

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122818\
 Data File : VX006851.D
 Acq On : 28 Dec 2018 10:47
 Operator : JC/MD
 Sample : VX1228WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 10:46:39 AM

Quant Time: Dec 28 23:55:38 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	563653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	832980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	744984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	375856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	288152	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	5.51	113	258051	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.71	98	949964	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.13	95	337833	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	82837	16.065	ug/l	98
3) Chloromethane	1.33	50	90557	16.301	ug/l	99
4) Vinyl Chloride	1.41	62	102196	17.614	ug/l	100
5) Bromomethane	1.64	94	98488	16.922	ug/l	95
6) Chloroethane	1.72	64	69321	17.255	ug/l	95
7) Trichlorofluoromethane	1.93	101	165128	18.255	ug/l	93
8) Diethyl Ether	2.20	74	65269	18.166	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	95579	17.996	ug/l	98
10) Methyl Iodide	2.51	142	128268	16.871	ug/l	100
11) Tert butyl alcohol	3.07	59	128452	94.747	ug/l	99
12) 1,1-Dichloroethene	2.37	96	88289	17.531	ug/l	97
13) Acrolein	2.30	56	81661	89.287	ug/l	98
14) Allyl chloride	2.73	41	155826	18.382	ug/l	99
15) Acrylonitrile	3.15	53	296924	98.641	ug/l	100
16) Acetone	2.45	43	260497	93.336	ug/l	98
17) Carbon Disulfide	2.57	76	185973	13.954	ug/l	99
18) Methyl Acetate	2.78	43	176242	21.475	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	334396	20.006	ug/l	99
20) Methylene Chloride	2.86	84	106931	18.528	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	96966	17.377	ug/l	97
22) Diisopropyl ether	3.87	45	308280	19.879	ug/l	97
23) Vinyl Acetate	3.82	43	1211335	95.493	ug/l	99
24) 1,1-Dichloroethane	3.70	63	170126	18.377	ug/l	97
25) 2-Butanone	4.70	43	372876	94.980	ug/l	99
26) 2,2-Dichloropropane	4.58	77	123169	17.224	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	114018	18.520	ug/l	99
28) Bromochloromethane	5.02	49	80352	19.458	ug/l	96
29) Tetrahydrofuran	5.15	42	247076	95.556	ug/l	97
30) Chloroform	5.21	83	178976	18.669	ug/l	96
31) Cyclohexane	5.57	56	137929	16.400	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	146741	18.128	ug/l	98
36) 1,1-Dichloropropene	5.80	75	124231	18.007	ug/l	98
37) Ethyl Acetate	4.86	43	137891	19.203	ug/l	99
38) Carbon Tetrachloride	5.78	117	121205	18.078	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	143333	15.781	ug/l	100
40) Benzene	6.14	78	400214	19.084	ug/l	98
41) Methacrylonitrile	5.06	41	79484	20.849	ug/l	98
42) 1,2-Dichloroethane	6.20	62	135764	18.999	ug/l	100
43) Isopropyl Acetate	6.46	43	226144	20.699	ug/l	98
44) Trichloroethene	7.21	130	113468	17.877	ug/l	95
45) 1,2-Dichloropropane	7.51	63	99953	19.586	ug/l	99
46) Dibromomethane	7.66	93	70427	18.762	ug/l	97
47) Bromodichloromethane	7.90	83	117683	18.884	ug/l	95
48) Methyl methacrylate	7.77	41	117555	21.158	ug/l	97
49) 1,4-Dioxane	7.75	88	51922	344.135	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	720475	103.641	ug/l	99
52) Toluene	8.78	92	255330	18.846	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	124852	18.680	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	143246	19.533	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	110605	19.945	ug/l	97
56) Ethyl methacrylate	9.18	69	158466	20.218	ug/l	96
57) 1,3-Dichloropropane	9.37	76	174747	19.586	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	407756	97.871	ug/l	100
59) 2-Hexanone	9.49	43	544550	102.382	ug/l	99
60) Dibromochloromethane	9.59	129	99167	18.628	ug/l	97
61) 1,2-Dibromoethane	9.67	107	114345	19.397	ug/l	98
64) Tetrachloroethene	9.34	164	112424	19.058	ug/l	97
65) Chlorobenzene	10.14	112	295227	18.732	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	100615	20.461	ug/l	99
67) Ethyl Benzene	10.25	91	481608	18.700	ug/l	100
68) m/p-Xylenes	10.36	106	380379	37.430	ug/l	100
69) o-Xylene	10.70	106	188932	18.827	ug/l	99
70) Styrene	10.71	104	302081	19.027	ug/l	99
71) Bromoform	10.86	173	70789	18.996	ug/l	97
73) Isopropylbenzene	11.02	105	492794	19.165	ug/l	99
74) N-amyl acetate	10.90	43	196738	21.376	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	157116	20.546	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	148062m	21.197	ug/l	
77) Bromobenzene	11.26	156	135080	19.431	ug/l	98
78) n-propylbenzene	11.36	91	542609	19.163	ug/l	99
79) 2-Chlorotoluene	11.42	91	319944	18.646	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	399892	18.882	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34031	17.804	ug/l	86
82) 4-Chlorotoluene	11.51	91	371066	18.852	ug/l	100
83) tert-Butylbenzene	11.77	119	388516	18.329	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	413932	18.581	ug/l	99
85) sec-Butylbenzene	11.94	105	465871	17.926	ug/l	100
86) p-Isopropyltoluene	12.06	119	415219	18.176	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	237362	18.946	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	235569	18.341	ug/l	98
89) n-Butylbenzene	12.39	91	340474	17.512	ug/l	99
90) Hexachloroethane	12.60	117	55550	17.807	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	235608	18.799	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29073	18.374	ug/l	98

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Instrument :
MSVOA_X
ClientSampleId :
VX1228WBS01

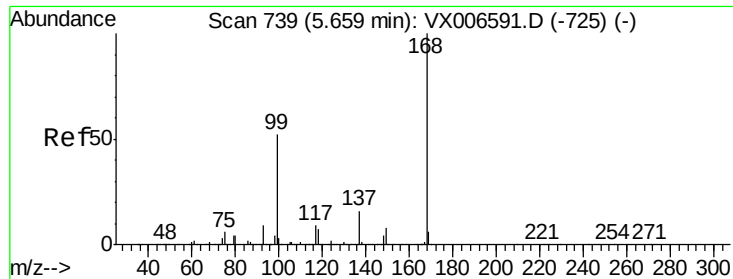
Manual Integrations
APPROVED

MMDadoda
1/2/2019 10:46:39 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	151498	17.524	ug/l	99
94) Hexachlorobutadiene	13.78	225	60512	14.850	ug/l	99
95) Naphthalene	13.83	128	475785	17.243	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	149230	16.719	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: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX1228WBS01

Tot Ion:168 Resp: 563653

Ion Ratio Lower Upper

168 100

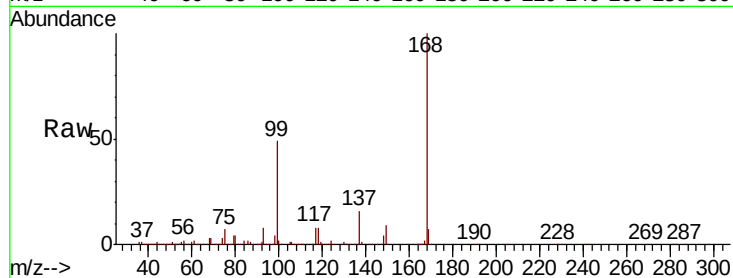
99 48.9 41.8 62.8

Manual Integrations

APPROVED

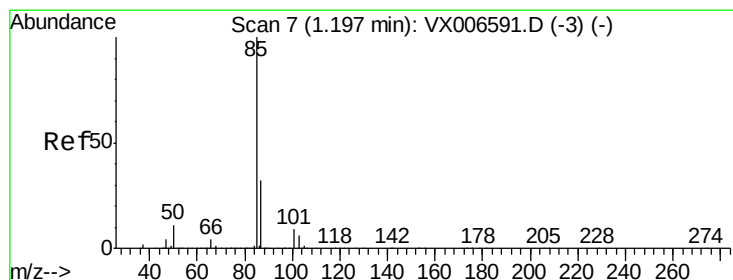
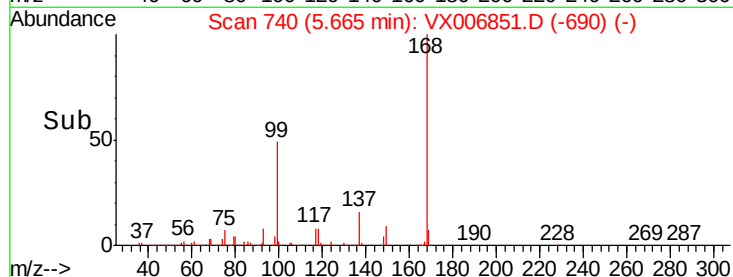
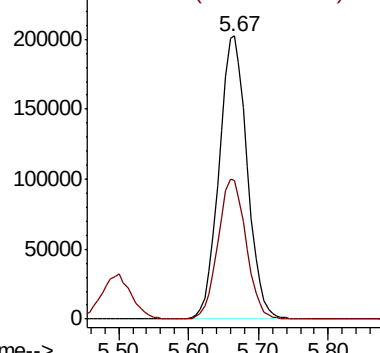
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.065 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006851.D

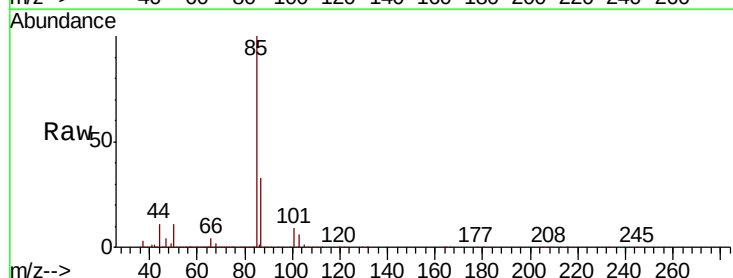
Acq: 28 Dec 2018 10:47

Tgt Ion: 85 Resp: 82837

Ion Ratio Lower Upper

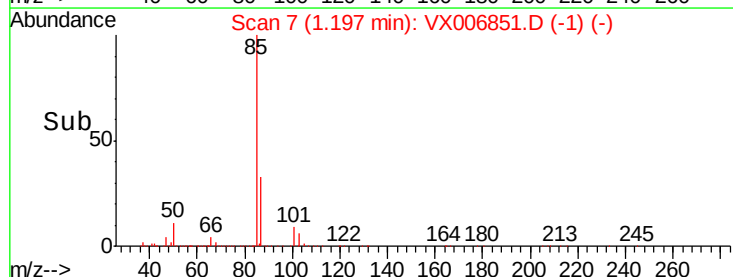
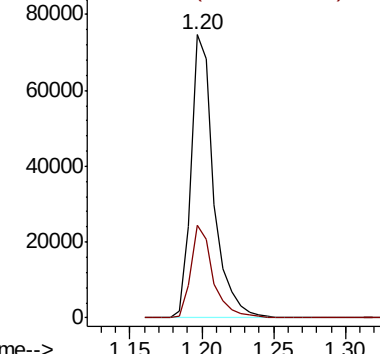
85 100

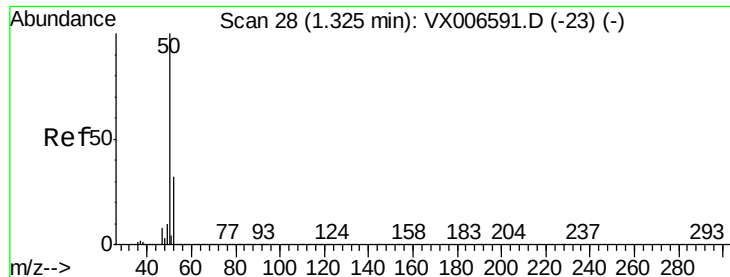
87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.301 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX1228WBS01

Tot Ion: 50 Resp: 90557

Ion Ratio Lower Upper

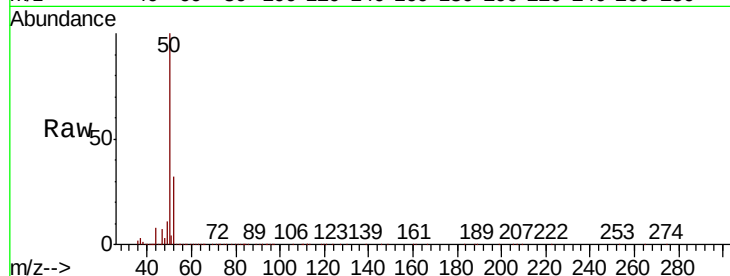
50 100

52 32.2 25.4 38.2

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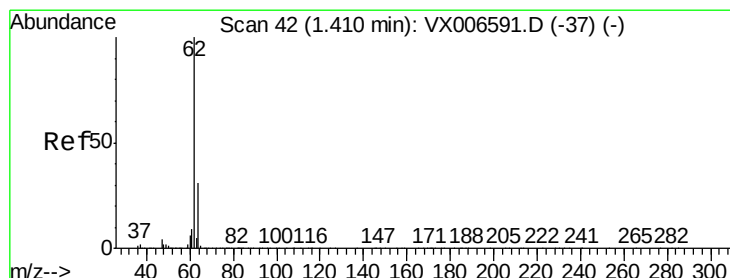
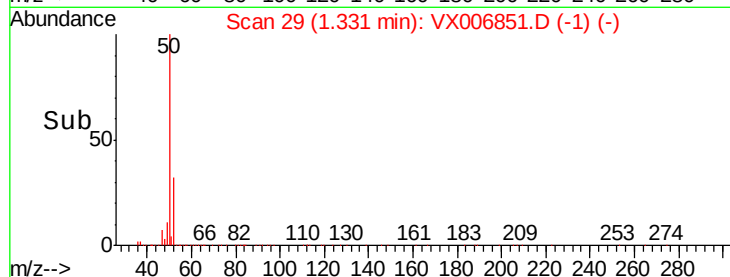
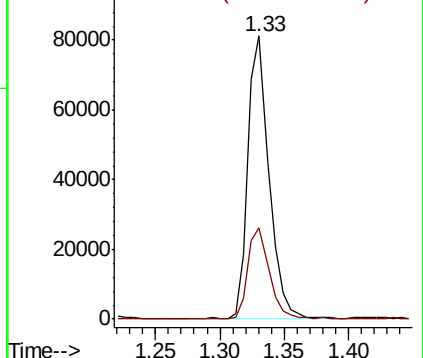
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.614 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006851.D

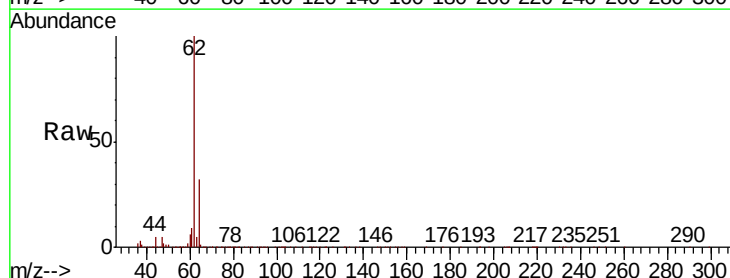
Acq: 28 Dec 2018 10:47

Tgt Ion: 62 Resp: 102196

Ion Ratio Lower Upper

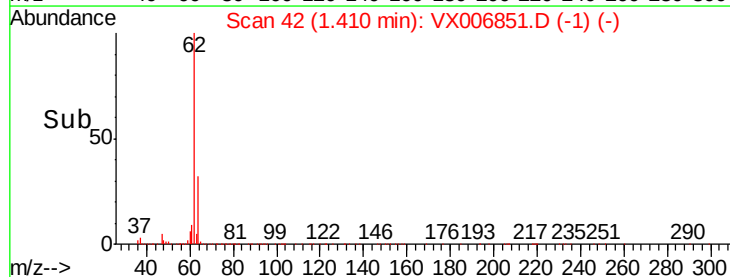
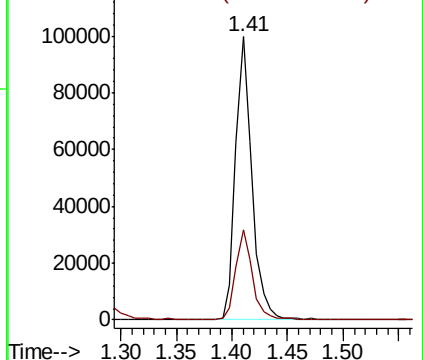
62 100

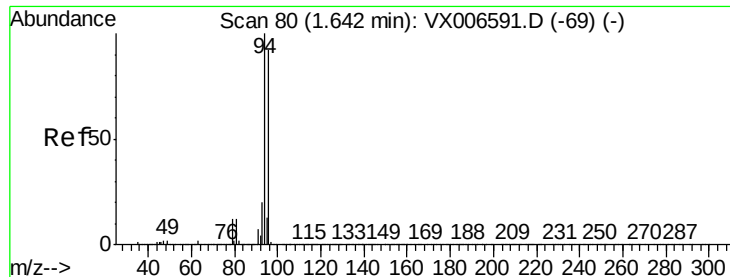
64 31.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.922 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tot Ion: 94 Resp: 98488

Ion Ratio Lower Upper

94 100

96 96.9 73.4 110.2

Instrument :

MSVOA_X

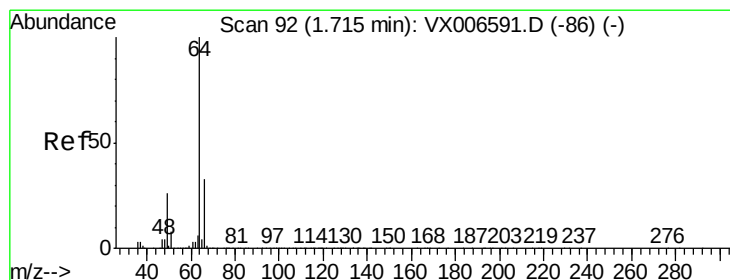
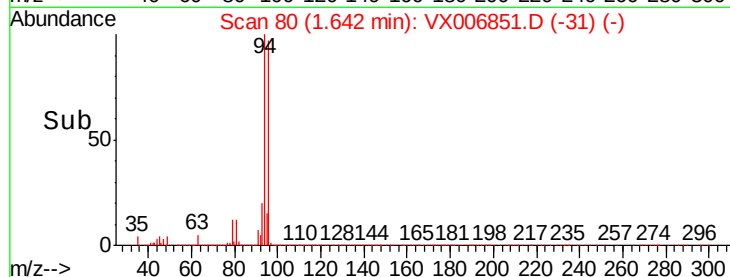
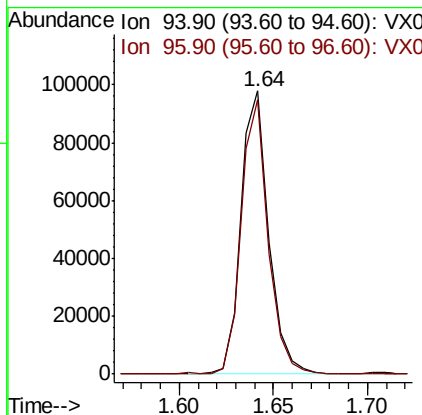
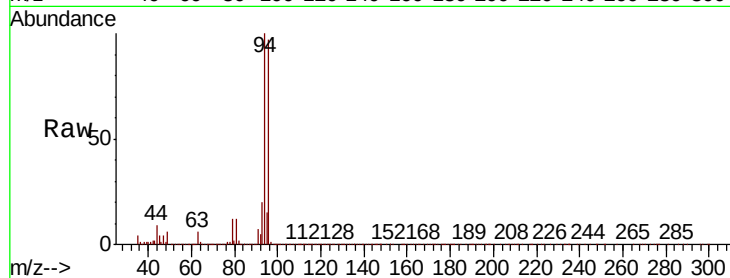
ClientSampled :

VX1228WBS01

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#6

Chloroethane

Concen: 17.255 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006851.D

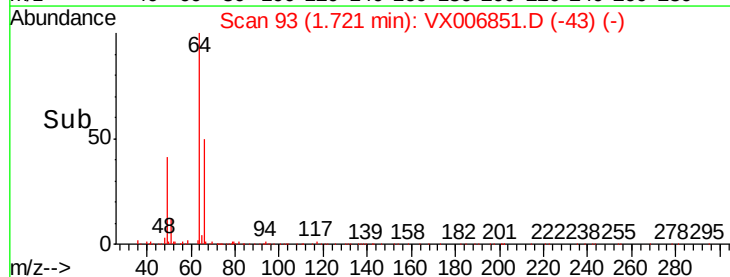
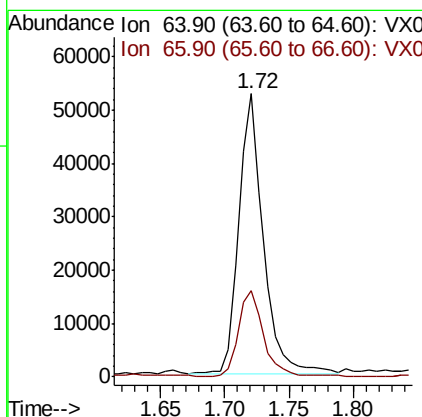
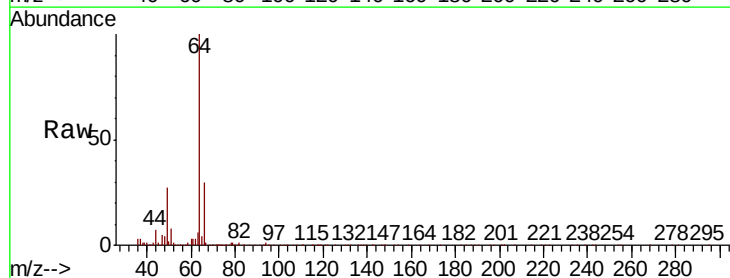
Acq: 28 Dec 2018 10:47

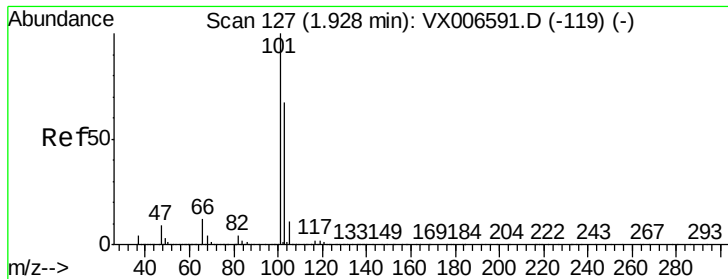
Tgt Ion: 64 Resp: 69321

Ion Ratio Lower Upper

64 100

66 30.1 26.4 39.6





#7

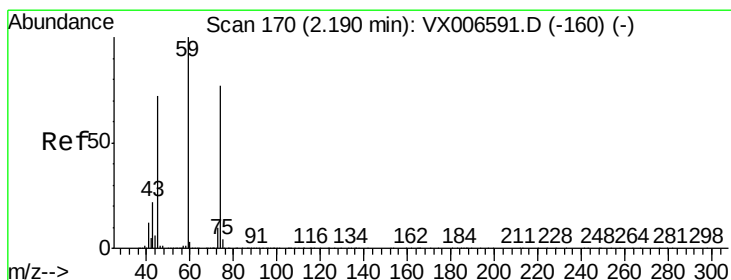
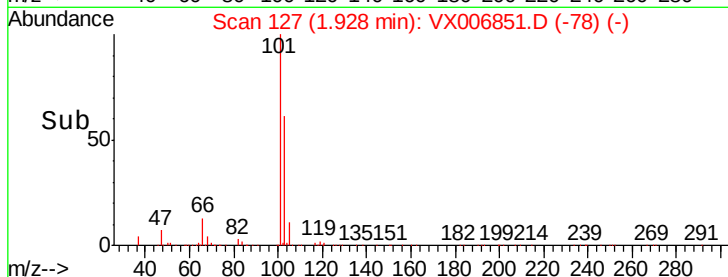
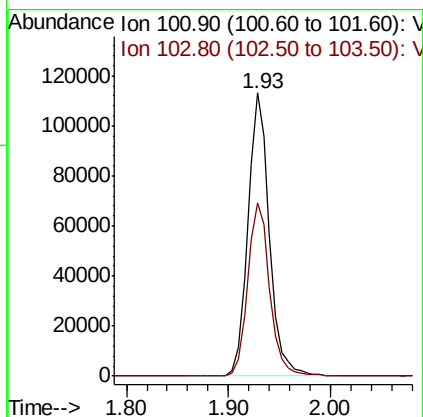
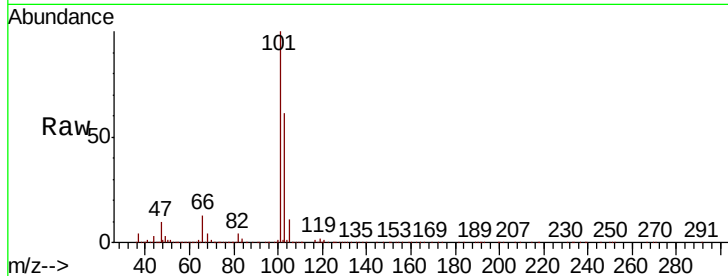
Trichlorofluoromethane
Concen: 18.255 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX1228WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	53.2	79.8

Manual Integrations
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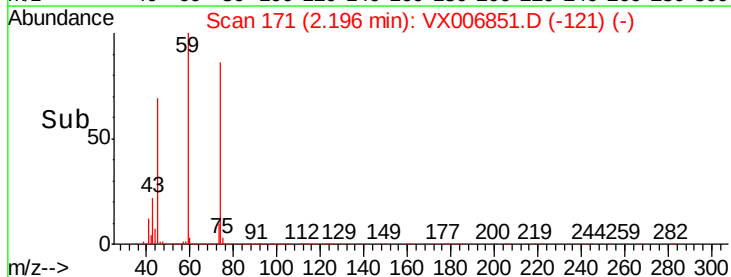
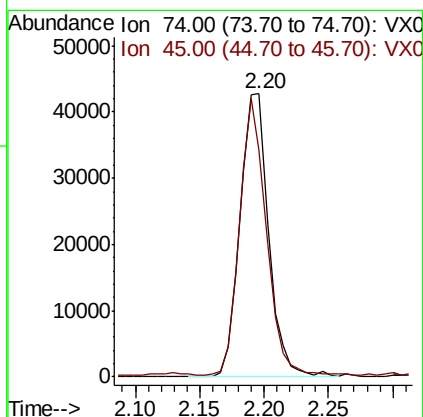
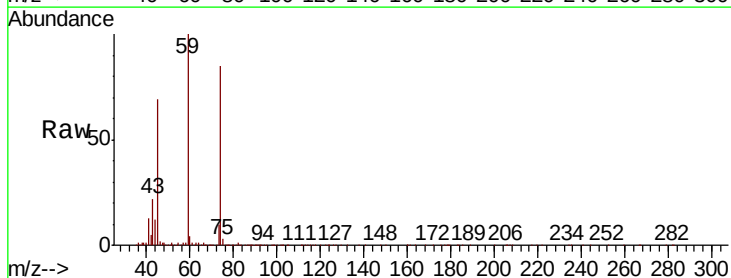
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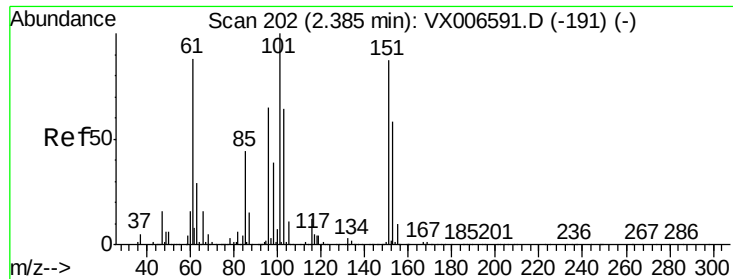


#8

Diethyl Ether
Concen: 18.166 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.7	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.996 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

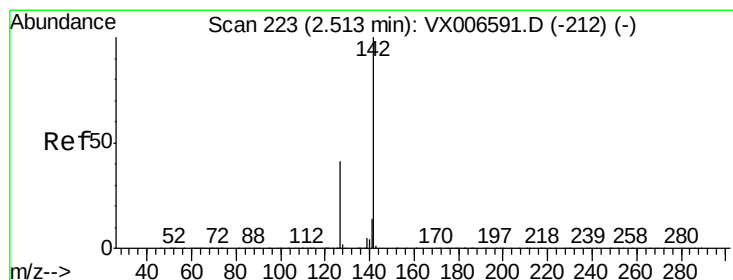
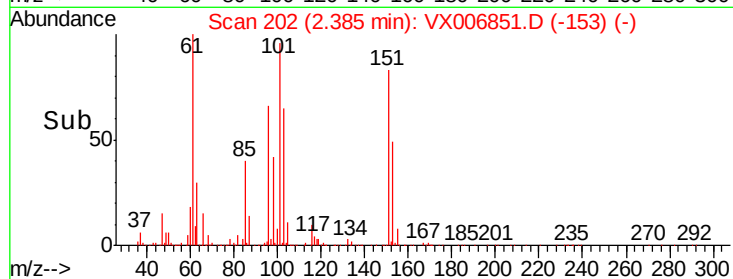
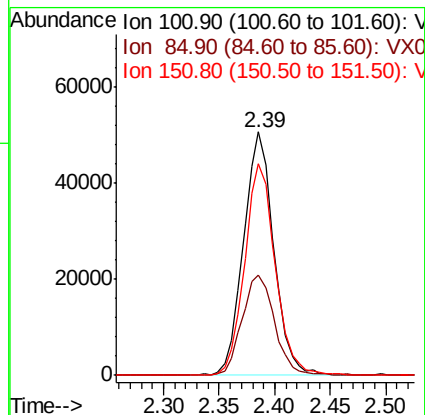
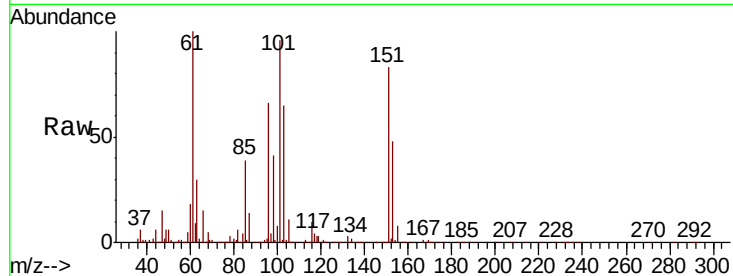
ClientSampleId :

VX1228WBS01

Tot Ion:	101	Resp:	95579
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.1	52.7
151	88.0	68.9	103.3

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#10

Methyl Iodide

Concen: 16.871 ug/l

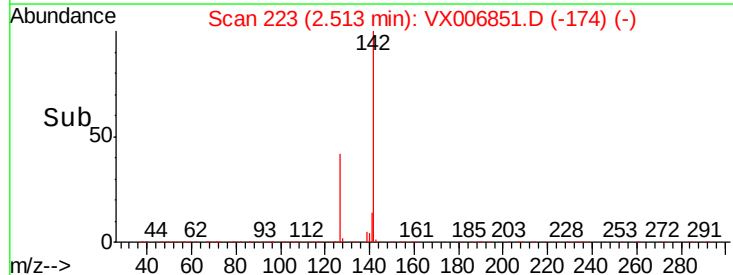
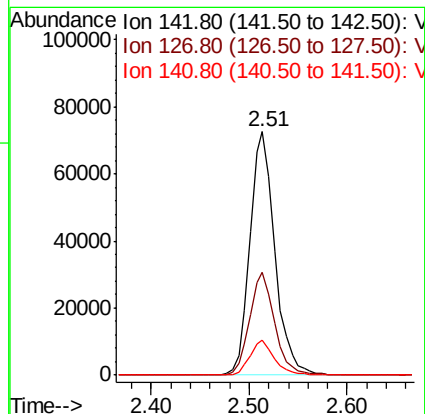
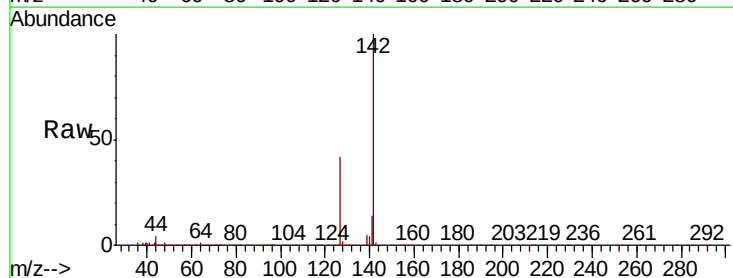
RT: 2.51 min Scan# 223

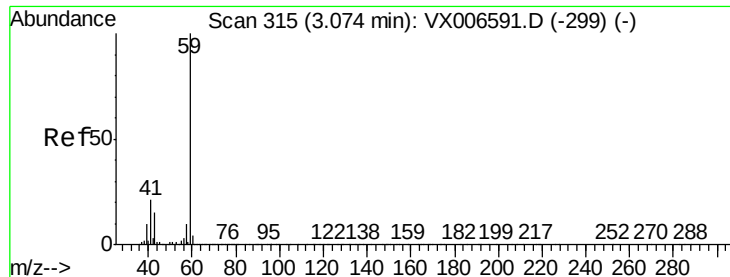
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion:	142	Resp:	128268
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.9	50.9
141	14.2	11.4	17.0





