

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006722.D
 Acq On : 21 Dec 2018 14:36
 Operator : JC/MD
 Sample : VX1221WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 11:21:01 AM

Quant Time: Dec 22 04:35:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	575091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	889888	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	791492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	394234	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	311683	50.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	5.51	113	279800	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	8.71	98	1046739	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.14	95	373874	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	93930	17.854	ug/l	97
3) Chloromethane	1.33	50	92933	16.396	ug/l	96
4) Vinyl Chloride	1.41	62	111454	18.828	ug/l	99
5) Bromomethane	1.64	94	76845	12.472	ug/l	95
6) Chloroethane	1.73	64	70449	17.187	ug/l	99
7) Trichlorofluoromethane	1.93	101	182277	19.750	ug/l	97
8) Diethyl Ether	2.19	74	72281	19.718	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	105222	19.417	ug/l	98
10) Methyl Iodide	2.51	142	87232	11.245	ug/l	98
11) Tert butyl alcohol	3.07	59	144509	104.471	ug/l	99
12) 1,1-Dichloroethene	2.38	96	99403	19.346	ug/l	97
13) Acrolein	2.30	56	91902	98.486	ug/l	98
14) Allyl chloride	2.73	41	169307	19.575	ug/l	99
15) Acrylonitrile	3.15	53	320973	104.510	ug/l	98
16) Acetone	2.45	43	269758	94.732	ug/l	96
17) Carbon Disulfide	2.57	76	230283	16.935	ug/l	99
18) Methyl Acetate	2.78	43	185880	22.199	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	358303	21.010	ug/l	99
20) Methylene Chloride	2.86	84	111305	18.903	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	106850	18.768	ug/l	95
22) Diisopropyl ether	3.87	45	324403	20.502	ug/l	96
23) Vinyl Acetate	3.82	43	1278433	98.778	ug/l	100
24) 1,1-Dichloroethane	3.70	63	180688	19.130	ug/l	99
25) 2-Butanone	4.71	43	400172	99.906	ug/l	98
26) 2,2-Dichloropropane	4.59	77	110756	15.180	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	122871	19.561	ug/l	99
28) Bromochloromethane	5.01	49	84229	20.044	ug/l	99
29) Tetrahydrofuran	5.16	42	273387	103.628	ug/l	98
30) Chloroform	5.21	83	191760	19.605	ug/l	97
31) Cyclohexane	5.58	56	162265	18.910	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	156796	18.985	ug/l	98
36) 1,1-Dichloropropene	5.80	75	140811	19.105	ug/l	99
37) Ethyl Acetate	4.86	43	156024	20.339	ug/l	99
38) Carbon Tetrachloride	5.78	117	132011	18.430	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175116	18.047	ug/l	99
40) Benzene	6.14	78	438834	19.588	ug/l	99
41) Methacrylonitrile	5.06	41	84442	20.733	ug/l	99
42) 1,2-Dichloroethane	6.20	62	149397	19.570	ug/l	99
43) Isopropyl Acetate	6.46	43	234733	20.111	ug/l	100
44) Trichloroethene	7.21	130	126487	18.654	ug/l	93
45) 1,2-Dichloropropane	7.52	63	110026	20.181	ug/l	96
46) Dibromomethane	7.66	93	77507	19.328	ug/l	99
47) Bromodichloromethane	7.90	83	123617	18.568	ug/l	98
48) Methyl methacrylate	7.77	41	123677	20.837	ug/l	98
49) 1,4-Dioxane	7.76	88	58440	363.652	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	783551	105.507	ug/l	99
52) Toluene	8.79	92	279186	19.289	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	122746	17.191	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	143503	18.316	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	119808	20.223	ug/l	99
56) Ethyl methacrylate	9.18	69	169572	20.252	ug/l	98
57) 1,3-Dichloropropane	9.37	76	190011	19.935	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	447874	100.625	ug/l	99
59) 2-Hexanone	9.49	43	583994	102.776	ug/l	99
60) Dibromochloromethane	9.59	129	101673	17.971	ug/l	100
61) 1,2-Dibromoethane	9.67	107	124270	19.733	ug/l	99
64) Tetrachloroethene	9.34	164	120466	19.221	ug/l	93
65) Chlorobenzene	10.14	112	326358	19.490	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	106070	20.303	ug/l	98
67) Ethyl Benzene	10.25	91	535887	19.585	ug/l	97
68) m/p-Xylenes	10.36	106	419433	38.847	ug/l	100
69) o-Xylene	10.70	106	207287	19.442	ug/l	98
70) Styrene	10.71	104	329520	19.536	ug/l	99
71) Bromoform	10.86	173	71201	18.222	ug/l #	98
73) Isopropylbenzene	11.02	105	553428	20.520	ug/l	99
74) N-amyl acetate	10.90	43	210325	21.787	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	177418	22.119	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	155783m	21.263	ug/l	
77) Bromobenzene	11.26	156	147813	20.272	ug/l	99
78) n-propylbenzene	11.36	91	596816	20.095	ug/l	100
79) 2-Chlorotoluene	11.42	91	357495	19.863	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	454077	20.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	31719	16.292	ug/l #	84
82) 4-Chlorotoluene	11.51	91	410395	19.878	ug/l	100
83) tert-Butylbenzene	11.77	119	455197	20.474	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	456646	19.543	ug/l	99
85) sec-Butylbenzene	11.94	105	549054	20.142	ug/l	100
86) p-Isopropyltoluene	12.07	119	482389	20.131	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	258795	19.693	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	258064	19.156	ug/l	99
89) n-Butylbenzene	12.39	91	400063	19.618	ug/l	99
90) Hexachloroethane	12.60	117	62270	18.804	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	261444	19.888	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31941	19.246	ug/l	98

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ClientSampleId :
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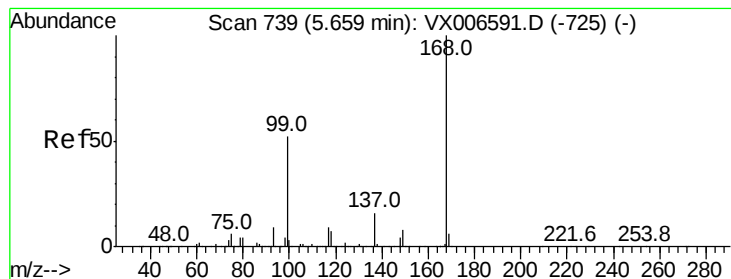
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	176847	19.503	ug/l	99
94) Hexachlorobutadiene	13.79	225	81638	19.101	ug/l	97
95) Naphthalene	13.83	128	579214	20.013	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	184719	19.730	ug/l	97

(#) = 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. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion:168 Resp: 575091

Ion Ratio Lower Upper

168 100

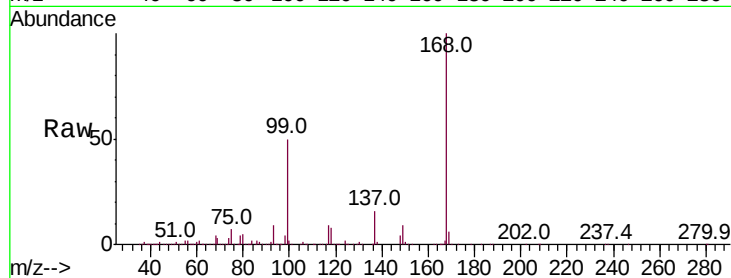
99 49.7 41.8 62.8

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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

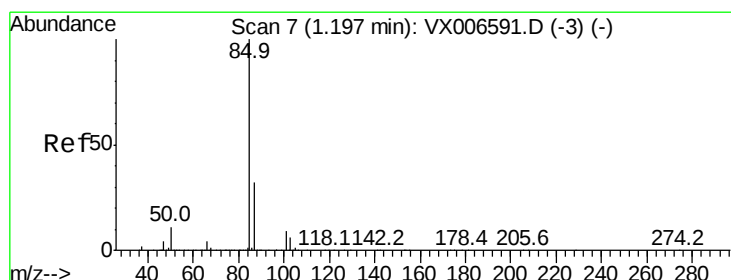
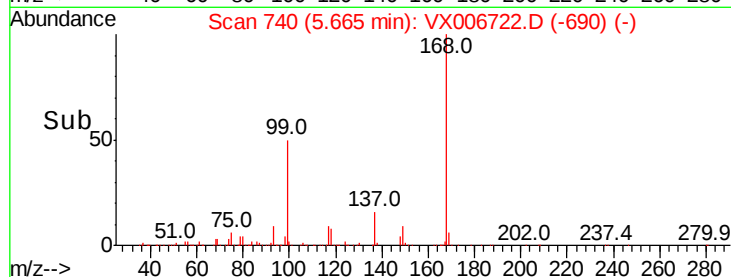
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.854 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006722.D

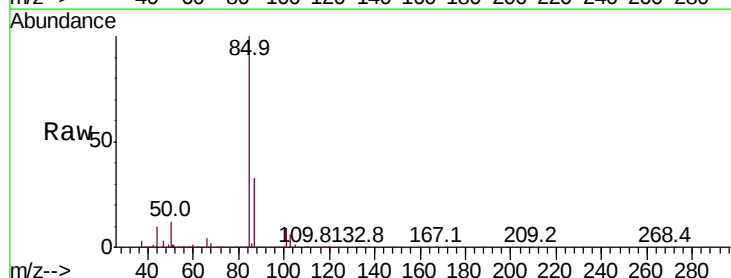
Acq: 21 Dec 2018 14:36

Tgt Ion: 85 Resp: 93930

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

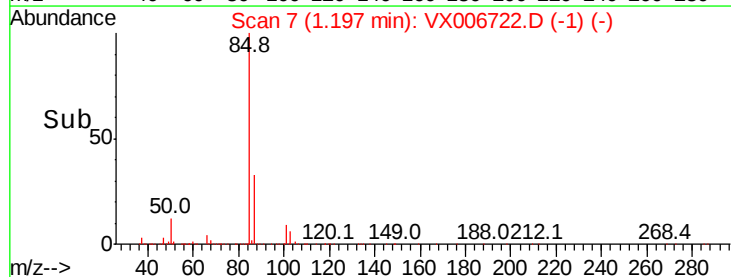
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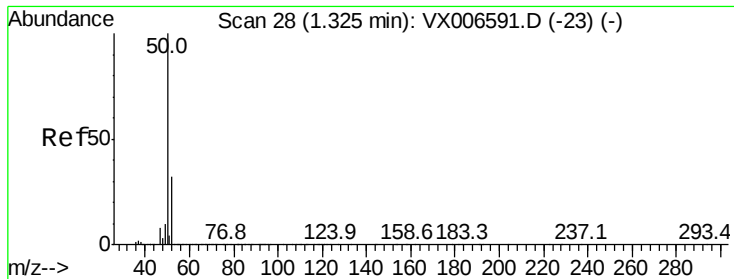
40000

20000

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Time-->





#3

Chloromethane

Concen: 16.396 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 50 Resp: 92933

Ion Ratio Lower Upper

50 100

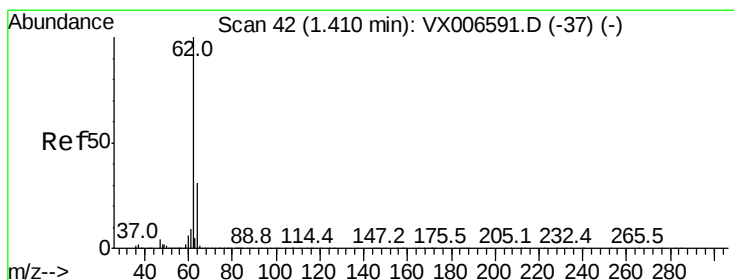
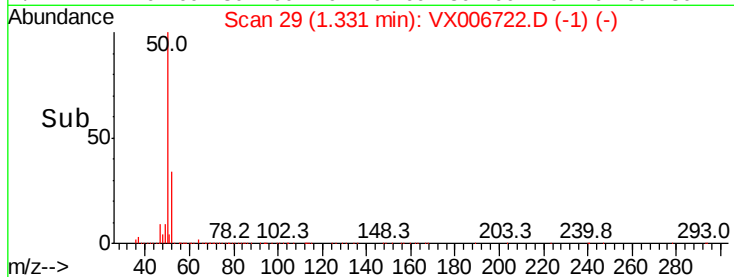
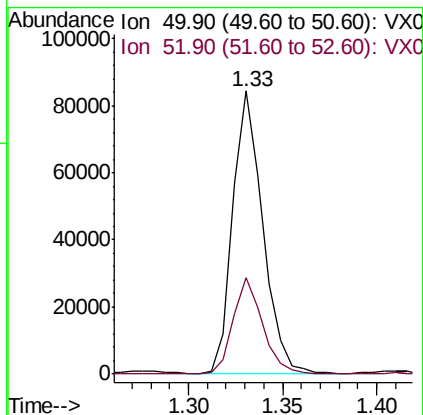
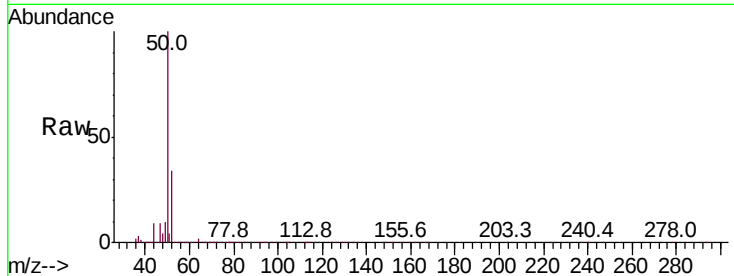
52 33.9 25.4 38.2

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#4

Vinyl Chloride

Concen: 18.828 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006722.D

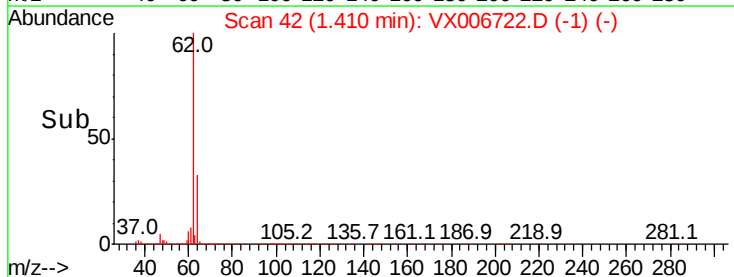
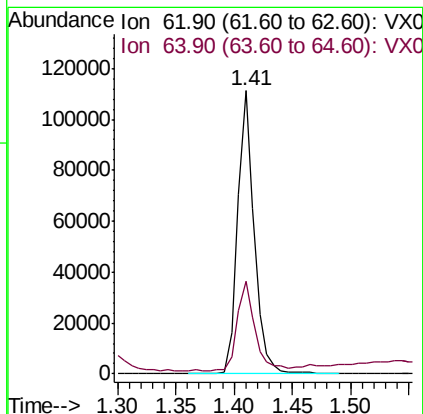
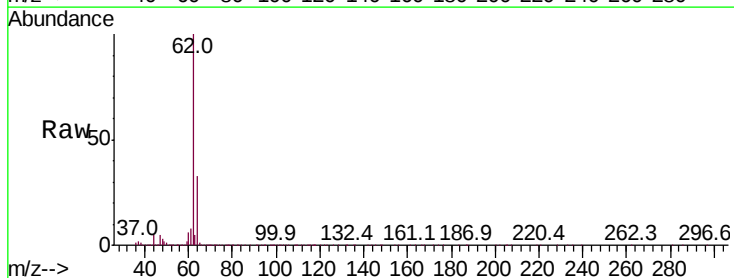
Acq: 21 Dec 2018 14:36

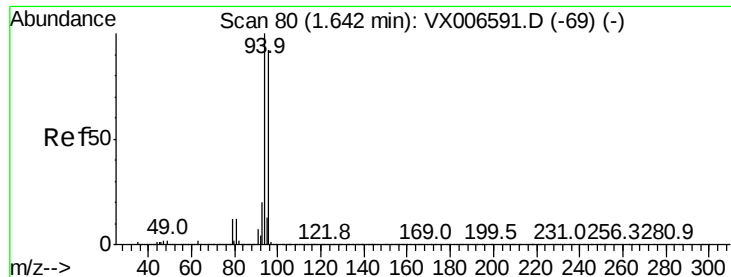
Tgt Ion: 62 Resp: 111454

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 12.472 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 94 Resp: 76845

Ion Ratio Lower Upper

94 100

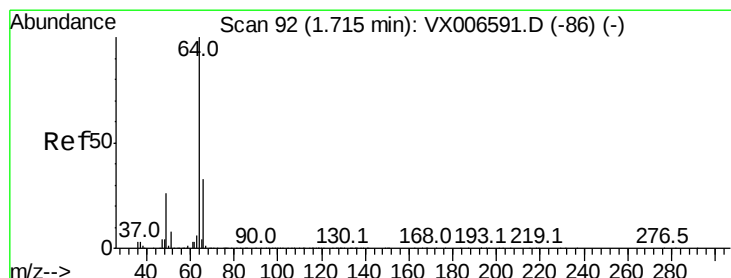
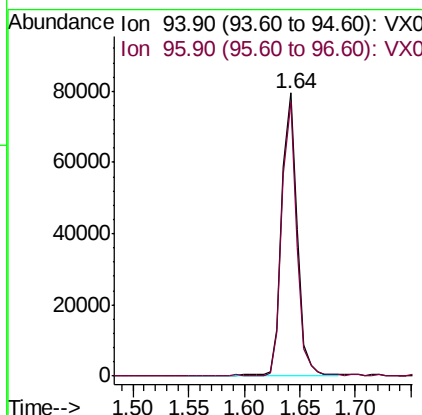
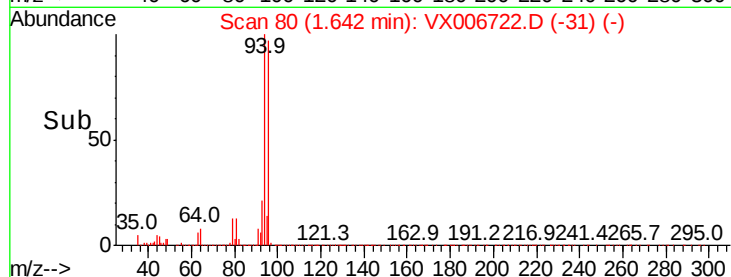
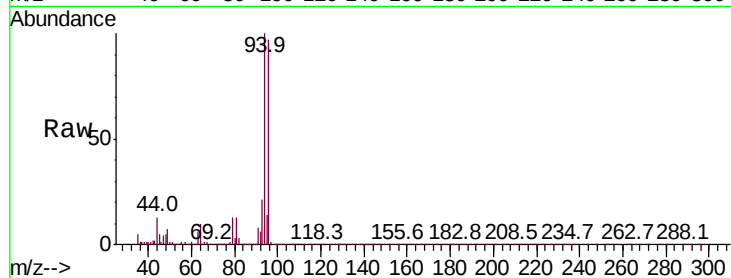
96 96.9 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 17.187 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006722.D

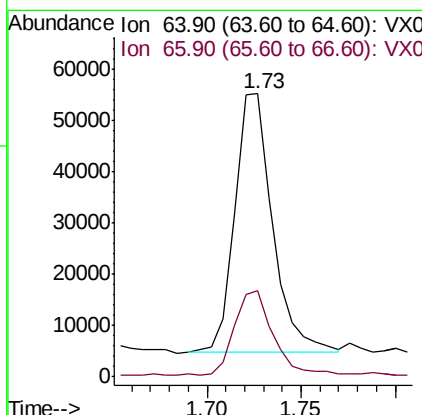
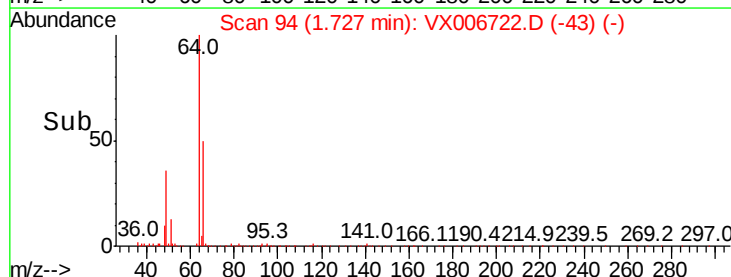
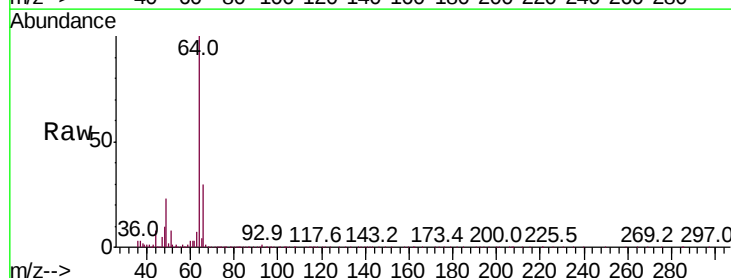
Acq: 21 Dec 2018 14:36

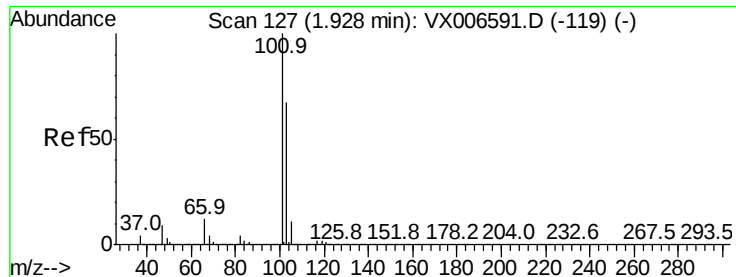
Tgt Ion: 64 Resp: 70449

Ion Ratio Lower Upper

64 100

66 32.2 26.4 39.6





#7

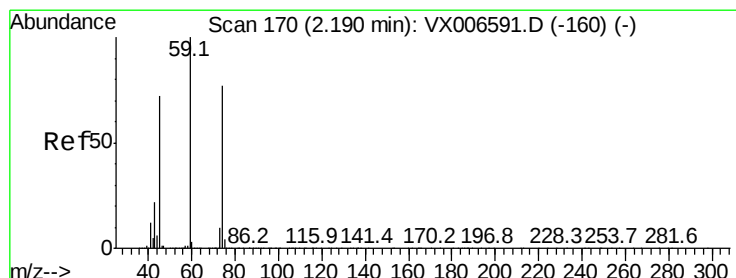
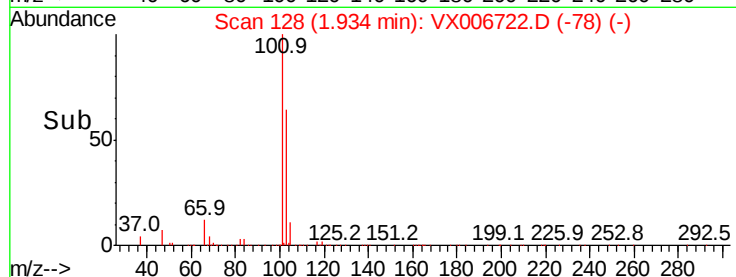
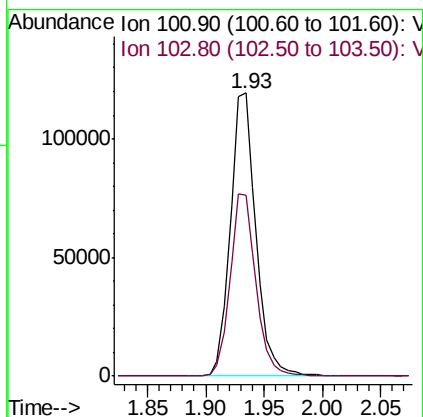
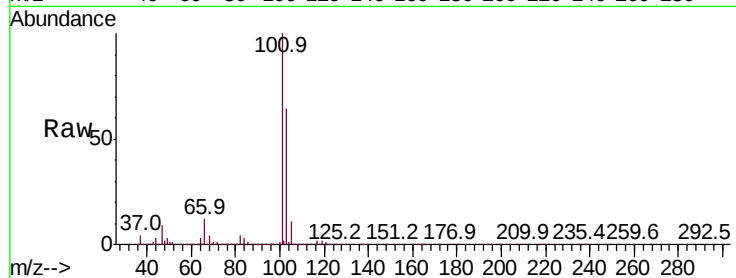
Trichlorofluoromethane
 Concen: 19.750 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

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 ClientSampleId :
 VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.2	79.8

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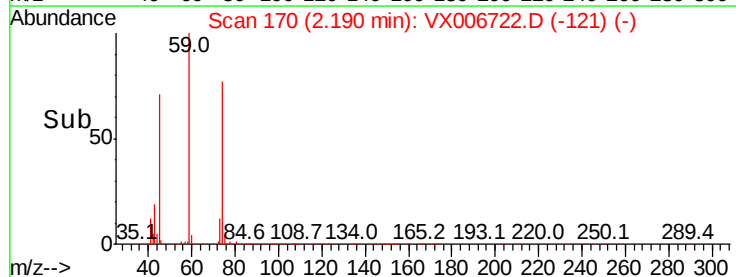
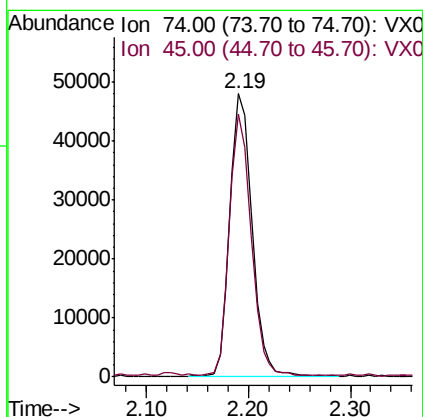
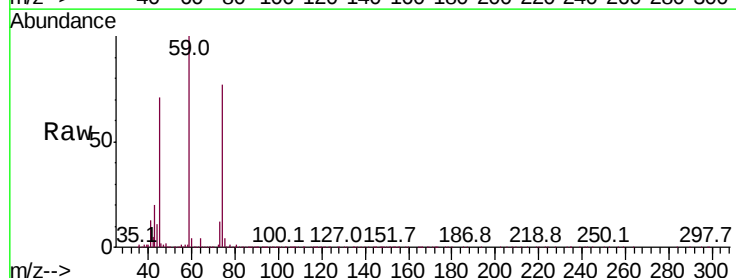
MMDadoda
 12/22/2018 11:21:01 AM

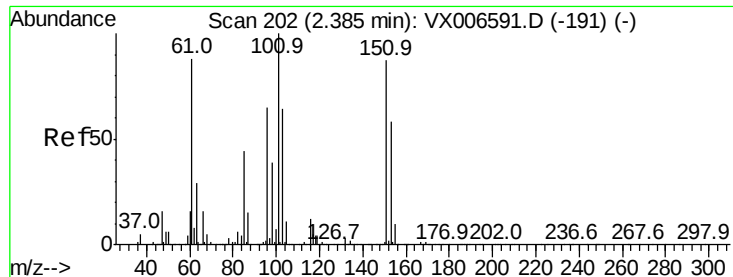


#8

Diethyl Ether
 Concen: 19.718 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.0	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.417 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

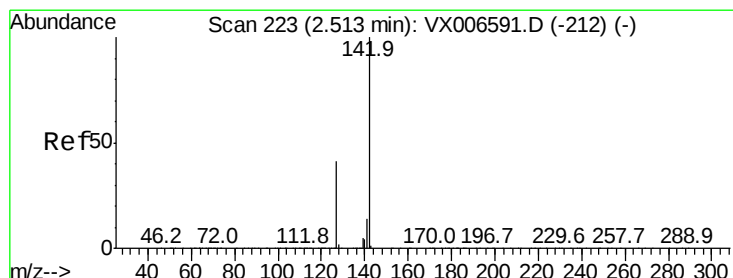
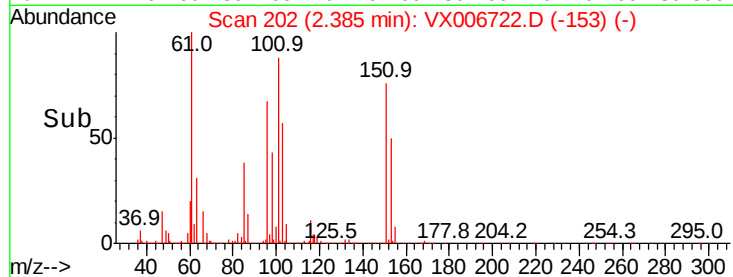
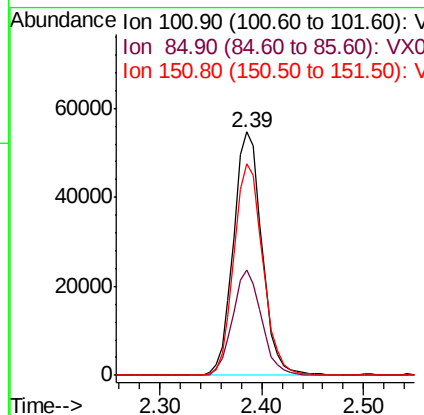
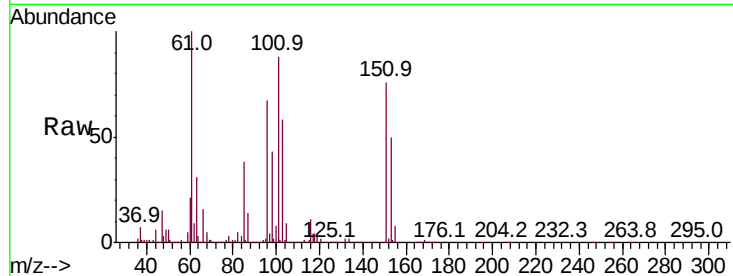
ClientSampleId :

VX1221WBSD01

Tot Ion:	101	Resp:	105222
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.1	52.7
151	88.4	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 11.245 ug/l

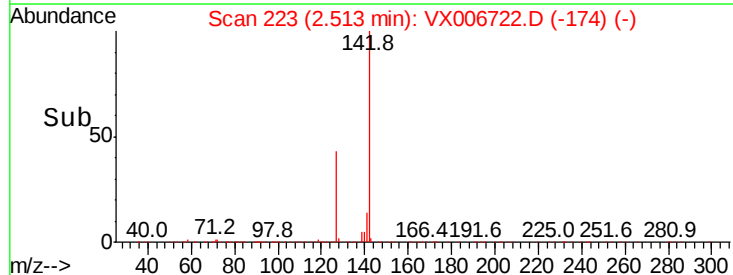
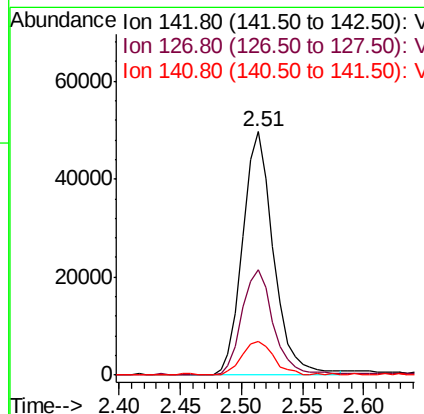
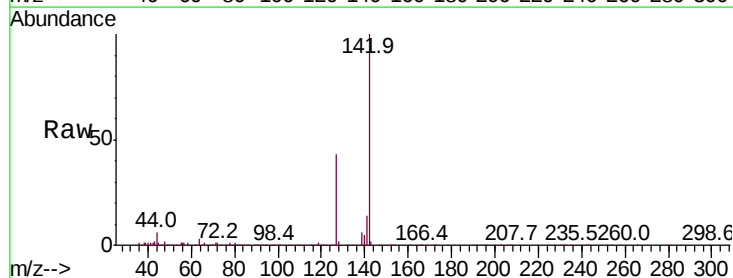
RT: 2.51 min Scan# 223

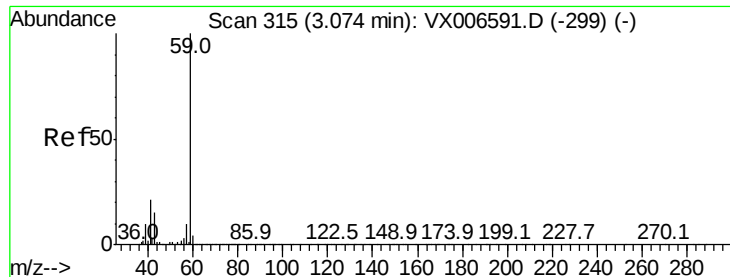
Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion:	142	Resp:	87232
Ion Ratio	Lower	Upper	
142	100		
127	44.1	33.9	50.9
141	14.0	11.4	17.0





