

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122818\
 Data File : VX006861.D
 Acq On : 28 Dec 2018 15:13
 Operator : JC/MD
 Sample : VX1228MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBS01

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 10:46:51 AM

Quant Time: Dec 29 00:23:37 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	544049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	804178	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	728092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	363211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	294684	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	5.50	113	262628	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	8.71	98	976513	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.13	95	349385	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	79465	15.966	ug/l	95
3) Chloromethane	1.33	50	89897	16.765	ug/l	98
4) Vinyl Chloride	1.41	62	99461	17.760	ug/l	100
5) Bromomethane	1.64	94	99303	17.766	ug/l	96
6) Chloroethane	1.72	64	66514	17.153	ug/l	98
7) Trichlorofluoromethane	1.93	101	165241	18.925	ug/l	94
8) Diethyl Ether	2.19	74	66432	19.156	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	96988	18.919	ug/l	99
10) Methyl Iodide	2.51	142	127332	17.352	ug/l	100
11) Tert butyl alcohol	3.07	59	137076	104.752	ug/l	97
12) 1,1-Dichloroethene	2.37	96	90211	18.558	ug/l	98
13) Acrolein	2.30	56	82679	93.658	ug/l	99
14) Allyl chloride	2.73	41	152503	18.639	ug/l	98
15) Acrylonitrile	3.15	53	295675	101.766	ug/l	100
16) Acetone	2.45	43	247274	91.791	ug/l	99
17) Carbon Disulfide	2.57	76	186294	14.482	ug/l	98
18) Methyl Acetate	2.78	43	188008	23.734	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	330385	20.478	ug/l	99
20) Methylene Chloride	2.85	84	110256	19.793	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	95215	17.679	ug/l	98
22) Diisopropyl ether	3.87	45	310173	20.722	ug/l	93
23) Vinyl Acetate	3.82	43	1212023	98.990	ug/l	99
24) 1,1-Dichloroethane	3.70	63	167452	18.740	ug/l	99
25) 2-Butanone	4.70	43	367522	96.990	ug/l	100
26) 2,2-Dichloropropane	4.58	77	113204	16.401	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	111902	18.831	ug/l	98
28) Bromochloromethane	5.02	49	70578	17.534	ug/l	95
29) Tetrahydrofuran	5.15	42	245473	98.357	ug/l	99
30) Chloroform	5.21	83	178702	19.312	ug/l	97
31) Cyclohexane	5.57	56	137309	16.915	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	143818	18.407	ug/l	98
36) 1,1-Dichloropropene	5.80	75	125006	18.768	ug/l	99
37) Ethyl Acetate	4.85	43	140075	20.206	ug/l	99
38) Carbon Tetrachloride	5.78	117	121337	18.745	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	140812	16.059	ug/l	94
40) Benzene	6.15	78	394581	19.490	ug/l	97
41) Methacrylonitrile	5.06	41	79548	21.613	ug/l	99
42) 1,2-Dichloroethane	6.20	62	137438	19.922	ug/l	99
43) Isopropyl Acetate	6.46	43	224634	21.297	ug/l	99
44) Trichloroethene	7.21	130	113469	18.517	ug/l	99
45) 1,2-Dichloropropane	7.52	63	100253	20.349	ug/l	100
46) Dibromomethane	7.66	93	69371	19.143	ug/l	96
47) Bromodichloromethane	7.90	83	116801	19.414	ug/l	99
48) Methyl methacrylate	7.77	41	115658	21.562	ug/l	98
49) 1,4-Dioxane	7.75	88	57191	395.492	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	726835	108.301	ug/l	100
52) Toluene	8.79	92	254385	19.449	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	121827	18.880	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	141756	20.022	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	111812	20.885	ug/l	98
56) Ethyl methacrylate	9.18	69	160491	21.210	ug/l	98
57) 1,3-Dichloropropane	9.37	76	174051	20.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	391910	97.436	ug/l	100
59) 2-Hexanone	9.49	43	542612	105.671	ug/l	99
60) Dibromochloromethane	9.59	129	96362	18.734	ug/l	100
61) 1,2-Dibromoethane	9.67	107	115339	20.267	ug/l	99
64) Tetrachloroethene	9.34	164	107728	18.685	ug/l	97
65) Chlorobenzene	10.14	112	301016	19.542	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	101199	21.058	ug/l	99
67) Ethyl Benzene	10.25	91	485560	19.291	ug/l	99
68) m/p-Xylenes	10.36	106	381148	38.375	ug/l	100
69) o-Xylene	10.70	106	185042	18.867	ug/l	95
70) Styrene	10.71	104	298351	19.228	ug/l	98
71) Bromoform	10.86	173	70120	19.193	ug/l #	99
73) Isopropylbenzene	11.02	105	491398	19.776	ug/l	99
74) N-amyl acetate	10.90	43	199603	22.442	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	160736	21.751	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	145397m	21.540	ug/l	
77) Bromobenzene	11.26	156	136281	20.287	ug/l	99
78) n-propylbenzene	11.36	91	541763	19.799	ug/l	100
79) 2-Chlorotoluene	11.42	91	327707	19.763	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	400847	19.586	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	34407	18.432	ug/l #	85
82) 4-Chlorotoluene	11.51	91	375177	19.725	ug/l	100
83) tert-Butylbenzene	11.77	119	402685	19.659	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	413061	19.188	ug/l	99
85) sec-Butylbenzene	11.94	105	471164	18.761	ug/l	100
86) p-Isopropyltoluene	12.06	119	419843	19.018	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	235430	19.446	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	237691	19.151	ug/l	99
89) n-Butylbenzene	12.38	91	345464	18.387	ug/l	98
90) Hexachloroethane	12.60	117	55829	18.388	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	238033	19.654	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29182	19.085	ug/l	98

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VX1228MBS01

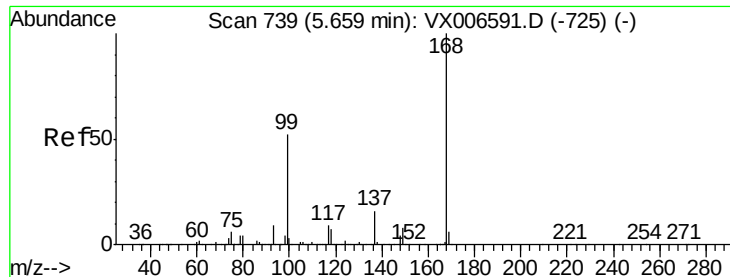
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	152110	18.207	ug/l	100
94) Hexachlorobutadiene	13.78	225	64788	16.453	ug/l	98
95) Naphthalene	13.83	128	483326	18.127	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149239	17.302	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion:168 Resp: 544049

Ion Ratio Lower Upper

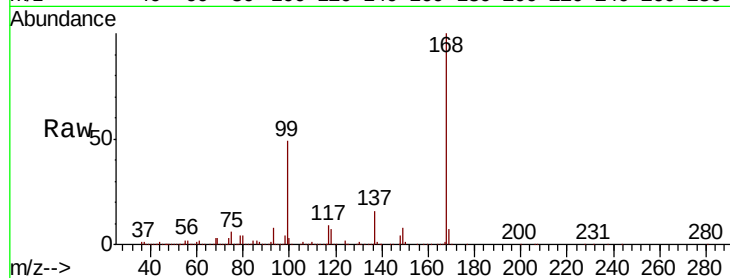
168 100

99 49.1 41.8 62.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

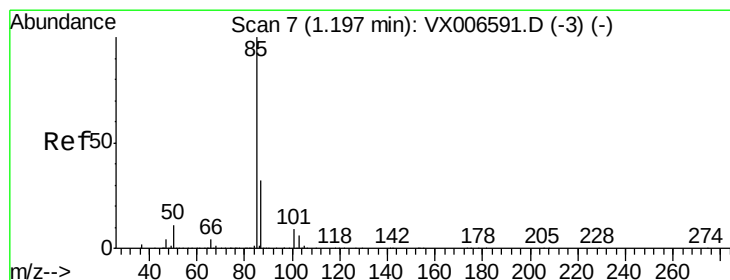
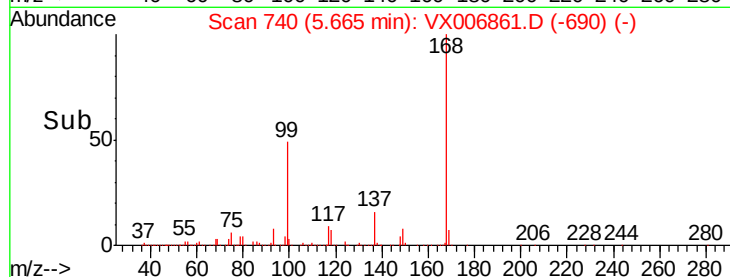
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 15.966 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006861.D

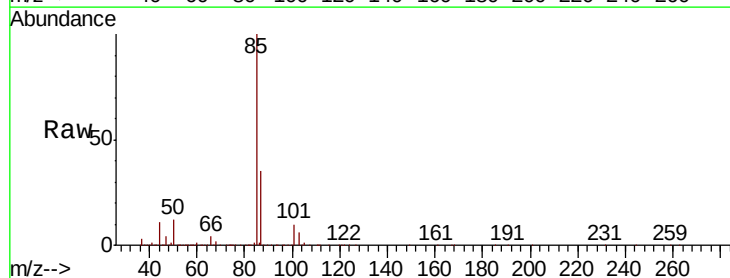
Acq: 28 Dec 2018 15:13

Tgt Ion: 85 Resp: 79465

Ion Ratio Lower Upper

85 100

87 34.6 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

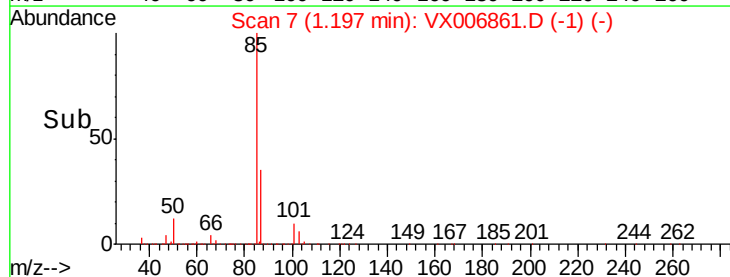
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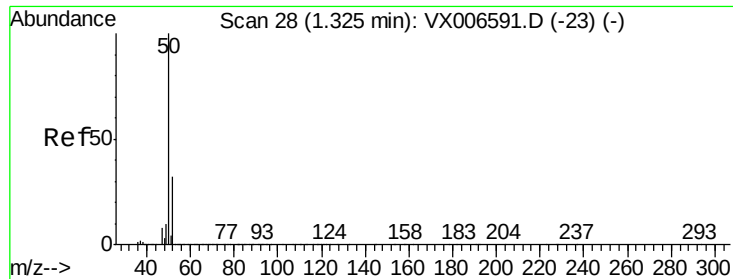
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 16.765 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 50 Resp: 89897

Ion Ratio Lower Upper

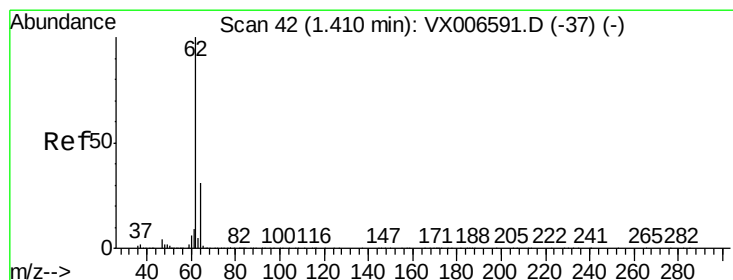
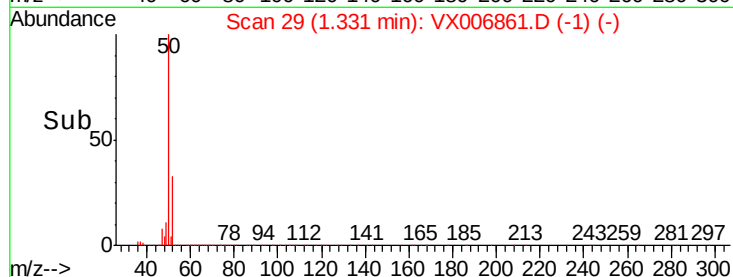
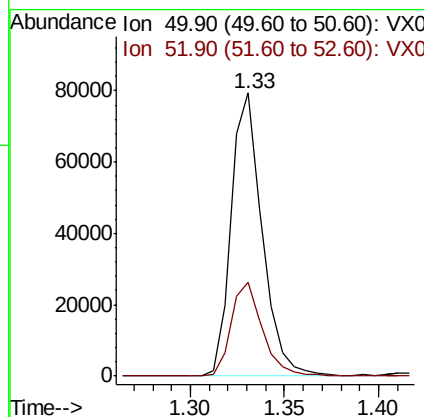
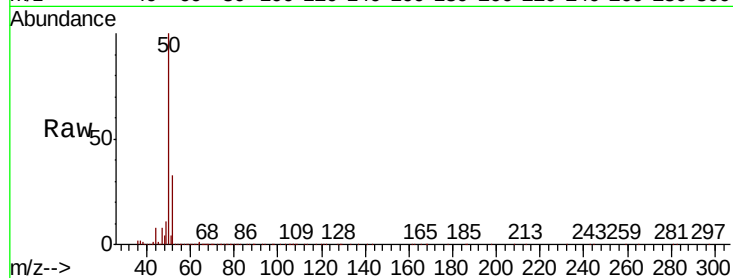
50 100

52 33.1 25.4 38.2

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#4

Vinyl Chloride

Concen: 17.760 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006861.D

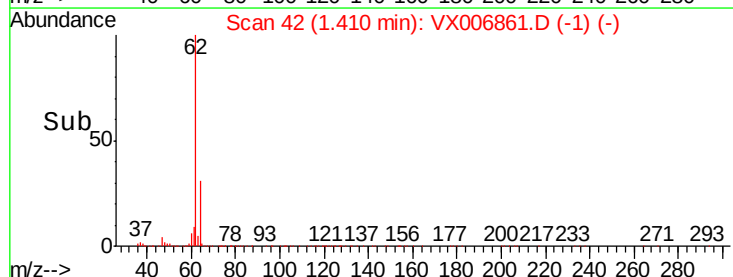
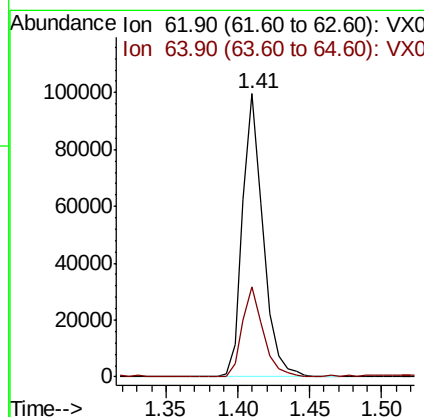
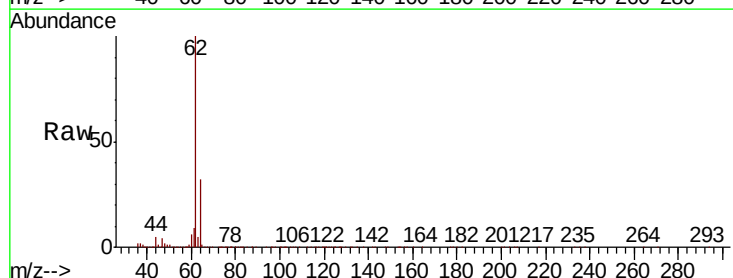
Acq: 28 Dec 2018 15:13

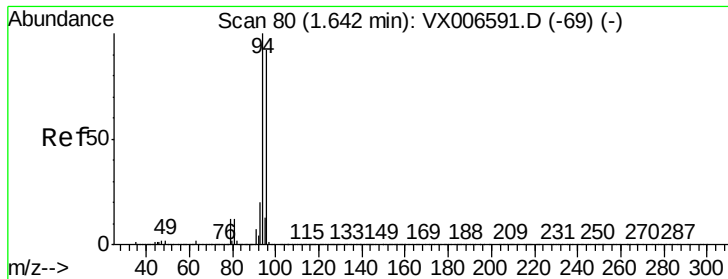
Tgt Ion: 62 Resp: 99461

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 17.766 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampled :

VX1228MBS01

Tot Ion: 94 Resp: 99303

Ion Ratio Lower Upper

94 100

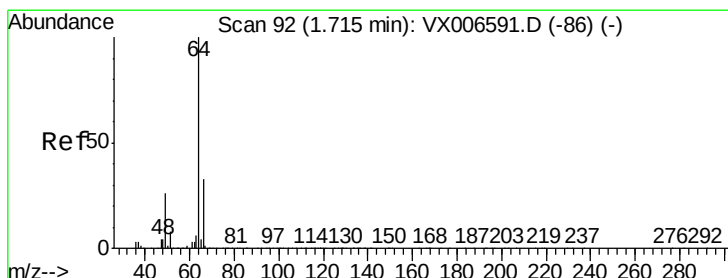
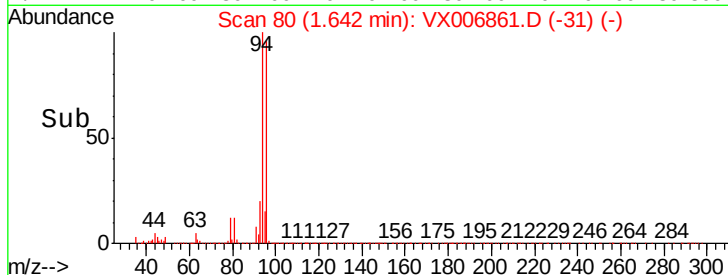
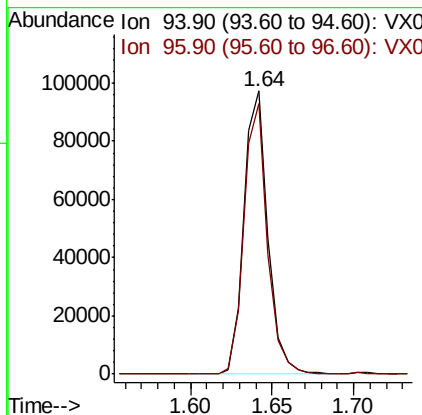
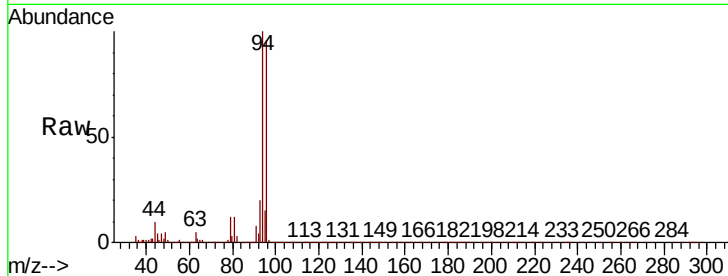
96 95.5 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 17.153 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006861.D

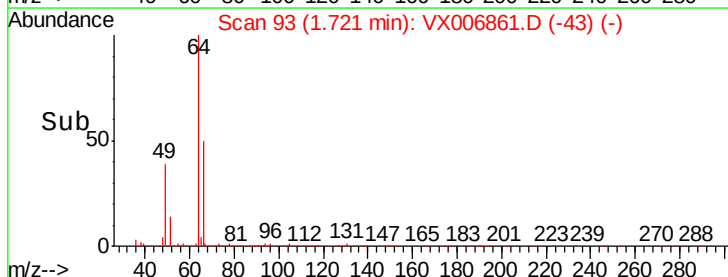
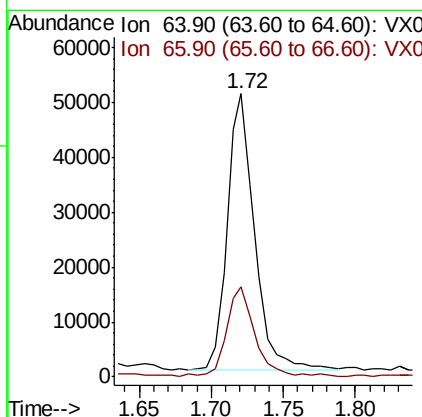
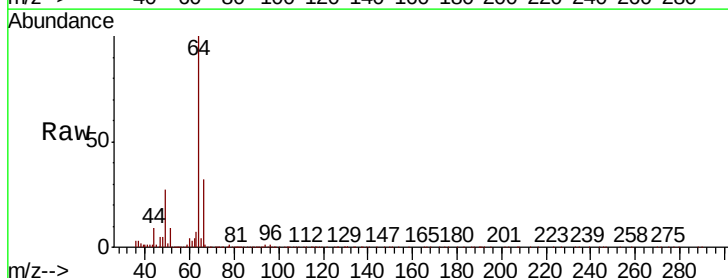
Acq: 28 Dec 2018 15:13

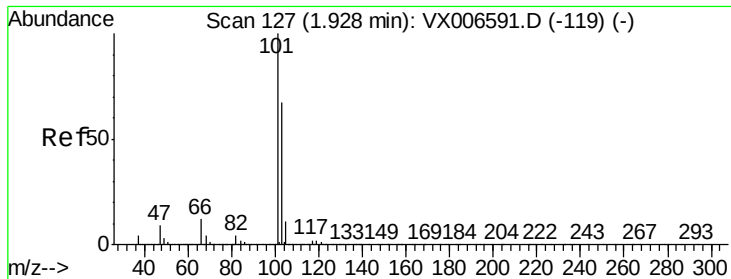
Tgt Ion: 64 Resp: 66514

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6





#7

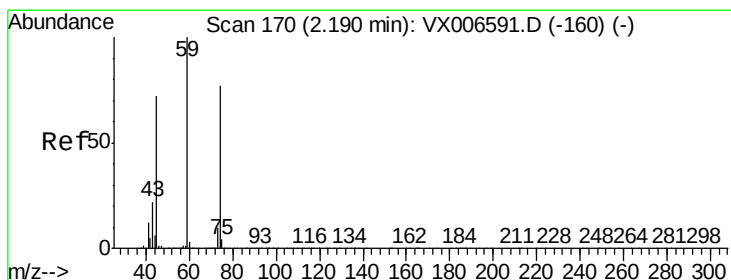
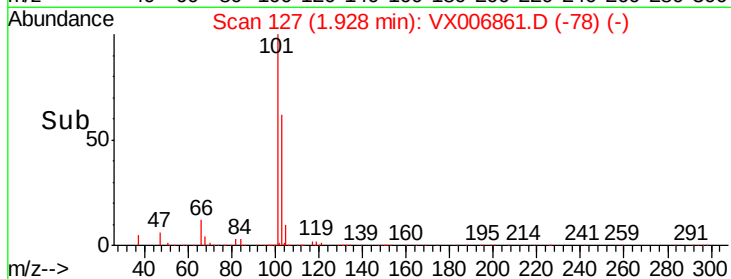
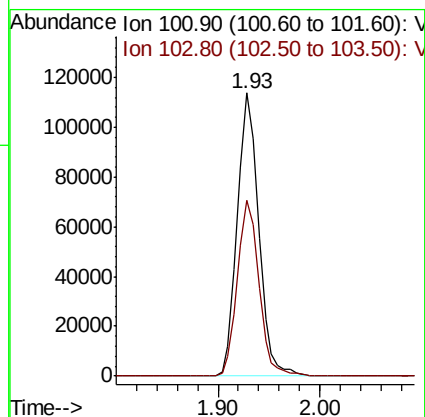
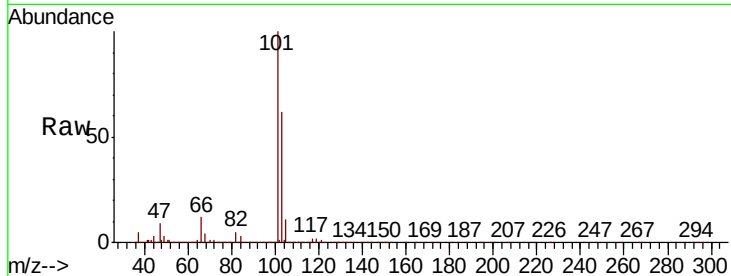
Trichlorofluoromethane
Concen: 18.925 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
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ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	53.2	79.8

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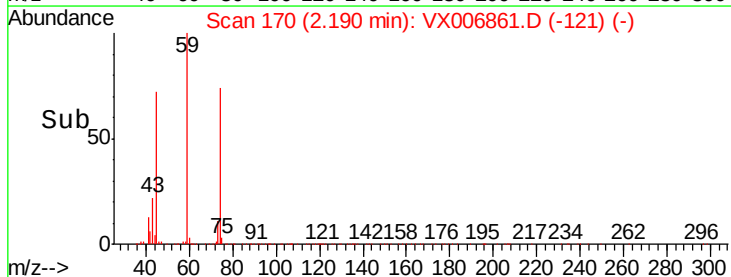
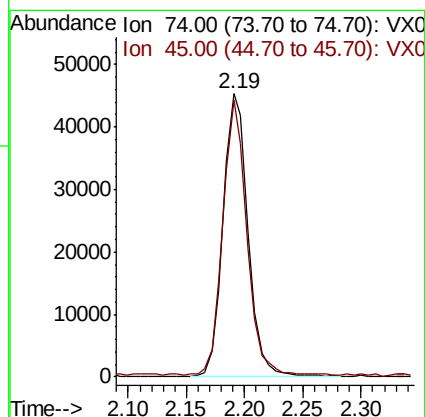
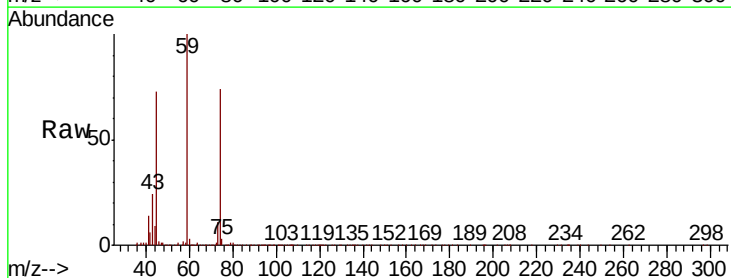
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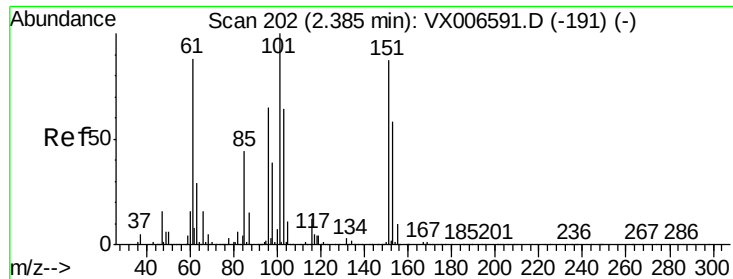


#8

Diethyl Ether
Concen: 19.156 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.919 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

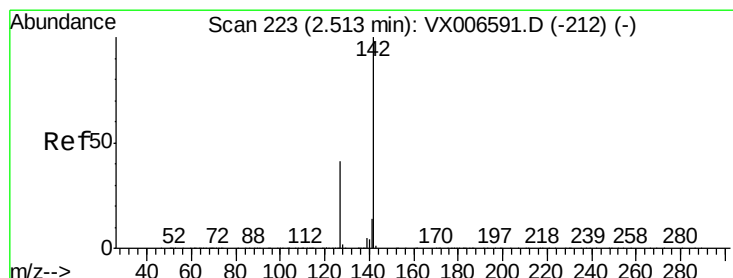
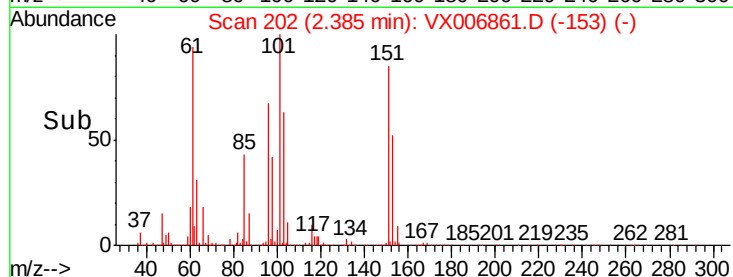
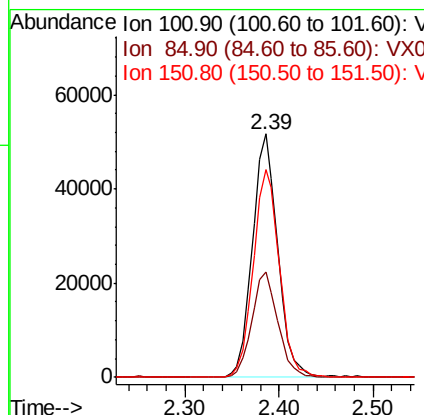
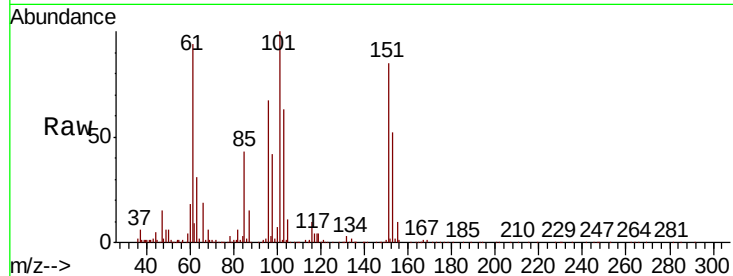
ClientSampleId :

VX1228MBS01

Tot Ion:	101	Resp:	96988
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.1	52.7
151	87.9	68.9	103.3

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#10

Methyl Iodide

Concen: 17.352 ug/l

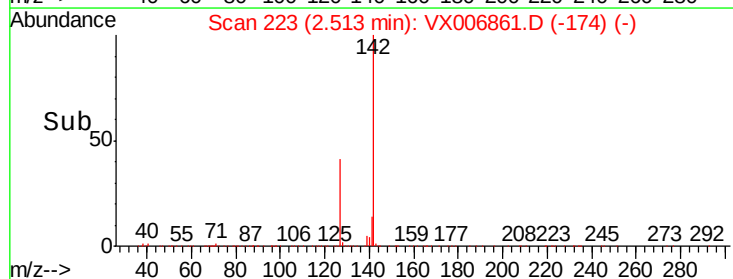
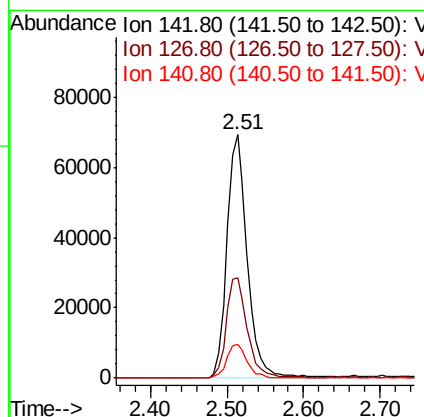
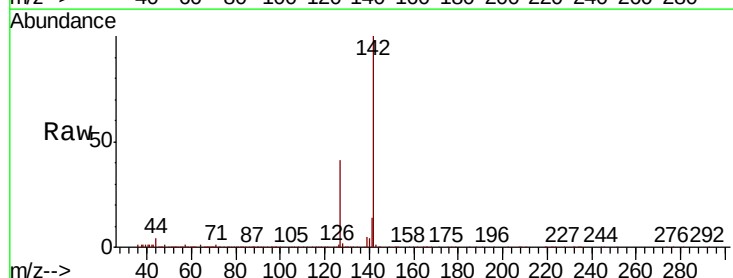
RT: 2.51 min Scan# 223

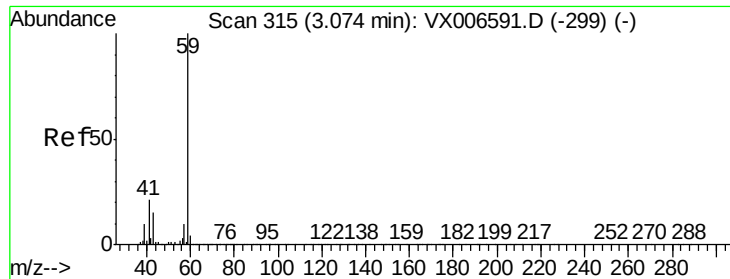
Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Tgt Ion:	142	Resp:	127332
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.9	50.9
141	14.1	11.4	17.0