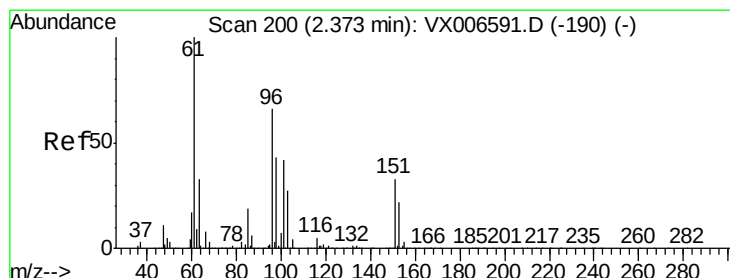
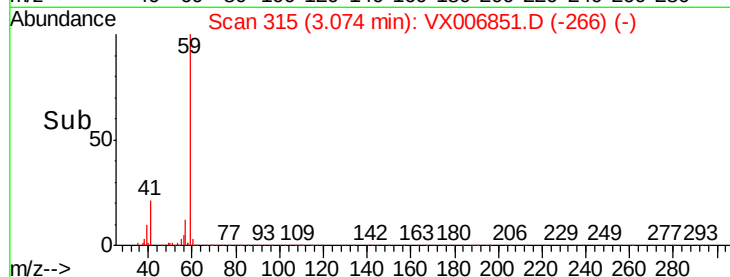
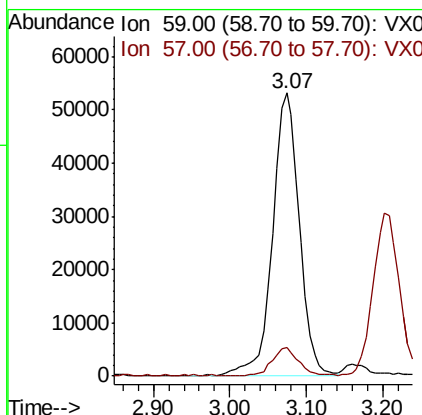
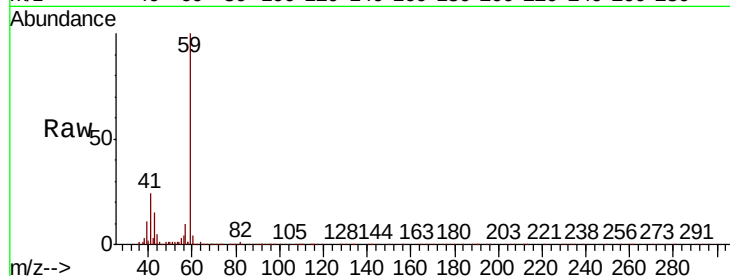
#11
Tert butyl alcohol
Concen: 94.747 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX1228WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

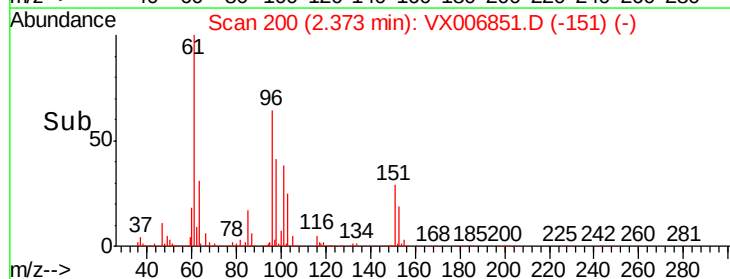
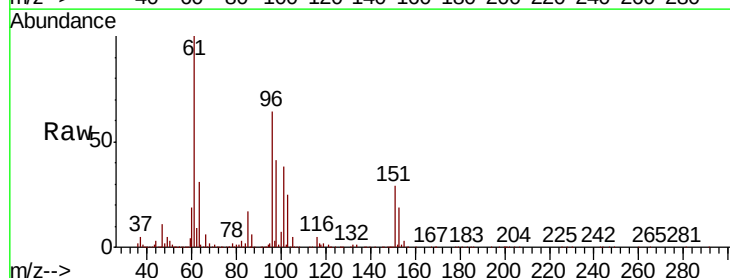
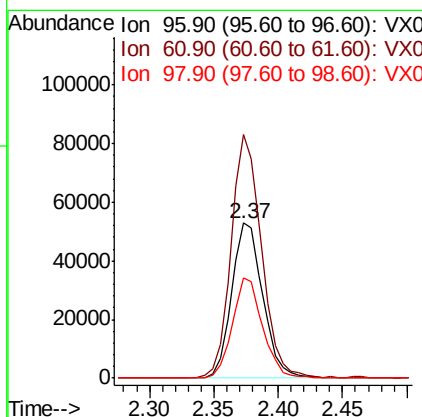
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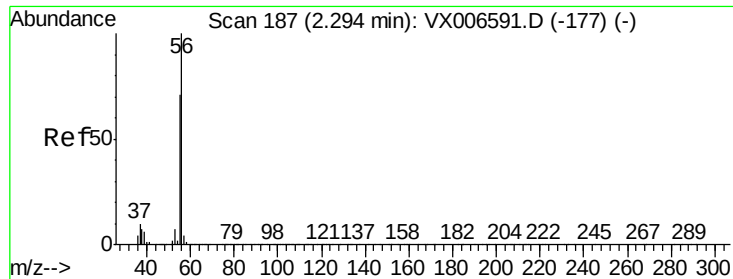
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.531 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	121.4	182.2
98	64.6	51.9	77.9





#13

Acrolein

Concen: 89.287 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX1228WBS01

Tot Ion: 56 Resp: 81661

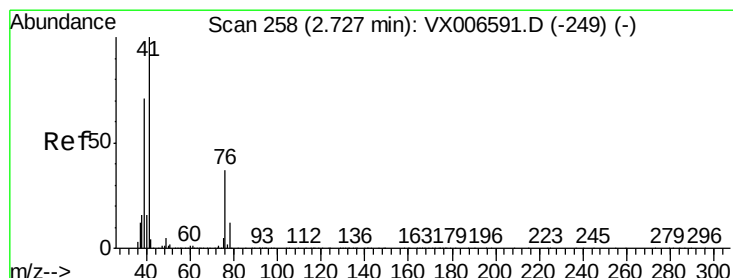
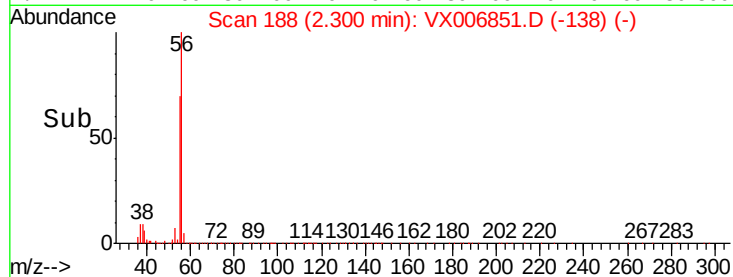
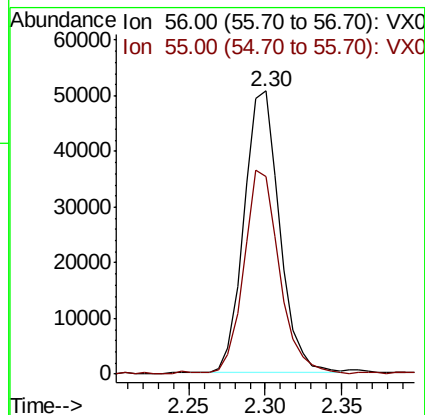
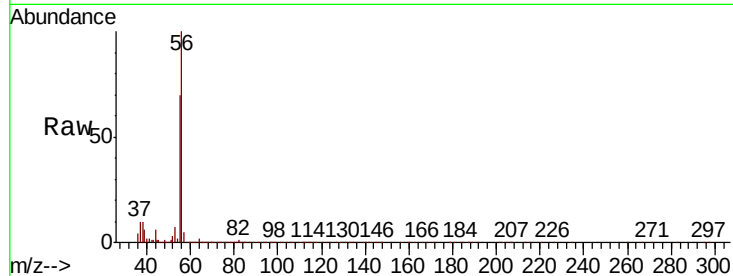
Ion Ratio Lower Upper

56 100

55 71.4 58.2 87.4

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#14

Allyl chloride

Concen: 18.382 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

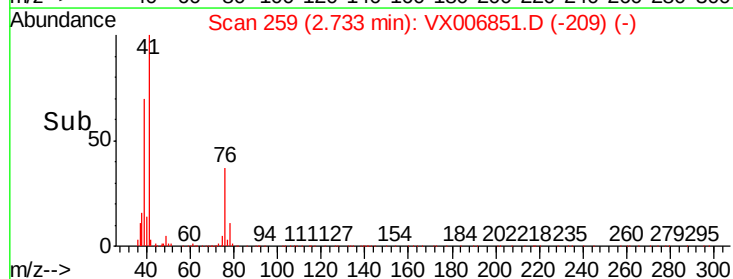
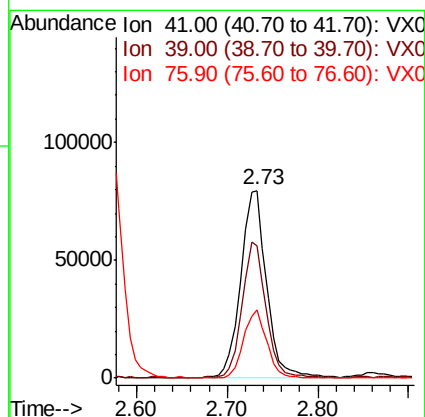
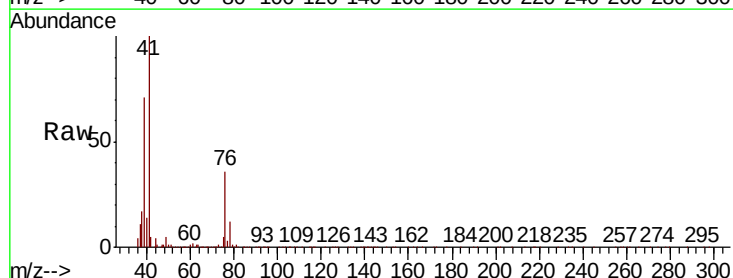
Tgt Ion: 41 Resp: 155826

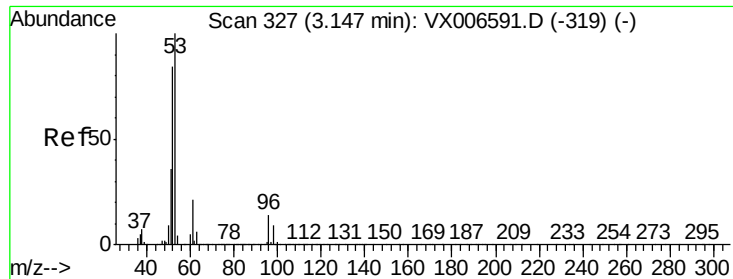
Ion Ratio Lower Upper

41 100

39 66.6 53.6 80.4

76 33.4 27.4 41.2





#15

Acrylonitrile

Concen: 98.641 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

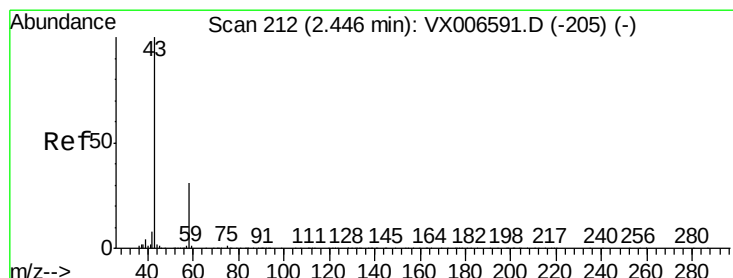
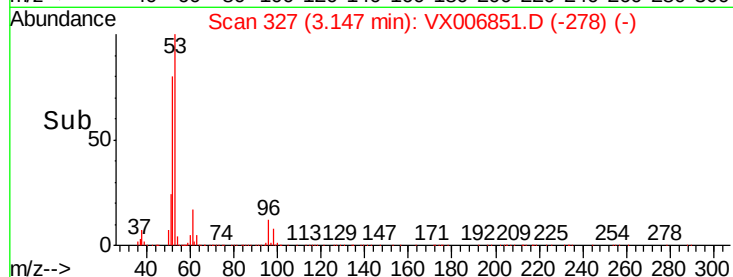
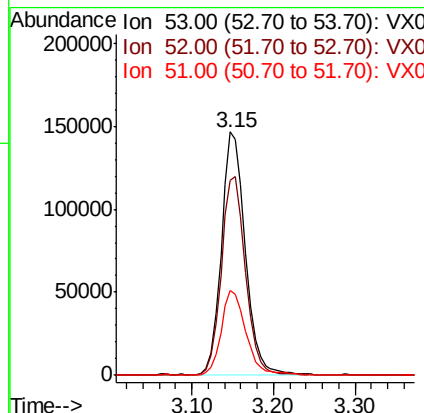
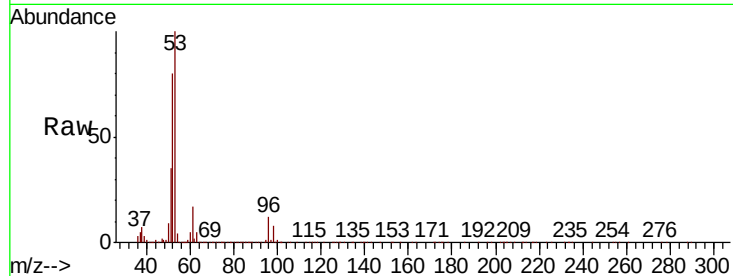
ClientSampleId :

VX1228WBS01

Tot Ion:	53	Resp:	296924
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.0	99.0
51	35.9	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 93.336 ug/l

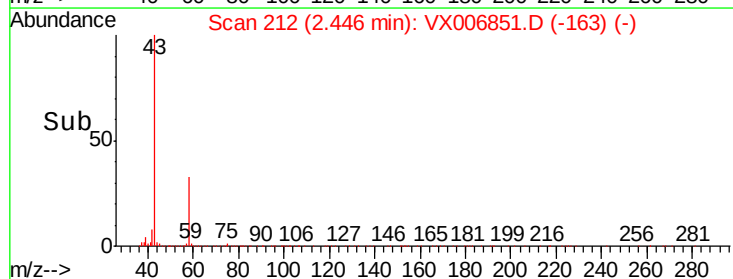
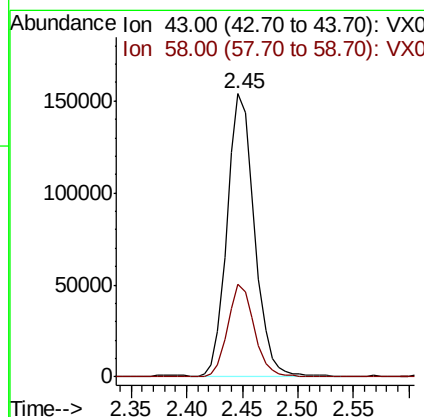
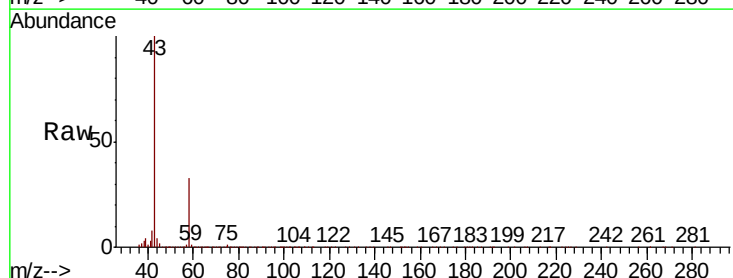
RT: 2.45 min Scan# 212

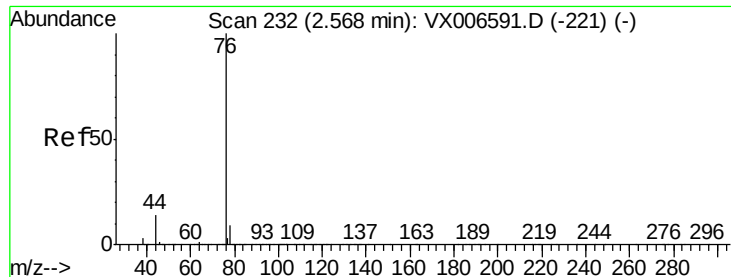
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion:	43	Resp:	260497
Ion Ratio		Lower	Upper
43	100		
58	32.5	25.0	37.6





#17

Carbon Disulfide

Concen: 13.954 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX1228WBS01

Tot Ion: 76 Resp: 185973

Ion Ratio Lower Upper

76 100

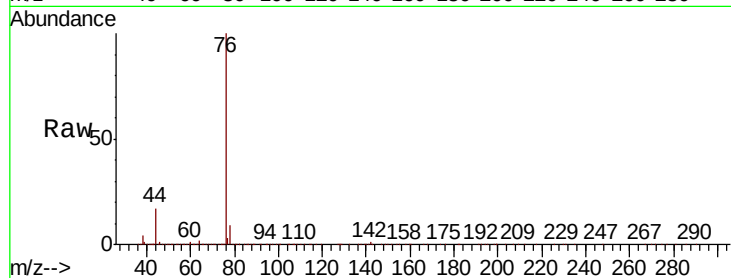
78 9.1 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

120000

100000

80000

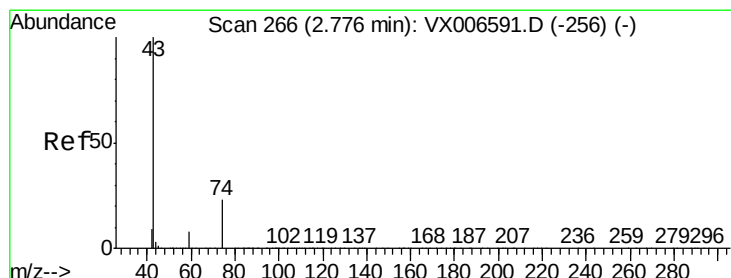
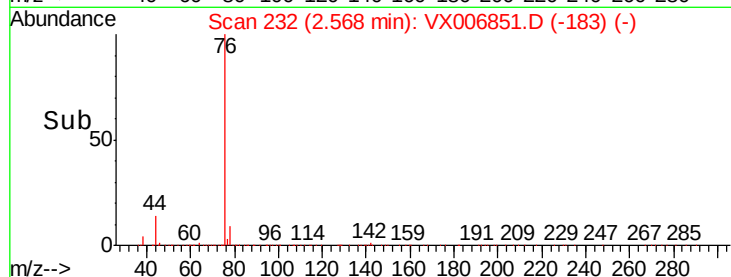
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.475 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006851.D

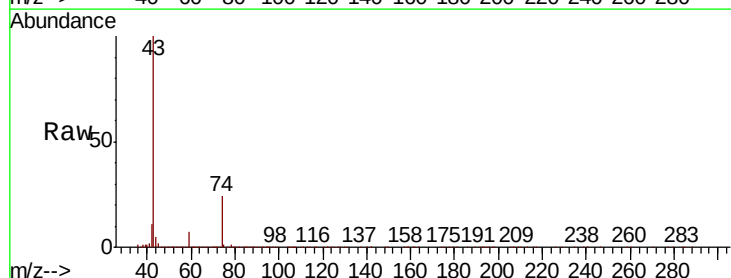
Acq: 28 Dec 2018 10:47

Tgt Ion: 43 Resp: 176242

Ion Ratio Lower Upper

43 100

74 23.8 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

100000

80000

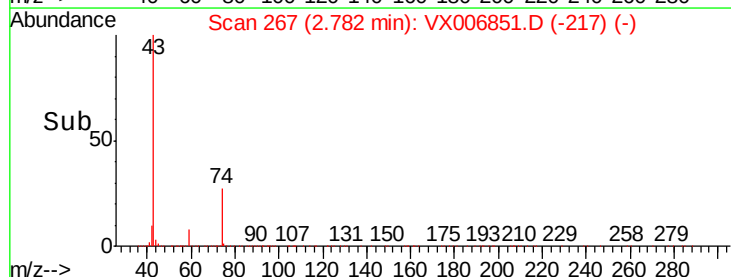
60000

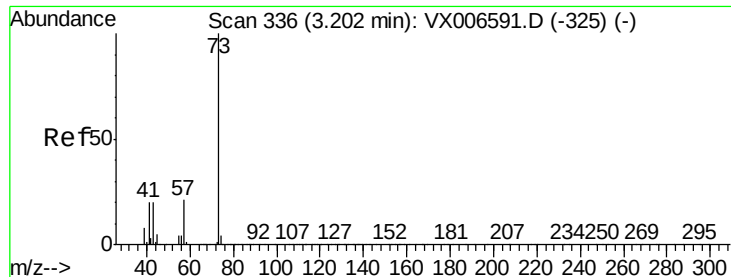
40000

20000

0

Time-->





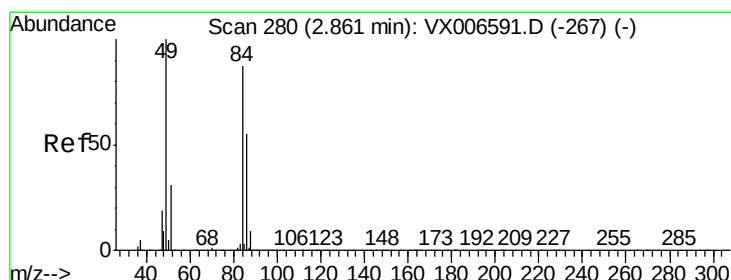
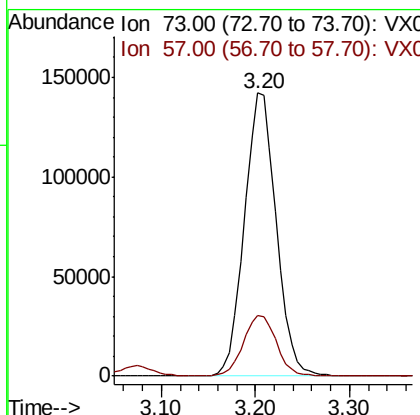
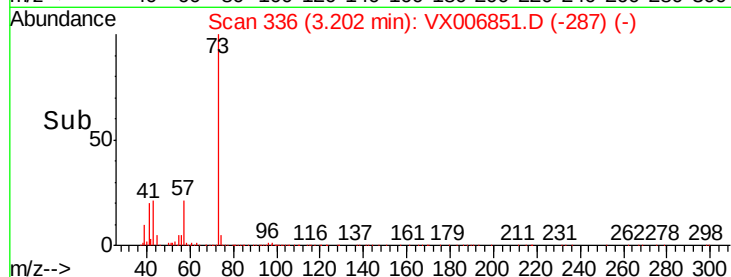
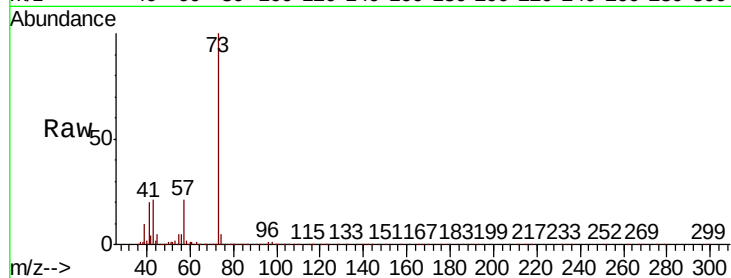
#19
Methyl tert-butyl Ether
Concen: 20.006 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX1228WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.8	25.2

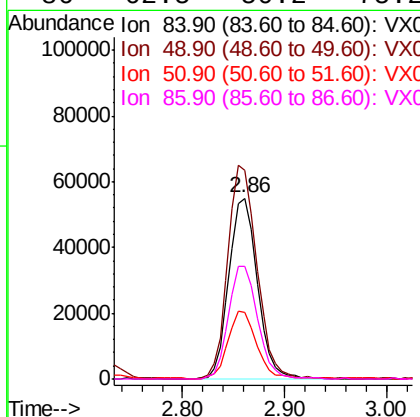
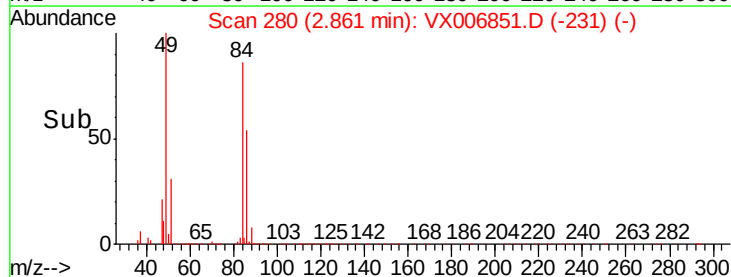
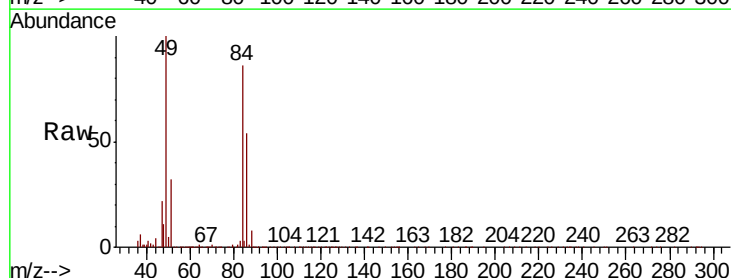
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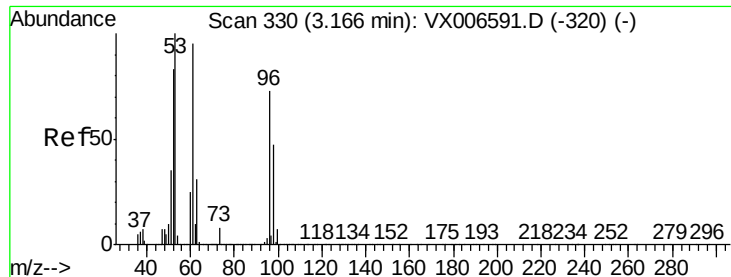
MMDadoda
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#20
Methylene Chloride
Concen: 18.528 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.5	91.8	137.6
51	36.5	28.5	42.7
86	62.5	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 17.377 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

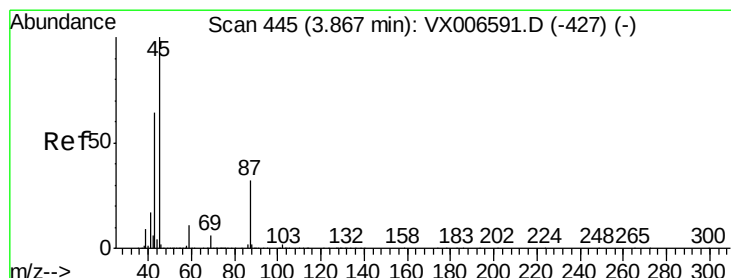
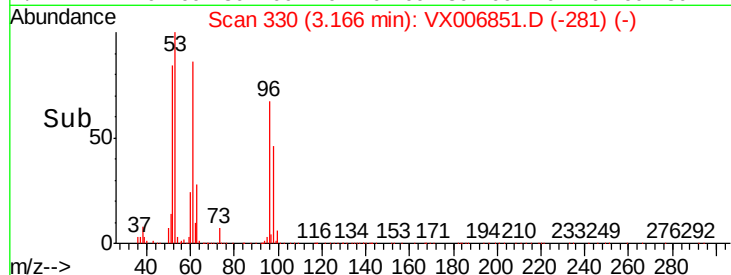
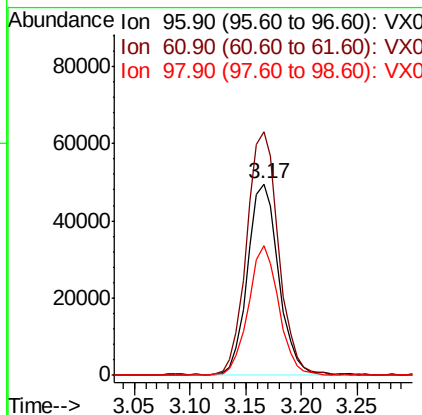
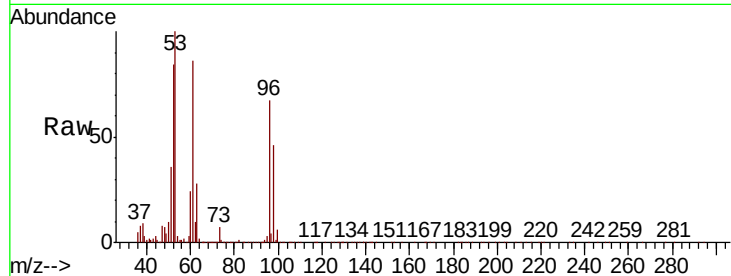
ClientSampleId :

VX1228WBS01

Tot Ion:	96	Resp:	96966
Ion	Ratio	Lower	Upper
96	100		
61	127.0	103.7	155.5
98	67.5	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.879 ug/l

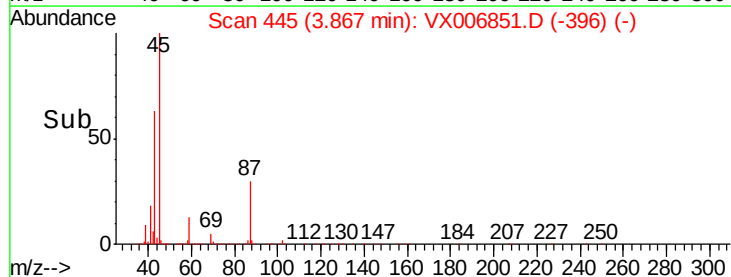
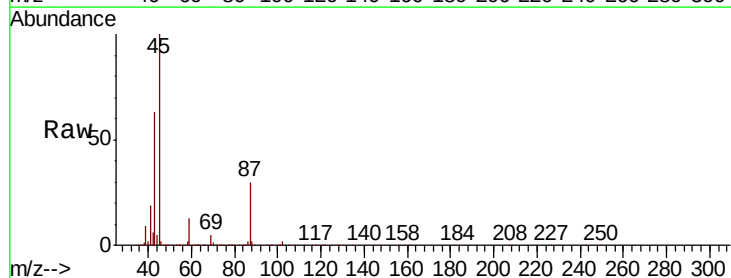
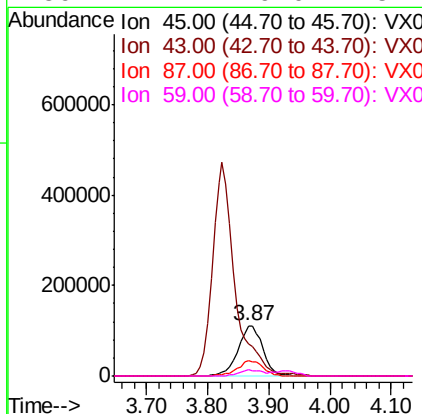
RT: 3.87 min Scan# 445

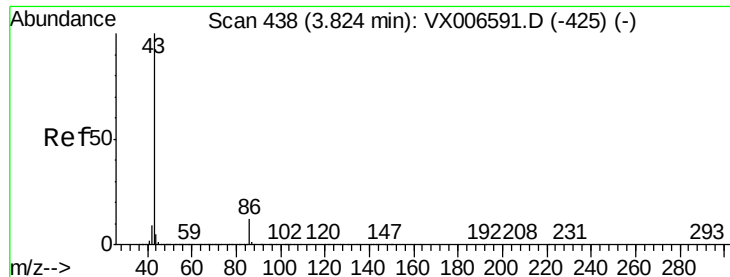
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion:	45	Resp:	308280
Ion	Ratio	Lower	Upper
45	100		
43	62.9	51.2	76.8
87	29.7	25.8	38.6
59	12.7	9.0	13.4





#23

Vinyl Acetate

Concen: 95.493 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tot Ion: 43 Resp: 1211335

Ion Ratio Lower Upper

43 100

86 11.1 9.2 13.8

Instrument :

MSVOA_X

ClientSampled :

