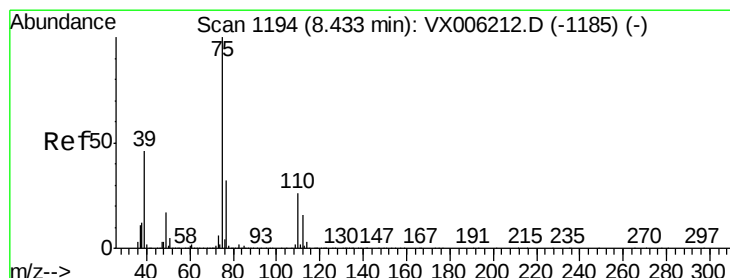
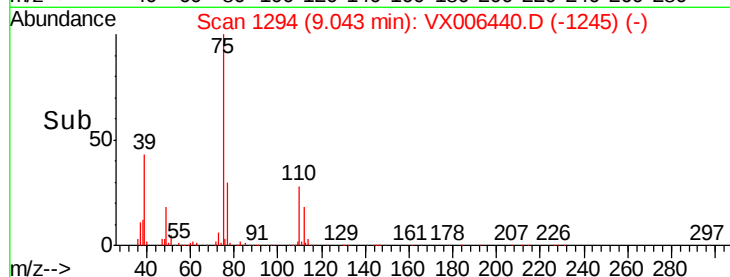
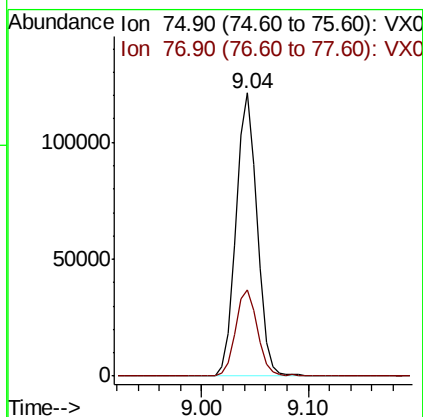
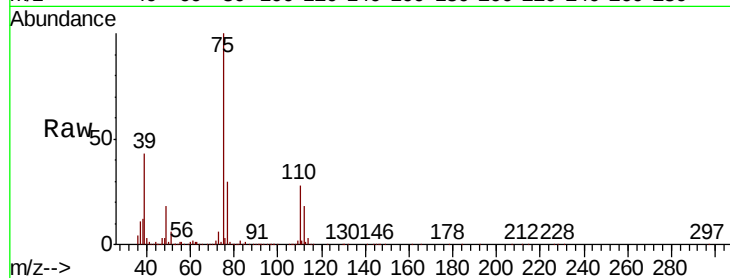
77 30.3 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 19.256 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

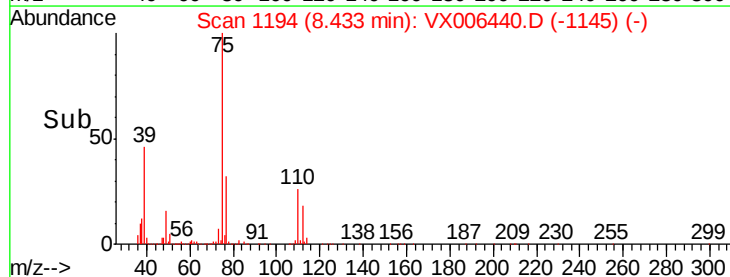
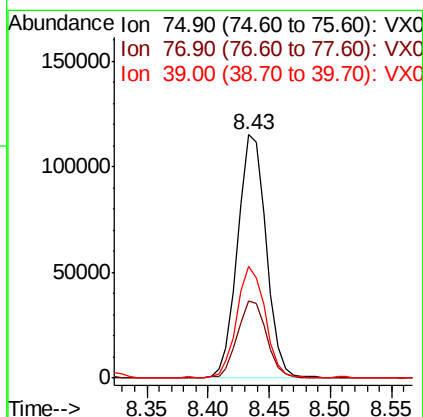
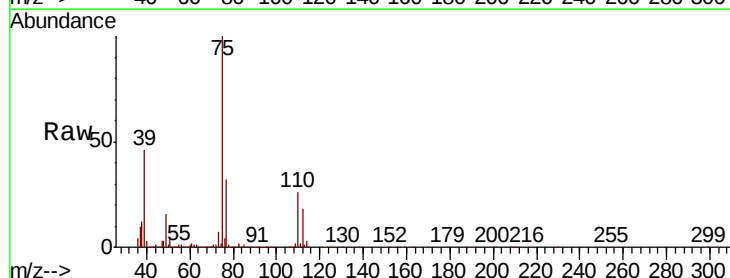
Tgt Ion: 75 Resp: 187059

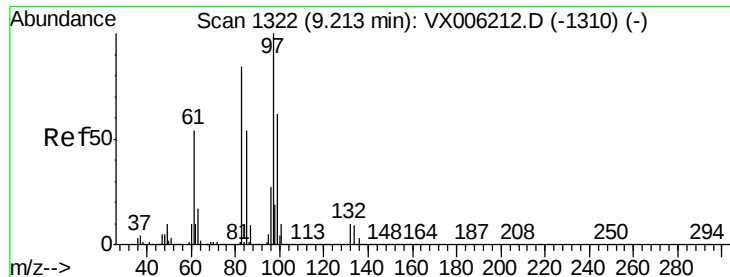
Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

39 45.3 36.5 54.7





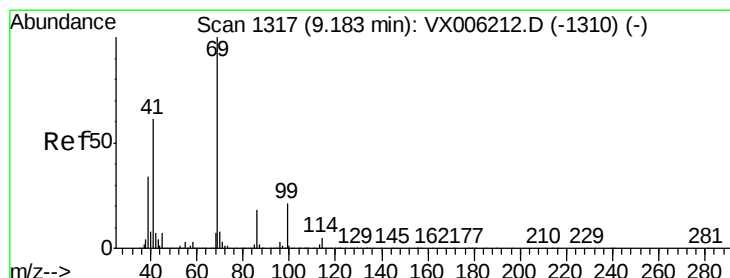
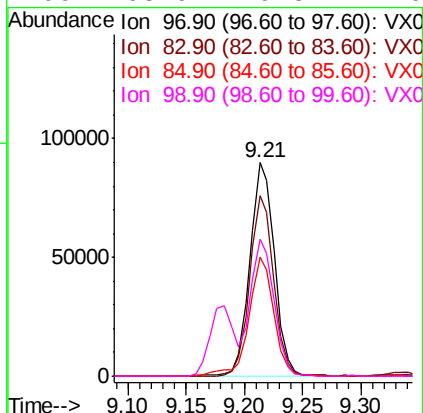
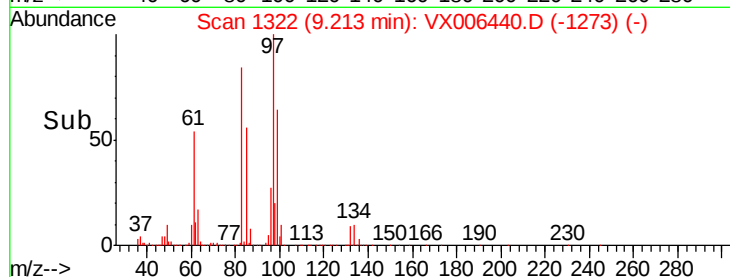
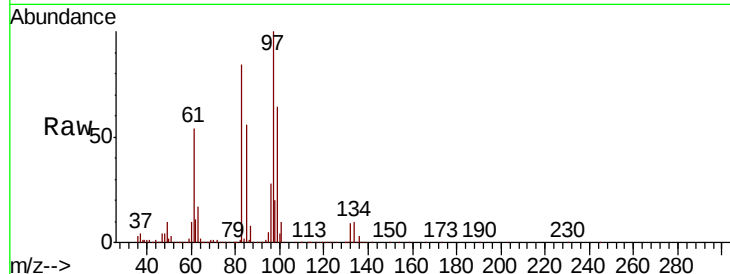
#55
 1,1,2-Trichloroethane
 Concen: 22.184 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		133431		
83	84.3	67.1	100.7		
85	55.5	43.2	64.8		
99	63.9	49.8	74.6		

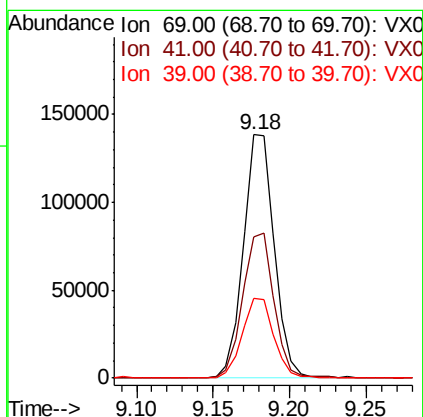
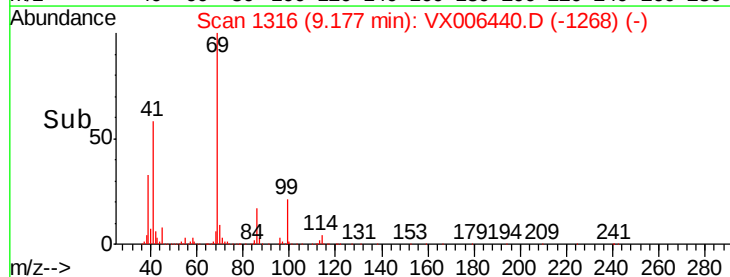
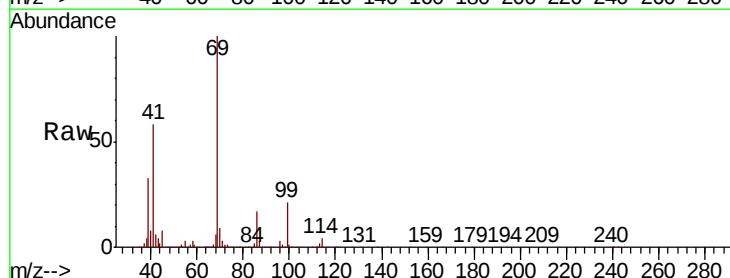
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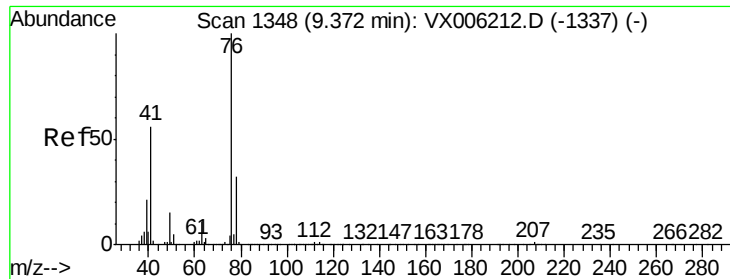
MMDadoda
 12/13/2018 11:05:03 AM



#56
 Ethyl methacrylate
 Concen: 20.640 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		194082		
41	60.5	50.6	76.0		
39	33.2	27.6	41.4		





#57

1,3-Dichloropropane

Concen: 21.936 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 76 Resp: 208634

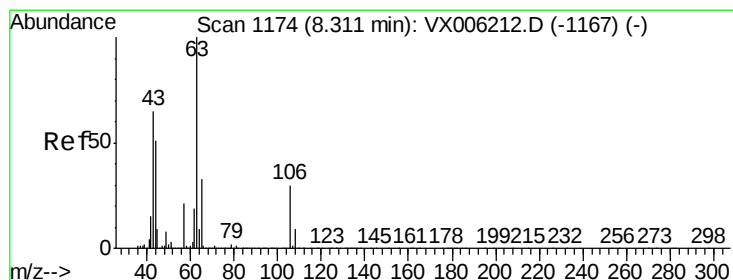
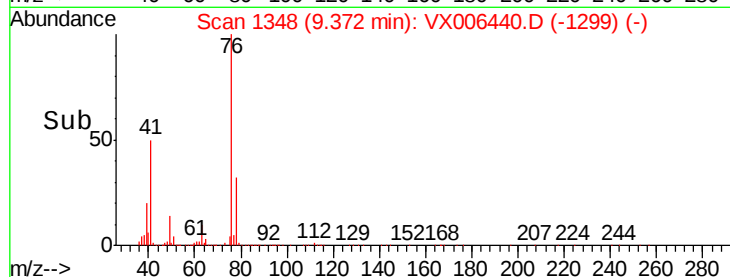
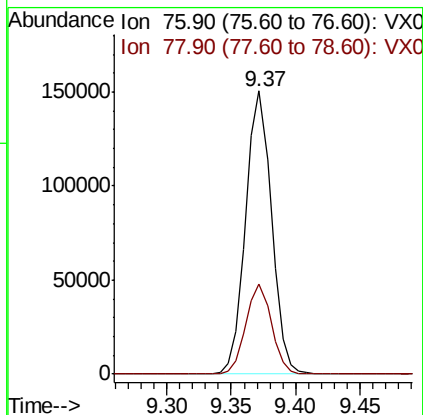
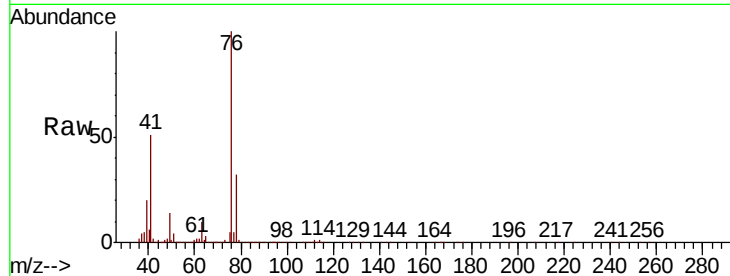
Ion Ratio Lower Upper

76 100

78 31.8 26.1 39.1

Manual Integrations
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MMDadoda
12/13/2018 11:05:03 AM



