

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122718\
 Data File : VX006841.D
 Acq On : 27 Dec 2018 14:42
 Operator : JC/MD
 Sample : VX1227WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 10:28:14 AM

Quant Time: Dec 28 05:47:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	559342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	836101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	752298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	370111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	286130	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	5.51	113	259351	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	8.71	98	949240	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	11.13	95	343884	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	87444	17.089	ug/l	97
3) Chloromethane	1.33	50	100656	18.259	ug/l	97
4) Vinyl Chloride	1.41	62	108435	18.833	ug/l	99
5) Bromomethane	1.64	94	100519	17.461	ug/l	96
6) Chloroethane	1.71	64	71570	17.952	ug/l	97
7) Trichlorofluoromethane	1.93	101	172324	19.197	ug/l	99
8) Diethyl Ether	2.19	74	68961	19.342	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	99157	18.813	ug/l	99
10) Methyl Iodide	2.51	142	137319	18.201	ug/l	99
11) Tert butyl alcohol	3.07	59	135842	100.971	ug/l	99
12) 1,1-Dichloroethene	2.37	96	95154	19.040	ug/l	98
13) Acrolein	2.30	56	89679	98.810	ug/l	95
14) Allyl chloride	2.73	41	163770	19.468	ug/l	98
15) Acrylonitrile	3.15	53	310999	104.113	ug/l	99
16) Acetone	2.45	43	256080	92.461	ug/l	98
17) Carbon Disulfide	2.57	76	197796	14.956	ug/l	98
18) Methyl Acetate	2.78	43	196812	24.167	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	356171	21.473	ug/l	97
20) Methylene Chloride	2.86	84	115312	20.135	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	99208	17.916	ug/l	92
22) Diisopropyl ether	3.87	45	327829	21.302	ug/l	94
23) Vinyl Acetate	3.82	43	1285505	102.121	ug/l	99
24) 1,1-Dichloroethane	3.70	63	176216	19.182	ug/l	99
25) 2-Butanone	4.70	43	384844	98.784	ug/l	98
26) 2,2-Dichloropropane	4.59	77	117930	16.618	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	119017	19.481	ug/l	99
28) Bromochloromethane	5.02	49	75843	18.414	ug/l	98
29) Tetrahydrofuran	5.15	42	256978	100.151	ug/l	98
30) Chloroform	5.21	83	184530	19.397	ug/l	98
31) Cyclohexane	5.57	56	139077	16.664	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	152385	18.970	ug/l	98
36) 1,1-Dichloropropene	5.80	75	129686	18.728	ug/l	98
37) Ethyl Acetate	4.86	43	148989	20.671	ug/l	100
38) Carbon Tetrachloride	5.78	117	126714	18.829	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	138208	15.160	ug/l	99
40) Benzene	6.14	78	415895	19.758	ug/l	99
41) Methacrylonitrile	5.06	41	85279	22.286	ug/l	99
42) 1,2-Dichloroethane	6.20	62	143643	20.027	ug/l	100
43) Isopropyl Acetate	6.46	43	239136	21.806	ug/l	99
44) Trichloroethene	7.21	130	118753	18.640	ug/l	97
45) 1,2-Dichloropropane	7.51	63	103377	20.182	ug/l	98
46) Dibromomethane	7.66	93	75822	20.124	ug/l	99
47) Bromodichloromethane	7.90	83	122316	19.554	ug/l	94
48) Methyl methacrylate	7.77	41	121608	21.806	ug/l	96
49) 1,4-Dioxane	7.75	88	53615	354.612	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	769732	110.313	ug/l	98
52) Toluene	8.79	92	271397	19.958	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	130057	19.386	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	146665	19.924	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	115318	20.718	ug/l	99
56) Ethyl methacrylate	9.18	69	170777	21.708	ug/l	97
57) 1,3-Dichloropropane	9.37	76	182822	20.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	429306	102.659	ug/l	99
59) 2-Hexanone	9.49	43	567434	106.286	ug/l	99
60) Dibromochloromethane	9.59	129	104852	19.498	ug/l	96
61) 1,2-Dibromoethane	9.67	107	120588	20.380	ug/l	99
64) Tetrachloroethene	9.34	164	111297	18.683	ug/l	96
65) Chlorobenzene	10.14	112	313071	19.671	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	106205	21.388	ug/l	97
67) Ethyl Benzene	10.25	91	506965	19.493	ug/l	99
68) m/p-Xylenes	10.36	106	399479	38.927	ug/l	99
69) o-Xylene	10.70	106	200077	19.744	ug/l	98
70) Styrene	10.71	104	321935	20.080	ug/l	99
71) Bromoform	10.85	173	72882	19.280	ug/l	98
73) Isopropylbenzene	11.02	105	496107	19.593	ug/l	100
74) N-amyl acetate	10.90	43	213056	23.508	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	166538	22.116	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	153093m	22.258	ug/l	
77) Bromobenzene	11.26	156	144685	21.136	ug/l	99
78) n-propylbenzene	11.36	91	547822	19.648	ug/l	99
79) 2-Chlorotoluene	11.42	91	334390	19.790	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	398932	19.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36267	18.920	ug/l	90
82) 4-Chlorotoluene	11.51	91	386142	19.923	ug/l	100
83) tert-Butylbenzene	11.77	119	395503	18.948	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	417778	19.045	ug/l	100
85) sec-Butylbenzene	11.94	105	458582	17.919	ug/l	100
86) p-Isopropyltoluene	12.06	119	410469	18.247	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	245525	19.901	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	244886	19.363	ug/l	99
89) n-Butylbenzene	12.38	91	330318	17.254	ug/l	99
90) Hexachloroethane	12.60	117	53131	17.390	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	246321	19.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29878	19.176	ug/l	98

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

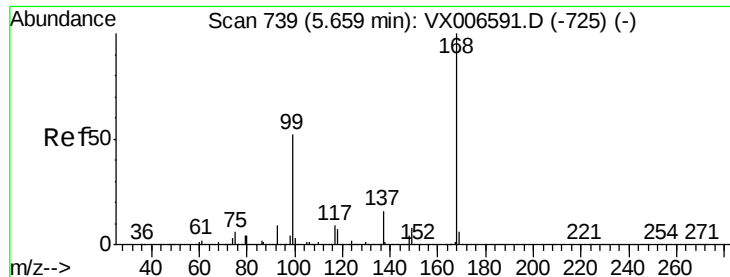
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	146979	17.265	ug/l	98
94) Hexachlorobutadiene	13.78	225	63445	15.812	ug/l	97
95) Naphthalene	13.83	128	487008	17.924	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149926	17.057	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion:168 Resp: 559342

Ion Ratio Lower Upper

168 100

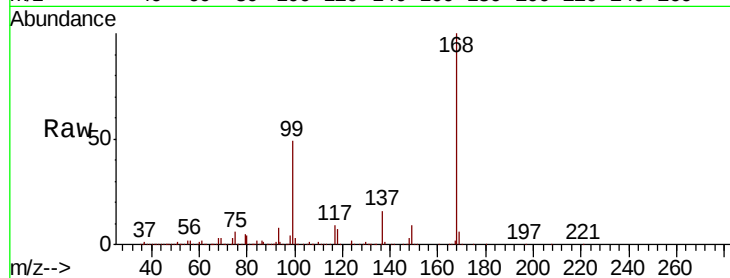
99 48.5 41.8 62.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

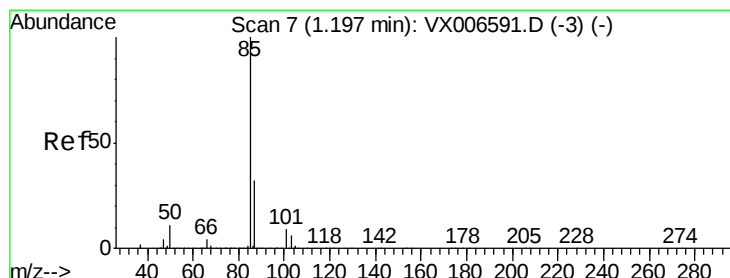
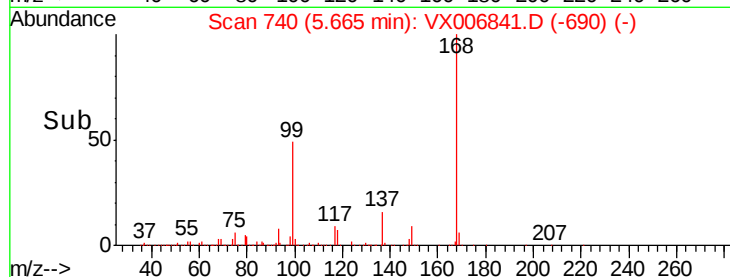
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.089 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006841.D

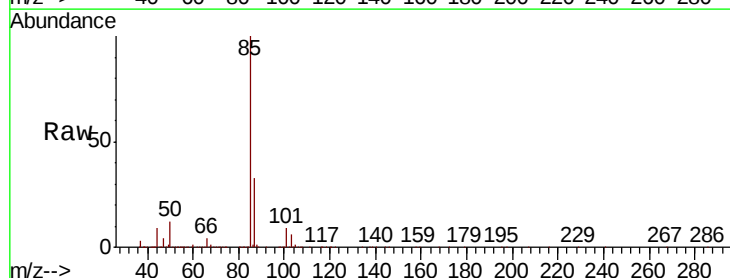
Acq: 27 Dec 2018 14:42

Tgt Ion: 85 Resp: 87444

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

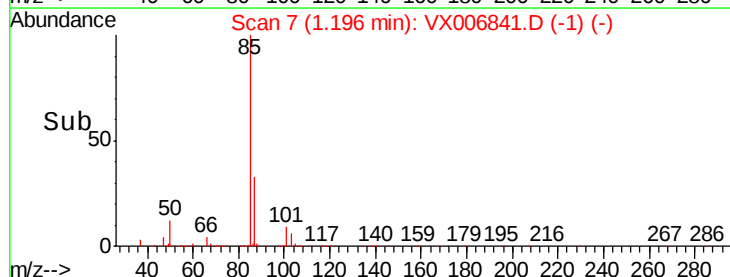
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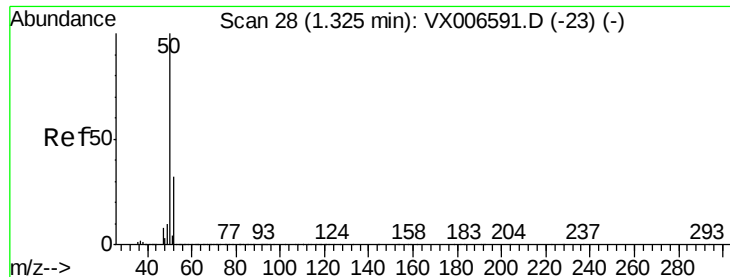
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Time-->





