

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122618\
 Data File : VX006826.D
 Acq On : 26 Dec 2018 18:42
 Operator : JC/MD
 Sample : VX1226WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/27/2018 9:40:32 AM

Quant Time: Dec 27 04:44:48 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	5.66	168	587110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	881066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	770250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	372309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	307589	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	5.50	113	274580	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	8.71	98	996904	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	11.13	95	356314	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	94838	17.657	ug/l	97
3) Chloromethane	1.33	50	103637	17.910	ug/l	96
4) Vinyl Chloride	1.41	62	110549	18.292	ug/l	96
5) Bromomethane	1.64	94	73148	11.494	ug/l	96
6) Chloroethane	1.72	64	76545	18.292	ug/l	98
7) Trichlorofluoromethane	1.93	101	171908	18.245	ug/l	96
8) Diethyl Ether	2.19	74	72527	19.380	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	99633	18.009	ug/l	98
10) Methyl Iodide	2.51	142	80578	10.175	ug/l	98
11) Tert butyl alcohol	3.07	59	137506	97.373	ug/l	98
12) 1,1-Dichloroethene	2.38	96	95146	18.138	ug/l	98
13) Acrolein	2.29	56	83737	87.899	ug/l	96
14) Allyl chloride	2.73	41	164989	18.686	ug/l	98
15) Acrylonitrile	3.15	53	313521	99.993	ug/l	99
16) Acetone	2.45	43	259407	89.232	ug/l	99
17) Carbon Disulfide	2.57	76	197010	14.192	ug/l	97
18) Methyl Acetate	2.78	43	191654	22.420	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	363376	20.871	ug/l	98
20) Methylene Chloride	2.86	84	116226	19.334	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	102591	17.651	ug/l	96
22) Diisopropyl ether	3.87	45	333224	20.629	ug/l	97
23) Vinyl Acetate	3.82	43	1300911	98.457	ug/l	100
24) 1,1-Dichloroethane	3.70	63	178757	18.538	ug/l	99
25) 2-Butanone	4.70	43	392179	95.906	ug/l	100
26) 2,2-Dichloropropane	4.58	77	118477	15.906	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	122010	19.026	ug/l	98
28) Bromochloromethane	5.02	49	90120	21.099	ug/l	98
29) Tetrahydrofuran	5.15	42	262974	97.641	ug/l	98
30) Chloroform	5.21	83	187741	18.801	ug/l	99
31) Cyclohexane	5.57	56	138833	15.848	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	149224	17.698	ug/l	97
36) 1,1-Dichloropropene	5.80	75	132535	18.162	ug/l	98
37) Ethyl Acetate	4.85	43	155187	20.432	ug/l	98
38) Carbon Tetrachloride	5.79	117	124241	17.519	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	142156	14.797	ug/l	97
40) Benzene	6.14	78	419938	18.932	ug/l	97
41) Methacrylonitrile	5.06	41	89612	22.223	ug/l	98
42) 1,2-Dichloroethane	6.20	62	149054	19.720	ug/l	100
43) Isopropyl Acetate	6.46	43	246072	21.293	ug/l	98
44) Trichloroethene	7.21	130	118330	17.625	ug/l	99
45) 1,2-Dichloropropane	7.51	63	106436	19.718	ug/l	100
46) Dibromomethane	7.66	93	74491	18.762	ug/l	97
47) Bromodichloromethane	7.90	83	119142	18.075	ug/l	97
48) Methyl methacrylate	7.77	41	123616	21.035	ug/l	97
49) 1,4-Dioxane	7.75	88	53223	332.878	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	786371	106.947	ug/l	99
52) Toluene	8.79	92	261028	18.215	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	127054	17.972	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	146655	18.906	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	115473	19.687	ug/l	98
56) Ethyl methacrylate	9.18	69	174749	21.079	ug/l	97
57) 1,3-Dichloropropane	9.37	76	186327	19.744	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	450449	102.217	ug/l	99
59) 2-Hexanone	9.49	43	590495	104.961	ug/l	100
60) Dibromochloromethane	9.59	129	98439	17.625	ug/l	98
61) 1,2-Dibromoethane	9.67	107	118492	19.004	ug/l	98
64) Tetrachloroethene	9.34	164	107777	17.671	ug/l	95
65) Chlorobenzene	10.14	112	309641	19.002	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	98852	19.443	ug/l	97
67) Ethyl Benzene	10.25	91	491029	18.441	ug/l	98
68) m/p-Xylenes	10.36	106	383405	36.490	ug/l	99
69) o-Xylene	10.69	106	191783	18.484	ug/l	98
70) Styrene	10.71	104	313622	19.106	ug/l	99
71) Bromoform	10.85	173	72299	18.819	ug/l	96
73) Isopropylbenzene	11.02	105	481955	18.922	ug/l	99
74) N-amyl acetate	10.90	43	219849	24.114	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	170695	22.534	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	157082m	22.703	ug/l	
77) Bromobenzene	11.26	156	137971	20.036	ug/l	99
78) n-propylbenzene	11.36	91	521220	18.583	ug/l	99
79) 2-Chlorotoluene	11.42	91	319016	18.769	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	380699	18.147	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34722	18.212	ug/l #	83
82) 4-Chlorotoluene	11.51	91	374569	19.211	ug/l	100
83) tert-Butylbenzene	11.77	119	381011	18.146	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	397364	18.008	ug/l	99
85) sec-Butylbenzene	11.94	105	453236	17.606	ug/l	99
86) p-Isopropyltoluene	12.06	119	397818	17.580	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	233147	18.786	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	235100	18.479	ug/l	99
89) n-Butylbenzene	12.39	91	335438	17.418	ug/l	99
90) Hexachloroethane	12.60	117	49516	16.354	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	236440	19.045	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29436	18.781	ug/l	97

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Instrument :
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ClientSampleId :
VX1226WBSD01

Manual Integrations
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QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	144330	16.854	ug/l	99
94) Hexachlorobutadiene	13.78	225	65373	16.196	ug/l	99
95) Naphthalene	13.83	128	435989	15.952	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	141965	16.056	ug/l	98

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

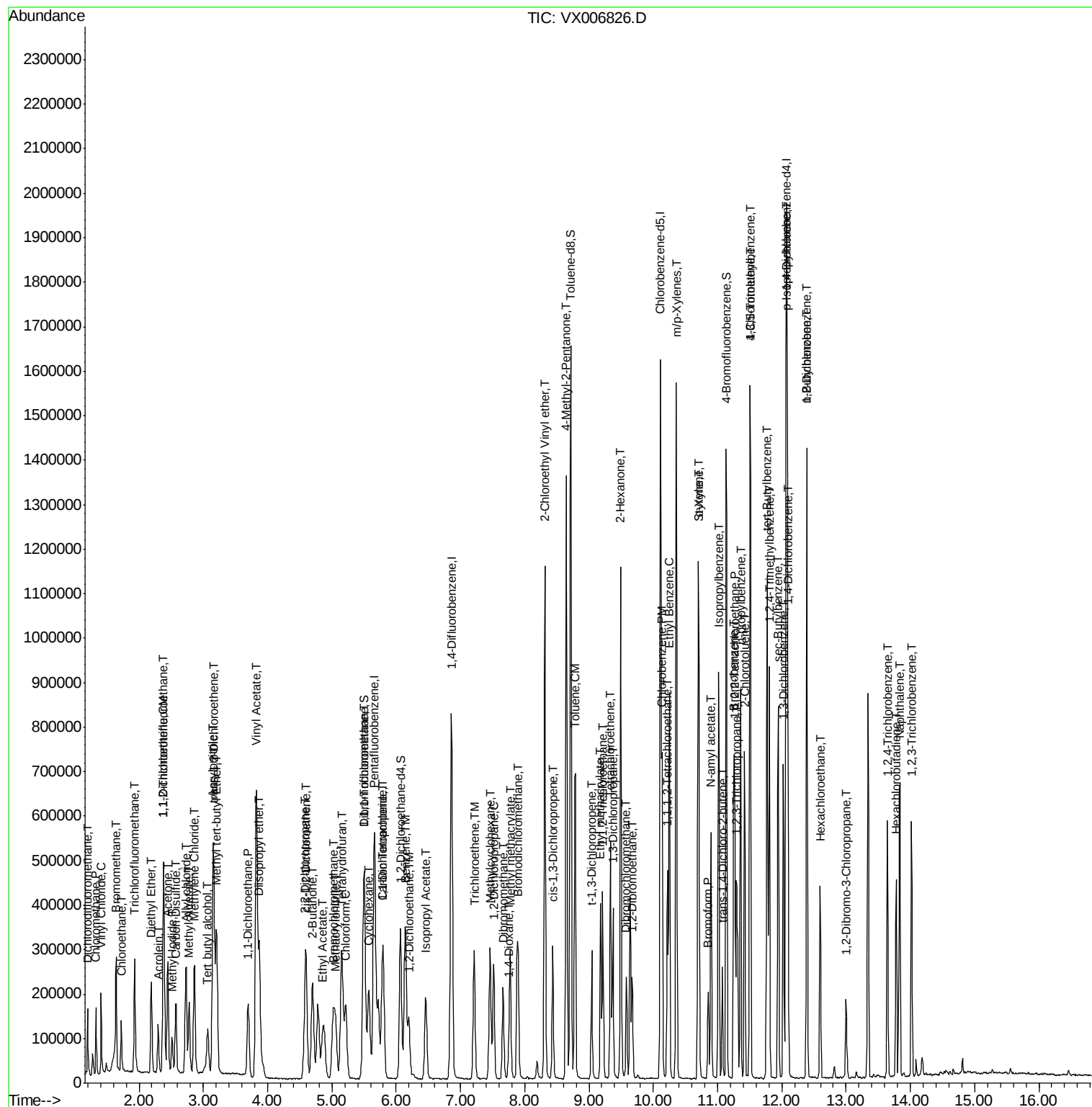
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 Data File : VX006826.D
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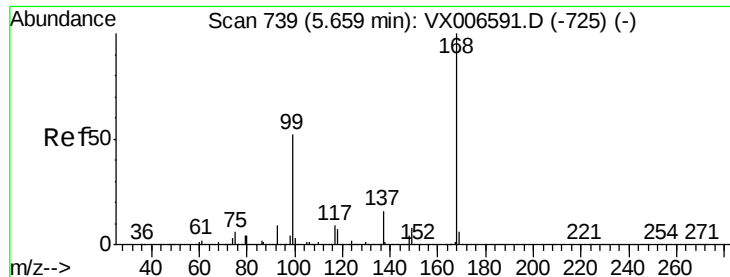
Instrument :
 MSVOA_X
 Client Sampled :
 VX1226WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion:168 Resp: 587110

Ion Ratio Lower Upper

168 100

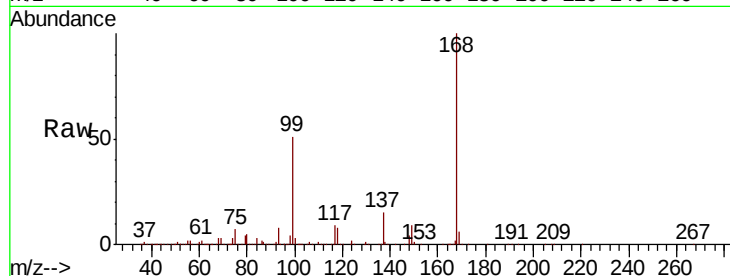
99 50.5 41.8 62.8

Manual Integrations

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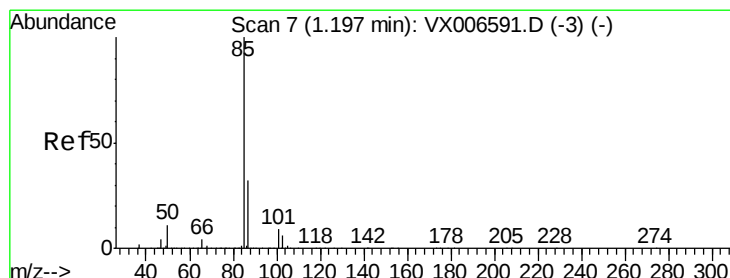
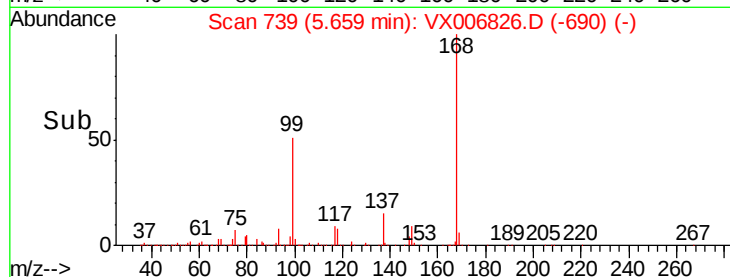
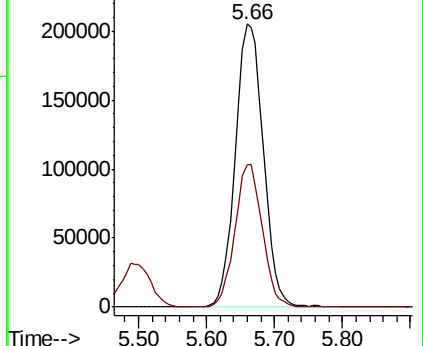
MMDadoda

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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: 17.657 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006826.D

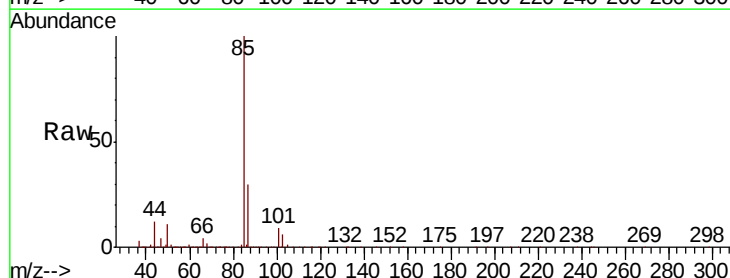
Acq: 26 Dec 2018 18:42

Tgt Ion: 85 Resp: 94838

Ion Ratio Lower Upper

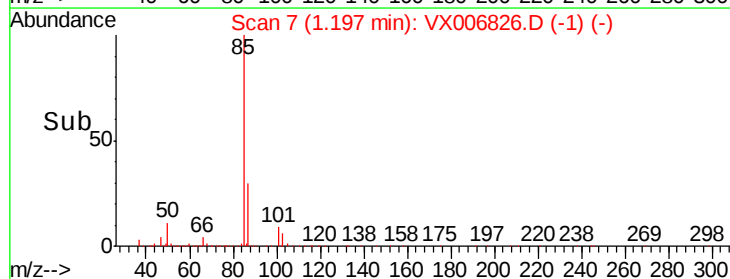
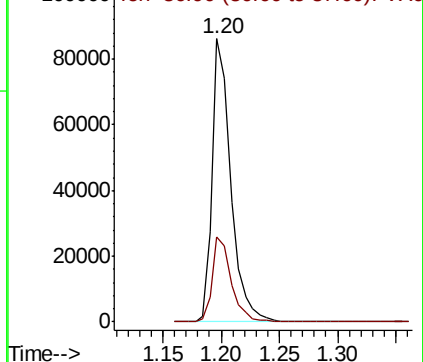
85 100

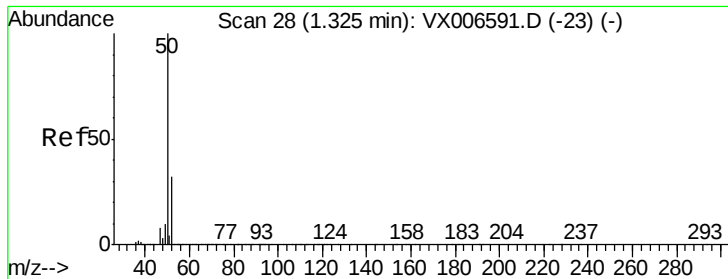
87 29.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.910 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 50 Resp: 103637

Ion Ratio Lower Upper

50 100

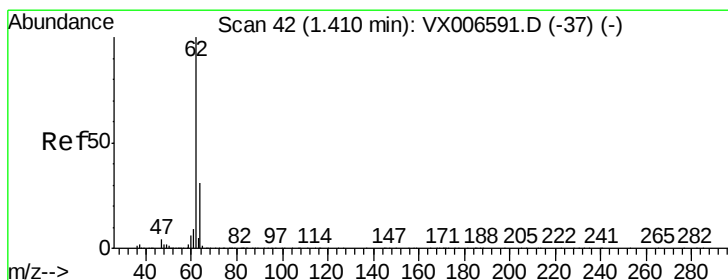
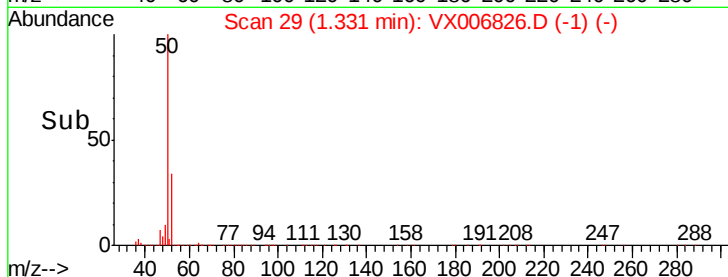
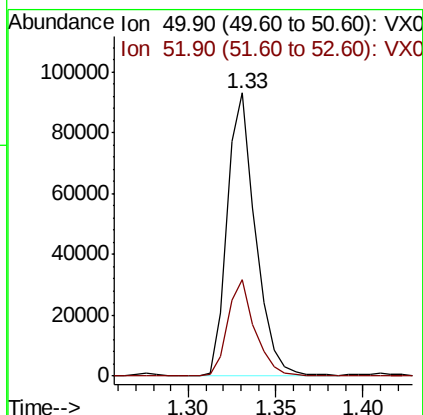
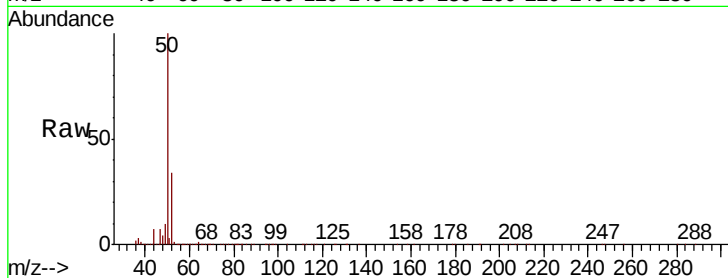
52 33.9 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.292 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006826.D

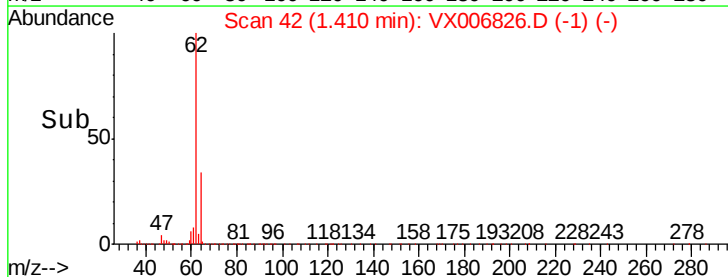
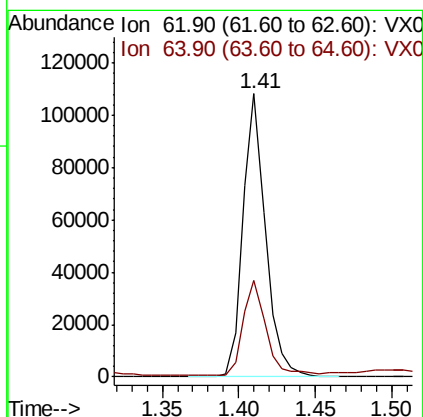
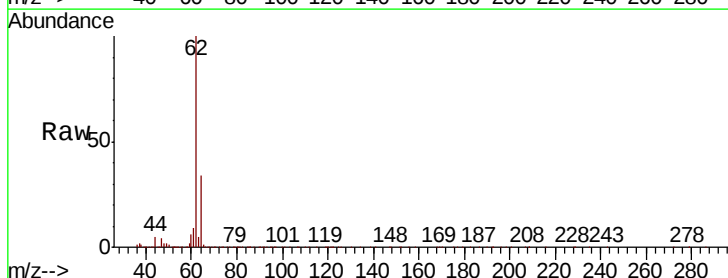
Acq: 26 Dec 2018 18:42

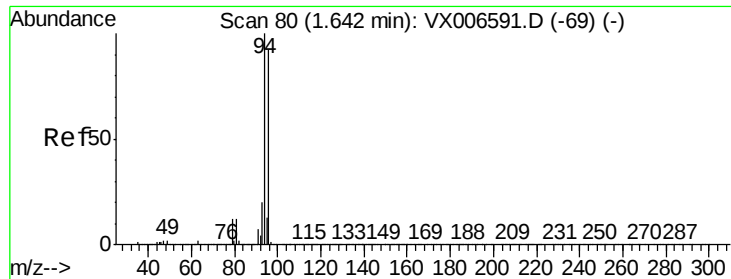
Tgt Ion: 62 Resp: 110549

Ion Ratio Lower Upper

62 100

64 33.4 25.1 37.7





#5

Bromomethane

Concen: 11.494 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 94 Resp: 73148

Ion Ratio Lower Upper

94 100

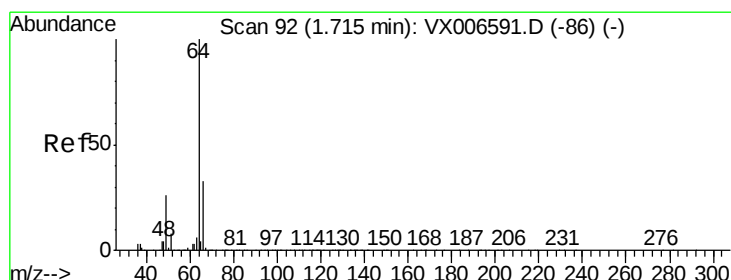
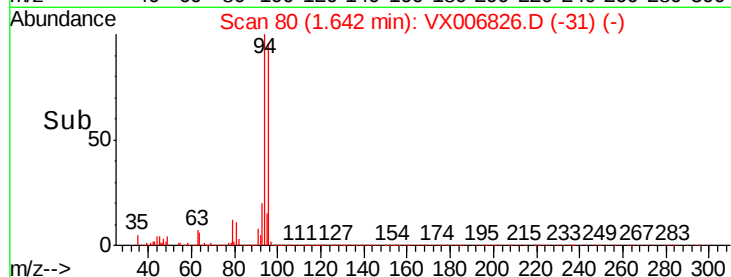
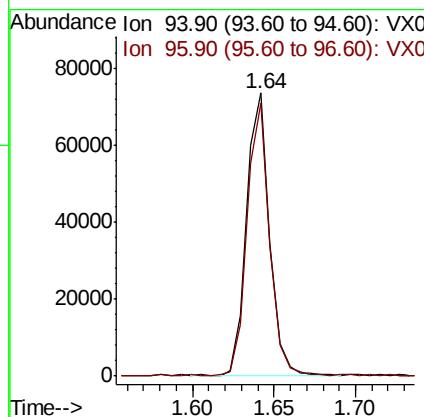
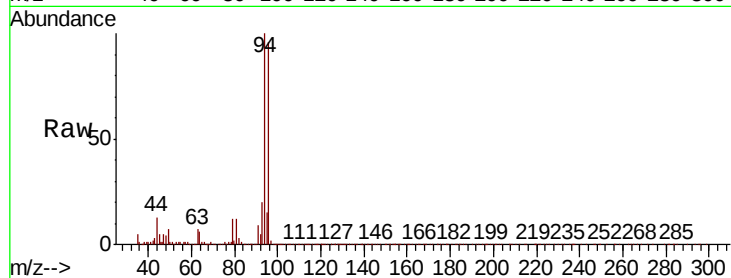
96 96.0 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 18.292 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006826.D

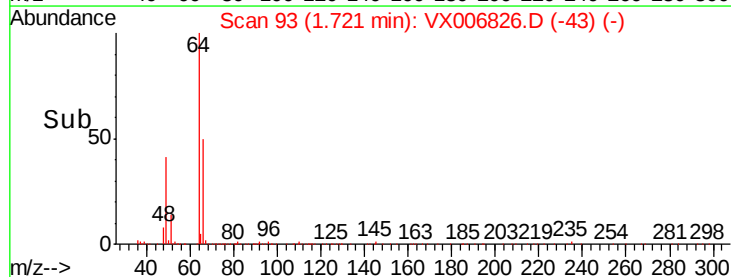
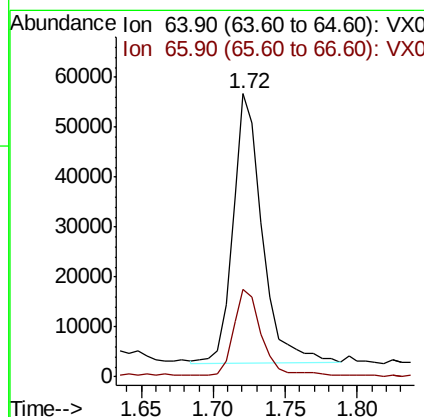
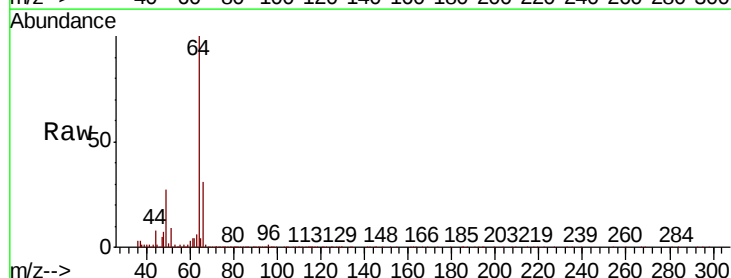
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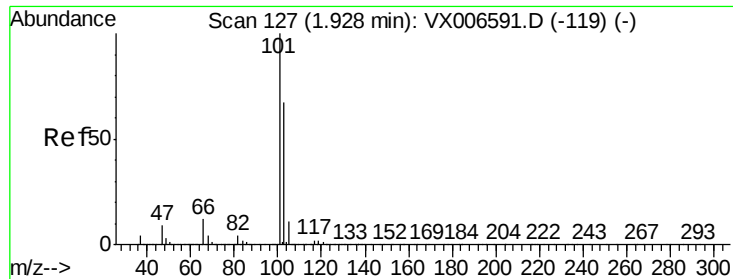
Tgt Ion: 64 Resp: 76545

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6





#7

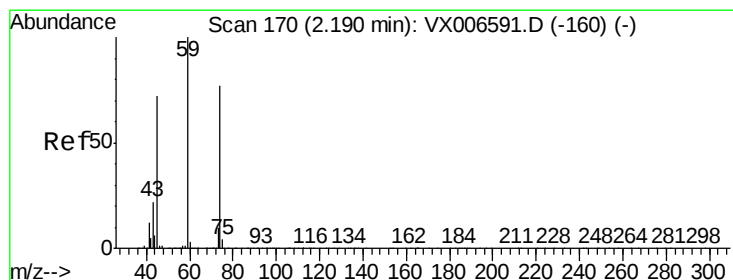
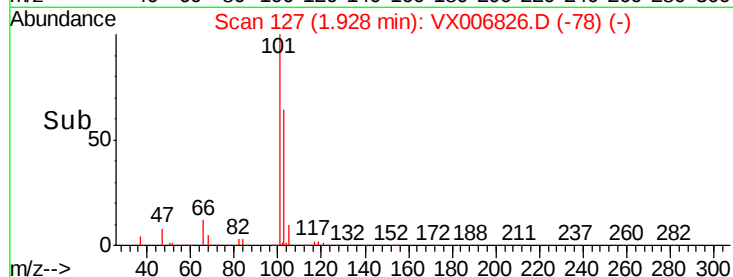
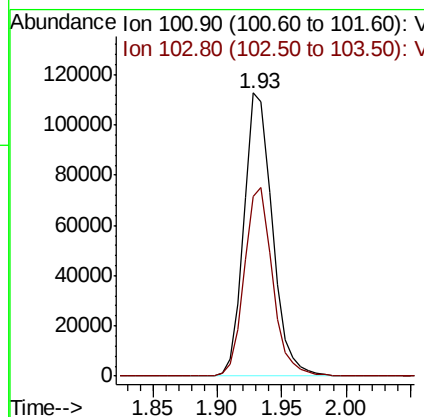
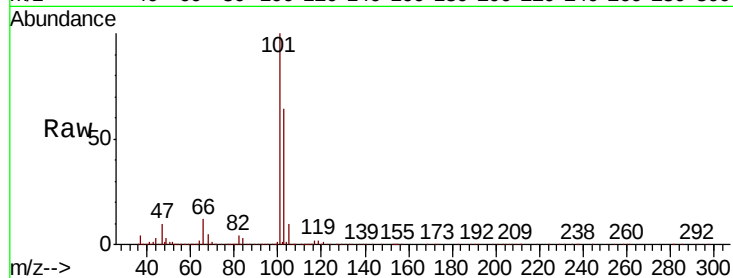
Trichlorofluoromethane
Concen: 18.245 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
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ClientSampleId :
VX1226WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	63.6	53.2	79.8	

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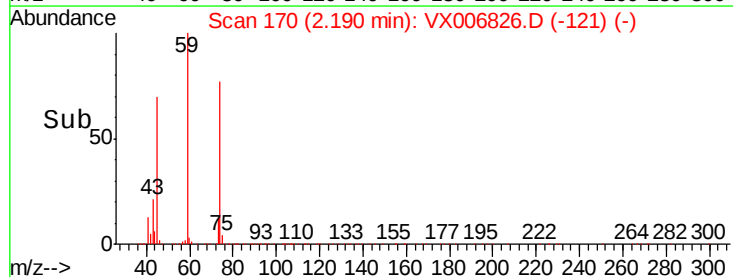
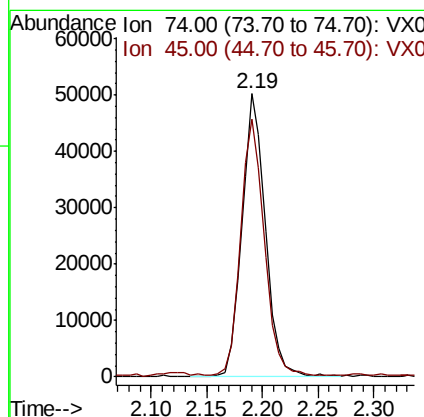
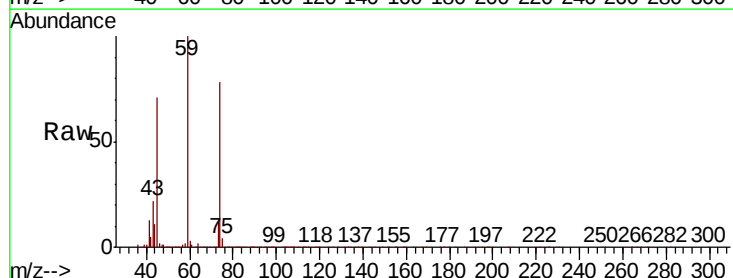
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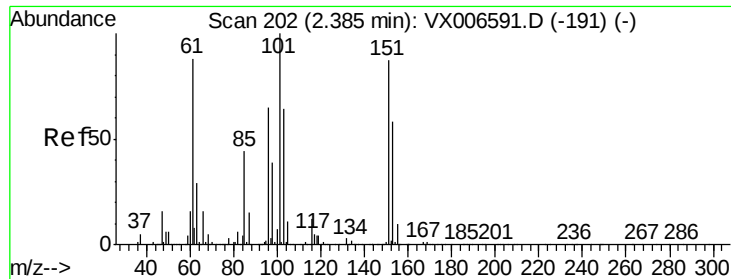


#8

Diethyl Ether
Concen: 19.380 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	91.1	46.3	138.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.009 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