#58

2-Chloroethyl Vinyl ether

Concen: 93.251 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006440.D

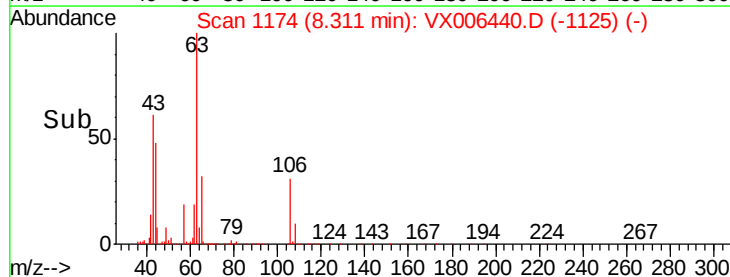
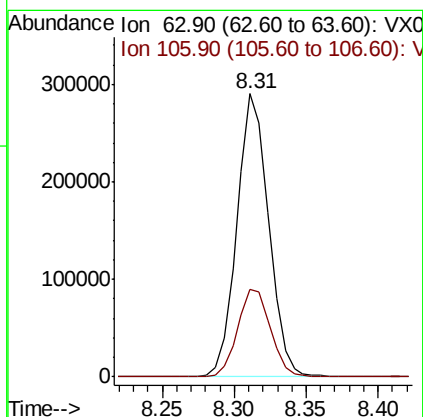
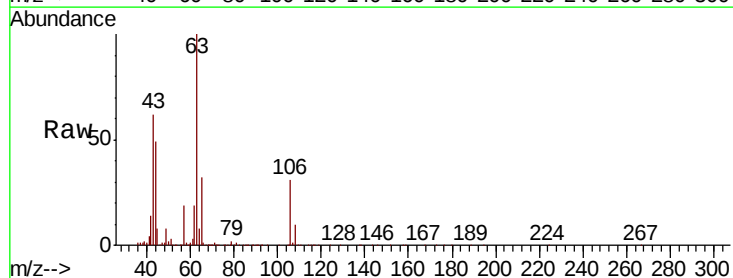
Acq: 12 Dec 2018 13:06

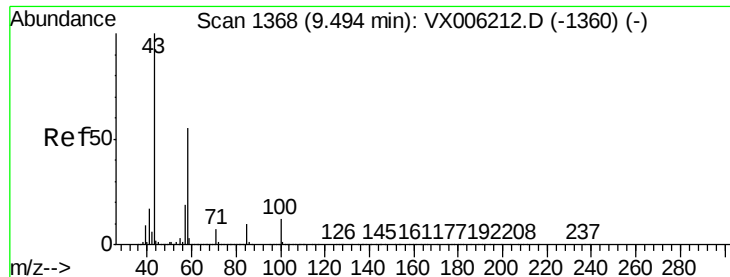
Tgt Ion: 63 Resp: 444960

Ion Ratio Lower Upper

63 100

106 32.2 24.9 37.3





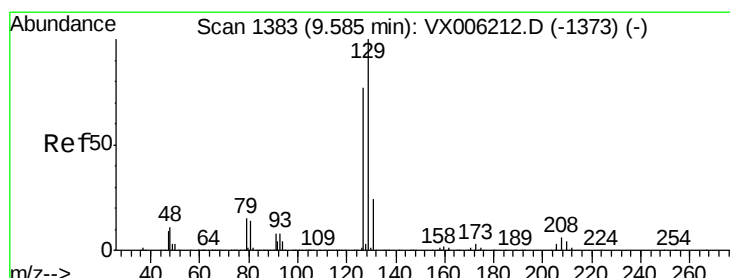
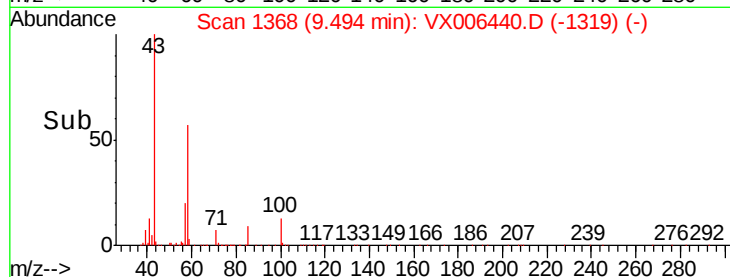
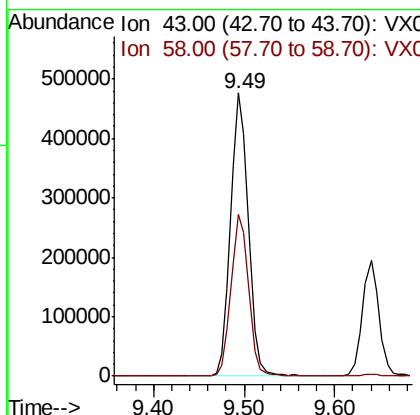
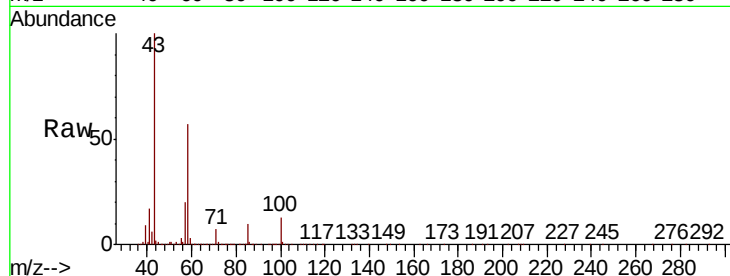
#59
2-Hexanone
Concen: 103.822 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion: 43 Resp: 647813
Ion Ratio Lower Upper
43 100
58 56.5 27.7 83.1

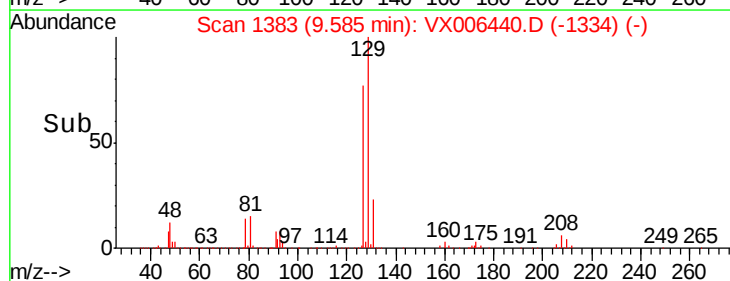
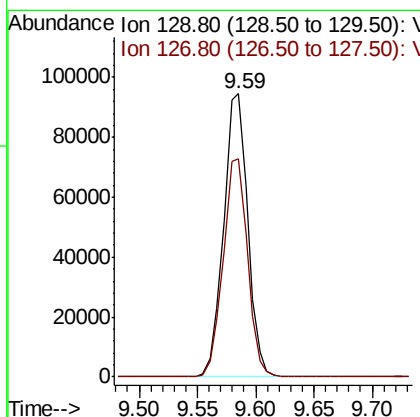
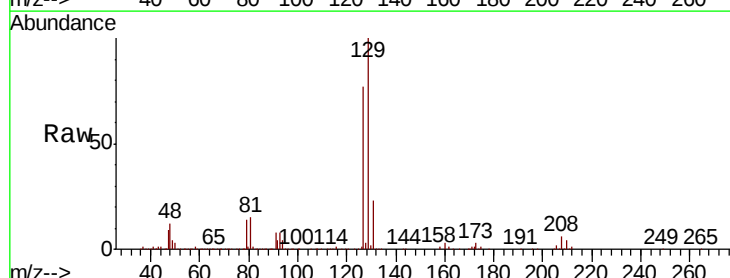
Manual Integrations
APPROVED

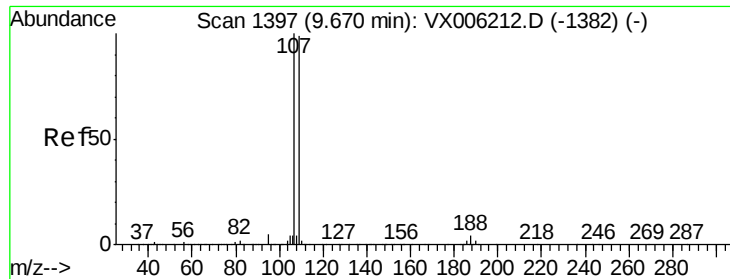
MMDadoda
12/13/2018 11:05:03 AM



#60
Dibromochloromethane
Concen: 18.318 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion: 129 Resp: 135864
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.370 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion:107 Resp: 143724

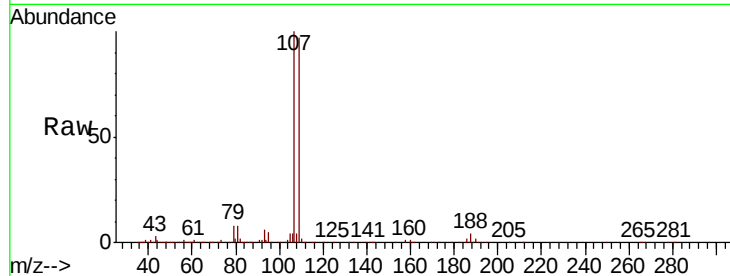
Ion Ratio Lower Upper

107 100

109 95.8 76.3 114.5

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:03 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

60000

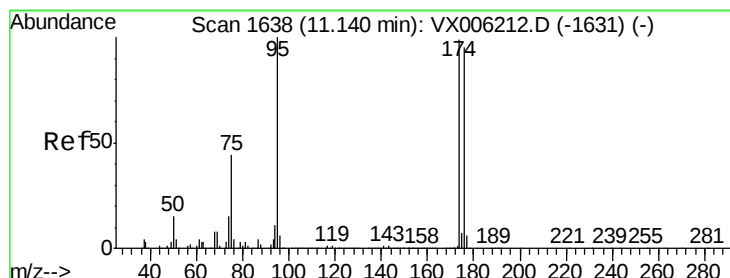
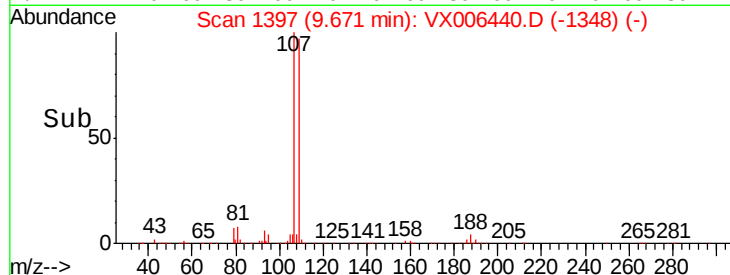
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 50.840 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

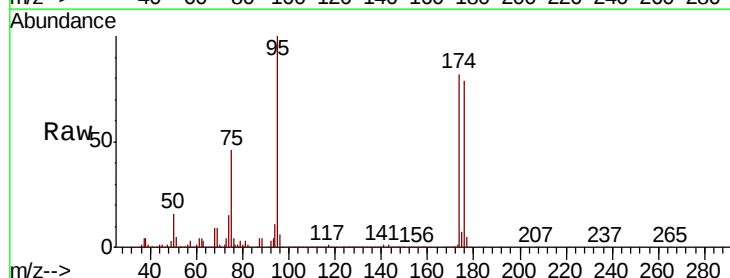
Tgt Ion: 95 Resp: 402573

Ion Ratio Lower Upper

95 100

174 89.4 0.0 187.0

176 86.9 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

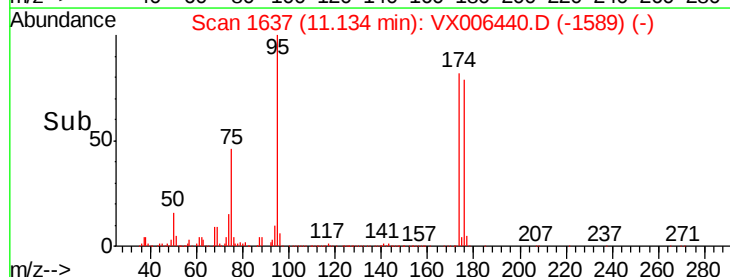
200000

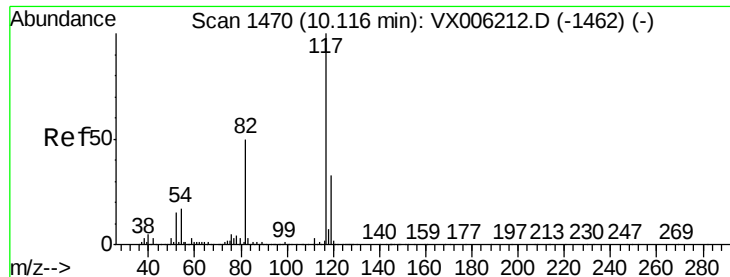
100000

0

Time-->

11.10 11.20





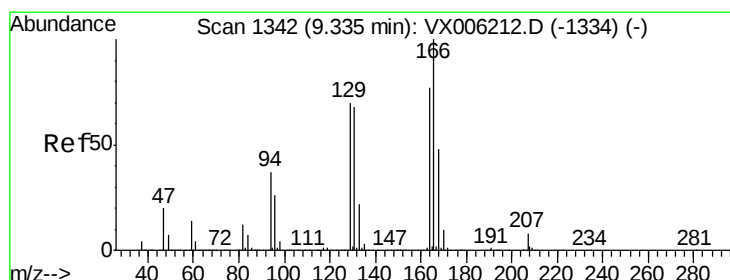
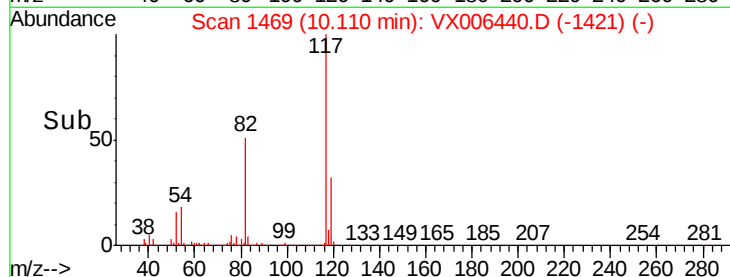
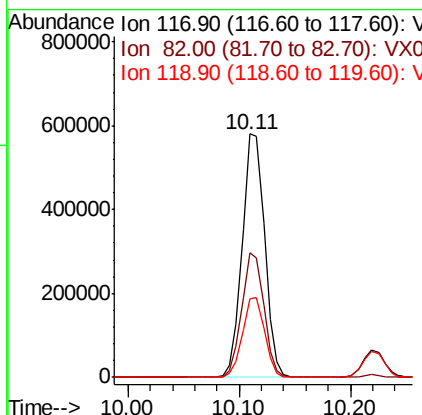
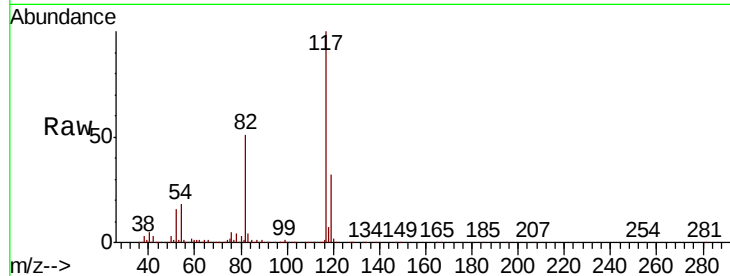
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	39.6	59.4
119	32.4	26.3	39.5