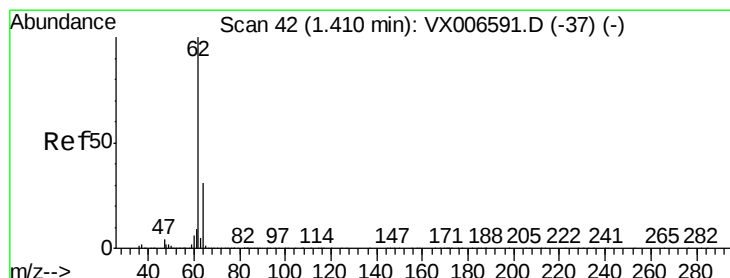
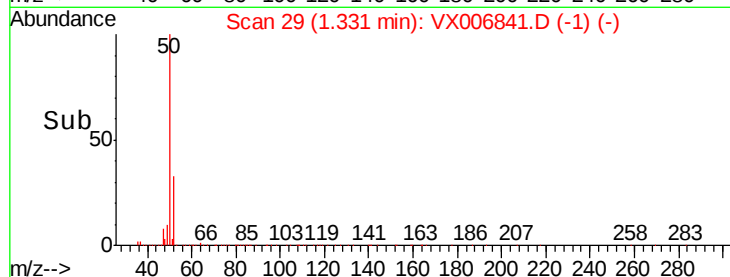
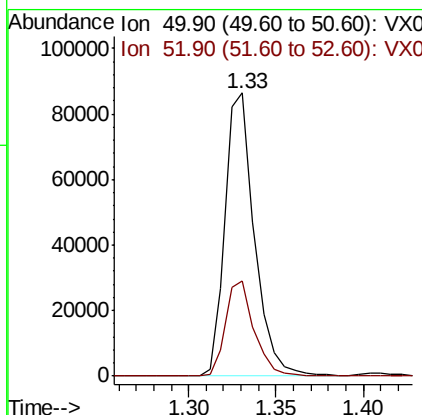
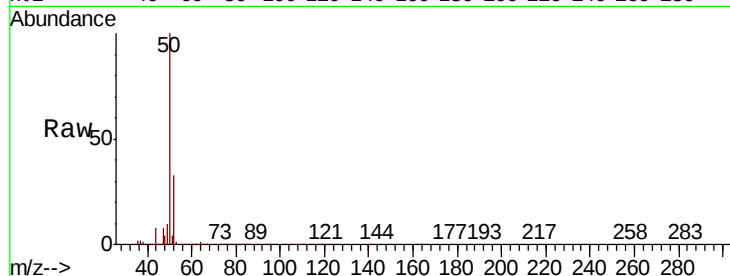
#3
Chloromethane
Concen: 18.259 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.4	38.2

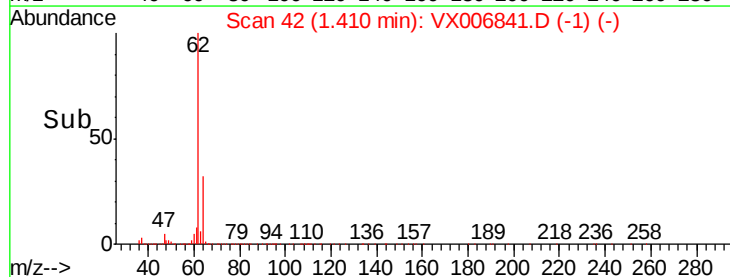
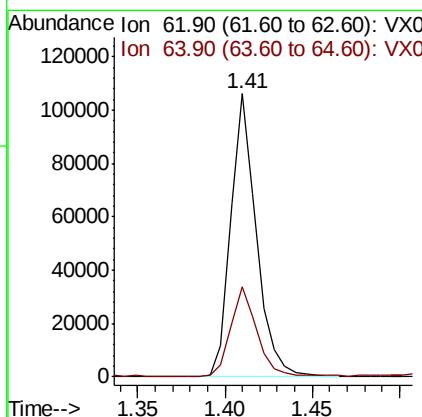
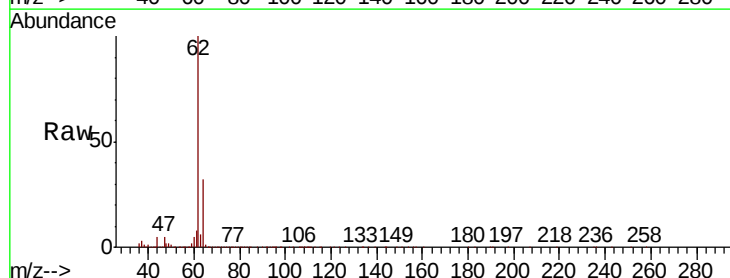
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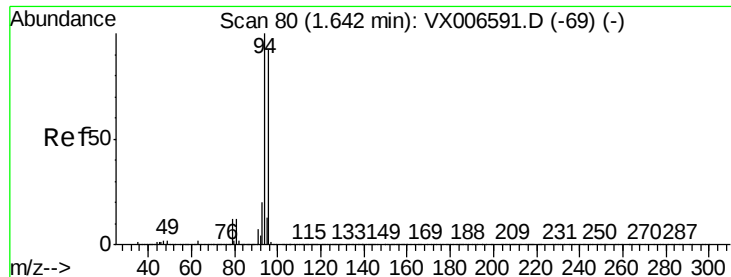
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#4
Vinyl Chloride
Concen: 18.833 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.1	37.7





#5

Bromomethane

Concen: 17.461 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 94 Resp: 100519

Ion Ratio Lower Upper

94 100

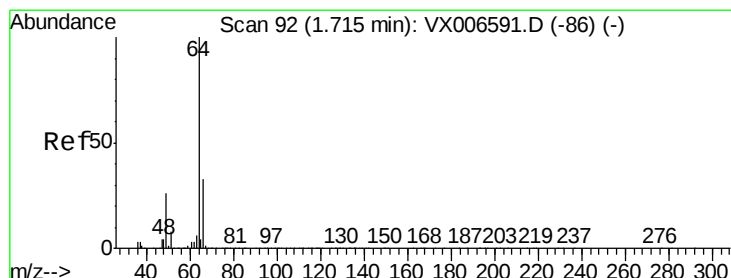
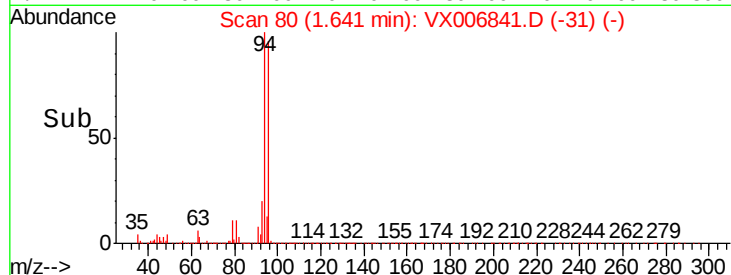
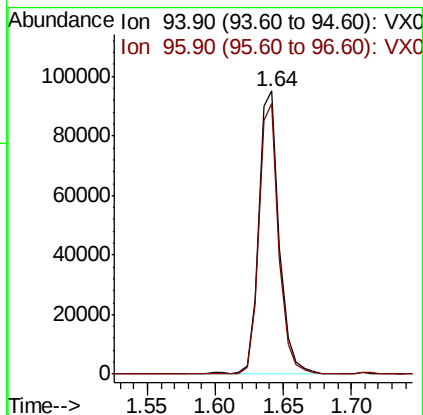
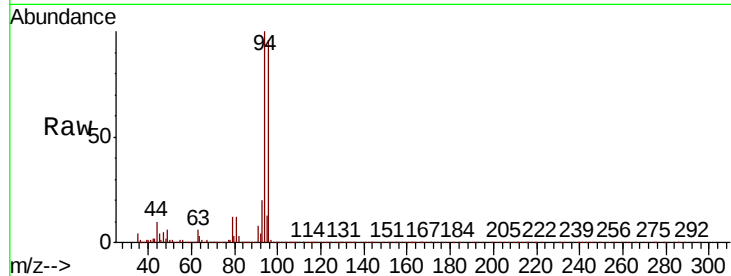
96 95.5 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 17.952 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006841.D

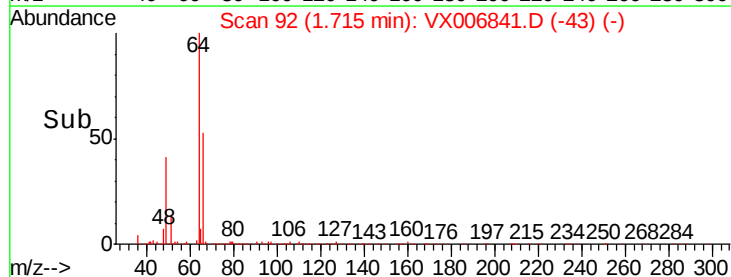
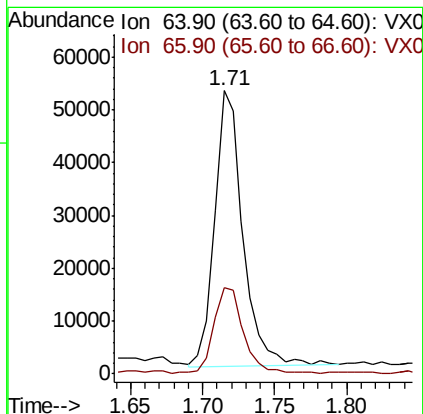
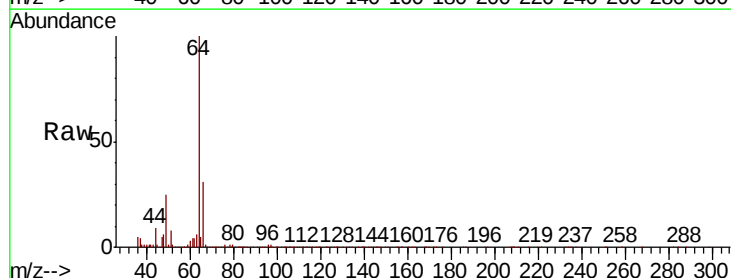
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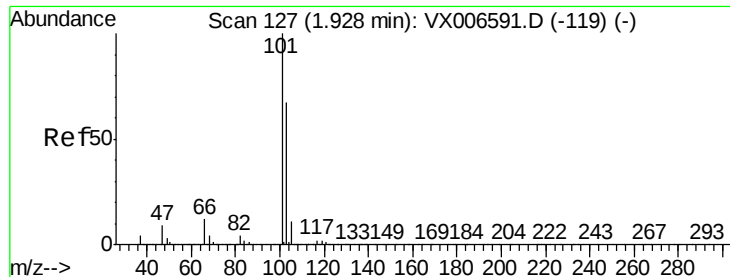
Tgt Ion: 64 Resp: 71570

Ion Ratio Lower Upper

64 100

66 31.2 26.4 39.6





#7

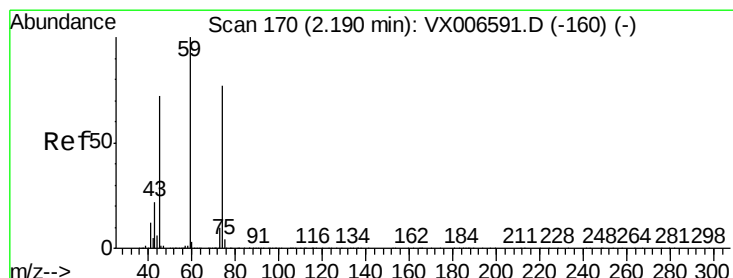
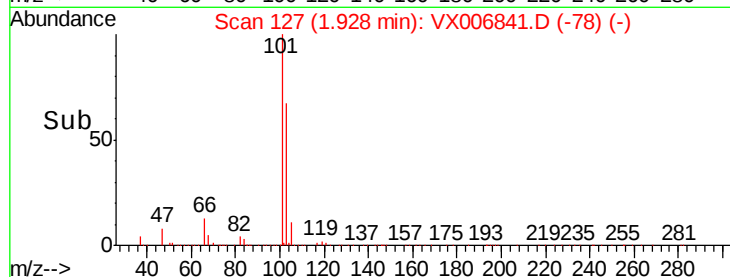
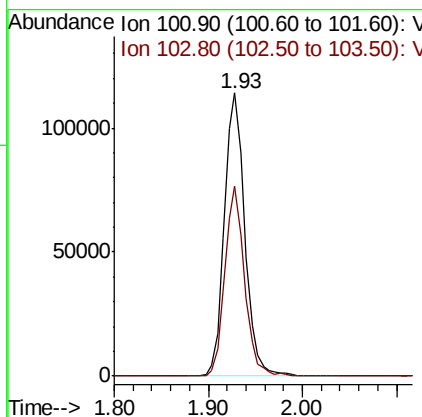
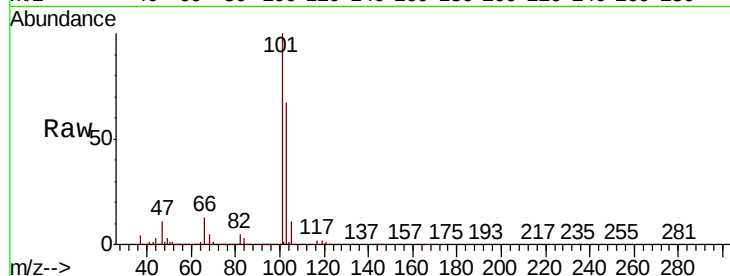
Trichlorofluoromethane
Concen: 19.197 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
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ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	53.2	79.8