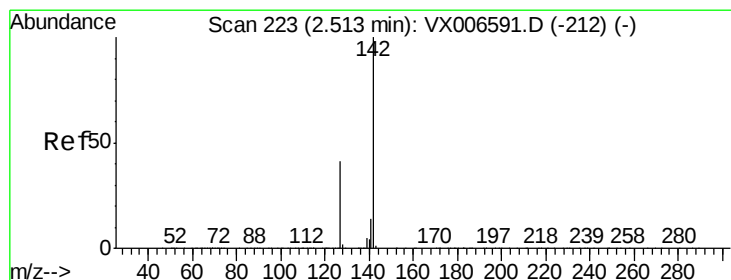
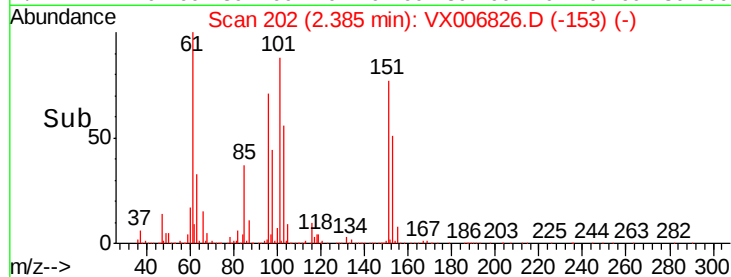
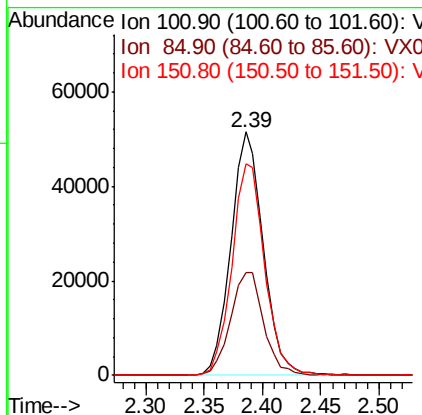
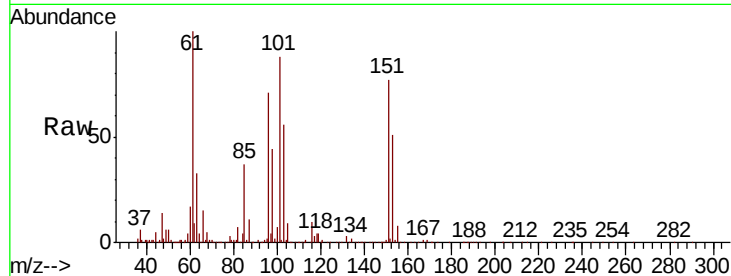
ClientSampleId :

VX1226WBSD01

Tot Ion:	101	Resp:	99633
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.1	52.7
151	88.2	68.9	103.3

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#10

Methyl Iodide

Concen: 10.175 ug/l

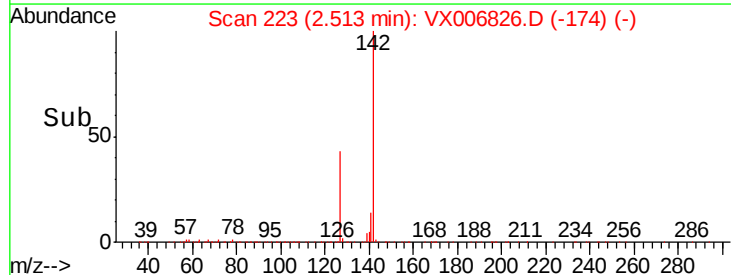
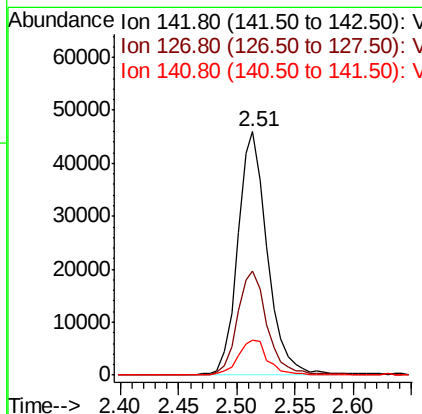
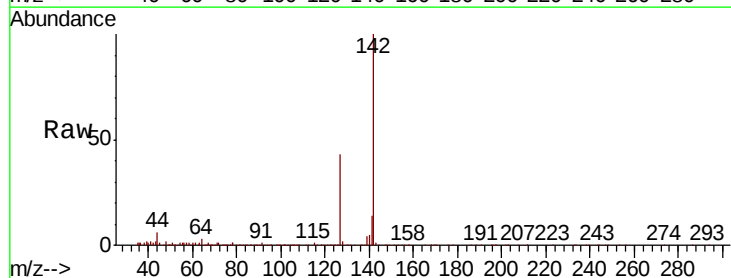
RT: 2.51 min Scan# 223

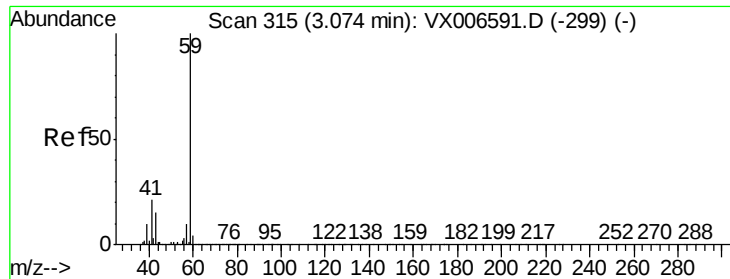
Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion:	142	Resp:	80578
Ion Ratio	Lower	Upper	
142	100		
127	43.5	33.9	50.9
141	15.0	11.4	17.0





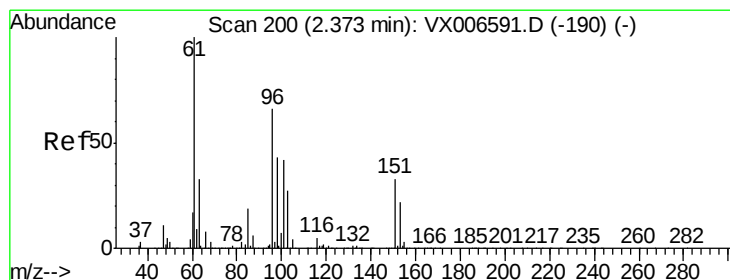
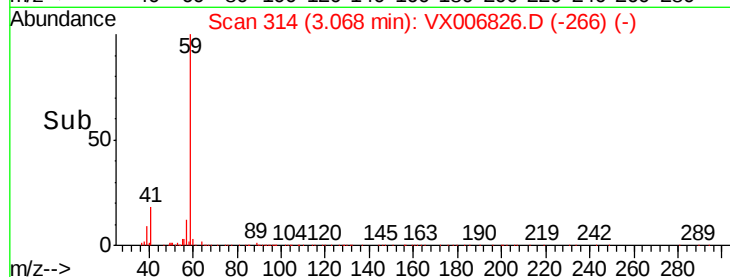
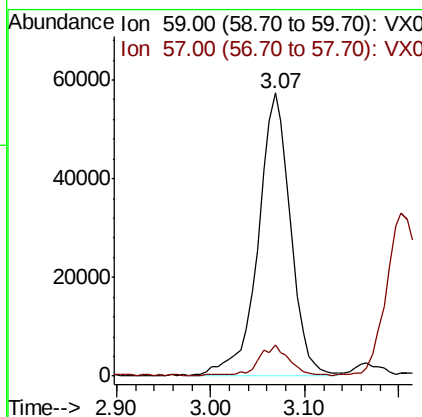
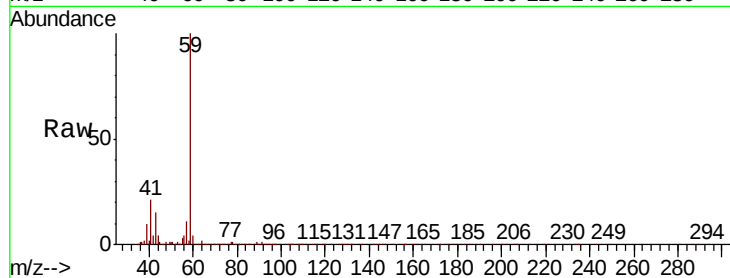
#11
Tert butyl alcohol
Concen: 97.373 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion: 59 Resp: 137506
Ion Ratio Lower Upper
59 100
57 9.7 8.5 12.7

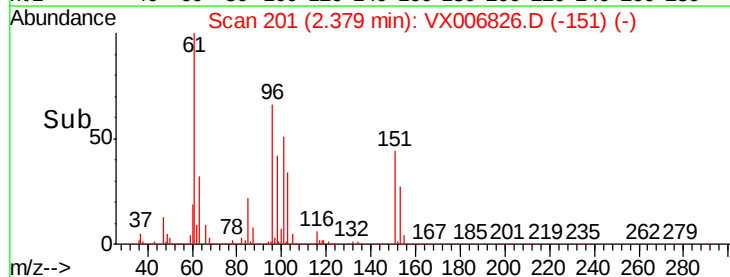
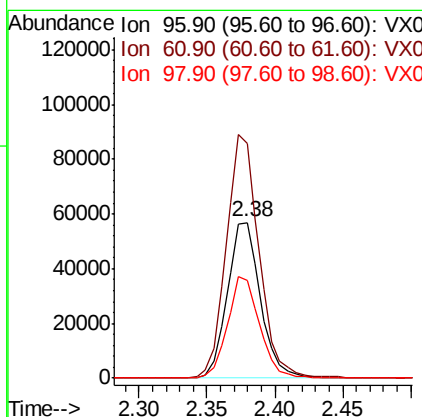
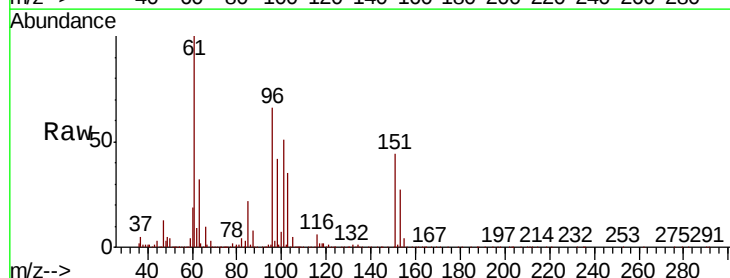
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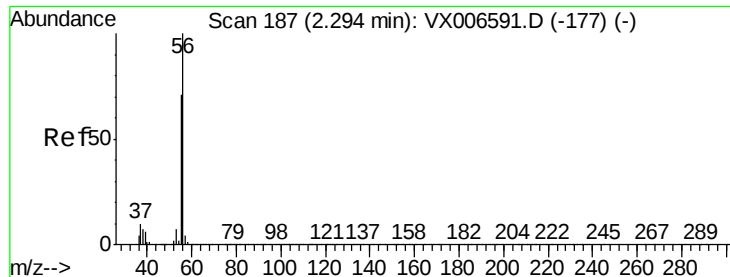
MMDadoda
12/27/2018 9:40:32 AM



#12
1,1-Dichloroethene
Concen: 18.138 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion: 96 Resp: 95146
Ion Ratio Lower Upper
96 100
61 150.5 121.4 182.2
98 62.5 51.9 77.9





#13

Acrolein

Concen: 87.899 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 56 Resp: 83737

Ion Ratio Lower Upper

56 100

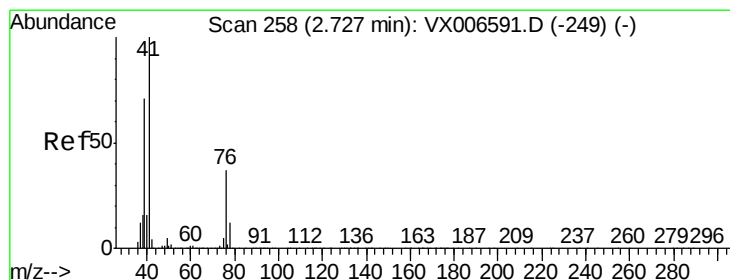
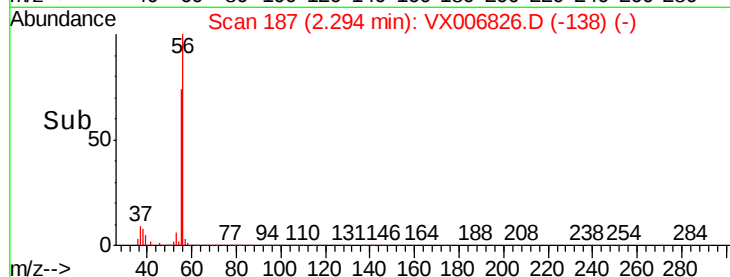
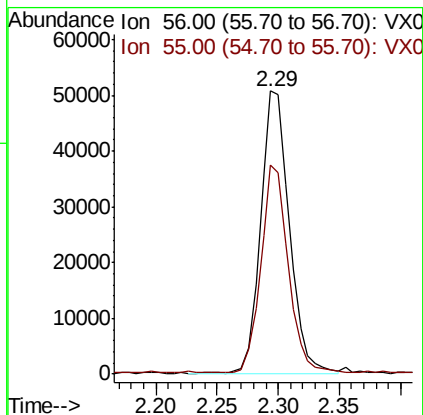
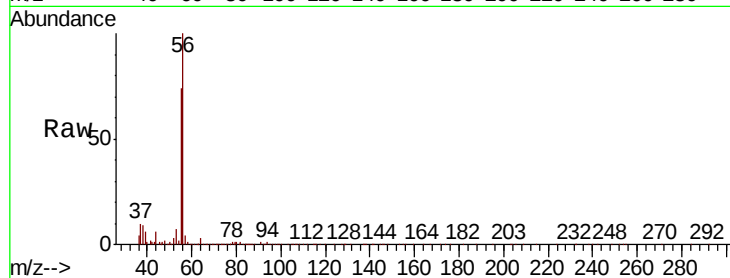
55 69.2 58.2 87.4

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#14

Allyl chloride

Concen: 18.686 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

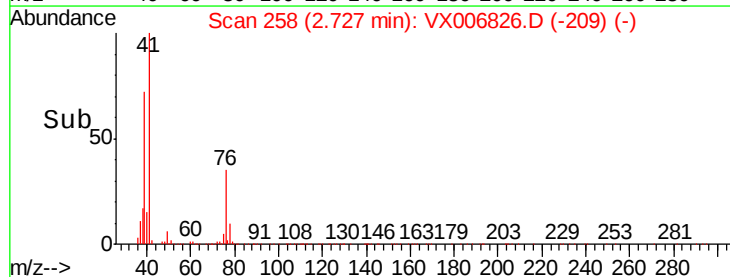
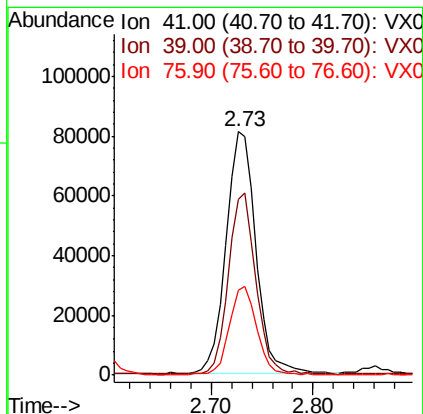
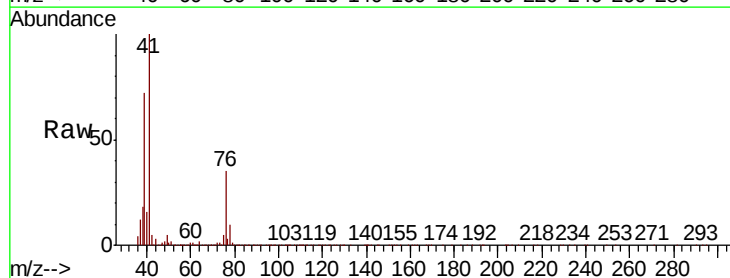
Tgt Ion: 41 Resp: 164989

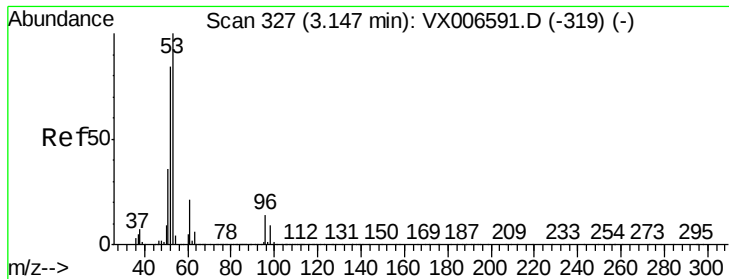
Ion Ratio Lower Upper

41 100

39 68.3 53.6 80.4

76 32.8 27.4 41.2





#15

Acrylonitrile

Concen: 99.993 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

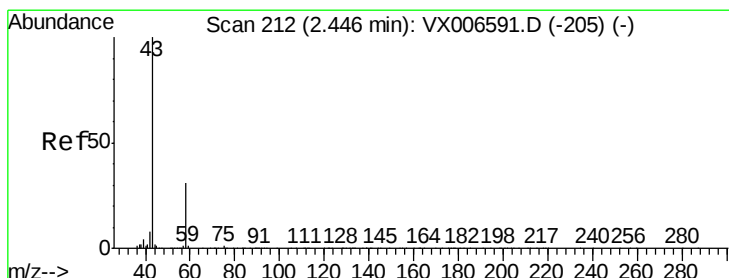
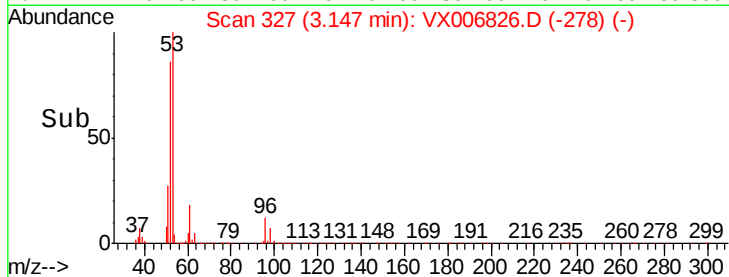
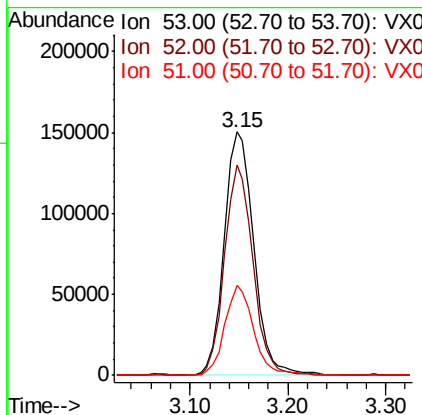
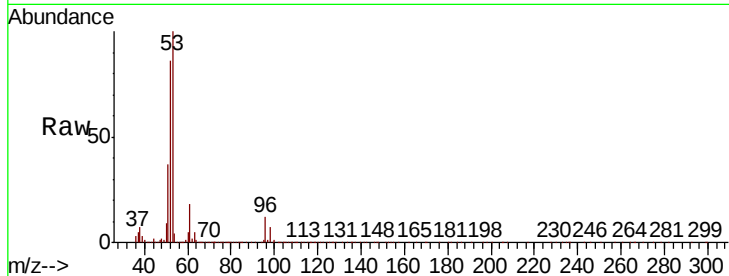
ClientSampleId :

VX1226WBSD01

Tot Ion:	53	Resp:	313521
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.0	99.0
51	35.9	28.6	42.8

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#16

Acetone

Concen: 89.232 ug/l

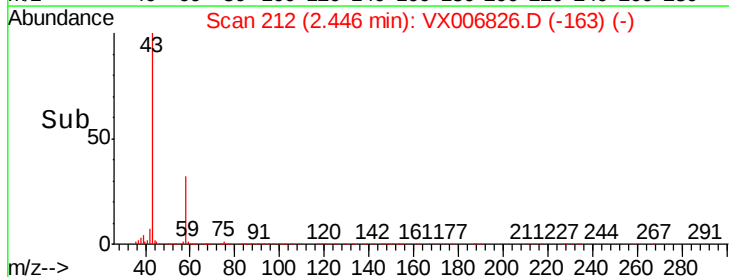
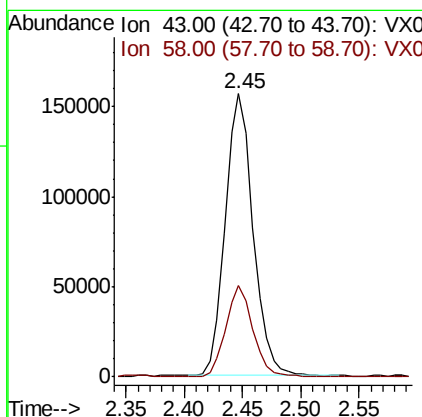
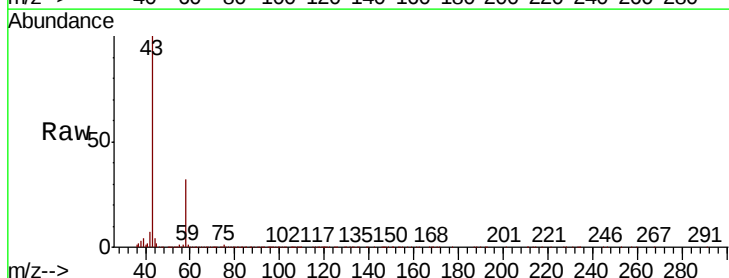
RT: 2.45 min Scan# 212

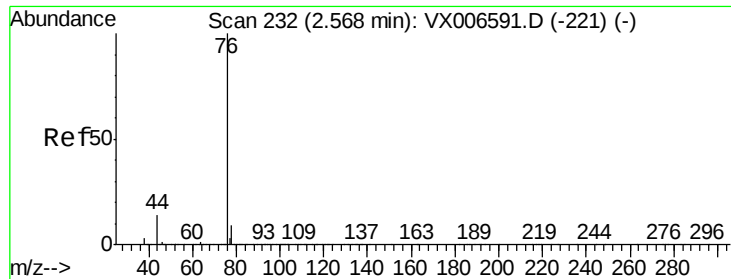
Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion:	43	Resp:	259407
Ion Ratio	Lower	Upper	
43	100		
58	32.1	25.0	37.6





#17

Carbon Disulfide

Concen: 14.192 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 76 Resp: 197010

Ion Ratio Lower Upper

76 100

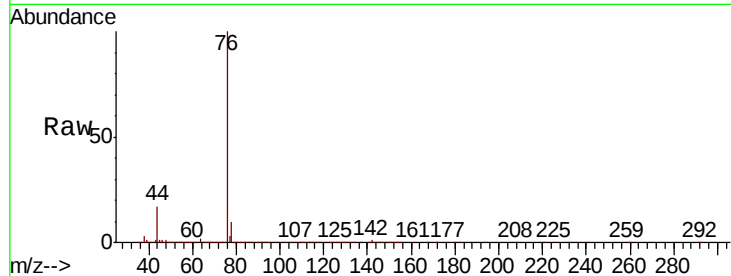
78 9.8 7.0 10.6

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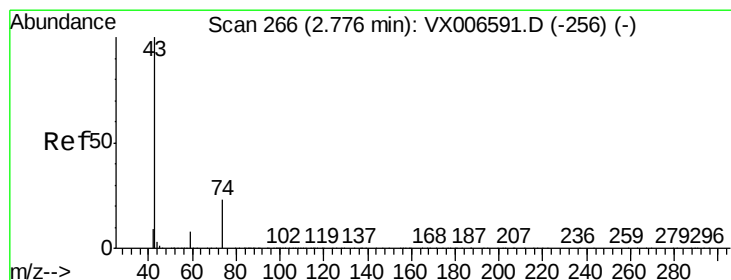
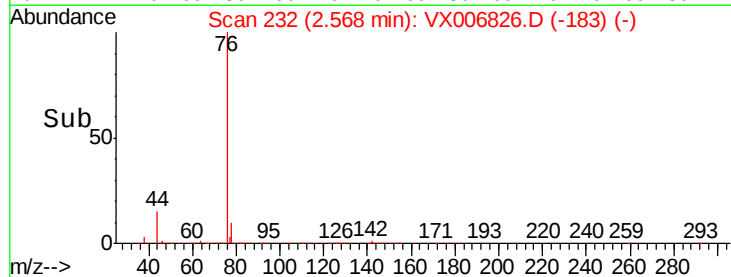
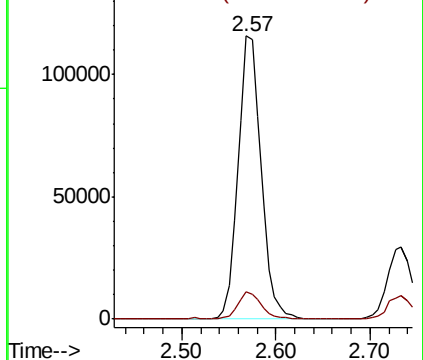
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.420 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006826.D

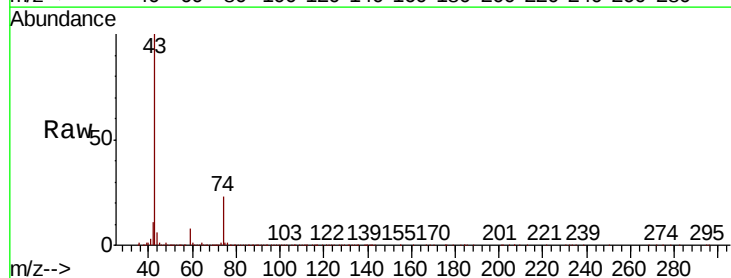
Acq: 26 Dec 2018 18:42

Tgt Ion: 43 Resp: 191654

Ion Ratio Lower Upper

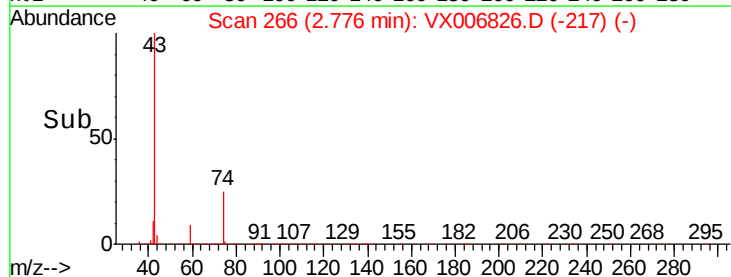
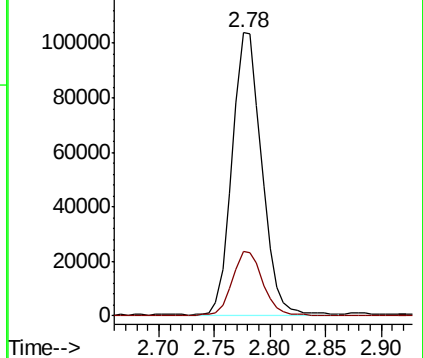
43 100

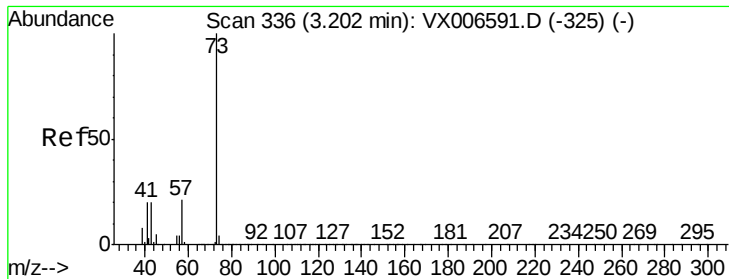
74 23.9 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





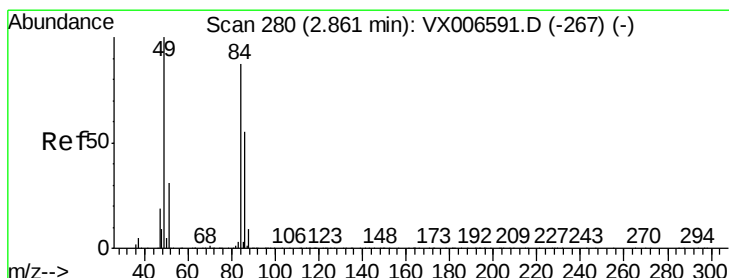
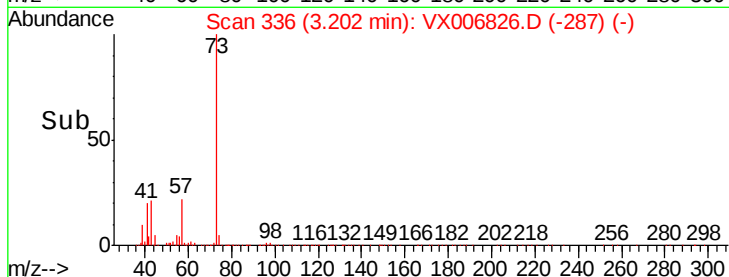
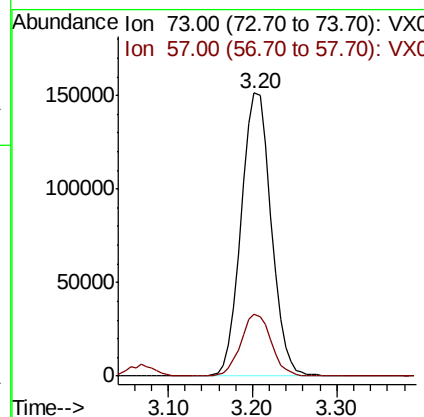
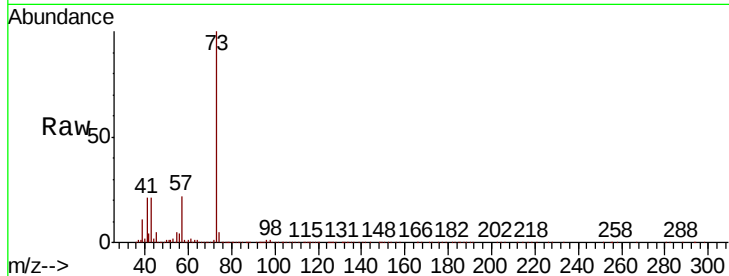
#19
Methvl tert-butvl Ether
Concen: 20.871 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	16.8	25.2

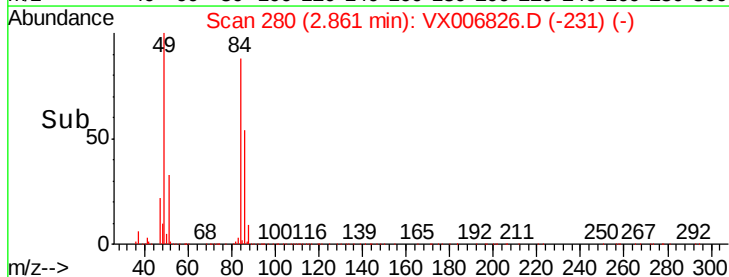
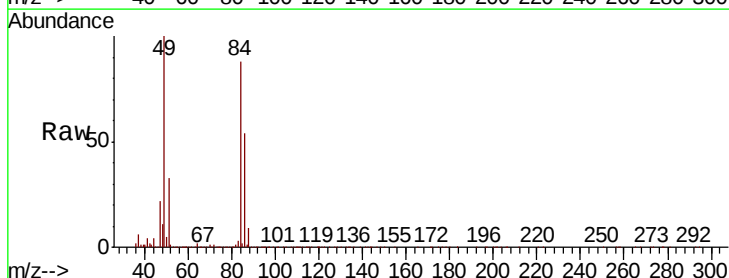
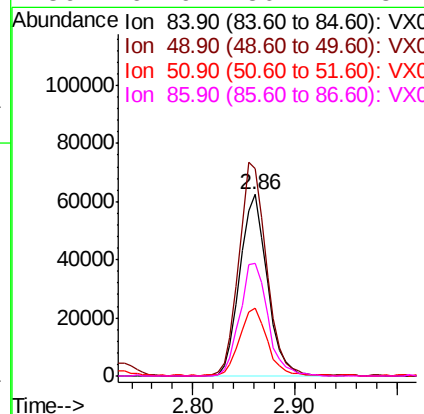
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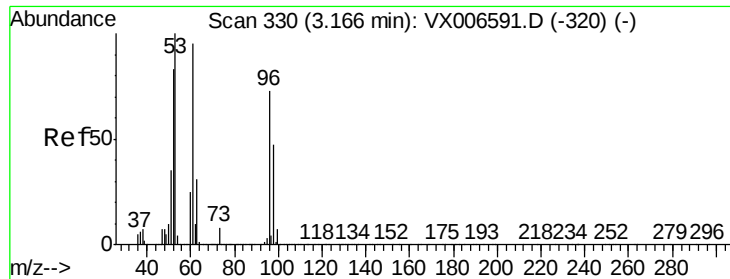
MMDadoda
12/27/2018 9:40:32 AM



#20
Methylene Chloride
Concen: 19.334 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.2	91.8	137.6
51	37.1	28.5	42.7
86	61.9	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 17.651 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

