

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122818\
 Data File : VX006867.D
 Acq On : 28 Dec 2018 17:53
 Operator : JC/MD
 Sample : VX1228MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 10:47:06 AM

Quant Time: Dec 29 00:40:07 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	552217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	818755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	726438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	361835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	307132	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	5.50	113	271741	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
50) Toluene-d8	8.71	98	989792	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.13	95	348885	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	84224	16.672	ug/l	97
3) Chloromethane	1.33	50	92974	17.083	ug/l	97
4) Vinyl Chloride	1.41	62	101914	17.929	ug/l	96
5) Bromomethane	1.64	94	101419	17.888	ug/l	97
6) Chloroethane	1.72	64	71582	18.187	ug/l	95
7) Trichlorofluoromethane	1.93	101	169824	19.163	ug/l	97
8) Diethyl Ether	2.19	74	69644	19.785	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	98646	18.958	ug/l	97
10) Methyl Iodide	2.51	142	142217	19.093	ug/l	99
11) Tert butyl alcohol	3.07	59	137093	103.215	ug/l	99
12) 1,1-Dichloroethene	2.37	96	92797	18.808	ug/l	98
13) Acrolein	2.30	56	81271	90.701	ug/l	95
14) Allyl chloride	2.73	41	161154	19.405	ug/l	99
15) Acrylonitrile	3.15	53	318532	108.011	ug/l	99
16) Acetone	2.45	43	268657	98.253	ug/l	99
17) Carbon Disulfide	2.57	76	173371	13.278	ug/l	100
18) Methyl Acetate	2.78	43	194868	24.237	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	356273	21.756	ug/l	95
20) Methylene Chloride	2.86	84	111879	19.787	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	101835	18.628	ug/l	97
22) Diisopropyl ether	3.87	45	328857	21.645	ug/l	94
23) Vinyl Acetate	3.82	43	1264170	101.722	ug/l	100
24) 1,1-Dichloroethane	3.70	63	178619	19.694	ug/l	97
25) 2-Butanone	4.70	43	392863	102.144	ug/l	99
26) 2,2-Dichloropropane	4.59	77	120474	17.196	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	117995	19.563	ug/l	99
28) Bromochloromethane	5.02	49	81667	20.258	ug/l	97
29) Tetrahydrofuran	5.15	42	264728	104.503	ug/l	99
30) Chloroform	5.21	83	188267	20.045	ug/l	97
31) Cyclohexane	5.57	56	143334	17.396	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	150432	18.969	ug/l	98
36) 1,1-Dichloropropene	5.80	75	129814	19.143	ug/l	99
37) Ethyl Acetate	4.85	43	150968	21.390	ug/l	99
38) Carbon Tetrachloride	5.78	117	124560	18.901	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148592	16.644	ug/l	98
40) Benzene	6.14	78	414947	20.131	ug/l	98
41) Methacrylonitrile	5.06	41	85702	22.871	ug/l	99
42) 1,2-Dichloroethane	6.20	62	143875	20.484	ug/l	100
43) Isopropyl Acetate	6.46	43	236360	22.009	ug/l	99
44) Trichloroethene	7.21	130	119990	19.233	ug/l	95
45) 1,2-Dichloropropane	7.52	63	105205	20.974	ug/l	96
46) Dibromomethane	7.66	93	71999	19.514	ug/l	96
47) Bromodichloromethane	7.90	83	116907	19.085	ug/l	100
48) Methyl methacrylate	7.77	41	121351	22.221	ug/l	99
49) 1,4-Dioxane	7.75	88	55643	377.036	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	768020	112.400	ug/l	99
52) Toluene	8.79	92	264211	19.841	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	123237	18.759	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	145402	20.171	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	115249	21.144	ug/l	99
56) Ethyl methacrylate	9.18	69	164140	21.306	ug/l	96
57) 1,3-Dichloropropane	9.37	76	183541	20.929	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	415197	101.388	ug/l	100
59) 2-Hexanone	9.49	43	570350	109.095	ug/l	100
60) Dibromochloromethane	9.59	129	96502	18.465	ug/l	98
61) 1,2-Dibromoethane	9.67	107	119687	20.656	ug/l	99
64) Tetrachloroethene	9.34	164	113631	19.754	ug/l	97
65) Chlorobenzene	10.14	112	310253	20.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	103002	21.482	ug/l	98
67) Ethyl Benzene	10.25	91	499930	19.907	ug/l	99
68) m/p-Xylenes	10.36	106	392494	39.608	ug/l	99
69) o-Xylene	10.70	106	195460	19.975	ug/l	100
70) Styrene	10.71	104	311352	20.112	ug/l	99
71) Bromoform	10.86	173	66729	18.512	ug/l #	99
73) Isopropylbenzene	11.02	105	505006	20.401	ug/l	100
74) N-amyl acetate	10.90	43	206931	23.354	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	168036	22.825	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	151681m	22.557	ug/l	
77) Bromobenzene	11.26	156	138825	20.744	ug/l	98
78) n-propylbenzene	11.36	91	550896	20.210	ug/l	99
79) 2-Chlorotoluene	11.42	91	332982	20.157	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	411027	20.159	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34198	18.399	ug/l #	85
82) 4-Chlorotoluene	11.51	91	381170	20.116	ug/l	99
83) tert-Butylbenzene	11.77	119	403392	19.768	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	428722	19.991	ug/l	99
85) sec-Butylbenzene	11.94	105	484821	19.378	ug/l	100
86) p-Isopropyltoluene	12.07	119	431937	19.640	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	243332	20.175	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	243618	19.703	ug/l	98
89) n-Butylbenzene	12.39	91	354090	18.918	ug/l	98
90) Hexachloroethane	12.60	117	52767	17.614	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	246591	20.438	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29446	19.331	ug/l	99

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QLast Update : Wed Dec 19 15:20:58 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	157368	18.908	ug/l	99
94) Hexachlorobutadiene	13.78	225	67810	17.286	ug/l	100
95) Naphthalene	13.83	128	499919	18.820	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	156507	18.213	ug/l	98

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

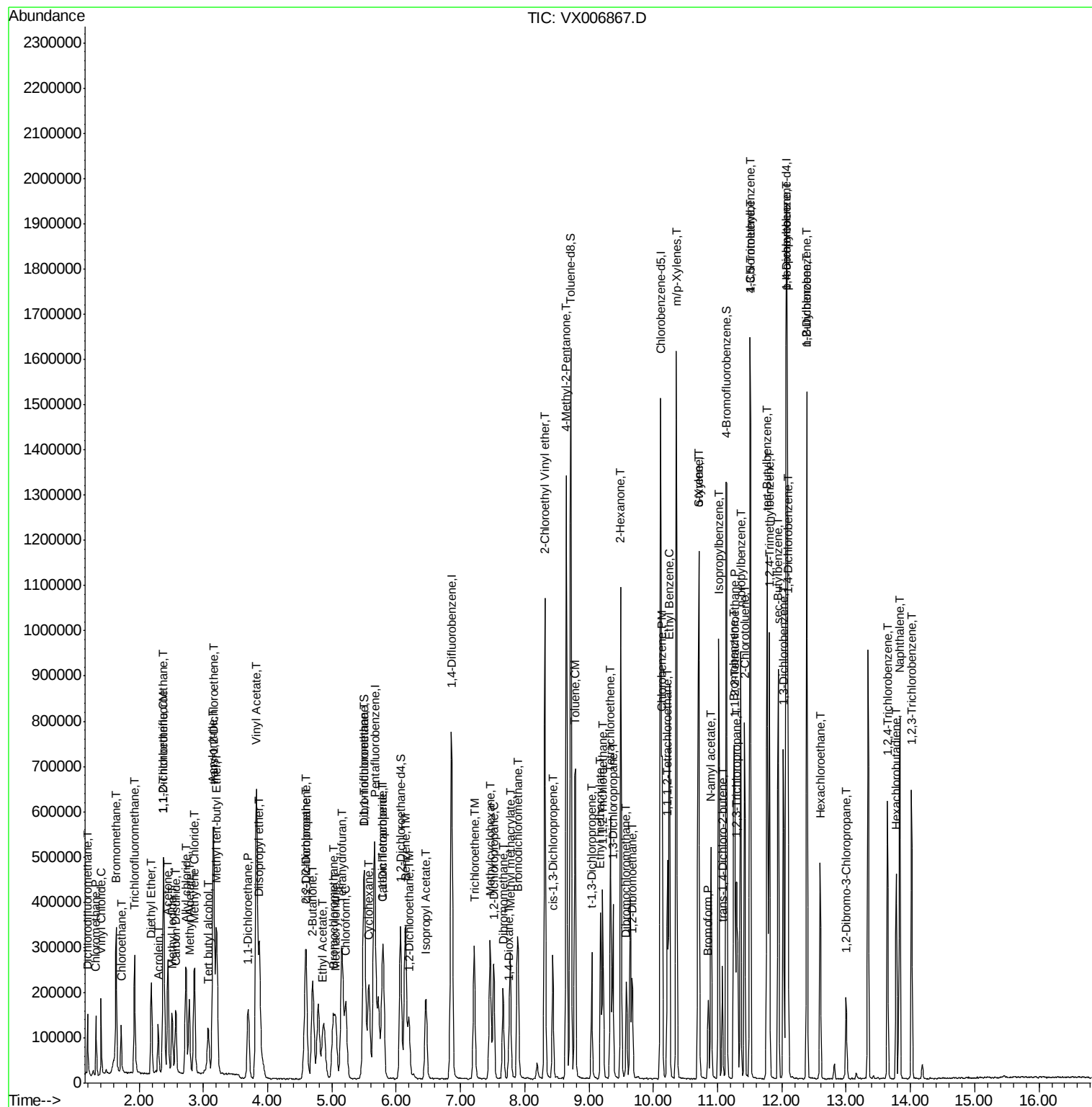
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 Data File : VX006867.D
 Acq On : 28 Dec 2018 17:53
 Operator : JC/MD
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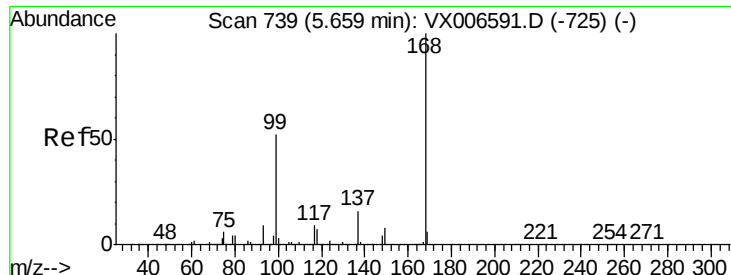
Instrument :
 MSVOA_X
 Client Sample ID :
 VX1228MBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBSD01

Tot Ion:168 Resp: 552217

Ion Ratio Lower Upper

168 100

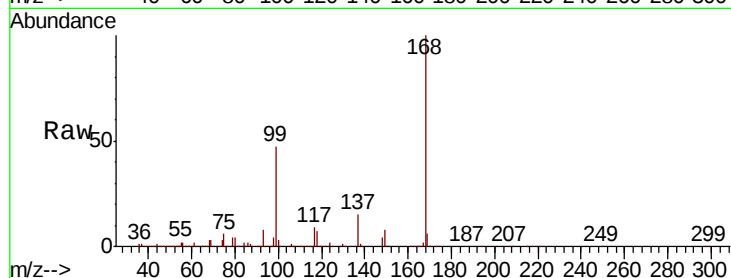
99 47.0 41.8 62.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

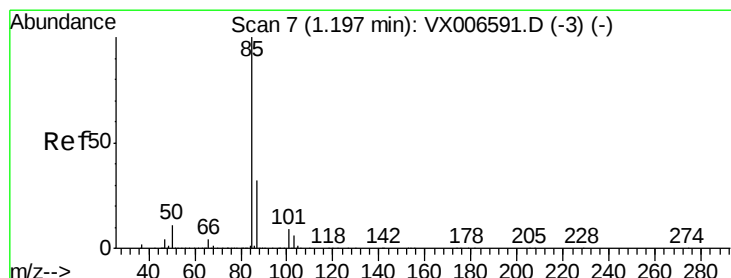
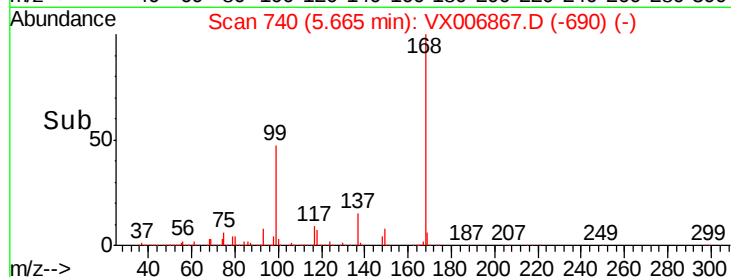
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.672 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006867.D

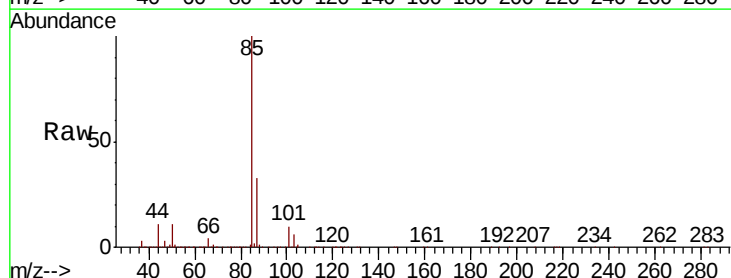
Acq: 28 Dec 2018 17:53

Tgt Ion: 85 Resp: 84224

Ion Ratio Lower Upper

85 100

87 33.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

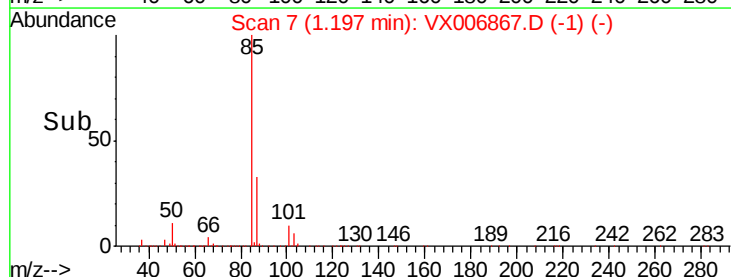
40000

20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.083 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 50 Resp: 92974

Ion Ratio Lower Upper

50 100

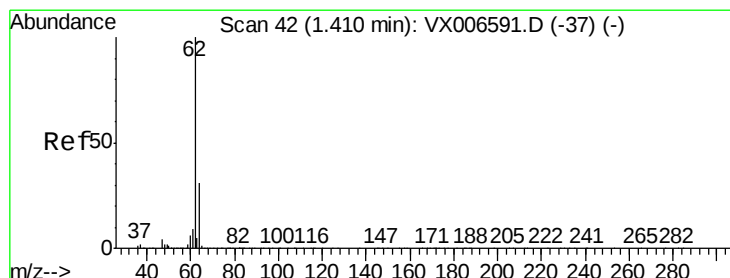
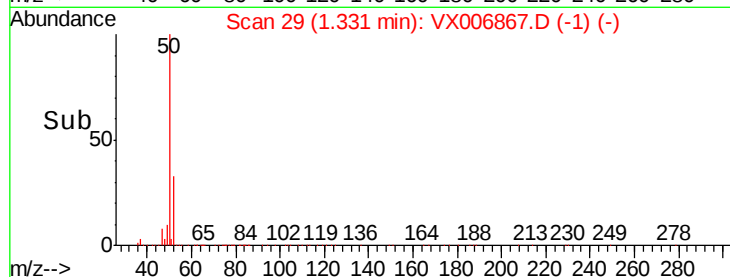
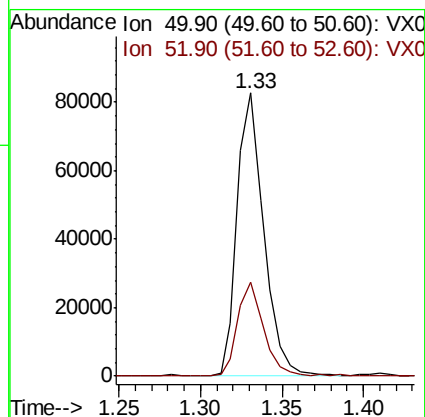
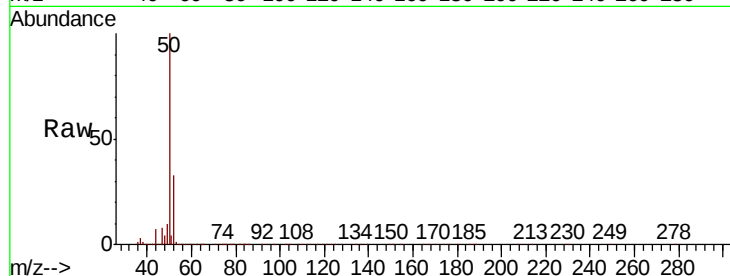
52 33.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.929 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006867.D

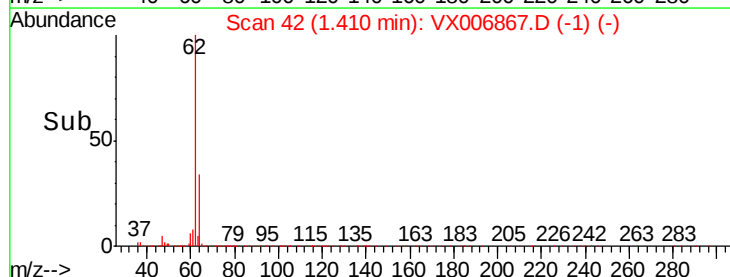
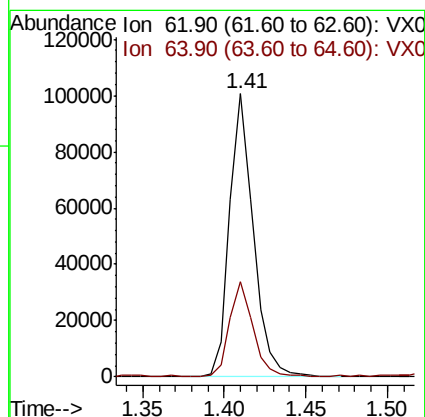
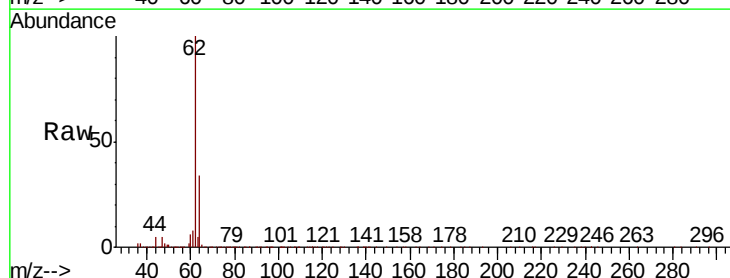
Acq: 28 Dec 2018 17:53

Tgt Ion: 62 Resp: 101914

Ion Ratio Lower Upper

62 100

64 33.6 25.1 37.7





#5

Bromomethane

Concen: 17.888 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 94 Resp: 101419

Ion Ratio Lower Upper

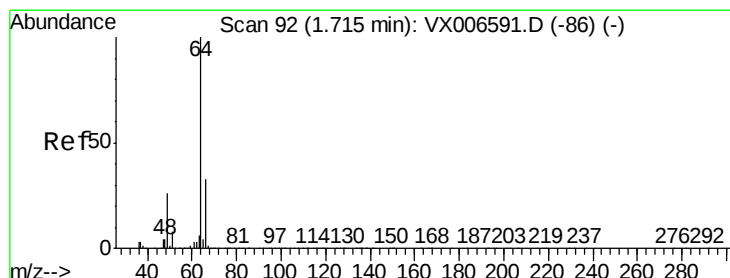
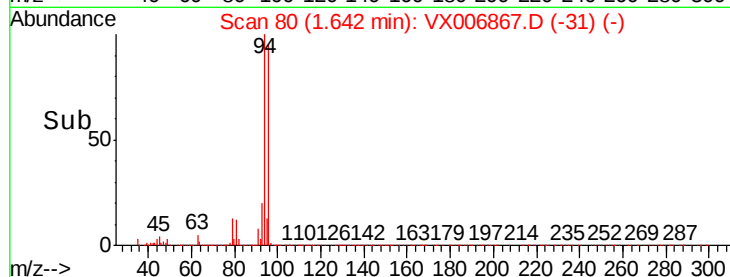
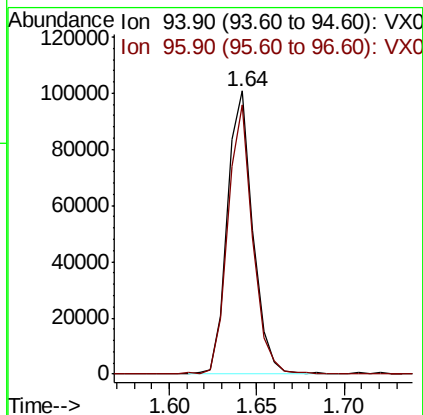
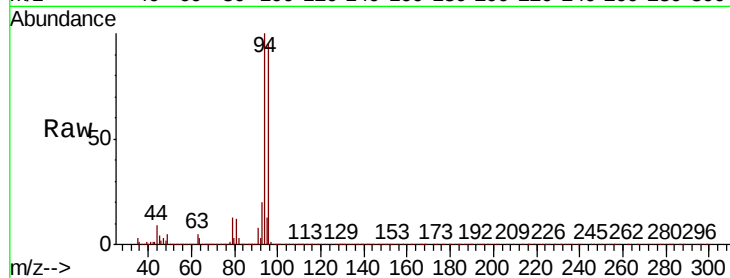
94 100

96 95.1 73.4 110.2

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#6

Chloroethane

Concen: 18.187 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006867.D

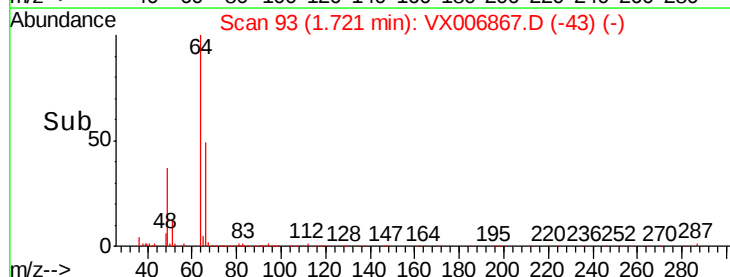
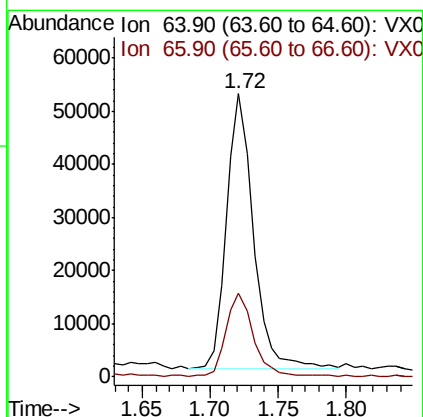
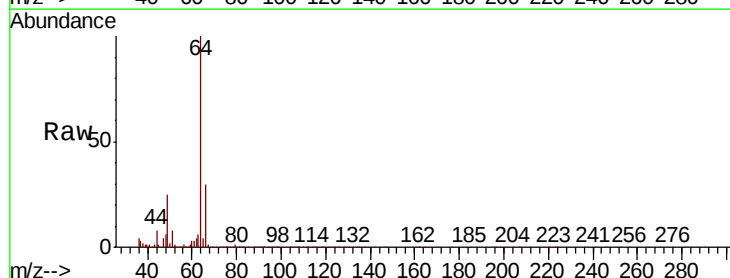
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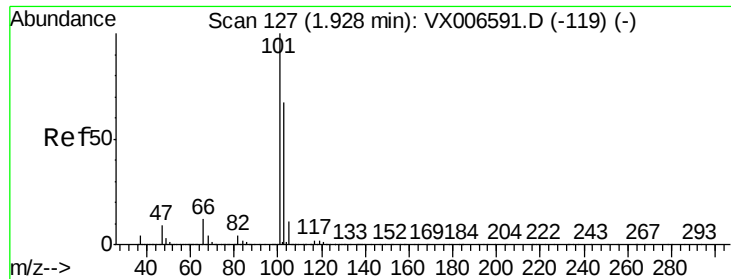
Tgt Ion: 64 Resp: 71582

Ion Ratio Lower Upper

64 100

66 30.2 26.4 39.6





#7

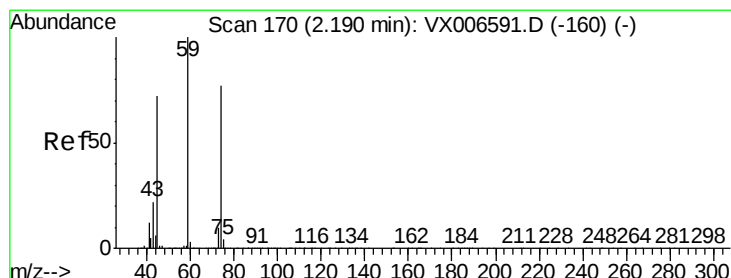
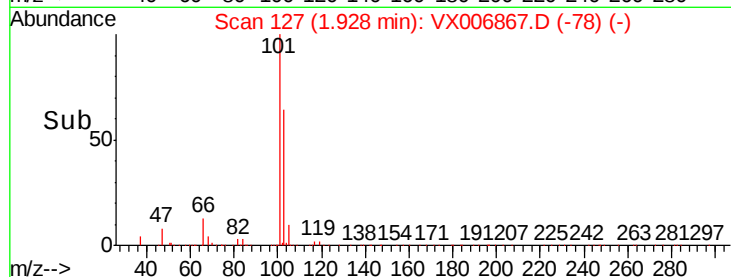
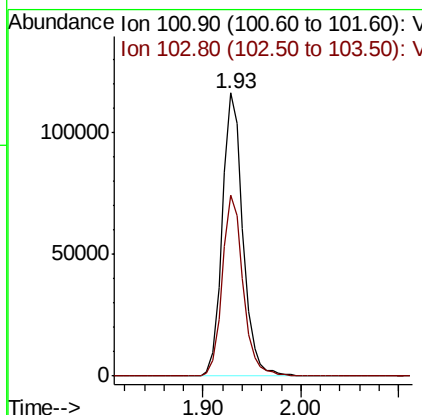
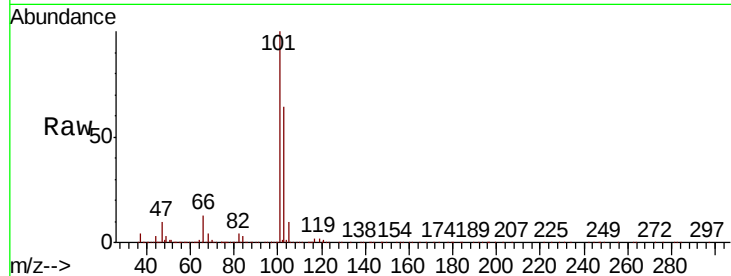
Trichlorofluoromethane
Concen: 19.163 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampled :
VX1228MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	169824		
103	63.9	53.2	79.8	

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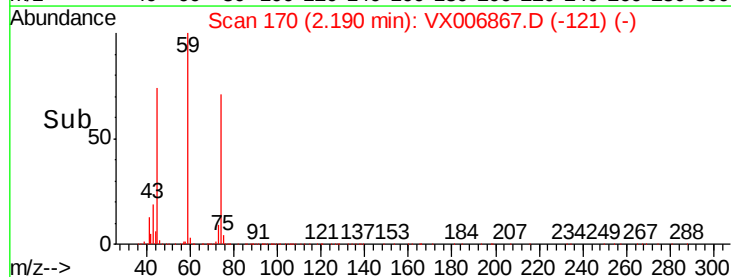
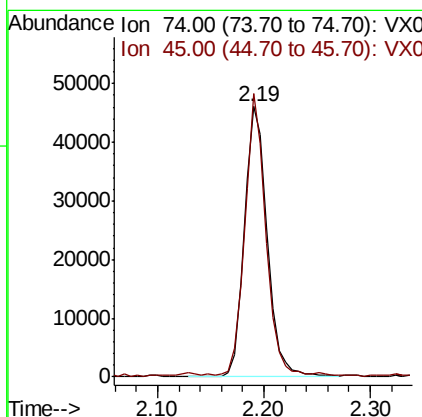
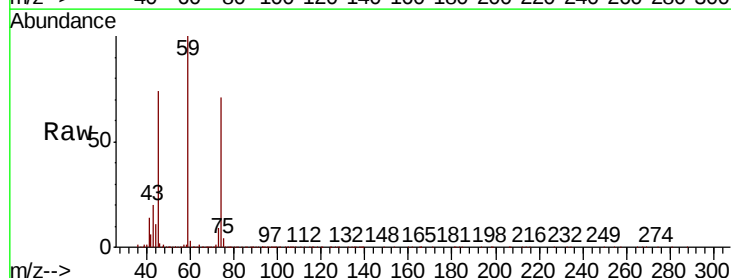
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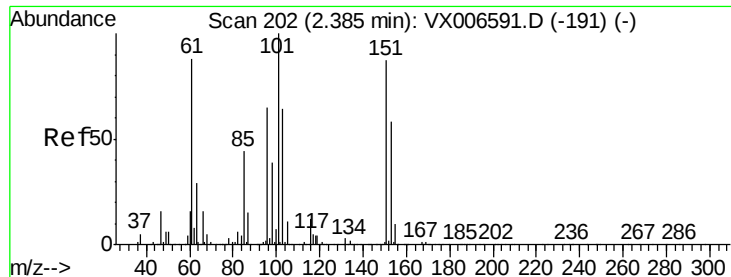


#8

Diethyl Ether
Concen: 19.785 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69644		
45	94.0	46.3	138.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.958 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

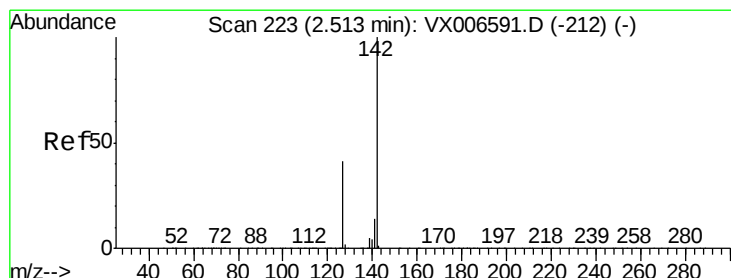
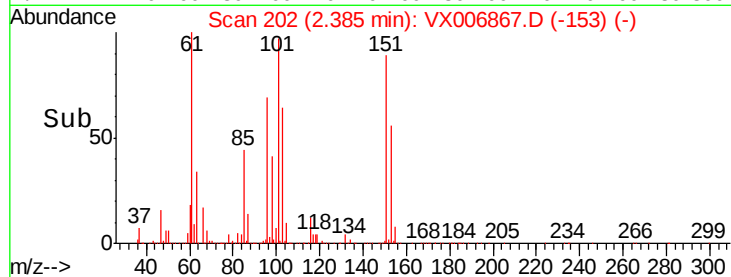
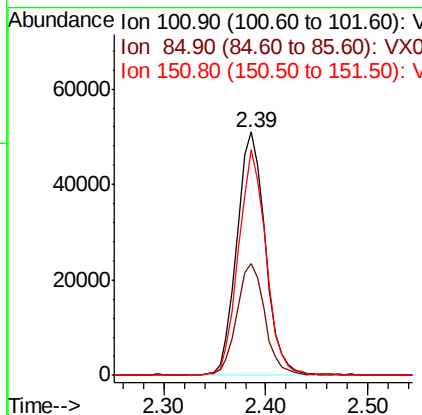
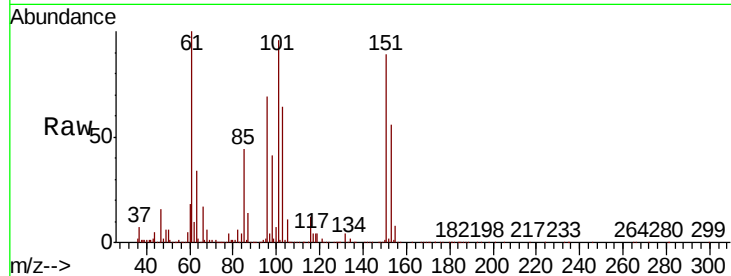
ClientSampleId :

VX1228MBSD01

Tot Ion:	101	Resp:	98646
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.1	52.7
151	89.5	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.093 ug/l

