

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121318\
 Data File : VX006489.D
 Acq On : 13 Dec 2018 12:06
 Operator : JC/MD
 Sample : VX1213WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:34:59 AM

Quant Time: Dec 14 00:31:22 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	532387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	844736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	762933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	400804	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	288229	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
35) Dibromofluoromethane	5.50	113	263707	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	955414	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.13	95	374532	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	107119	20.549	ug/l	99
3) Chloromethane	1.33	50	115772	21.612	ug/l	98
4) Vinyl Chloride	1.41	62	121197	21.022	ug/l	98
5) Bromomethane	1.64	94	113193	28.329	ug/l	99
6) Chloroethane	1.73	64	78150	22.108	ug/l	98
7) Trichlorofluoromethane	1.93	101	191211	21.606	ug/l	97
8) Diethyl Ether	2.19	74	72792	21.733	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	113410	22.537	ug/l	99
10) Methyl Iodide	2.51	142	169208	22.312	ug/l	99
11) Tert butyl alcohol	3.07	59	159595	107.377	ug/l	100
12) 1,1-Dichloroethene	2.38	96	105073	21.811	ug/l	88
13) Acrolein	2.29	56	88362	108.772	ug/l	96
14) Allyl chloride	2.73	41	175240	18.415	ug/l	97
15) Acrylonitrile	3.15	53	322537	103.992	ug/l	100
16) Acetone	2.45	43	286151	112.193	ug/l	95
17) Carbon Disulfide	2.57	76	264430	17.813	ug/l	98
18) Methyl Acetate	2.78	43	173608	20.354	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	358861	20.882	ug/l	98
20) Methylene Chloride	2.86	84	116474	21.457	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	111436	21.707	ug/l	94
22) Diisopropyl ether	3.87	45	320603	21.569	ug/l	94
23) Vinyl Acetate	3.82	43	1312893	103.559	ug/l	98
24) 1,1-Dichloroethane	3.70	63	192712	22.683	ug/l	98
25) 2-Butanone	4.70	43	397970	109.355	ug/l	100
26) 2,2-Dichloropropane	4.59	77	156598	19.972	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	128302	22.406	ug/l	98
28) Bromochloromethane	5.02	49	82574	22.252	ug/l	98
29) Tetrahydrofuran	5.15	42	264597	104.614	ug/l	96
30) Chloroform	5.21	83	198504	22.234	ug/l	97
31) Cyclohexane	5.58	56	173998	22.161	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	173189	20.388	ug/l	98
36) 1,1-Dichloropropene	5.80	75	145604	20.469	ug/l	99
37) Ethyl Acetate	4.85	43	152170	19.102	ug/l	97
38) Carbon Tetrachloride	5.78	117	150125	17.939	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	194947	21.113	ug/l	99
40) Benzene	6.15	78	454097	21.313	ug/l	99
41) Methacrylonitrile	5.06	41	83515	19.052	ug/l	98
42) 1,2-Dichloroethane	6.20	62	150772	21.622	ug/l	99
43) Isopropyl Acetate	6.46	43	240003	18.070	ug/l	99
44) Trichloroethene	7.21	130	132858	20.584	ug/l	96
45) 1,2-Dichloropropane	7.52	63	109602	20.241	ug/l	98
46) Dibromomethane	7.66	93	79726	20.386	ug/l	94
47) Bromodichloromethane	7.90	83	135644	17.911	ug/l	100
48) Methyl methacrylate	7.77	41	121294	18.772	ug/l	96
49) 1,4-Dioxane	7.75	88	70617	443.423	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	773556	100.045	ug/l	98
52) Toluene	8.79	92	300058	21.407	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	146688	16.562	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	167960	18.263	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	122000	21.424	ug/l	97
56) Ethyl methacrylate	9.18	69	177240	19.909	ug/l	97
57) 1,3-Dichloropropane	9.37	76	193240	21.460	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	413813	91.603	ug/l	100
59) 2-Hexanone	9.49	43	603849	102.221	ug/l	98
60) Dibromochloromethane	9.59	129	116466	16.586	ug/l	99
61) 1,2-Dibromoethane	9.67	107	131404	20.637	ug/l	99
64) Tetrachloroethene	9.34	164	122072	21.246	ug/l	97
65) Chlorobenzene	10.14	112	346751	21.410	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	116415	18.501	ug/l	99
67) Ethyl Benzene	10.25	91	573105	21.276	ug/l	99
68) m/p-Xylenes	10.36	106	462060	42.824	ug/l	98
69) o-Xylene	10.70	106	228122	21.404	ug/l	100
70) Styrene	10.71	104	359493	20.855	ug/l	98
71) Bromoform	10.86	173	83011	13.975	ug/l #	98
73) Isopropylbenzene	11.02	105	597878	21.600	ug/l	100
74) N-amyl acetate	10.90	43	222065	18.631	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	183053	20.672	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	169068m	21.854	ug/l	
77) Bromobenzene	11.26	156	156896	20.425	ug/l	96
78) n-propylbenzene	11.36	91	660869	21.479	ug/l	100
79) 2-Chlorotoluene	11.42	91	394925	21.596	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	491808	21.355	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	46155	14.001	ug/l #	82
82) 4-Chlorotoluene	11.51	91	454933	21.397	ug/l	99
83) tert-Butylbenzene	11.77	119	512035	20.838	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	512753	21.562	ug/l	99
85) sec-Butylbenzene	11.94	105	598902	21.425	ug/l	99
86) p-Isopropyltoluene	12.06	119	532769	21.166	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	289429	21.176	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	288178	20.773	ug/l	97
89) n-Butylbenzene	12.39	91	447284	20.826	ug/l	99
90) Hexachloroethane	12.60	117	79352	15.468	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	291178	21.465	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38015	16.747	ug/l	93

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Instrument :
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ClientSampleId :
VX1213WBS01

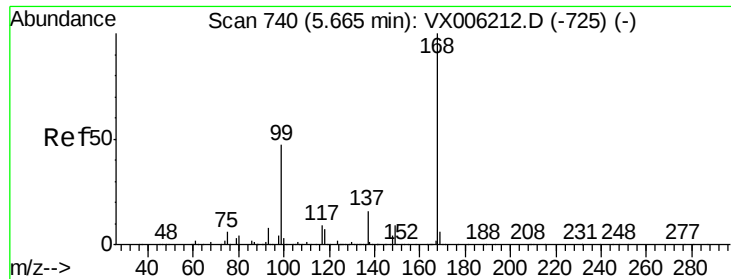
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	203279	20.540	ug/l	98
94) Hexachlorobutadiene	13.78	225	89483	20.446	ug/l	99
95) Naphthalene	13.83	128	636215	20.667	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	201734	20.580	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion:168 Resp: 532387

Ion Ratio Lower Upper

168 100

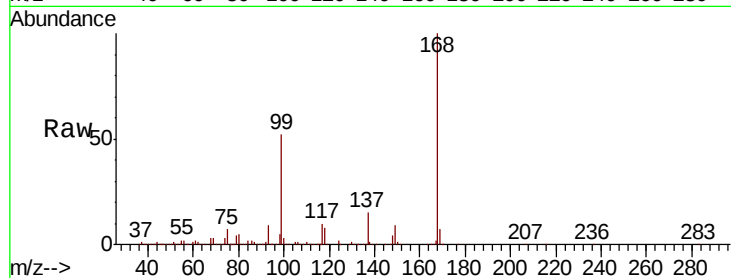
99 52.1 37.8 56.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

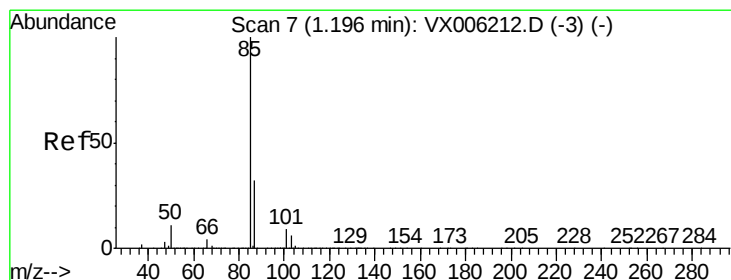
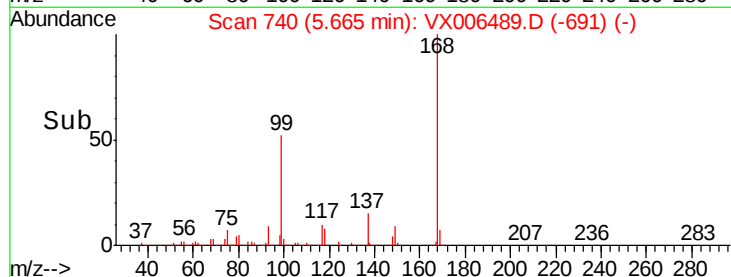
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.549 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006489.D

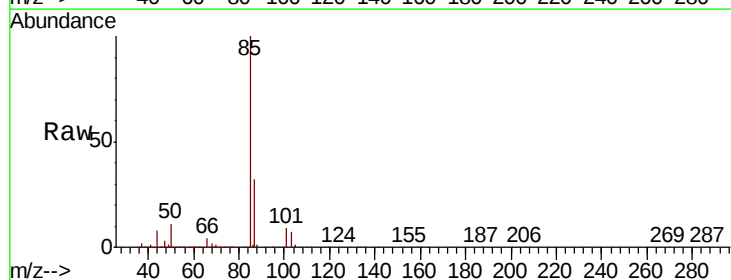
Acq: 13 Dec 2018 12:06

Tgt Ion: 85 Resp: 107119

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

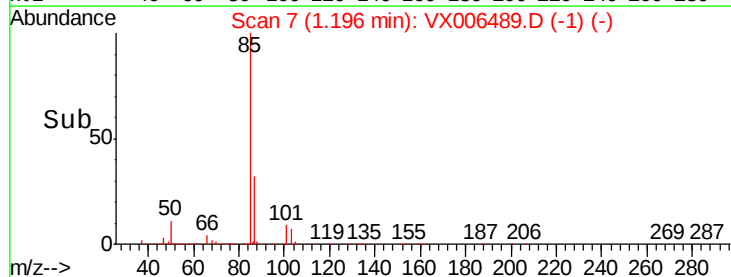
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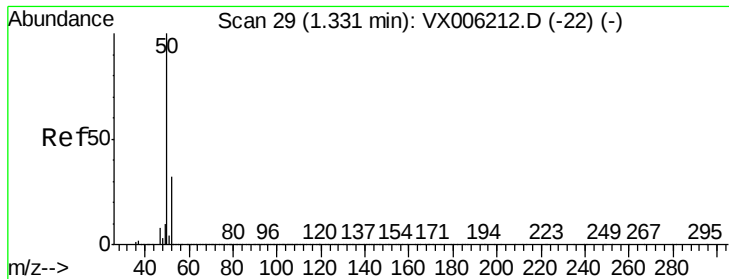
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 21.612 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 50 Resp: 115772

Ion Ratio Lower Upper

50 100

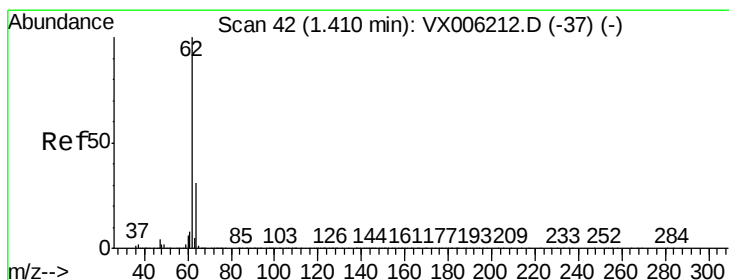
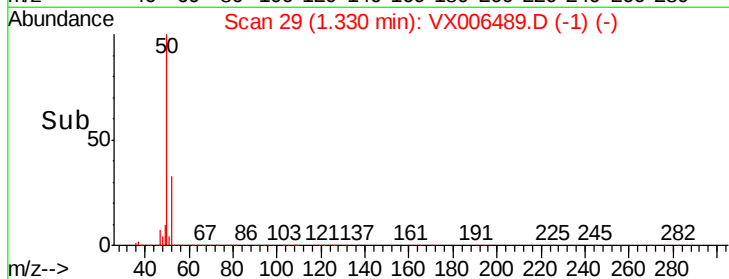
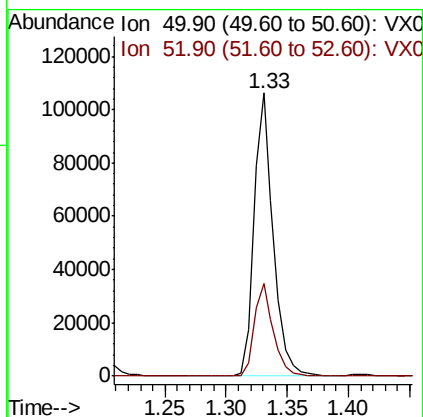
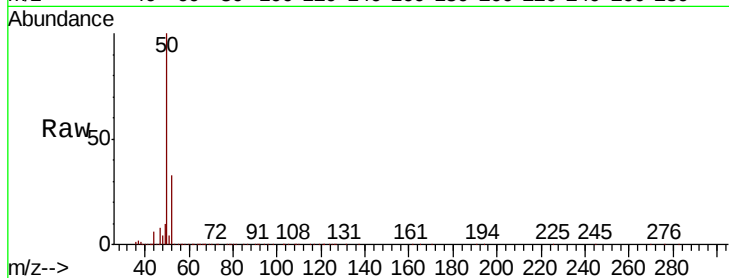
52 32.5 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.022 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006489.D

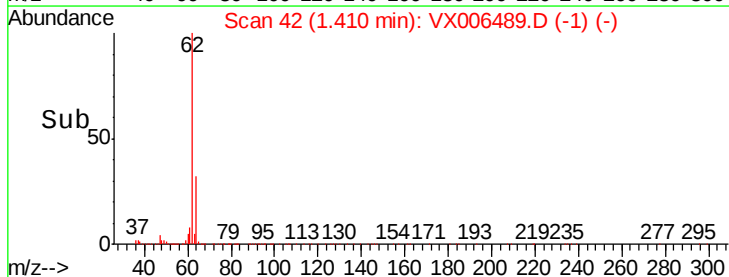
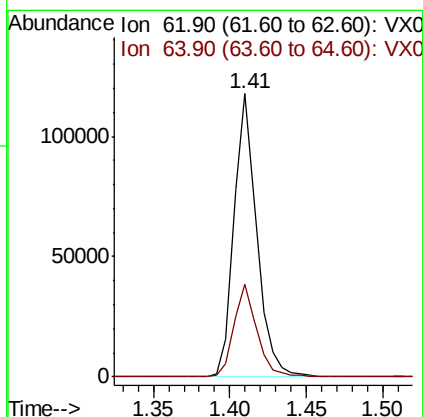
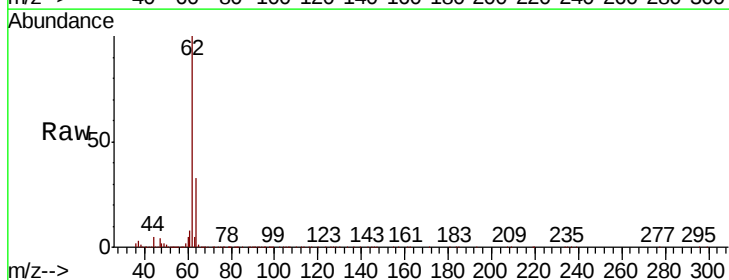
Acq: 13 Dec 2018 12:06

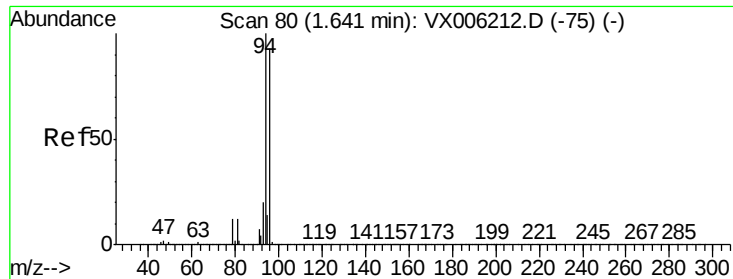
Tgt Ion: 62 Resp: 121197

Ion Ratio Lower Upper

62 100

64 32.5 24.9 37.3





#5

Bromomethane

Concen: 28.329 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 94 Resp: 113193

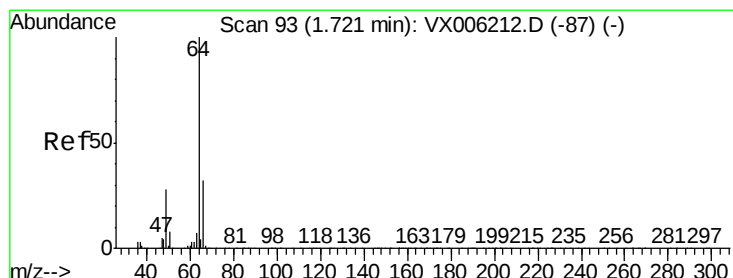
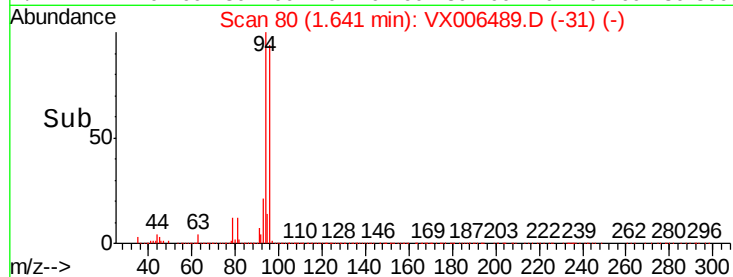
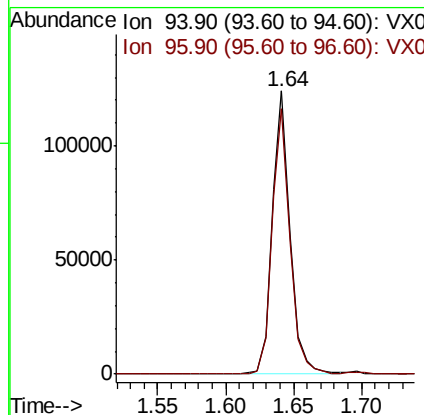
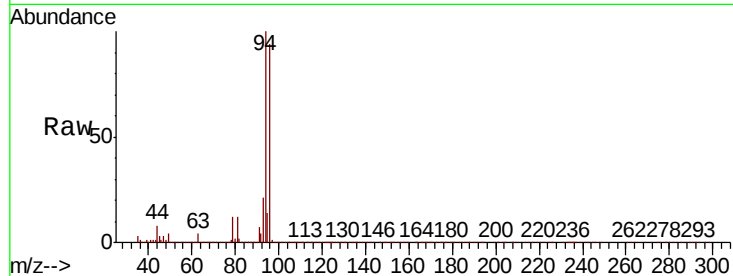
Ion Ratio Lower Upper

94 100

96 94.0 74.5 111.7

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#6

Chloroethane

Concen: 22.108 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006489.D

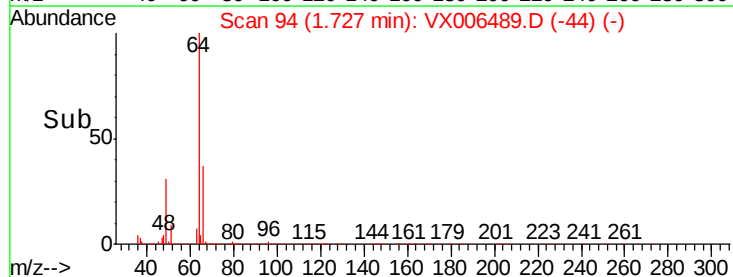
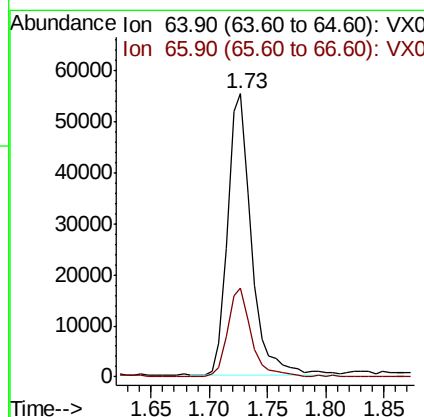
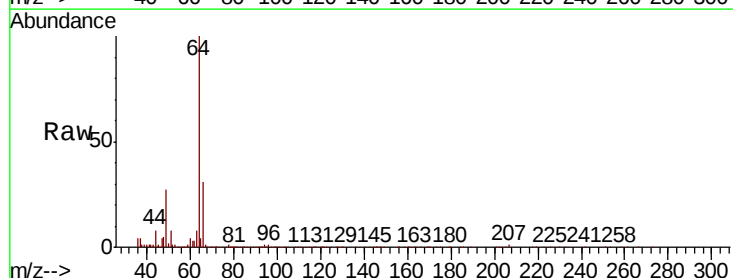
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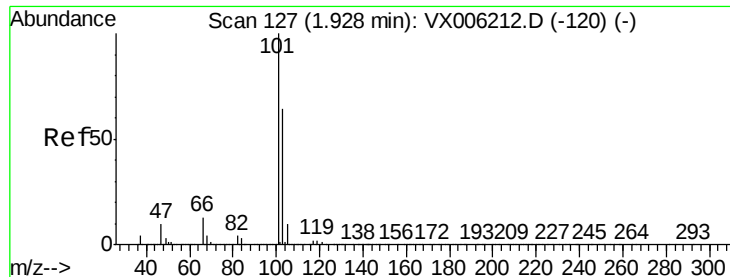
Tgt Ion: 64 Resp: 78150

Ion Ratio Lower Upper

64 100

66 31.3 25.9 38.9





#7

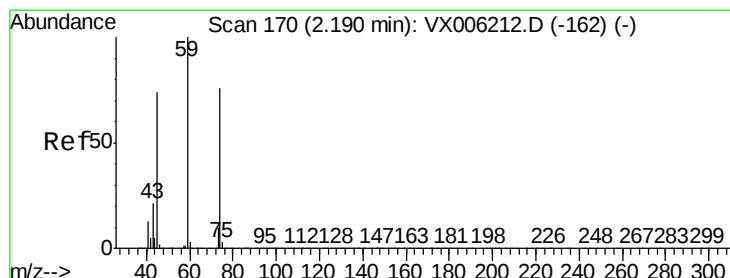
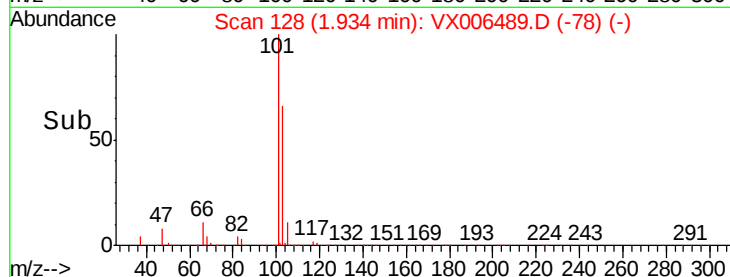
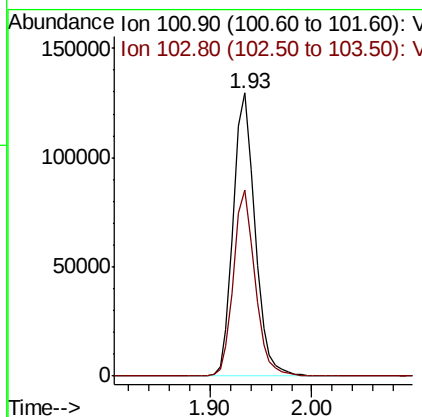
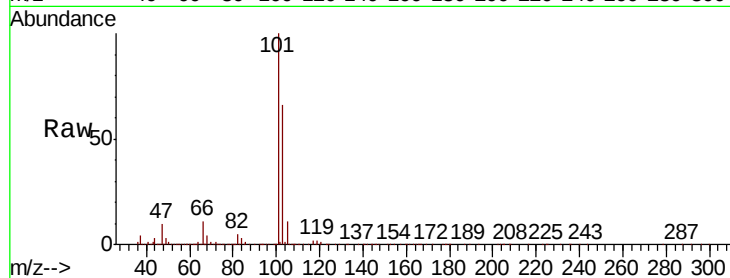
Trichlorofluoromethane
Concen: 21.606 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	191211		
103	65.7	51.0	76.4	

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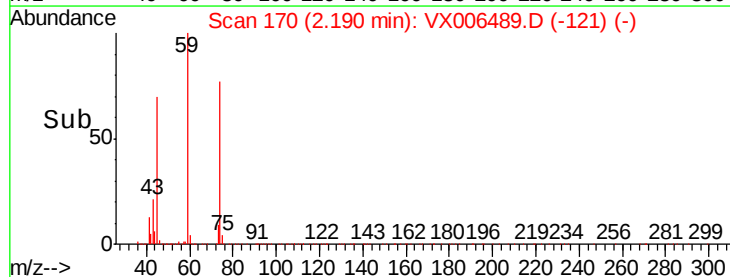
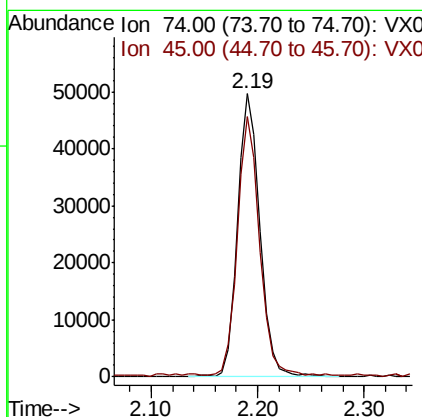
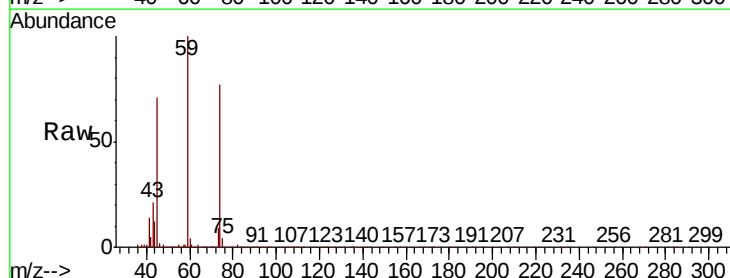
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12/14/2018 9:34:59 AM

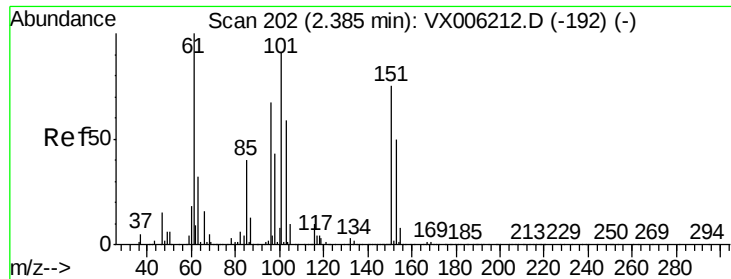


#8

Diethyl Ether
Concen: 21.733 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	72792		
45	90.8	49.5	148.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.537 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

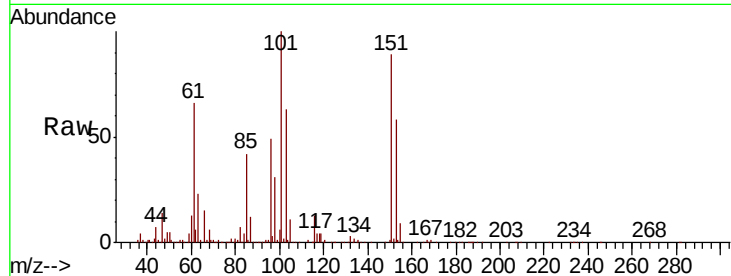
ClientSampleId :

VX1213WBS01

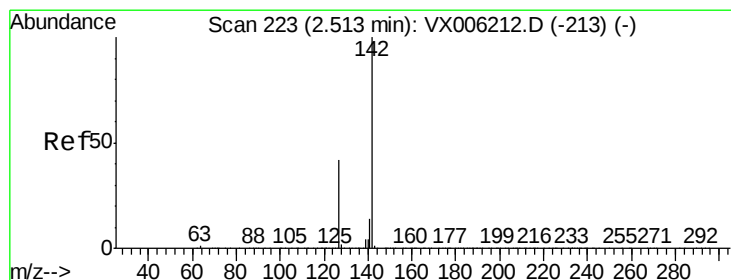
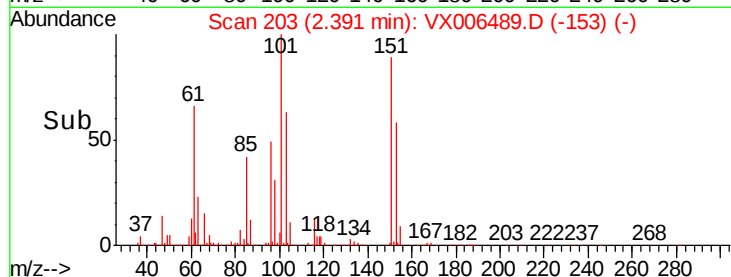
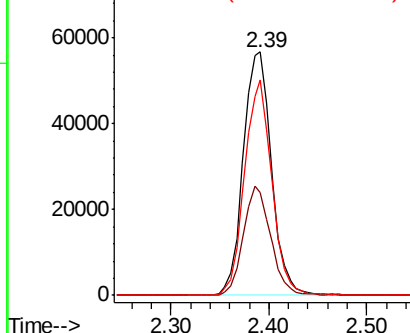
Tot Ion:	101	Resp:	113410
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.5	53.3
151	85.5	68.6	103.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.312 ug/l

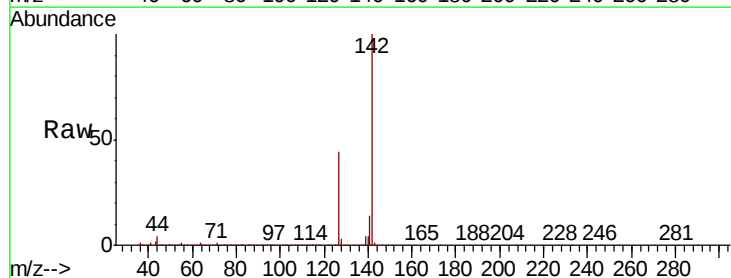
RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

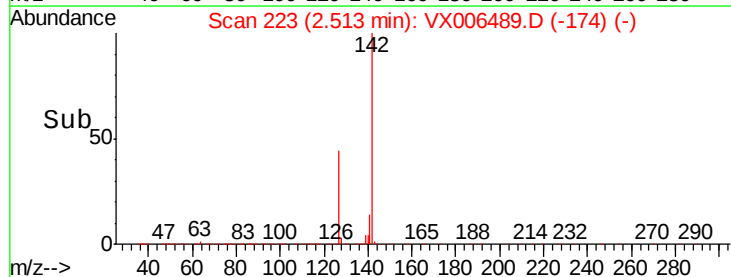
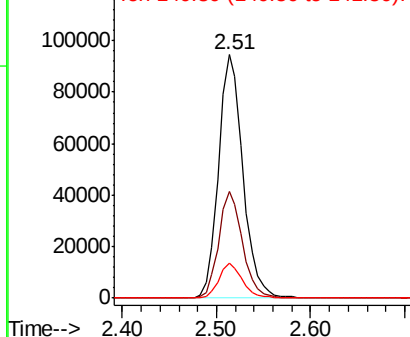
Lab File: VX006489.D

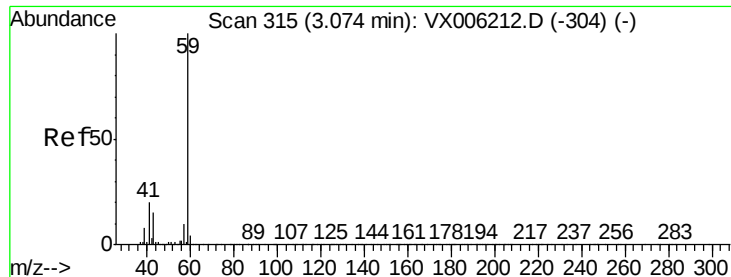
Acq: 13 Dec 2018 12:06

Tgt Ion:	142	Resp:	169208
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.8	52.2
141	13.8	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