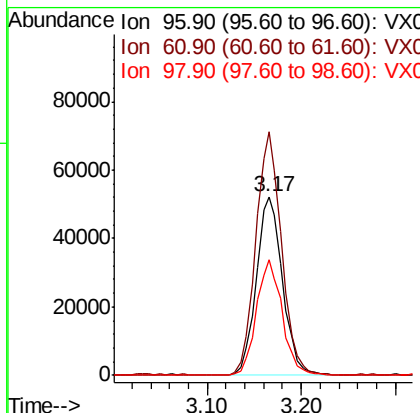
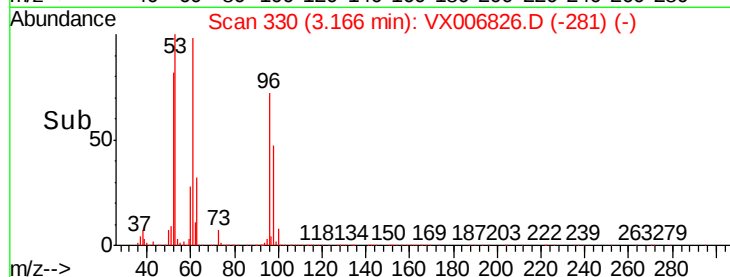
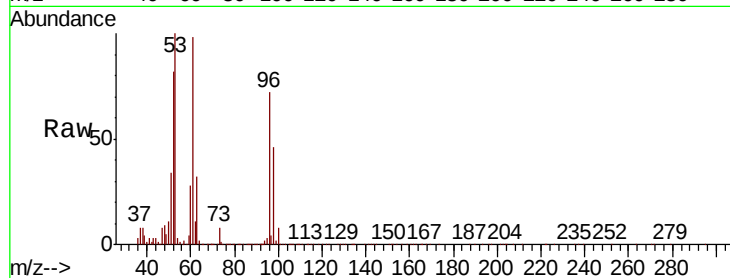
ClientSampleId :

VX1226WBSD01

Tot Ion:	96	Resp:	102591
Ion Ratio	Lower	Upper	
96	100		
61	136.2	103.7	155.5
98	64.5	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.629 ug/l

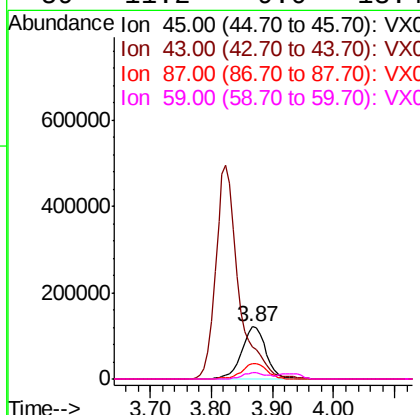
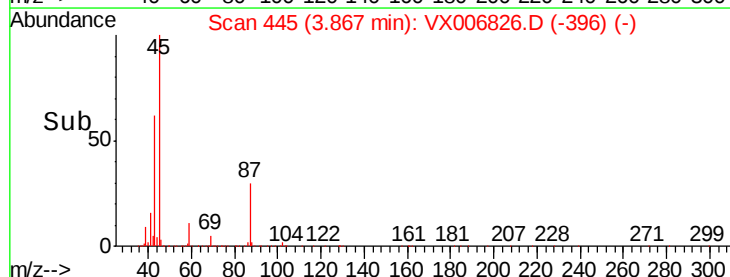
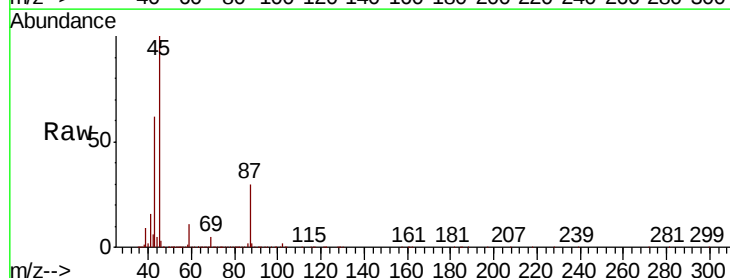
RT: 3.87 min Scan# 445

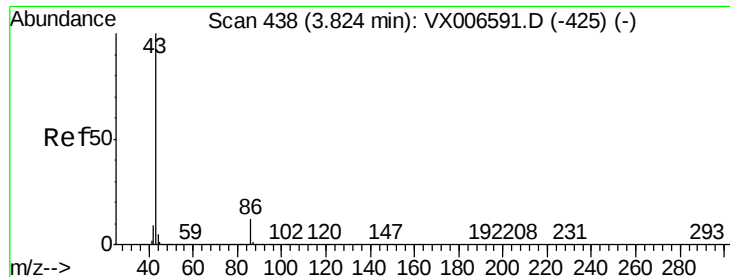
Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion:	45	Resp:	333224
Ion Ratio	Lower	Upper	
45	100		
43	61.4	51.2	76.8
87	30.3	25.8	38.6
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 98.457 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 43 Resp: 1300911

Ion Ratio Lower Upper

43 100

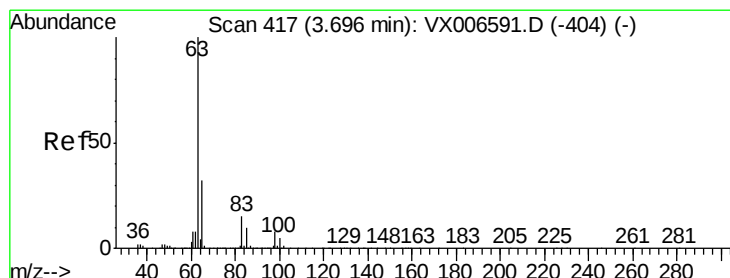
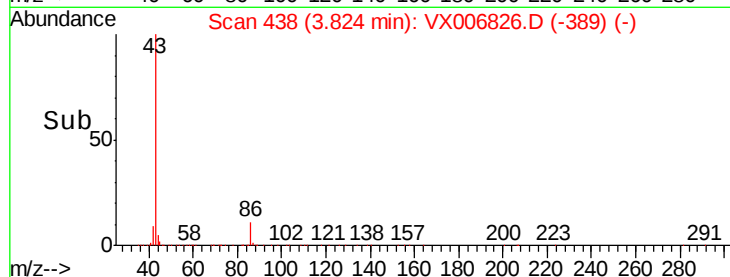
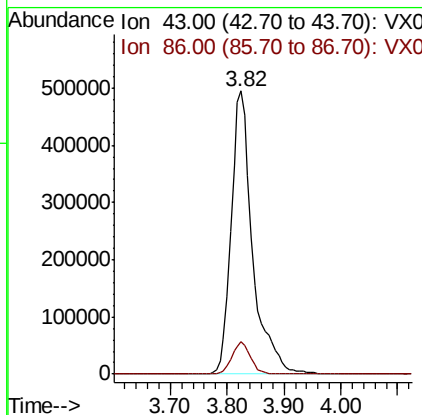
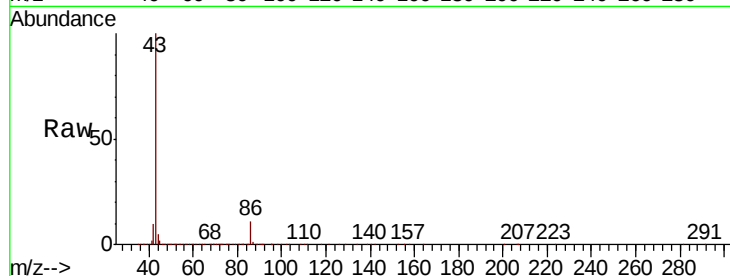
86 11.3 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 18.538 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

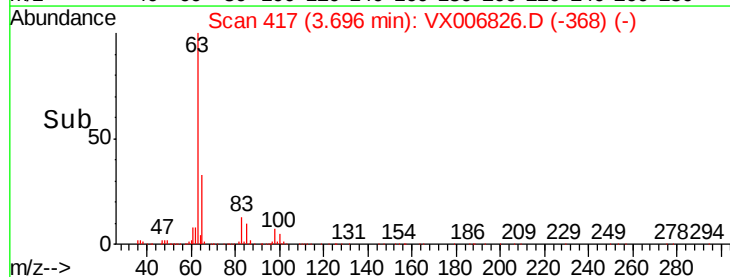
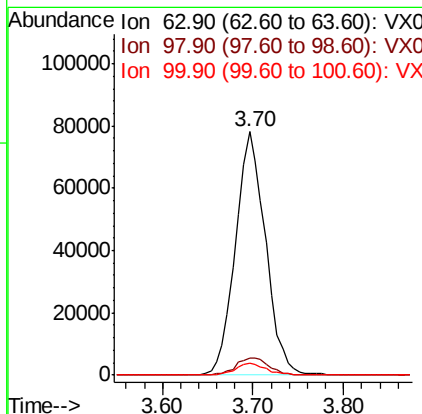
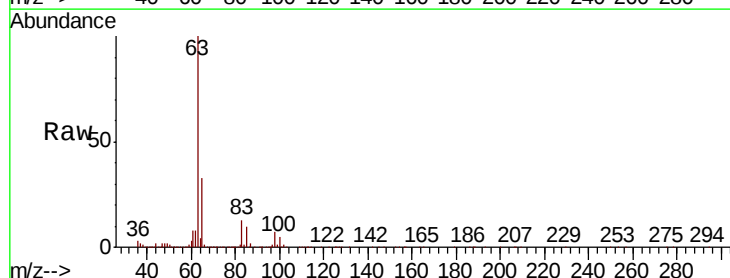
Tgt Ion: 63 Resp: 178757

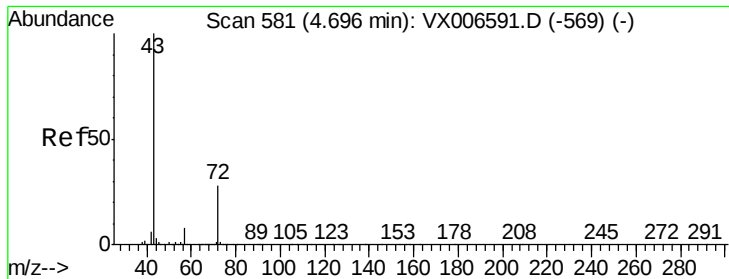
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 95.906 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 43 Resp: 392179

Ion Ratio Lower Upper

43 100

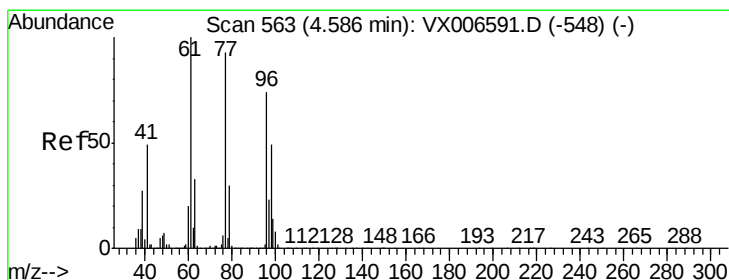
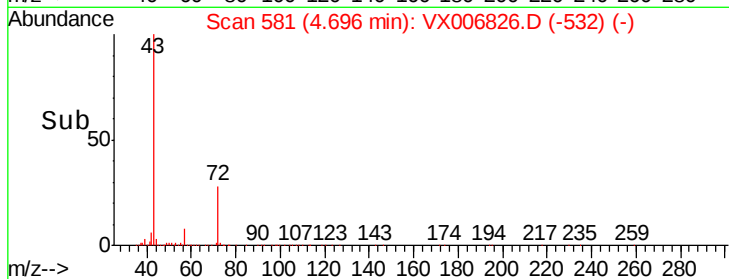
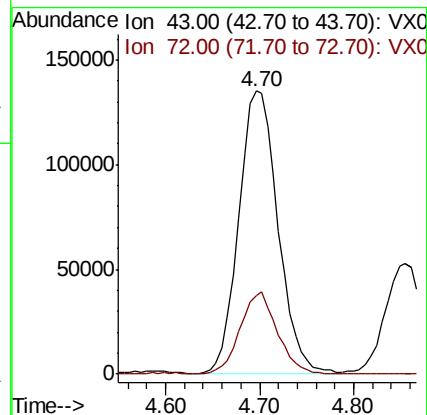
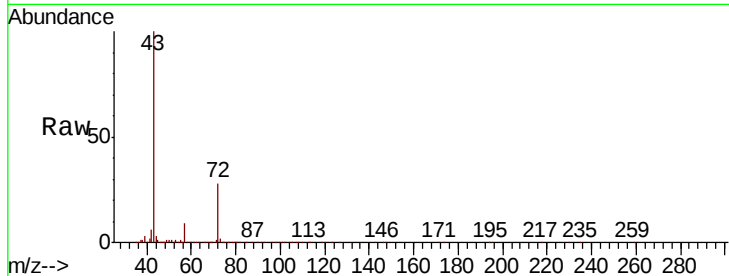
72 27.9 22.4 33.6

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#26

2,2-Dichloropropane

Concen: 15.906 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006826.D

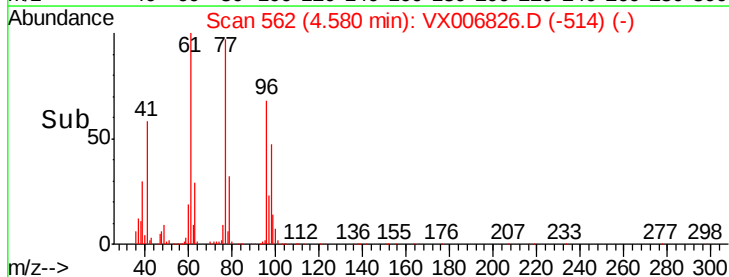
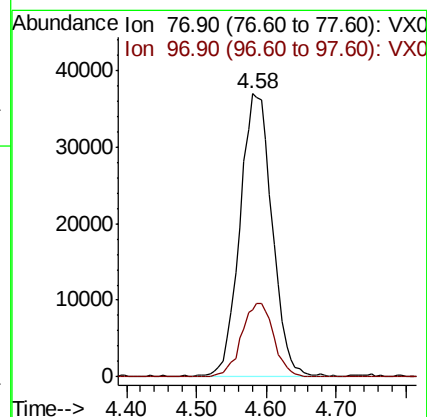
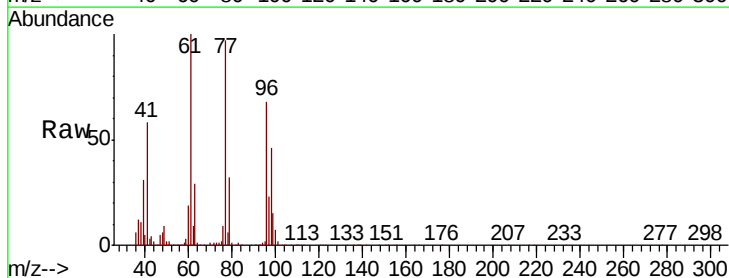
Acq: 26 Dec 2018 18:42

Tgt Ion: 77 Resp: 118477

Ion Ratio Lower Upper

77 100

97 25.9 12.4 37.4





#27

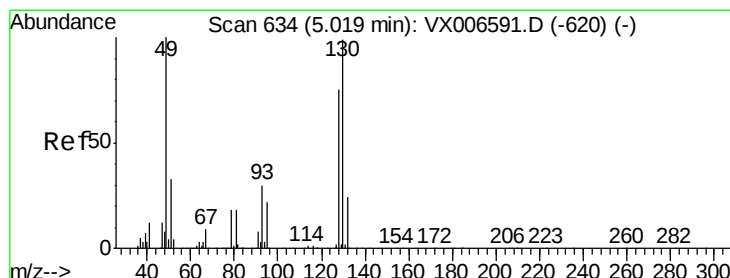
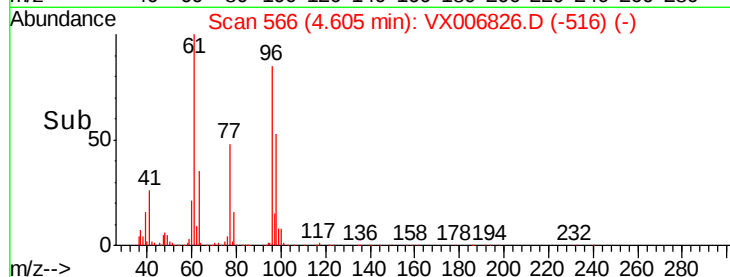
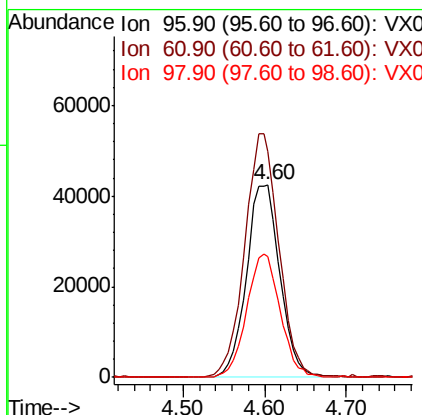
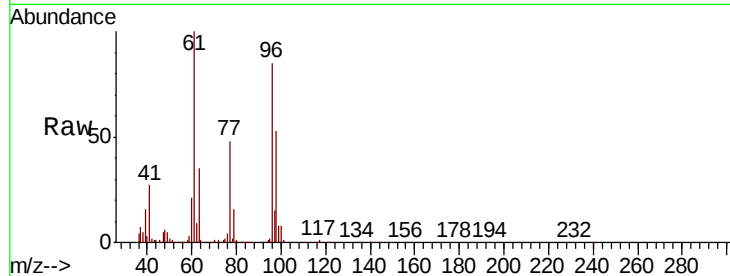
cis-1,2-Dichloroethene
Concen: 19.026 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122010		
61	127.7	0.0	258.6	
98	63.8	0.0	132.0	

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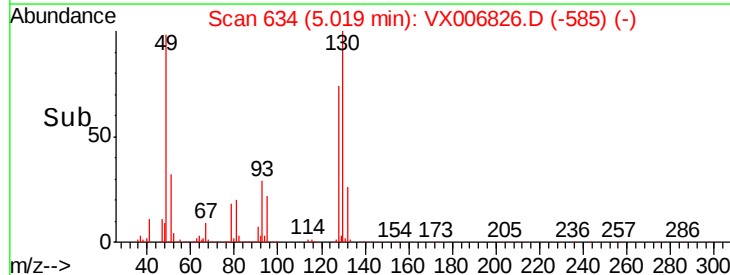
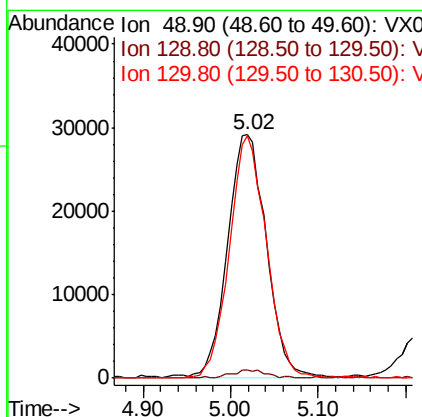
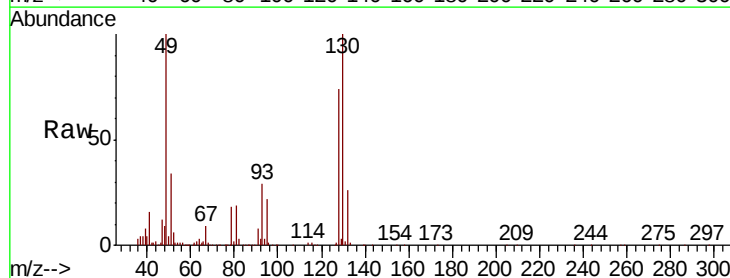
MMDadoda
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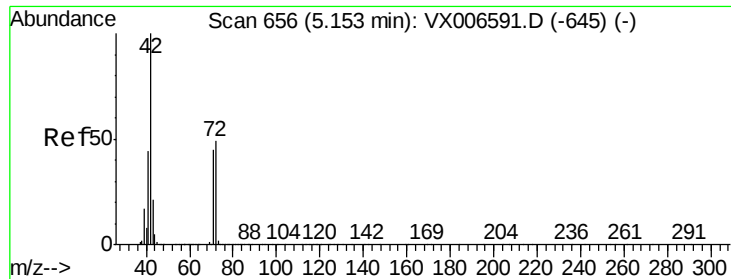


#28

Bromochloromethane
Concen: 21.099 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	90120		
129	3.1	0.0	5.4	
130	94.7	77.7	116.5	





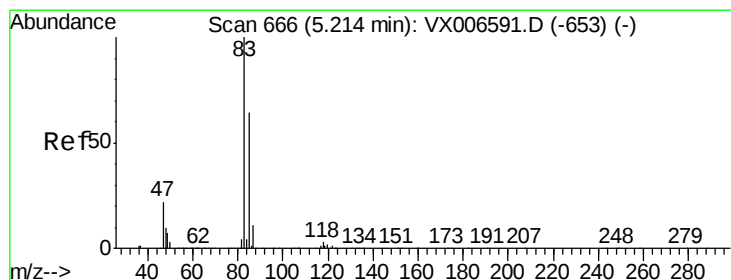
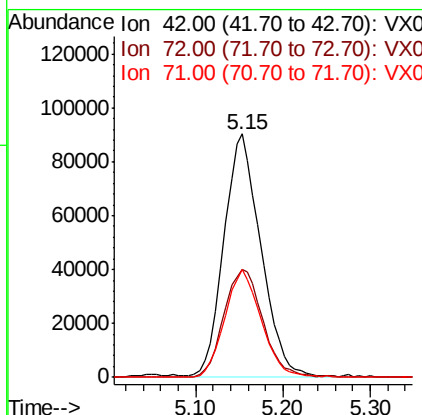
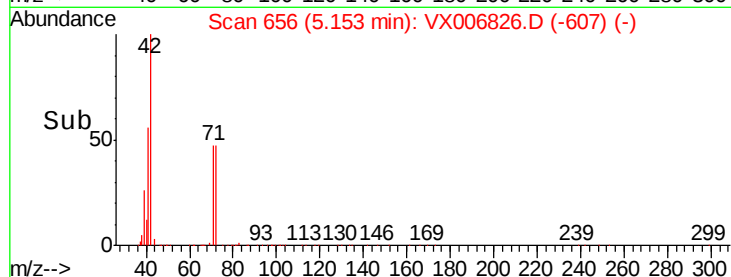
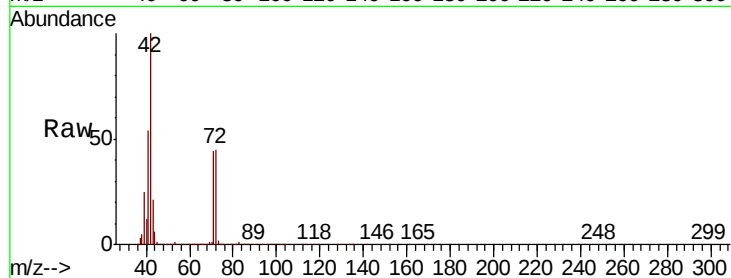
#29
Tetrahydrofuran
Concen: 97.641 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	38.9	58.3
71	43.7	36.2	54.4

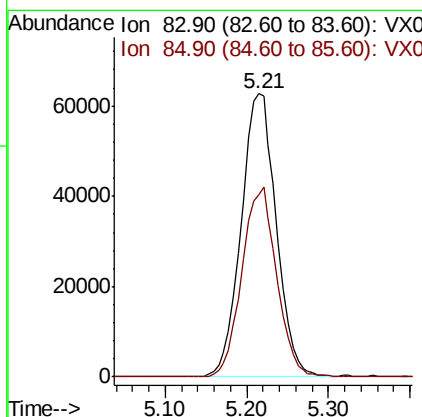
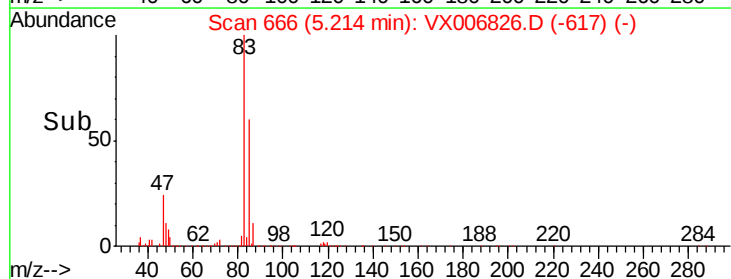
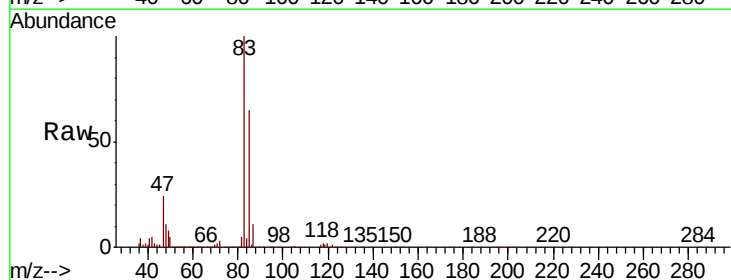
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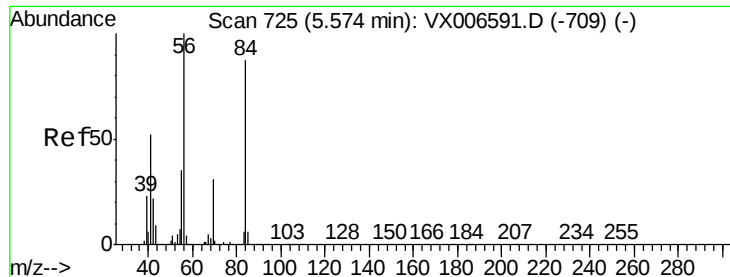
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#30
Chloroform
Concen: 18.801 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8





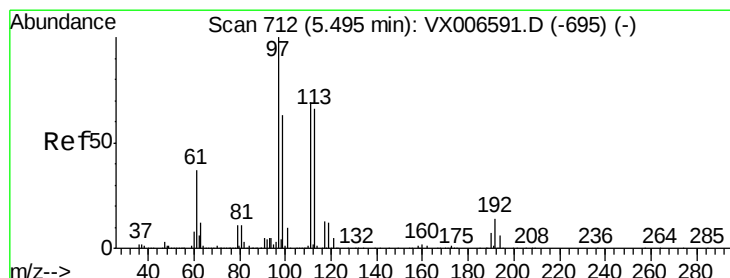
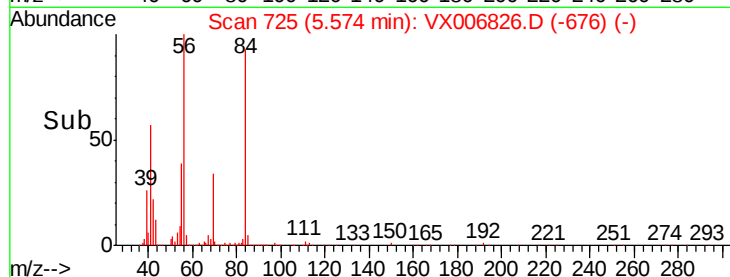
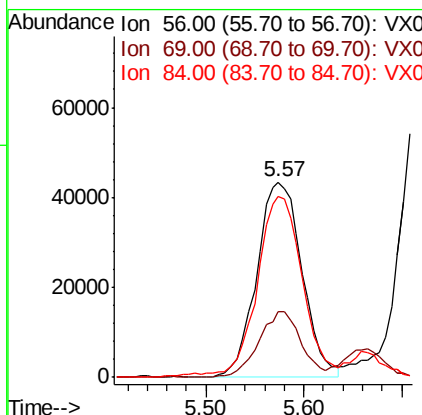
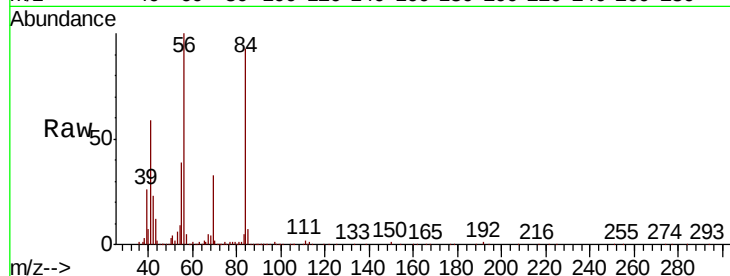
#31
Cyclohexane
Concen: 15.848 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	24.4	36.6
84	91.7	70.0	105.0

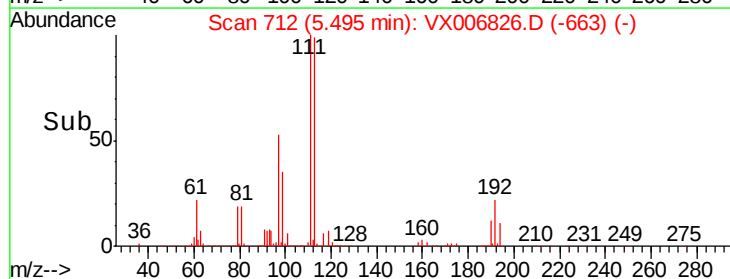
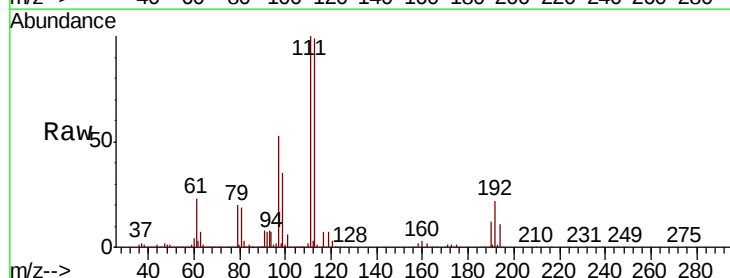
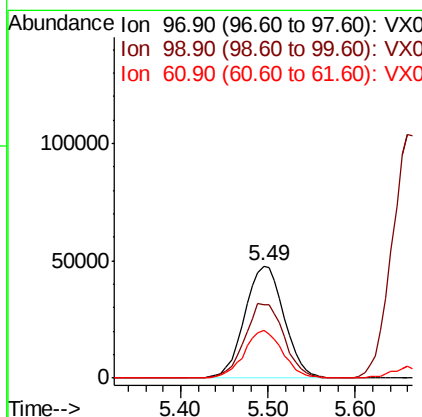
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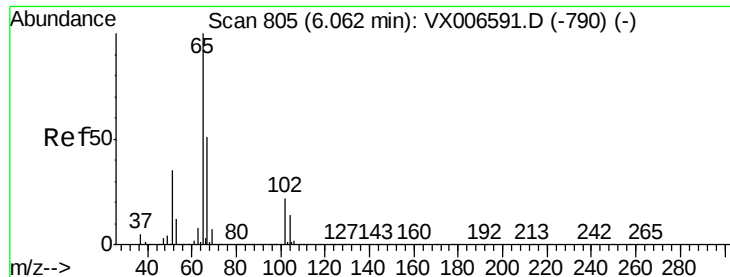
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#32
1,1,1-Trichloroethane
Concen: 17.698 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.7	77.5
61	41.5	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 48.611 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 65 Resp: 307589

Ion Ratio Lower Upper

65 100

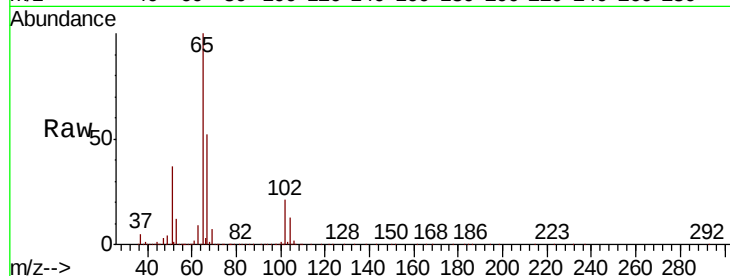
67 53.4 0.0 105.0

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

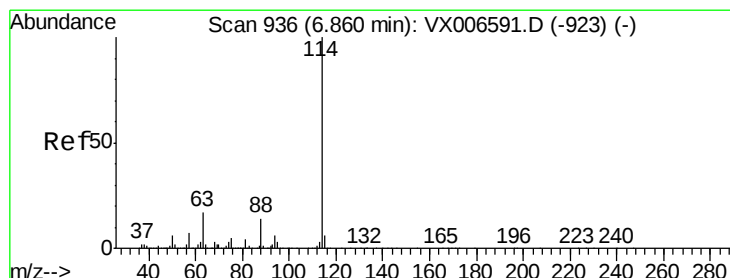
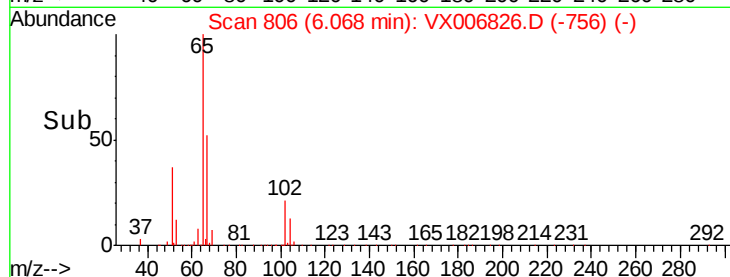
6.07