#11

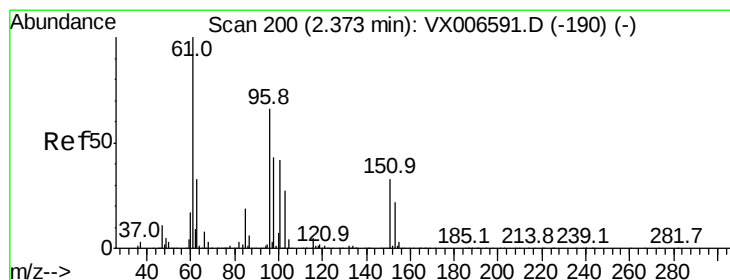
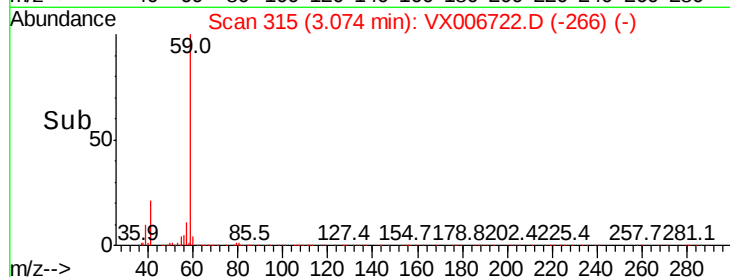
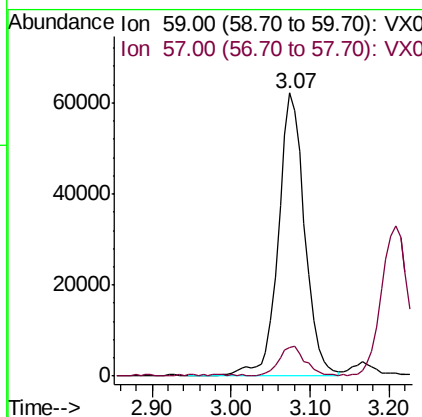
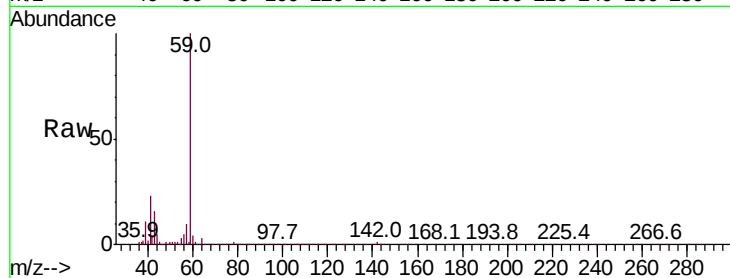
Tert butyl alcohol
 Concen: 104.471 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

Manual Integrations
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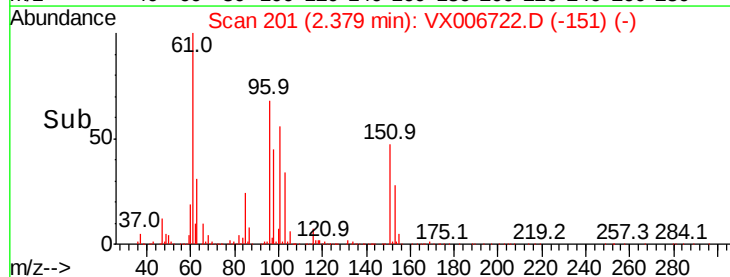
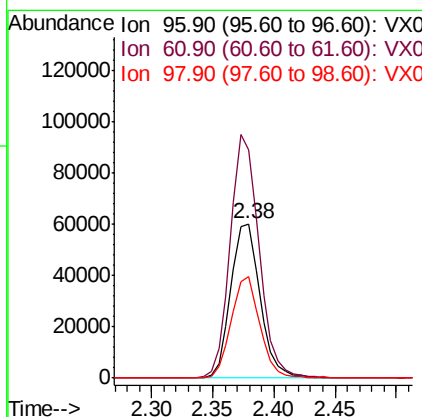
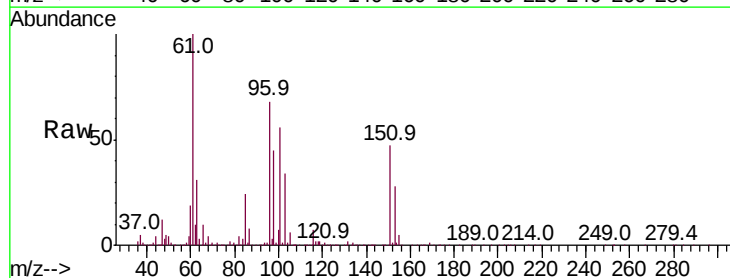
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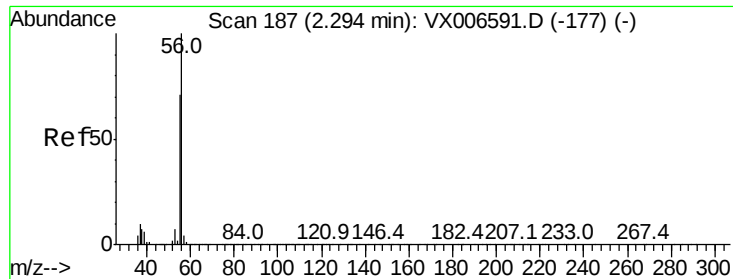


#12

1,1-Dichloroethene
 Concen: 19.346 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.7	121.4	182.2
98	65.6	51.9	77.9





#13

Acrolein

Concen: 98.486 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 56 Resp: 91902

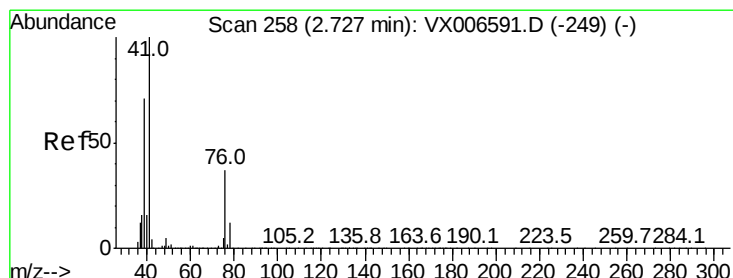
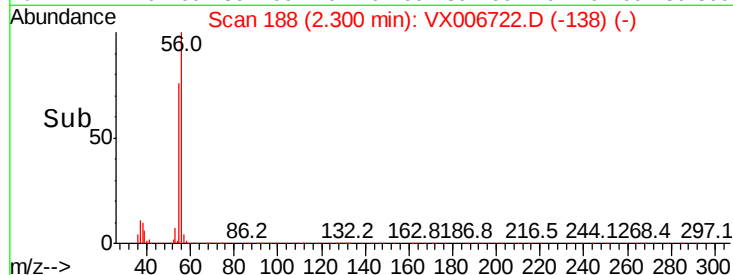
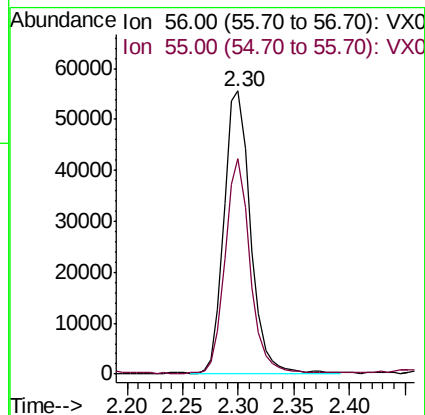
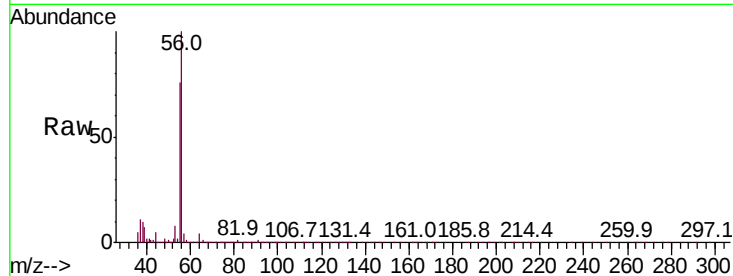
Ion Ratio Lower Upper

56 100

55 71.4 58.2 87.4

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#14

Allyl chloride

Concen: 19.575 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

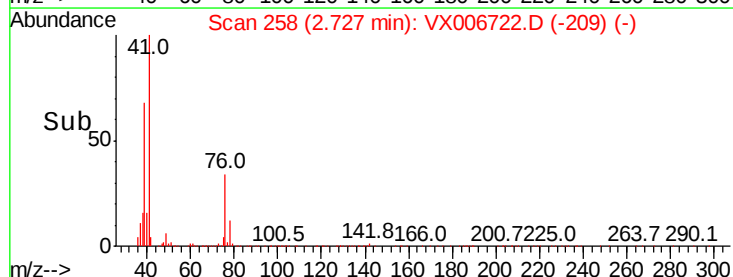
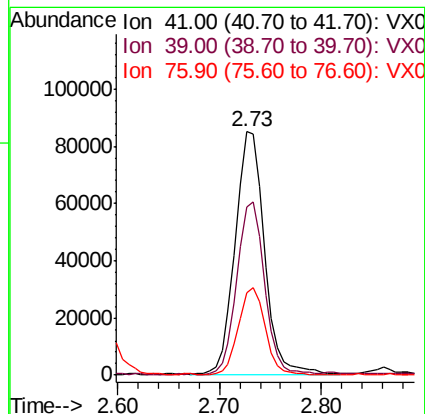
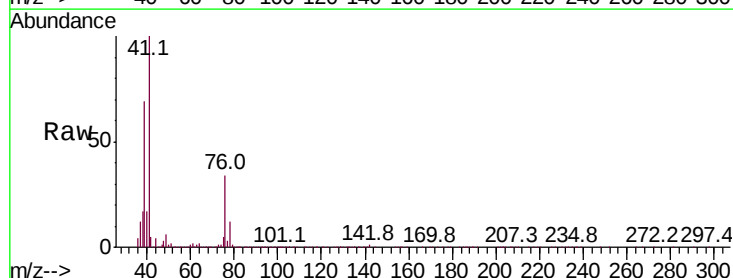
Tgt Ion: 41 Resp: 169307

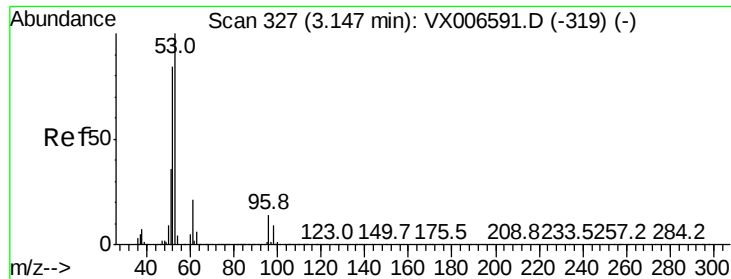
Ion Ratio Lower Upper

41 100

39 67.2 53.6 80.4

76 32.5 27.4 41.2





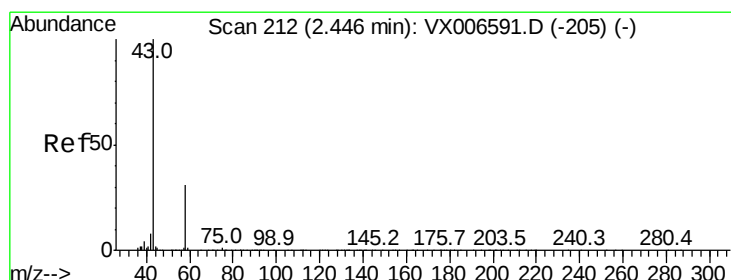
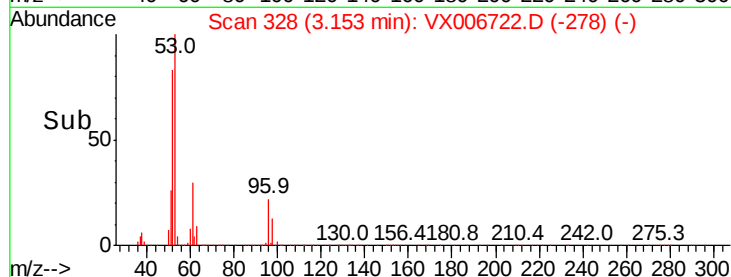
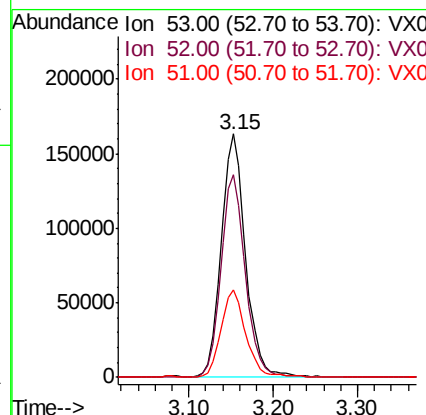
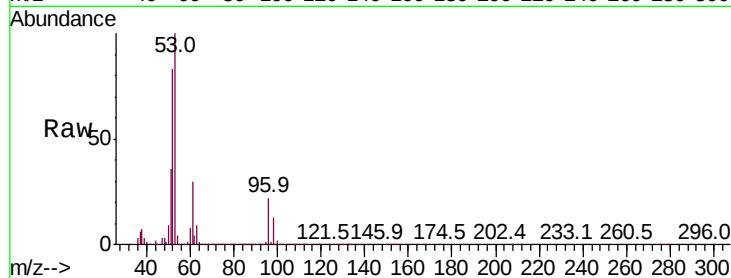
#15
Acrylonitrile
Concen: 104.510 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.0	99.0
51	36.8	28.6	42.8

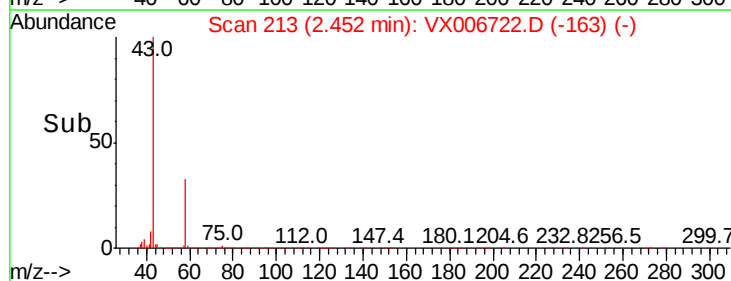
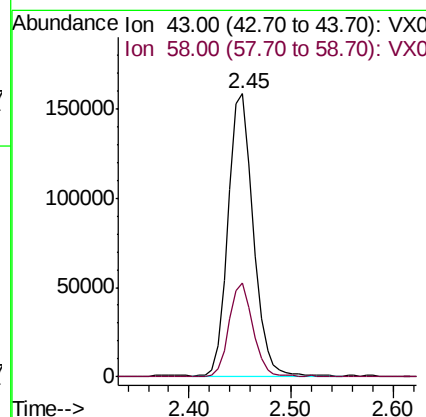
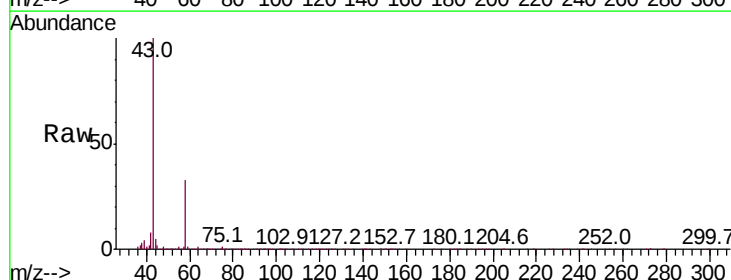
Manual Integrations
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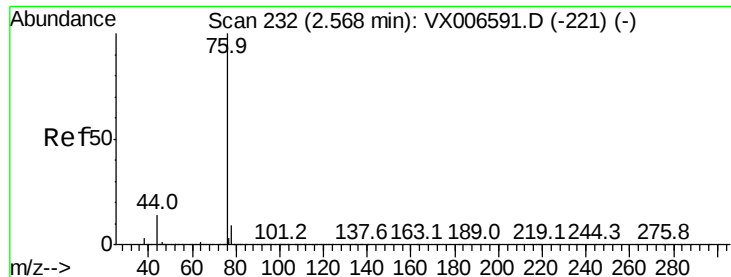
MMDadoda
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#16
Acetone
Concen: 94.732 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.0	37.6





#17

Carbon Disulfide

Concen: 16.935 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 76 Resp: 230283

Ion Ratio Lower Upper

76 100

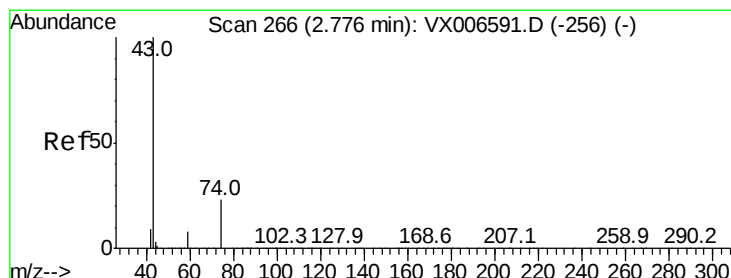
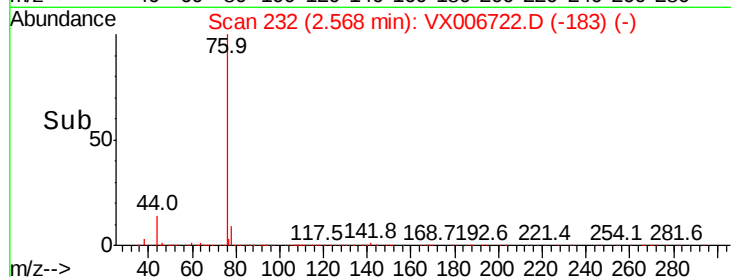
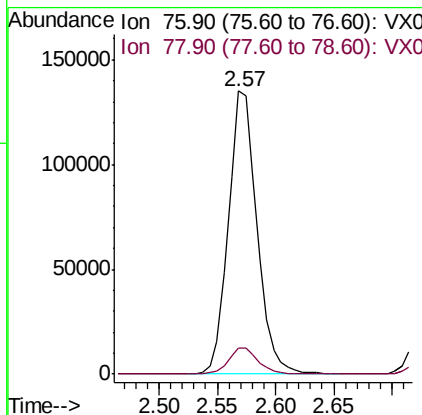
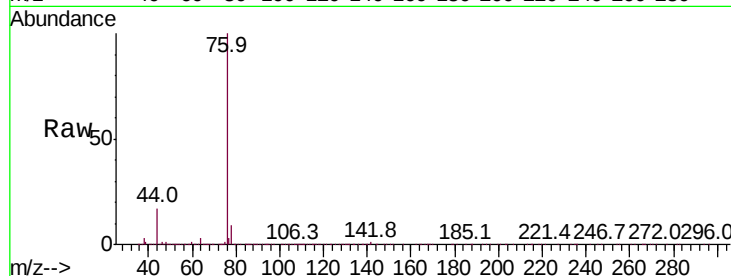
78 9.1 7.0 10.6

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#18

Methyl Acetate

Concen: 22.199 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006722.D

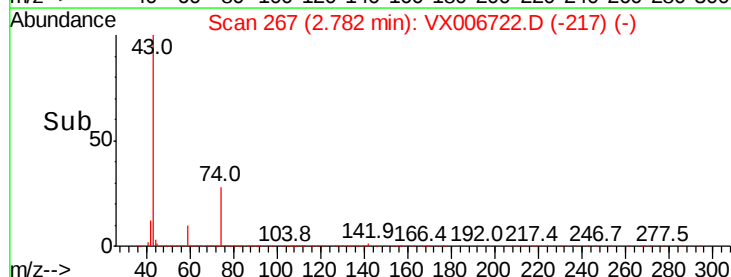
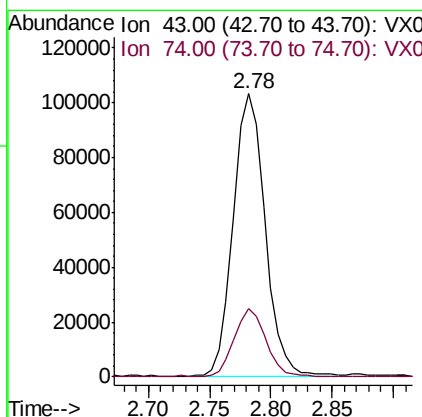
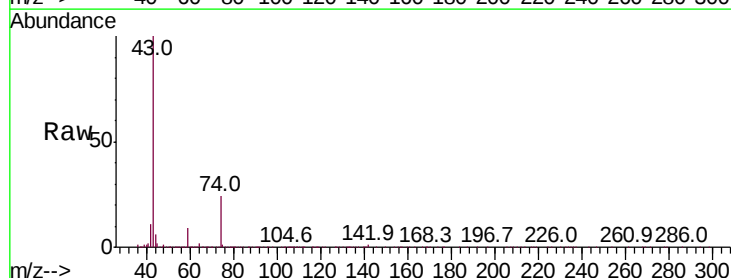
Acq: 21 Dec 2018 14:36

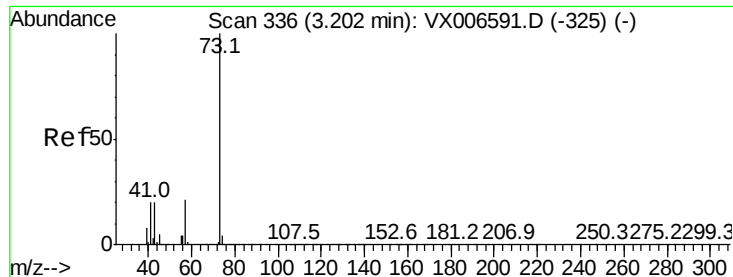
Tgt Ion: 43 Resp: 185880

Ion Ratio Lower Upper

43 100

74 23.9 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 21.010 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX006722.D

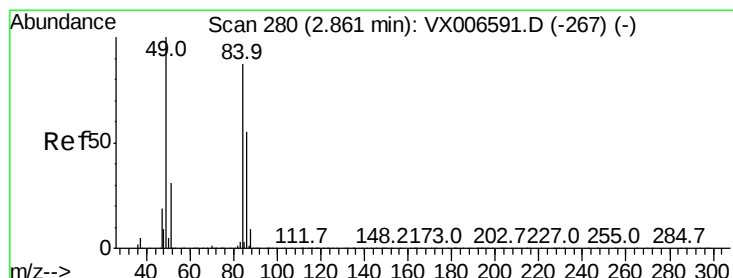
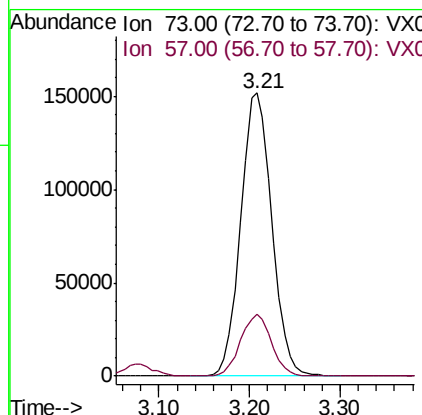
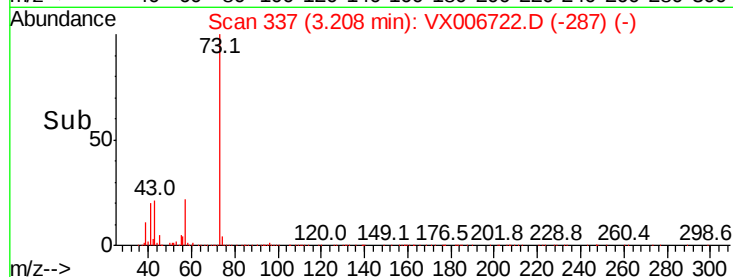
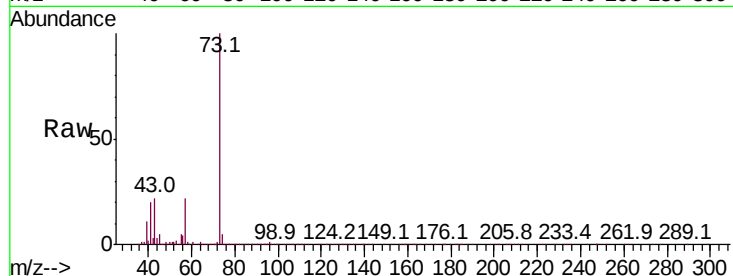
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.8	25.2

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#20

Methylene Chloride

Concen: 18.903 ug/l

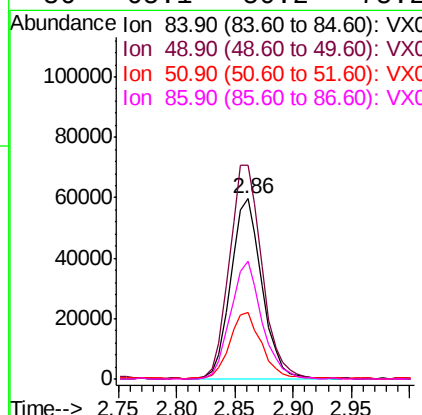
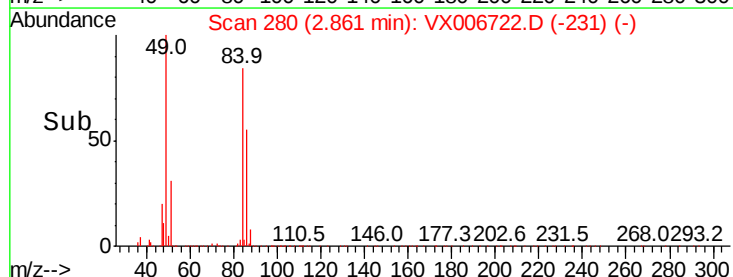
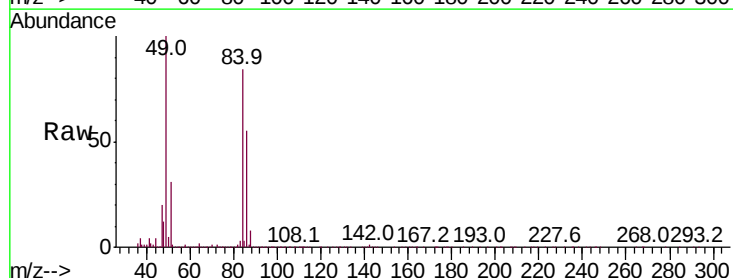
RT: 2.86 min Scan# 280

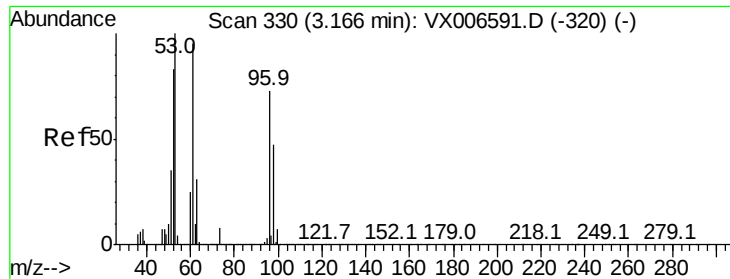
Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.1	91.8	137.6
51	36.9	28.5	42.7
86	65.1	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.768 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 96 Resp: 106850

Ion Ratio Lower Upper

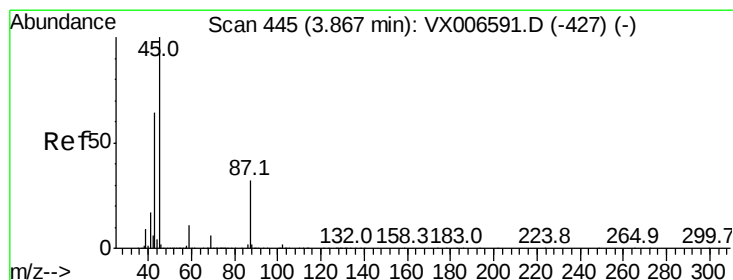
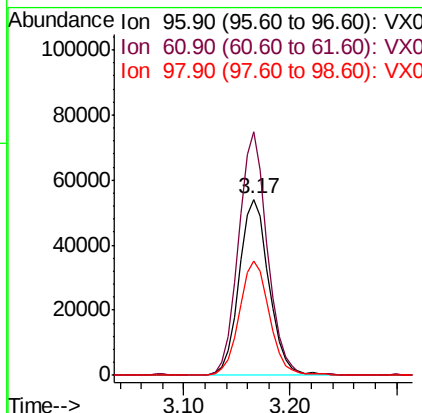
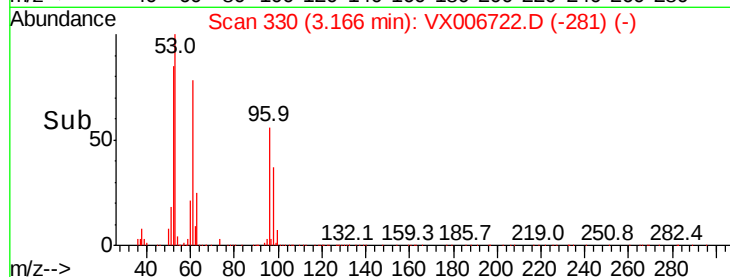
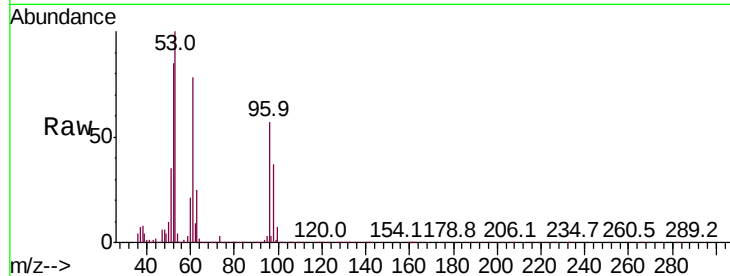
96 100

61 138.1 103.7 155.5

98 64.6 51.0 76.6

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#22

Diisopropyl ether

Concen: 20.502 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion: 45 Resp: 324403

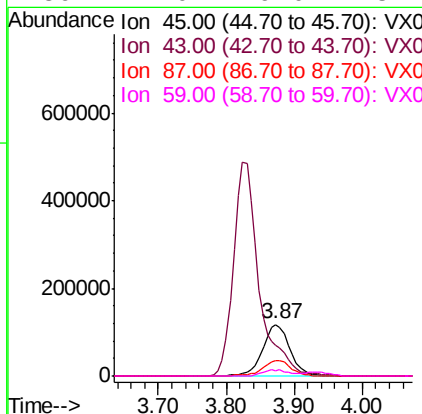
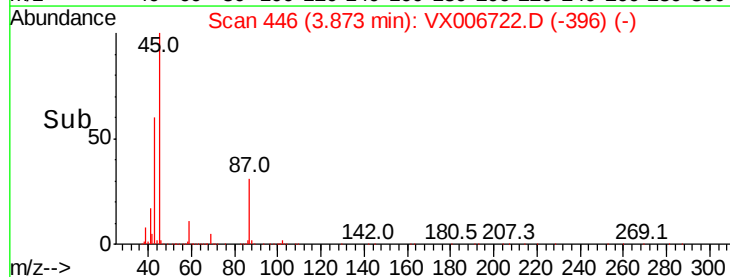
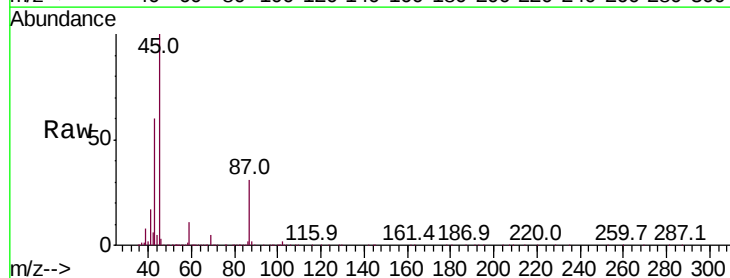
Ion Ratio Lower Upper

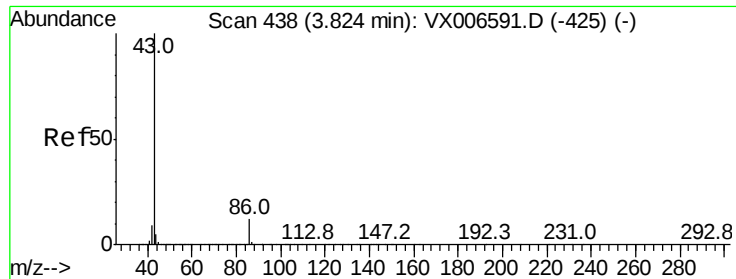
45 100

43 59.9 51.2 76.8

87 31.2 25.8 38.6

59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 98.778 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 43 Resp: 1278433