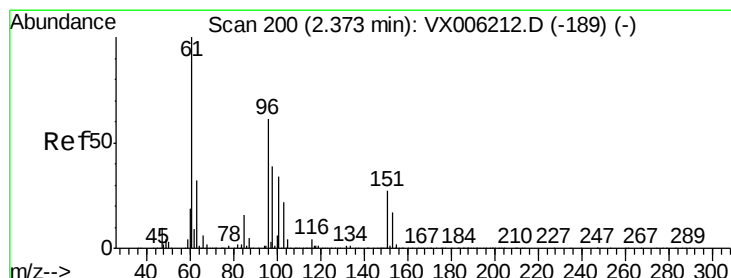
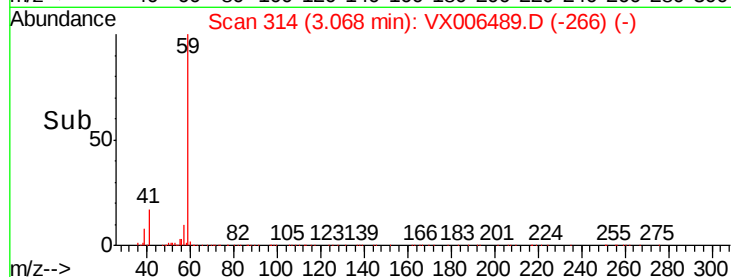
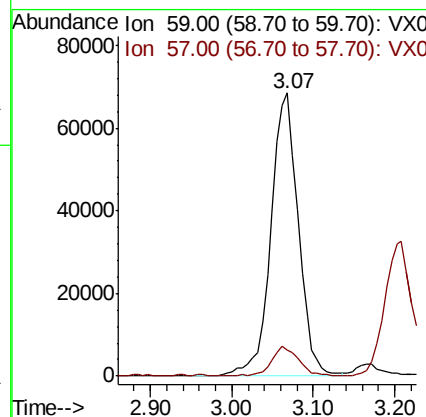
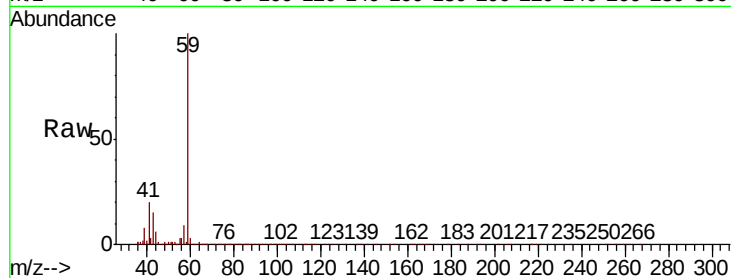
#11
Tert butyl alcohol
Concen: 107.377 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

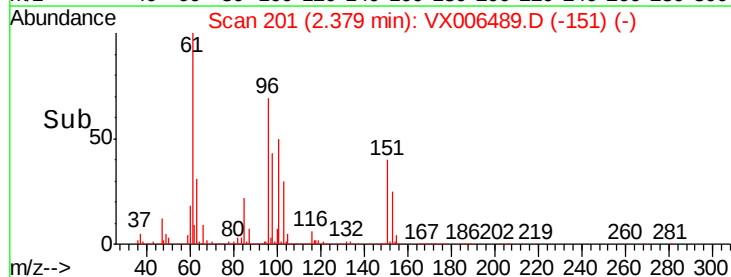
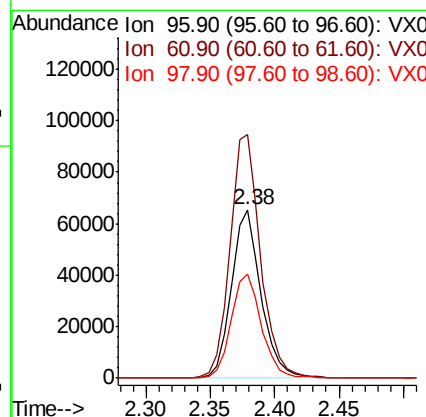
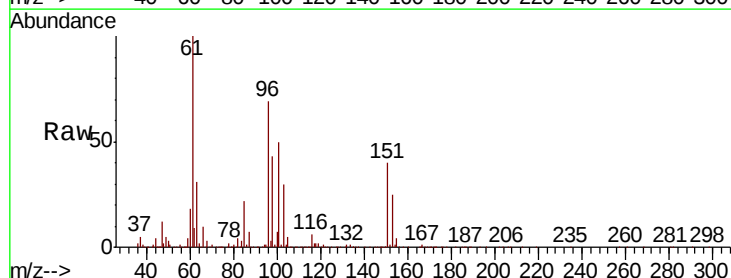
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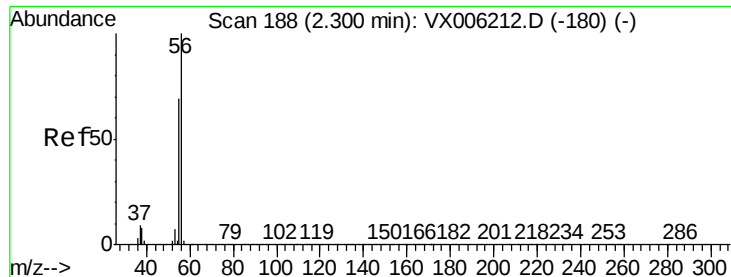
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.811 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.4	131.7	197.5
98	61.9	51.8	77.6





#13

Acrolein

Concen: 108.772 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 56 Resp: 88362

Ion Ratio Lower Upper

56 100

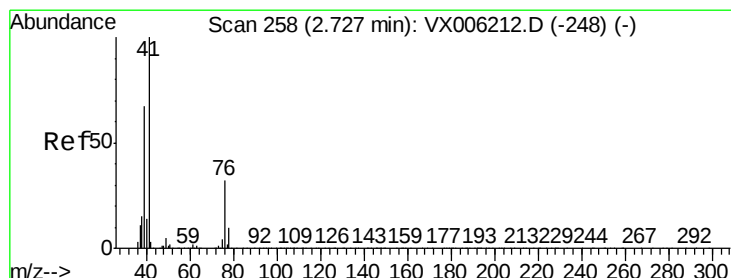
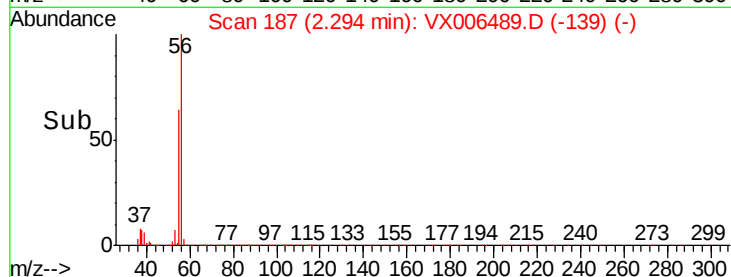
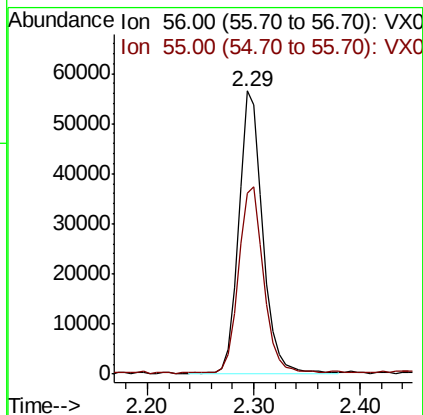
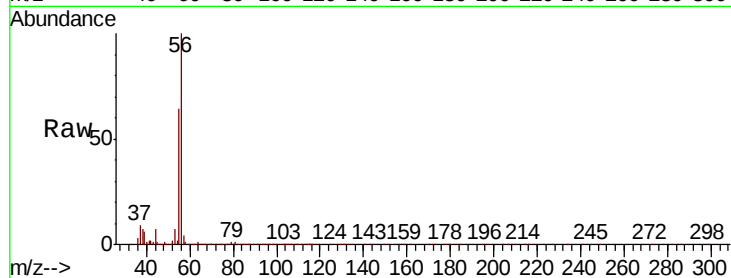
55 68.7 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.415 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

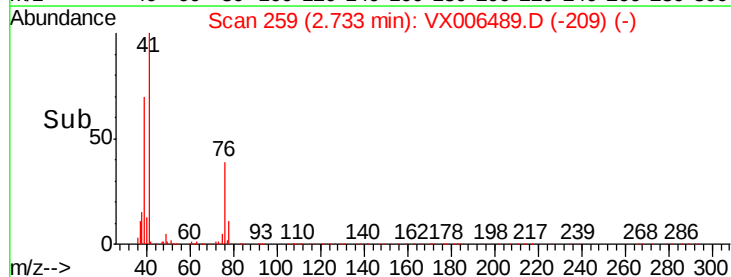
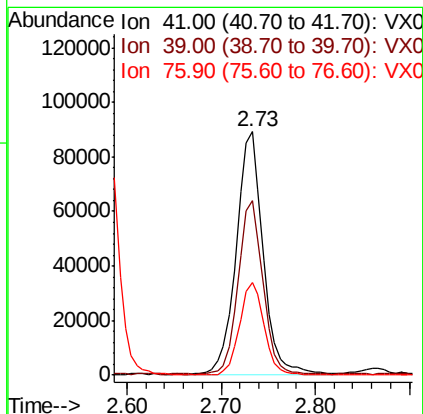
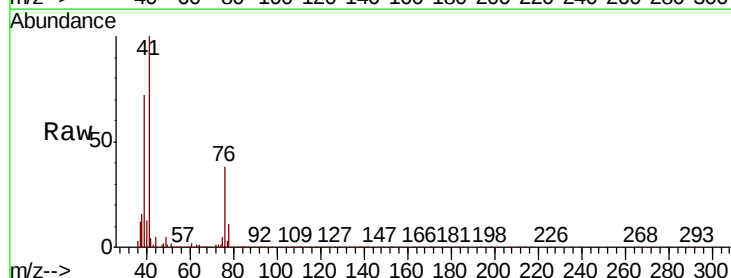
Tgt Ion: 41 Resp: 175240

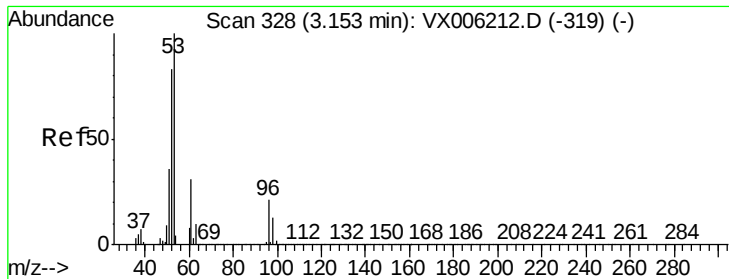
Ion Ratio Lower Upper

41 100

39 66.6 52.4 78.6

76 35.5 25.4 38.0





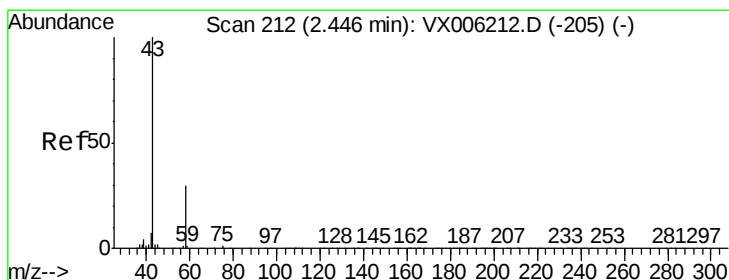
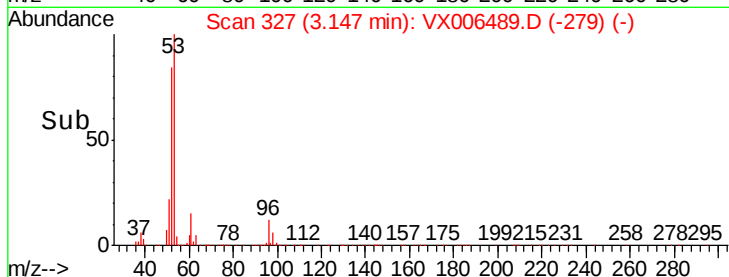
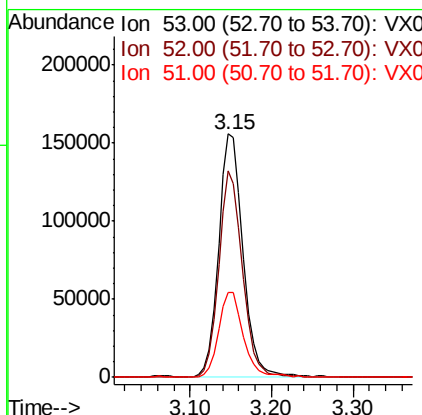
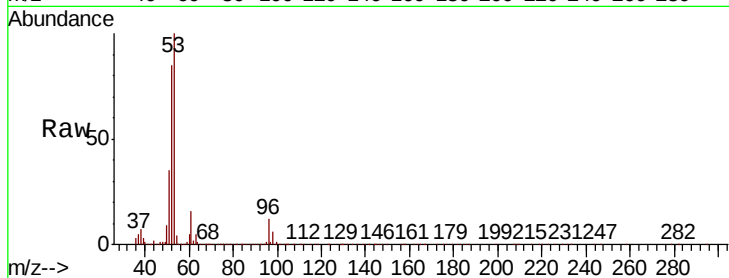
#15
 Acrylonitrile
 Concen: 103.992 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.4
51	35.8	28.7	43.1

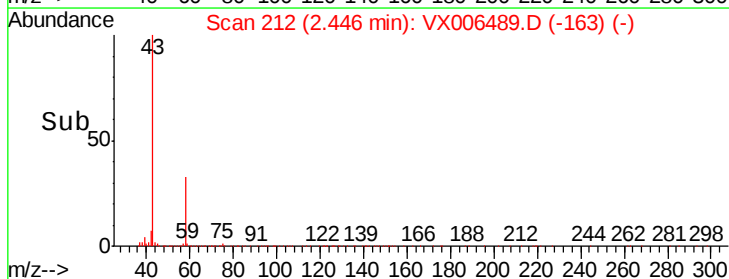
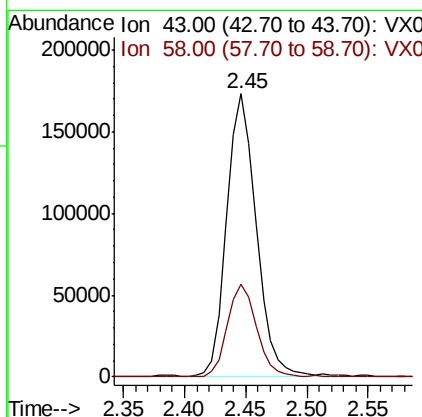
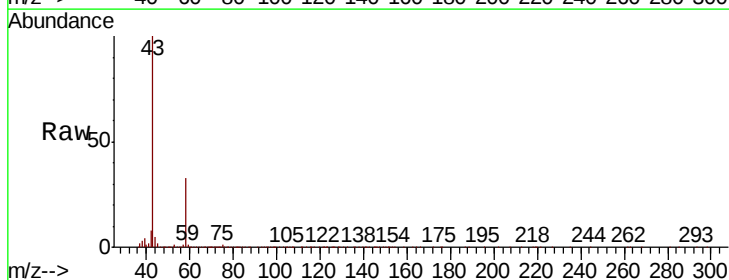
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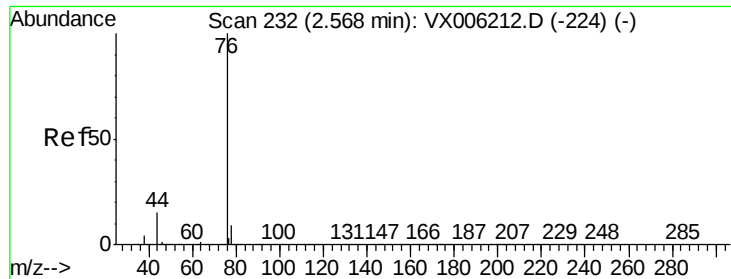
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#16
 Acetone
 Concen: 112.193 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.0	36.0





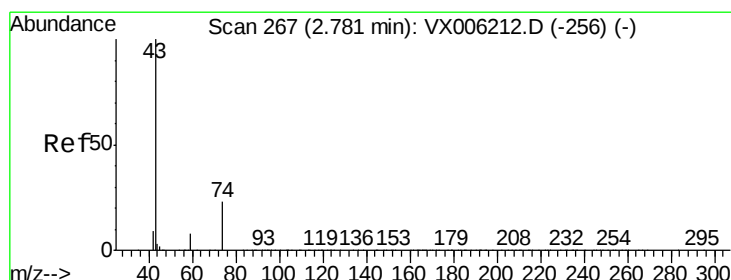
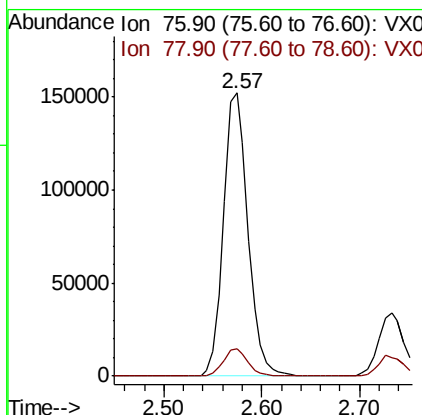
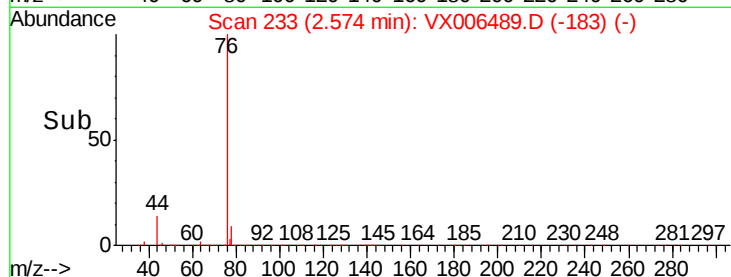
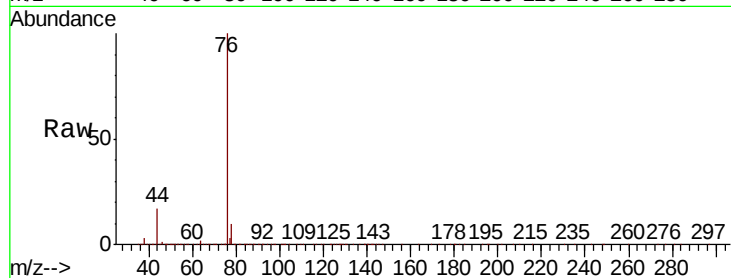
#17
Carbon Disulfide
Concen: 17.813 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

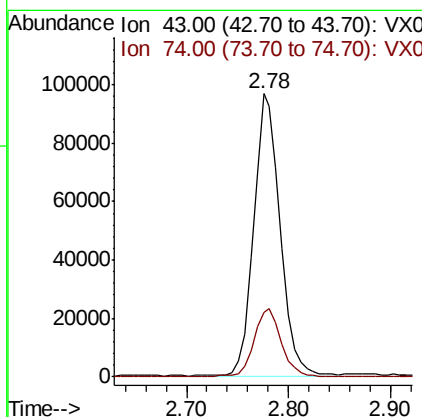
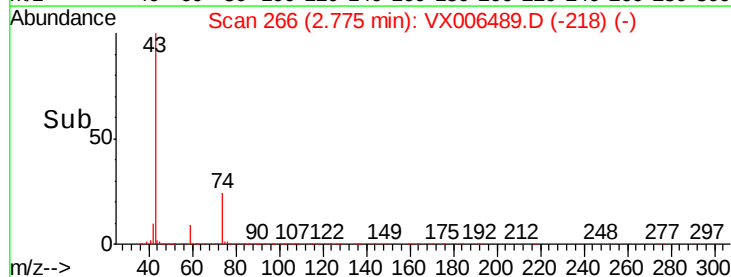
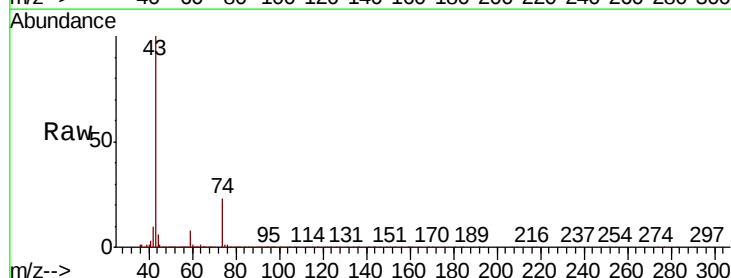
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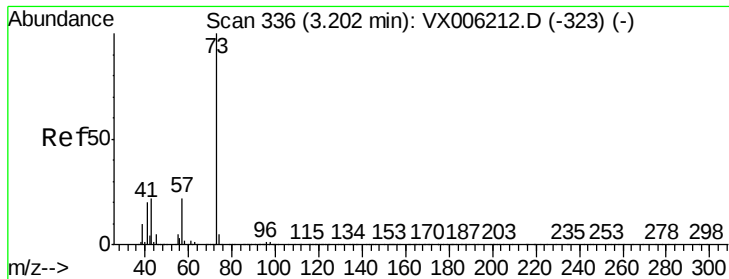
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#18
Methyl Acetate
Concen: 20.354 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	17.9	26.9





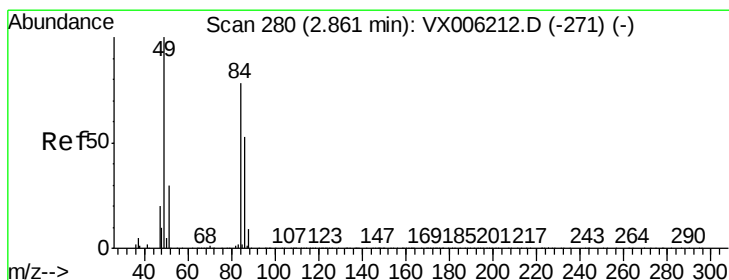
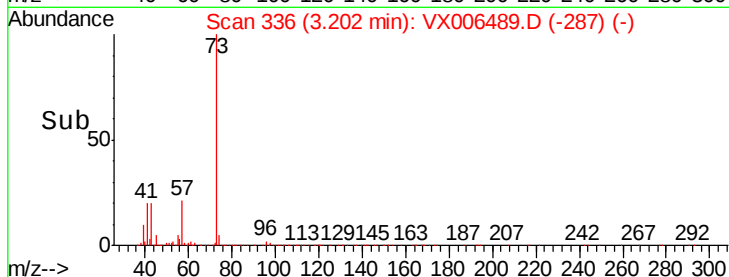
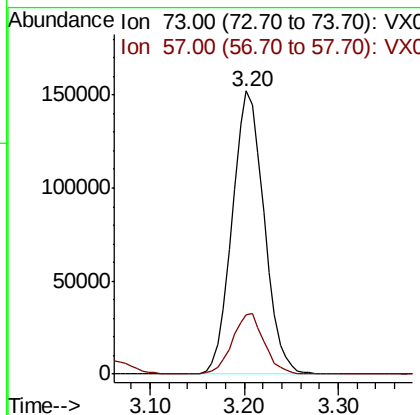
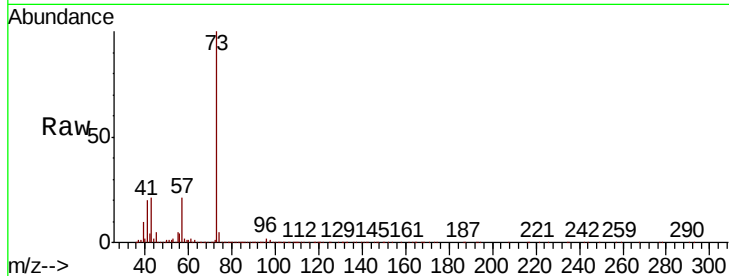
#19
Methvl tert-butvl Ether
Concen: 20.882 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.5	26.3

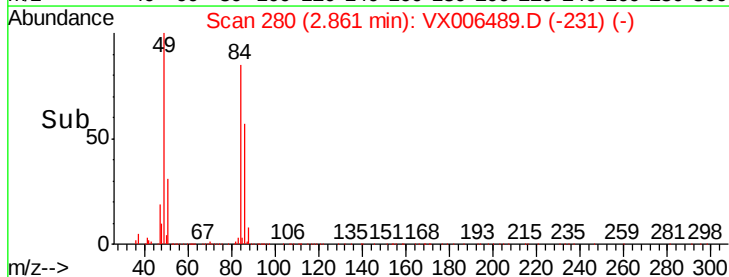
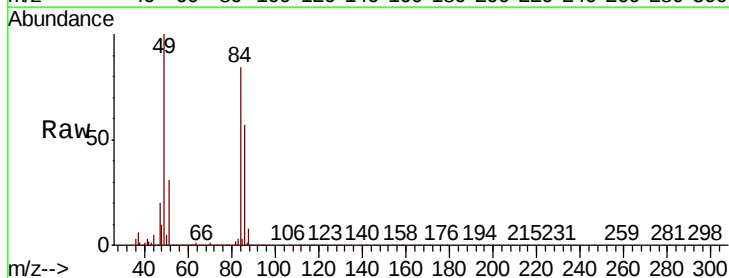
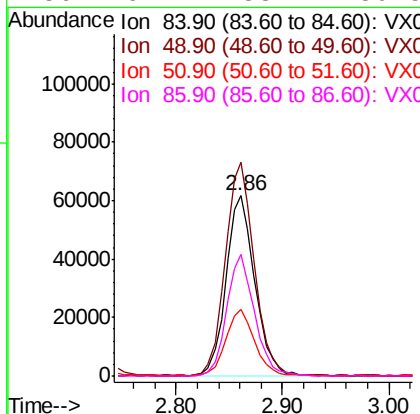
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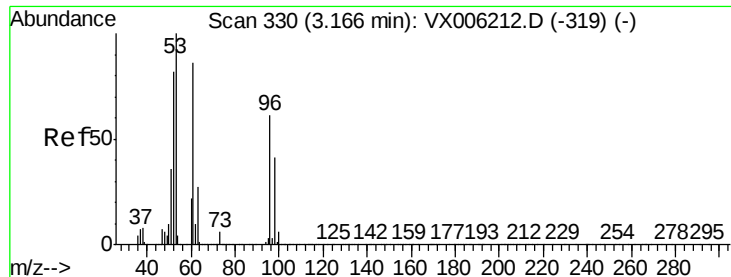
MMDadoda
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#20
Methylene Chloride
Concen: 21.457 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.4	102.2	153.4
51	36.9	31.1	46.7
86	67.2	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 21.707 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

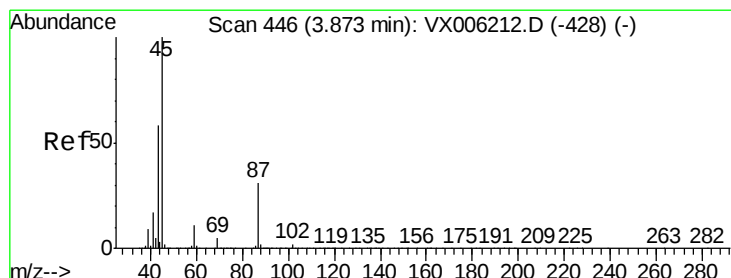
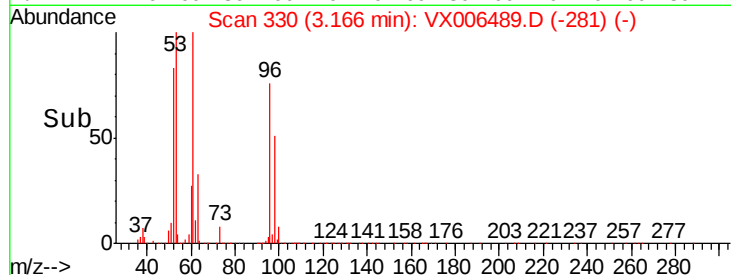
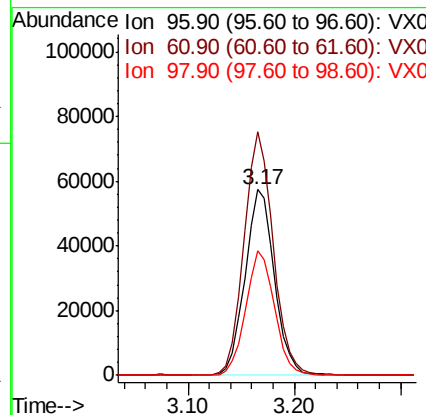
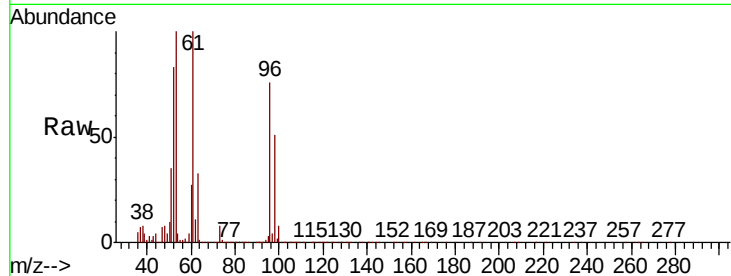
ClientSampleId :

VX1213WBS01

Tot Ion:	96	Resp:	111436
Ion Ratio	Lower	Upper	
96	100		
61	131.1	113.3	169.9
98	67.3	53.2	79.8

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#22

Diisopropyl ether

Concen: 21.569 ug/l

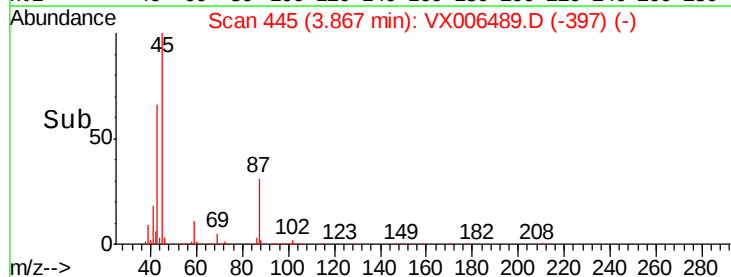
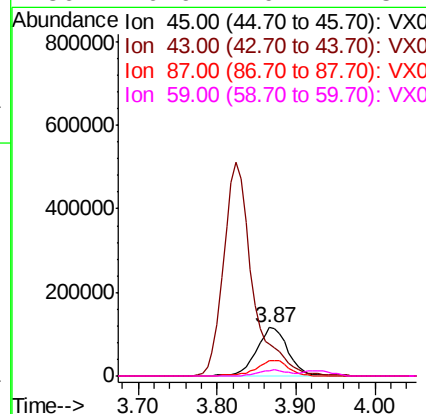
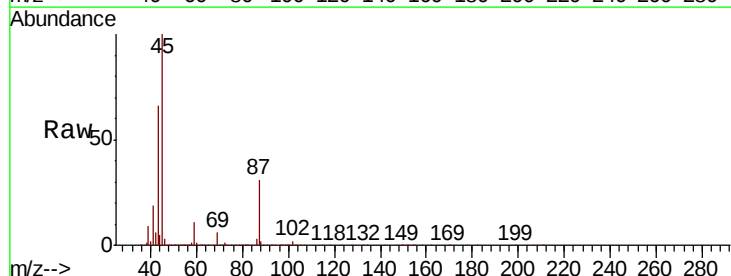
RT: 3.87 min Scan# 445

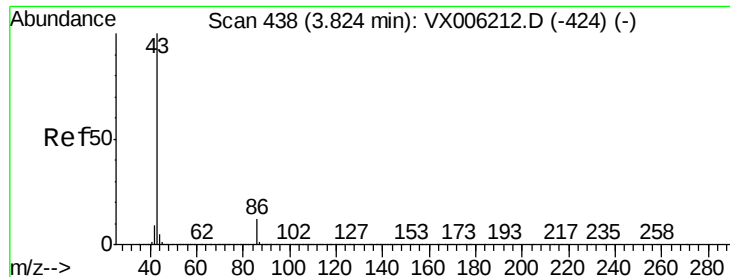
Delta R.T. -0.01 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Tgt Ion:	45	Resp:	320603
Ion Ratio	Lower	Upper	
45	100		
43	65.1	46.2	69.2
87	31.4	24.9	37.3
59	10.9	9.1	13.7





#23

Vinyl Acetate

Concen: 103.559 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 43 Resp: 1312893