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

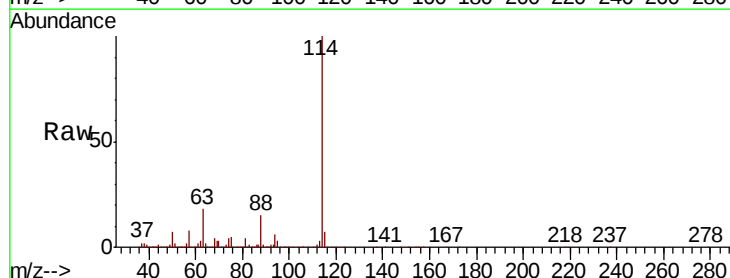
Tgt Ion: 114 Resp: 881066

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

88 14.7 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

500000

400000

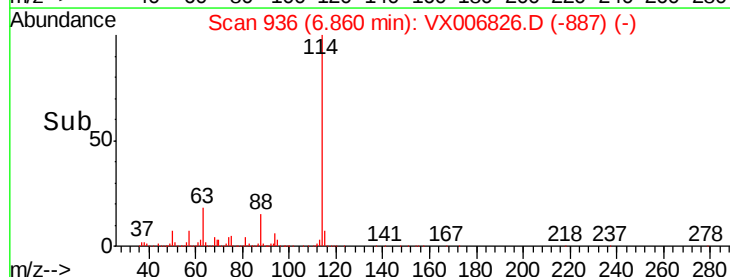
300000

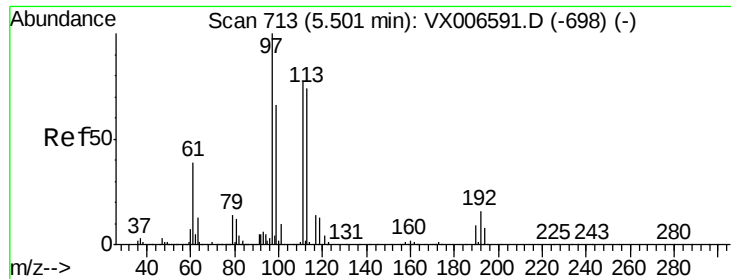
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.281 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

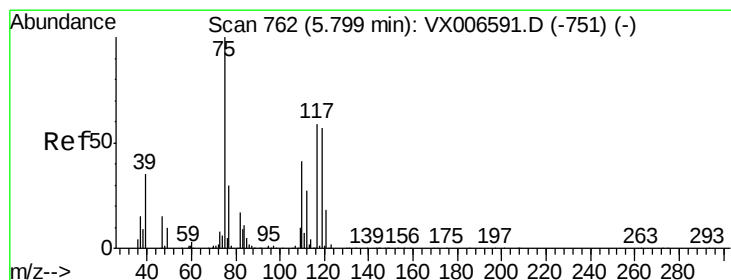
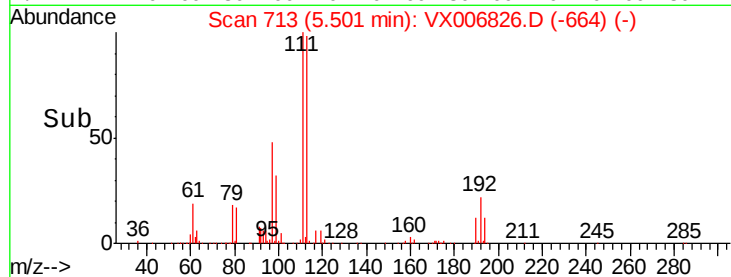
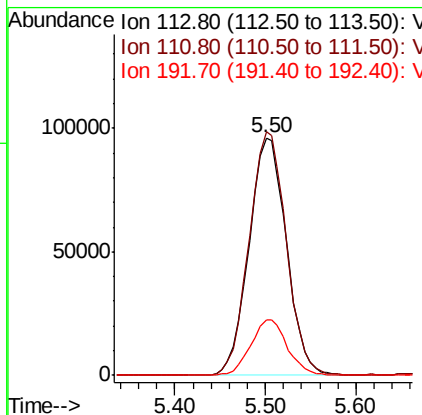
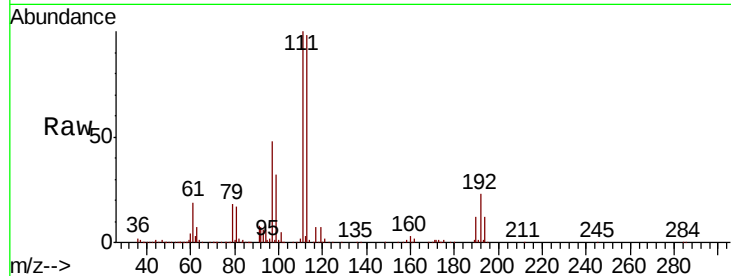
ClientSampleId :

VX1226WBSD01

Tot Ion:	113	Resp:	274580
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.6	122.4
192	22.9	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 18.162 ug/l

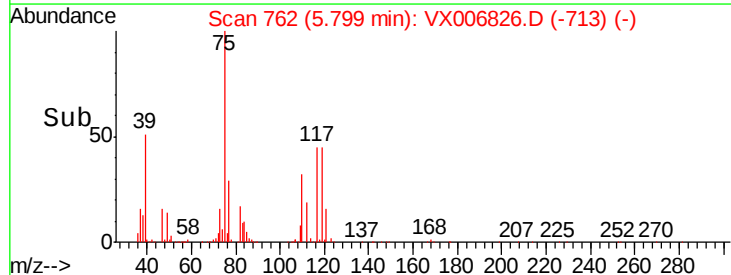
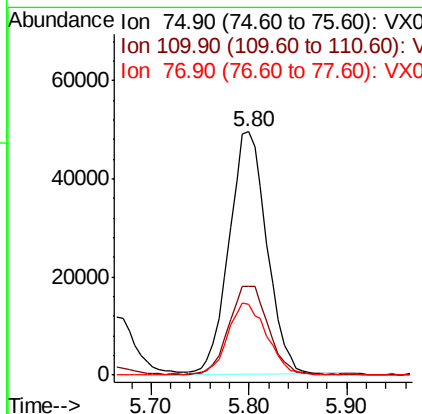
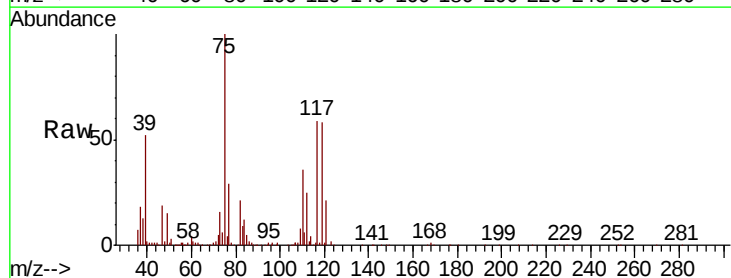
RT: 5.80 min Scan# 762

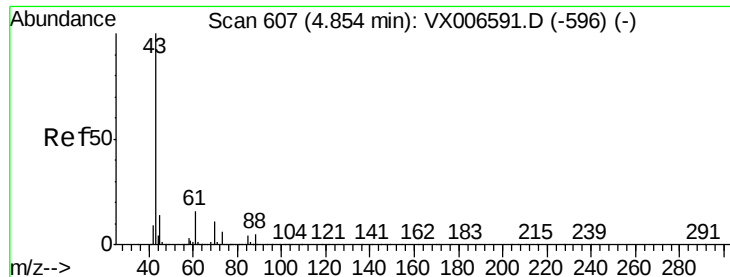
Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion:	75	Resp:	132535
Ion Ratio	Lower	Upper	
75	100		
110	38.8	20.2	60.5
77	31.4	24.8	37.2





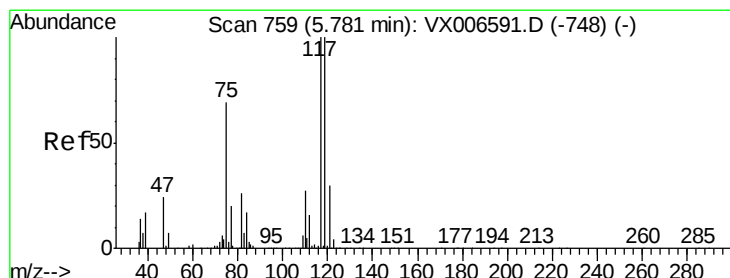
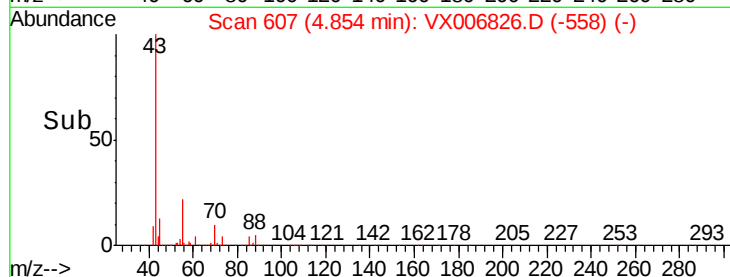
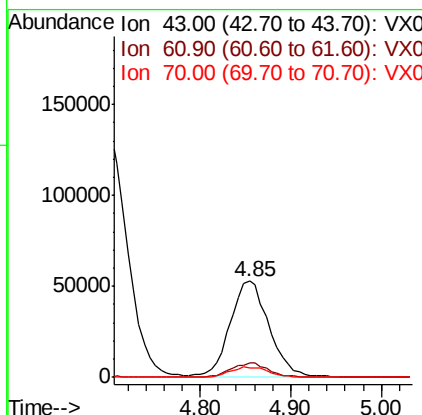
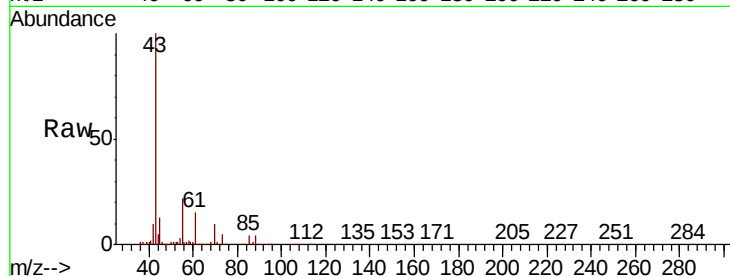
#37
Ethyl Acetate
Concen: 20.432 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion:	43	Resp:	155187
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	11.3	9.7	14.5

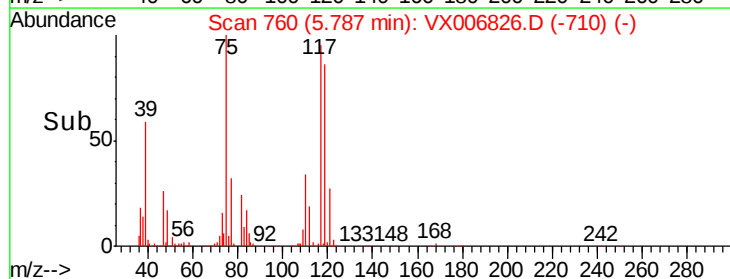
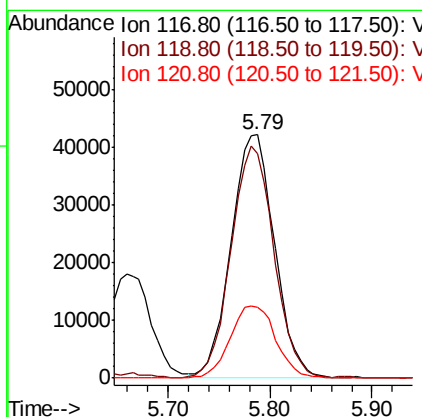
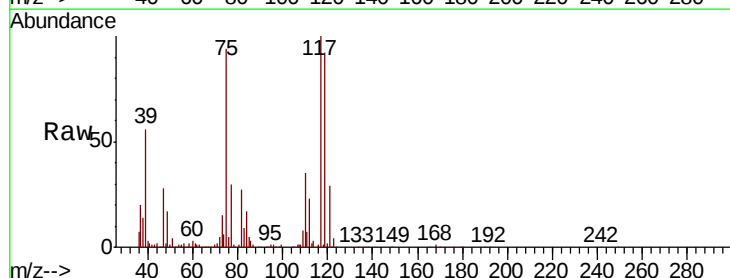
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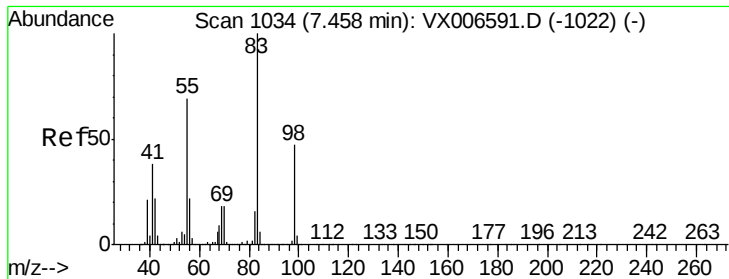
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#38
Carbon Tetrachloride
Concen: 17.519 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion:	117	Resp:	124241
Ion	Ratio	Lower	Upper
117	100		
119	92.2	79.4	119.2
121	29.3	24.0	36.0





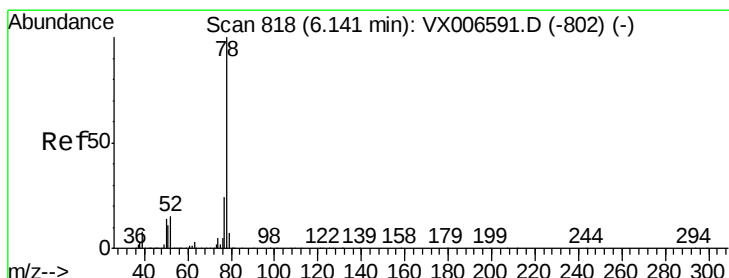
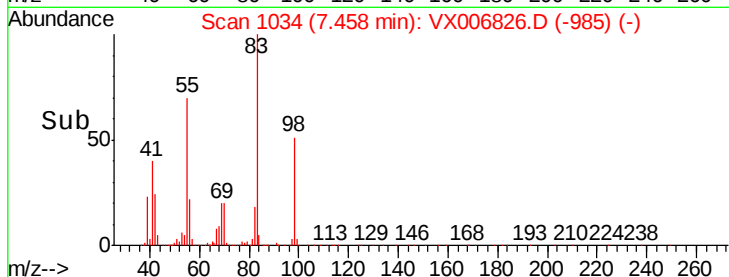
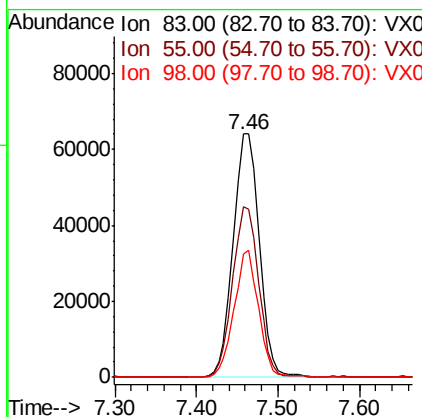
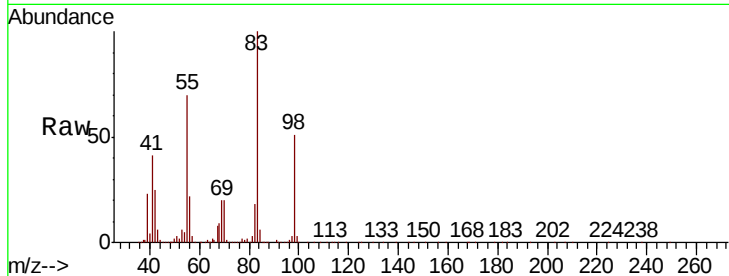
#39
Methvlcvclohexane
Concen: 14.797 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.7	54.9	82.3
98	50.8	37.9	56.9

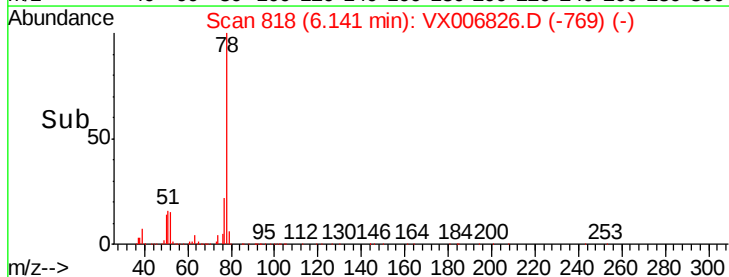
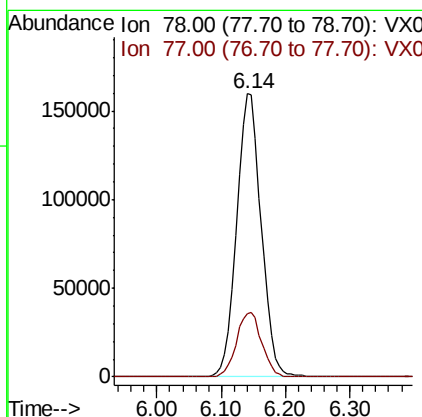
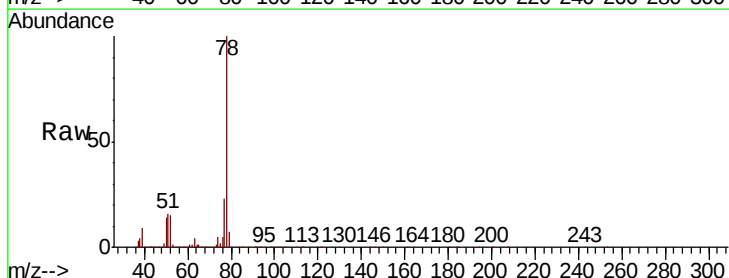
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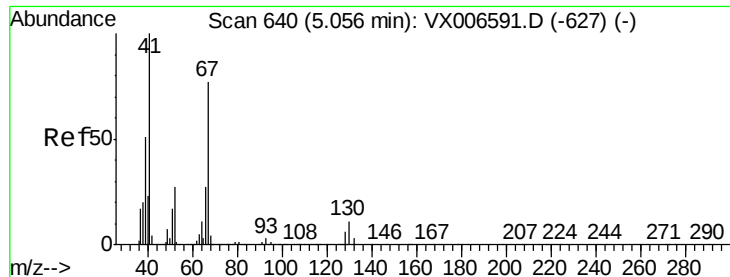
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#40
Benzene
Concen: 18.932 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.2	28.8





#41

Methacrylonitrile

Concen: 22.223 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

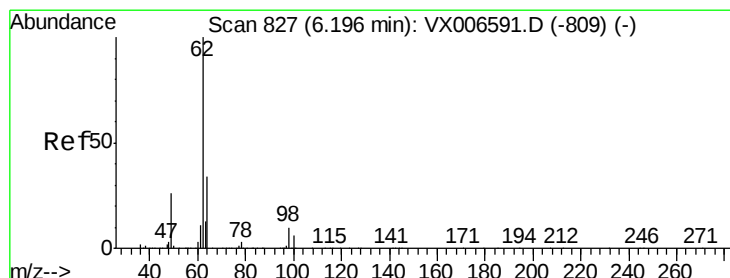
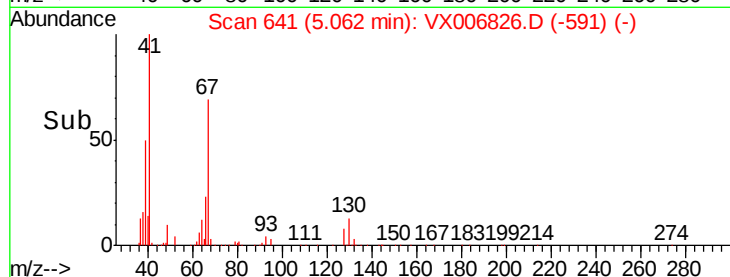
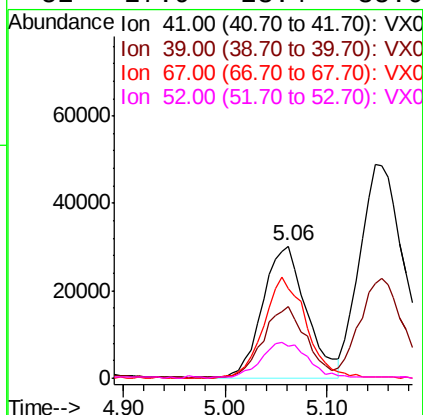
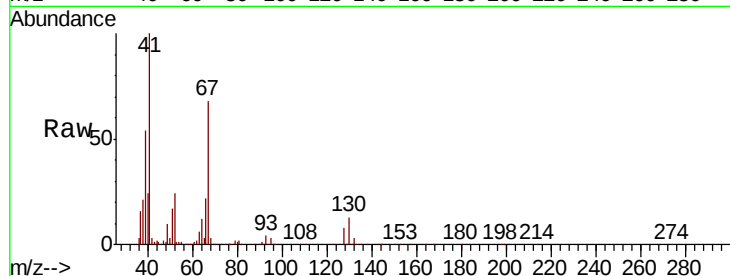
ClientSampleId :

VX1226WBSD01

Tot Ion:	41	Resp:	89612
Ion Ratio	Lower	Upper	
41	100		
39	52.4	42.8	64.2
67	75.2	62.1	93.1
52	27.9	23.4	35.0

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12/27/2018 9:40:32 AM



#42

1,2-Dichloroethane

Concen: 19.720 ug/l

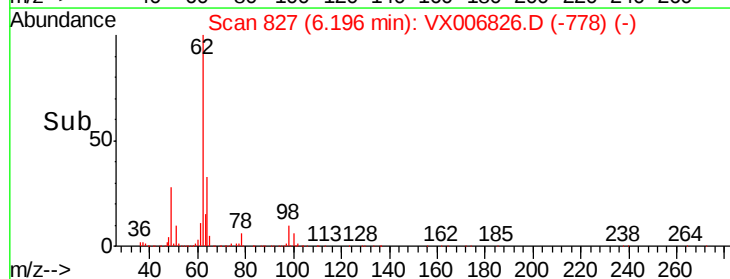
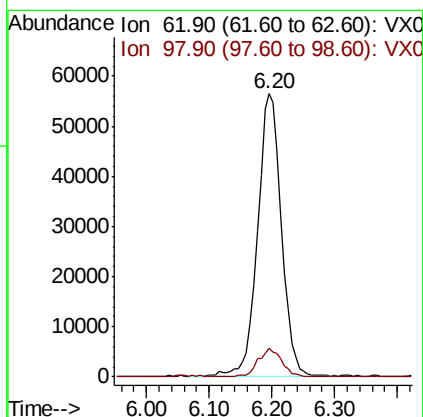
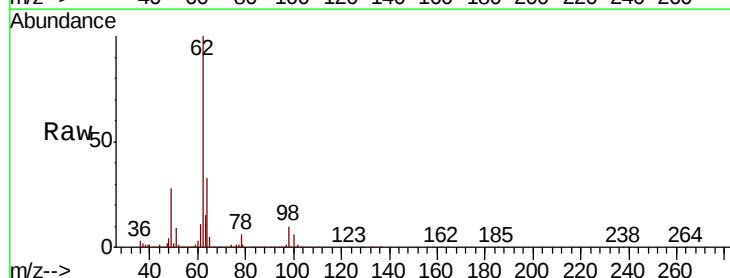
RT: 6.20 min Scan# 827

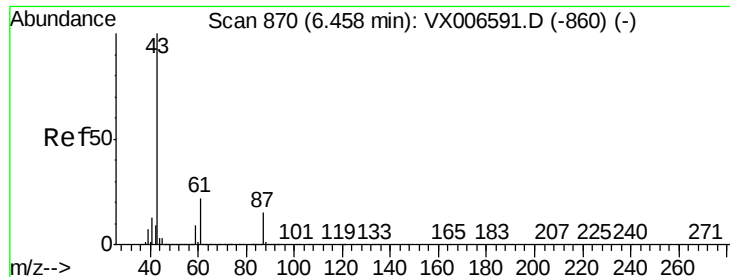
Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion:	62	Resp:	149054
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 21.293 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

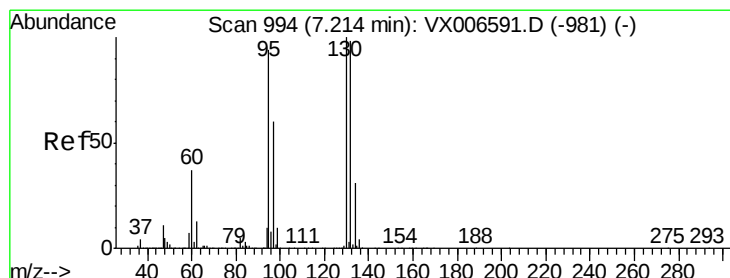
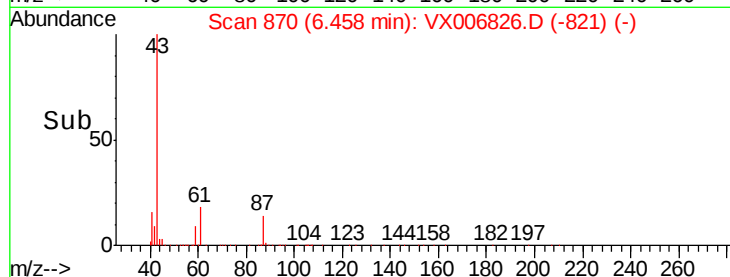
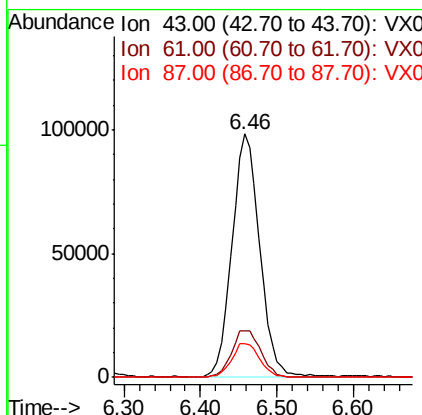
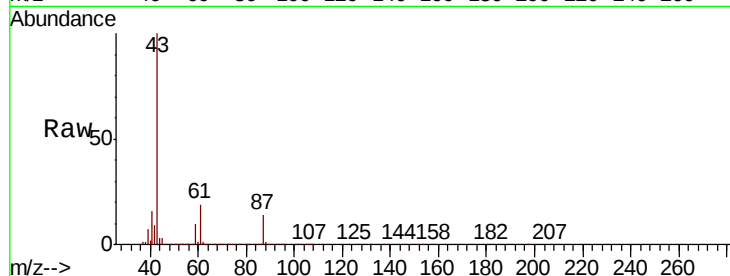
ClientSampleId :

VX1226WBSD01

Tot Ion:	43	Resp:	246072
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.8	25.2
87	14.5	12.4	18.6

Manual Integrations
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MMDadoda
12/27/2018 9:40:32 AM



#44

Trichloroethene

Concen: 17.625 ug/l

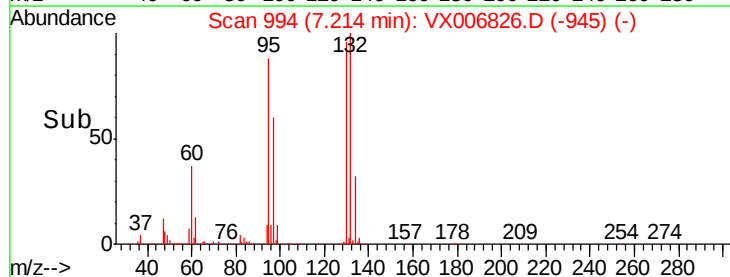
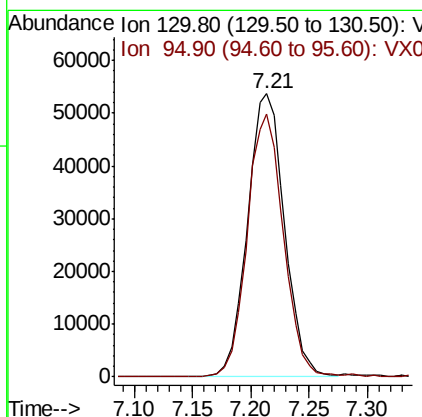
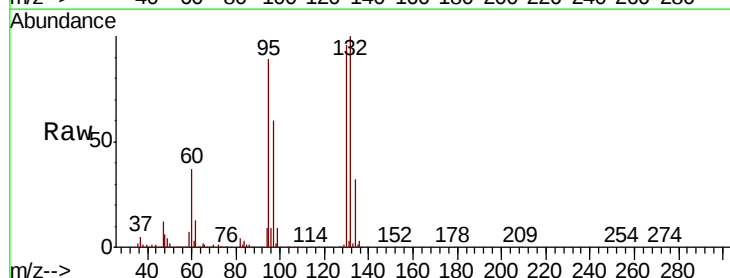
RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion:	130	Resp:	118330
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.718 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 63 Resp: 106436

Ion Ratio Lower Upper

63 100

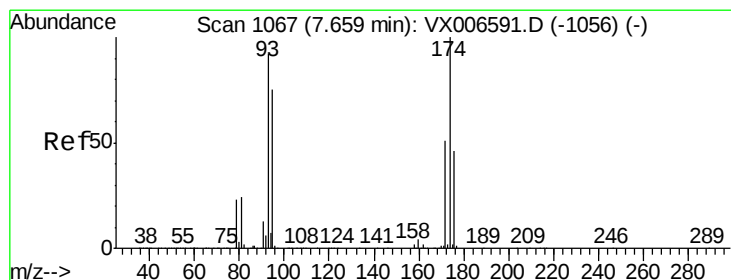
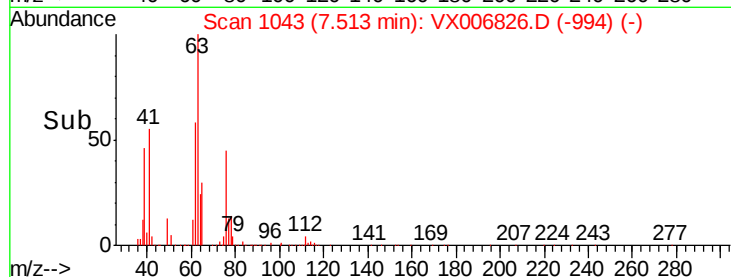
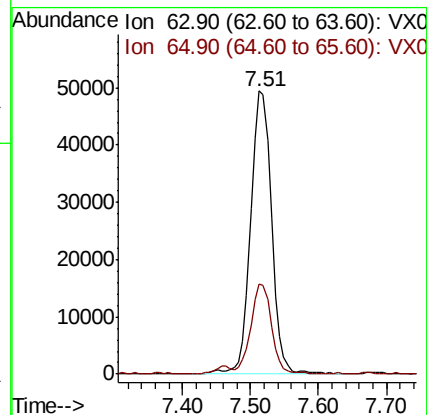
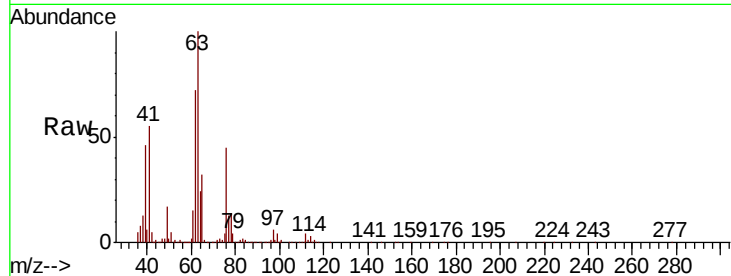
65 31.5 25.4 38.0

Manual Integrations

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MMDadoda

12/27/2018 9:40:32 AM



#46

Dibromomethane

Concen: 18.762 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

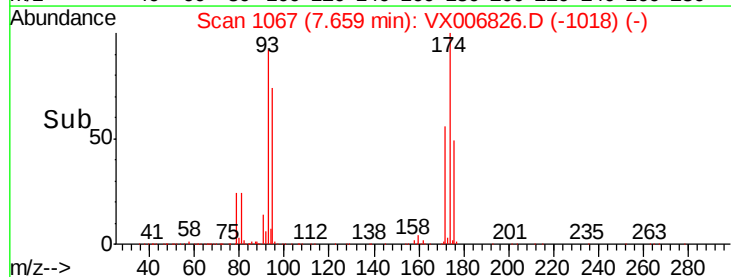
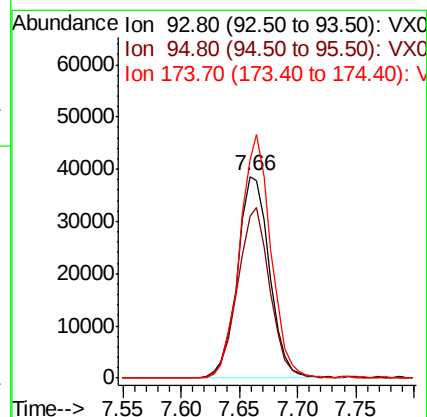
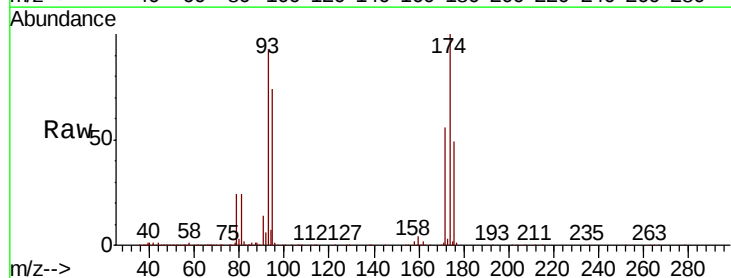
Tgt Ion: 93 Resp: 74491