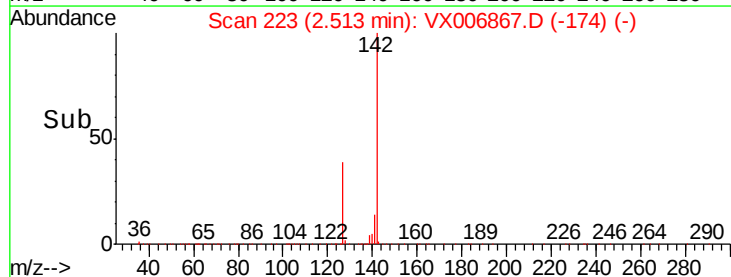
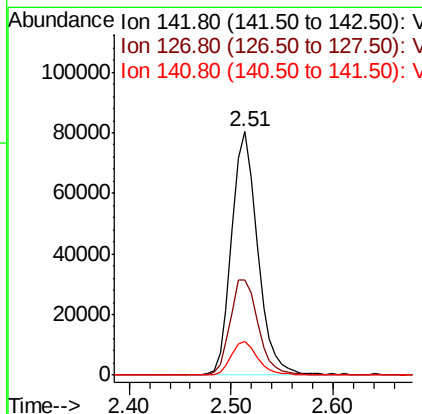
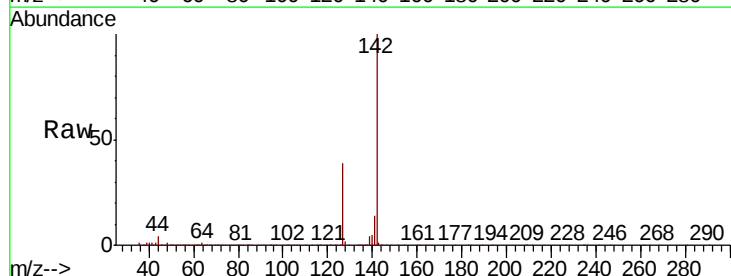
RT: 2.51 min Scan# 223

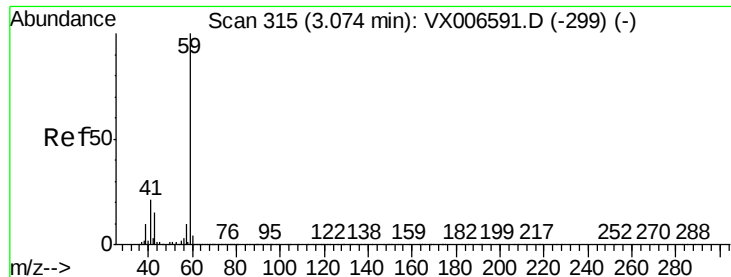
Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Tgt Ion:	142	Resp:	142217
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.9	50.9
141	14.0	11.4	17.0





#11

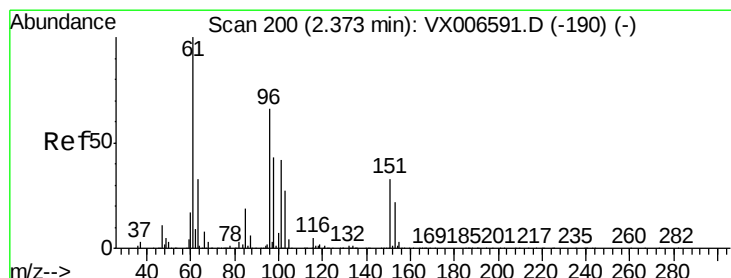
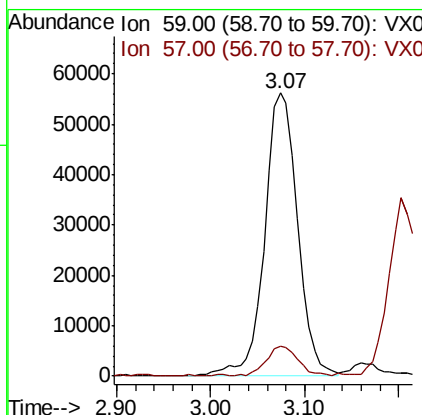
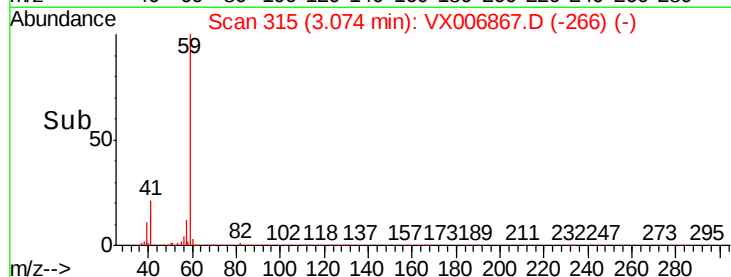
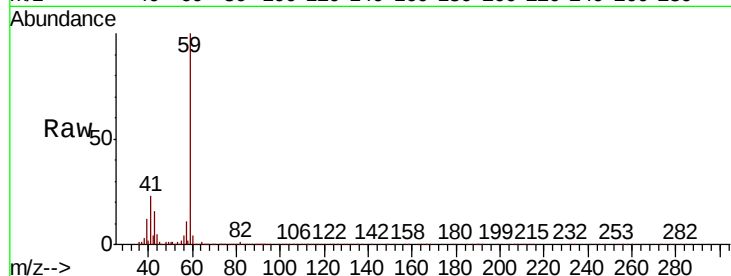
Tert butyl alcohol
Concen: 103.215 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

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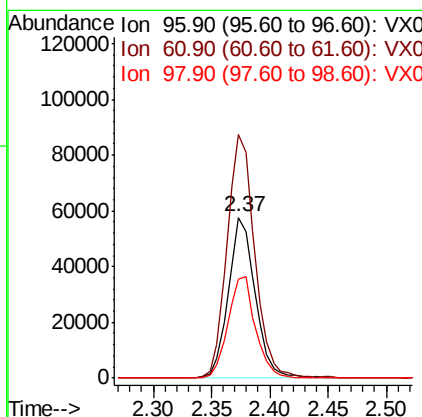
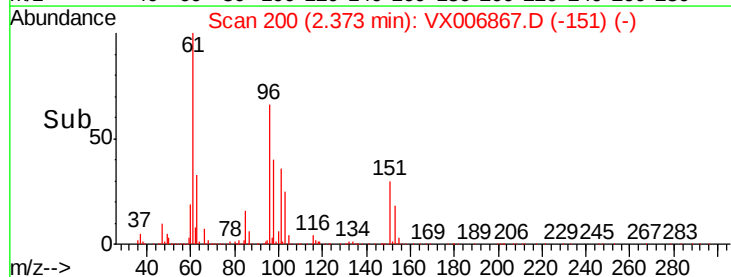
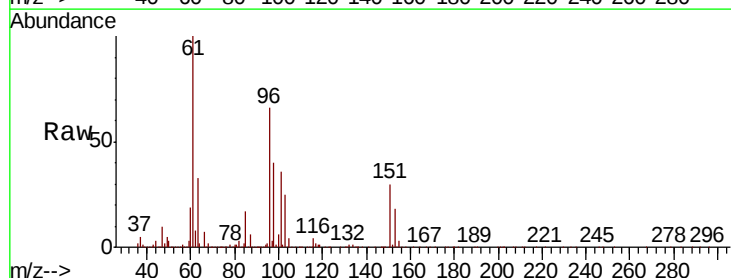
MMDadoda
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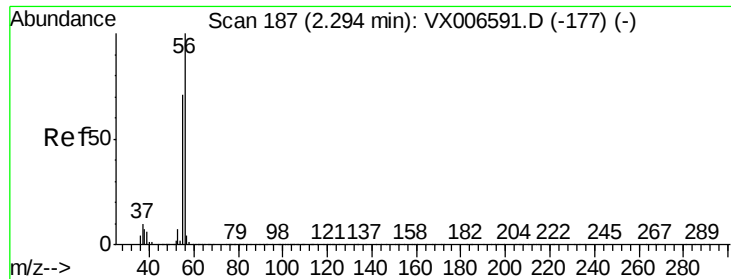


#12

1,1-Dichloroethene
Concen: 18.808 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.0	121.4	182.2
98	61.2	51.9	77.9





#13

Acrolein

Concen: 90.701 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 56 Resp: 81271

Ion Ratio Lower Upper

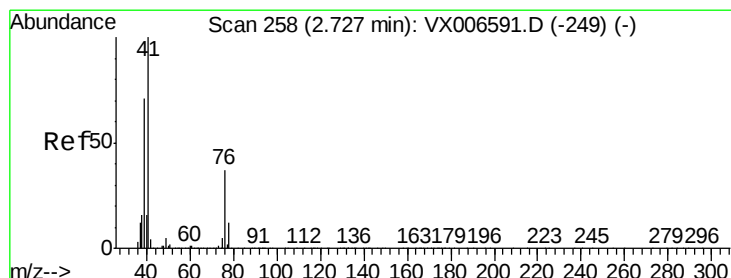
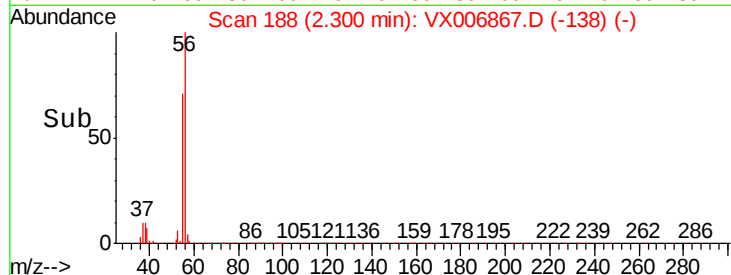
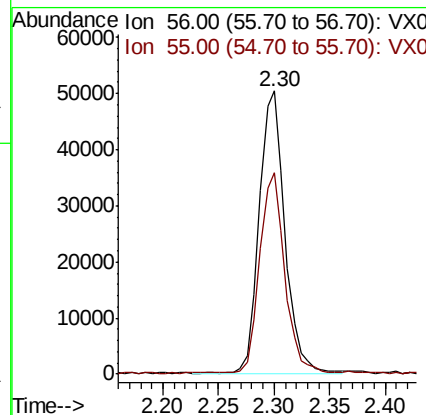
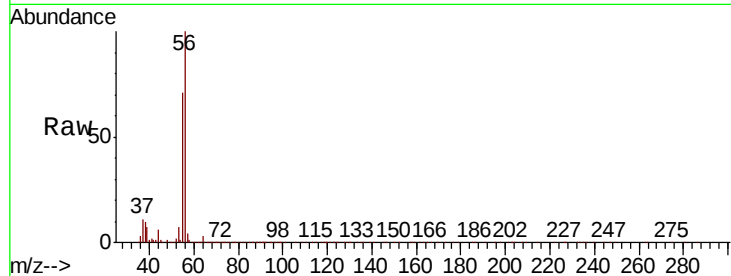
56 100

55 68.3 58.2 87.4

Manual Integrations
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#14

Allyl chloride

Concen: 19.405 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

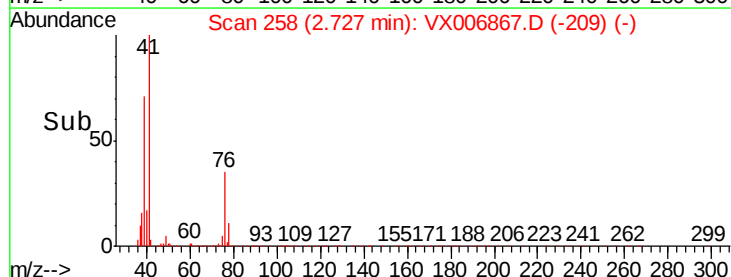
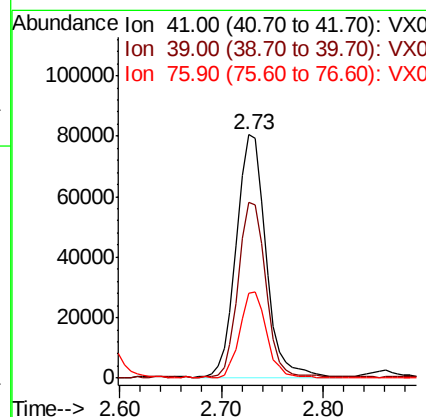
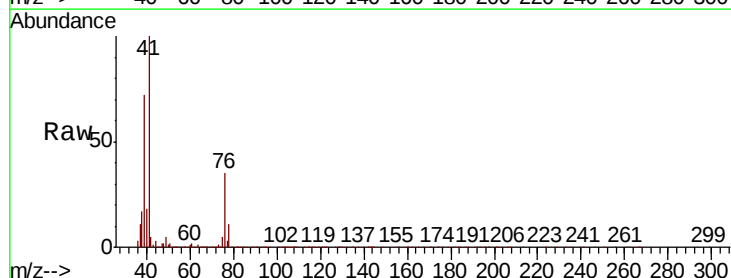
Tgt Ion: 41 Resp: 161154

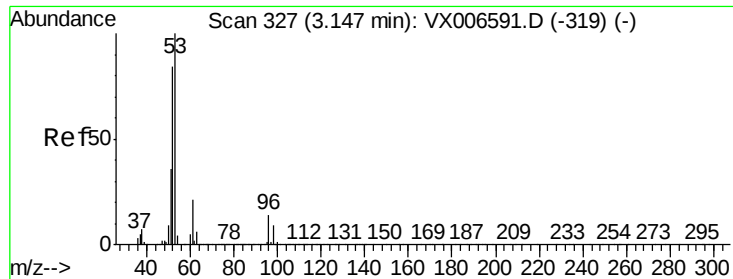
Ion Ratio Lower Upper

41 100

39 67.1 53.6 80.4

76 31.9 27.4 41.2





#15

Acrylonitrile

Concen: 108.011 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

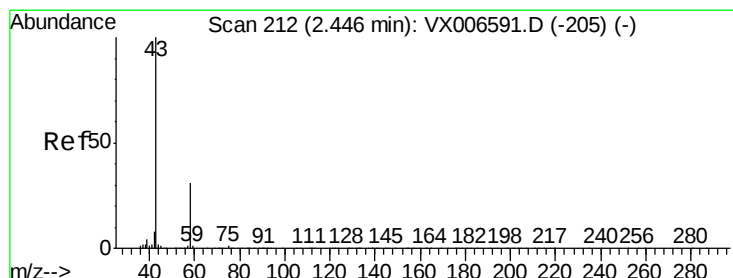
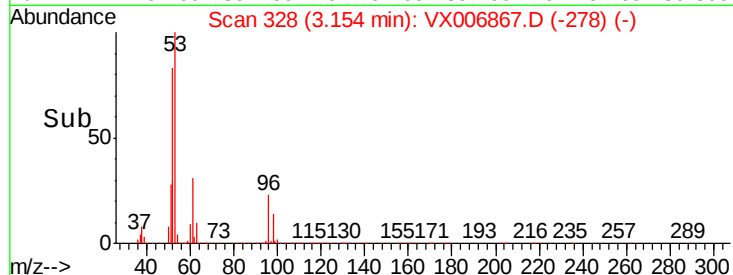
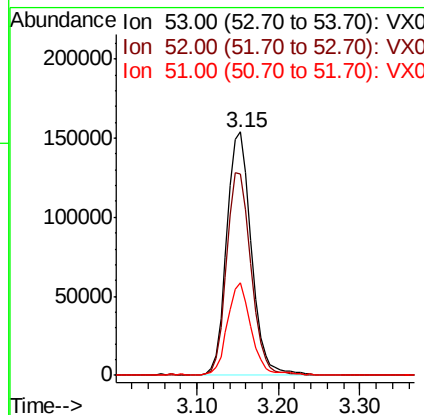
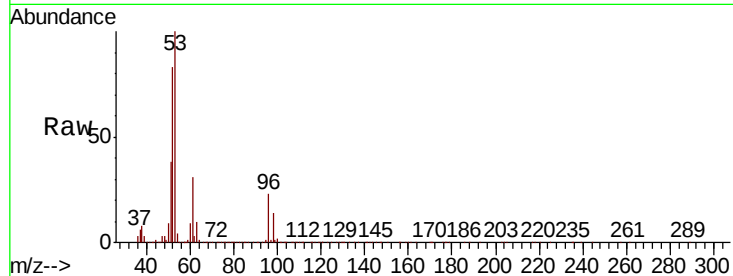
ClientSampleId :

VX1228MBSD01

Tot Ion:	53	Resp:	318532
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.0	99.0
51	36.8	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 98.253 ug/l

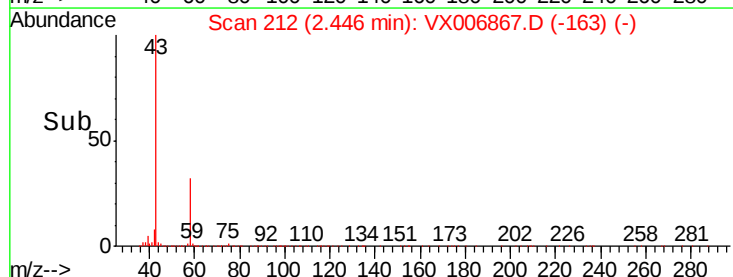
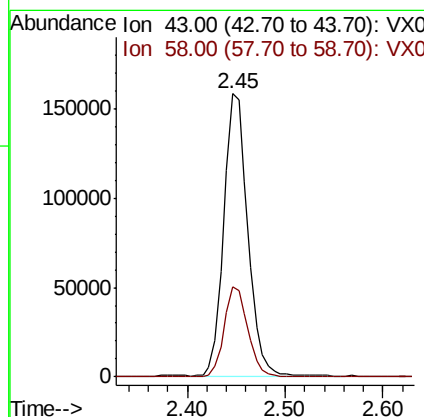
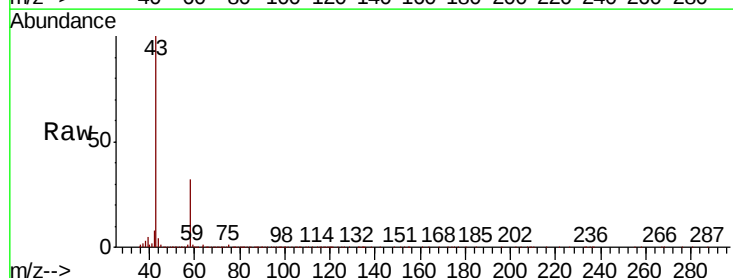
RT: 2.45 min Scan# 212

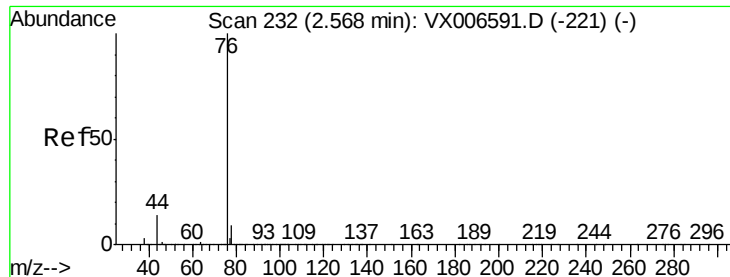
Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Tgt Ion:	43	Resp:	268657
Ion Ratio		Lower	Upper
43	100		
58	31.9	25.0	37.6





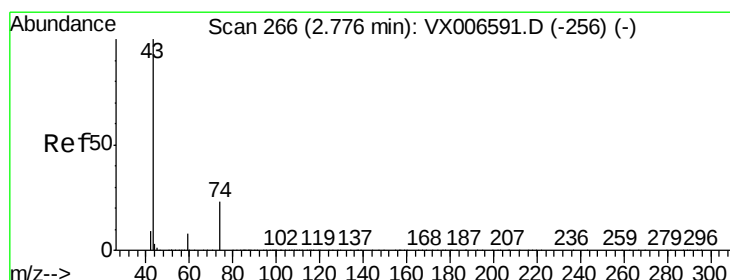
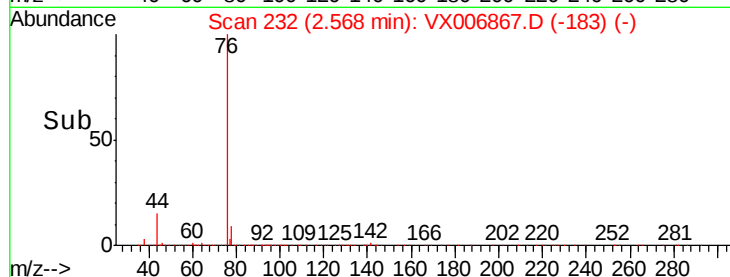
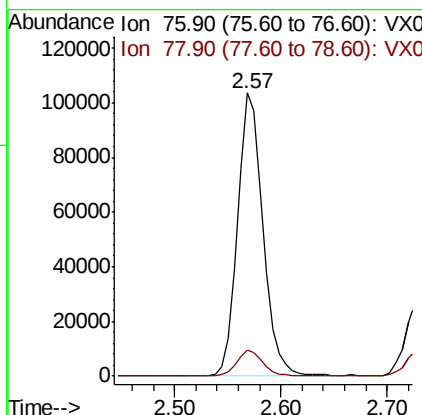
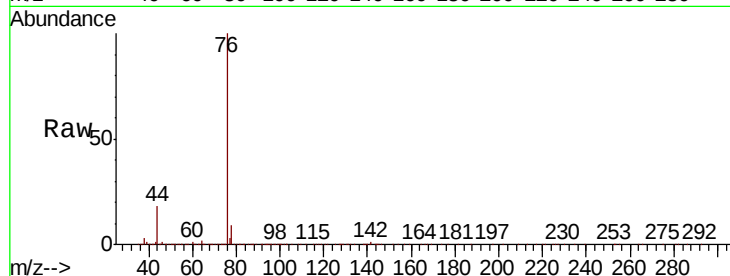
#17
Carbon Disulfide
Concen: 13.278 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

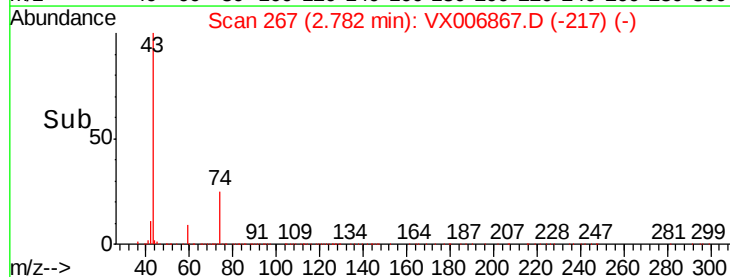
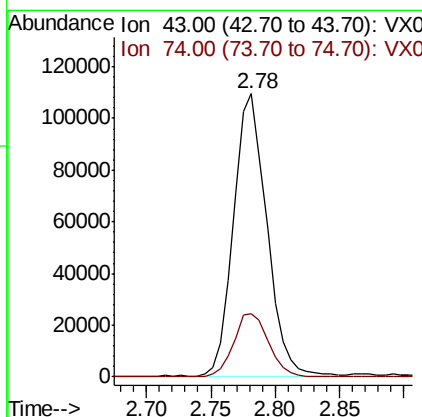
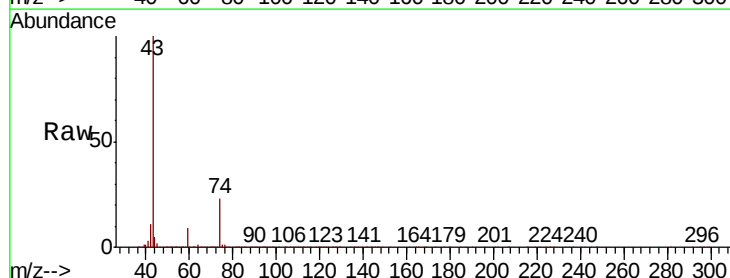
Manual Integrations
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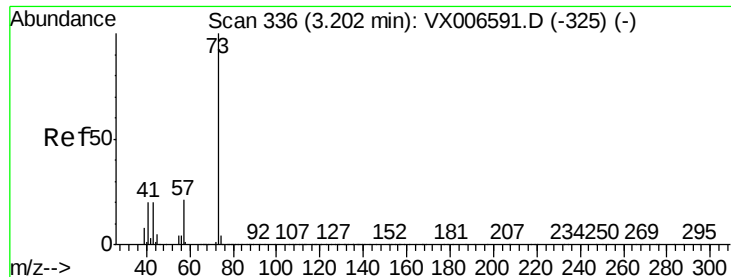
MMDadoda
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#18
Methyl Acetate
Concen: 24.237 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	28.0





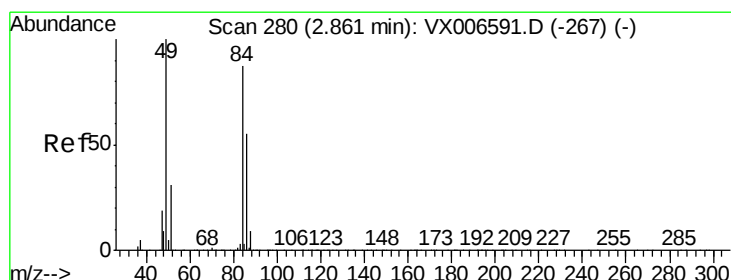
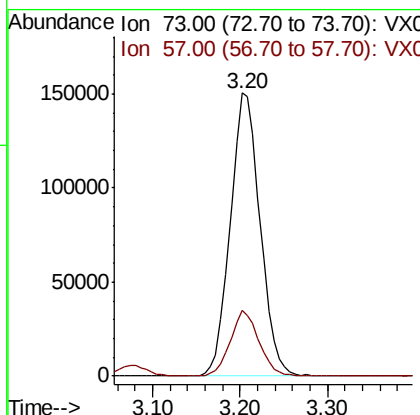
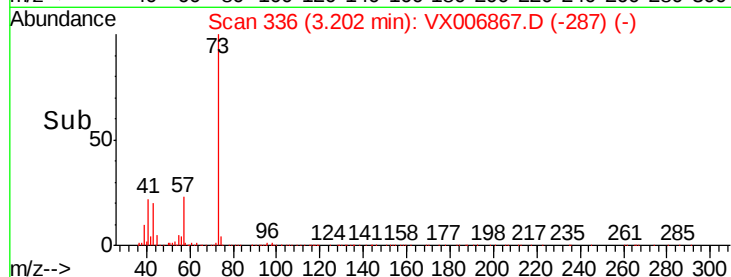
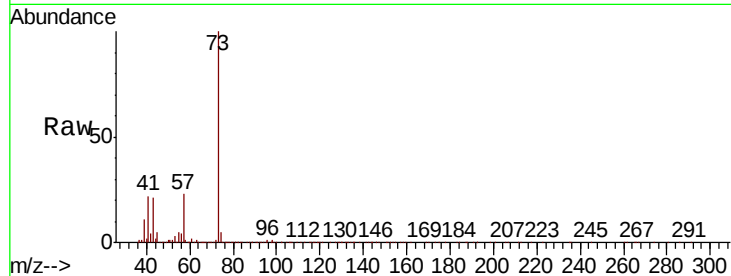
#19
Methvl tert-butvl Ether
Concen: 21.756 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion: 73 Resp: 356273
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2

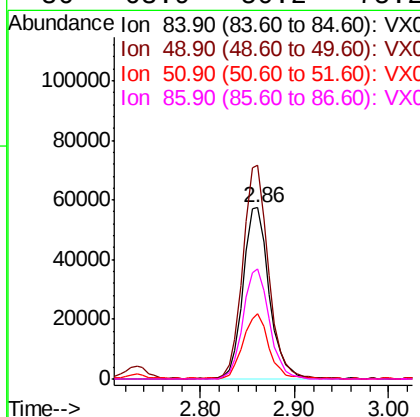
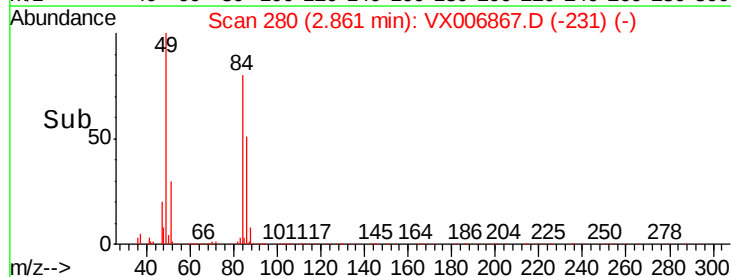
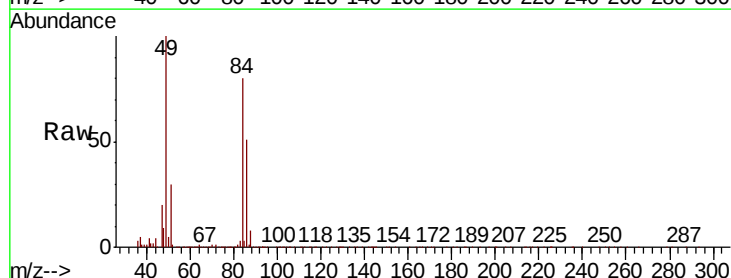
Manual Integrations
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MMDadoda
1/2/2019 10:47:06 AM



#20
Methylene Chloride
Concen: 19.787 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion: 84 Resp: 111879
Ion Ratio Lower Upper
84 100
49 124.4 91.8 137.6
51 37.6 28.5 42.7
86 63.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.628 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

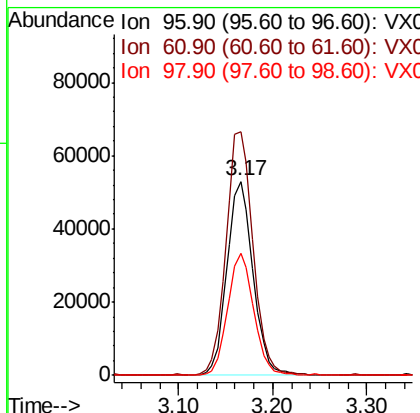
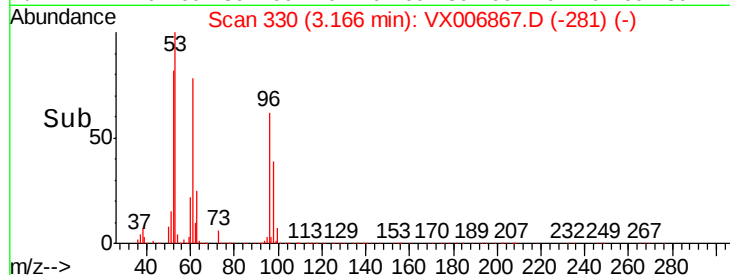
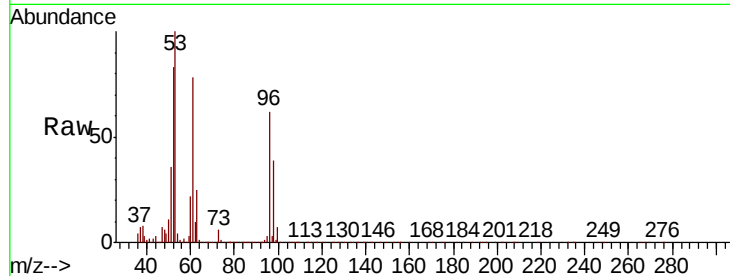
ClientSampleId :

VX1228MBS01

Tot Ion:	96	Resp:	101835
Ion	Ratio	Lower	Upper
96	100		
61	125.5	103.7	155.5
98	63.0	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.645 ug/l

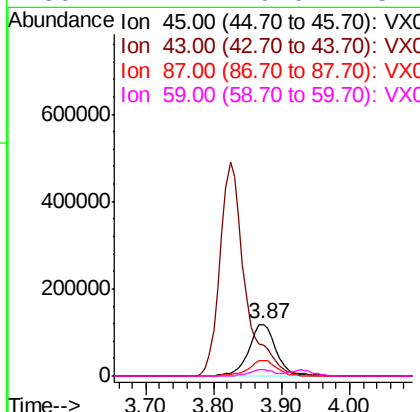
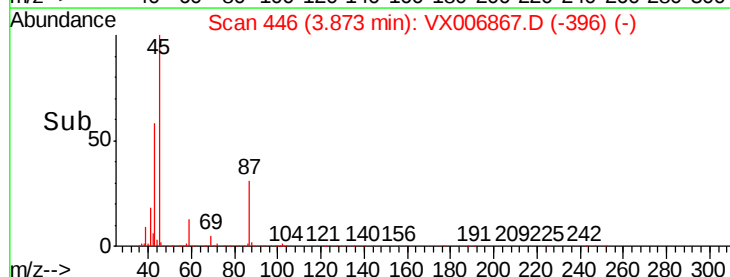
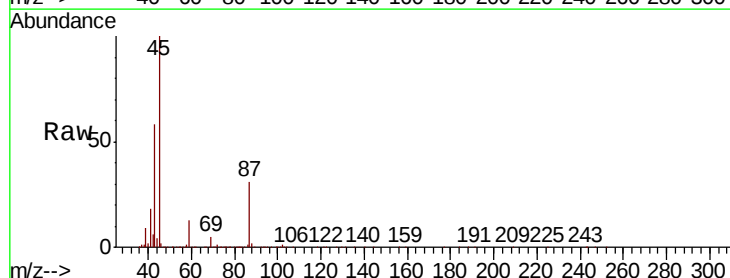
RT: 3.87 min Scan# 446