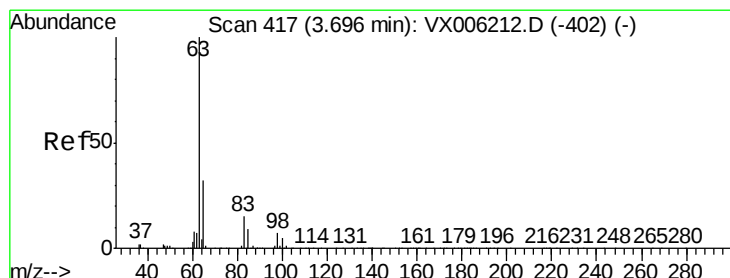
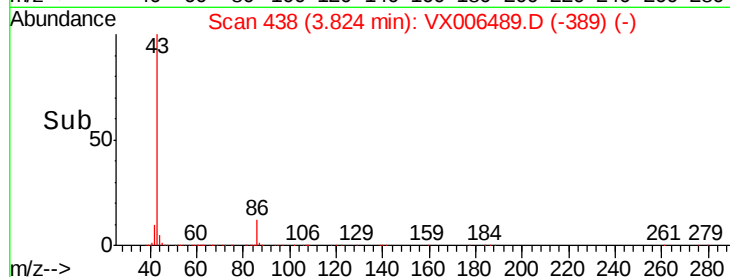
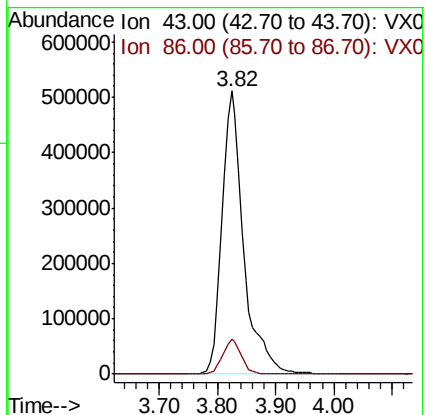
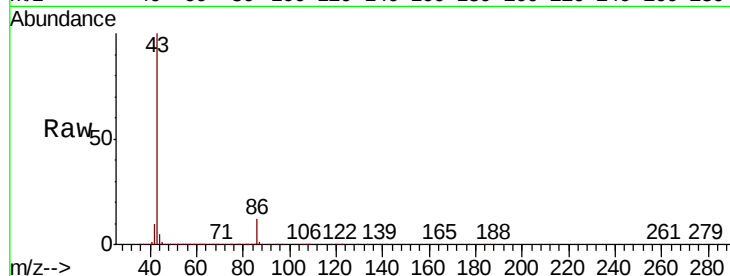
Ion Ratio Lower Upper

43 100

86 12.3 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 22.683 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

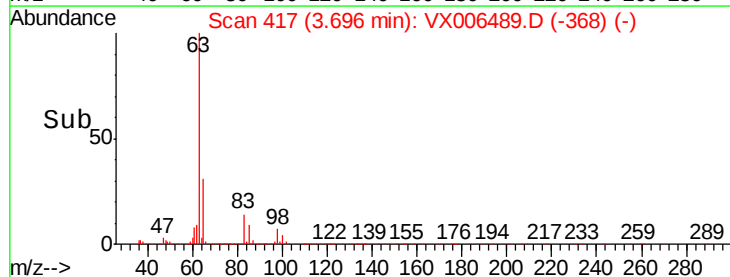
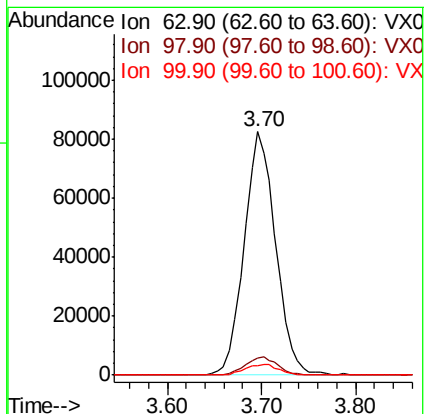
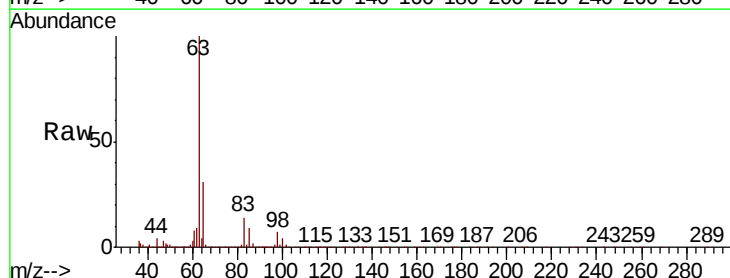
Tgt Ion: 63 Resp: 192712

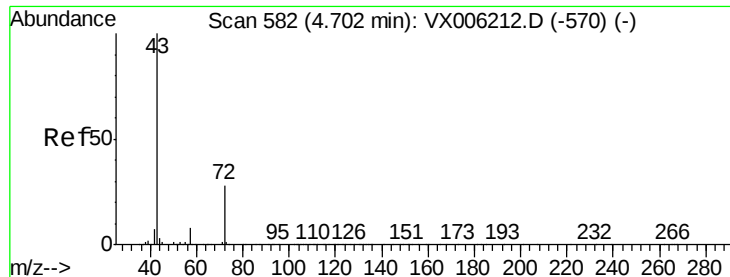
Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

100 3.8 2.5 7.4





#25

2-Butanone

Concen: 109.355 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 43 Resp: 397970

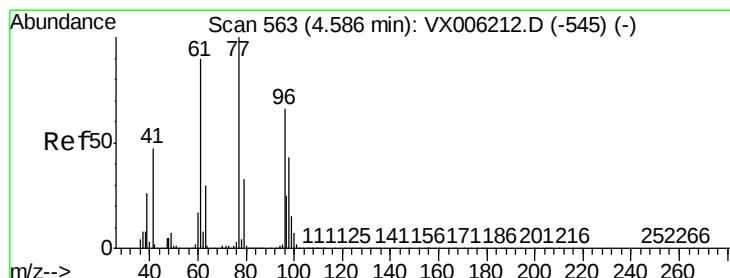
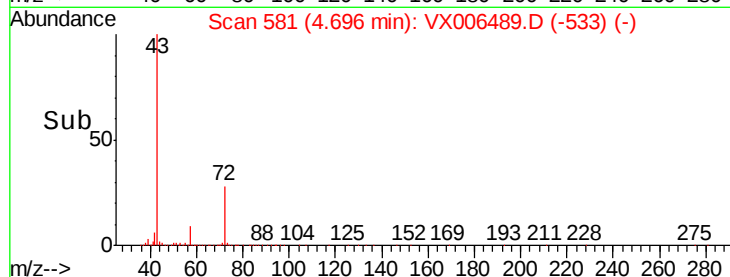
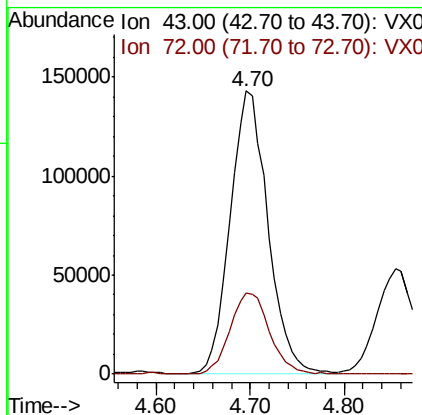
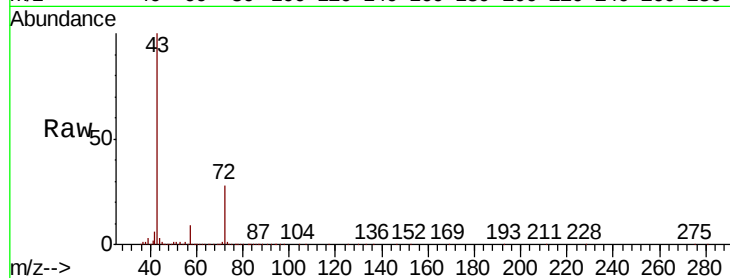
Ion Ratio Lower Upper

43 100

72 28.3 22.6 33.8

Manual Integrations
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12/14/2018 9:34:59 AM



#26

2,2-Dichloropropane

Concen: 19.972 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX006489.D

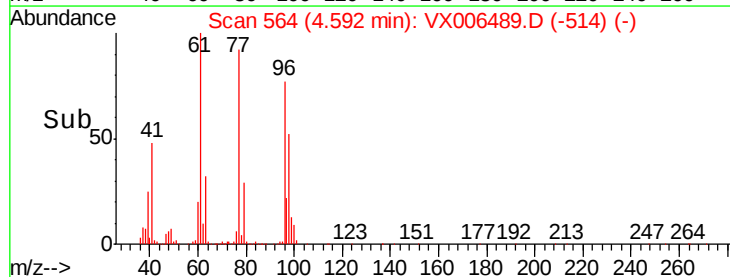
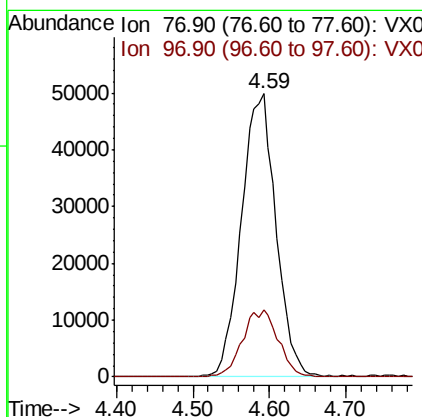
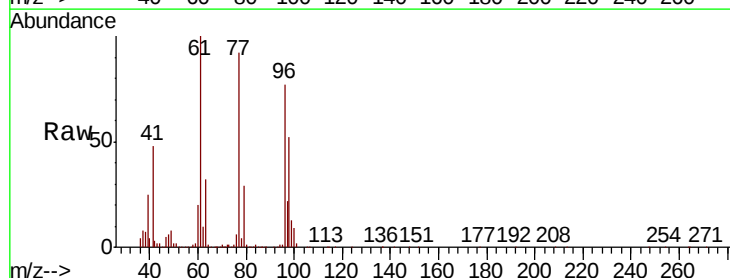
Acq: 13 Dec 2018 12:06

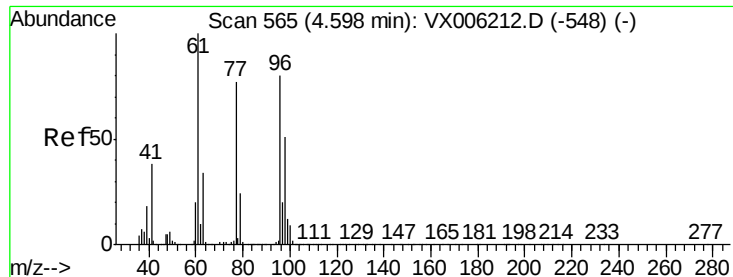
Tgt Ion: 77 Resp: 156598

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.8





#27

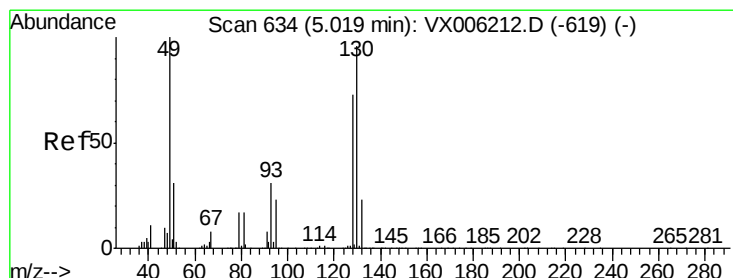
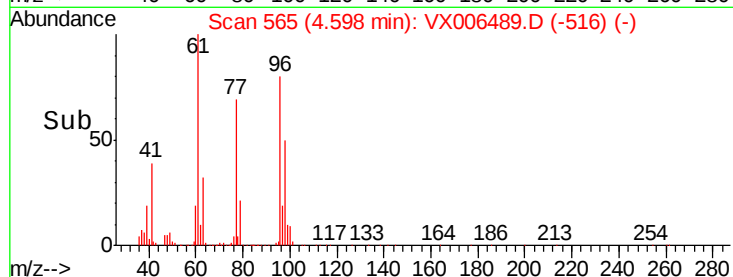
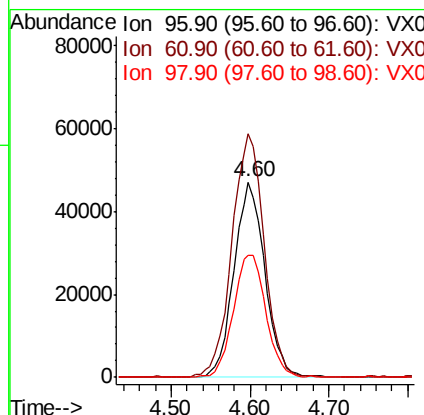
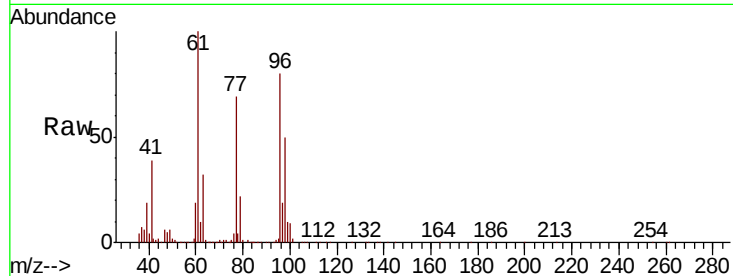
cis-1,2-Dichloroethene
Concen: 22.406 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	265.0
98	65.9	0.0	130.2

Manual Integrations
APPROVED

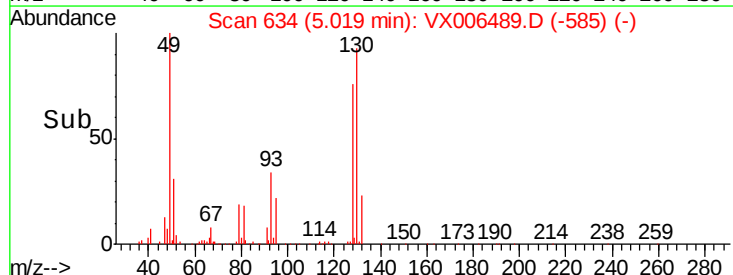
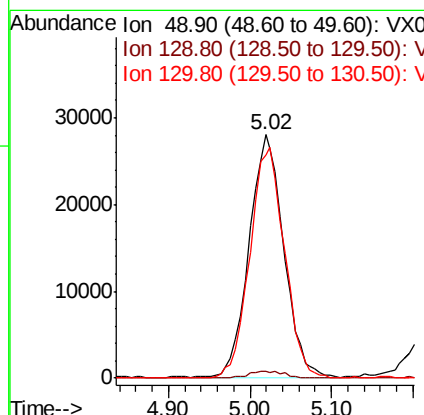
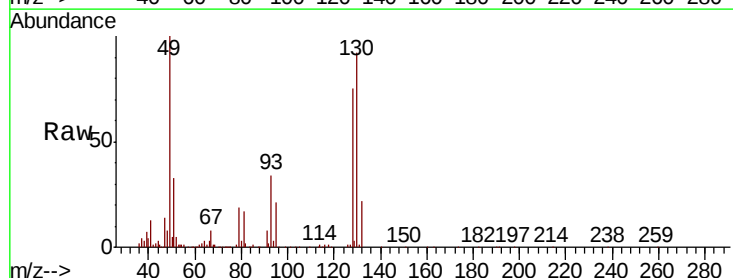
MMDadoda
12/14/2018 9:34:59 AM

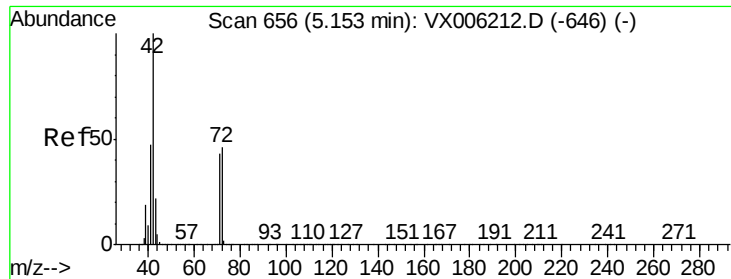


#28

Bromochloromethane
Concen: 22.252 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	95.6	78.3	117.5





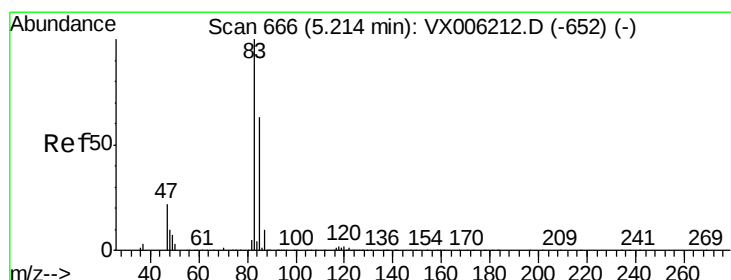
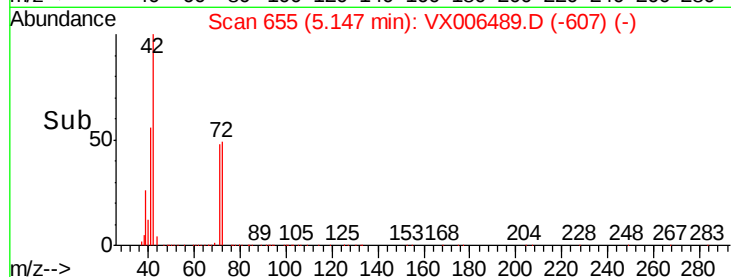
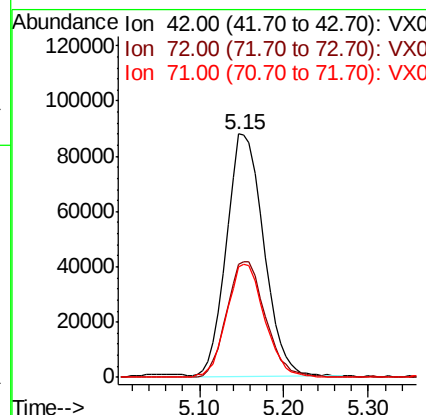
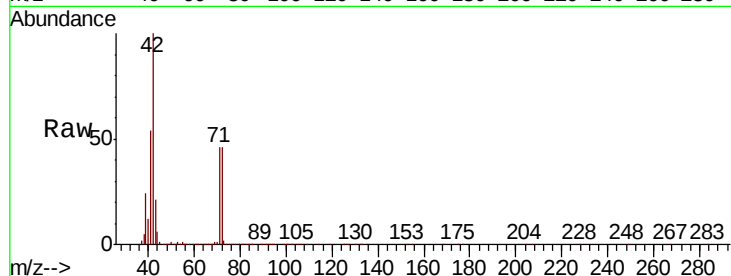
#29
Tetrahydrofuran
Concen: 104.614 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	37.8	56.8
71	46.9	35.2	52.8

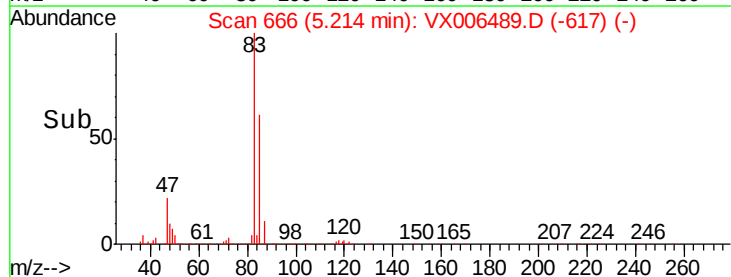
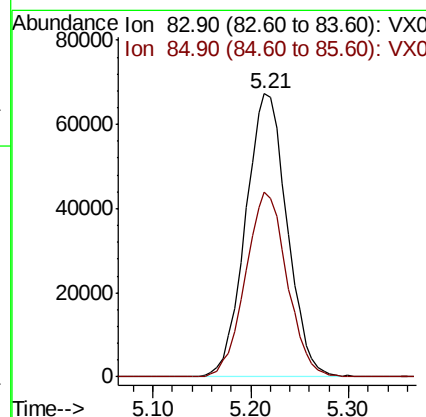
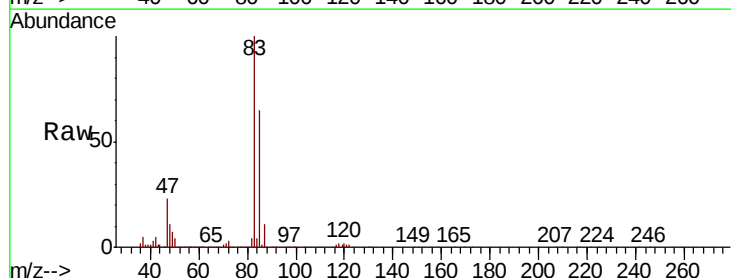
Manual Integrations
APPROVED

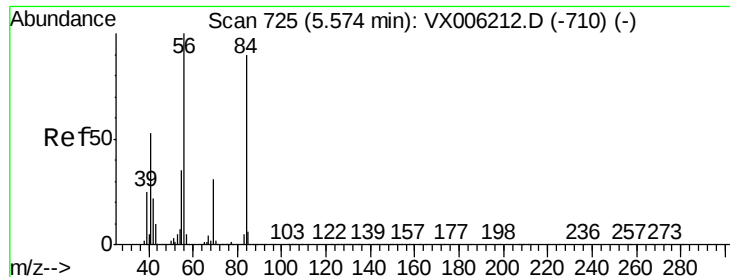
MMDadoda
12/14/2018 9:34:59 AM



#30
Chloroform
Concen: 22.234 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.3	75.5





#31

Cvclohexane

Concen: 22.161 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

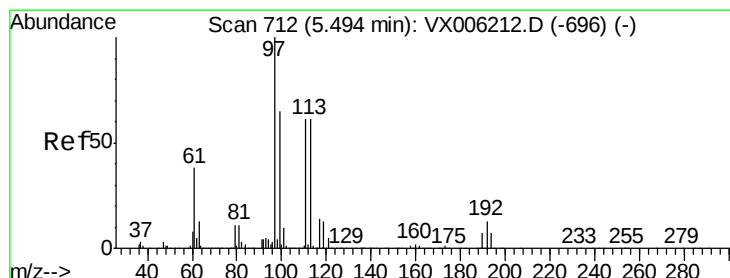
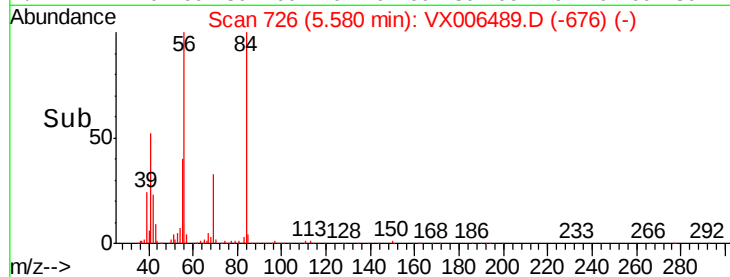
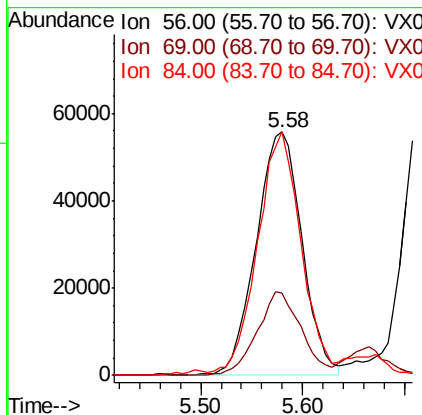
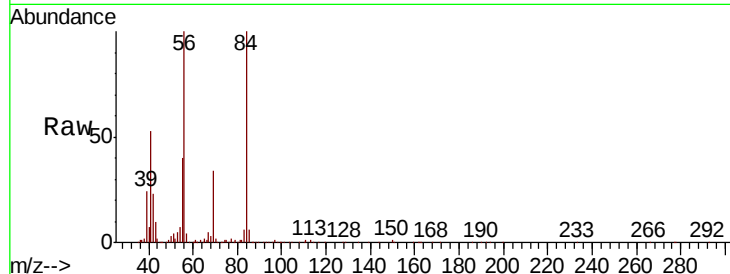
ClientSampleId :

VX1213WBS01

Tot Ion:	56	Resp:	173998
Ion Ratio	Lower	Upper	
56	100		
69	33.6	24.5	36.7
84	98.5	71.8	107.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.388 ug/l

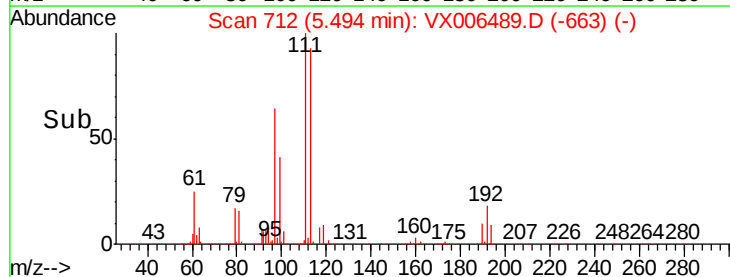
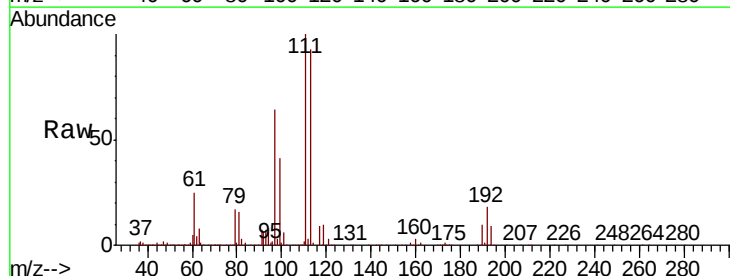
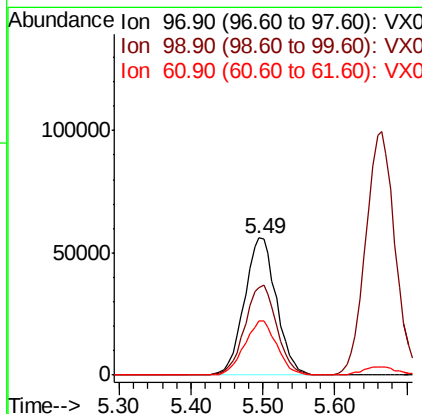
RT: 5.49 min Scan# 712

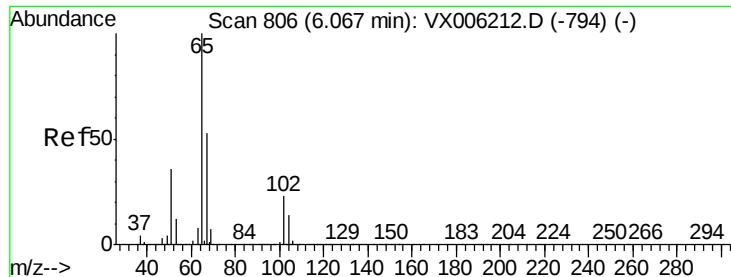
Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Tgt Ion:	97	Resp:	173189
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.6	77.4
61	40.0	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 53.034 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 65 Resp: 288229

Ion Ratio Lower Upper

65 100

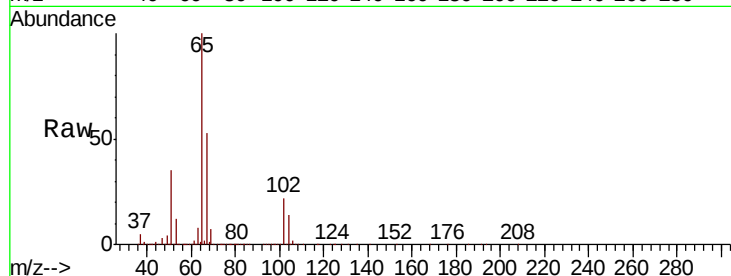
67 52.9 0.0 107.2

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

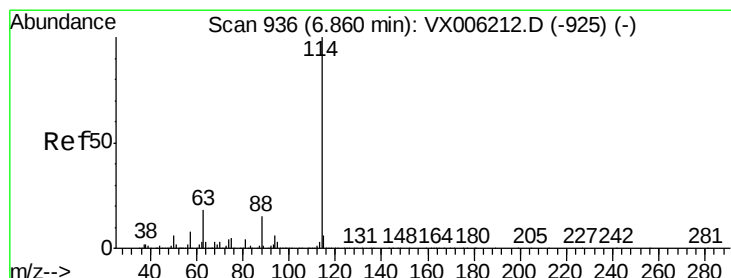
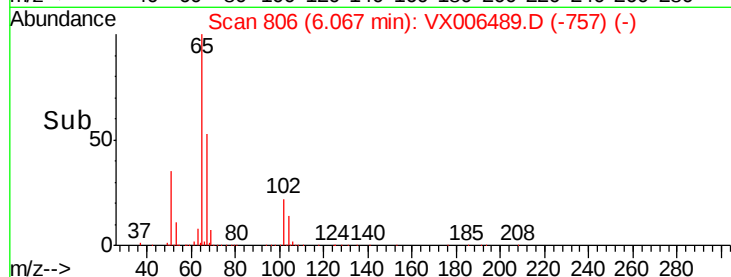
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

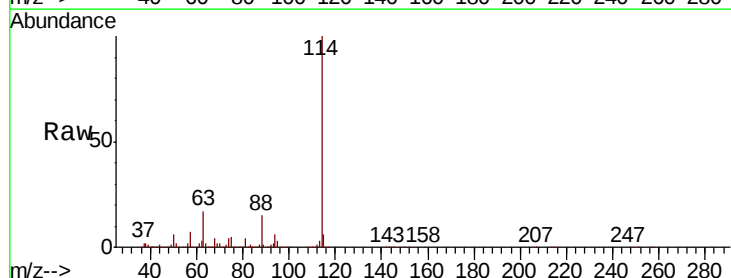
Tgt Ion: 114 Resp: 844736

Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.6

88 14.6 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

500000

400000

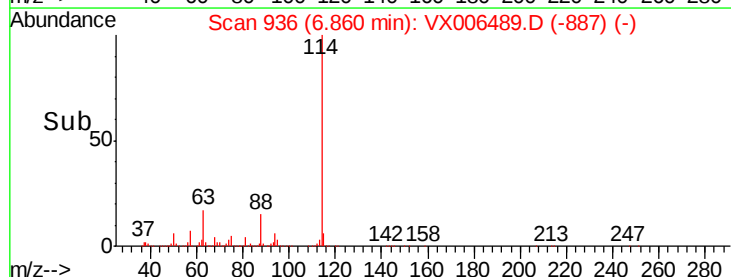
300000

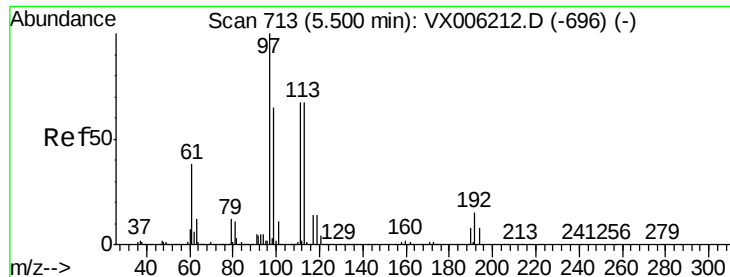
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.216 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

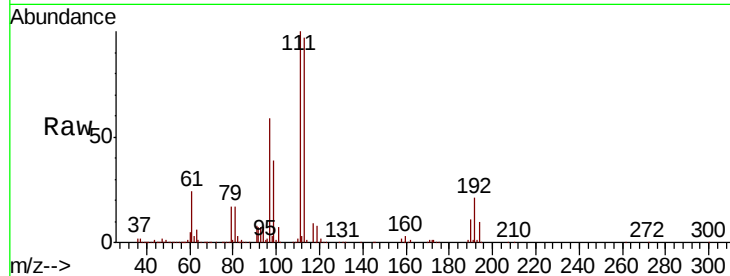
ClientSampleId :