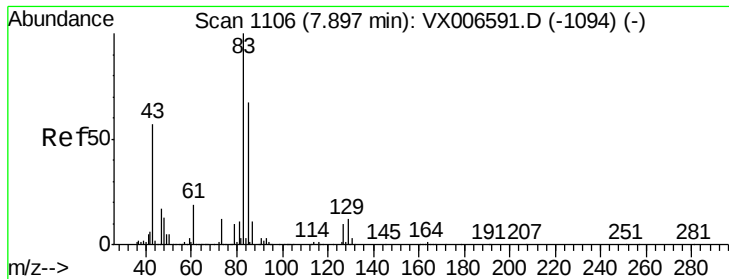
Ion Ratio Lower Upper

93 100

95 84.5 66.2 99.4

174 116.9 91.0 136.4





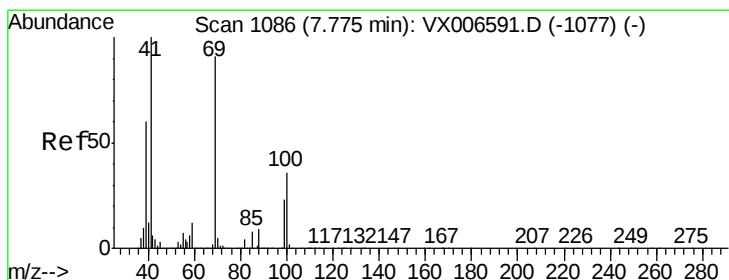
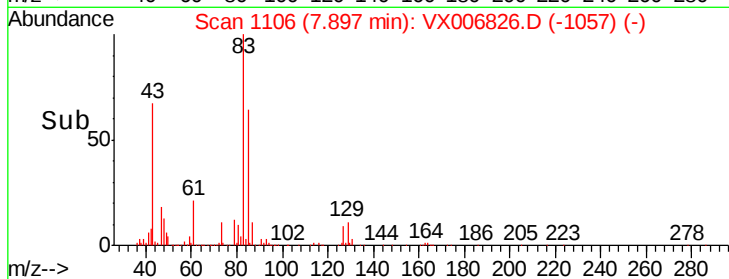
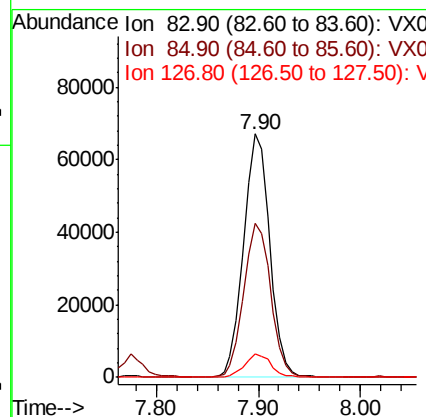
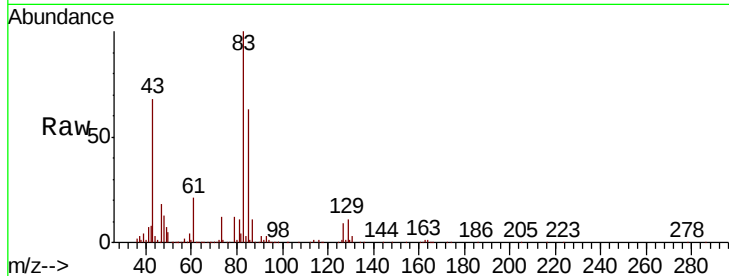
#47
Bromodichloromethane
Concen: 18.075 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	53.2	79.8
127	9.2	7.8	11.6

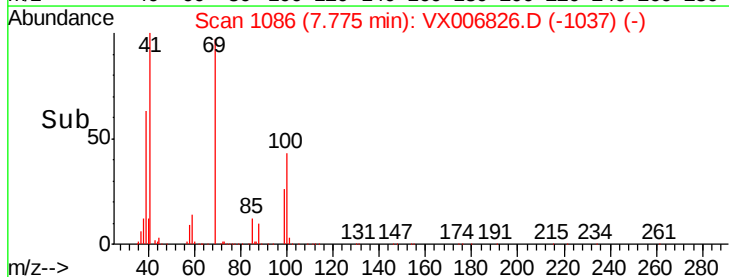
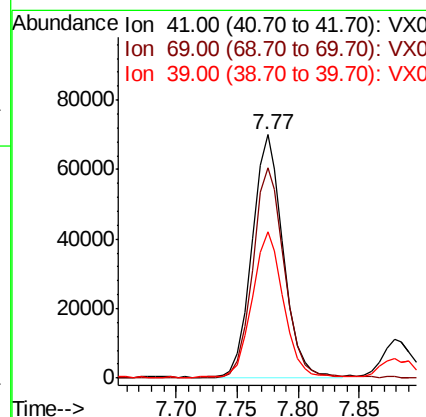
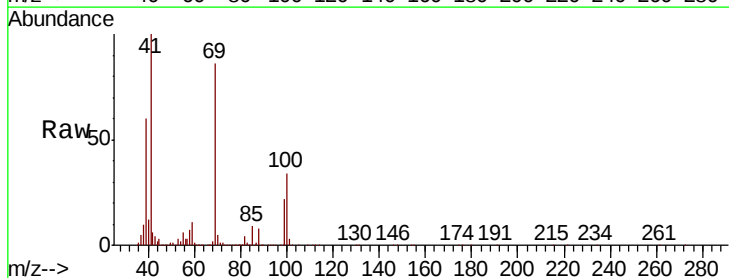
Manual Integrations
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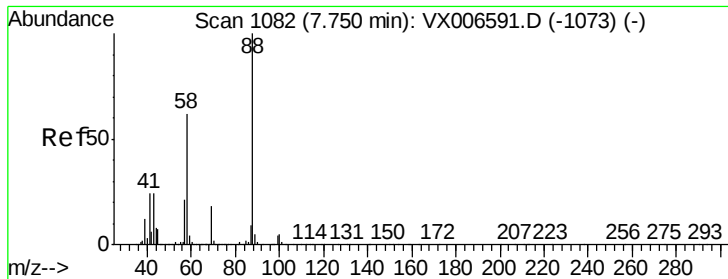
MMDadoda
12/27/2018 9:40:32 AM



#48
Methyl methacrylate
Concen: 21.035 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.5	72.4	108.6
39	60.2	45.8	68.8





#49

1,4-Dioxane

Concen: 332.878 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

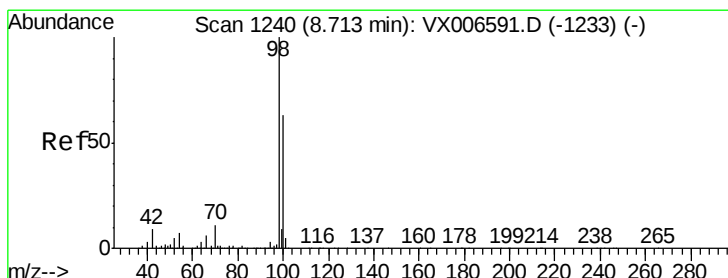
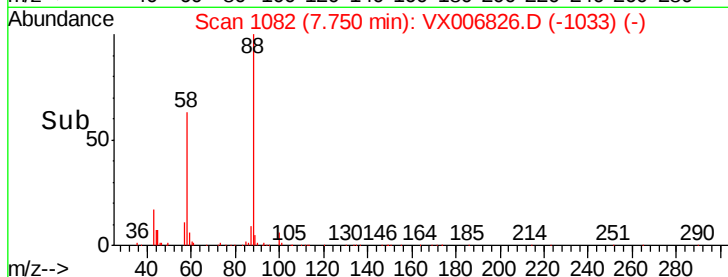
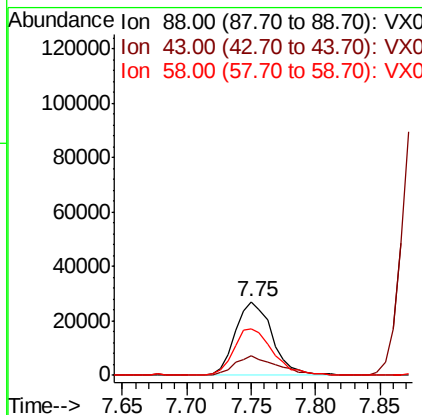
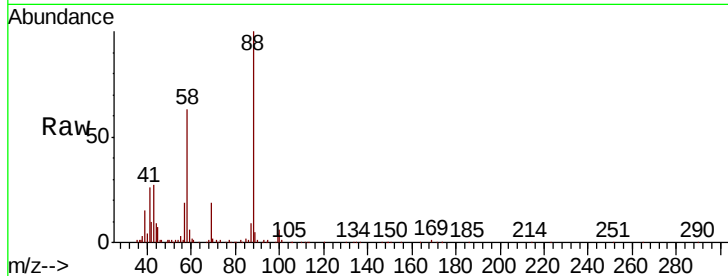
ClientSampleId :

VX1226WBSD01

Tot Ion:	88	Resp:	53223
Ion	Ratio	Lower	Upper
88	100		
43	30.9	22.2	33.4
58	67.5	51.0	76.4

Manual Integrations
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12/27/2018 9:40:32 AM



#50

Toluene-d8

Concen: 47.459 ug/l

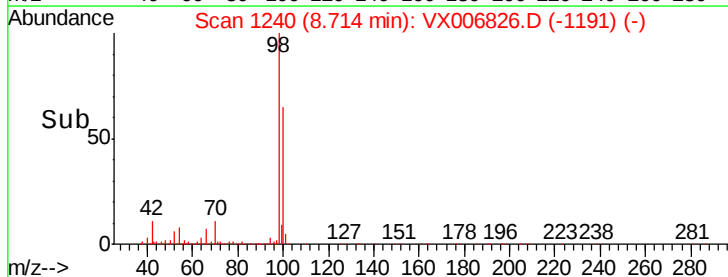
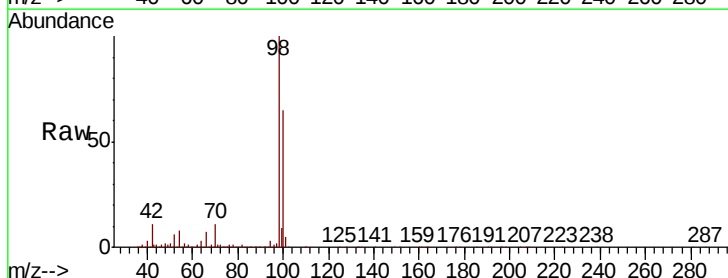
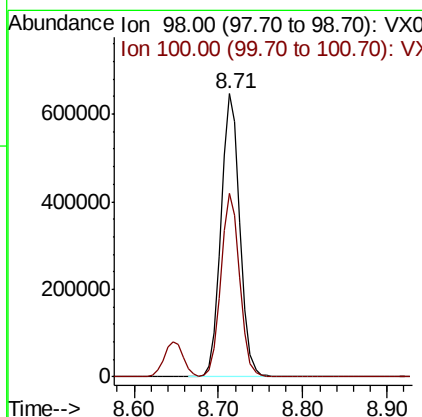
RT: 8.71 min Scan# 1240

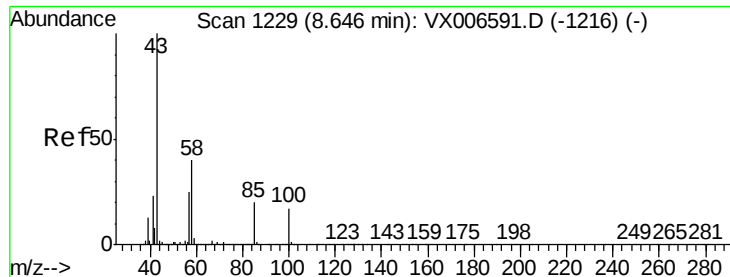
Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion:	98	Resp:	996904
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0





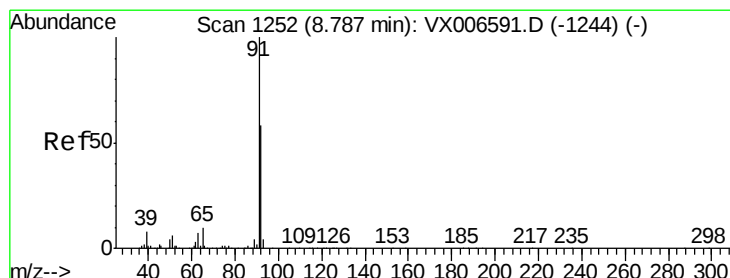
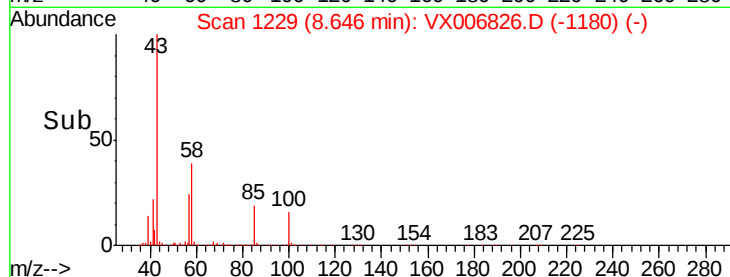
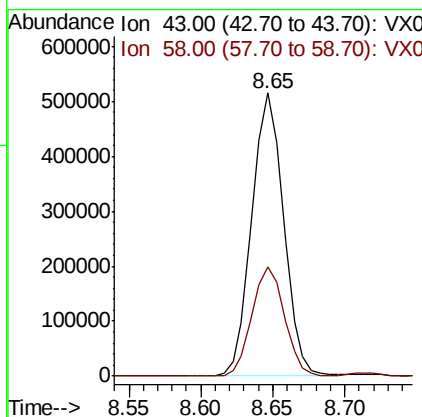
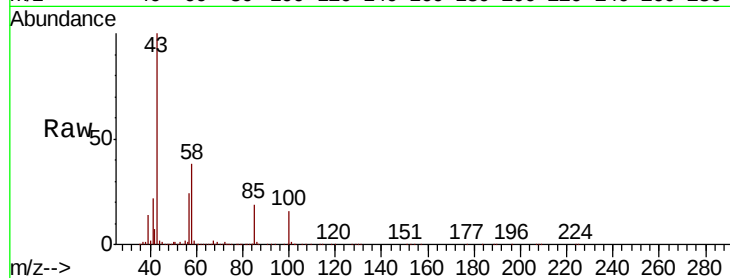
#51
4-Methyl-2-Pentanone
Concen: 106.947 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.8	47.6

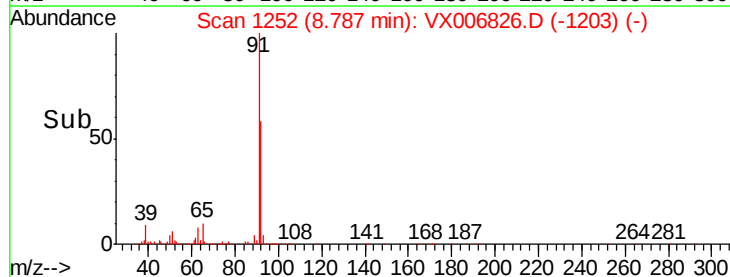
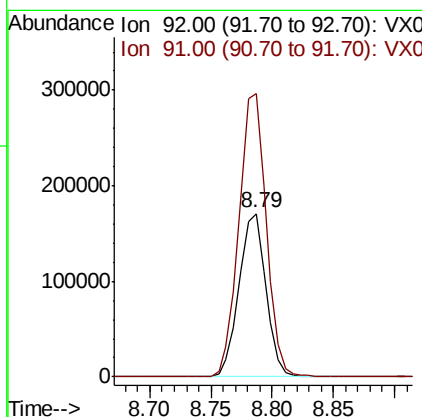
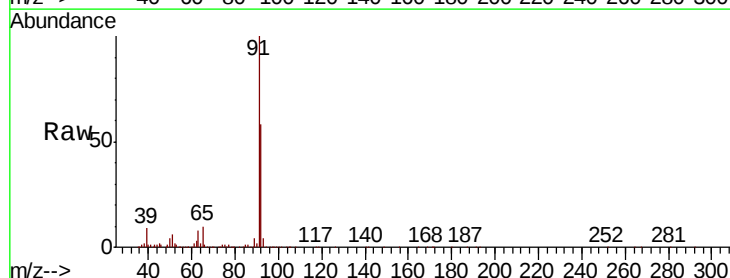
Manual Integrations
APPROVED

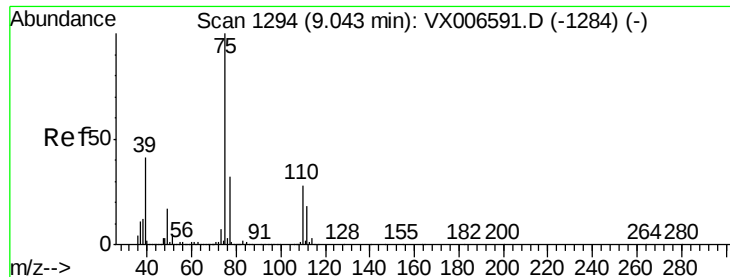
MMDadoda
12/27/2018 9:40:32 AM



#52
Toluene
Concen: 18.215 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.1	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 17.972 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 75 Resp: 127054

Ion Ratio Lower Upper

75 100

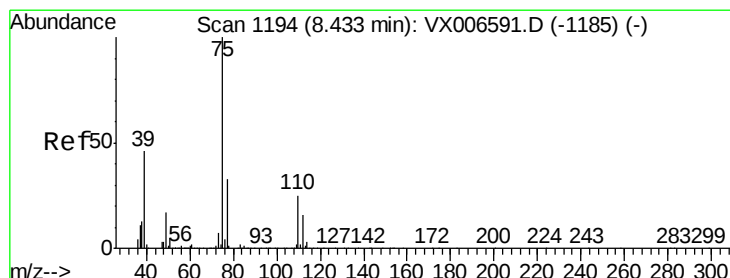
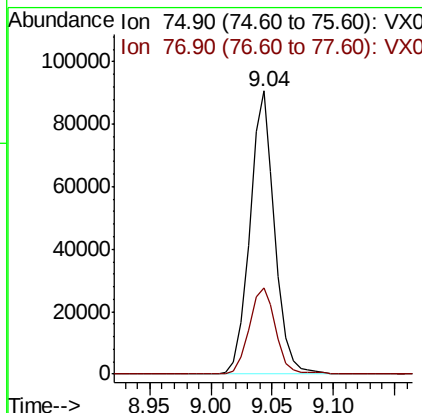
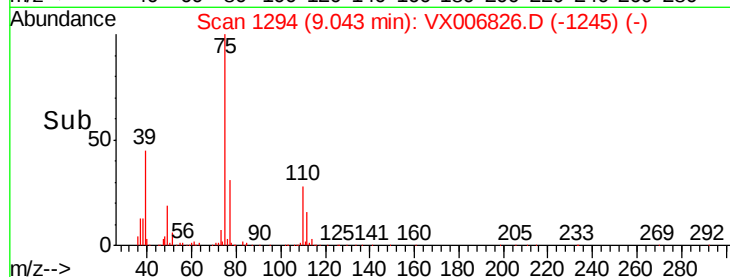
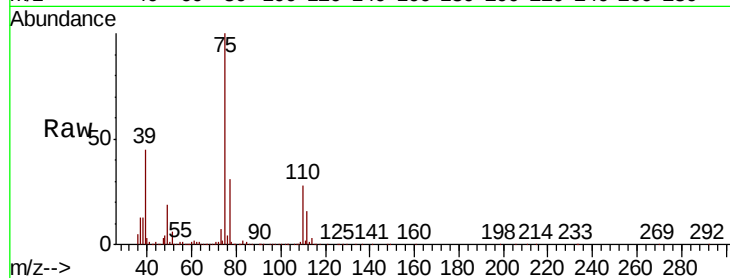
77 30.6 25.4 38.0

Manual Integrations

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MMDadoda

12/27/2018 9:40:32 AM



#54

cis-1,3-Dichloropropene

Concen: 18.906 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

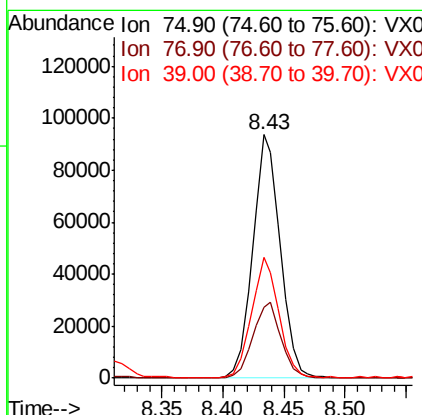
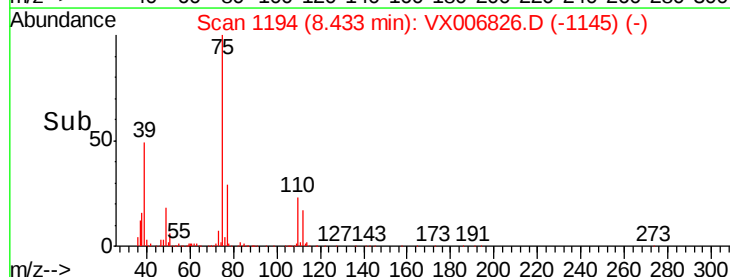
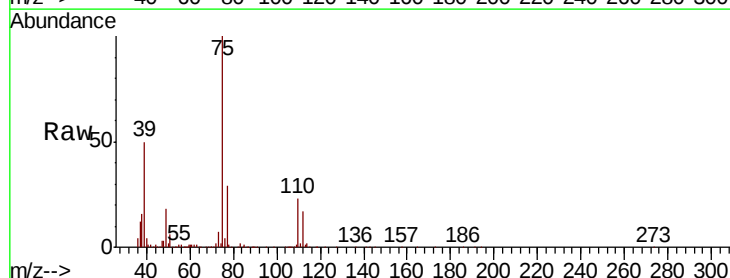
Tgt Ion: 75 Resp: 146655

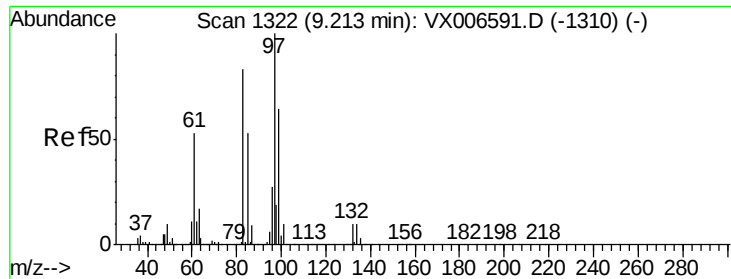
Ion Ratio Lower Upper

75 100

77 29.3 26.2 39.2

39 49.2 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 19.687 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

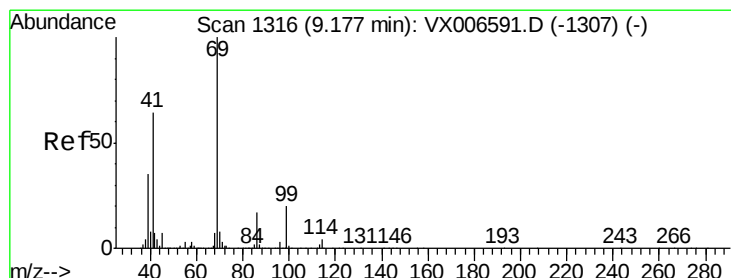
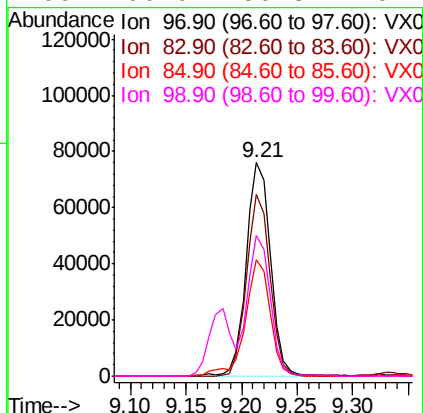
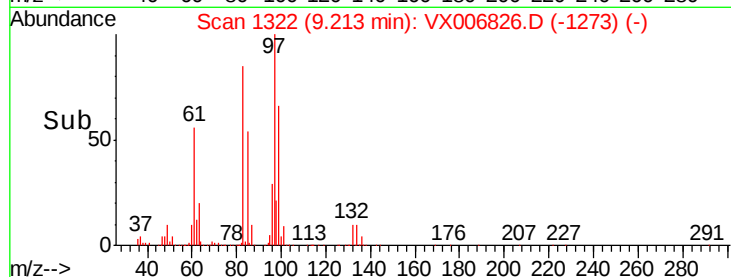
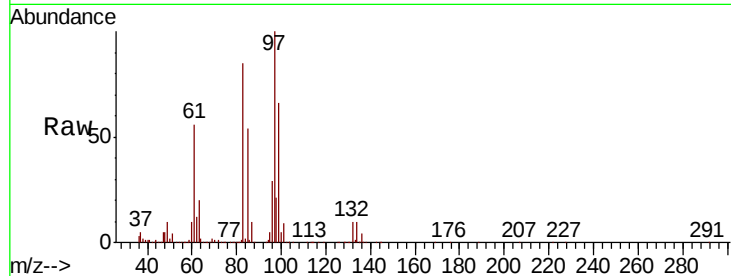
ClientSampleId :

VX1226WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		115473		
83	85.2	66.6	99.8		
85	54.1	42.7	64.1		
99	66.0	50.8	76.2		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.079 ug/l

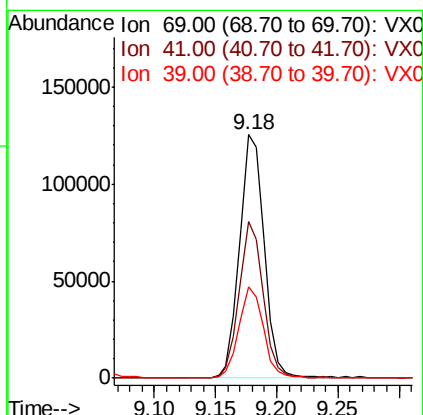
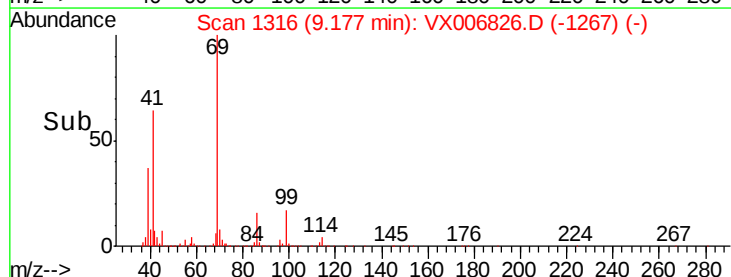
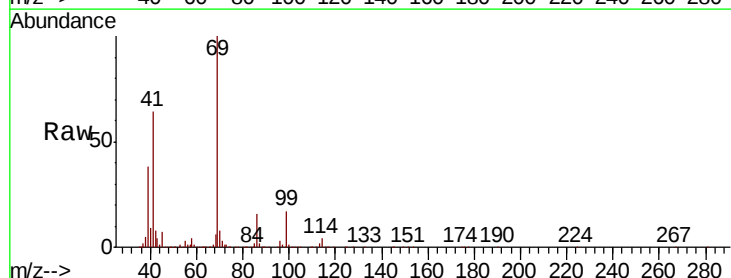
RT: 9.18 min Scan# 1316

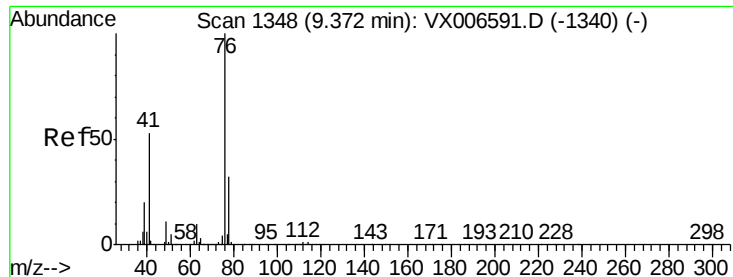
Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		174749		
41	62.4	48.7	73.1		
39	36.6	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 19.744 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 76 Resp: 186327

Ion Ratio Lower Upper

76 100

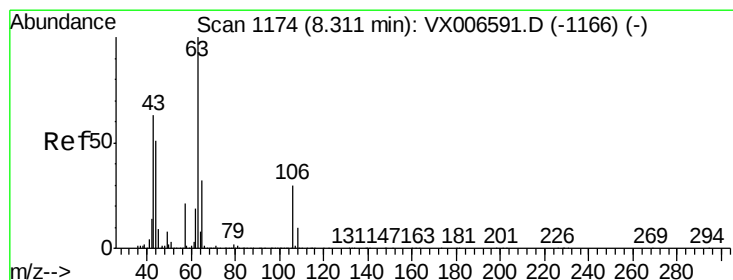
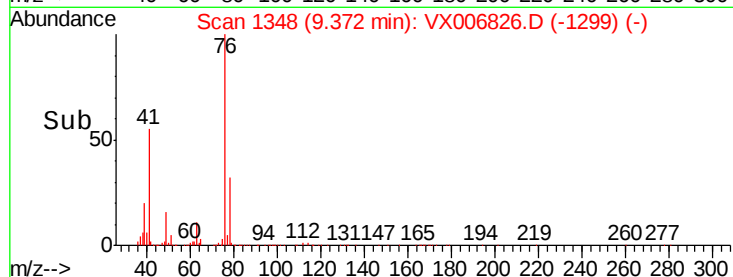
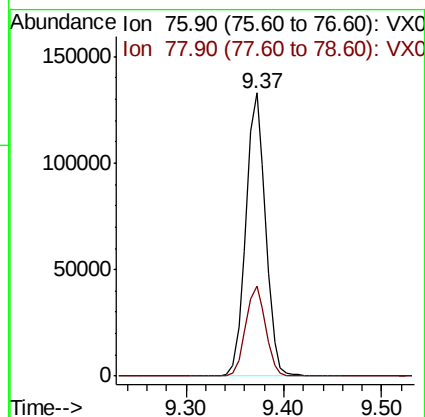
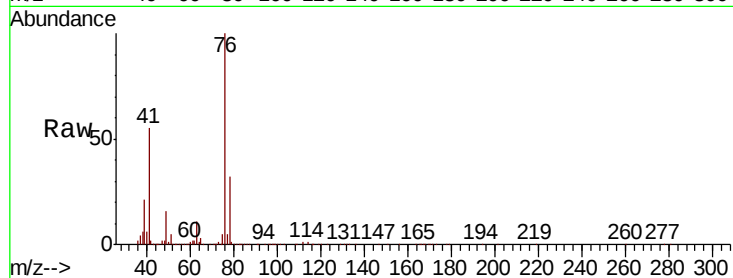
78 32.4 26.0 39.0

Manual Integrations

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MMDadoda

12/27/2018 9:40:32 AM



#58

2-Chloroethyl Vinyl ether

Concen: 102.217 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006826.D

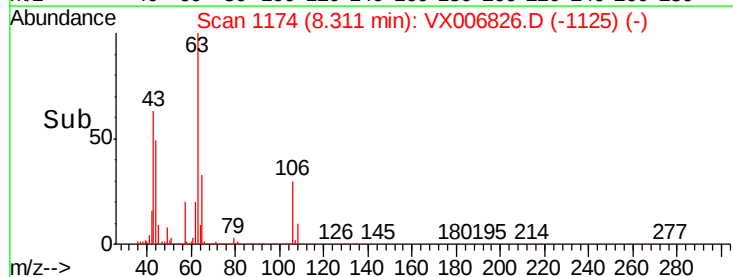
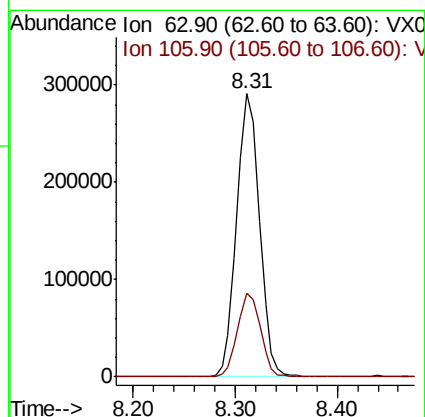
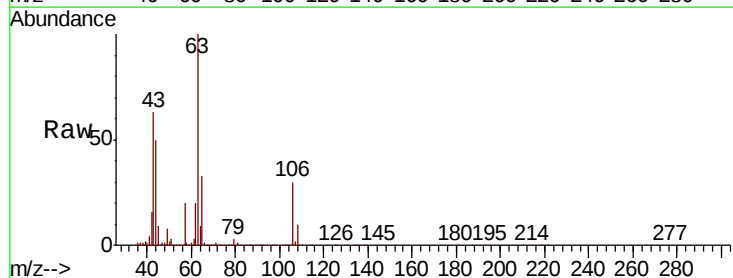
Acq: 26 Dec 2018 18:42