Ion Ratio Lower Upper

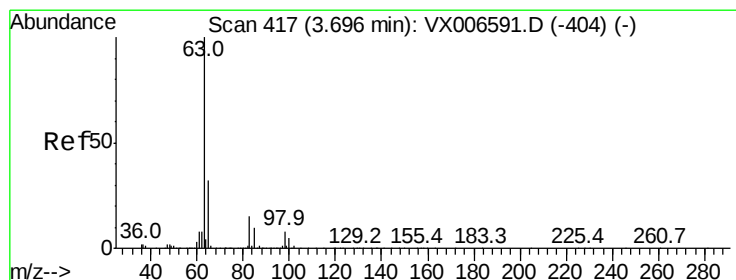
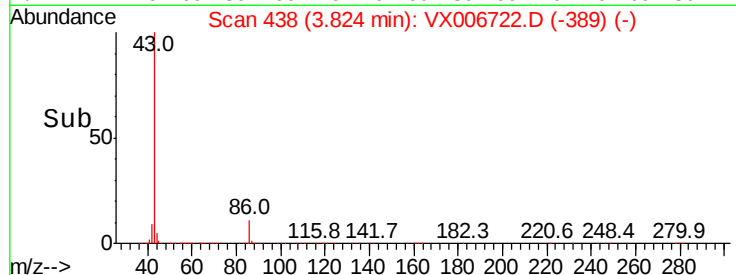
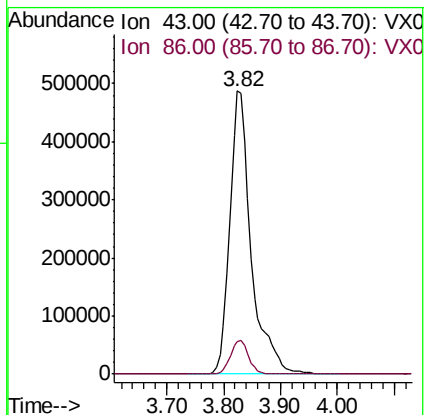
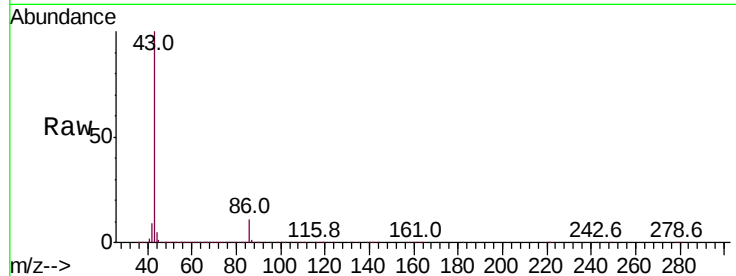
43 100

86 11.5 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 19.130 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

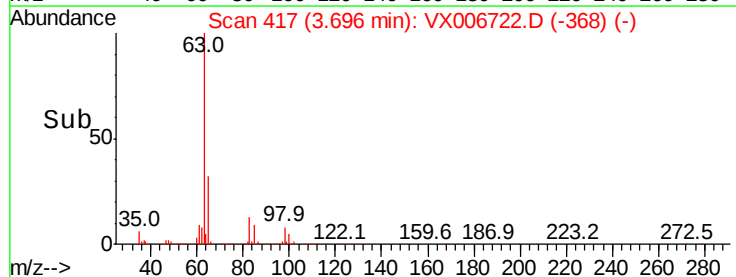
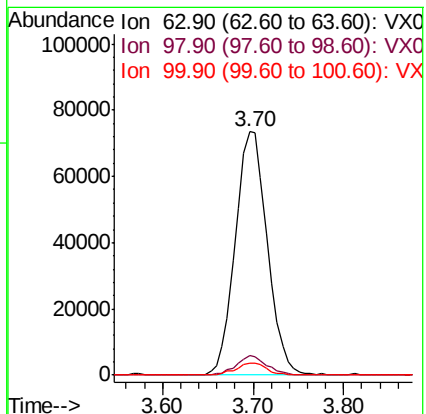
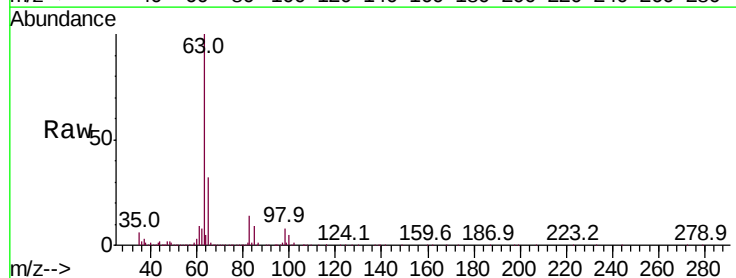
Tgt Ion: 63 Resp: 180688

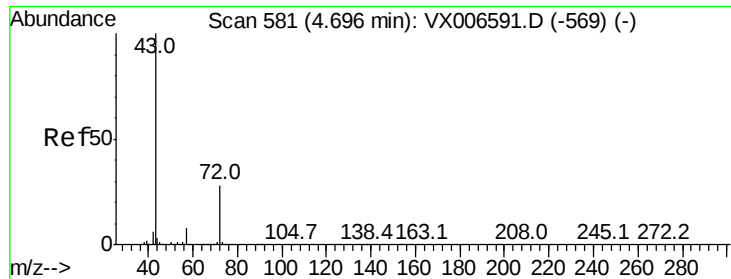
Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.5

100 4.6 2.4 7.2





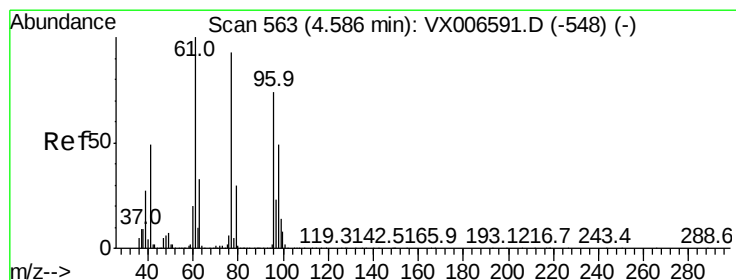
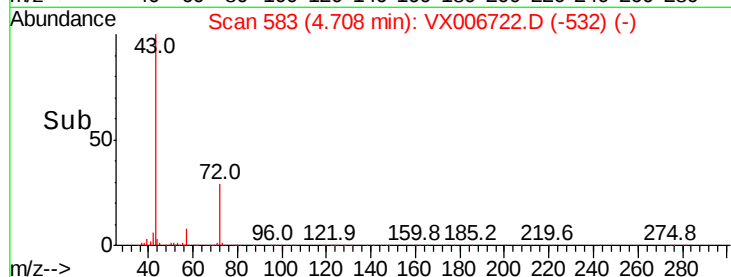
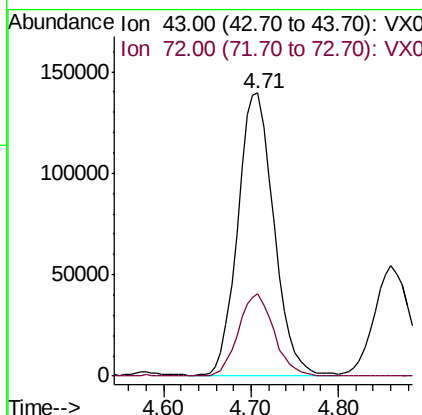
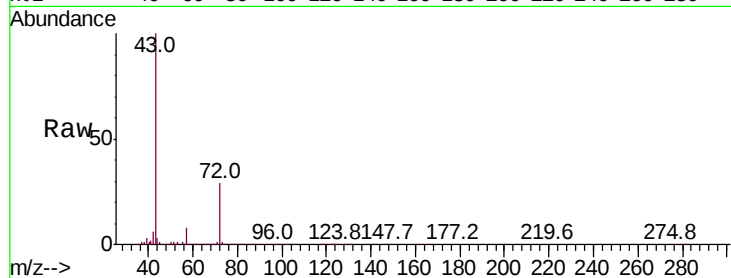
#25
2-Butanone
Concen: 99.906 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion: 43 Resp: 400172
Ion Ratio Lower Upper
43 100
72 29.2 22.4 33.6

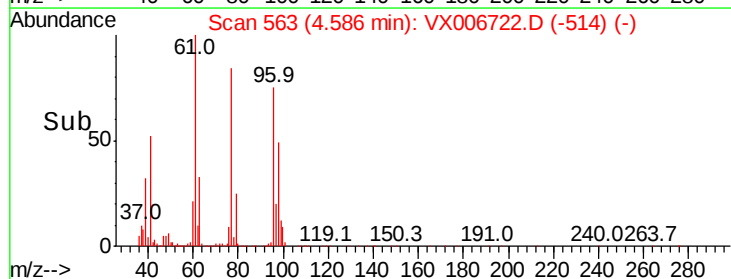
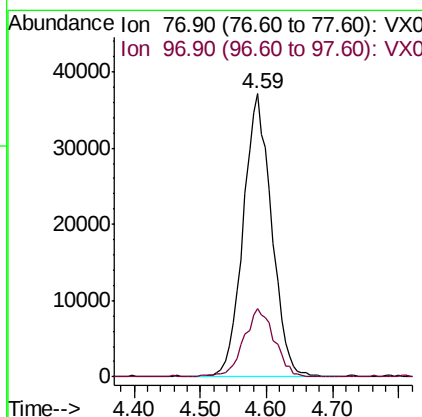
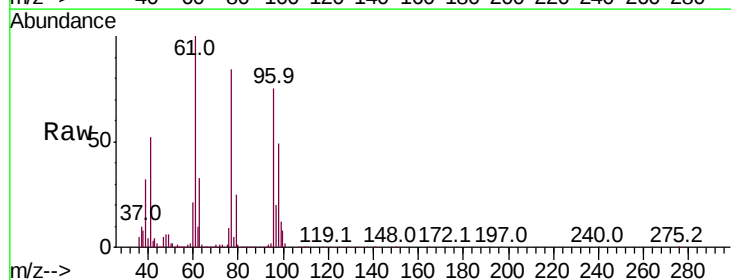
Manual Integrations
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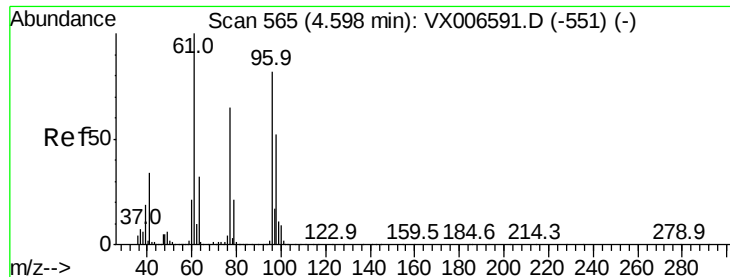
MMDadoda
12/22/2018 11:21:01 AM



#26
2,2-Dichloropropane
Concen: 15.180 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 77 Resp: 110756
Ion Ratio Lower Upper
77 100
97 26.3 12.4 37.4





#27

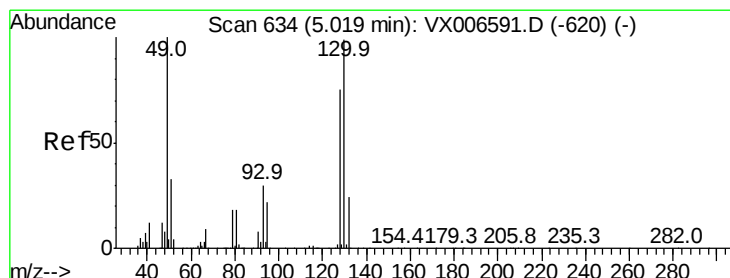
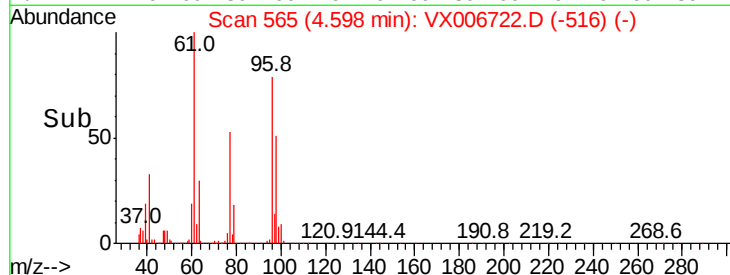
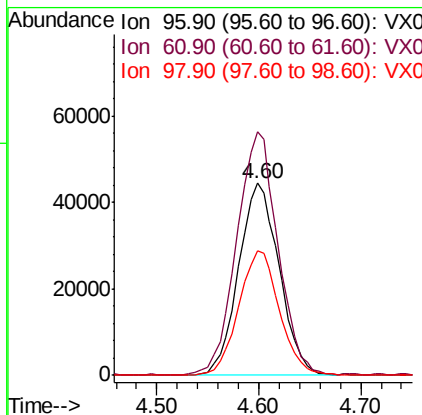
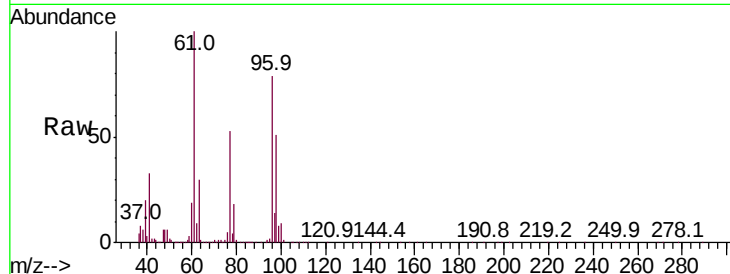
cis-1,2-Dichloroethene
Concen: 19.561 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122871		
61	127.8	0.0	258.6	
98	64.9	0.0	132.0	

Manual Integrations
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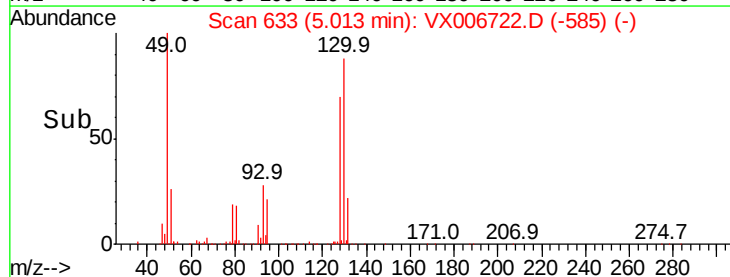
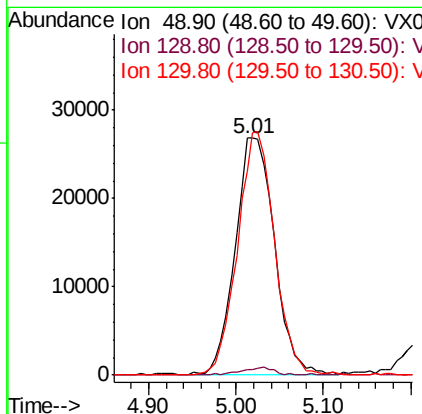
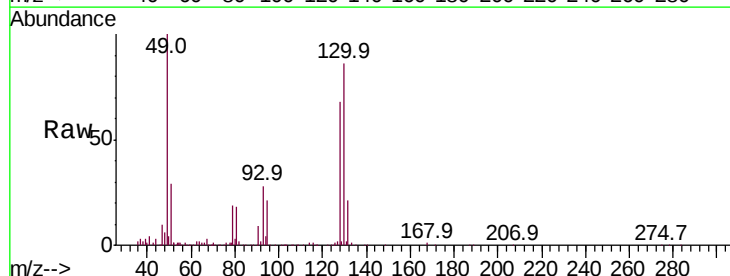
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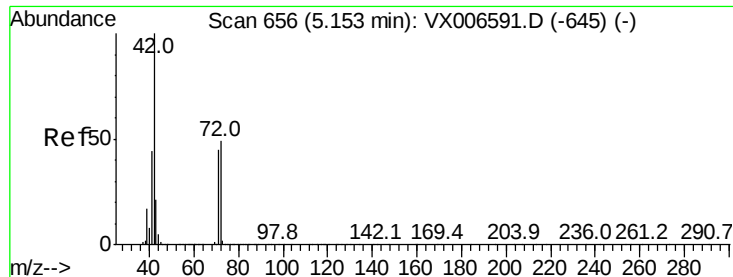


#28

Bromochloromethane
Concen: 20.044 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84229		
129	2.8	0.0	5.4	
130	96.2	77.7	116.5	





#29

Tetrahydrofuran

Concen: 103.628 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

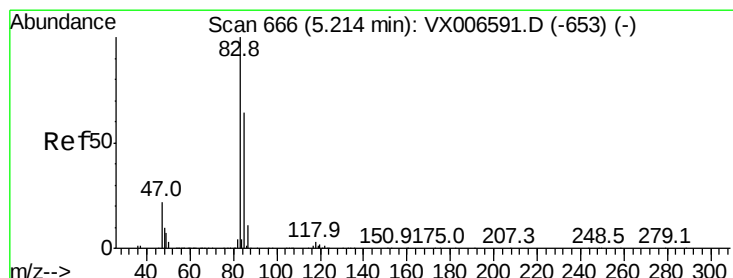
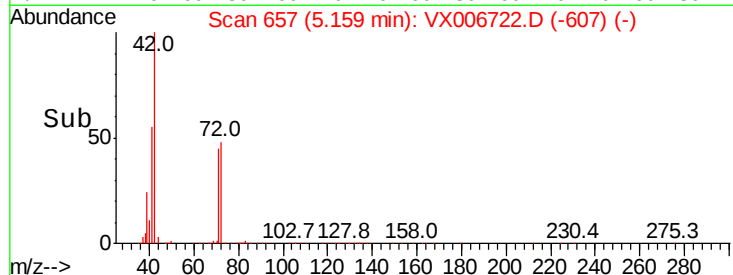
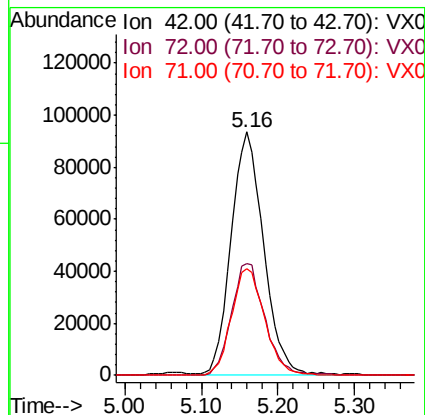
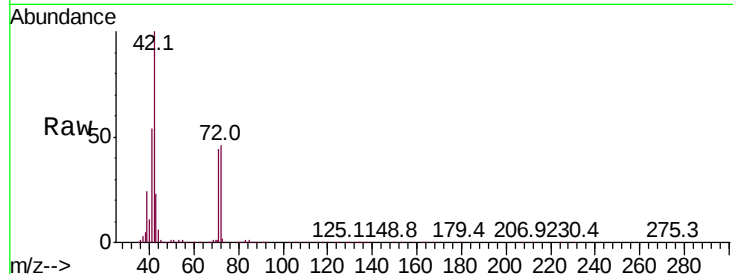
ClientSampleId :

VX1221WBSD01

Tot Ion:	42	Resp:	273387
Ion Ratio		Lower	Upper
42	100		
72	46.7	38.9	58.3
71	44.9	36.2	54.4

Manual Integrations
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#30

Chloroform

Concen: 19.605 ug/l

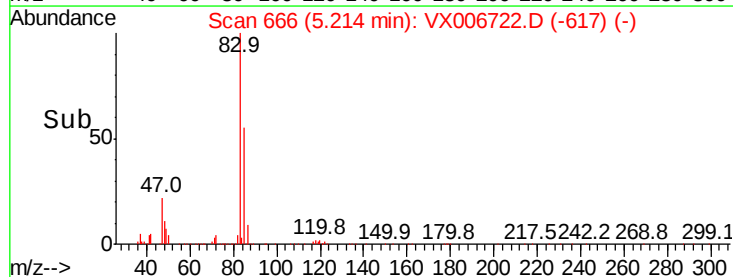
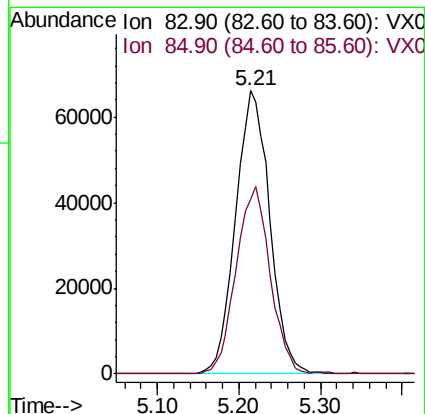
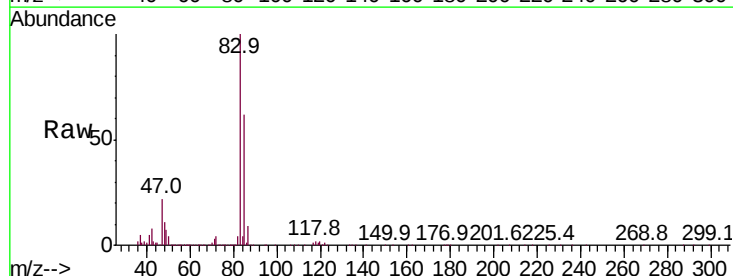
RT: 5.21 min Scan# 666

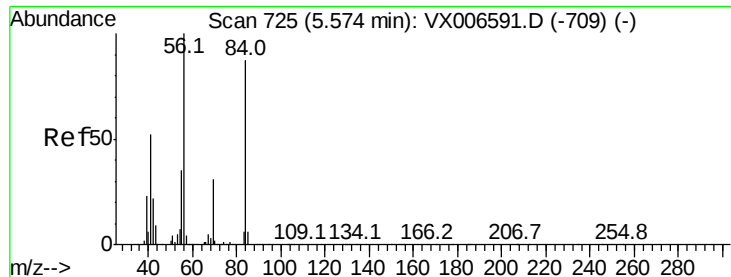
Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion:	83	Resp:	191760
Ion Ratio		Lower	Upper
83	100		
85	61.7	51.2	76.8





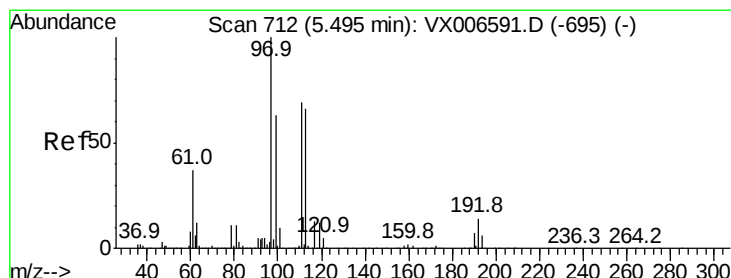
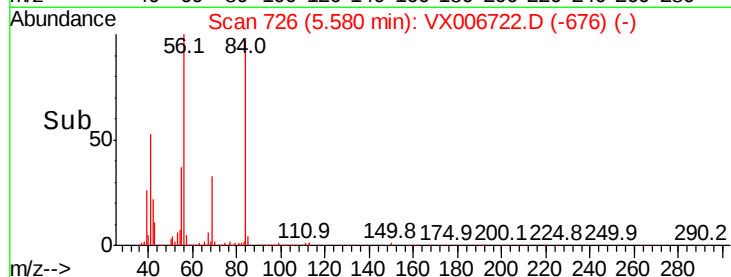
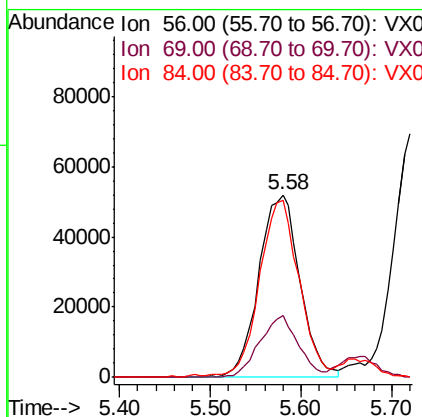
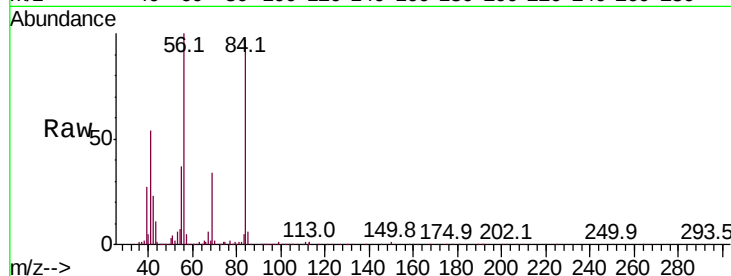
#31
Cyclohexane
Concen: 18.910 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.4	36.6
84	96.0	70.0	105.0

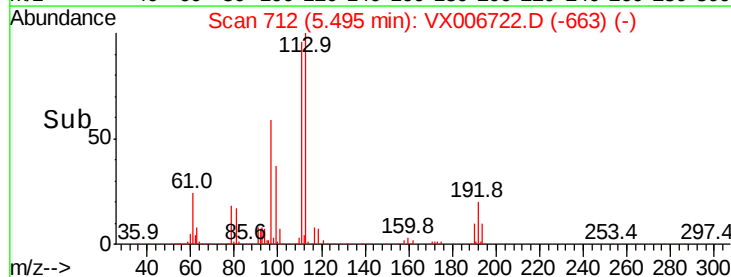
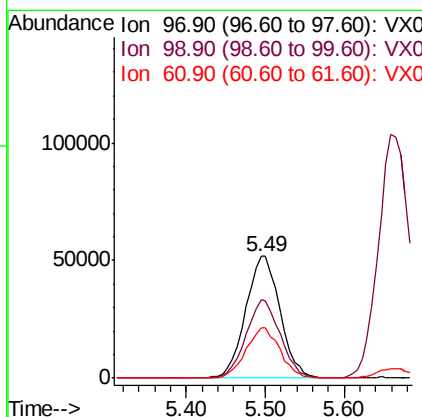
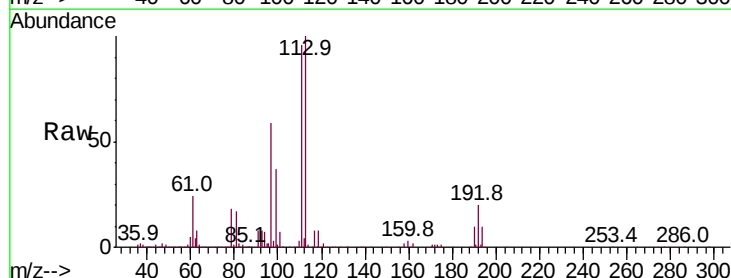
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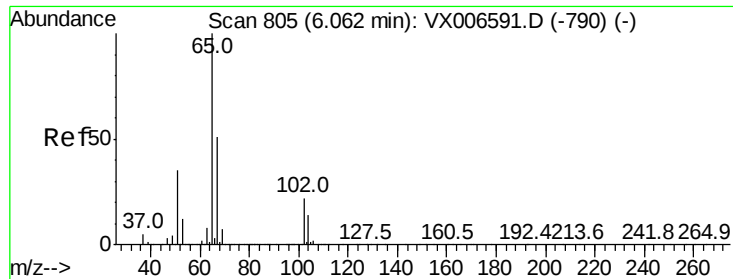
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#32
1,1,1-Trichloroethane
Concen: 18.985 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	41.3	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.287 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 65 Resp: 311683

Ion Ratio Lower Upper

65 100

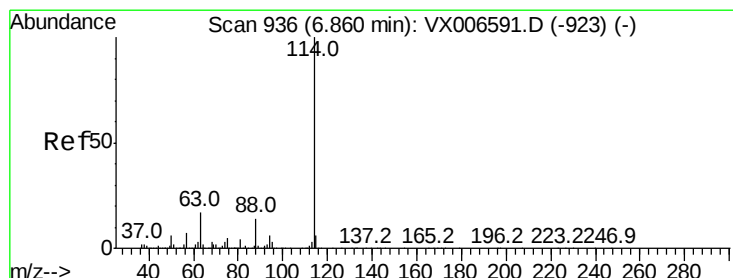
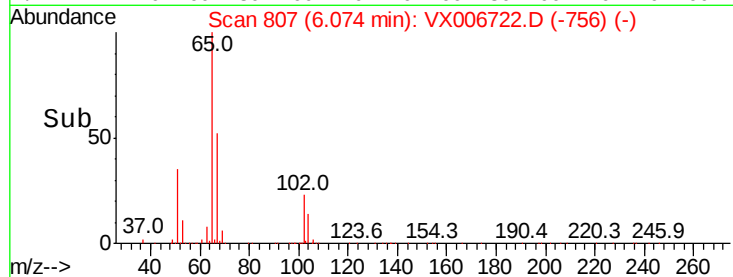
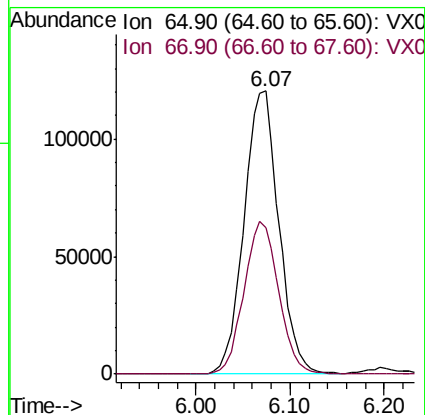
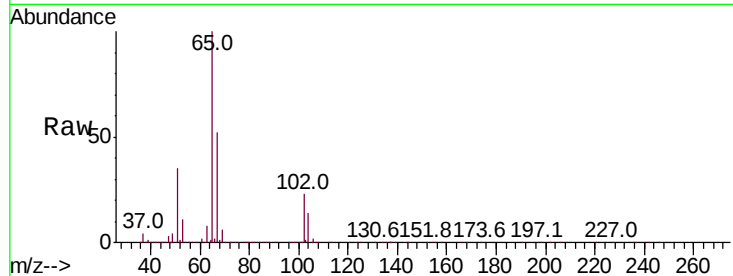
67 53.9 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

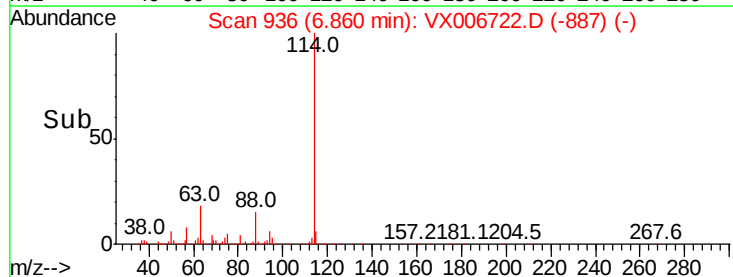
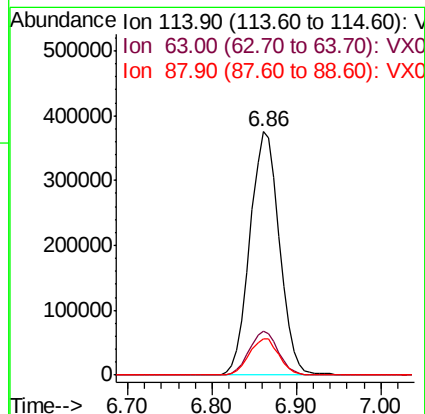
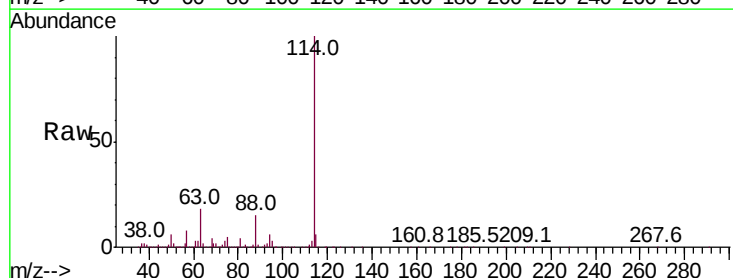
Tgt Ion: 114 Resp: 889888

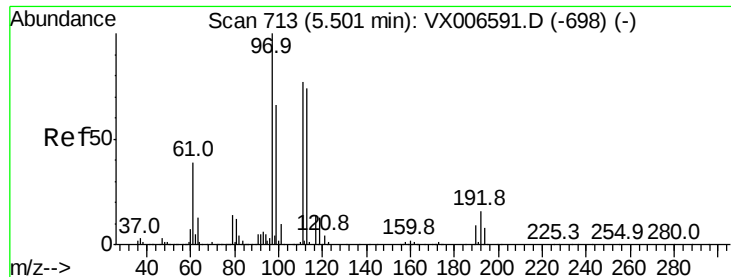
Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