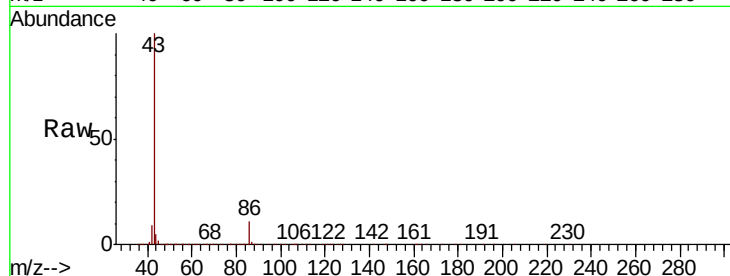
VX1228WBS01

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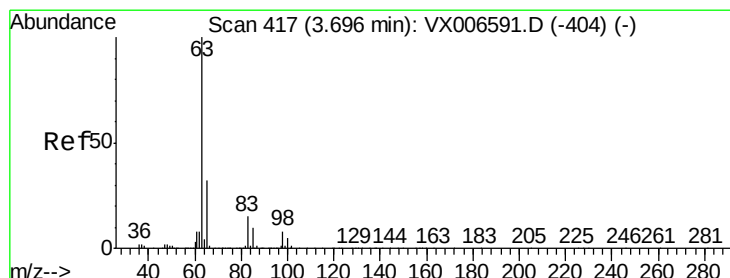
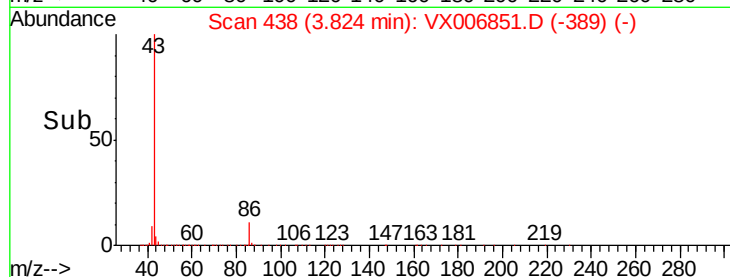
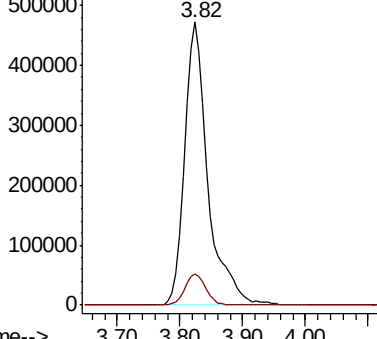
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.377 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

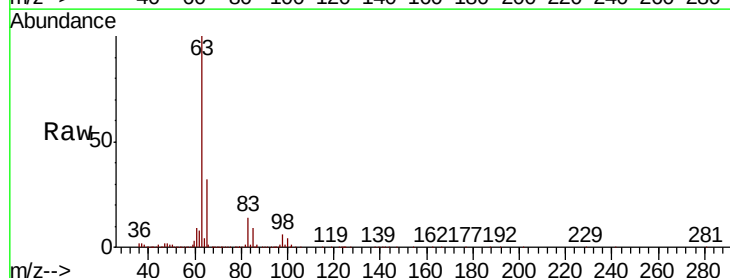
Tgt Ion: 63 Resp: 170126

Ion Ratio Lower Upper

63 100

98 6.2 3.9 11.5

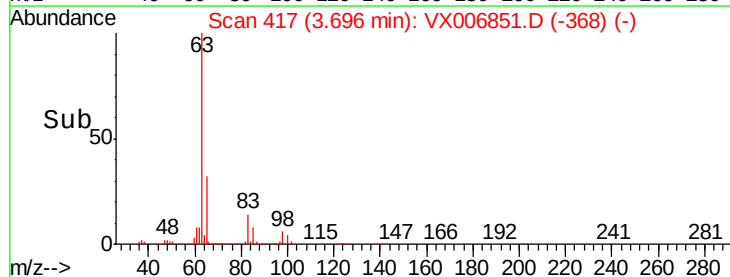
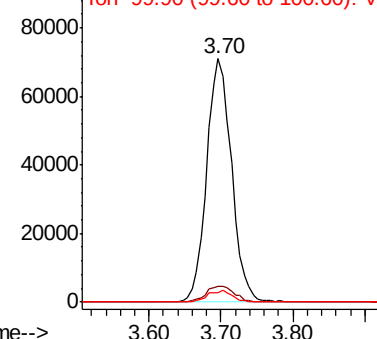
100 4.1 2.4 7.2

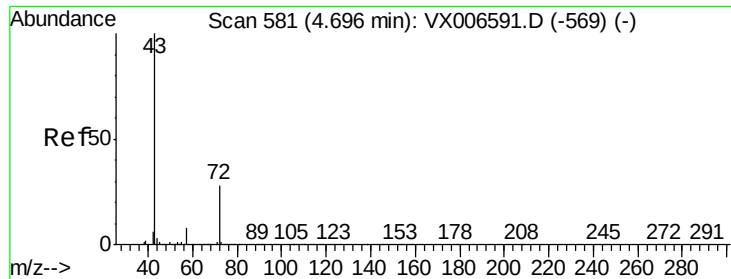


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 94.980 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampled :

VX1228WBS01

Tot Ion: 43 Resp: 372876

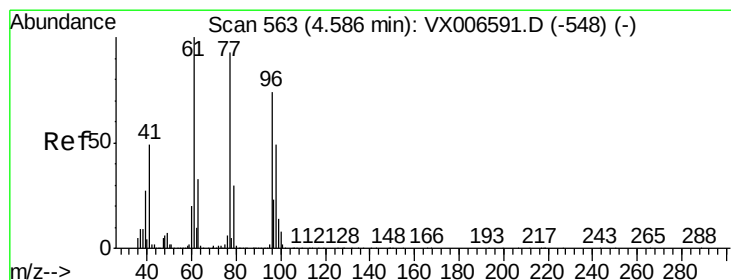
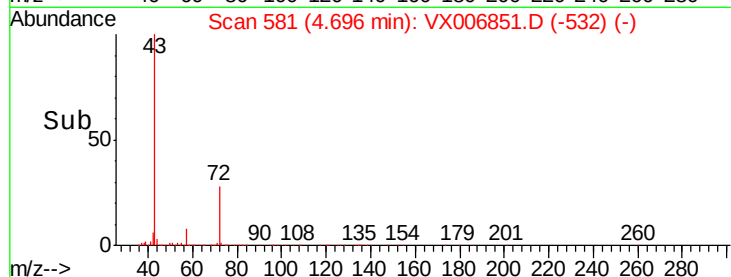
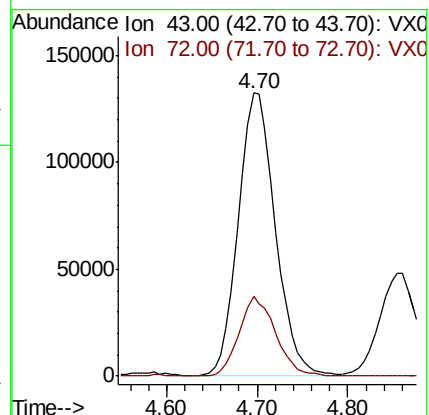
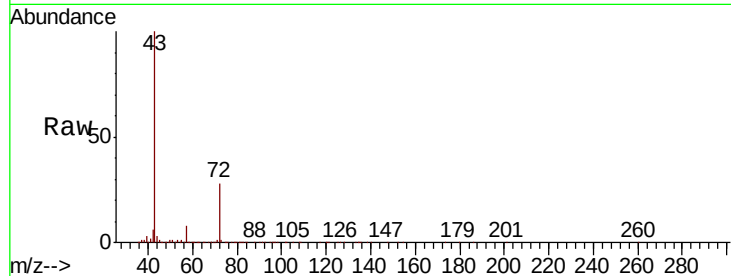
Ion Ratio Lower Upper

43 100

72 28.3 22.4 33.6

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#26

2,2-Dichloropropane

Concen: 17.224 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006851.D

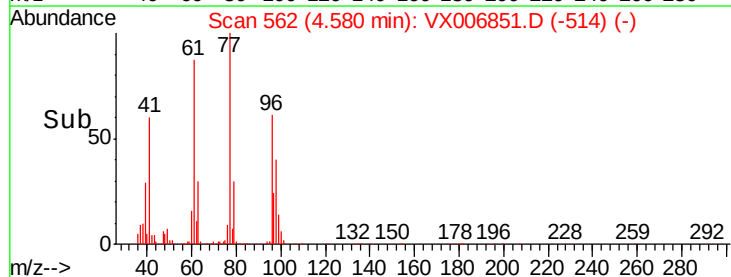
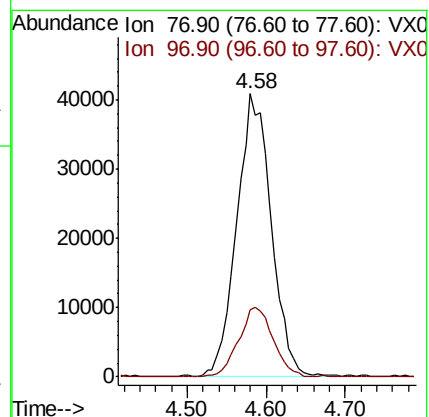
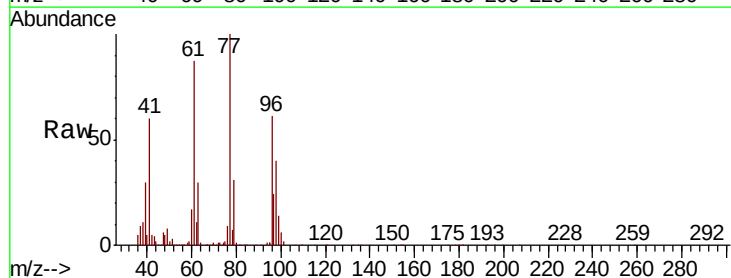
Acq: 28 Dec 2018 10:47

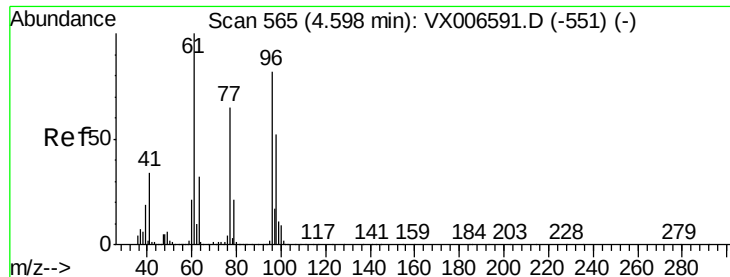
Tgt Ion: 77 Resp: 123169

Ion Ratio Lower Upper

77 100

97 24.9 12.4 37.4





#27

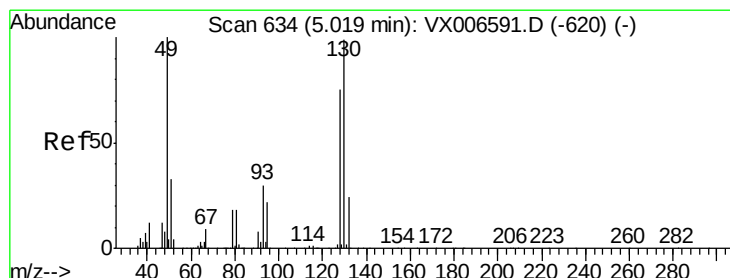
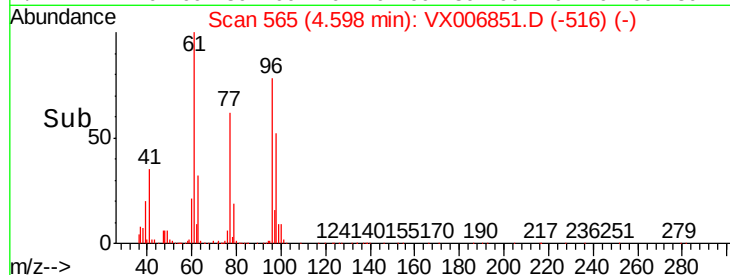
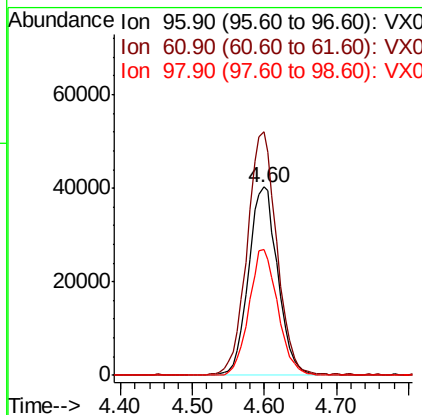
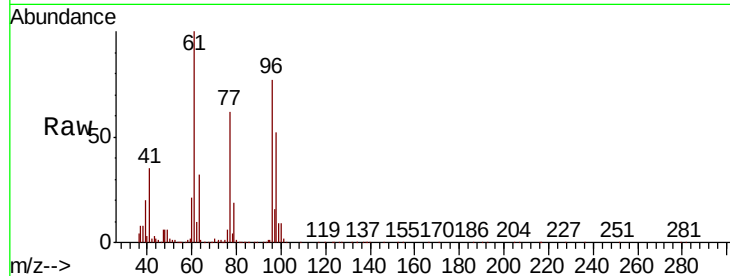
cis-1,2-Dichloroethene
Concen: 18.520 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX1228WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	258.6
98	65.7	0.0	132.0

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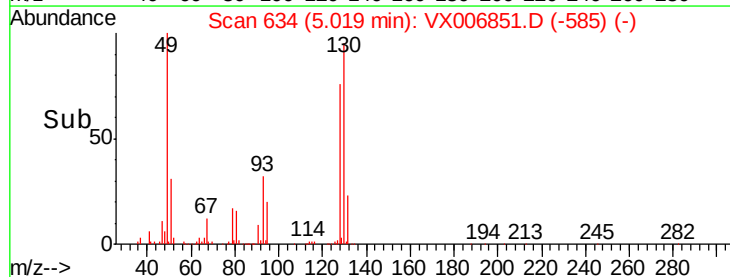
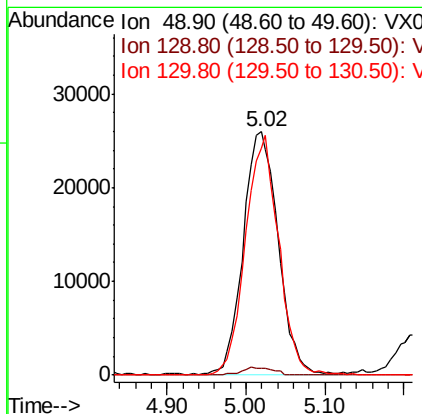
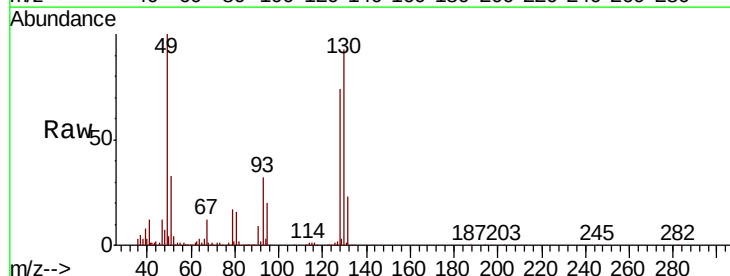
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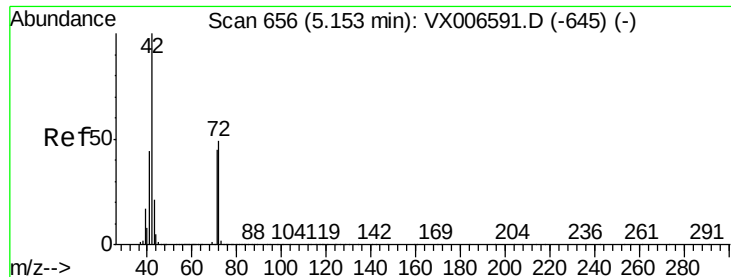


#28

Bromochloromethane
Concen: 19.458 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.4
130	93.2	77.7	116.5





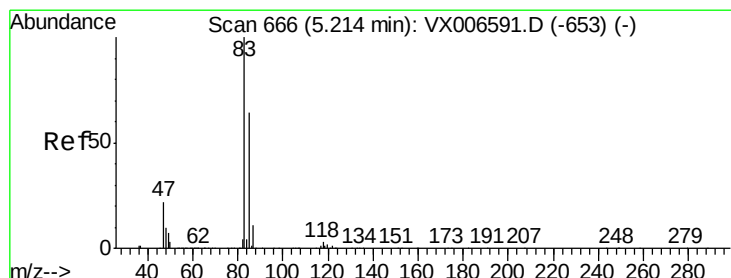
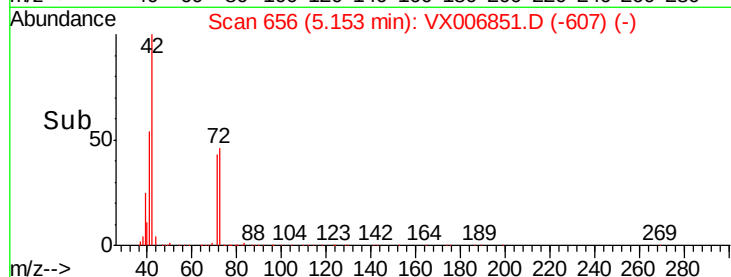
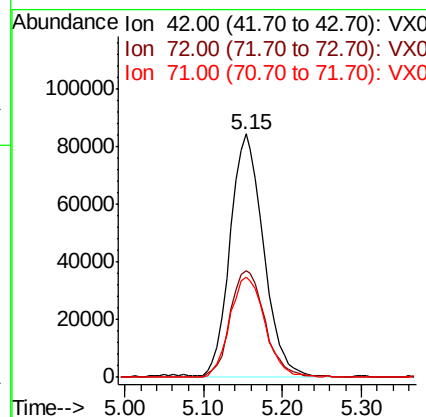
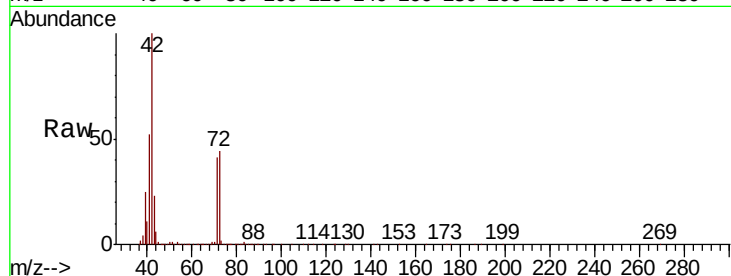
#29
Tetrahydrofuran
Concen: 95.556 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampled :
VX1228WBS01

Tot Ion	42	Resp	247076
Ion Ratio	Lower	Upper	
42	100		
72	46.5	38.9	58.3
71	43.7	36.2	54.4

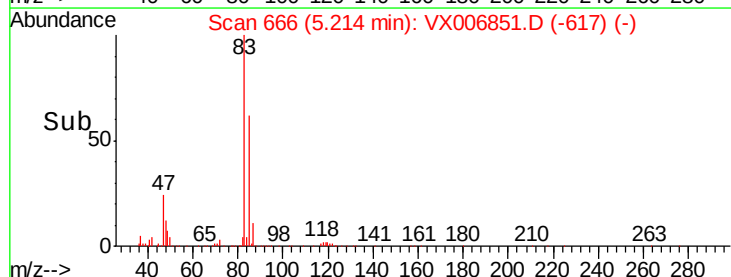
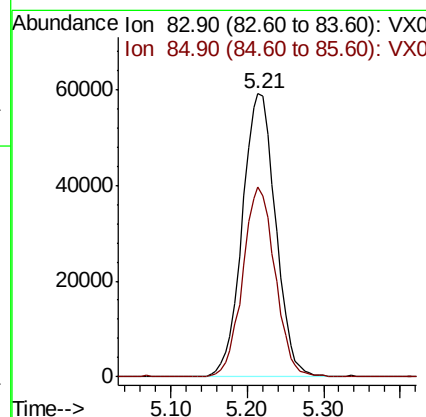
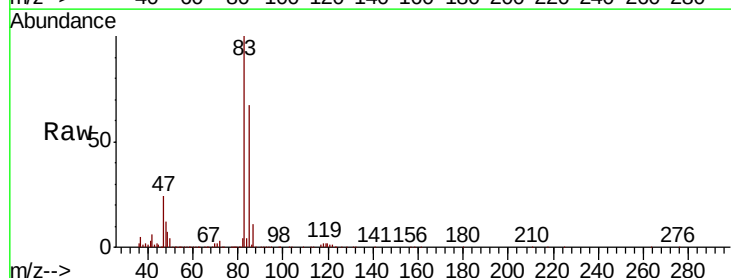
Manual Integrations
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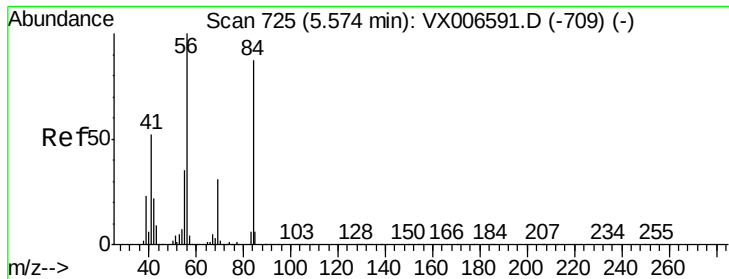
MMDadoda
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#30
Chloroform
Concen: 18.669 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	83	Resp	178976
Ion Ratio	Lower	Upper	
83	100		
85	66.9	51.2	76.8





#31

Cyclohexane

Concen: 16.400 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

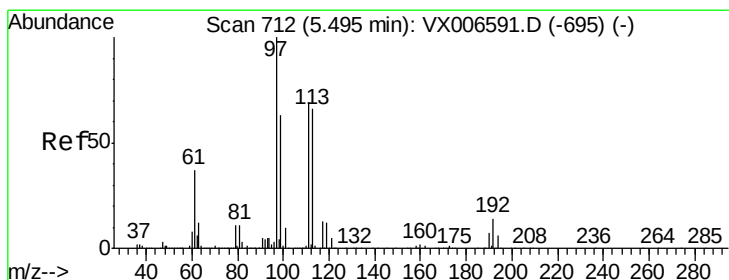
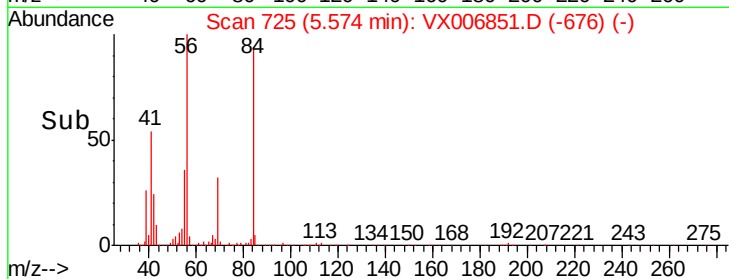
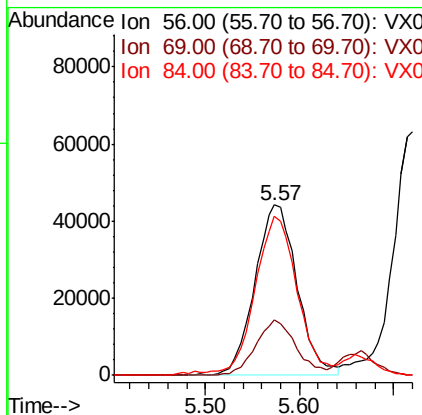
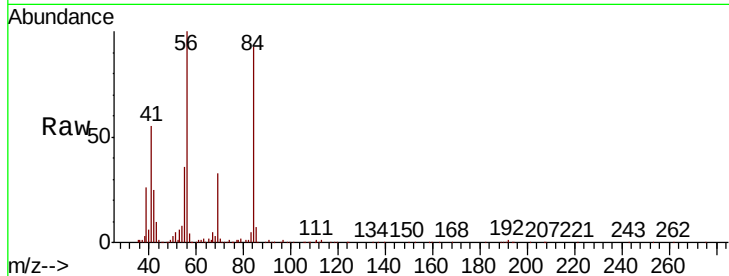
ClientSampleId :

VX1228WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.6	24.4	36.6	
84	92.3	70.0	105.0	

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.128 ug/l

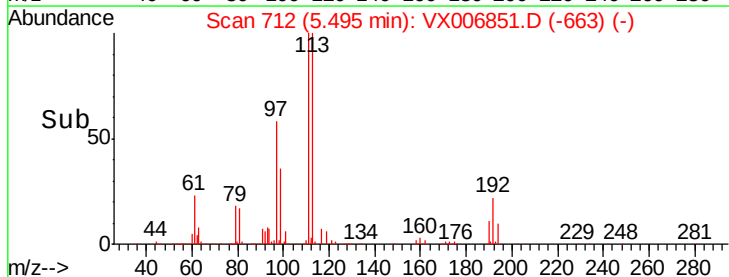
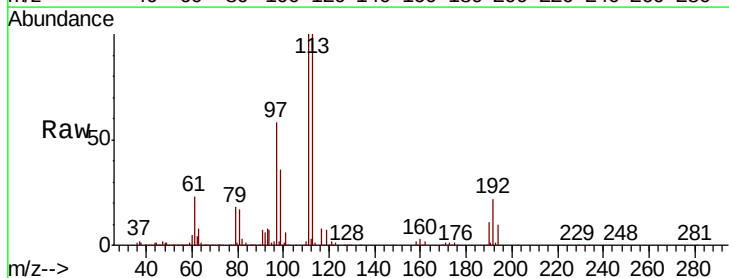
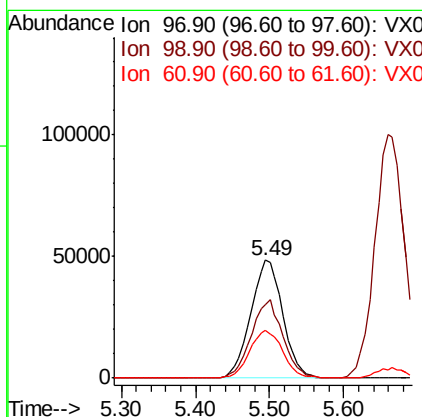
RT: 5.49 min Scan# 712

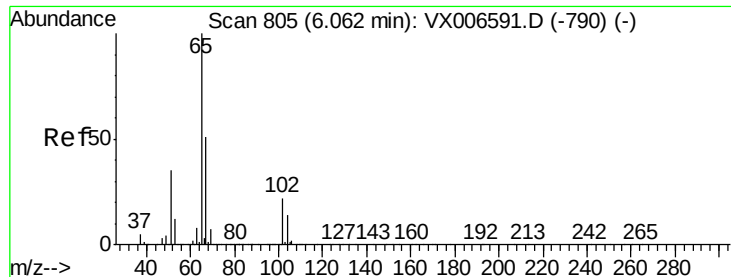
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.5	51.7	77.5	
61	41.7	31.3	46.9	





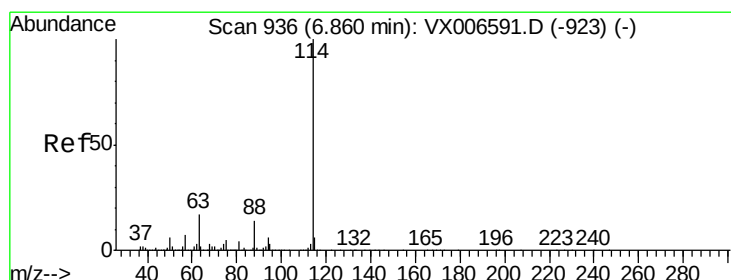
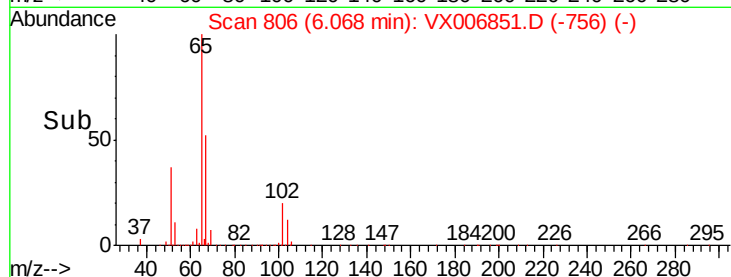
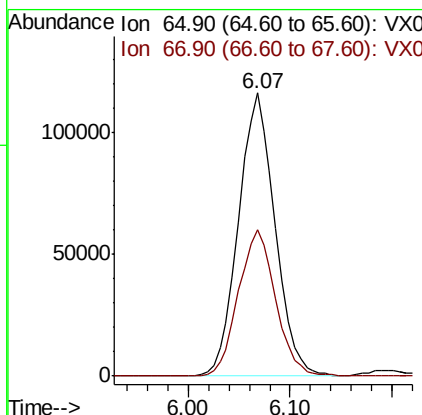
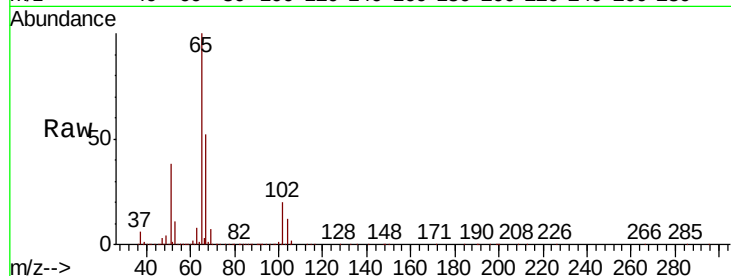
#33
 1,2-Dichloroethane-d4
 Concen: 47.434 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1228WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	288152		
67	52.8	0.0	105.0	

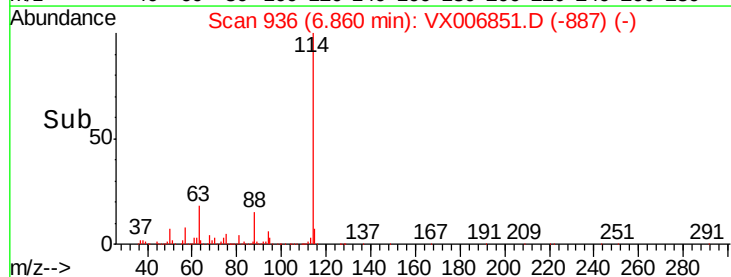
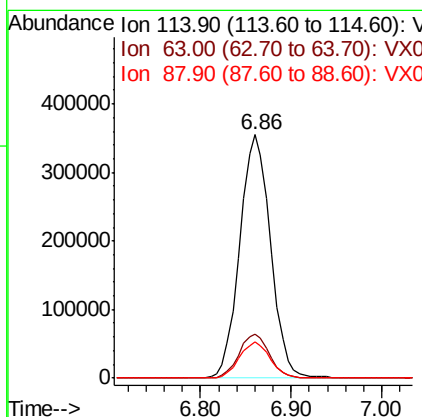
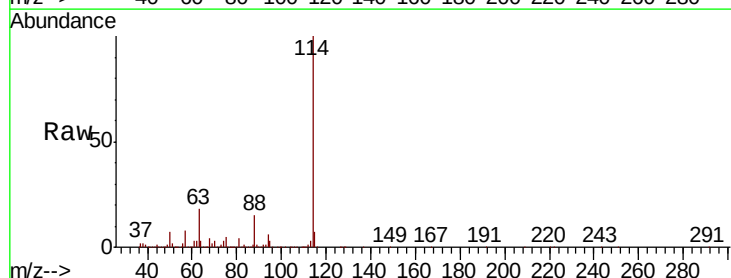
Manual Integrations
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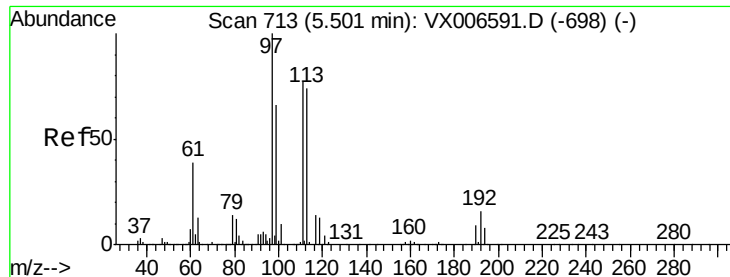
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	832980		
63	17.8	0.0	34.8	
88	14.8	0.0	28.8	





#35

Dibromofluoromethane

Concen: 48.988 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

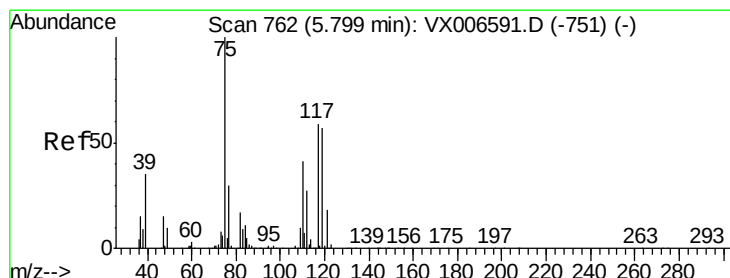
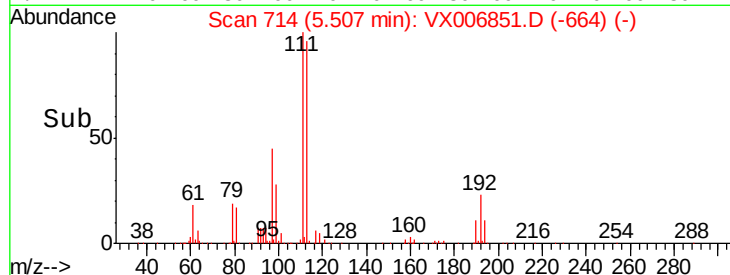
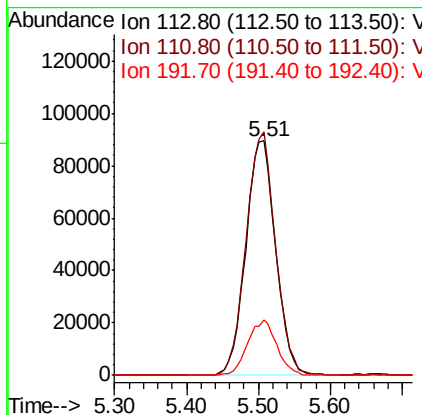
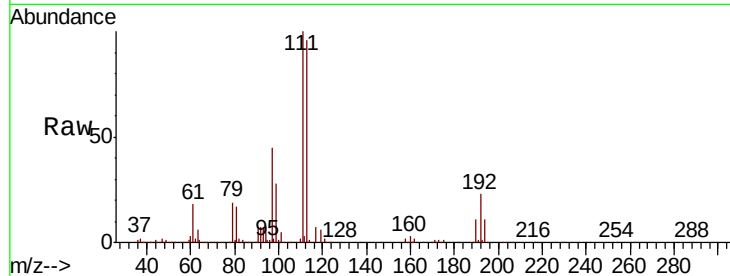
ClientSampled :