#11

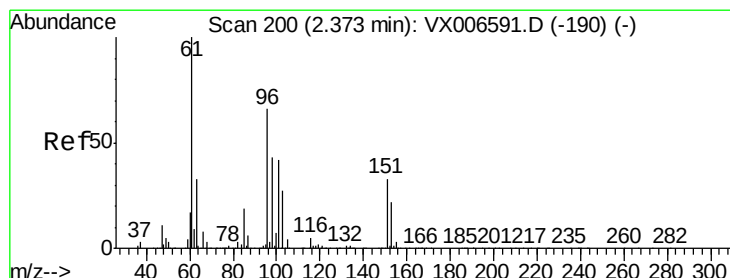
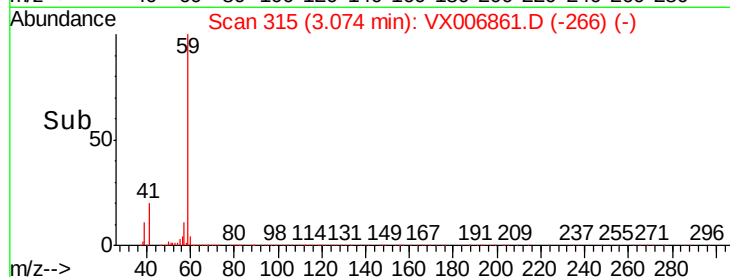
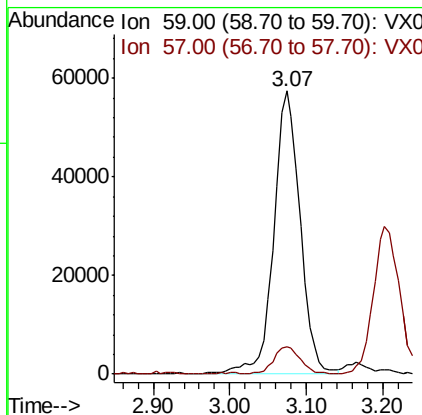
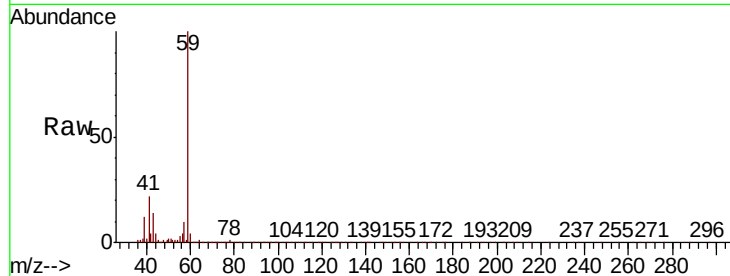
Tert butyl alcohol
Concen: 104.752 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.5	12.7

Manual Integrations
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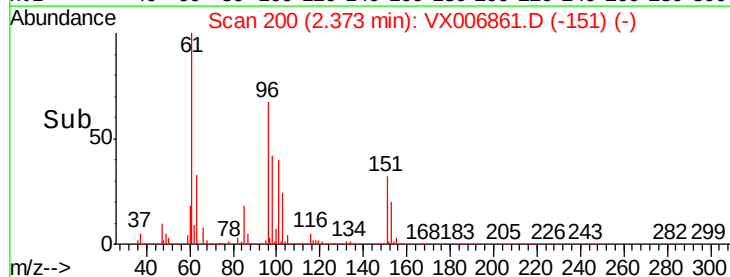
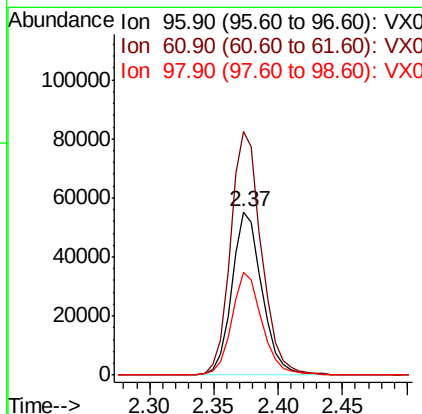
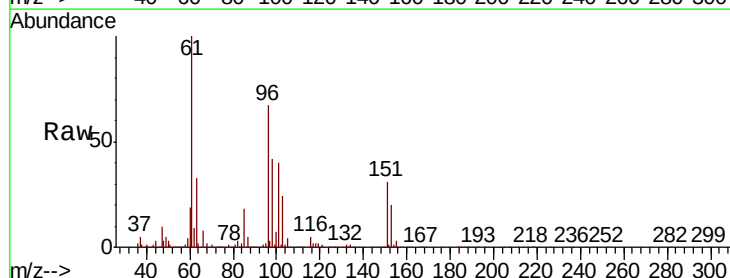
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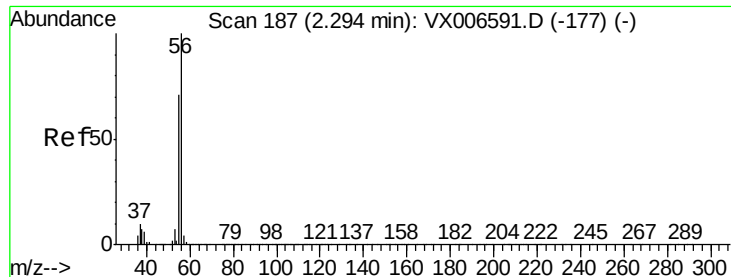


#12

1,1-Dichloroethene
Concen: 18.558 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.9	121.4	182.2
98	63.0	51.9	77.9





#13

Acrolein

Concen: 93.658 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 56 Resp: 82679

Ion Ratio Lower Upper

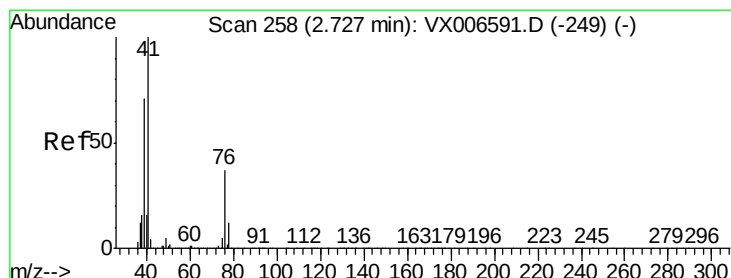
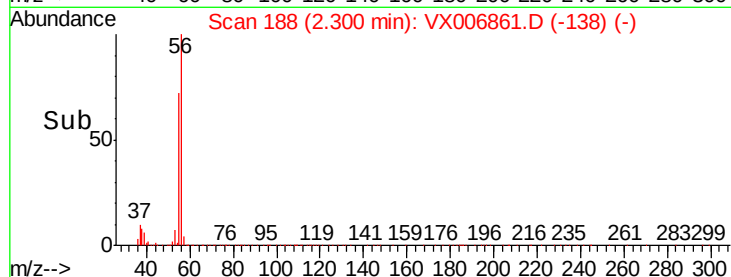
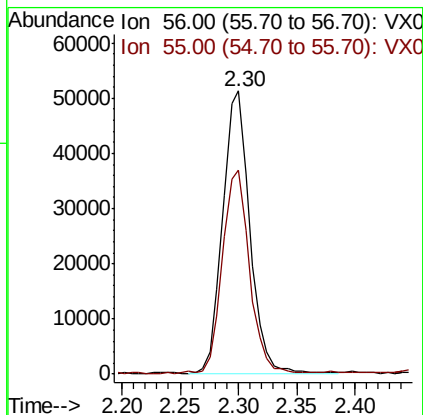
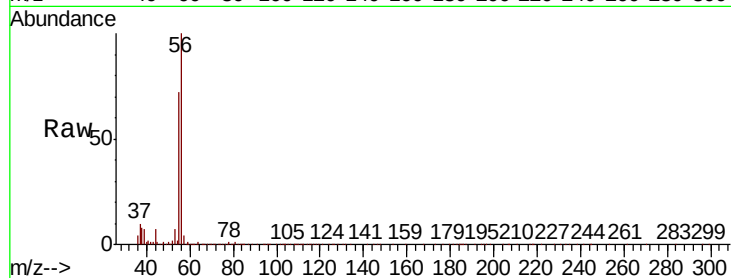
56 100

55 71.7 58.2 87.4

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#14

Allyl chloride

Concen: 18.639 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

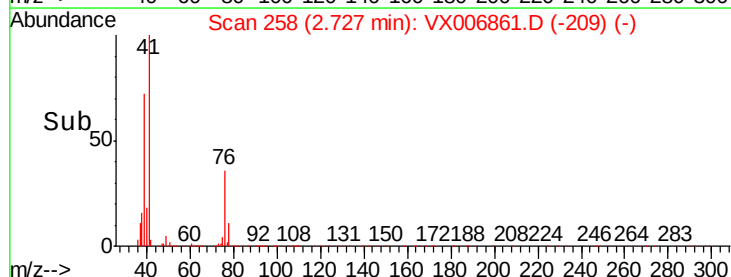
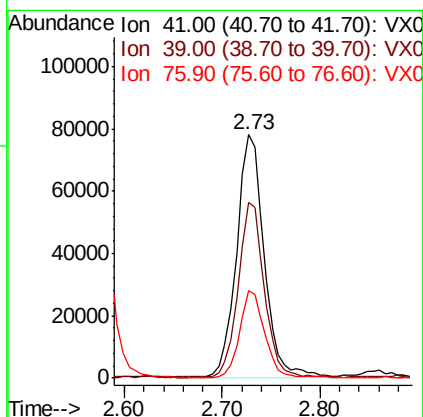
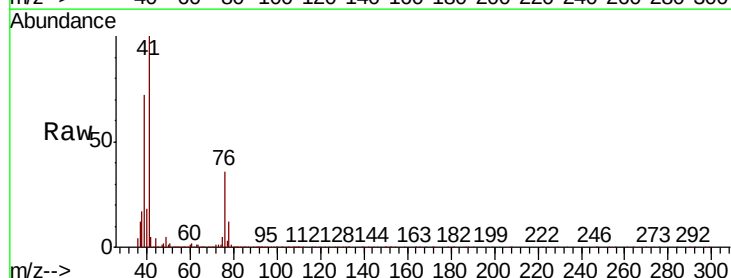
Tgt Ion: 41 Resp: 152503

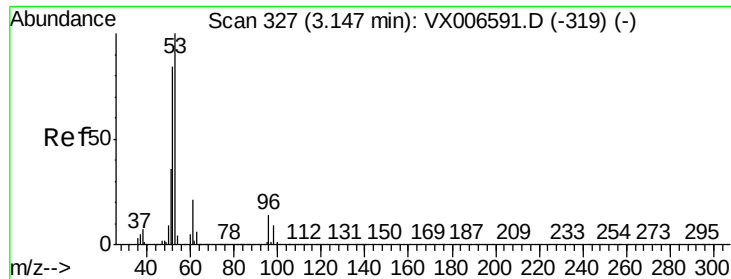
Ion Ratio Lower Upper

41 100

39 67.4 53.6 80.4

76 32.1 27.4 41.2





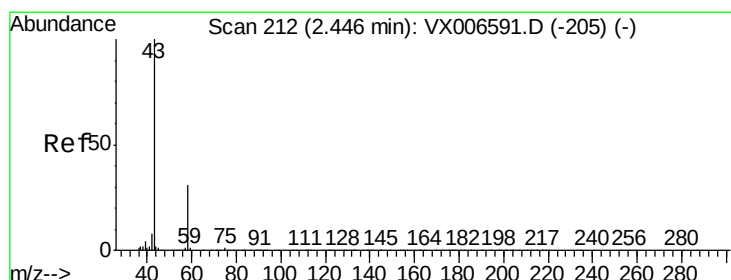
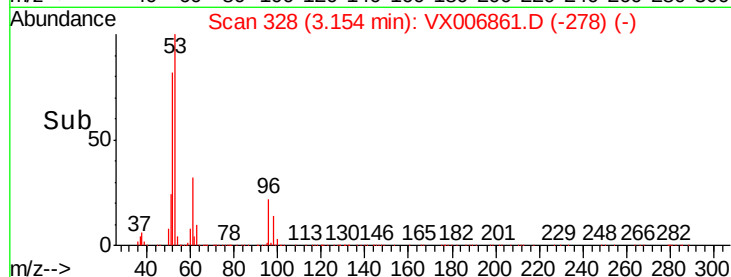
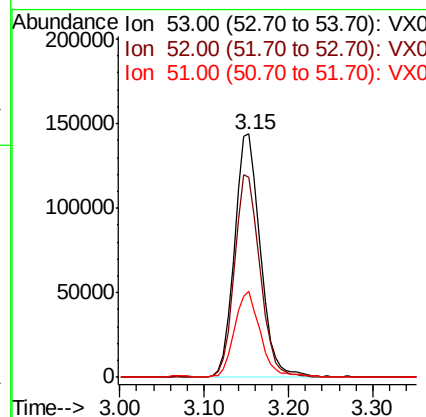
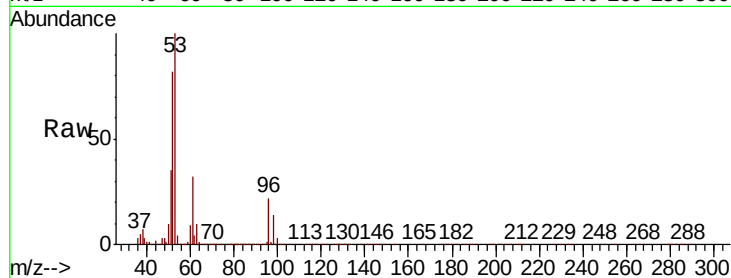
#15
 Acrylonitrile
 Concen: 101.766 ug/l
 RT: 3.15 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBS01

Tot Ion:	53	Resp:	295675
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.0	99.0
51	35.6	28.6	42.8

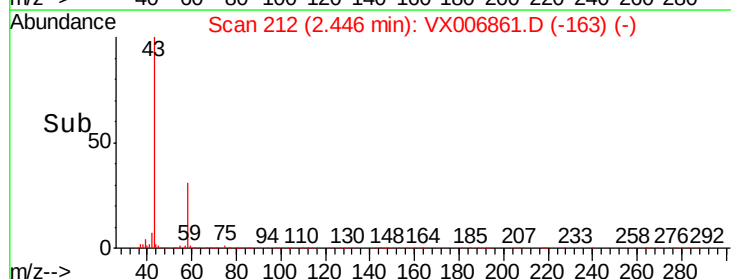
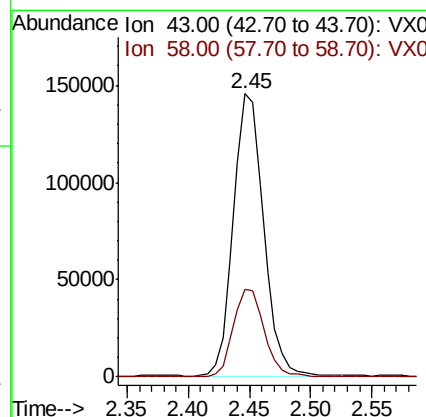
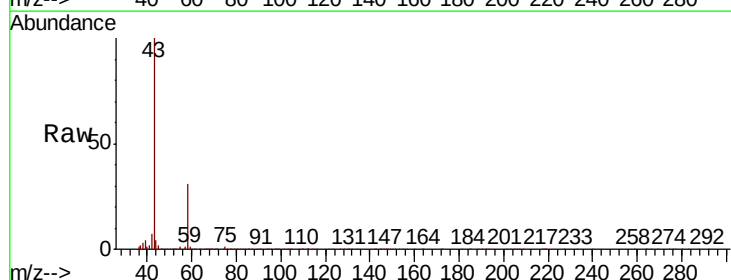
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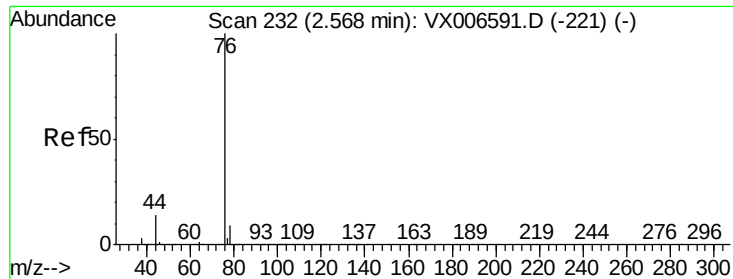
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#16
 Acetone
 Concen: 91.791 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Tgt Ion:	43	Resp:	247274
Ion Ratio		Lower	Upper
43	100		
58	30.7	25.0	37.6





#17

Carbon Disulfide

Concen: 14.482 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 76 Resp: 186294

Ion Ratio Lower Upper

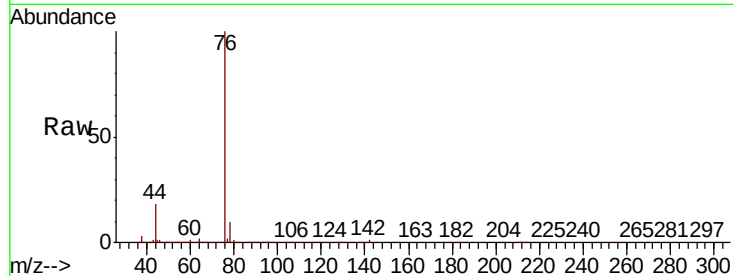
76 100

78 9.4 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

120000

100000

80000

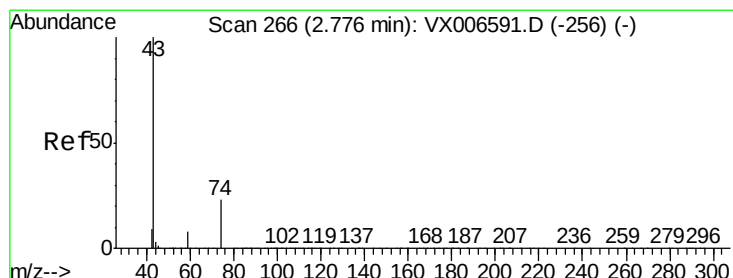
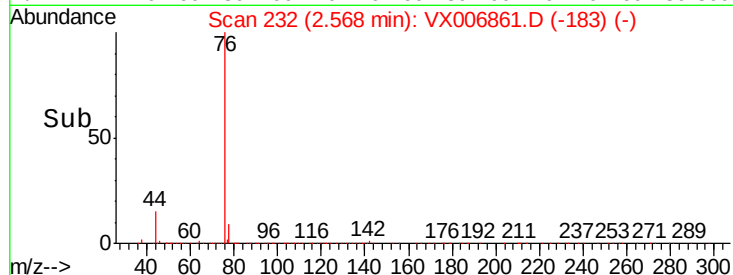
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 23.734 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006861.D

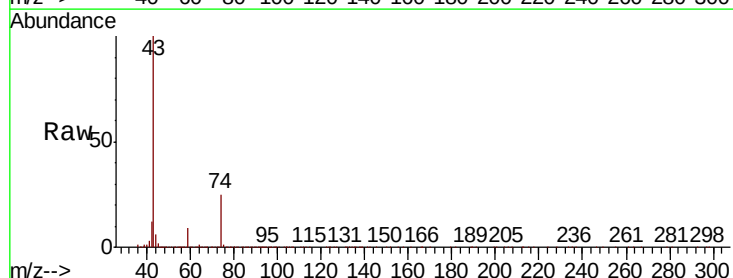
Acq: 28 Dec 2018 15:13

Tgt Ion: 43 Resp: 188008

Ion Ratio Lower Upper

43 100

74 24.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

120000

100000

80000

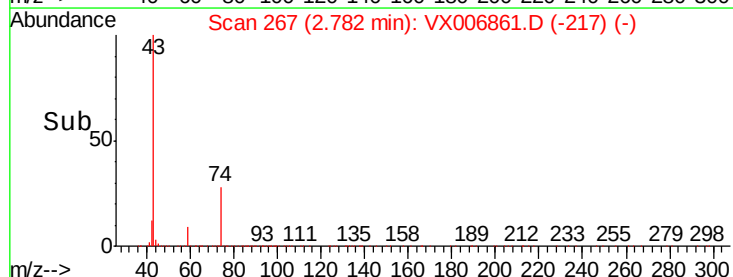
60000

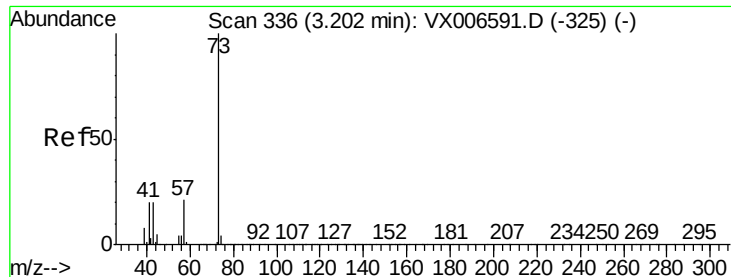
40000

20000

0

Time-->





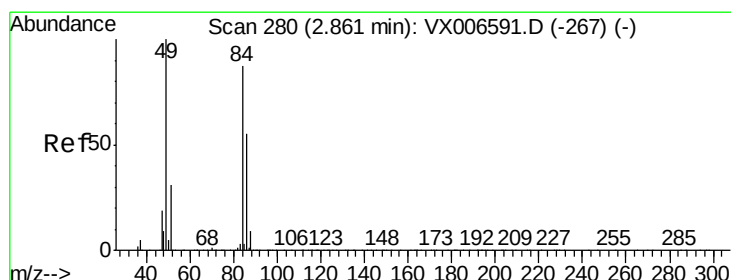
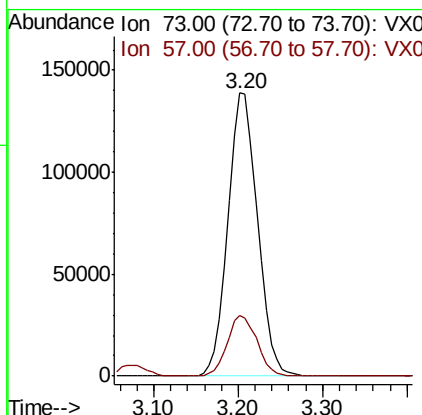
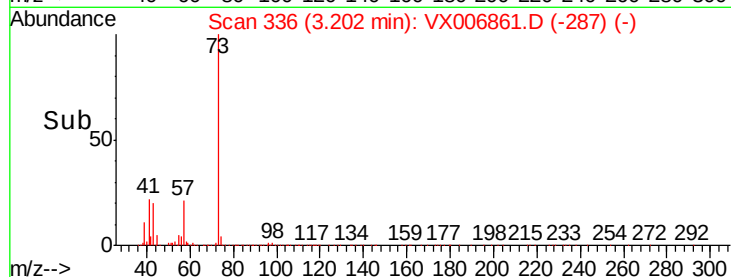
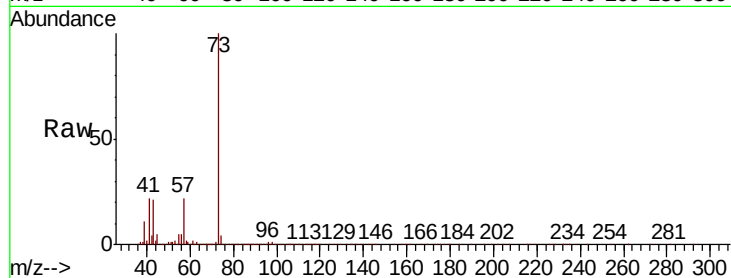
#19
Methyl tert-butyl Ether
Concen: 20.478 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.8	25.2

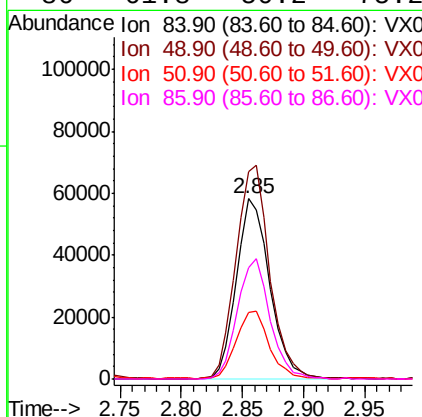
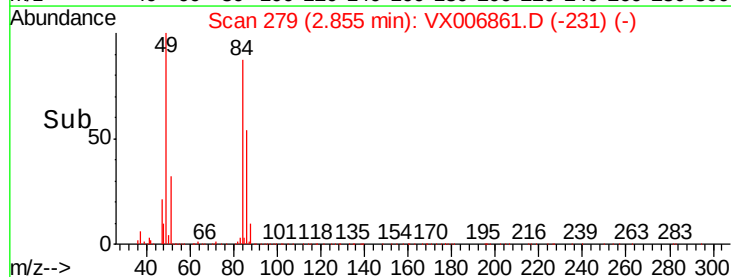
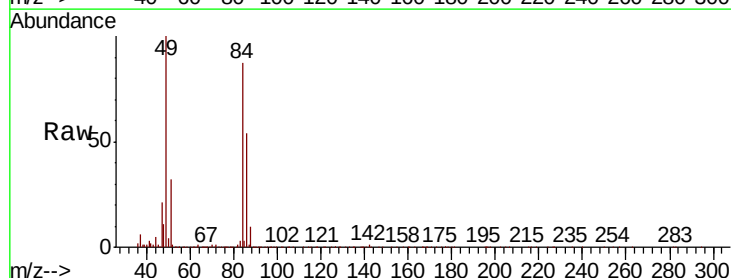
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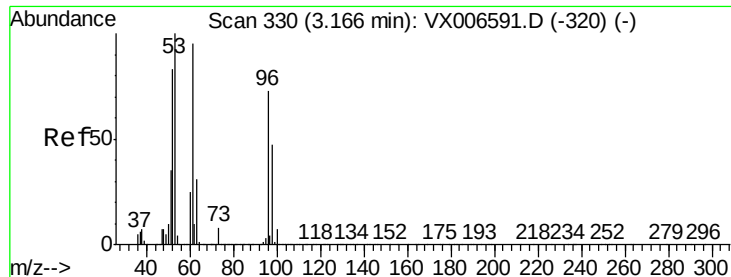
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#20
Methylene Chloride
Concen: 19.793 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.3	91.8	137.6
51	36.7	28.5	42.7
86	61.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 17.679 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

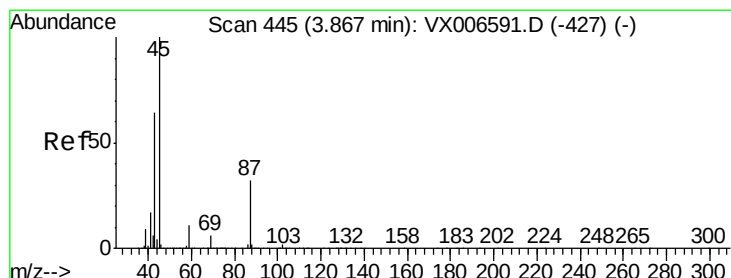
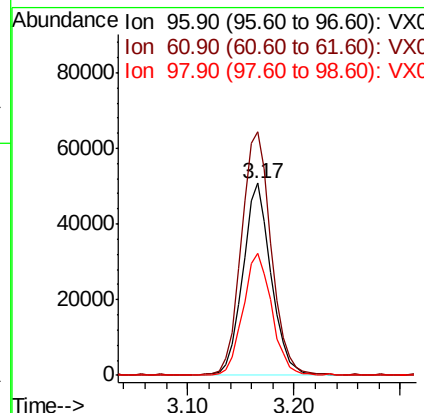
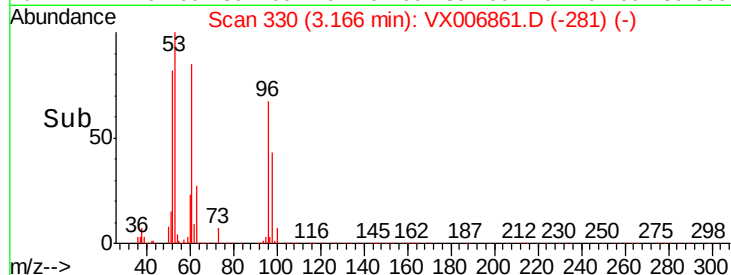
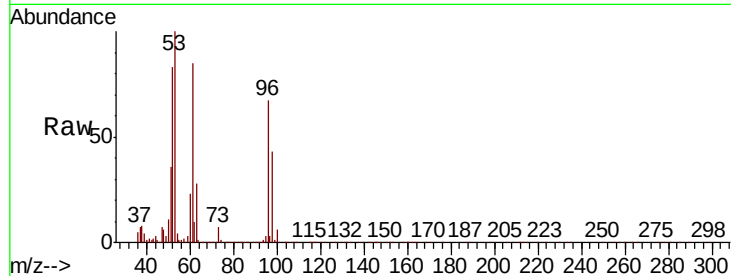
ClientSampleId :

VX1228MBS01

Tot Ion:	96	Resp:	95215
Ion	Ratio	Lower	Upper
96	100		
61	126.5	103.7	155.5
98	63.5	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.722 ug/l

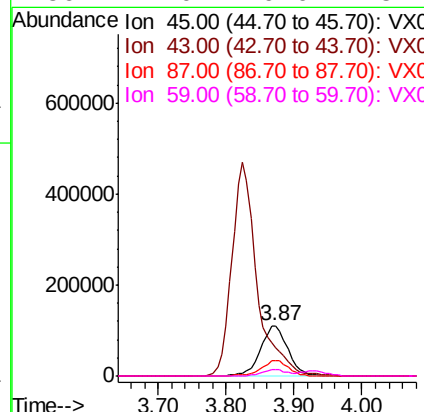
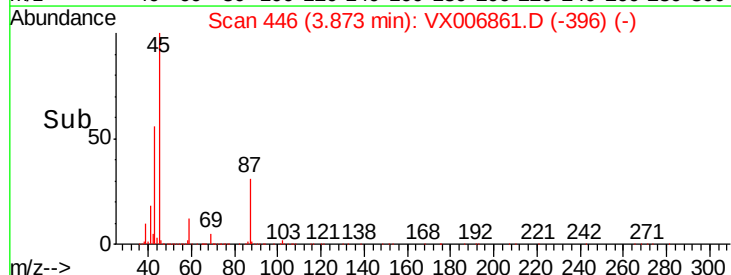
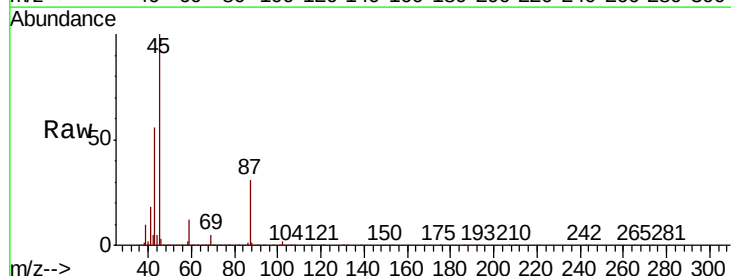
RT: 3.87 min Scan# 446

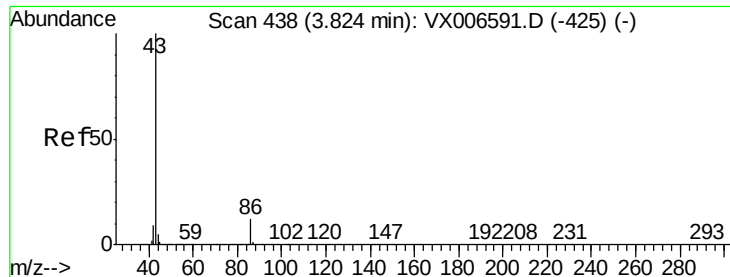
Delta R.T. 0.01 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Tgt Ion:	45	Resp:	310173
Ion	Ratio	Lower	Upper
45	100		
43	56.2	51.2	76.8
87	31.4	25.8	38.6
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 98.990 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampled :