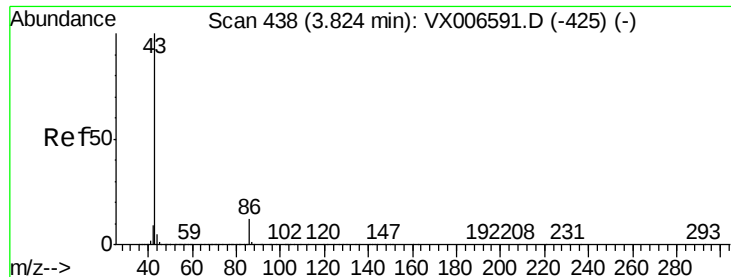
Delta R.T. 0.01 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Tgt Ion:	45	Resp:	328857
Ion	Ratio	Lower	Upper
45	100		
43	58.2	51.2	76.8
87	30.8	25.8	38.6
59	12.7	9.0	13.4





#23

Vinyl Acetate

Concen: 101.722 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampled :

VX1228MBS01

Tot Ion: 43 Resp: 1264170

Ion Ratio Lower Upper

43 100

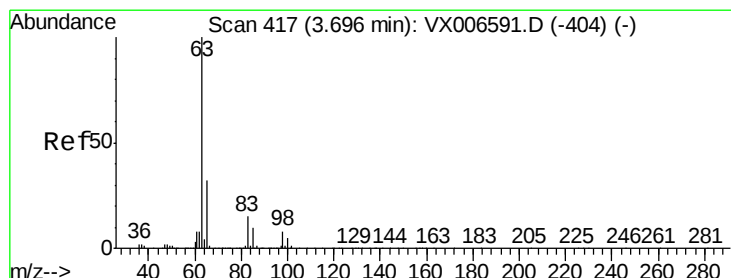
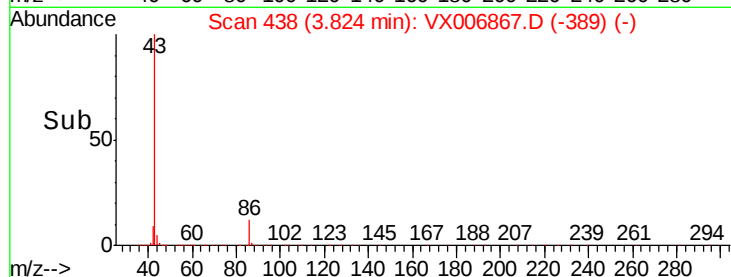
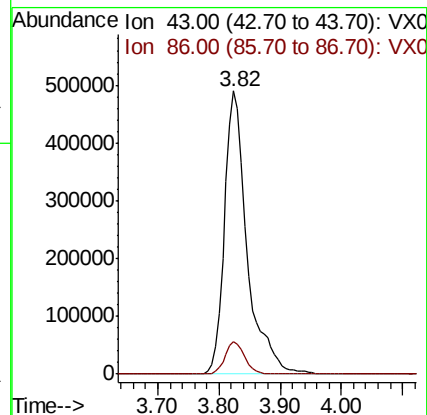
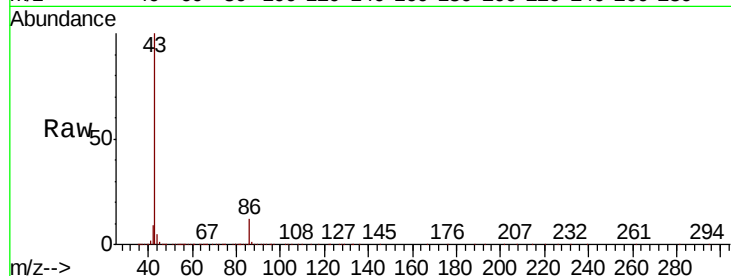
86 11.5 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.694 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

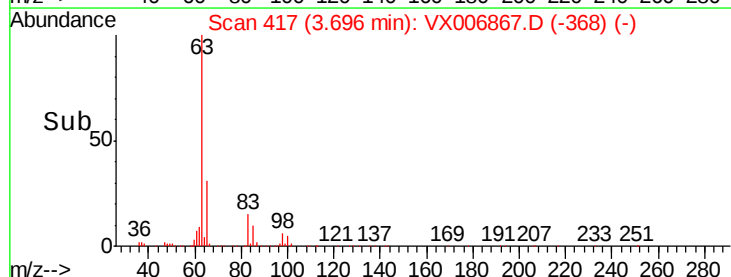
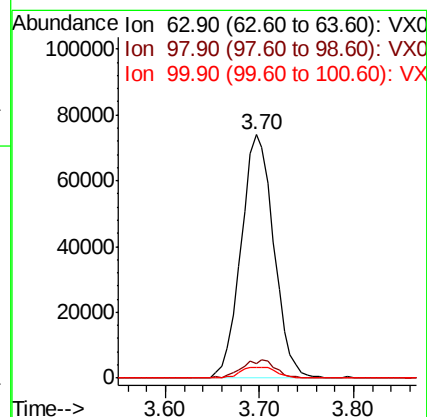
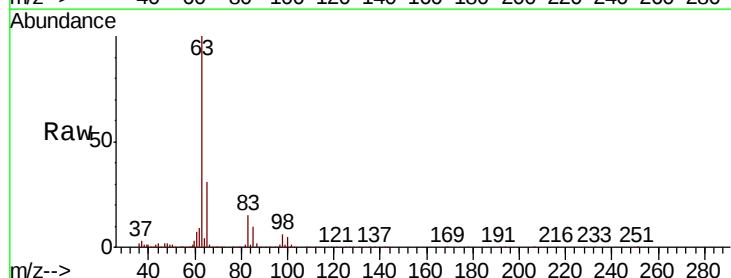
Tgt Ion: 63 Resp: 178619

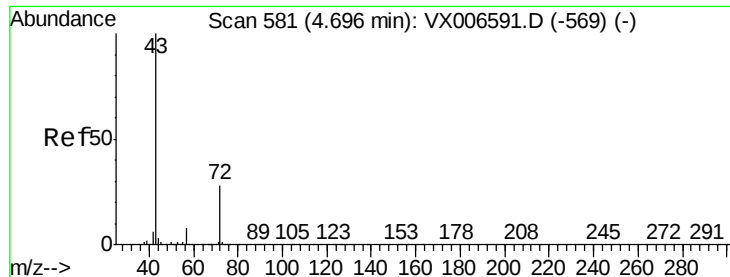
Ion Ratio Lower Upper

63 100

98 5.9 3.9 11.5

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 102.144 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 43 Resp: 392863

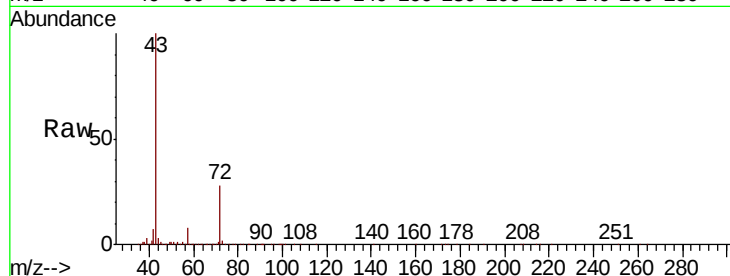
Ion Ratio Lower Upper

43 100

72 27.5 22.4 33.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

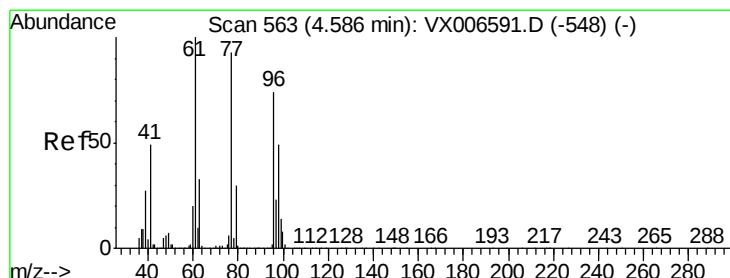
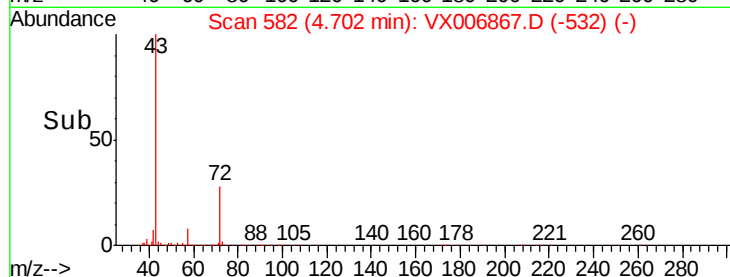
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.196 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006867.D

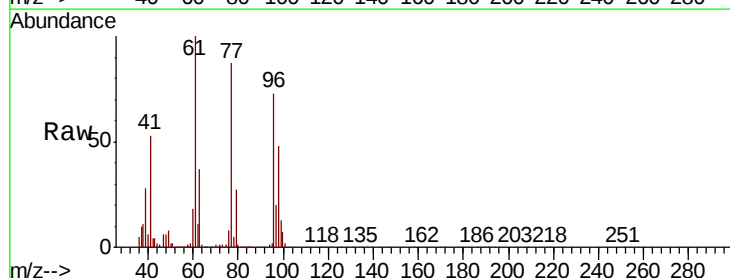
Acq: 28 Dec 2018 17:53

Tgt Ion: 77 Resp: 120474

Ion Ratio Lower Upper

77 100

97 25.1 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

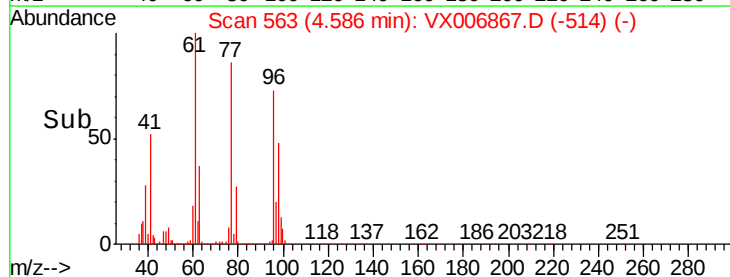
20000

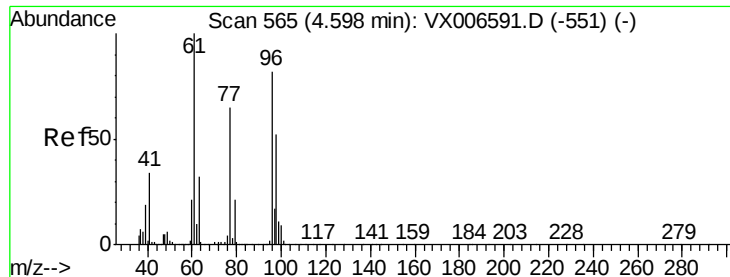
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

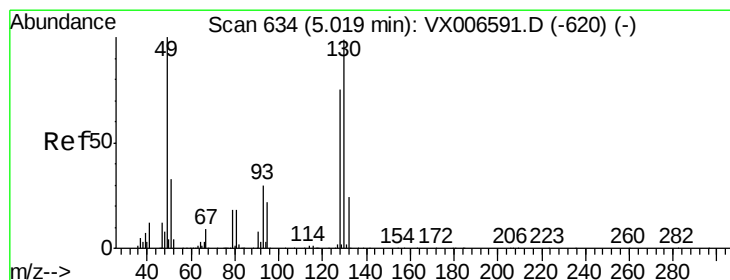
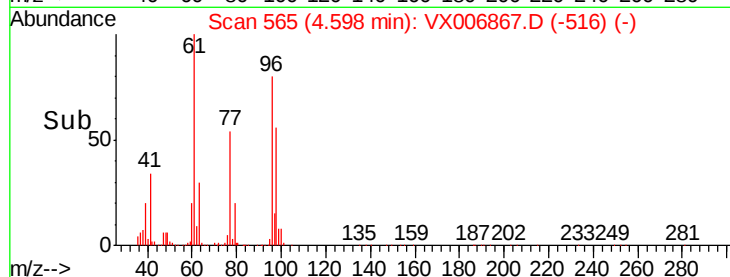
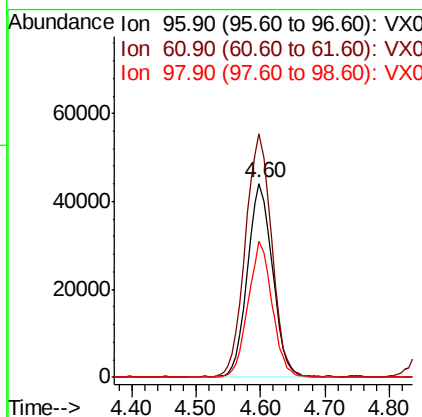
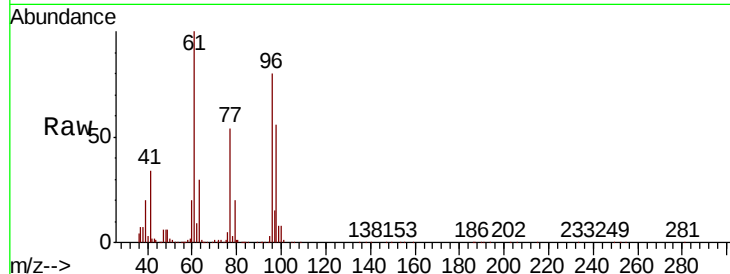
cis-1,2-Dichloroethene
Concen: 19.563 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117995		
61	130.4	0.0	258.6	
98	66.7	0.0	132.0	

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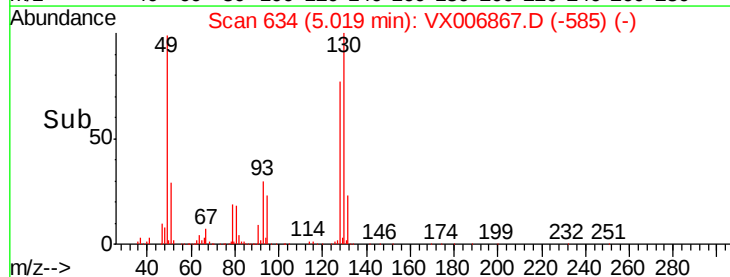
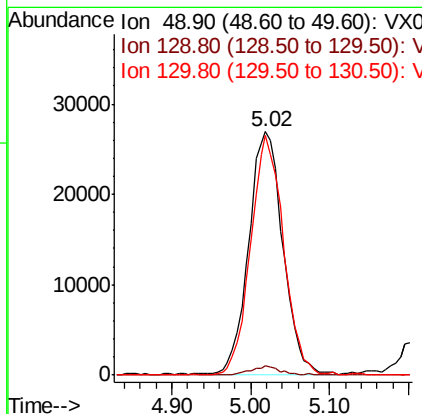
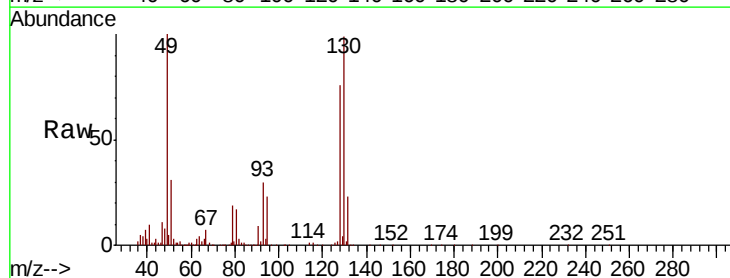
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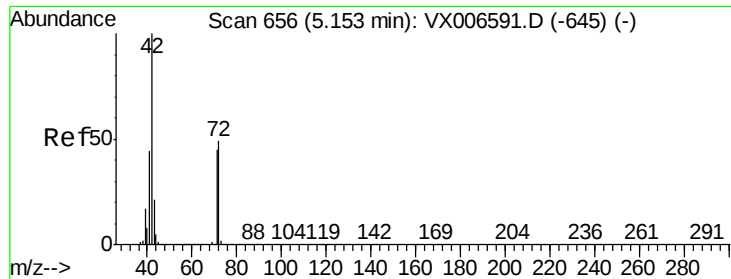


#28

Bromochloromethane
Concen: 20.258 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81667		
129	3.1	0.0	5.4	
130	94.1	77.7	116.5	





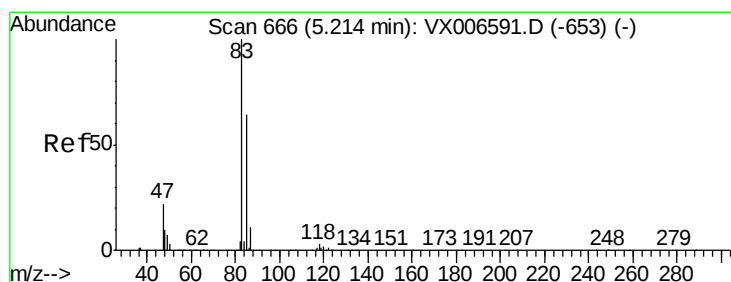
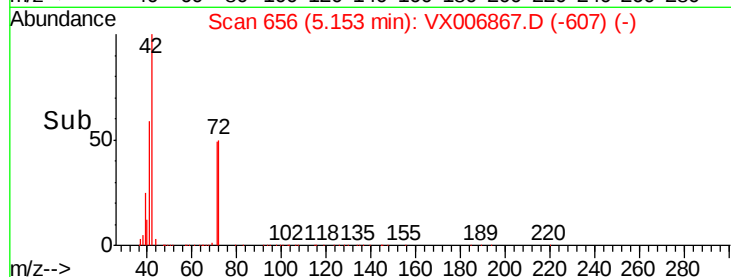
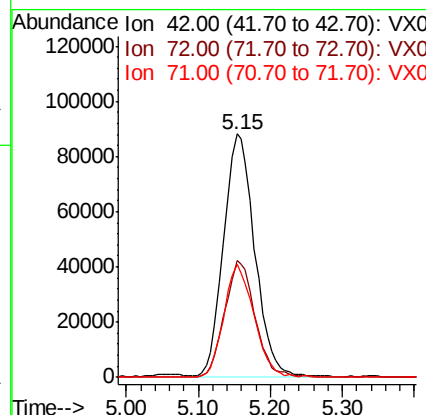
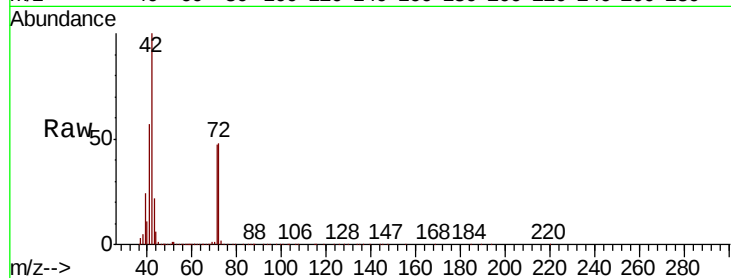
#29
Tetrahydrofuran
Concen: 104.503 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	38.9	58.3
71	45.3	36.2	54.4

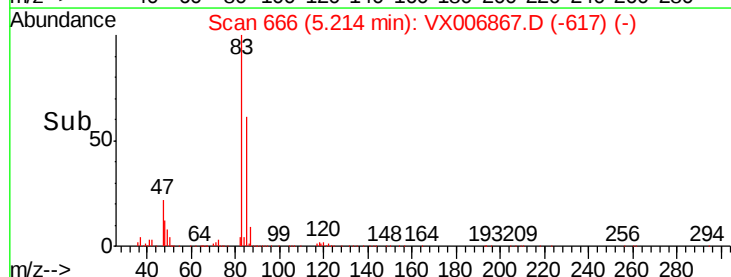
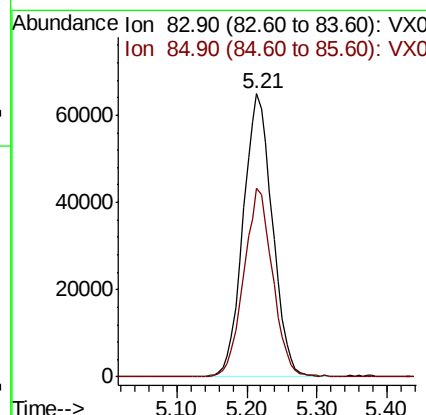
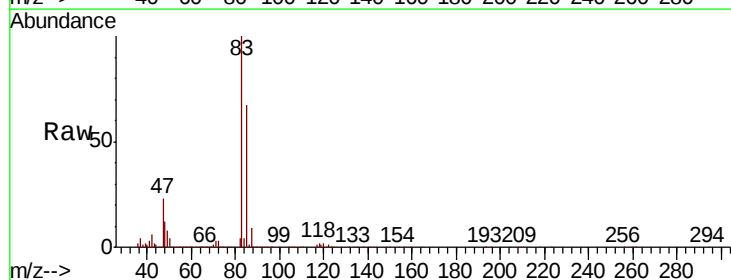
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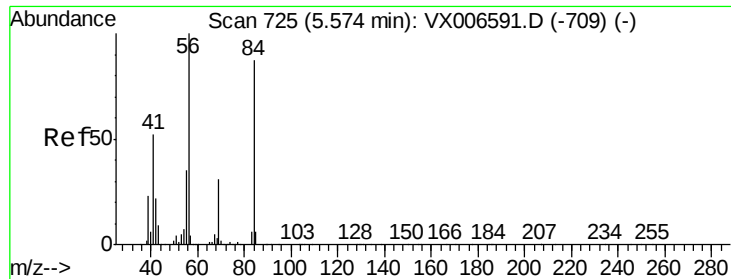
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#30
Chloroform
Concen: 20.045 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.2	76.8





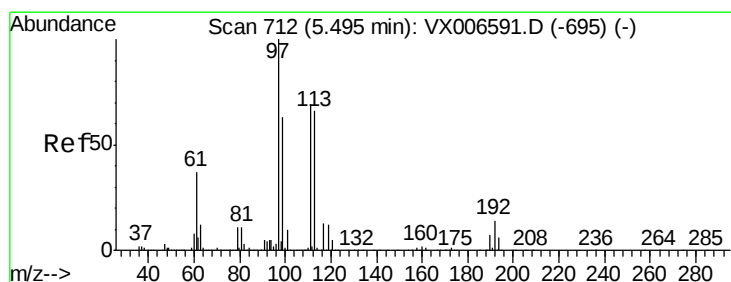
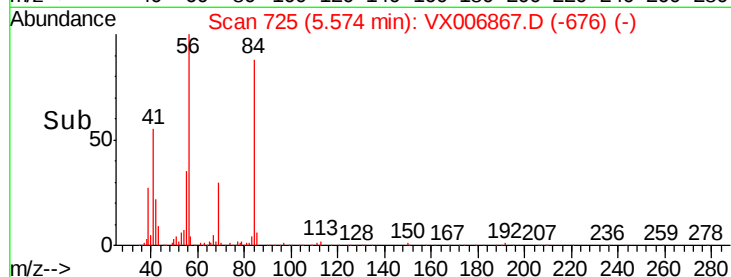
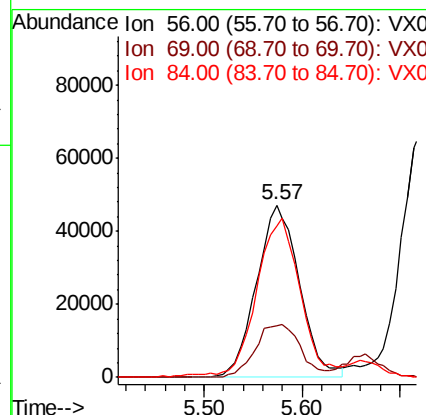
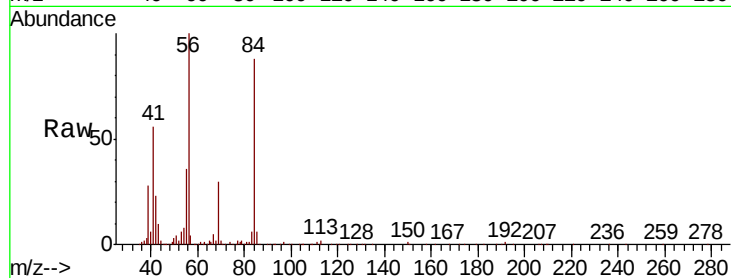
#31
Cyclohexane
Concen: 17.396 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.4	36.6
84	86.4	70.0	105.0

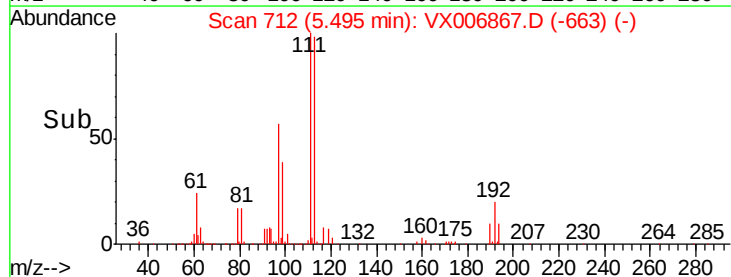
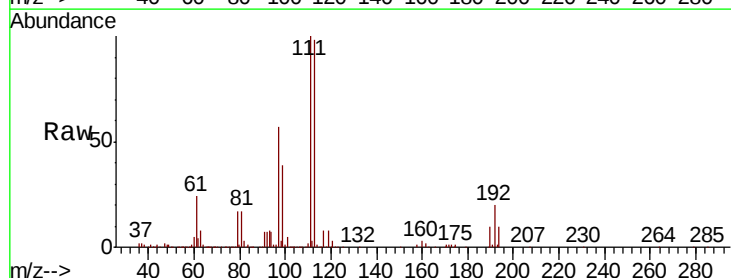
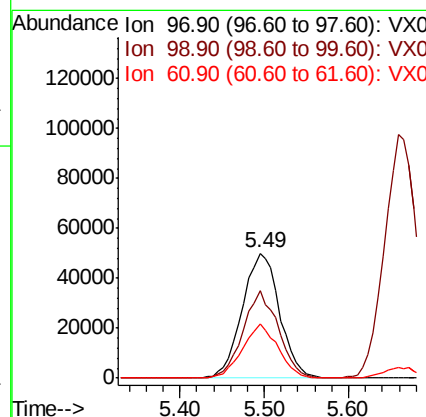
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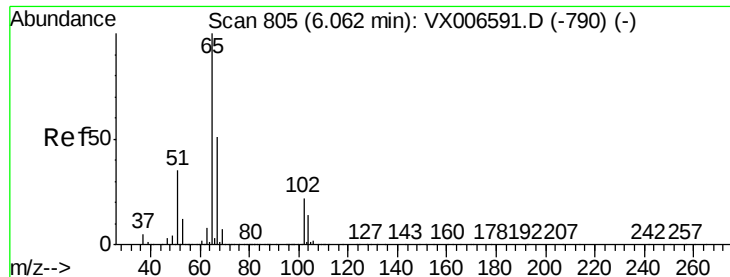
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#32
1,1,1-Trichloroethane
Concen: 18.969 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.7	77.5
61	41.5	31.3	46.9





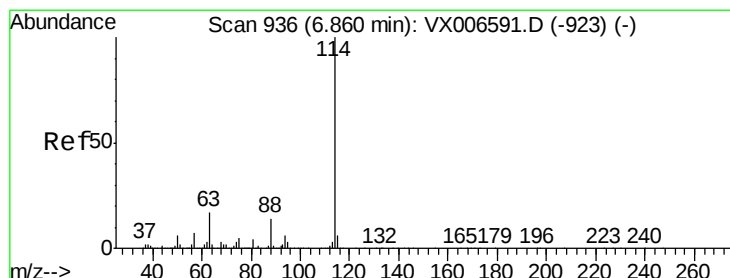
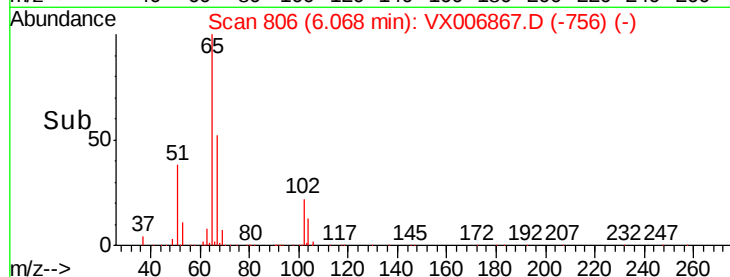
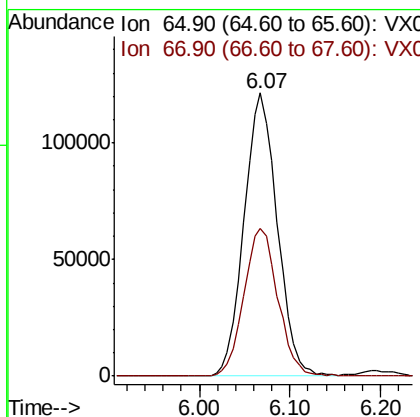
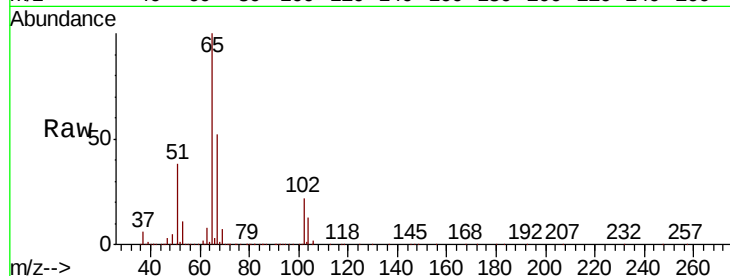
#33
 1,2-Dichloroethane-d4
 Concen: 51.605 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.0

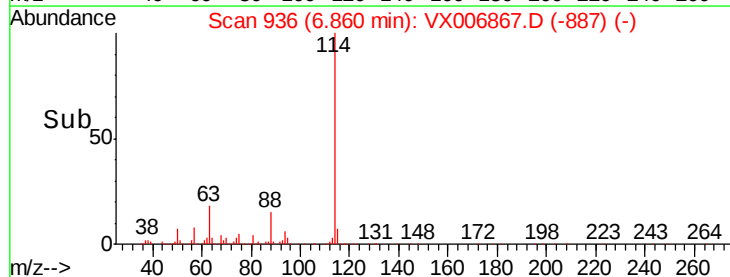
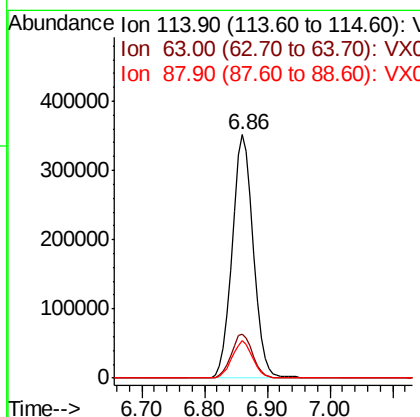
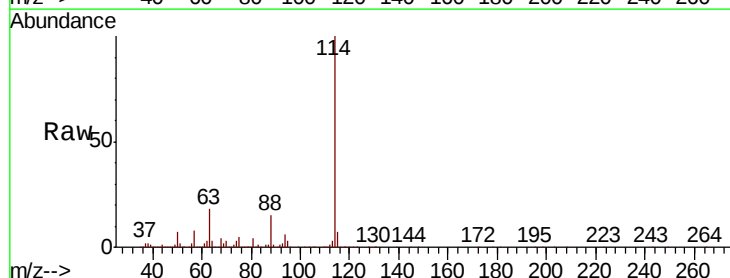
Manual Integrations
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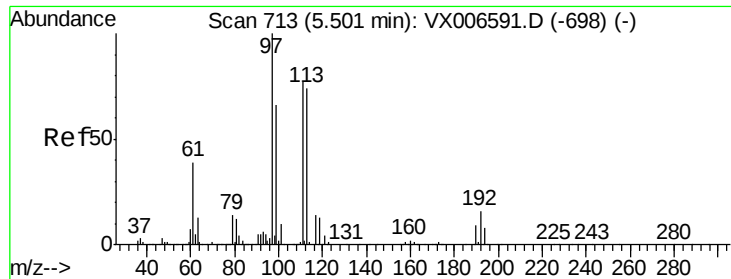
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	34.8
88	15.5	0.0	28.8