VX1213WBS01

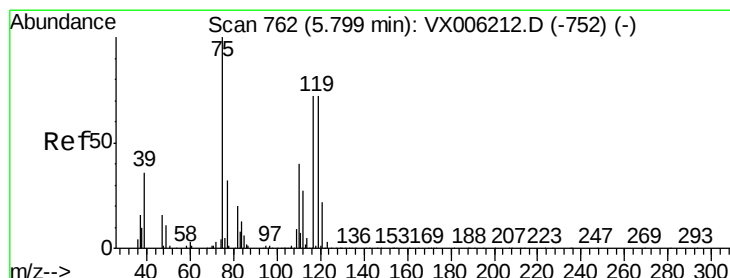
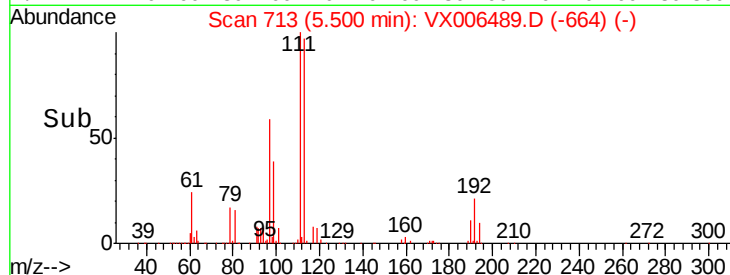
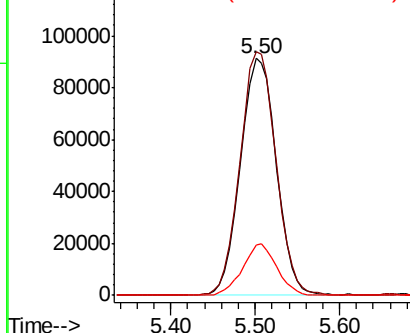
Tot Ion:	113	Resp:	263707
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.1	121.7
192	20.8	18.2	27.2

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.469 ug/l

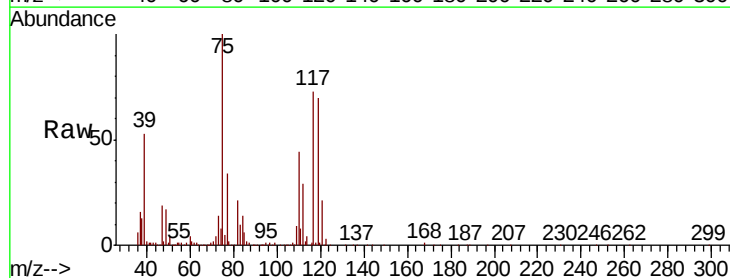
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

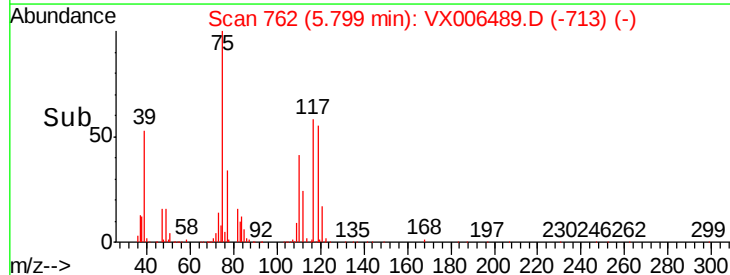
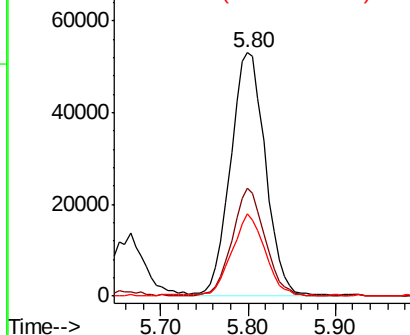
Lab File: VX006489.D

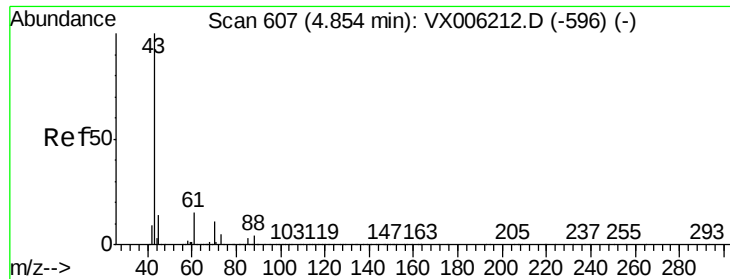
Acq: 13 Dec 2018 12:06

Tgt Ion:	75	Resp:	145604
Ion Ratio	Lower	Upper	
75	100		
110	41.9	20.4	61.3
77	31.8	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





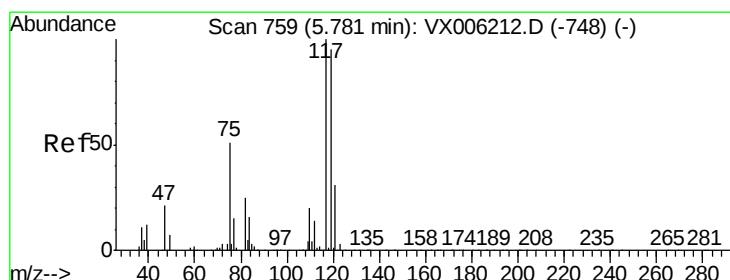
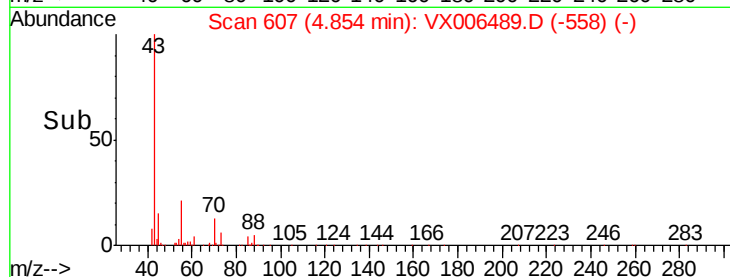
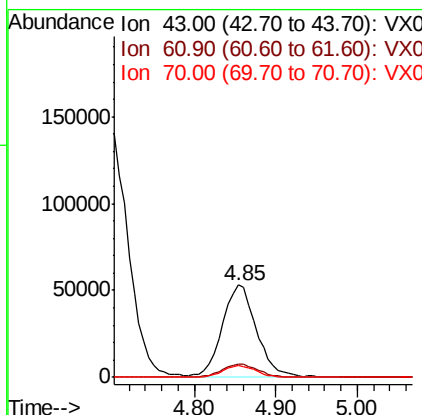
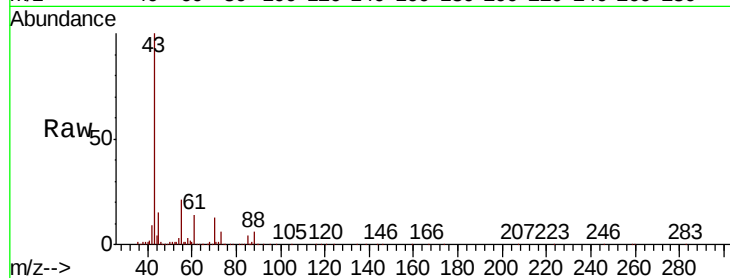
#37
Ethyl Acetate
Concen: 19.102 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion:	43	Resp:	152170
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.5	17.3
70	12.5	9.0	13.6

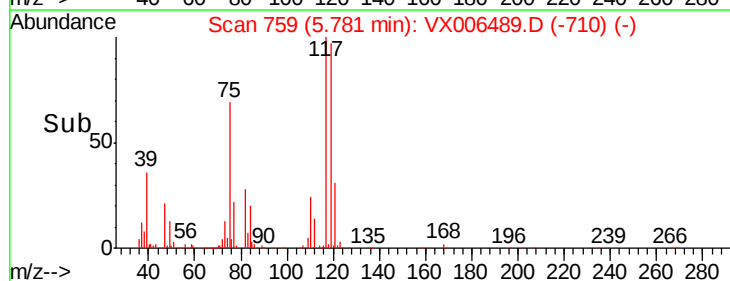
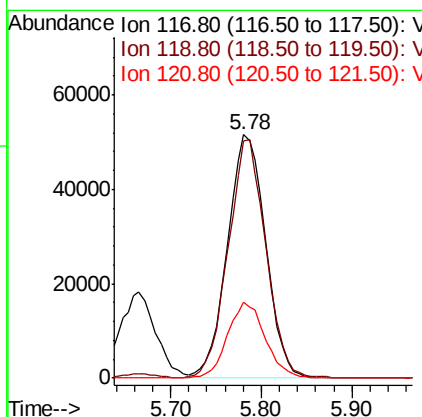
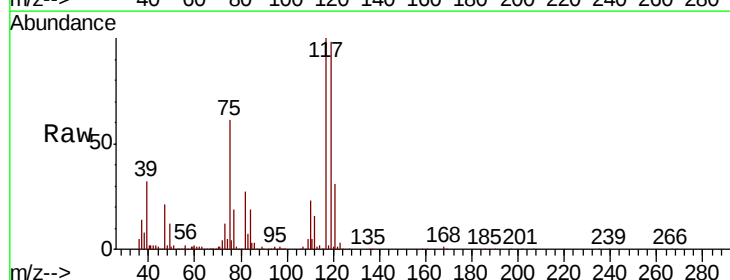
Manual Integrations
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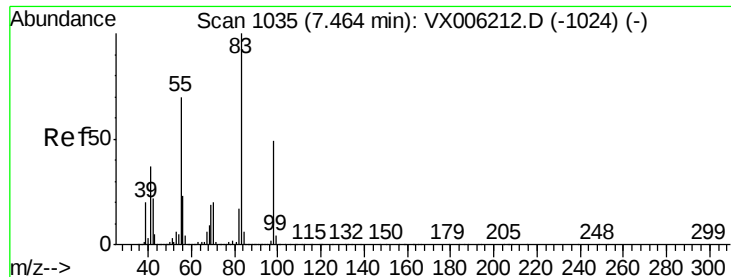
MMDadoda
12/14/2018 9:34:59 AM



#38
Carbon Tetrachloride
Concen: 17.939 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion:	117	Resp:	150125
Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.8	113.8
121	31.0	24.6	37.0





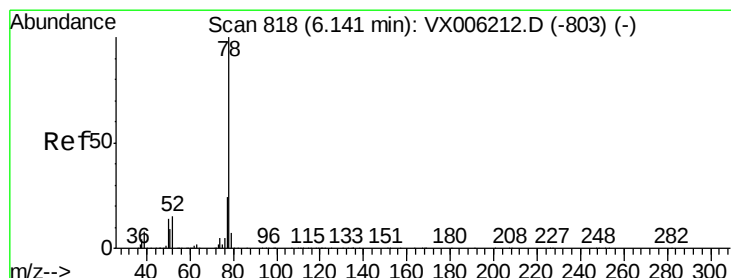
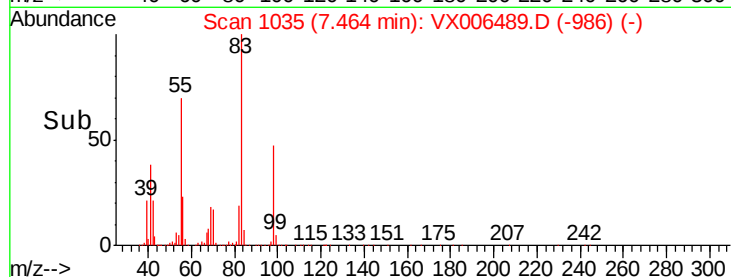
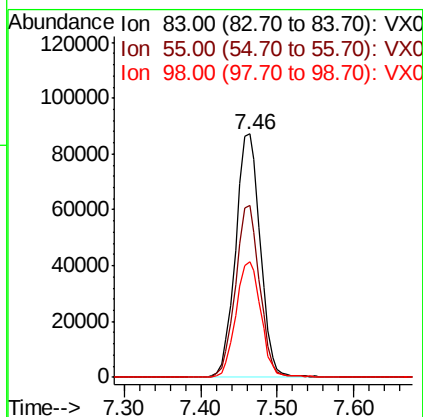
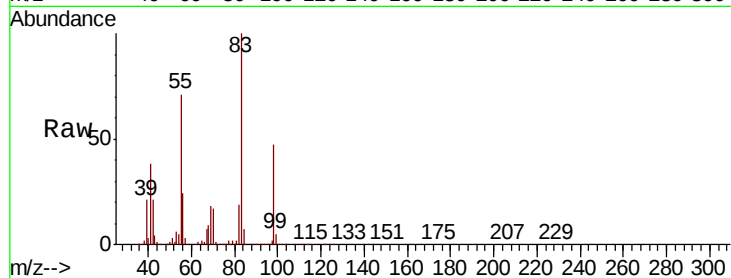
#39
Methvlcvclohexane
Concen: 21.113 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	56.4	84.6
98	47.4	39.0	58.6

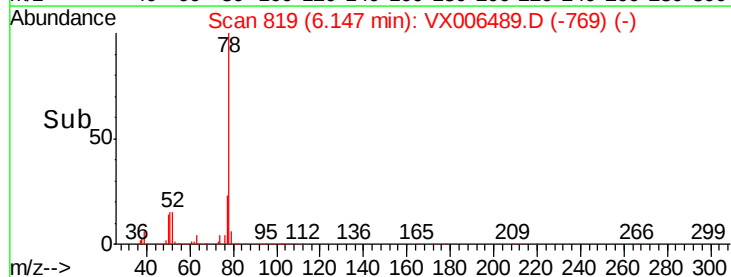
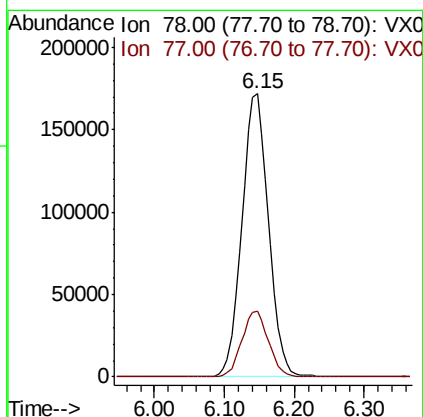
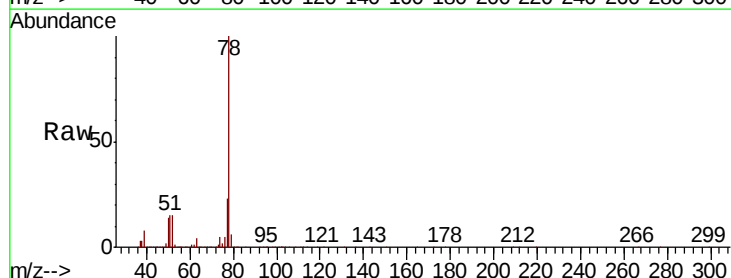
Manual Integrations
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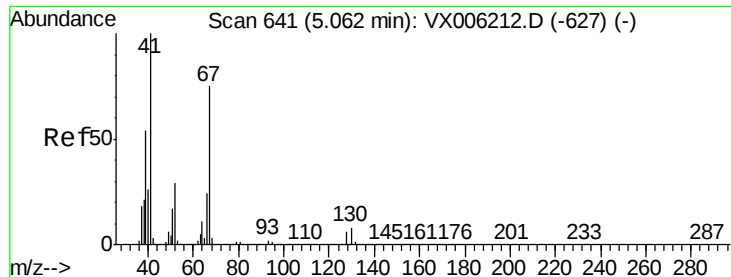
MMDadoda
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#40
Benzene
Concen: 21.313 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 19.052 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

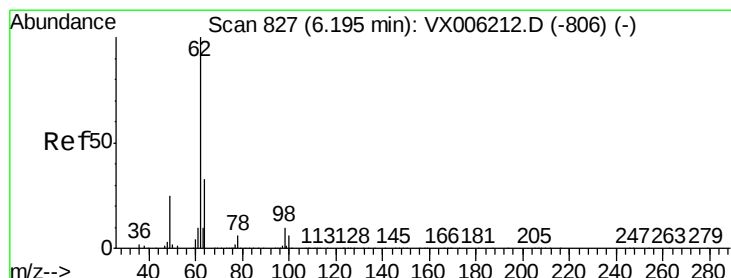
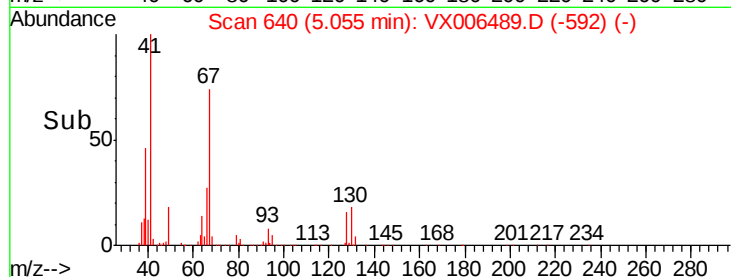
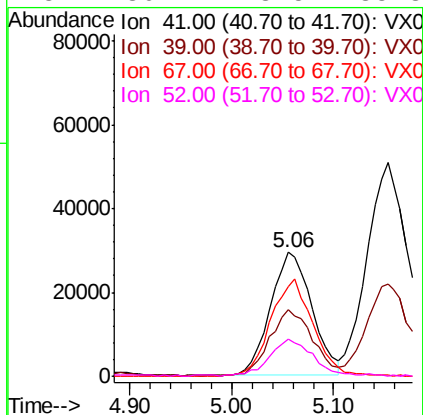
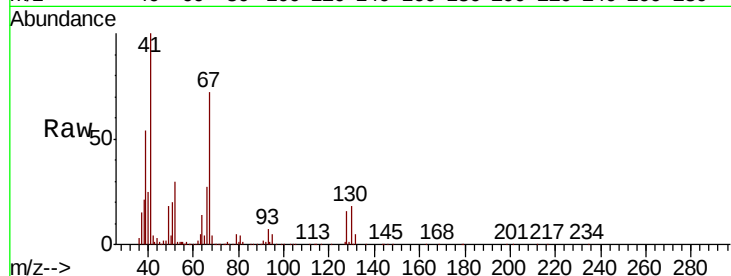
ClientSampleId :

VX1213WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	44.0	66.0
67	80.1	61.4	92.0
52	30.2	23.5	35.3

Manual Integrations
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12/14/2018 9:34:59 AM



#42

1,2-Dichloroethane

Concen: 21.622 ug/l

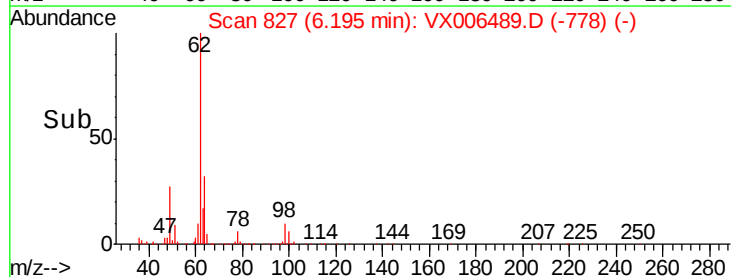
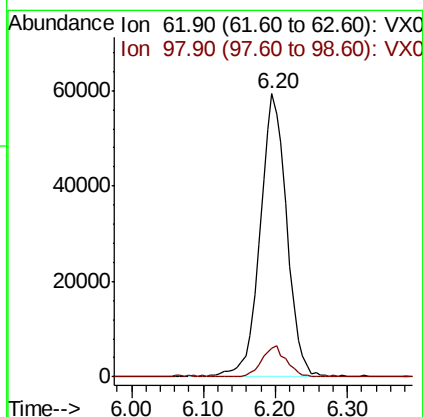
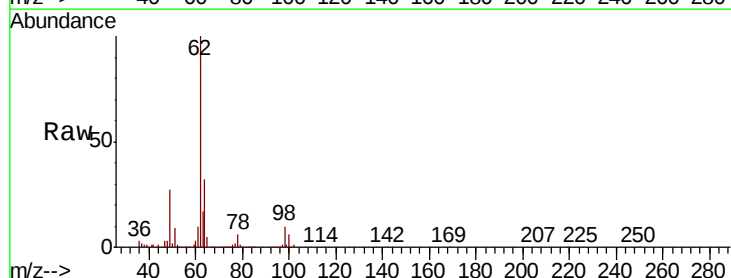
RT: 6.20 min Scan# 827

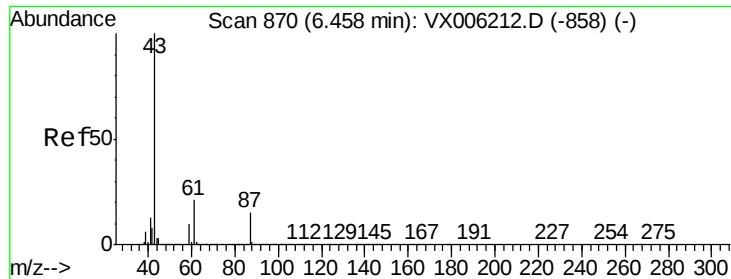
Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2





#43

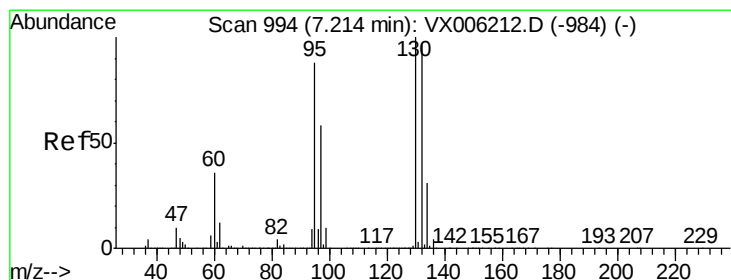
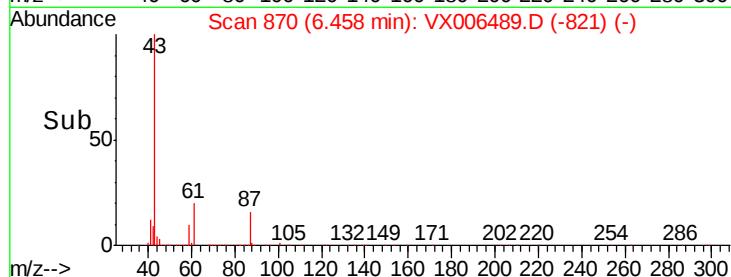
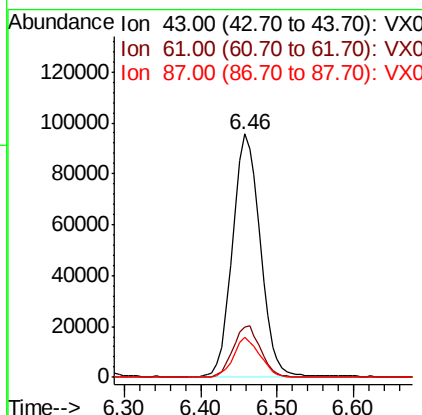
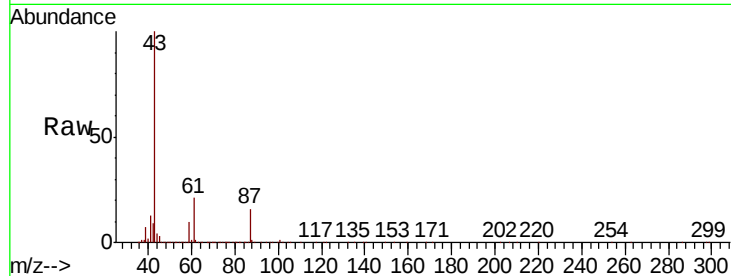
Isopropyl Acetate
 Concen: 18.070 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.8	25.2
87	15.8	11.9	17.9

Manual Integrations
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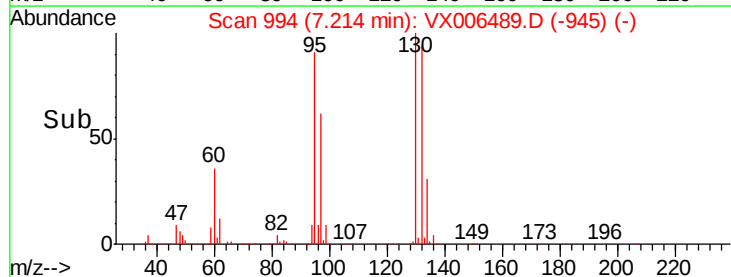
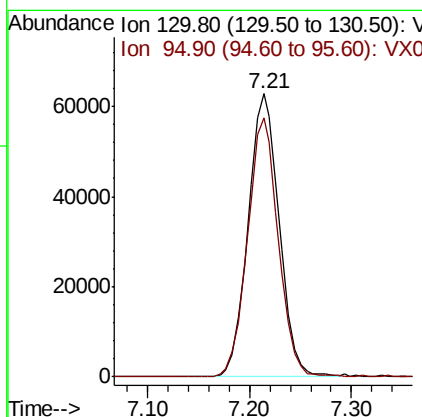
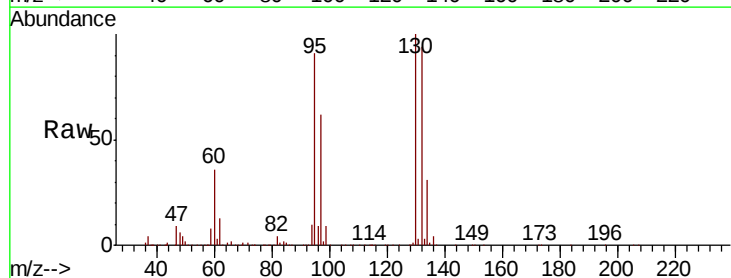
MMDadoda
 12/14/2018 9:34:59 AM

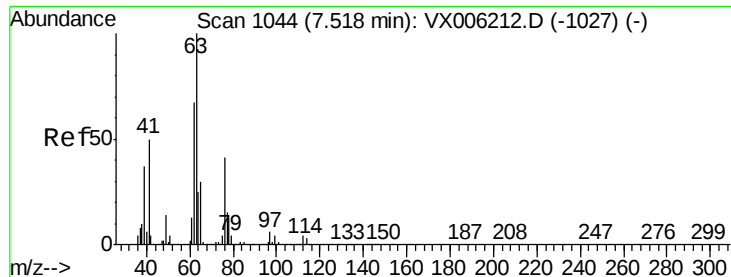


#44

Trichloroethene
 Concen: 20.584 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	175.8





#45

1,2-Dichloropropane

Concen: 20.241 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 63 Resp: 109602

Ion Ratio Lower Upper

63 100

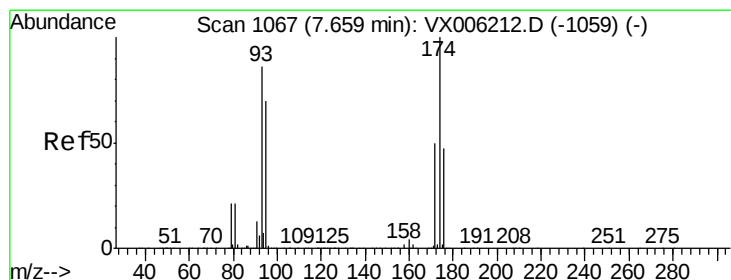
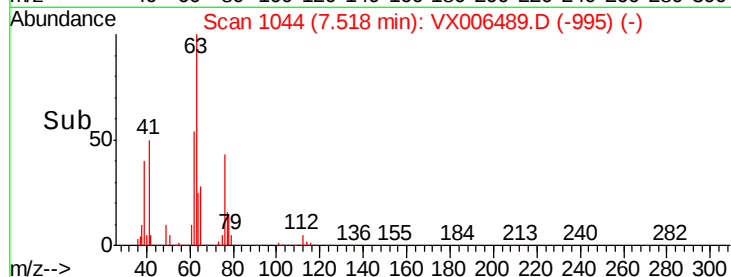
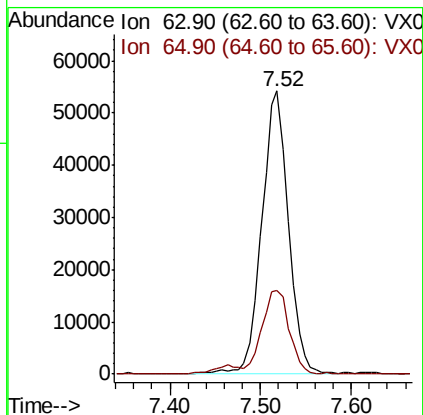
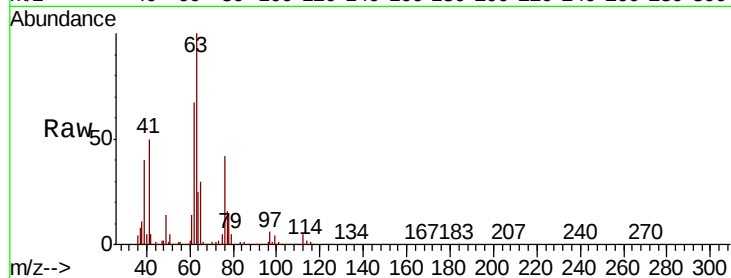
65 29.3 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 20.386 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

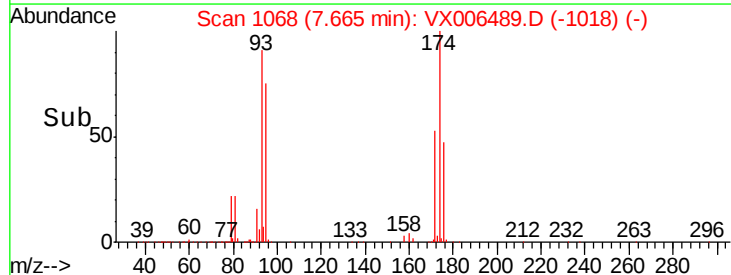
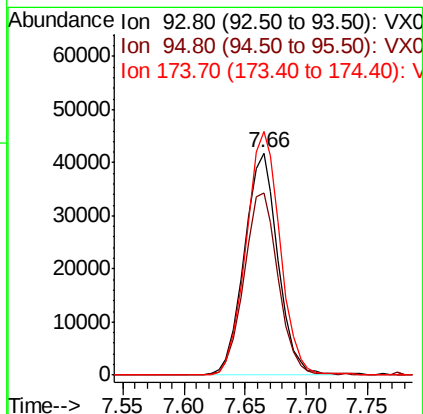
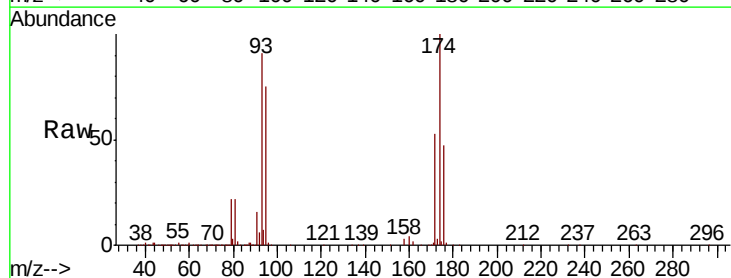
Tgt Ion: 93 Resp: 79726

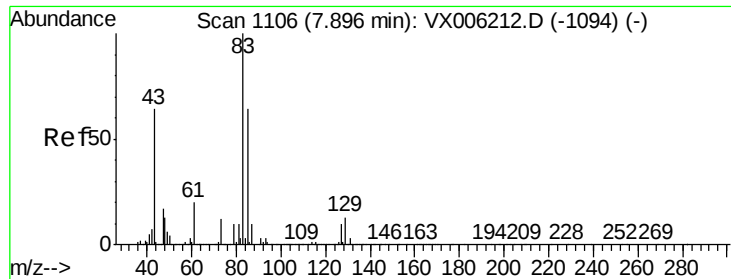
Ion Ratio Lower Upper

93 100

95 83.6 66.2 99.4

174 111.6 97.2 145.8





#47

Bromodichloromethane

Concen: 17.911 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

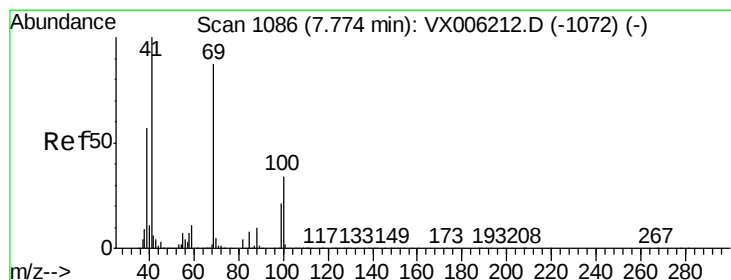
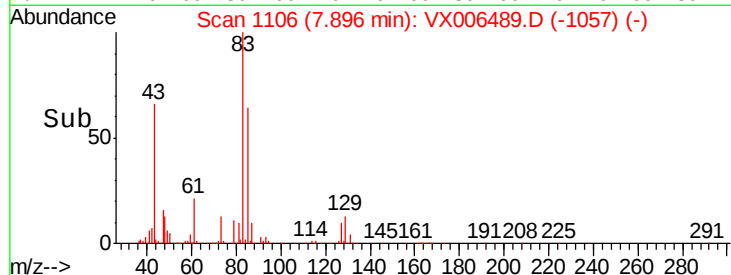
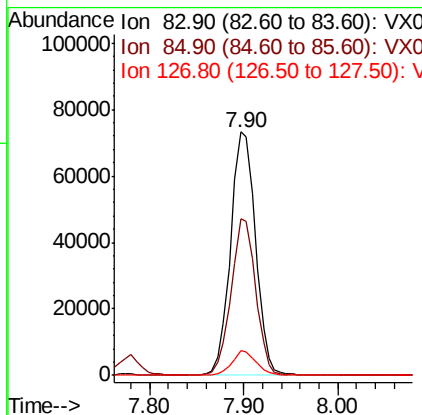
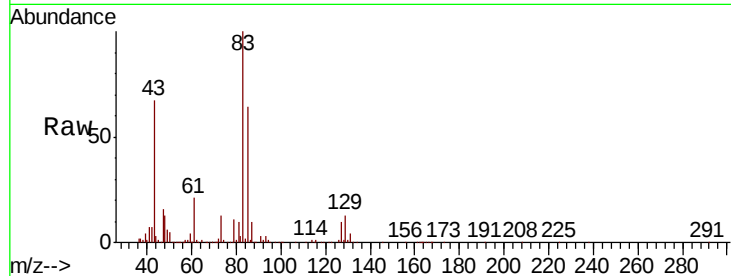
ClientSampleId :