VX1228WBS01

Tot Ion:	113	Resp:	258051
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.6	122.4
192	23.2	16.7	25.1

Manual Integrations
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1/2/2019 10:46:39 AM



#36

1,1-Dichloropropene

Concen: 18.007 ug/l

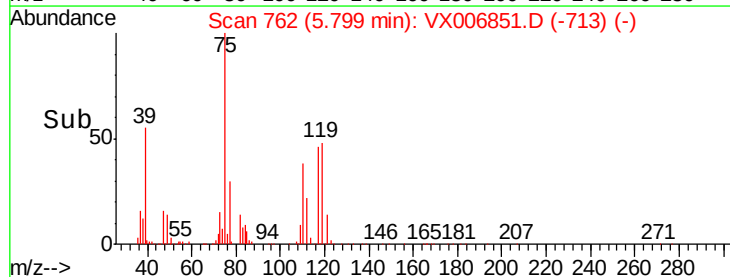
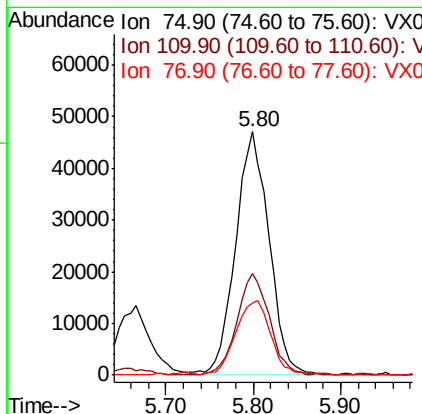
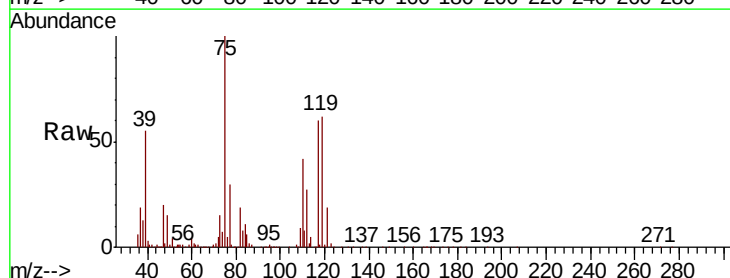
RT: 5.80 min Scan# 762

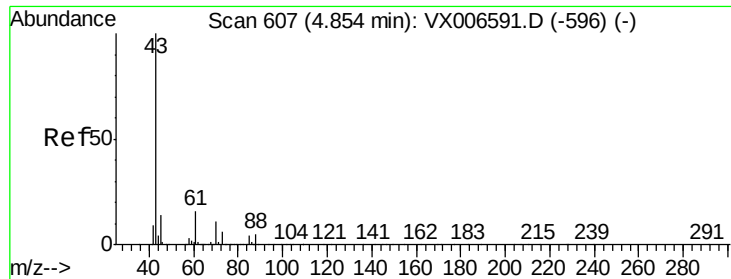
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion:	75	Resp:	124231
Ion Ratio	Lower	Upper	
75	100		
110	40.9	20.2	60.5
77	32.4	24.8	37.2





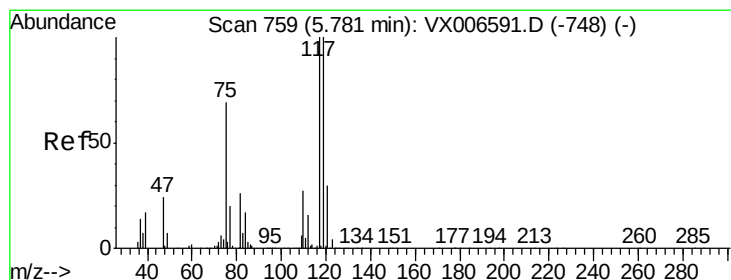
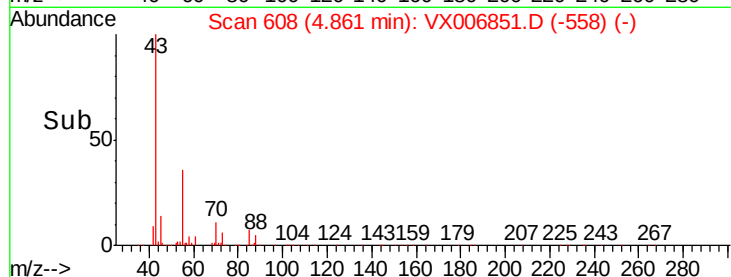
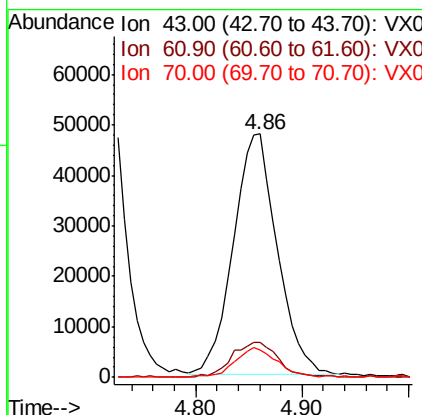
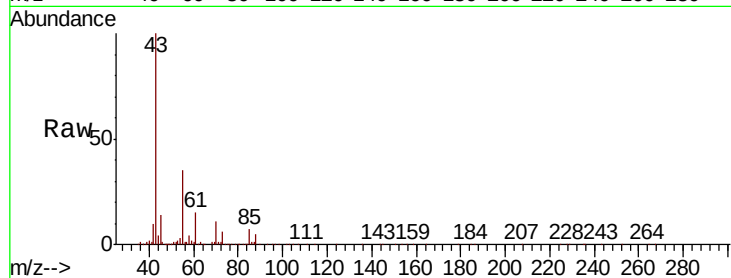
#37
Ethyl Acetate
Concen: 19.203 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX1228WBS01

Tot Ion	43	Resp	137891
Ion Ratio	Lower	Upper	
43	100		
61	15.3	11.9	17.9
70	12.3	9.7	14.5

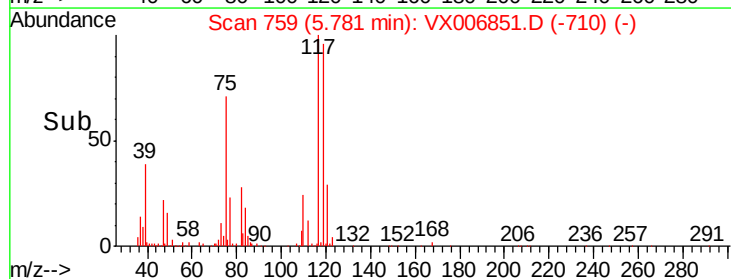
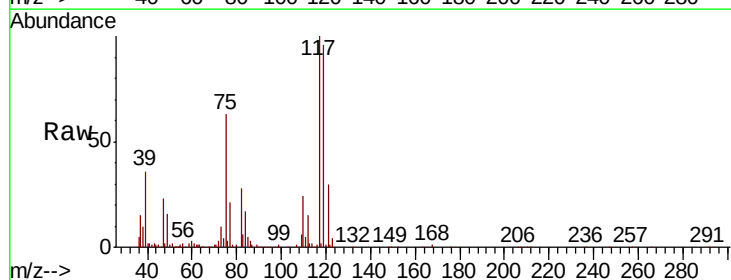
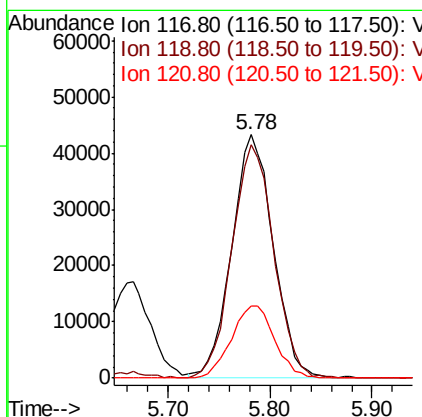
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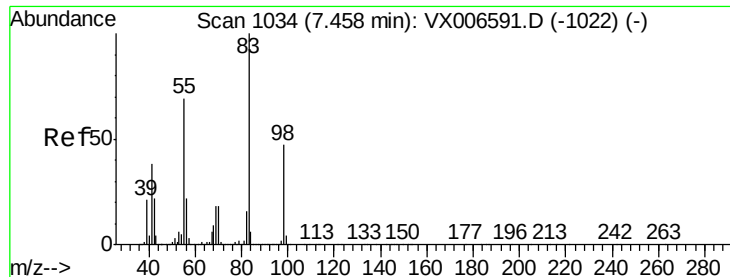
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1/2/2019 10:46:39 AM



#38
Carbon Tetrachloride
Concen: 18.078 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	117	Resp	121205
Ion Ratio	Lower	Upper	
117	100		
119	95.7	79.4	119.2
121	29.7	24.0	36.0





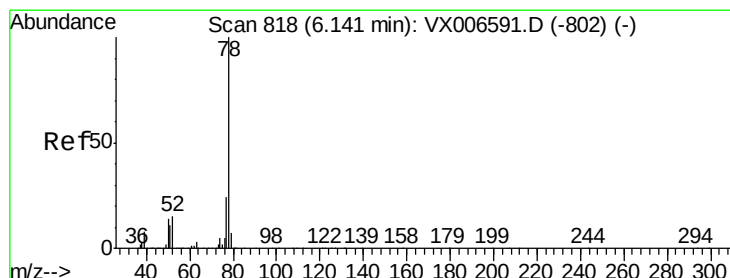
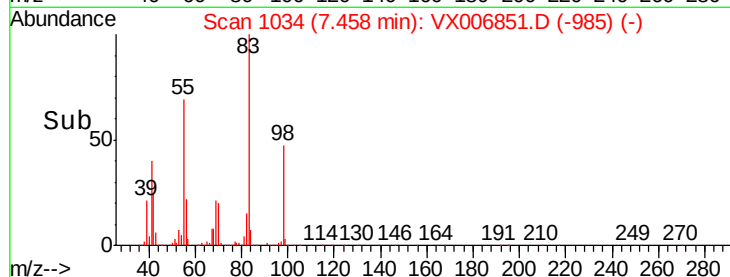
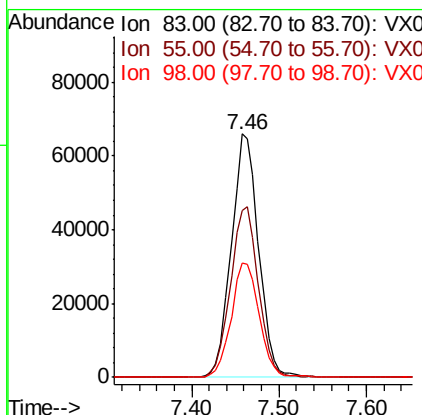
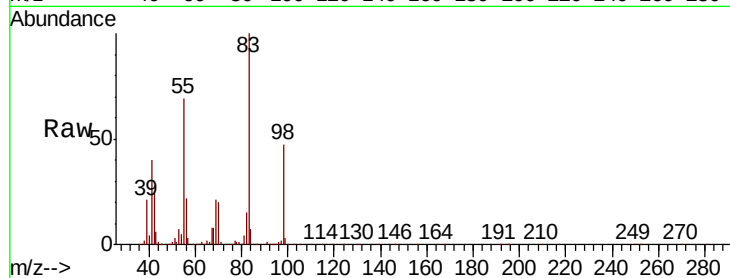
#39
Methylvlcyclohexane
Concen: 15.781 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX1228WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	54.9	82.3
98	47.0	37.9	56.9

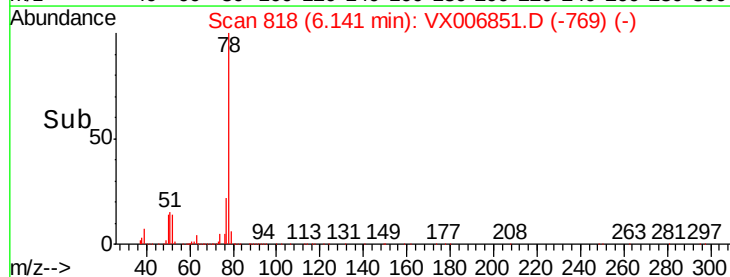
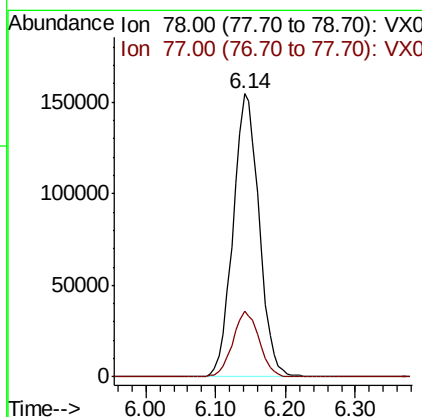
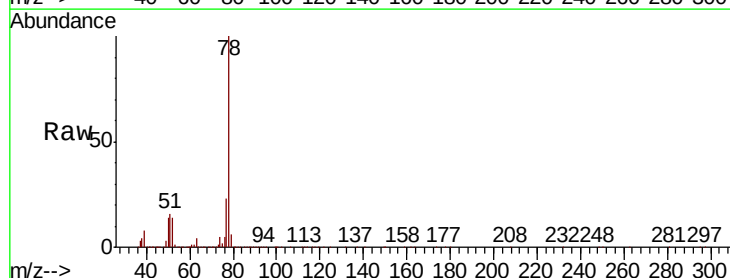
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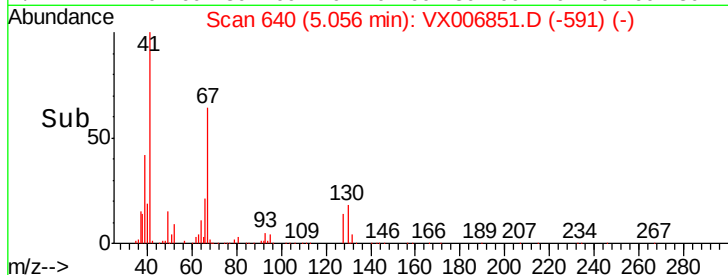
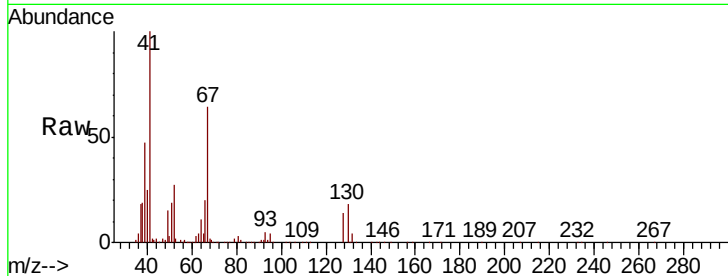
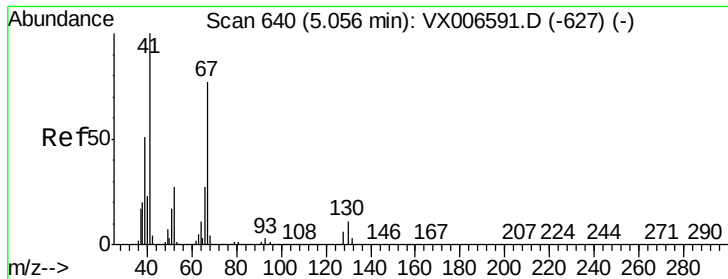
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#40
Benzene
Concen: 19.084 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





#41

Methacrylonitrile

Concen: 20.849 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tot Ion	41	Ratio	100	Resp:	79484	Lower	Upper
41	100						
39	55.1			42.8		64.2	
67	76.6			62.1		93.1	
52	30.4			23.4		35.0	

Instrument :

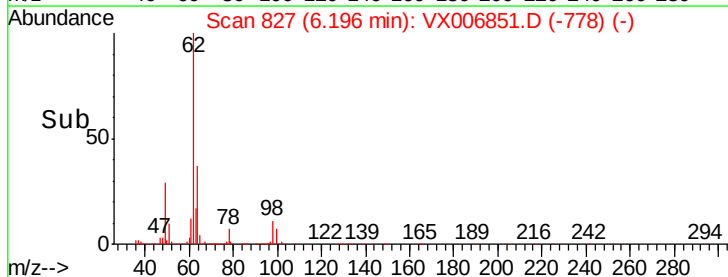
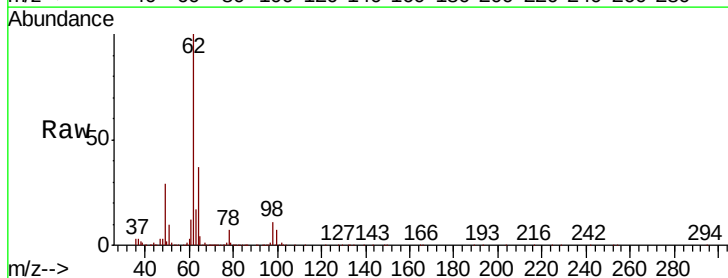
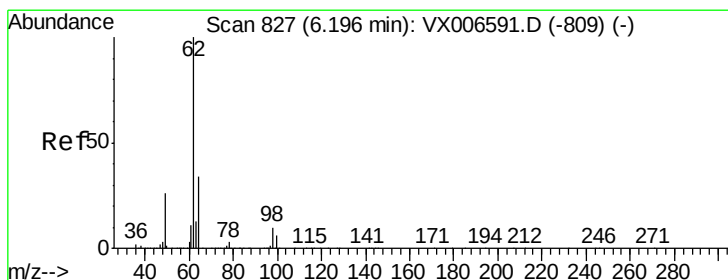
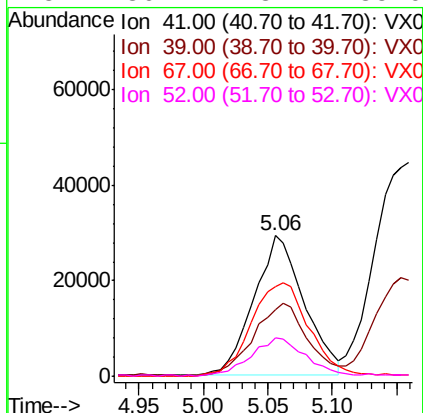
MSVOA_X

ClientSampleId :

VX1228WBS01

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#42

1,2-Dichloroethane

Concen: 18.999 ug/l

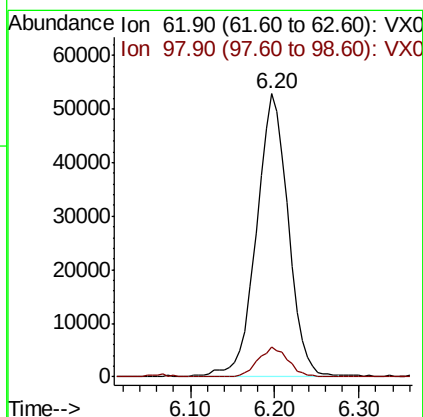
RT: 6.20 min Scan# 827

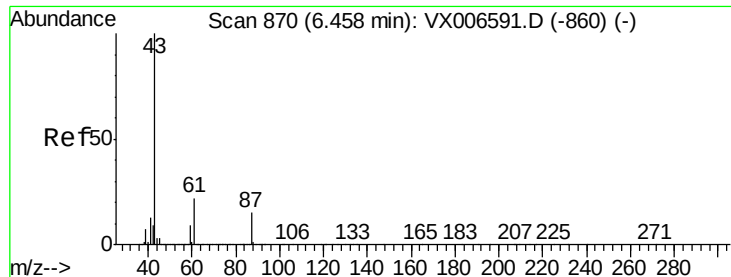
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion	62	Ratio	100	Resp:	135764	Lower	Upper
62	100						
98	10.1			0.0		20.2	





#43

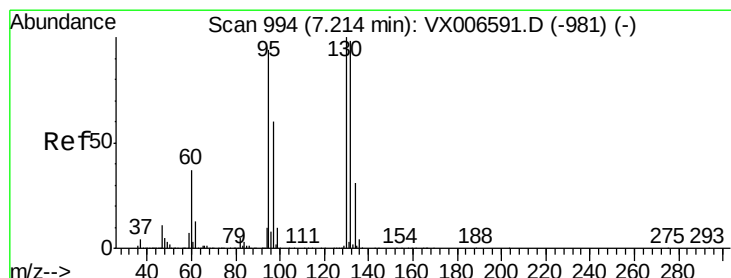
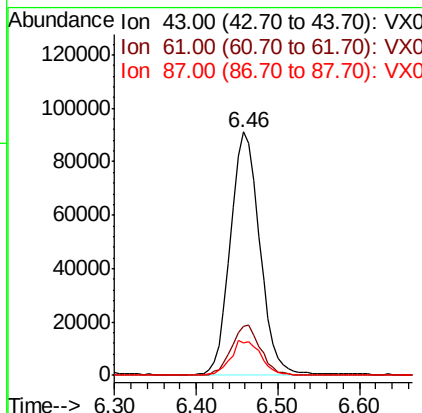
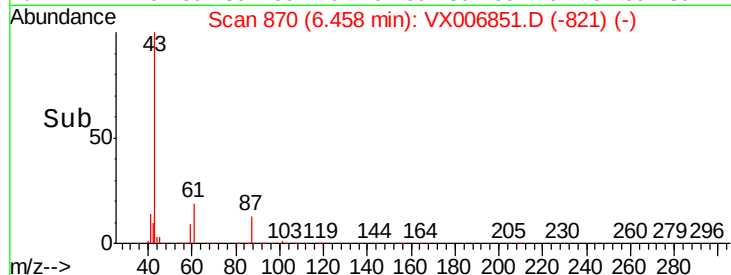
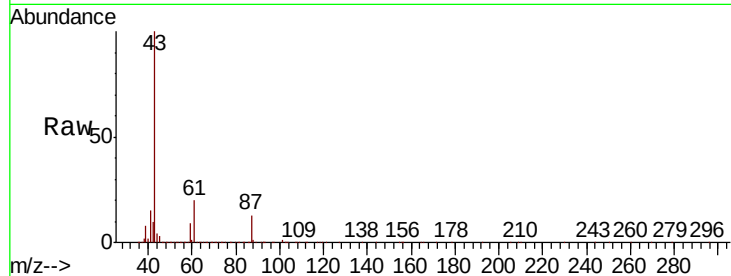
Isopropyl Acetate
 Concen: 20.699 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1228WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.8	25.2
87	14.7	12.4	18.6

Manual Integrations
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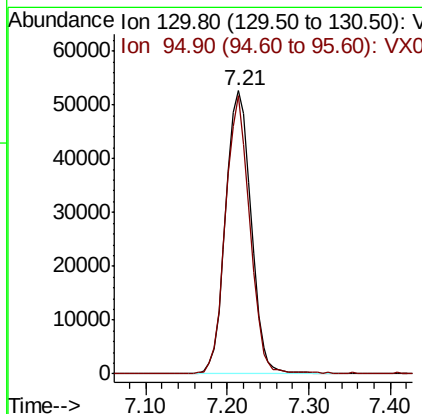
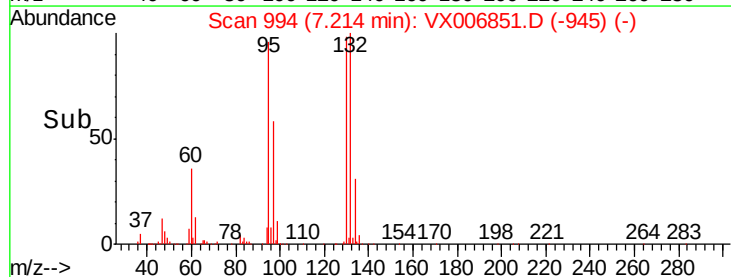
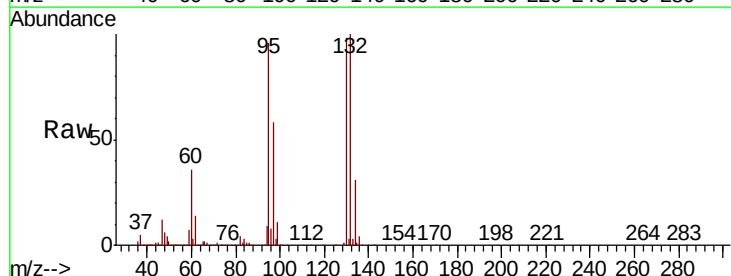
MMDadoda
 1/2/2019 10:46:39 AM

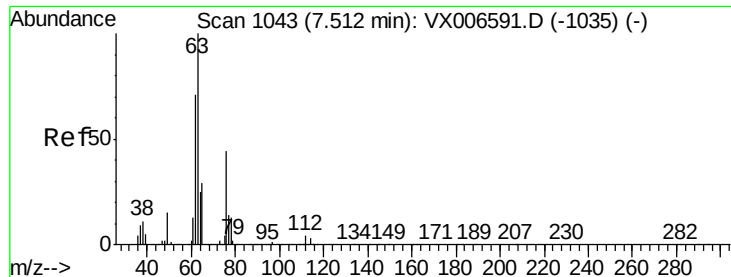


#44

Trichloroethene
 Concen: 17.877 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	187.0





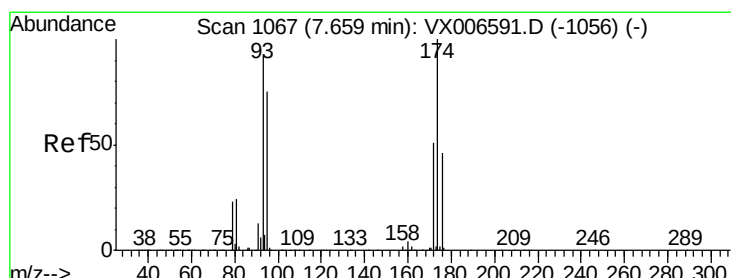
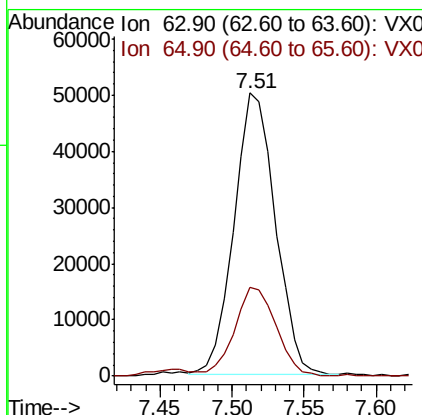
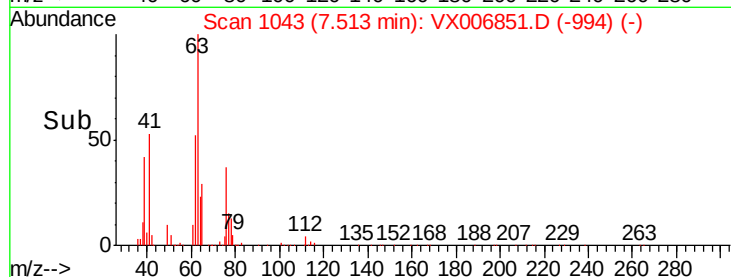
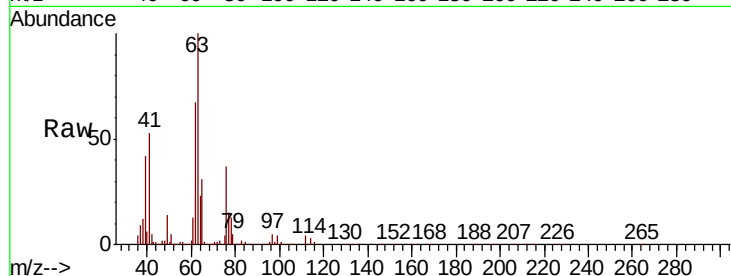
#45
 1,2-Dichloropropane
 Concen: 19.586 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.4	38.0

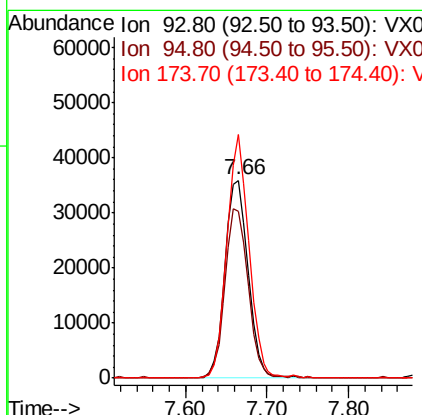
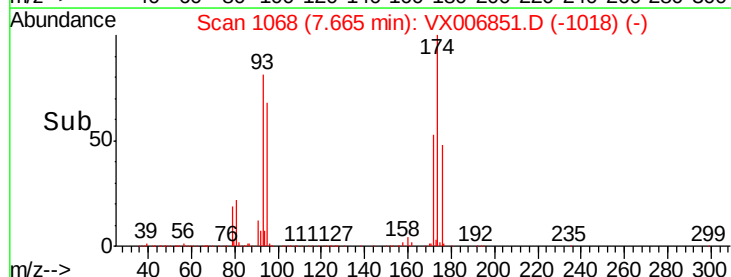
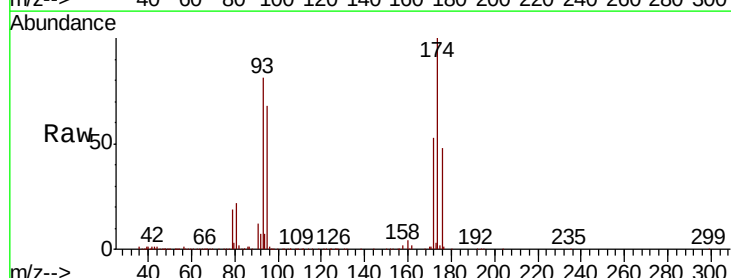
Manual Integrations
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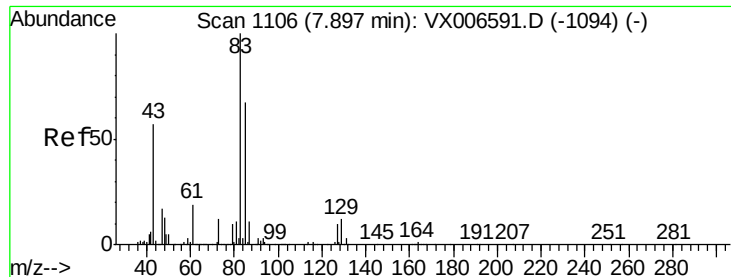
MMDadoda
 1/2/2019 10:46:39 AM



#46
 Dibromomethane
 Concen: 18.762 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.0	66.2	99.4
174	116.4	91.0	136.4





#47

Bromodichloromethane

Concen: 18.884 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

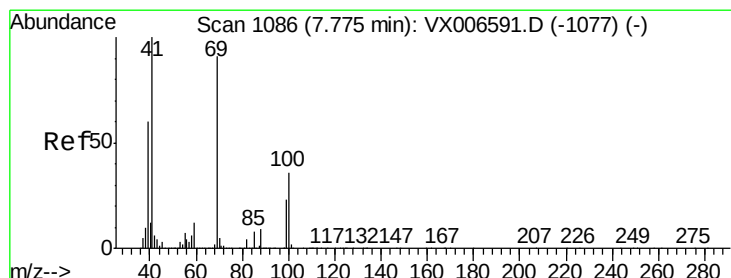
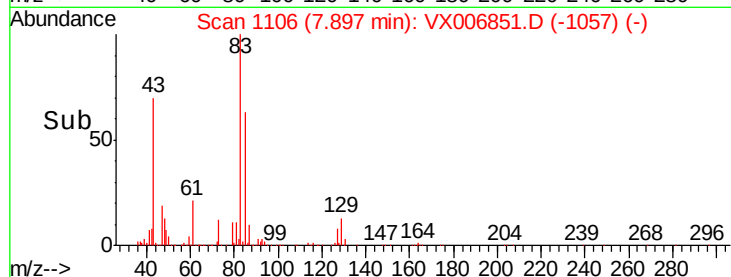
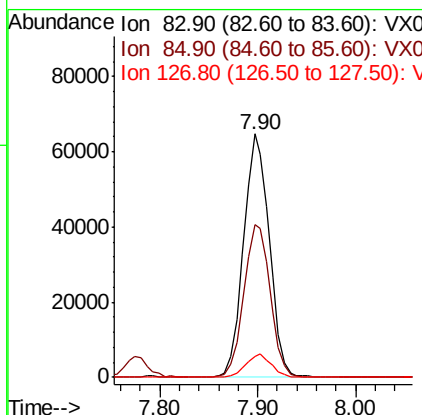
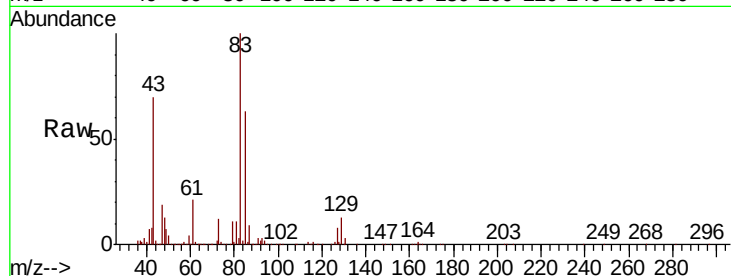
ClientSampled :