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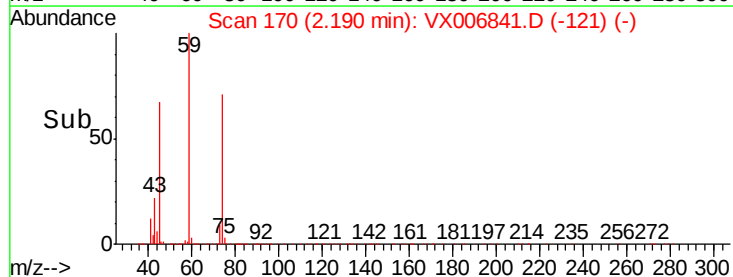
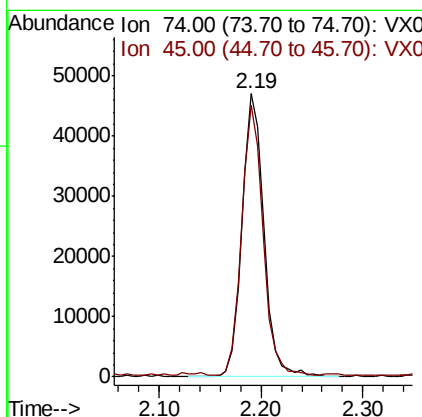
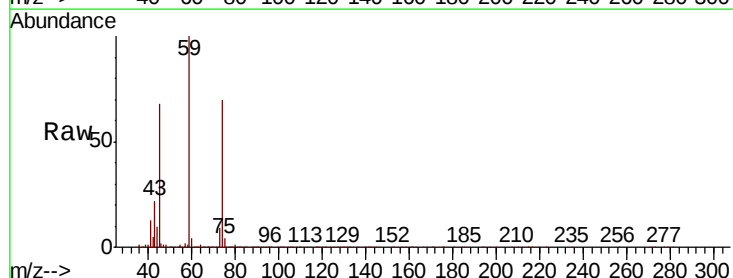
MMDadoda
12/28/2018 10:28:14 AM

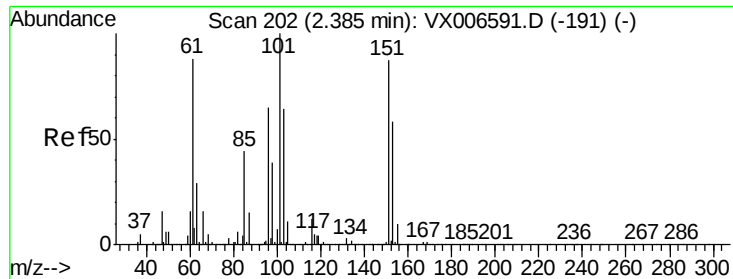


#8

Diethyl Ether
Concen: 19.342 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.813 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

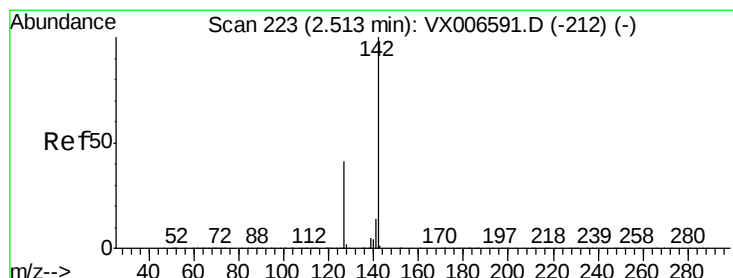
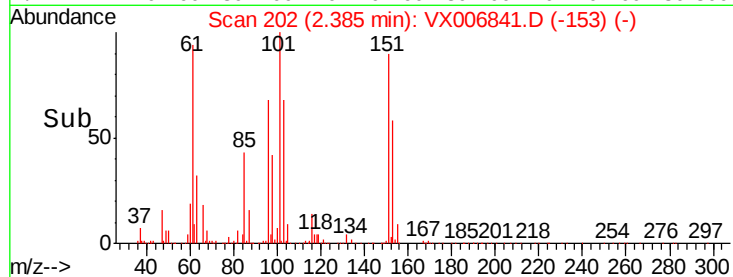
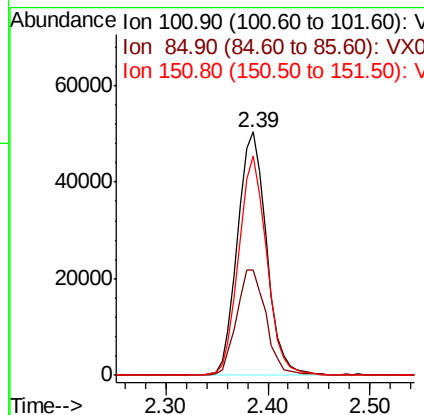
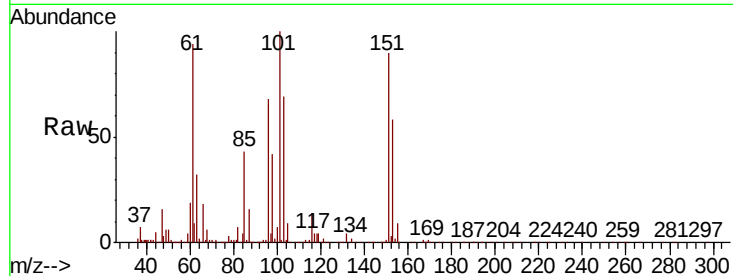
ClientSampleId :

VX1227WBSD01

Tot Ion:	101	Resp:	99157
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.1	52.7
151	87.7	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.201 ug/l

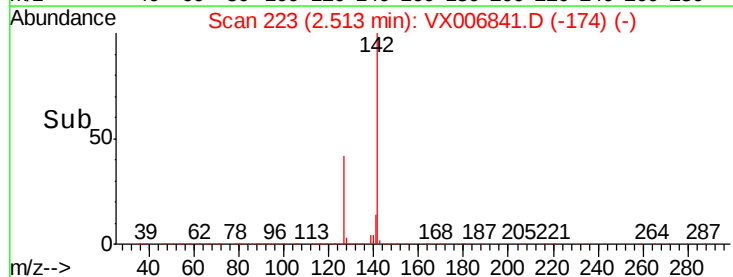
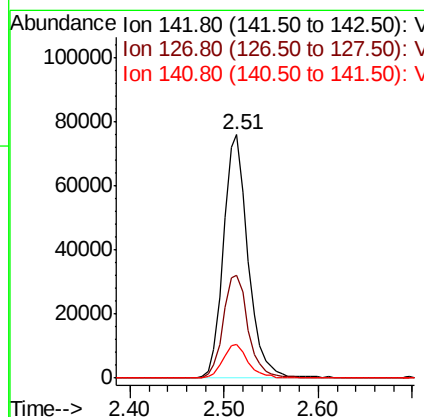
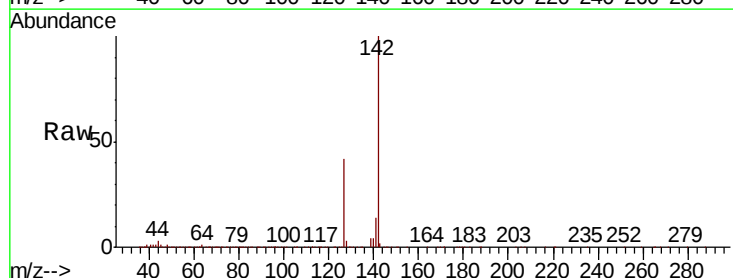
RT: 2.51 min Scan# 223

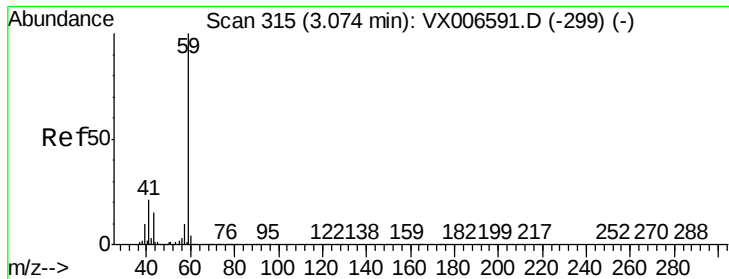
Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	142	Resp:	137319
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.9	50.9
141	14.2	11.4	17.0





#11

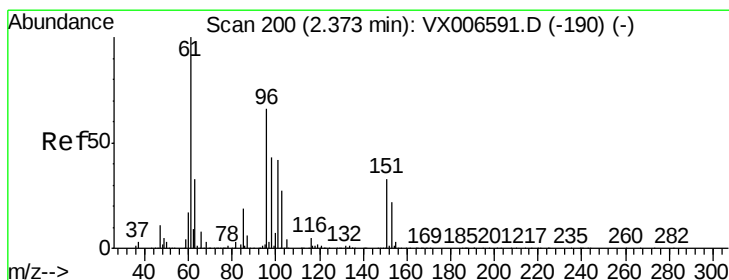
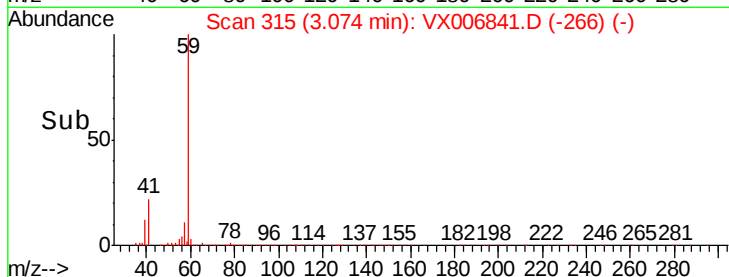
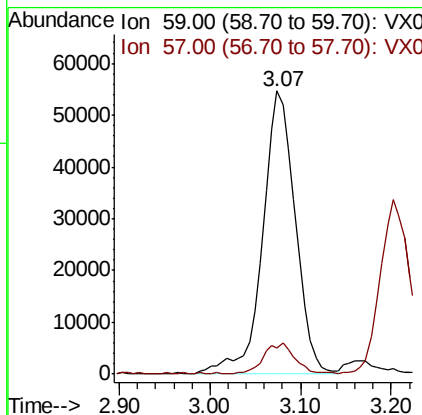
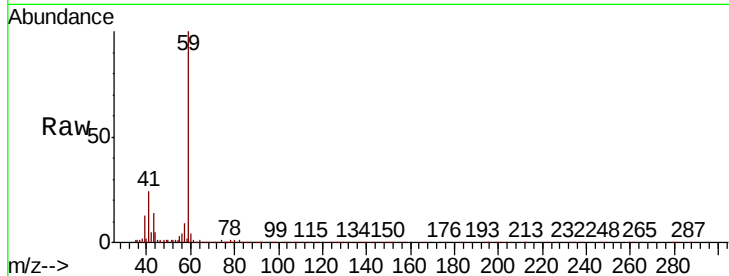
Tert butyl alcohol
Concen: 100.971 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