VX1213WBS01

Tot Ion:	83	Resp:	135644
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.4	77.0
127	10.1	7.9	11.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.772 ug/l

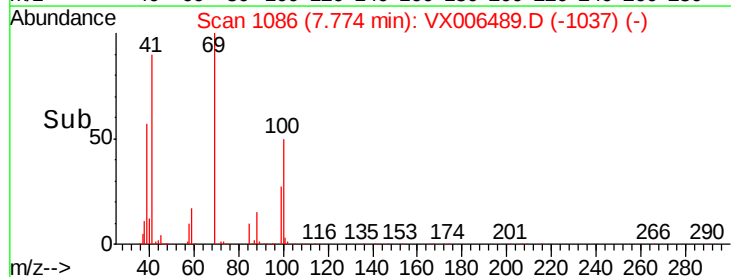
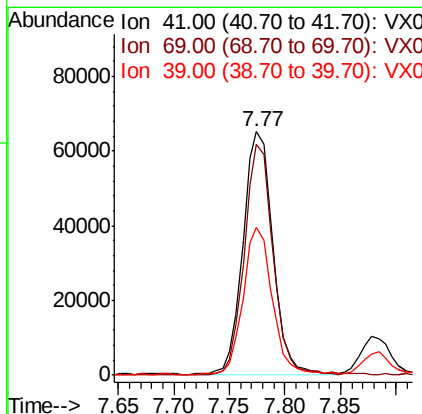
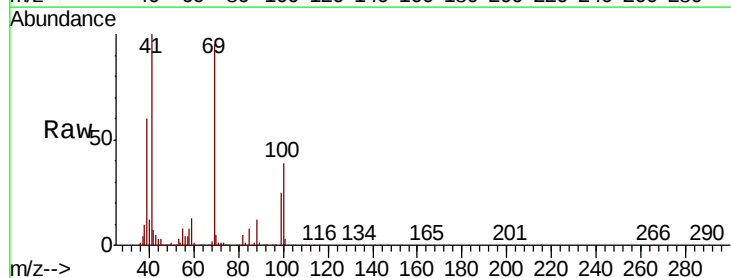
RT: 7.77 min Scan# 1086

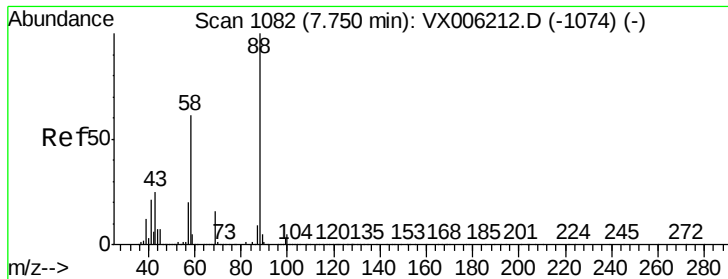
Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Tgt Ion:	41	Resp:	121294
Ion Ratio	Lower	Upper	
41	100		
69	91.1	70.3	105.5
39	59.4	45.3	67.9





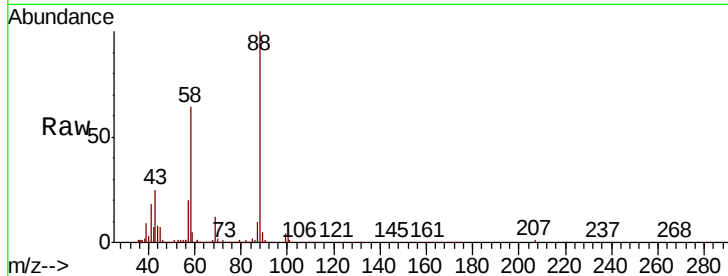
#49
1,4-Dioxane
Concen: 443.423 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	23.2	34.8
58	64.4	51.4	77.0

Manual Integrations
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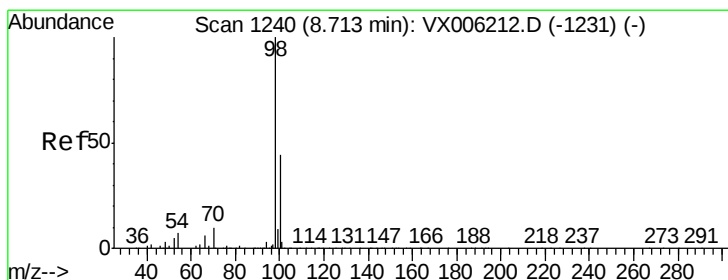
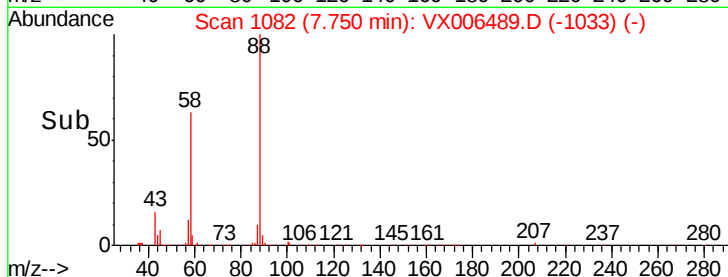
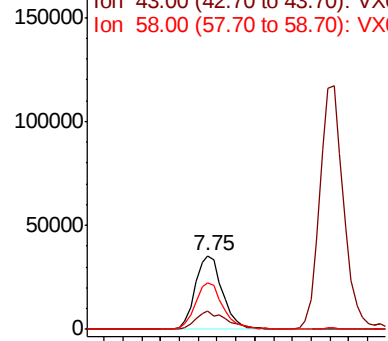


Abundance

Ion 88.00 (87.70 to 88.70): VX0

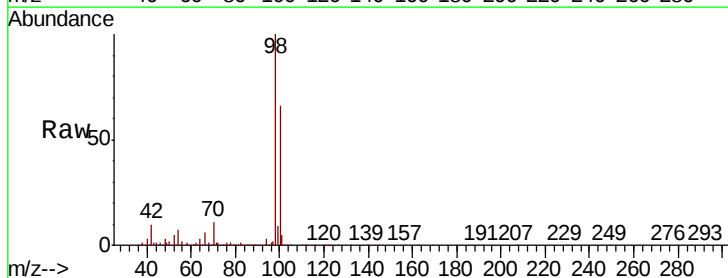
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.025 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

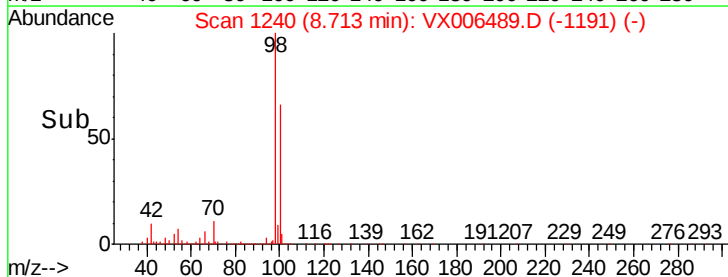
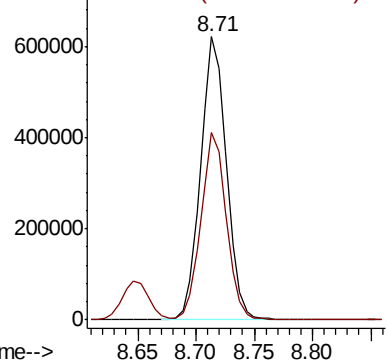
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2

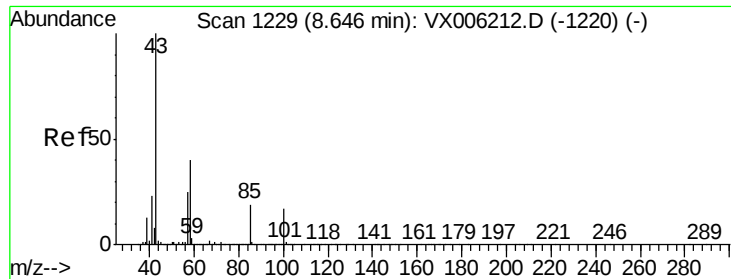


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 100.045 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 43 Resp: 773556

Ion Ratio Lower Upper

43 100

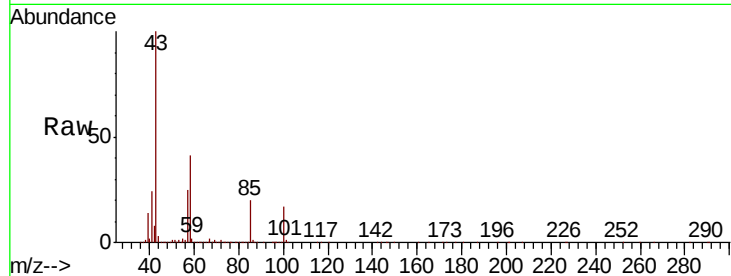
58 40.5 31.3 46.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

500000

400000

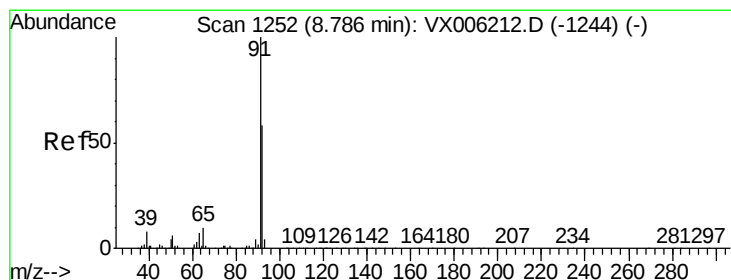
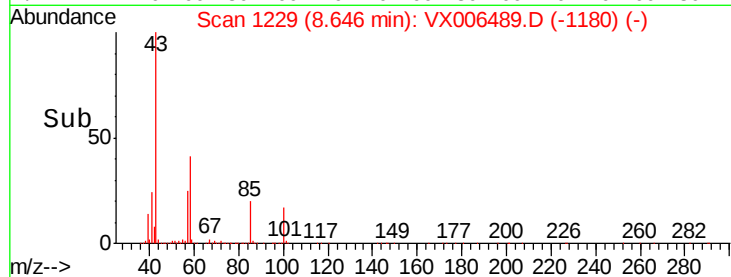
300000

200000

100000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 21.407 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006489.D

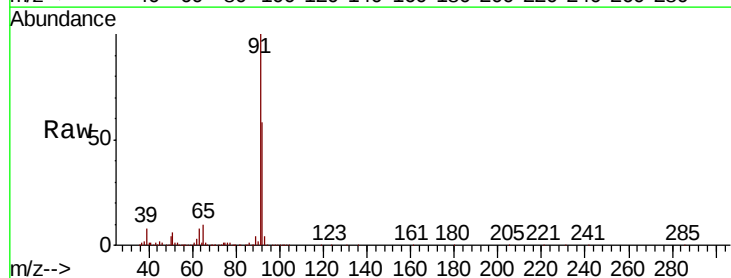
Acq: 13 Dec 2018 12:06

Tgt Ion: 92 Resp: 300058

Ion Ratio Lower Upper

92 100

91 170.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

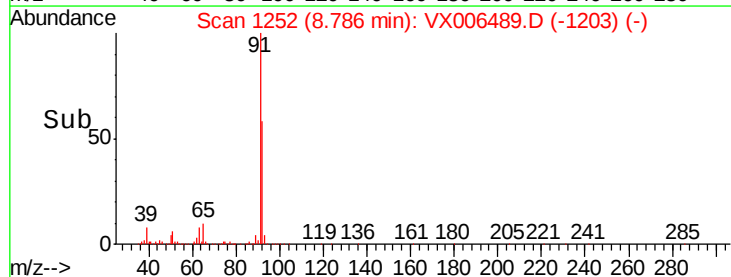
300000

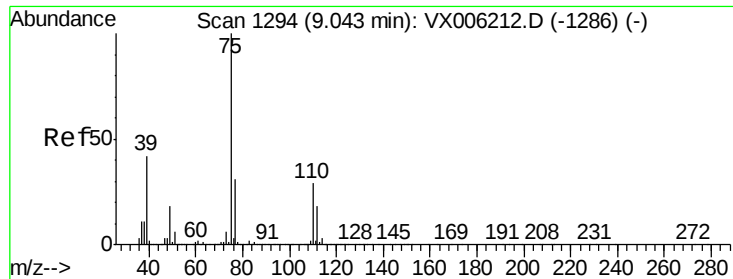
200000

100000

0

Time--> 8.70 8.75 8.80 8.85 8.90





#53

t-1,3-Dichloropropene

Concen: 16.562 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 75 Resp: 146688

Ion Ratio Lower Upper

75 100

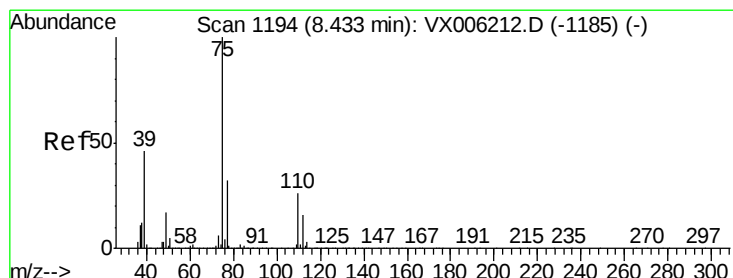
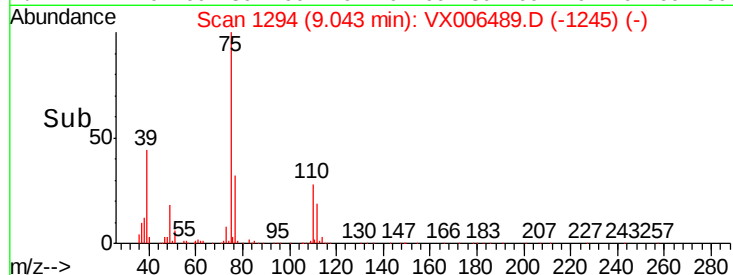
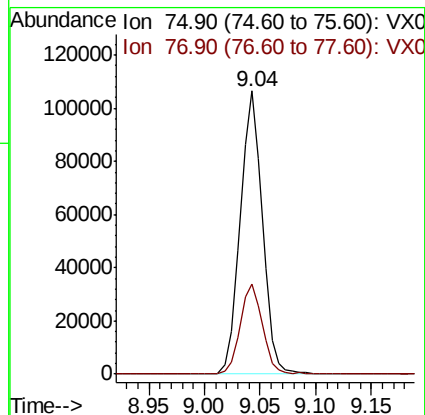
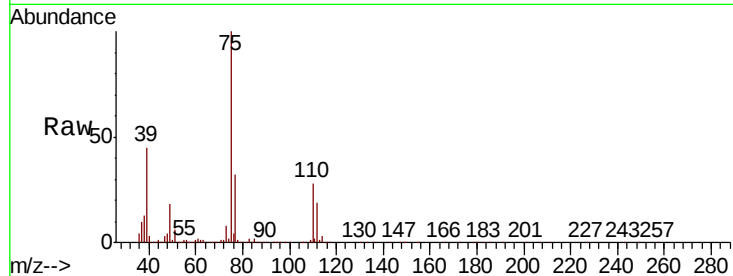
77 31.7 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.263 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

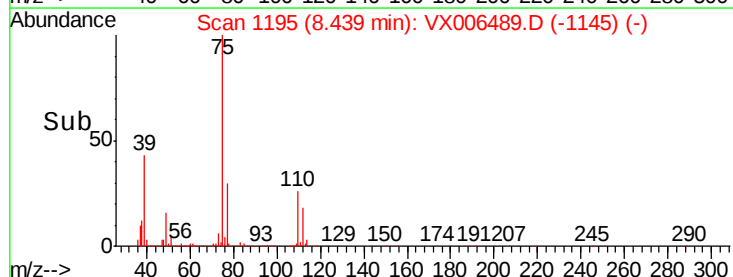
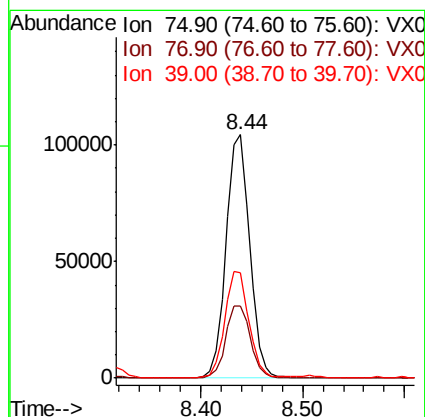
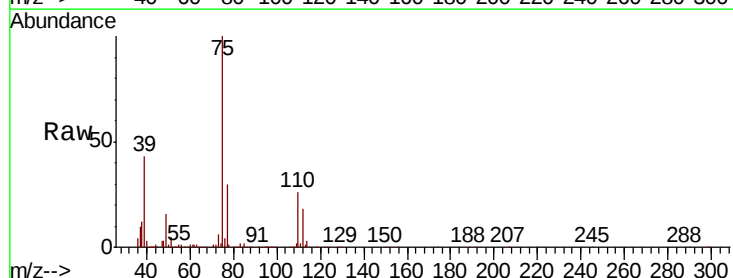
Tgt Ion: 75 Resp: 167960

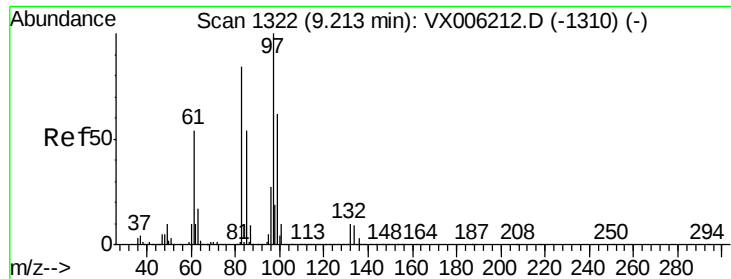
Ion Ratio Lower Upper

75 100

77 29.7 25.6 38.4

39 43.2 36.5 54.7





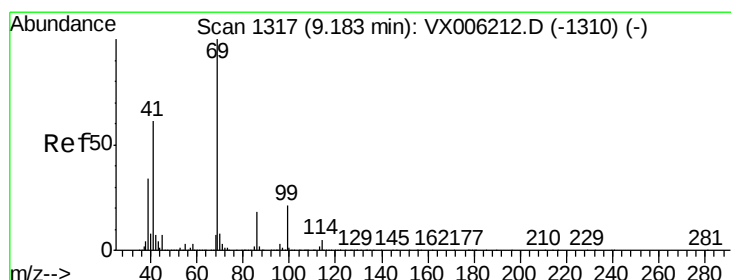
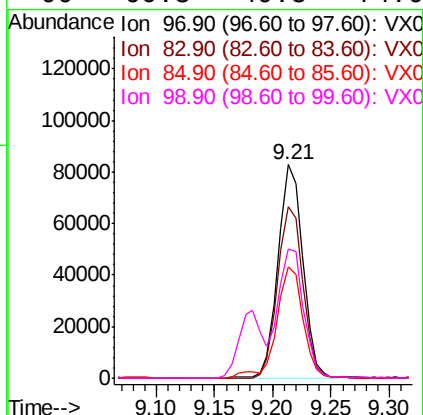
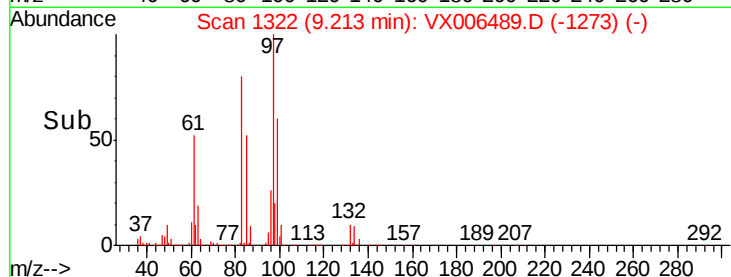
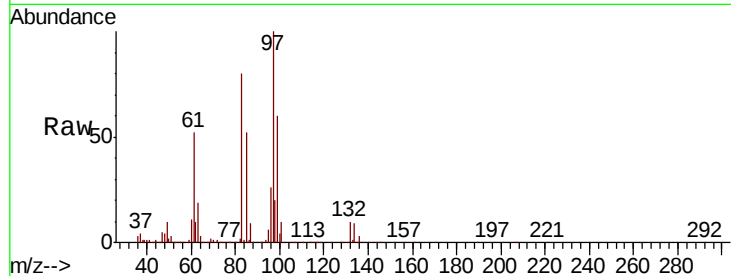
#55
 1,1,2-Trichloroethane
 Concen: 21.424 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		122000		
83	80.2	67.1	100.7		
85	52.2	43.2	64.8		
99	60.3	49.8	74.6		

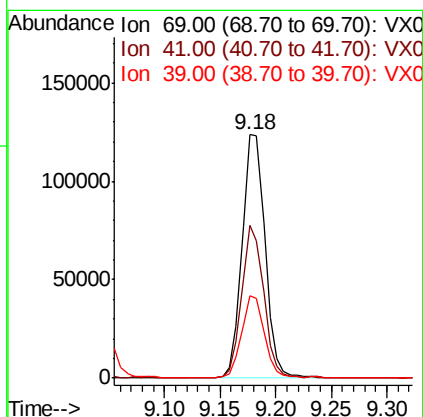
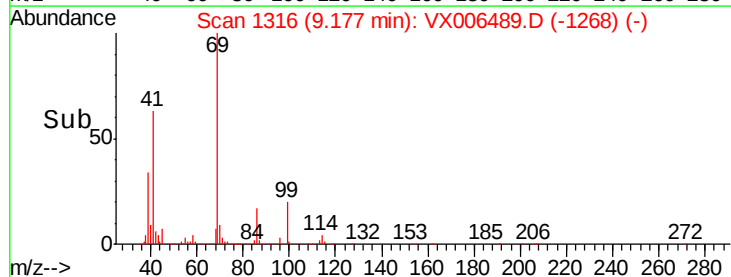
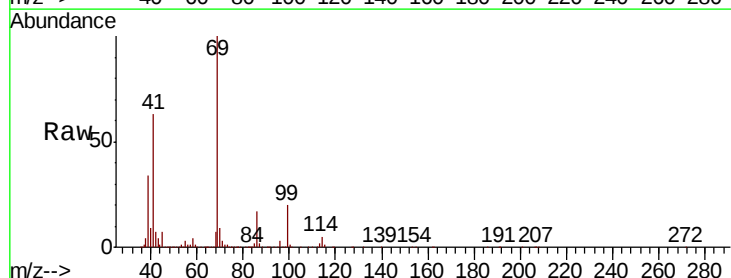
Manual Integrations
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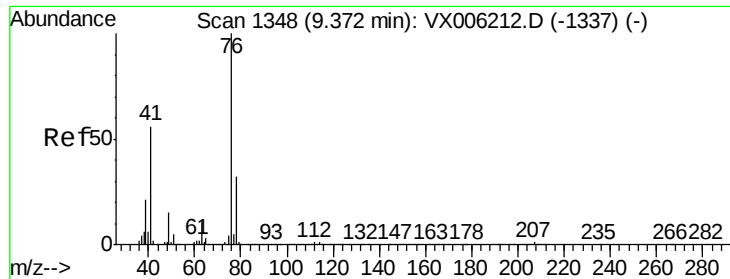
MMDadoda
 12/14/2018 9:34:59 AM



#56
 Ethyl methacrylate
 Concen: 19.909 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		177240		
41	60.1	50.6	76.0		
39	33.2	27.6	41.4		





#57

1,3-Dichloropropane

Concen: 21.460 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 76 Resp: 193240

Ion Ratio Lower Upper

76 100

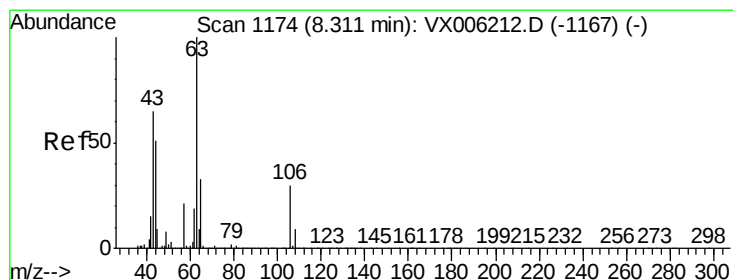
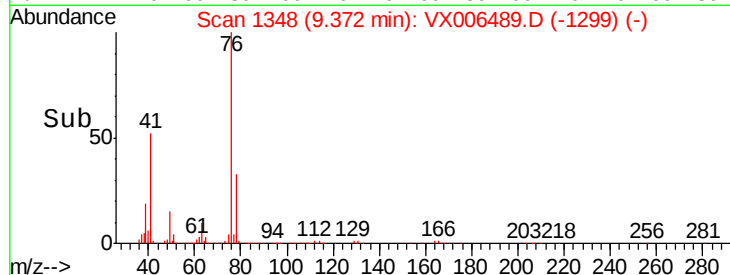
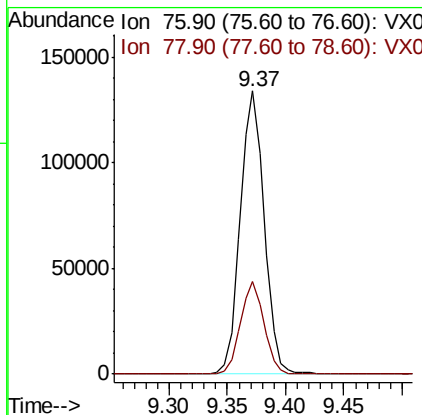
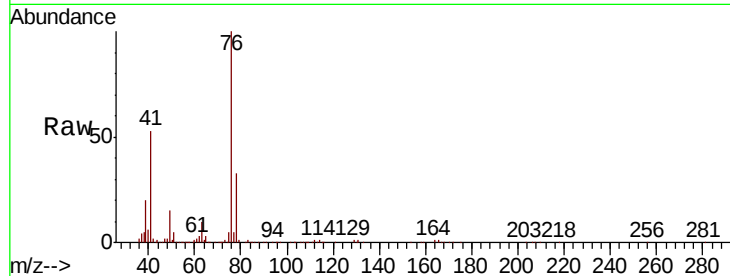
78 32.4 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 91.603 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006489.D

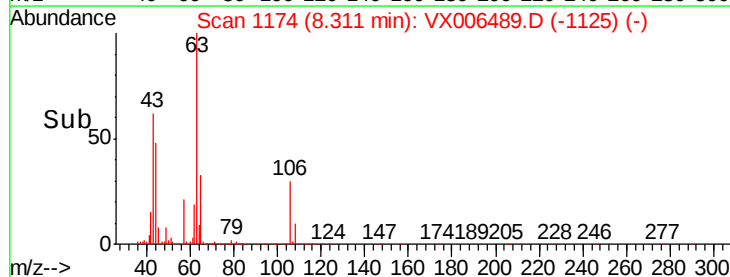
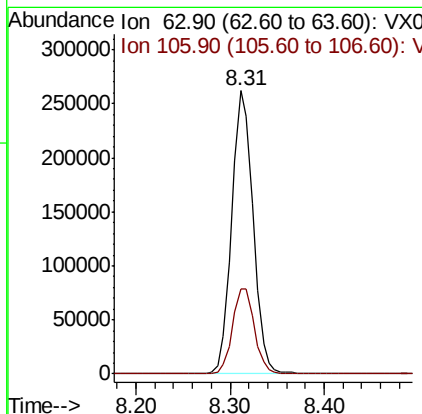
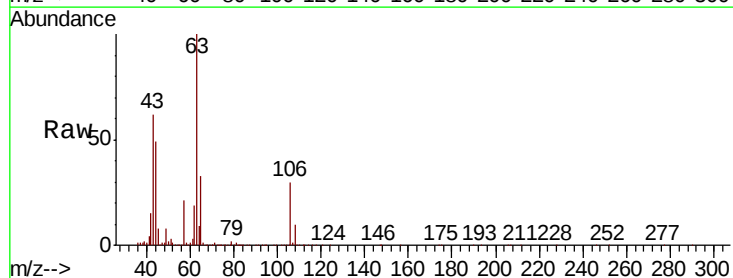
Acq: 13 Dec 2018 12:06

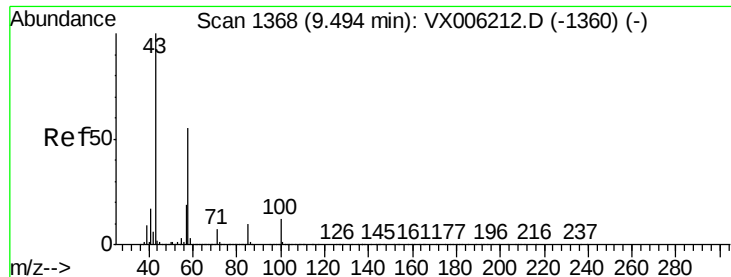
Tgt Ion: 63 Resp: 413813

Ion Ratio Lower Upper

63 100

106 30.9 24.9 37.3





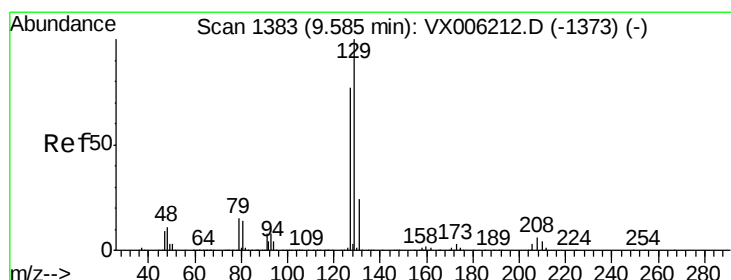
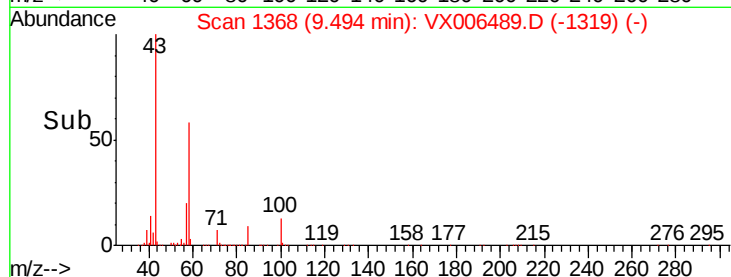
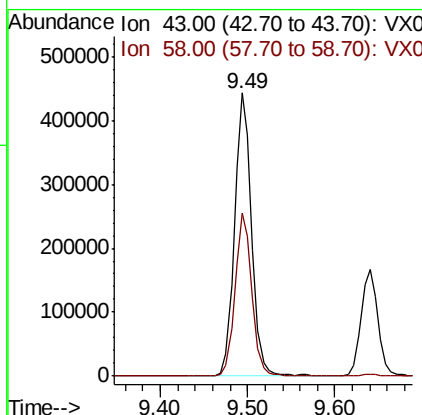
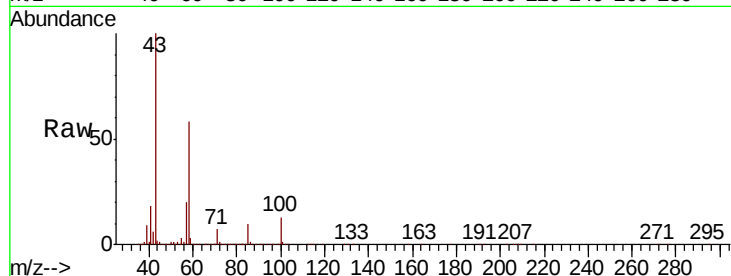
#59
2-Hexanone
Concen: 102.221 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion: 43 Resp: 603849
Ion Ratio Lower Upper
43 100
58 57.0 27.7 83.1