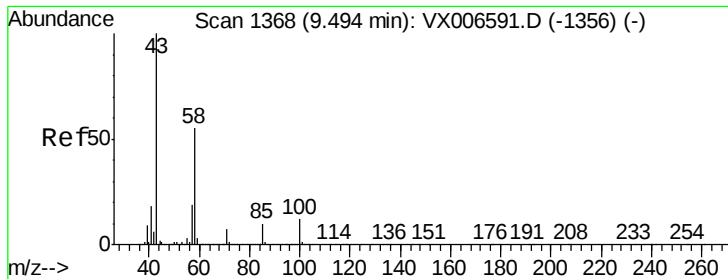
Tgt Ion: 63 Resp: 450449

Ion Ratio Lower Upper

63 100

106 29.9 24.6 36.8





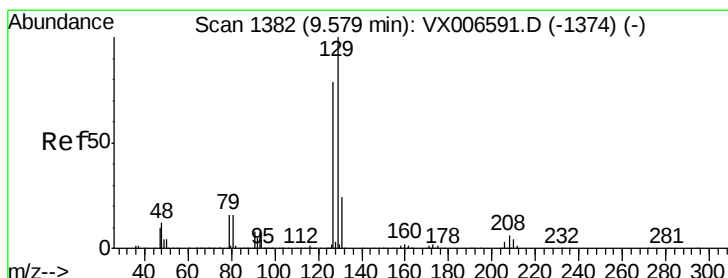
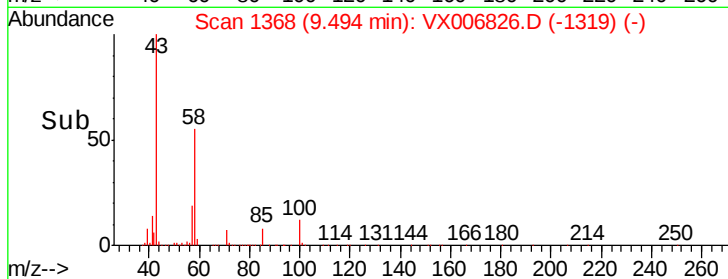
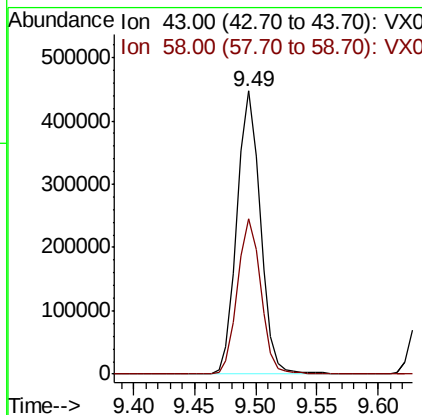
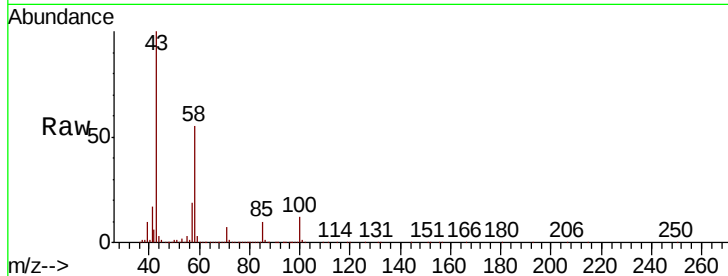
#59
2-Hexanone
Concen: 104.961 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion: 43 Resp: 590495
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.1

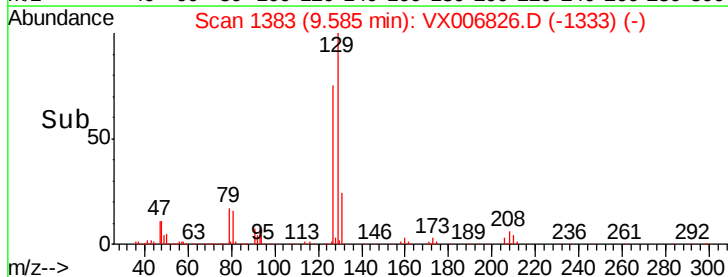
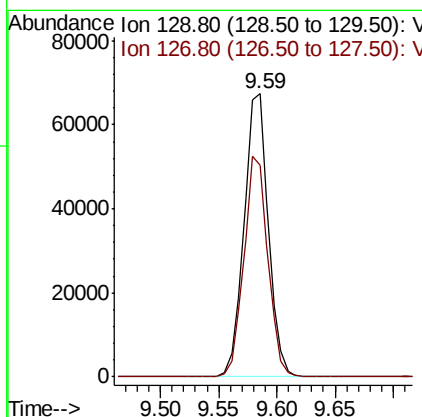
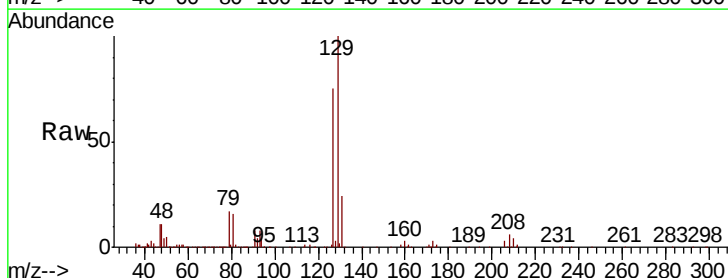
Manual Integrations
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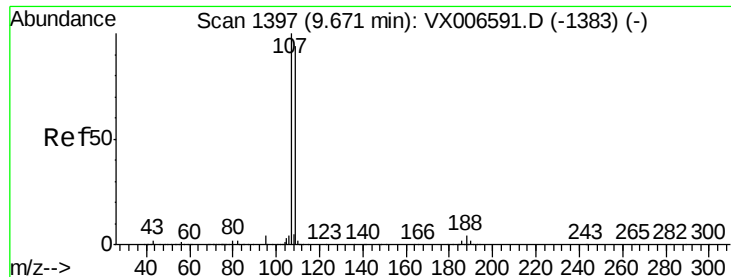
MMDadoda
12/27/2018 9:40:32 AM



#60
Dibromochloromethane
Concen: 17.625 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion: 129 Resp: 98439
Ion Ratio Lower Upper
129 100
127 77.1 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.004 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 107 Resp: 118492

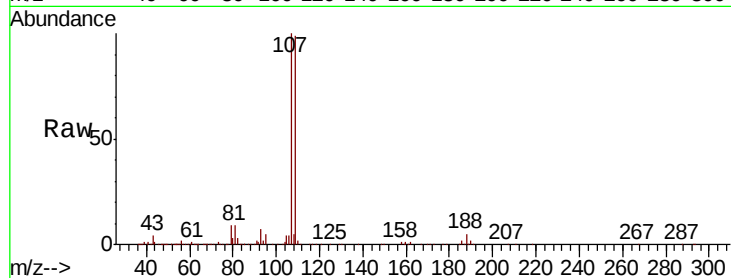
Ion Ratio Lower Upper

107 100

109 96.2 75.8 113.6

Manual Integrations
APPROVED

MMDadoda
12/27/2018 9:40:32 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

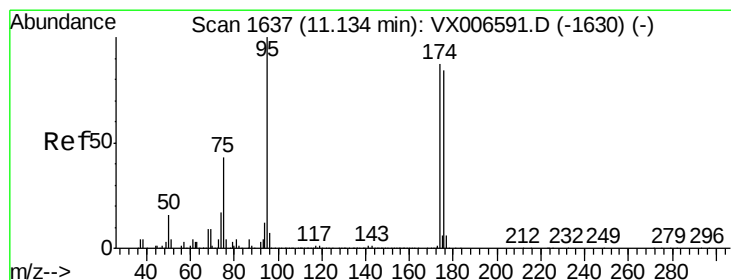
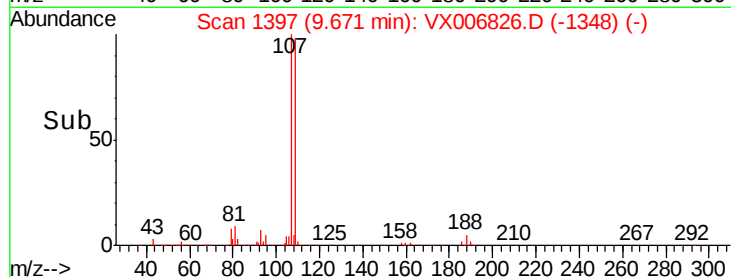
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 46.316 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

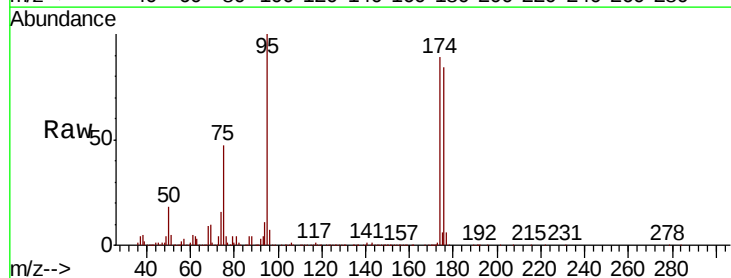
Tgt Ion: 95 Resp: 356314

Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.2

176 90.3 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

400000

300000

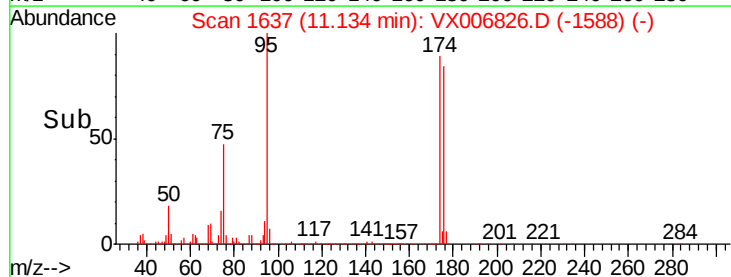
200000

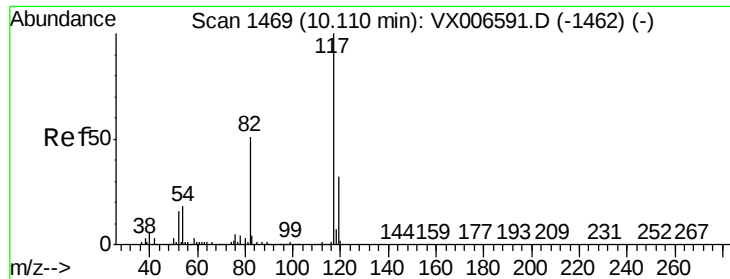
100000

0

11.10 11.20

Time-->





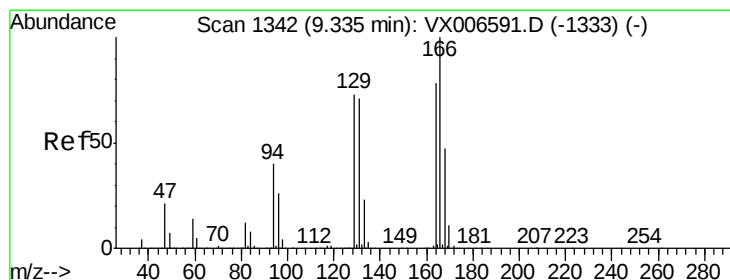
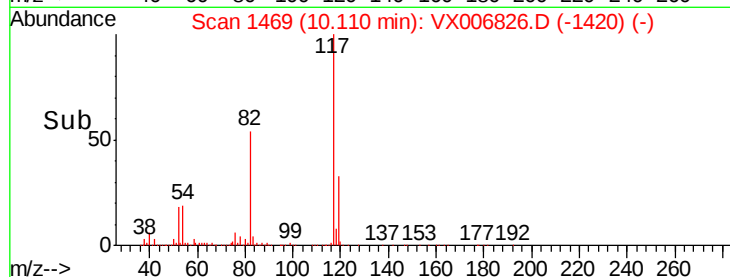
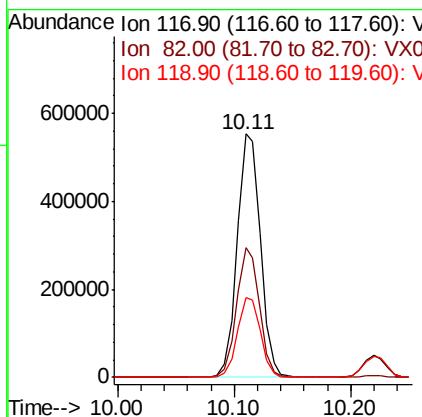
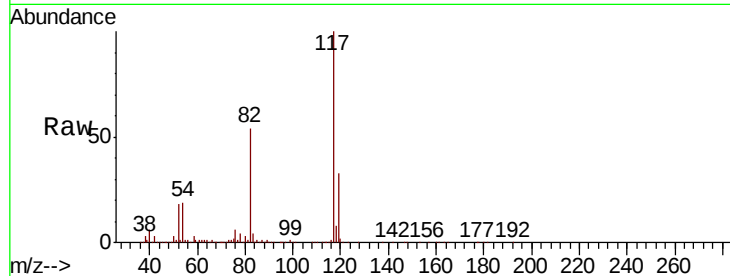
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampled :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.0	61.6
119	32.6	25.4	38.0

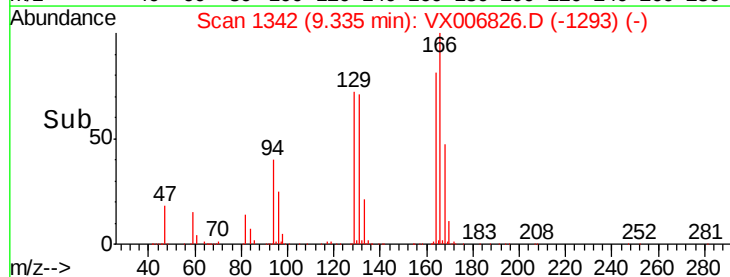
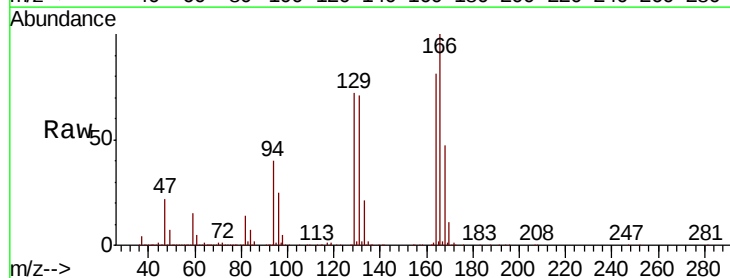
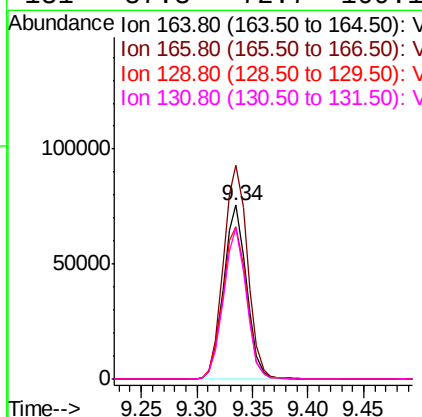
Manual Integrations
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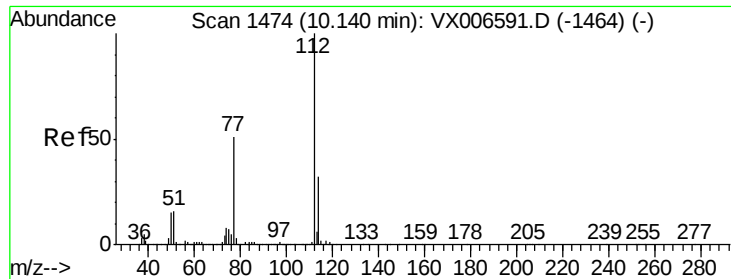
MMDadoda
12/27/2018 9:40:32 AM



#64
Tetrachloroethene
Concen: 17.671 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	102.5	153.7
129	88.0	75.1	112.7
131	87.3	72.7	109.1





#65

Chlorobenzene

Concen: 19.002 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion:112 Resp: 309641

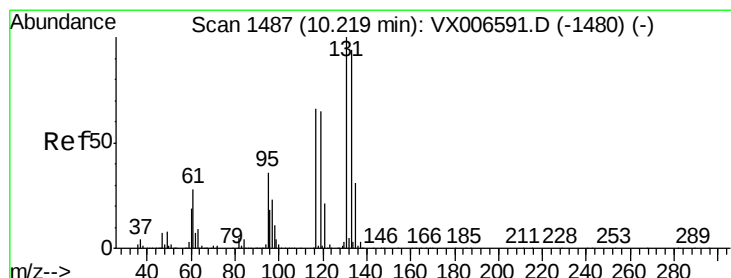
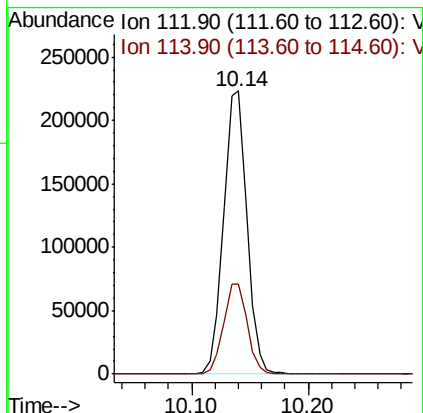
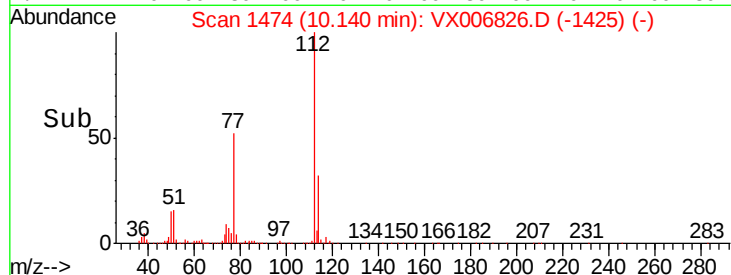
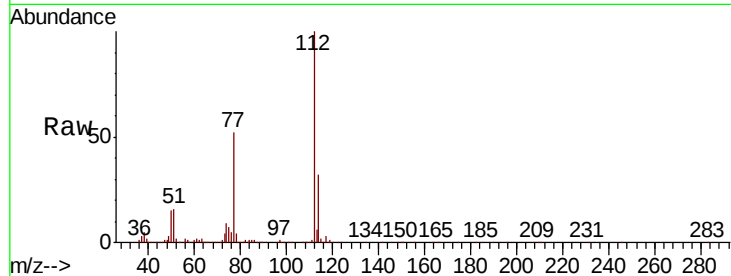
Ion Ratio Lower Upper

112 100

114 31.6 25.7 38.5

Manual Integrations
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12/27/2018 9:40:32 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.443 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

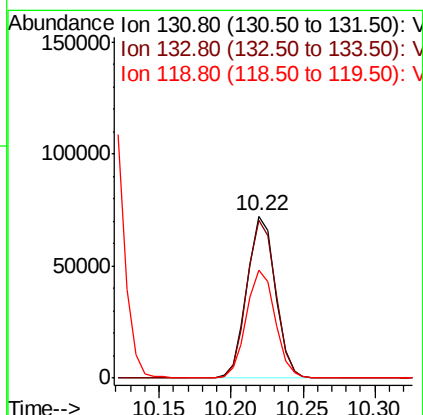
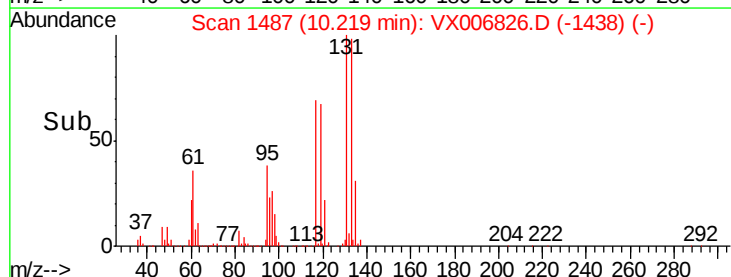
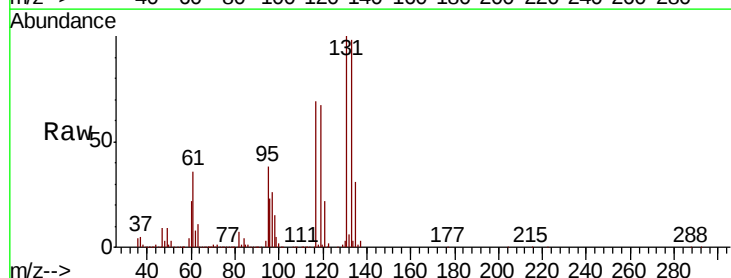
Tgt Ion:131 Resp: 98852

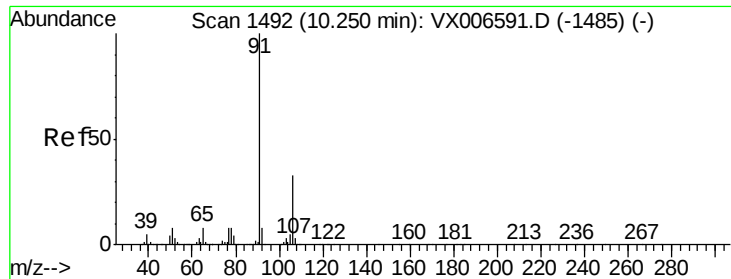
Ion Ratio Lower Upper

131 100

133 98.6 48.0 144.2

119 67.7 32.6 97.8





#67

Ethyl Benzene

Concen: 18.441 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 91 Resp: 491029

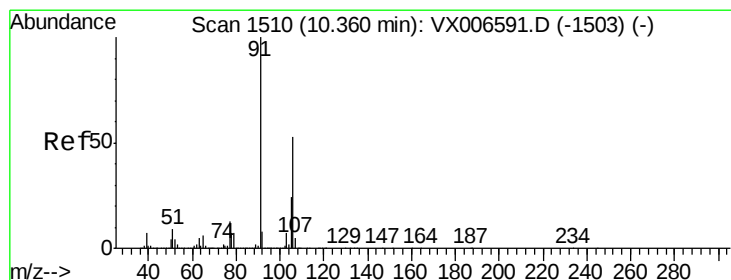
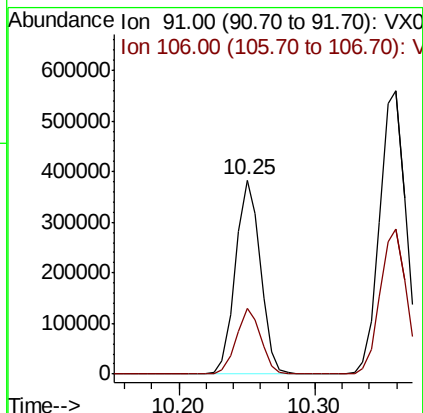
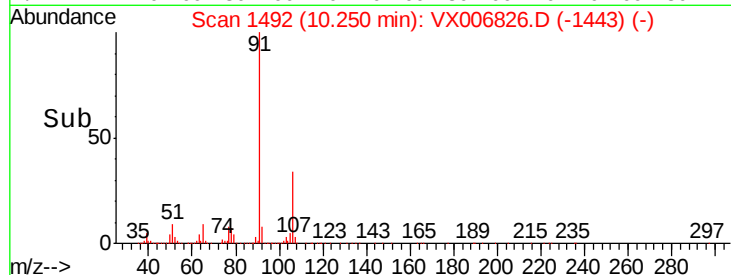
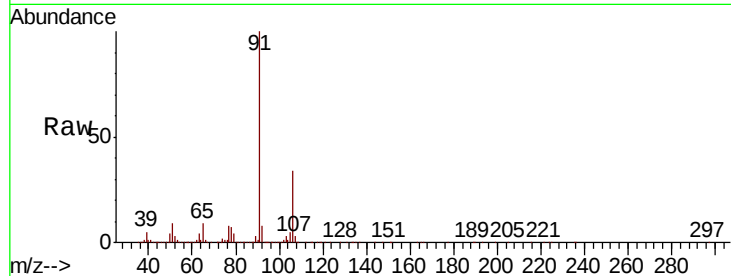
Ion Ratio Lower Upper

91 100

106 34.0 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 36.490 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006826.D

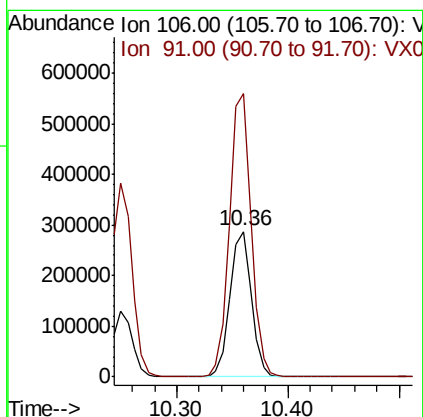
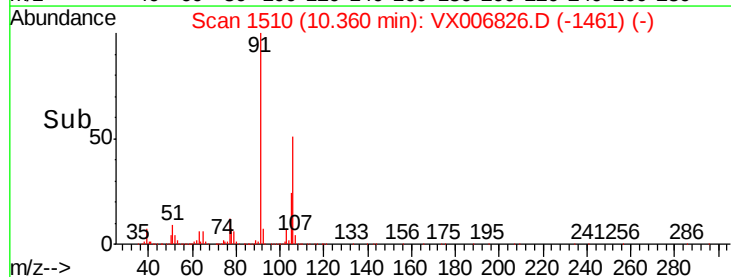
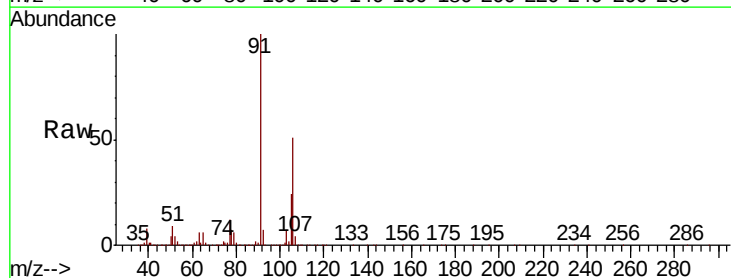
Acq: 26 Dec 2018 18:42

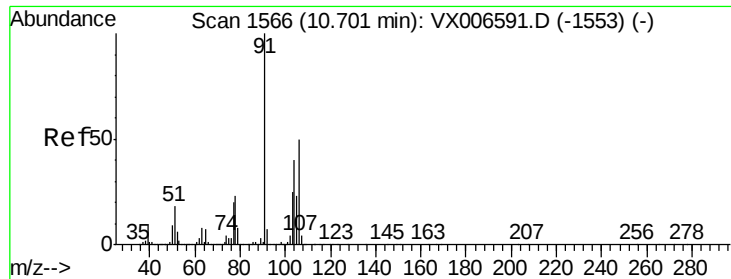
Tgt Ion: 106 Resp: 383405

Ion Ratio Lower Upper

106 100

91 196.3 155.8 233.6





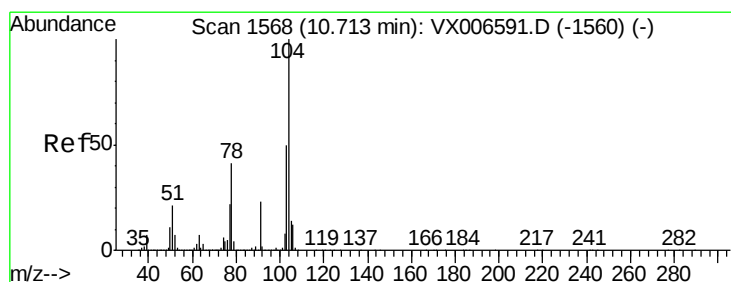
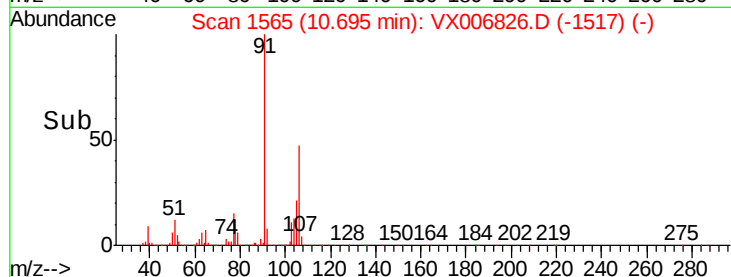
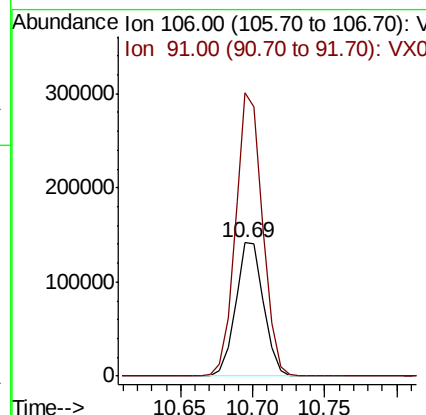
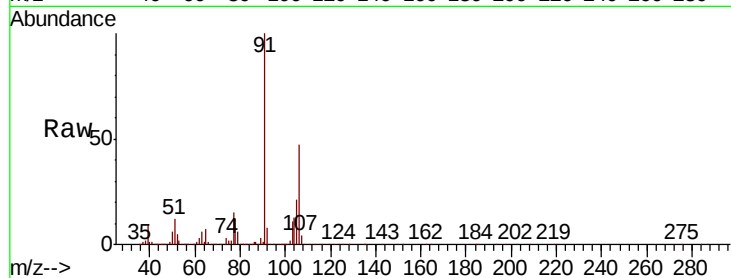
#69
o-Xylene
Concen: 18.484 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.1	101.3	303.7

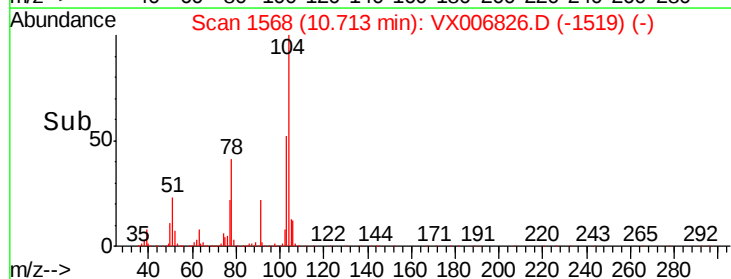
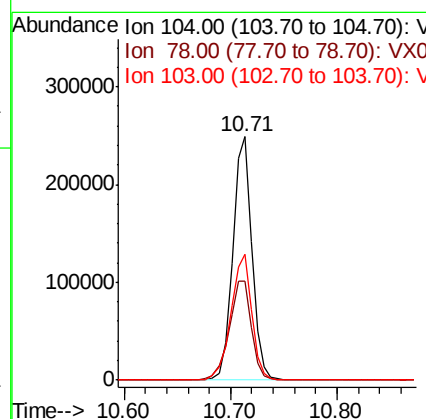
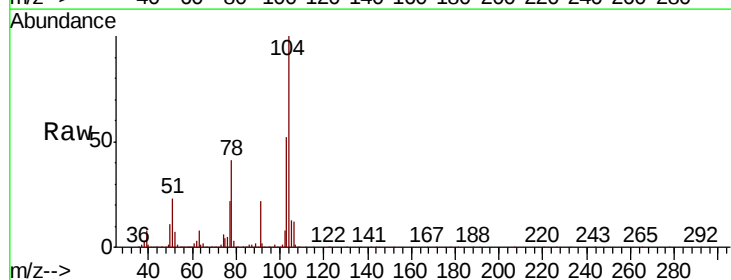
Manual Integrations
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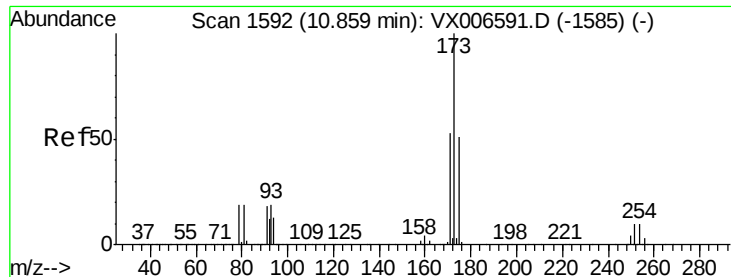
MMDadoda
12/27/2018 9:40:32 AM