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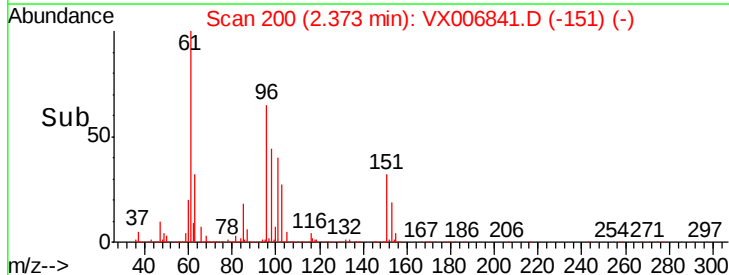
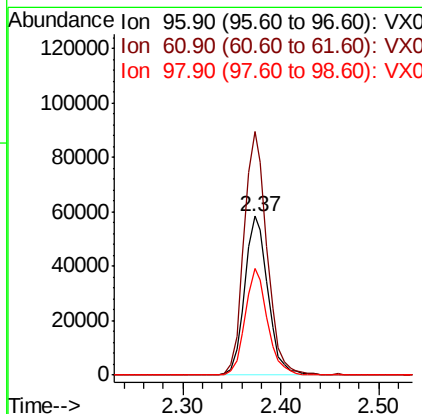
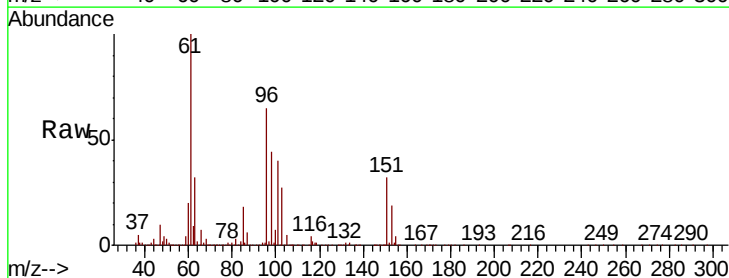
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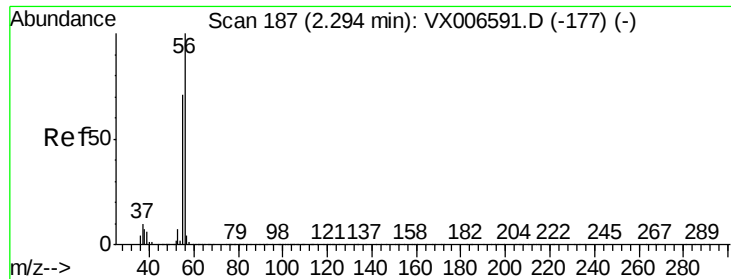


#12

1,1-Dichloroethene
Concen: 19.040 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.2	121.4	182.2
98	67.1	51.9	77.9





#13

Acrolein

Concen: 98.810 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 56 Resp: 89679

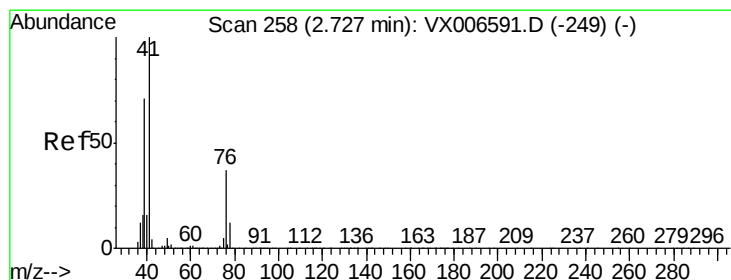
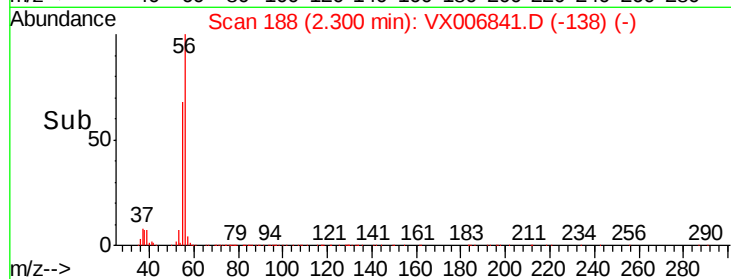
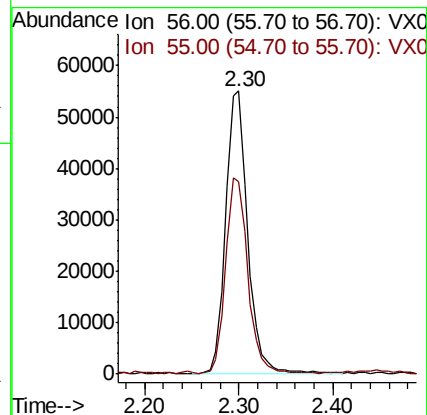
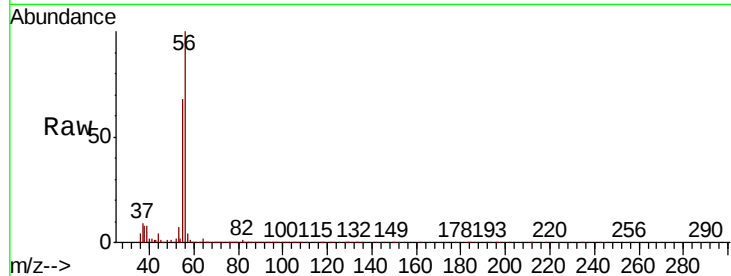
Ion Ratio Lower Upper

56 100

55 69.0 58.2 87.4

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#14

Allyl chloride

Concen: 19.468 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

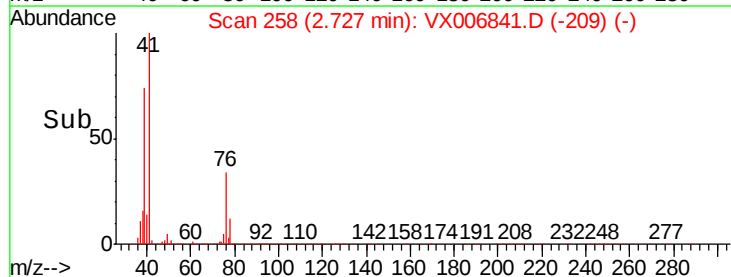
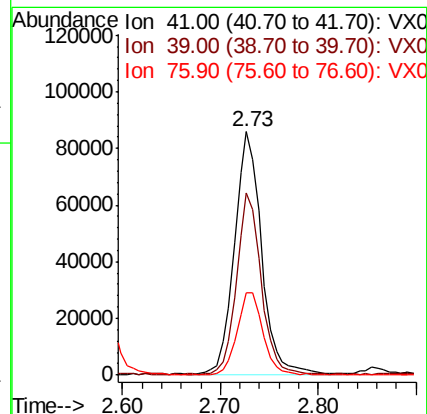
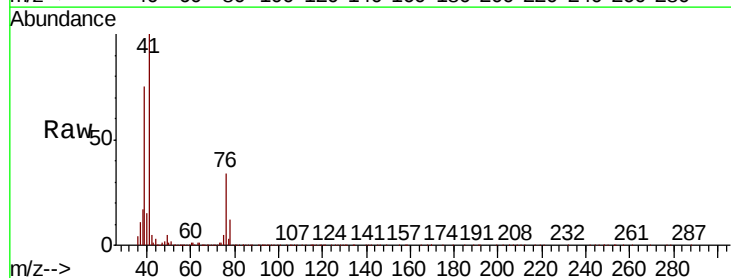
Tgt Ion: 41 Resp: 163770

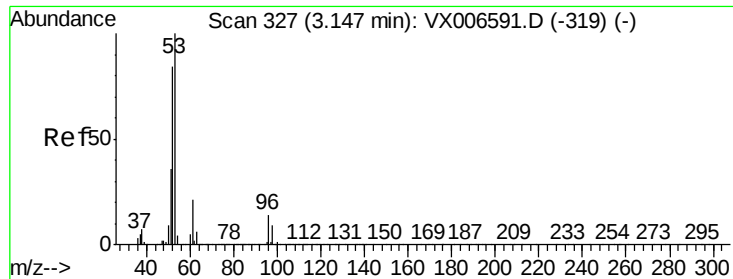
Ion Ratio Lower Upper

41 100

39 68.3 53.6 80.4

76 32.3 27.4 41.2





#15

Acrylonitrile

Concen: 104.113 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

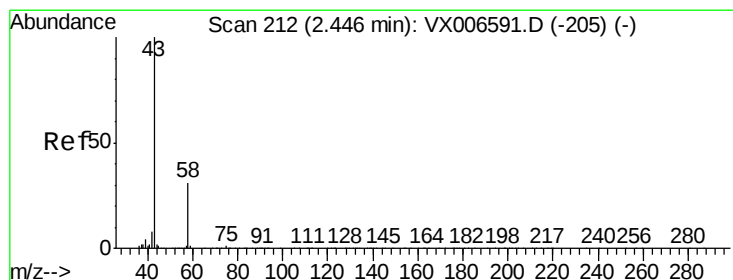
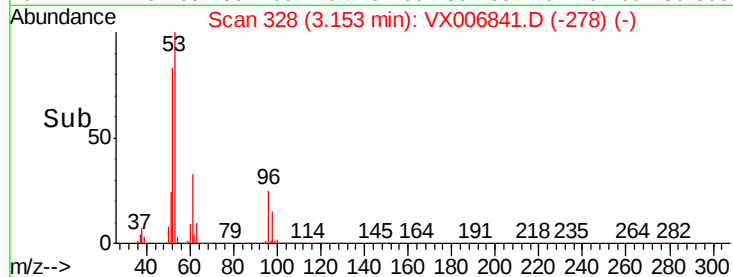
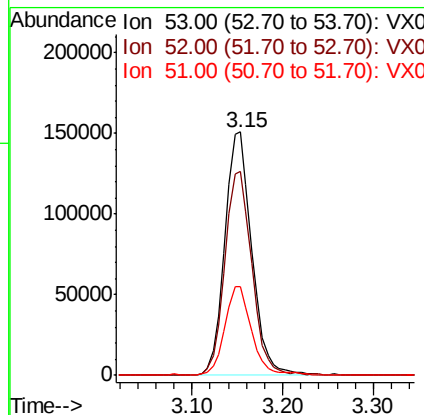
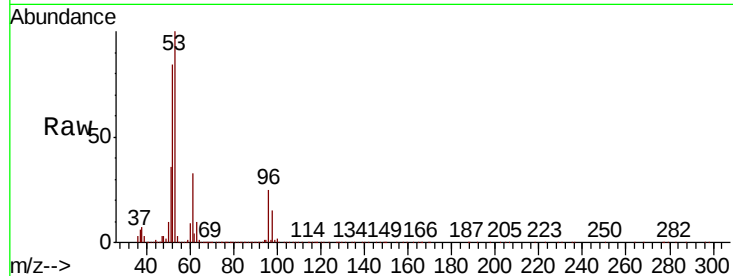
ClientSampleId :