88 15.1 0.0 28.8





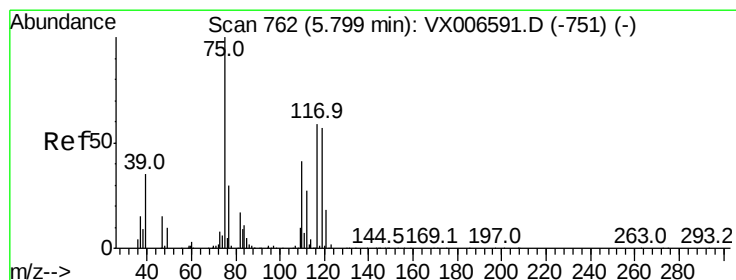
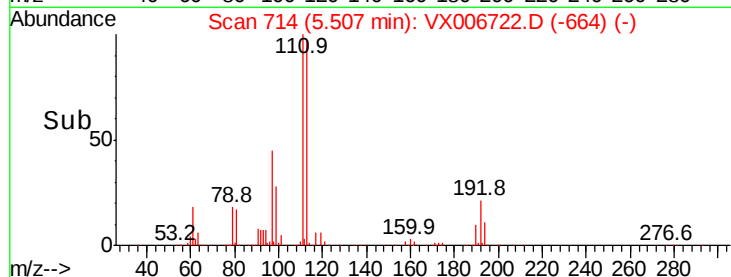
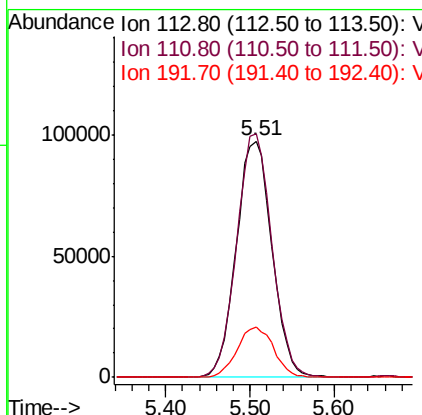
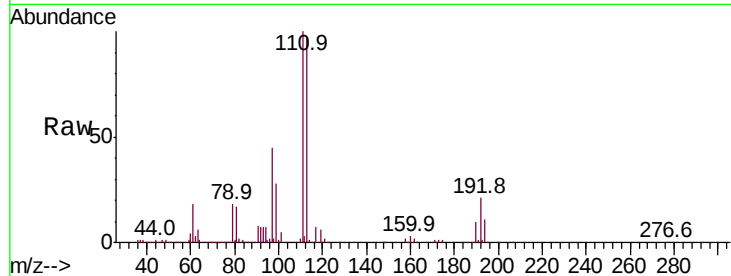
#35
 Dibromofluoromethane
 Concen: 49.720 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.6	122.4
192	21.7	16.7	25.1

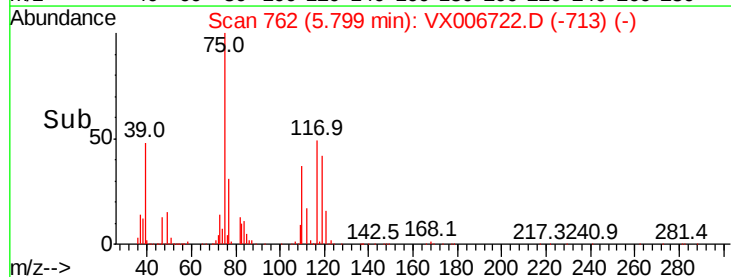
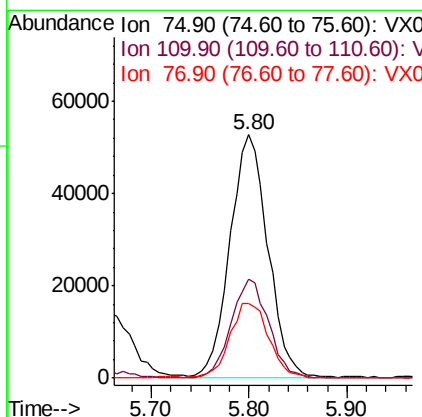
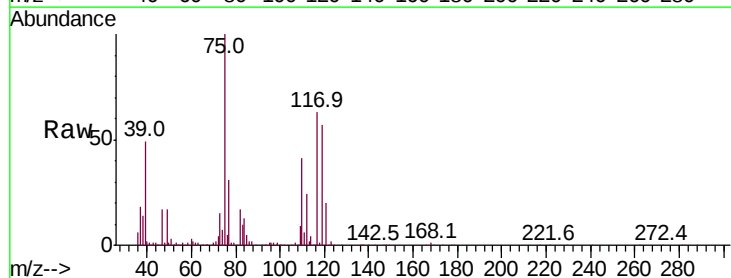
Manual Integrations
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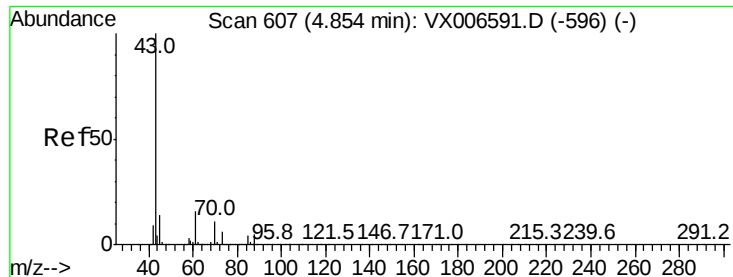
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#36
 1,1-Dichloropropene
 Concen: 19.105 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.5	20.2	60.5
77	31.4	24.8	37.2





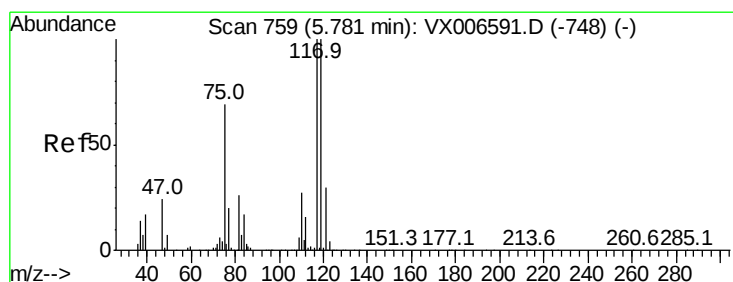
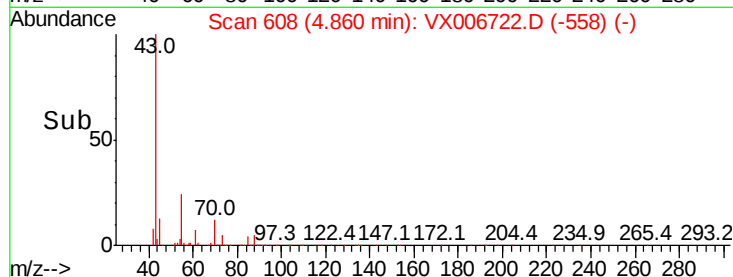
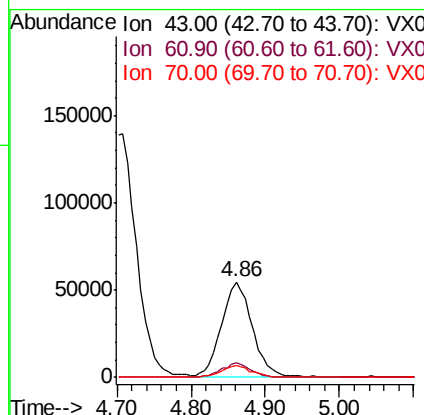
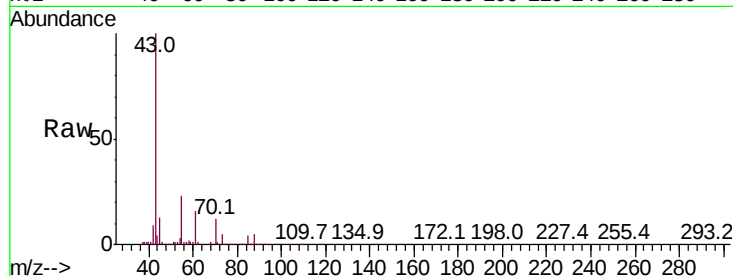
#37
Ethyl Acetate
Concen: 20.339 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	12.1	9.7	14.5

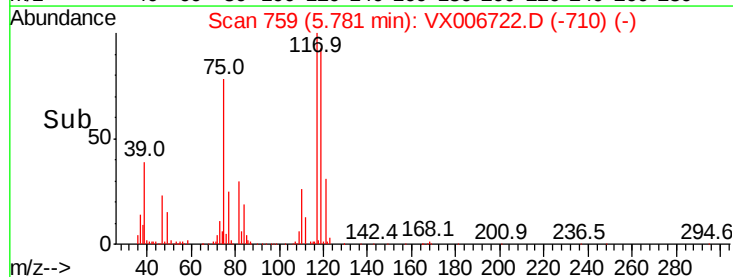
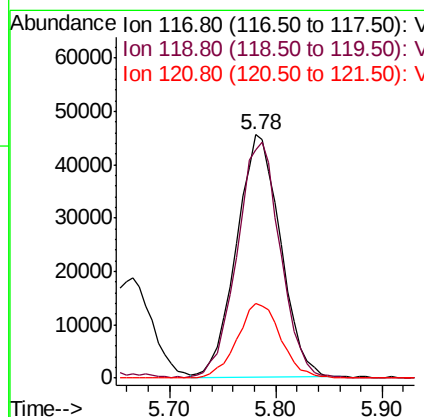
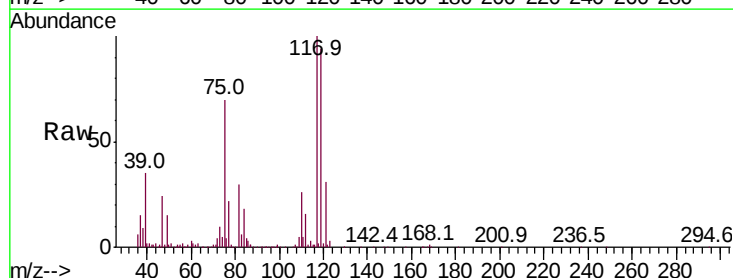
Manual Integrations
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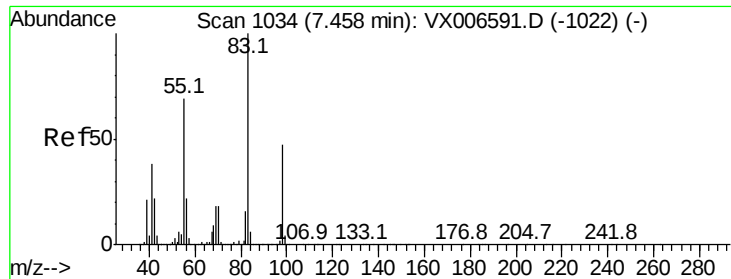
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#38
Carbon Tetrachloride
Concen: 18.430 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	79.4	119.2
121	30.7	24.0	36.0





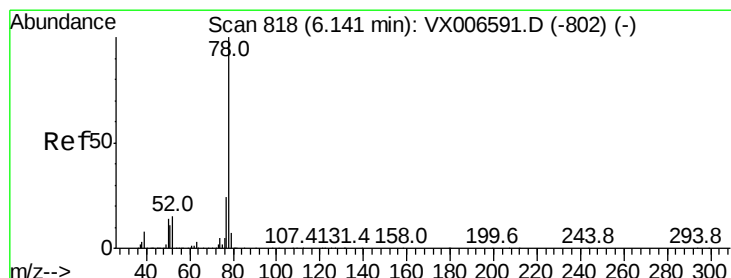
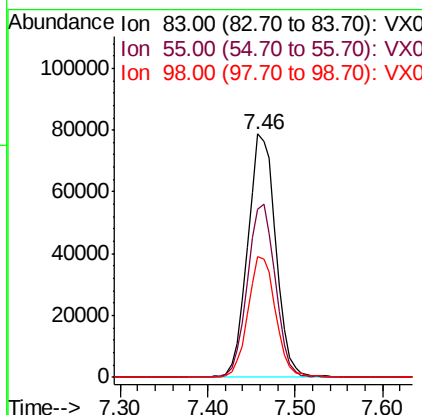
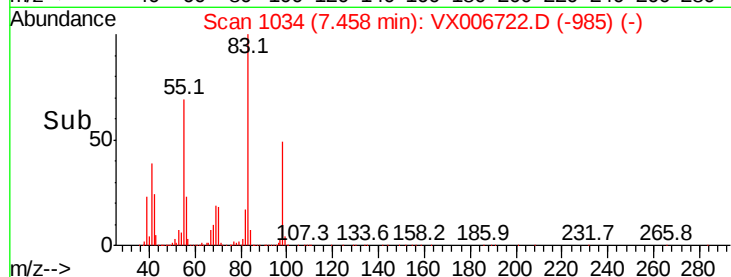
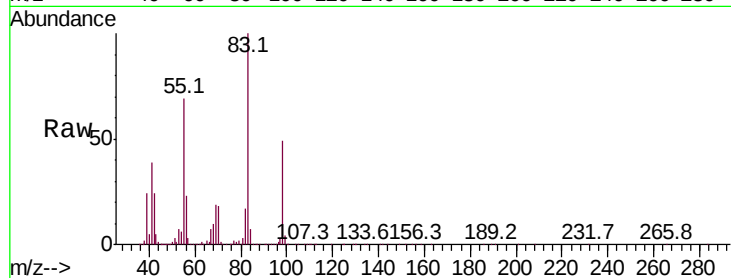
#39
Methvlcvclohexane
Concen: 18.047 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	54.9	82.3
98	49.4	37.9	56.9

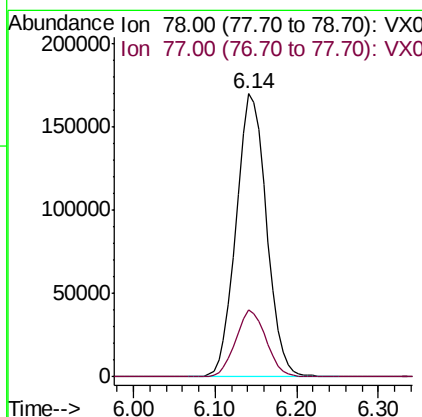
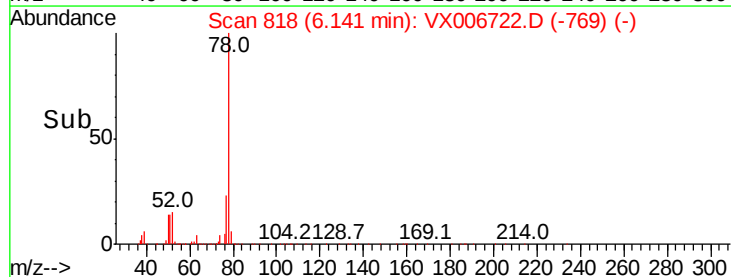
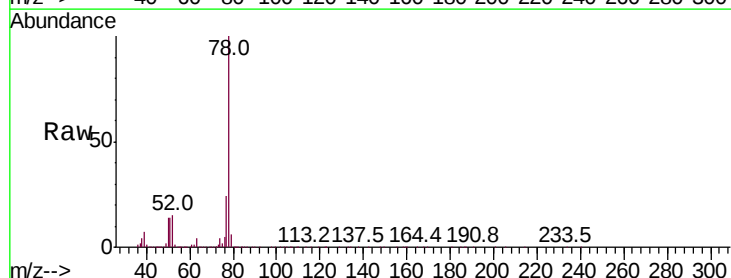
Manual Integrations
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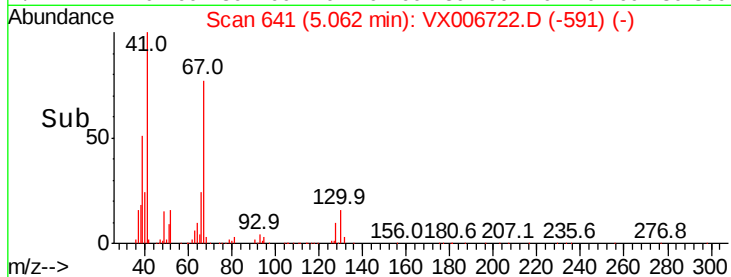
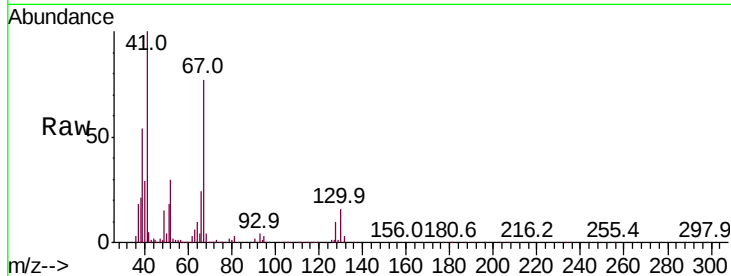
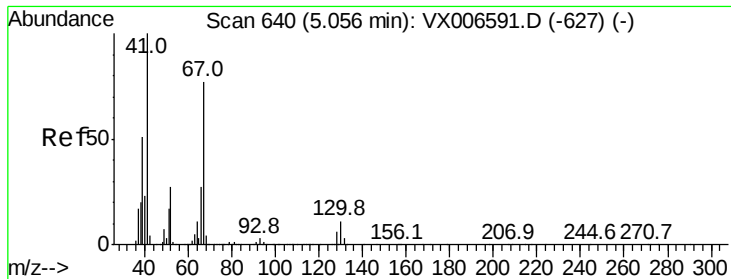
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#40
Benzene
Concen: 19.588 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





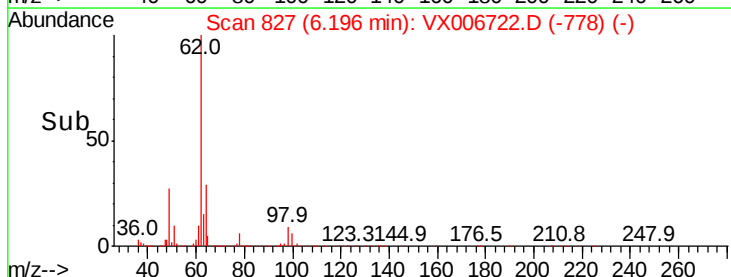
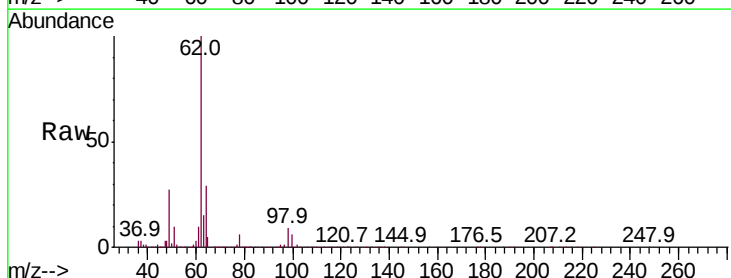
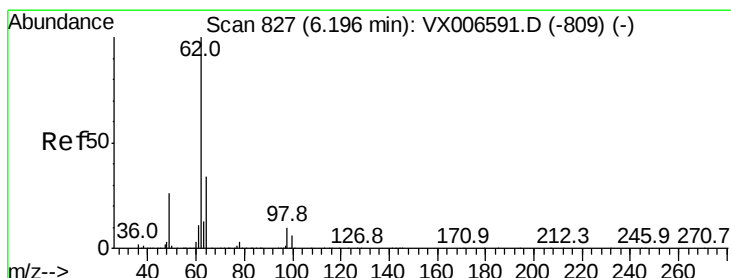
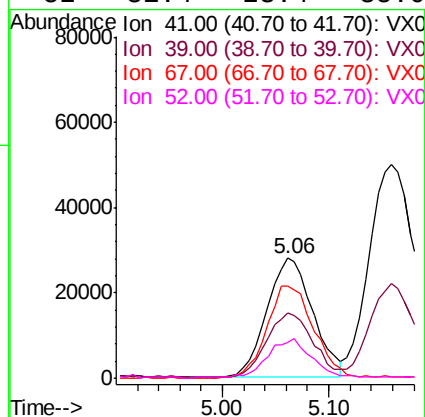
#41
Methacrylonitrile
Concen: 20.733 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.8	64.2
67	78.7	62.1	93.1
52	31.4	23.4	35.0

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

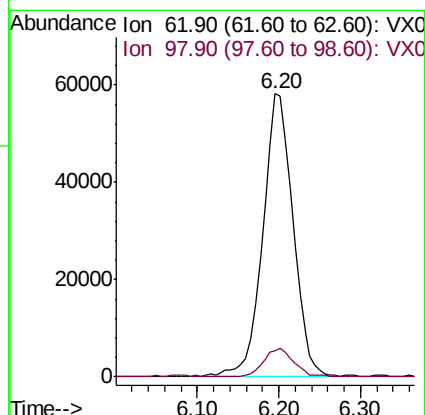
Manual Integrations
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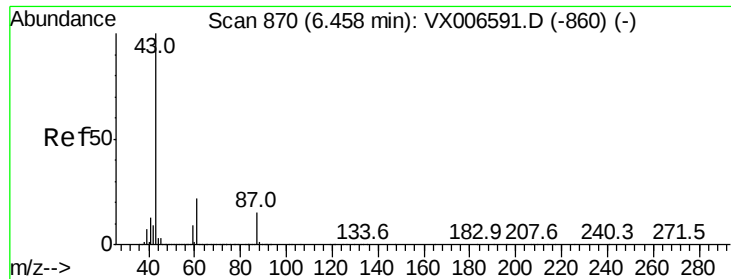
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.570 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.111 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

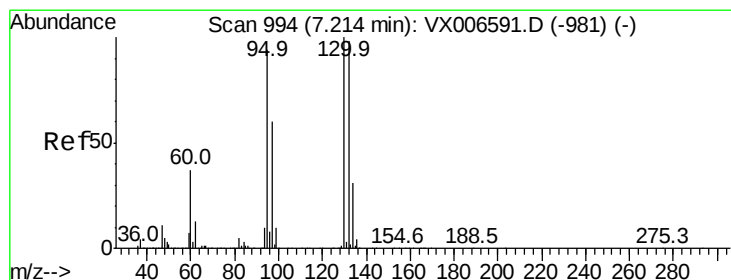
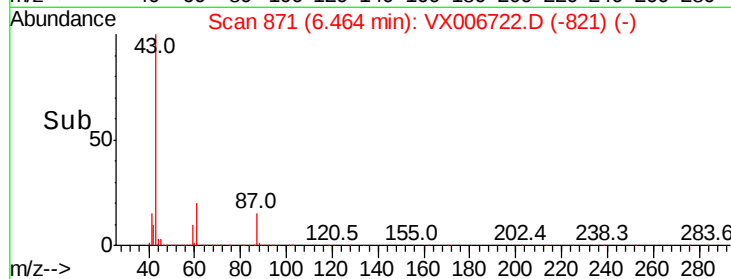
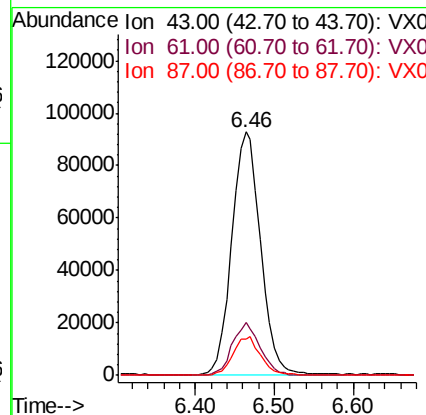
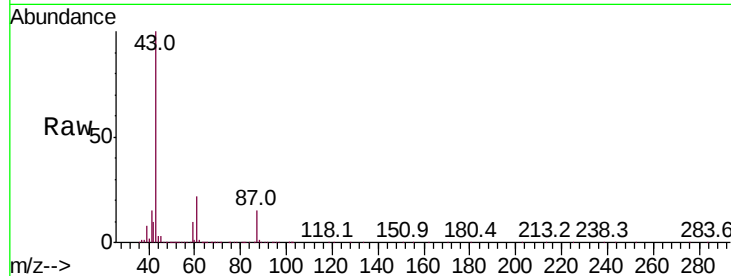
ClientSampleId :

VX1221WBSD01

Tot Ion:	43	Resp:	234733
Ion Ratio	Lower	Upper	
43	100		
61	20.9	16.8	25.2
87	15.5	12.4	18.6

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#44

Trichloroethene

Concen: 18.654 ug/l

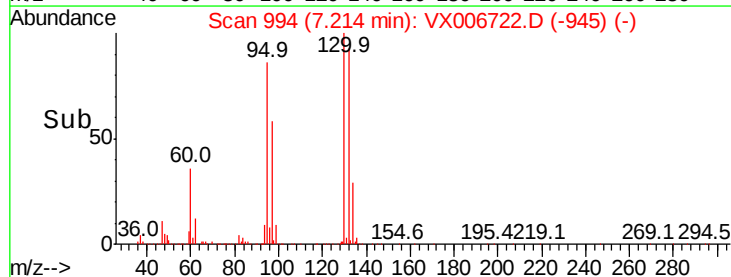
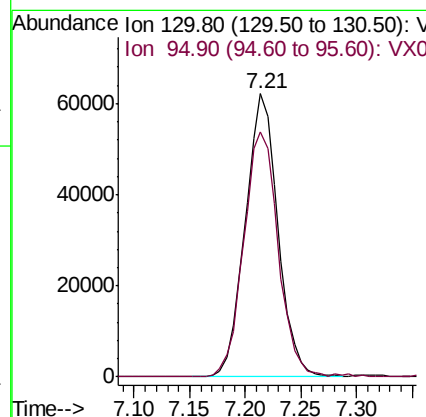
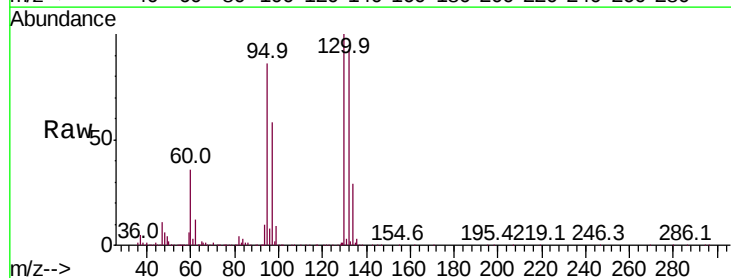
RT: 7.21 min Scan# 994

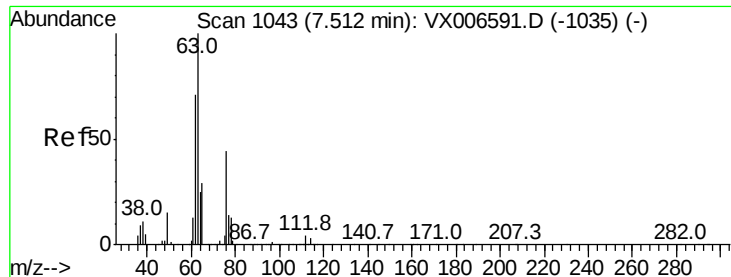
Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion:	130	Resp:	126487
Ion Ratio	Lower	Upper	
130	100		
95	86.5	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.181 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 63 Resp: 110026

Ion Ratio Lower Upper

63 100

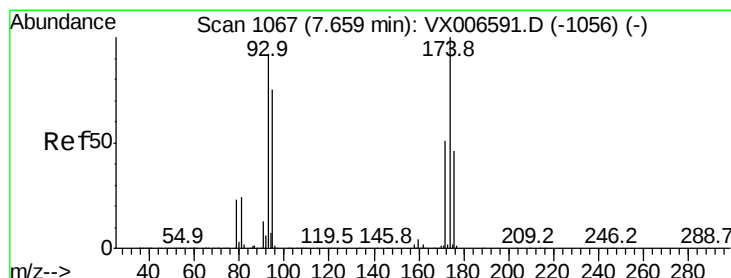
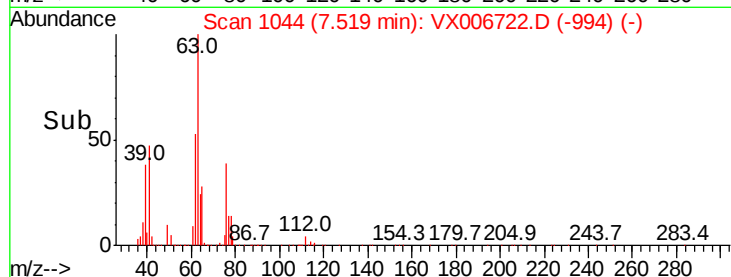
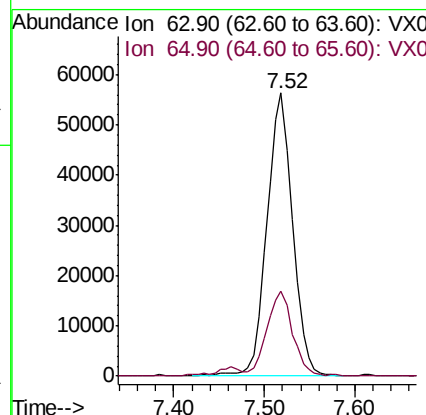
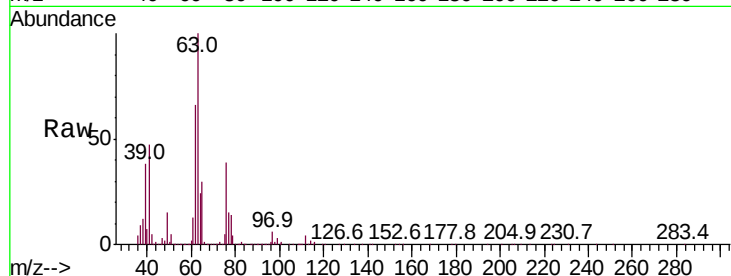
65 29.5 25.4 38.0

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#46

Dibromomethane

Concen: 19.328 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

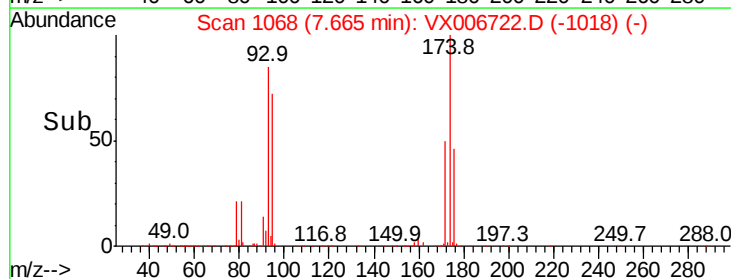
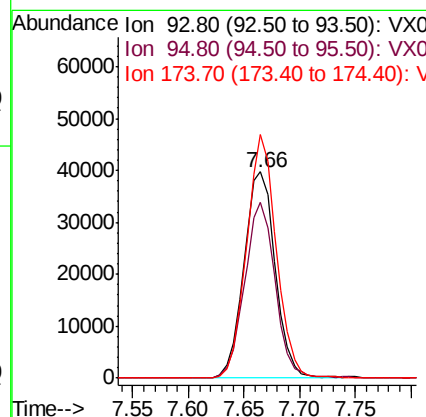
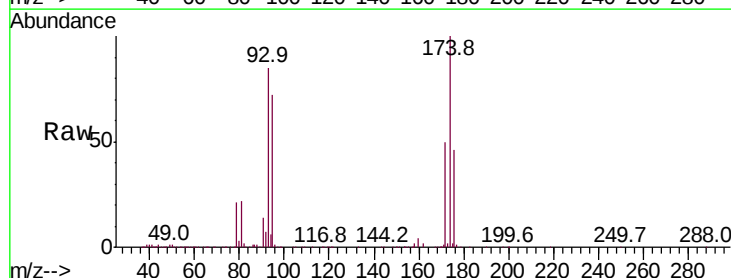
Tgt Ion: 93 Resp: 77507

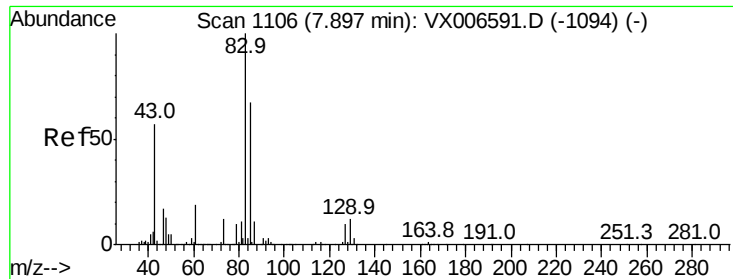
Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