#70
Styrene
Concen: 19.106 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.7	56.5
103	56.3	43.8	65.8





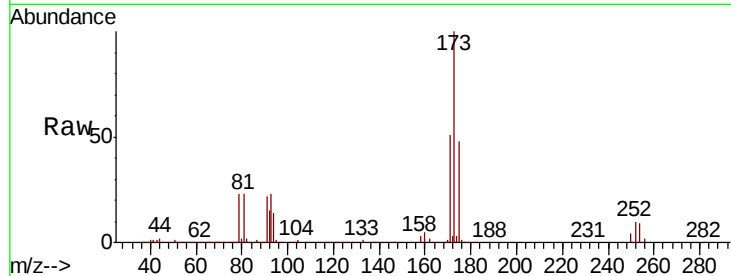
#71
Bromoform
Concen: 18.819 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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12/27/2018 9:40:32 AM

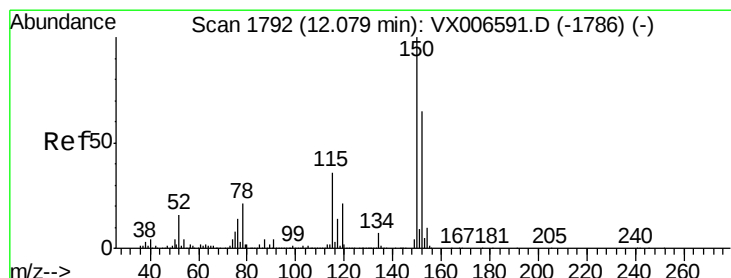
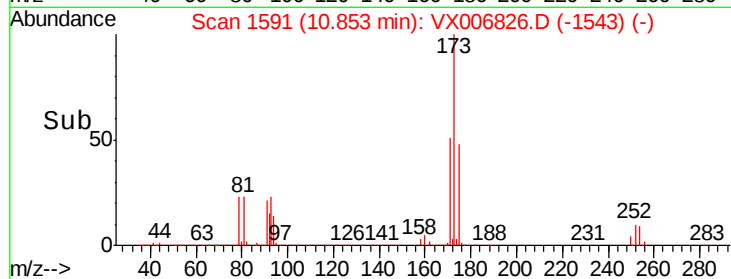
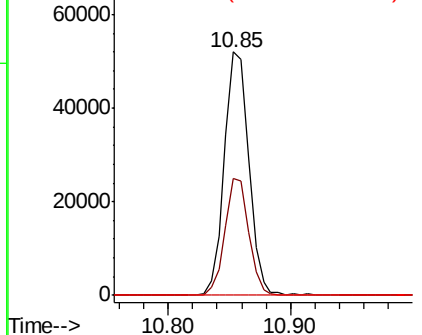


Abundance

Ion 172.70 (172.40 to 173.40): V

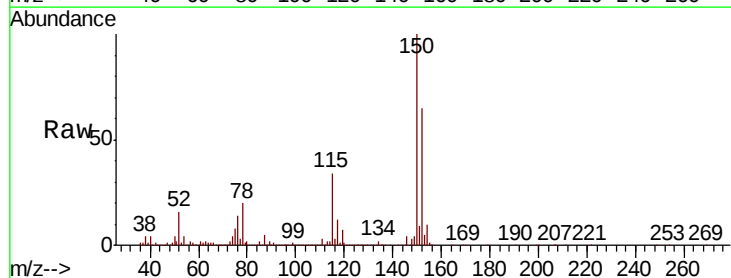
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	39.1	117.2
150	163.0	0.0	344.8

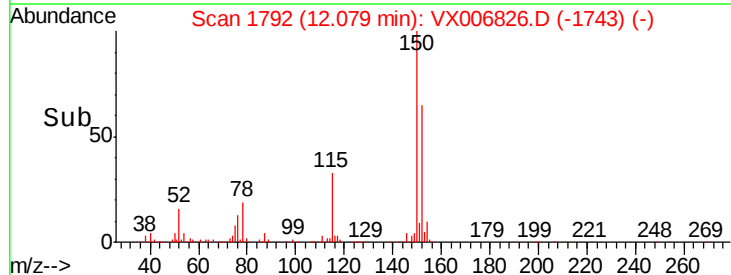
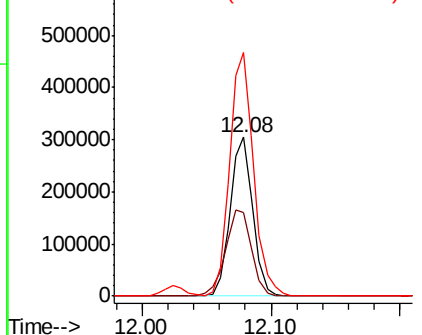


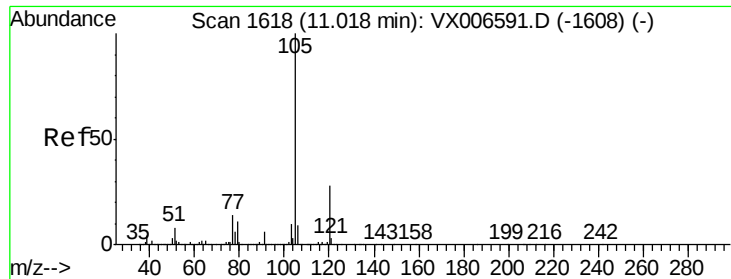
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.922 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion:105 Resp: 481955

Ion Ratio Lower Upper

105 100

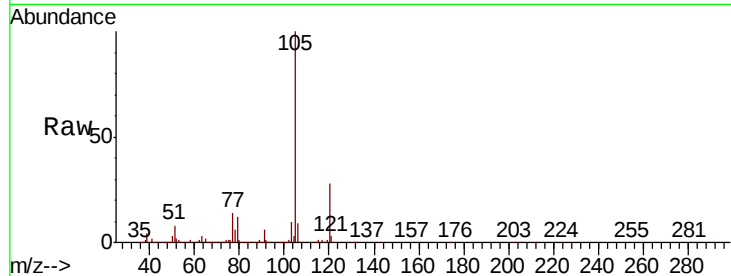
120 27.6 14.1 42.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

100000

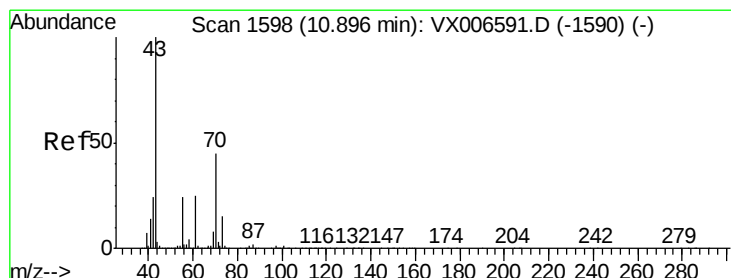
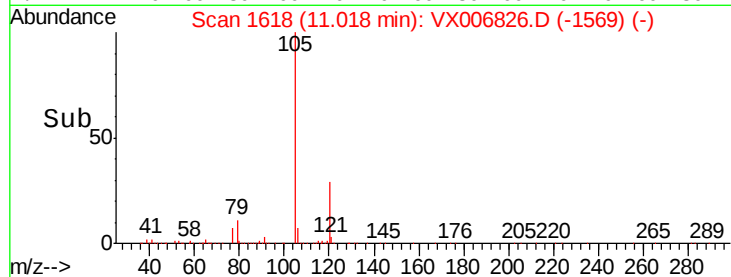
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 24.114 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion: 43 Resp: 219849

Ion Ratio Lower Upper

43 100

70 42.7 35.8 53.8

55 23.9 19.4 29.0

61 24.7 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

250000

200000

150000

100000

50000

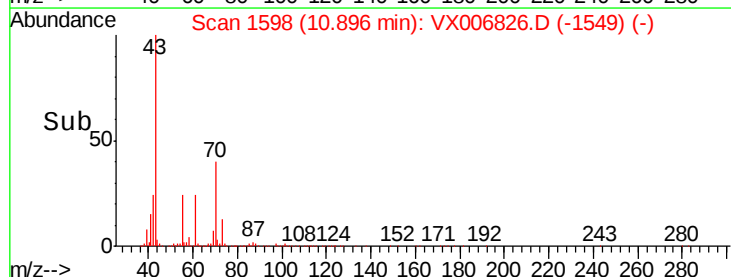
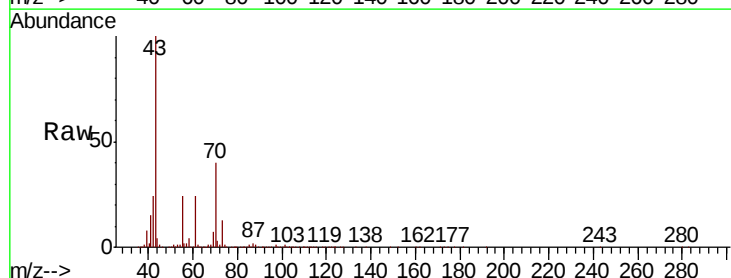
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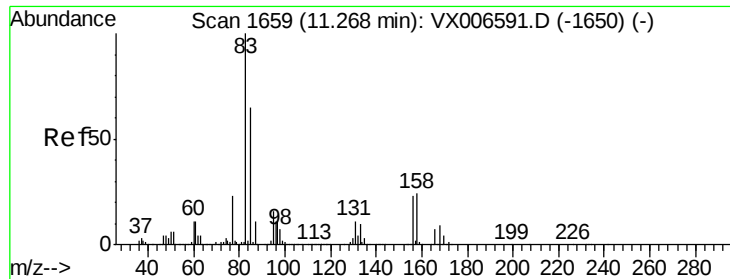
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.534 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 83 Resp: 170695

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

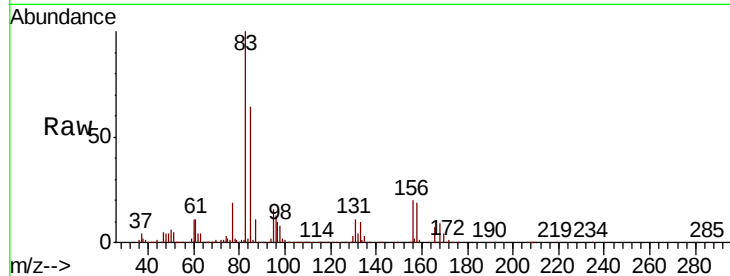
85 64.5 32.2 96.6

Manual Integrations

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MMDadoda

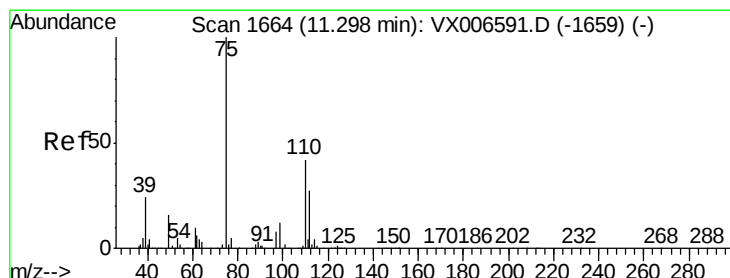
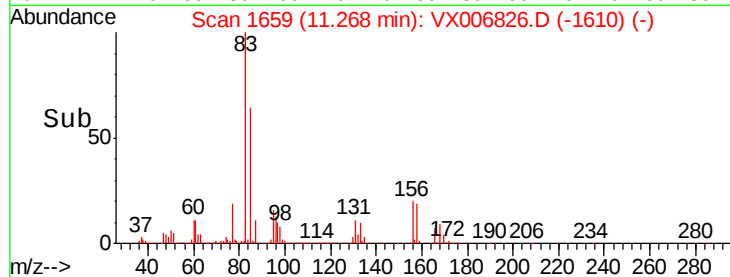
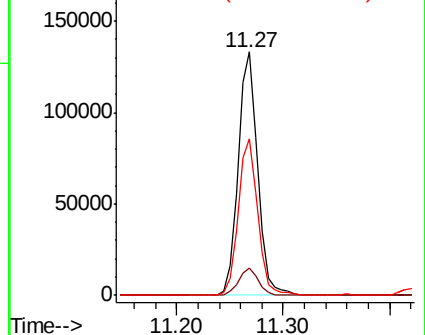
12/27/2018 9:40:32 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.703 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006826.D

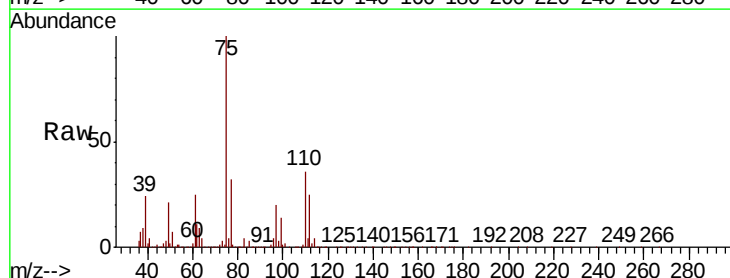
Acq: 26 Dec 2018 18:42

Tgt Ion: 75 Resp: 157082

Ion Ratio Lower Upper

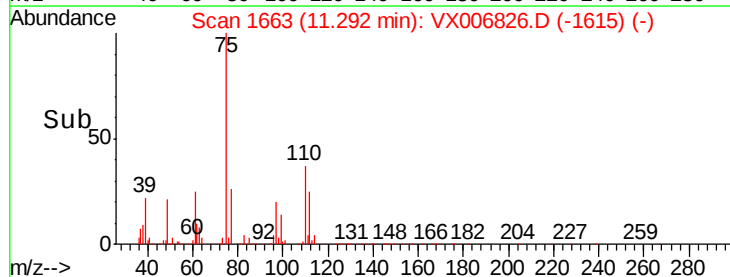
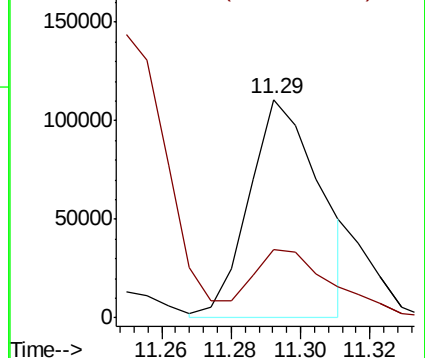
75 100

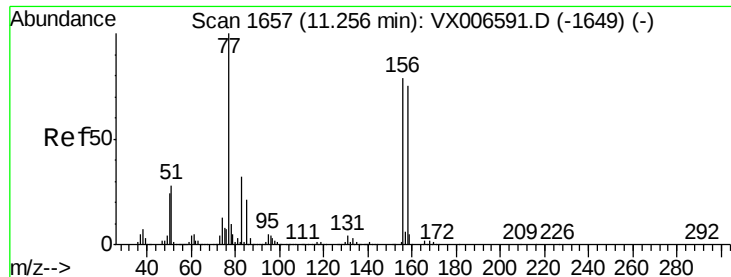
77 36.9 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.036 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

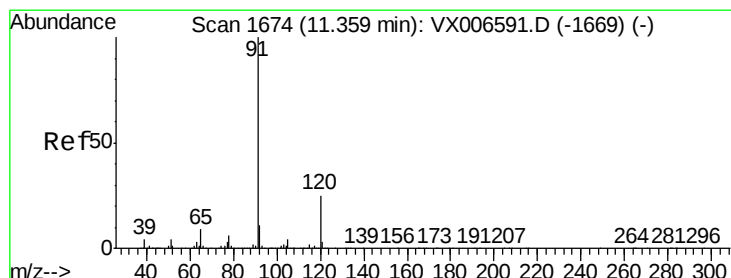
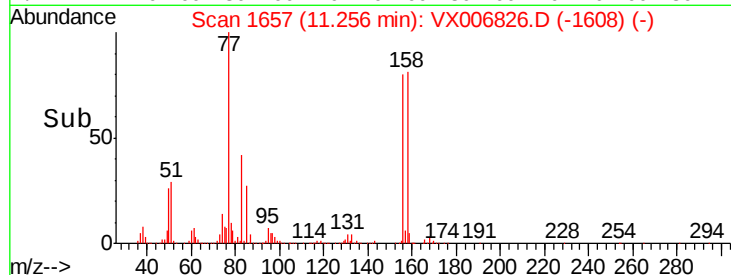
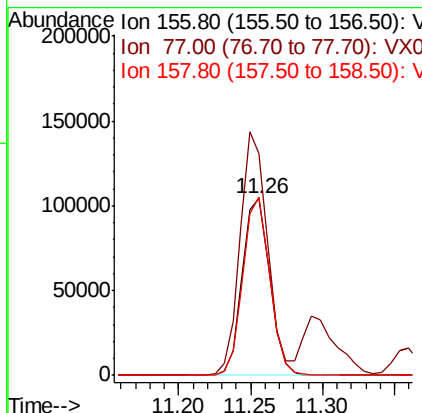
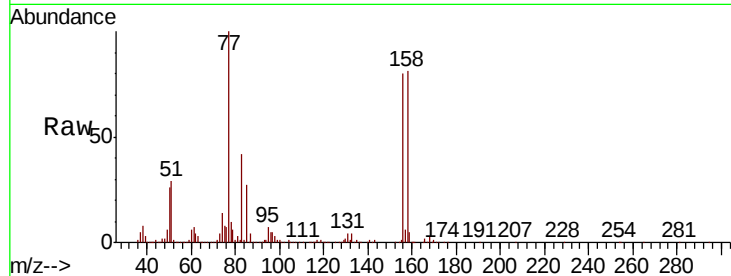
ClientSampleId :

VX1226WBSD01

Tot Ion:	156	Resp:	137971
Ion Ratio	Lower	Upper	
156	100		
77	136.4	68.0	204.0
158	98.6	48.3	144.8

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#78

n-propylbenzene

Concen: 18.583 ug/l

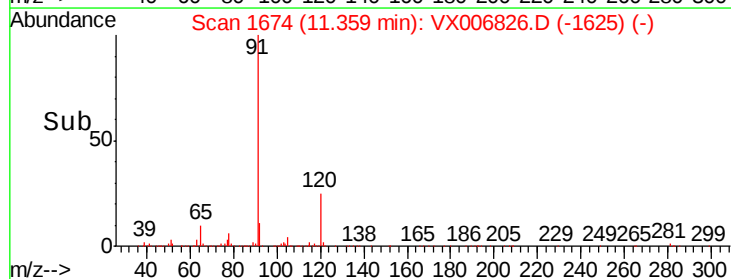
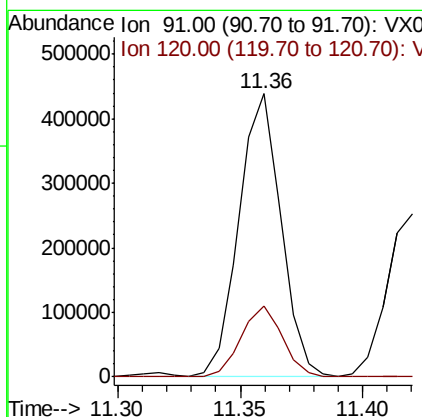
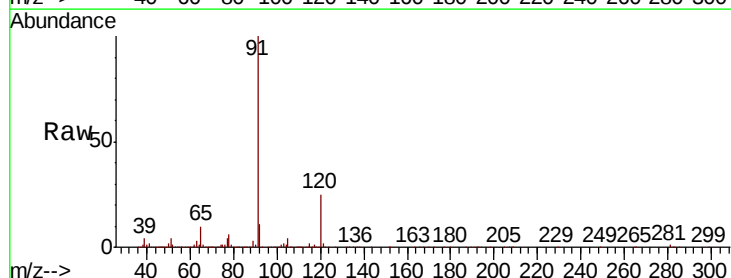
RT: 11.36 min Scan# 1674

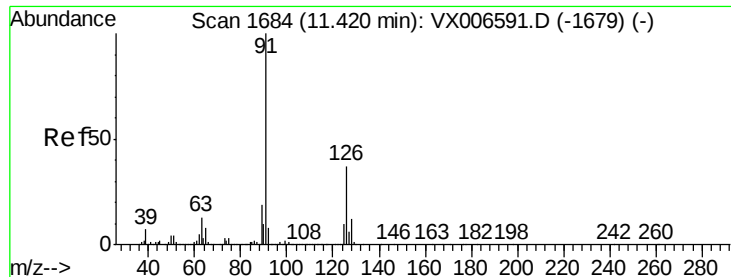
Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion:	91	Resp:	521220
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.7	38.0





#79

2-Chlorotoluene

Concen: 18.769 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBSD01

Tot Ion: 91 Resp: 319016

Ion Ratio Lower Upper

91 100

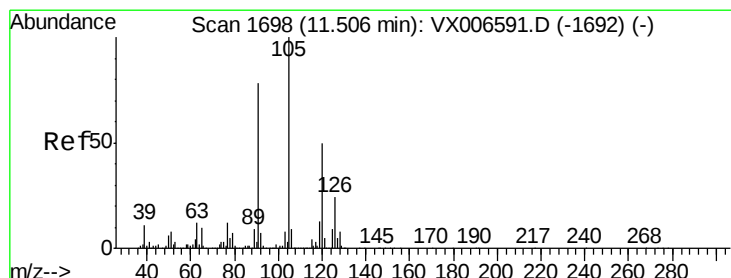
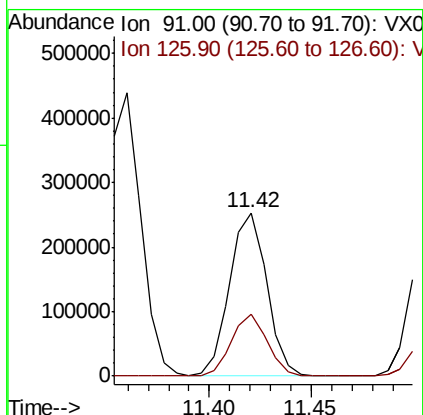
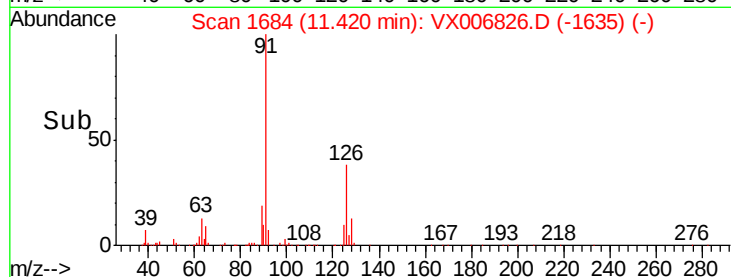
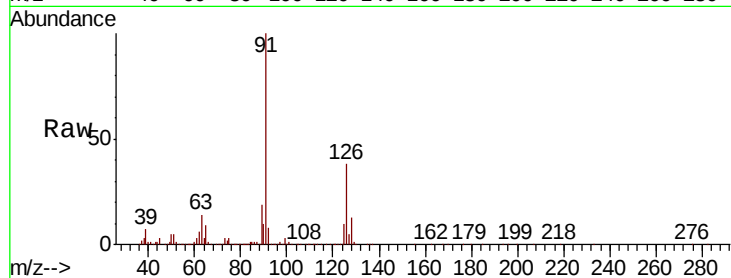
126 37.0 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 18.147 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006826.D

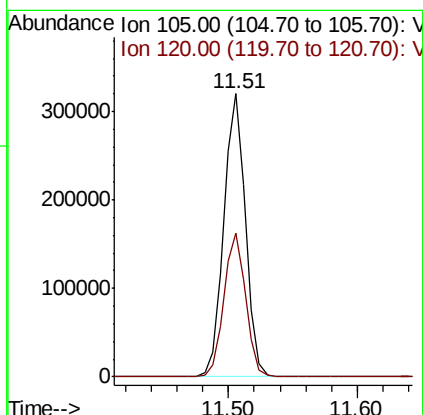
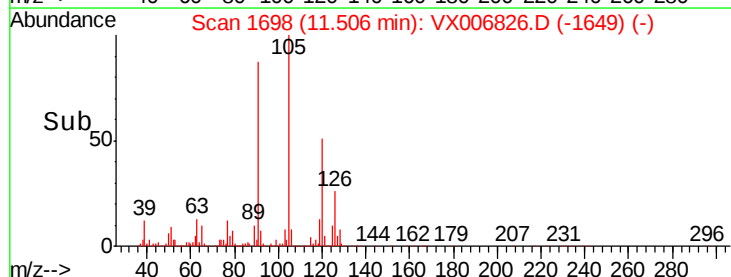
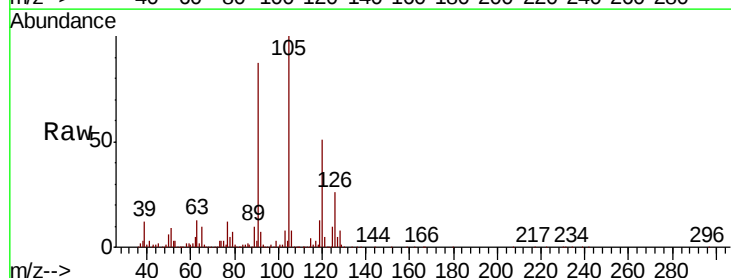
Acq: 26 Dec 2018 18:42

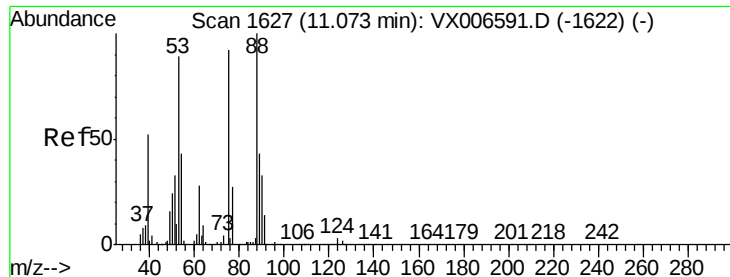
Tgt Ion: 105 Resp: 380699

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.3





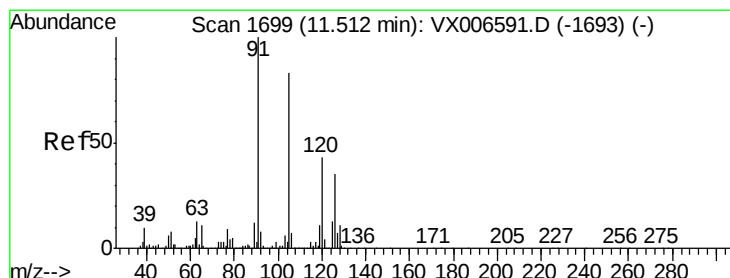
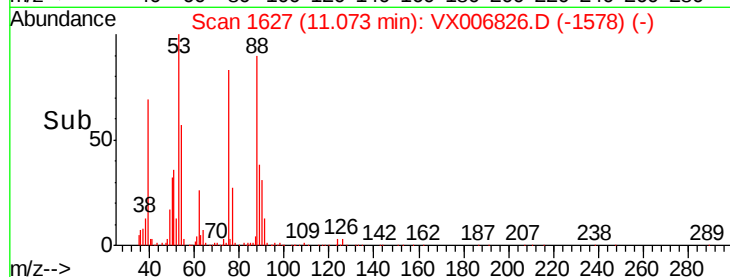
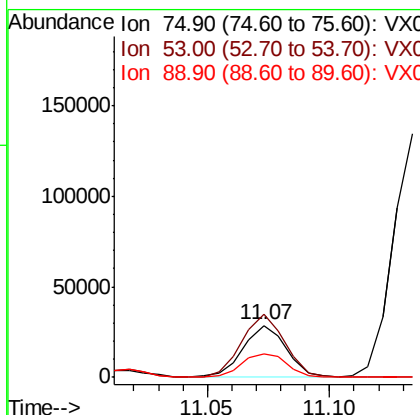
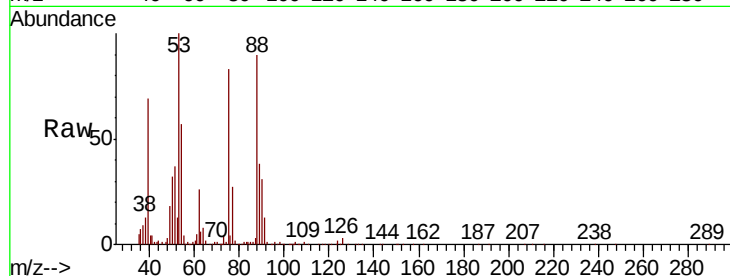
#81
trans-1,4-Dichloro-2-butene
Concen: 18.212 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.8	79.7	119.5#
89	49.7	38.0	57.0

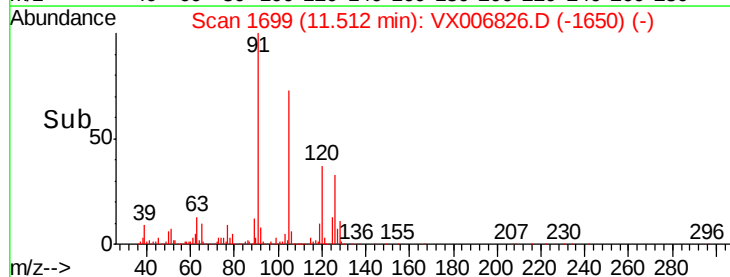
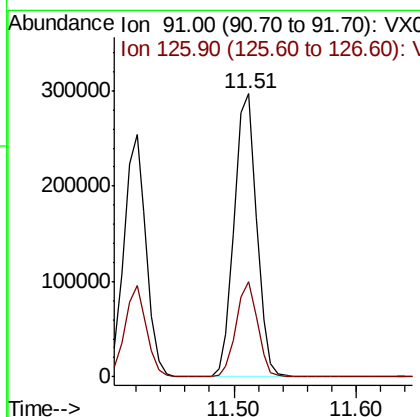
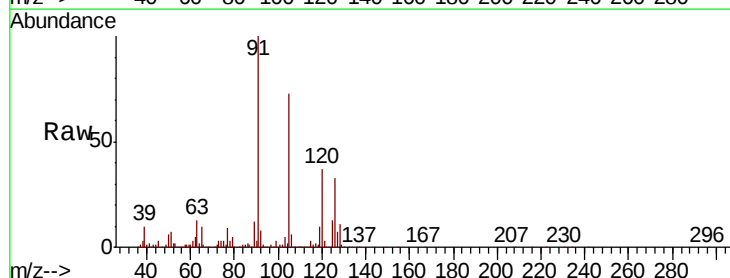
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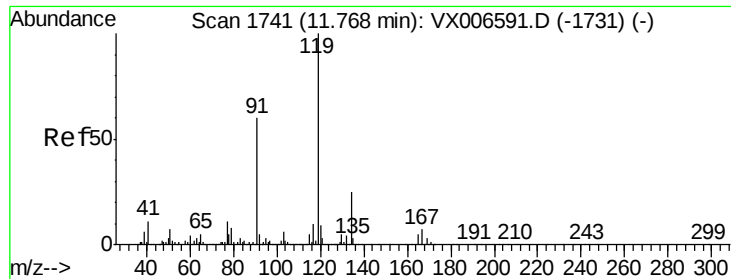
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12/27/2018 9:40:32 AM



#82
4-Chlorotoluene
Concen: 19.211 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.3	48.9





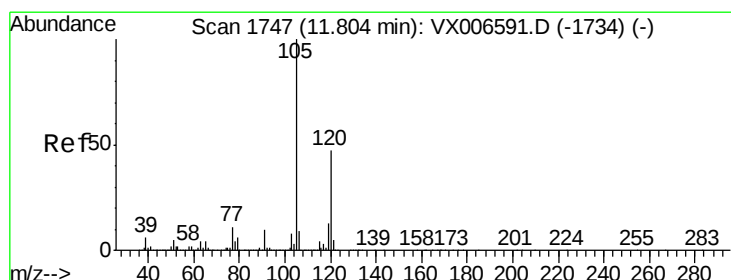
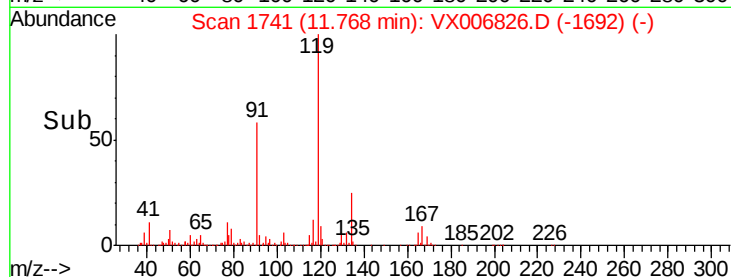
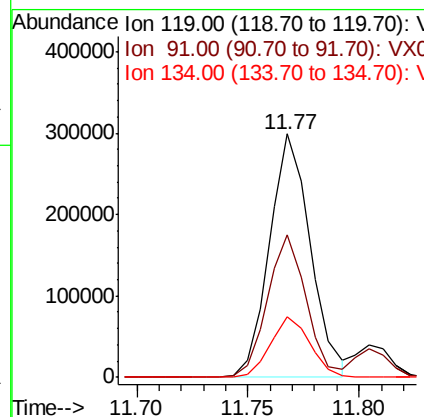
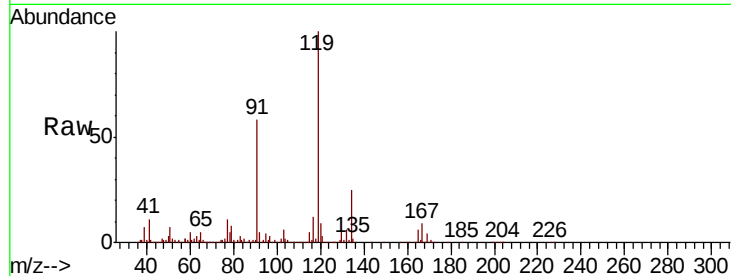
#83
tert-Butylbenzene
Concen: 18.146 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	381011		
91	55.6	27.7	83.1	
134	24.4	11.9	35.5	