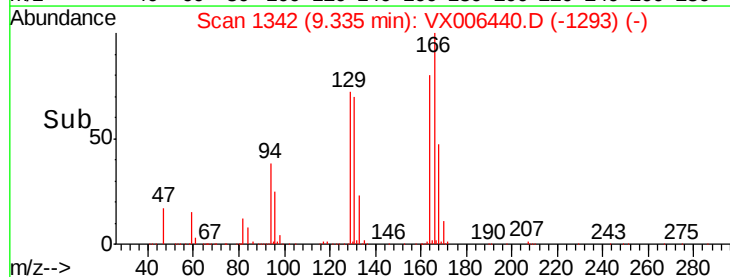
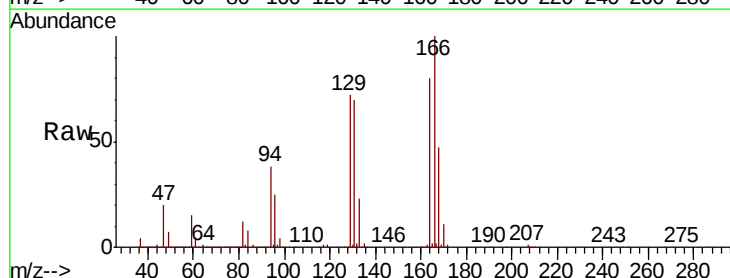
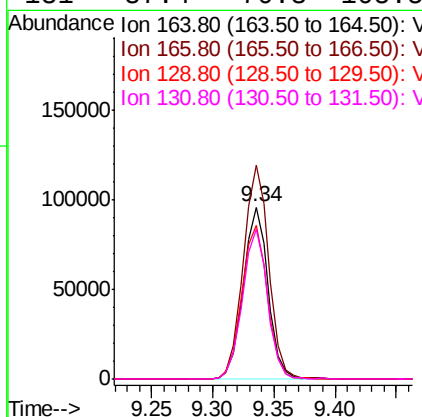
Manual Integrations
APPROVED

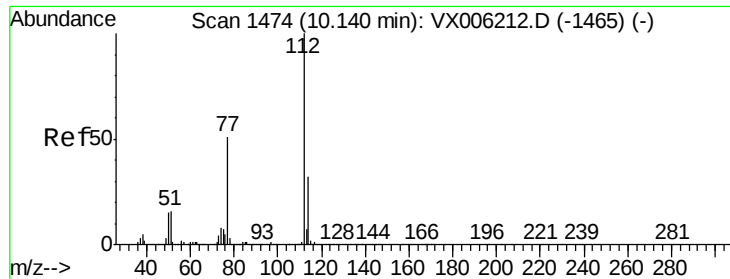
MMDadoda
12/13/2018 11:05:03 AM



#64
Tetrachloroethene
Concen: 21.958 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	104.2	156.2
129	89.6	72.6	108.8
131	87.4	70.3	105.5





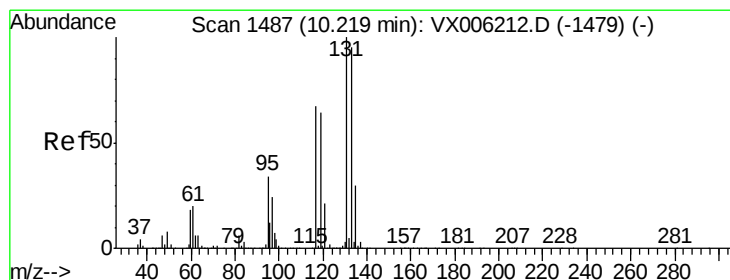
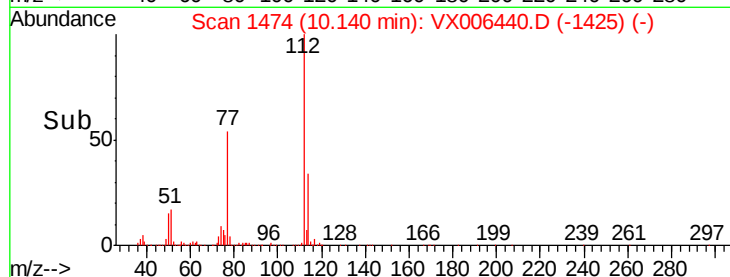
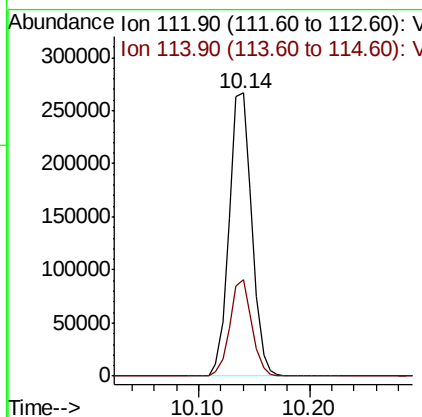
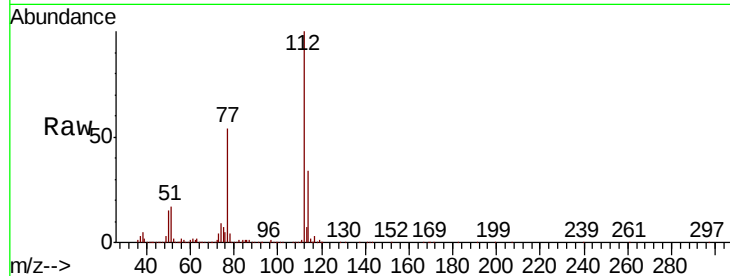
#65
Chlorobenzene
Concen: 21.685 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.2	25.4	38.2

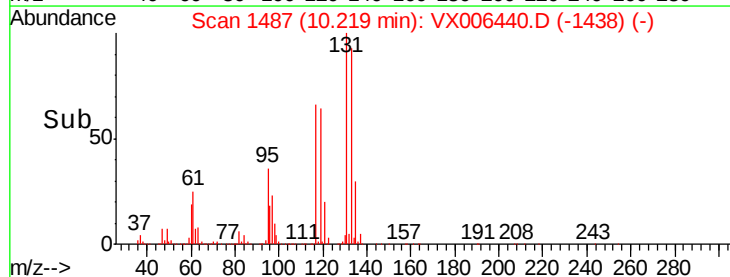
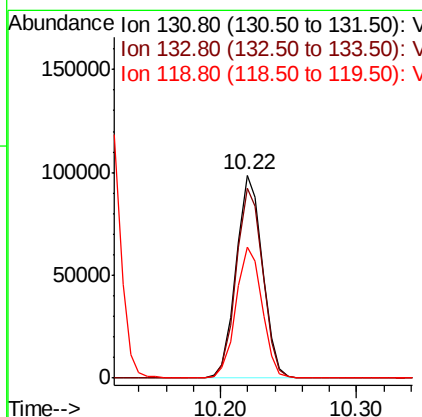
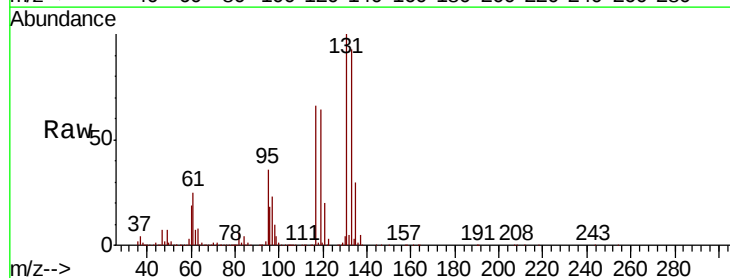
Manual Integrations
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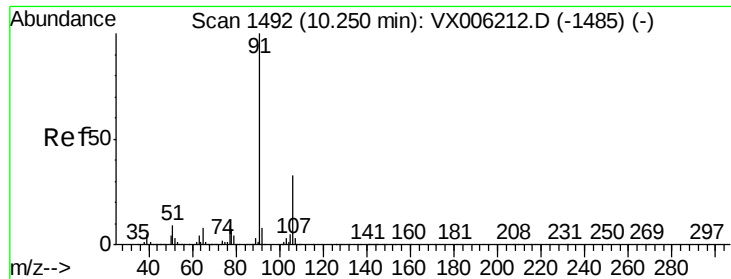
MMDadoda
12/13/2018 11:05:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.861 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.1	144.4
119	64.0	32.1	96.3





#67

Ethyl Benzene

Concen: 21.617 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 91 Resp: 621603

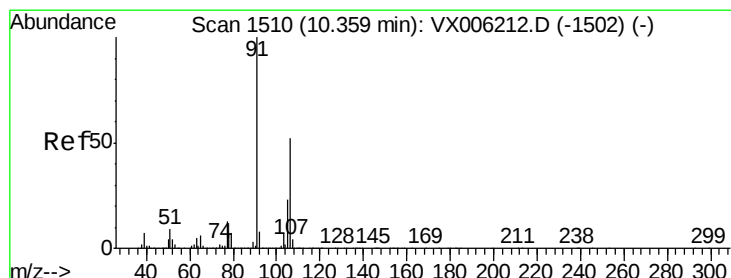
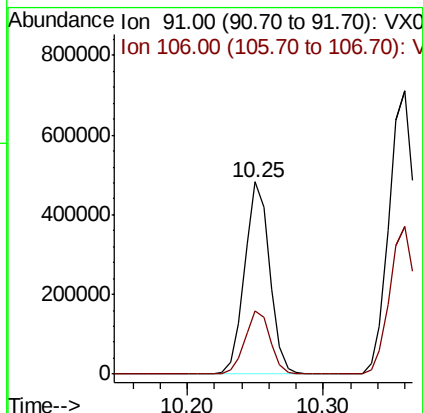
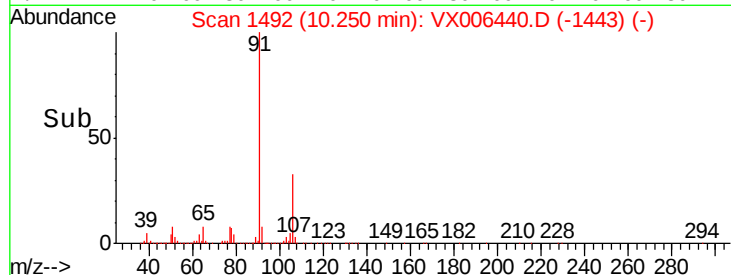
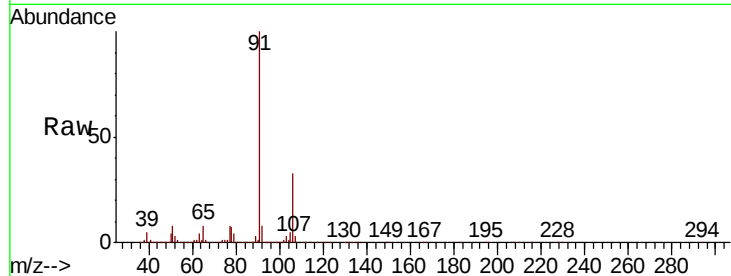
Ion Ratio Lower Upper

91 100

106 32.8 26.5 39.7

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:03 AM



#68

m/p-Xylenes

Concen: 43.189 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006440.D

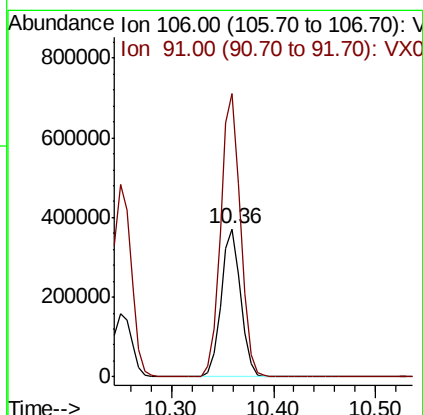
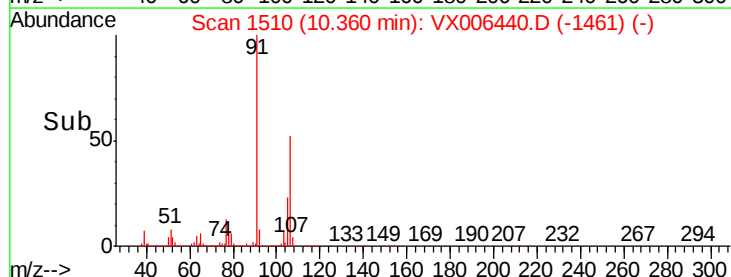
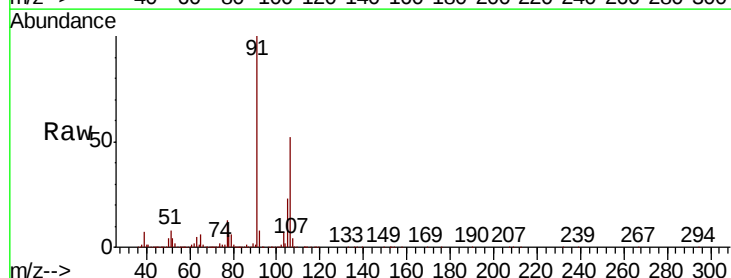
Acq: 12 Dec 2018 13:06

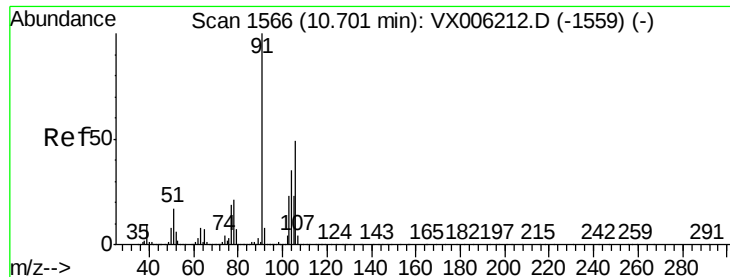
Tgt Ion: 106 Resp: 497483

Ion Ratio Lower Upper

106 100

91 193.2 155.2 232.8





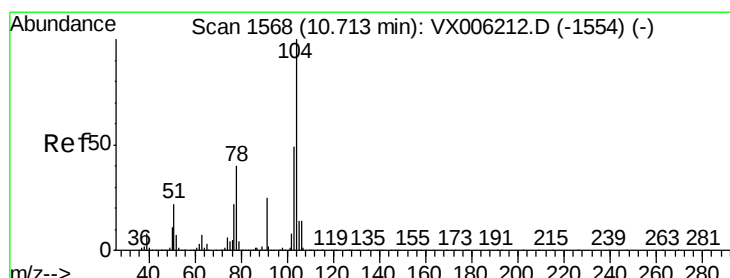
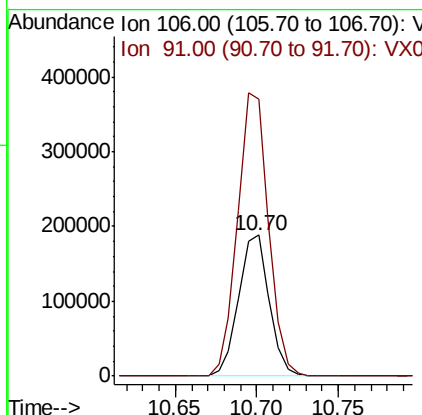
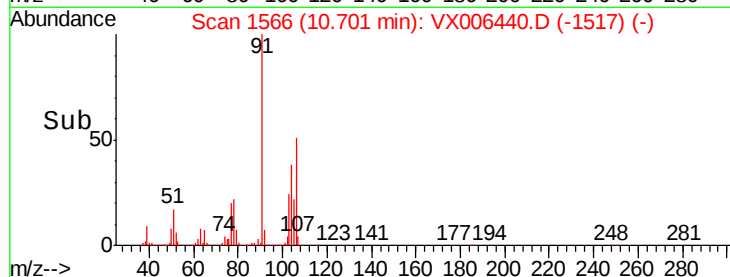
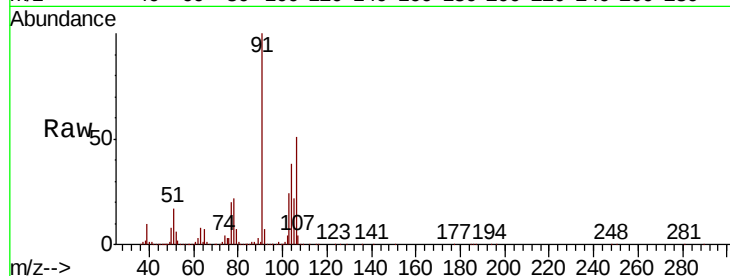
#69
o-Xylene
Concen: 21.674 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.8	101.8	305.6