VX1228MBS01

Tot Ion: 43 Resp: 1212023

Ion Ratio Lower Upper

43 100

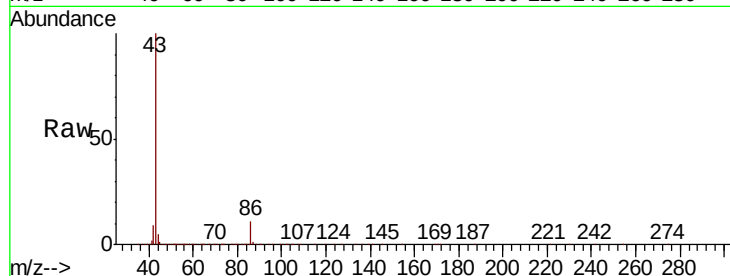
86 11.3 9.2 13.8

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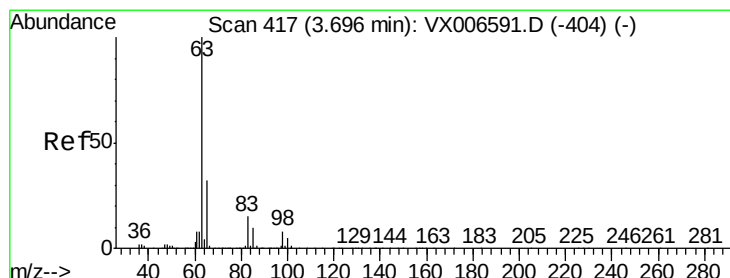
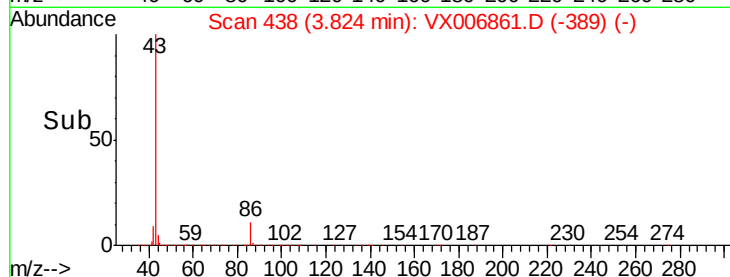
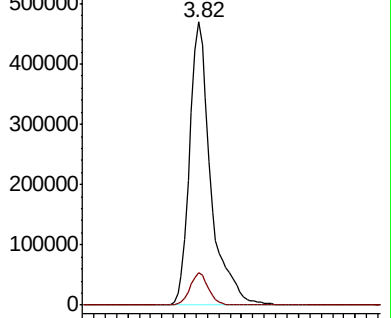
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.740 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

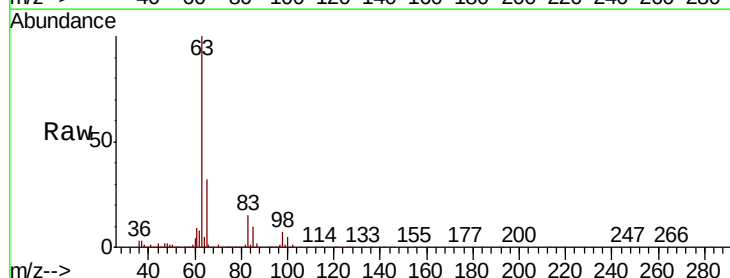
Tgt Ion: 63 Resp: 167452

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

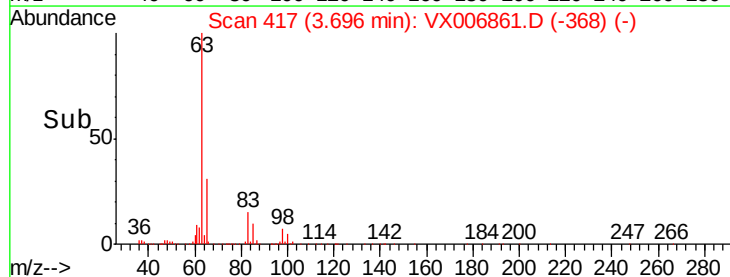
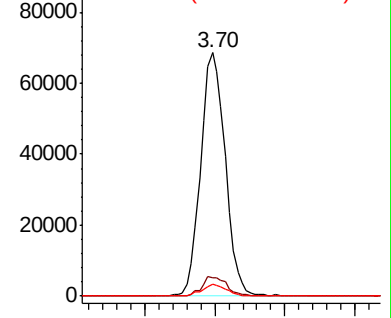
100 5.1 2.4 7.2

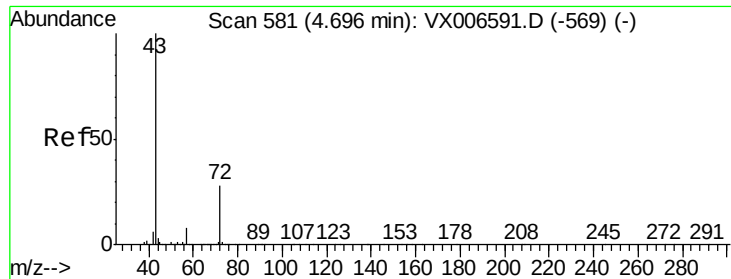


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.990 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampled :

VX1228MBS01

Tot Ion: 43 Resp: 367522

Ion Ratio Lower Upper

43 100

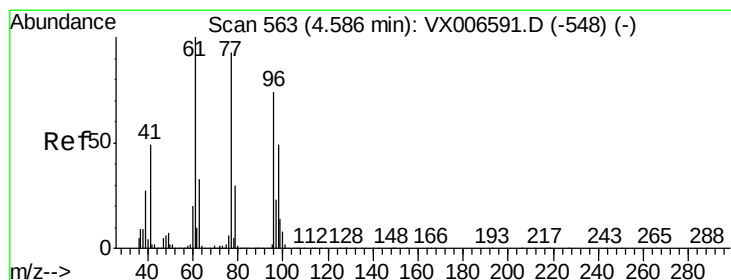
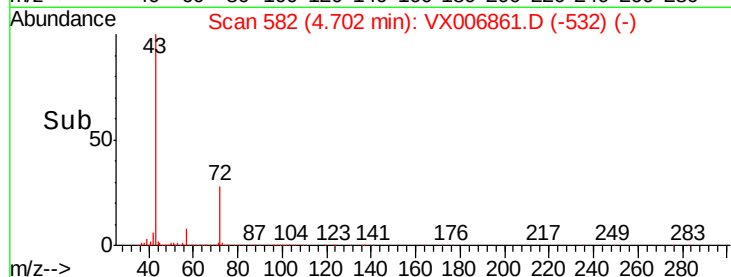
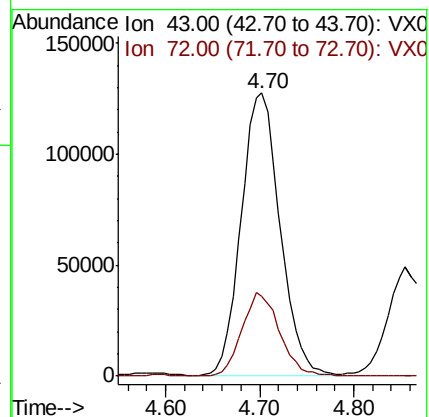
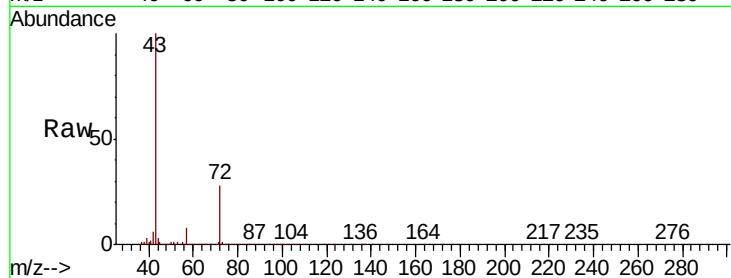
72 27.9 22.4 33.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.401 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006861.D

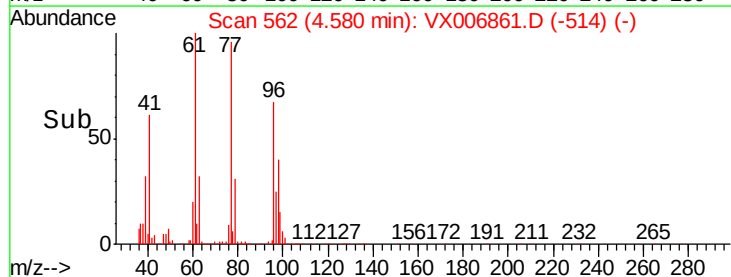
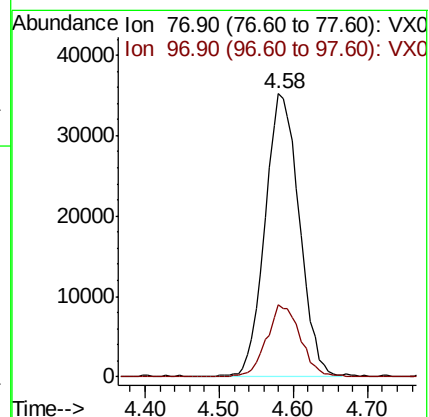
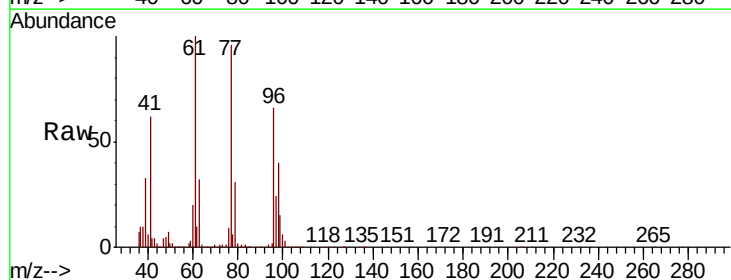
Acq: 28 Dec 2018 15:13

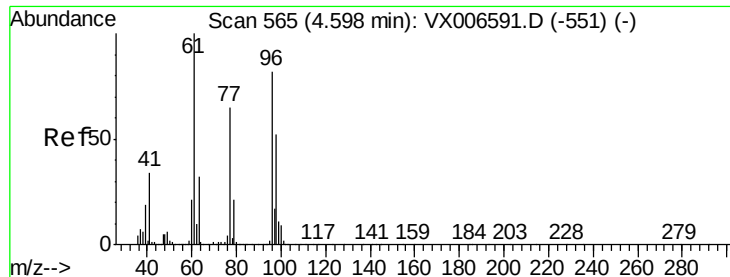
Tgt Ion: 77 Resp: 113204

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.4





#27

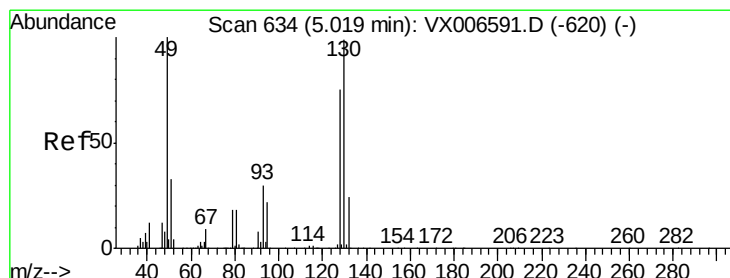
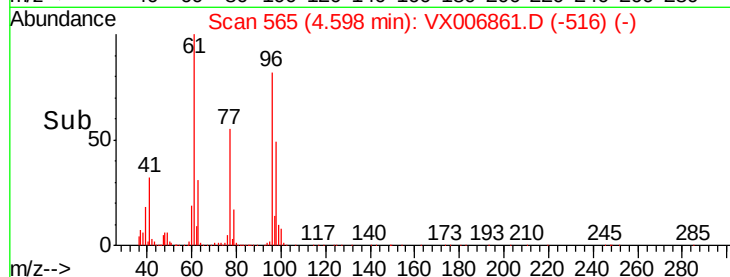
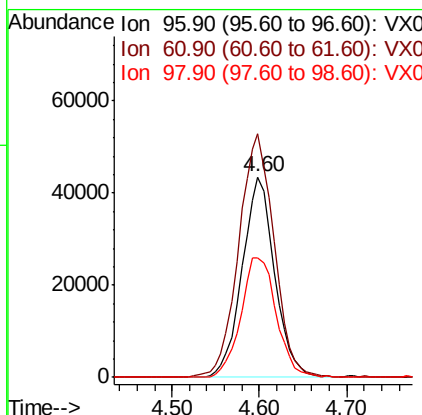
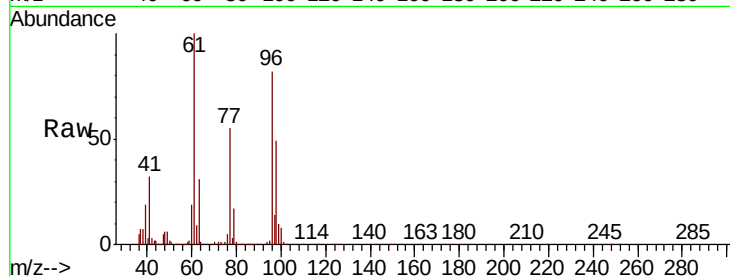
cis-1,2-Dichloroethene
Concen: 18.831 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	111902		
61	131.6	0.0	258.6	
98	65.4	0.0	132.0	

Manual Integrations
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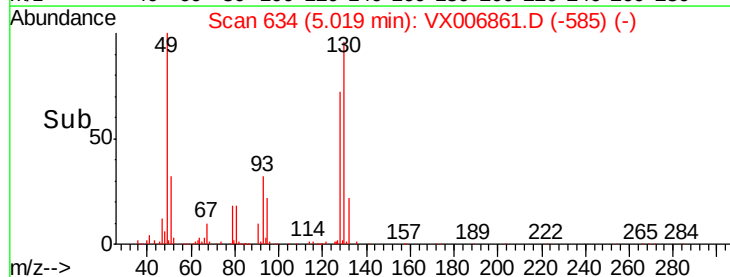
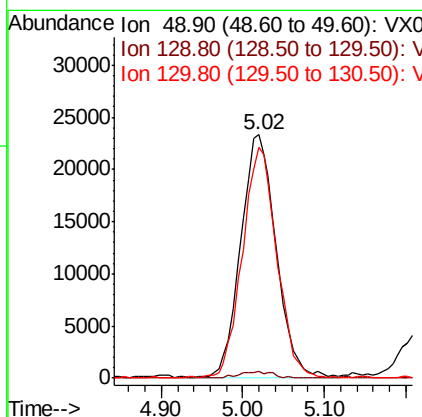
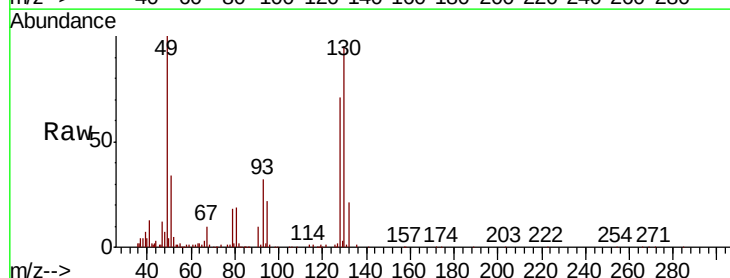
MMDadoda
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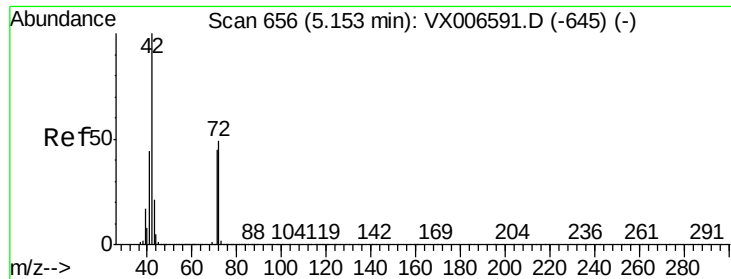


#28

Bromochloromethane
Concen: 17.534 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70578		
129	2.7	0.0	5.4	
130	92.3	77.7	116.5	





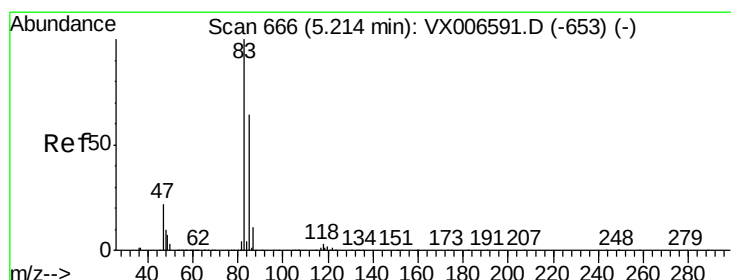
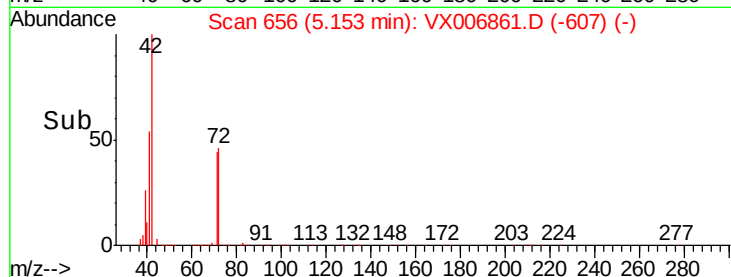
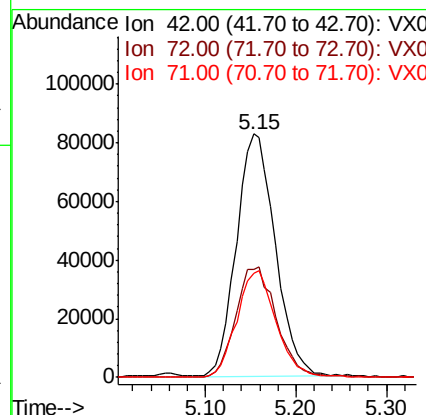
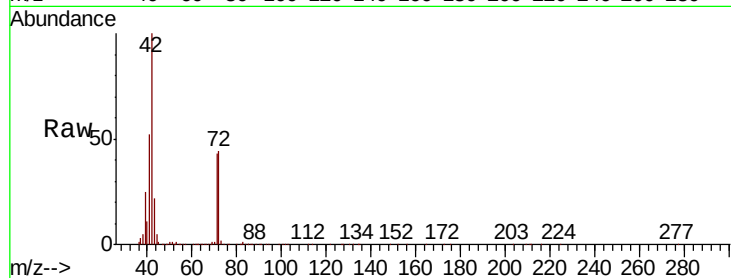
#29
Tetrahydrofuran
Concen: 98.357 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampled :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.9	58.3
71	44.2	36.2	54.4

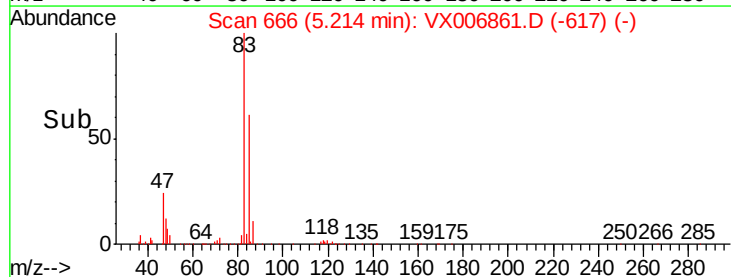
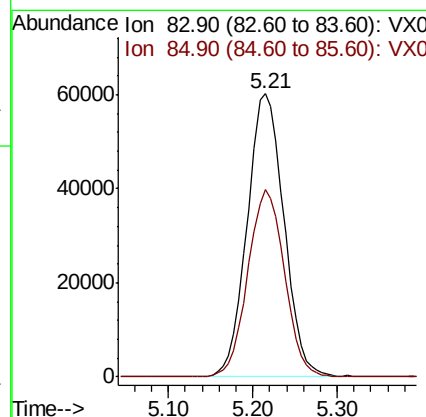
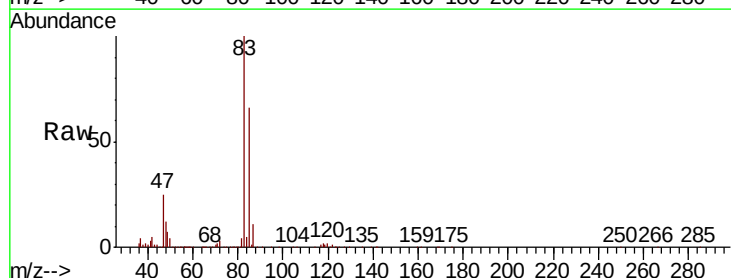
Manual Integrations
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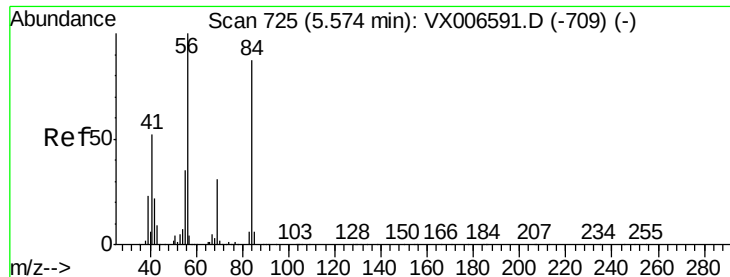
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#30
Chloroform
Concen: 19.312 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.2	76.8





#31

Cyclohexane

Concen: 16.915 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

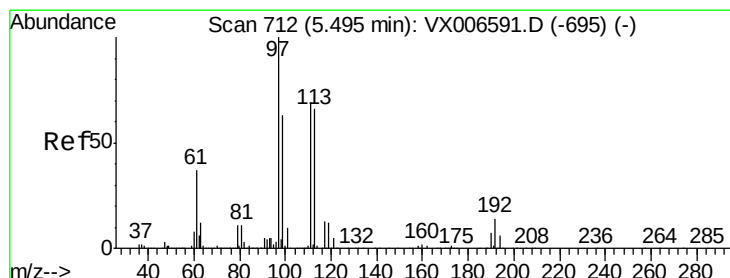
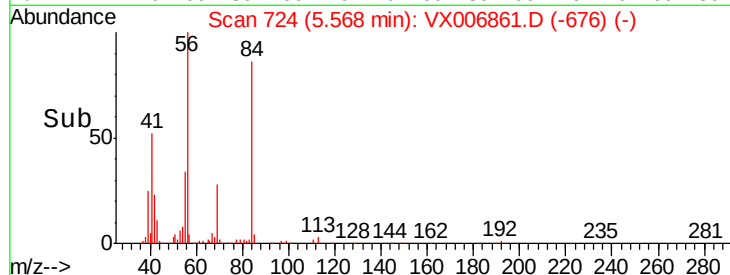
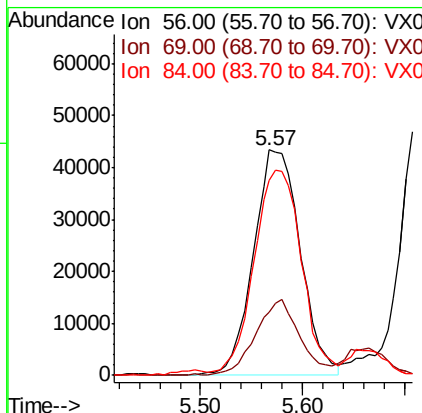
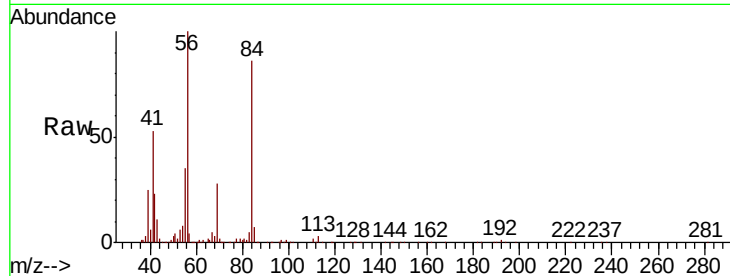
ClientSampleId :

VX1228MBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	28.3	24.4	36.6	
84	85.1	70.0	105.0	

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.407 ug/l

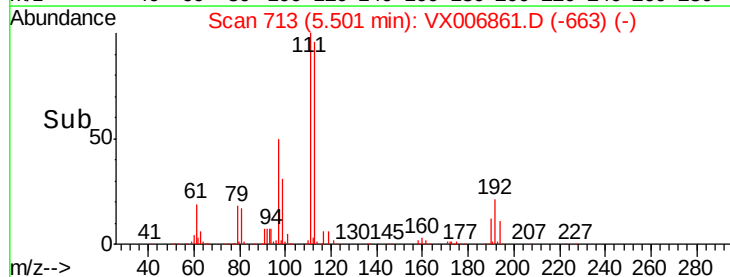
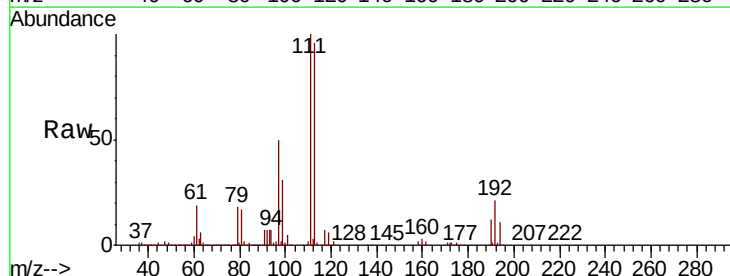
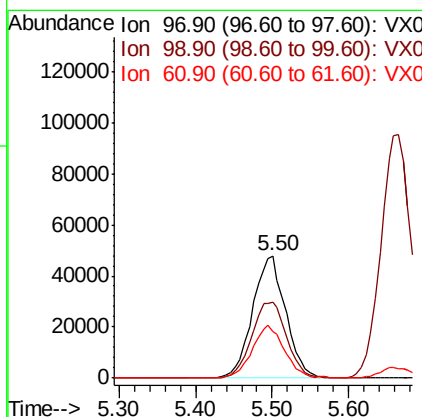
RT: 5.50 min Scan# 713

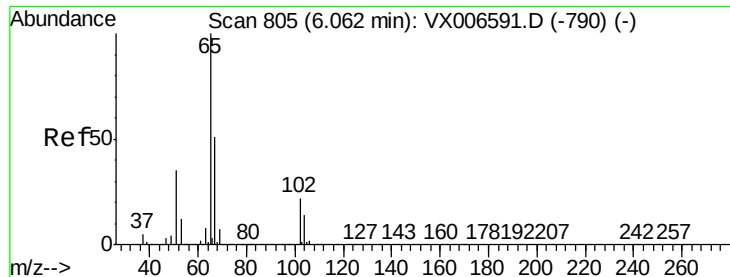
Delta R.T. 0.01 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.8	51.7	77.5	
61	41.6	31.3	46.9	





#33

1,2-Dichloroethane-d4

Concen: 50.257 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampled :

VX1228MBS01

Tot Ion: 65 Resp: 294684

Ion Ratio Lower Upper

65 100

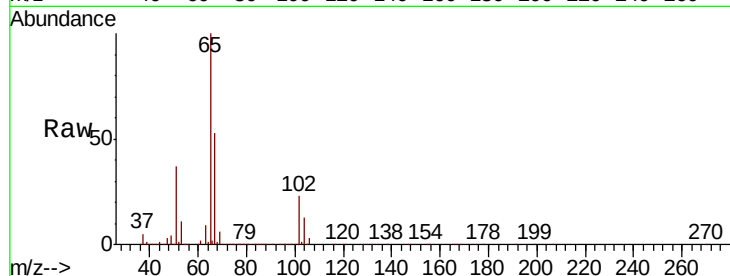
67 53.3 0.0 105.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

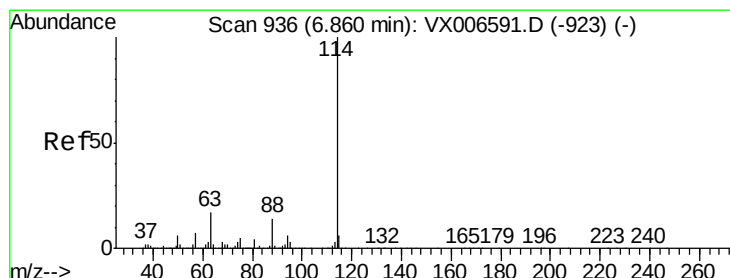
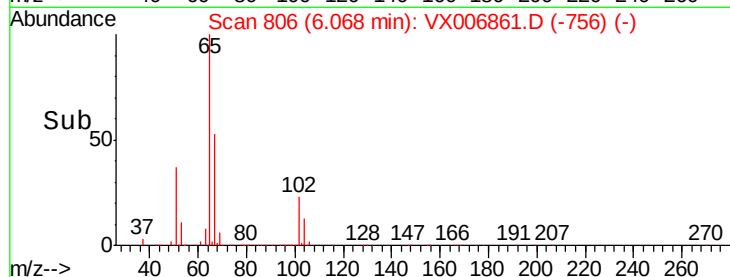
6.07

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

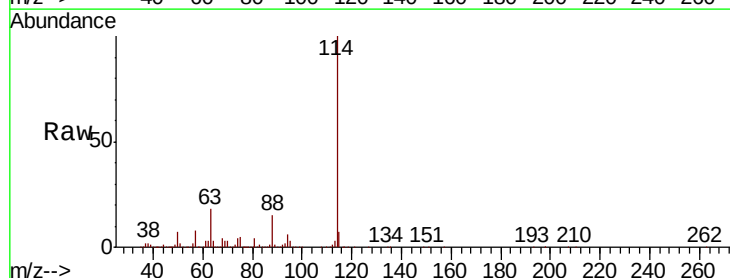
Tgt Ion:114 Resp: 804178

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

88 15.4 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

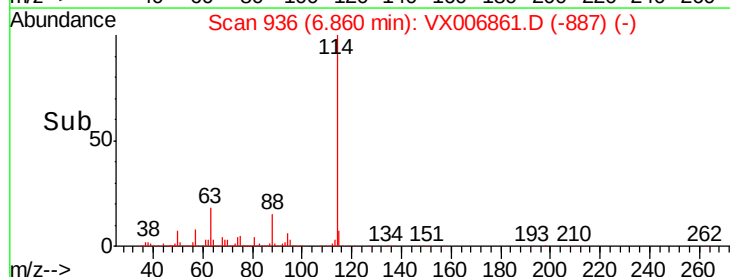
300000

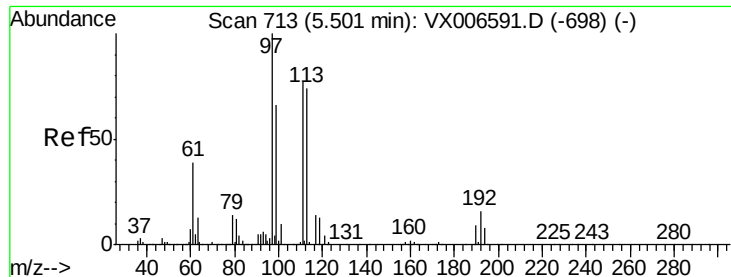
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 51.643 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

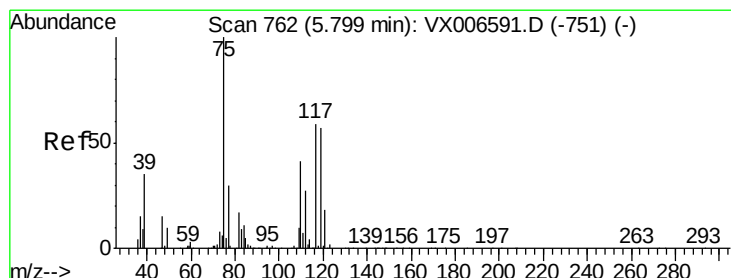
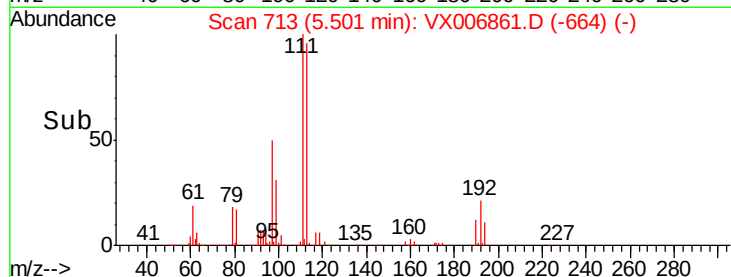
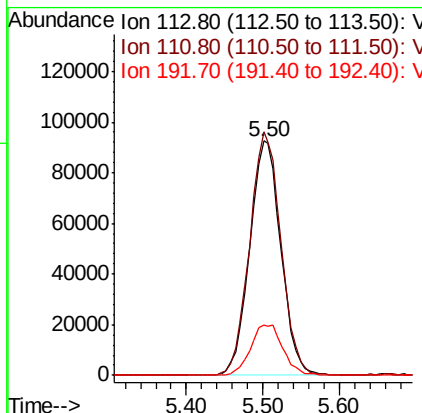
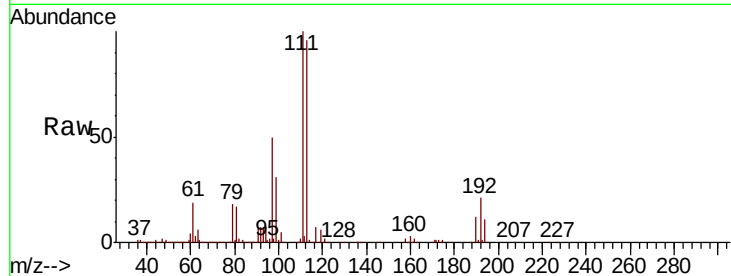
ClientSampleId :