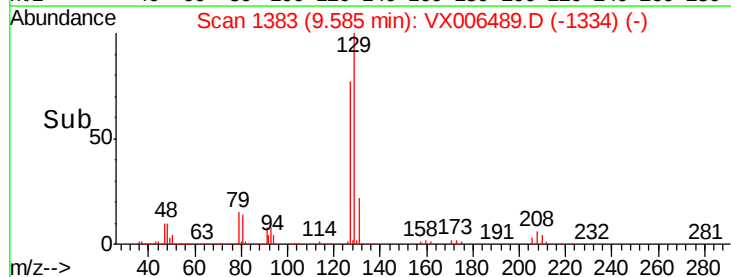
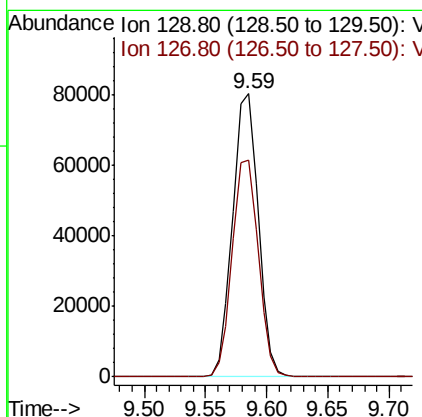
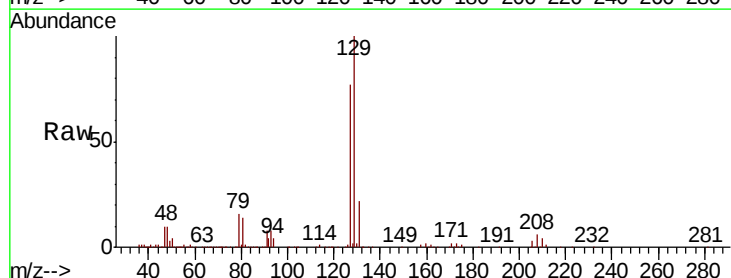
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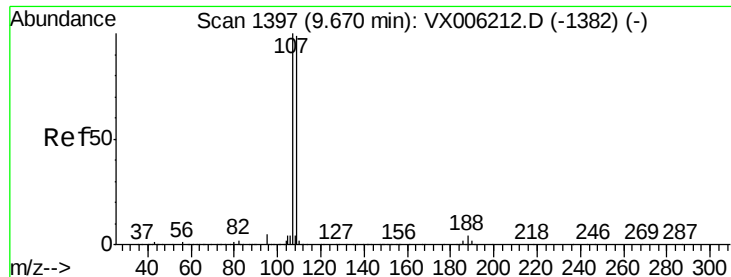
MMDadoda
12/14/2018 9:34:59 AM



#60
Dibromochloromethane
Concen: 16.586 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion: 129 Resp: 116466
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





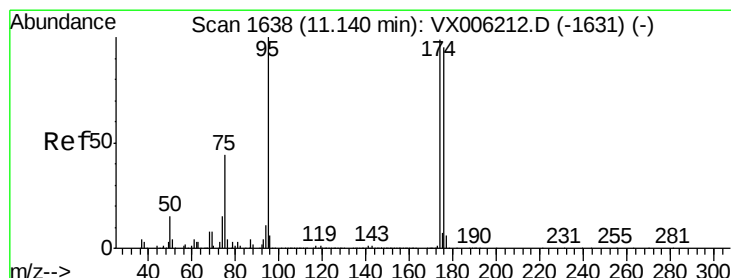
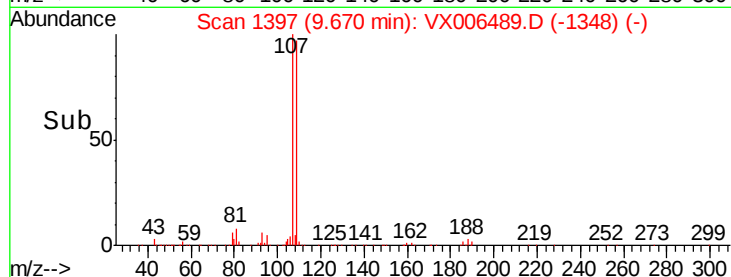
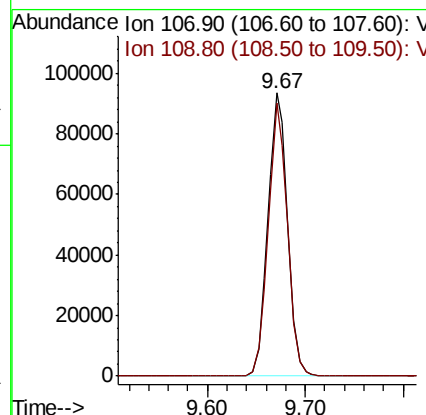
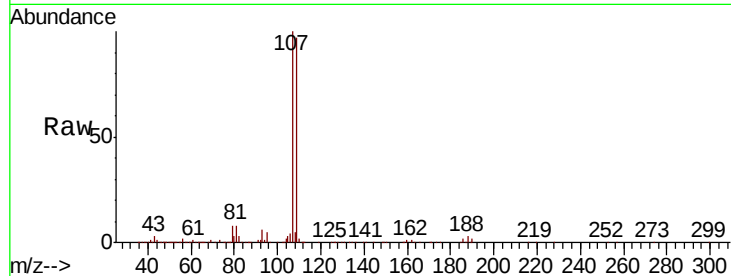
#61
 1,2-Dibromoethane
 Concen: 20.637 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.3	114.5

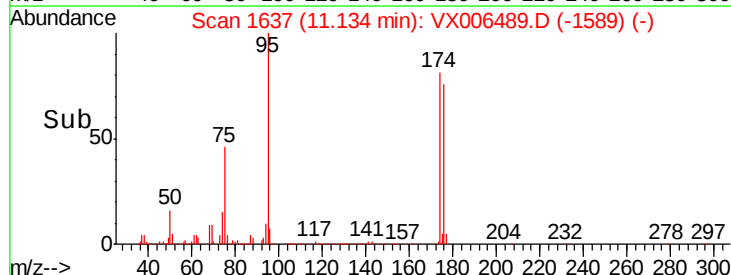
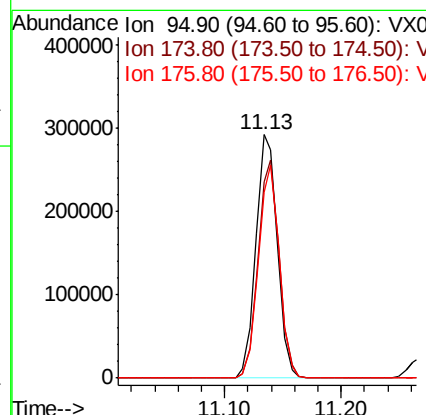
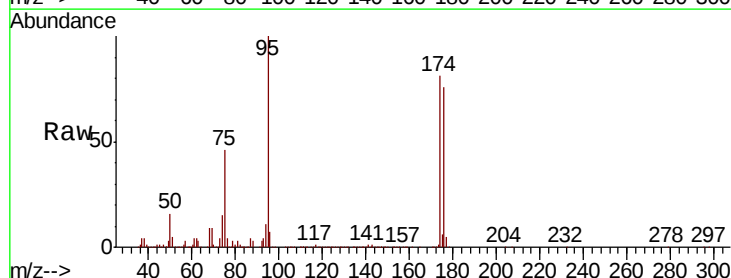
Manual Integrations
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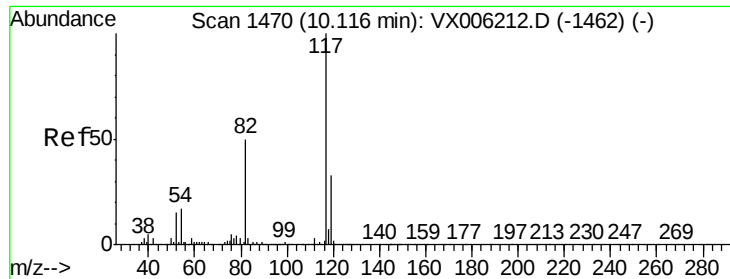
MMDadoda
 12/14/2018 9:34:59 AM



#62
 4-Bromofluorobenzene
 Concen: 49.959 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	187.0
176	85.3	0.0	181.8





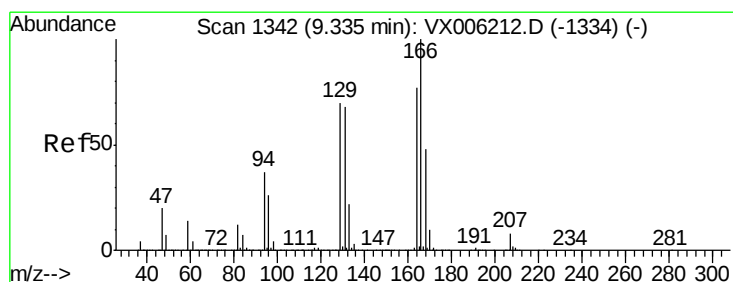
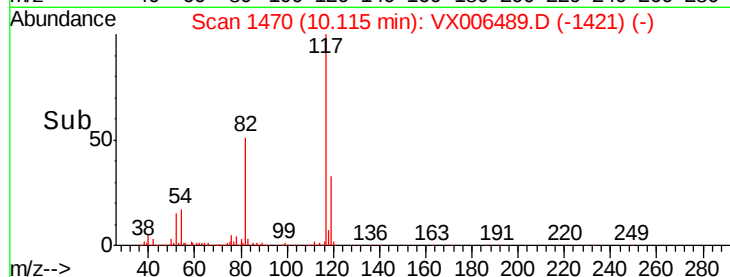
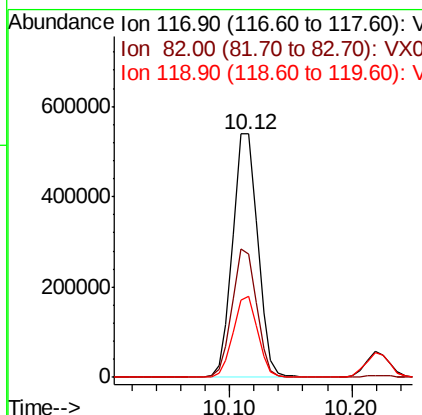
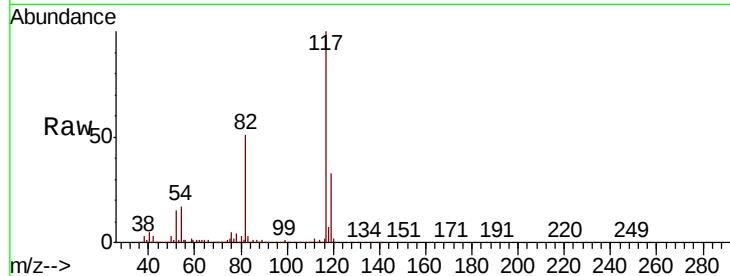
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	762933		
82	50.6		39.6	59.4
119	33.2		26.3	39.5

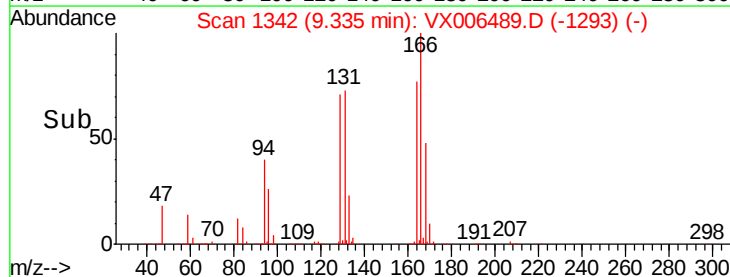
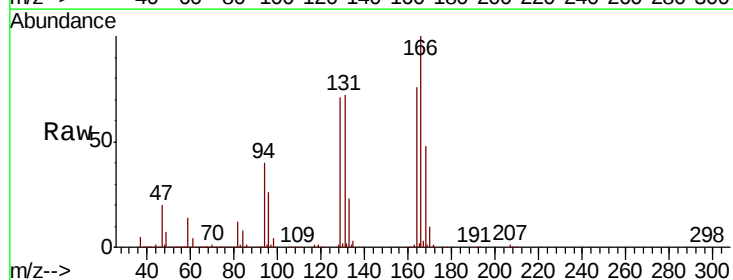
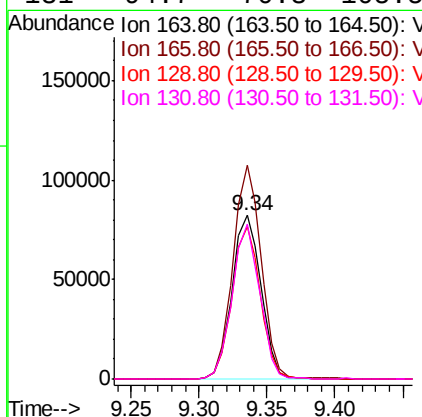
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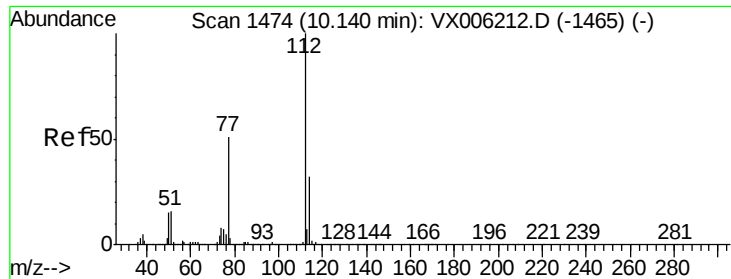
MMDadoda
12/14/2018 9:34:59 AM



#64
Tetrachloroethene
Concen: 21.246 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	122072		
166	130.8		104.2	156.2
129	93.2		72.6	108.8
131	94.7		70.3	105.5





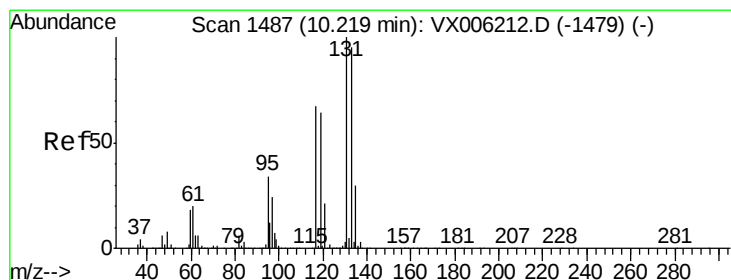
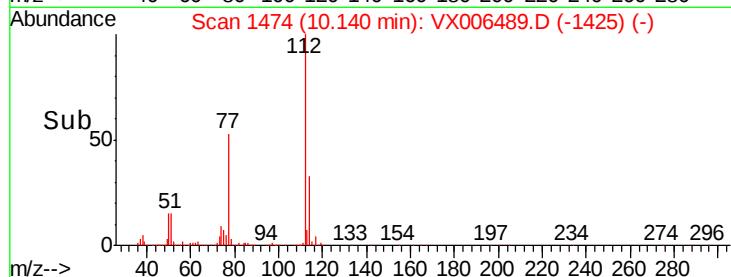
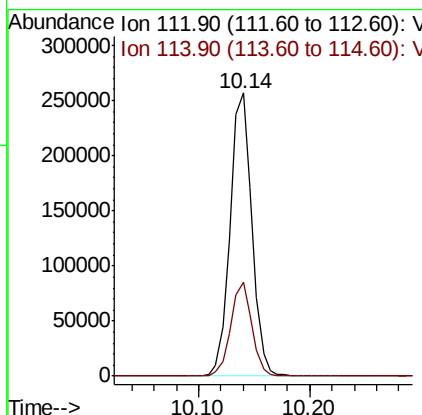
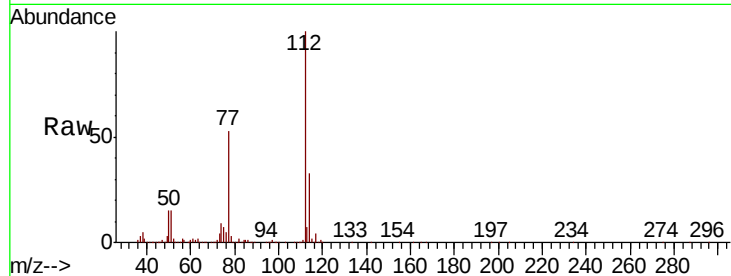
#65
Chlorobenzene
Concen: 21.410 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.4	38.2

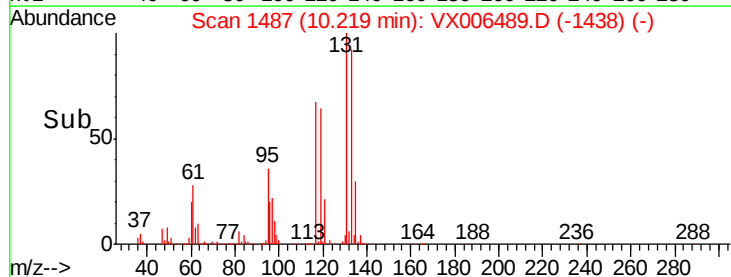
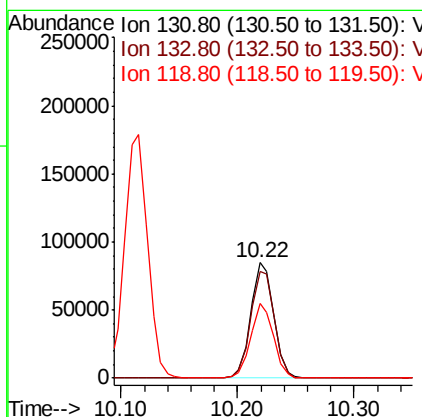
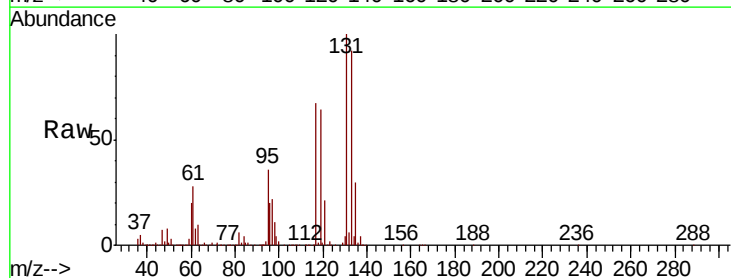
Manual Integrations
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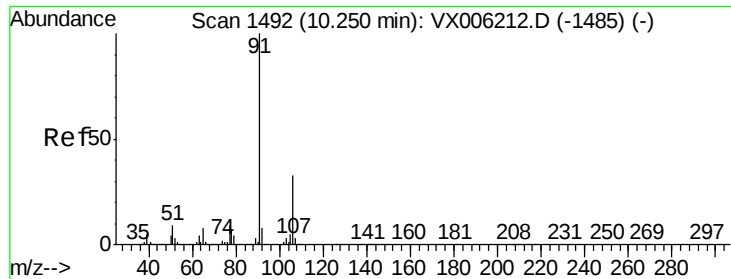
MMDadoda
12/14/2018 9:34:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.501 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.1	144.4
119	64.3	32.1	96.3





#67

Ethyl Benzene

Concen: 21.276 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 91 Resp: 573105

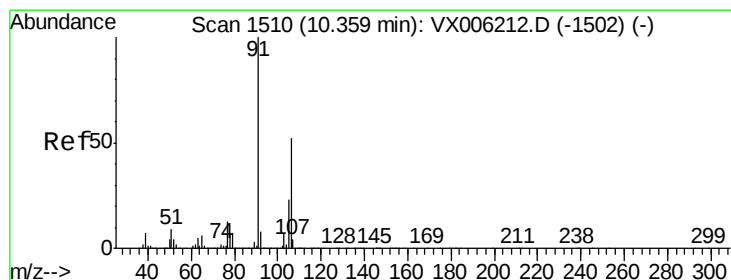
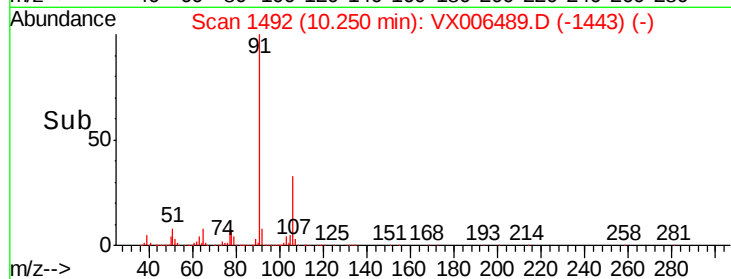
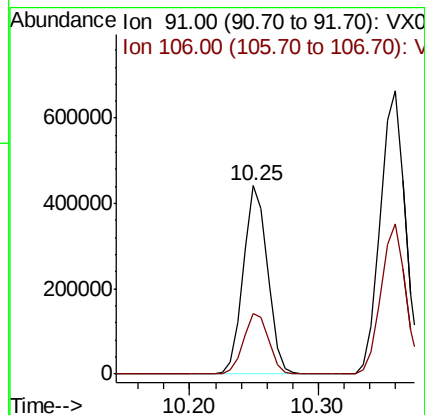
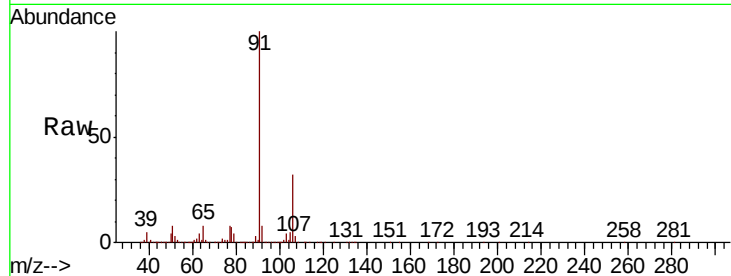
Ion Ratio Lower Upper

91 100

106 32.5 26.5 39.7

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:34:59 AM



#68

m/p-Xylenes

Concen: 42.824 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006489.D

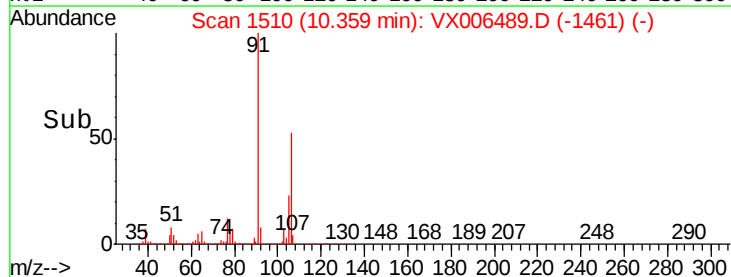
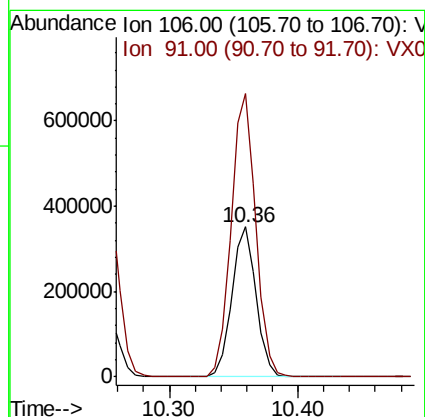
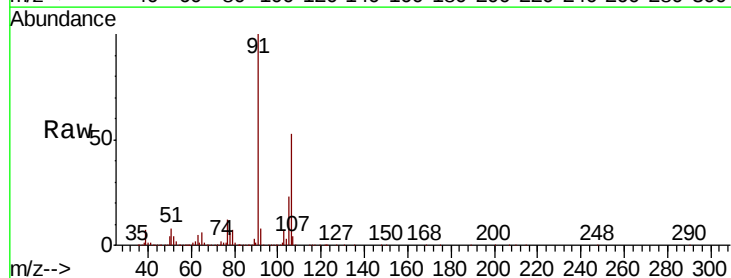
Acq: 13 Dec 2018 12:06

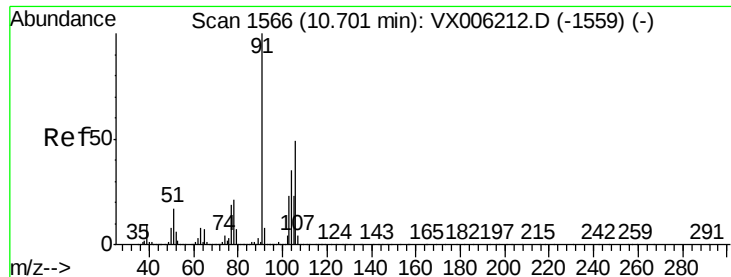
Tgt Ion: 106 Resp: 462060

Ion Ratio Lower Upper

106 100

91 191.4 155.2 232.8





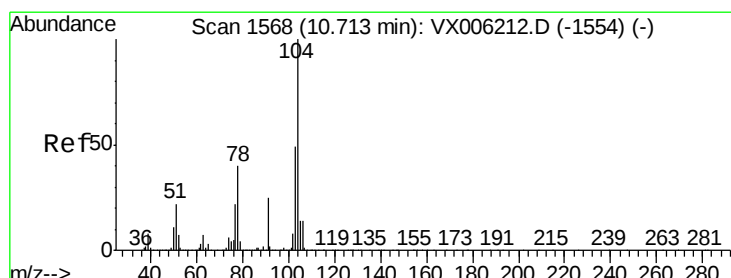
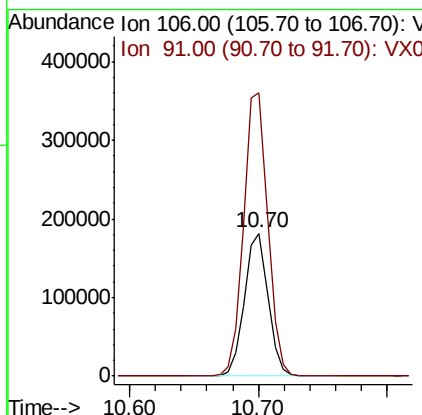
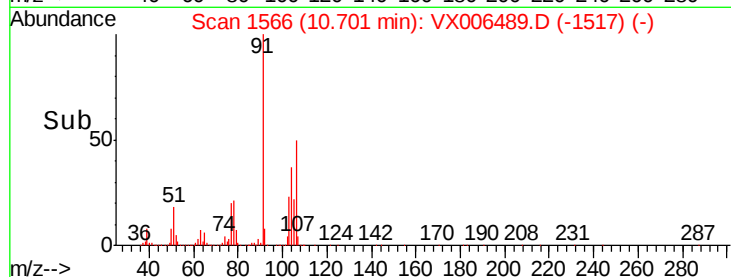
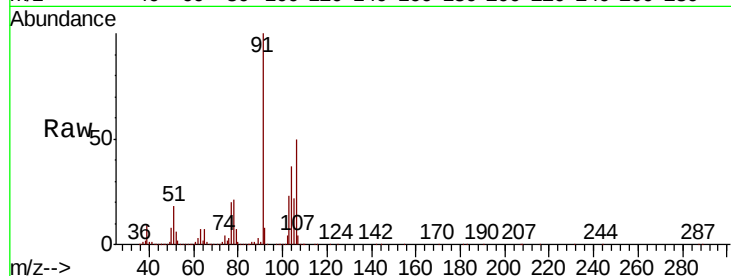
#69
o-Xylene
Concen: 21.404 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.6	101.8	305.6

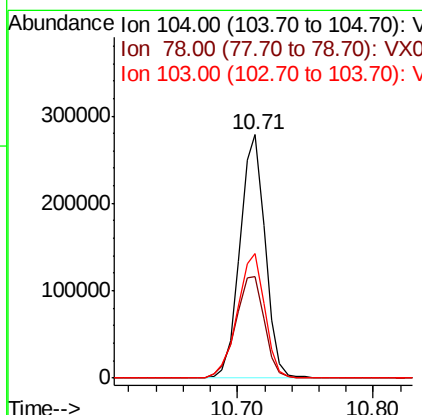
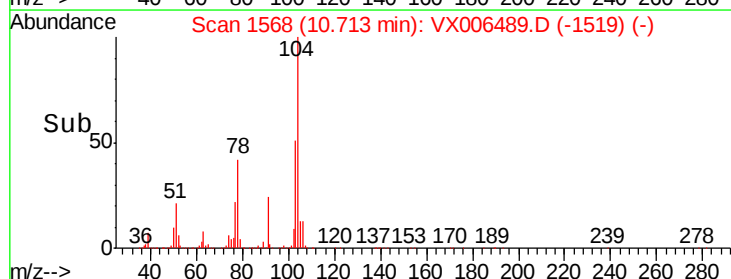
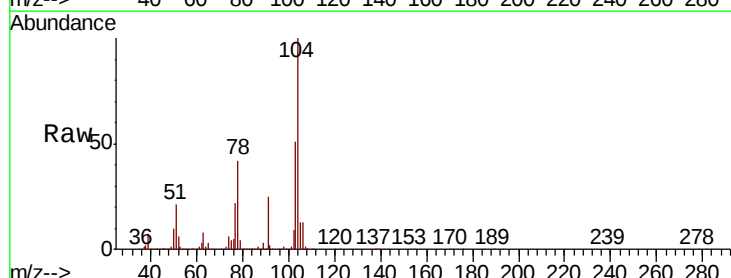
Manual Integrations
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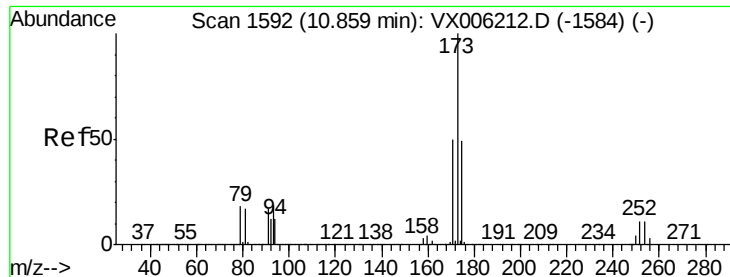
MMDadoda
12/14/2018 9:34:59 AM



#70
Styrene
Concen: 20.855 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.2	55.8
103	55.6	43.5	65.3





#71

Bromoform

Concen: 13.975 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

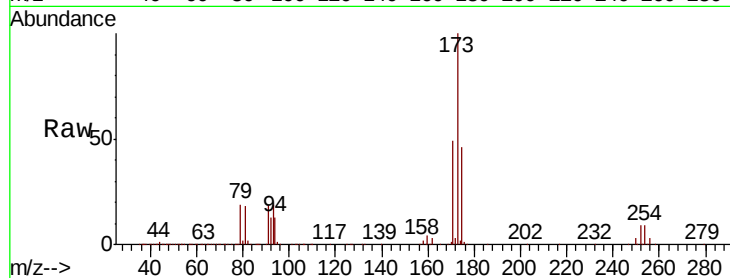
ClientSampleId :

VX1213WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.8
254	0.1	0.2	0.2

Manual Integrations
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MMDadoda
12/14/2018 9:34:59 AM

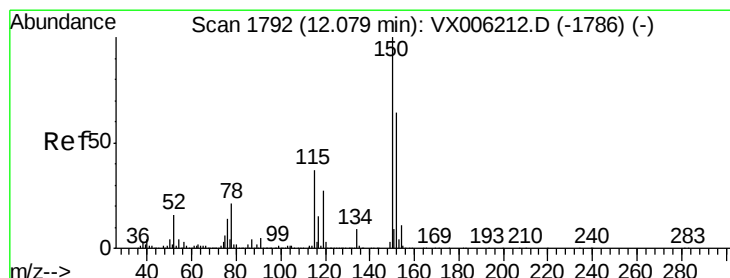
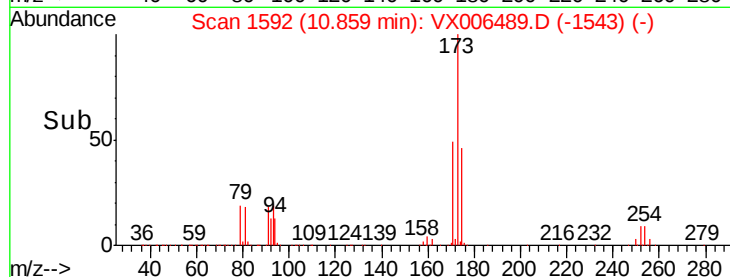
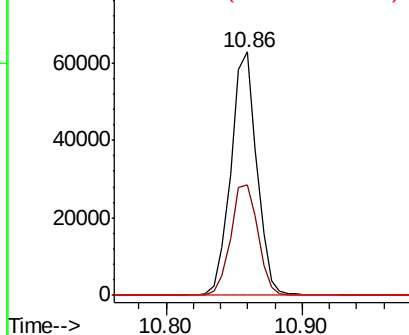