VX1227WBSD01

Tot Ion:	53	Resp:	310999
Ion Ratio		Lower	Upper
53	100		
52	83.9	66.0	99.0
51	35.8	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 92.461 ug/l

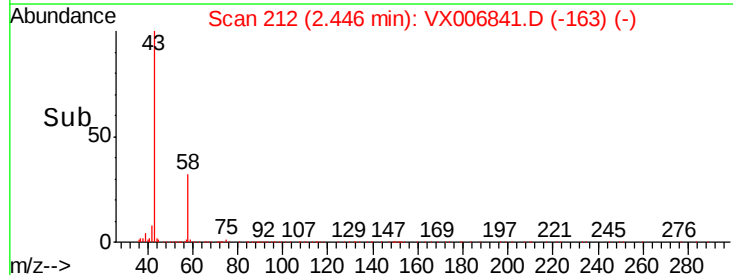
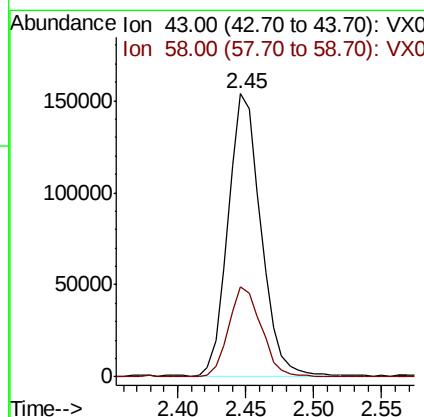
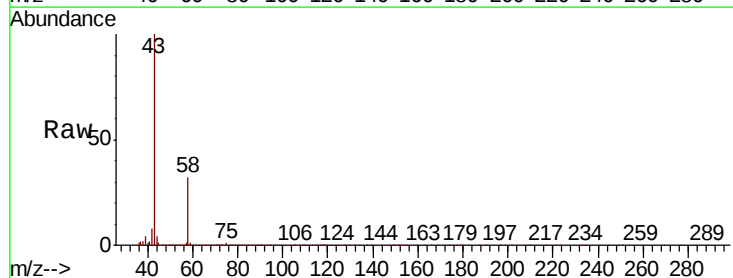
RT: 2.45 min Scan# 212

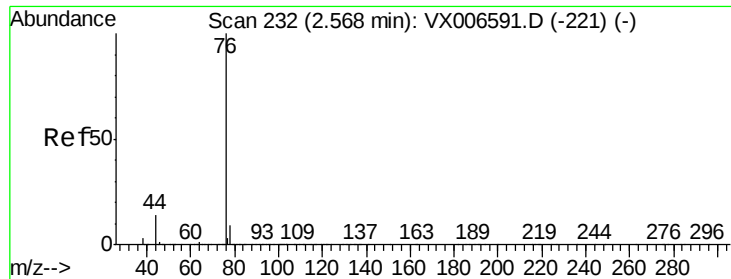
Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	43	Resp:	256080
Ion Ratio		Lower	Upper
43	100		
58	32.1	25.0	37.6





#17

Carbon Disulfide

Concen: 14.956 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 76 Resp: 197796

Ion Ratio Lower Upper

76 100

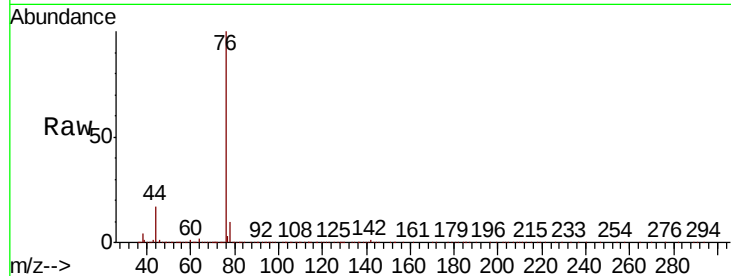
78 9.4 7.0 10.6

Manual Integrations

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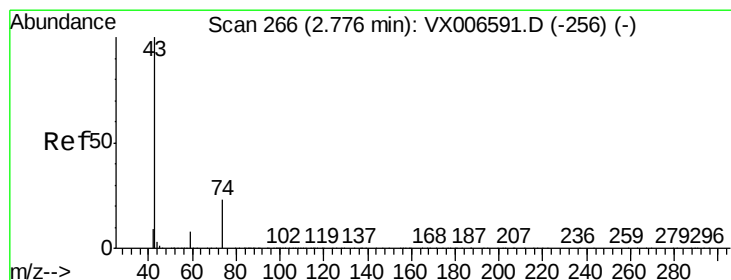
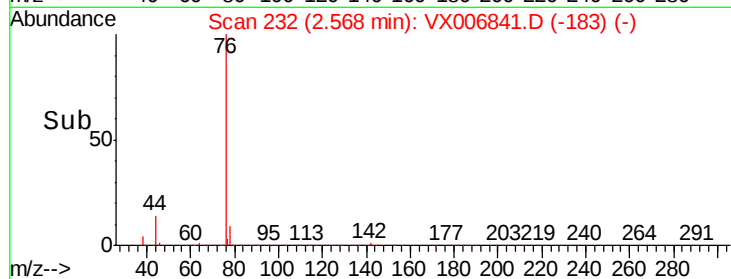
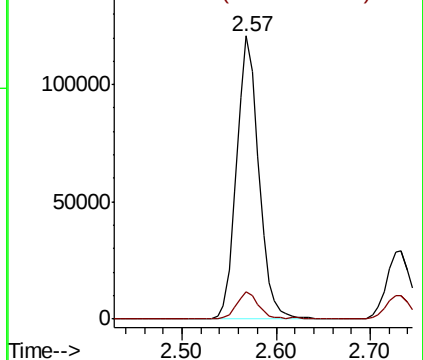
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.167 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006841.D

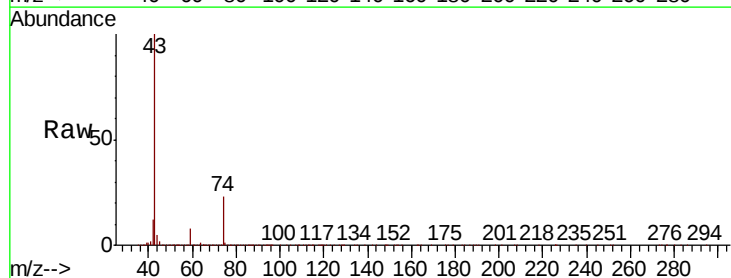
Acq: 27 Dec 2018 14:42

Tgt Ion: 43 Resp: 196812

Ion Ratio Lower Upper

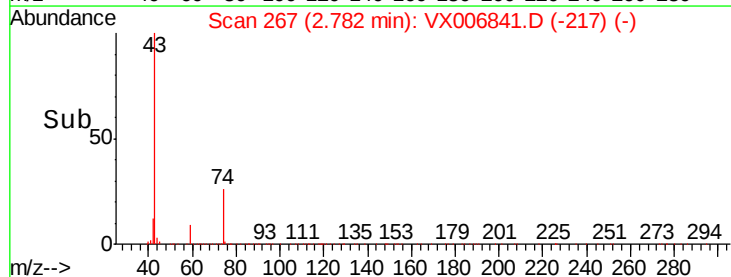
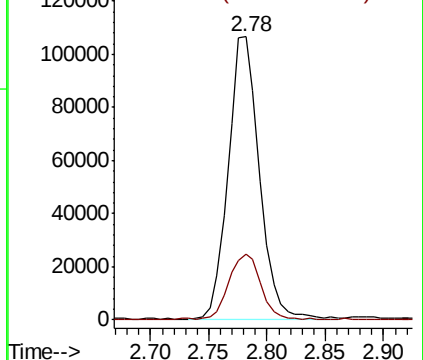
43 100

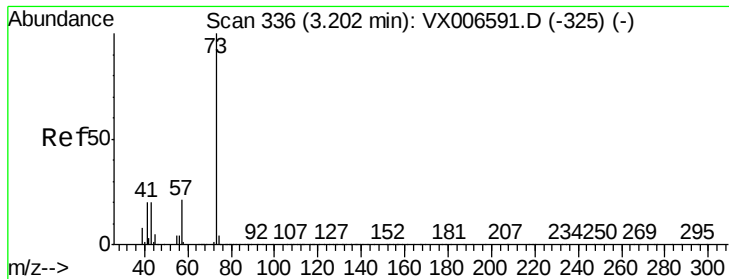
74 23.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





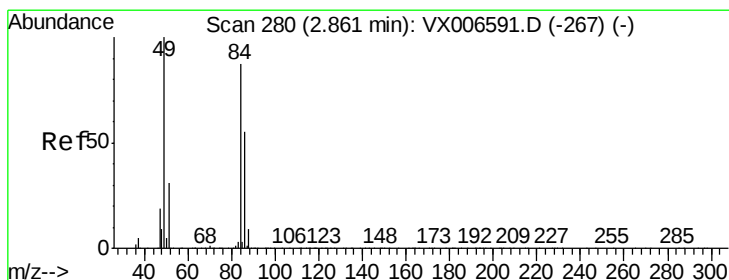
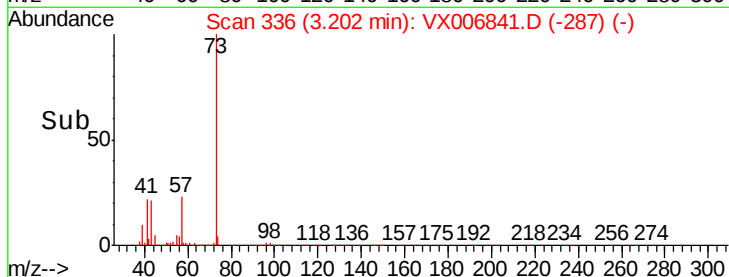
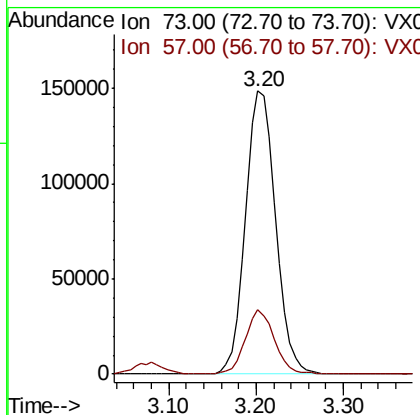
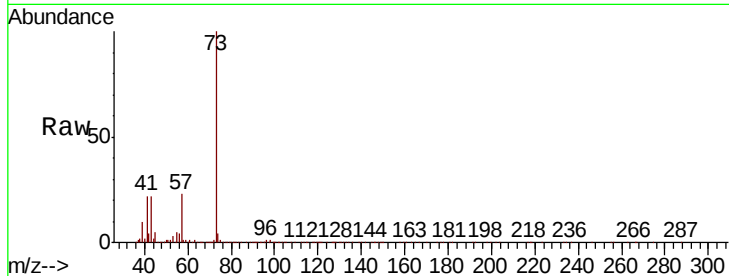
#19
Methvl tert-butvl Ether
Concen: 21.473 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	16.8	25.2