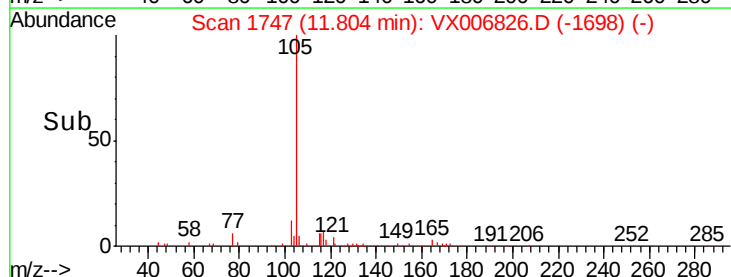
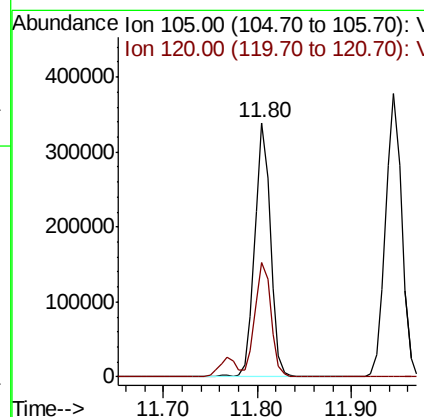
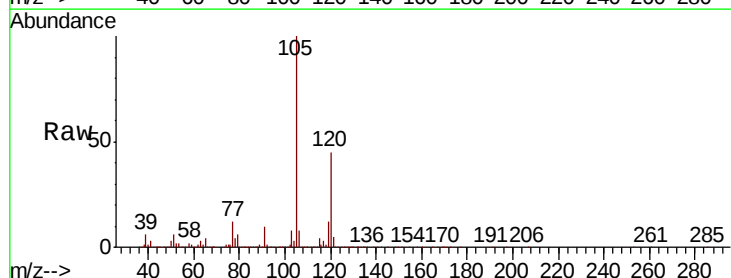
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#84
1,2,4-Trimethylbenzene
Concen: 18.008 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	397364		
120	45.6	23.2	69.6	





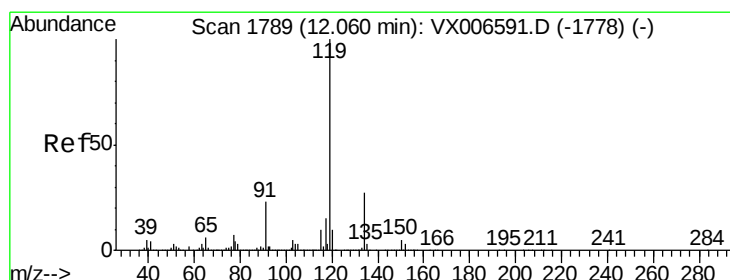
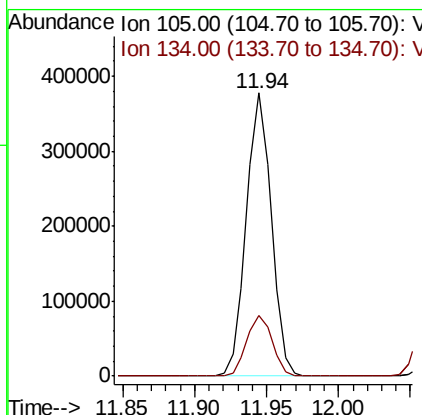
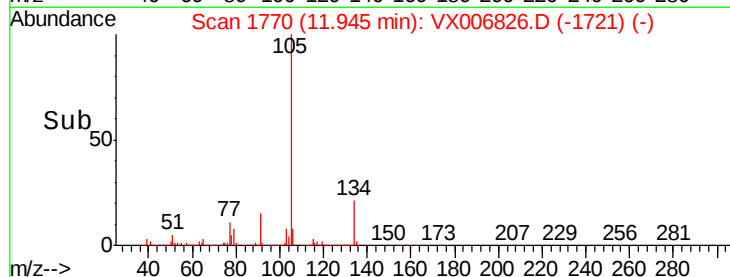
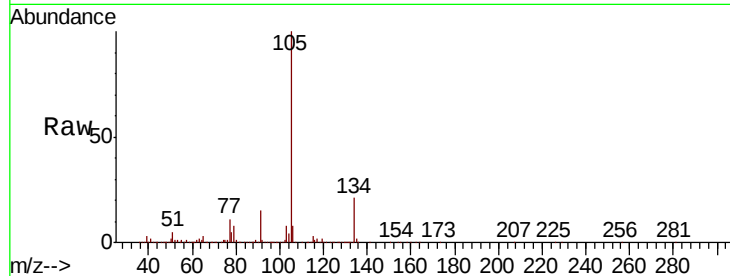
#85
 sec-Butylbenzene
 Concen: 17.606 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX006826.D
 Acq: 26 Dec 2018 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.0	10.7	31.9

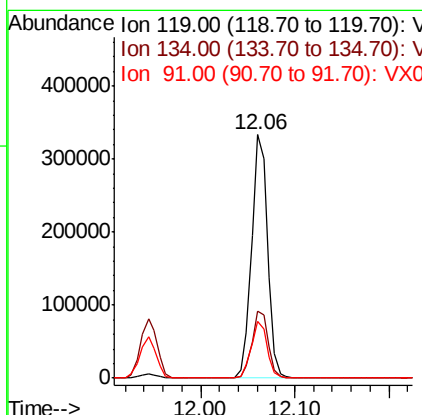
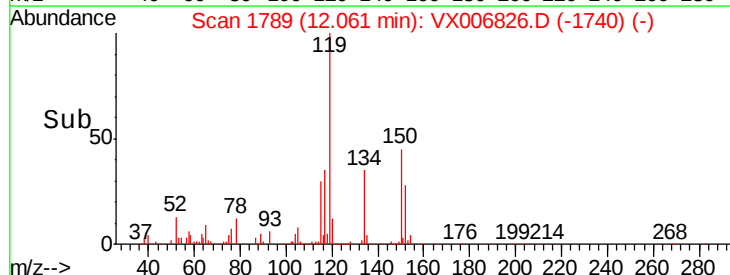
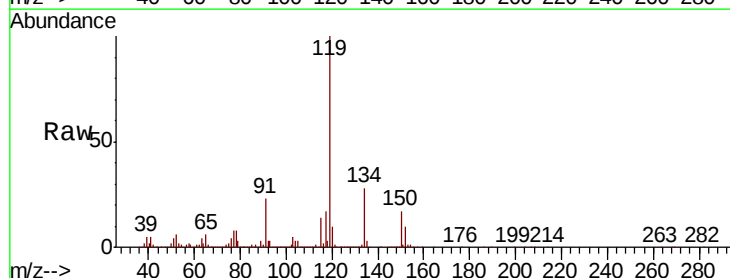
Manual Integrations
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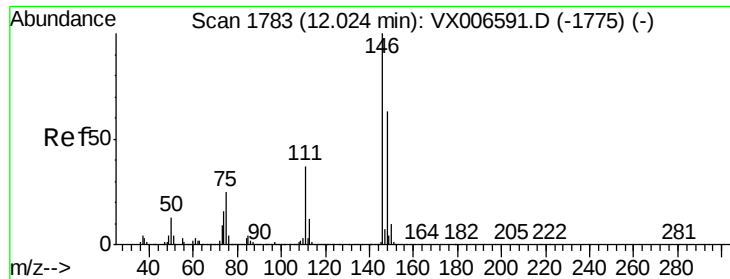
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#86
 p-Isopropyltoluene
 Concen: 17.580 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX006826.D
 Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.3	14.0	41.9
91	23.0	11.3	33.9





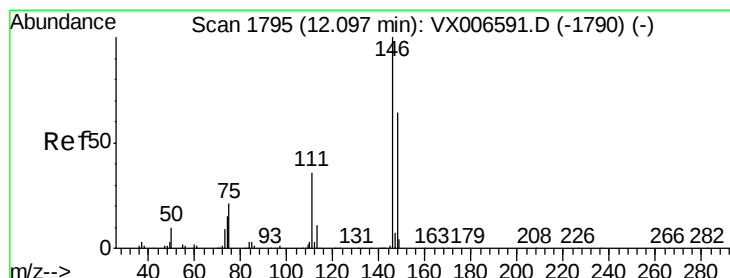
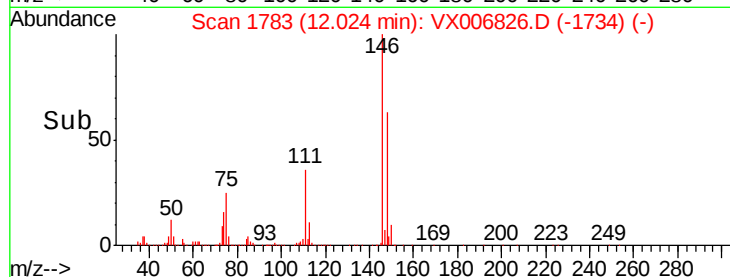
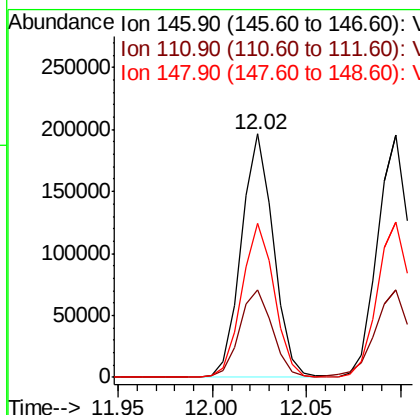
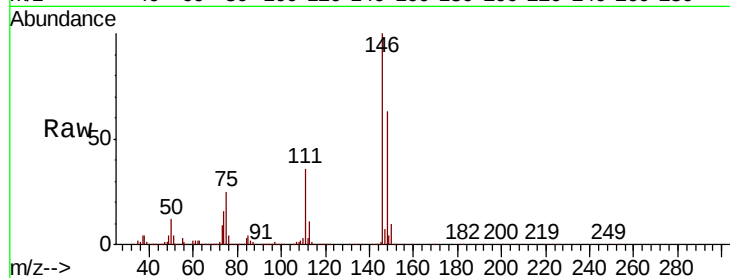
#87
 1,3-Dichlorobenzene
 Concen: 18.786 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006826.D
 Acq: 26 Dec 2018 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBSD01

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

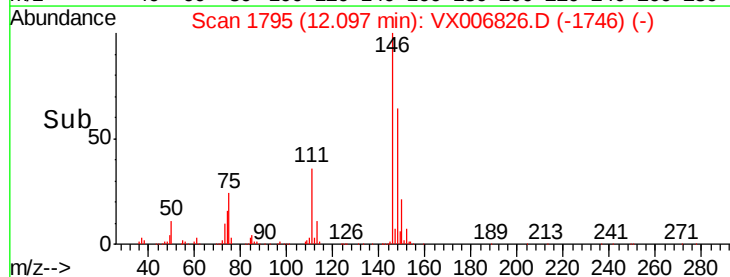
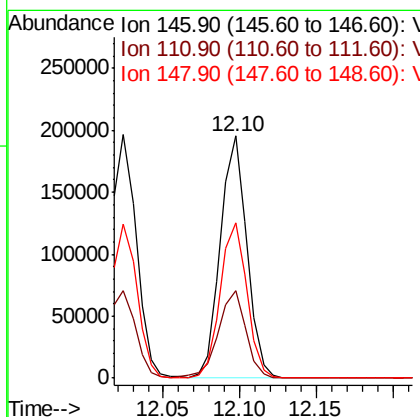
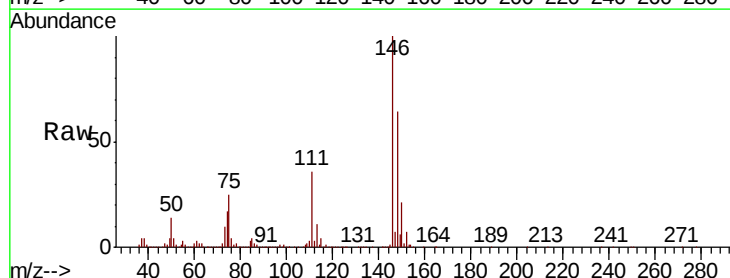
Manual Integrations
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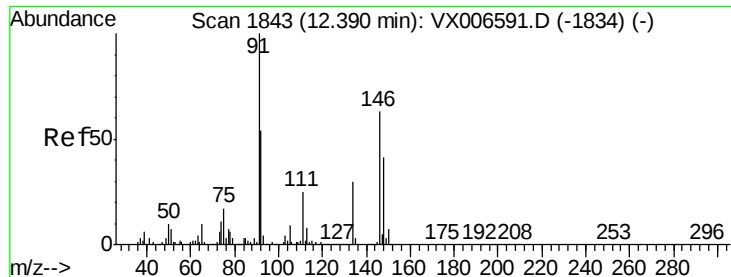
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 12/27/2018 9:40:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.479 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006826.D
 Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	64.4	31.9	95.9





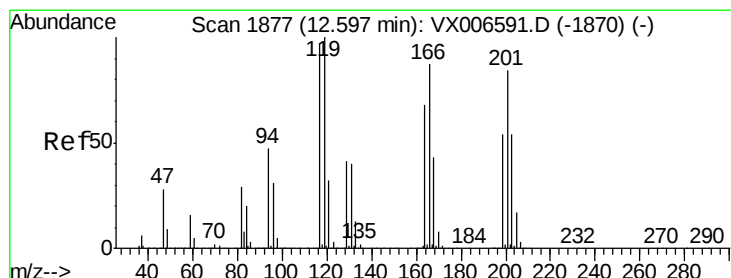
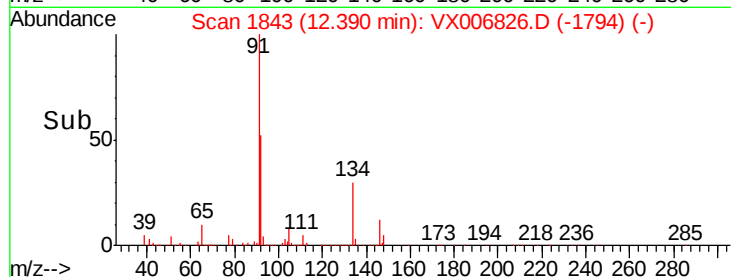
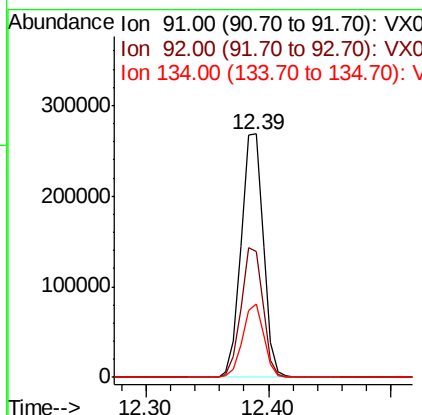
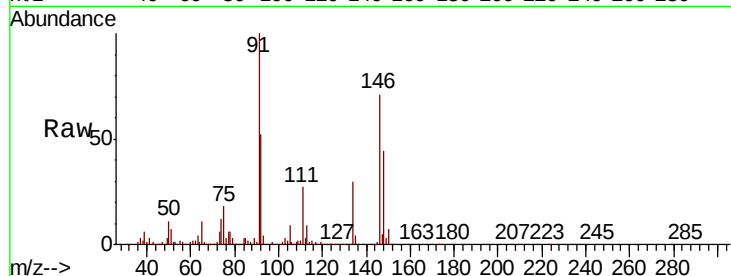
#89
n-Butylbenzene
Concen: 17.418 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.4
134	28.9	14.4	43.2

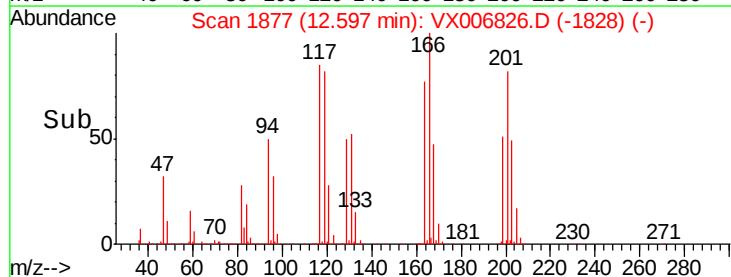
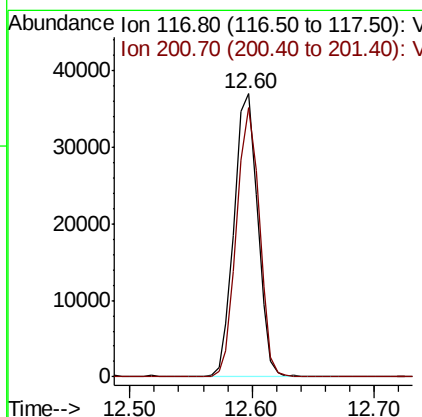
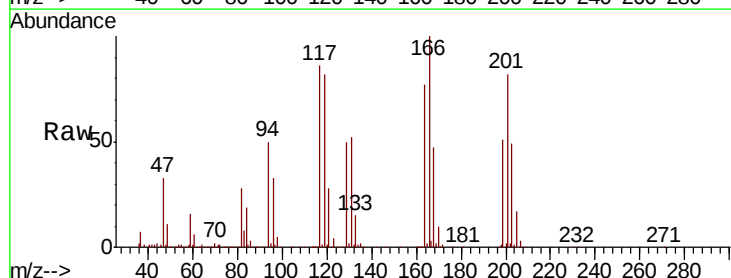
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#90
Hexachloroethane
Concen: 16.354 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 19.045 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

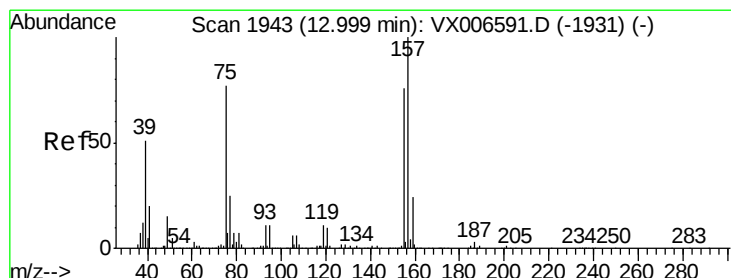
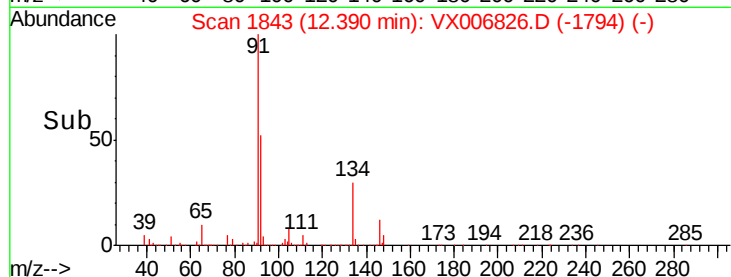
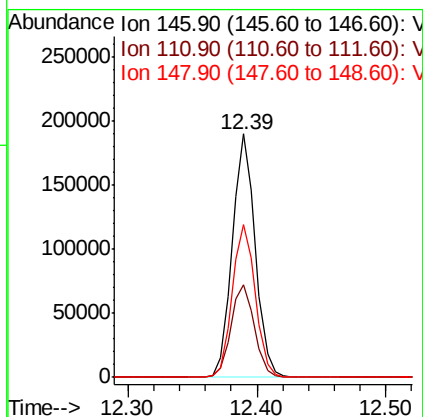
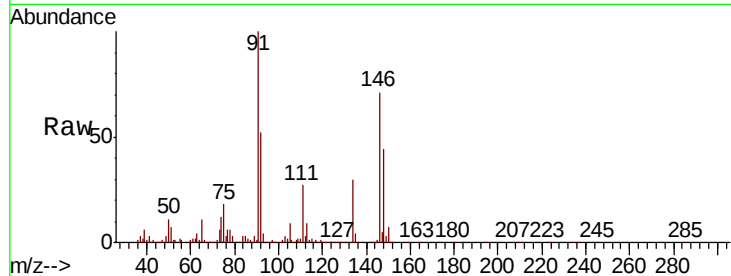
ClientSampleId :

VX1226WBSD01

Tot Ion:	146	Resp:	236440
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.4	58.2
148	63.1	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.781 ug/l

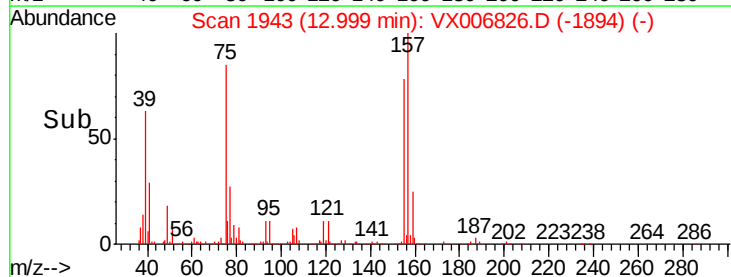
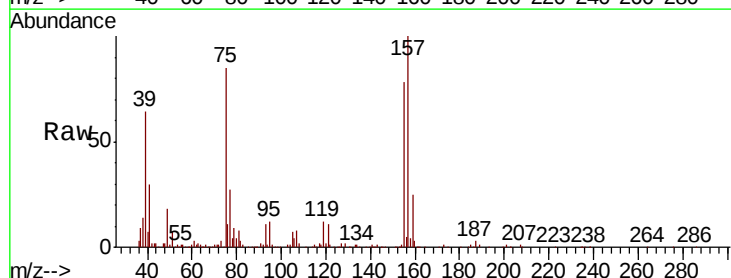
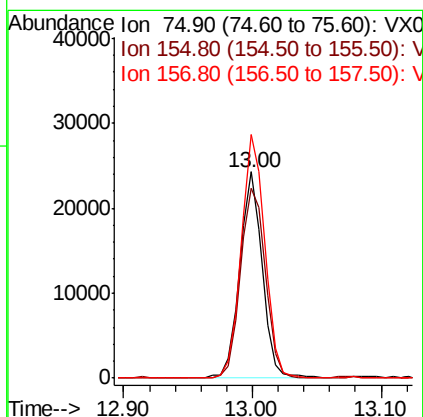
RT: 13.00 min Scan# 1943

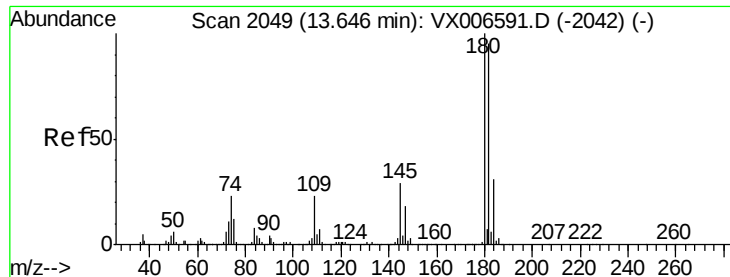
Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion:	75	Resp:	29436
Ion Ratio	Lower	Upper	
75	100		
155	100.8	50.6	151.8
157	122.5	64.6	193.8





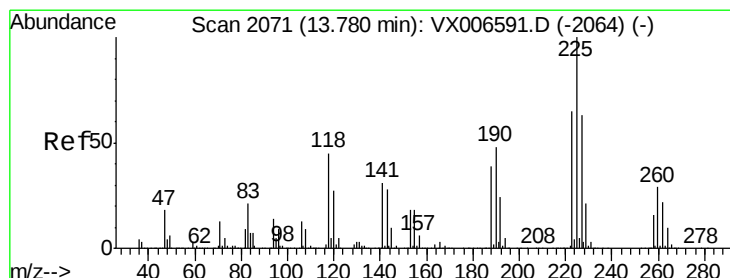
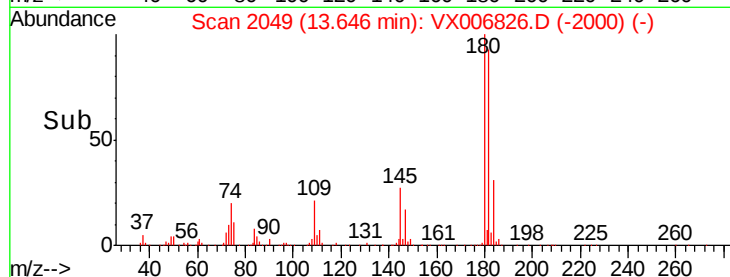
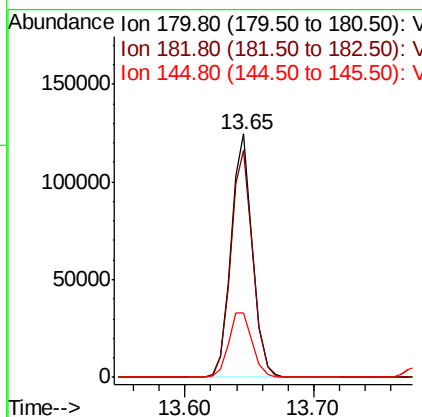
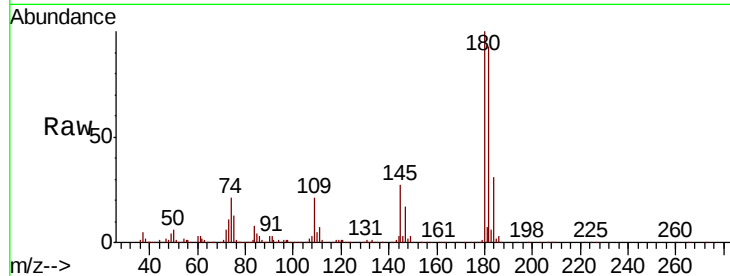
#93
1,2,4-Trichlorobenzene
Concen: 16.854 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144330		
182	96.3	47.3	142.0	
145	29.5	14.8	44.3	

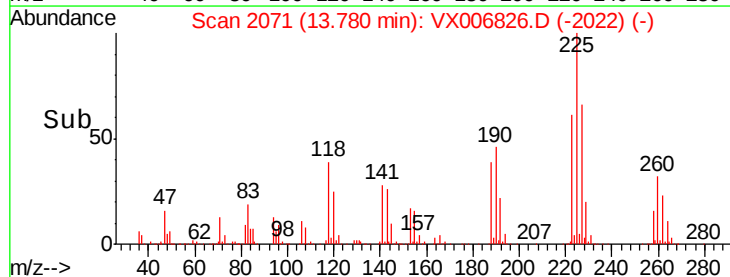
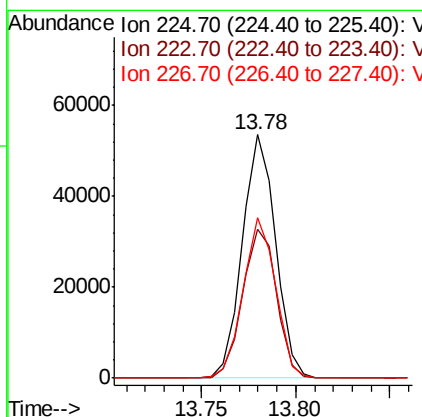
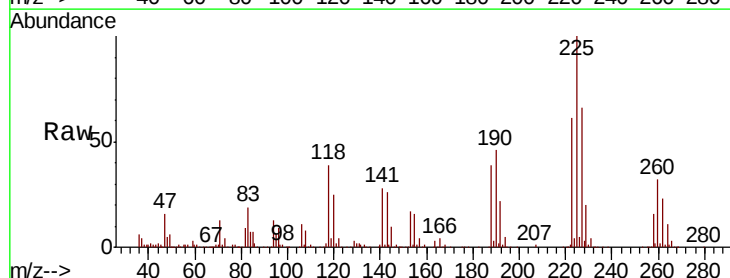
Manual Integrations
APPROVED

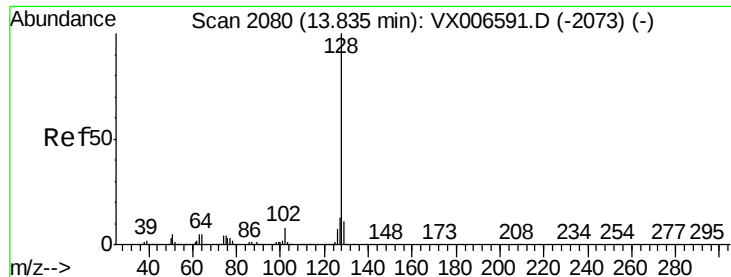
MMDadoda
12/27/2018 9:40:32 AM



#94
Hexachlorobutadiene
Concen: 16.196 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX006826.D
Acq: 26 Dec 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65373		
223	62.6	32.1	96.3	
227	64.6	32.3	96.8	





#95

Naphthalene

Concen: 15.952 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Instrument :

MSVOA_X

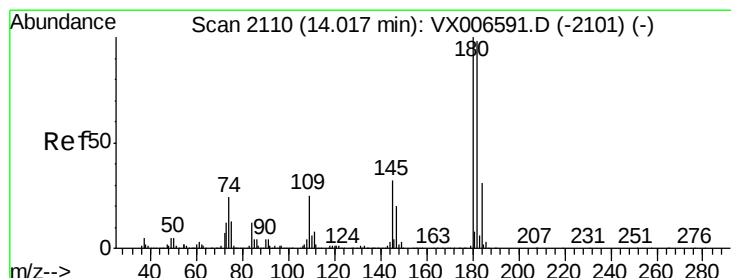
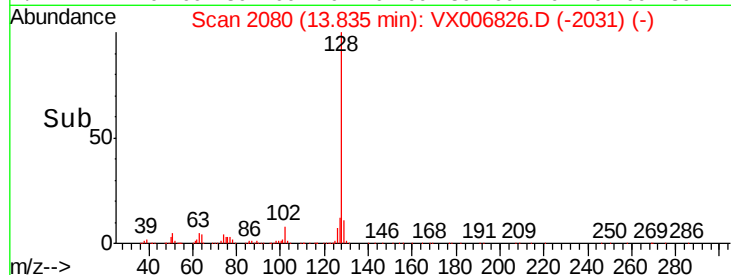
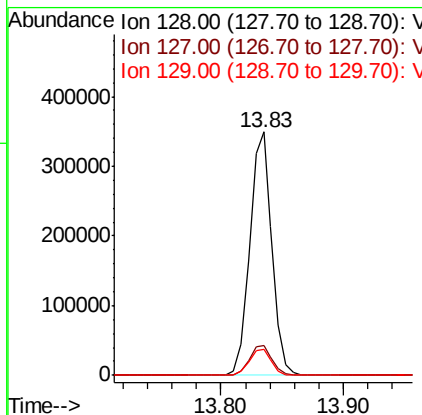
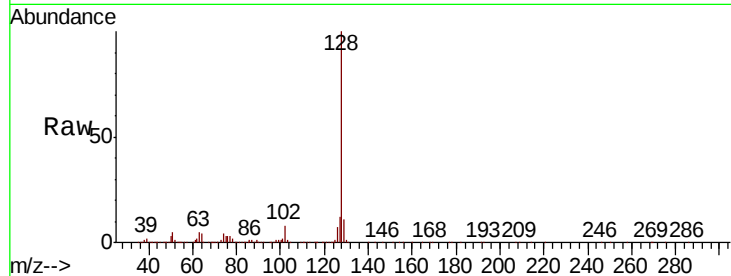
ClientSampleId :

VX1226WBSD01

Tot Ion:	128	Resp:	435989
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/27/2018 9:40:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.056 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006826.D

Acq: 26 Dec 2018 18:42

Tgt Ion:	180	Resp:	141965
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.5	145.5
145	30.4	16.0	47.9