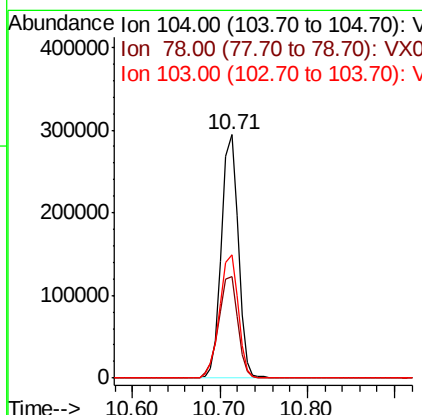
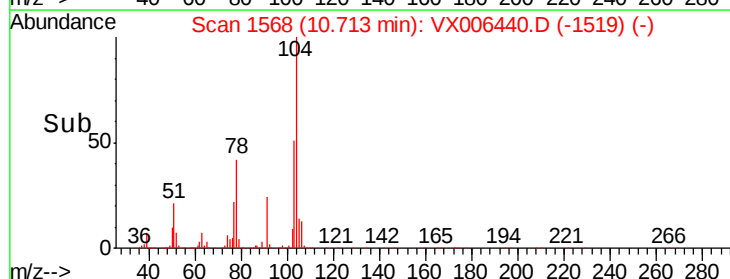
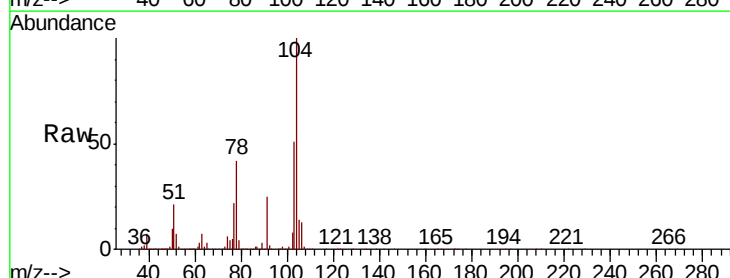
Manual Integrations
APPROVED

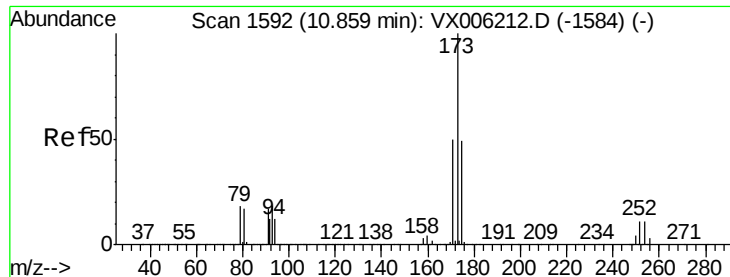
MMDadoda
12/13/2018 11:05:03 AM



#70
Styrene
Concen: 21.307 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.2	55.8
103	55.7	43.5	65.3





#71

Bromoform

Concen: 15.839 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

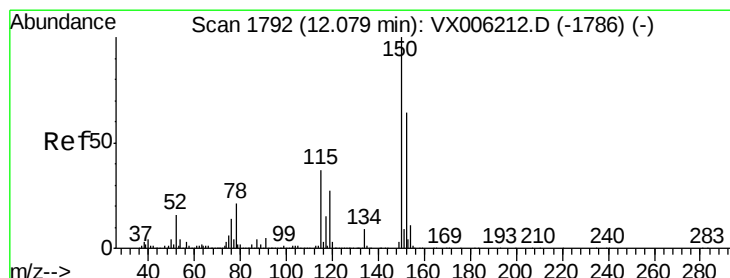
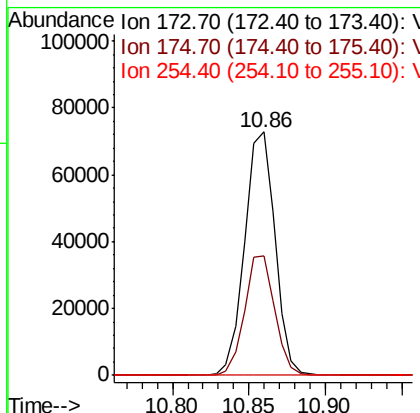
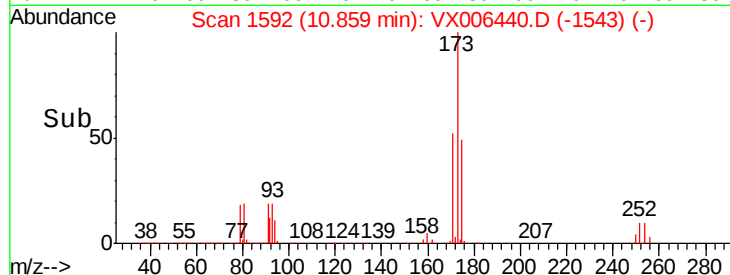
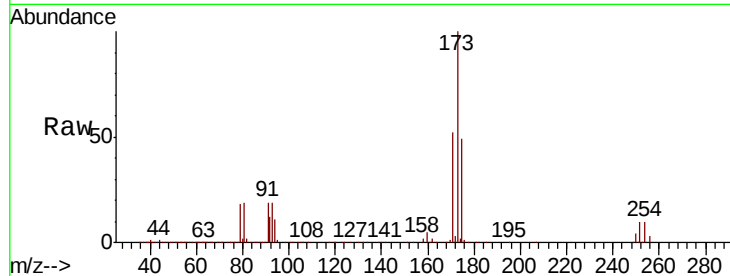
ClientSampleId :

VX1212WBS01

Tot Ion:	173	Resp:	100442
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.6	73.8
254	0.0	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:03 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

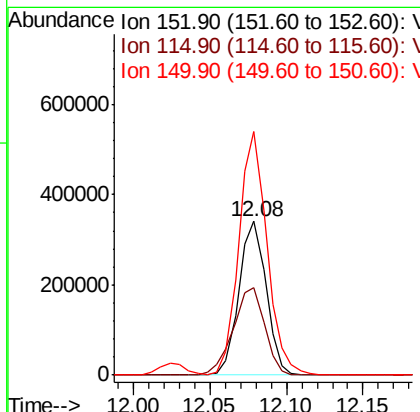
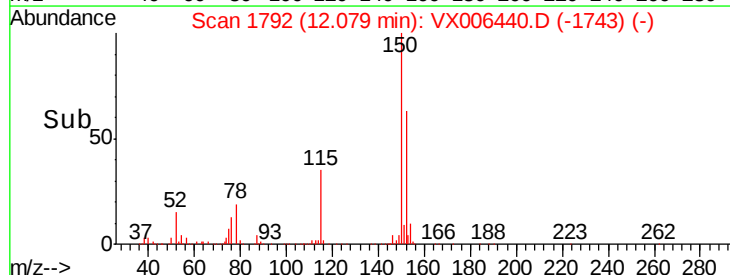
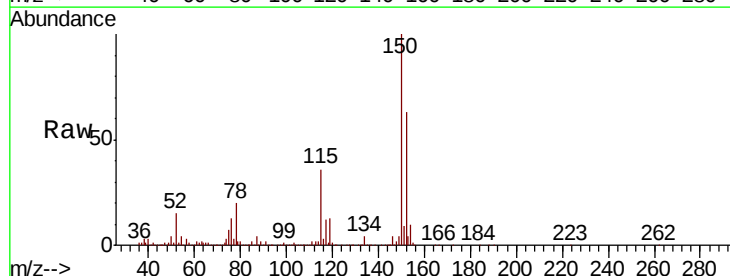
RT: 12.08 min Scan# 1792

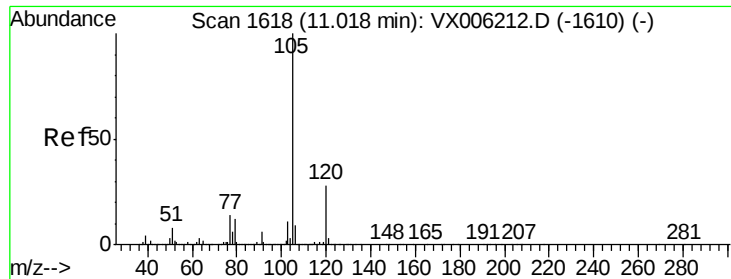
Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Tgt Ion:	152	Resp:	420613
Ion Ratio	Lower	Upper	
152	100		
115	65.5	39.0	116.9
150	163.8	0.0	345.8





#73

Isopropylbenzene

Concen: 22.188 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 105 Resp: 644483

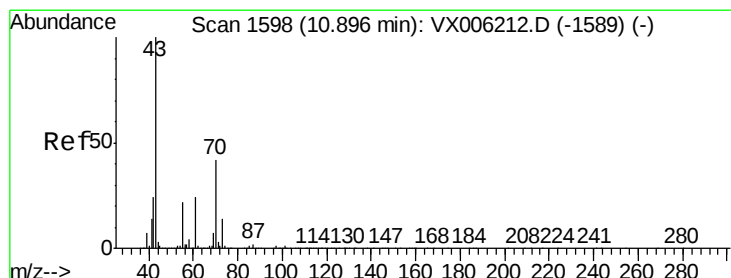
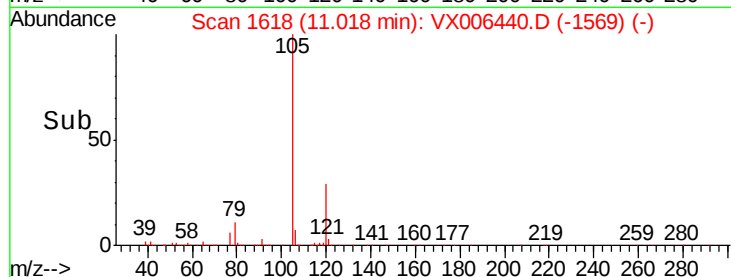
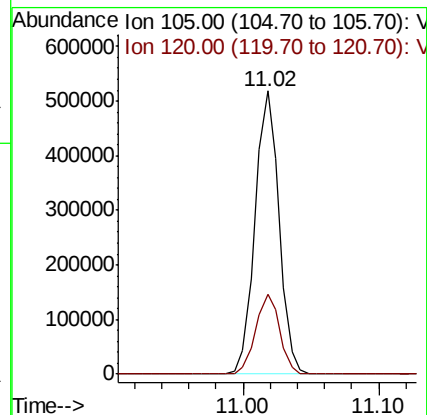
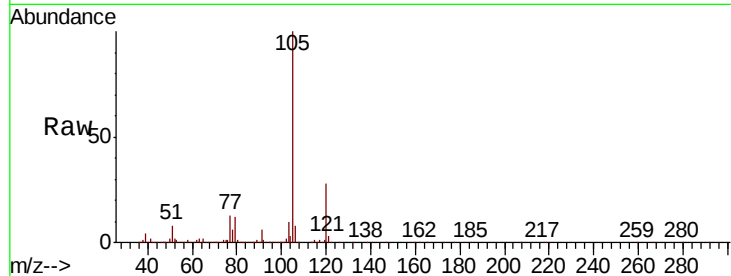
Ion Ratio Lower Upper

105 100

120 28.4 14.1 42.3

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:03 AM



#74

N-ethyl acetate

Concen: 19.397 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Tgt Ion: 43 Resp: 242619

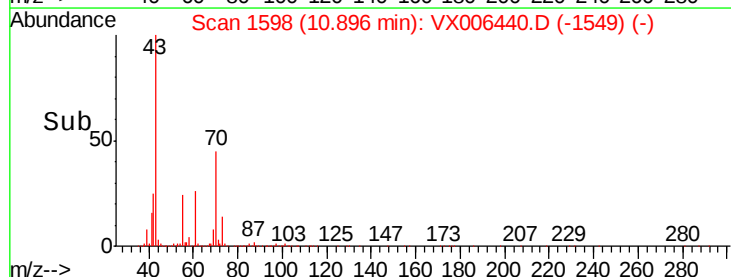
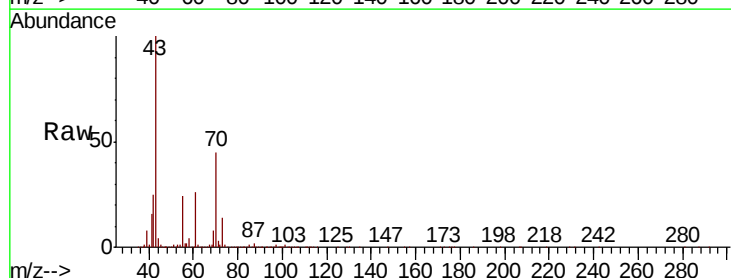
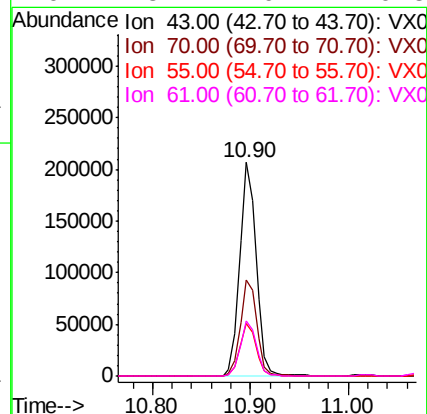
Ion Ratio Lower Upper