174 112.0 91.0 136.4





#47

Bromodichloromethane

Concen: 18.568 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

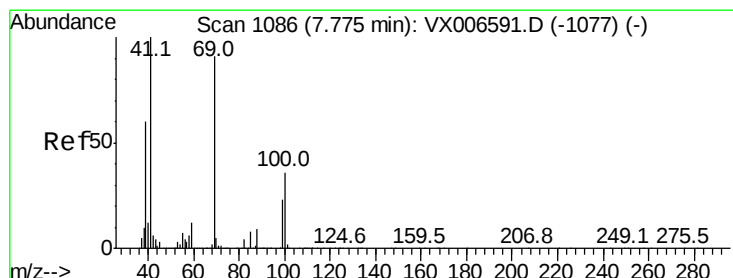
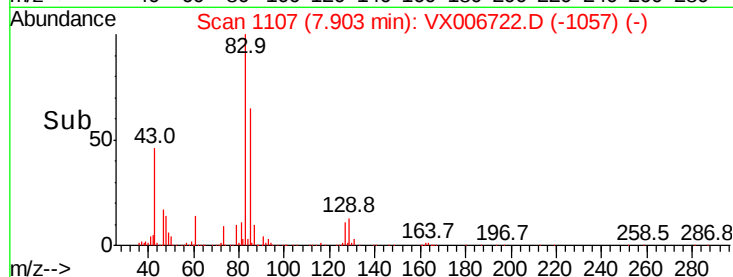
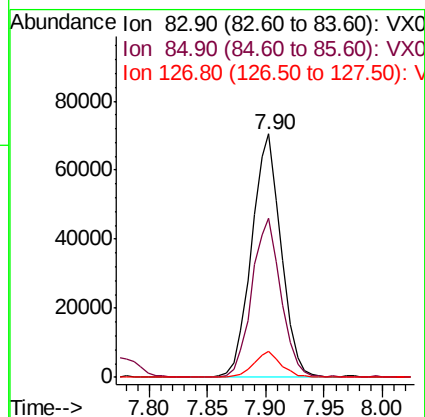
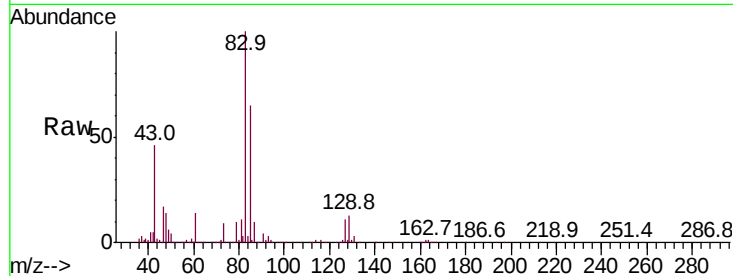
ClientSampleId :

VX1221WBSD01

Tot Ion:	83	Resp:	123617
Ion Ratio	Lower	Upper	
83	100		
85	65.1	53.2	79.8
127	10.7	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.837 ug/l

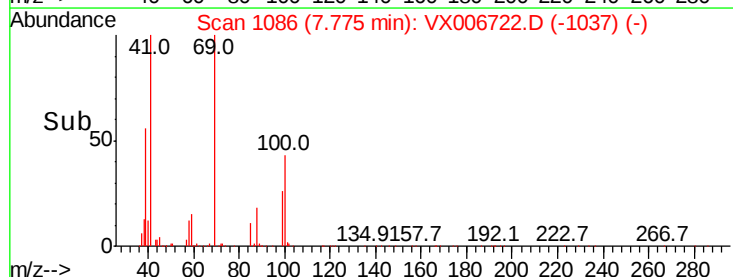
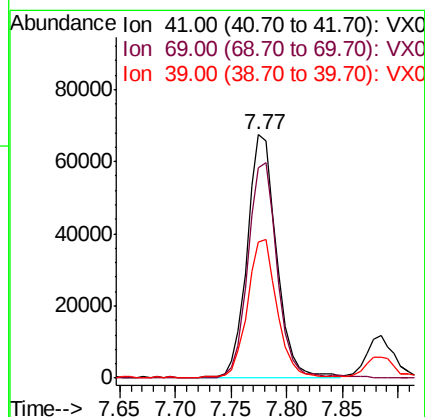
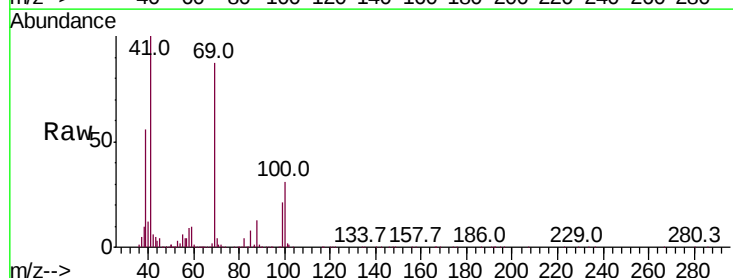
RT: 7.77 min Scan# 1086

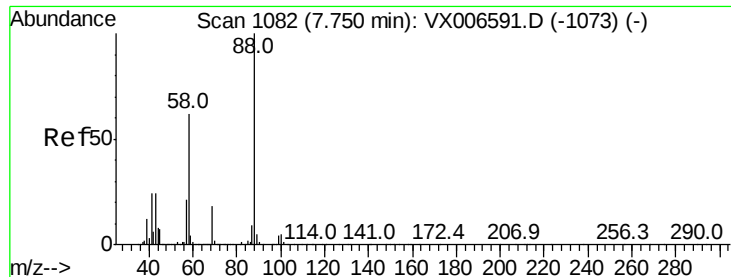
Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion:	41	Resp:	123677
Ion Ratio	Lower	Upper	
41	100		
69	87.4	72.4	108.6
39	57.6	45.8	68.8





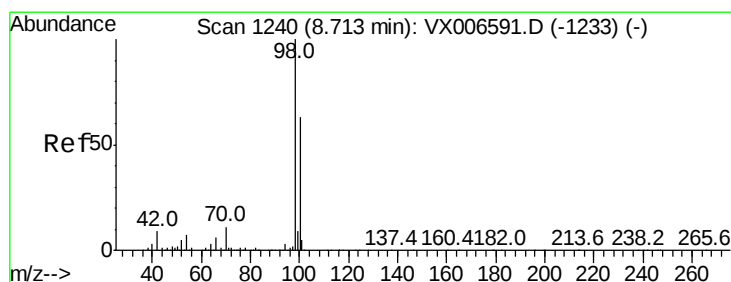
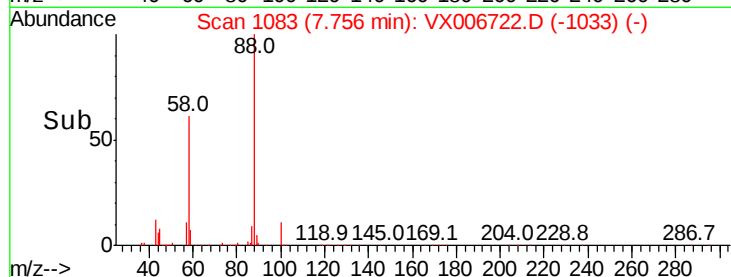
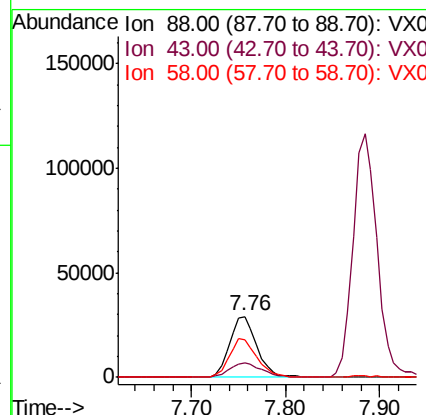
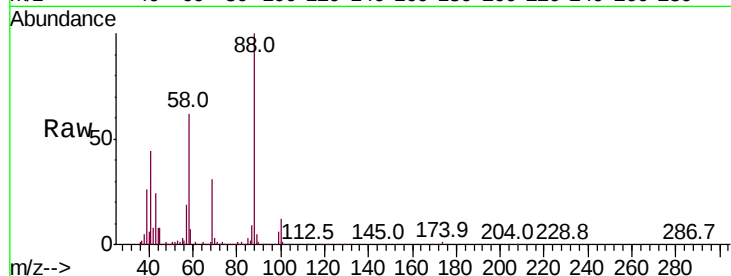
#49
1,4-Dioxane
Concen: 363.652 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	22.2	33.4
58	64.1	51.0	76.4

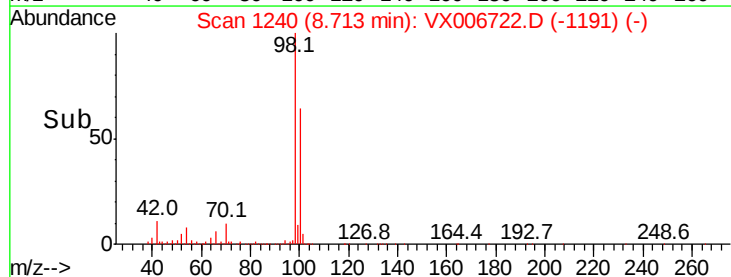
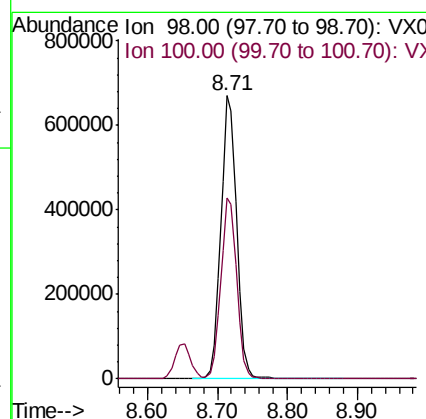
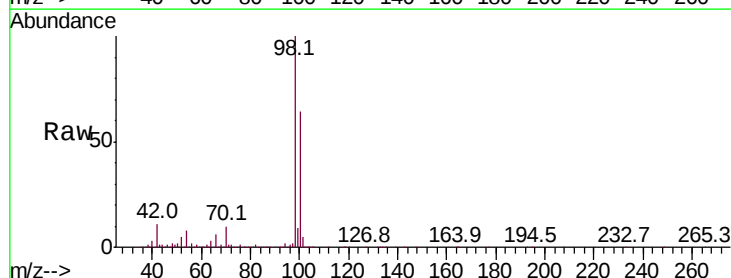
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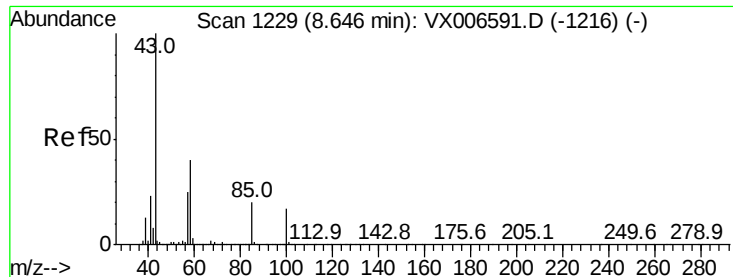
MMDadoda
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#50
Toluene-d8
Concen: 49.338 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0





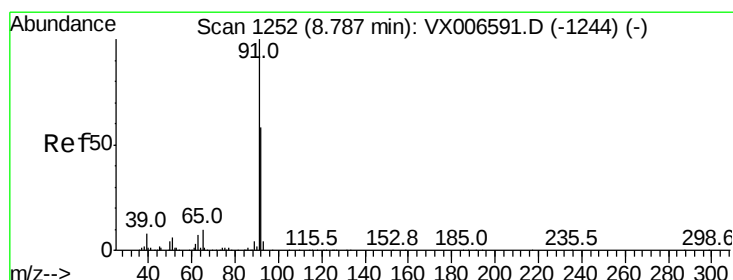
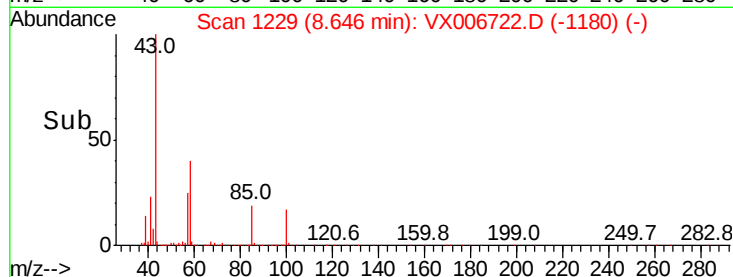
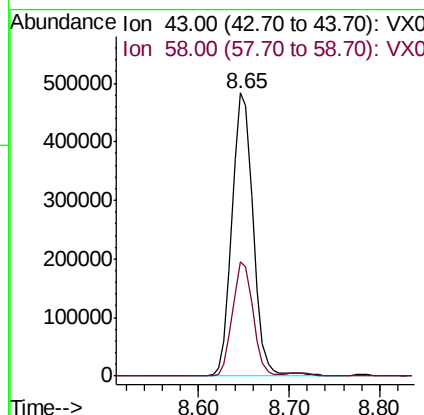
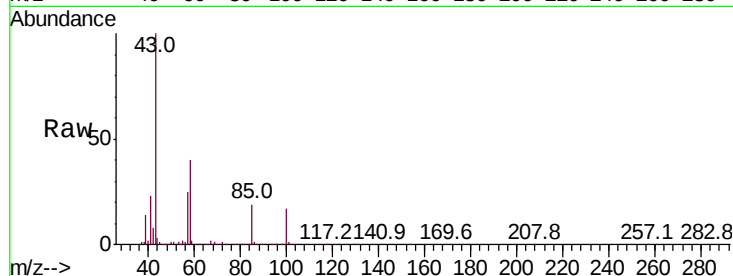
#51
4-Methyl-2-Pentanone
Concen: 105.507 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.8	47.6

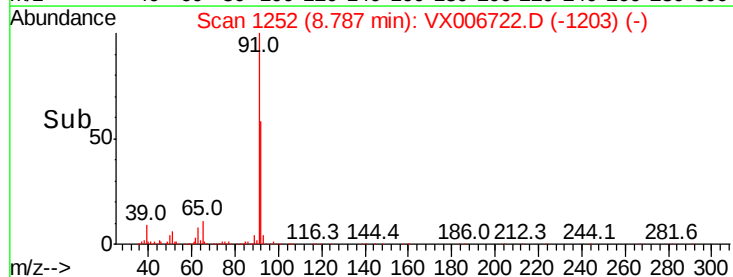
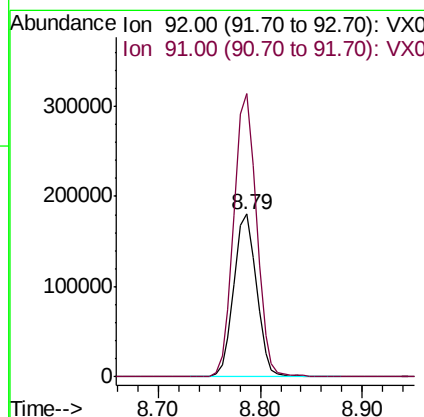
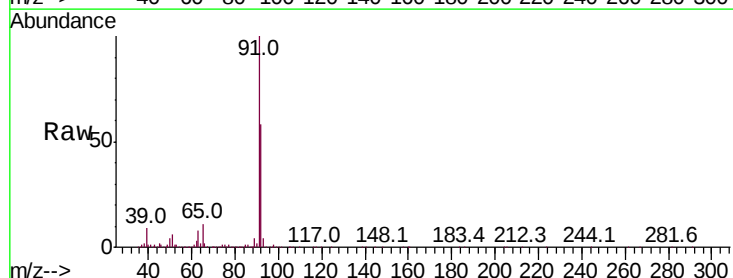
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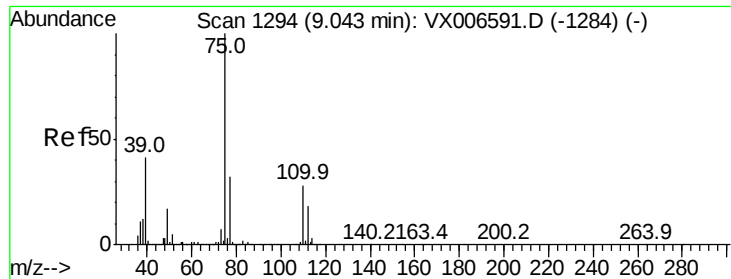
MMDadoda
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#52
Toluene
Concen: 19.289 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 17.191 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 75 Resp: 122746

Ion Ratio Lower Upper

75 100

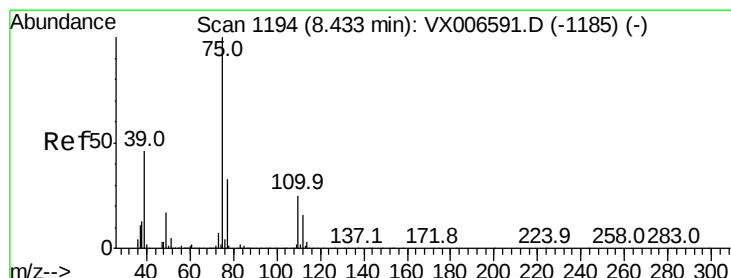
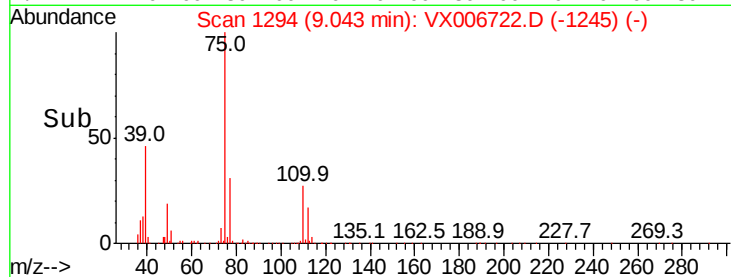
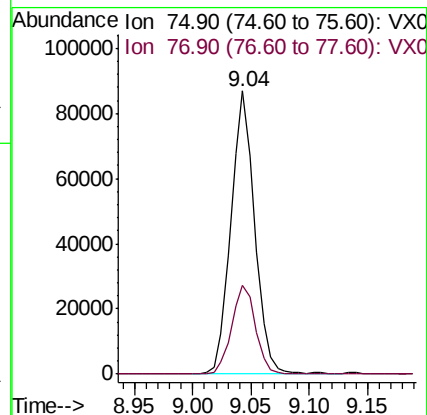
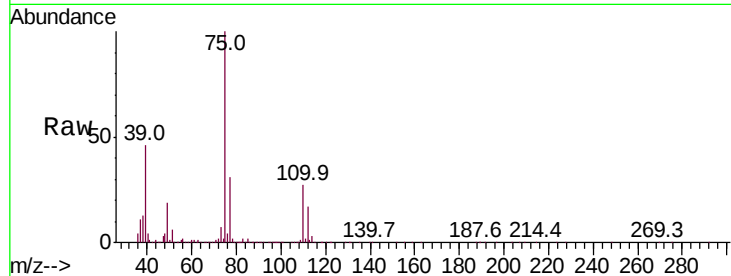
77 31.2 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.316 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

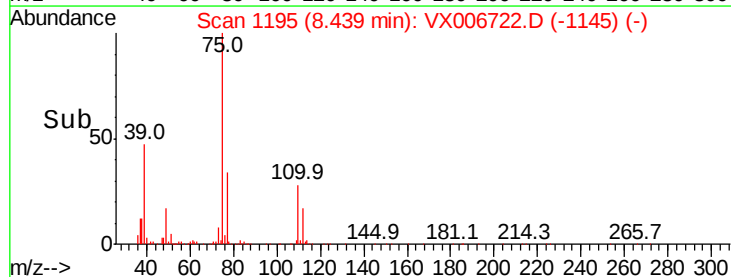
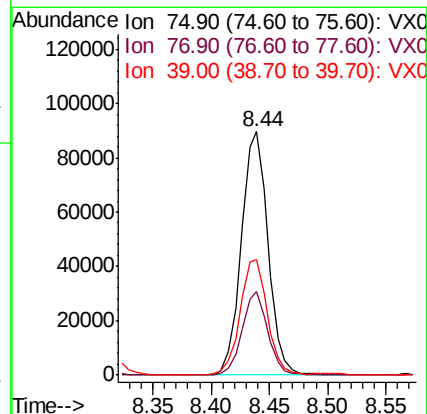
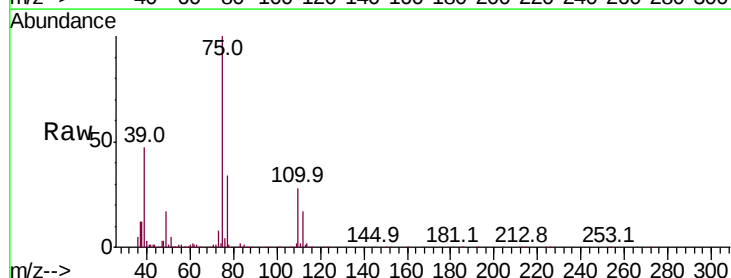
Tgt Ion: 75 Resp: 143503

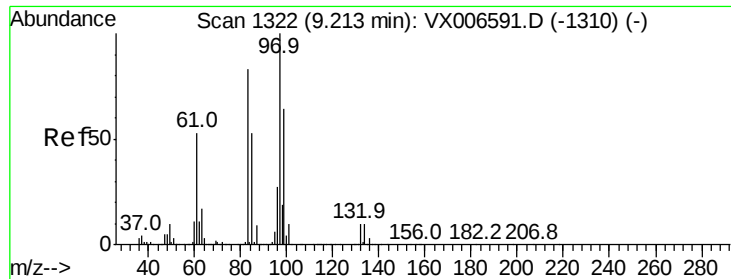
Ion Ratio Lower Upper

75 100

77 34.3 26.2 39.2

39 47.2 36.7 55.1





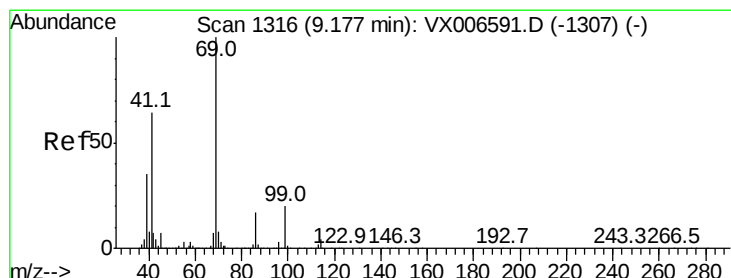
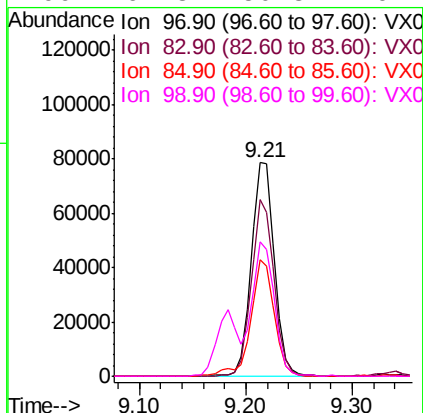
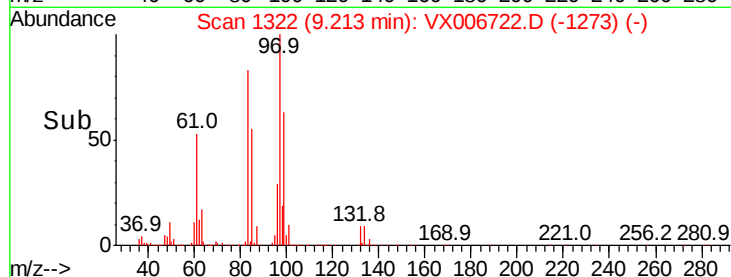
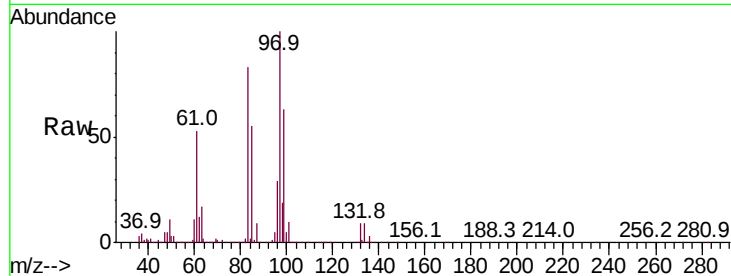
#55
1,1,2-Trichloroethane
Concen: 20.223 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.6	99.8
85	54.6	42.7	64.1
99	62.8	50.8	76.2

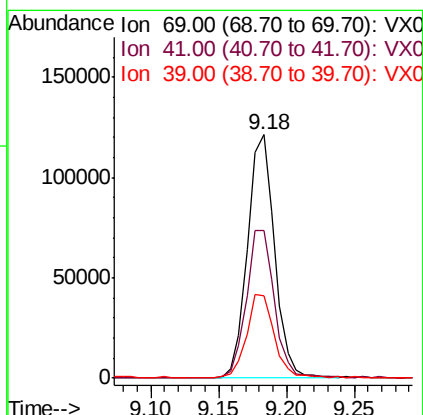
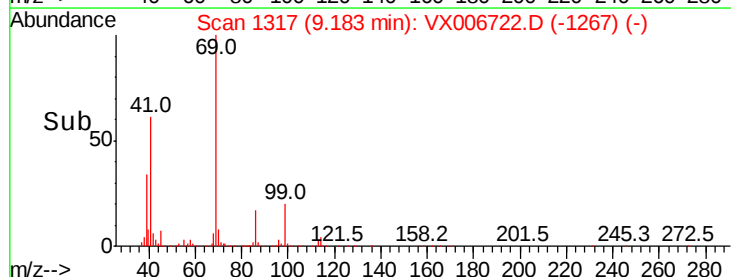
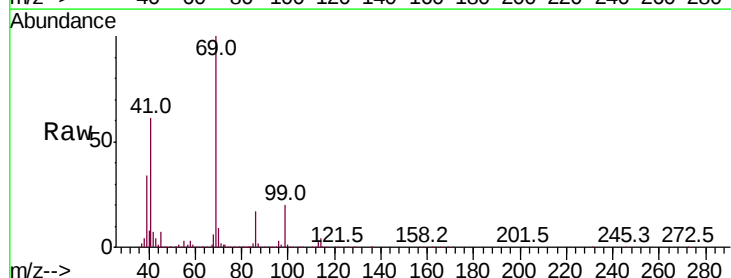
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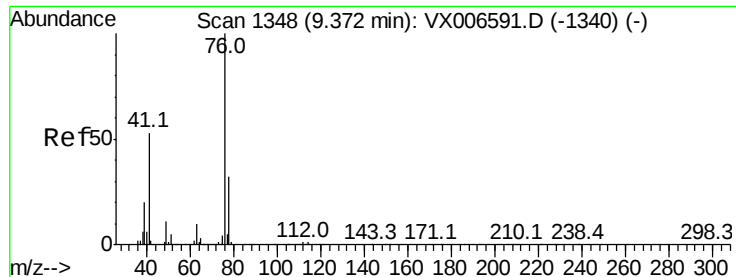
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#56
Ethyl methacrylate
Concen: 20.252 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	48.7	73.1
39	34.7	27.0	40.6





#57

1,3-Dichloropropane

Concen: 19.935 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 76 Resp: 190011

Ion Ratio Lower Upper

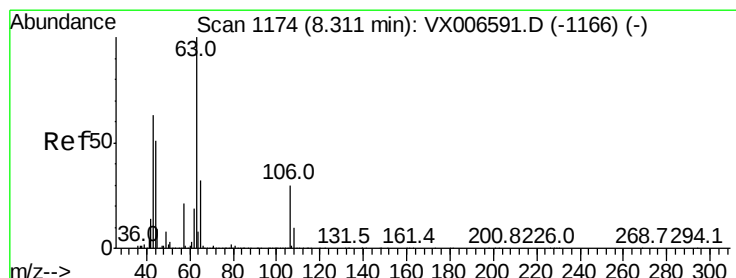
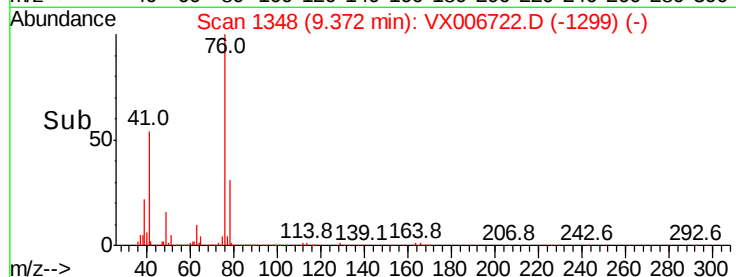
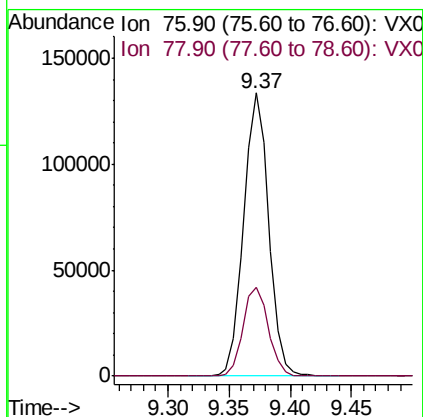
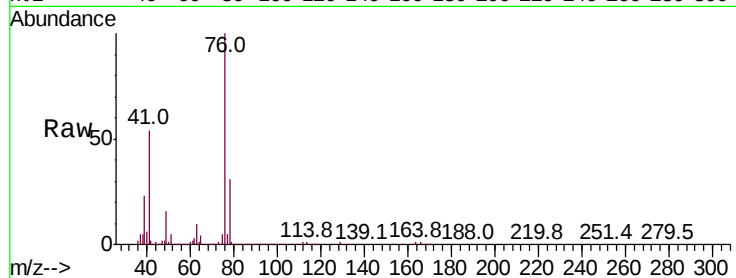
76 100

78 32.2 26.0 39.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 100.625 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006722.D

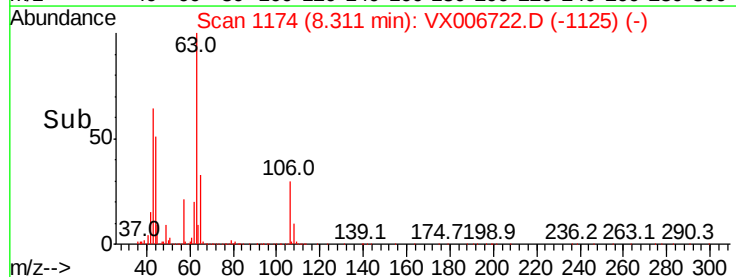
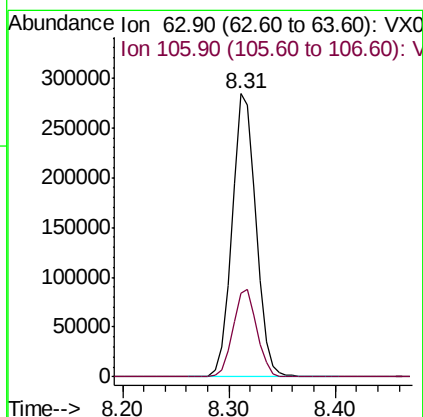
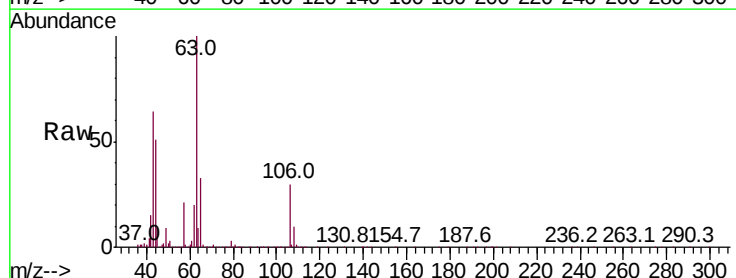
Acq: 21 Dec 2018 14:36

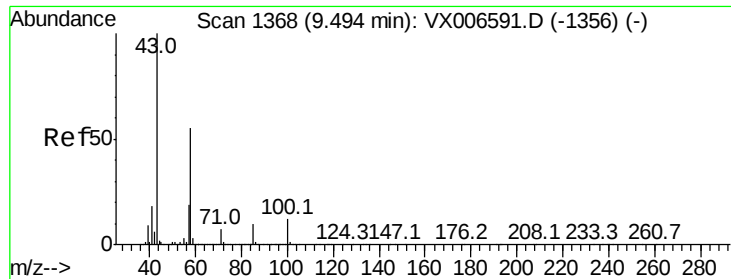
Tgt Ion: 63 Resp: 447874

Ion Ratio Lower Upper

63 100

106 31.0 24.6 36.8





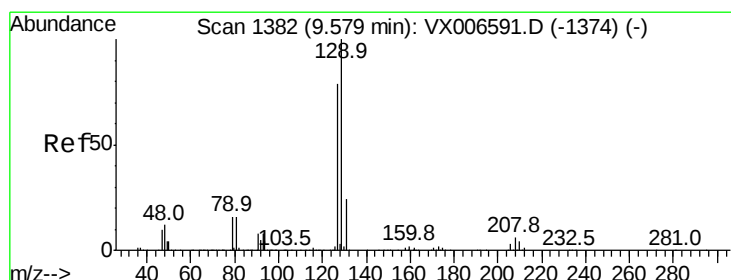
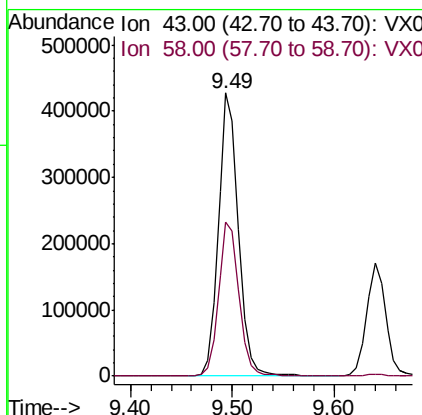
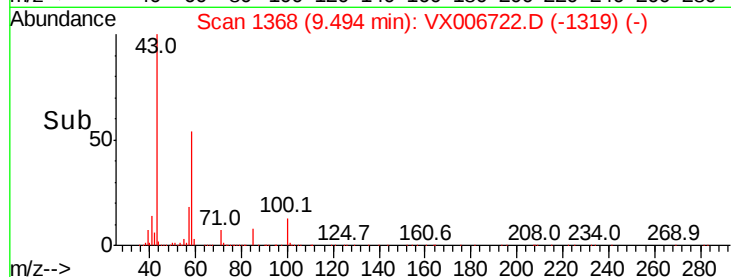
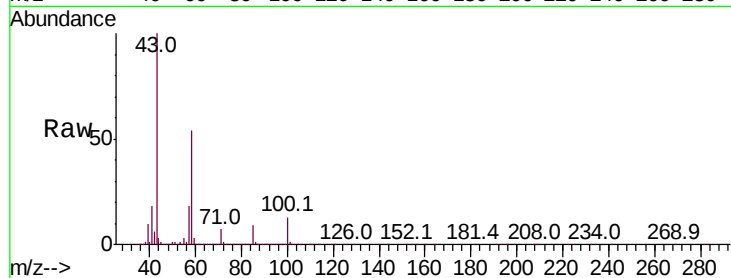
#59
2-Hexanone
Concen: 102.776 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion: 43 Resp: 583994
Ion Ratio Lower Upper
43 100
58 55.9 27.7 83.1