VX1228WBS01

Tot Ion:	83	Resp:	117683
Ion Ratio	Lower	Upper	
83	100		
85	62.5	53.2	79.8
127	8.5	7.8	11.6

Manual Integrations
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MMDadoda
1/2/2019 10:46:39 AM



#48

Methyl methacrylate

Concen: 21.158 ug/l

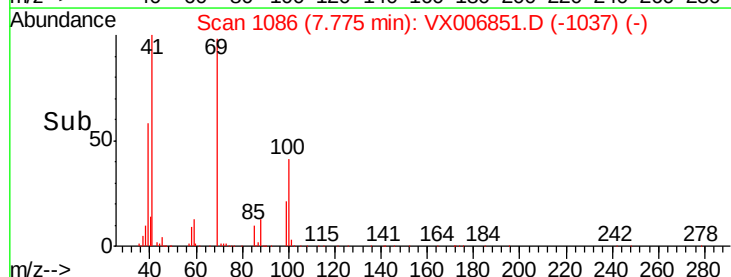
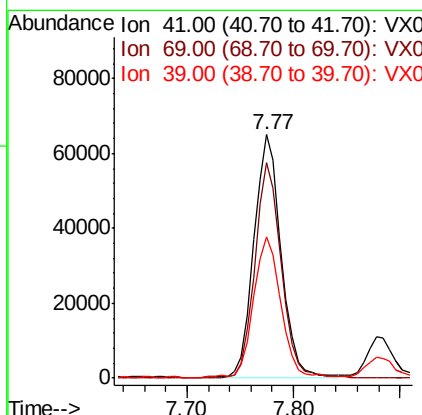
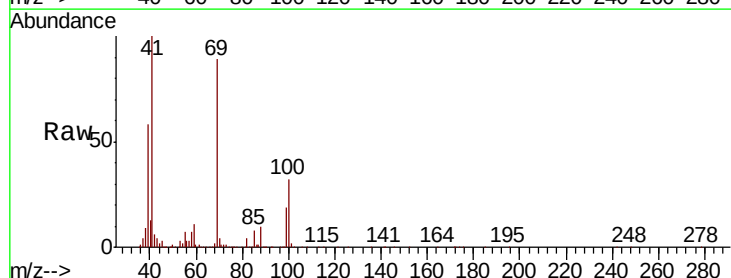
RT: 7.77 min Scan# 1086

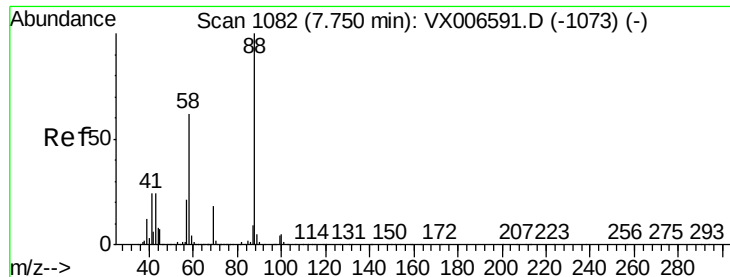
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion:	41	Resp:	117555
Ion Ratio	Lower	Upper	
41	100		
69	85.8	72.4	108.6
39	57.6	45.8	68.8





#49

1,4-Dioxane

Concen: 344.135 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

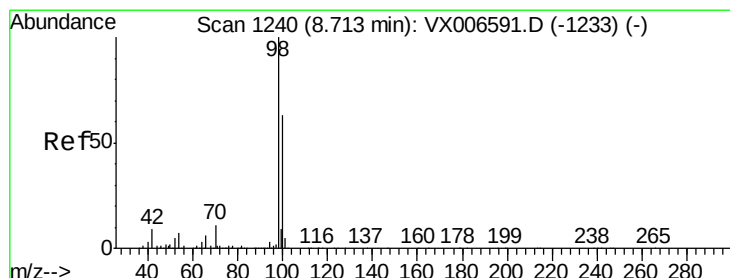
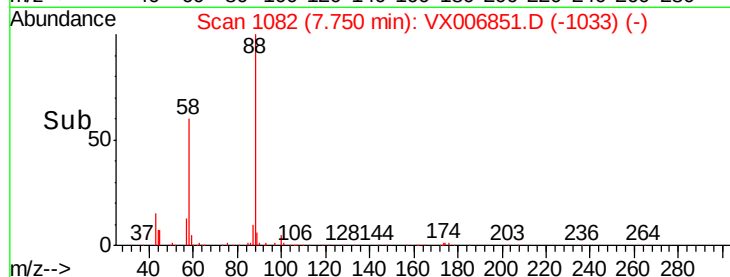
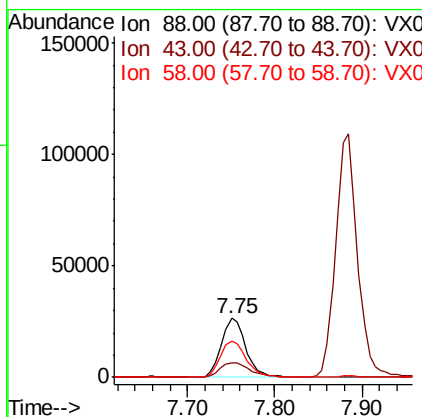
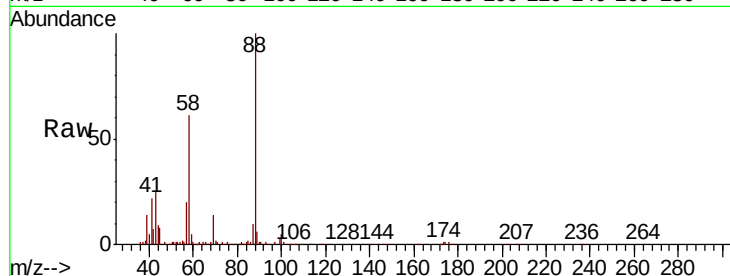
ClientSampled :

VX1228WBS01

Tot Ion:	88	Resp:	51922
Ion	Ratio	Lower	Upper
88	100		
43	30.9	22.2	33.4
58	63.6	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 47.835 ug/l

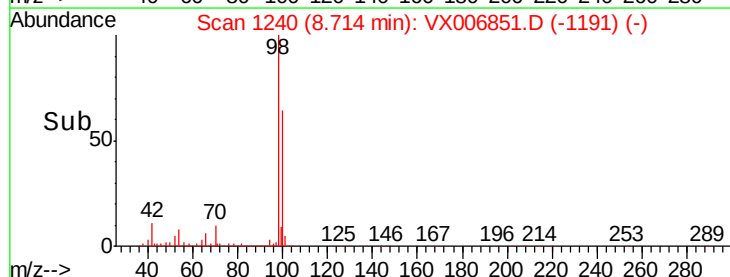
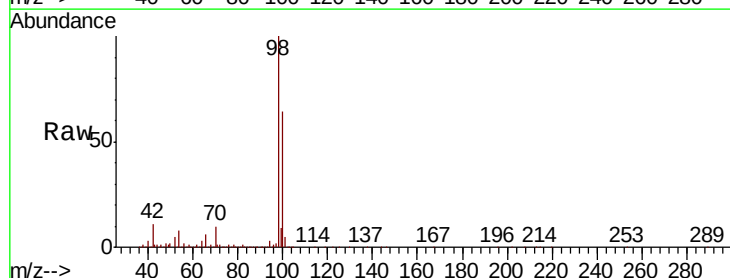
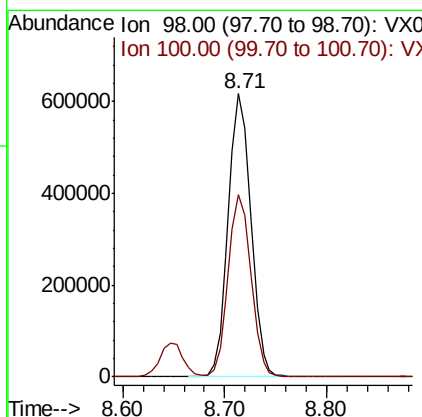
RT: 8.71 min Scan# 1240

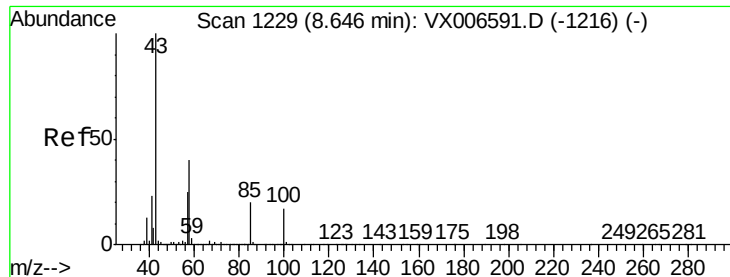
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion:	98	Resp:	949964
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





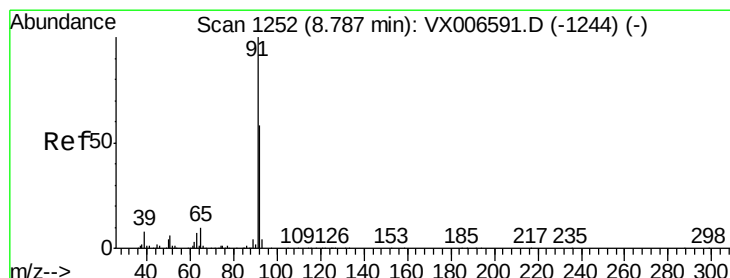
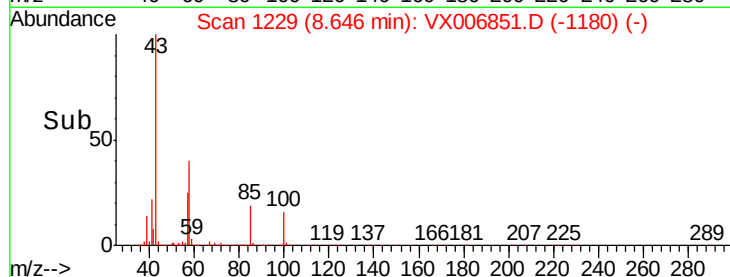
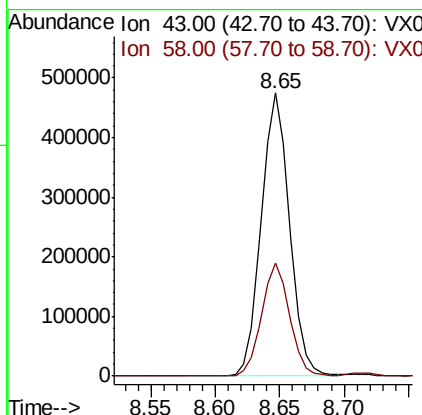
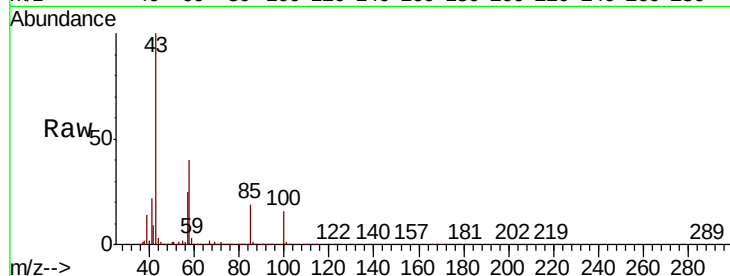
#51
4-Methyl-2-Pentanone
Concen: 103.641 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampled :
VX1228WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.8	47.6

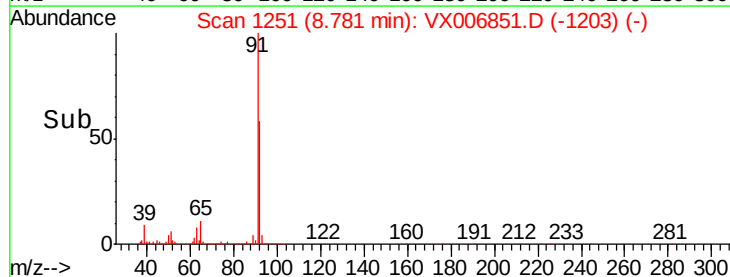
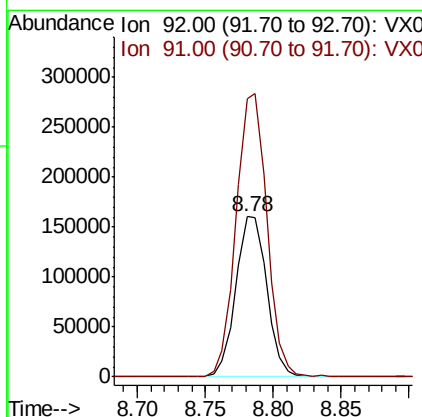
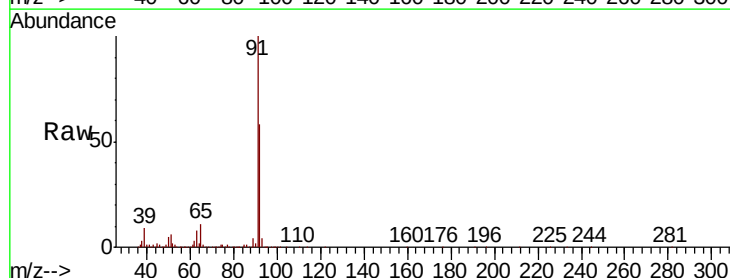
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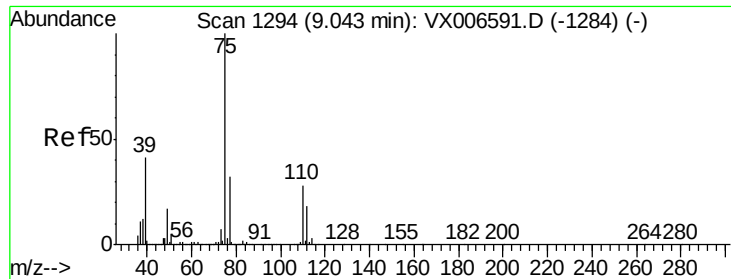
MMDadoda
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#52
Toluene
Concen: 18.846 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.6	137.6	206.4





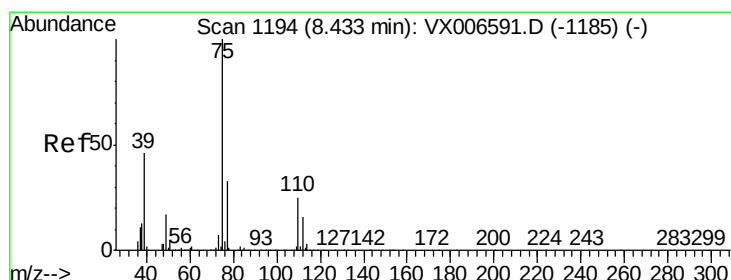
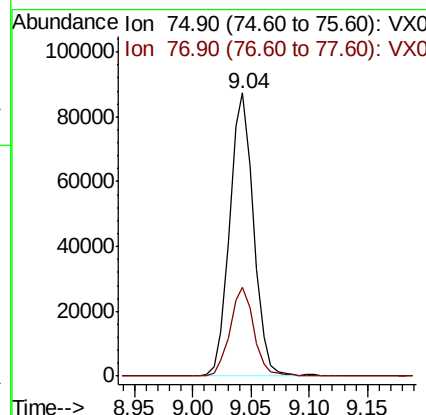
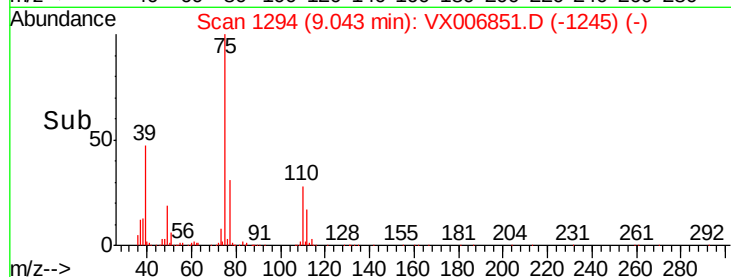
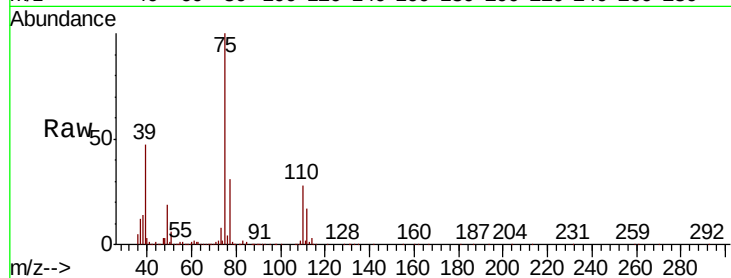
#53
t-1,3-Dichloropropene
Concen: 18.680 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampled :
VX1228WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0

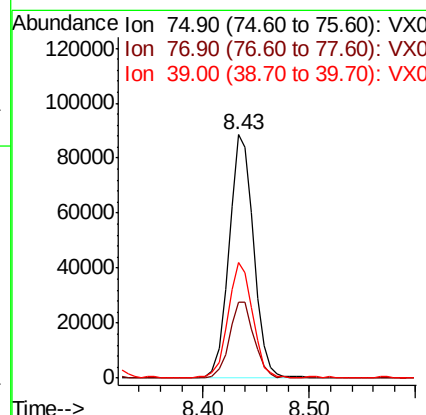
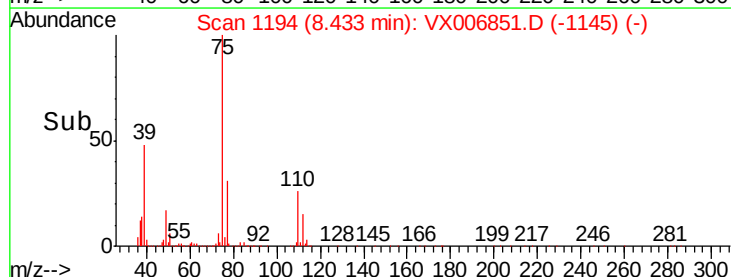
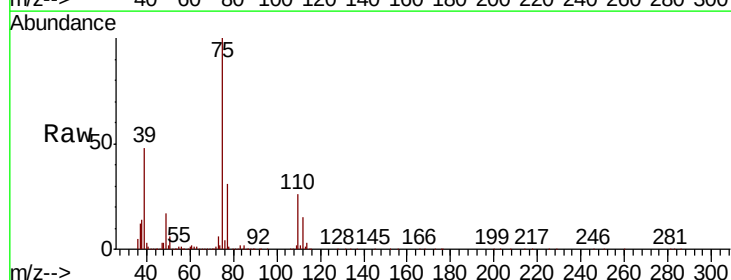
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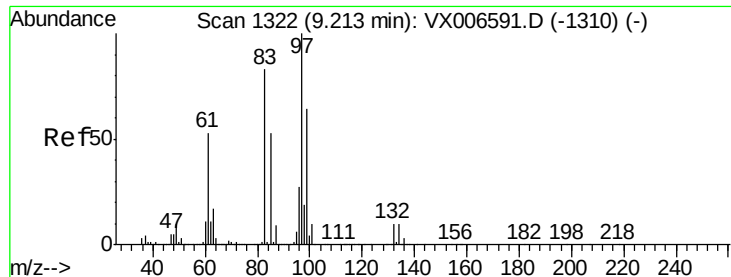
MMDadoda
1/2/2019 10:46:39 AM



#54
cis-1,3-Dichloropropene
Concen: 19.533 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.2	39.2
39	47.4	36.7	55.1





#55

1,1,2-Trichloroethane

Concen: 19.945 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

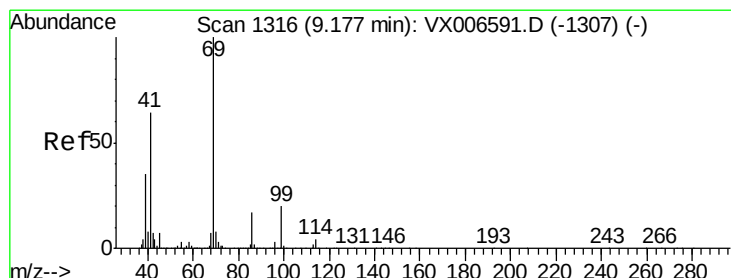
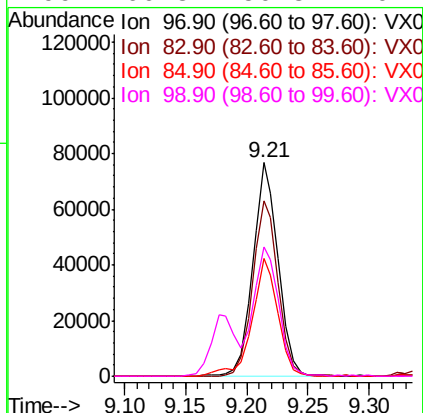
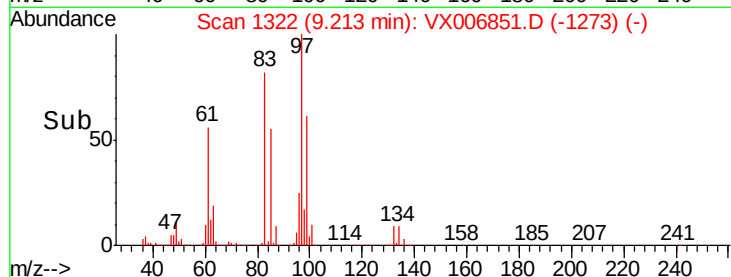
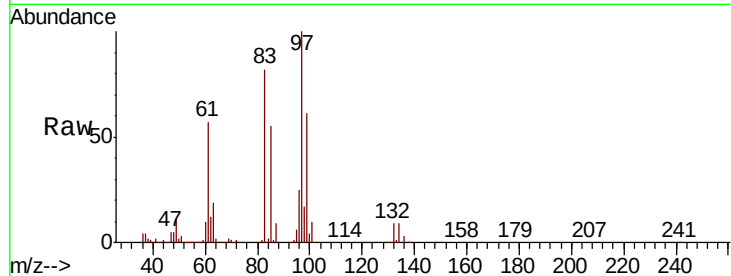
ClientSampleId :

VX1228WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		110605		
83	82.0	66.6	99.8		
85	55.1	42.7	64.1		
99	60.3	50.8	76.2		

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#56

Ethyl methacrylate

Concen: 20.218 ug/l

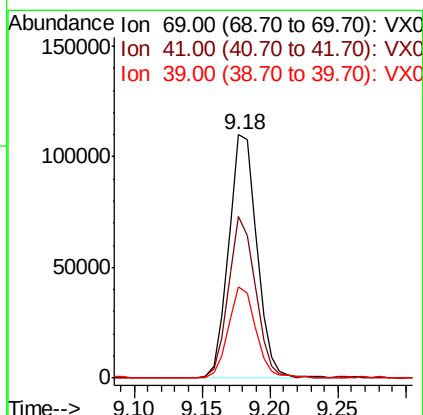
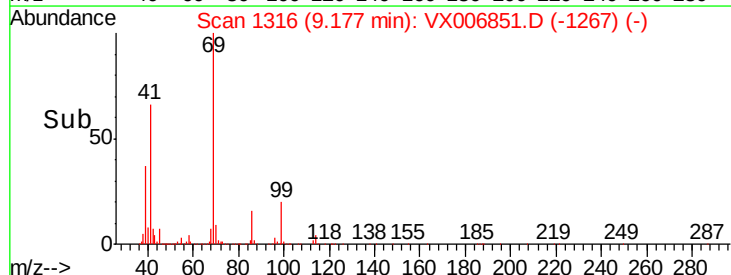
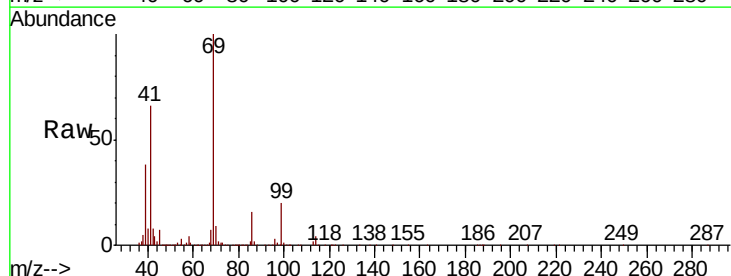
RT: 9.18 min Scan# 1316

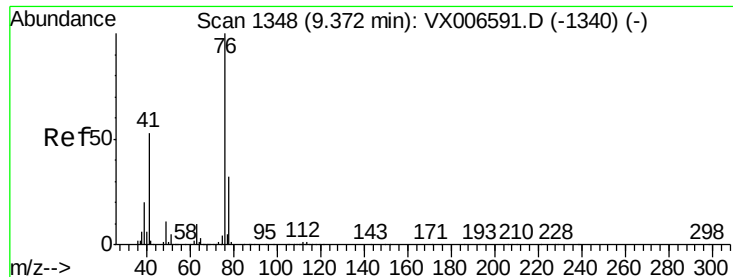
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		158466		
41	63.7	48.7	73.1		
39	36.1	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 19.586 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampled :

VX1228WBS01

Tot Ion: 76 Resp: 174747

Ion Ratio Lower Upper

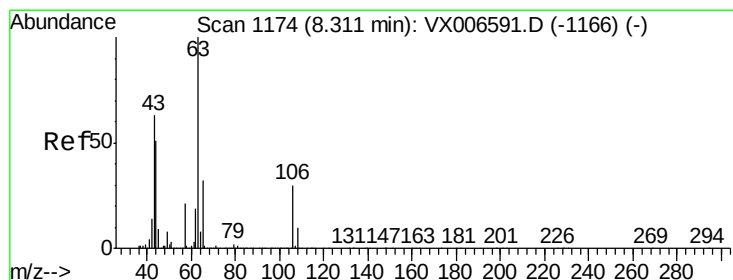
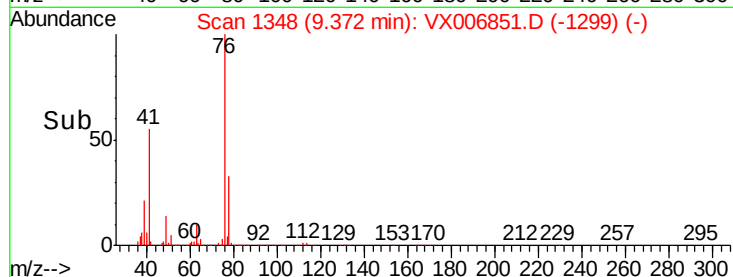
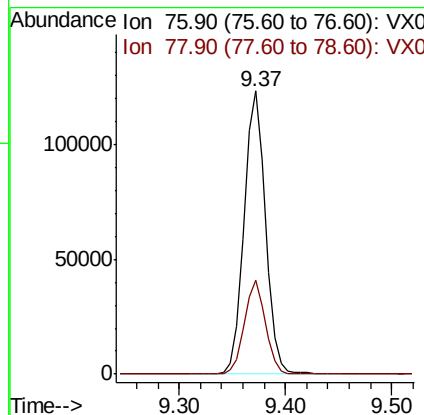
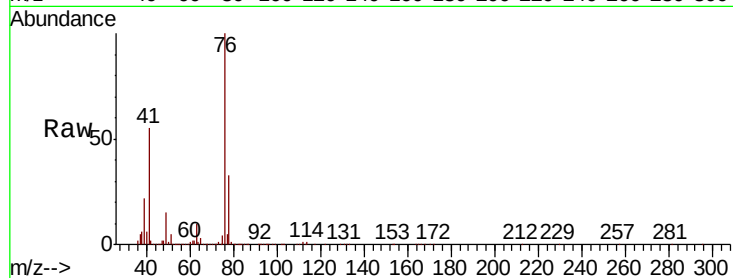
76 100

78 32.7 26.0 39.0

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1/2/2019 10:46:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 97.871 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006851.D

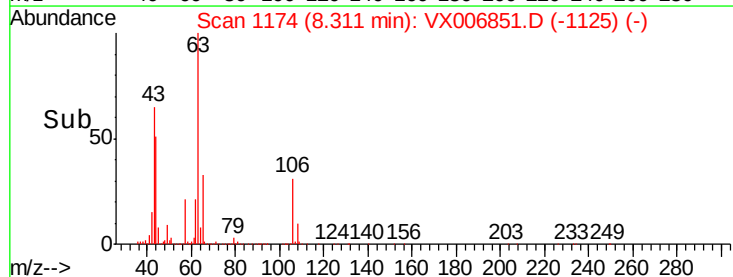
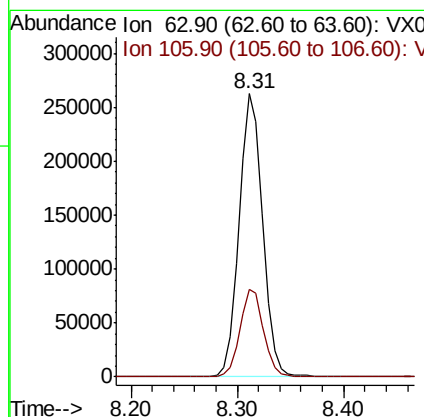
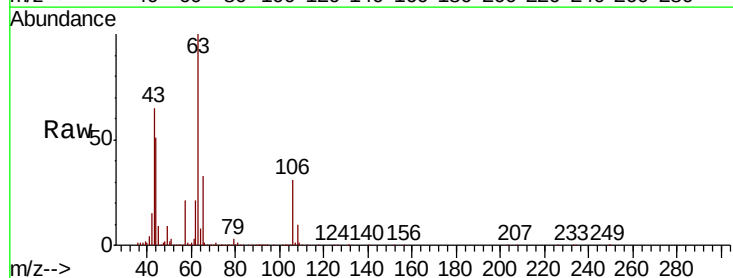
Acq: 28 Dec 2018 10:47

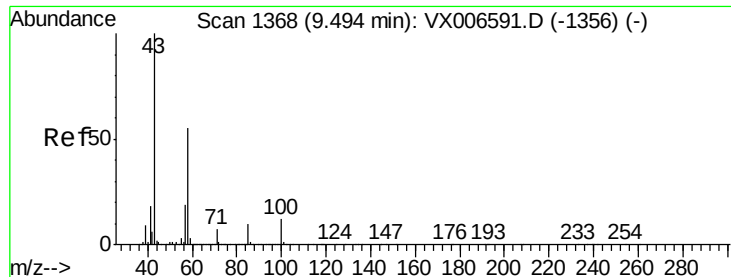
Tgt Ion: 63 Resp: 407756

Ion Ratio Lower Upper

63 100

106 30.9 24.6 36.8





#59

2-Hexanone

Concen: 102.382 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX1228WBS01

Tot Ion: 43 Resp: 544550

Ion Ratio Lower Upper

43 100

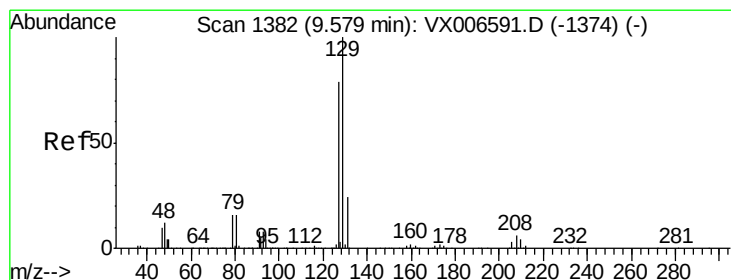
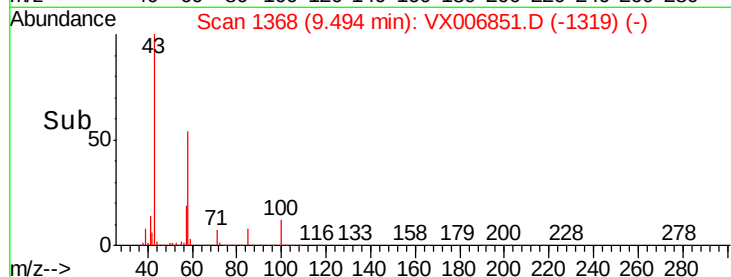
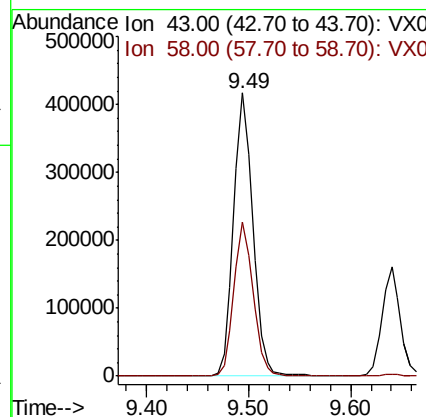
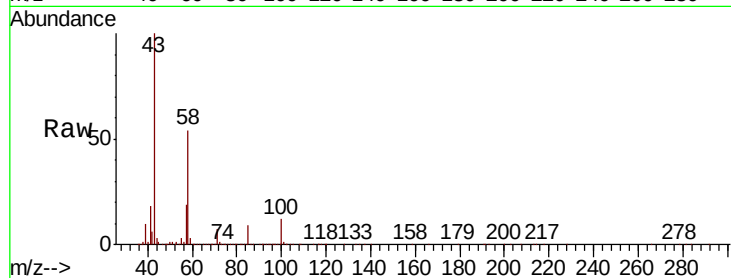
58 54.5 27.7 83.1