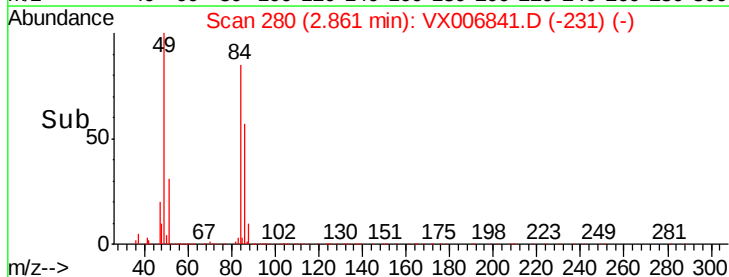
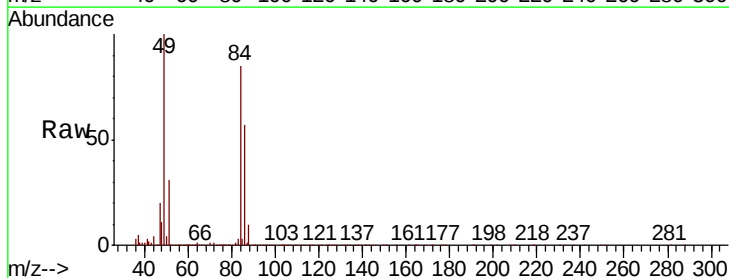
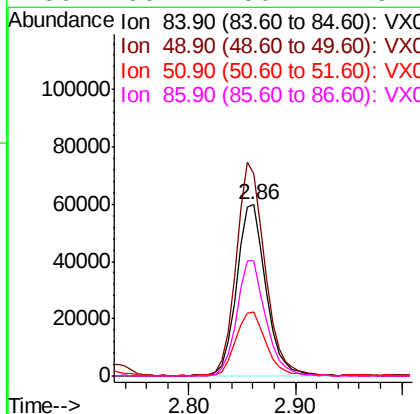
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#20
Methylene Chloride
Concen: 20.135 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.0	91.8	137.6
51	36.8	28.5	42.7
86	66.7	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 17.916 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

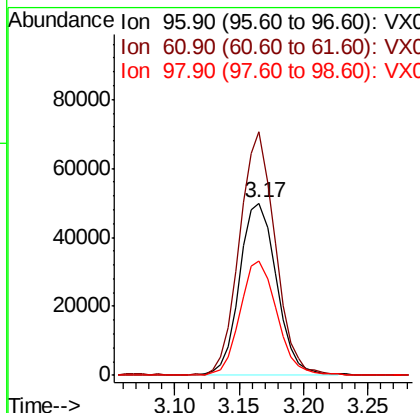
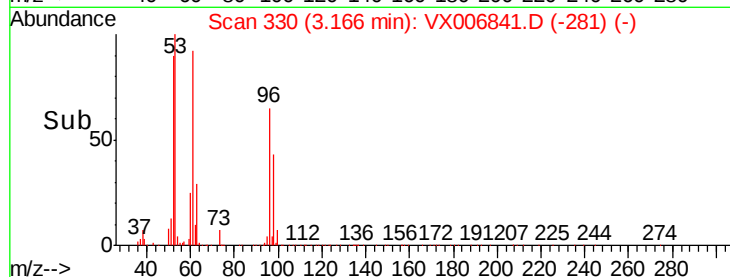
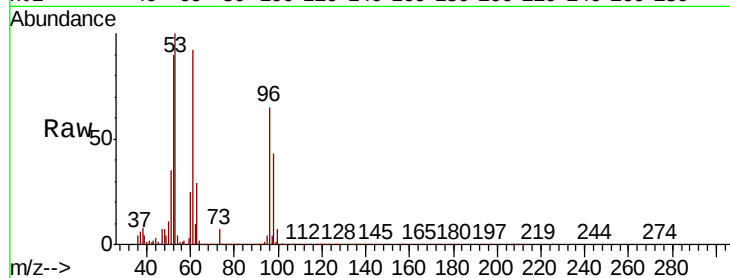
ClientSampleId :

VX1227WBSD01

Tot Ion:	96	Resp:	99208
Ion Ratio	Lower	Upper	
96	100		
61	141.5	103.7	155.5
98	66.3	51.0	76.6

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#22

Diisopropyl ether

Concen: 21.302 ug/l

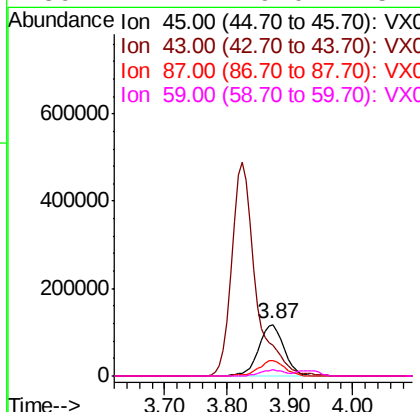
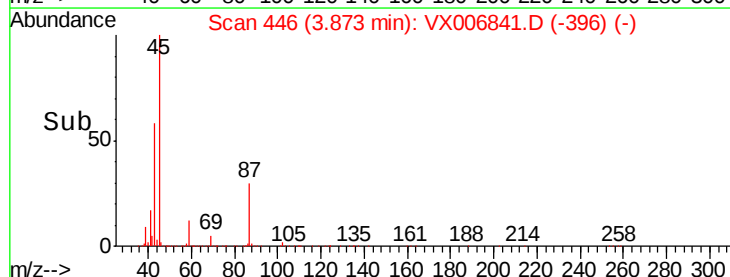
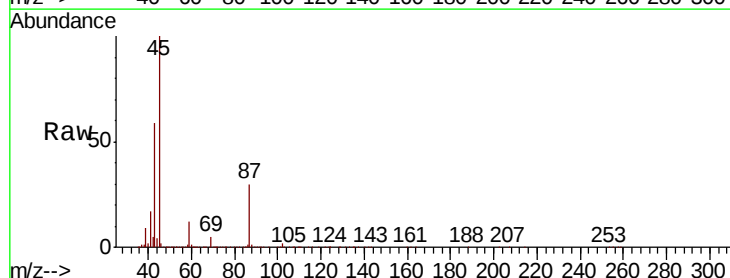
RT: 3.87 min Scan# 446

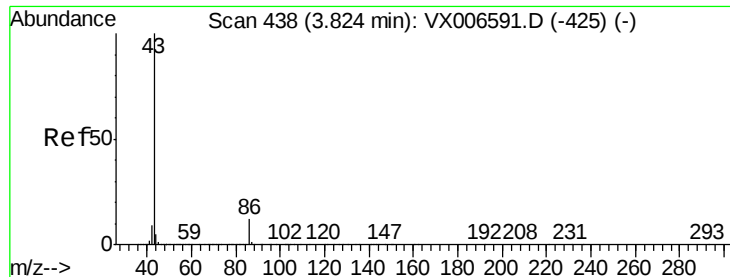
Delta R.T. 0.01 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	45	Resp:	327829
Ion Ratio	Lower	Upper	
45	100		
43	58.4	51.2	76.8
87	29.7	25.8	38.6
59	12.2	9.0	13.4





#23

Vinyl Acetate

Concen: 102.121 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 43 Resp: 1285505

Ion Ratio Lower Upper

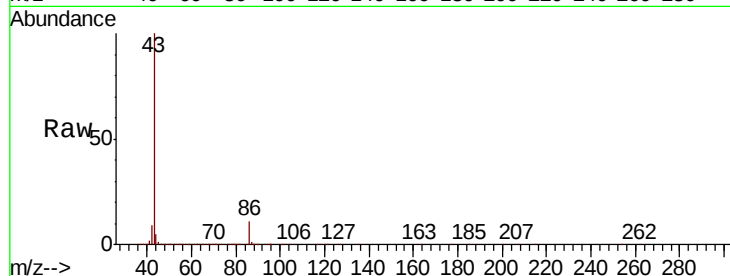
43 100

86 11.1 9.2 13.8

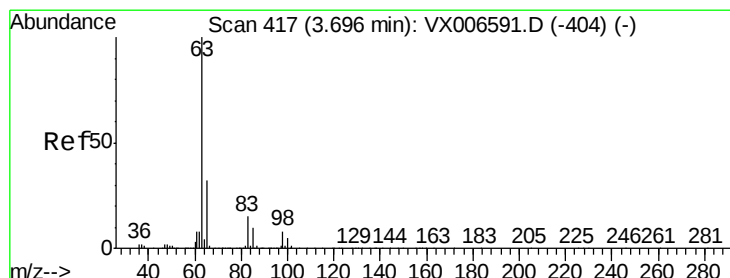
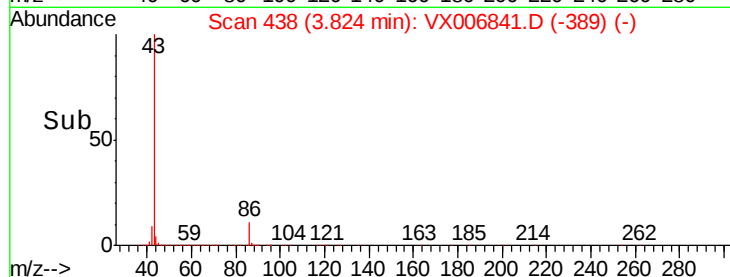
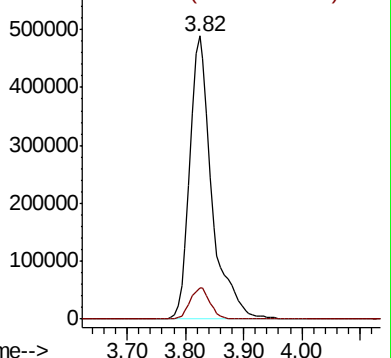
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Abundance Ion 43.00 (42.70 to 43.70): VX006841.D (-389) (-)



#24

1,1-Dichloroethane

Concen: 19.182 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

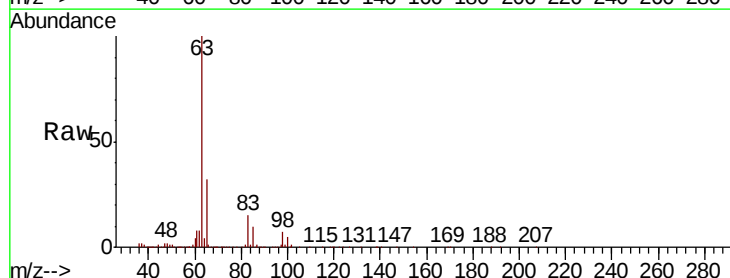
Tgt Ion: 63 Resp: 176216

Ion Ratio Lower Upper

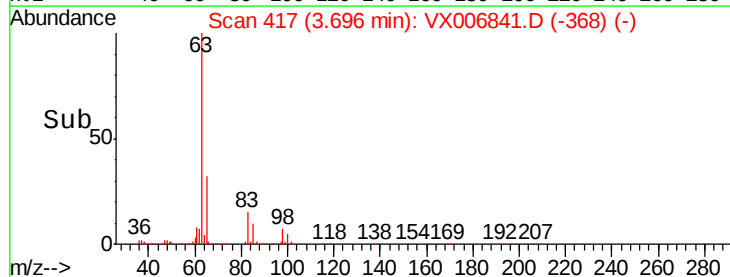
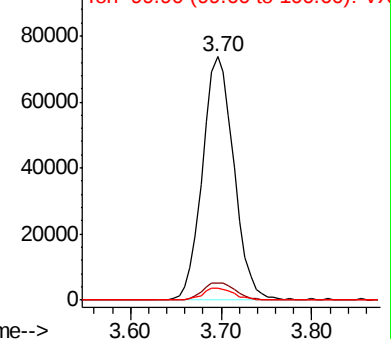
63 100