#35

Dibromofluoromethane

Concen: 52.483 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

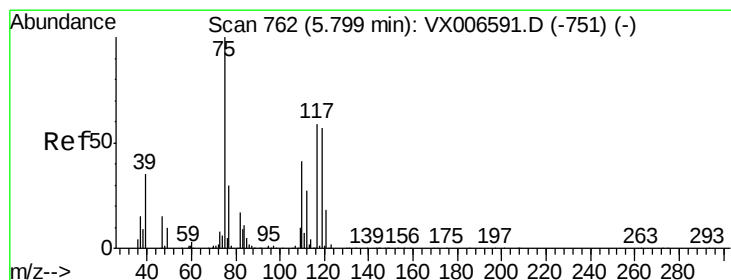
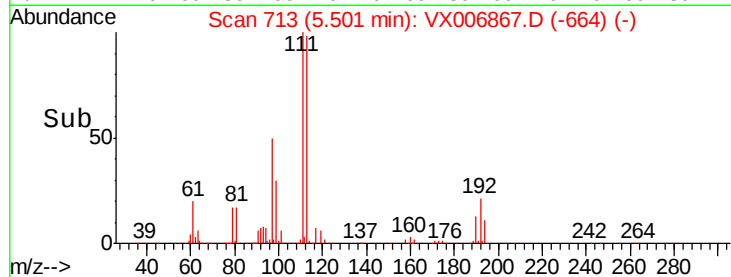
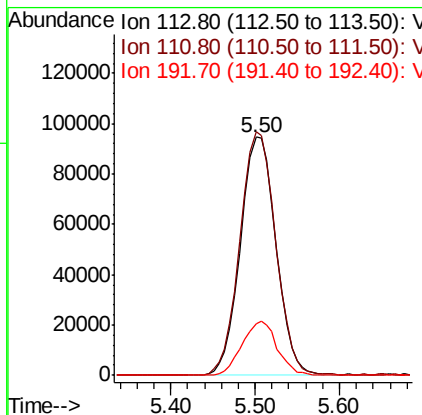
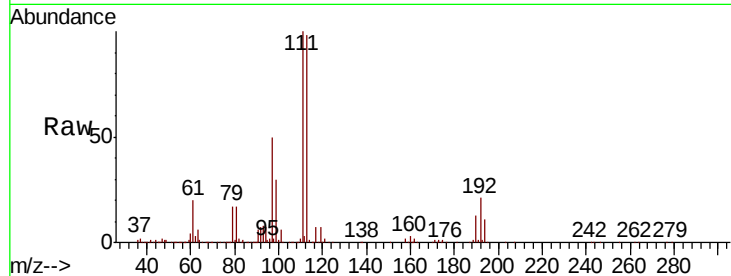
ClientSampleId :

VX1228MBSD01

Tot Ion:	113	Resp:	271741
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.6	122.4
192	22.3	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.143 ug/l

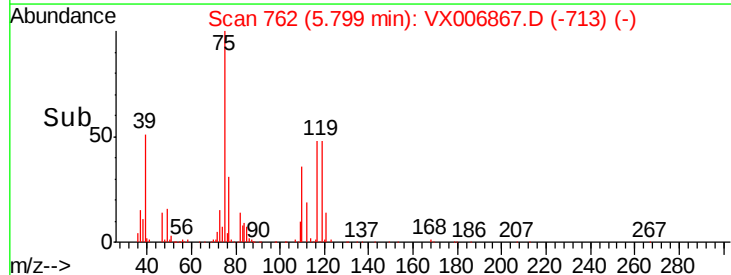
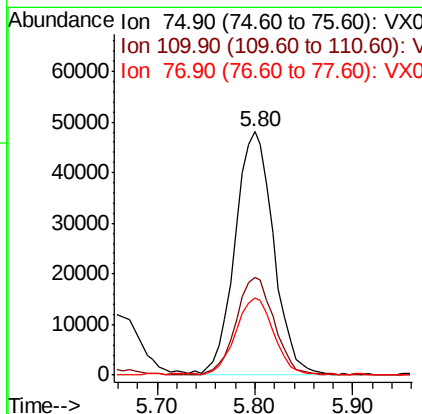
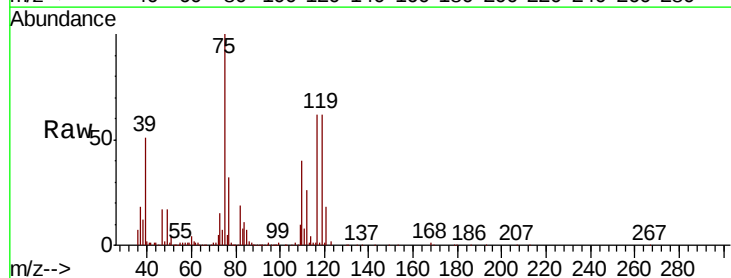
RT: 5.80 min Scan# 762

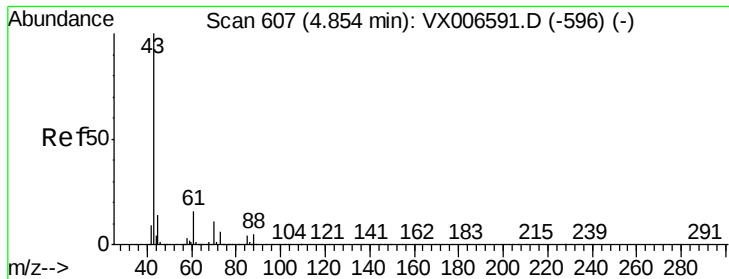
Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Tgt Ion:	75	Resp:	129814
Ion Ratio	Lower	Upper	
75	100		
110	40.5	20.2	60.5
77	31.5	24.8	37.2





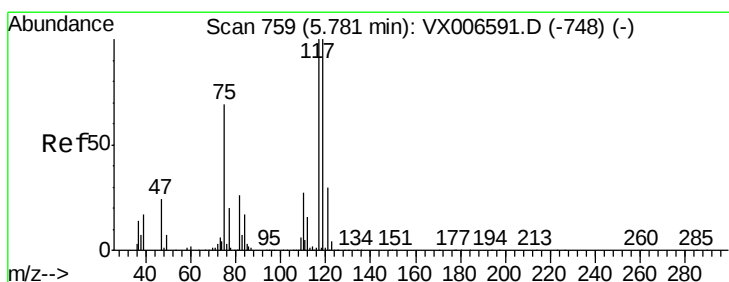
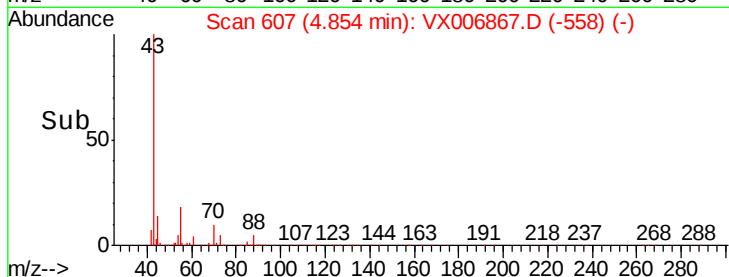
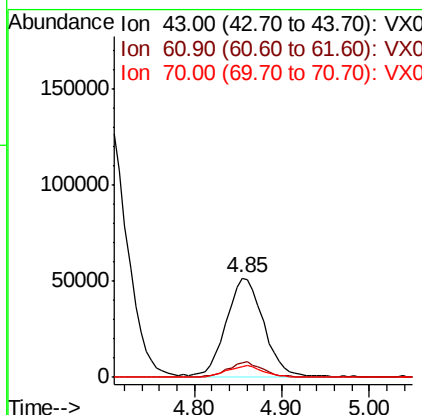
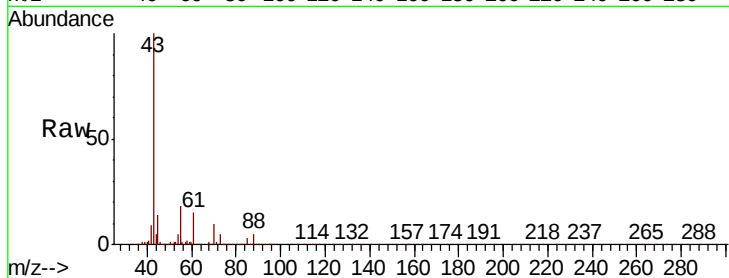
#37
Ethyl Acetate
Concen: 21.390 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	43	Resp	150968
Ion Ratio	Lower	Upper	
43	100		
61	15.2	11.9	17.9
70	11.9	9.7	14.5

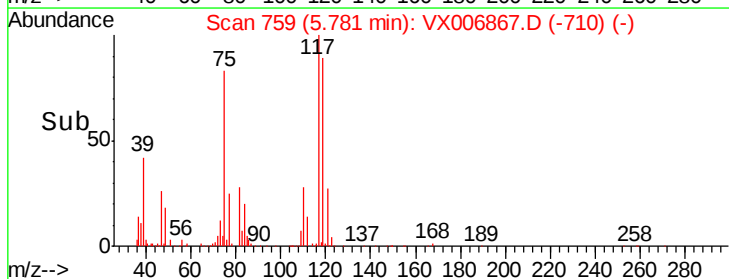
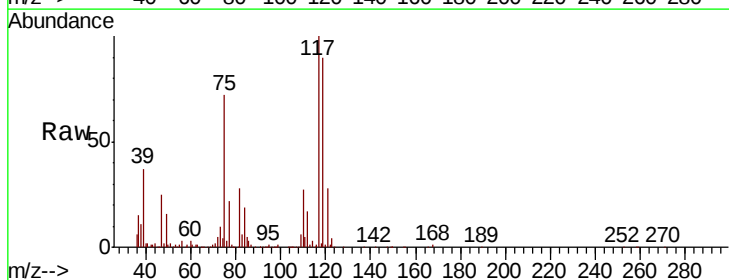
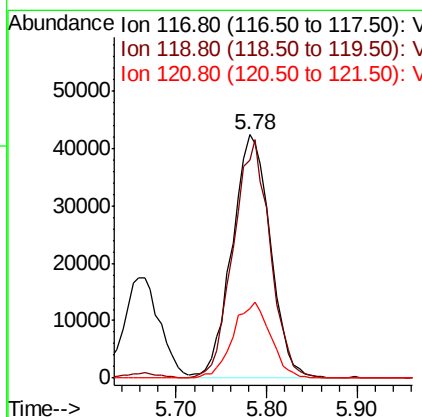
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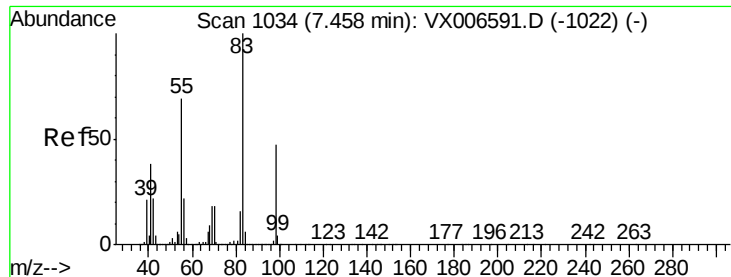
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#38
Carbon Tetrachloride
Concen: 18.901 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	117	Resp	124560
Ion Ratio	Lower	Upper	
117	100		
119	89.3	79.4	119.2
121	28.2	24.0	36.0





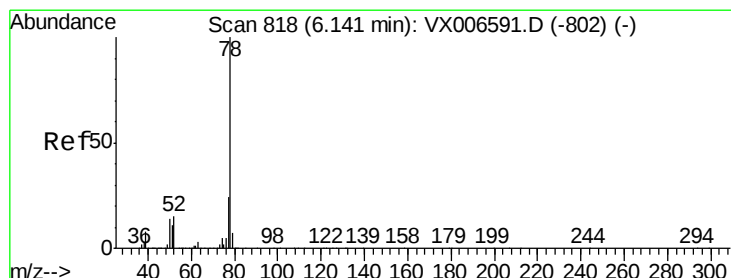
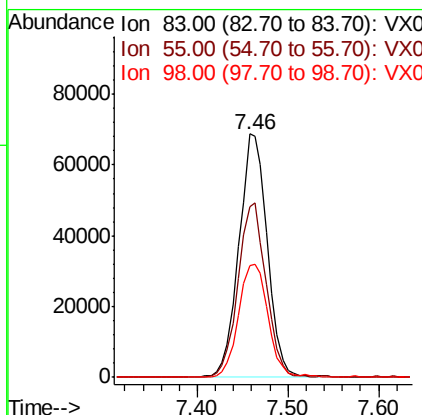
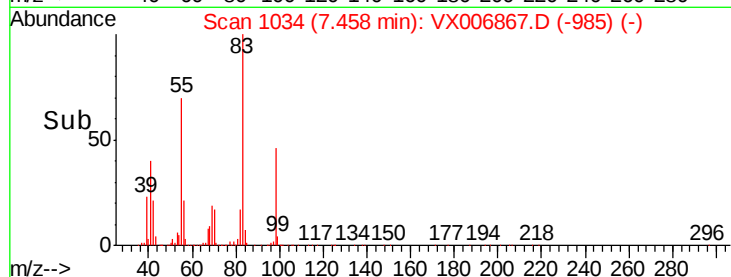
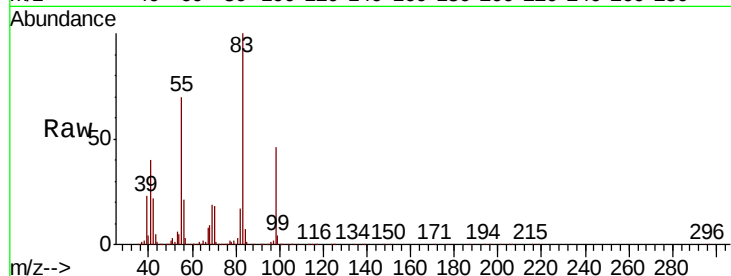
#39
Methvlcvclohexane
Concen: 16.644 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	54.9	82.3
98	46.0	37.9	56.9

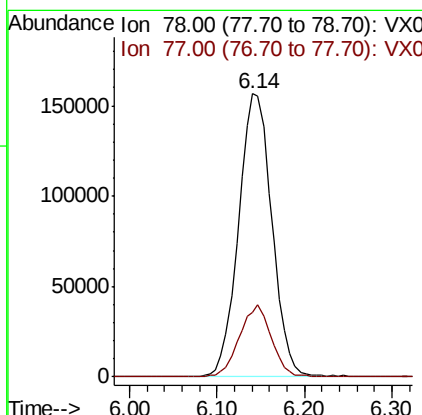
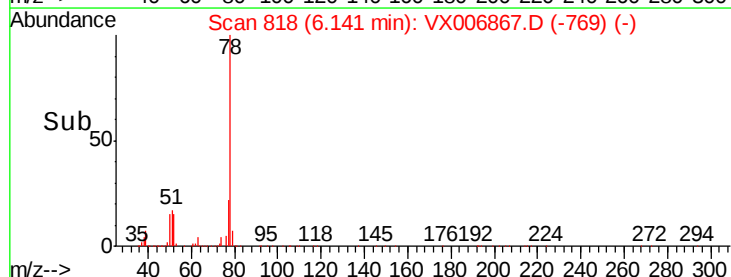
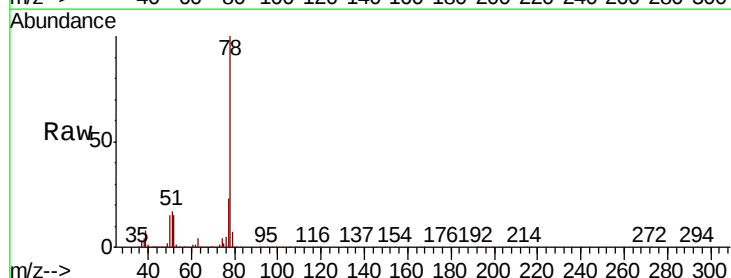
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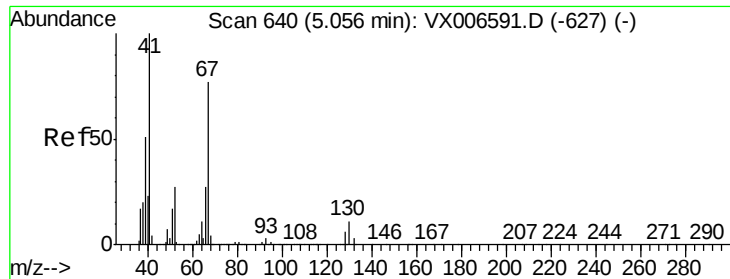
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#40
Benzene
Concen: 20.131 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8





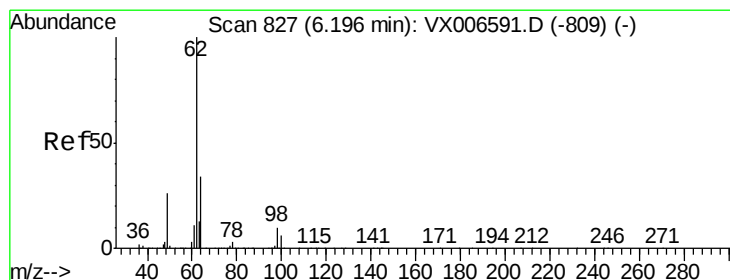
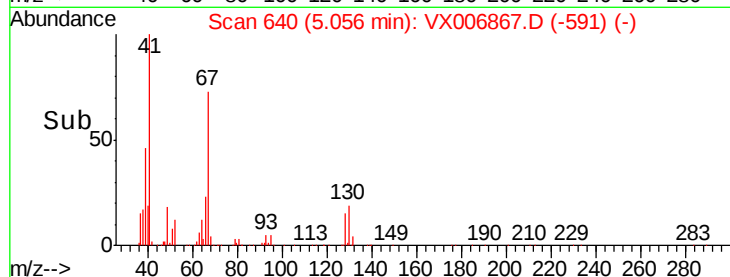
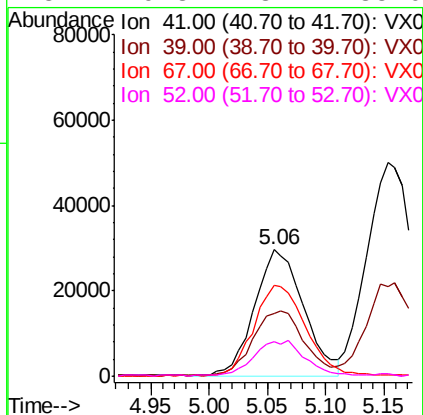
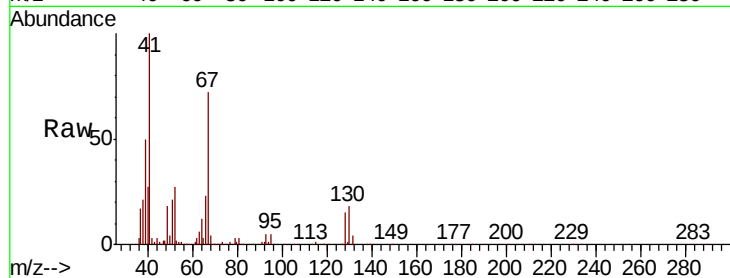
#41
Methacrylonitrile
Concen: 22.871 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.8	64.2
67	75.8	62.1	93.1
52	29.3	23.4	35.0

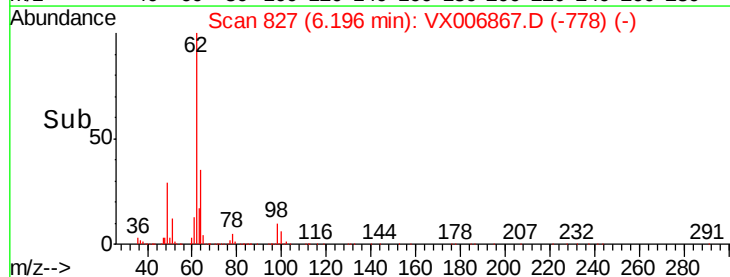
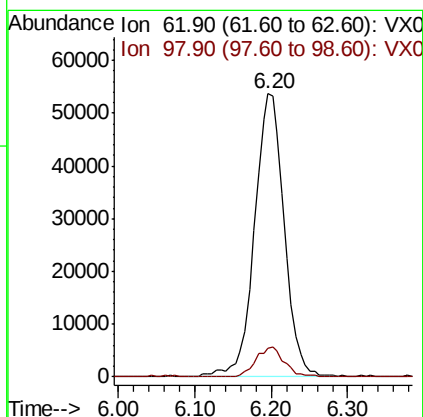
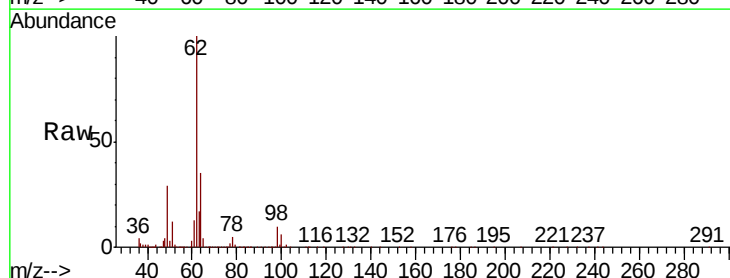
Manual Integrations
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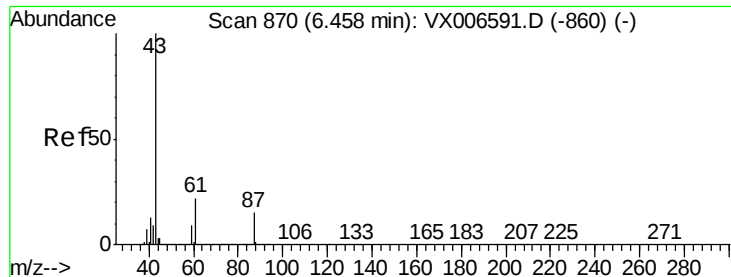
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#42
1,2-Dichloroethane
Concen: 20.484 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

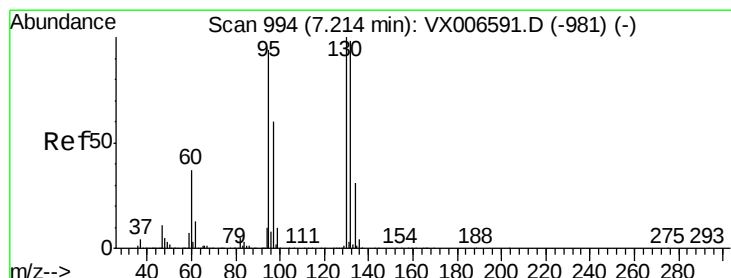
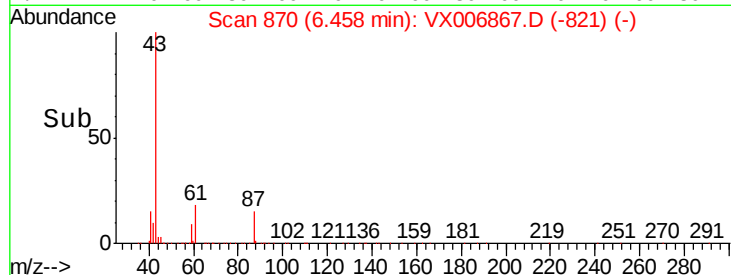
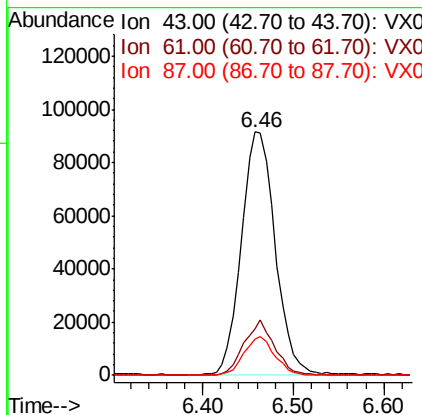
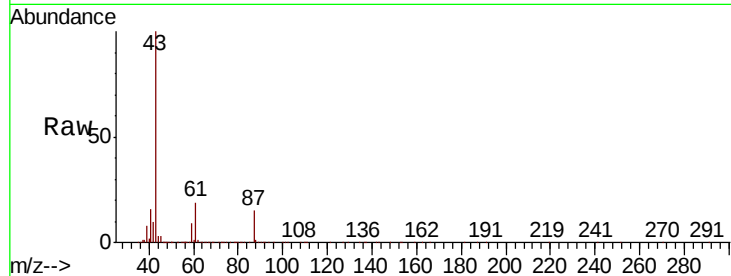
Isopropyl Acetate
 Concen: 22.009 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.8	25.2
87	14.5	12.4	18.6

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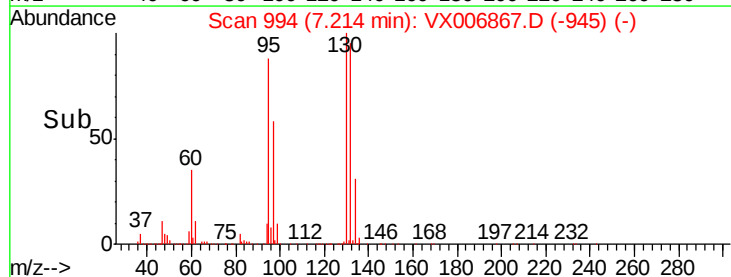
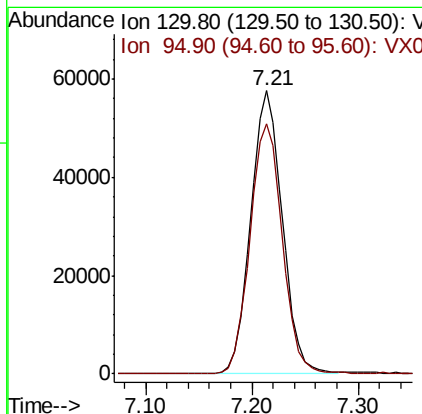
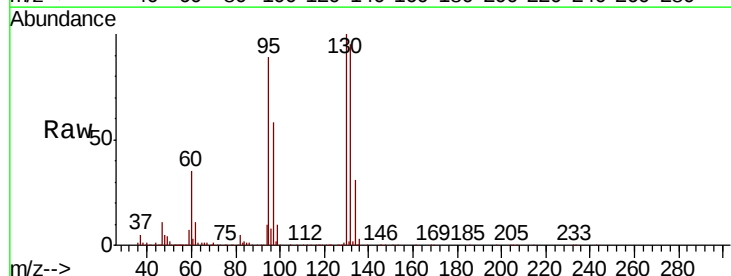
MMDadoda
 1/2/2019 10:47:06 AM



#44

Trichloroethene
 Concen: 19.233 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.974 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBSD01

Tot Ion: 63 Resp: 105205

Ion Ratio Lower Upper

63 100

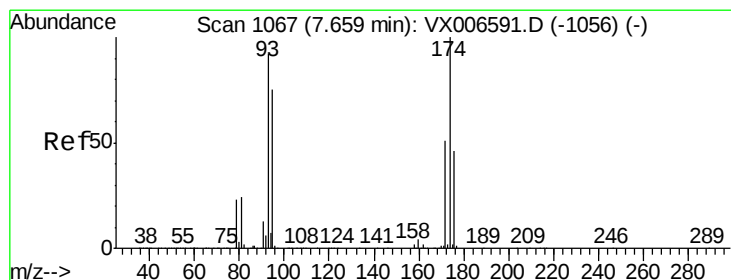
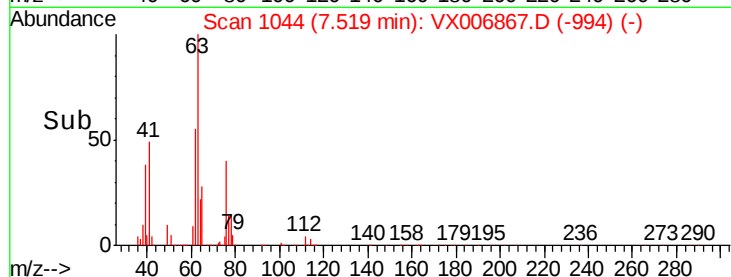
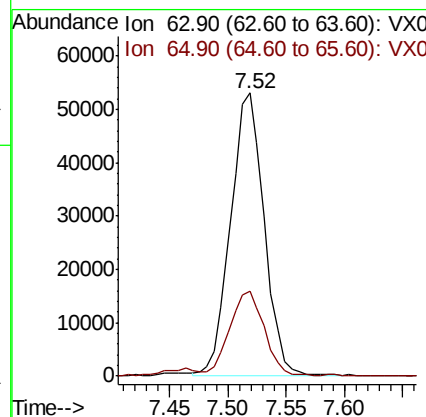
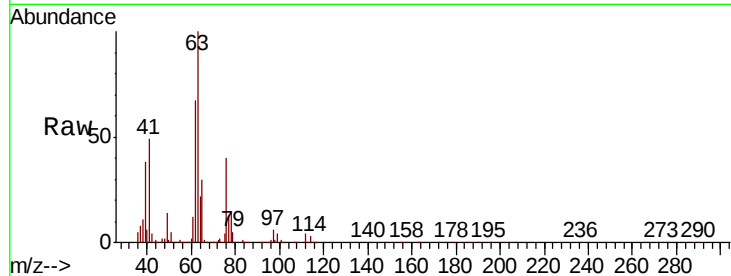
65 29.7 25.4 38.0

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#46

Dibromomethane

Concen: 19.514 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

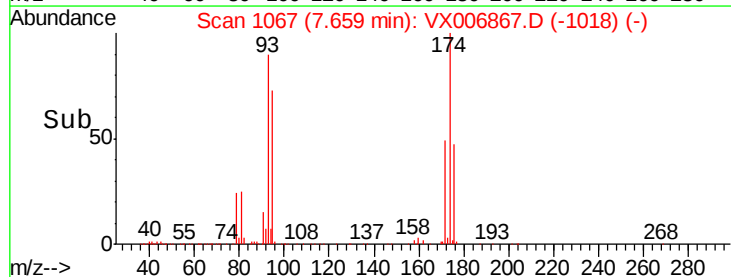
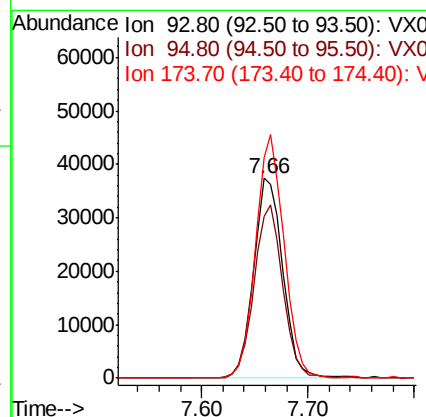
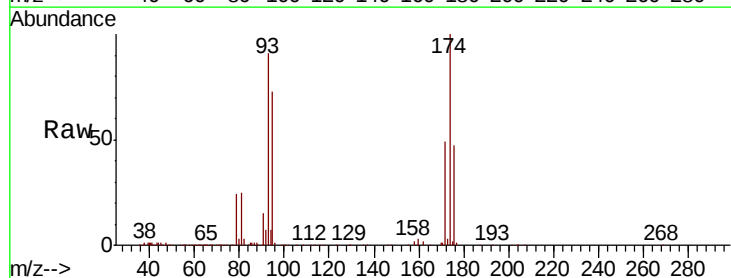
Tgt Ion: 93 Resp: 71999