Manual Integrations

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1/2/2019 10:46:39 AM



#60

Dibromochloromethane

Concen: 18.628 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX006851.D

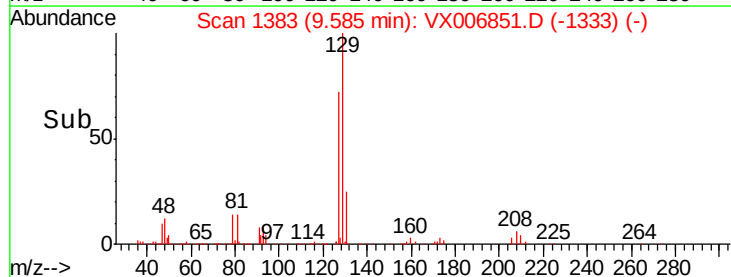
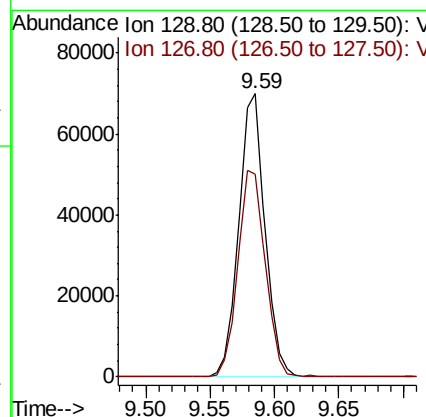
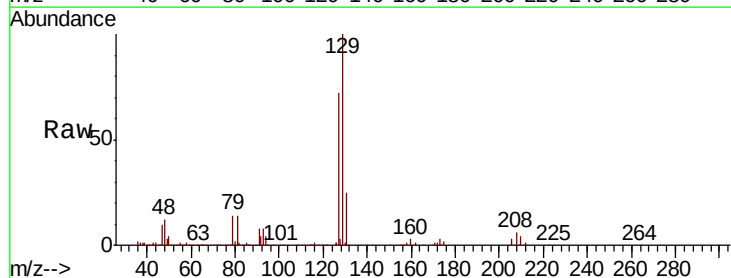
Acq: 28 Dec 2018 10:47

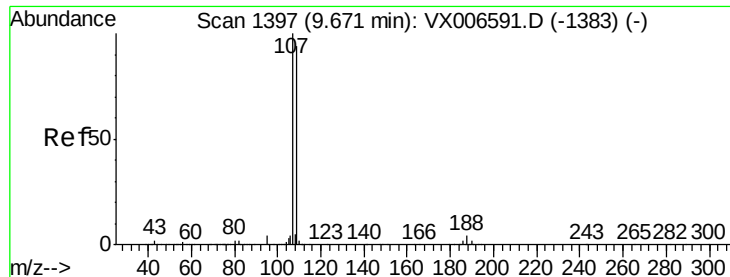
Tgt Ion: 129 Resp: 99167

Ion Ratio Lower Upper

129 100

127 76.3 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.397 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX1228WBS01

Tot Ion: 107 Resp: 114345

Ion Ratio Lower Upper

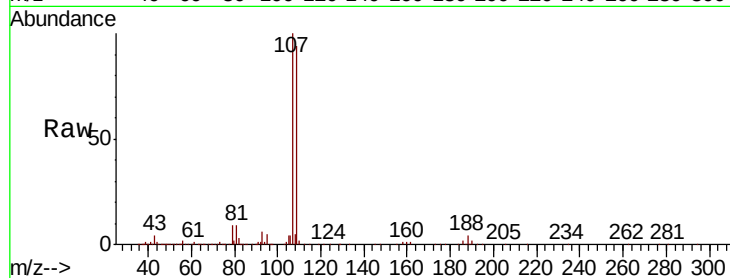
107 100

109 96.3 75.8 113.6

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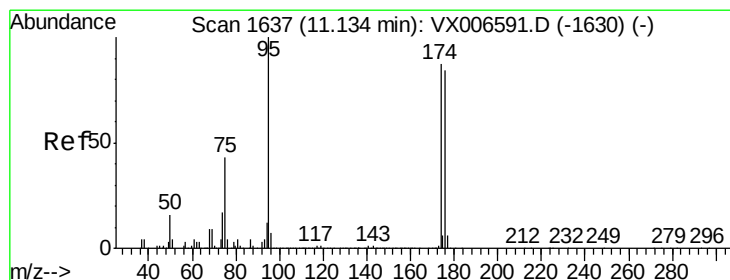
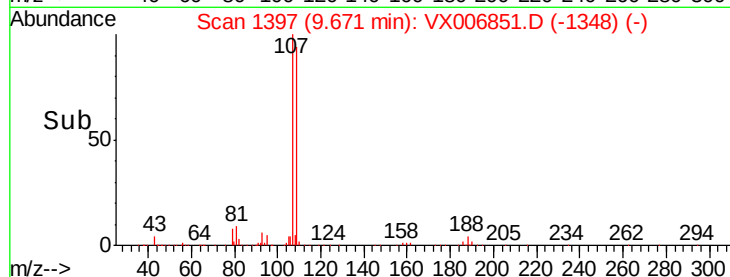
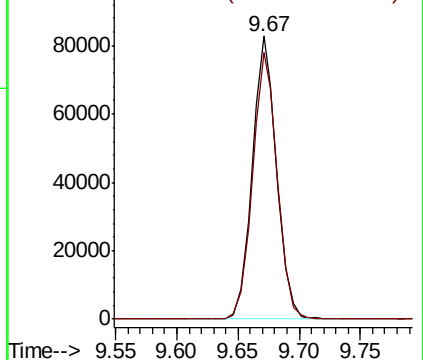
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.449 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

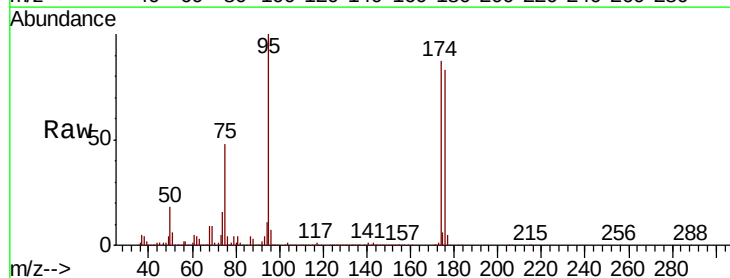
Tgt Ion: 95 Resp: 337833

Ion Ratio Lower Upper

95 100

174 93.9 0.0 182.2

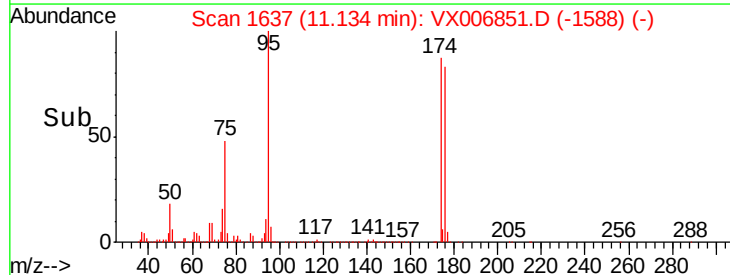
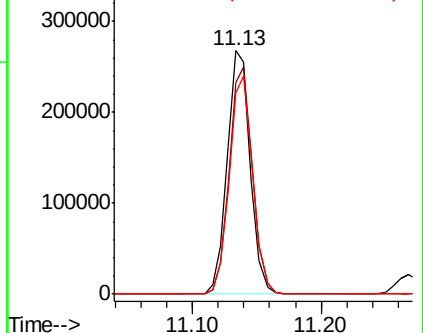
176 90.1 0.0 178.8

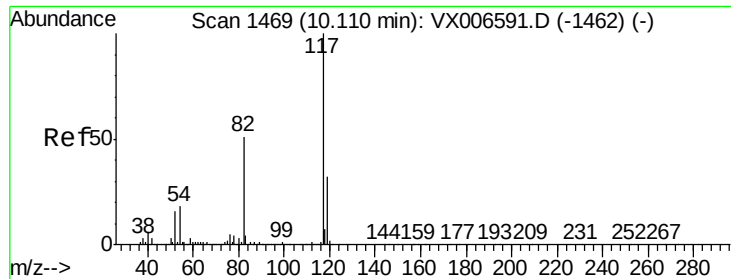


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





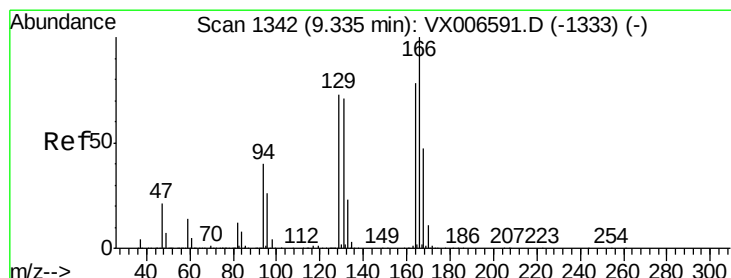
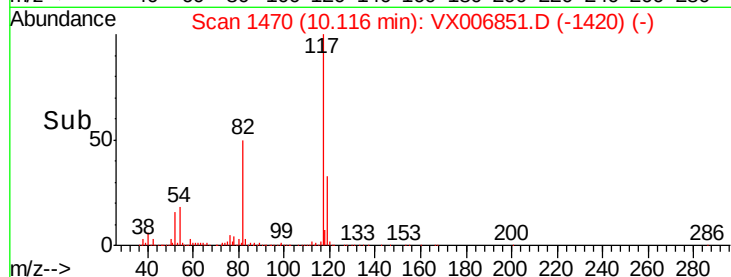
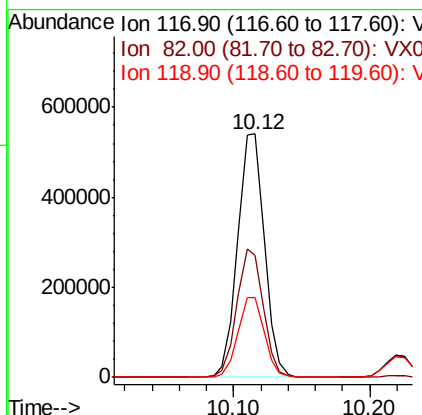
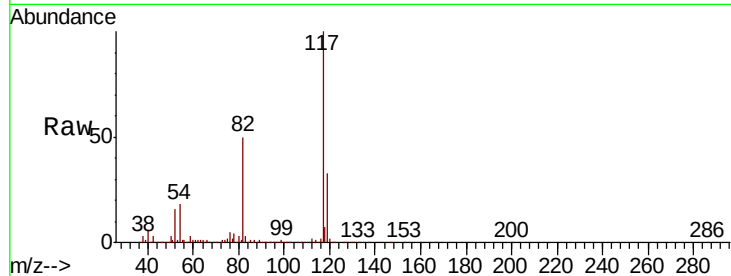
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX1228WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	41.0	61.6
119	32.7	25.4	38.0

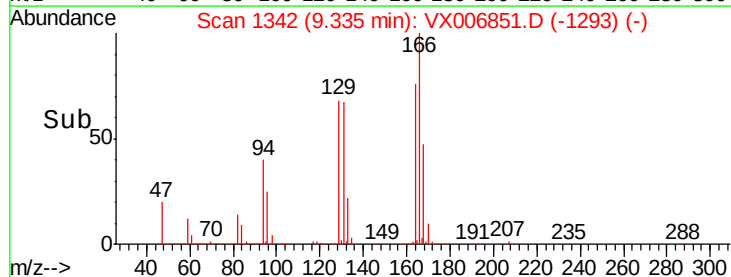
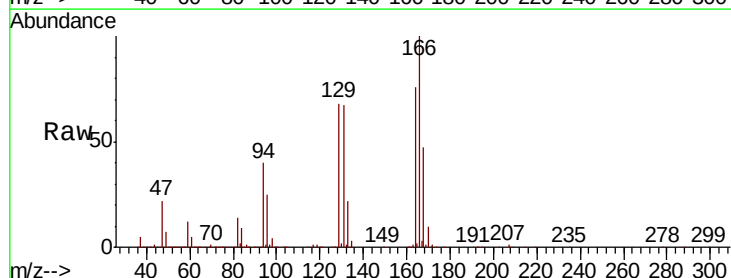
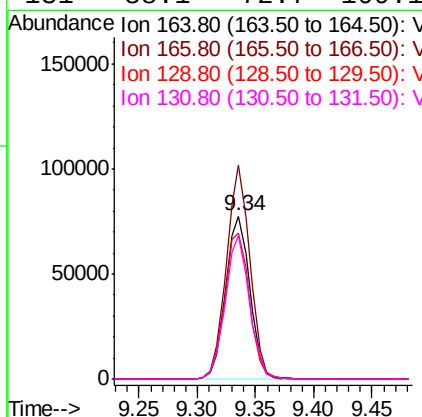
Manual Integrations
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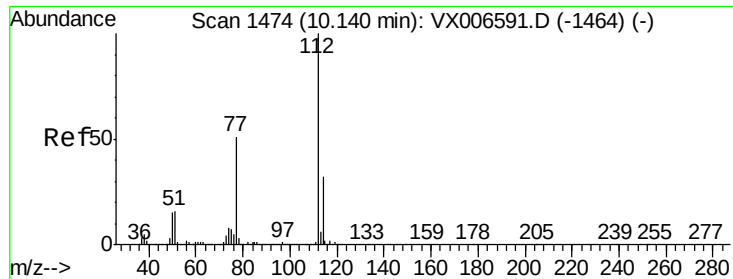
MMDadoda
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#64
Tetrachloroethene
Concen: 19.058 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.5	153.7
129	89.6	75.1	112.7
131	88.1	72.7	109.1





#65

Chlorobenzene

Concen: 18.732 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampleId :

VX1228WBS01

Tot Ion:112 Resp: 295227

Ion Ratio Lower Upper

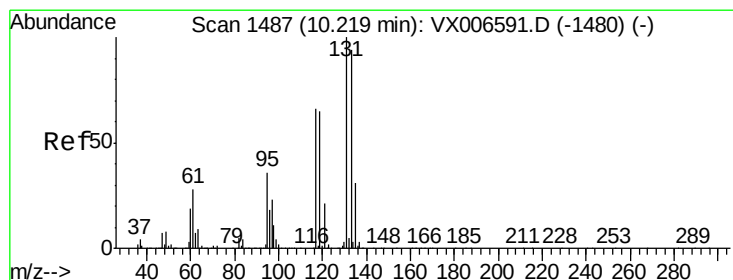
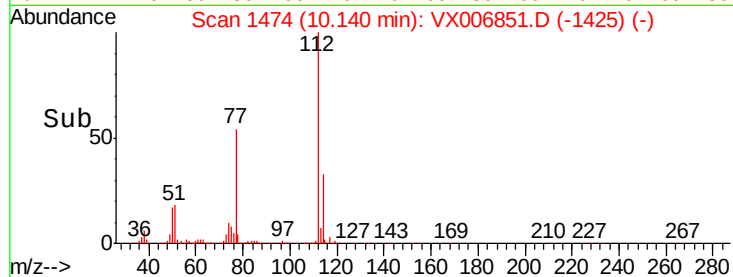
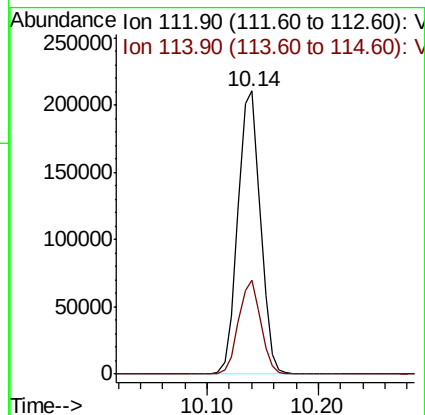
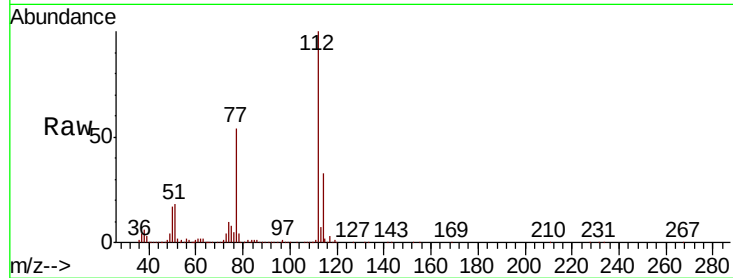
112 100

114 33.3 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.461 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

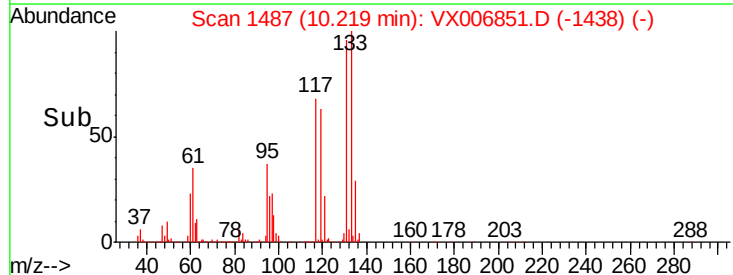
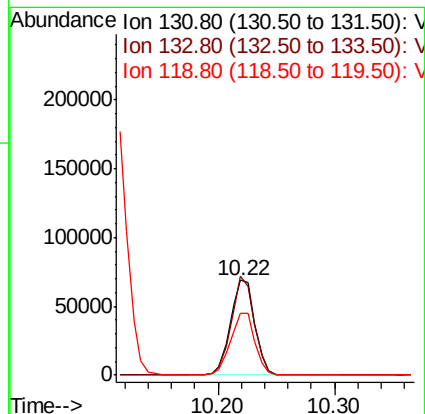
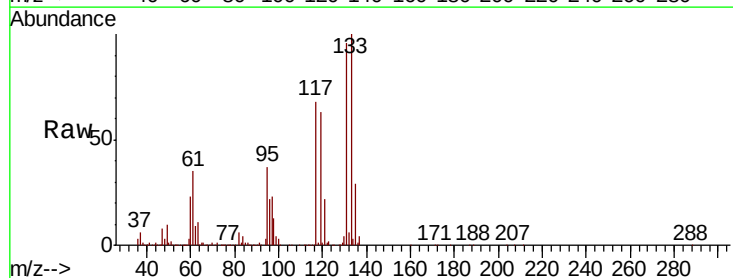
Tgt Ion:131 Resp: 100615

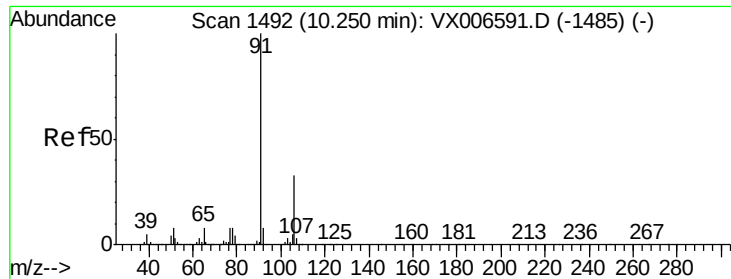
Ion Ratio Lower Upper

131 100

133 97.5 48.0 144.2

119 65.1 32.6 97.8





#67

Ethyl Benzene

Concen: 18.700 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampled :

VX1228WBS01

Tot Ion: 91 Resp: 481608

Ion Ratio Lower Upper

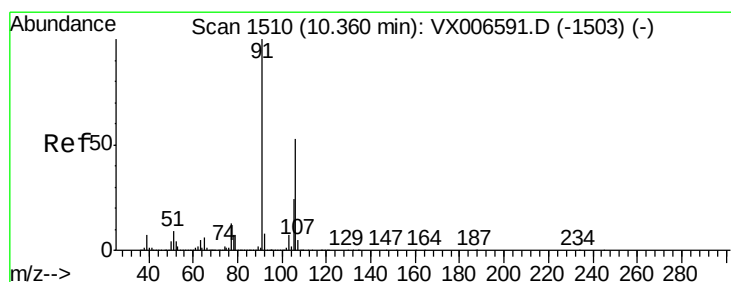
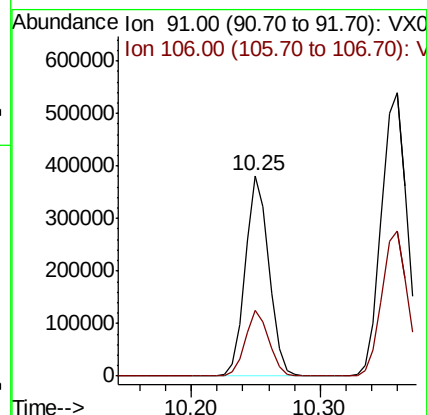
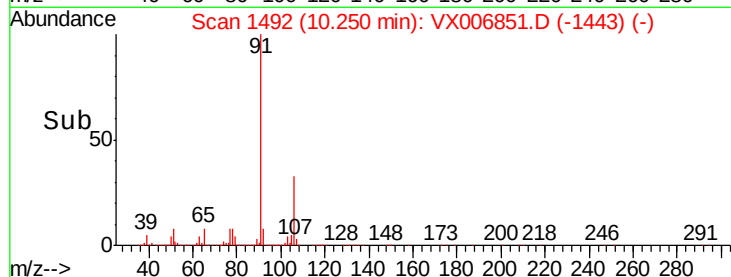
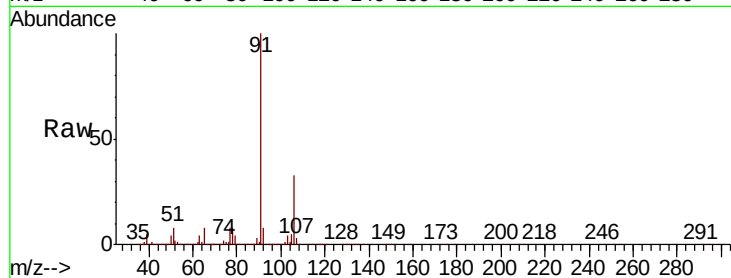
91 100

106 32.9 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 37.430 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006851.D

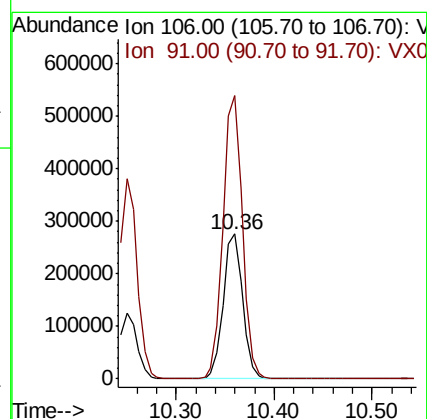
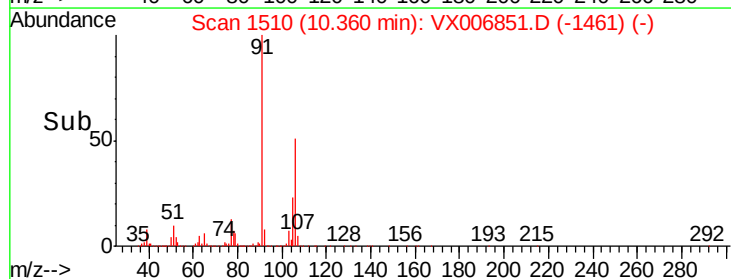
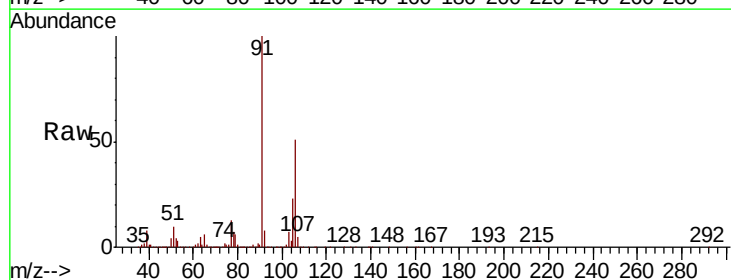
Acq: 28 Dec 2018 10:47

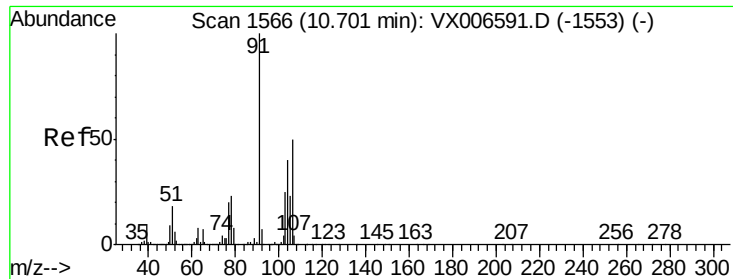
Tgt Ion: 106 Resp: 380379

Ion Ratio Lower Upper

106 100

91 194.7 155.8 233.6





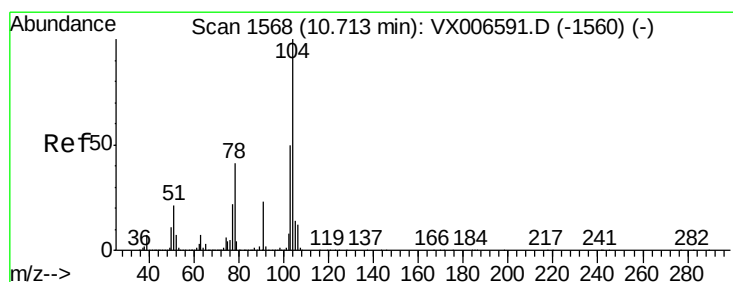
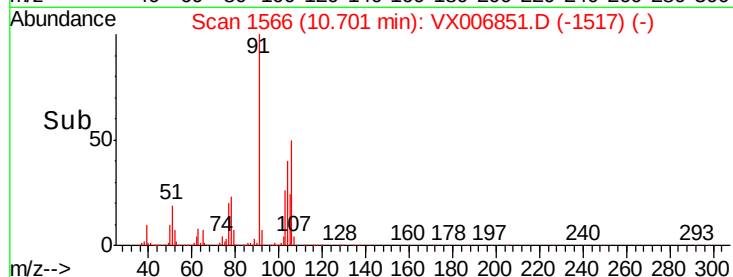
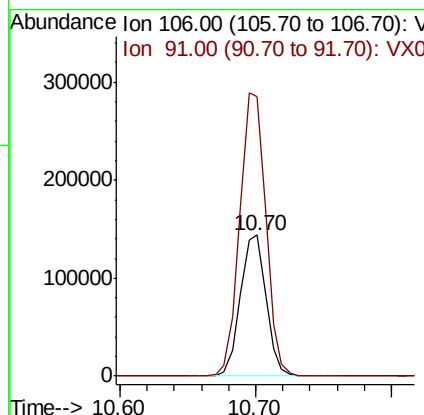
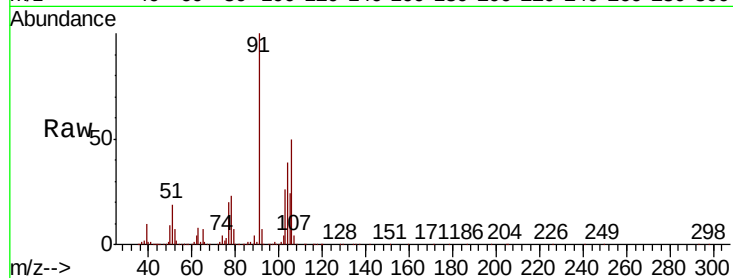
#69
o-Xylene
Concen: 18.827 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampled :
VX1228WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.9	101.3	303.7

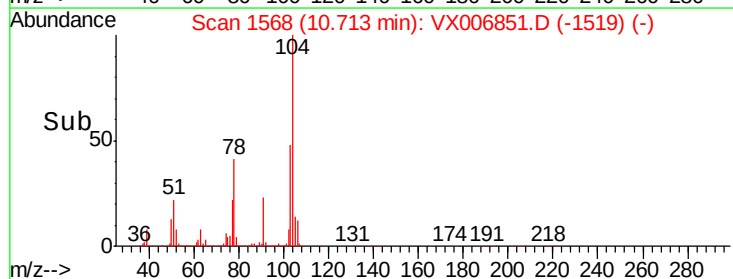
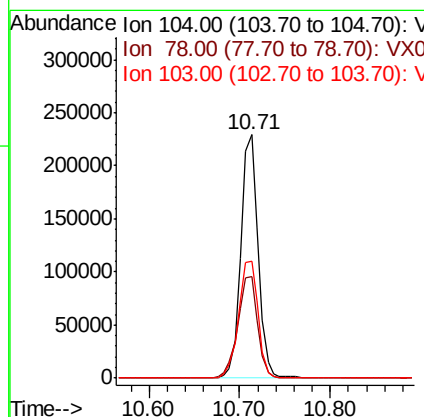
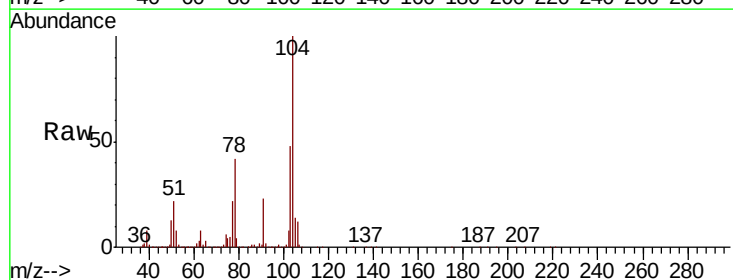
Manual Integrations
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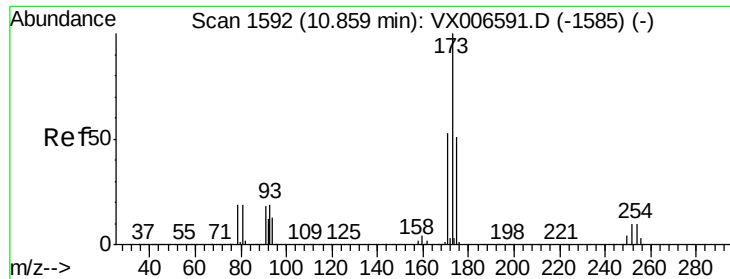
MMDadoda
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#70
Styrene
Concen: 19.027 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	37.7	56.5
103	54.4	43.8	65.8





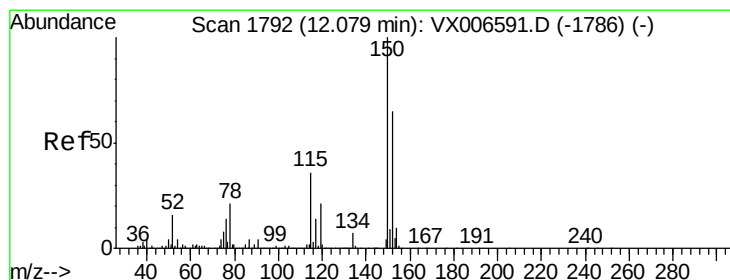
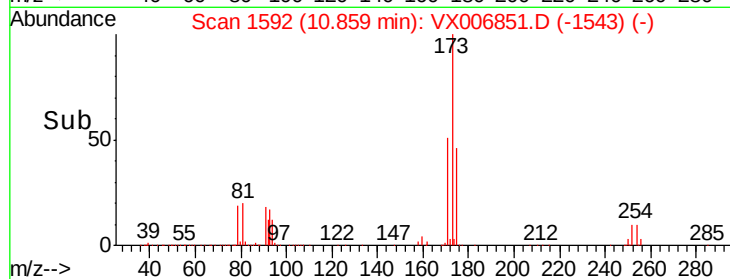
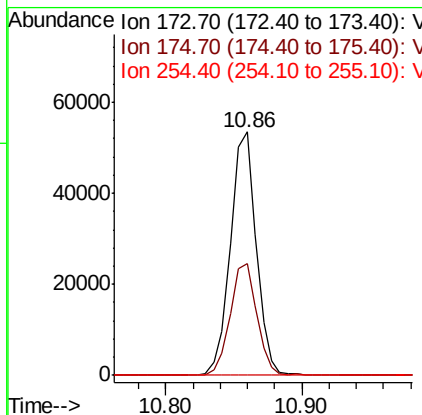
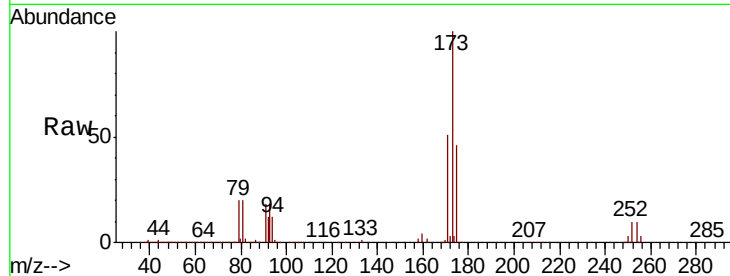
#71
Bromoform
Concen: 18.996 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampleId :
VX1228WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.7	74.1
254	0.2	0.2	0.2