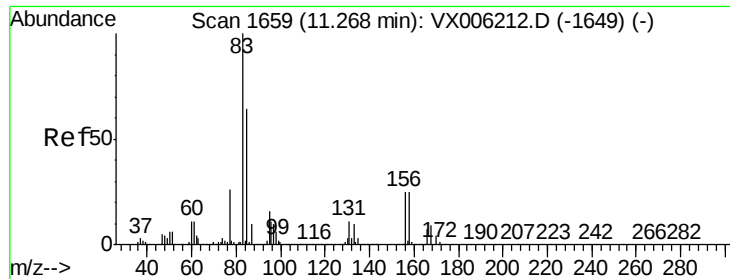
43 100

70 45.0 34.1 51.1

55 24.4 17.8 26.8

61 25.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.208 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 83 Resp: 197080

Ion Ratio Lower Upper

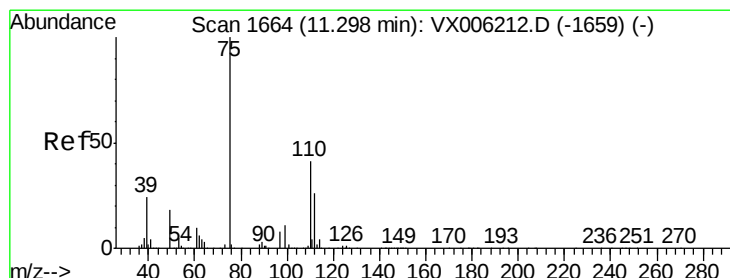
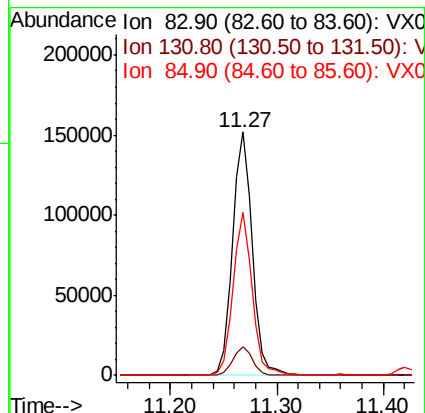
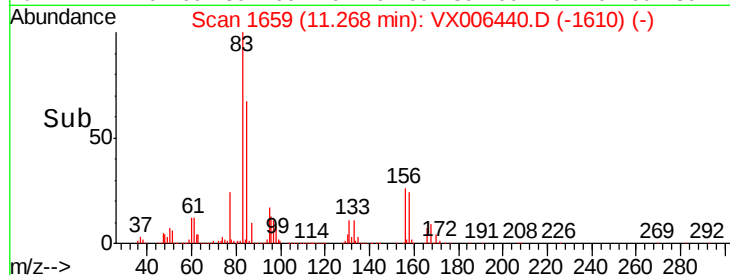
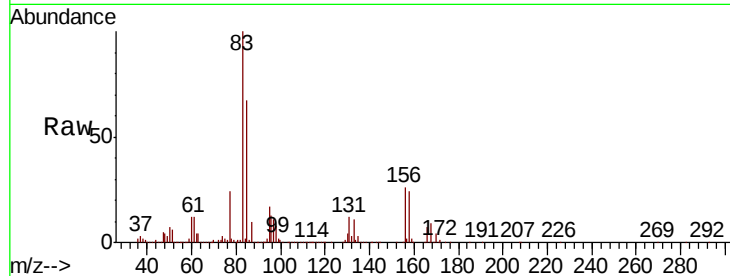
83 100

131 11.6 5.7 17.1

85 65.0 32.1 96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.012 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006440.D

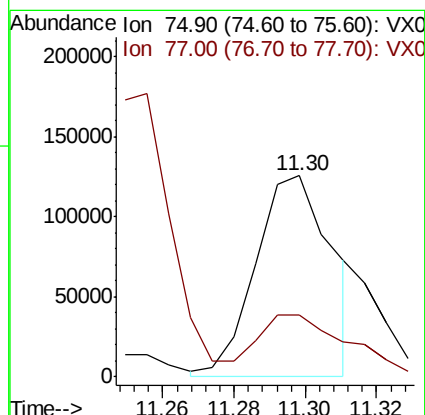
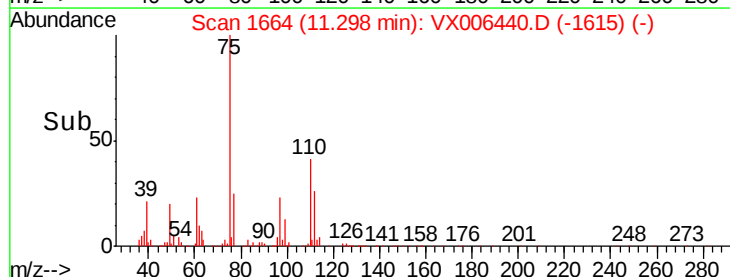
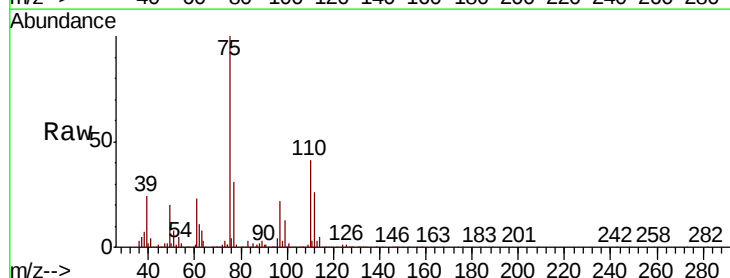
Acq: 12 Dec 2018 13:06

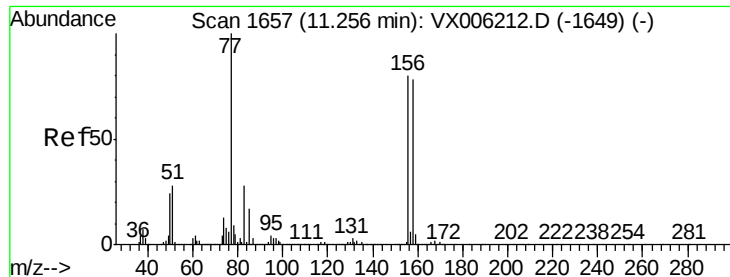
Tgt Ion: 75 Resp: 186826

Ion Ratio Lower Upper

75 100

77 36.5 19.9 59.7





#77

Bromobenzene

Concen: 22.095 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

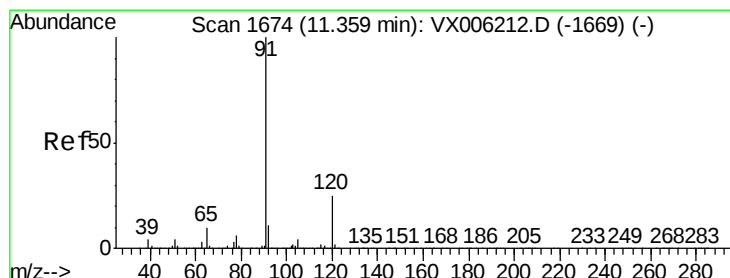
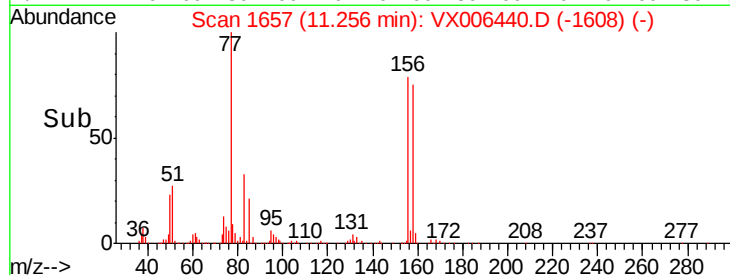
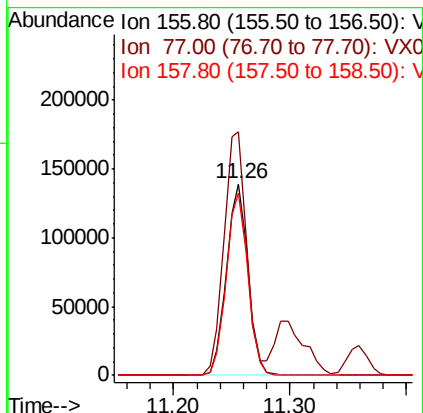
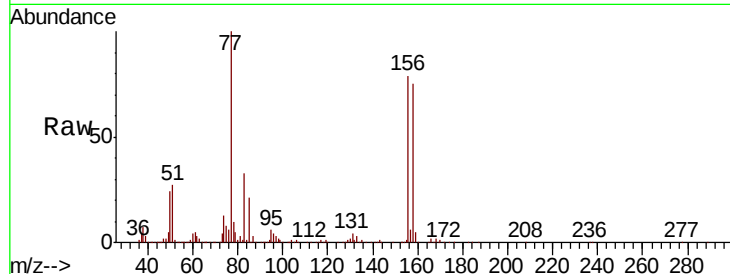
ClientSampleId :

VX1212WBS01

Tot Ion:	156	Resp:	178108
Ion Ratio	Lower	Upper	
156	100		
77	133.5	66.2	198.6
158	95.6	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 21.752 ug/l

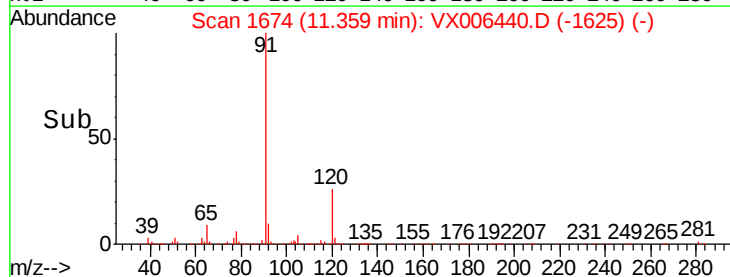
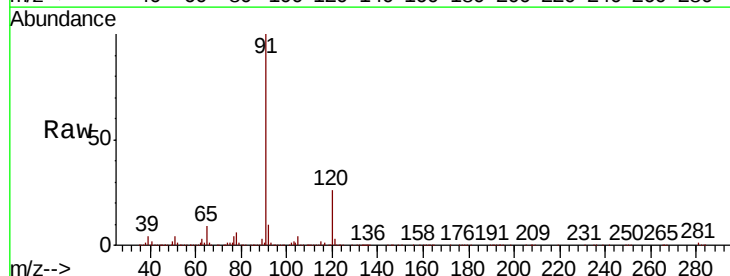
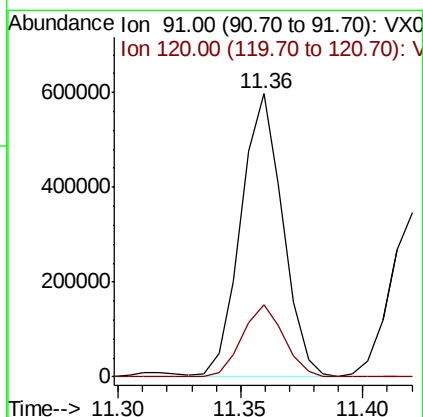
RT: 11.36 min Scan# 1674

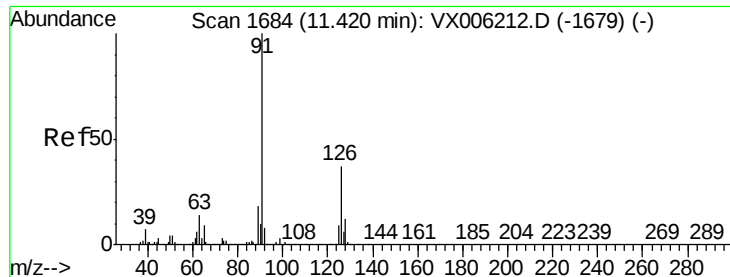
Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Tgt Ion:	91	Resp:	702339
Ion Ratio	Lower	Upper	
91	100		
120	25.7	12.7	38.0





#79

2-Chlorotoluene

Concen: 22.029 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 91 Resp: 422754

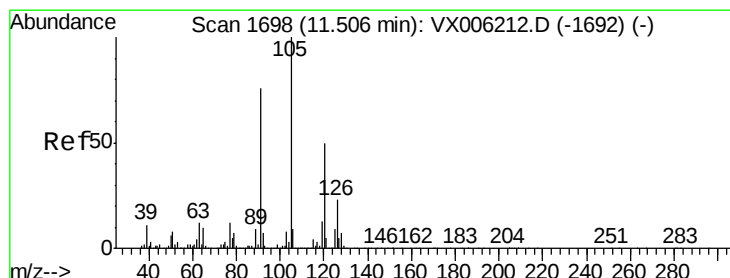
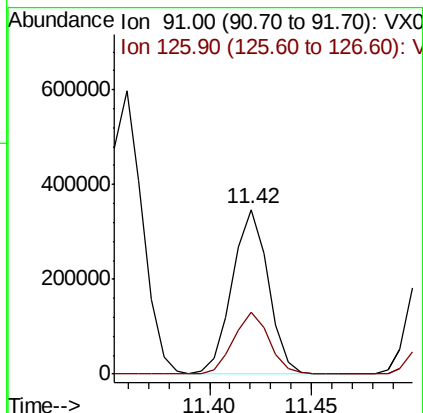
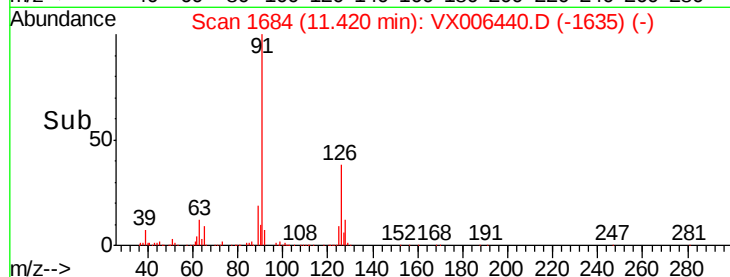
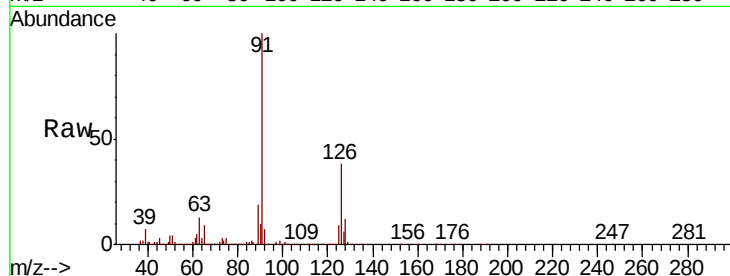
Ion Ratio Lower Upper