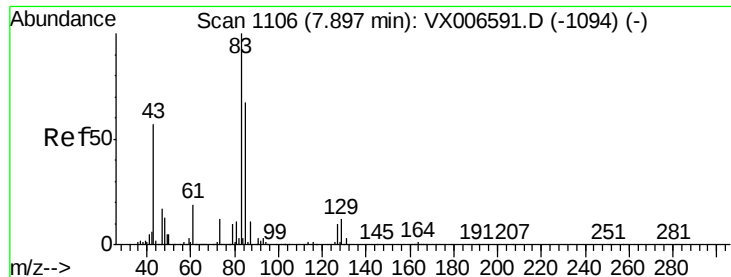
Ion Ratio Lower Upper

93 100

95 85.4 66.2 99.4

174 118.2 91.0 136.4





#47

Bromodichloromethane

Concen: 19.085 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

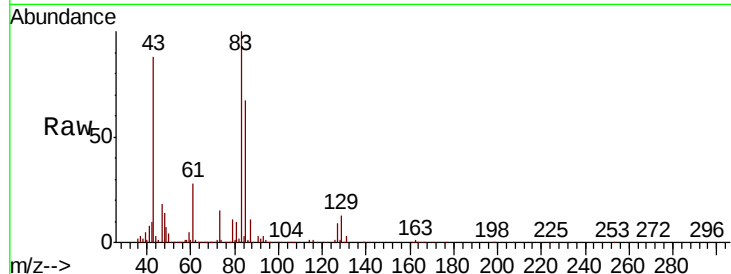
ClientSampleId :

VX1228MBSD01

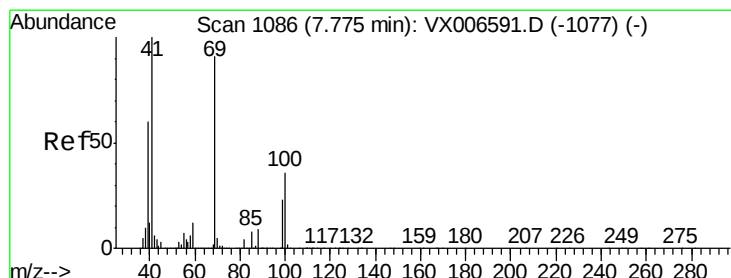
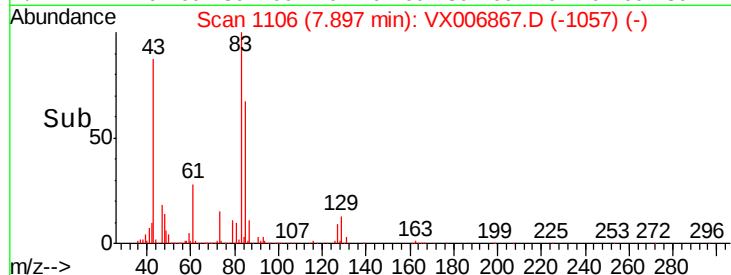
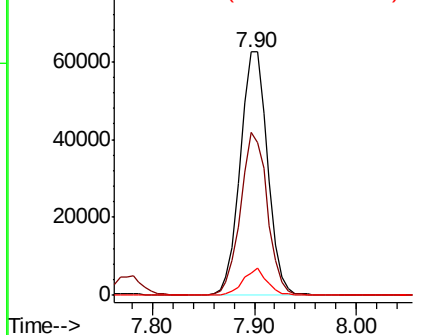
Tot Ion:	83	Resp:	116907
Ion Ratio	Lower	Upper	
83	100		
85	66.8	53.2	79.8
127	9.3	7.8	11.6

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.221 ug/l

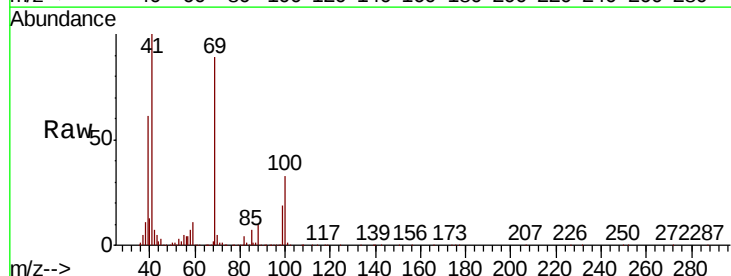
RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

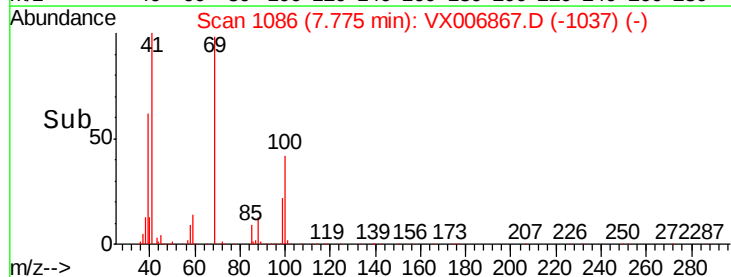
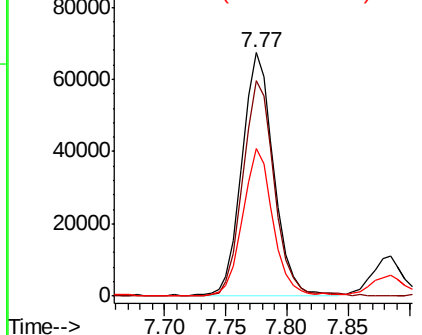
Lab File: VX006867.D

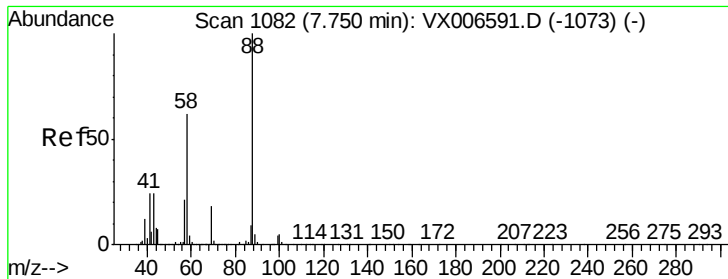
Acq: 28 Dec 2018 17:53

Tgt Ion:	41	Resp:	121351
Ion Ratio	Lower	Upper	
41	100		
69	88.8	72.4	108.6
39	57.3	45.8	68.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 377.036 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

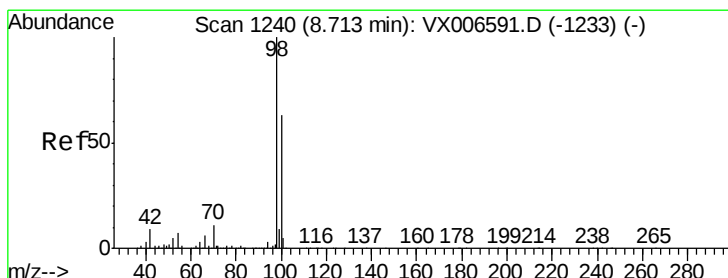
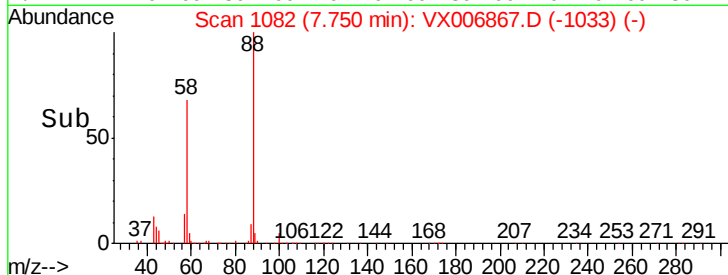
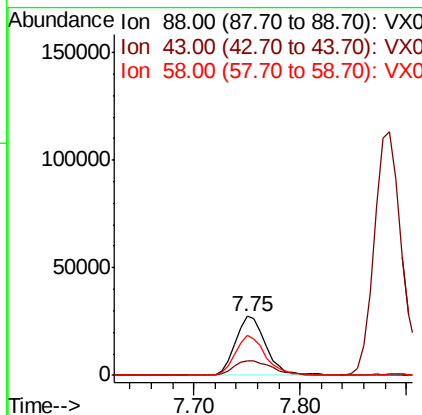
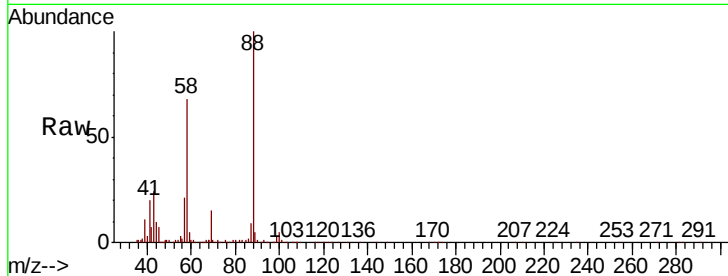
ClientSampleId :

VX1228MBSD01

Tot Ion:	88	Resp:	55643
Ion	Ratio	Lower	Upper
88	100		
43	28.7	22.2	33.4
58	64.9	51.0	76.4

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#50

Toluene-d8

Concen: 50.707 ug/l

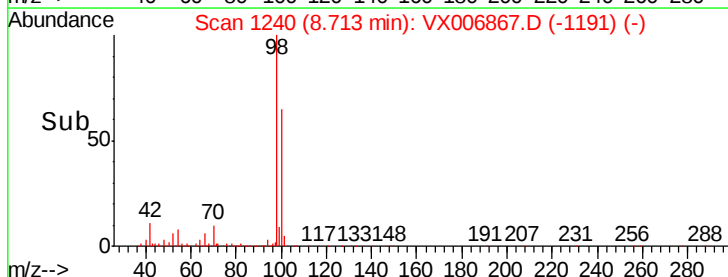
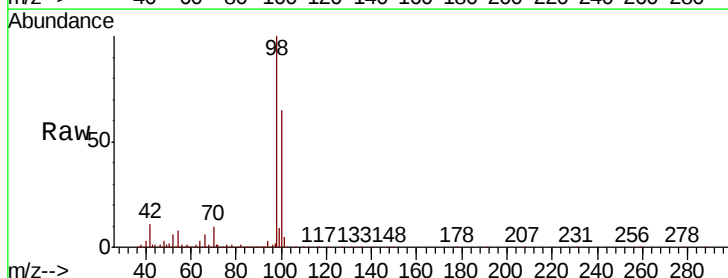
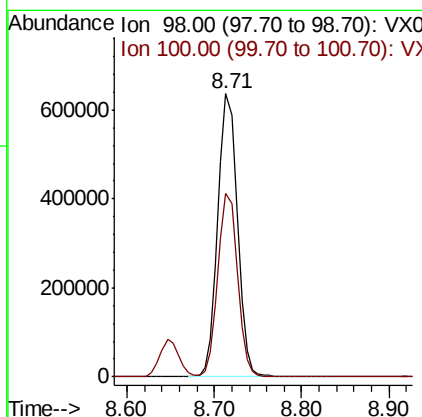
RT: 8.71 min Scan# 1240

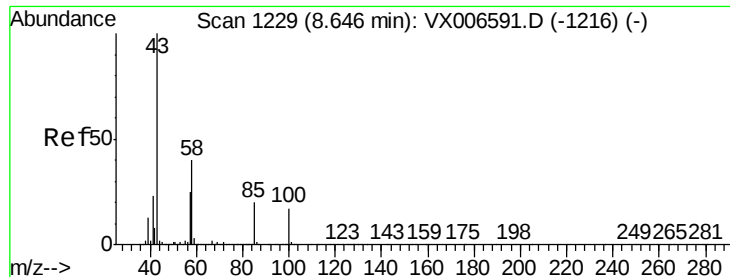
Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Tgt Ion:	98	Resp:	989792
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0





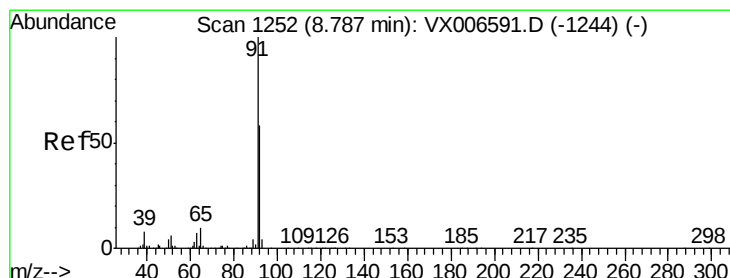
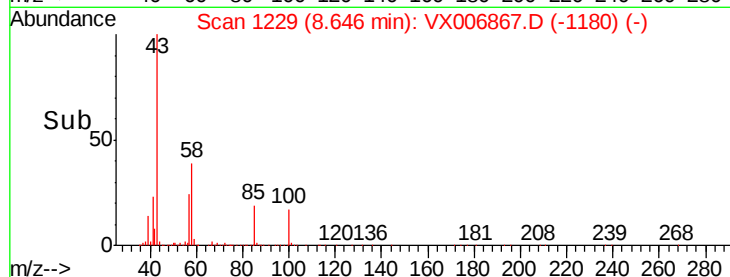
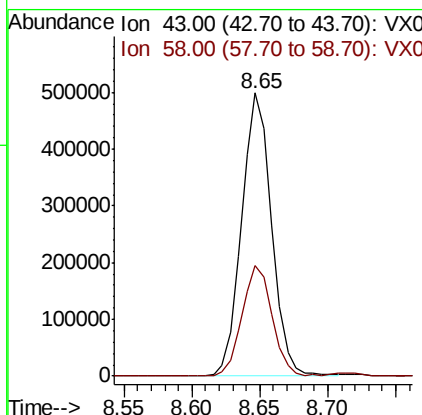
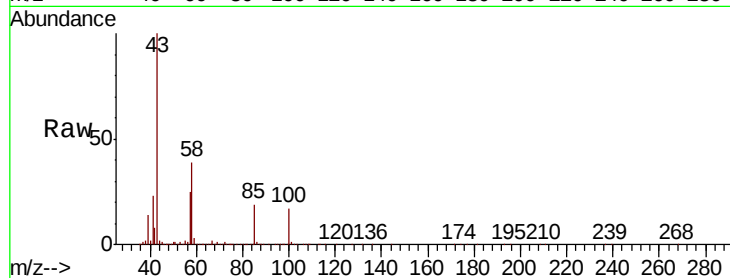
#51
4-Methyl-2-Pentanone
Concen: 112.400 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.8	47.6

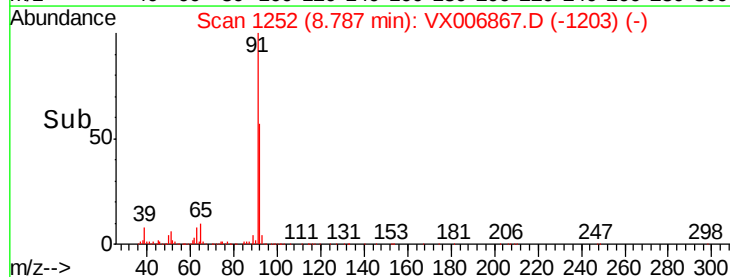
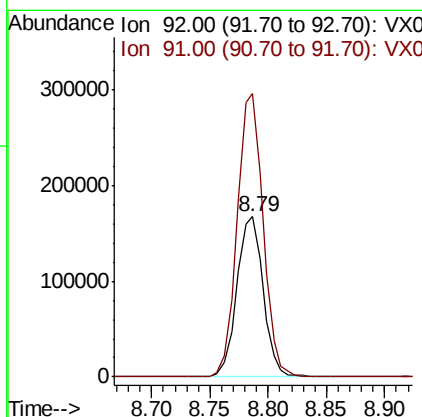
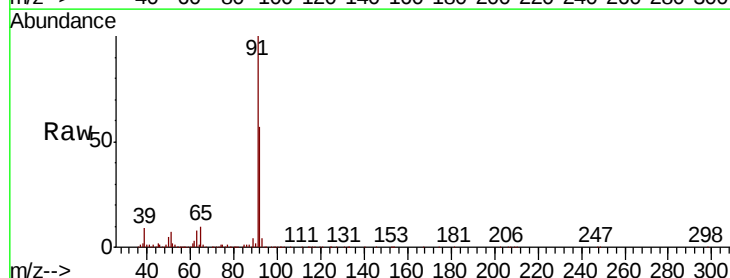
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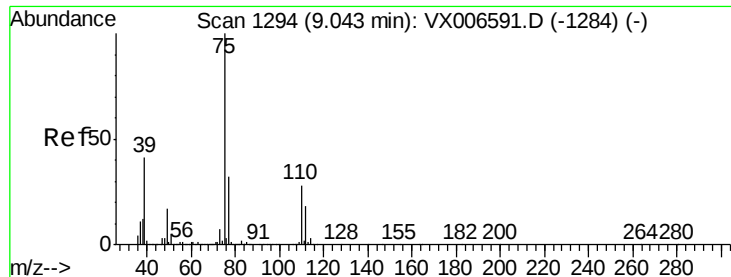
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#52
Toluene
Concen: 19.841 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 18.759 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 75 Resp: 123237

Ion Ratio Lower Upper

75 100

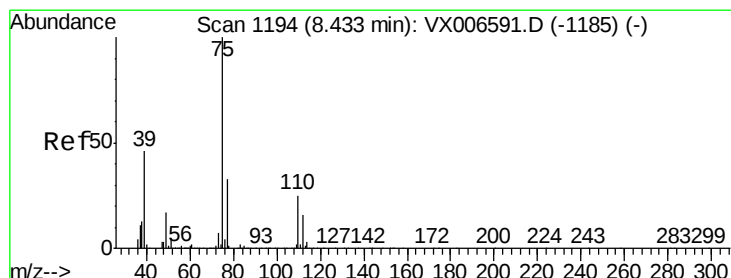
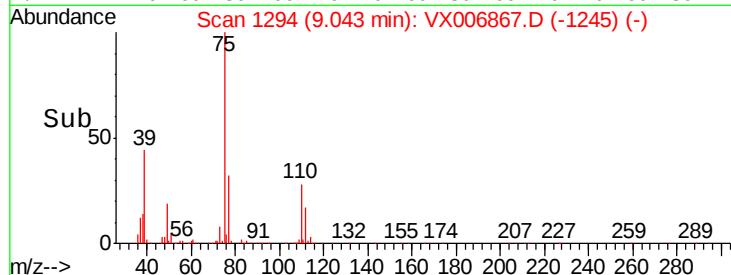
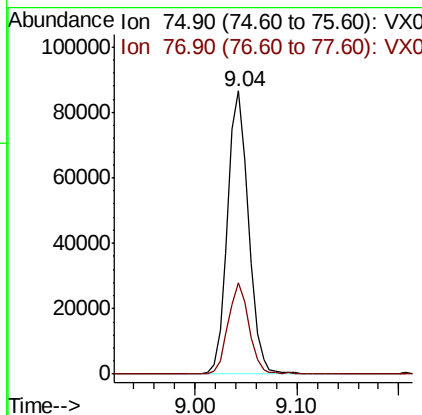
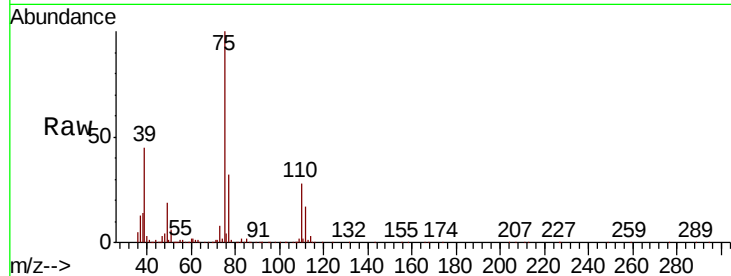
77 32.1 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 20.171 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

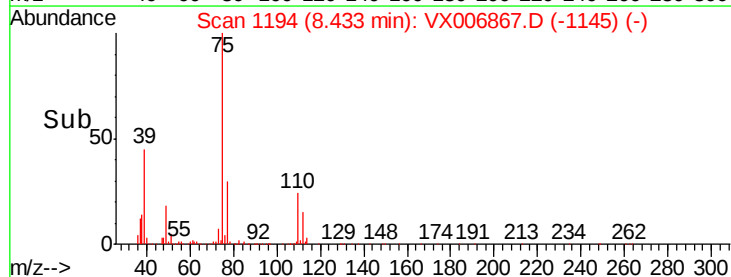
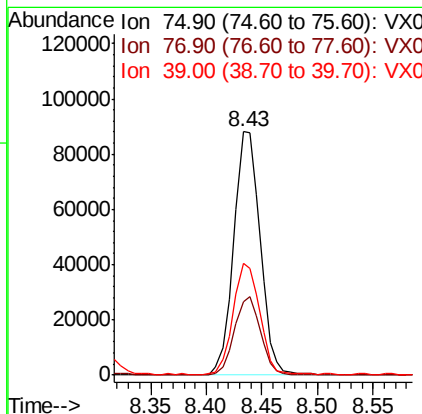
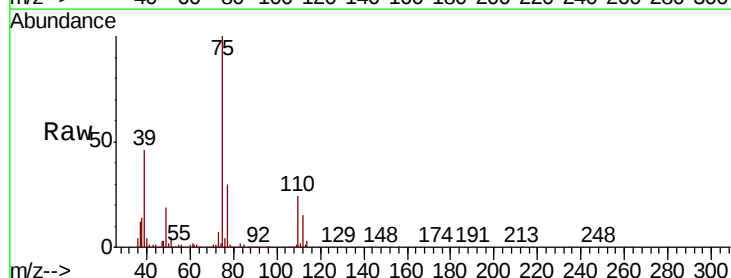
Tgt Ion: 75 Resp: 145402

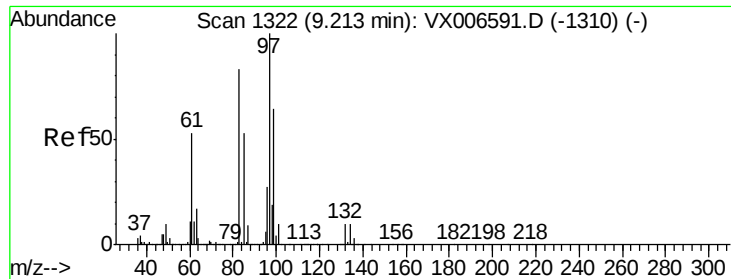
Ion Ratio Lower Upper

75 100

77 29.9 26.2 39.2

39 45.3 36.7 55.1





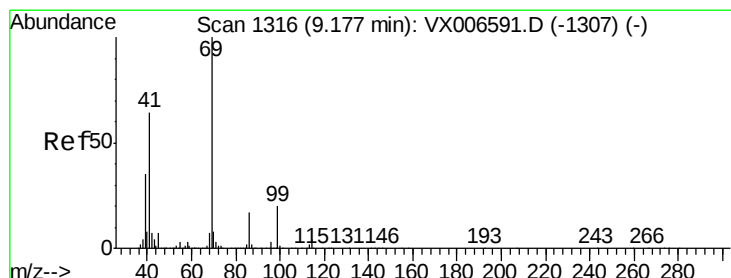
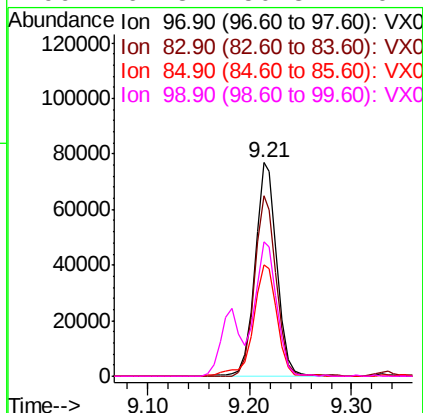
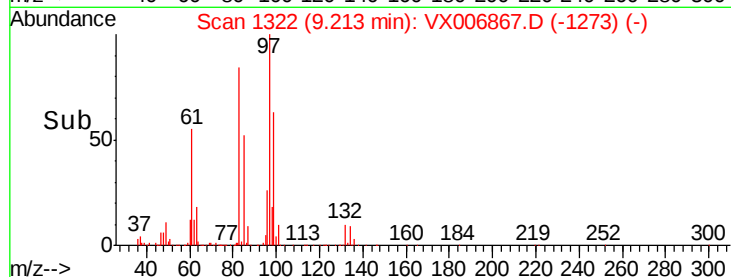
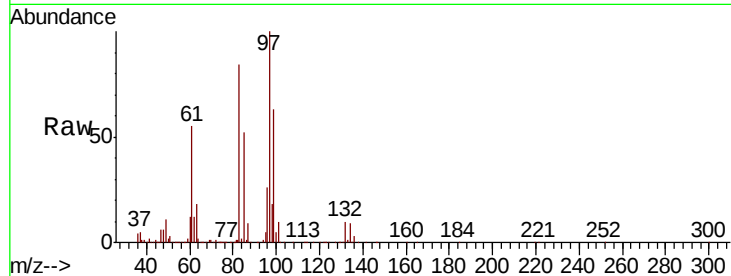
#55
 1,1,2-Trichloroethane
 Concen: 21.144 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBS01

Tot Ion:	97	Resp:	115249
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.6	99.8
85	52.0	42.7	64.1
99	62.8	50.8	76.2

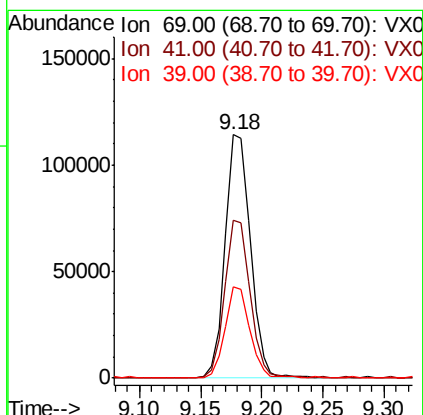
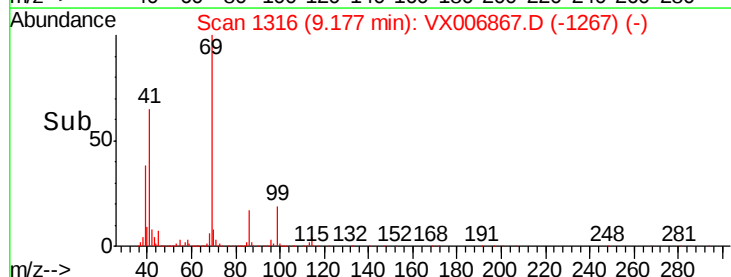
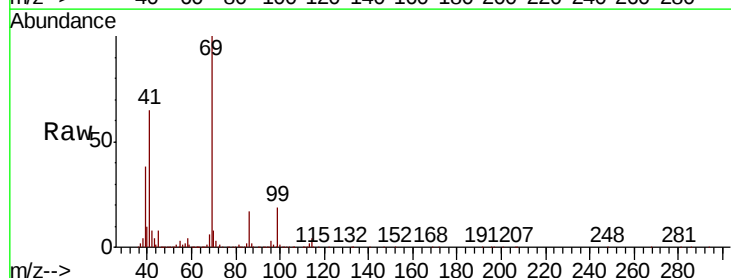
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#56
 Ethyl methacrylate
 Concen: 21.306 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Tgt Ion:	69	Resp:	164140
Ion	Ratio	Lower	Upper
69	100		
41	64.4	48.7	73.1
39	35.8	27.0	40.6





#57

1,3-Dichloropropane

Concen: 20.929 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 76 Resp: 183541

Ion Ratio Lower Upper

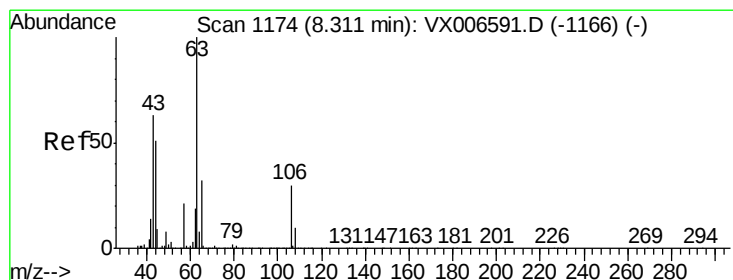
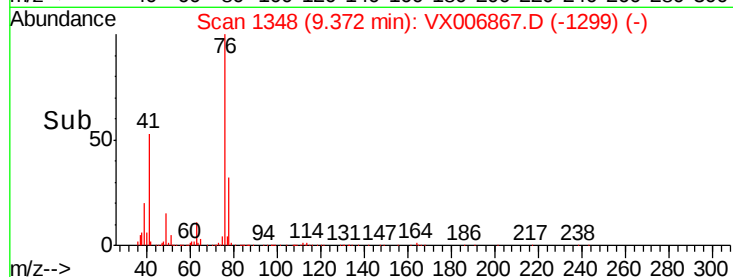
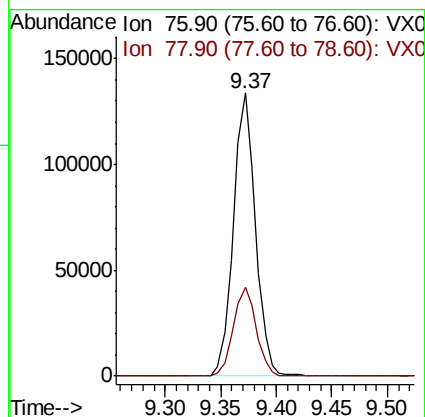
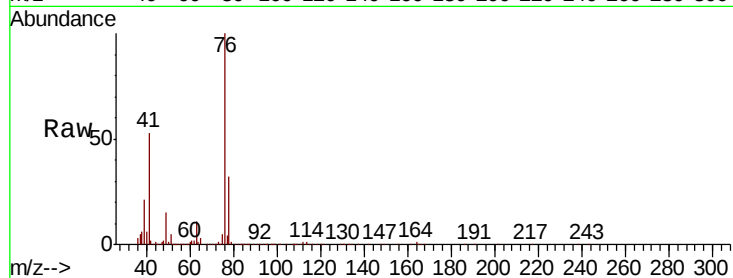
76 100

78 32.5 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 101.388 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006867.D

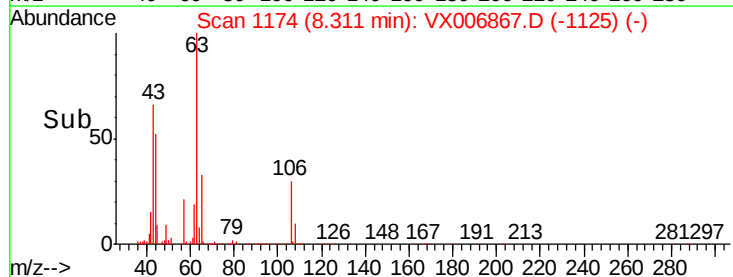
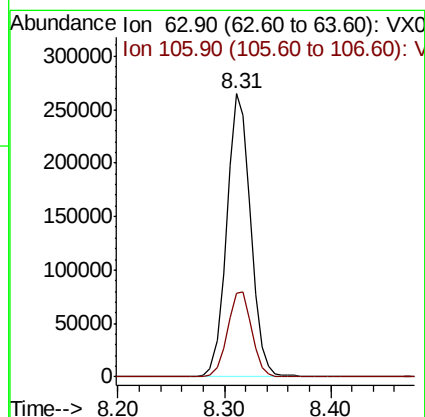
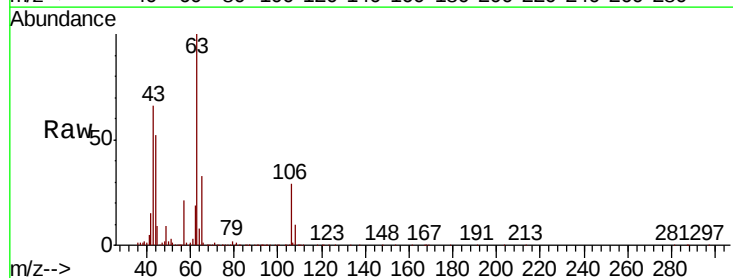
Acq: 28 Dec 2018 17:53