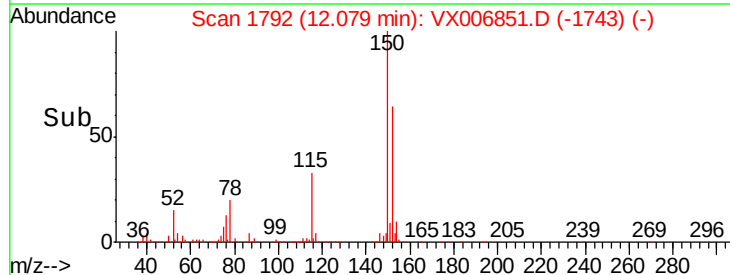
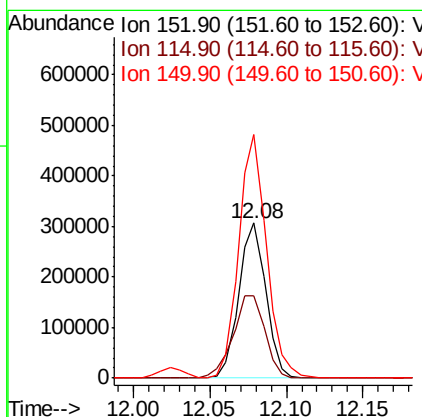
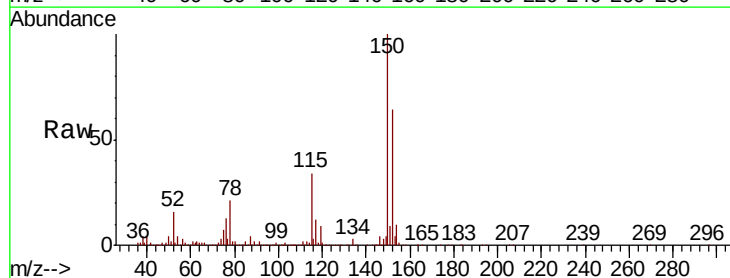
Manual Integrations
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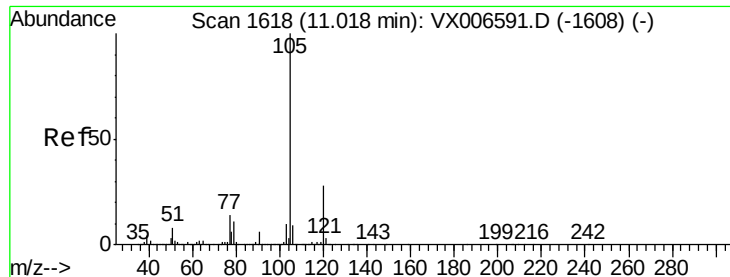
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	39.1	117.2
150	161.6	0.0	344.8





#73

Isopropylbenzene

Concen: 19.165 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampled :

VX1228WBS01

Tot Ion: 105 Resp: 492794

Ion Ratio Lower Upper

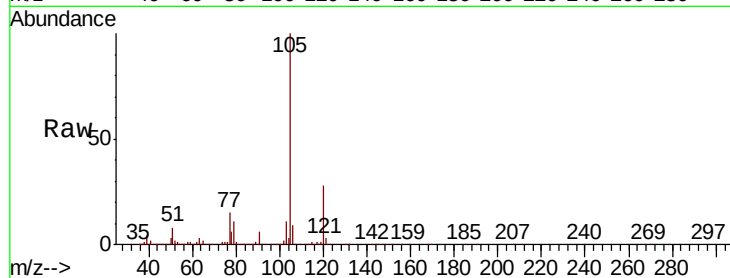
105 100

120 27.6 14.1 42.4

Manual Integrations
APPROVED

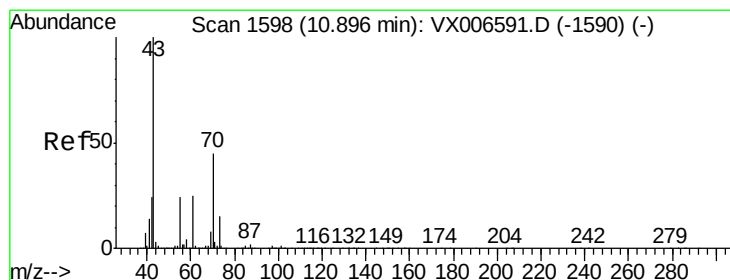
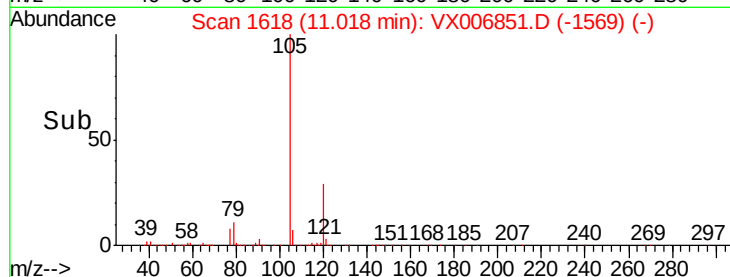
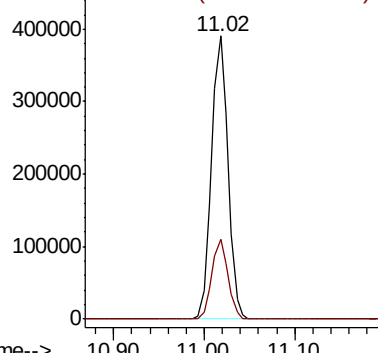
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.376 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion: 43 Resp: 196738

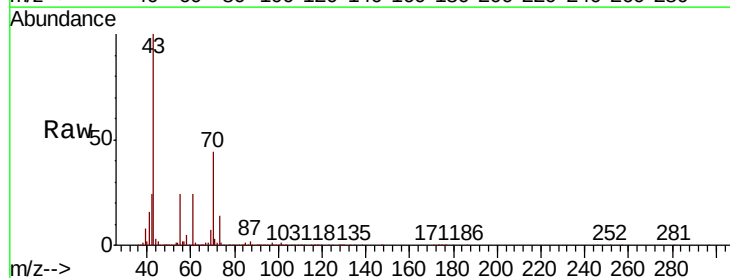
Ion Ratio Lower Upper

43 100

70 43.6 35.8 53.8

55 24.2 19.4 29.0

61 24.5 20.1 30.1

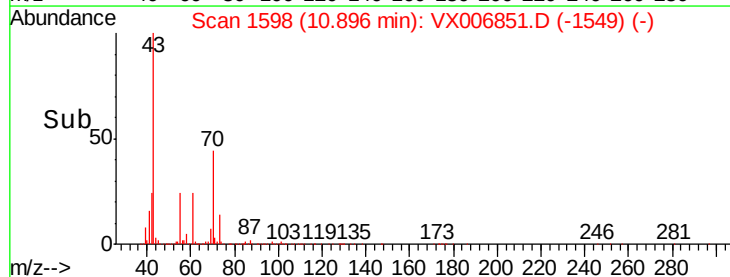
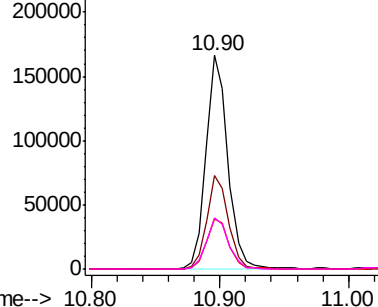


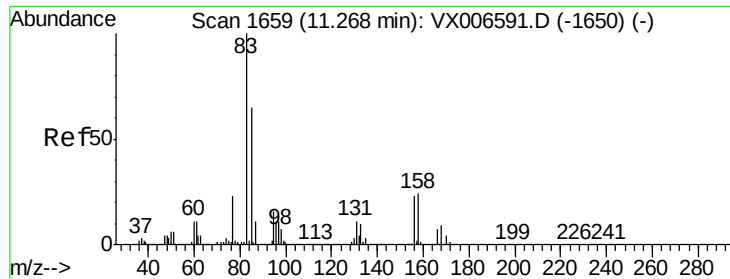
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.546 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

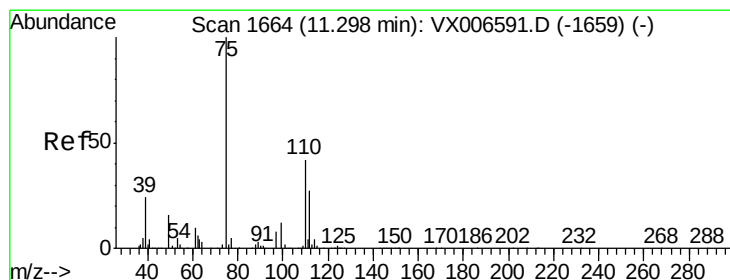
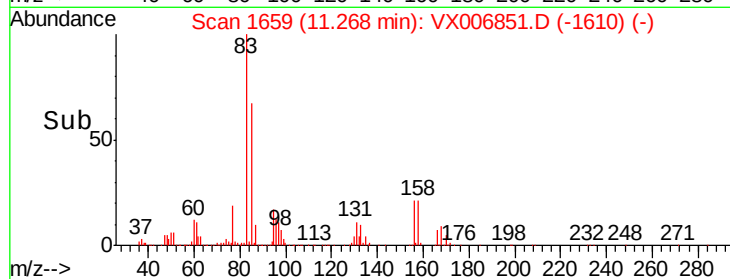
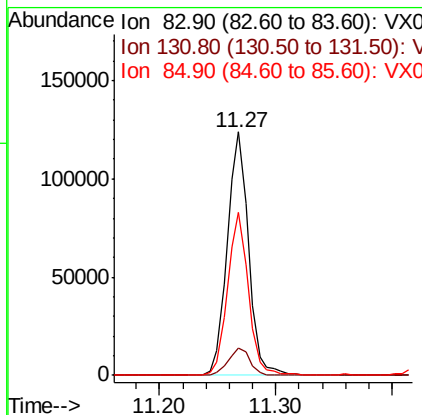
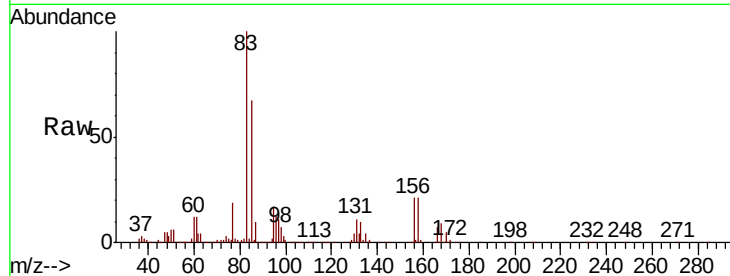
ClientSampleId :

VX1228WBS01

Tot Ion:	83	Resp:	157116
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.1
85	65.4	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 21.197 ug/l m

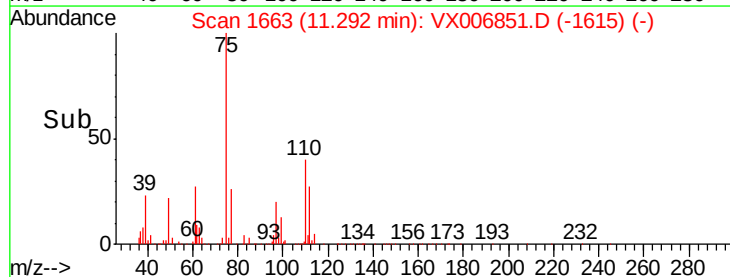
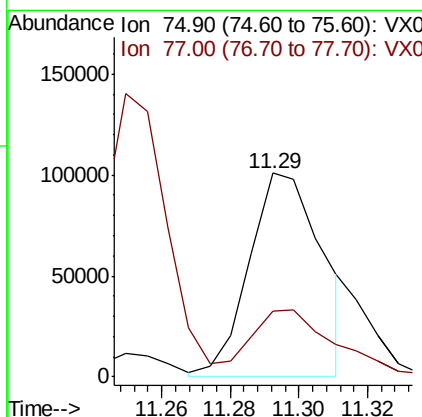
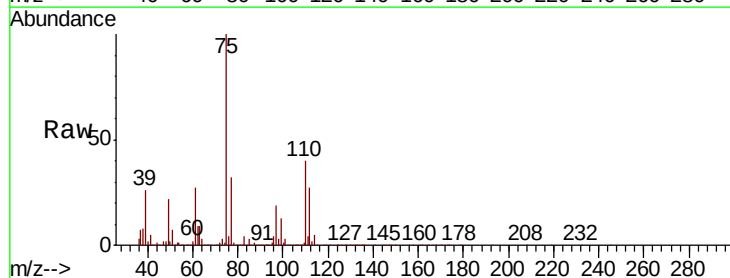
RT: 11.29 min Scan# 1663

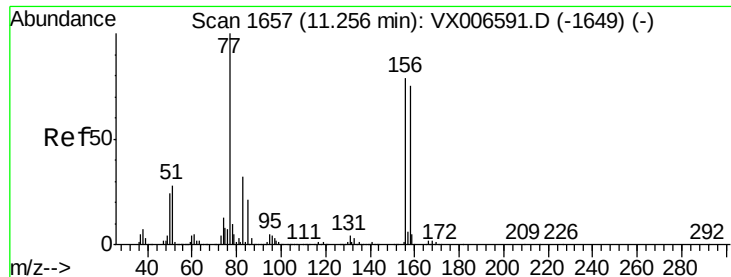
Delta R.T. -0.01 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion:	75	Resp:	148062
Ion Ratio	Lower	Upper	
75	100		
77	38.6	18.5	55.5





#77

Bromobenzene

Concen: 19.431 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

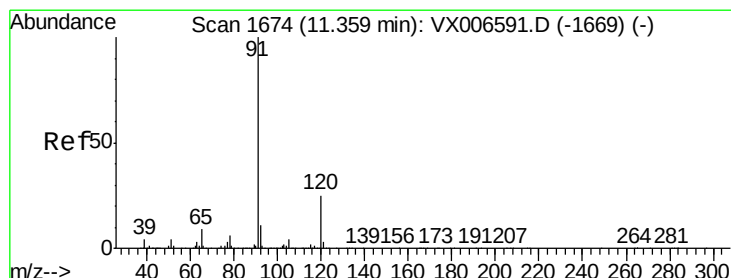
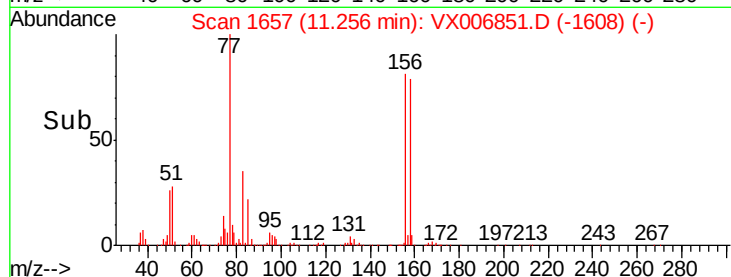
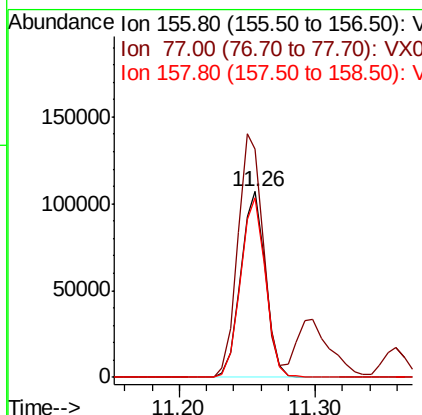
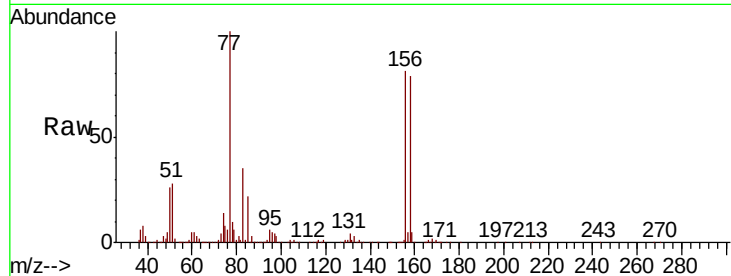
ClientSampleId :

VX1228WBS01

Tot Ion:	156	Resp:	135080
Ion Ratio	Lower	Upper	
156	100		
77	133.7	68.0	204.0
158	97.4	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.163 ug/l

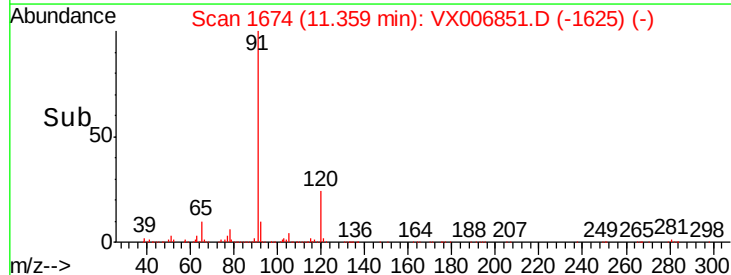
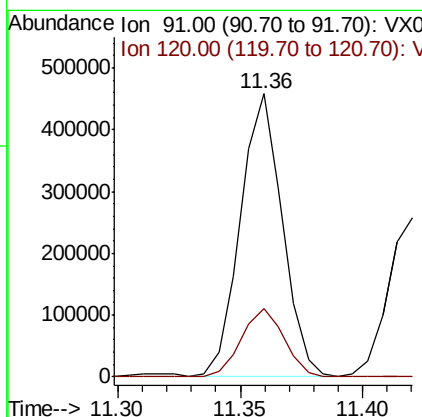
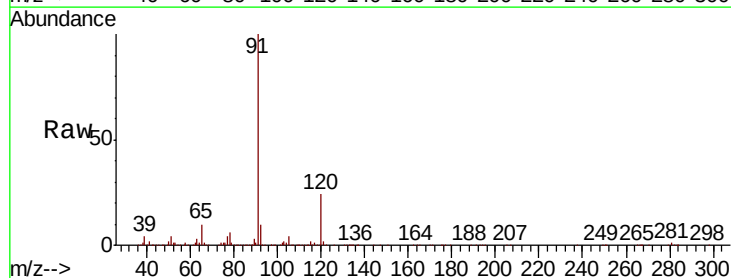
RT: 11.36 min Scan# 1674

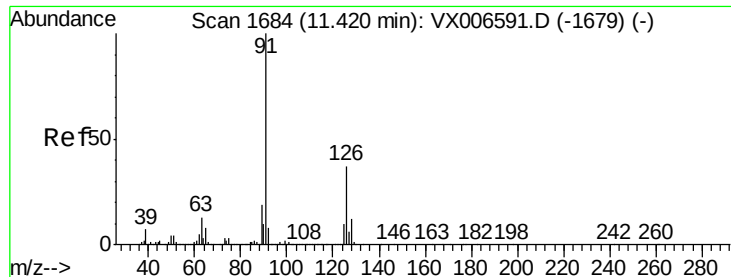
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion:	91	Resp:	542609
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.7	38.0





#79

2-Chlorotoluene

Concen: 18.646 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

ClientSampled :

VX1228WBS01

Tot Ion: 91 Resp: 319944

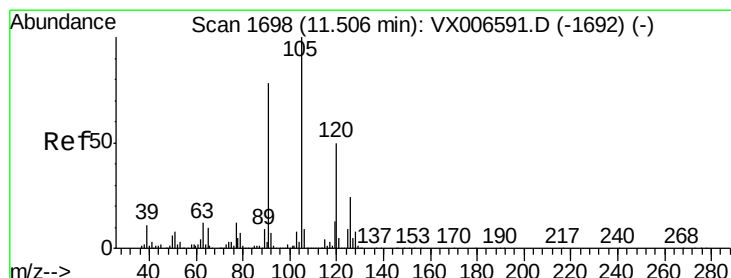
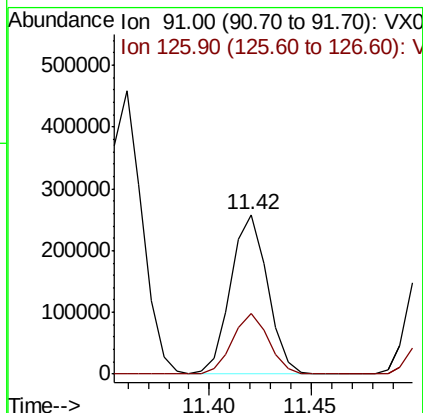
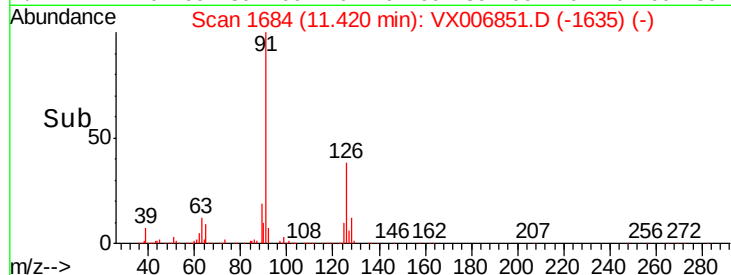
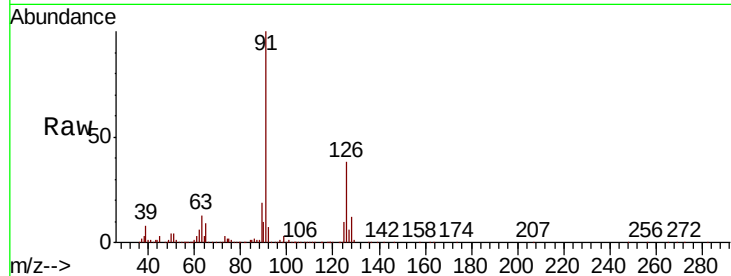
Ion Ratio Lower Upper

91 100

126 37.8 18.6 56.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 18.882 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006851.D

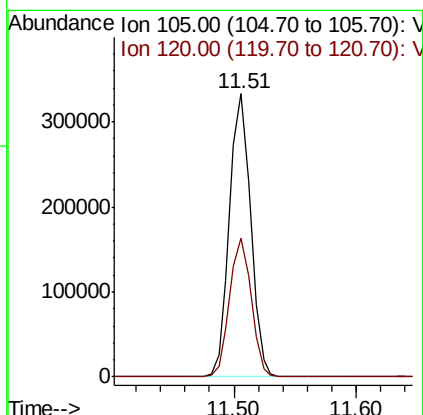
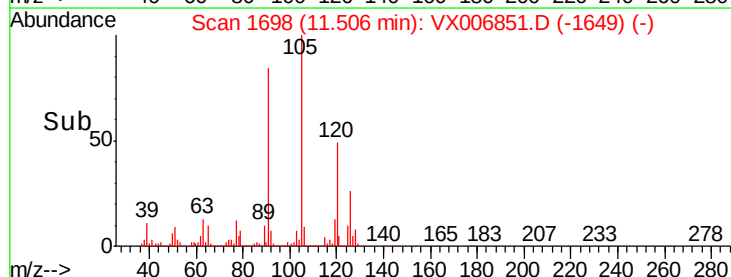
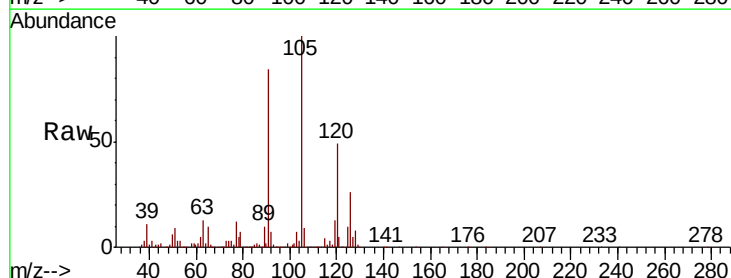
Acq: 28 Dec 2018 10:47

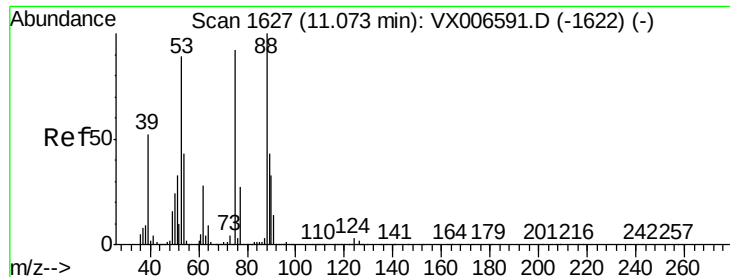
Tgt Ion: 105 Resp: 399892

Ion Ratio Lower Upper

105 100

120 49.7 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 17.804 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

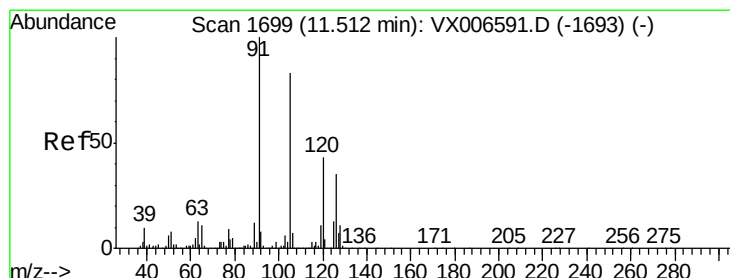
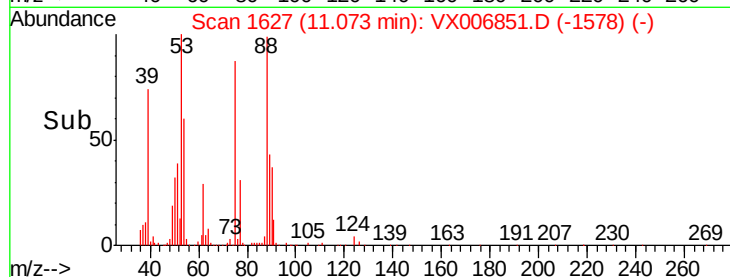
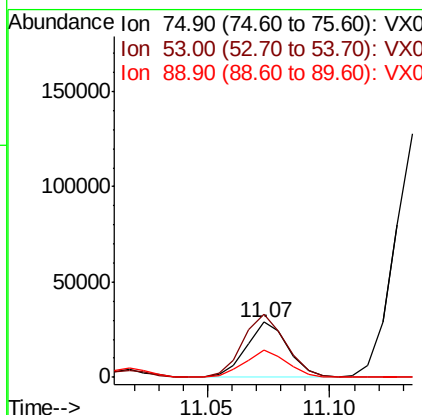
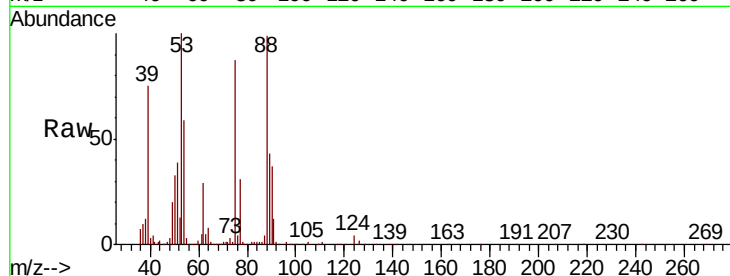
ClientSampleId :

VX1228WBS01

Tot Ion:	75	Resp:	34031
Ion Ratio	Lower	Upper	
75	100		
53	117.8	79.7	119.5
89	50.7	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.852 ug/l

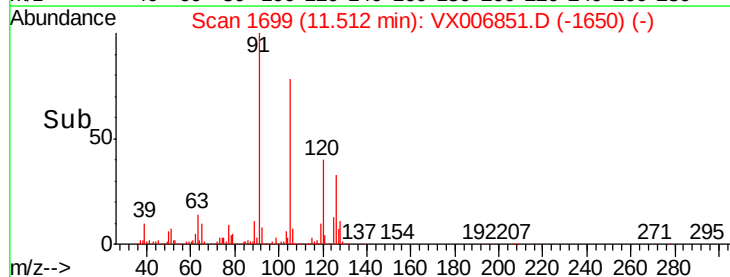
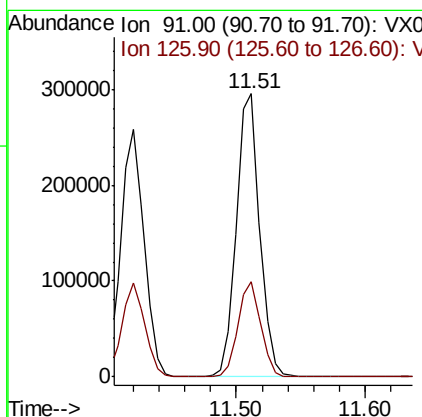
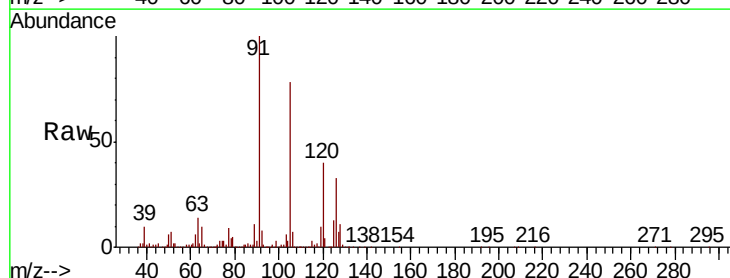
RT: 11.51 min Scan# 1699

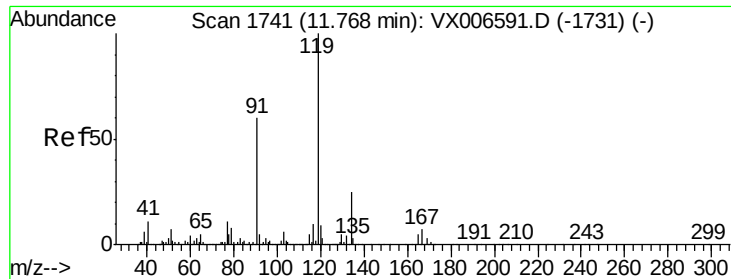
Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion:	91	Resp:	371066
Ion Ratio	Lower	Upper	
91	100		
126	32.9	16.3	48.9





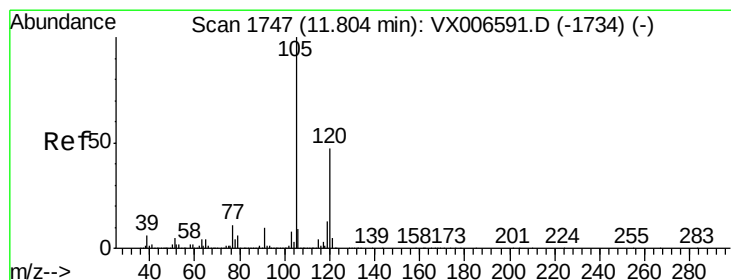
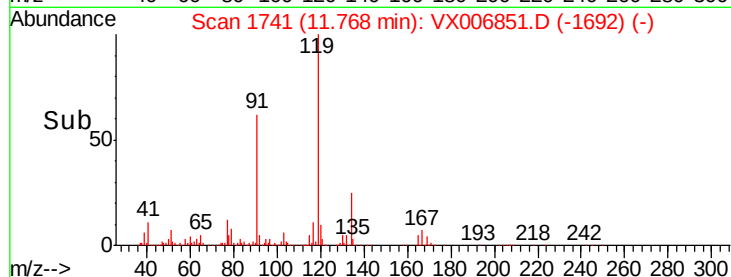
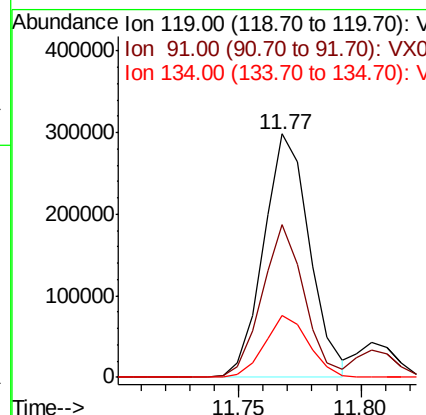
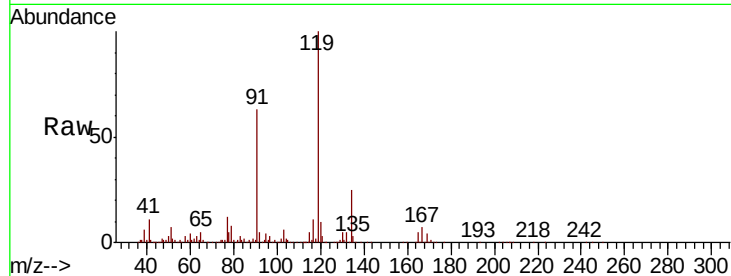
#83
 tert-Butylbenzene
 Concen: 18.329 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	388516		
91	57.9		27.7	83.1
134	24.7		11.9	35.5