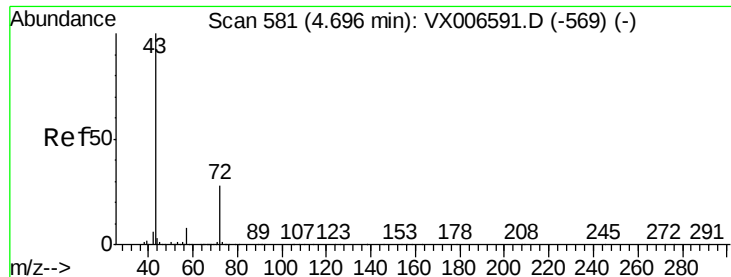
98 7.2 3.9 11.5

100 4.7 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX006841.D (-368) (-)





#25

2-Butanone

Concen: 98.784 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 43 Resp: 384844

Ion Ratio Lower Upper

43 100

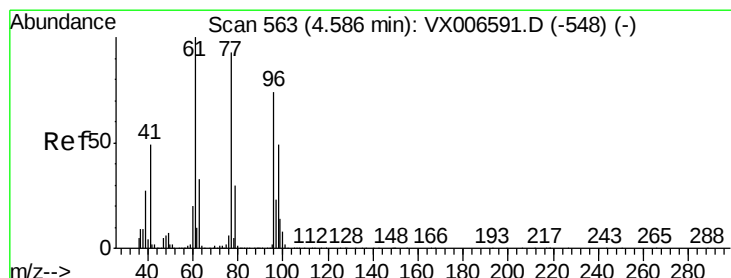
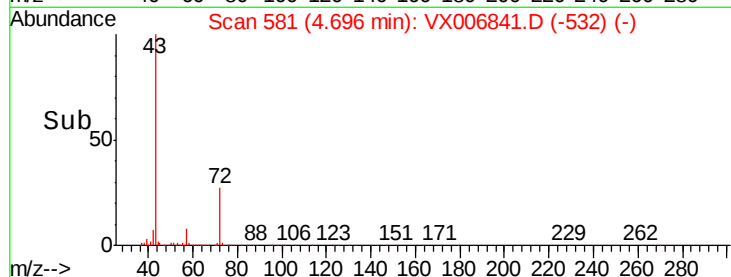
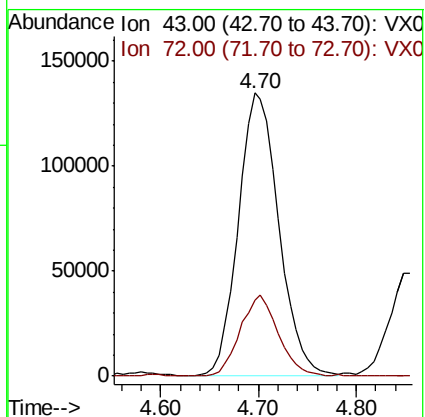
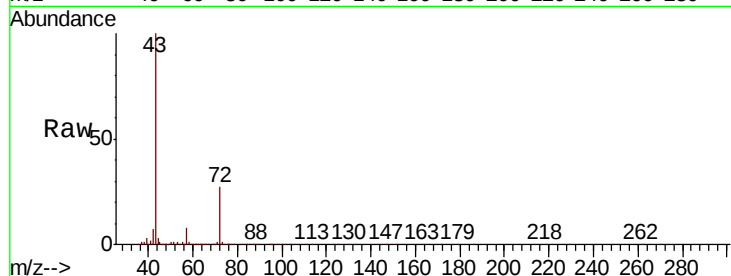
72 26.8 22.4 33.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.618 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006841.D

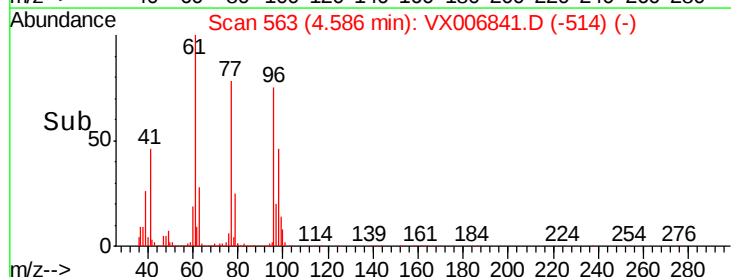
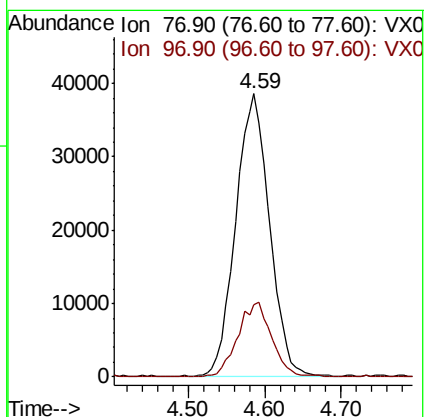
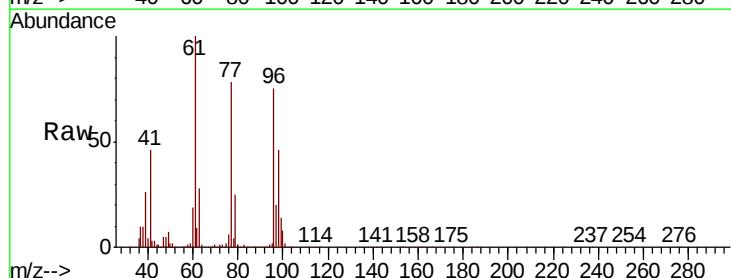
Acq: 27 Dec 2018 14:42

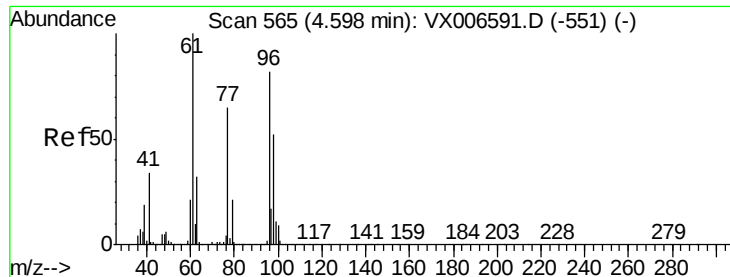
Tgt Ion: 77 Resp: 117930

Ion Ratio Lower Upper

77 100

97 26.5 12.4 37.4





#27

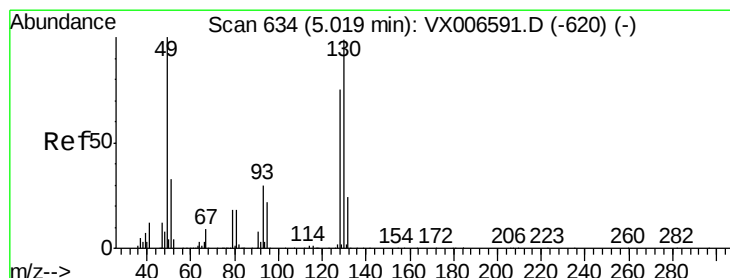
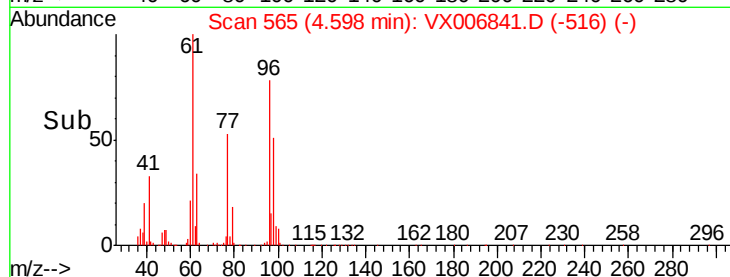
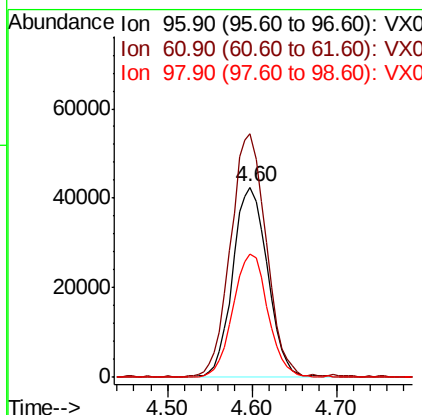
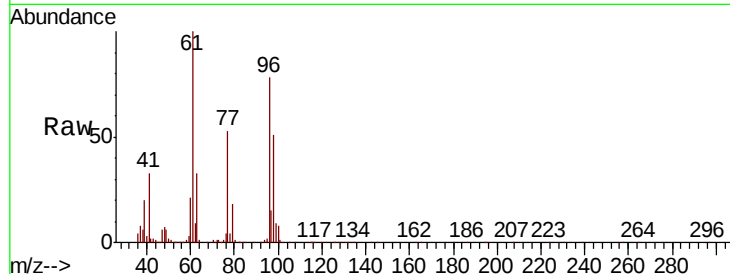
cis-1,2-Dichloroethene
Concen: 19.481 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119017		
61	130.7		0.0	258.6
98	64.9		0.0	132.0

Manual Integrations
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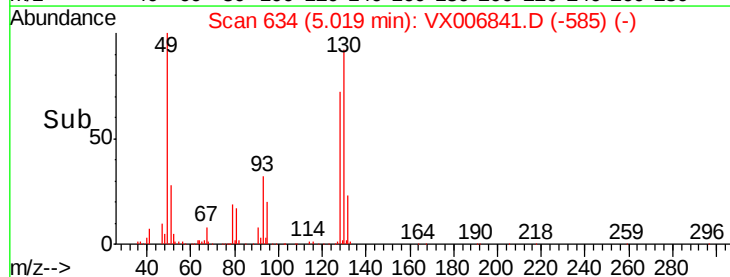
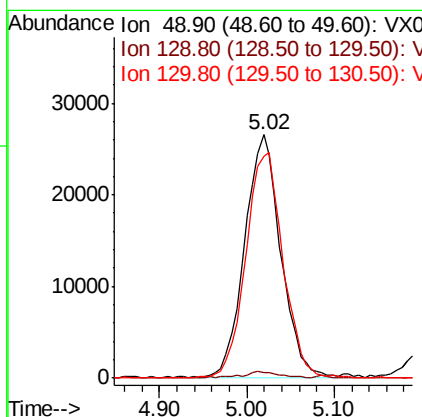
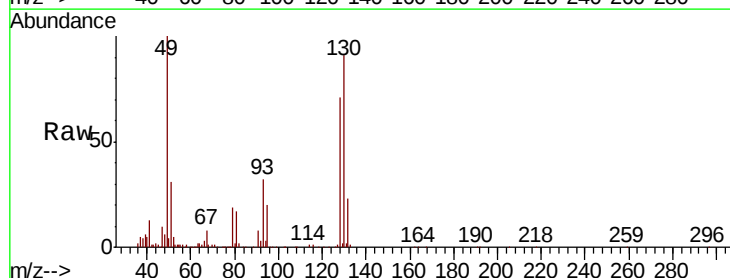
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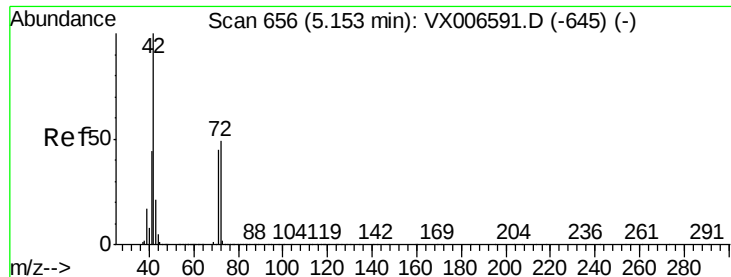