VX1228MBS01

Tot Ion:	113	Resp:	262628
Ion Ratio	Lower	Upper	
113	100		
111	104.4	81.6	122.4
192	22.6	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 18.768 ug/l

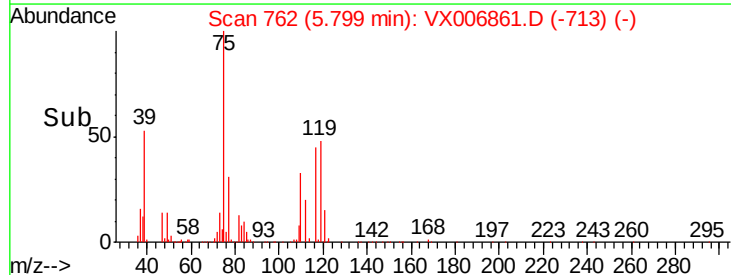
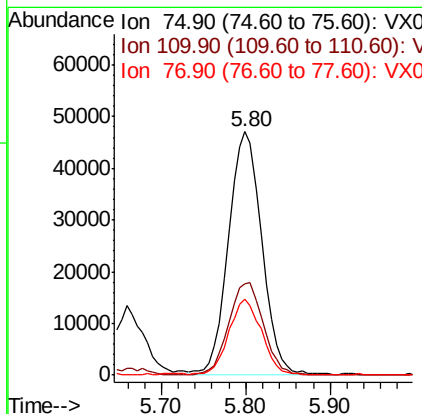
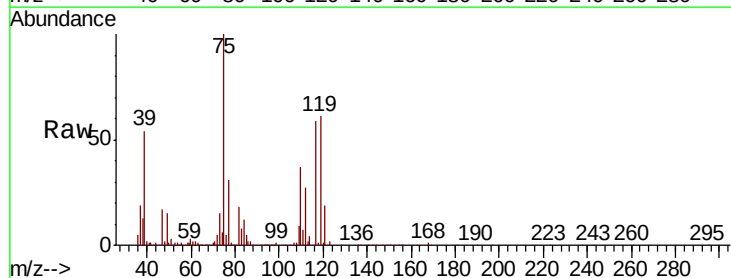
RT: 5.80 min Scan# 762

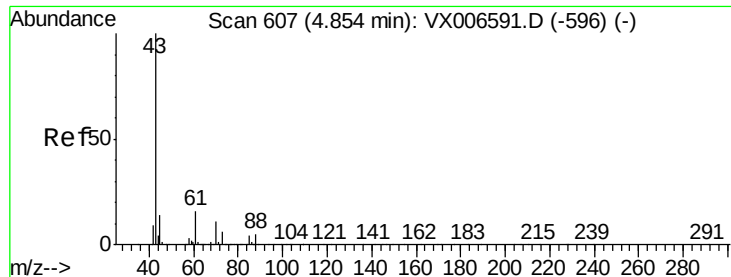
Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Tgt Ion:	75	Resp:	125006
Ion Ratio	Lower	Upper	
75	100		
110	40.1	20.2	60.5
77	31.4	24.8	37.2





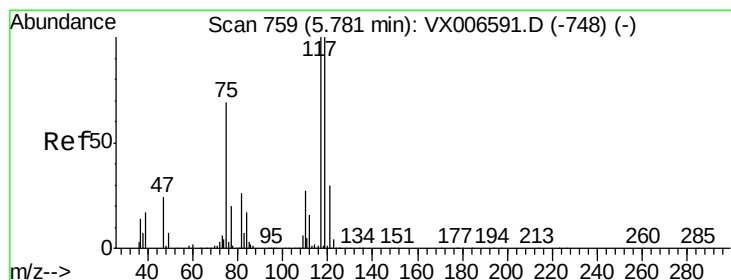
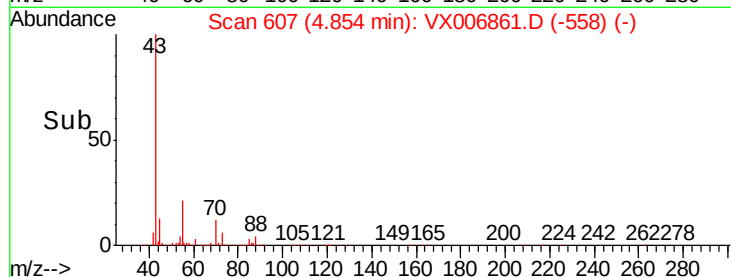
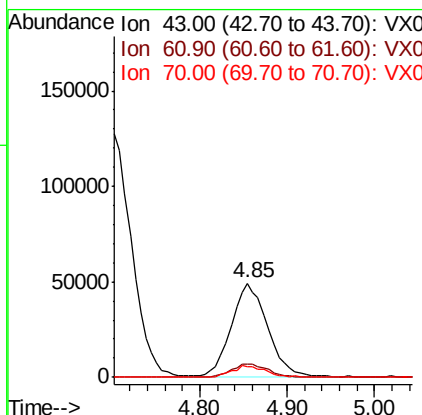
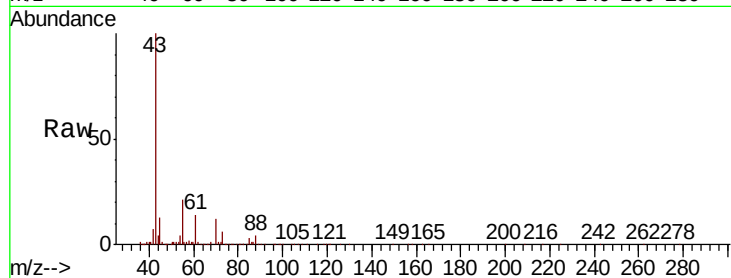
#37
Ethyl Acetate
Concen: 20.206 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		140075		
61	14.3	11.9	17.9		
70	12.3	9.7	14.5		

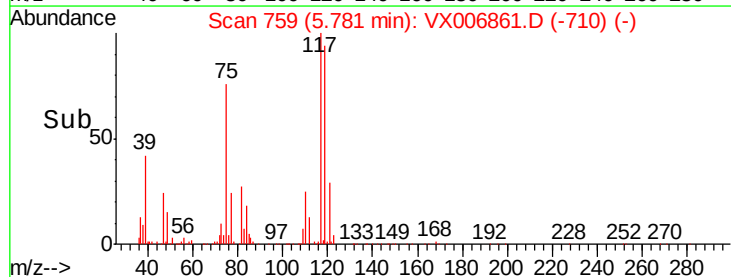
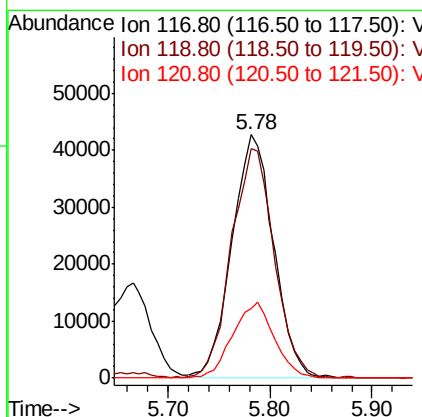
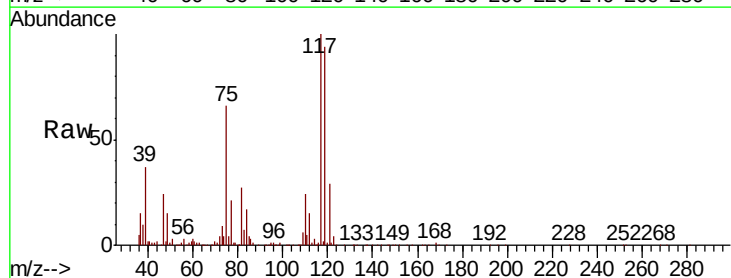
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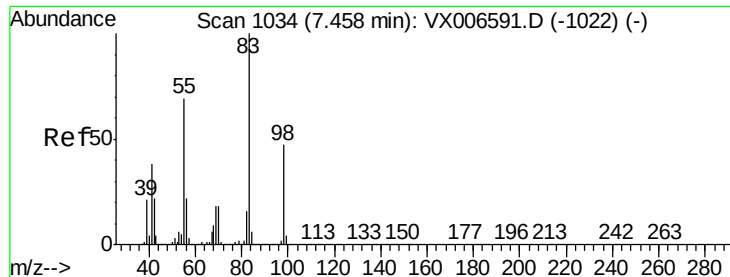
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#38
Carbon Tetrachloride
Concen: 18.745 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		121337		
119	93.9	79.4	119.2		
121	28.8	24.0	36.0		





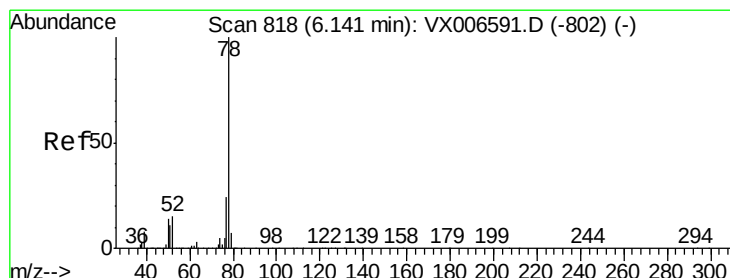
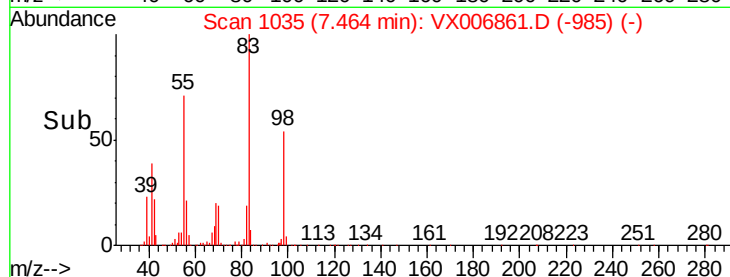
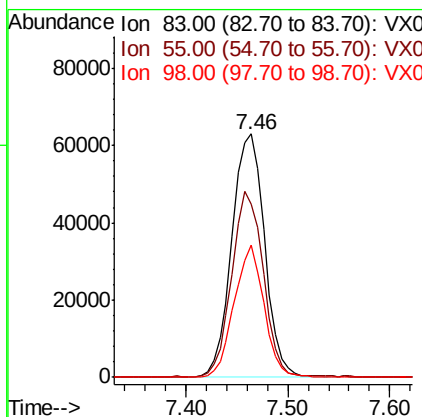
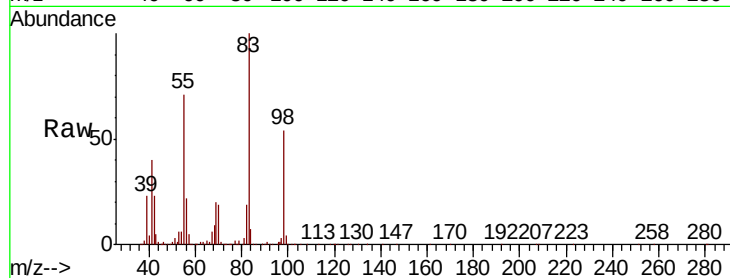
#39
Methylvlcyclohexane
Concen: 16.059 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.7	54.9	82.3
98	54.1	37.9	56.9

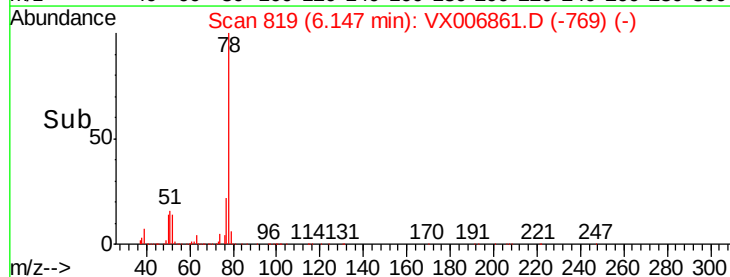
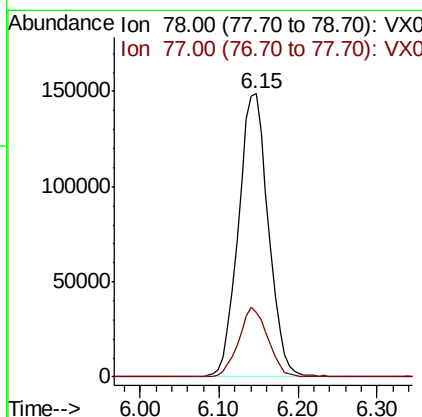
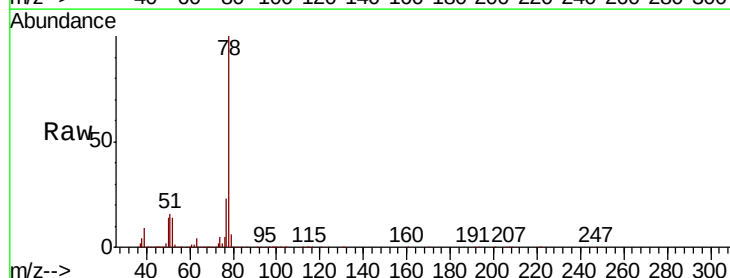
Manual Integrations
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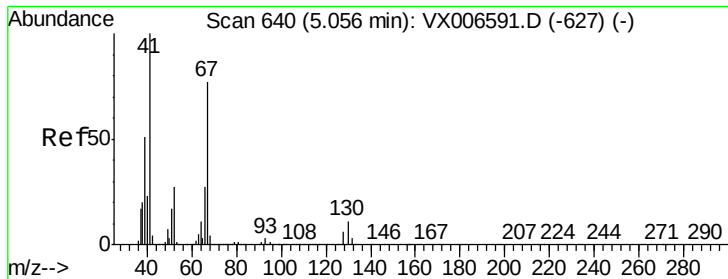
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#40
Benzene
Concen: 19.490 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8





#41

Methacrylonitrile

Concen: 21.613 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

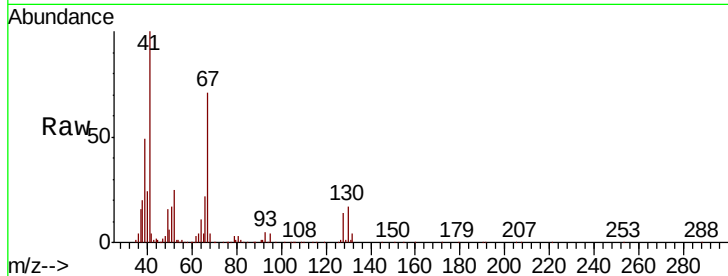
ClientSampleId :

VX1228MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	42.8	64.2	
67	77.3	62.1	93.1	
52	29.8	23.4	35.0	

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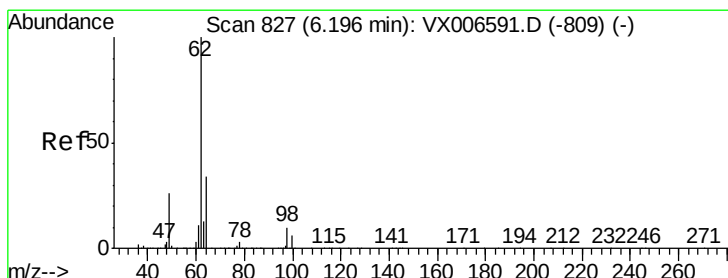
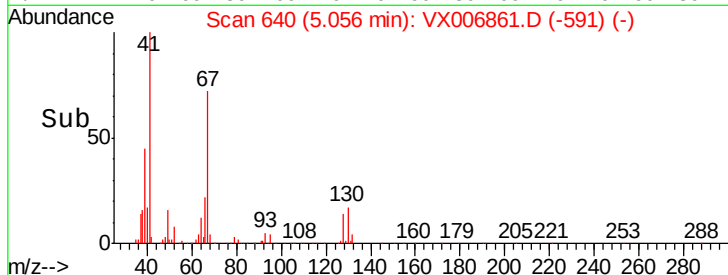
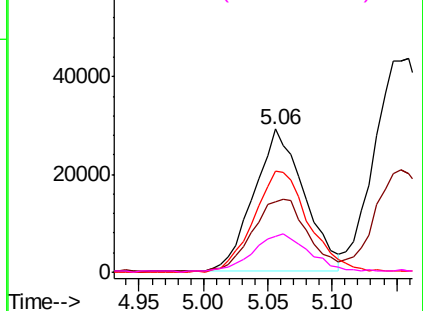
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.922 ug/l

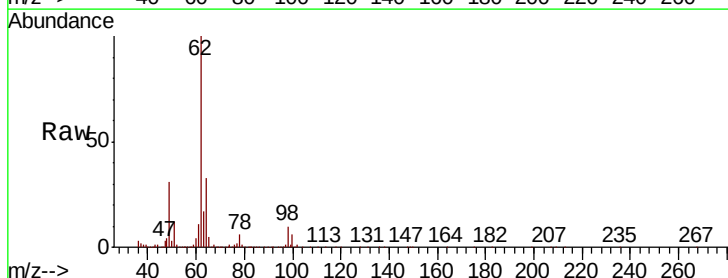
RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

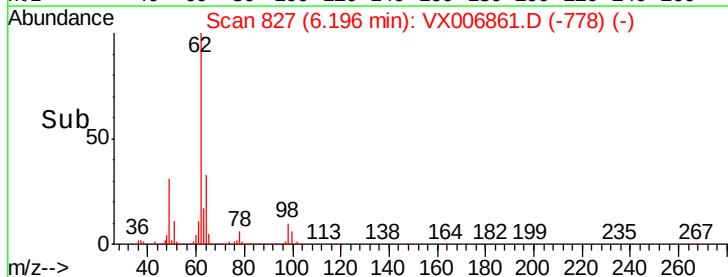
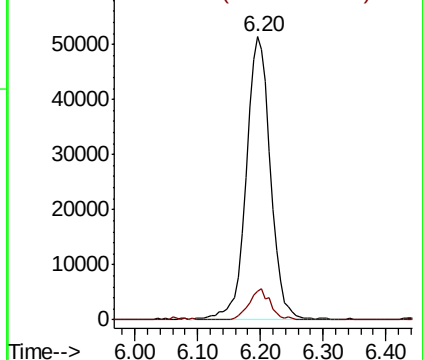
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.2	

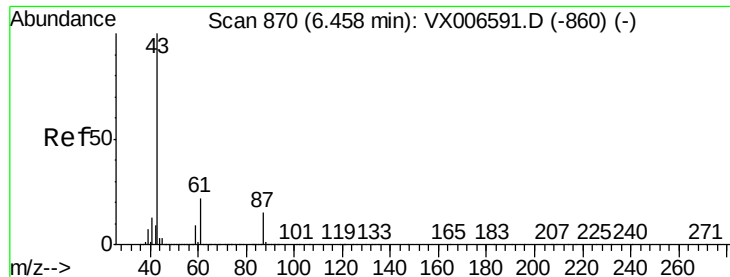


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





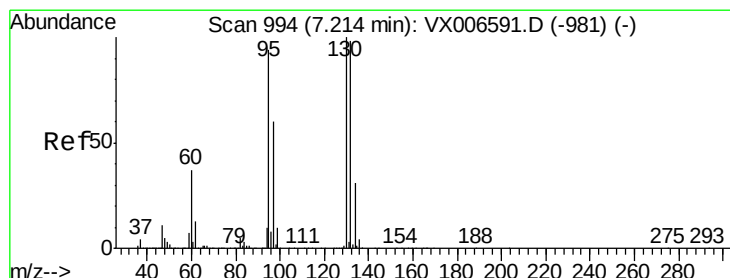
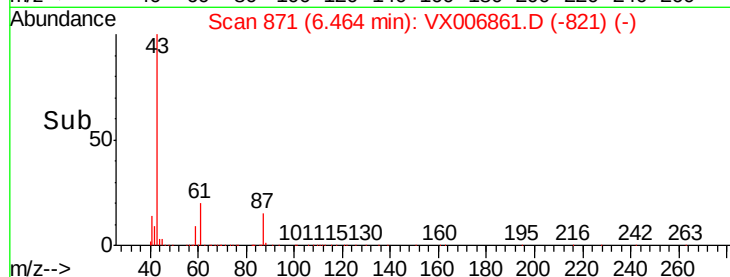
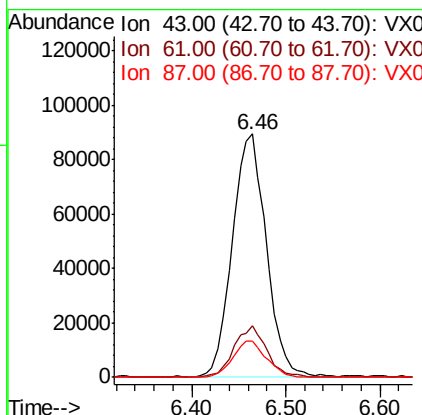
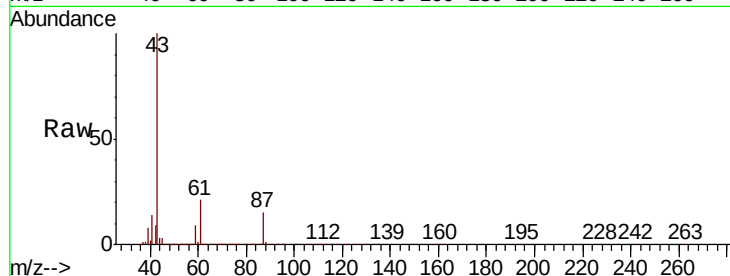
#43
Isopropyl Acetate
Concen: 21.297 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.01 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.8	25.2
87	15.0	12.4	18.6

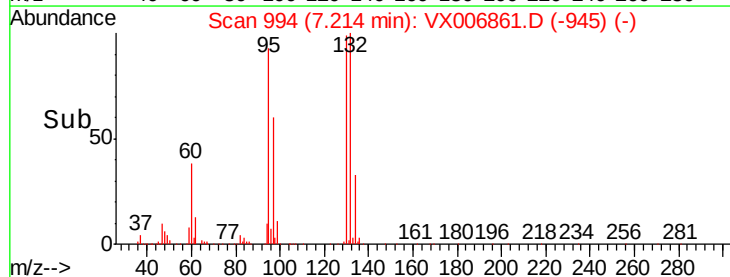
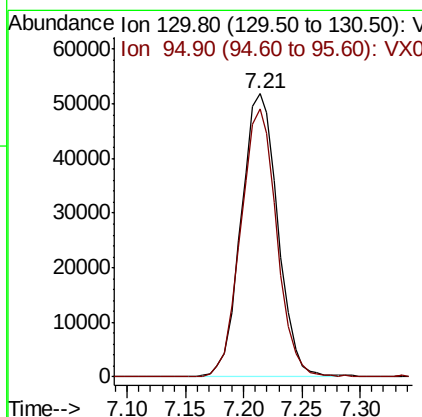
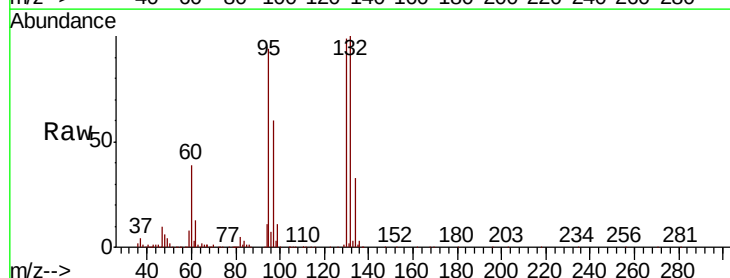
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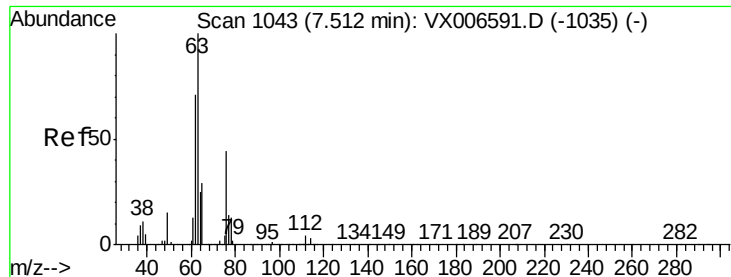
MMDadoda
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#44
Trichloroethene
Concen: 18.517 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	187.0





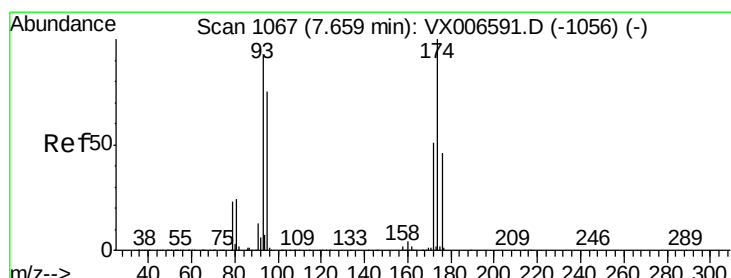
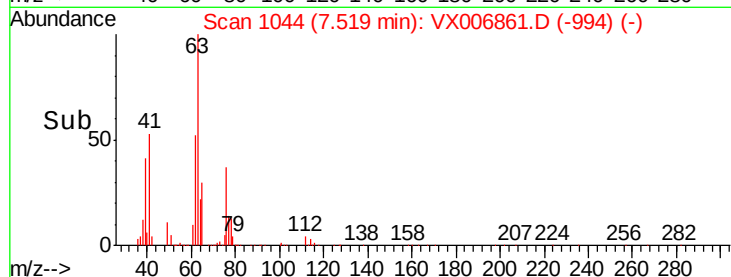
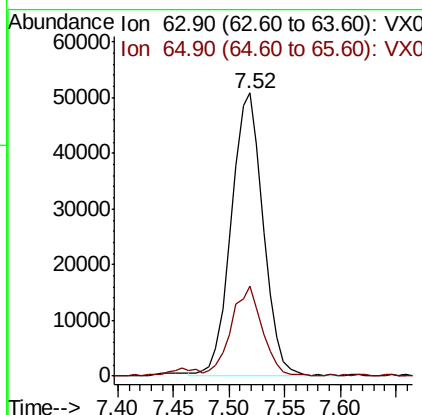
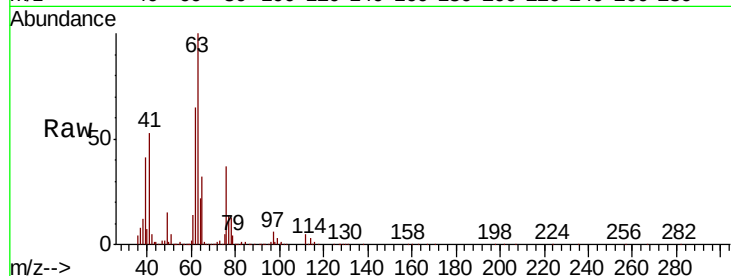
#45
 1,2-Dichloropropane
 Concen: 20.349 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.0

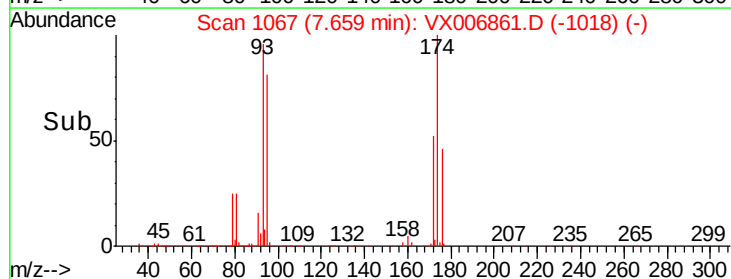
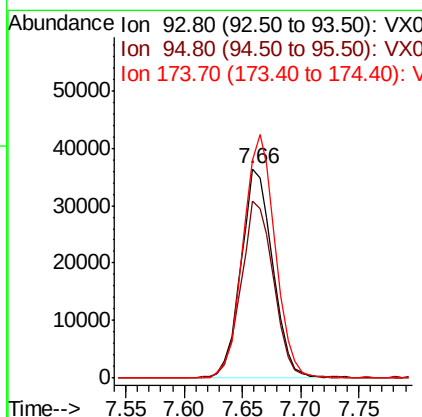
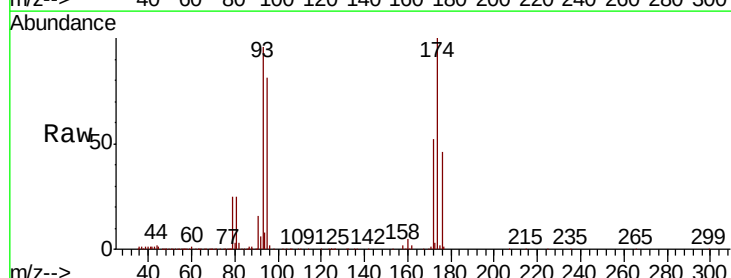
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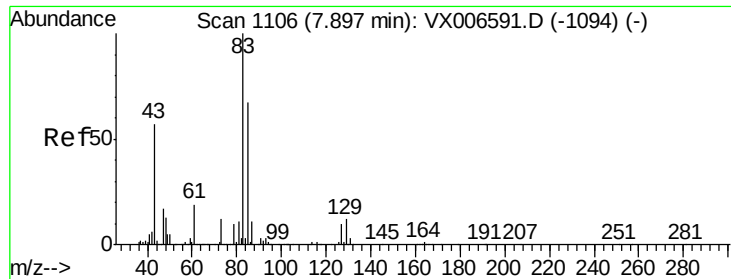
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#46
 Dibromomethane
 Concen: 19.143 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.8	66.2	99.4
174	117.3	91.0	136.4





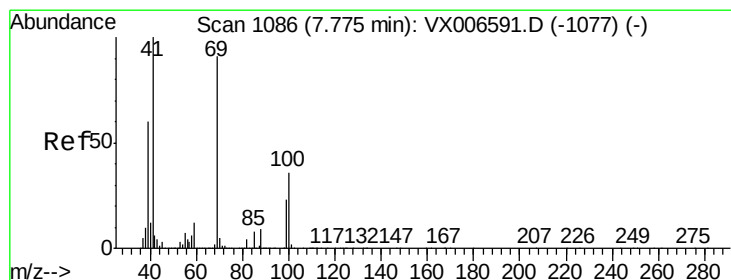
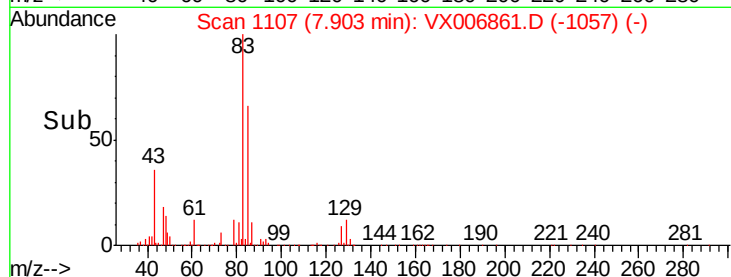
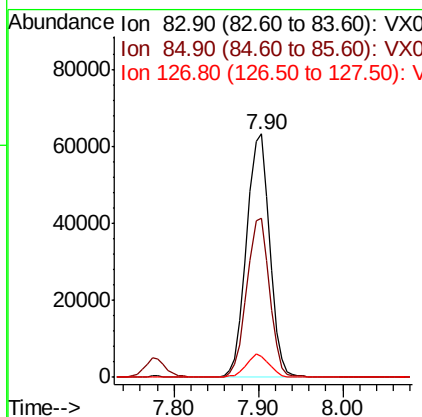
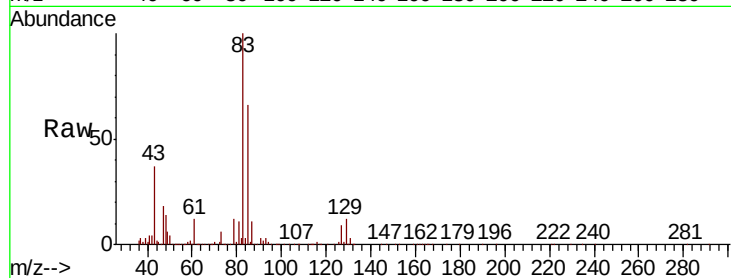
#47
Bromodichloromethane
Concen: 19.414 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.2	79.8
127	8.8	7.8	11.6