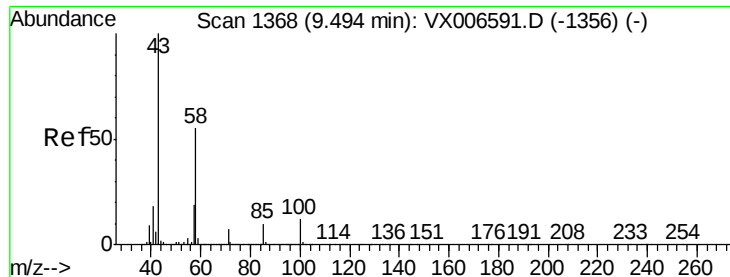
Tgt Ion: 63 Resp: 415197

Ion Ratio Lower Upper

63 100

106 30.7 24.6 36.8





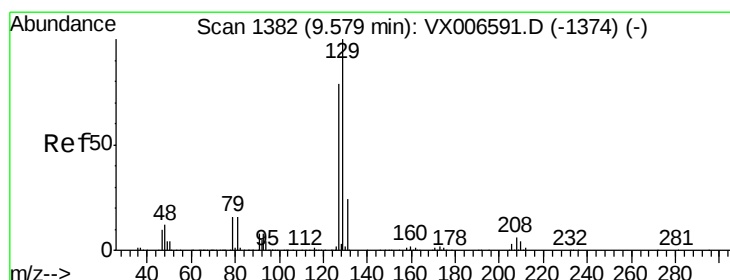
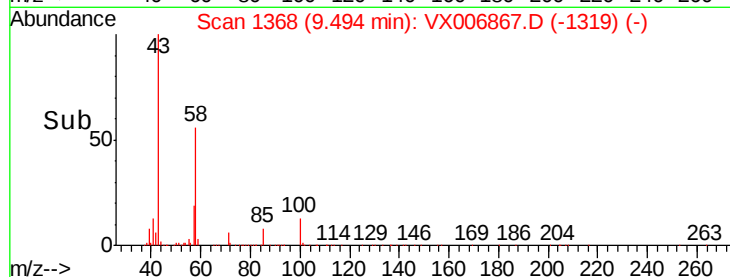
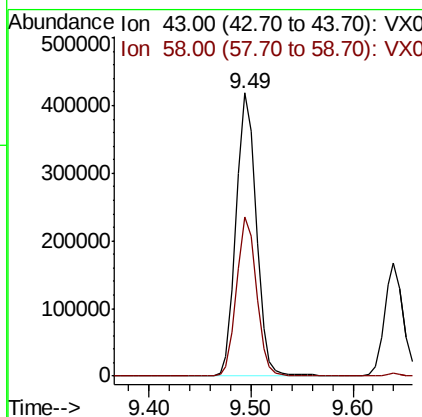
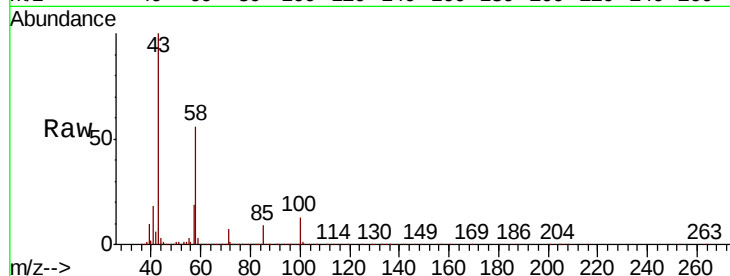
#59
2-Hexanone
Concen: 109.095 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion: 43 Resp: 570350
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.1

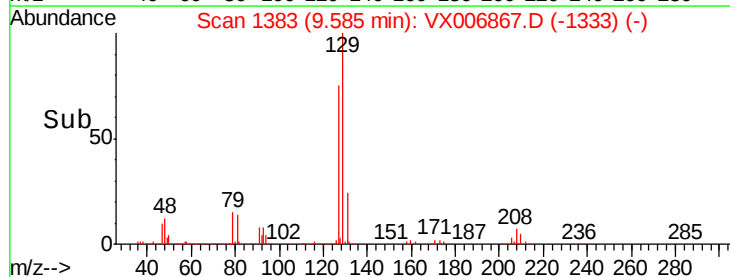
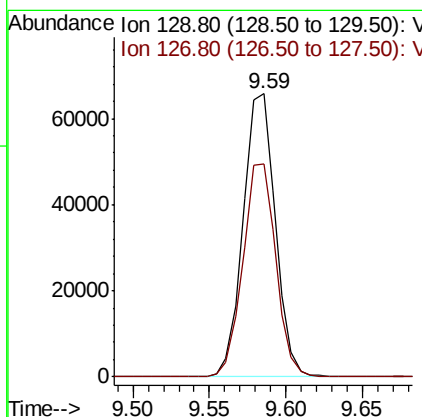
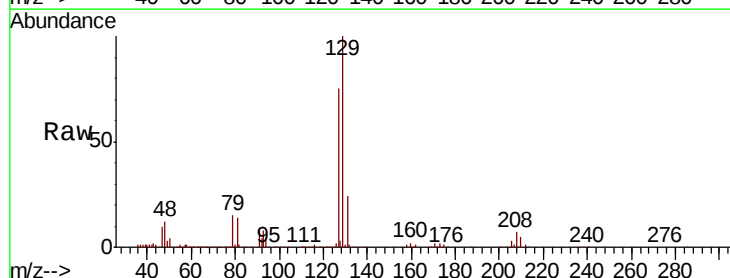
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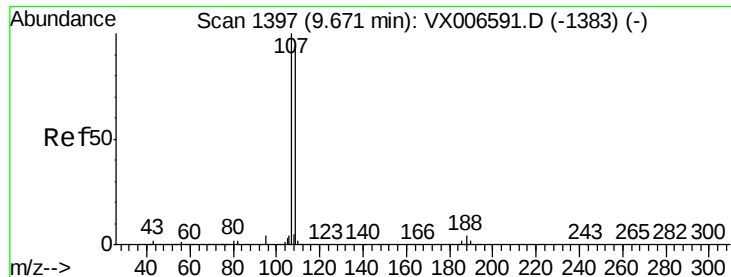
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#60
Dibromochloromethane
Concen: 18.465 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion: 129 Resp: 96502
Ion Ratio Lower Upper
129 100
127 76.7 39.3 117.8





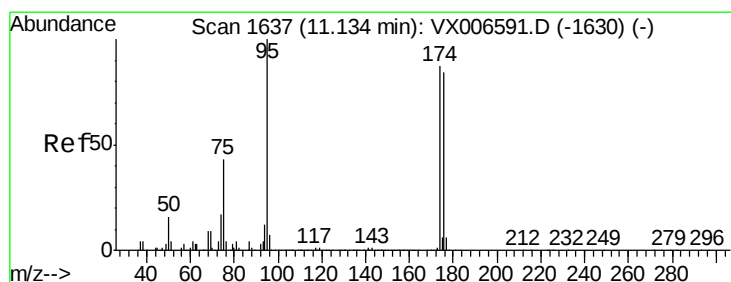
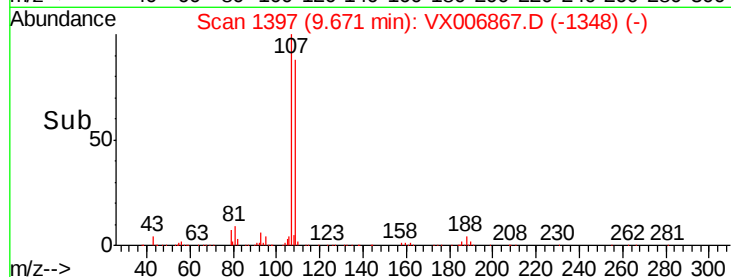
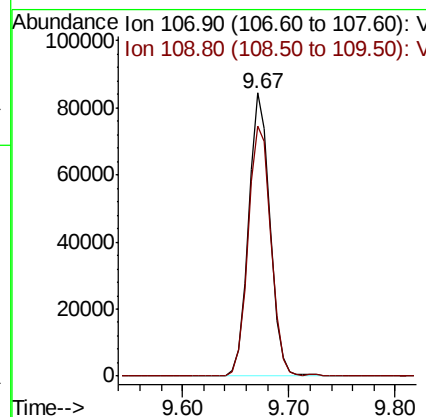
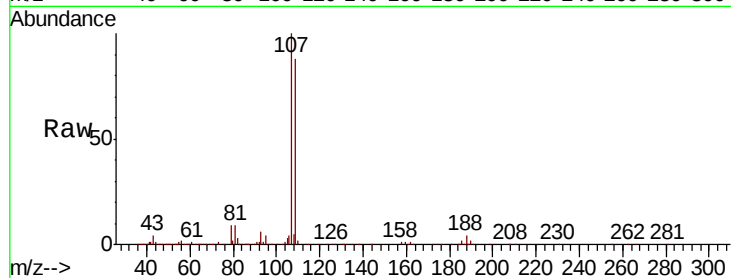
#61
 1,2-Dibromoethane
 Concen: 20.656 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.8	113.6

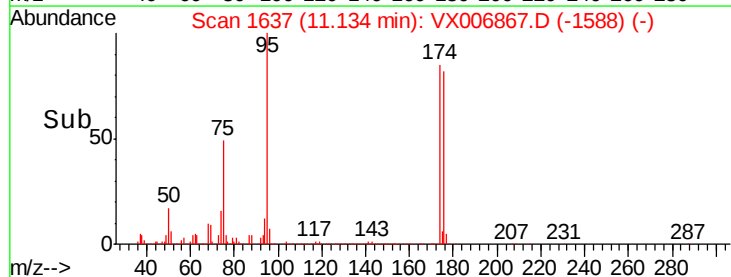
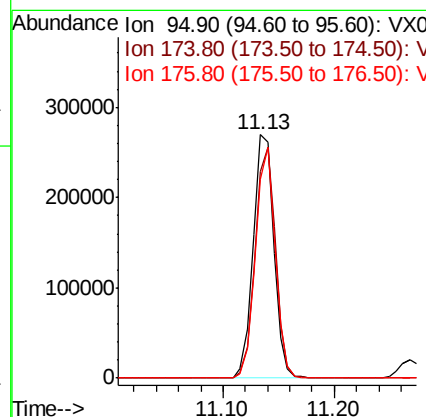
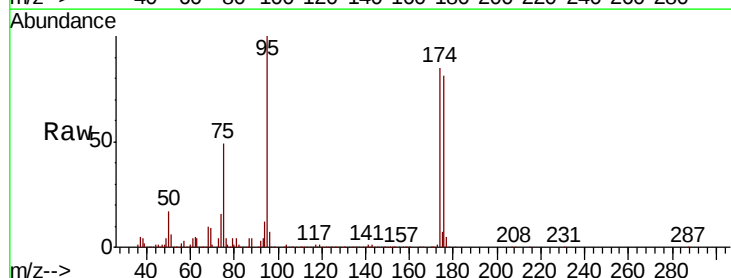
Manual Integrations
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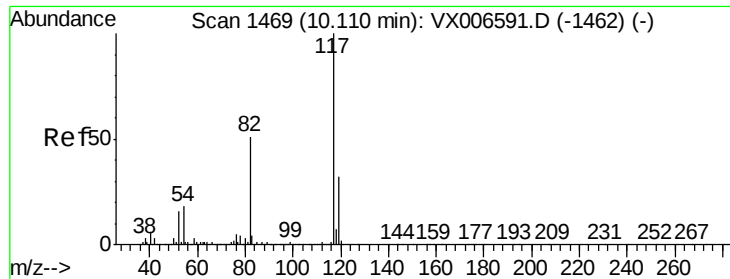
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 1/2/2019 10:47:06 AM



#62
 4-Bromofluorobenzene
 Concen: 48.802 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	182.2
176	90.5	0.0	178.8





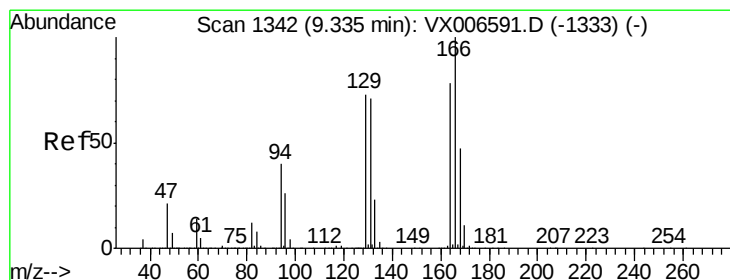
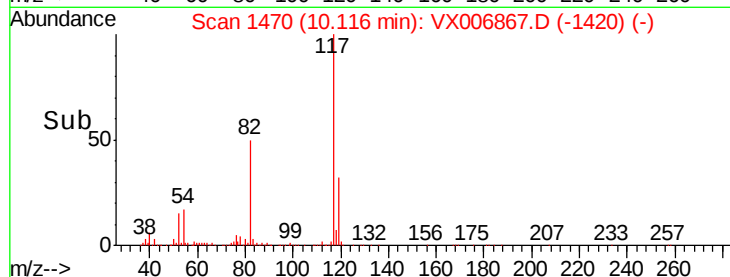
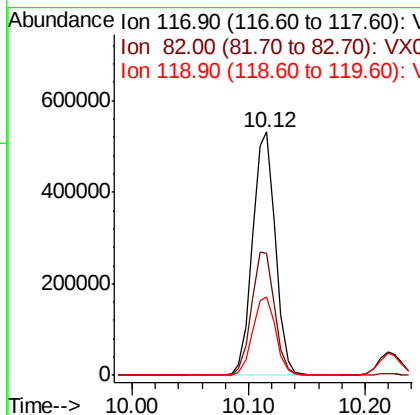
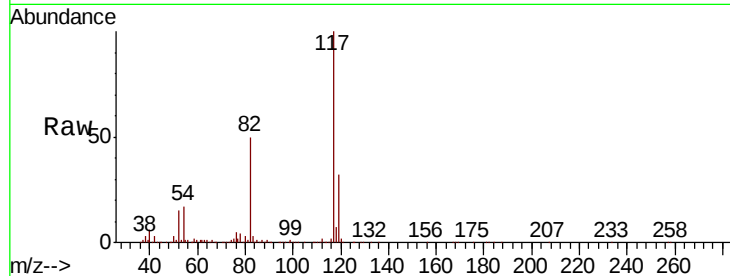
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	41.0	61.6
119	32.2	25.4	38.0

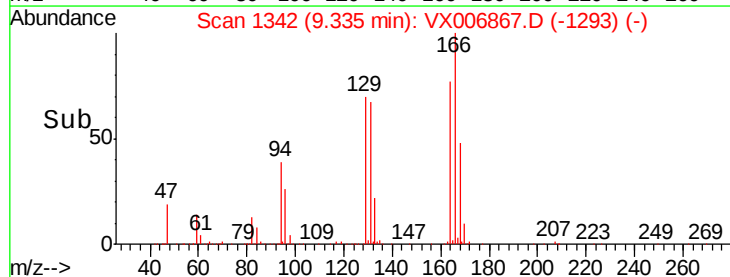
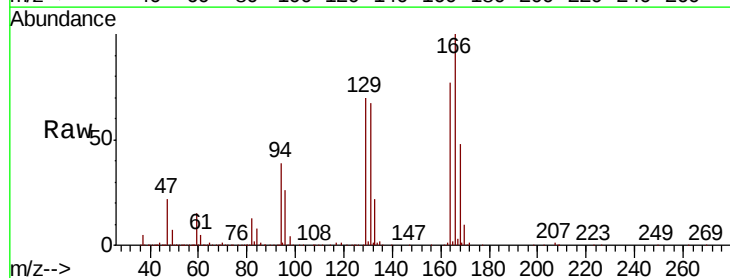
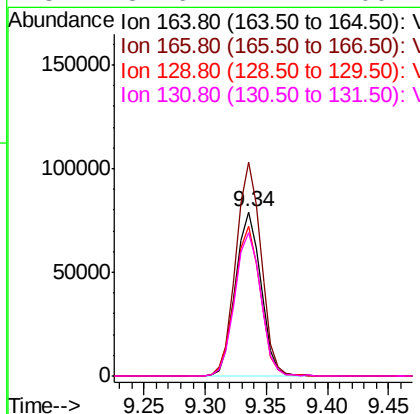
Manual Integrations
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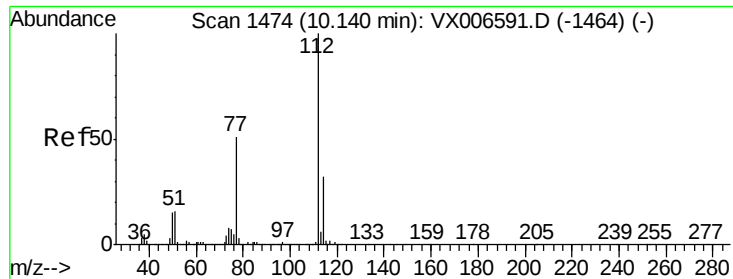
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#64
Tetrachloroethene
Concen: 19.754 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	102.5	153.7
129	91.7	75.1	112.7
131	87.6	72.7	109.1





#65

Chlorobenzene

Concen: 20.188 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBSD01

Tot Ion:112 Resp: 310253

Ion Ratio Lower Upper

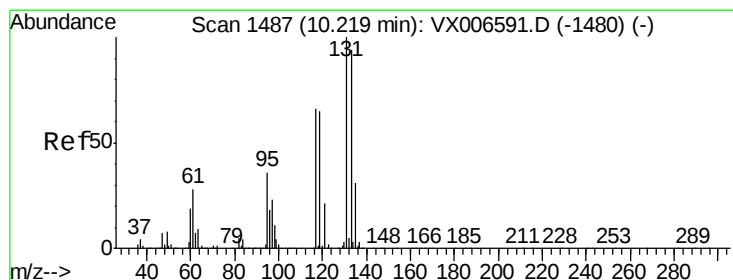
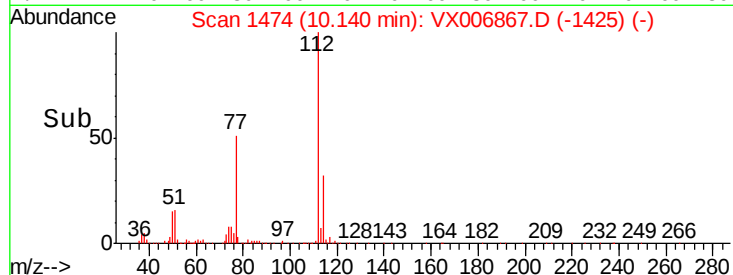
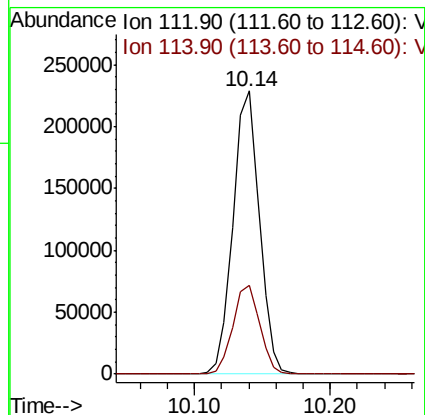
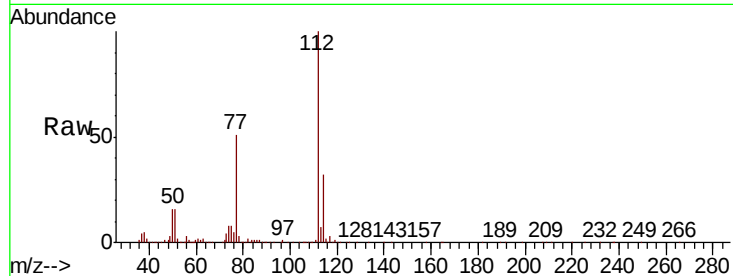
112 100

114 31.5 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.482 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

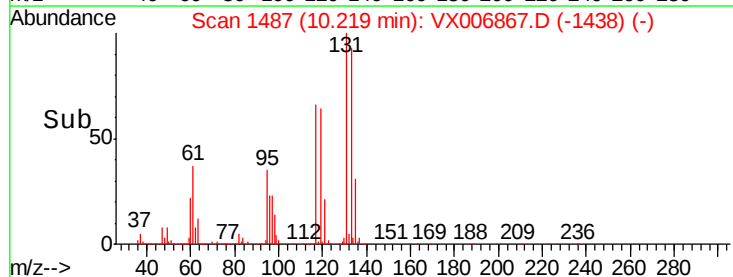
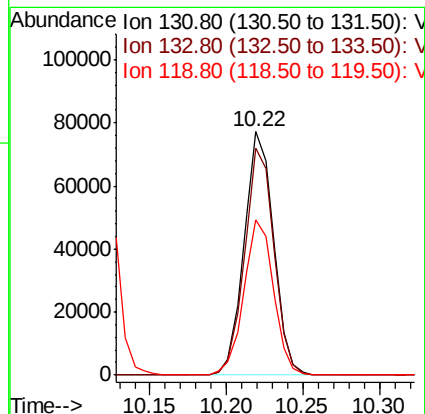
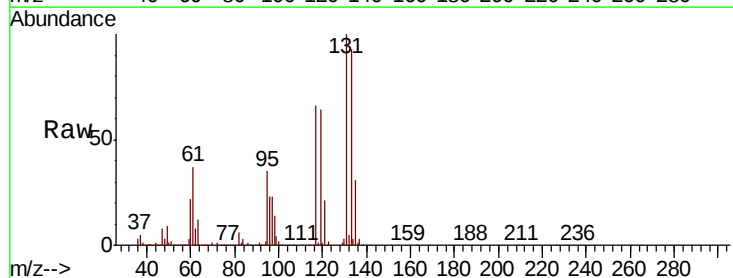
Tgt Ion:131 Resp: 103002

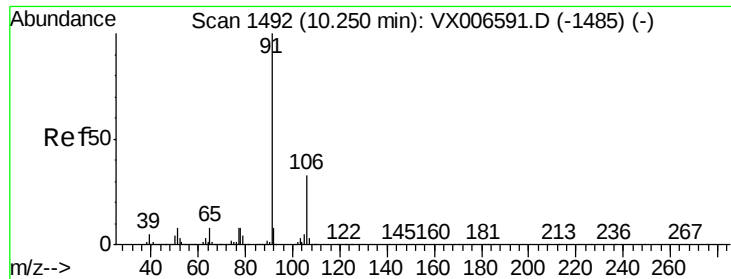
Ion Ratio Lower Upper

131 100

133 93.1 48.0 144.2

119 64.6 32.6 97.8





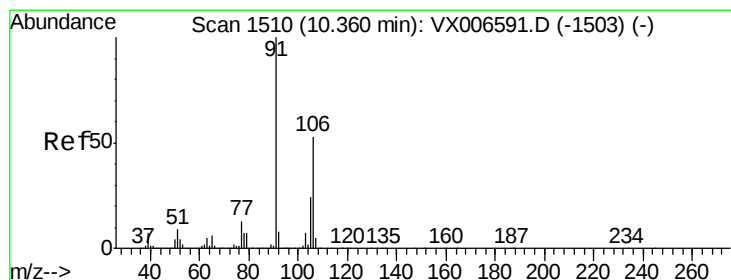
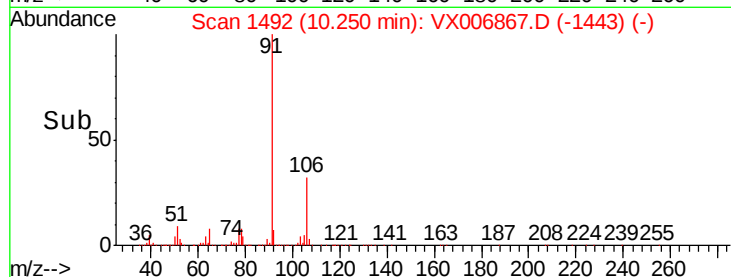
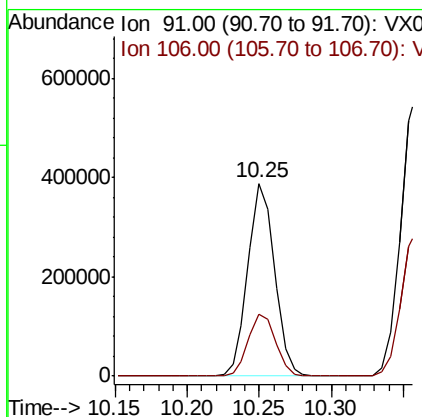
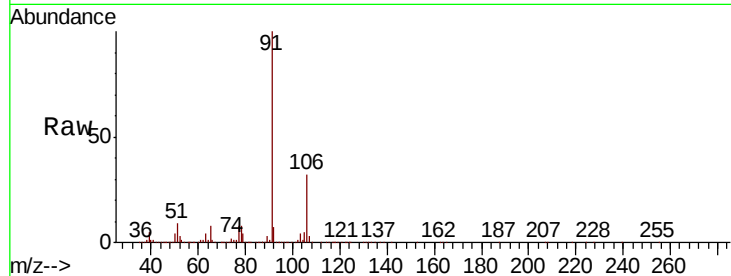
#67
Ethyl Benzene
Concen: 19.907 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.4	39.6

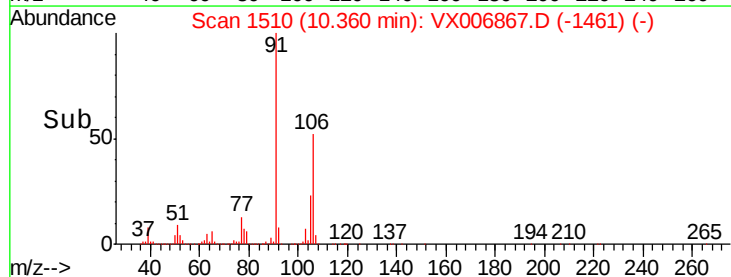
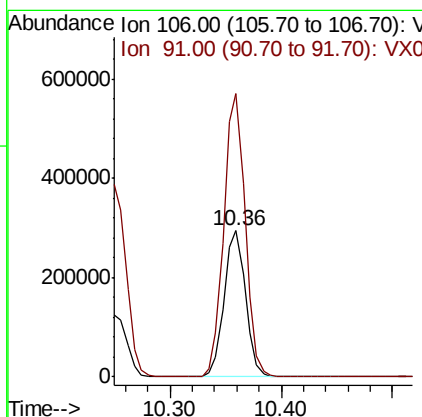
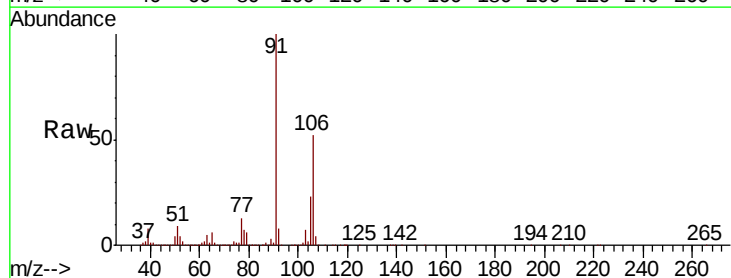
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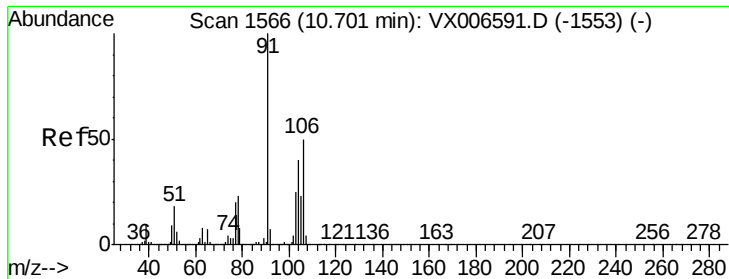
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#68
m/p-Xylenes
Concen: 39.608 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.1	155.8	233.6





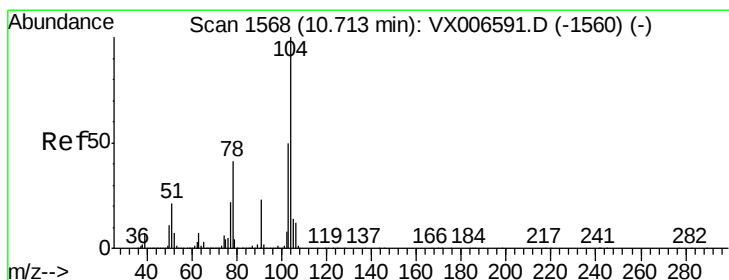
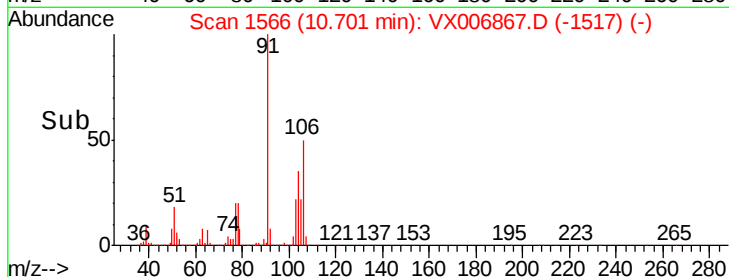
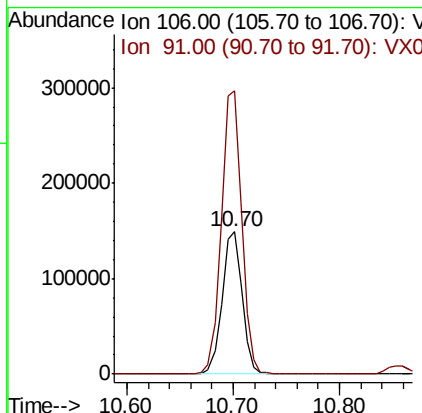
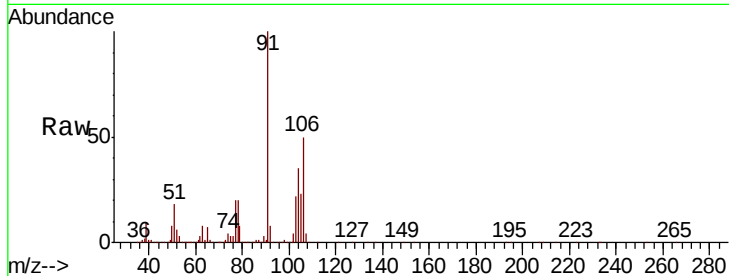
#69
o-Xylene
Concen: 19.975 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		195460		
91	203.3	101.3	303.7		

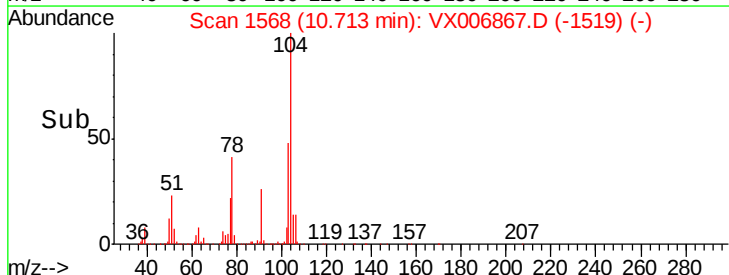
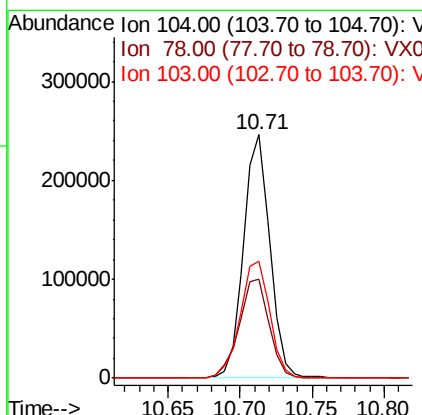
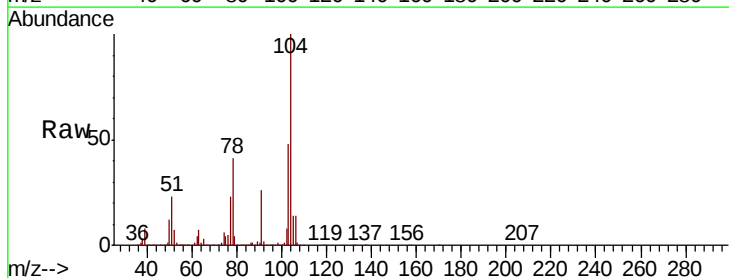
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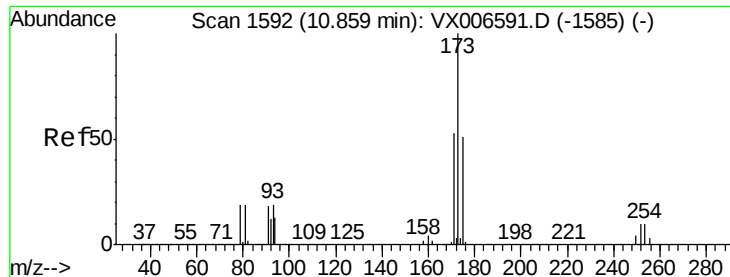
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#70
Styrene
Concen: 20.112 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		311352		
78	46.9	37.7	56.5		
103	54.2	43.8	65.8		