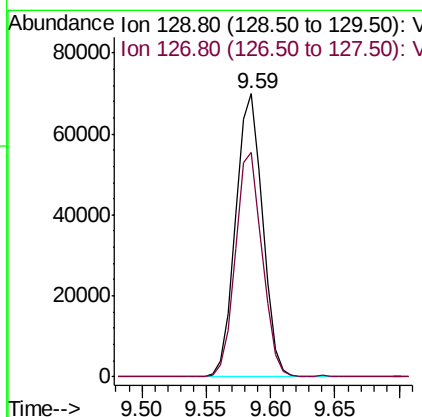
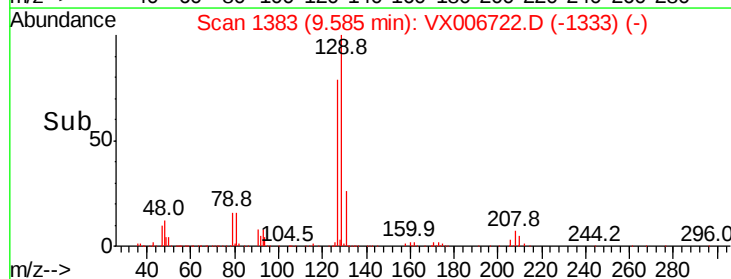
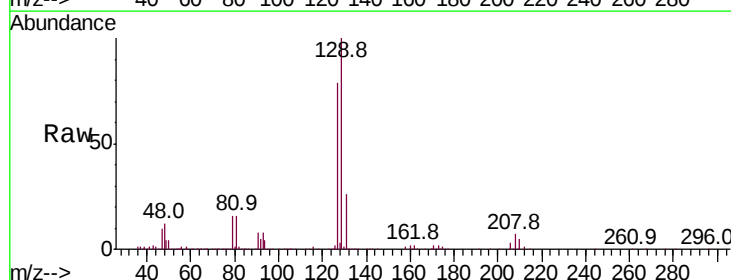
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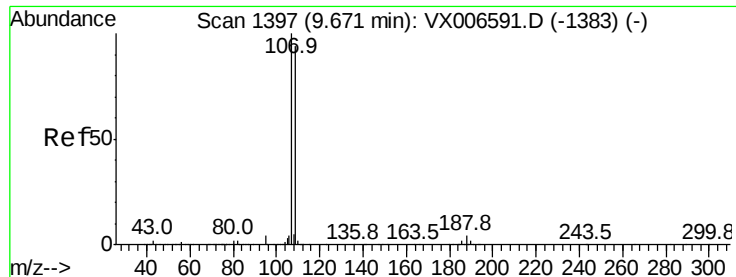
MMDadoda
12/22/2018 11:21:01 AM



#60
Dibromochloromethane
Concen: 17.971 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 129 Resp: 101673
Ion Ratio Lower Upper
129 100
127 78.9 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.733 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 107 Resp: 124270

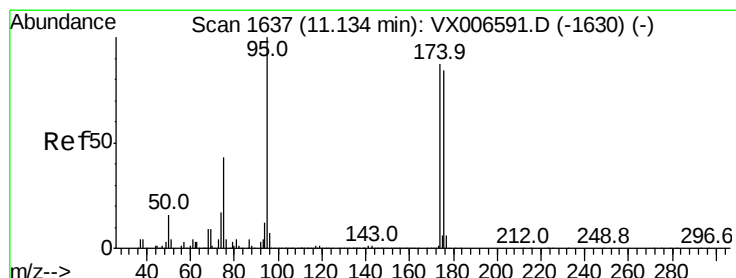
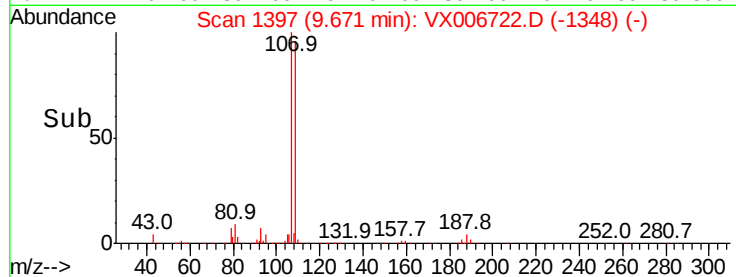
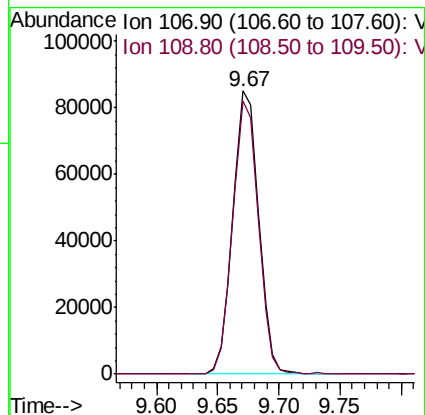
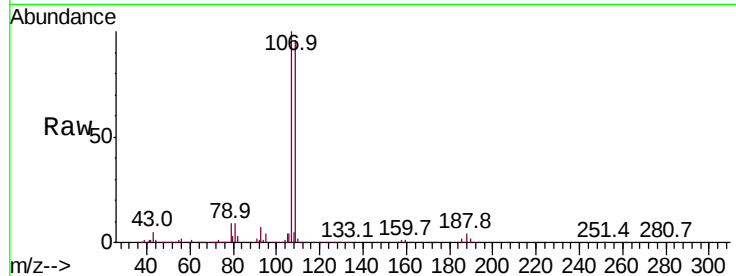
Ion Ratio Lower Upper

107 100

109 95.9 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 48.117 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

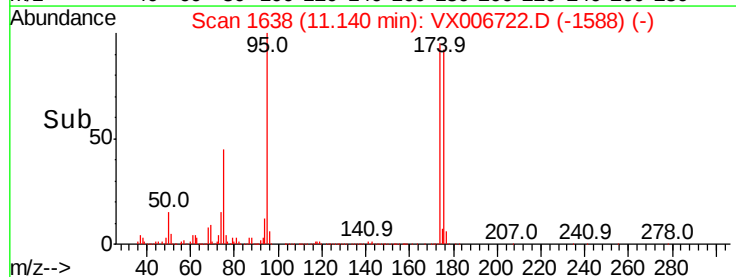
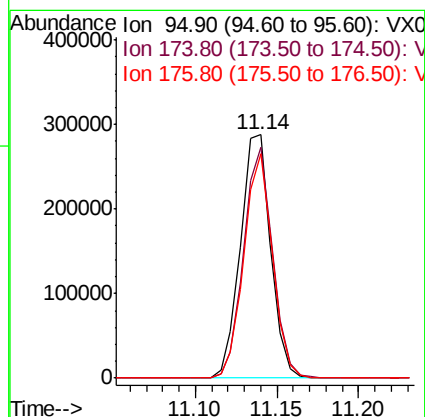
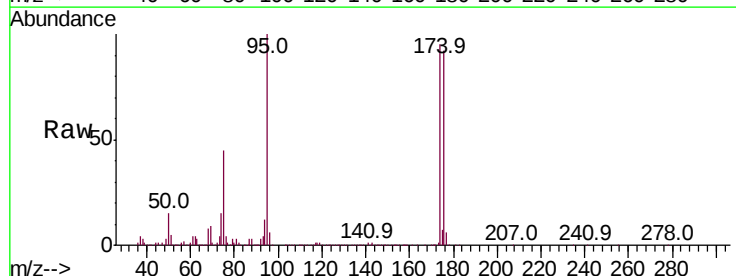
Tgt Ion: 95 Resp: 373874

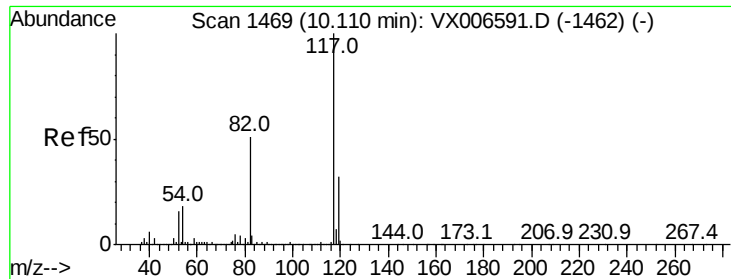
Ion Ratio Lower Upper

95 100

174 90.6 0.0 182.2

176 87.4 0.0 178.8





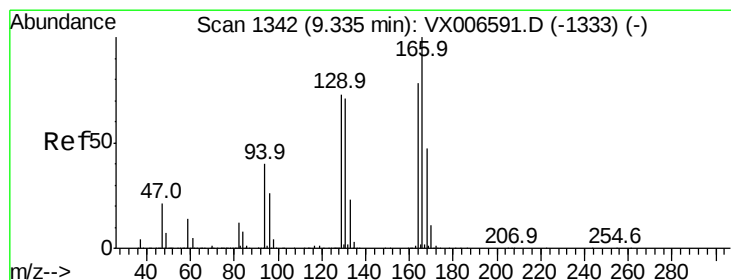
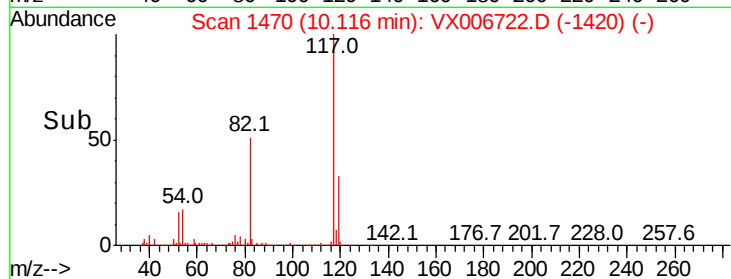
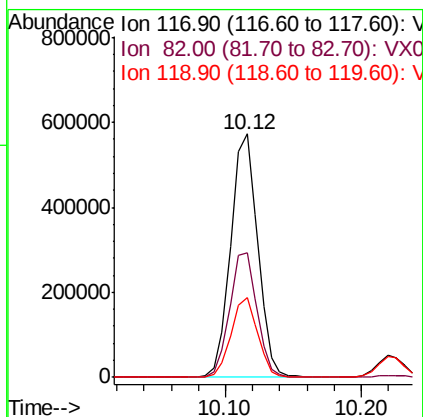
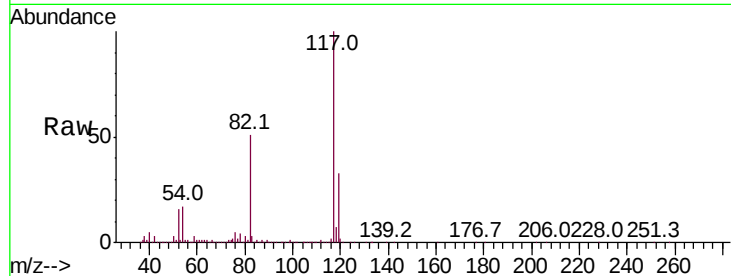
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	791492		
82	51.1		41.0	61.6
119	33.0		25.4	38.0

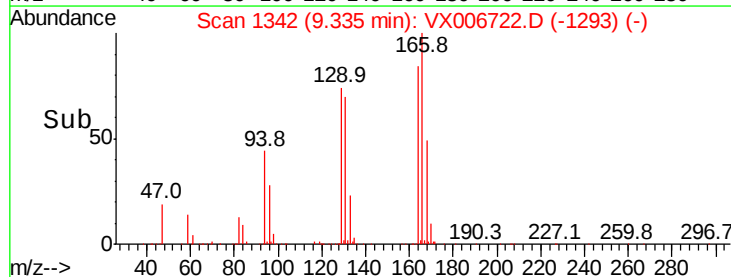
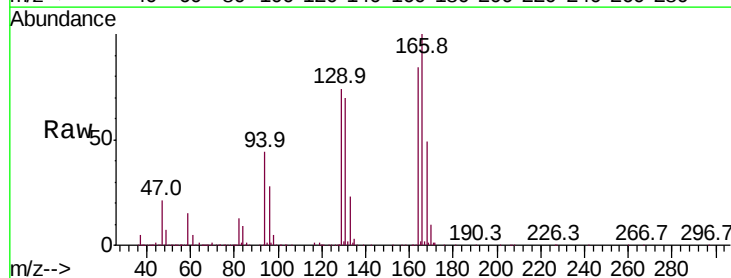
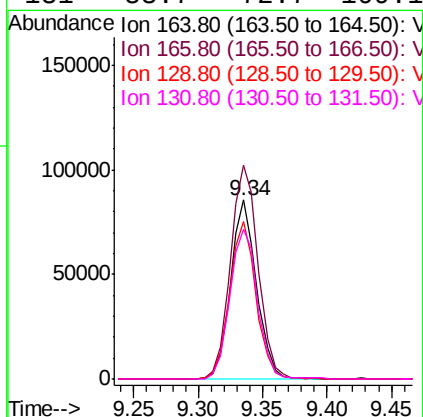
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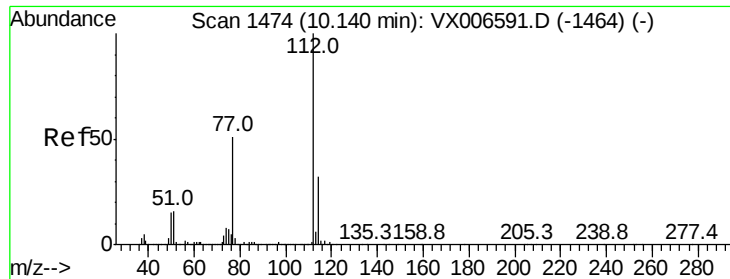
MMDadoda
12/22/2018 11:21:01 AM



#64
Tetrachloroethene
Concen: 19.221 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	120466		
166	119.4		102.5	153.7
129	88.2		75.1	112.7
131	83.7		72.7	109.1





#65

Chlorobenzene

Concen: 19.490 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion:112 Resp: 326358

Ion Ratio Lower Upper

112 100

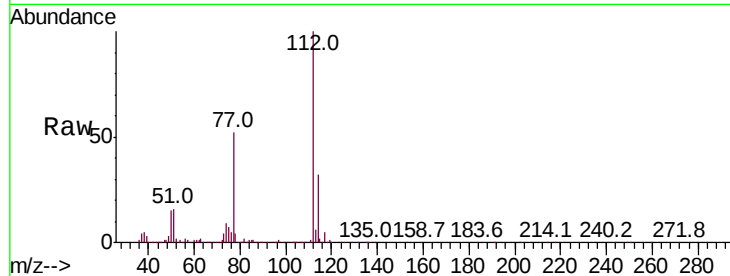
114 31.8 25.7 38.5

Manual Integrations

APPROVED

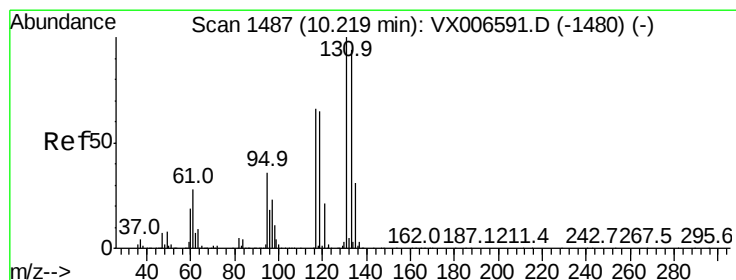
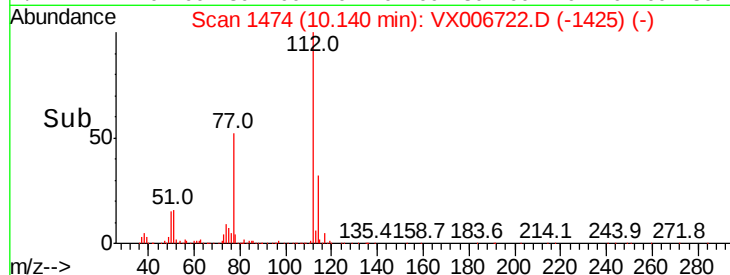
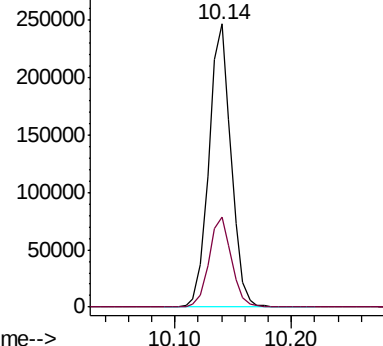
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.303 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

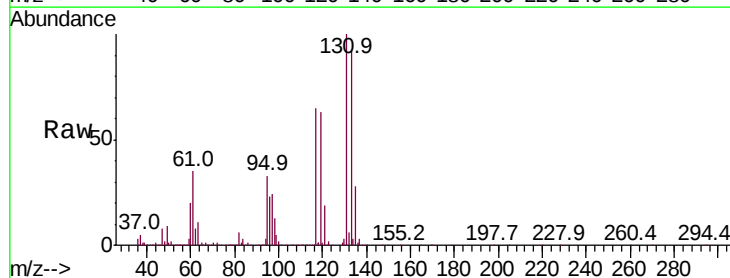
Tgt Ion:131 Resp: 106070

Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.2

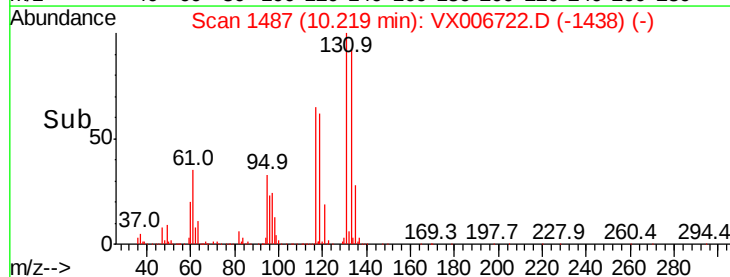
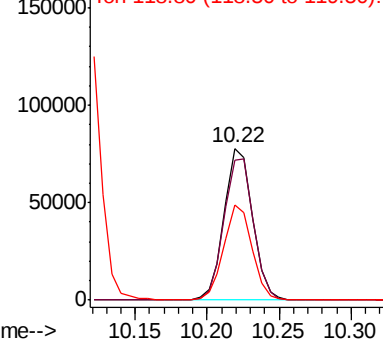
119 62.5 32.6 97.8

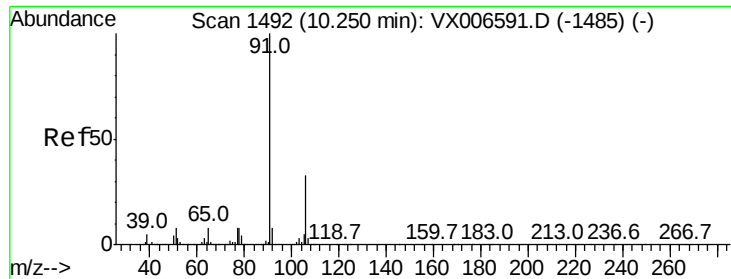


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.585 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 91 Resp: 535887

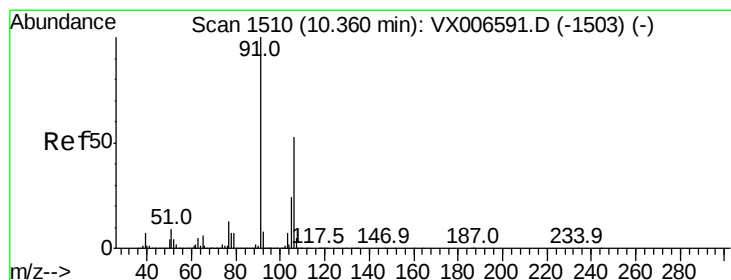
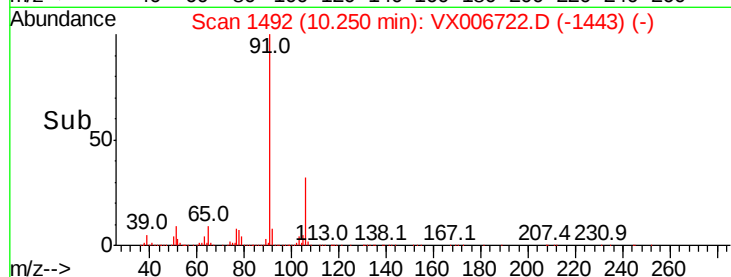
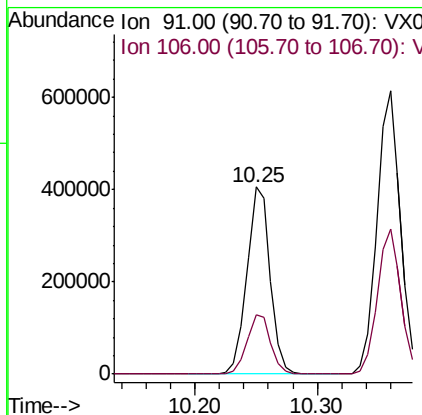
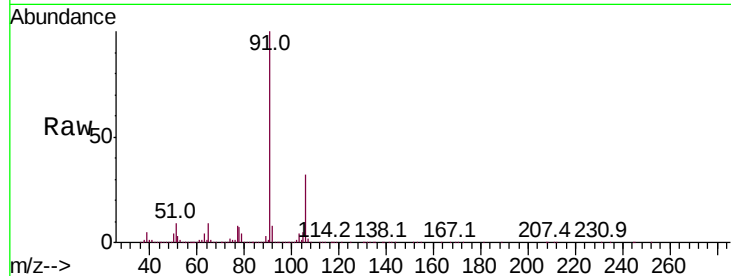
Ion Ratio Lower Upper

91 100

106 31.5 26.4 39.6

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#68

m/p-Xylenes

Concen: 38.847 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006722.D

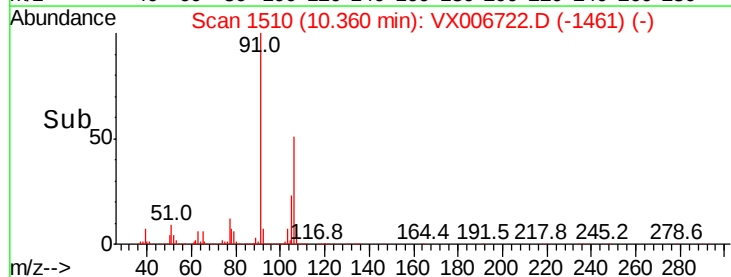
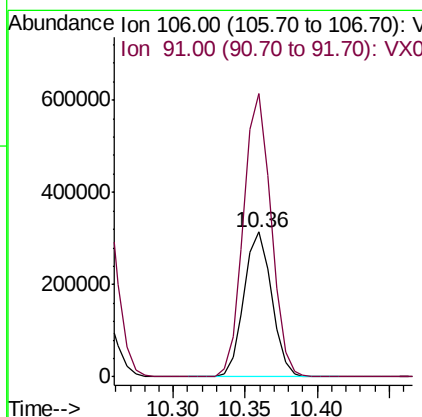
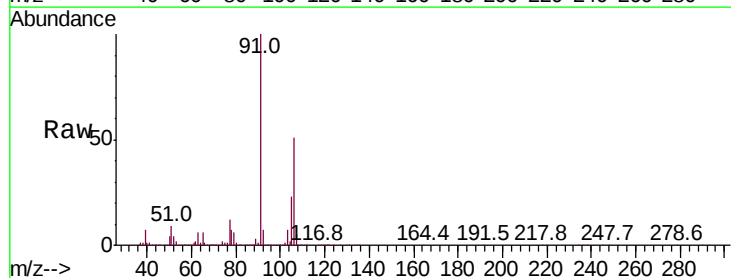
Acq: 21 Dec 2018 14:36

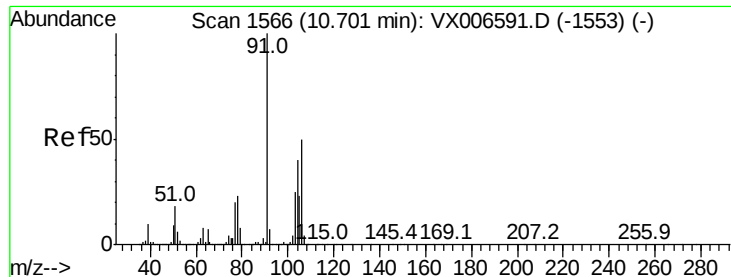
Tgt Ion: 106 Resp: 419433

Ion Ratio Lower Upper

106 100

91 194.8 155.8 233.6





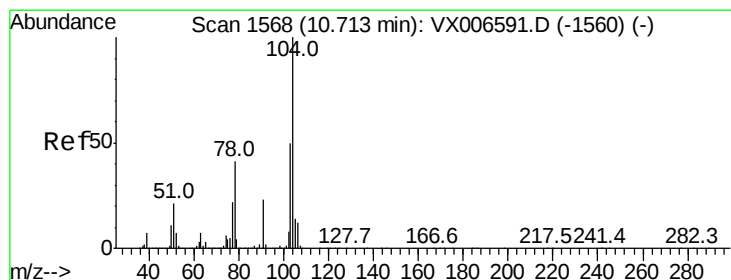
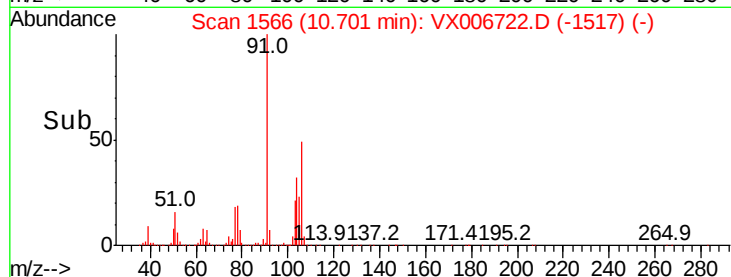
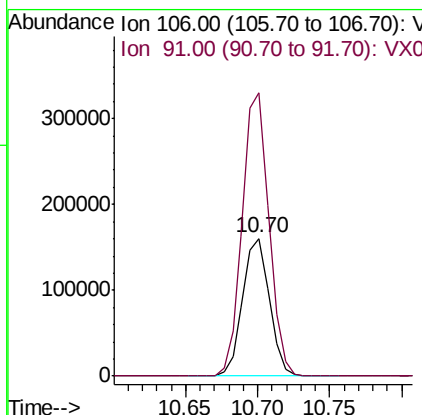
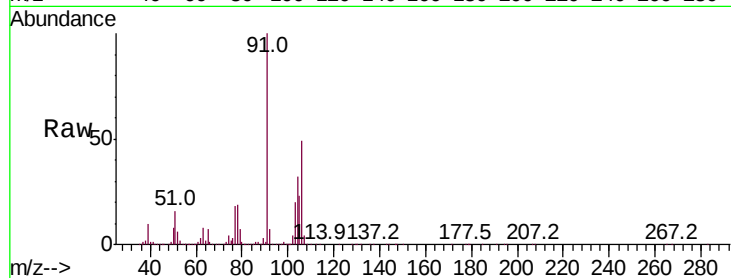
#69
o-Xylene
Concen: 19.442 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.0	101.3	303.7

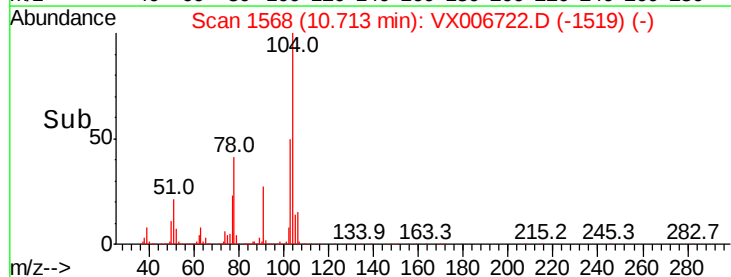
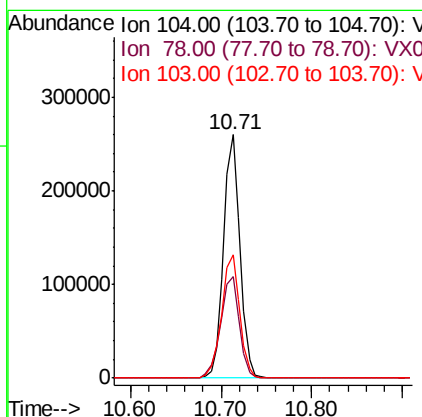
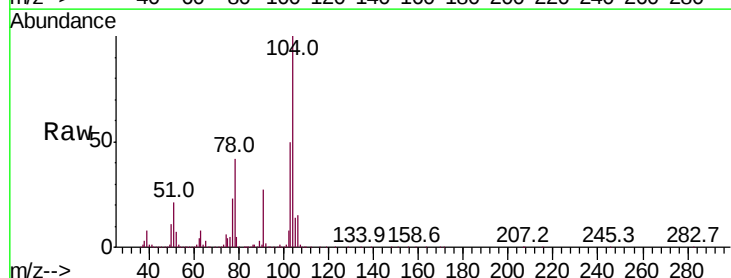
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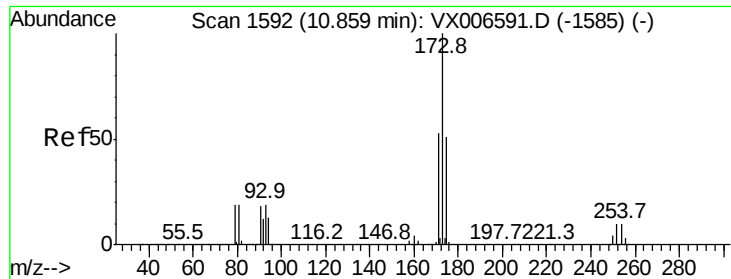
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#70
Styrene
Concen: 19.536 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.7	56.5
103	55.9	43.8	65.8





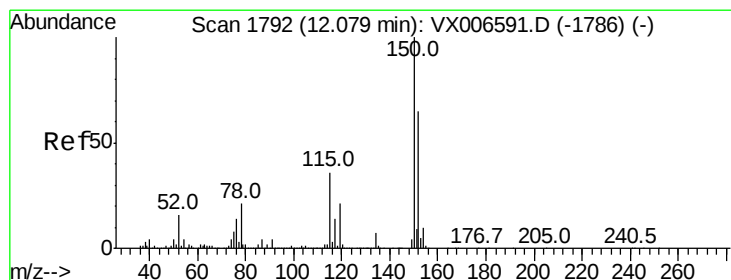
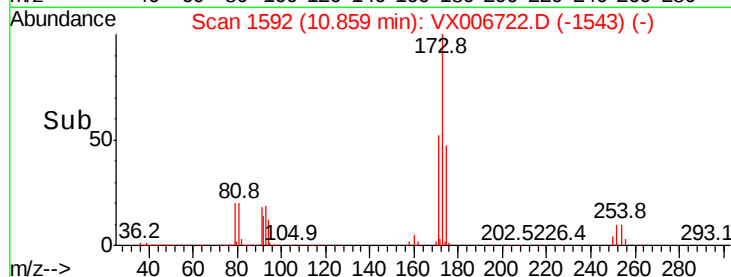
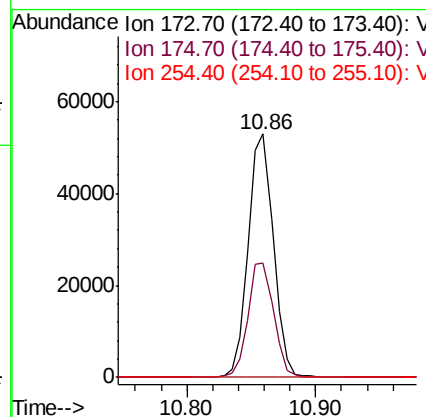
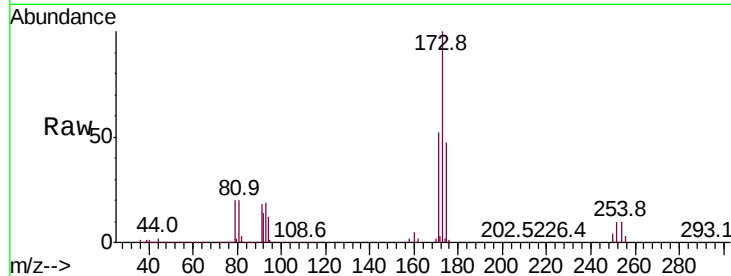
#71
Bromoform
Concen: 18.222 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.7	74.1
254	0.0	0.2	0.2#