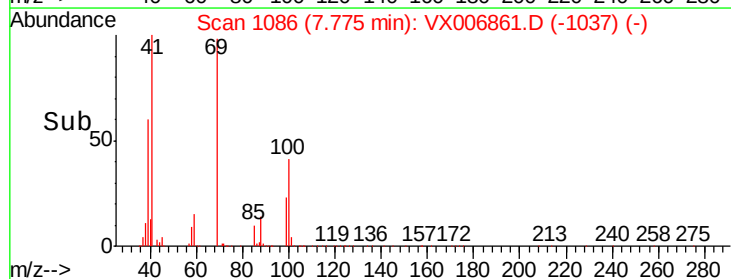
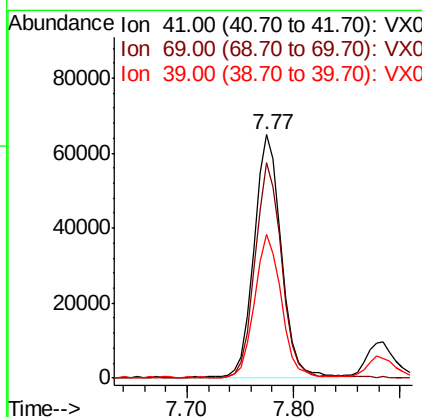
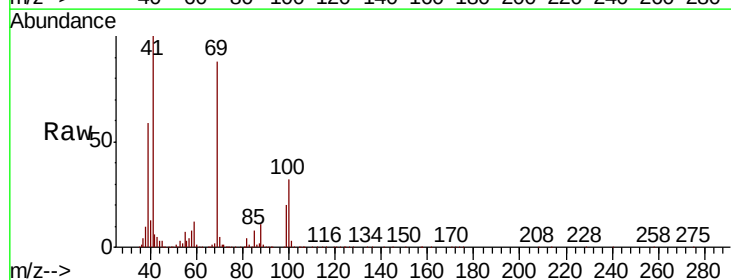
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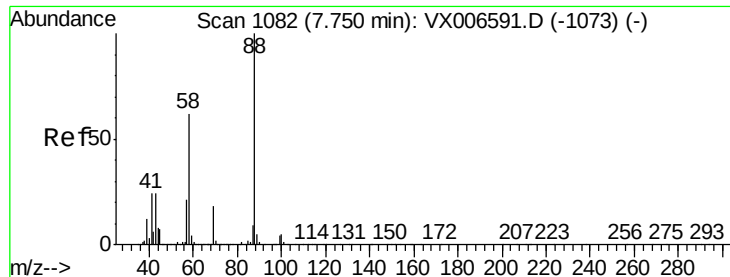
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#48
Methyl methacrylate
Concen: 21.562 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.3	72.4	108.6
39	57.8	45.8	68.8





#49

1,4-Dioxane

Concen: 395.492 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

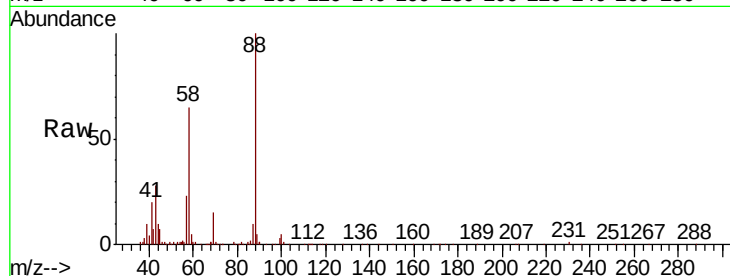
ClientSampled :

VX1228MBS01

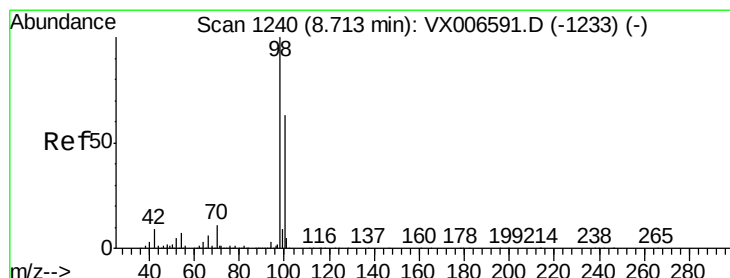
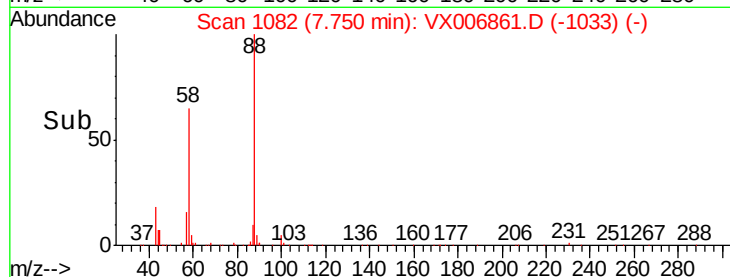
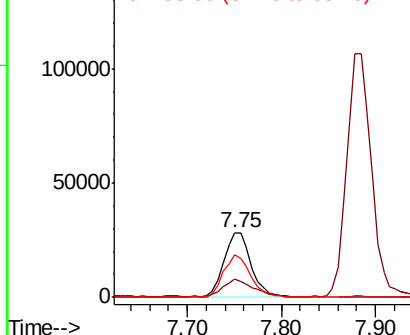
Tot Ion:	88	Resp:	57191
Ion Ratio	Lower	Upper	
88	100		
43	29.4	22.2	33.4
58	65.0	51.0	76.4

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.933 ug/l

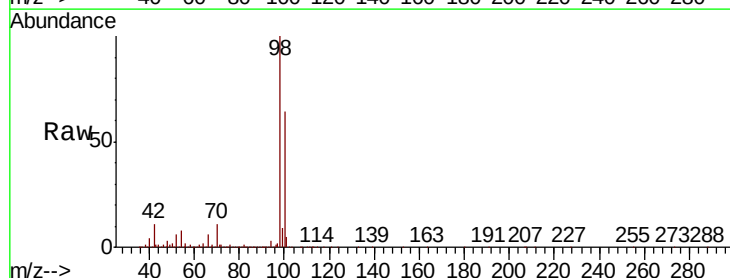
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

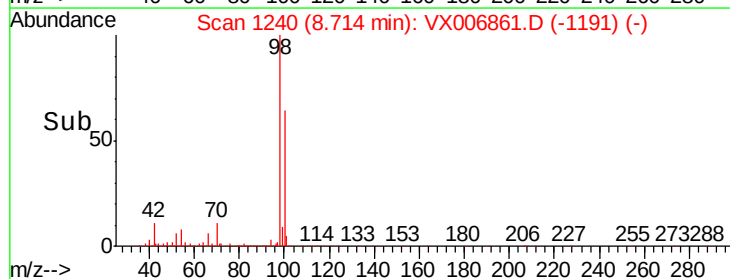
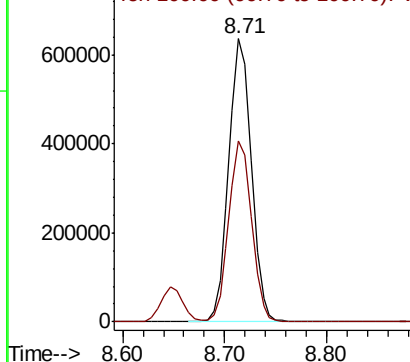
Lab File: VX006861.D

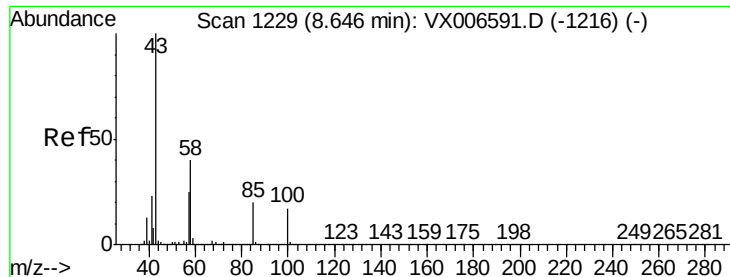
Acq: 28 Dec 2018 15:13

Tgt Ion:	98	Resp:	976513
Ion Ratio	Lower	Upper	
98	100		
100	64.4	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





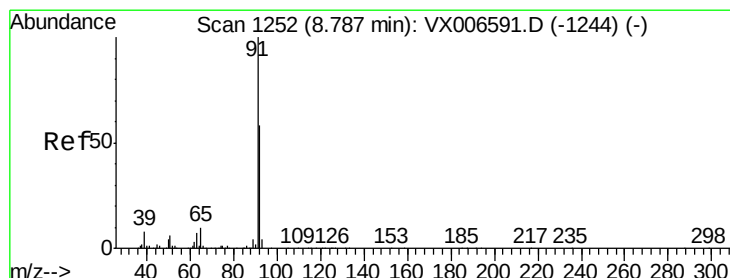
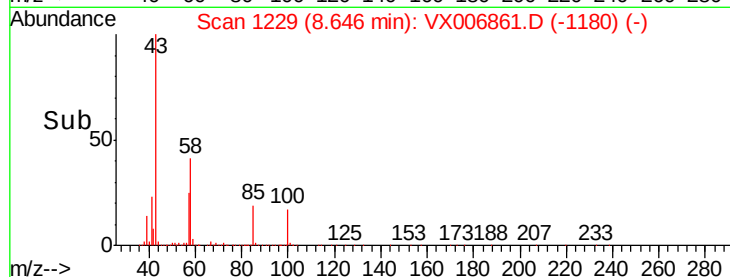
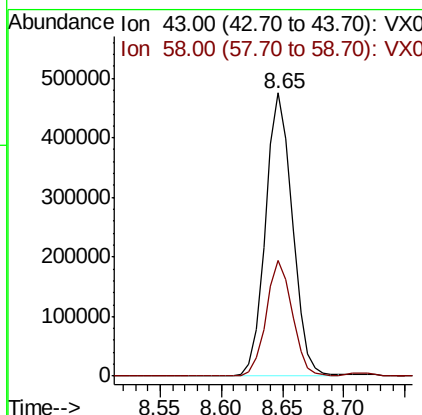
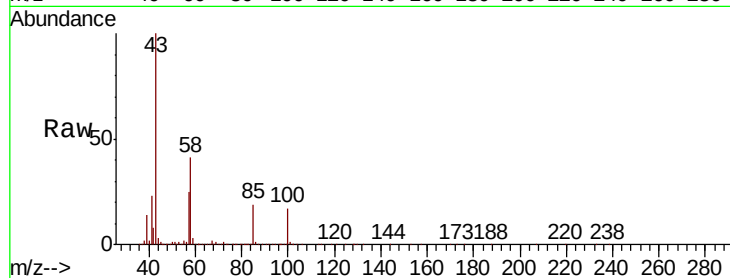
#51
4-Methyl-2-Pentanone
Concen: 108.301 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.8	47.6

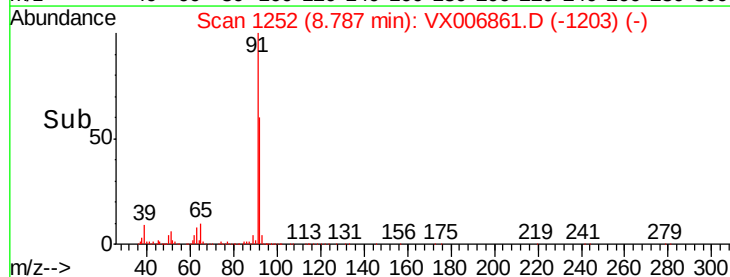
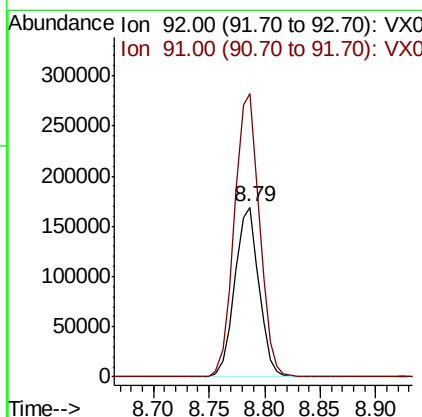
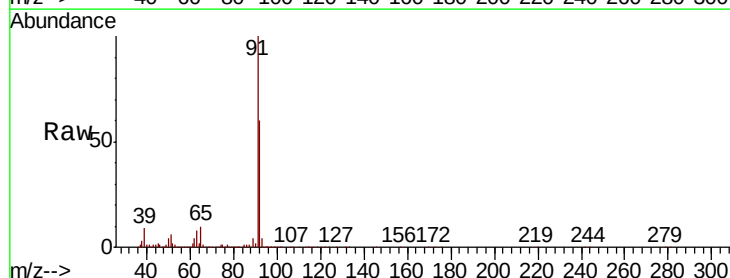
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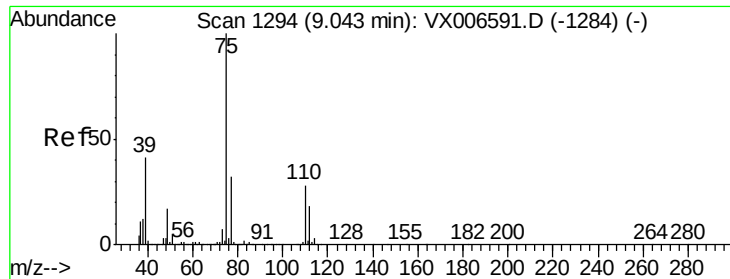
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#52
Toluene
Concen: 19.449 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.1	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 18.880 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampled :

VX1228MBS01

Tot Ion: 75 Resp: 121827

Ion Ratio Lower Upper

75 100

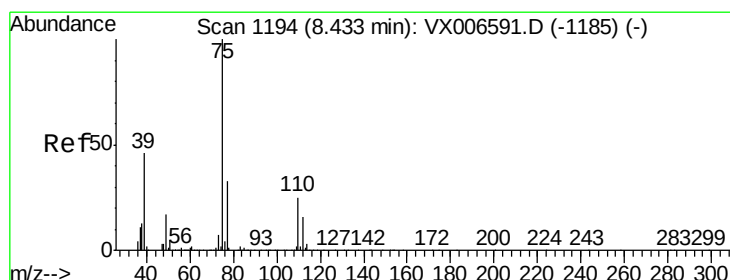
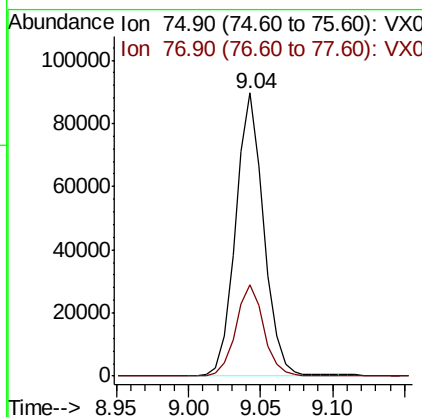
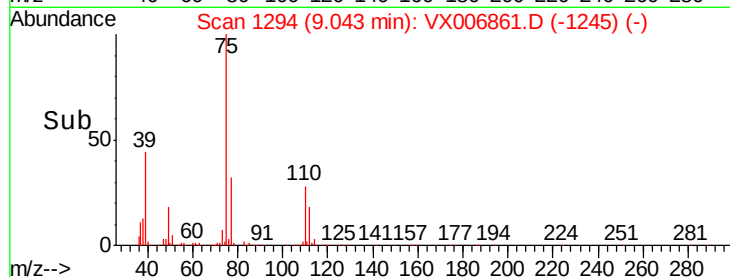
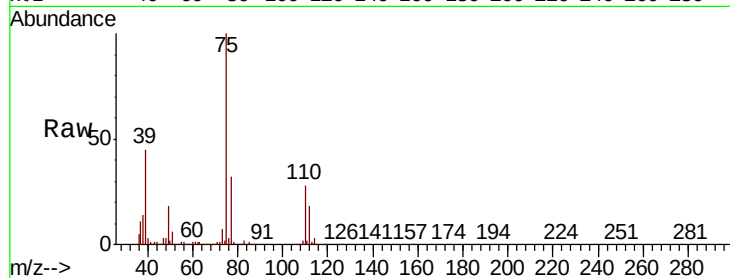
77 32.0 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 20.022 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

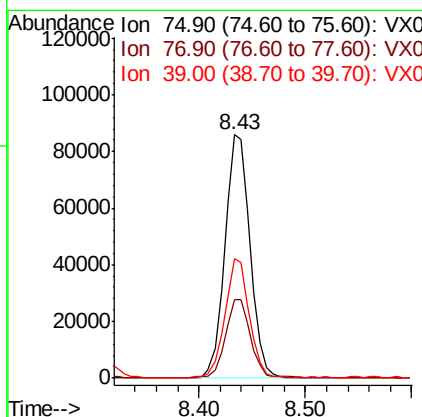
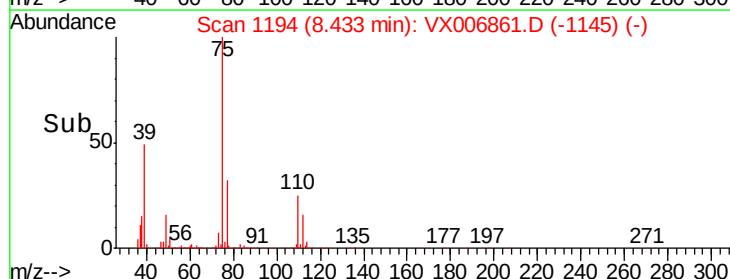
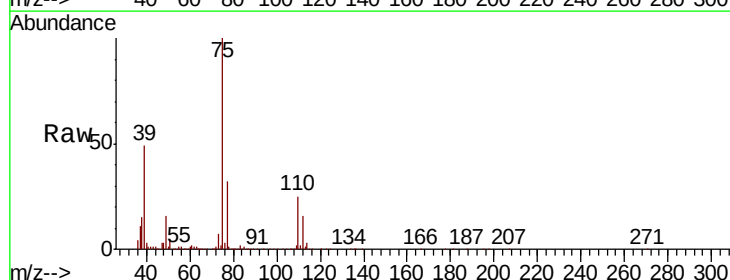
Tgt Ion: 75 Resp: 141756

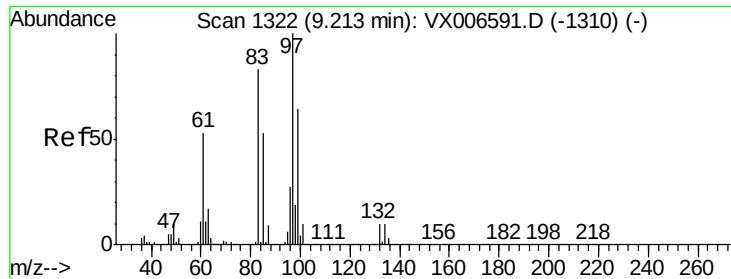
Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2

39 48.7 36.7 55.1





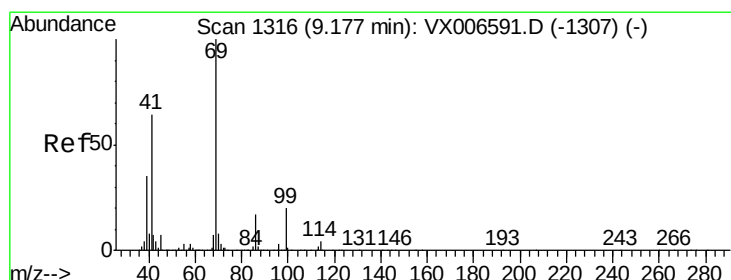
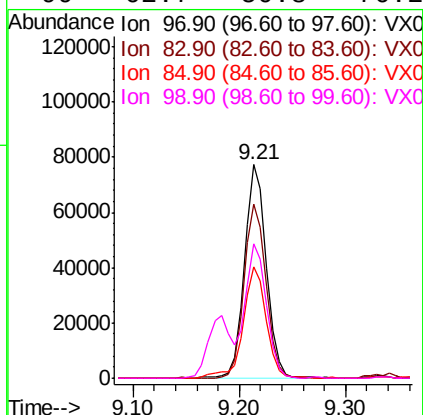
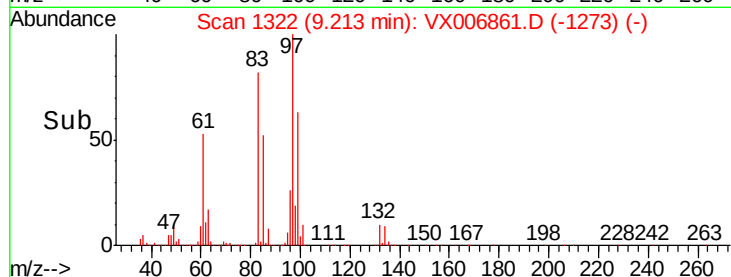
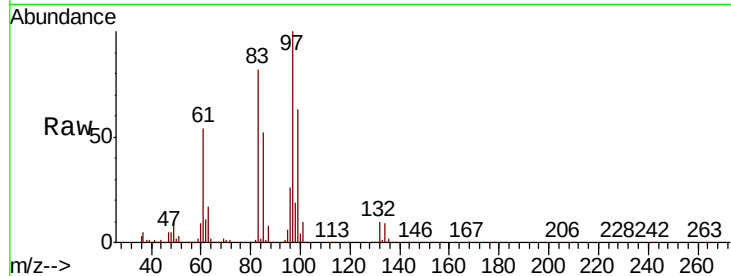
#55
 1,1,2-Trichloroethane
 Concen: 20.885 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		111812		
83	81.5	66.6	99.8		
85	52.0	42.7	64.1		
99	62.7	50.8	76.2		

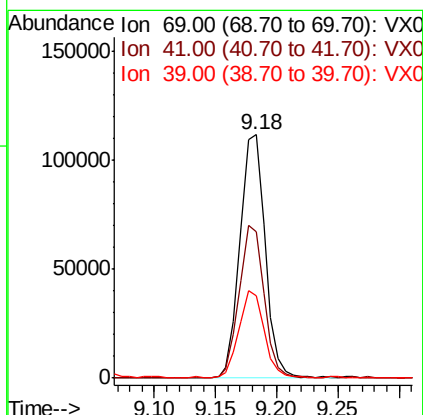
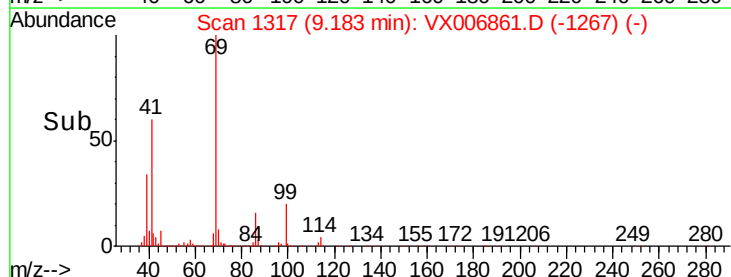
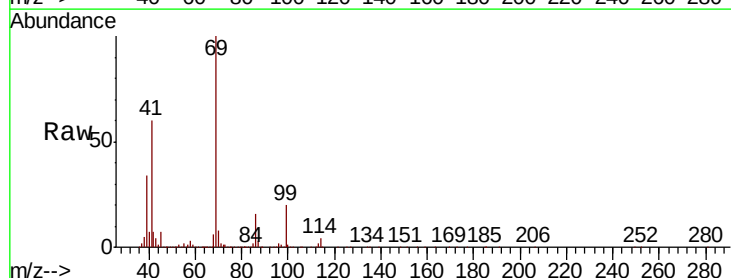
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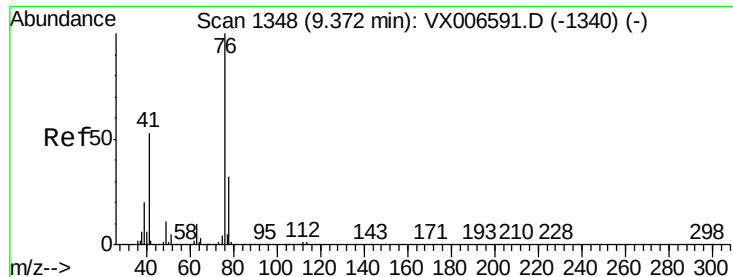
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#56
 Ethyl methacrylate
 Concen: 21.210 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		160491		
41	61.6	48.7	73.1		
39	35.4	27.0	40.6		





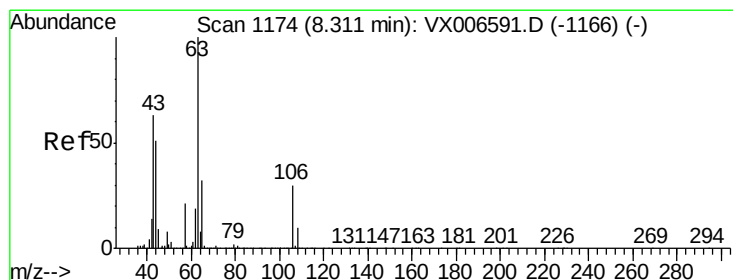
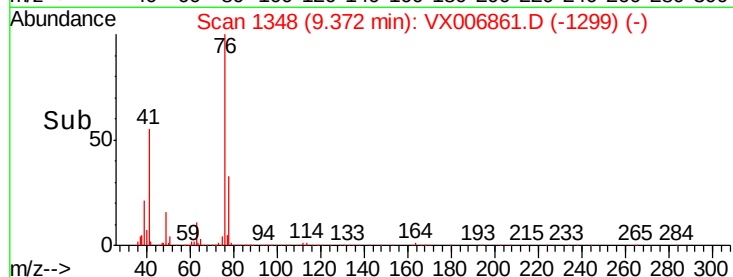
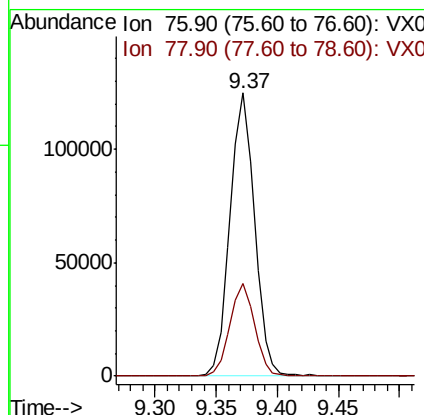
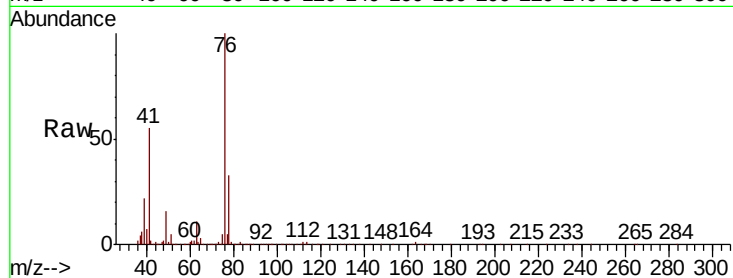
#57
 1,3-Dichloropropane
 Concen: 20.207 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Instrument :
 MSVOA_X
 ClientSampled :
 VX1228MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

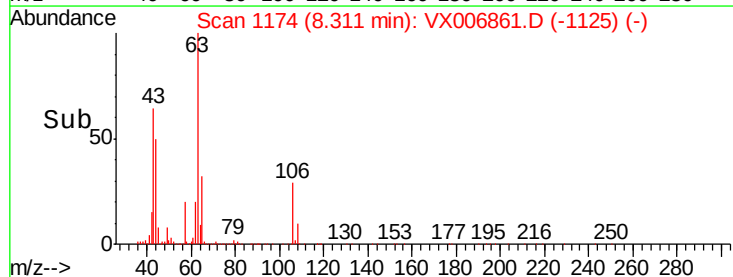
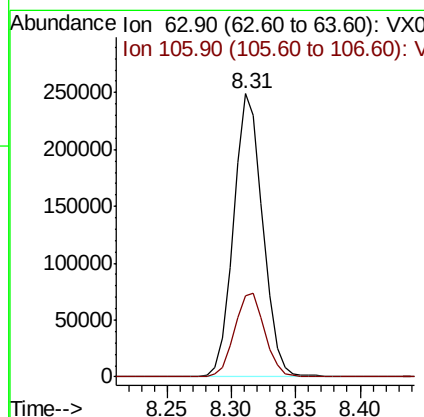
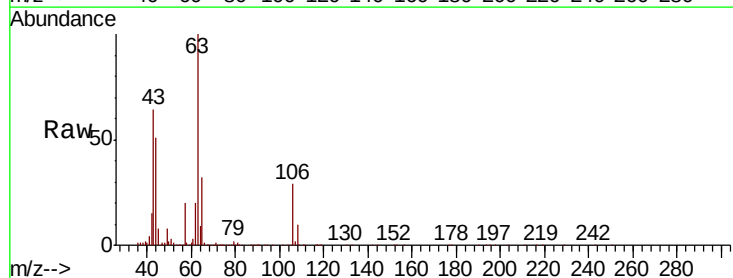
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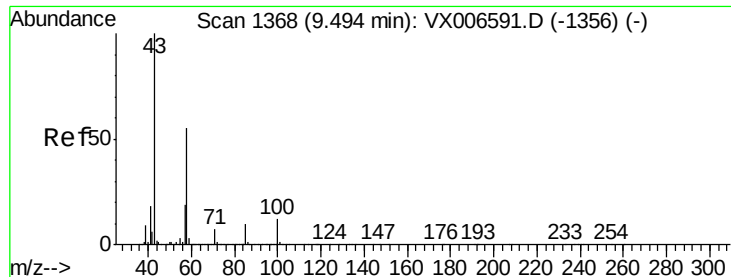
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.436 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.6	36.8





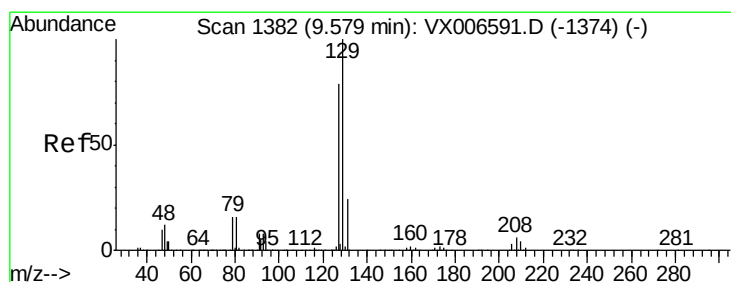
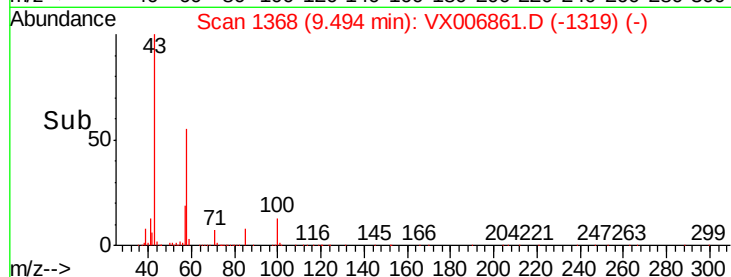
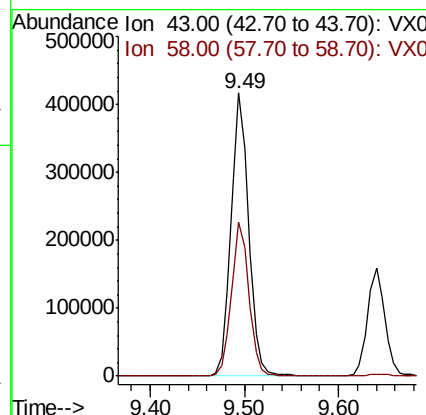
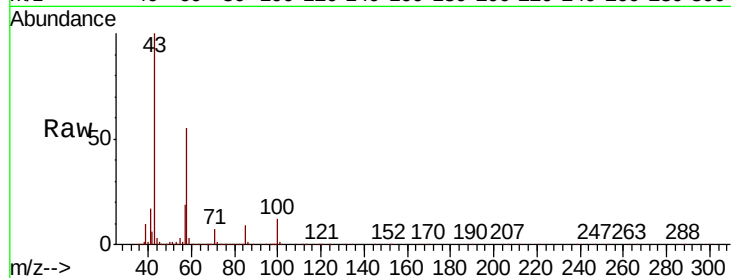
#59
2-Hexanone
Concen: 105.671 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.7	83.1