#71

Bromoform

Concen: 18.512 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBSD01

Tot Ion:173 Resp: 66729

Ion Ratio Lower Upper

173 100

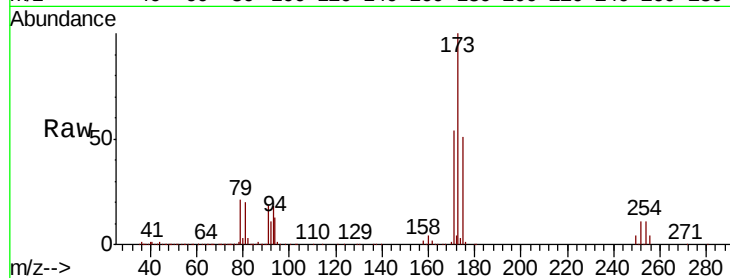
175 50.3 24.7 74.1

254 0.0 0.2 0.2#

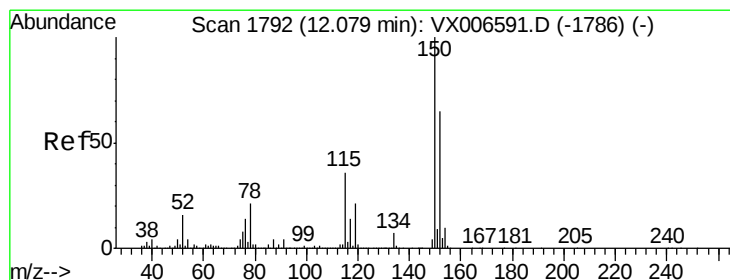
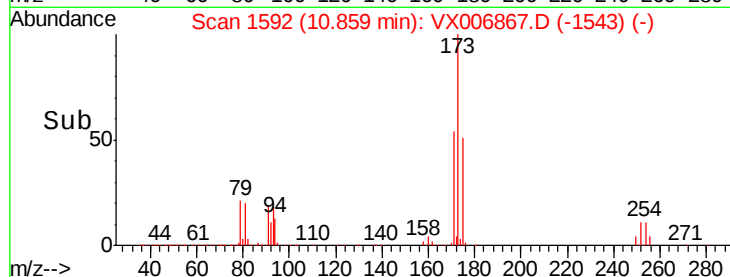
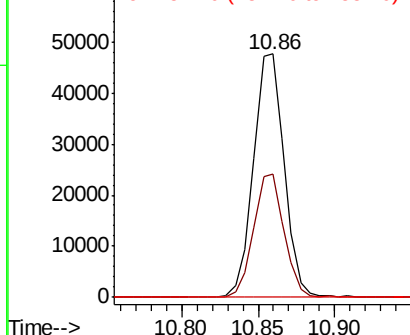
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

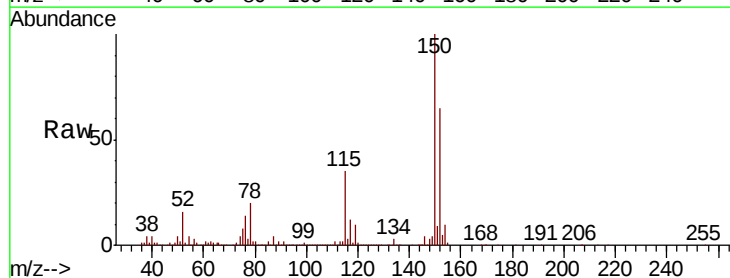
Tgt Ion:152 Resp: 361835

Ion Ratio Lower Upper

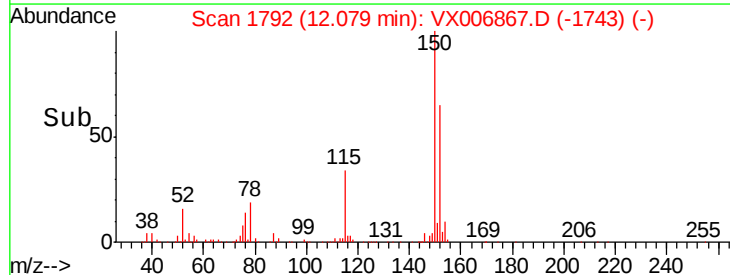
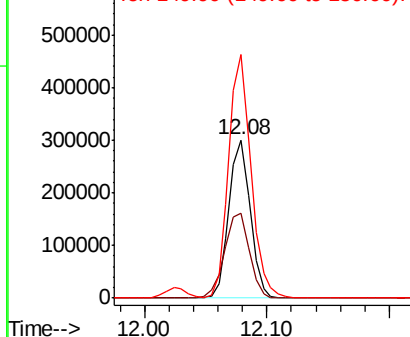
152 100

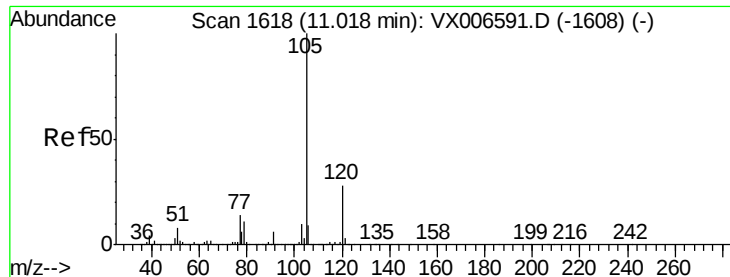
115 62.9 39.1 117.2

150 161.8 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.401 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 105 Resp: 505006

Ion Ratio Lower Upper

105 100

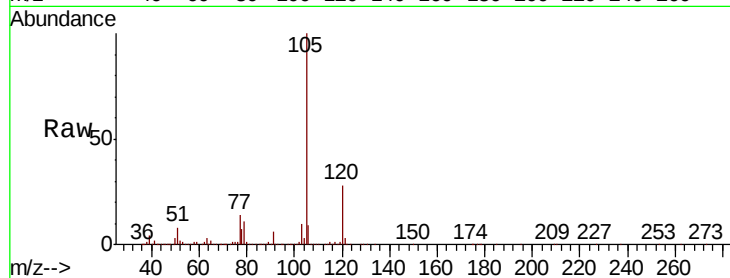
120 28.1 14.1 42.4

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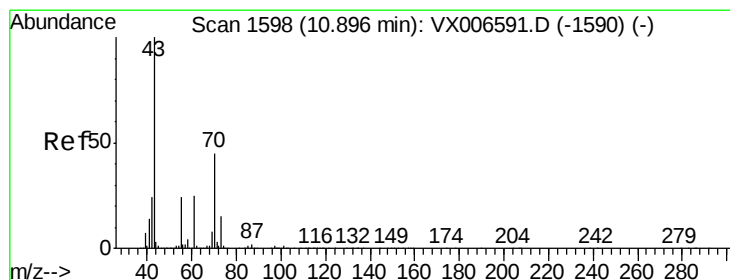
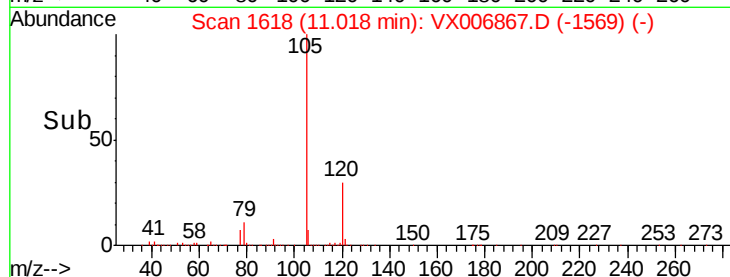
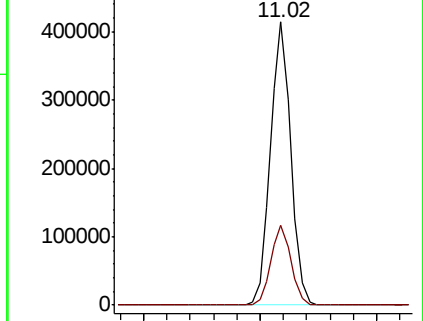
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.354 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Tgt Ion: 43 Resp: 206931

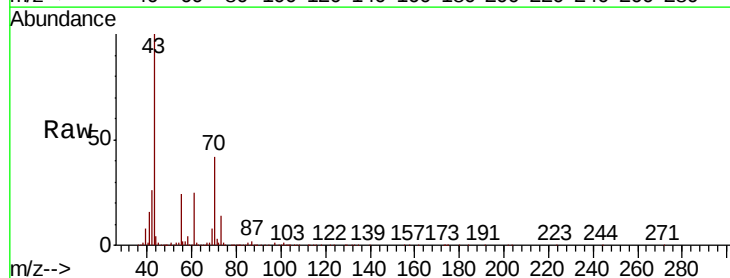
Ion Ratio Lower Upper

43 100

70 42.8 35.8 53.8

55 24.6 19.4 29.0

61 24.4 20.1 30.1

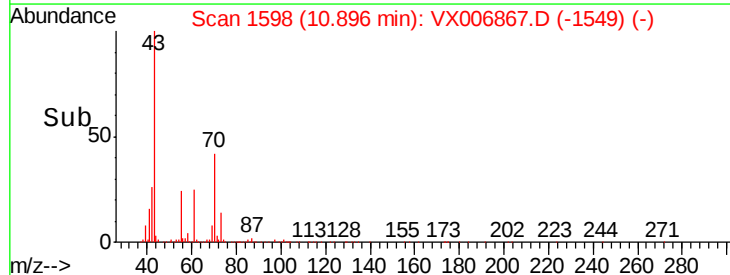
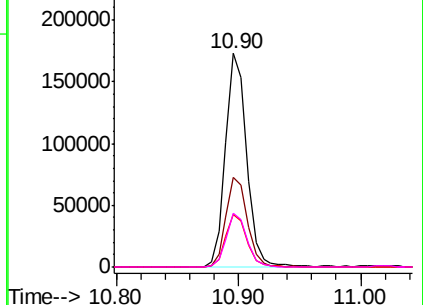


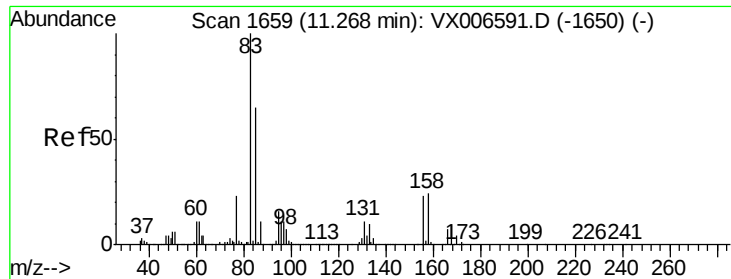
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.825 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBSD01

Tot Ion: 83 Resp: 168036

Ion Ratio Lower Upper

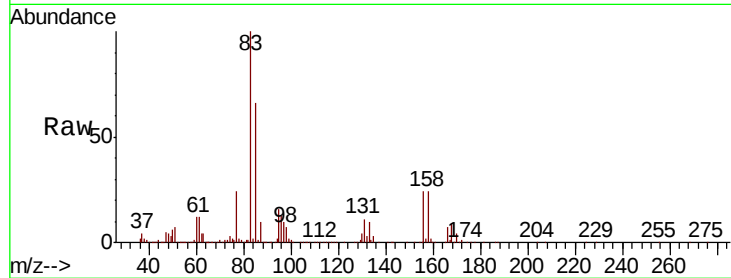
83 100

131 11.1 5.7 17.1

85 65.1 32.2 96.6

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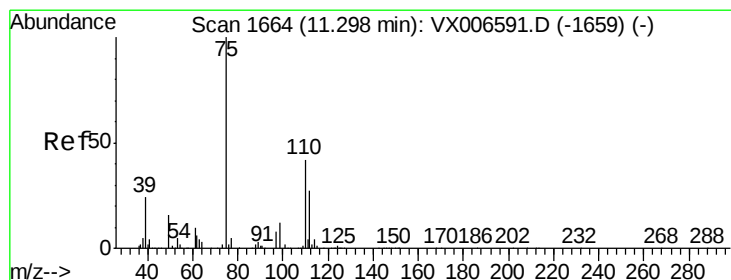
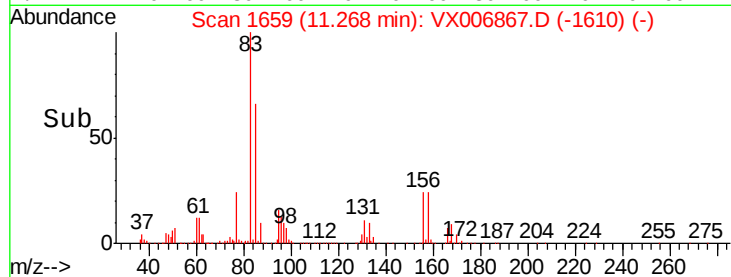
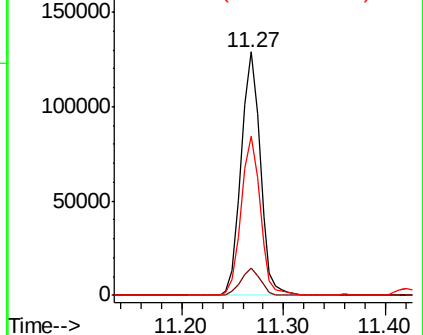
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.557 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006867.D

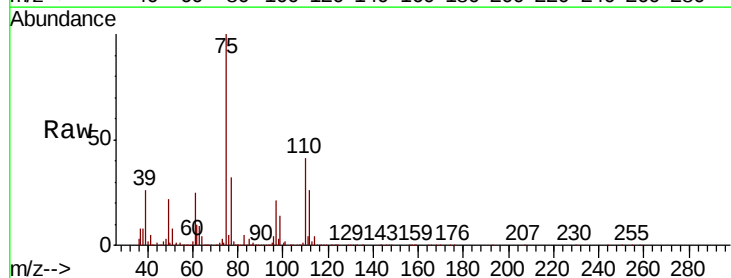
Acq: 28 Dec 2018 17:53

Tgt Ion: 75 Resp: 151681

Ion Ratio Lower Upper

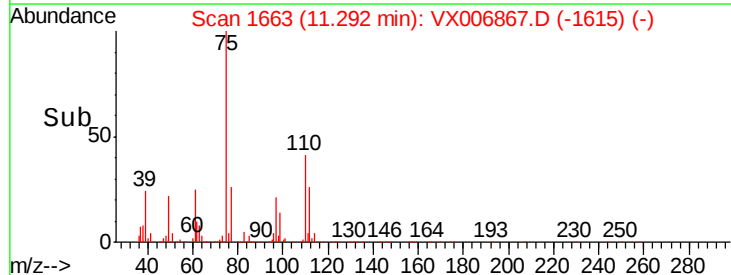
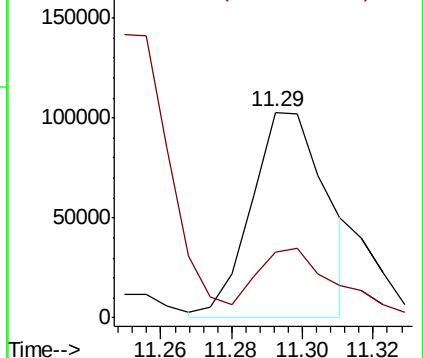
75 100

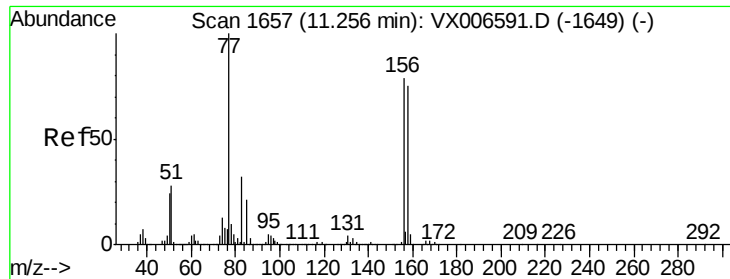
77 36.3 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.744 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

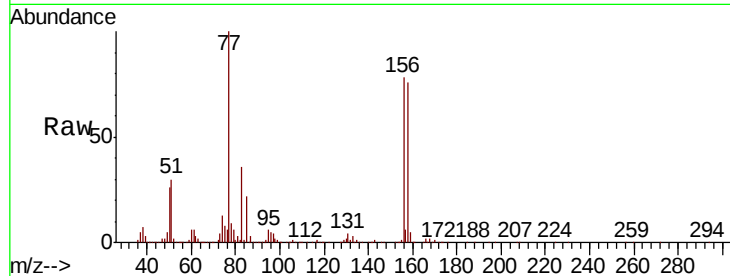
ClientSampleId :

VX1228MBS01

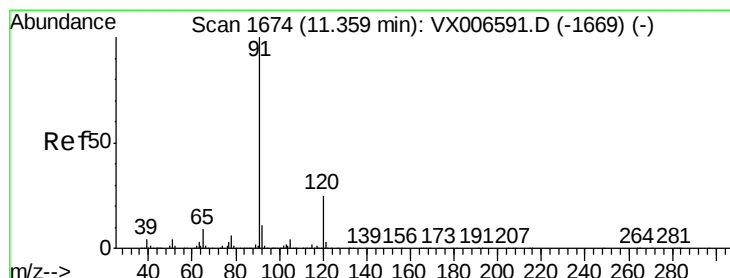
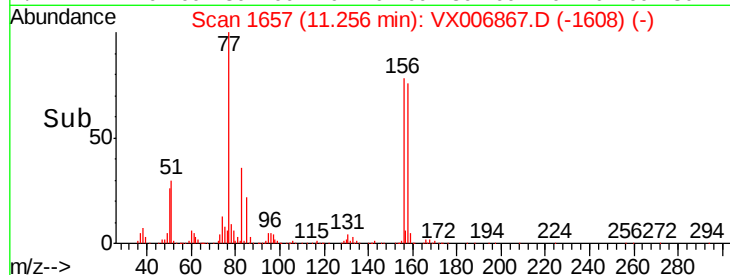
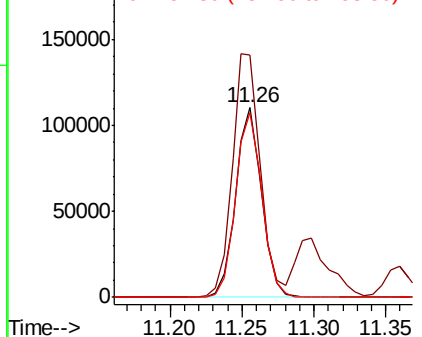
Tot Ion:	156	Resp:	138825
Ion Ratio	Lower	Upper	
156	100		
77	138.9	68.0	204.0
158	98.8	48.3	144.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.210 ug/l

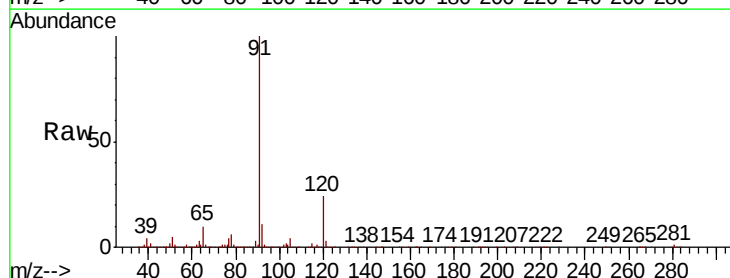
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

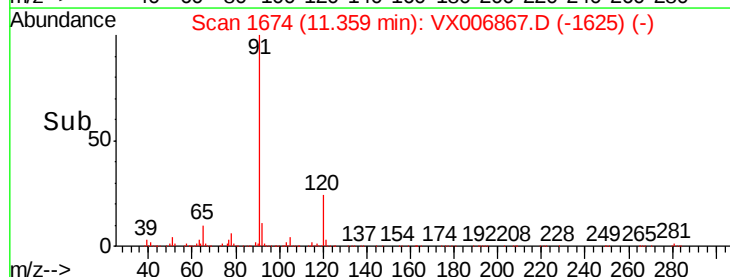
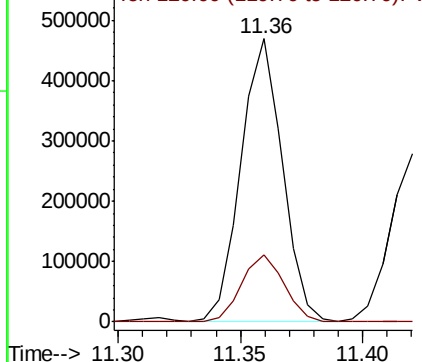
Lab File: VX006867.D

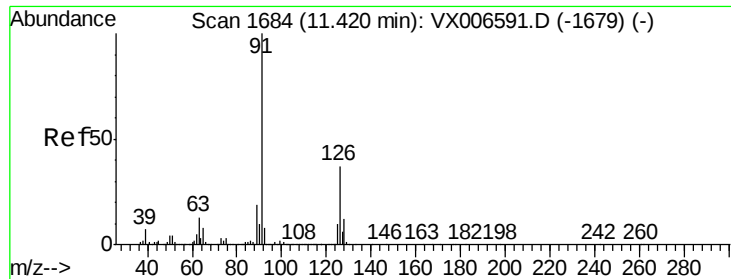
Acq: 28 Dec 2018 17:53

Tgt Ion:	91	Resp:	550896
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.7	38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.157 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampled :

VX1228MBSD01

Tot Ion: 91 Resp: 332982

Ion Ratio Lower Upper

91 100

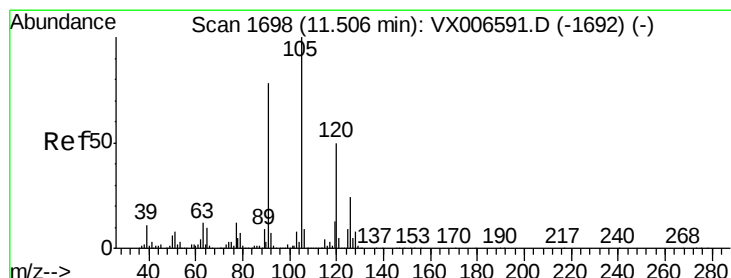
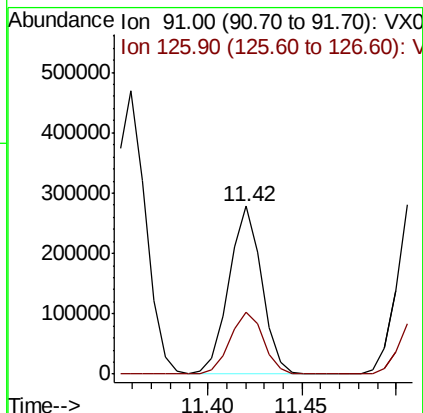
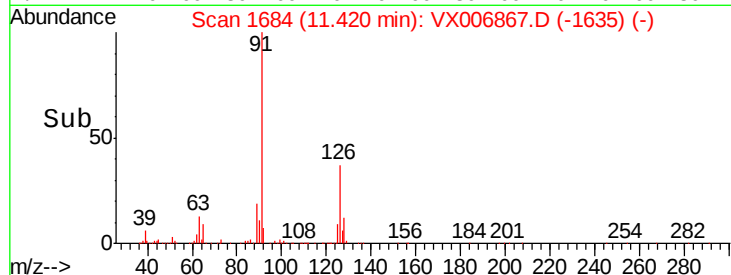
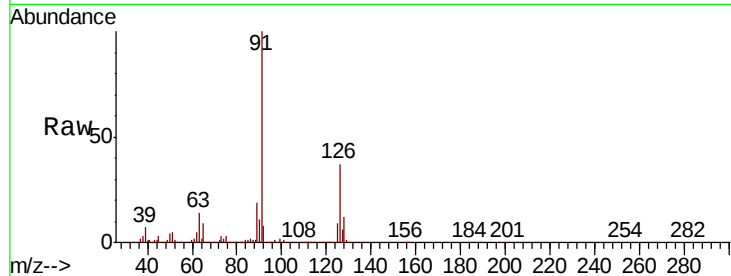
126 37.7 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.159 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006867.D

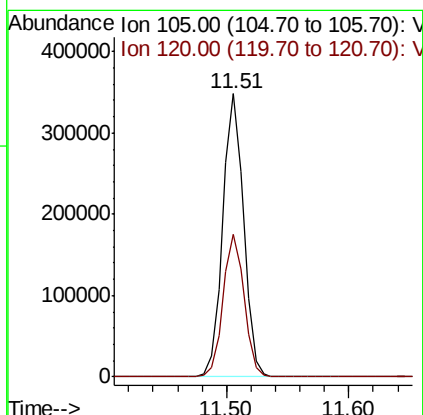
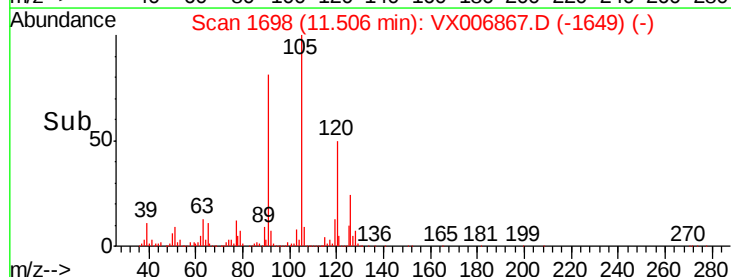
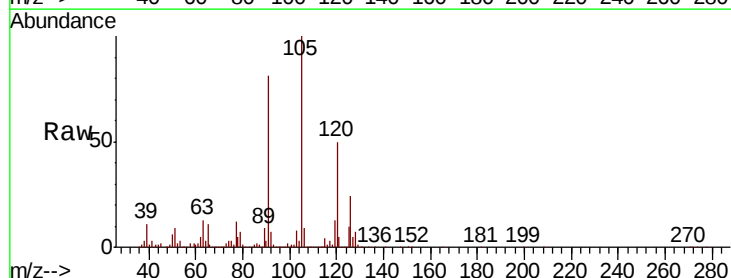
Acq: 28 Dec 2018 17:53

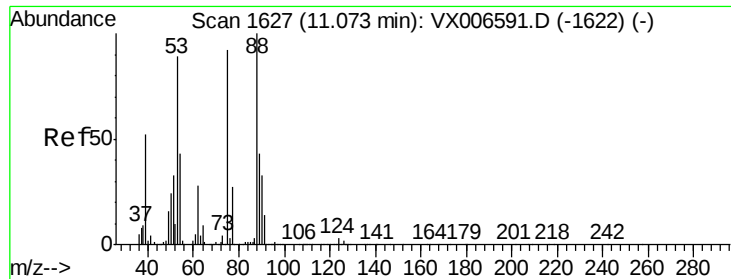
Tgt Ion: 105 Resp: 411027

Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.399 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampled :

VX1228MBSD01

Tot Ion: 75 Resp: 34198

Ion Ratio Lower Upper

75 100

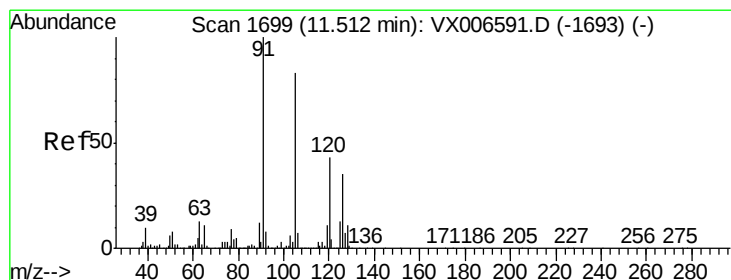
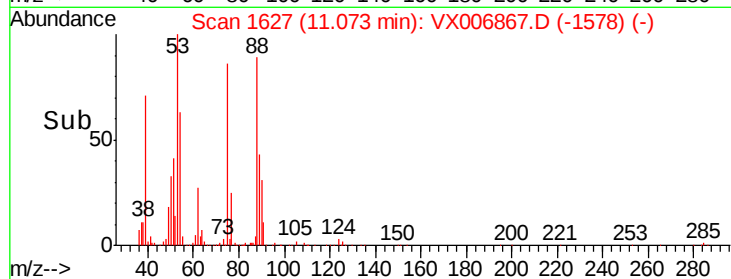
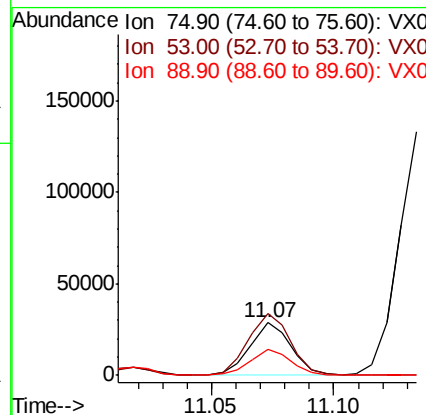
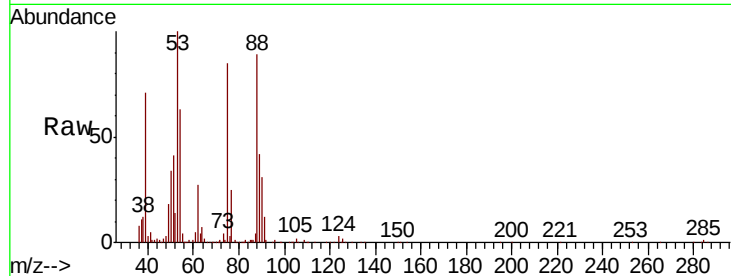
53 120.5 79.7 119.5#

89 48.3 38.0 57.0

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#82

4-Chlorotoluene

Concen: 20.116 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006867.D

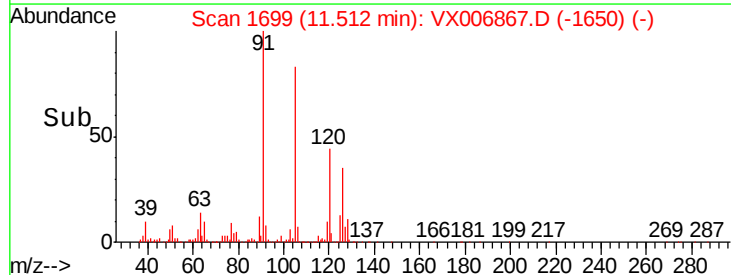
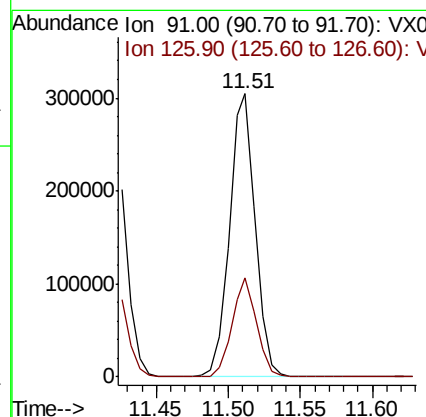
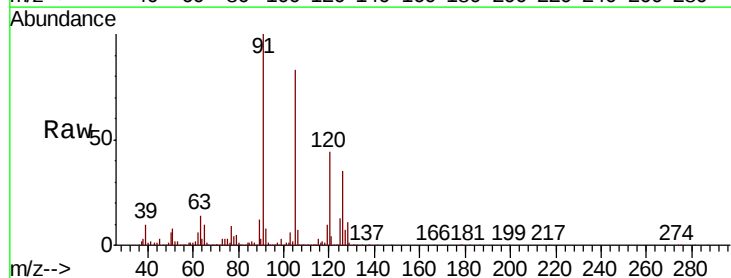
Acq: 28 Dec 2018 17:53