91 100

126 37.4 18.6 56.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 22.179 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006440.D

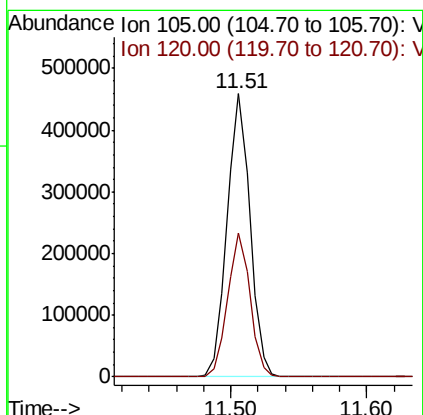
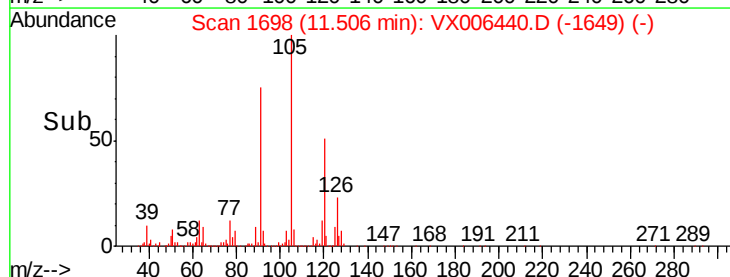
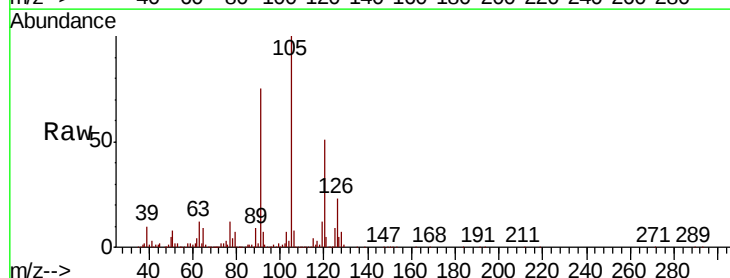
Acq: 12 Dec 2018 13:06

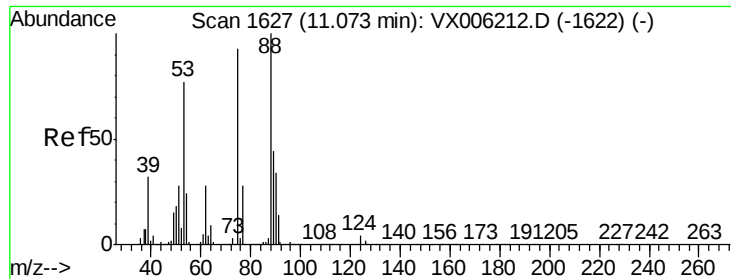
Tgt Ion: 105 Resp: 536017

Ion Ratio Lower Upper

105 100

120 49.9 25.4 76.0





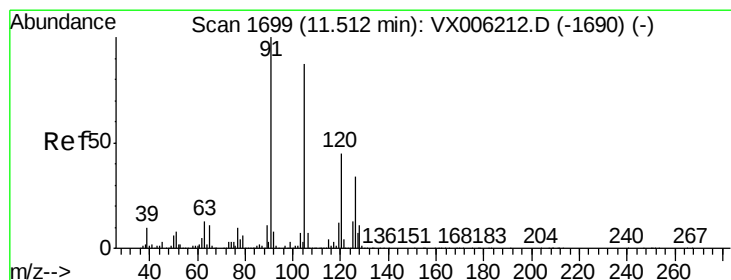
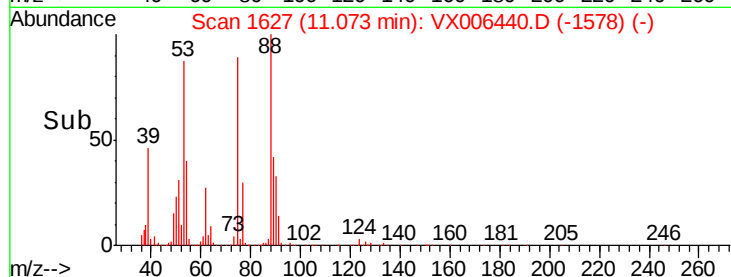
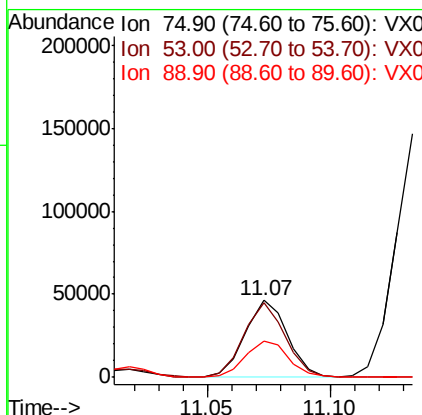
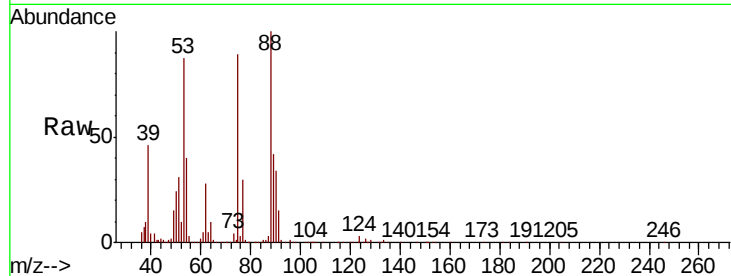
#81
trans-1,4-Dichloro-2-butene
Concen: 16.033 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	64.4	96.6
89	49.0	44.2	66.4

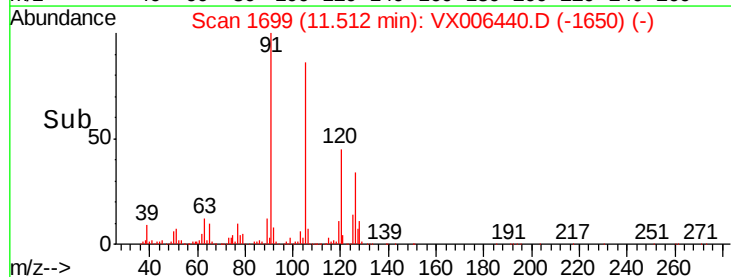
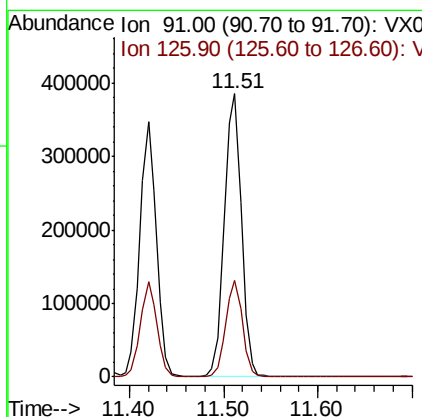
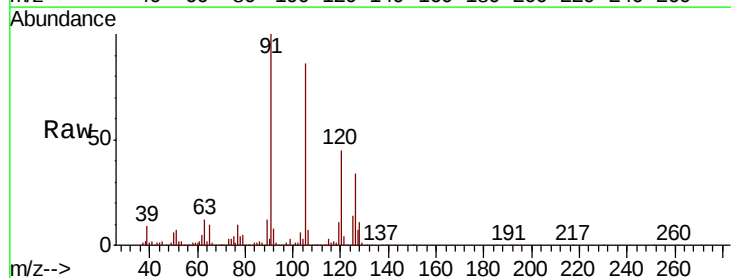
Manual Integrations
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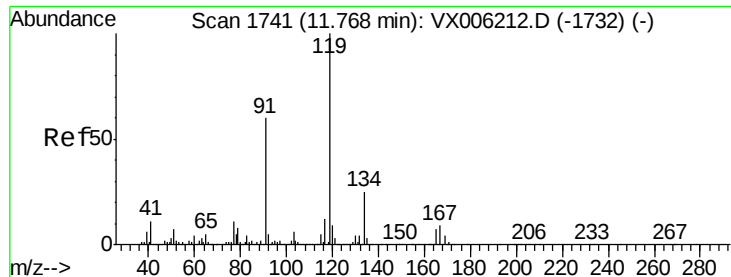
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#82
4-Chlorotoluene
Concen: 21.790 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.4





#83

tert-Butylbenzene

Concen: 21.699 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

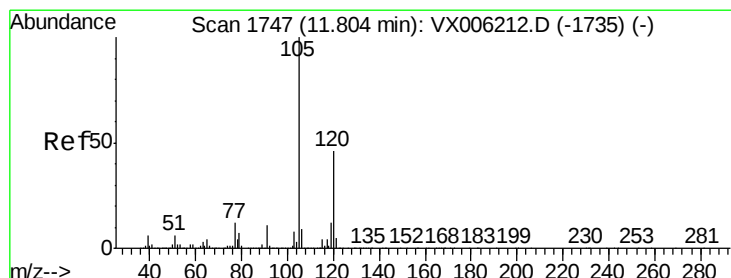
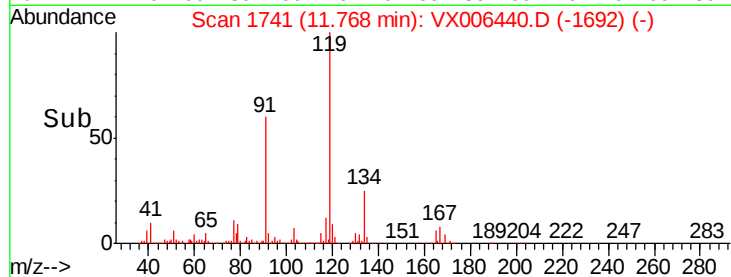
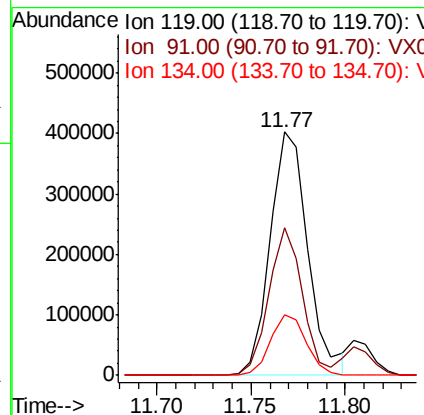
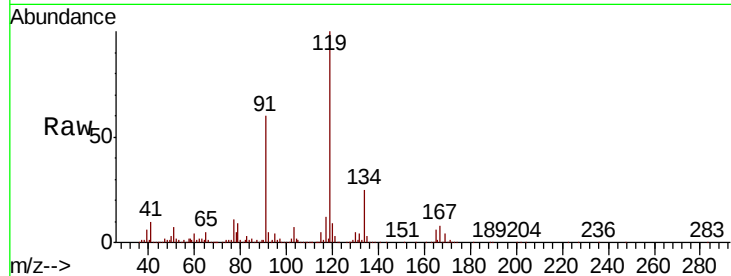
ClientSampleId :

VX1212WBS01

Tot Ion:	119	Resp:	559536
Ion Ratio	Lower	Upper	
119	100		
91	54.0	26.4	79.2
134	23.7	11.6	34.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.035 ug/l

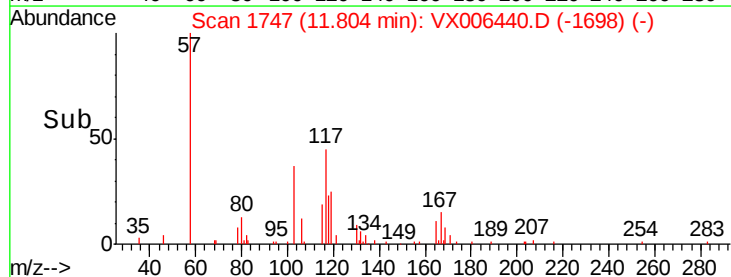
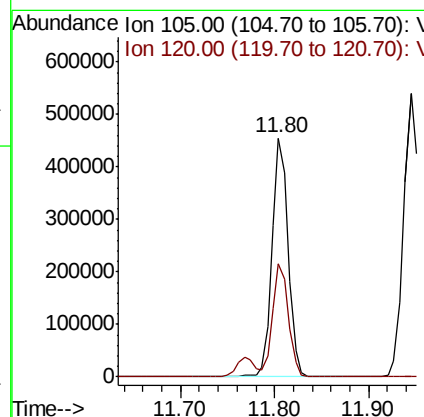
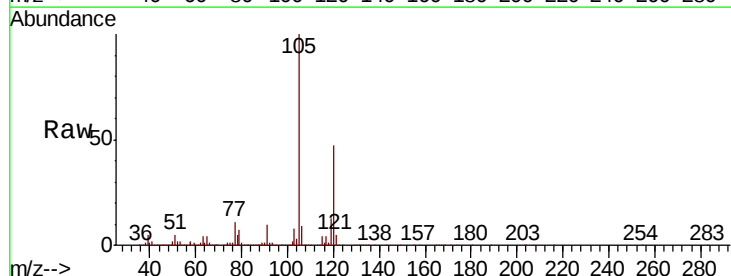
RT: 11.80 min Scan# 1747

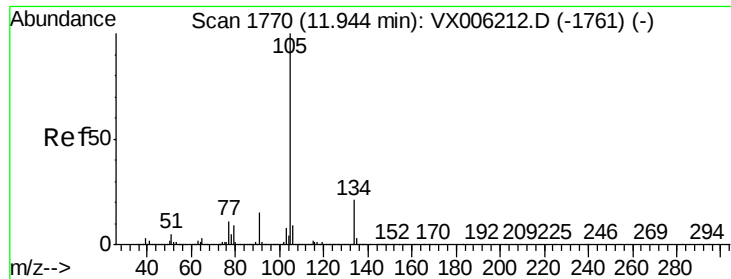
Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Tgt Ion:	105	Resp:	549887
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.4	70.0





#85

sec-Butylbenzene

Concen: 21.926 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion:105 Resp: 643203