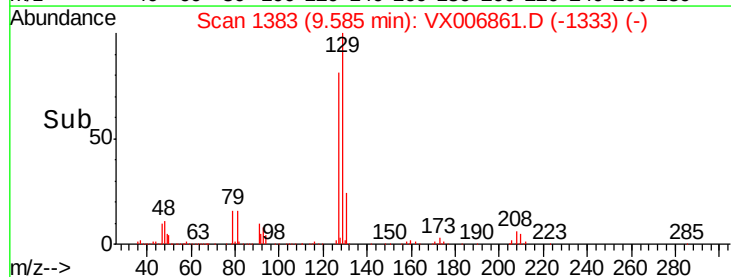
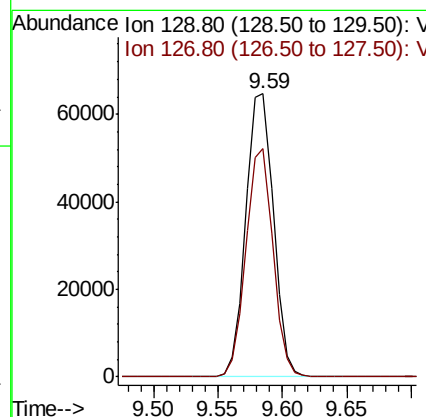
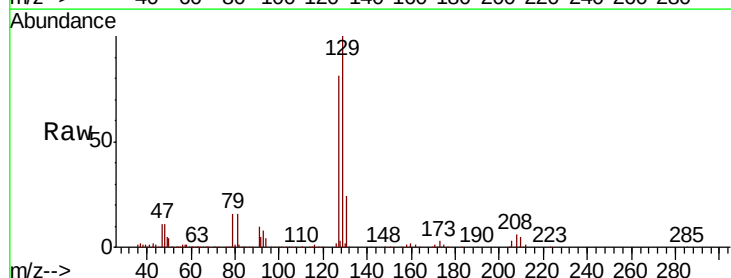
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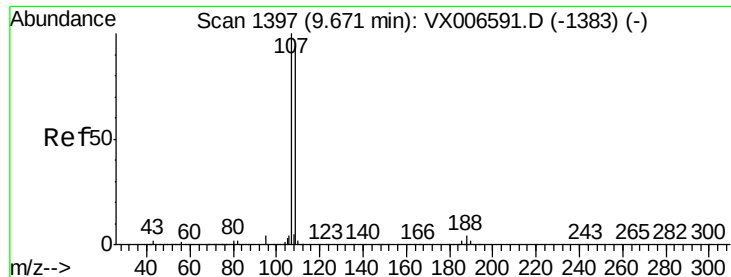
MMDadoda
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#60
Dibromochloromethane
Concen: 18.734 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.3	117.8





#61

1,2-Dibromoethane

Concen: 20.267 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 107 Resp: 115339

Ion Ratio Lower Upper

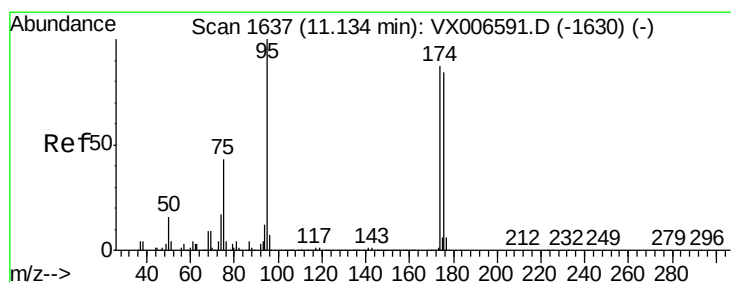
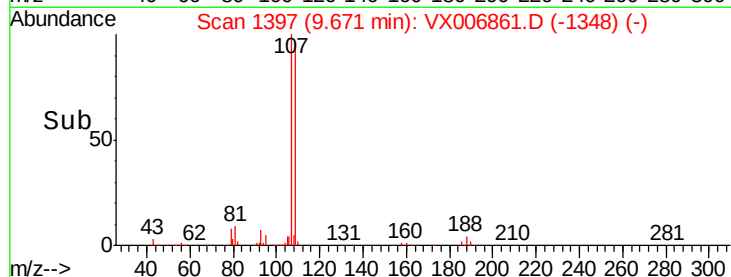
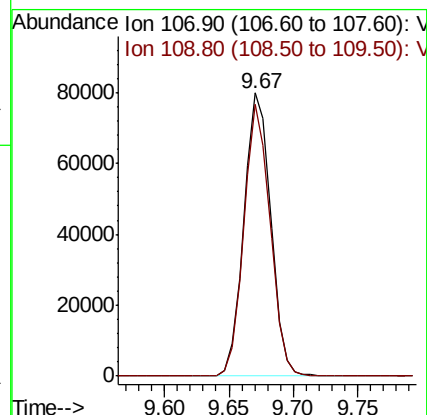
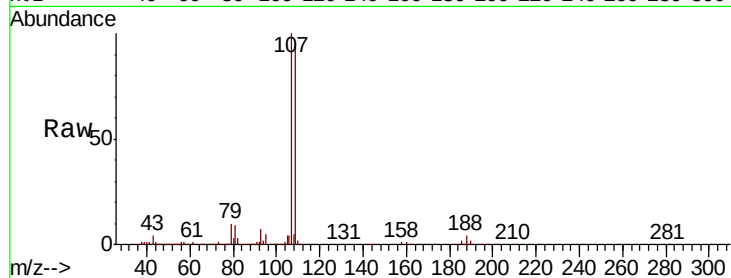
107 100

109 94.1 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 49.758 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

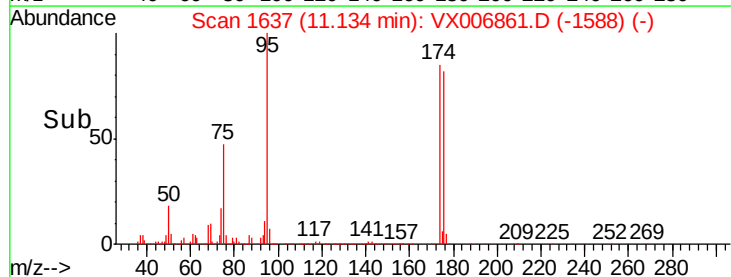
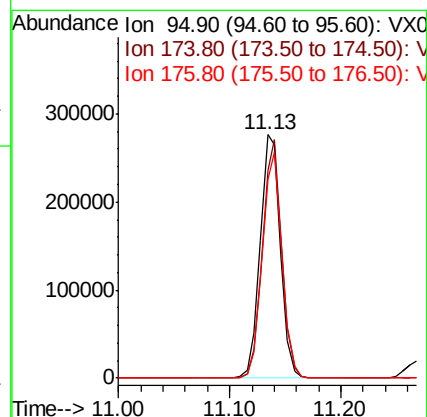
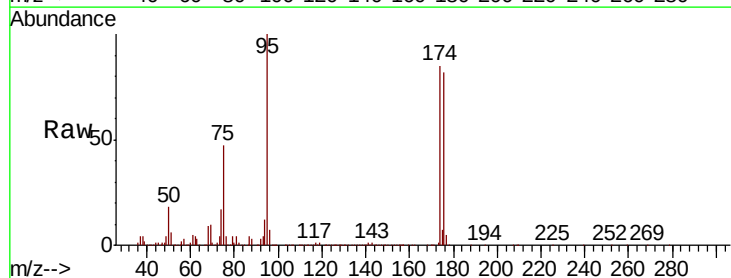
Tgt Ion: 95 Resp: 349385

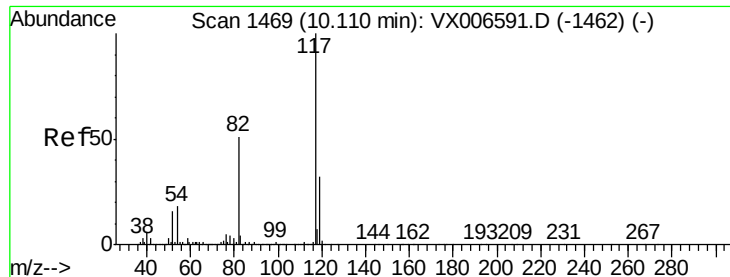
Ion Ratio Lower Upper

95 100

174 93.8 0.0 182.2

176 90.6 0.0 178.8





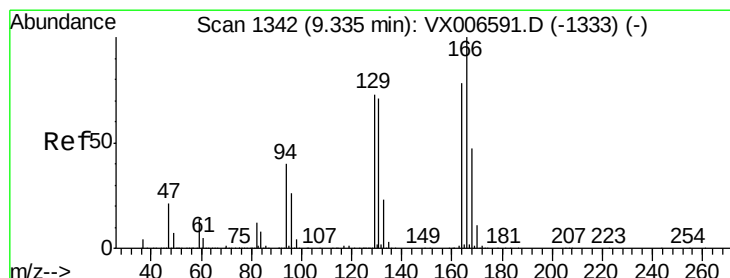
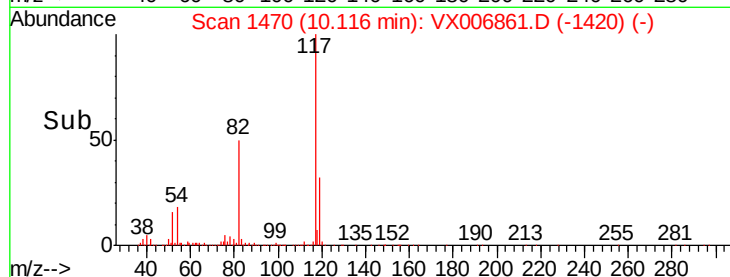
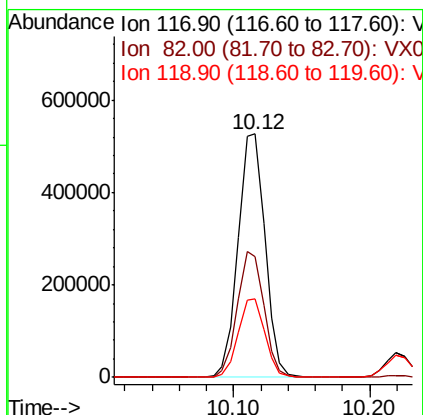
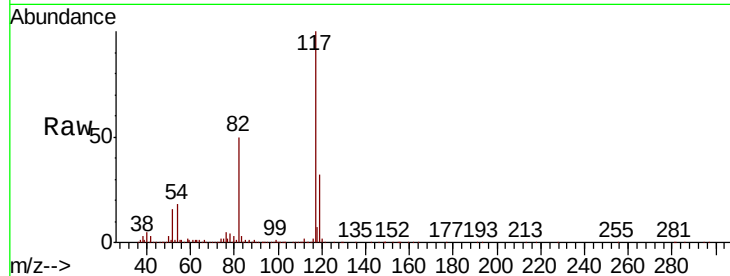
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	49.8	41.0	61.6
119	32.5	25.4	38.0

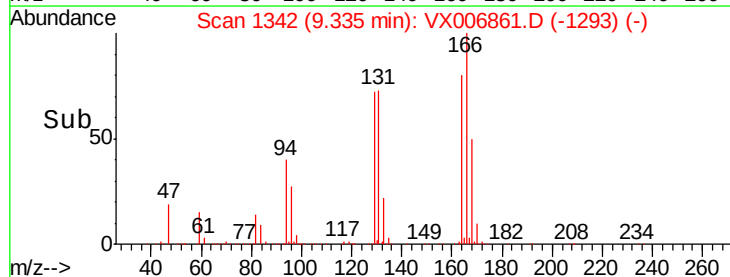
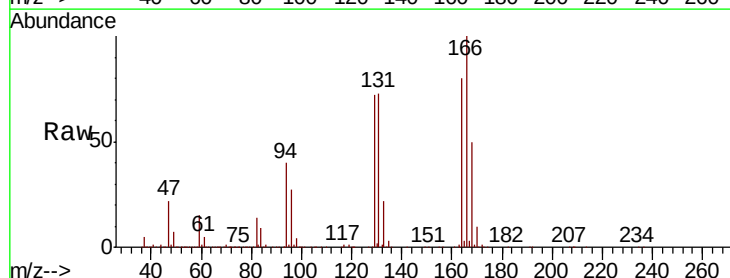
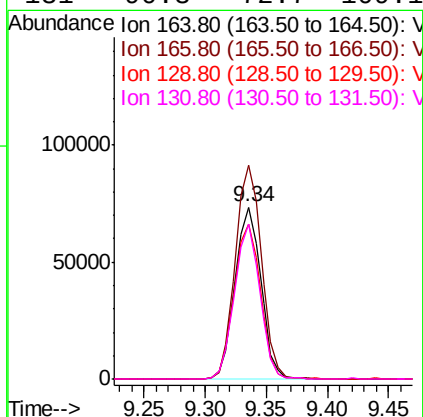
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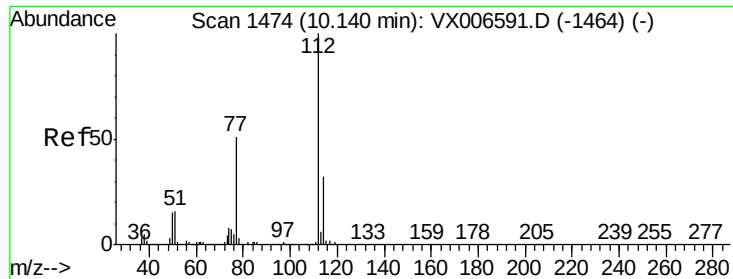
MMDadoda
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#64
Tetrachloroethene
Concen: 18.685 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	124.3	102.5	153.7
129	89.9	75.1	112.7
131	90.3	72.7	109.1





#65

Chlorobenzene

Concen: 19.542 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampled :

VX1228MBS01

Tot Ion:112 Resp: 301016

Ion Ratio Lower Upper

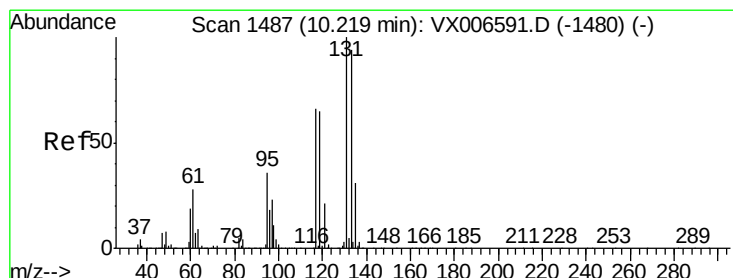
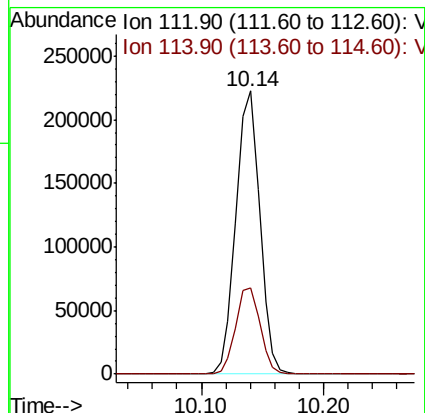
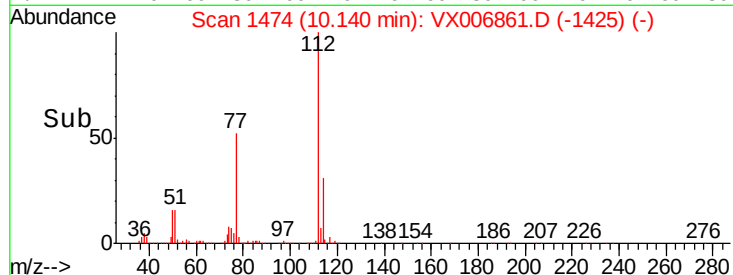
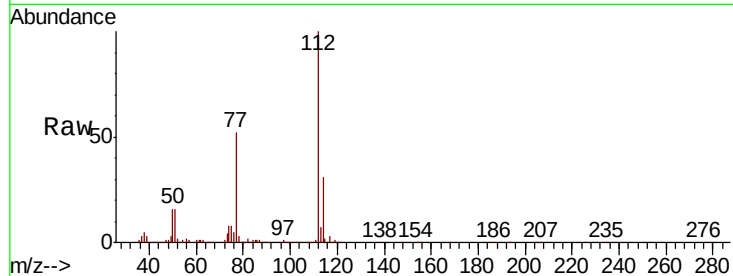
112 100

114 30.6 25.7 38.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.058 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

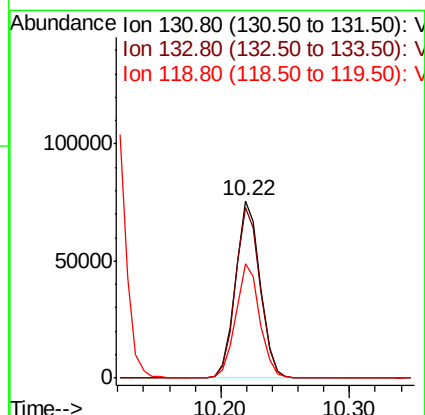
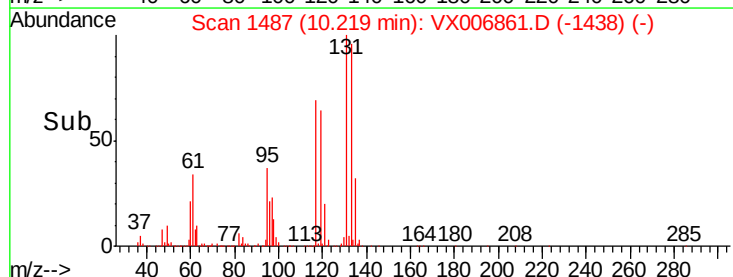
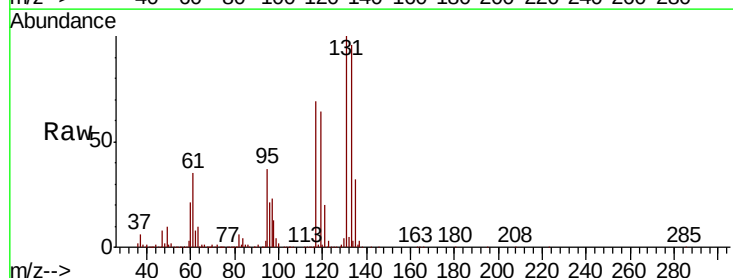
Tgt Ion:131 Resp: 101199

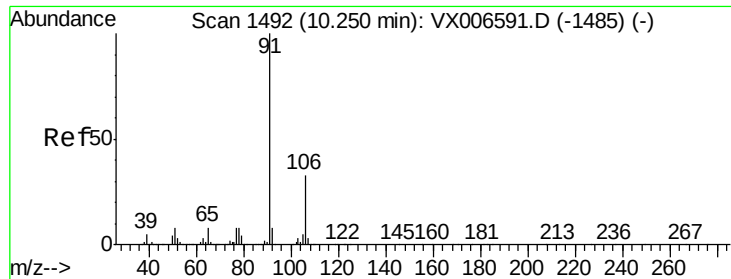
Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.2

119 63.4 32.6 97.8





#67

Ethyl Benzene

Concen: 19.291 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 91 Resp: 485560

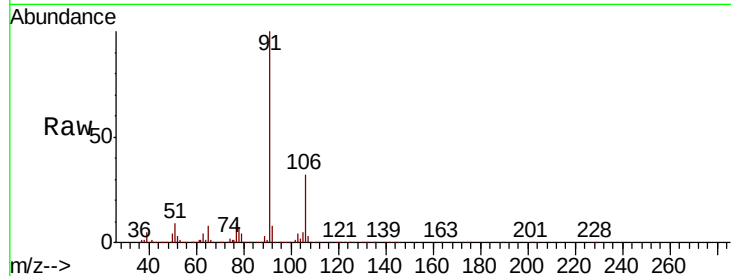
Ion Ratio Lower Upper

91 100

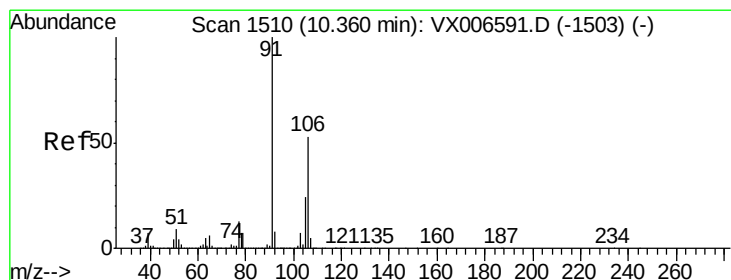
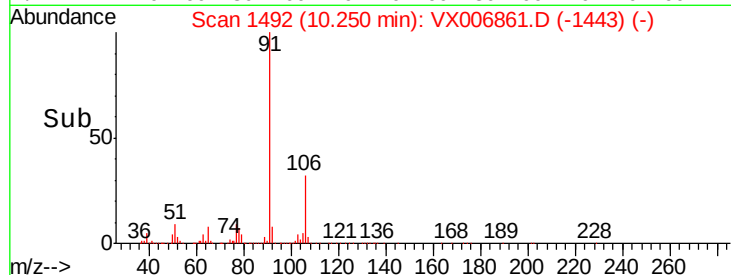
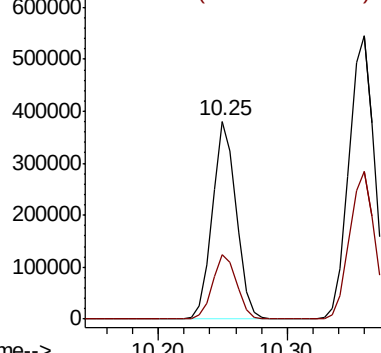
106 32.5 26.4 39.6

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Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1485) (-)



#68

m/p-Xylenes

Concen: 38.375 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006861.D

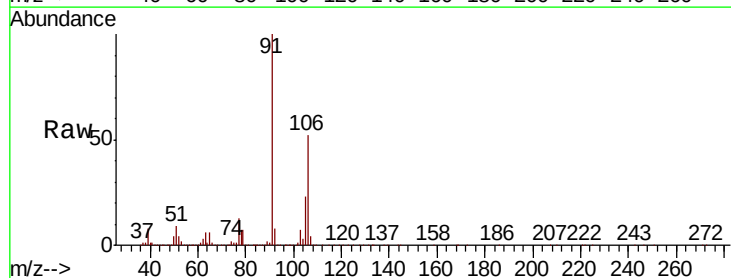
Acq: 28 Dec 2018 15:13

Tgt Ion: 106 Resp: 381148

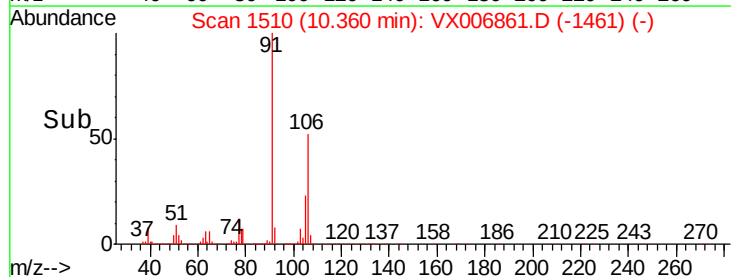
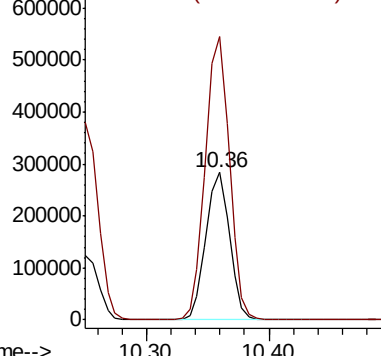
Ion Ratio Lower Upper

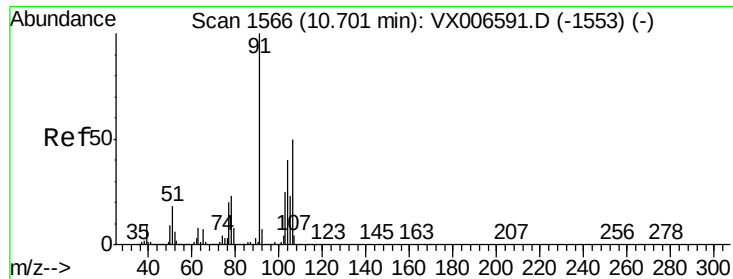
106 100

91 194.5 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): VX006591.D (-1503) (-)





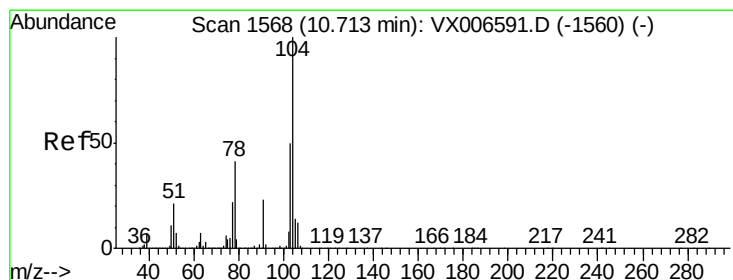
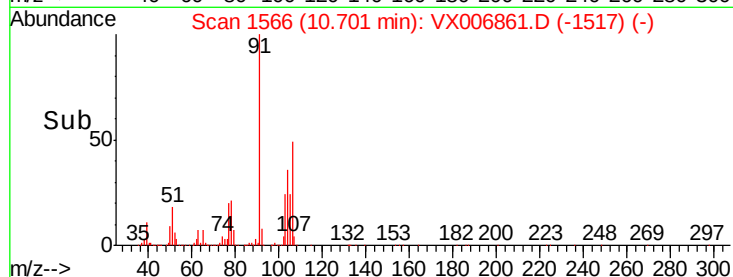
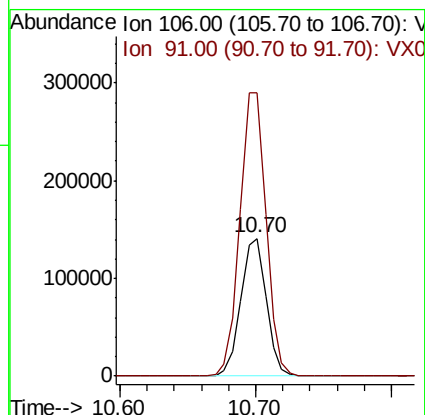
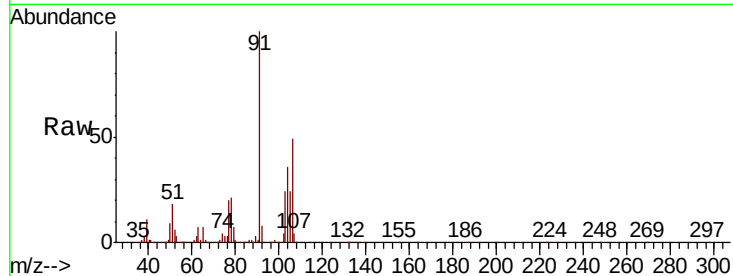
#69
o-Xylene
Concen: 18.867 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.4	101.3	303.7

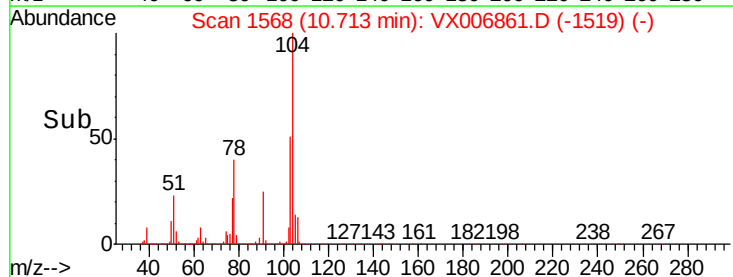
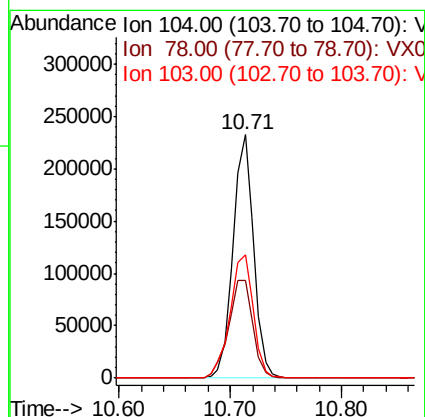
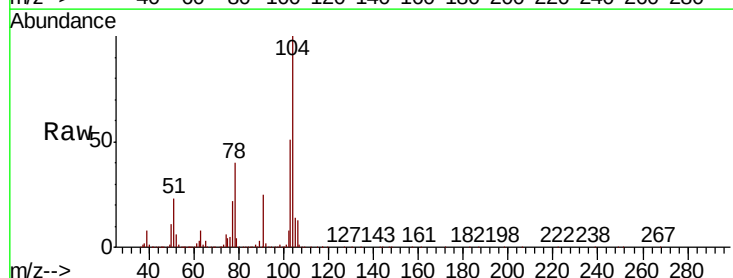
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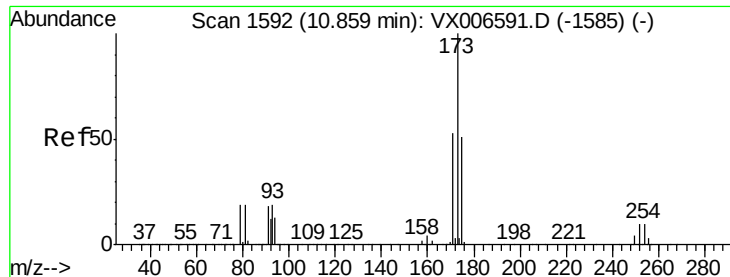
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#70
Styrene
Concen: 19.228 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006861.D
Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	37.7	56.5
103	57.1	43.8	65.8





#71

Bromoform

Concen: 19.193 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion:173 Resp: 70120

Ion Ratio Lower Upper

173 100

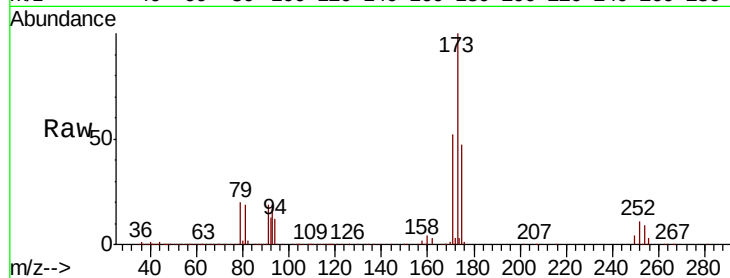
175 48.6 24.7 74.1

254 0.3 0.2 0.2#

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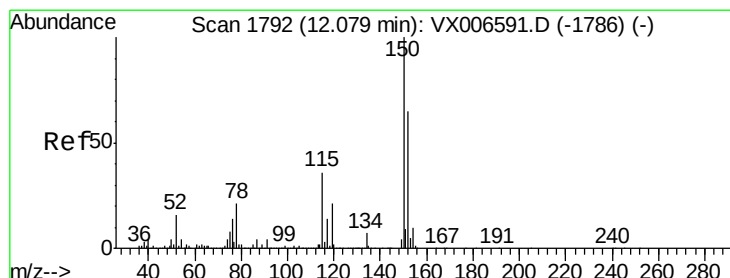
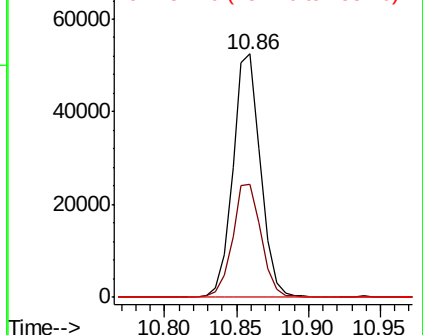
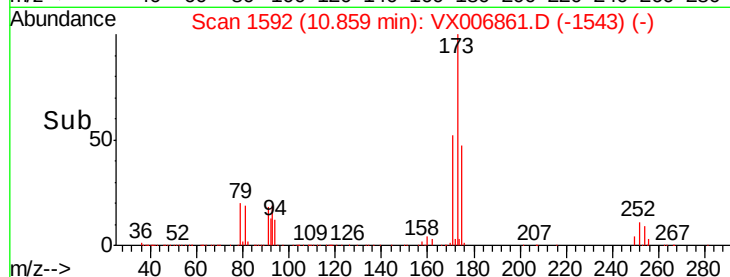
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX006861.D