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

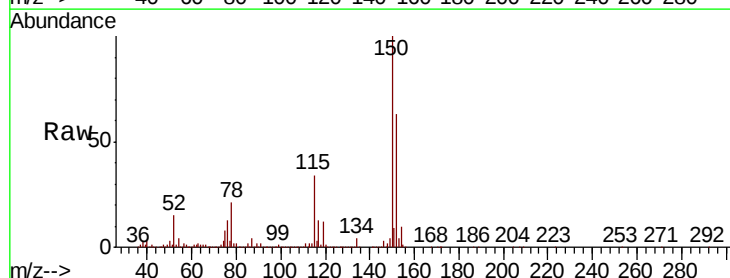
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	39.0	116.9
150	166.3	0.0	345.8

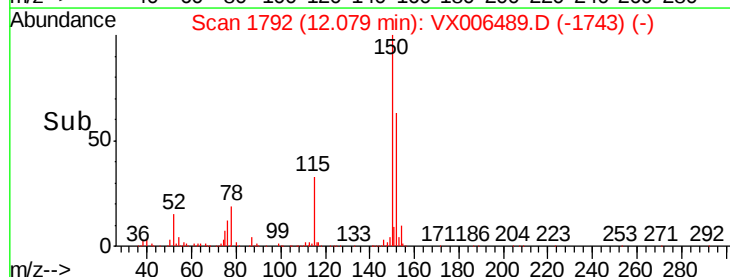
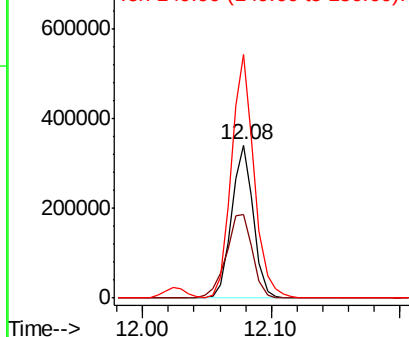


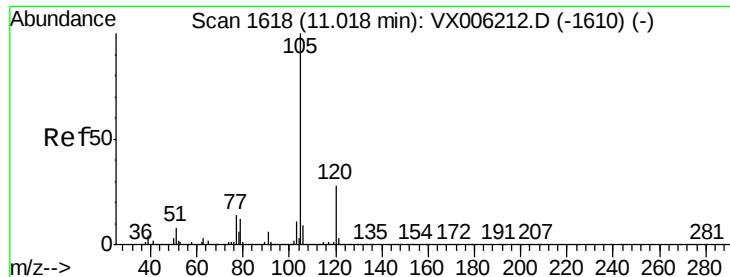
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.600 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion:105 Resp: 597878

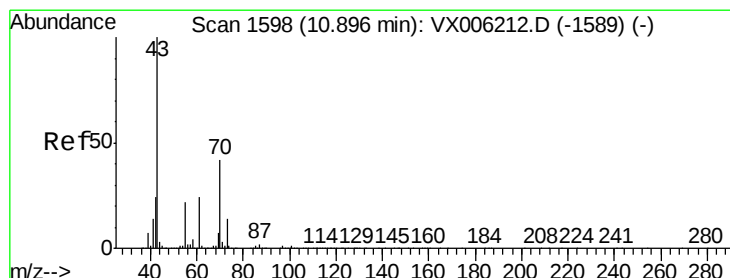
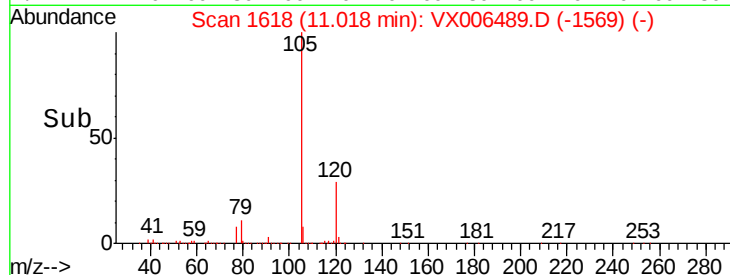
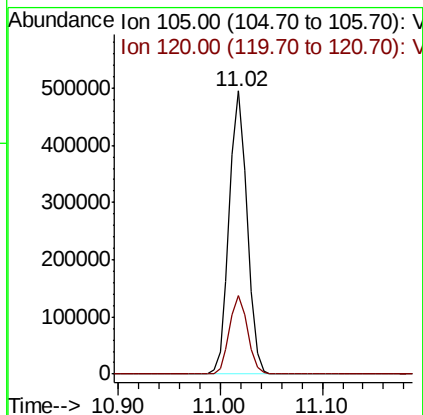
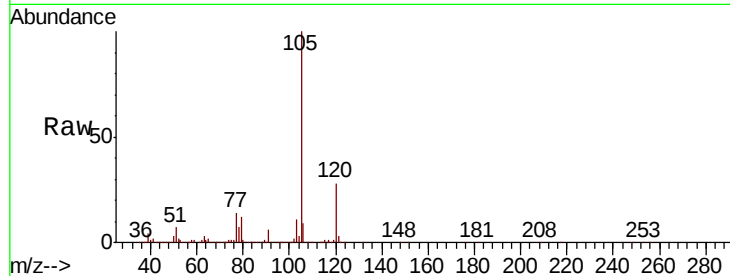
Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.631 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Tgt Ion: 43 Resp: 222065

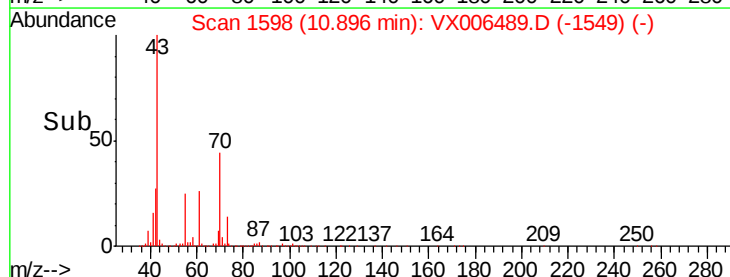
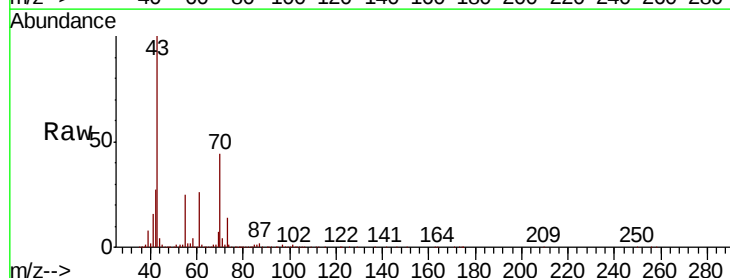
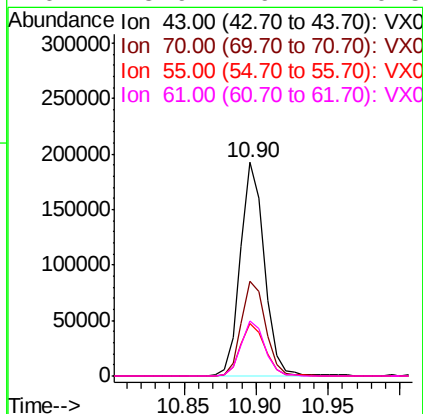
Ion Ratio Lower Upper

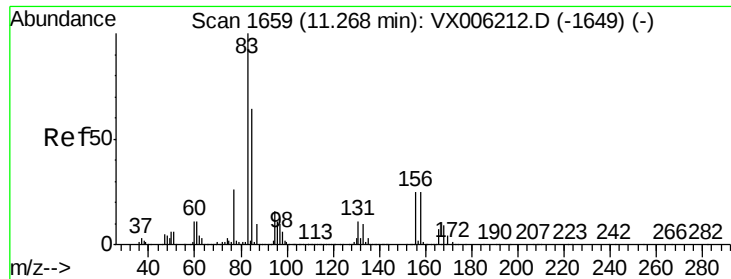
43 100

70 45.6 34.1 51.1

55 25.5 17.8 26.8

61 25.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.672 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

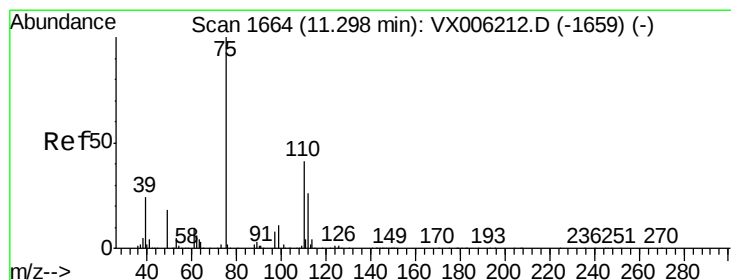
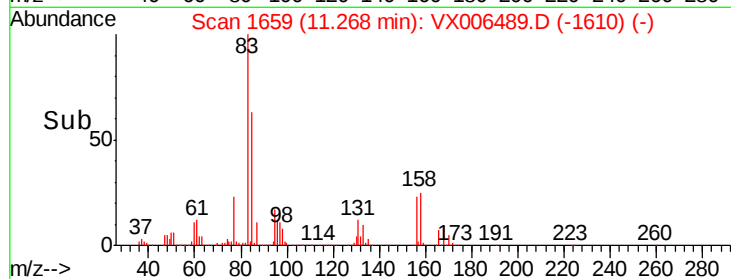
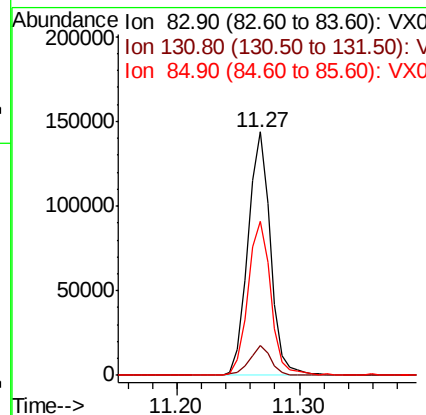
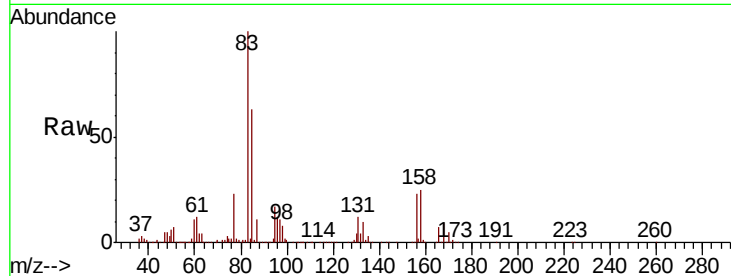
ClientSampleId :

VX1213WBS01

Tot Ion:	83	Resp:	183053
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.7	17.1
85	64.4	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.854 ug/l m

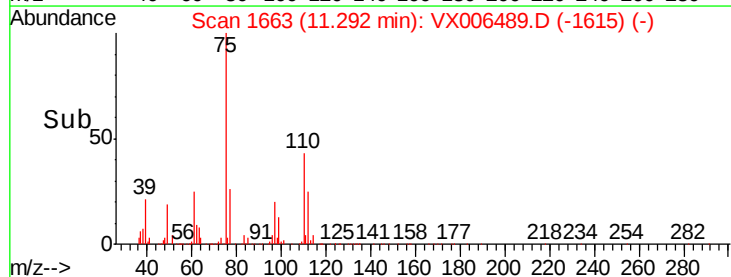
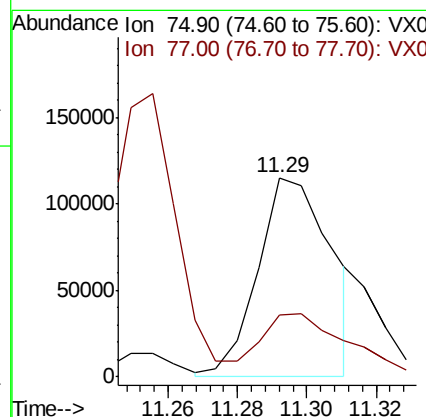
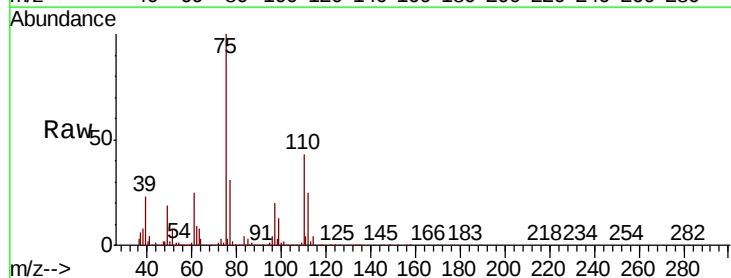
RT: 11.29 min Scan# 1663

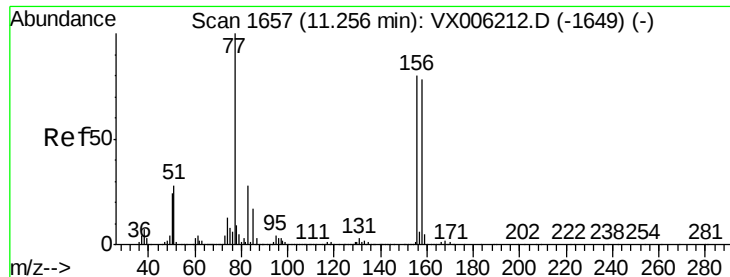
Delta R.T. -0.01 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Tgt Ion:	75	Resp:	169068
Ion Ratio	Lower	Upper	
75	100		
77	37.3	19.9	59.7





#77

Bromobenzene

Concen: 20.425 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

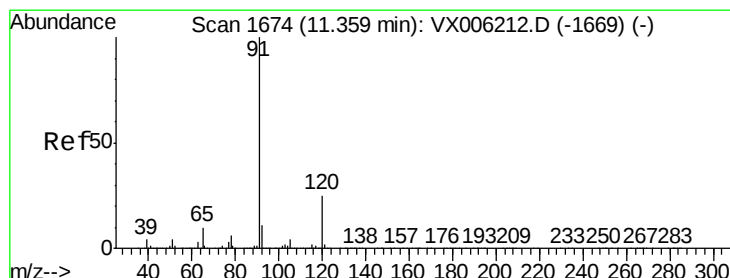
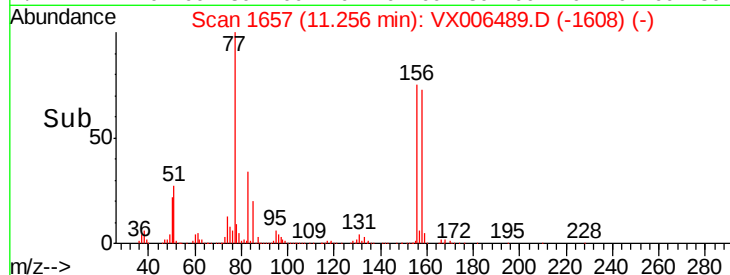
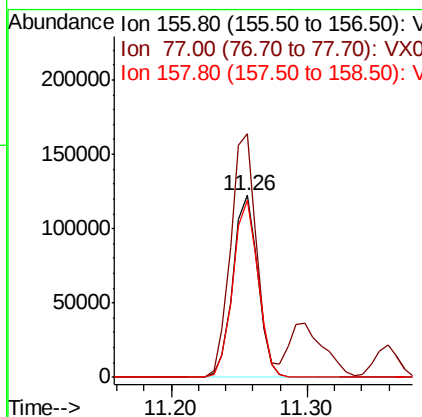
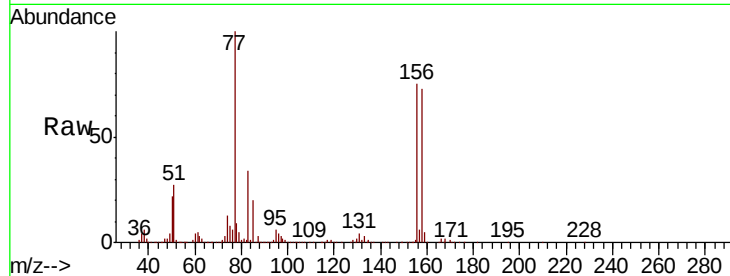
ClientSampleId :

VX1213WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	139.4	66.2	198.6
158	98.1	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 21.479 ug/l

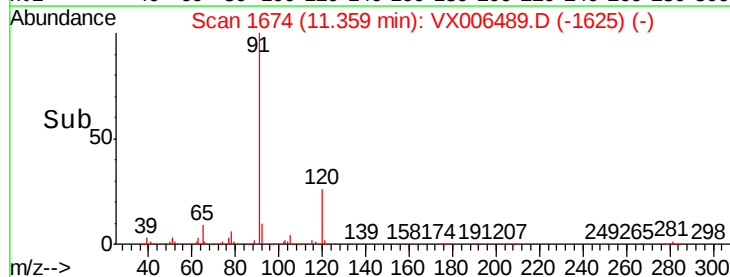
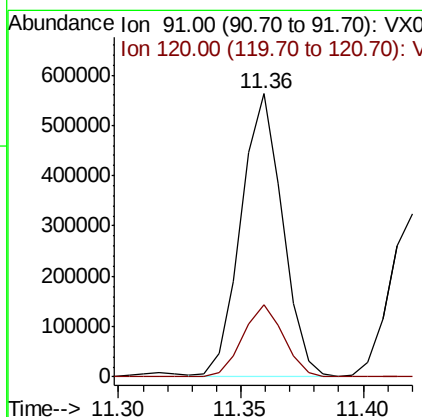
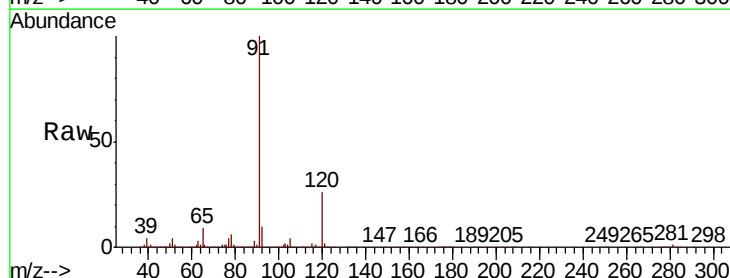
RT: 11.36 min Scan# 1674

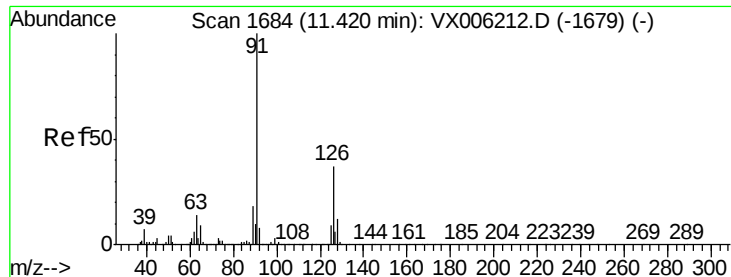
Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.4	12.7	38.0





#79

2-Chlorotoluene

Concen: 21.596 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBS01

Tot Ion: 91 Resp: 394925

Ion Ratio Lower Upper

91 100

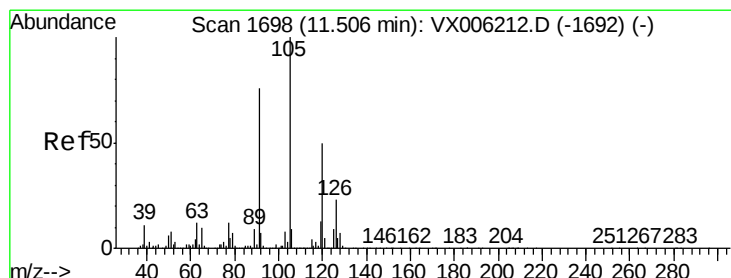
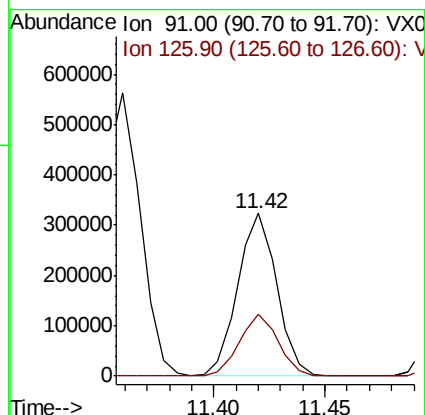
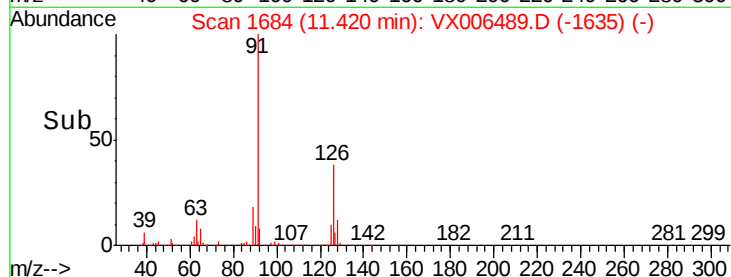
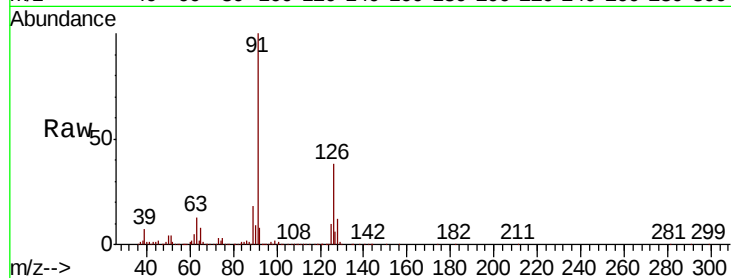
126 37.9 18.6 56.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.355 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006489.D

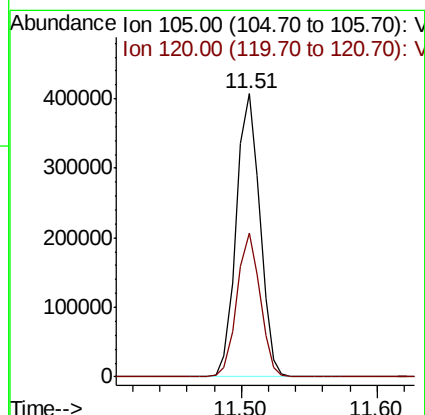
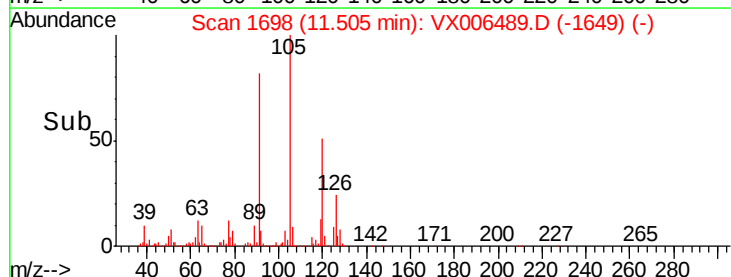
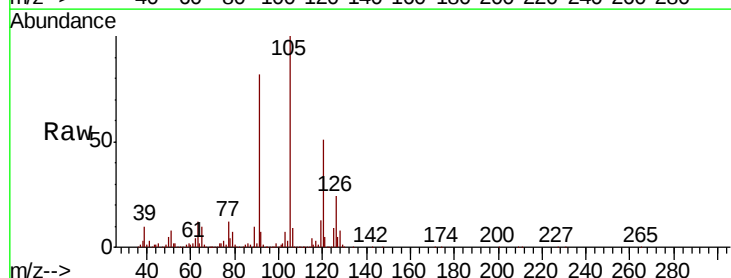
Acq: 13 Dec 2018 12:06

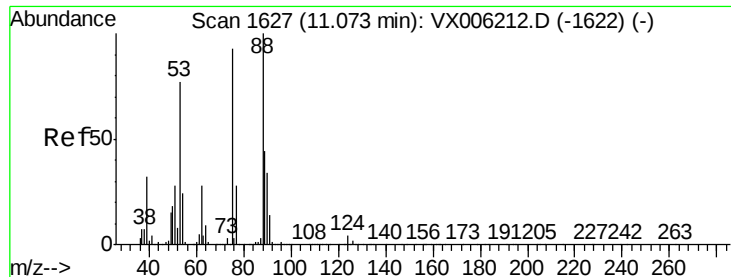
Tgt Ion: 105 Resp: 491808

Ion Ratio Lower Upper

105 100

120 50.0 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.001 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Instrument :

MSVOA_X

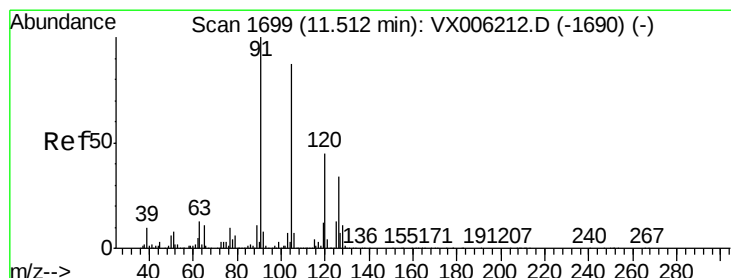
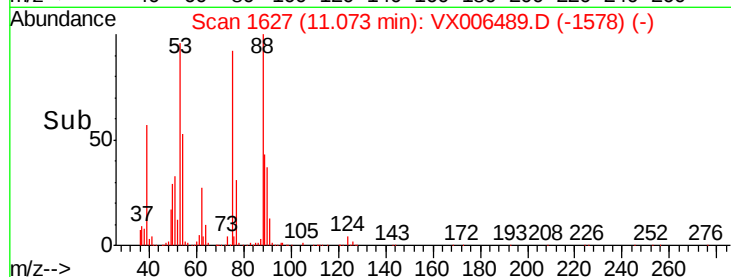
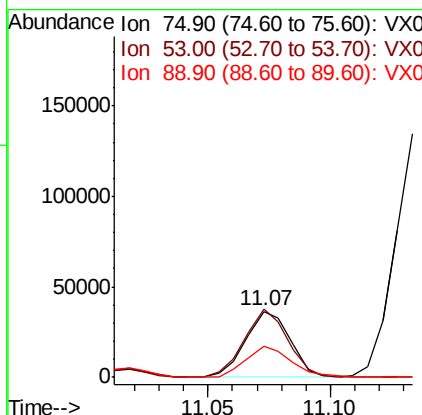
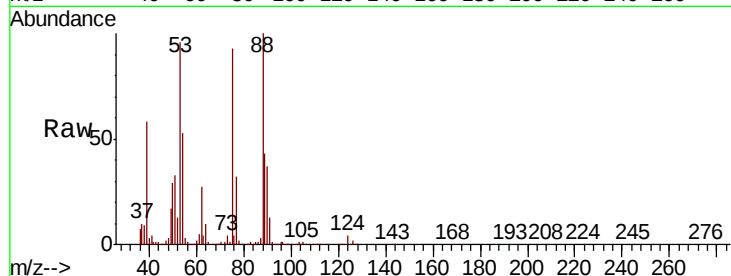
ClientSampleId :

VX1213WBS01

Tot Ion:	75	Resp:	46155
Ion Ratio	Lower	Upper	
75	100		
53	102.5	64.4	96.6#
89	48.9	44.2	66.4

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#82

4-Chlorotoluene

Concen: 21.397 ug/l

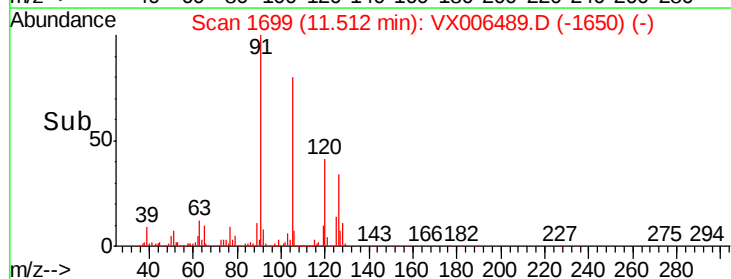
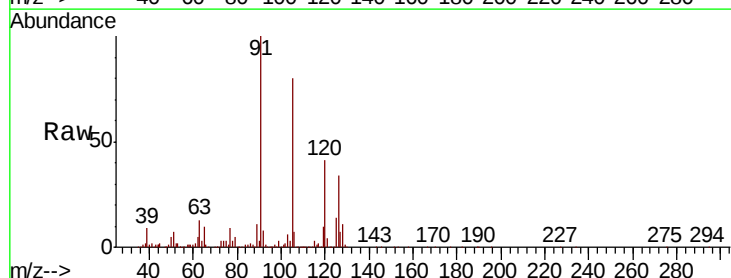
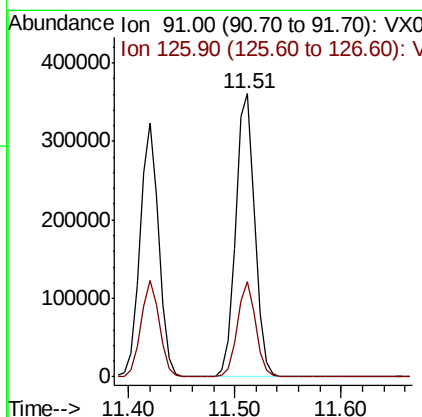
RT: 11.51 min Scan# 1699

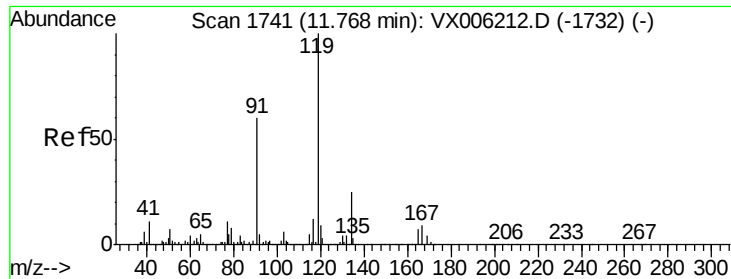
Delta R.T. -0.00 min

Lab File: VX006489.D

Acq: 13 Dec 2018 12:06

Tgt Ion:	91	Resp:	454933
Ion Ratio	Lower	Upper	
91	100		
126	32.4	16.4	49.4





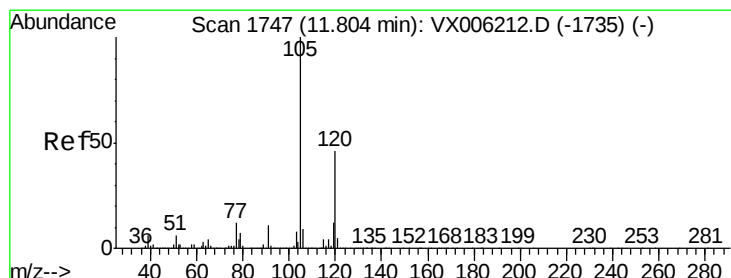
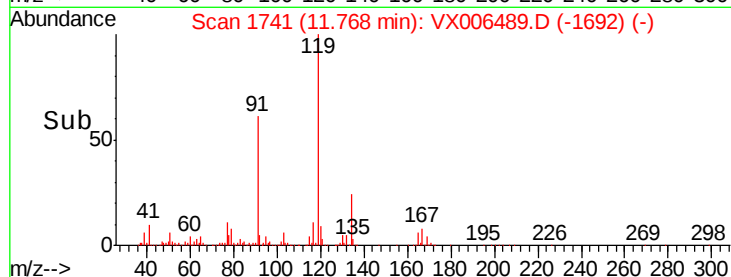
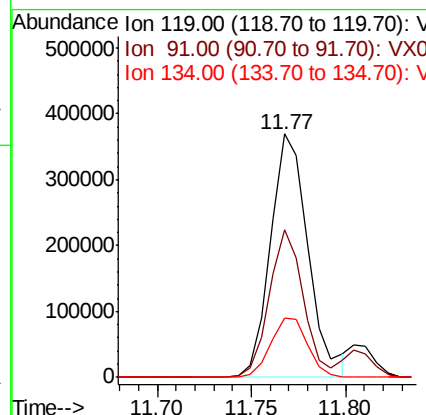
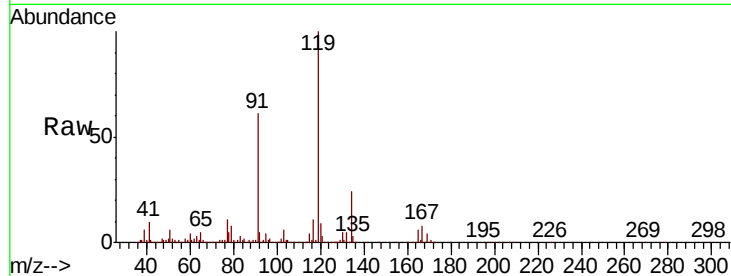
#83
tert-Butylbenzene
Concen: 20.838 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.6	26.4	79.2
134	23.9	11.6	34.7