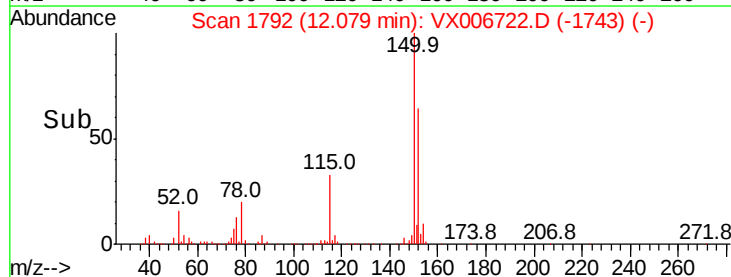
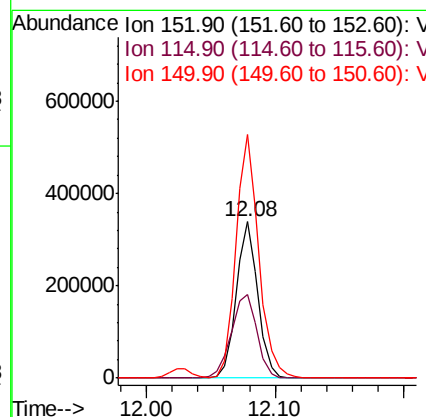
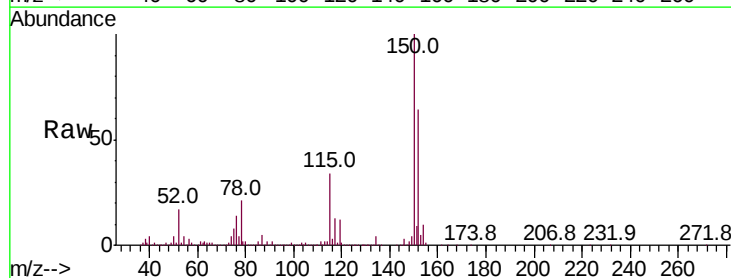
Manual Integrations
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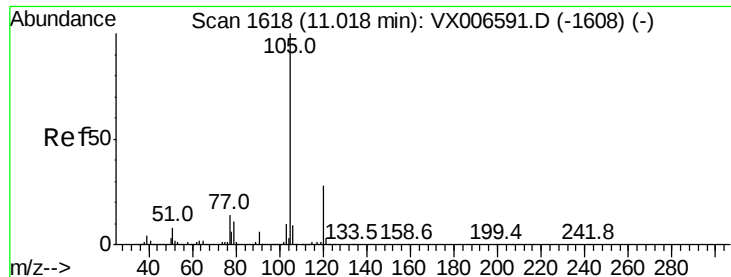
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	39.1	117.2
150	165.0	0.0	344.8





#73

Isopropylbenzene

Concen: 20.520 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion:105 Resp: 553428

Ion Ratio Lower Upper

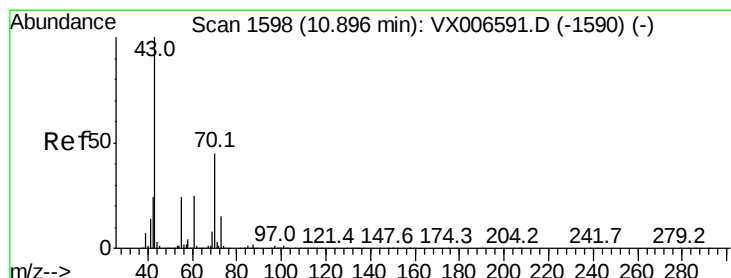
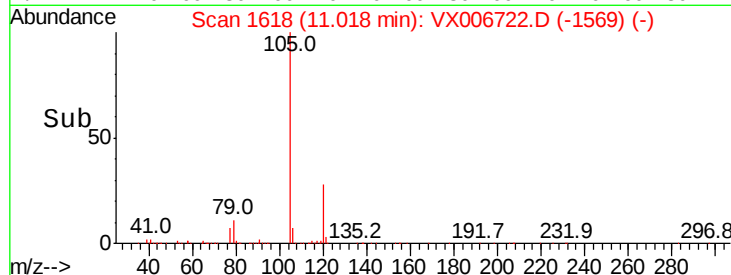
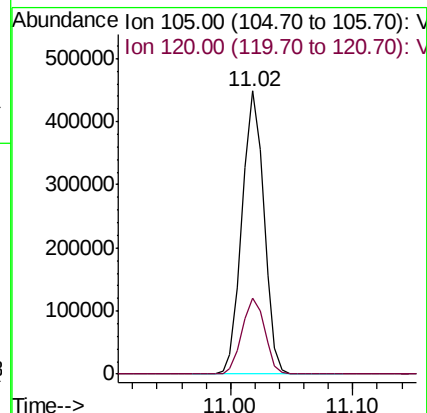
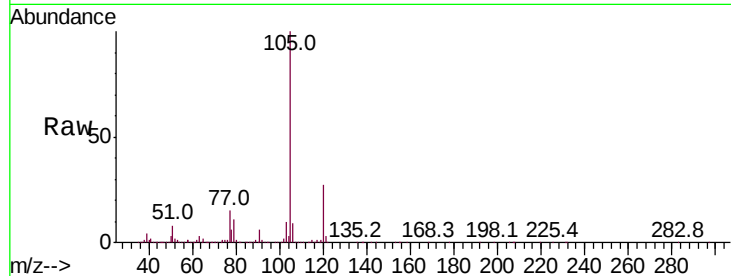
105 100

120 27.7 14.1 42.4

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#74

N-ethyl acetate

Concen: 21.787 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion: 43 Resp: 210325

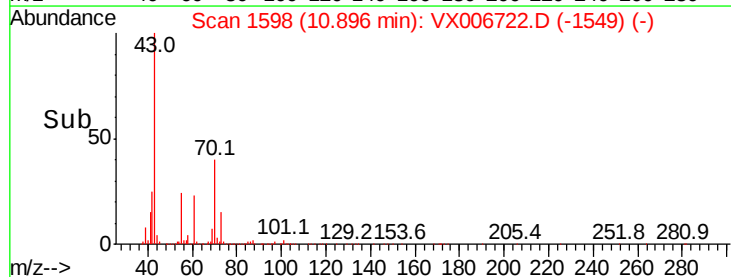
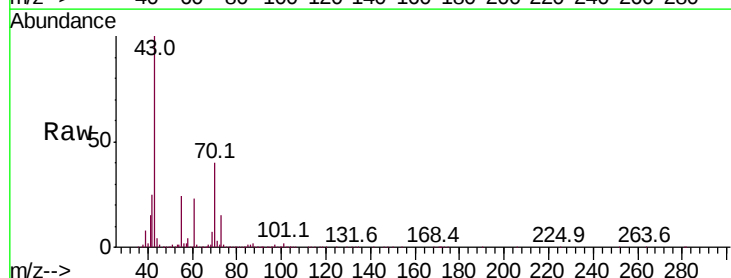
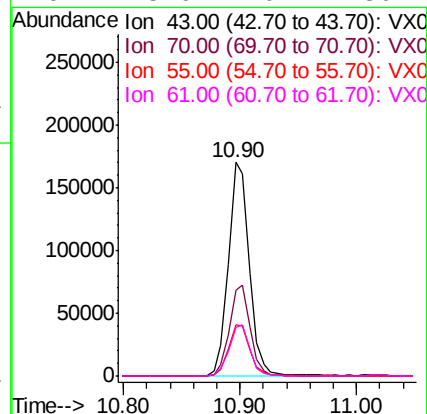
Ion Ratio Lower Upper

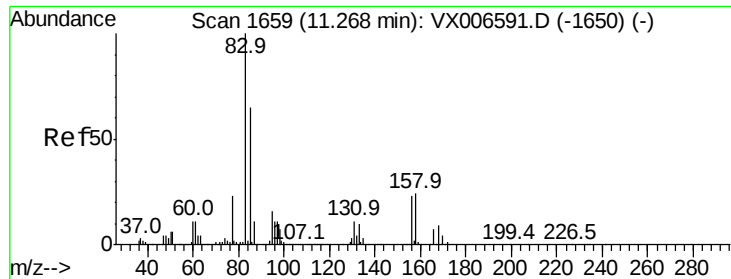
43 100

70 43.3 35.8 53.8

55 24.8 19.4 29.0

61 23.9 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.119 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 83 Resp: 177418

Ion Ratio Lower Upper

83 100

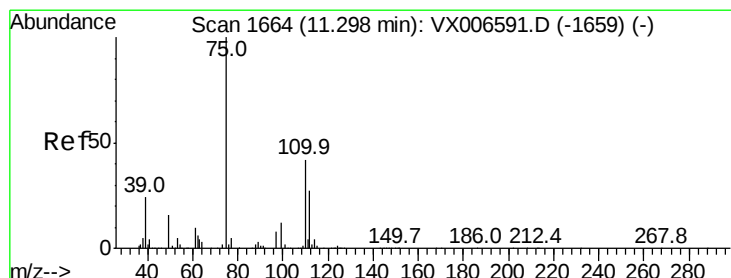
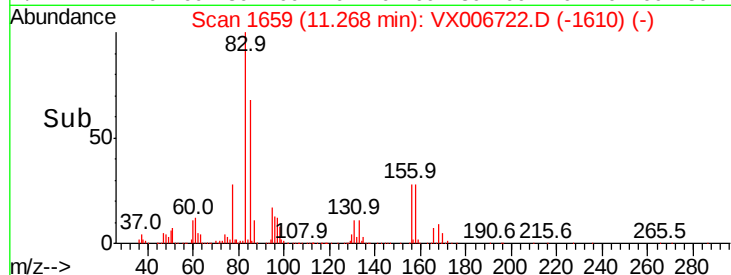
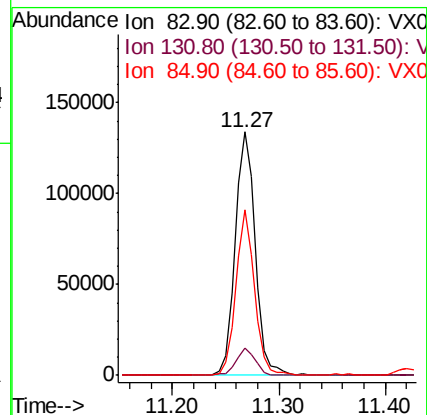
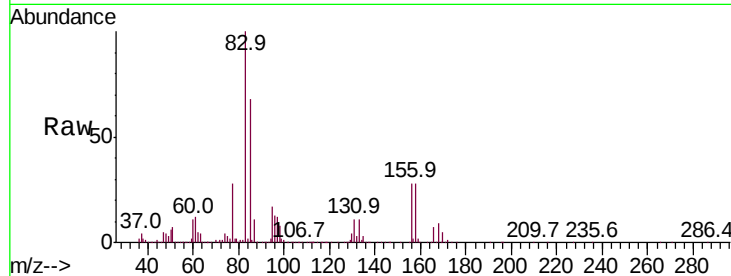
131 10.7 5.7 17.1

85 63.0 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 21.263 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006722.D

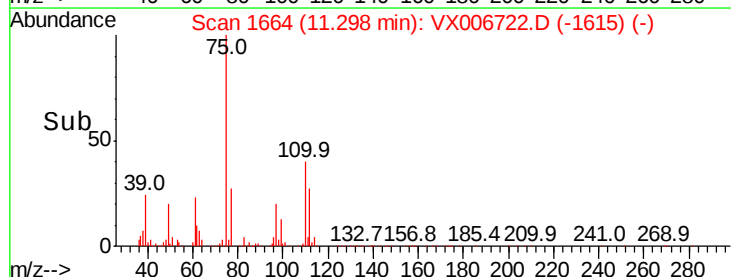
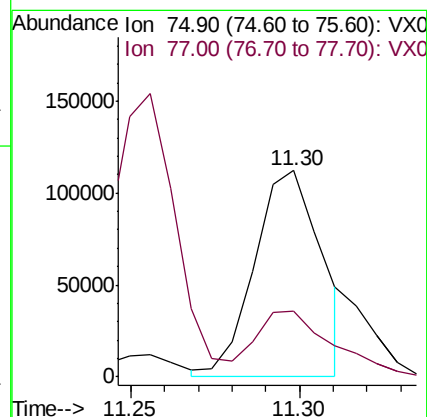
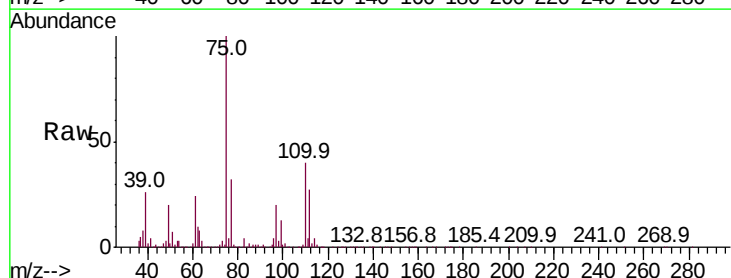
Acq: 21 Dec 2018 14:36

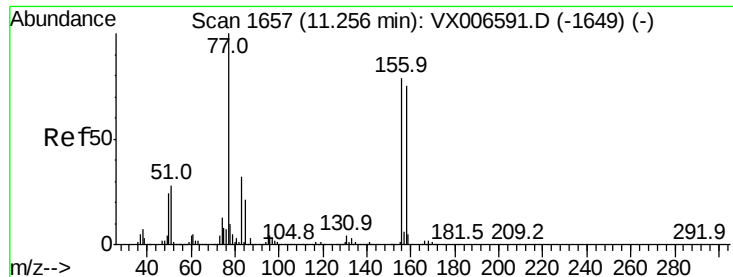
Tgt Ion: 75 Resp: 155783

Ion Ratio Lower Upper

75 100

77 36.3 18.5 55.5





#77

Bromobenzene

Concen: 20.272 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

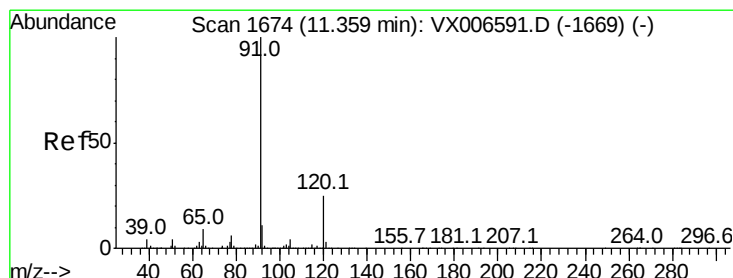
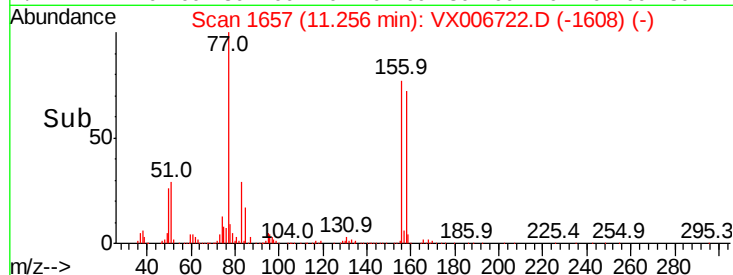
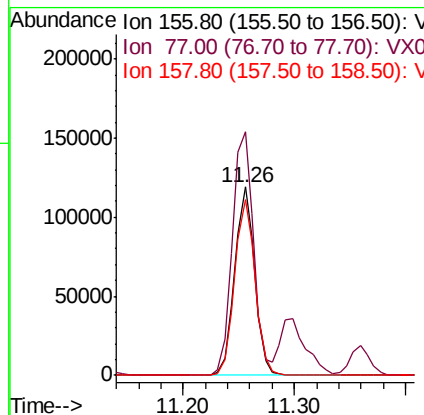
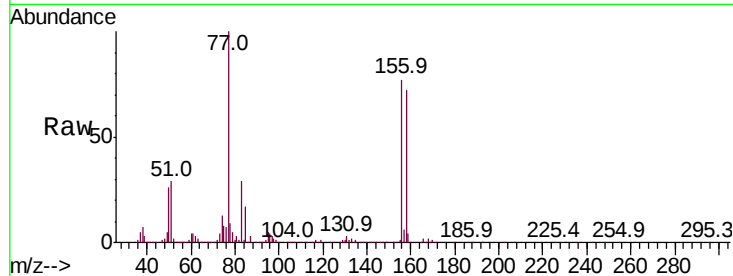
ClientSampleId :

VX1221WBSD01

Tot Ion:	156	Resp:	147813
Ion Ratio	Lower	Upper	
156	100		
77	137.7	68.0	204.0
158	95.4	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.095 ug/l

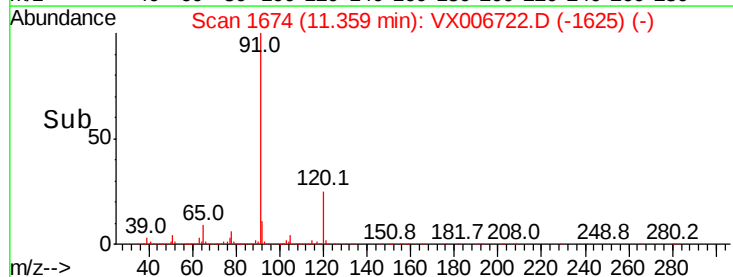
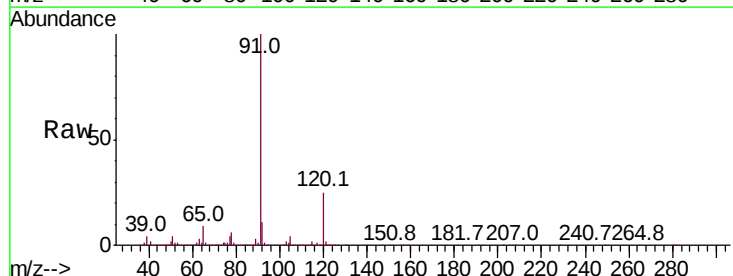
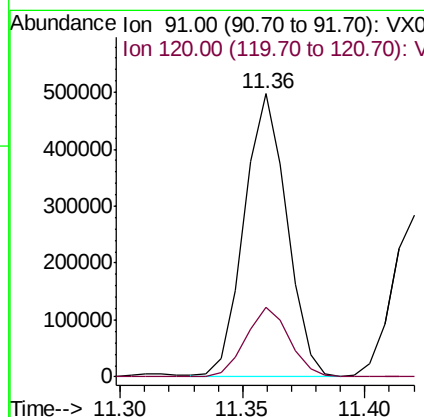
RT: 11.36 min Scan# 1674

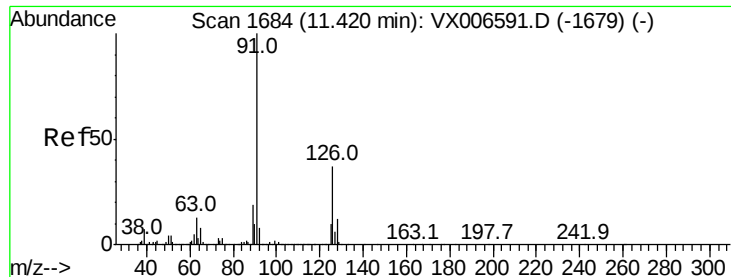
Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion:	91	Resp:	596816
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.863 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 91 Resp: 357495

Ion Ratio Lower Upper

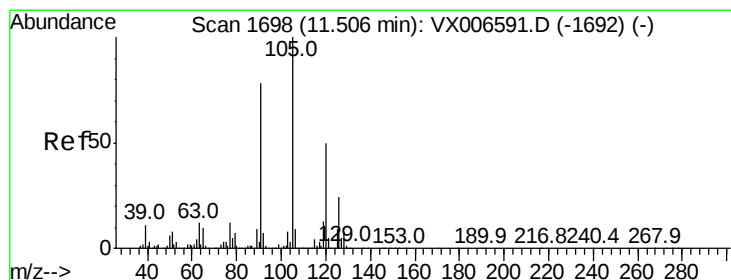
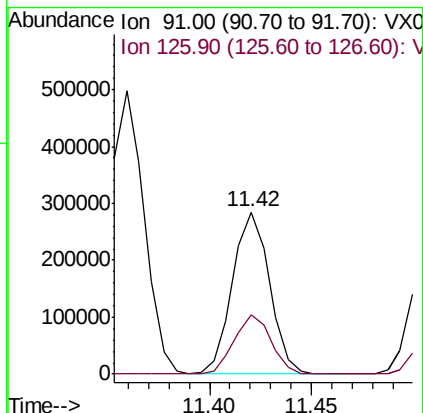
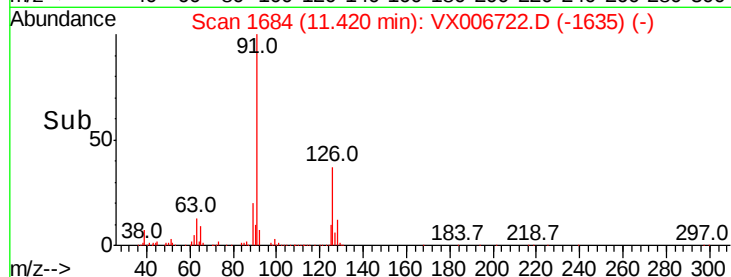
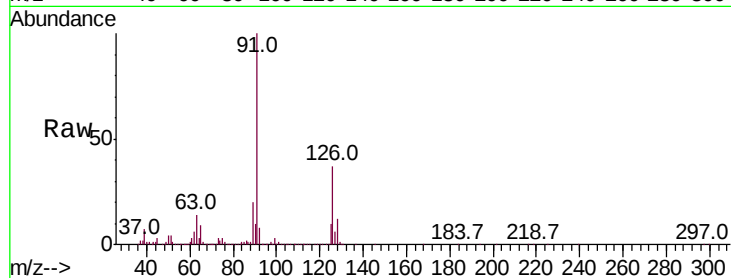
91 100

126 36.9 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.441 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006722.D

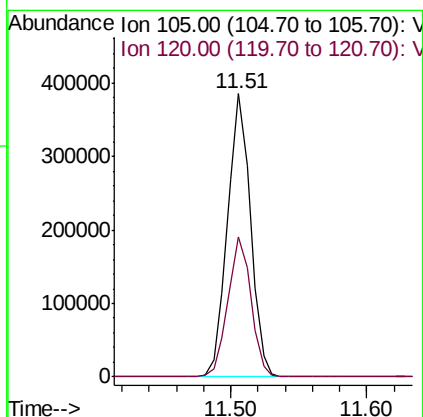
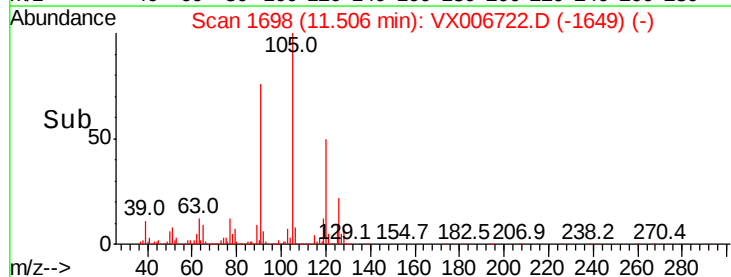
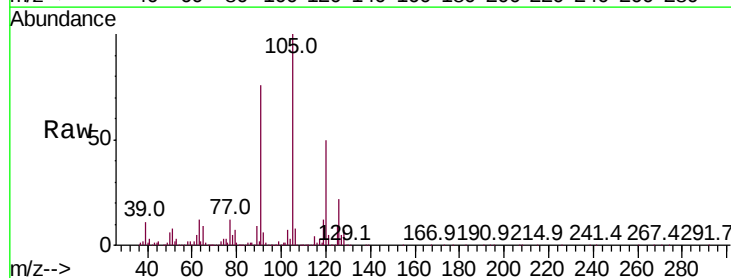
Acq: 21 Dec 2018 14:36

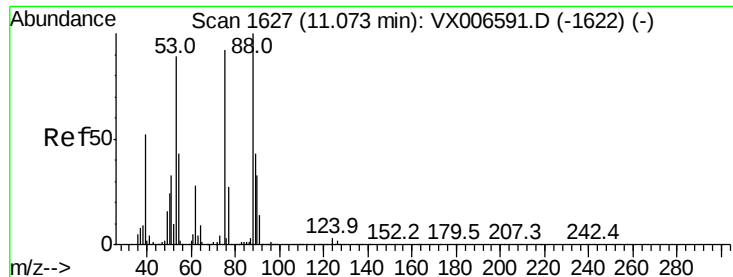
Tgt Ion: 105 Resp: 454077

Ion Ratio Lower Upper

105 100

120 49.6 25.1 75.3





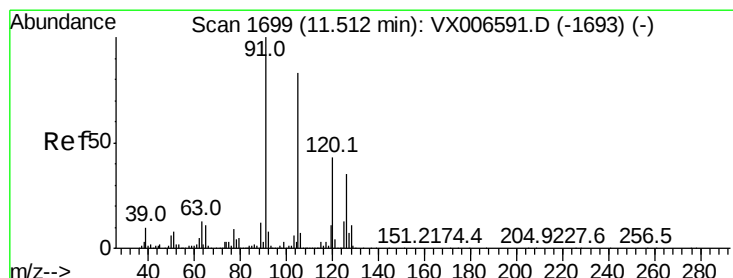
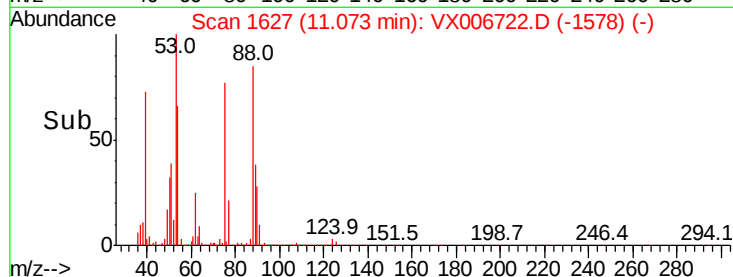
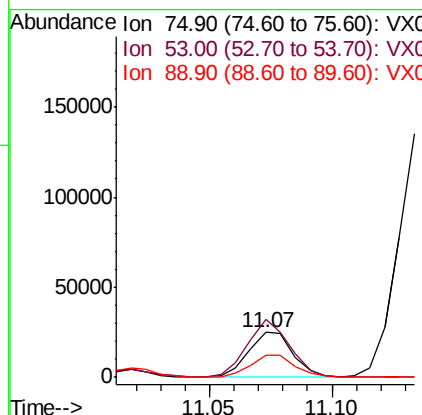
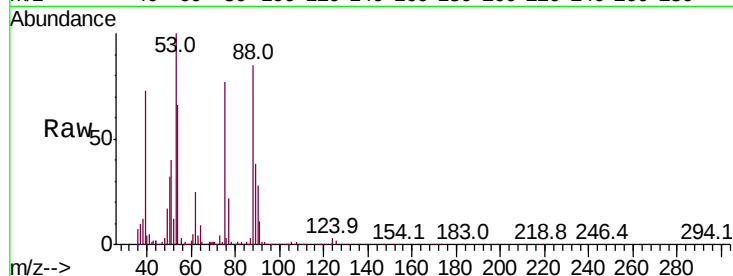
#81
trans-1,4-Dichloro-2-butene
Concen: 16.292 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.7	79.7	119.5#
89	50.1	38.0	57.0

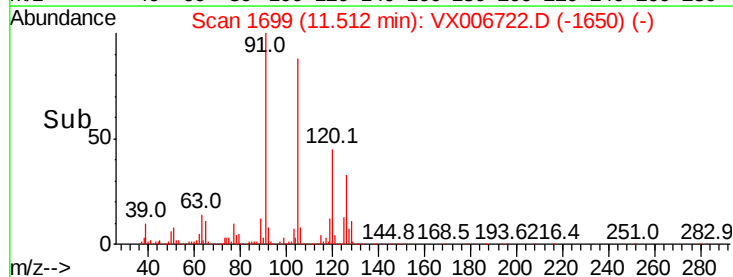
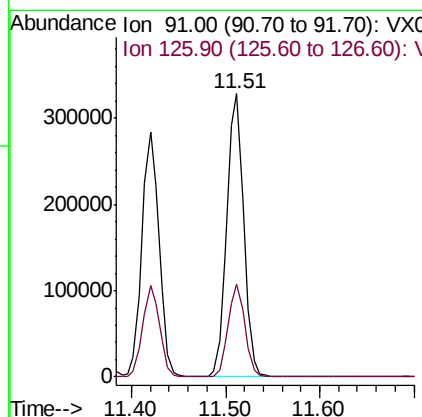
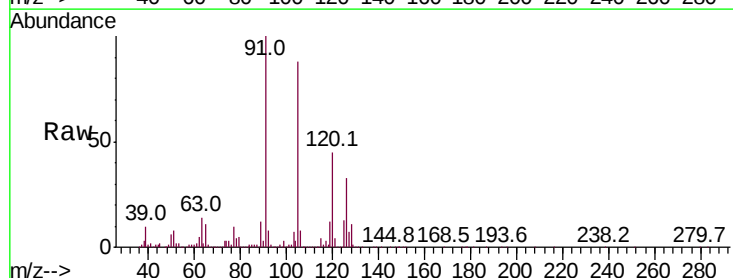
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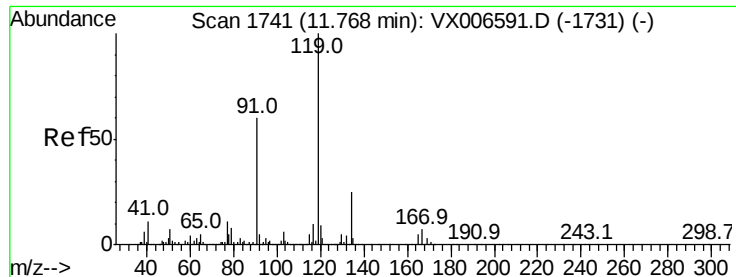
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#82
4-Chlorotoluene
Concen: 19.878 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.3	48.9





#83

tert-Butylbenzene

Concen: 20.474 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

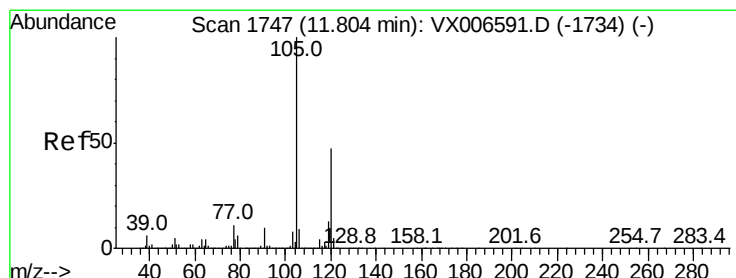
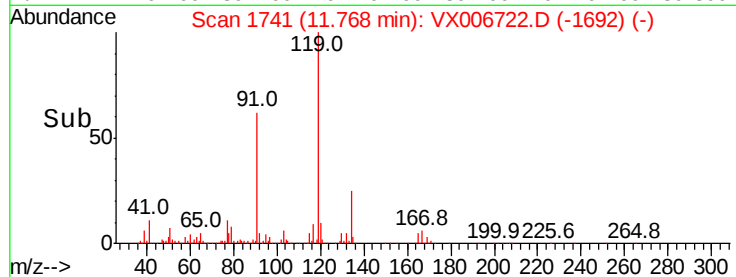
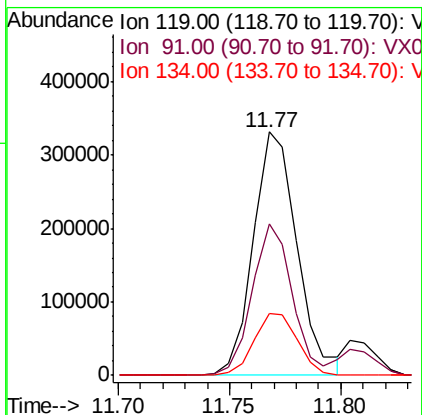
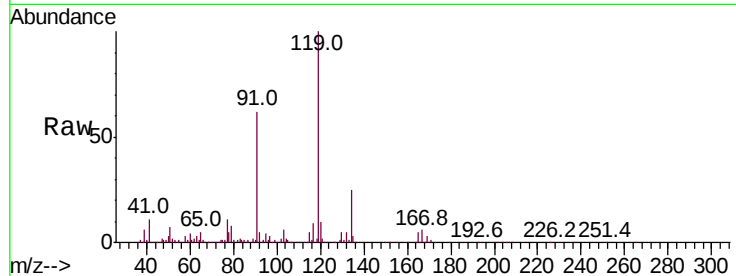
ClientSampleId :