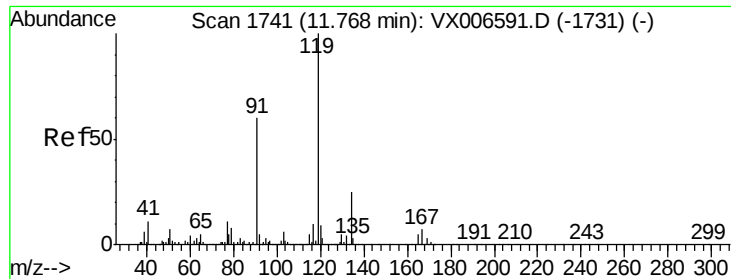
Tgt Ion: 91 Resp: 381170

Ion Ratio Lower Upper

91 100

126 33.4 16.3 48.9





#83

tert-Butylbenzene

Concen: 19.768 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

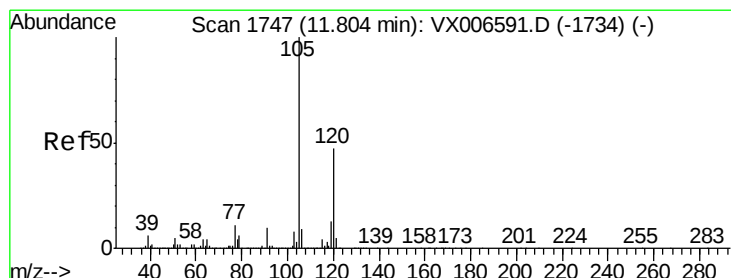
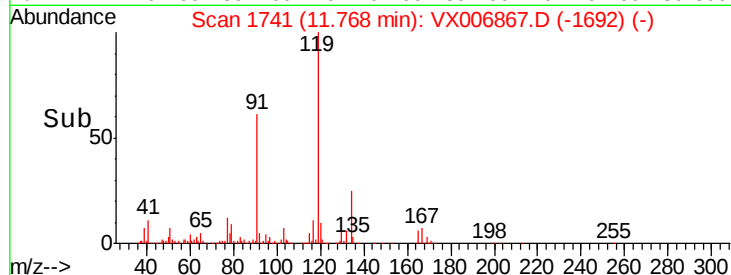
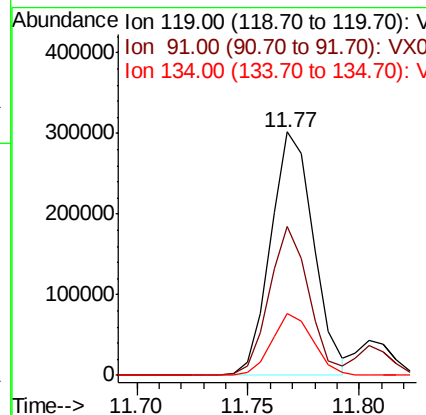
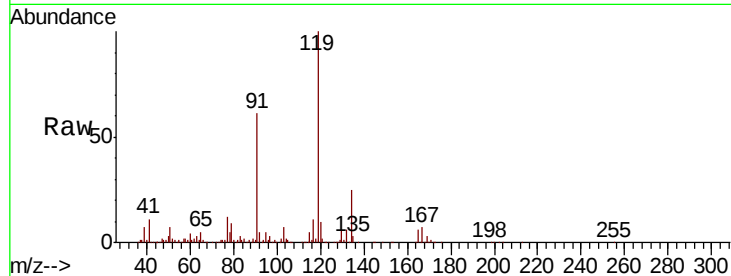
ClientSampleId :

VX1228MBSD01

Tot Ion:	119	Resp:	403392
Ion Ratio	Lower	Upper	
119	100		
91	56.6	27.7	83.1
134	24.6	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.991 ug/l

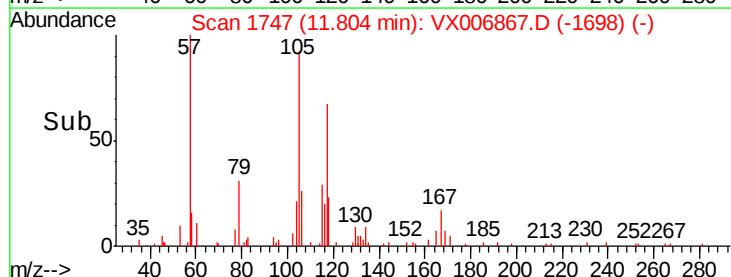
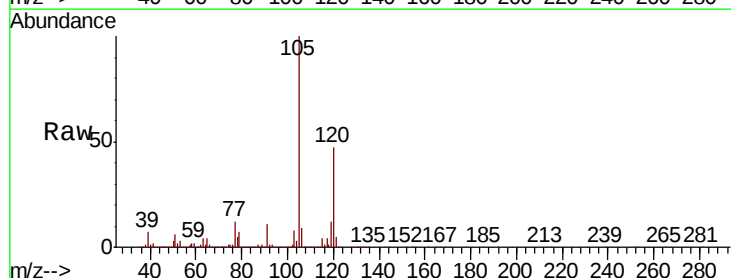
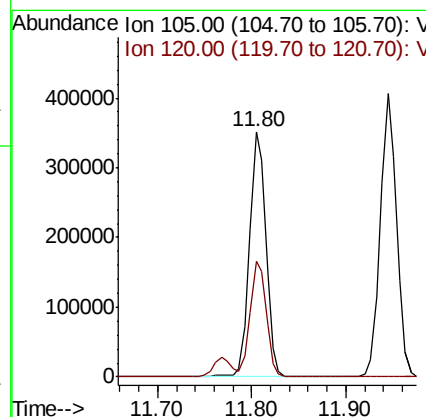
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Tgt Ion:	105	Resp:	428722
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.378 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion:105 Resp: 484821

Ion Ratio Lower Upper

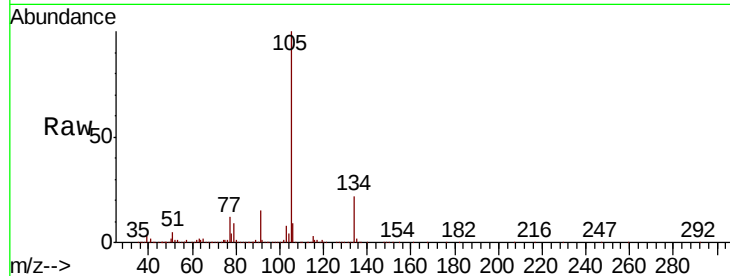
105 100

134 21.5 10.7 31.9

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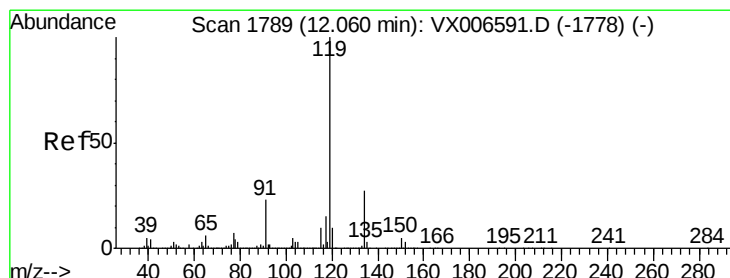
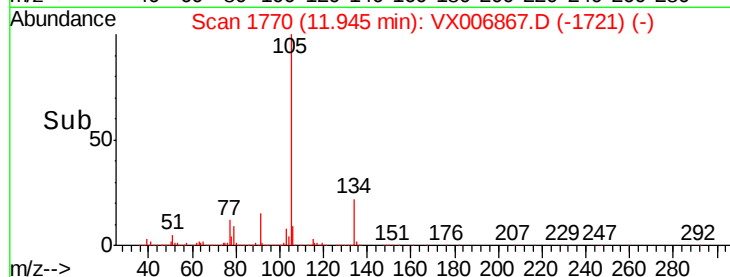
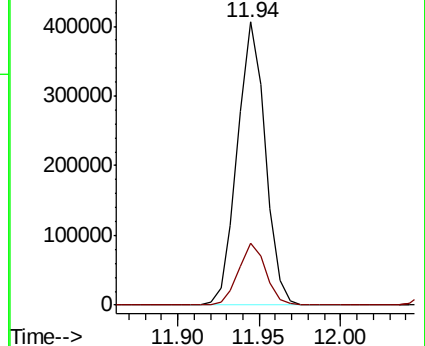
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.640 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

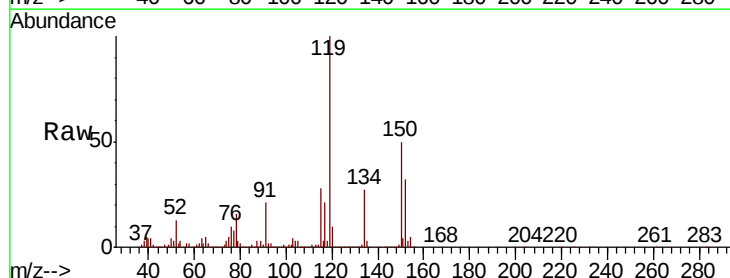
Tgt Ion:119 Resp: 431937

Ion Ratio Lower Upper

119 100

134 27.5 14.0 41.9

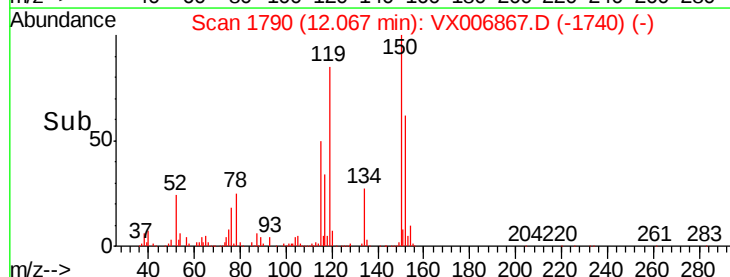
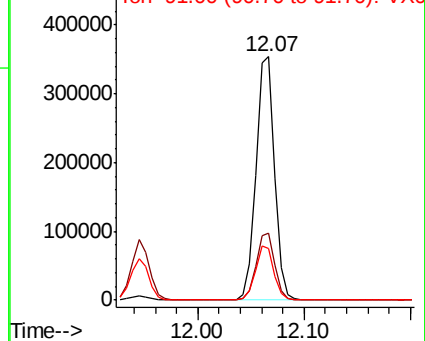
91 22.0 11.3 33.9

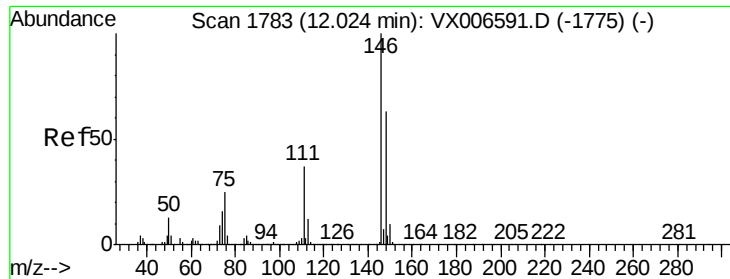


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





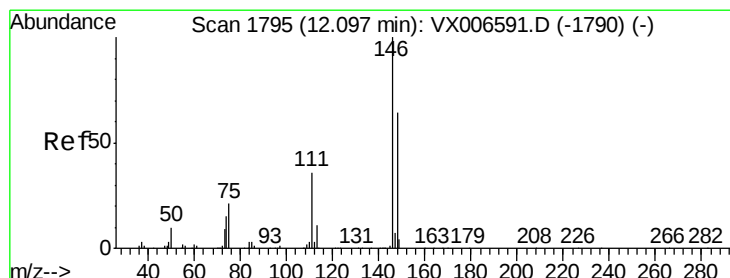
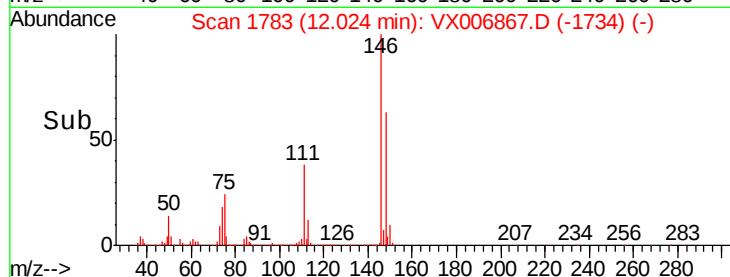
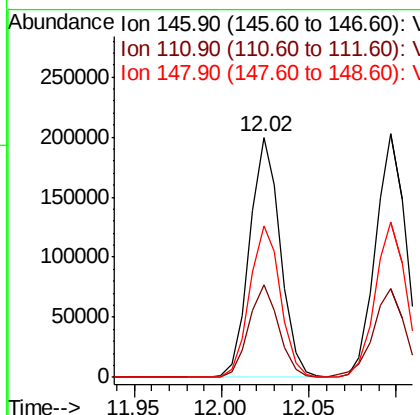
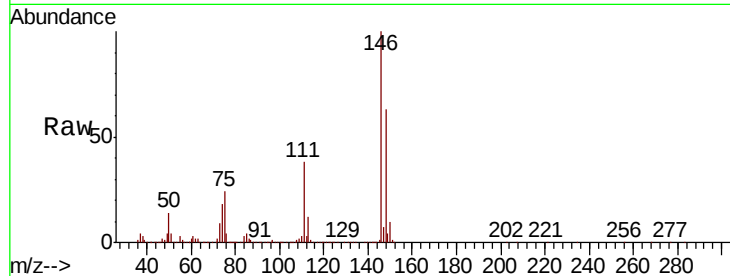
#87
 1,3-Dichlorobenzene
 Concen: 20.175 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	63.5	31.8	95.3

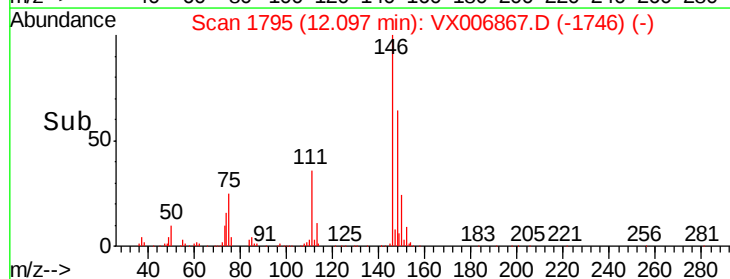
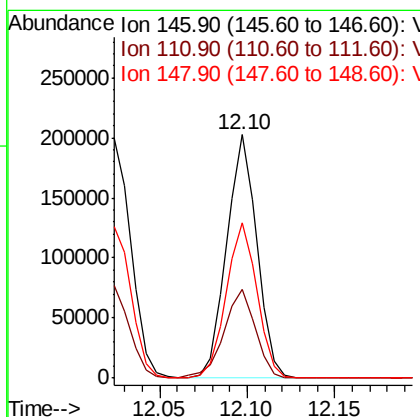
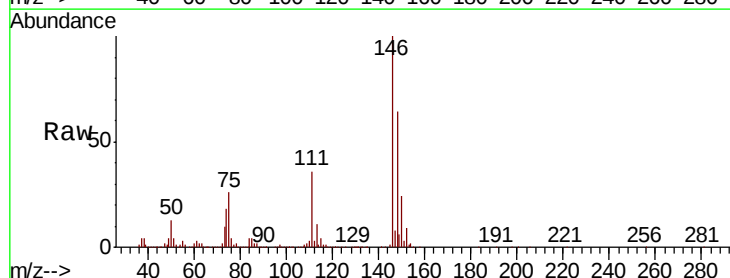
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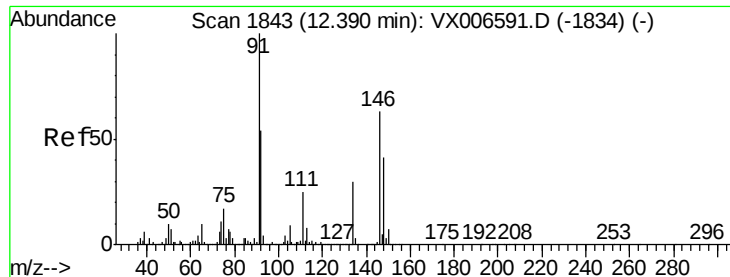
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#88
 1,4-Dichlorobenzene
 Concen: 19.703 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.1
148	64.6	31.9	95.9





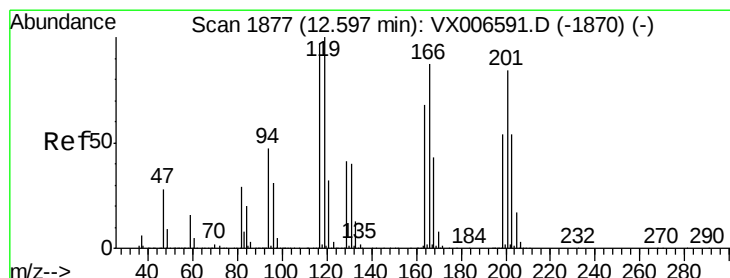
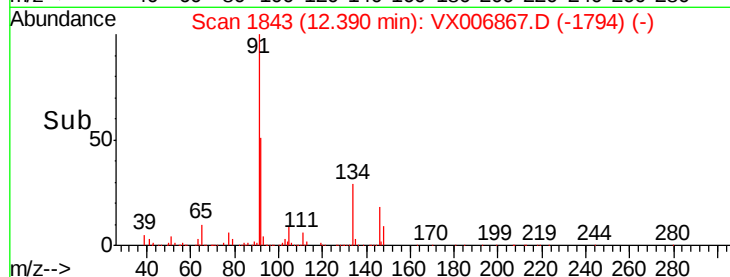
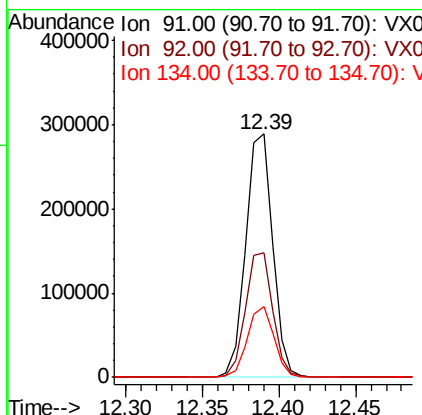
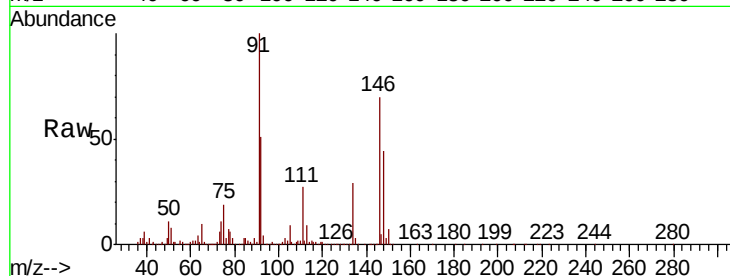
#89
n-Butylbenzene
Concen: 18.918 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.8	80.4
134	28.7	14.4	43.2

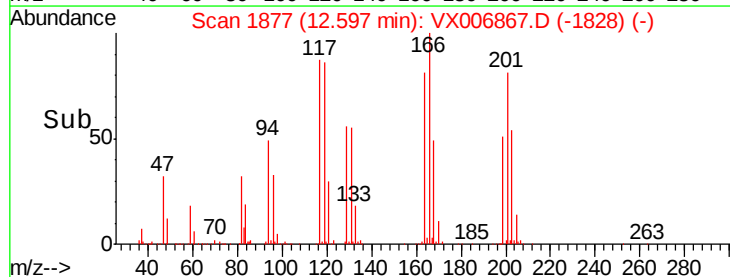
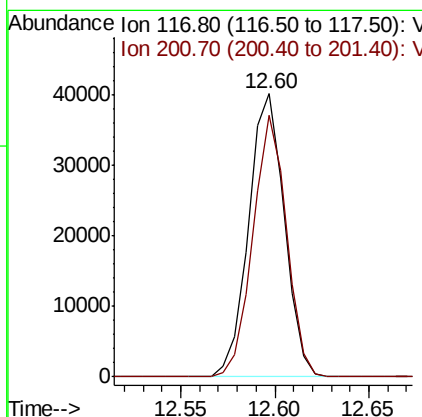
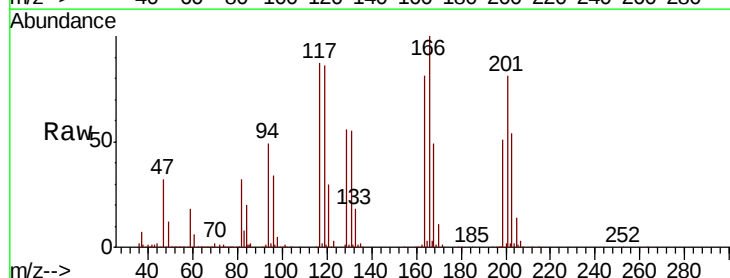
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#90
Hexachloroethane
Concen: 17.614 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006867.D
Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	42.9	128.7





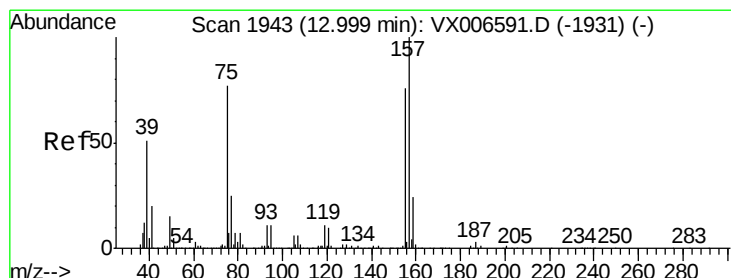
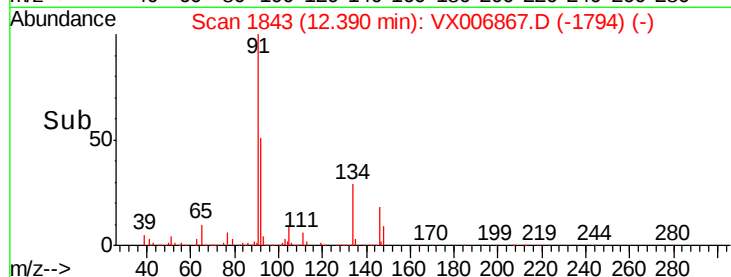
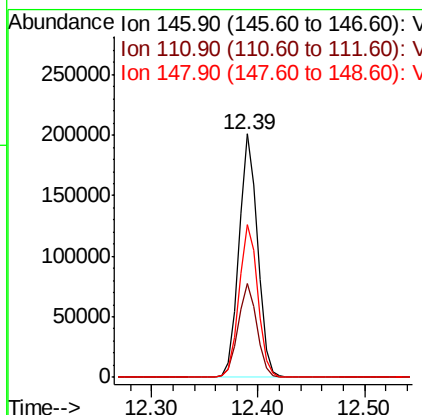
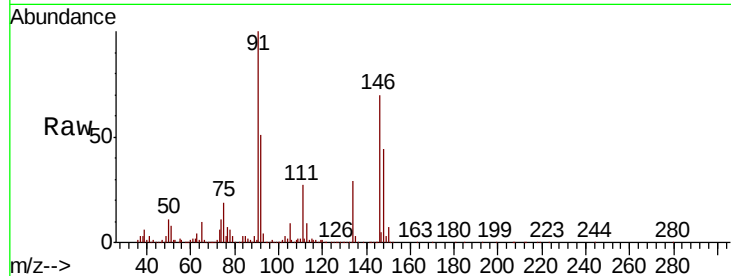
#91
 1,2-Dichlorobenzene
 Concen: 20.438 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	246591		
111	38.9	19.4	58.2	
148	63.3	32.3	96.9	

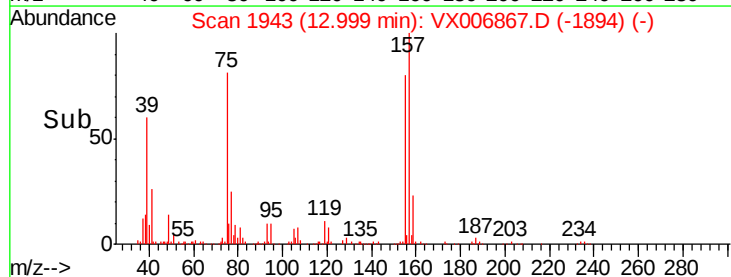
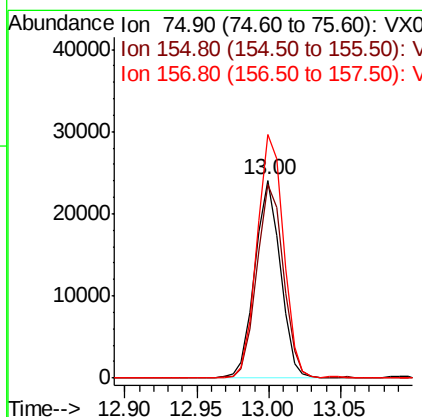
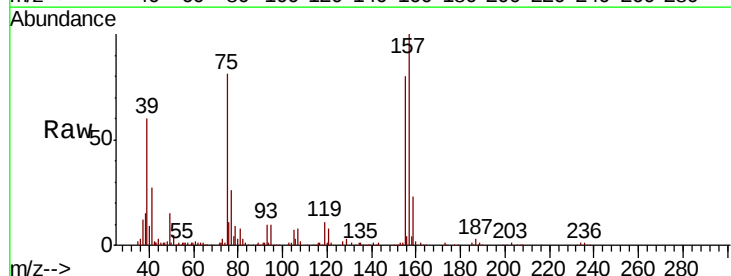
Manual Integrations
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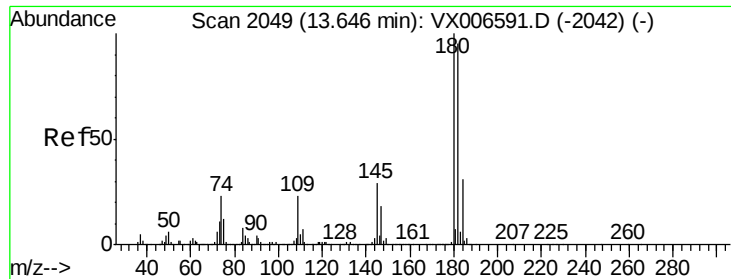
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.331 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29446		
155	102.3	50.6	151.8	
157	127.7	64.6	193.8	





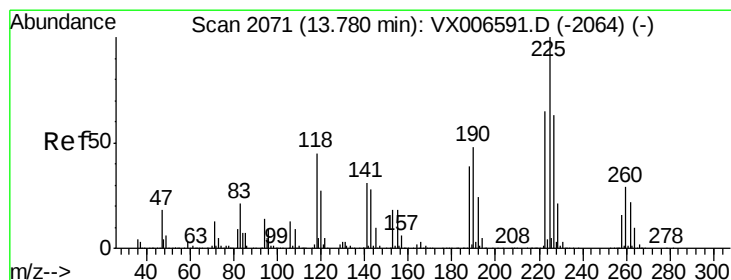
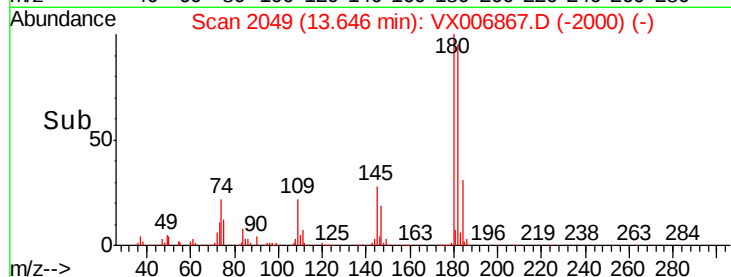
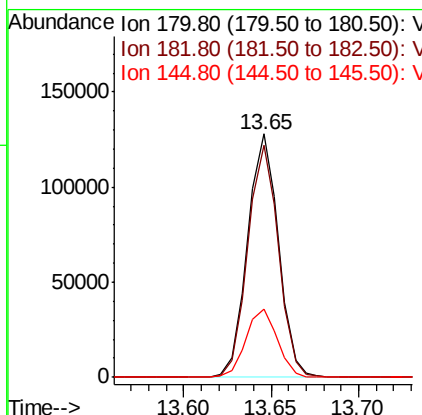
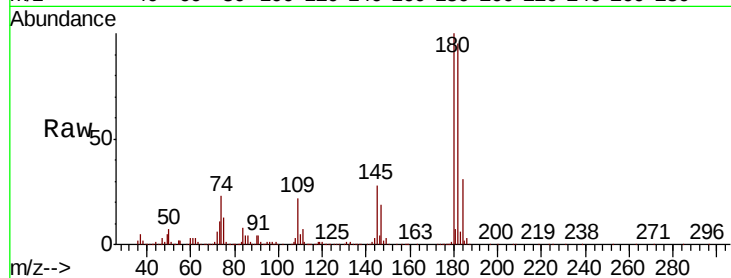
#93
 1,2,4-Trichlorobenzene
 Concen: 18.908 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	157368		
182	94.5	47.3	142.0	
145	28.5	14.8	44.3	

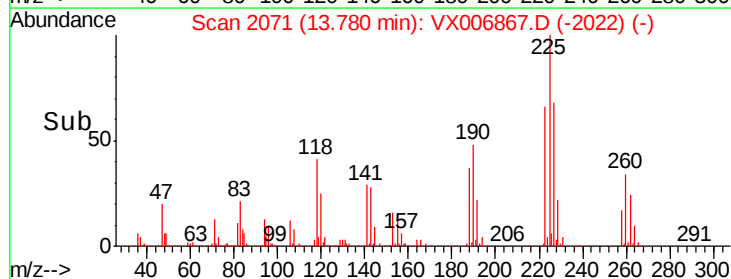
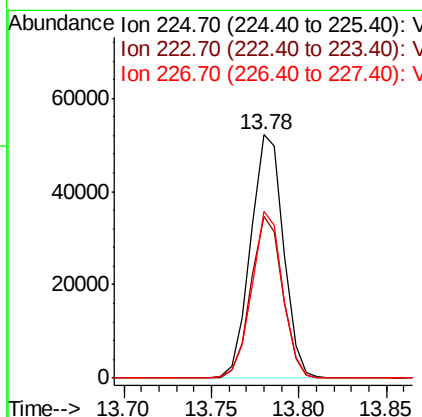
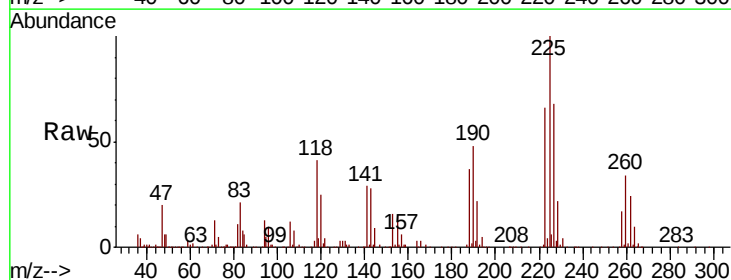
Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 10:47:06 AM



#94
 Hexachlorobutadiene
 Concen: 17.286 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006867.D
 Acq: 28 Dec 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67810		
223	64.0	32.1	96.3	
227	64.5	32.3	96.8	





#95

Naphthalene

Concen: 18.820 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Instrument :

MSVOA_X

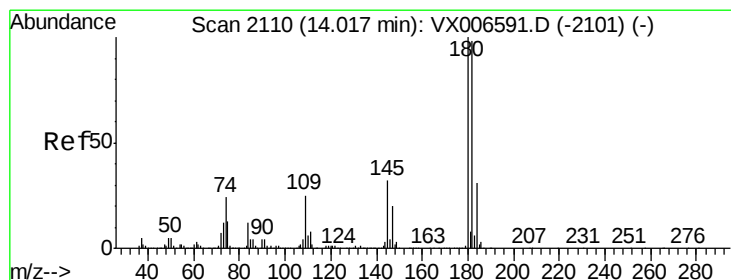
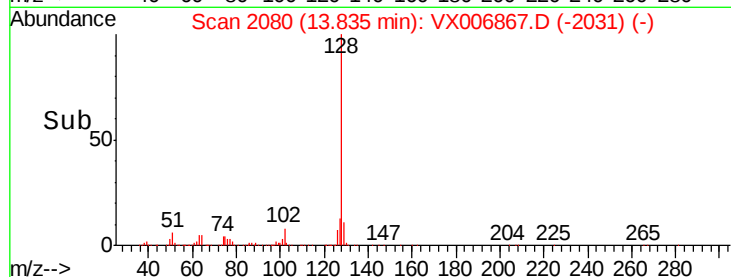
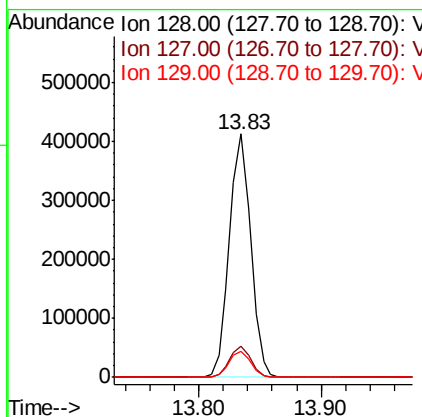
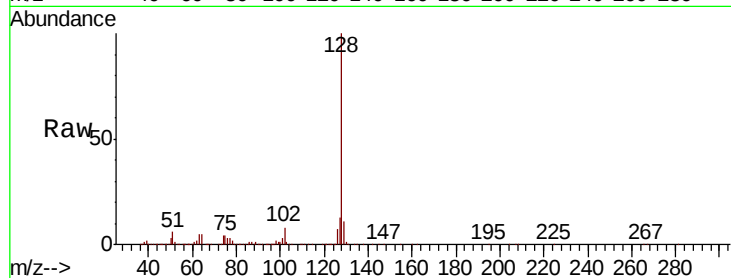
ClientSampleId :

VX1228MBS01

Tot Ion:	128	Resp:	499919
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/2/2019 10:47:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.213 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006867.D

Acq: 28 Dec 2018 17:53

Tgt Ion:	180	Resp:	156507
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.5	145.5
145	30.6	16.0	47.9