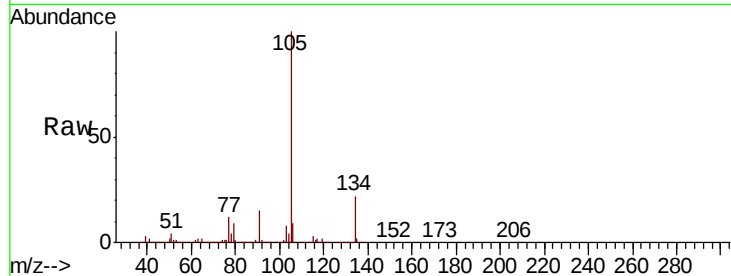
Ion Ratio Lower Upper

105 100

134 22.3 10.8 32.4

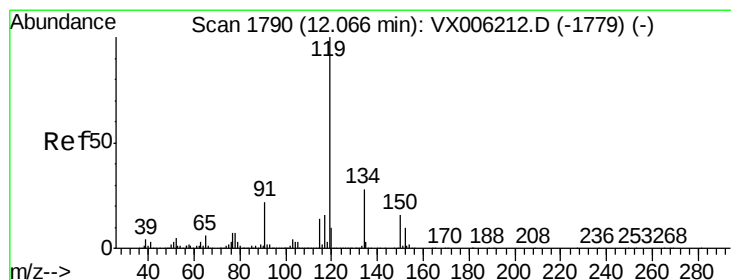
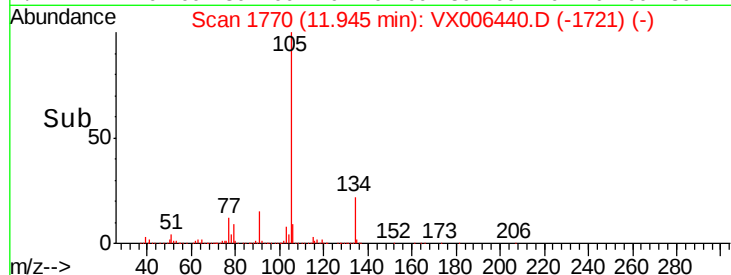
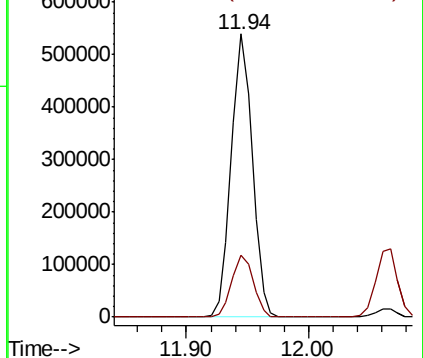
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.853 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

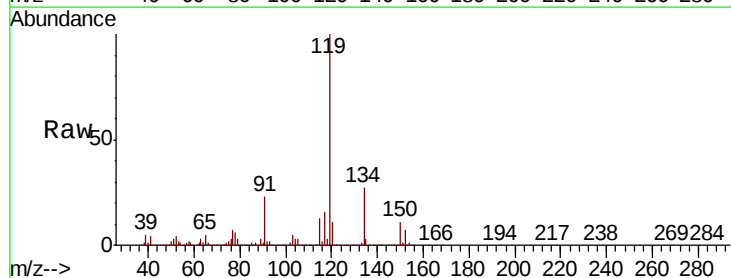
Tgt Ion:119 Resp: 577270

Ion Ratio Lower Upper

119 100

134 28.0 13.9 41.6

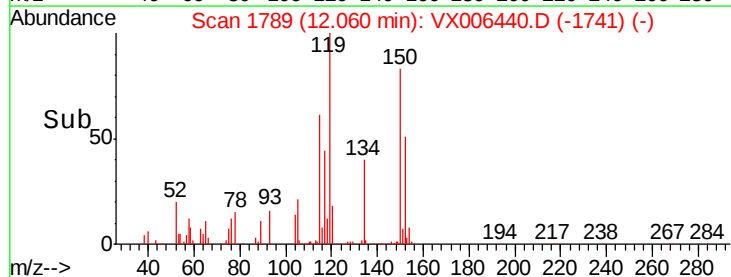
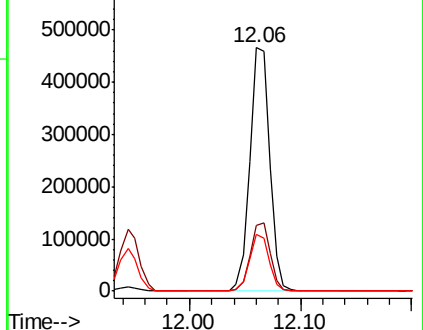
91 22.9 11.3 33.8

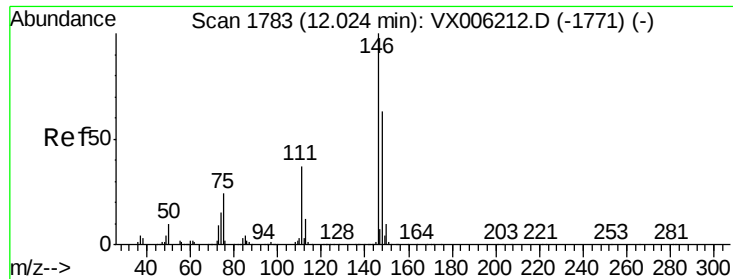


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 21.694 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006440.D

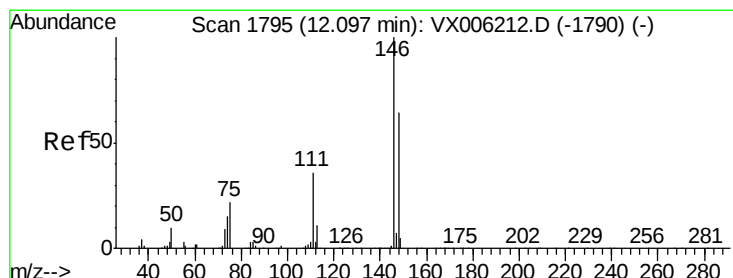
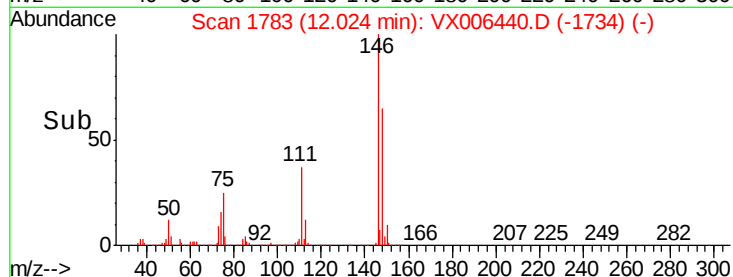
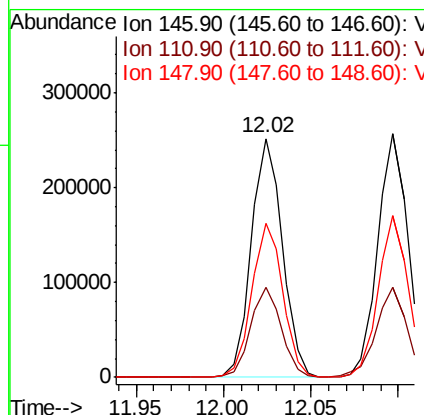
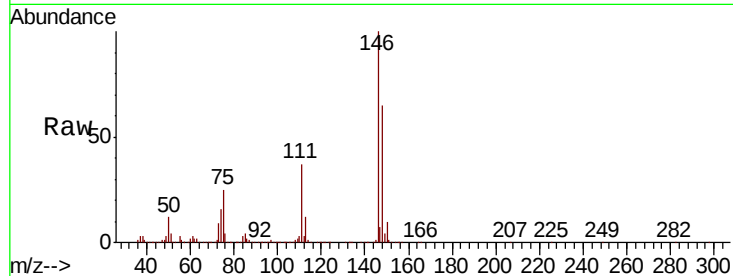
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.2
148	64.3	32.0	96.0

Manual Integrations
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12/13/2018 11:05:03 AM



#88

1,4-Dichlorobenzene

Concen: 21.264 ug/l

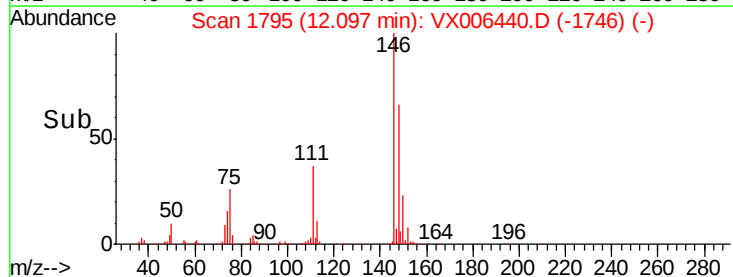
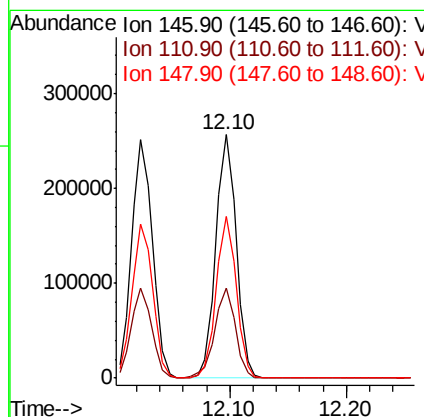
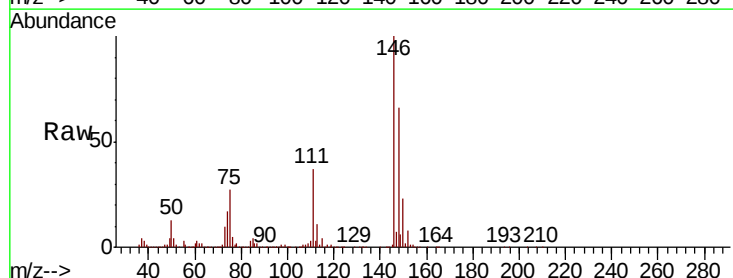
RT: 12.10 min Scan# 1795

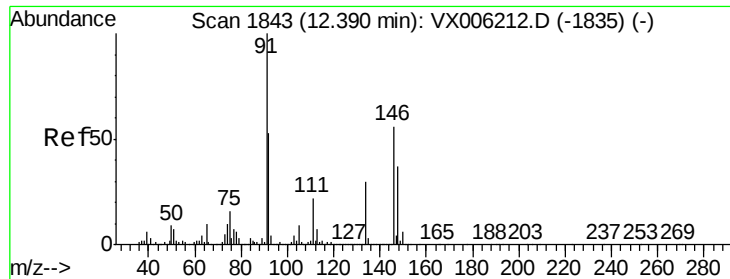
Delta R.T. 0.00 min

Lab File: VX006440.D

Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.3	54.8
148	65.4	31.9	95.9





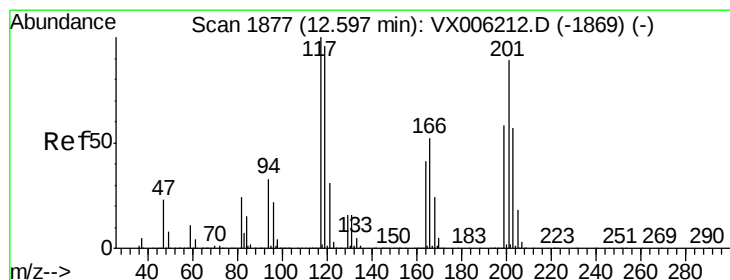
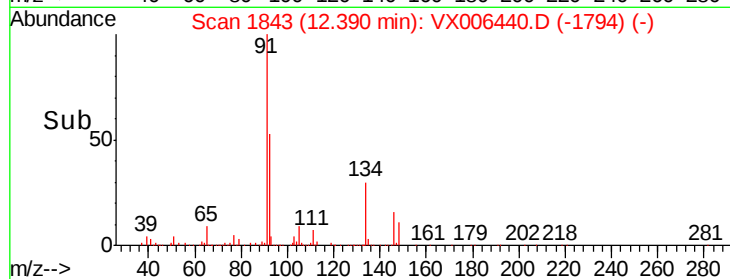
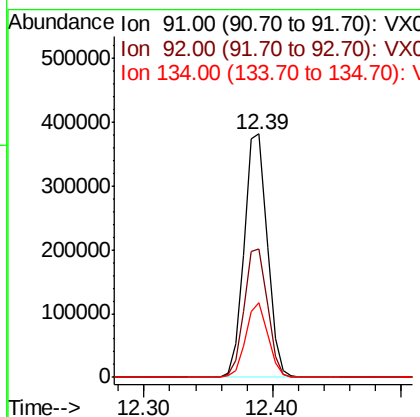
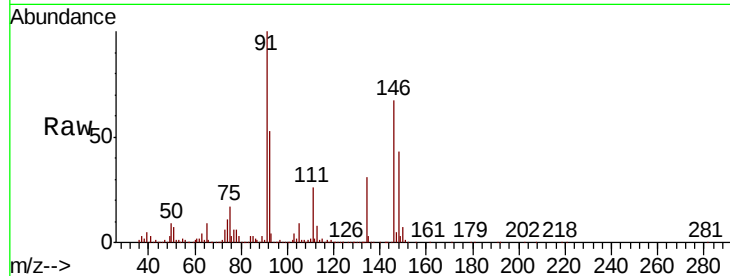
#89
n-Butylbenzene
Concen: 20.892 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.8
134	29.3	14.8	44.3

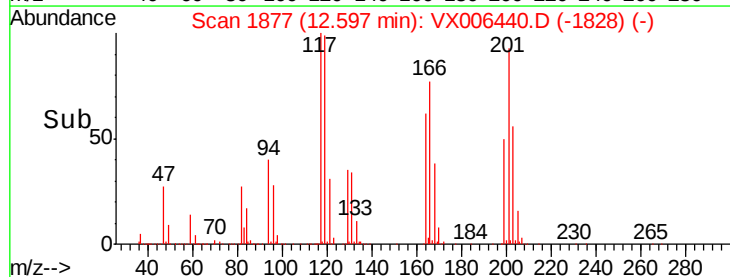
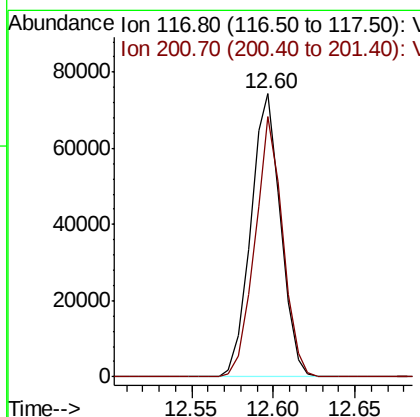
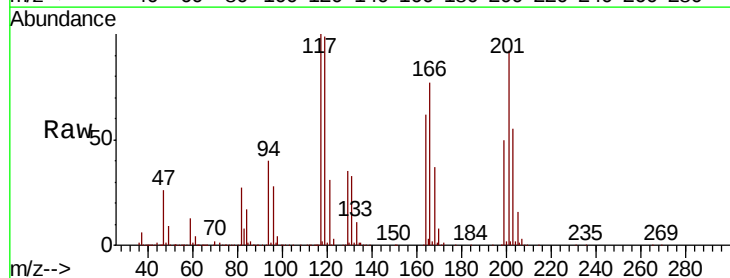
Manual Integrations
APPROVED