VX1221WBSD01

Tot Ion:	119	Resp:	455197
Ion Ratio	Lower	Upper	
119	100		
91	56.5	27.7	83.1
134	25.1	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.543 ug/l

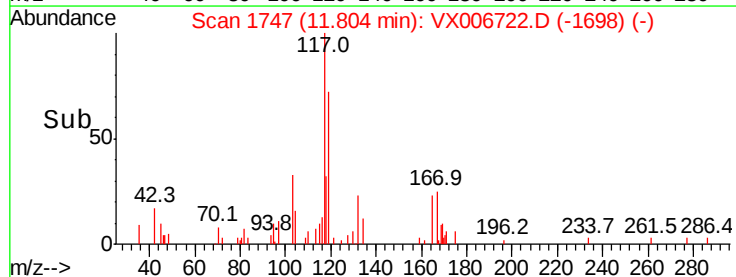
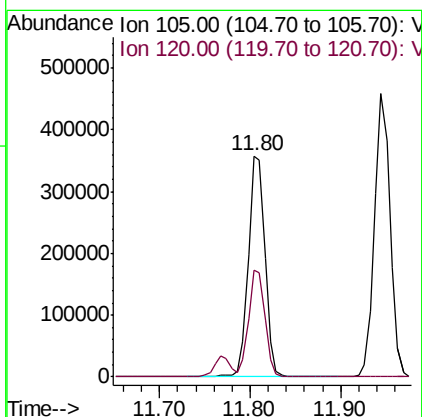
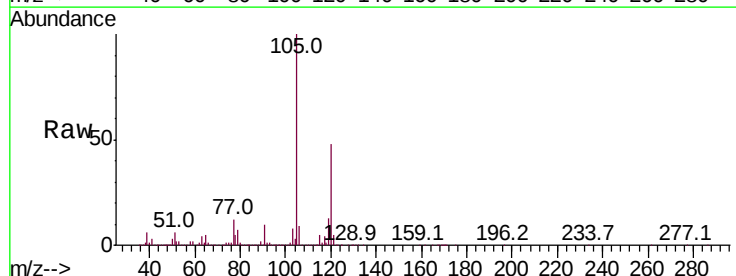
RT: 11.80 min Scan# 1747

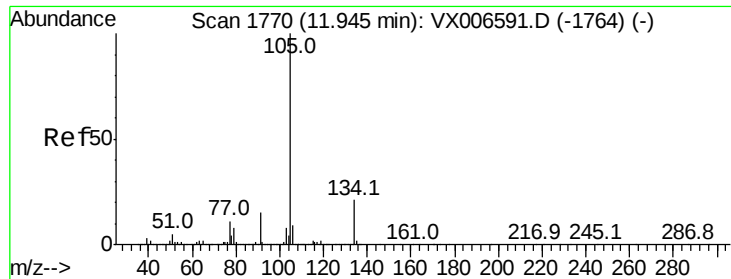
Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion:	105	Resp:	456646
Ion Ratio	Lower	Upper	
105	100		
120	47.2	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.142 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion:105 Resp: 549054

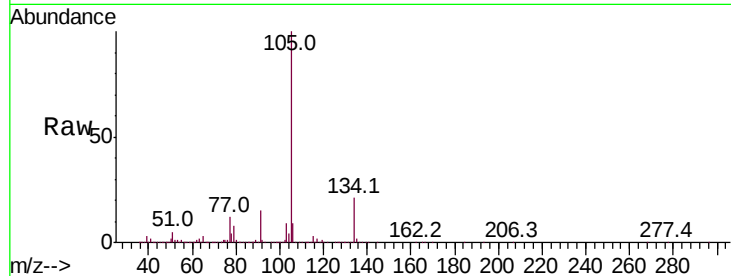
Ion Ratio Lower Upper

105 100

134 21.2 10.7 31.9

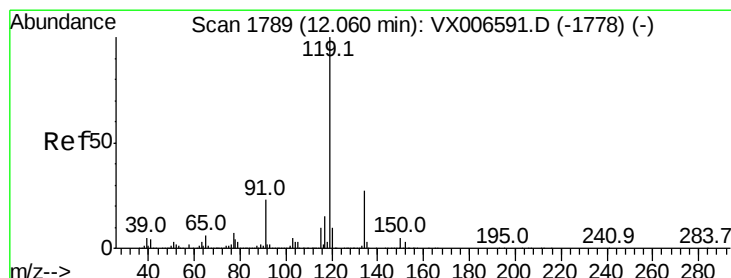
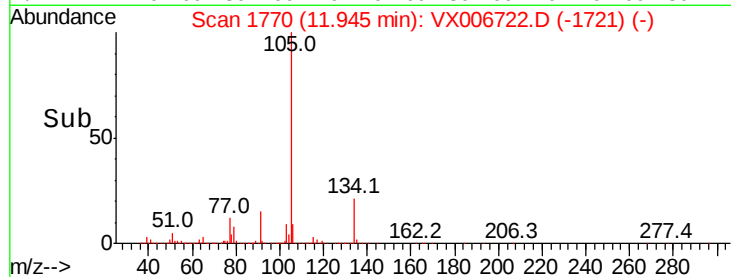
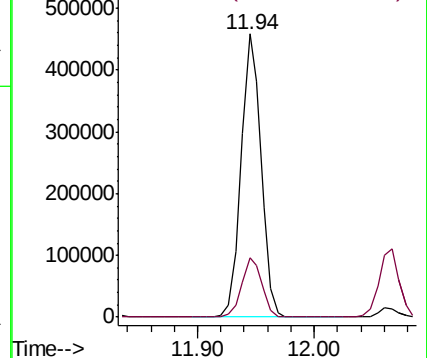
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.131 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

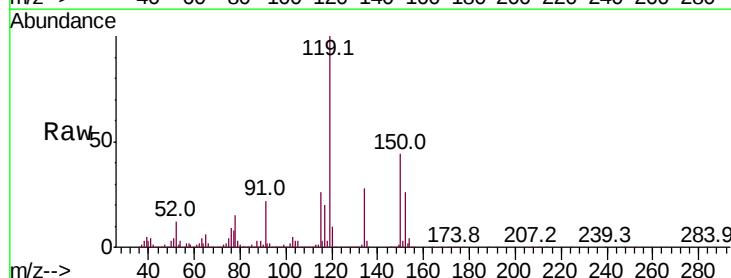
Tgt Ion:119 Resp: 482389

Ion Ratio Lower Upper

119 100

134 27.5 14.0 41.9

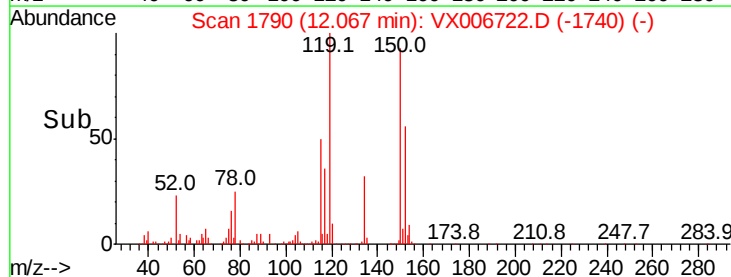
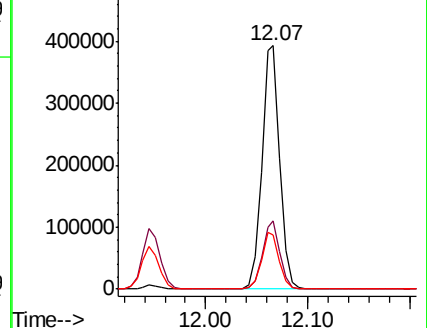
91 22.7 11.3 33.9

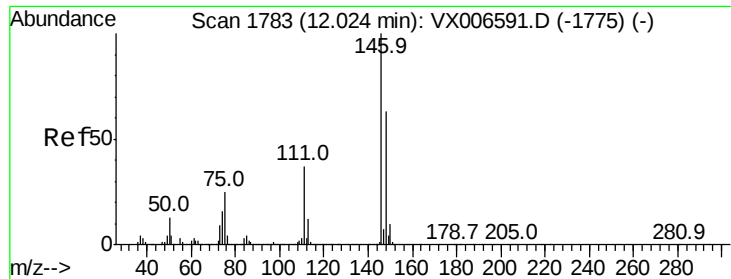


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.693 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

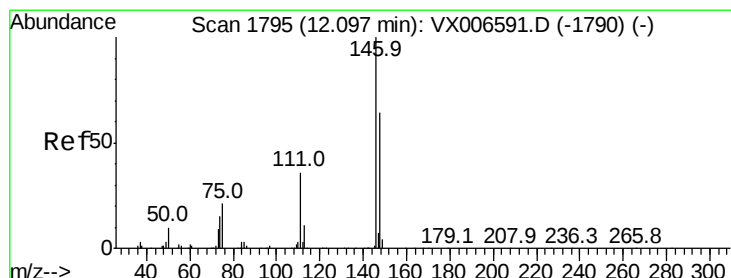
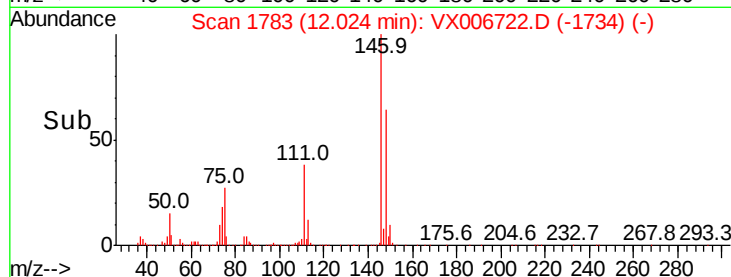
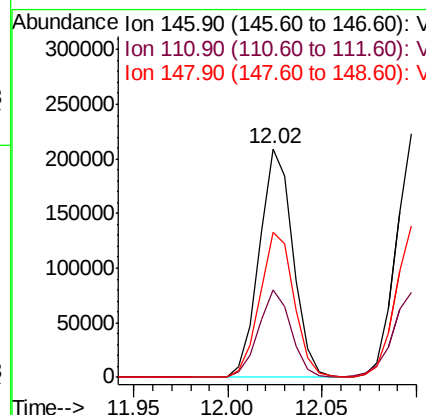
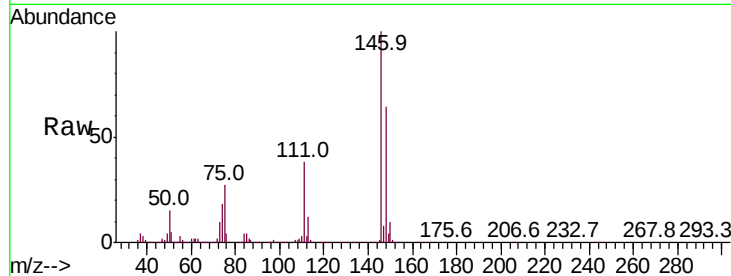
Instrument :
MSVOA_X

ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	258795		
111	37.1	18.6	55.8	
148	64.6	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 19.156 ug/l

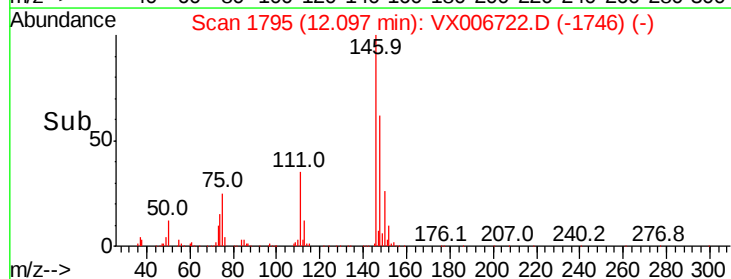
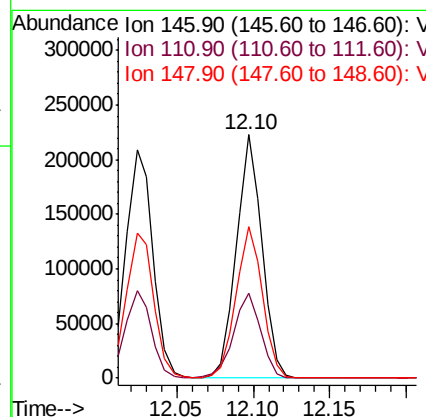
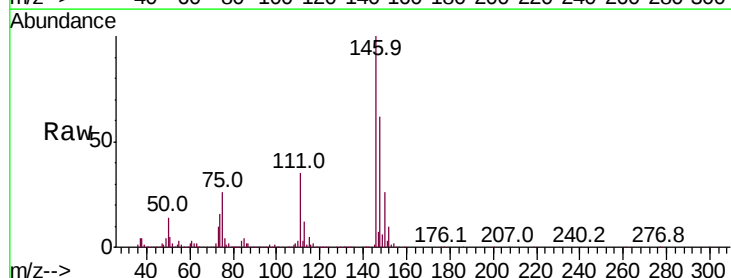
RT: 12.10 min Scan# 1795

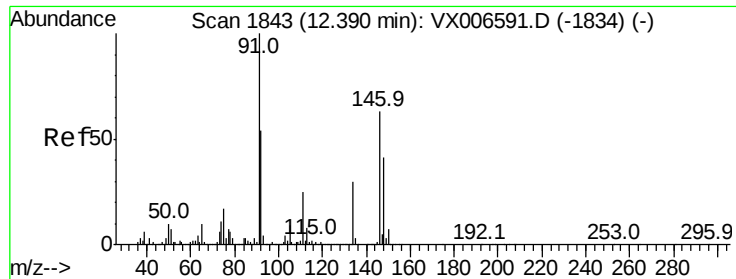
Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	258064		
111	37.3	18.1	54.1	
148	64.3	31.9	95.9	





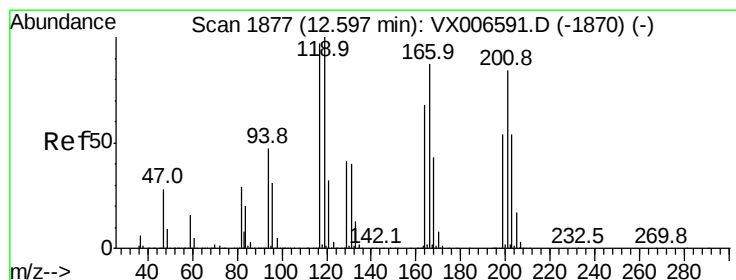
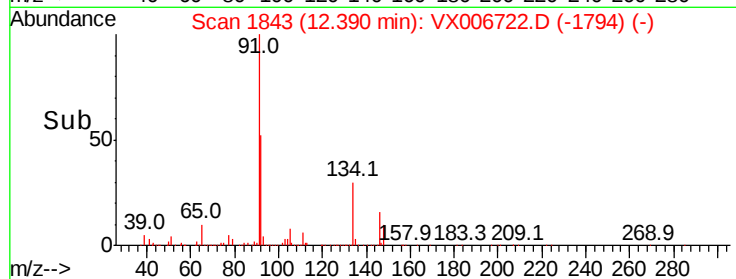
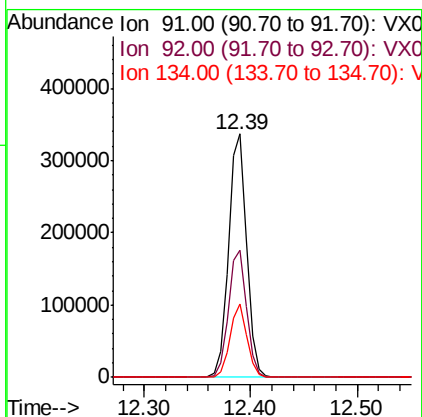
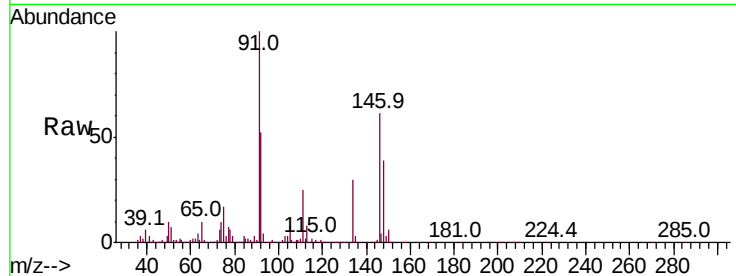
#89
n-Butylbenzene
Concen: 19.618 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	26.8	80.4	
134	28.4	14.4	43.2	

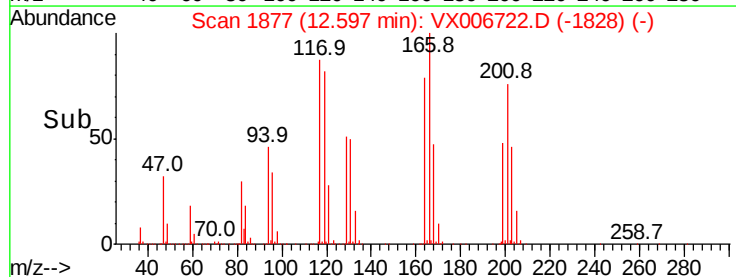
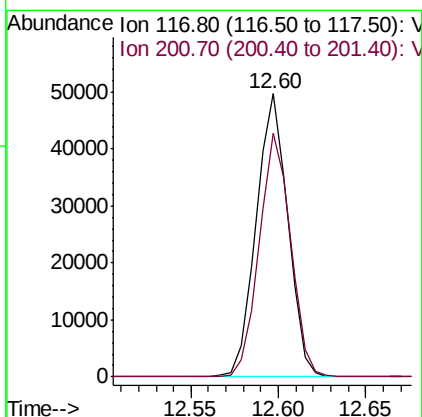
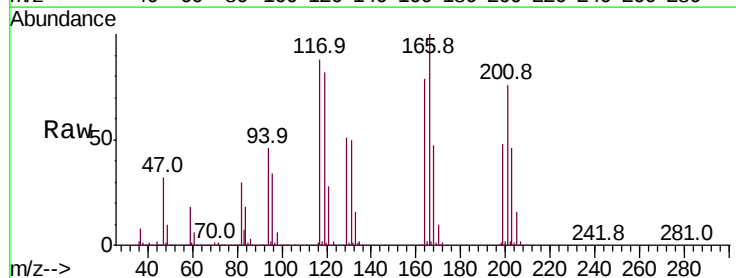
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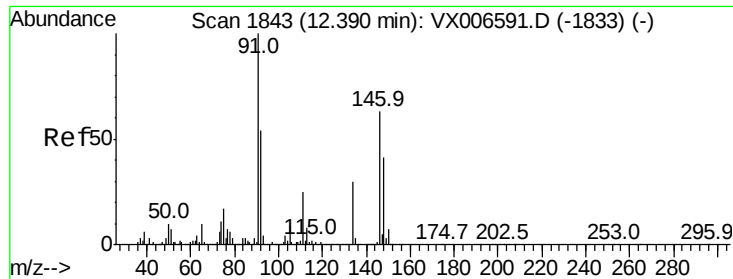
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#90
Hexachloroethane
Concen: 18.804 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.7	42.9	128.7	





#91

1,2-Dichlorobenzene

Concen: 19.888 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

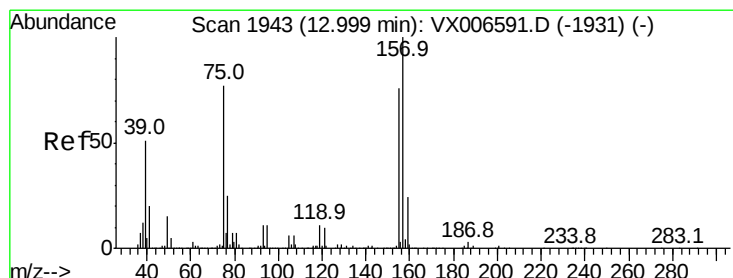
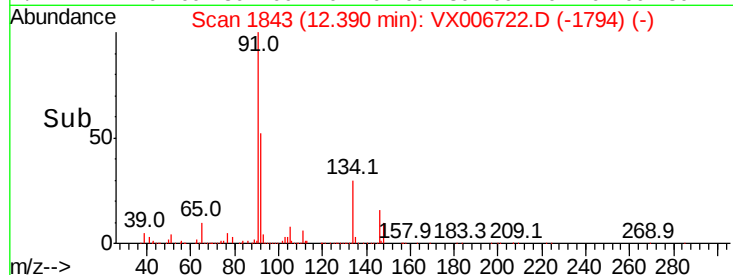
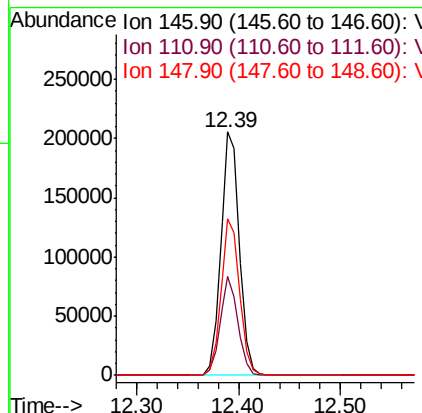
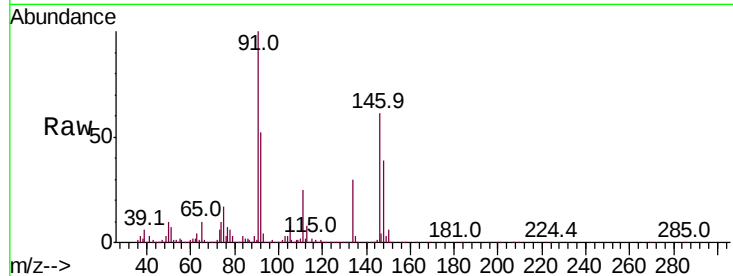
ClientSampleId :

VX1221WBSD01

Tot Ion:	146	Resp:	261444
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.4	58.2
148	64.2	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.246 ug/l

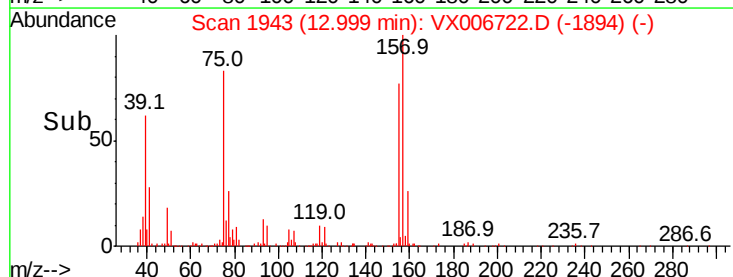
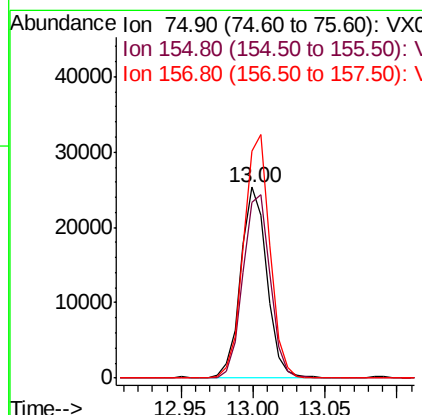
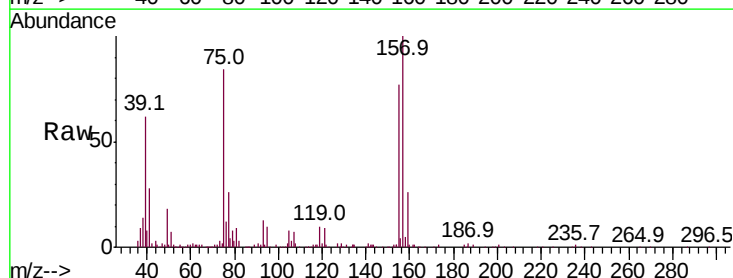
RT: 13.00 min Scan# 1943

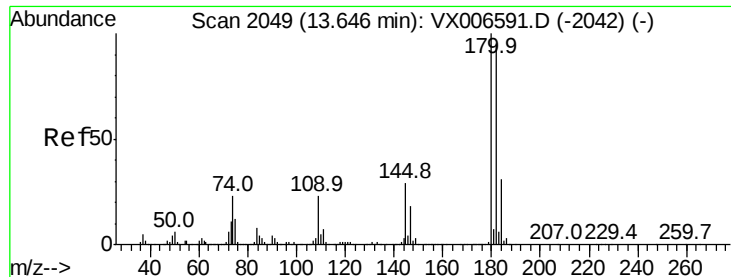
Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion:	75	Resp:	31941
Ion Ratio	Lower	Upper	
75	100		
155	99.4	50.6	151.8
157	127.7	64.6	193.8





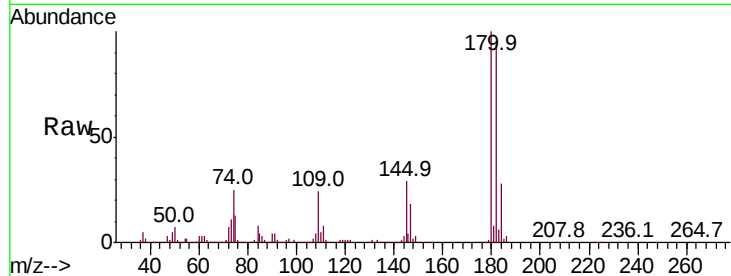
#93
 1,2,4-Trichlorobenzene
 Concen: 19.503 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	176847		
182	95.3	47.3	142.0	
145	30.2	14.8	44.3	

Manual Integrations
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MMDadoda
 12/22/2018 11:21:01 AM

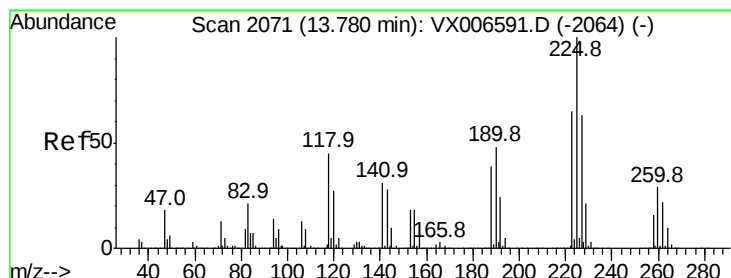
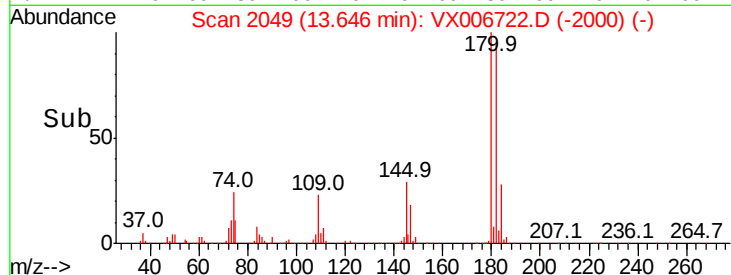
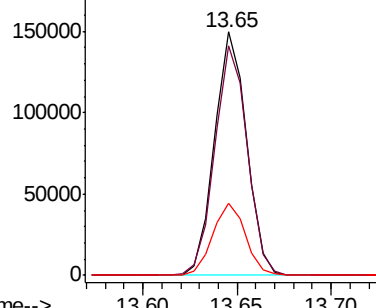


Abundance

Ion 179.80 (179.50 to 180.50): V

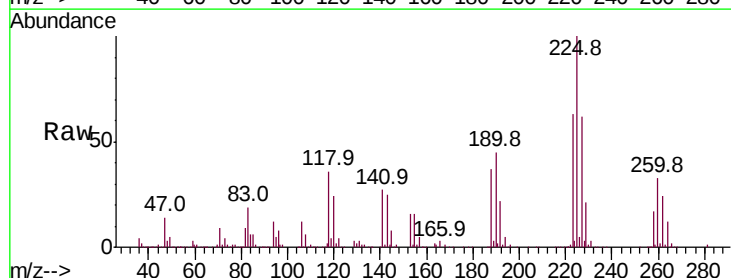
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.101 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81638		
223	62.4	32.1	96.3	
227	61.8	32.3	96.8	

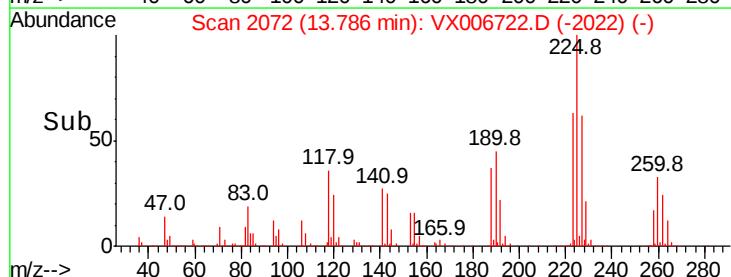
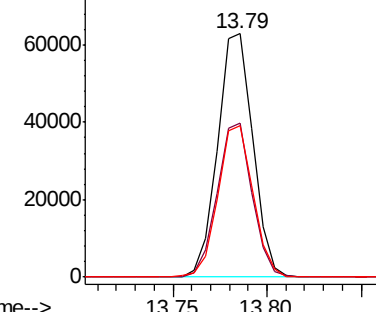


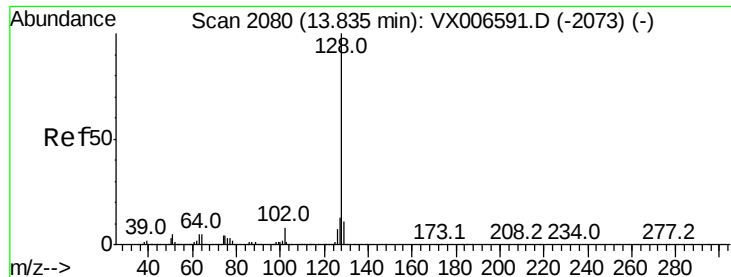
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





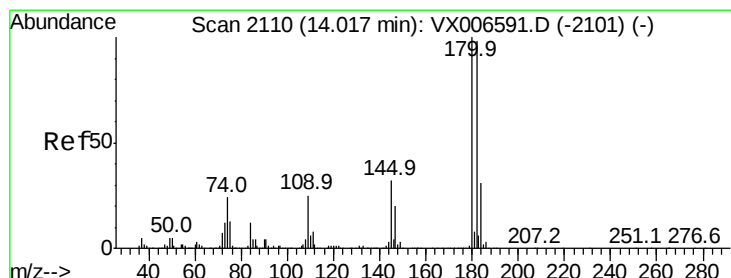
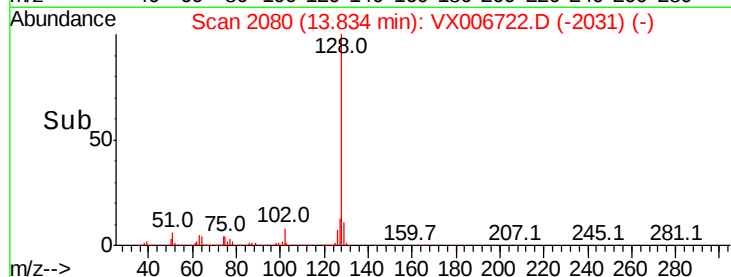
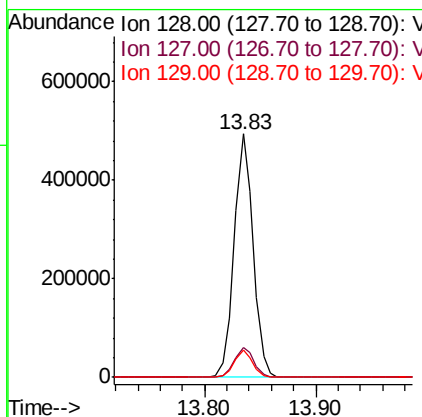
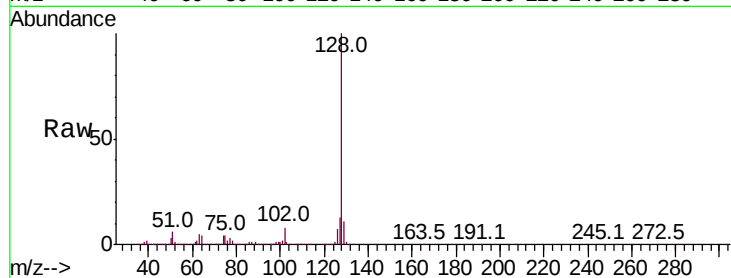
#95
Naphthalene
Concen: 20.013 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.730 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.5	145.5
145	30.4	16.0	47.9