Acq: 28 Dec 2018 15:13

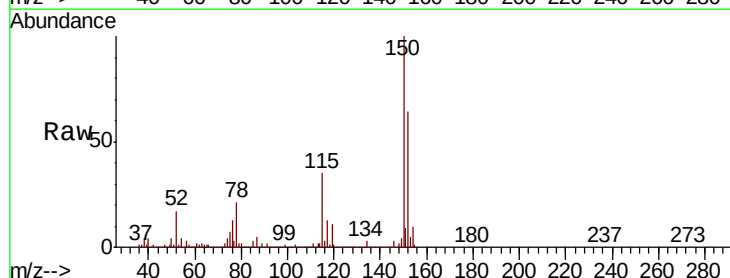
Tgt Ion:152 Resp: 363211

Ion Ratio Lower Upper

152 100

115 62.3 39.1 117.2

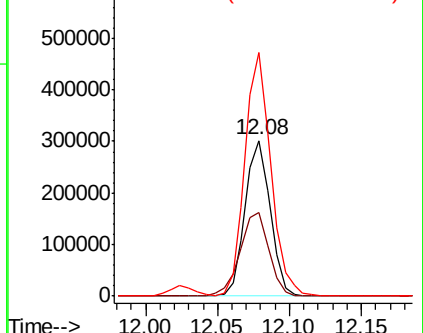
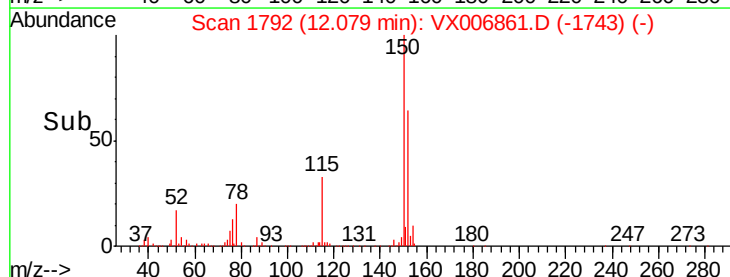
150 161.2 0.0 344.8

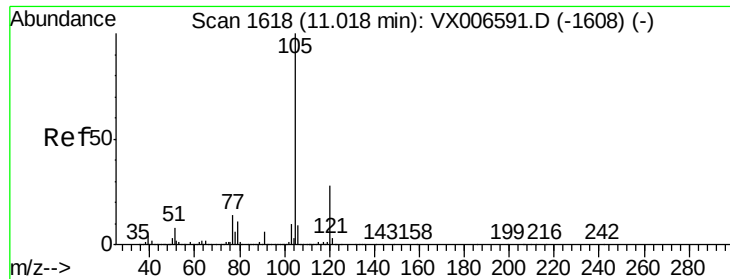


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.776 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion:105 Resp: 491398

Ion Ratio Lower Upper

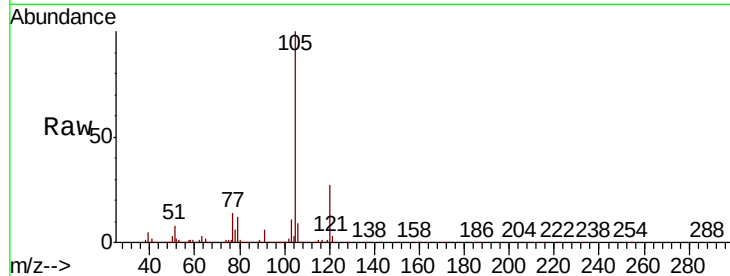
105 100

120 27.6 14.1 42.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

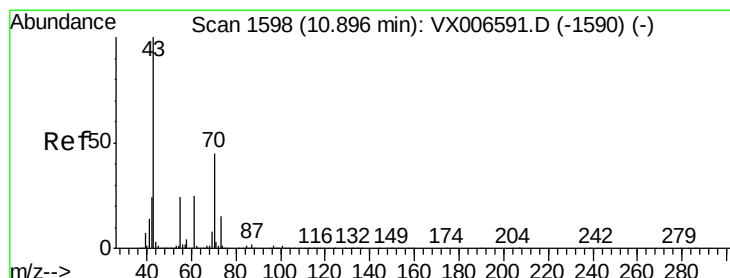
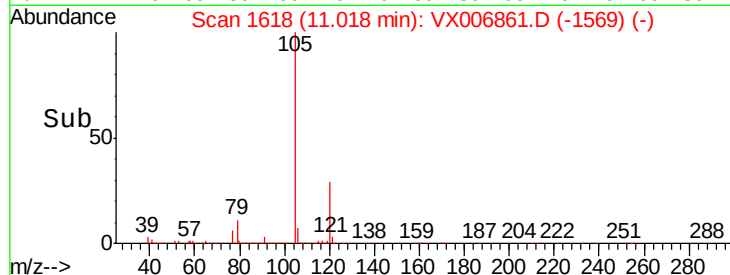
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 22.442 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Tgt Ion: 43 Resp: 199603

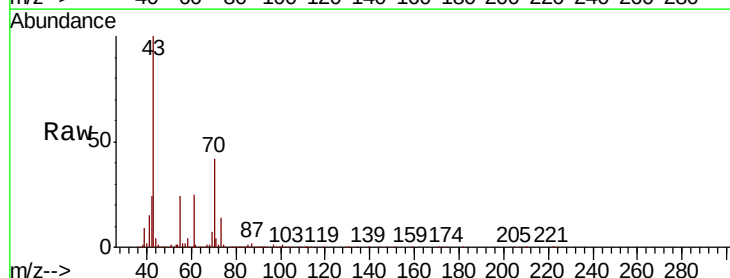
Ion Ratio Lower Upper

43 100

70 42.8 35.8 53.8

55 24.9 19.4 29.0

61 24.7 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

250000

200000

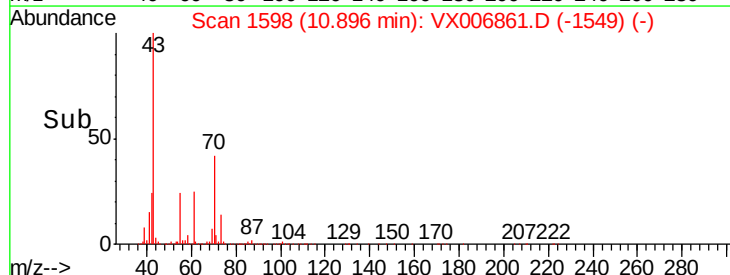
150000

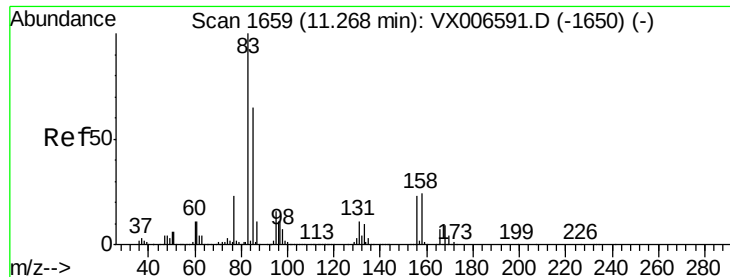
100000

50000

0

Time--> 10.80 10.90





#75

1,1,2,2-Tetrachloroethane

Concen: 21.751 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion: 83 Resp: 160736

Ion Ratio Lower Upper

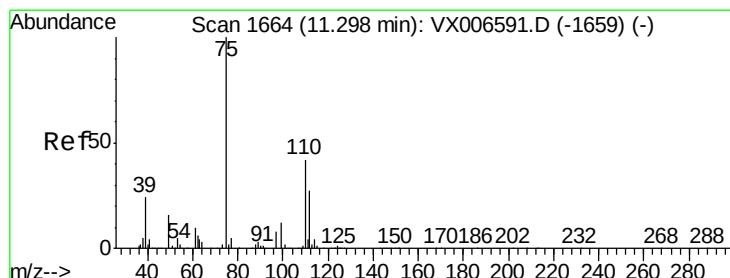
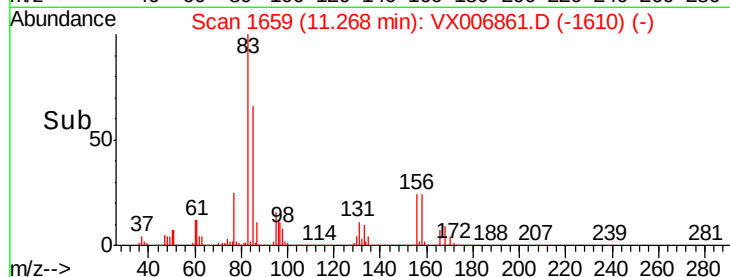
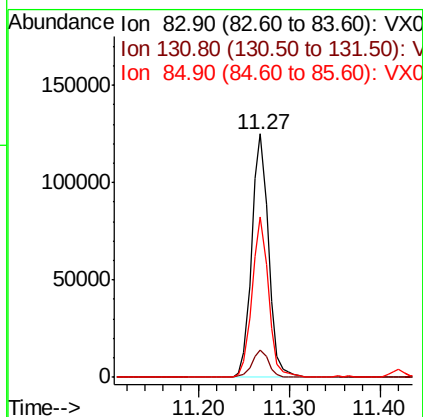
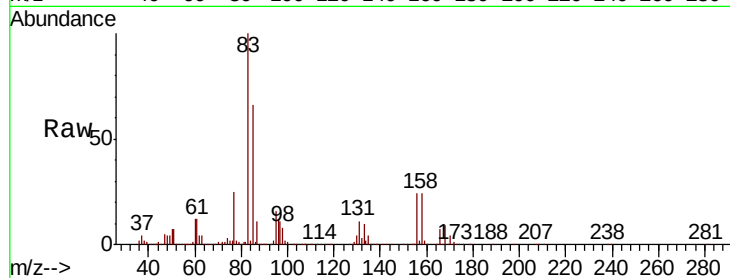
83 100

131 11.1 5.7 17.1

85 64.4 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.540 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006861.D

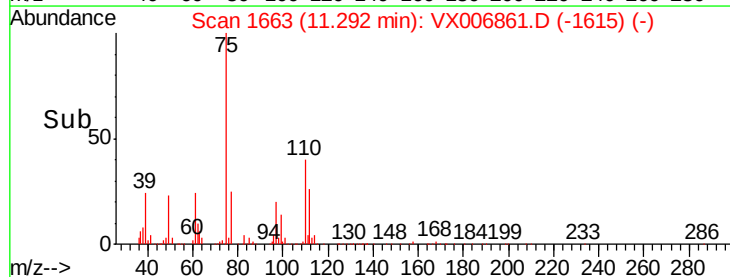
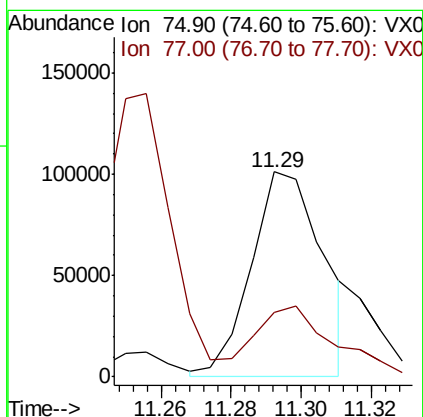
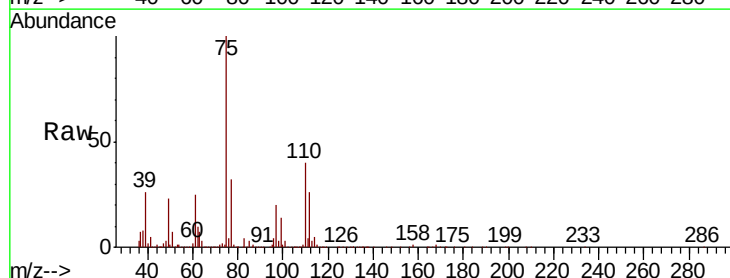
Acq: 28 Dec 2018 15:13

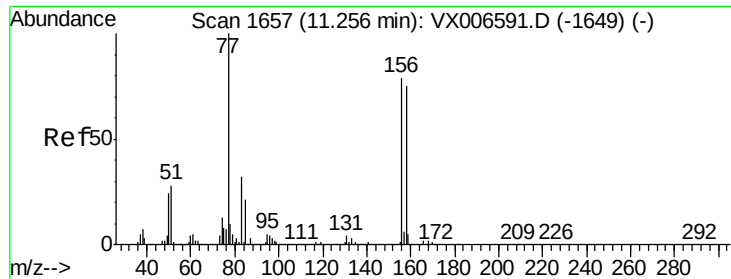
Tgt Ion: 75 Resp: 145397

Ion Ratio Lower Upper

75 100

77 37.3 18.5 55.5





#77

Bromobenzene

Concen: 20.287 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

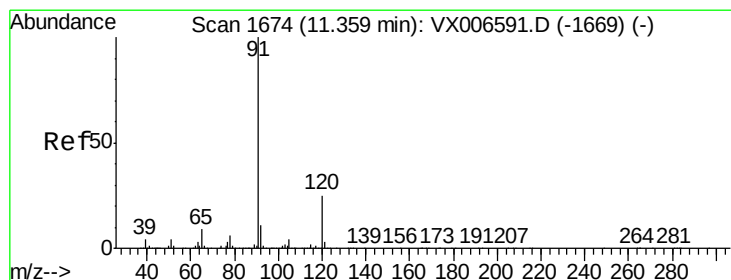
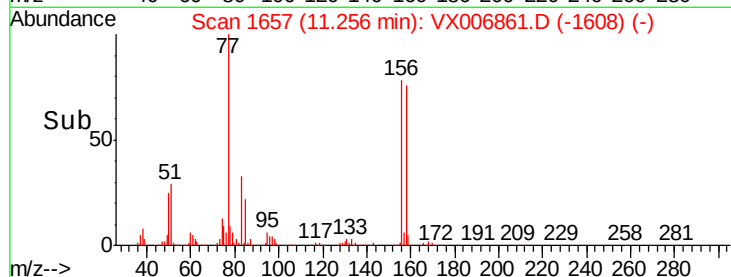
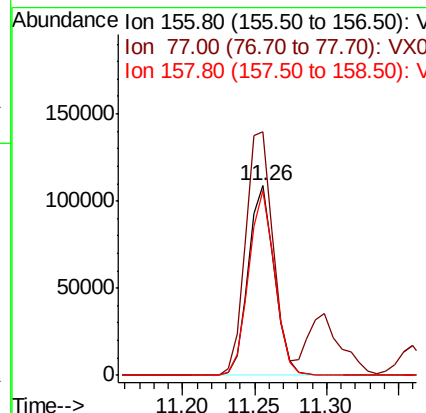
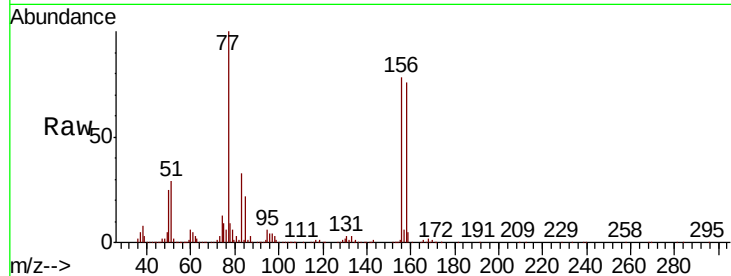
ClientSampleId :

VX1228MBS01

Tot Ion:	156	Resp:	136281
Ion Ratio	Lower	Upper	
156	100		
77	135.0	68.0	204.0
158	96.8	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.799 ug/l

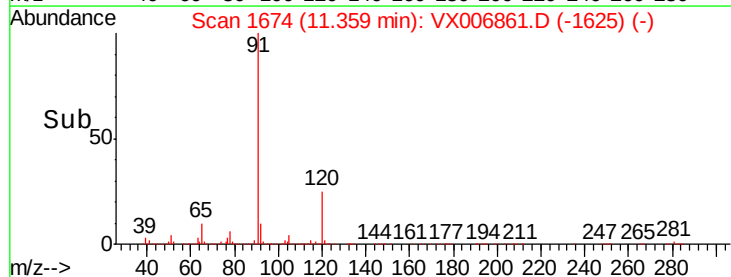
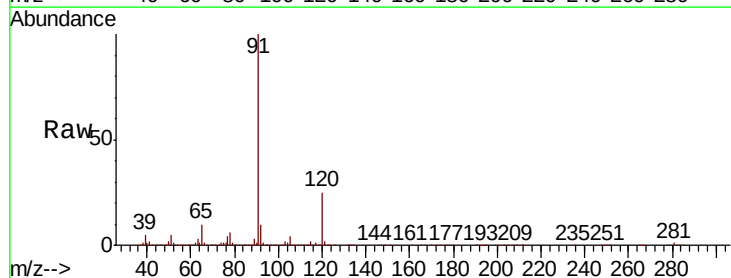
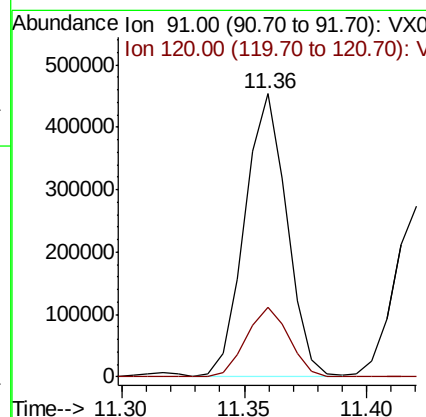
RT: 11.36 min Scan# 1674

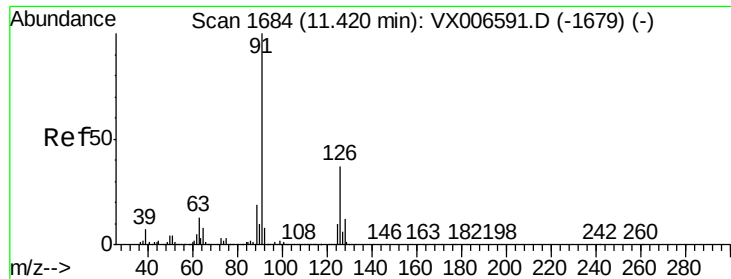
Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Tgt Ion:	91	Resp:	541763
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.763 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampled :

VX1228MBS01

Tot Ion: 91 Resp: 327707

Ion Ratio Lower Upper

91 100

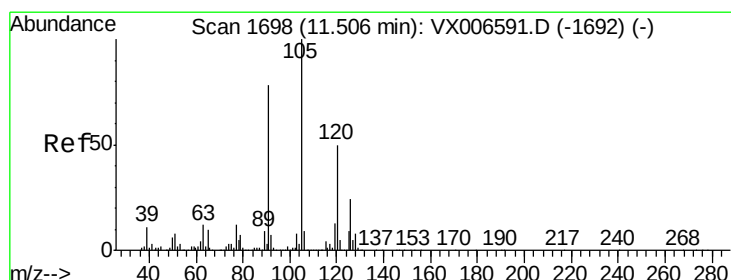
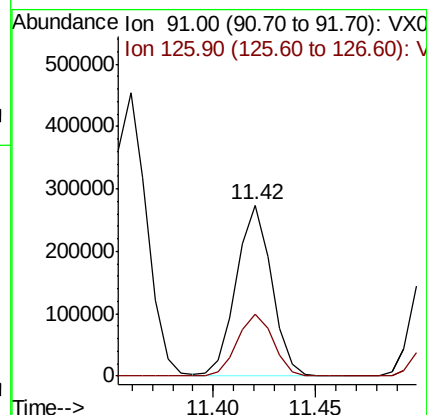
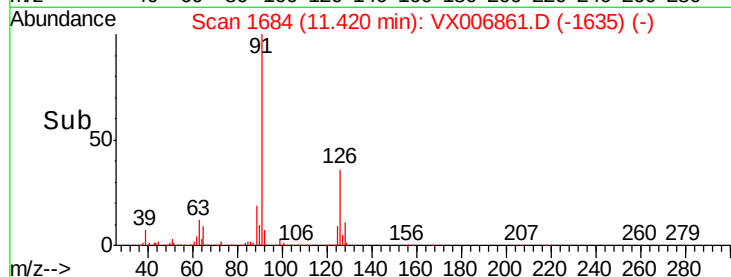
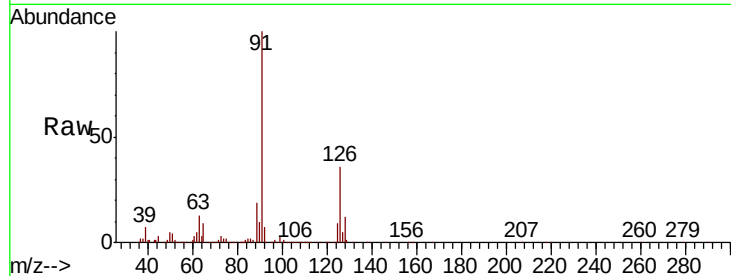
126 37.1 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.586 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006861.D

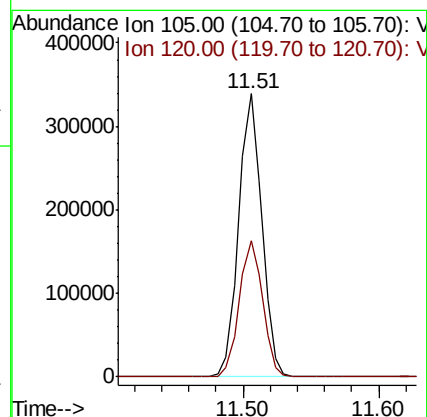
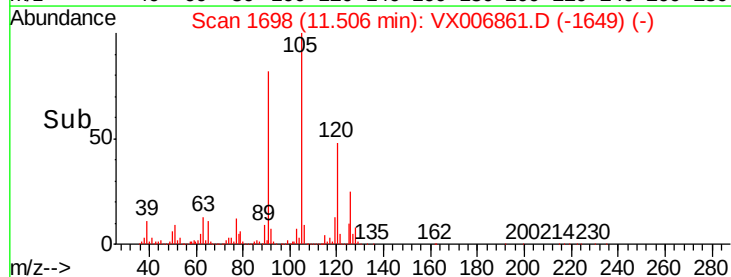
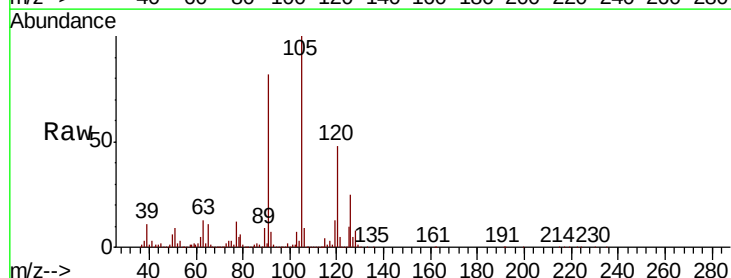
Acq: 28 Dec 2018 15:13

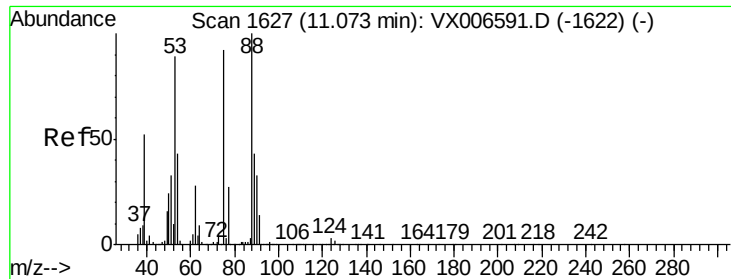
Tgt Ion: 105 Resp: 400847

Ion Ratio Lower Upper

105 100

120 49.0 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.432 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampled :

VX1228MBS01

Tot Ion: 75 Resp: 34407

Ion Ratio Lower Upper

75 100

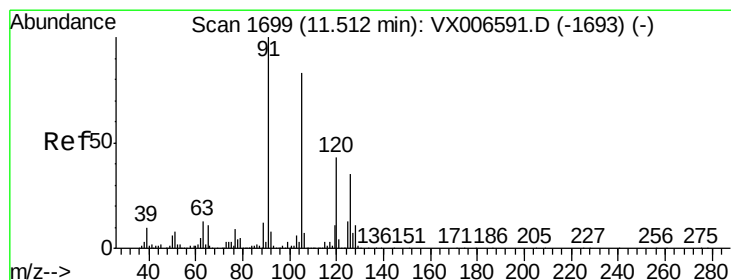
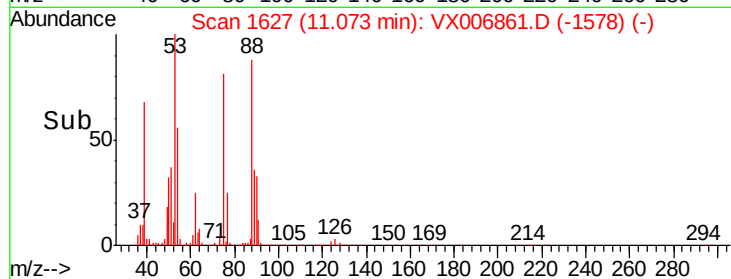
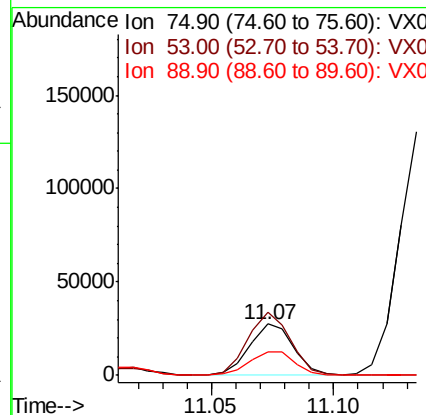
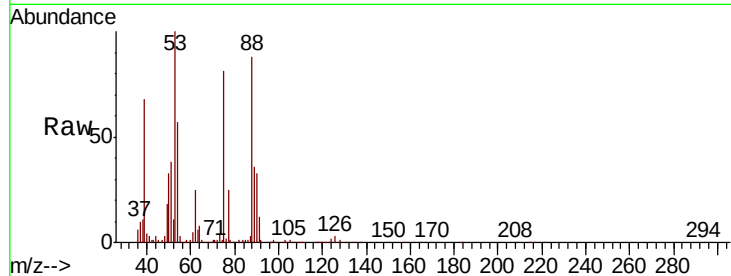
53 121.7 79.7 119.5#

89 47.4 38.0 57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.725 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006861.D

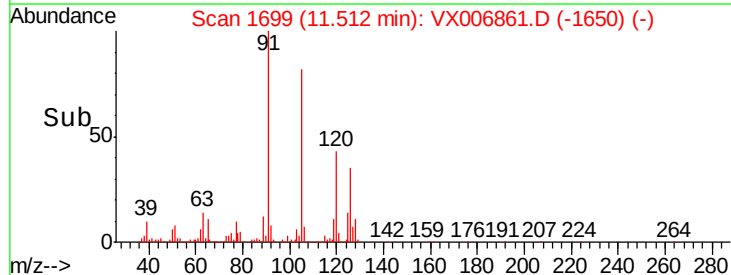
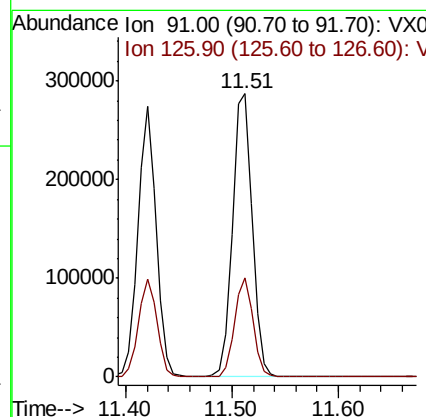
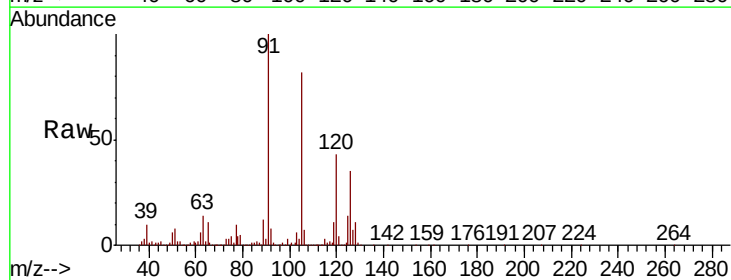
Acq: 28 Dec 2018 15:13

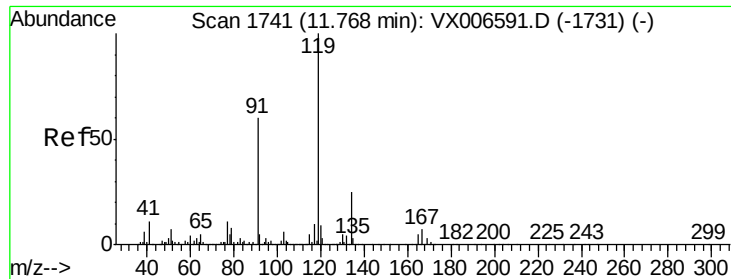
Tgt Ion: 91 Resp: 375177

Ion Ratio Lower Upper

91 100

126 32.7 16.3 48.9





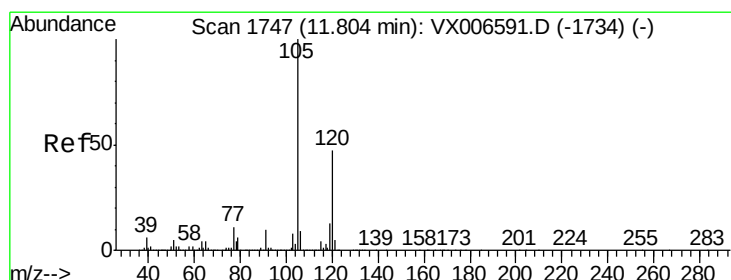
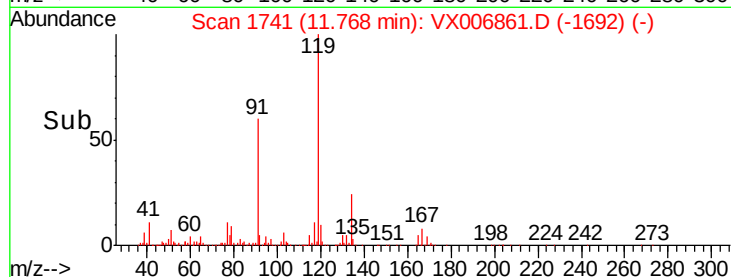
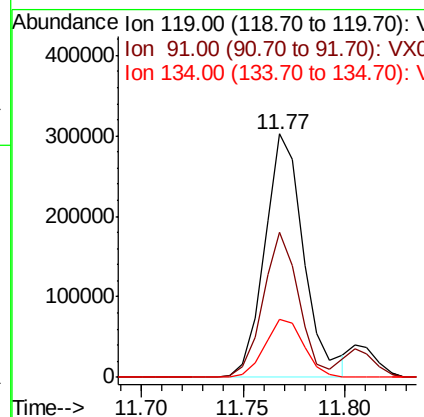
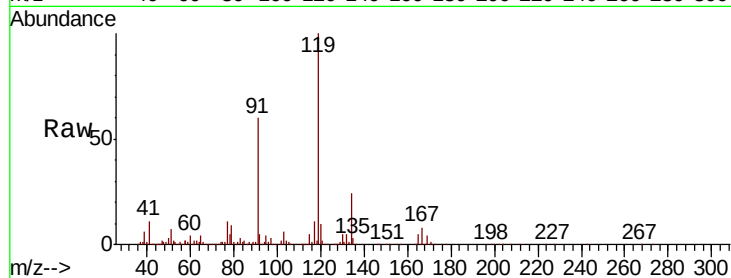
#83
 tert-Butylbenzene
 Concen: 19.659 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	402685		
91	54.7	27.7	83.1	
134	23.9	11.9	35.5	