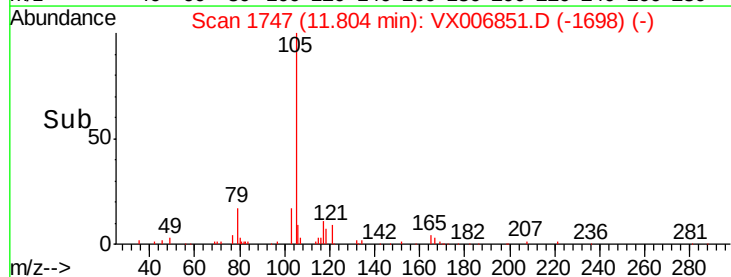
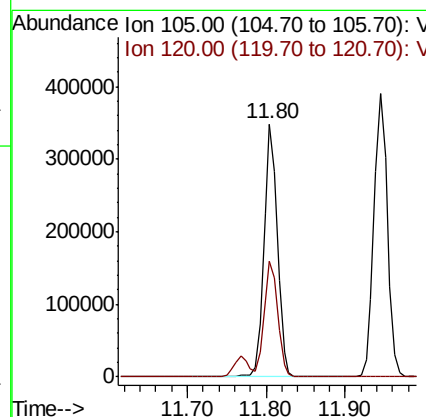
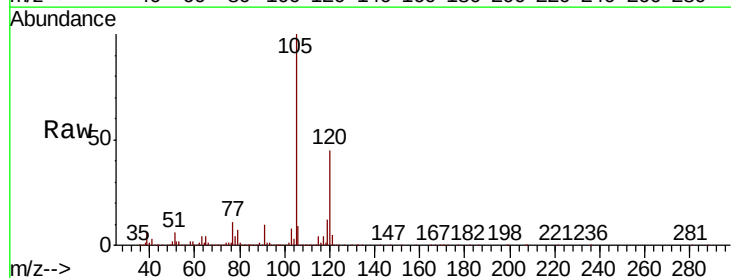
Manual Integrations
 APPROVED

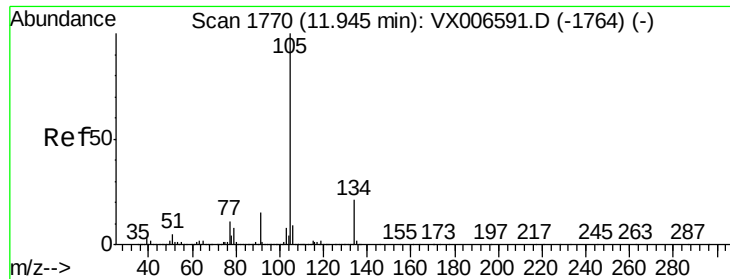
MMDadoda
 1/2/2019 10:46:39 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.581 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	413932		
120	45.9		23.2	69.6





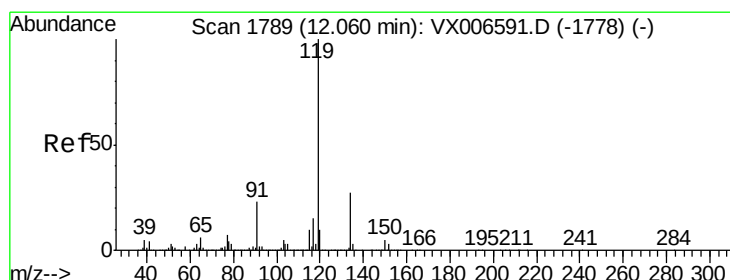
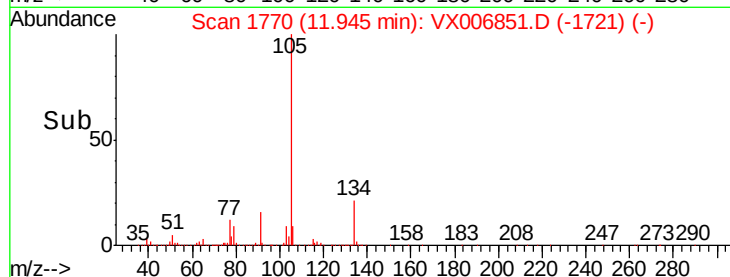
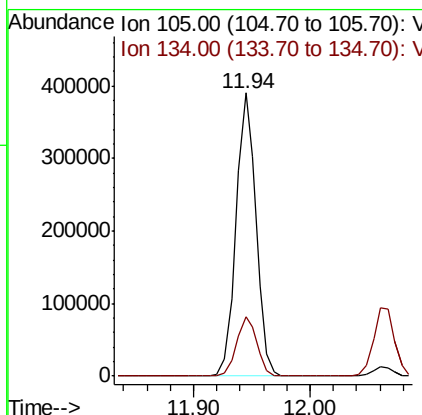
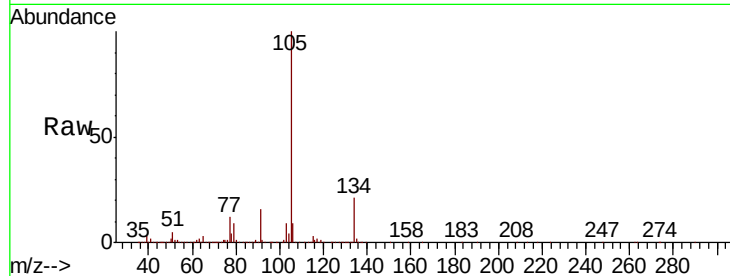
#85
 sec-Butylbenzene
 Concen: 17.926 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.7	31.9

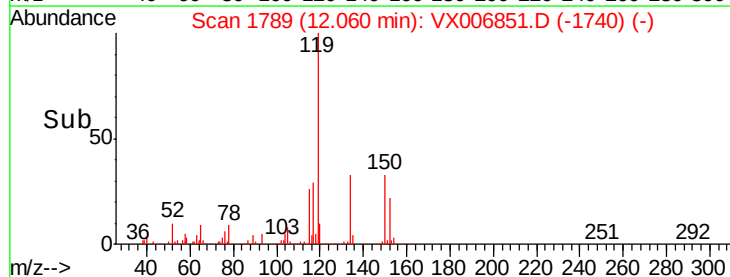
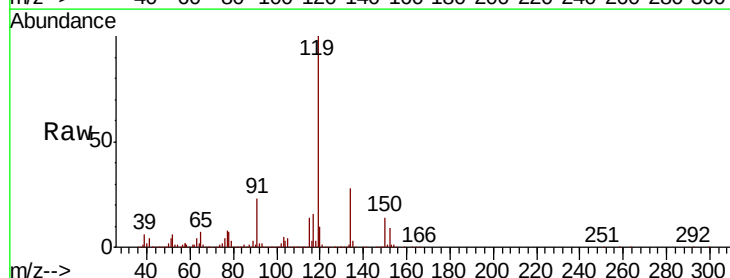
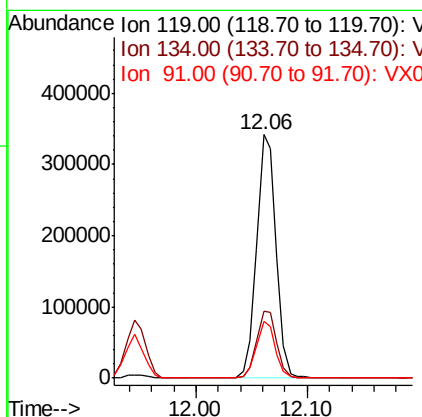
Manual Integrations
 APPROVED

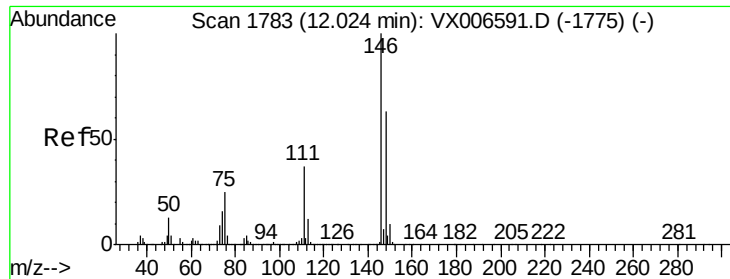
MMDadoda
 1/2/2019 10:46:39 AM



#86
 p-Isopropyltoluene
 Concen: 18.176 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.4	14.0	41.9
91	22.6	11.3	33.9





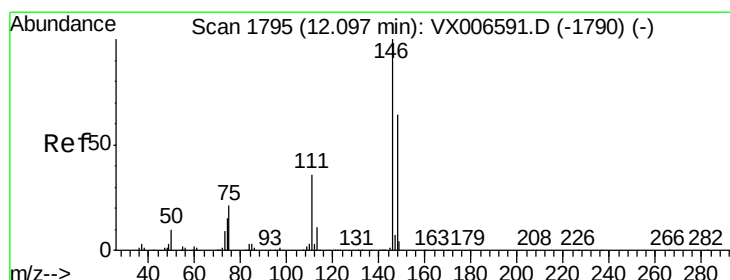
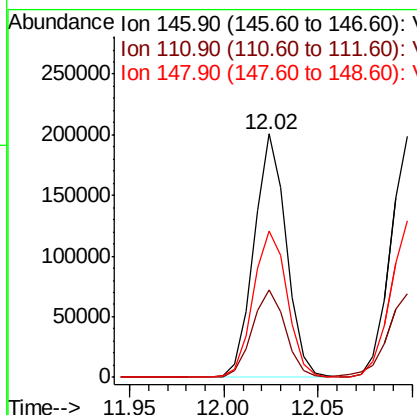
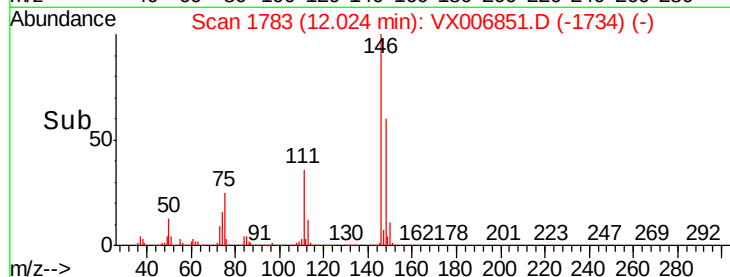
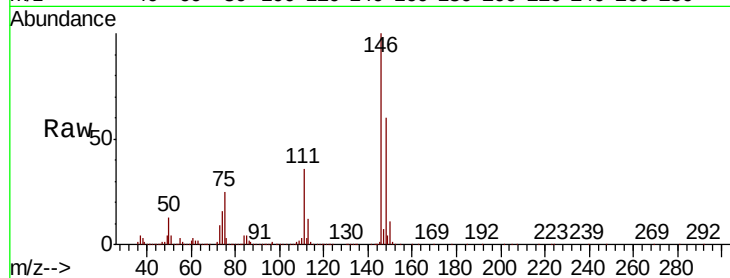
#87
 1,3-Dichlorobenzene
 Concen: 18.946 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1228WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	63.7	31.8	95.3

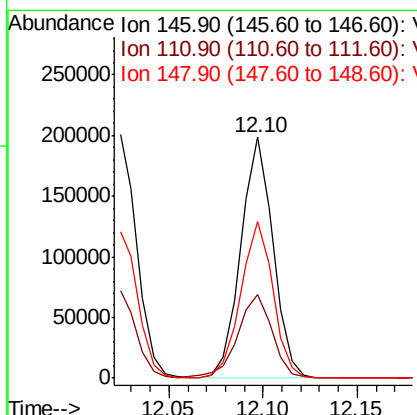
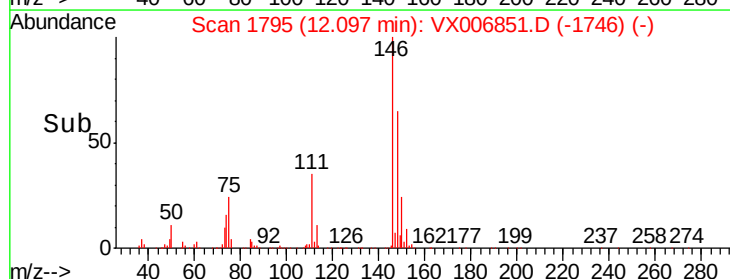
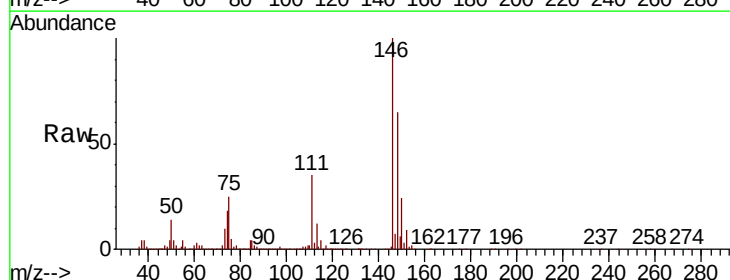
Manual Integrations
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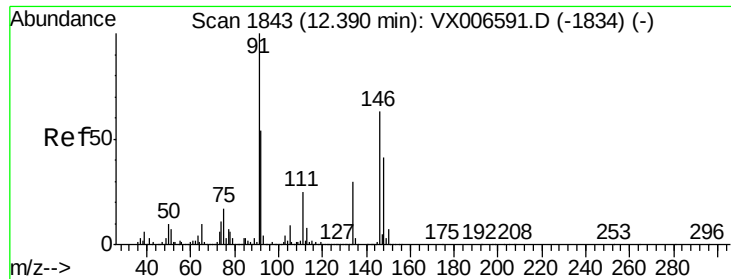
MMDadoda
 1/2/2019 10:46:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.341 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	65.1	31.9	95.9





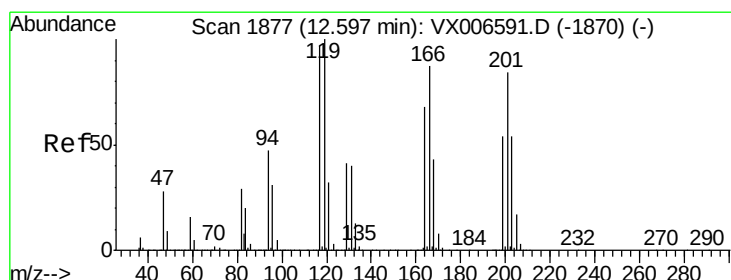
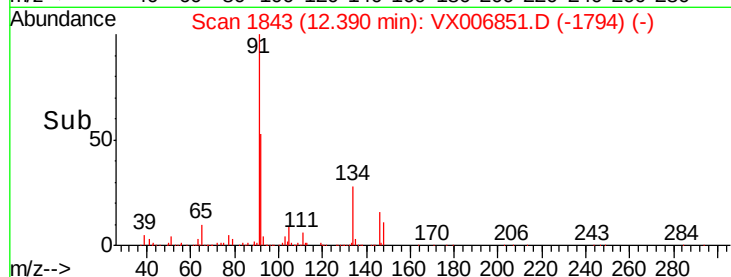
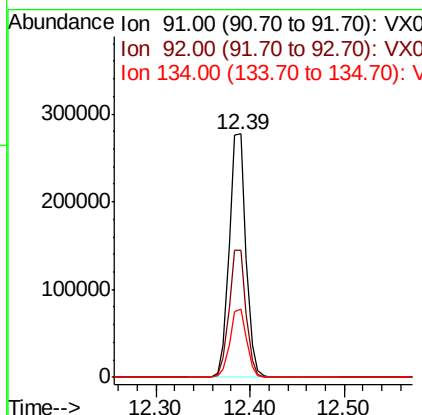
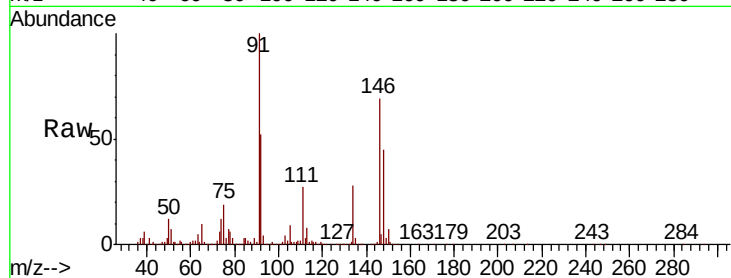
#89
n-Butylbenzene
Concen: 17.512 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Instrument :
MSVOA_X
ClientSampled :
VX1228WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	340474		
92	52.9	26.8	80.4	
134	28.1	14.4	43.2	

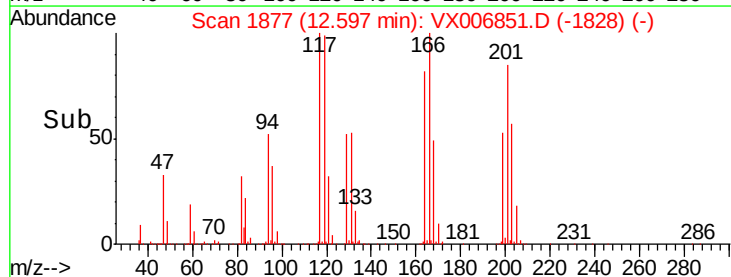
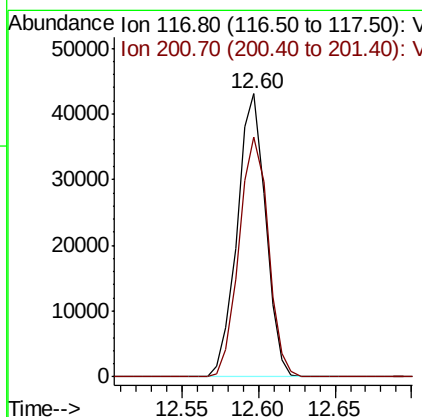
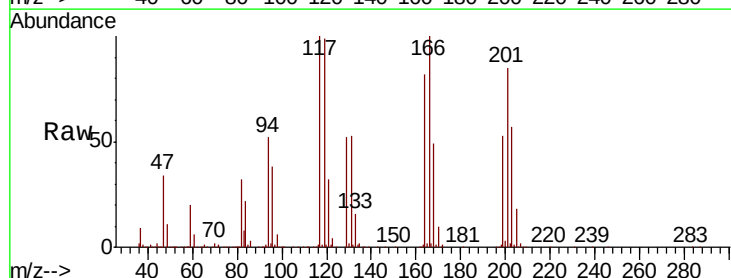
Manual Integrations
APPROVED

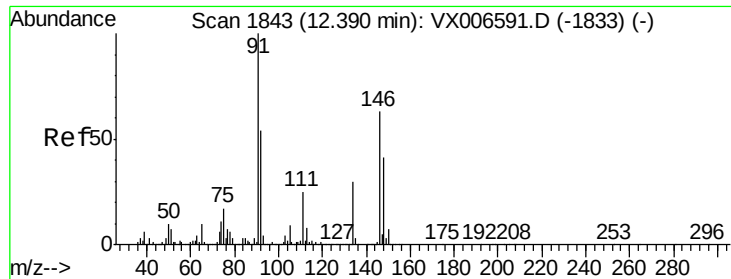
MMDadoda
1/2/2019 10:46:39 AM



#90
Hexachloroethane
Concen: 17.807 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006851.D
Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	55550		
201	87.3	42.9	128.7	





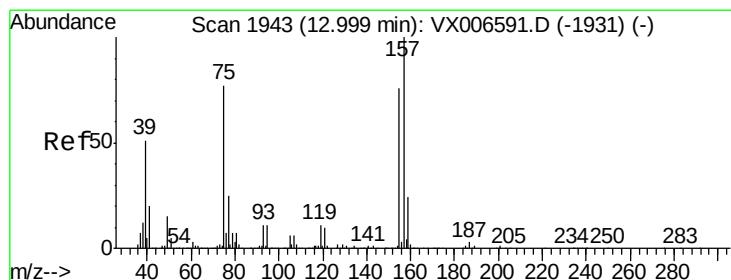
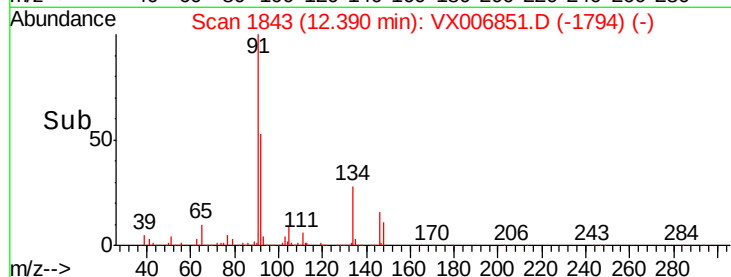
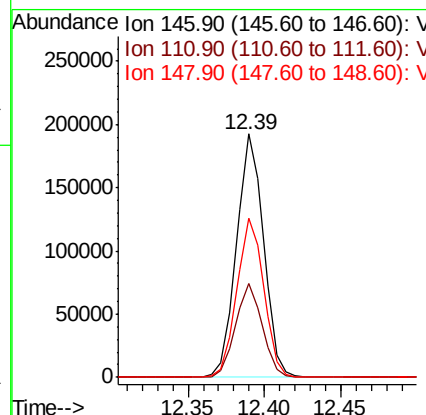
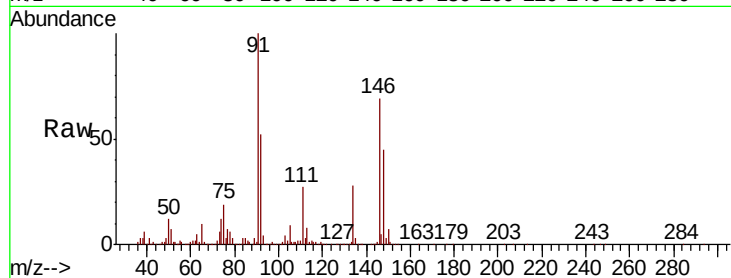
#91
 1,2-Dichlorobenzene
 Concen: 18.799 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1228WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.2
148	65.0	32.3	96.9

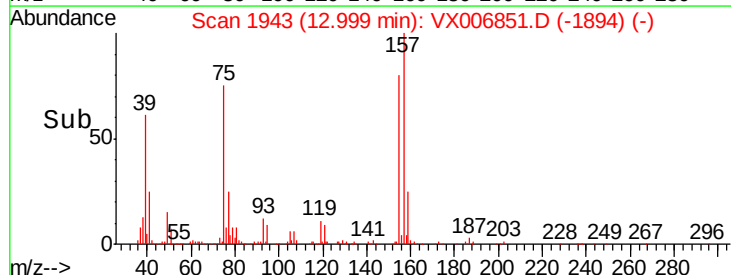
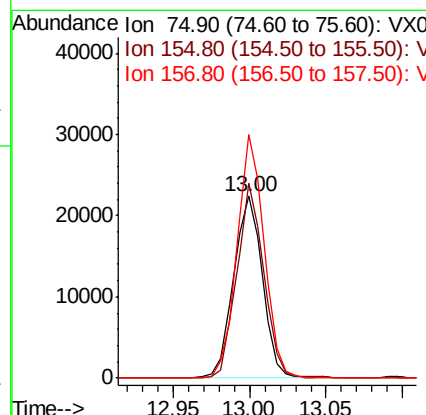
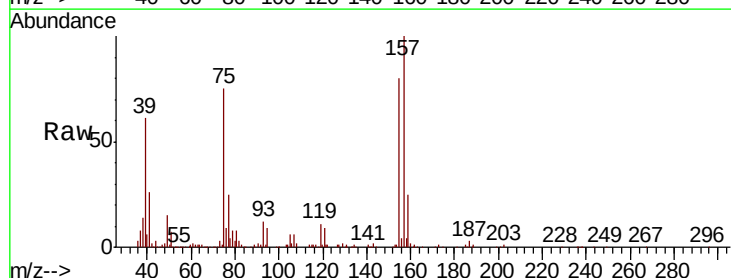
Manual Integrations
 APPROVED

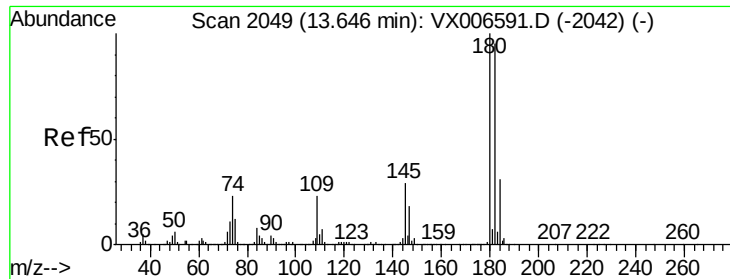
MMDadoda
 1/2/2019 10:46:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.374 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	50.6	151.8
157	126.2	64.6	193.8





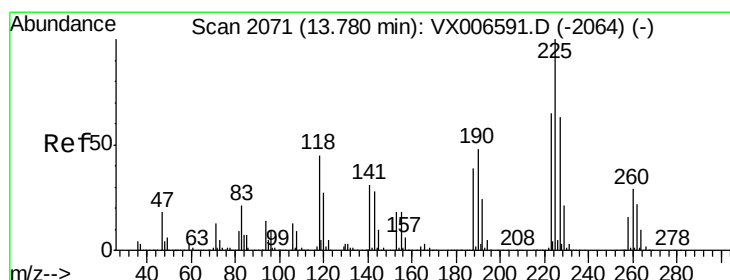
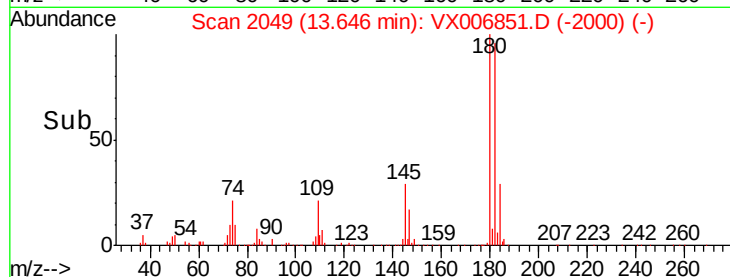
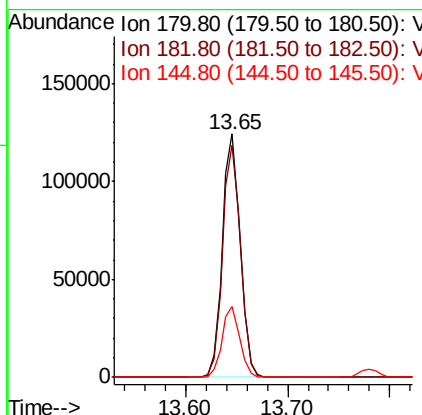
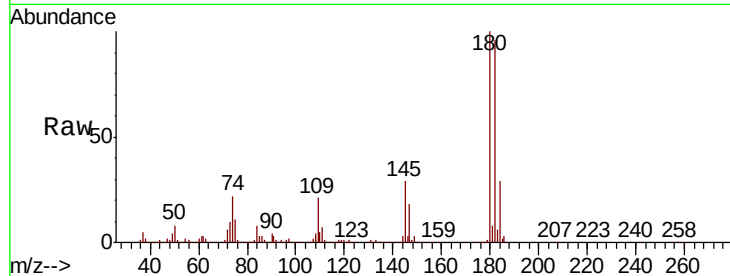
#93
 1,2,4-Trichlorobenzene
 Concen: 17.524 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX1228WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151498		
182	96.2	47.3	142.0	
145	29.0	14.8	44.3	

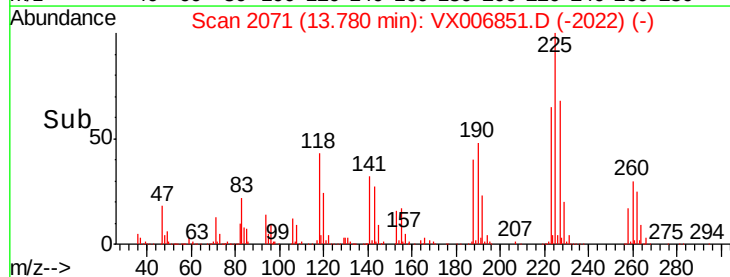
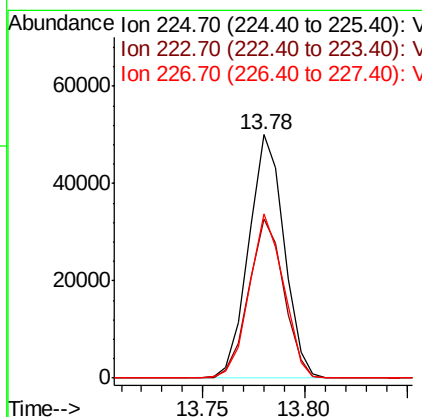
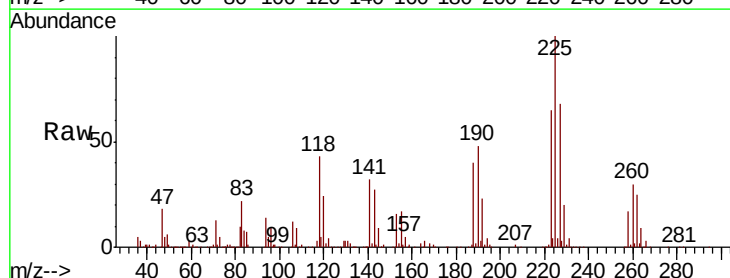
Manual Integrations
 APPROVED

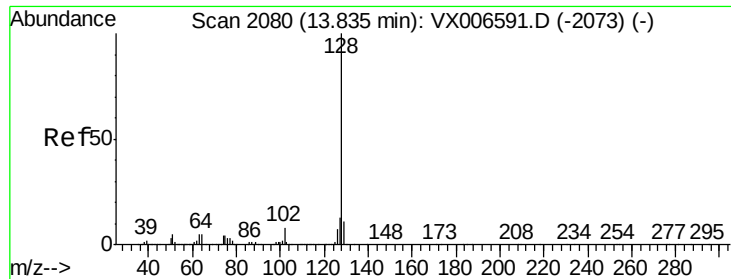
MMDadoda
 1/2/2019 10:46:39 AM



#94
 Hexachlorobutadiene
 Concen: 14.850 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006851.D
 Acq: 28 Dec 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60512		
223	65.1	32.1	96.3	
227	65.4	32.3	96.8	





#95

Naphthalene

Concen: 17.243 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Instrument :

MSVOA_X

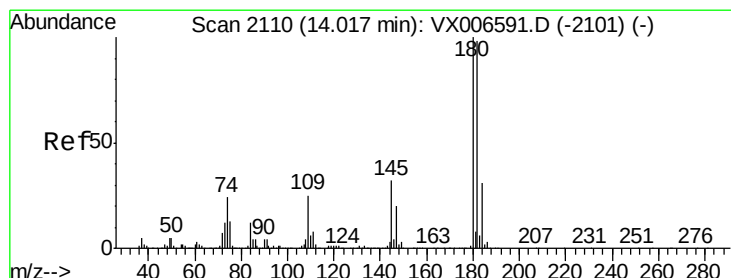
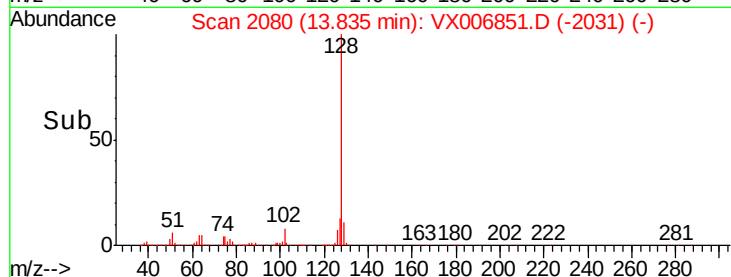
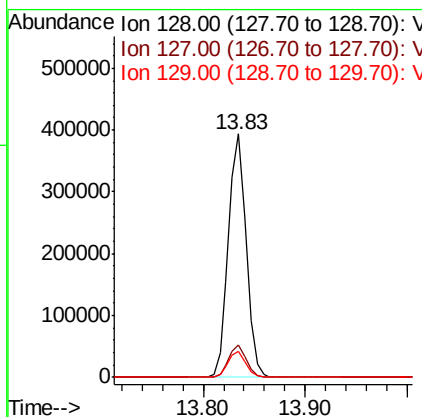
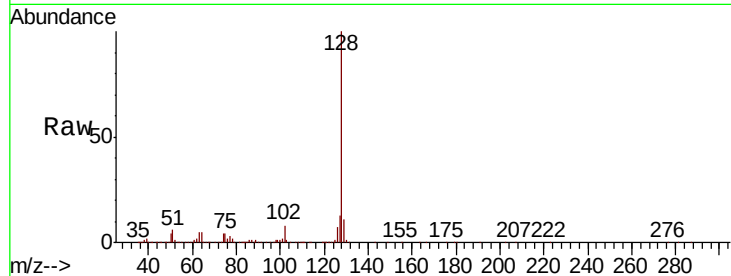
ClientSampled :

VX1228WBS01

Tot Ion:	128	Resp:	475785
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/2/2019 10:46:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.719 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006851.D

Acq: 28 Dec 2018 10:47

Tgt Ion:	180	Resp:	149230
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.5	145.5
145	30.8	16.0	47.9