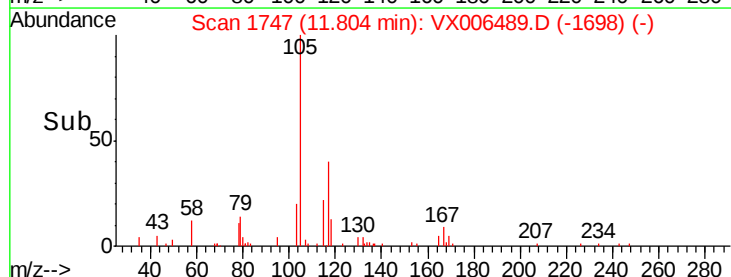
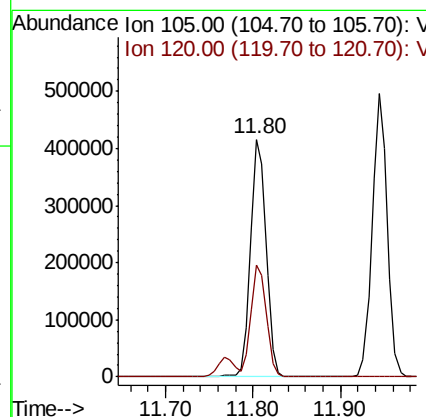
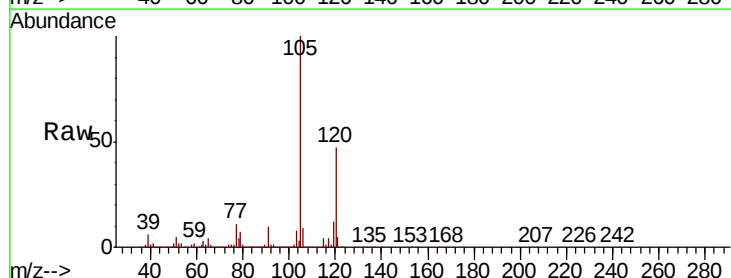
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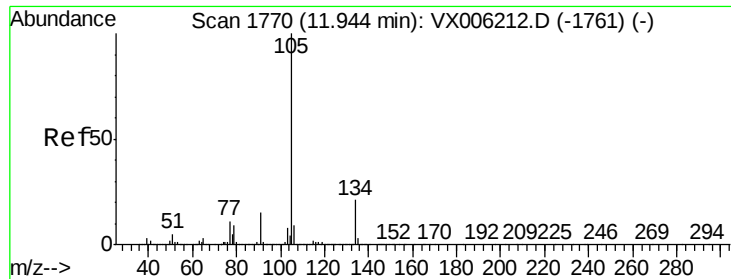
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#84
1,2,4-Trimethylbenzene
Concen: 21.562 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.0





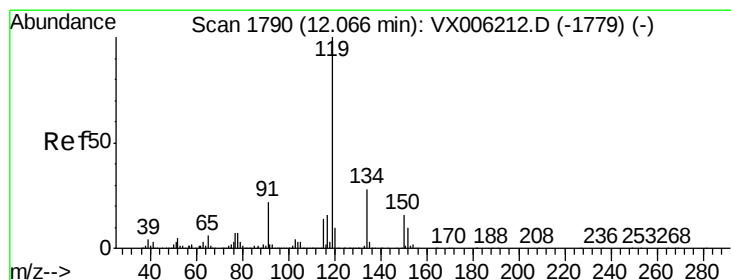
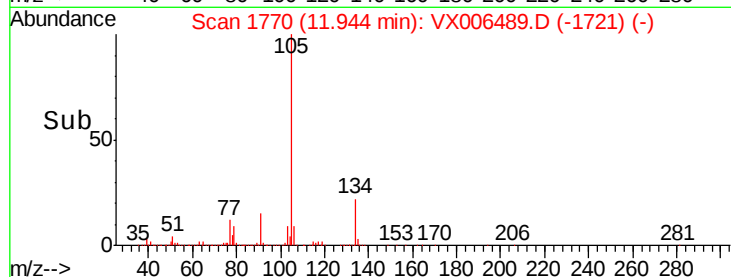
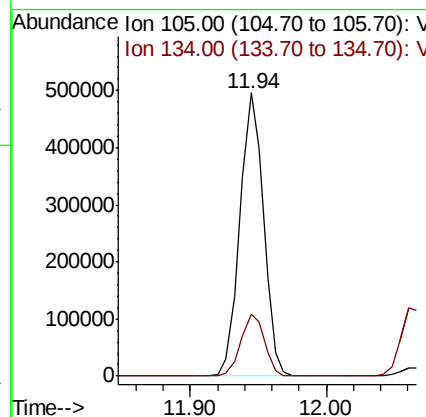
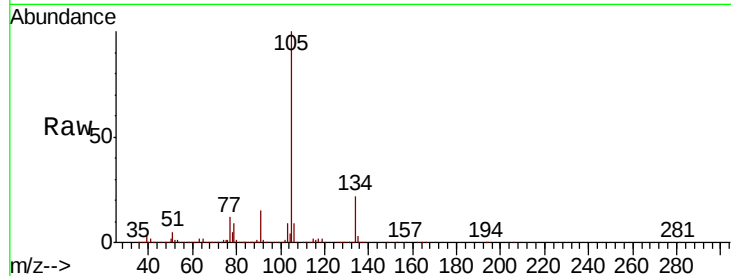
#85
 sec-Butylbenzene
 Concen: 21.425 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.9	10.8	32.4

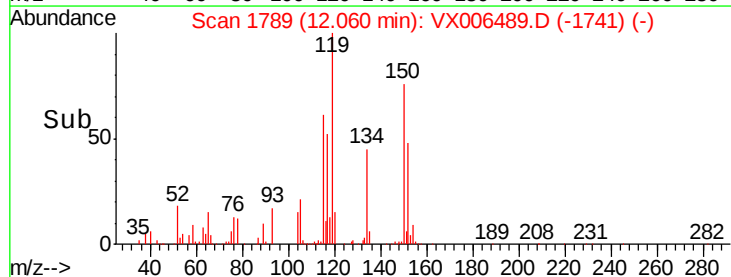
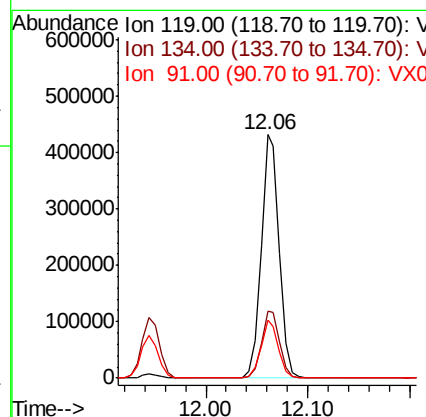
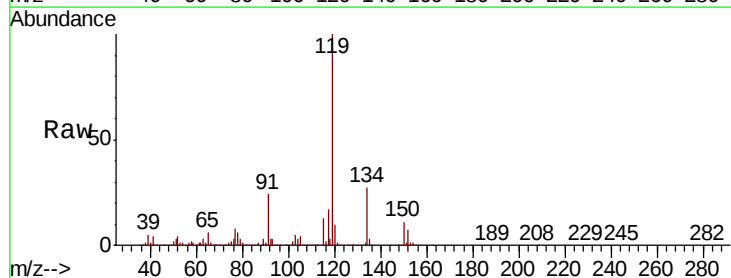
Manual Integrations
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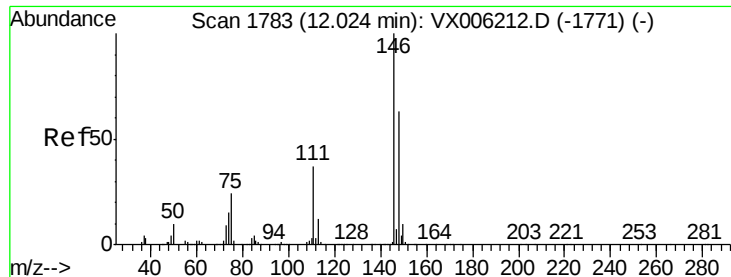
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.166 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.9	41.6
91	23.0	11.3	33.8





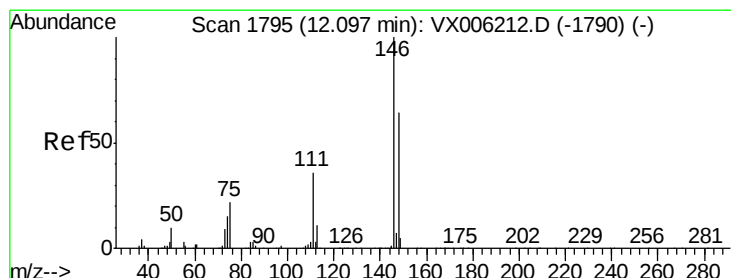
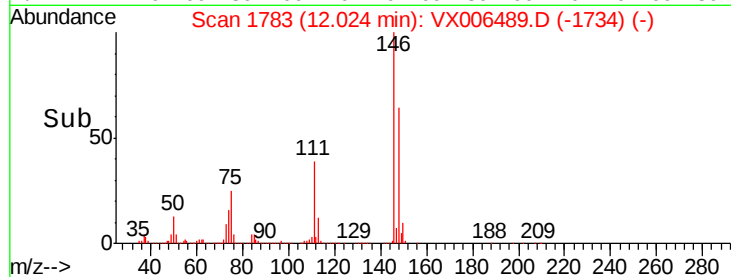
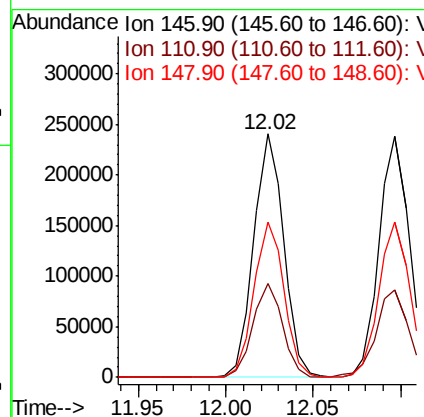
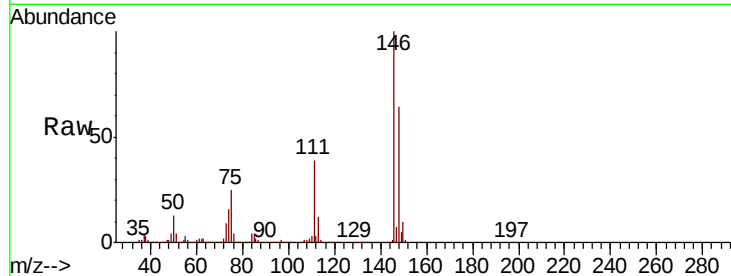
#87
 1,3-Dichlorobenzene
 Concen: 21.176 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.2
148	63.9	32.0	96.0

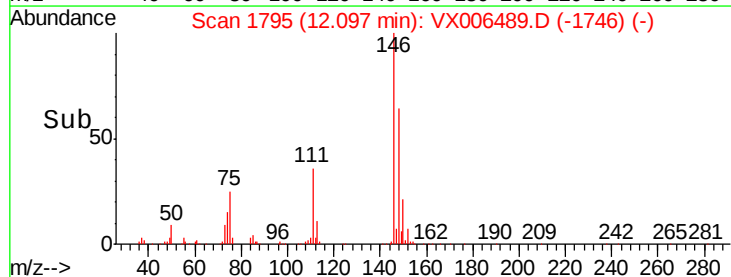
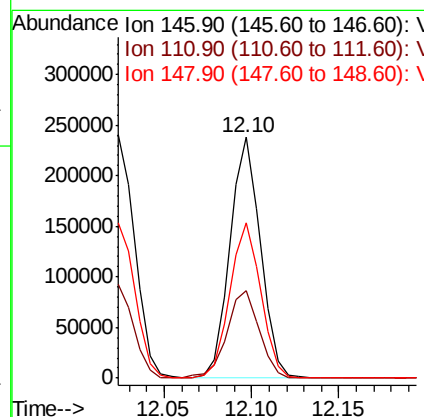
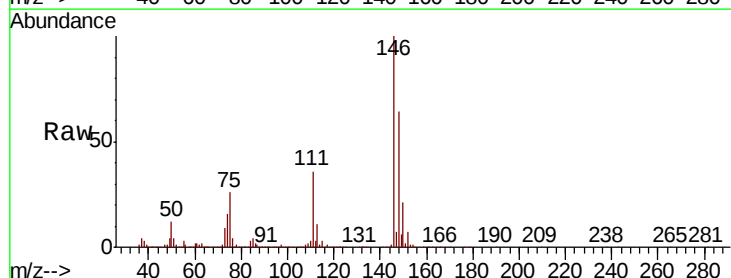
Manual Integrations
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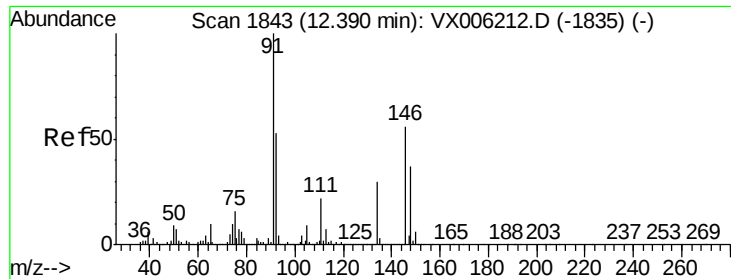
MMDadoda
 12/14/2018 9:34:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.773 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.3	54.8
148	65.5	31.9	95.9





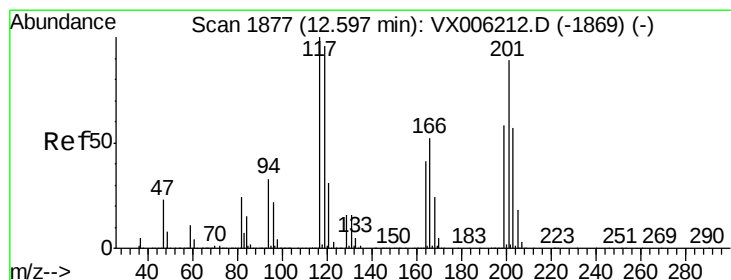
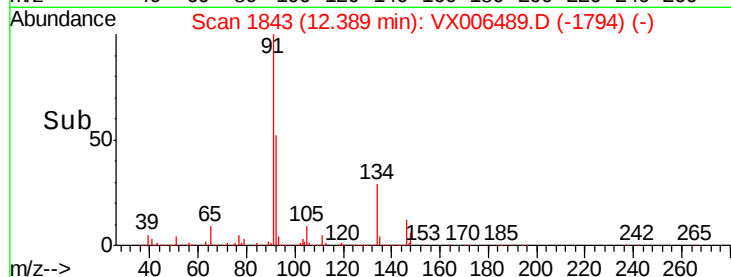
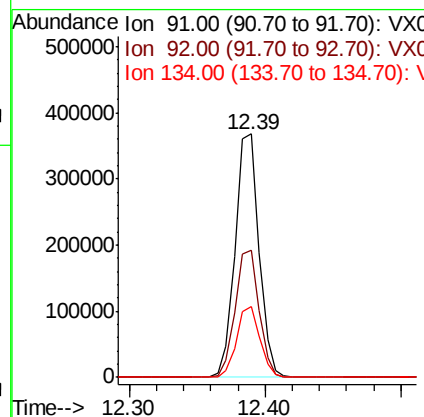
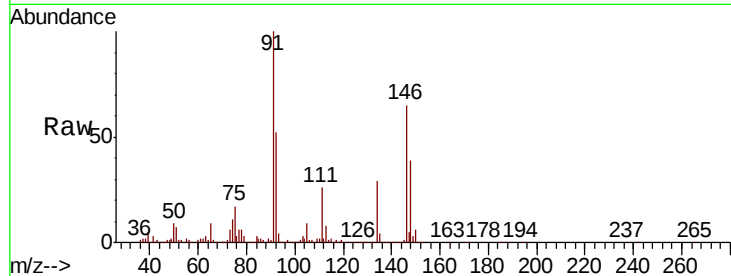
#89
n-Butylbenzene
Concen: 20.826 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.8
134	28.7	14.8	44.3

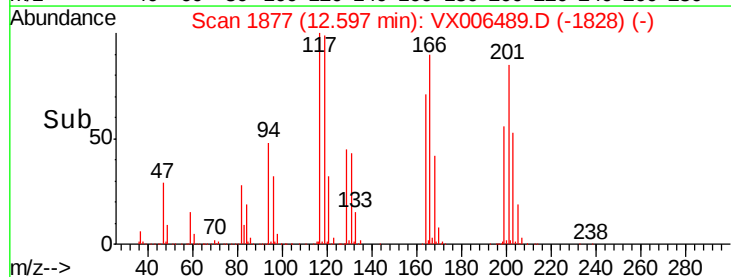
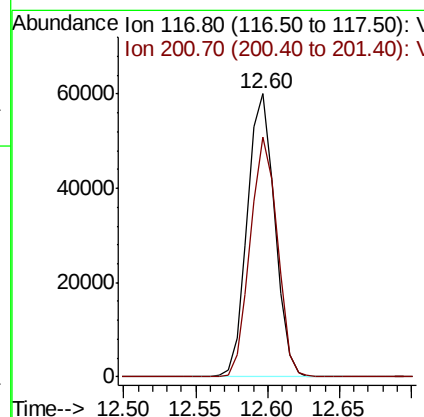
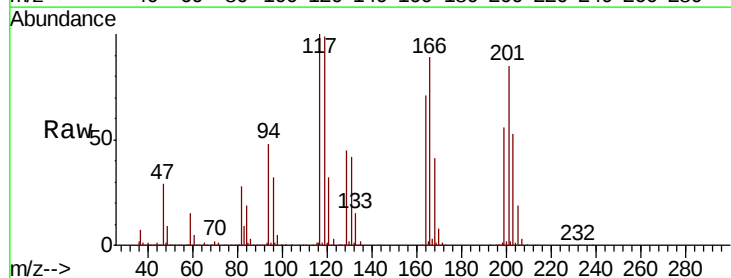
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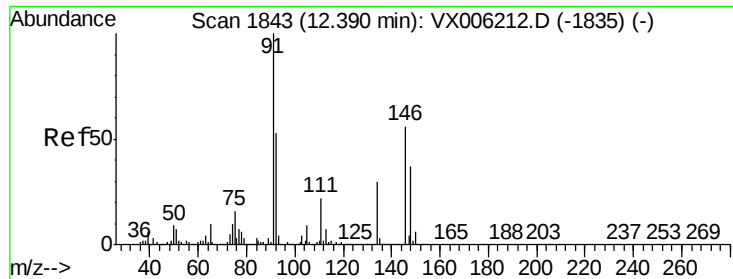
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#90
Hexachloroethane
Concen: 15.468 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	44.7	134.1





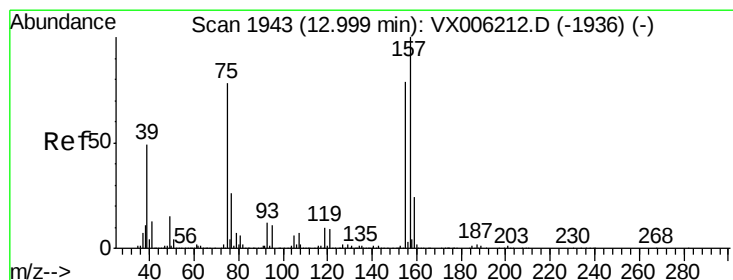
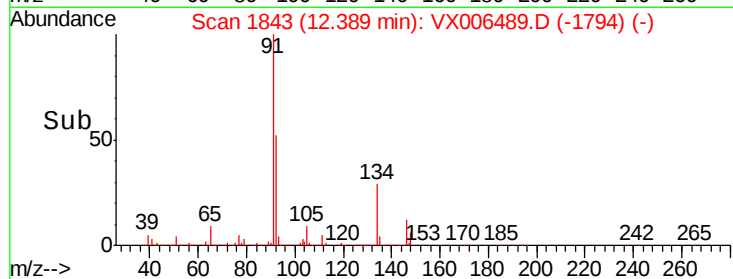
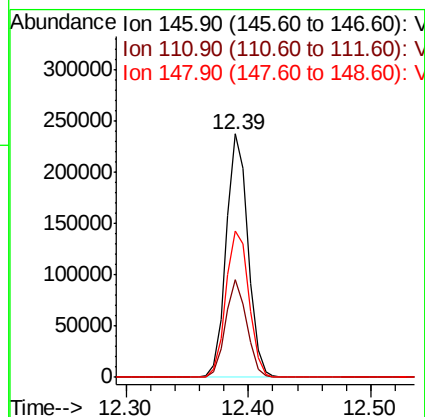
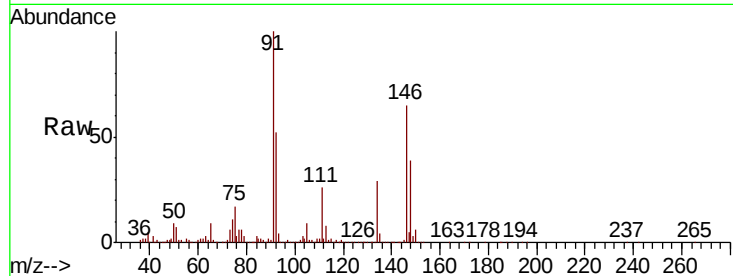
#91
 1,2-Dichlorobenzene
 Concen: 21.465 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	291178		
111	39.3	19.1	57.3	
148	64.0	32.1	96.3	

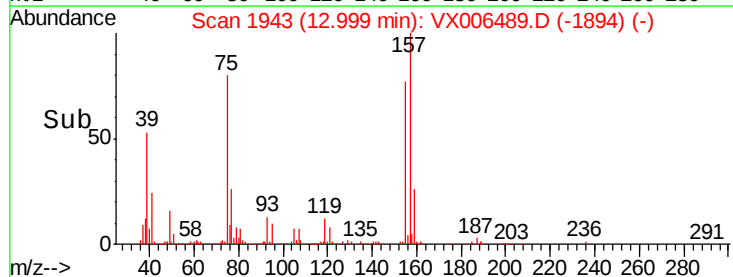
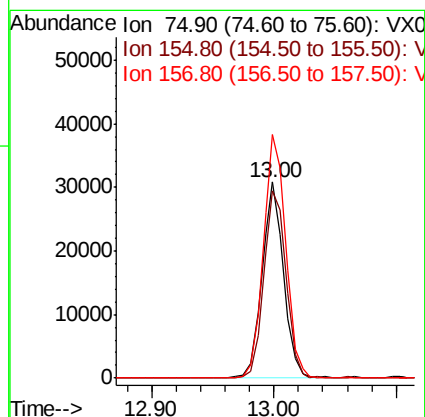
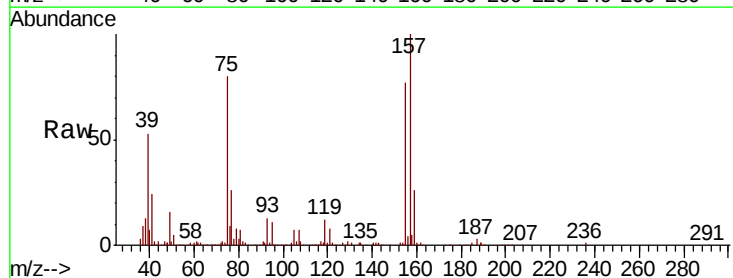
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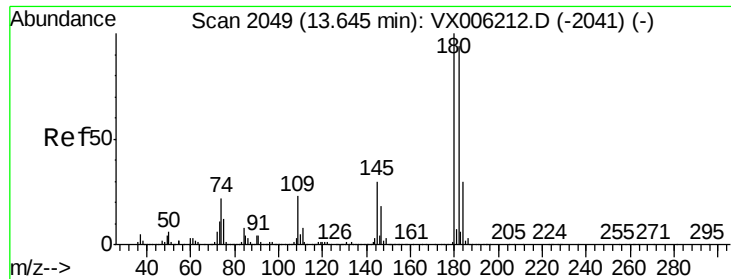
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.747 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38015		
155	98.6	53.4	160.3	
157	128.0	68.0	203.8	





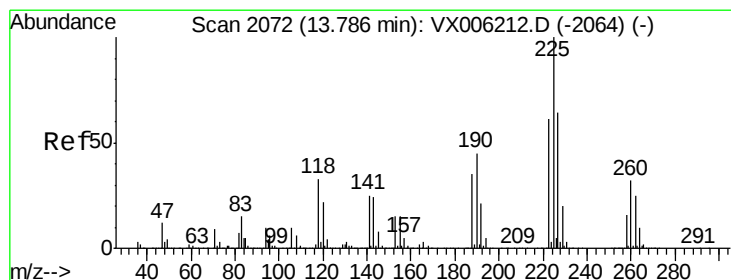
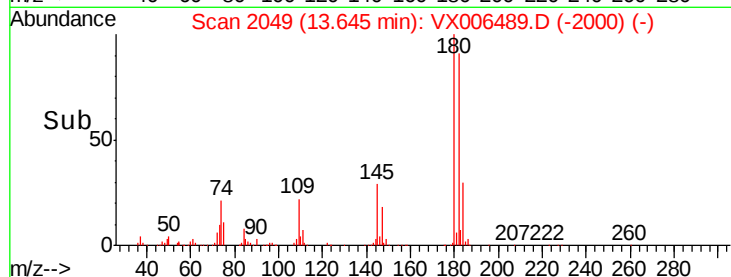
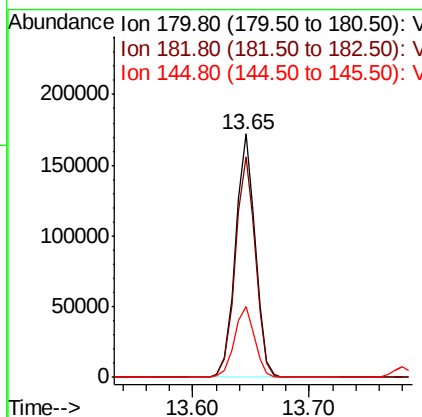
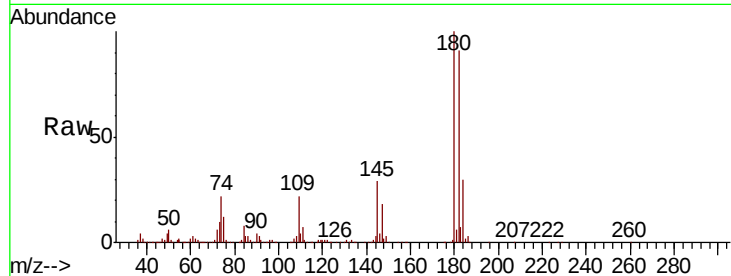
#93
 1,2,4-Trichlorobenzene
 Concen: 20.540 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	203279		
182	92.5	47.3	141.9	
145	29.9	14.6	43.8	

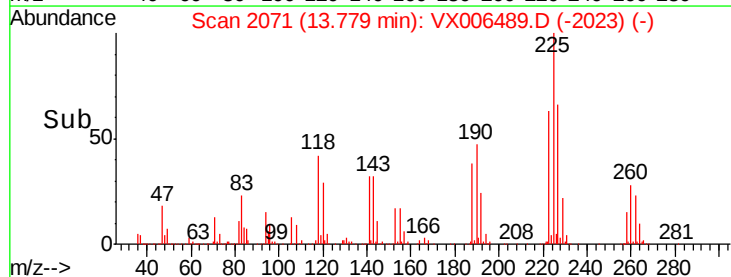
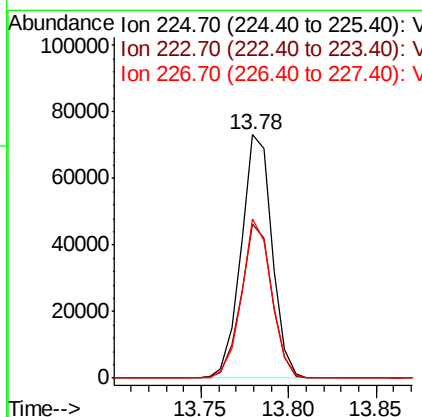
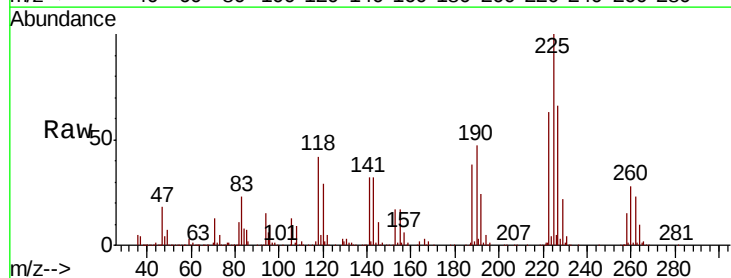
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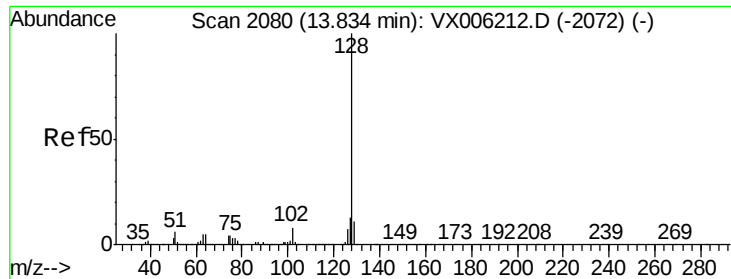
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#94
 Hexachlorobutadiene
 Concen: 20.446 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006489.D
 Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89483		
223	63.2	31.2	93.6	
227	63.4	31.9	95.5	





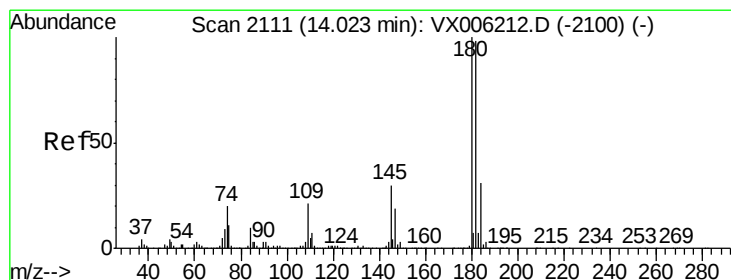
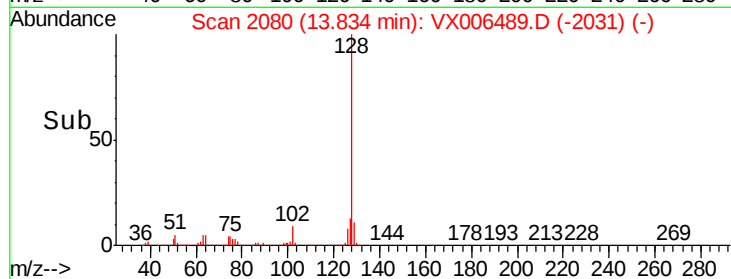
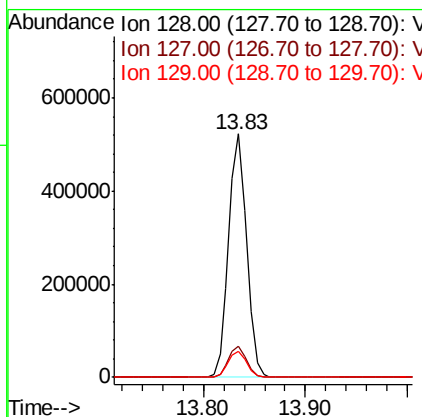
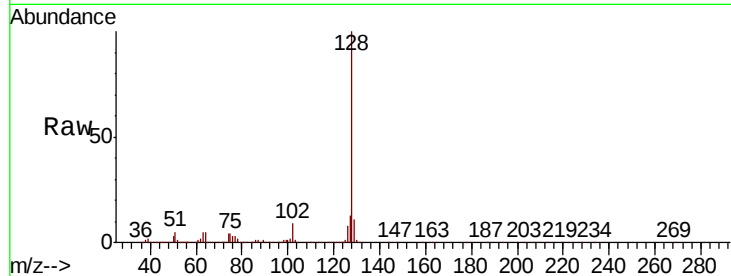
#95
Naphthalene
Concen: 20.667 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.580 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006489.D
Acq: 13 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.2
145	32.0	15.6	46.8