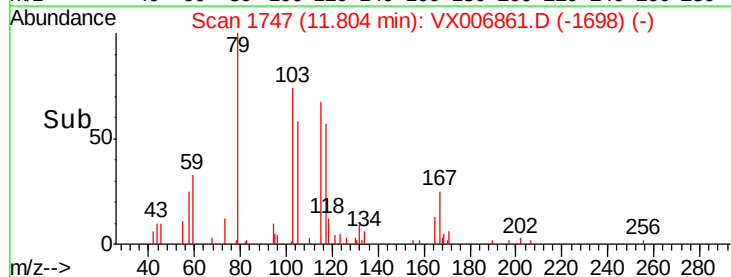
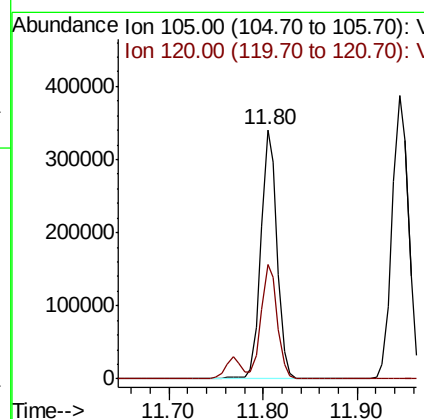
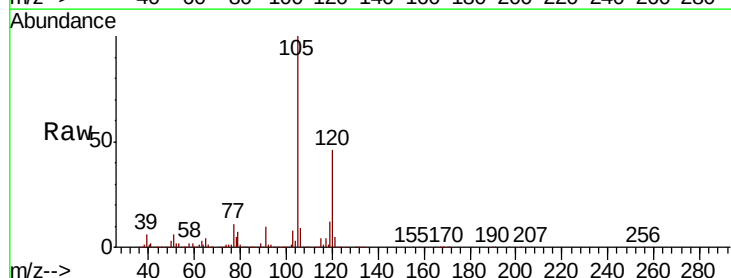
Manual Integrations
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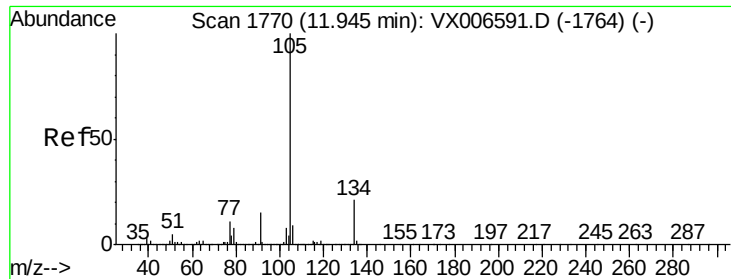
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.188 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	413061		
120	45.7	23.2	69.6	





#85

sec-Butylbenzene

Concen: 18.761 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBS01

Tot Ion:105 Resp: 471164

Ion Ratio Lower Upper

105 100

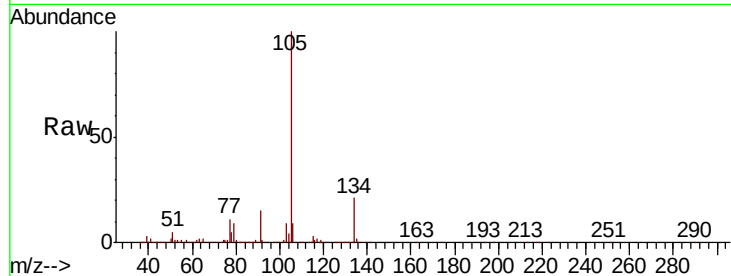
134 21.2 10.7 31.9

Manual Integrations

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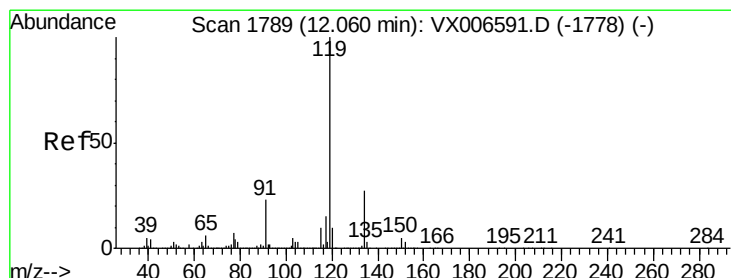
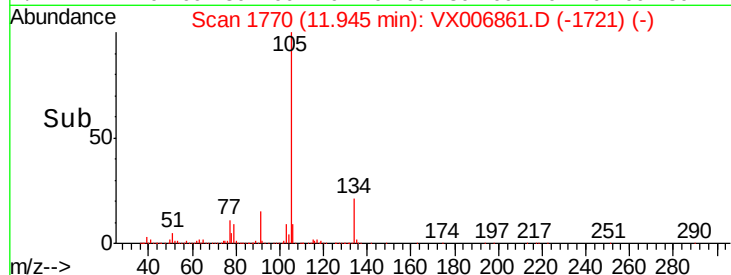
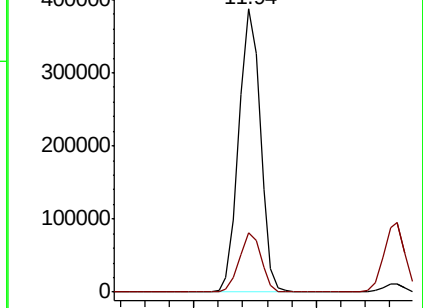
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.018 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

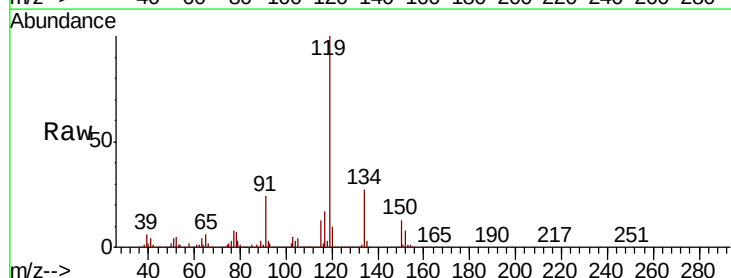
Tgt Ion:119 Resp: 419843

Ion Ratio Lower Upper

119 100

134 27.8 14.0 41.9

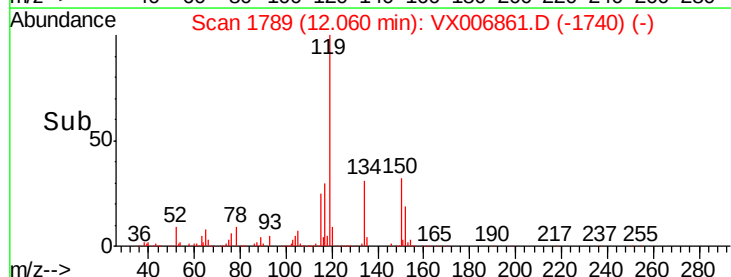
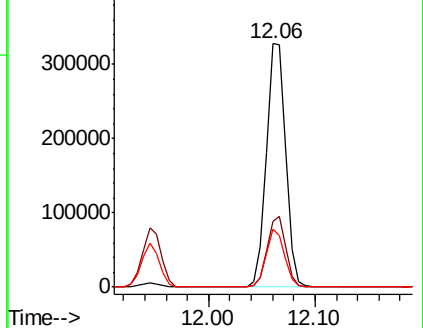
91 22.7 11.3 33.9

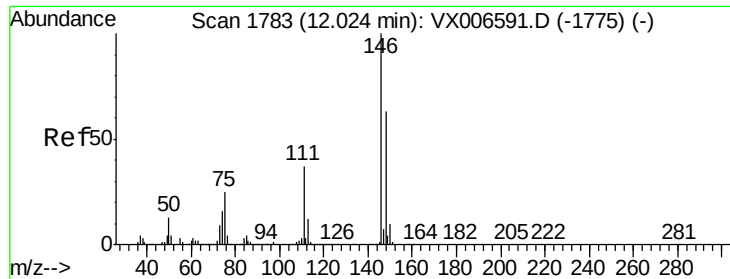


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.446 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

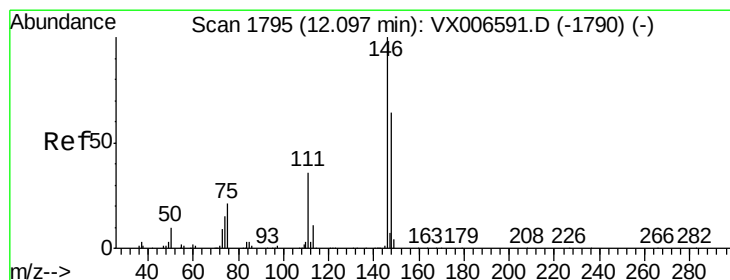
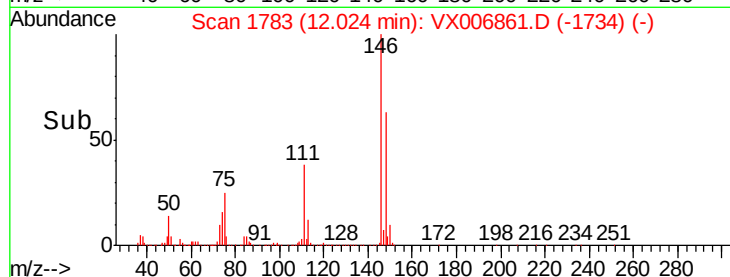
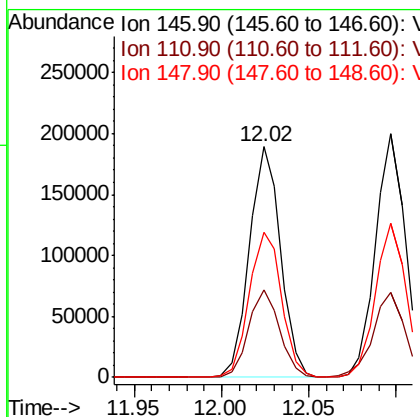
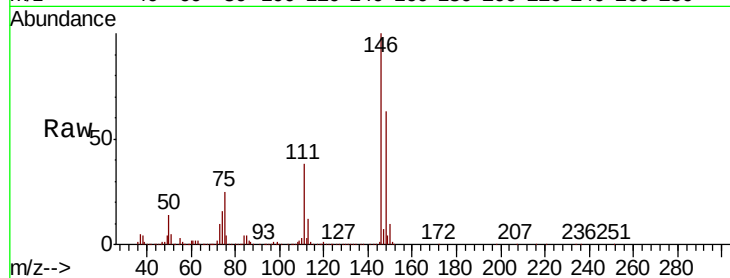
ClientSampled :

VX1228MBS01

Tot Ion:	146	Resp:	235430
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.6	55.8
148	65.0	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 19.151 ug/l

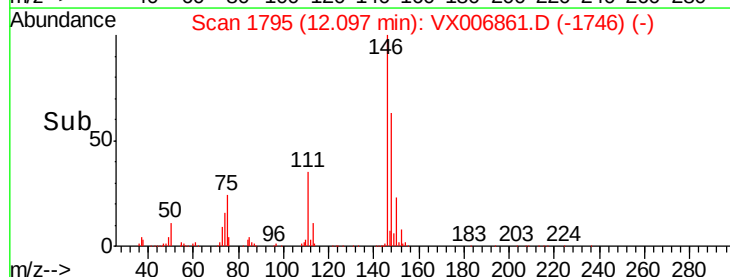
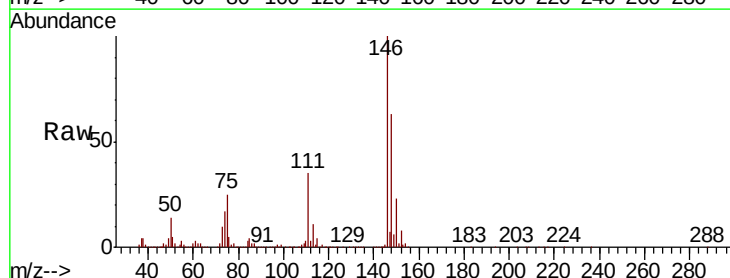
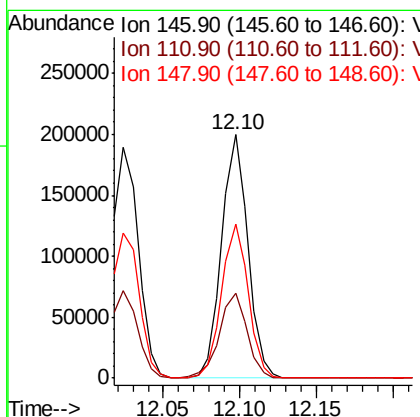
RT: 12.10 min Scan# 1795

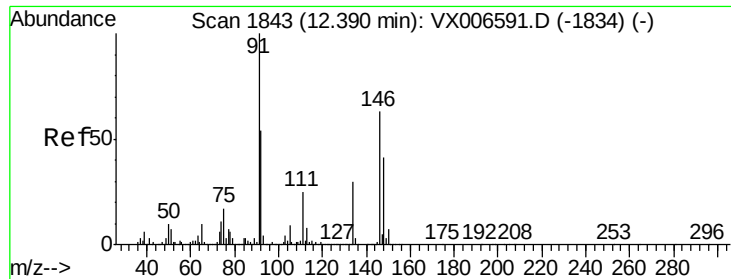
Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Tgt Ion:	146	Resp:	237691
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.1	54.1
148	64.4	31.9	95.9





#89

n-Butylbenzene

Concen: 18.387 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

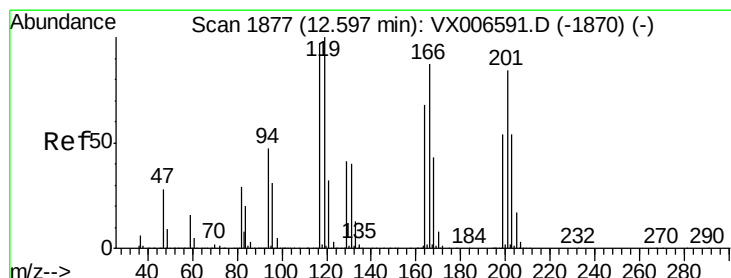
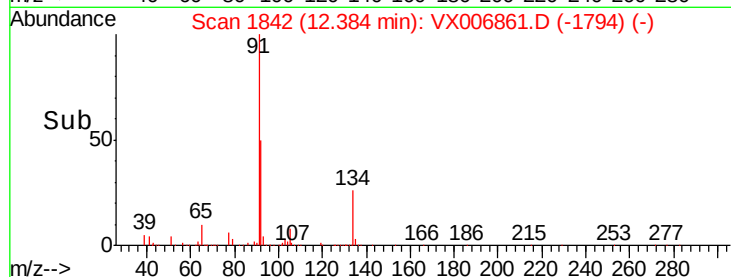
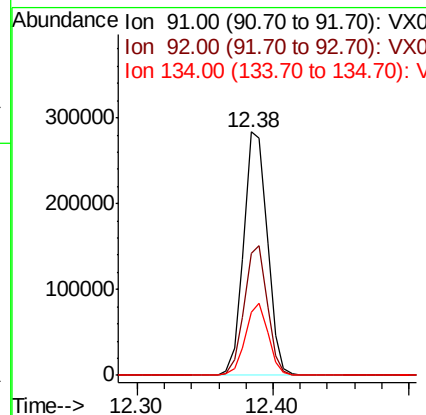
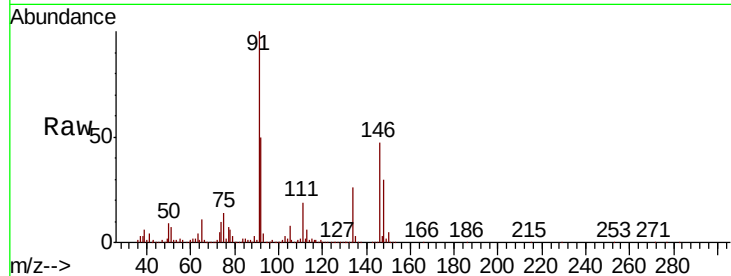
ClientSampled :

VX1228MBS01

Tot Ion:	91	Resp:	345464
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.8	80.4
134	28.3	14.4	43.2

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#90

Hexachloroethane

Concen: 18.388 ug/l

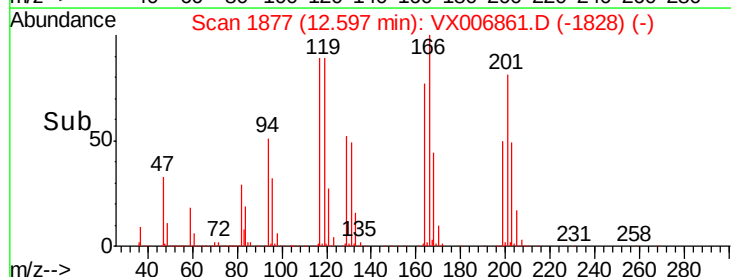
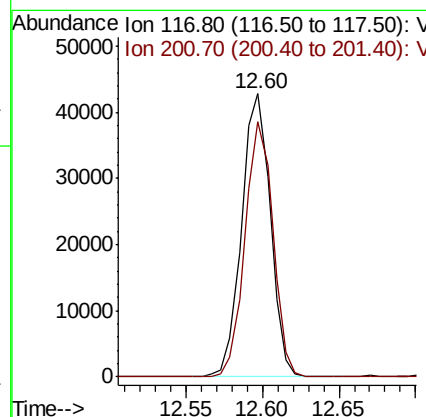
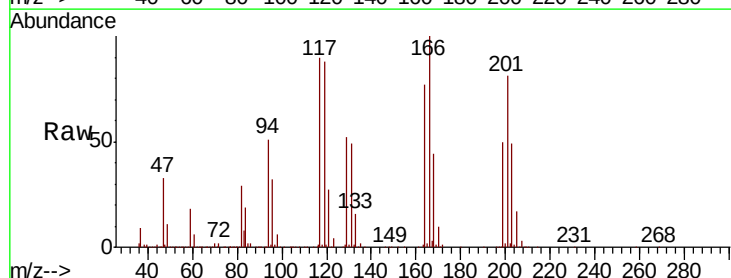
RT: 12.60 min Scan# 1877

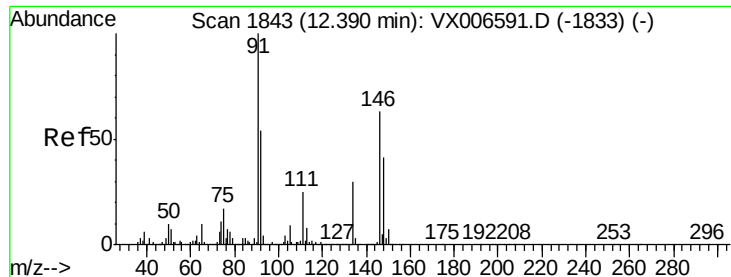
Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Tgt Ion:	117	Resp:	55829
Ion Ratio	Lower	Upper	
117	100		
201	87.7	42.9	128.7





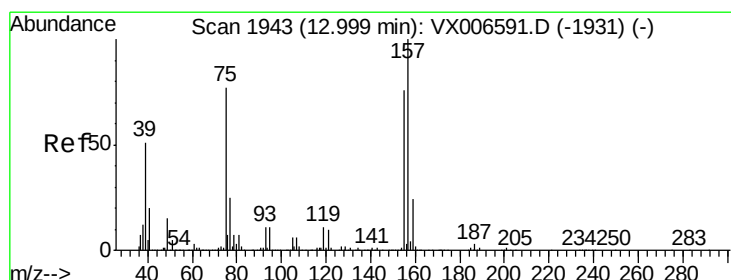
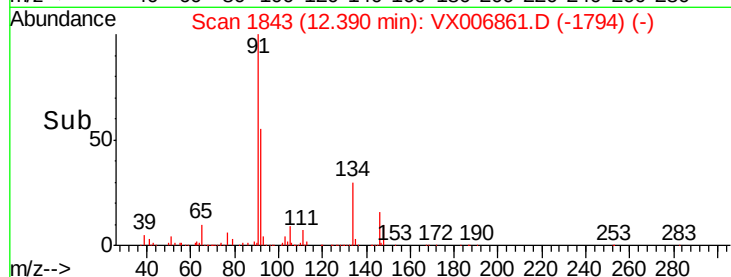
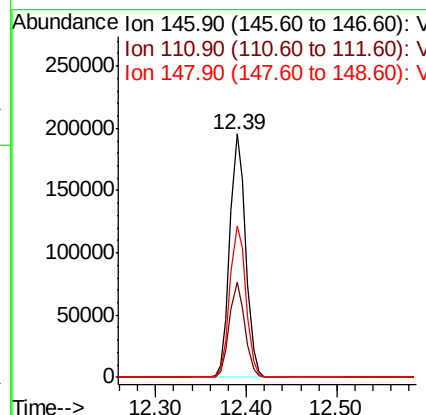
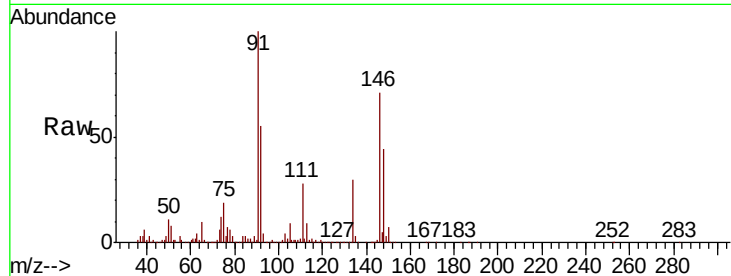
#91
 1,2-Dichlorobenzene
 Concen: 19.654 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Instrument :
 MSVOA_X
 ClientSampled :
 VX1228MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.2
148	63.5	32.3	96.9

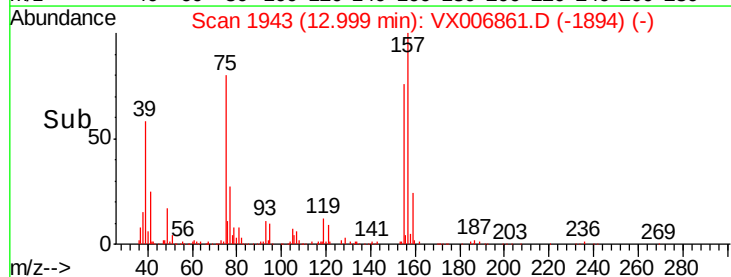
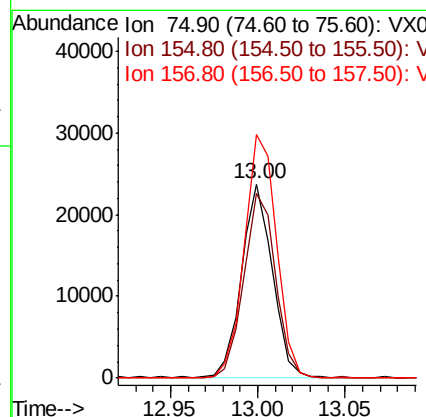
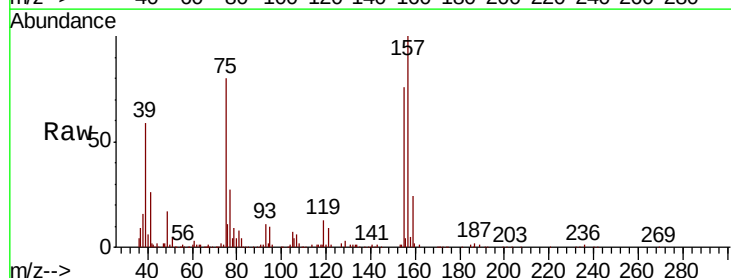
Manual Integrations
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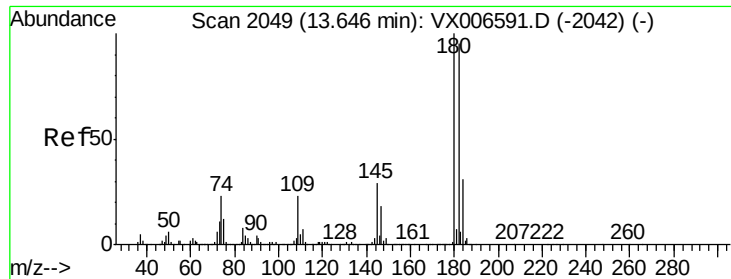
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.085 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	50.6	151.8
157	130.6	64.6	193.8





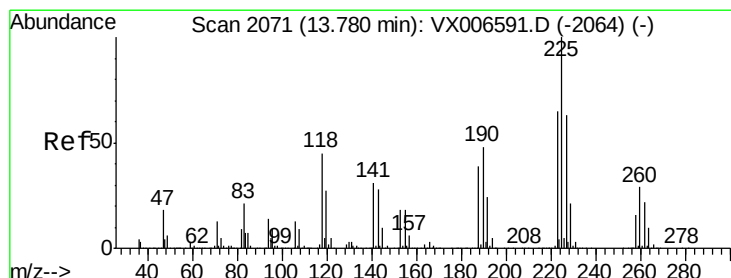
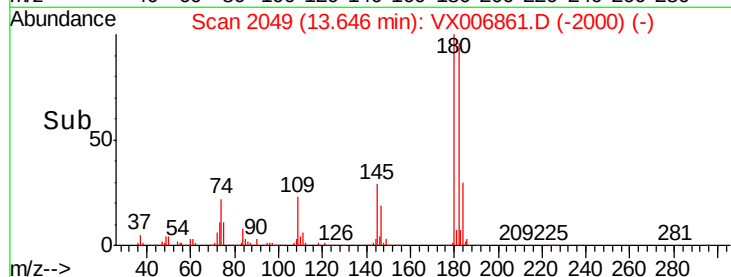
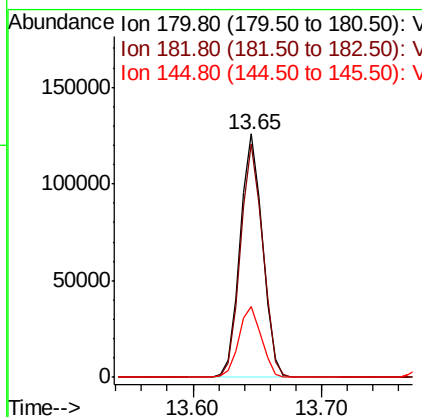
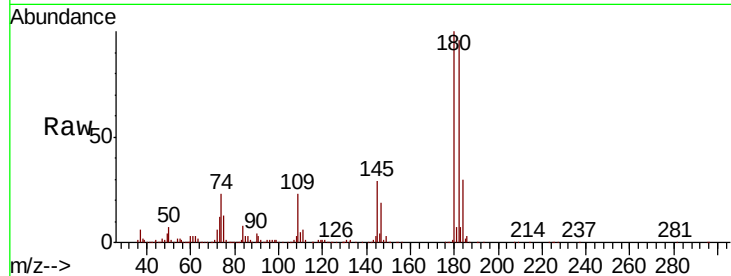
#93
 1,2,4-Trichlorobenzene
 Concen: 18.207 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152110		
182	95.3	47.3	142.0	
145	29.4	14.8	44.3	

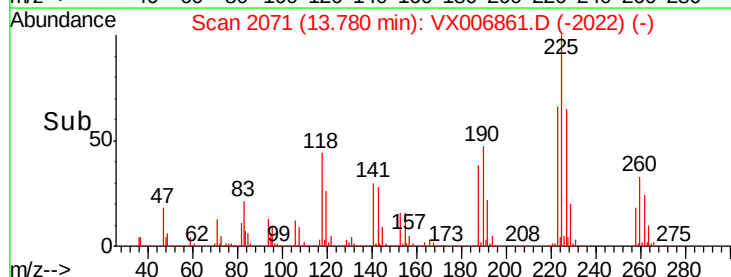
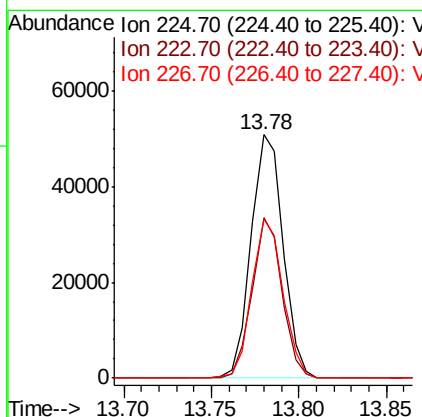
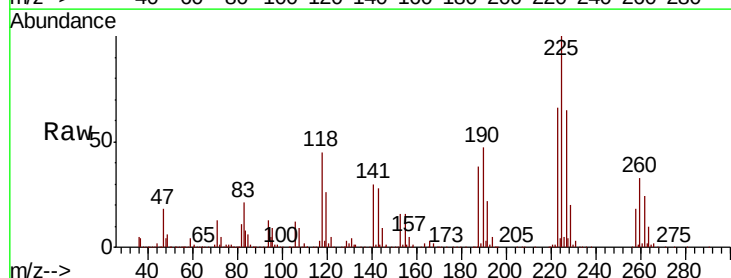
Manual Integrations
 APPROVED

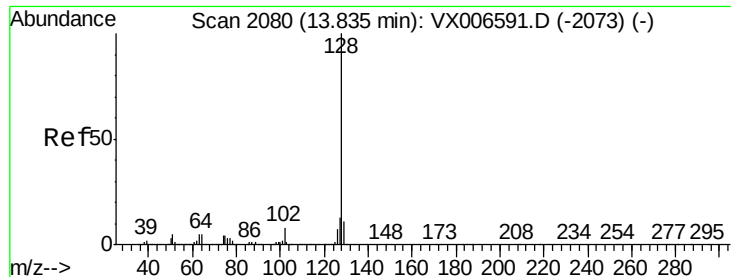
MMDadoda
 1/2/2019 10:46:51 AM



#94
 Hexachlorobutadiene
 Concen: 16.453 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006861.D
 Acq: 28 Dec 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64788		
223	61.7	32.1	96.3	
227	63.5	32.3	96.8	





#95

Naphthalene

Concen: 18.127 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Instrument :

MSVOA_X

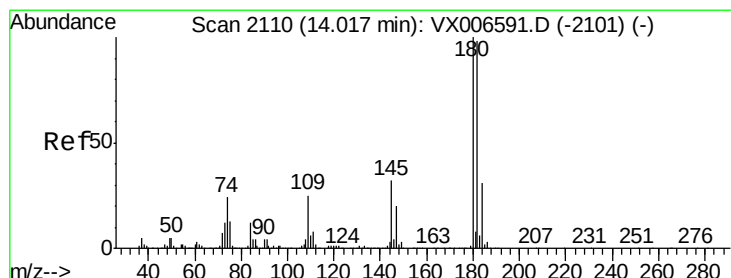
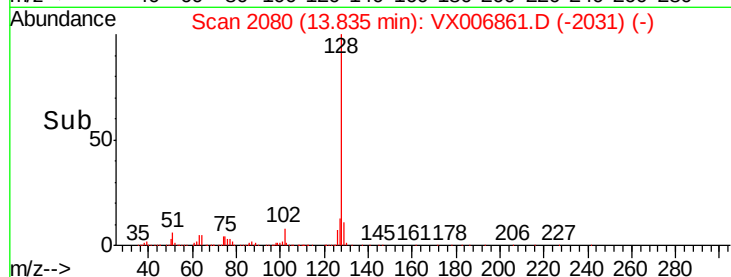
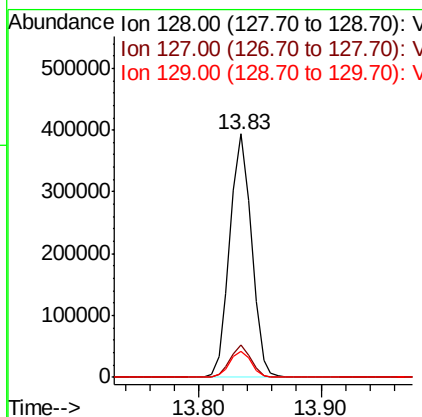
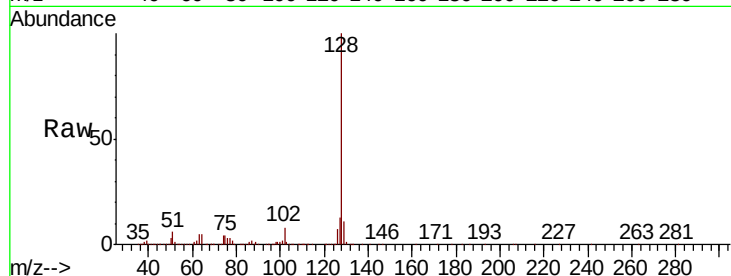
ClientSampled :

VX1228MBS01

Tot Ion:	128	Resp:	483326
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/2/2019 10:46:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.302 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006861.D

Acq: 28 Dec 2018 15:13

Tgt Ion:	180	Resp:	149239
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.5	145.5
145	31.3	16.0	47.9