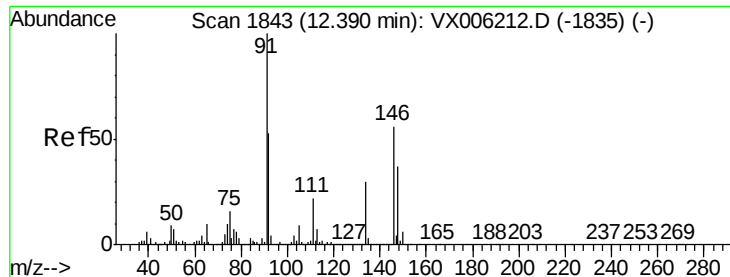
MMDadoda
12/13/2018 11:05:03 AM



#90
Hexachloroethane
Concen: 17.656 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	44.7	134.1





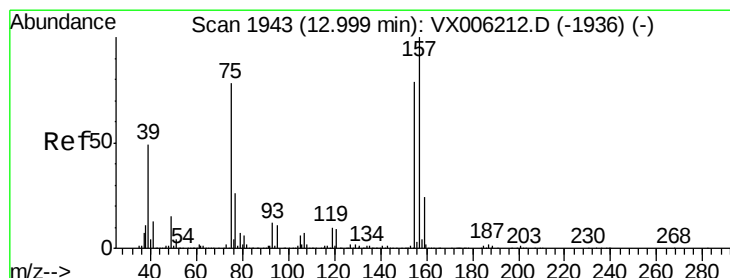
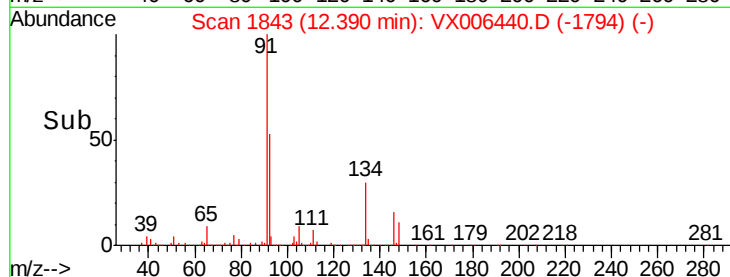
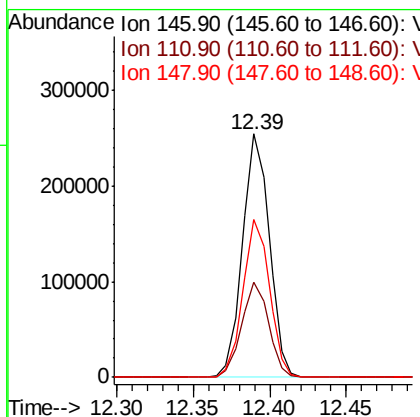
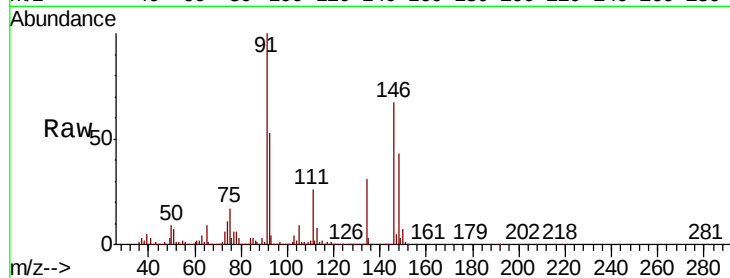
#91
 1,2-Dichlorobenzene
 Concen: 21.859 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	311176		
111	39.2	19.1	57.3	
148	64.3	32.1	96.3	

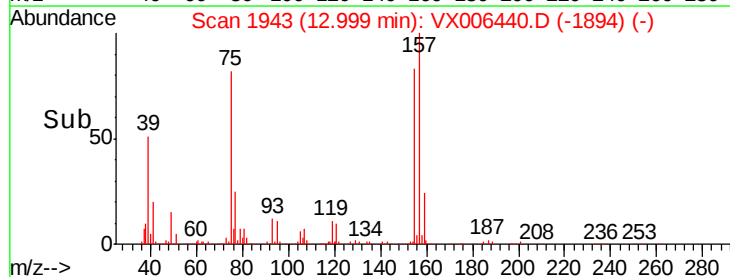
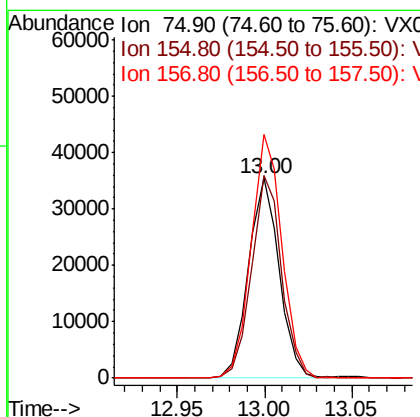
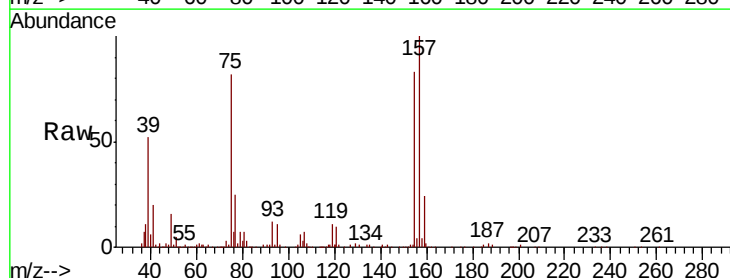
Manual Integrations
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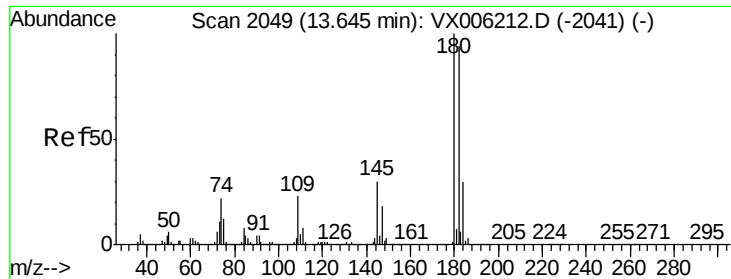
MMDadoda
 12/13/2018 11:05:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.104 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43127		
155	99.4	53.4	160.3	
157	122.1	68.0	203.8	





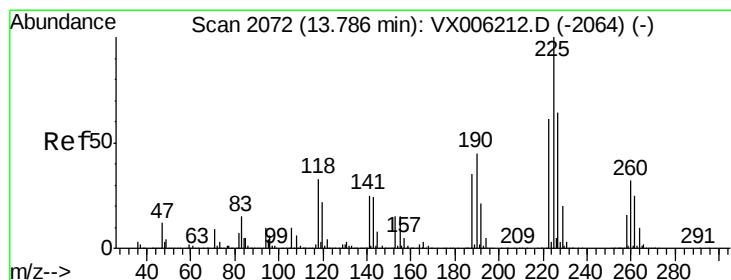
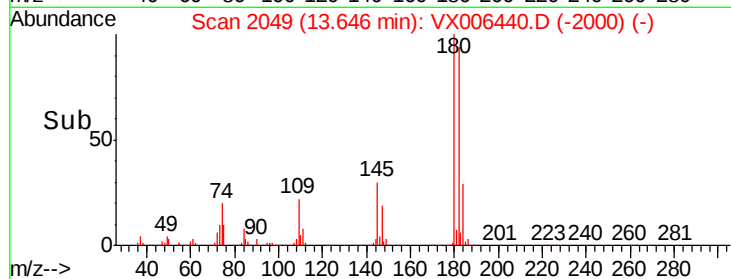
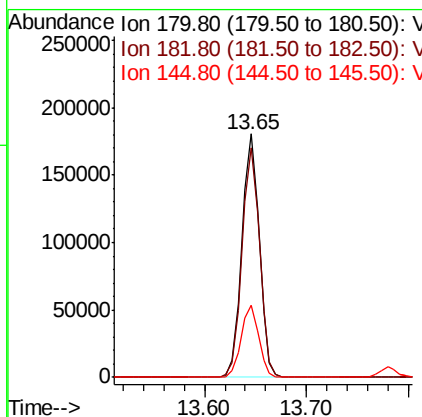
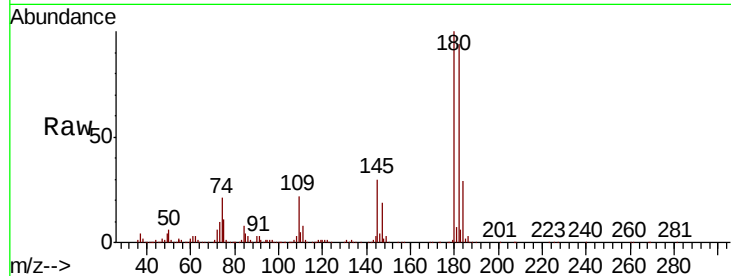
#93
 1,2,4-Trichlorobenzene
 Concen: 20.385 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.9
145	30.0	14.6	43.8

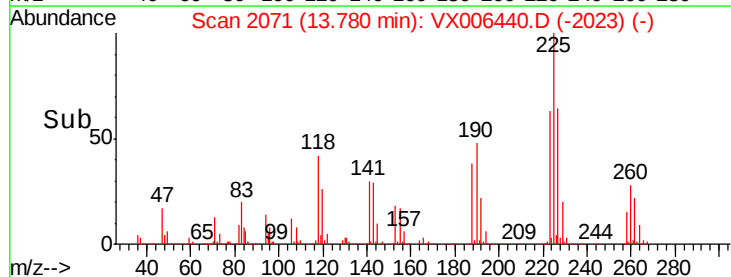
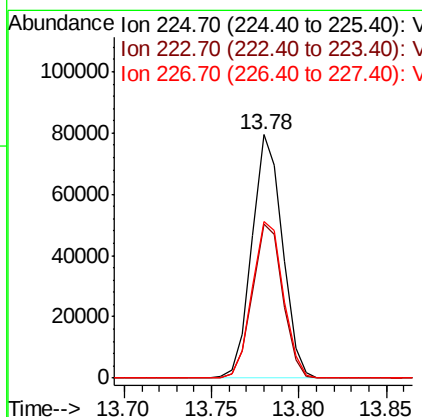
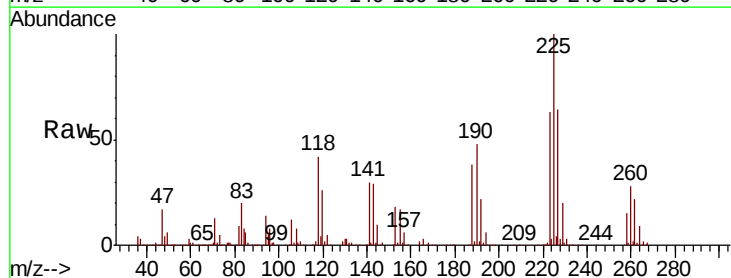
Manual Integrations
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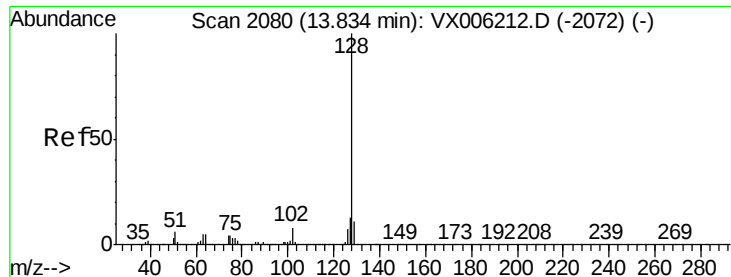
MMDadoda
 12/13/2018 11:05:03 AM



#94
 Hexachlorobutadiene
 Concen: 20.920 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006440.D
 Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.2	93.6
227	66.0	31.9	95.5





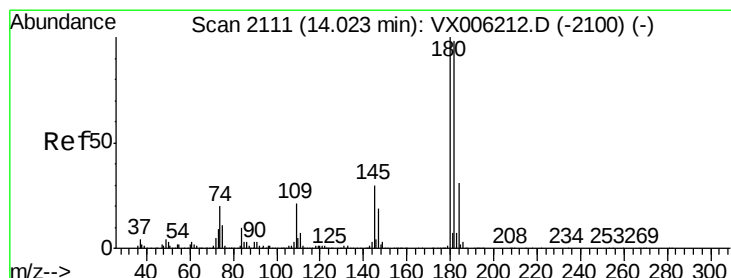
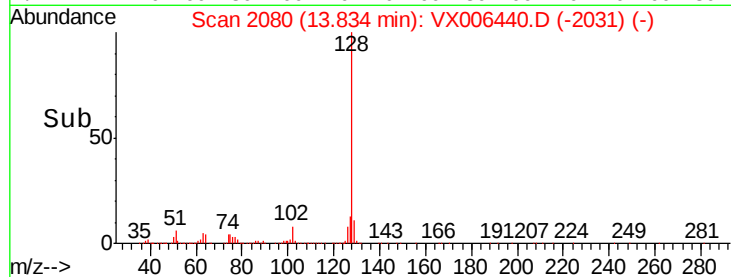
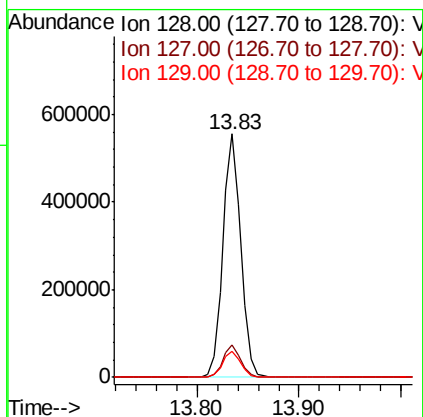
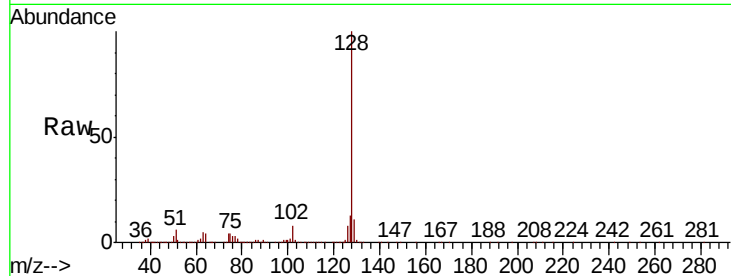
#95
Naphthalene
Concen: 20.979 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
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12/13/2018 11:05:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.805 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006440.D
Acq: 12 Dec 2018 13:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.4	145.2
145	32.4	15.6	46.8