#28

Bromochloromethane
Concen: 18.414 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75843		
129	2.9		0.0	5.4
130	95.5		77.7	116.5





#29

Tetrahydrofuran

Concen: 100.151 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

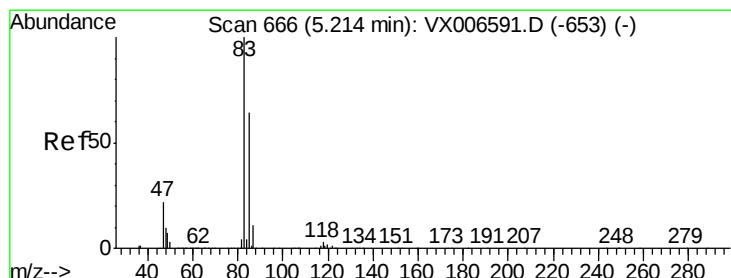
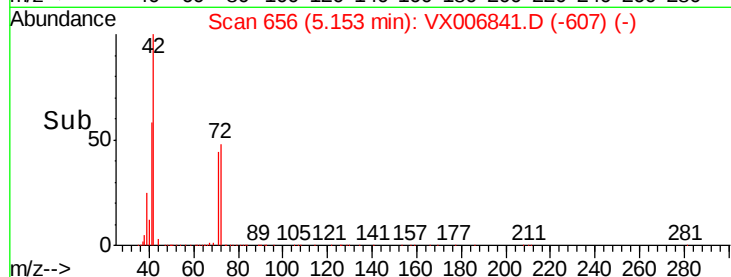
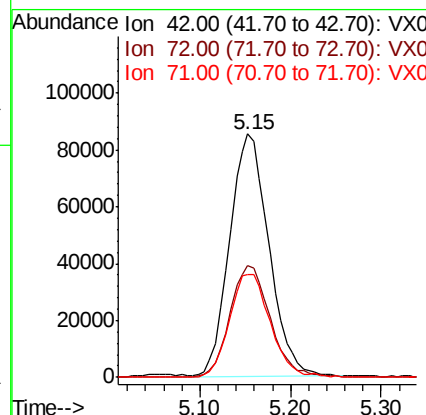
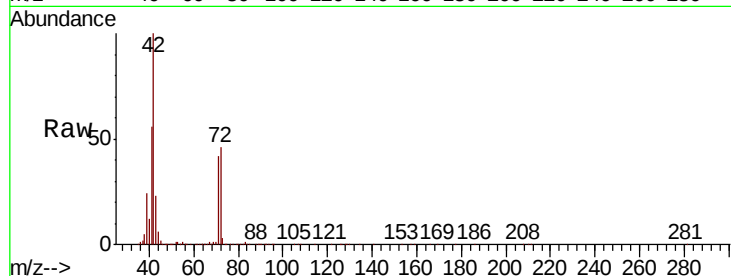
ClientSampleId :

VX1227WBSD01

Tot Ion:	42	Resp:	256978
Ion	Ratio	Lower	Upper
42	100		
72	47.2	38.9	58.3
71	44.3	36.2	54.4

Manual Integrations
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#30

Chloroform

Concen: 19.397 ug/l

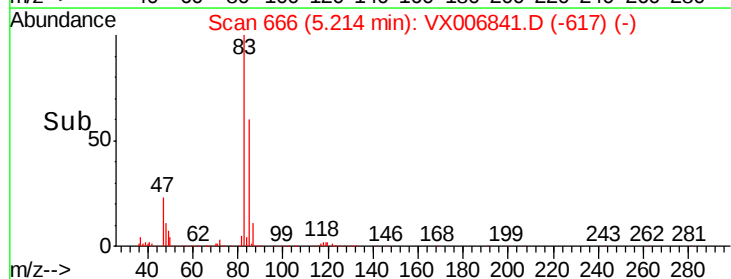
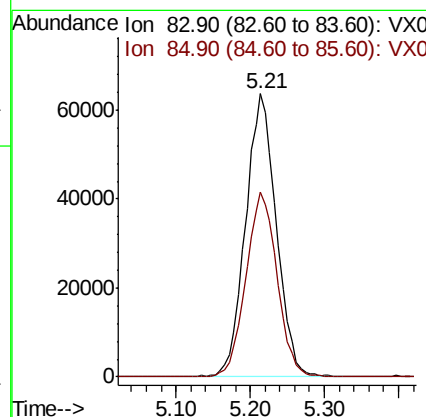
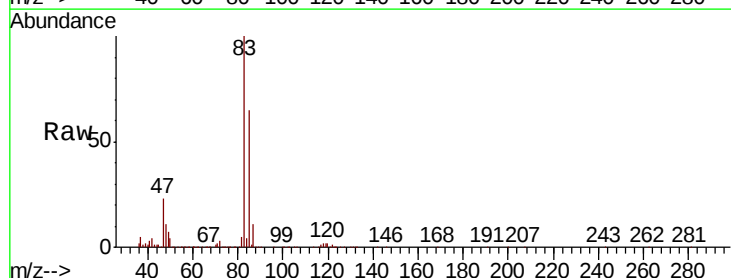
RT: 5.21 min Scan# 666

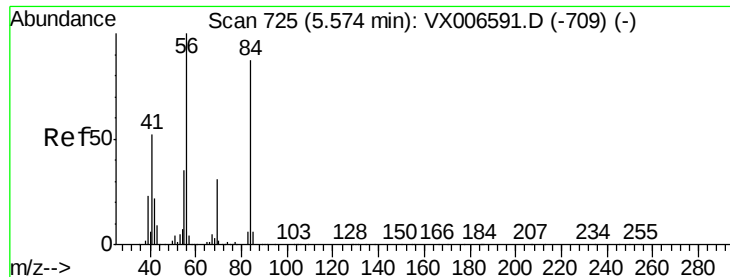
Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	83	Resp:	184530
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.2	76.8





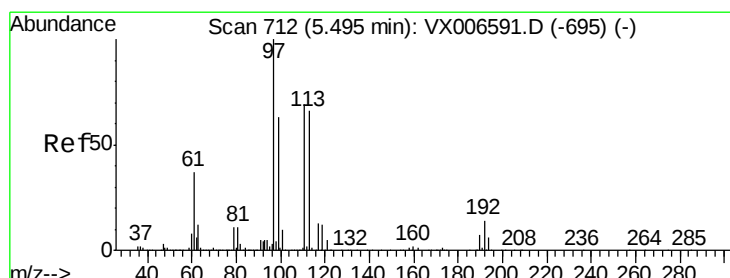
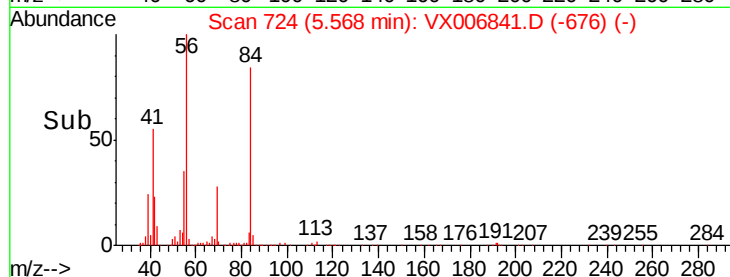
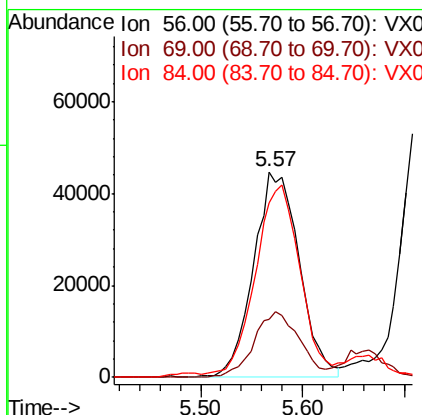
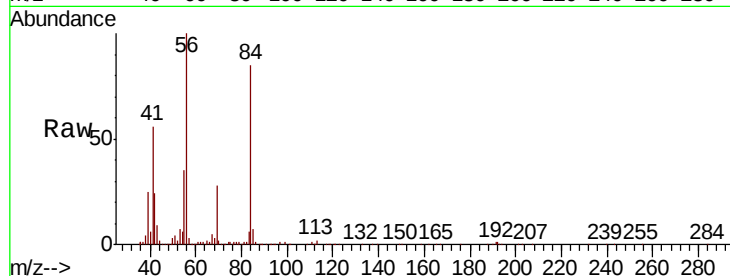
#31
Cyclohexane
Concen: 16.664 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.4	36.6
84	83.0	70.0	105.0

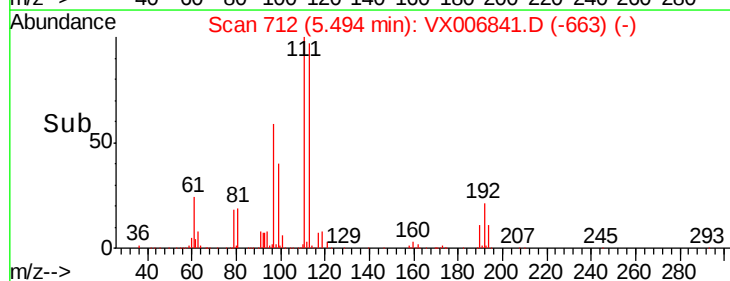
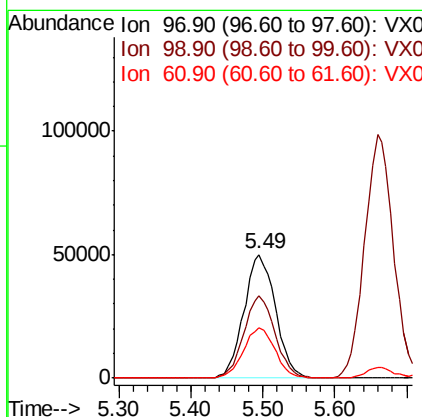
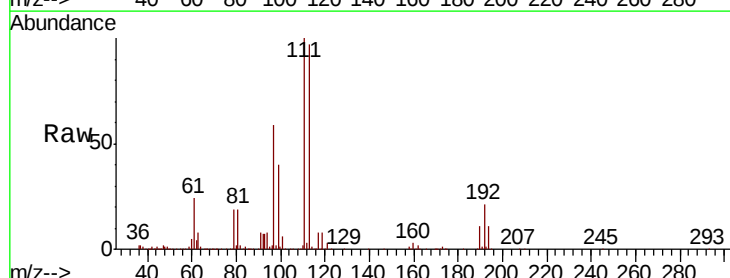
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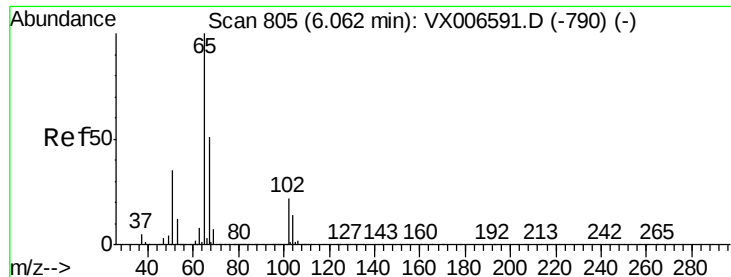
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12/28/2018 10:28:14 AM



#32
1,1,1-Trichloroethane
Concen: 18.970 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.7	77.5
61	40.5	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 47.464 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 65 Resp: 286130

Ion Ratio Lower Upper

65 100

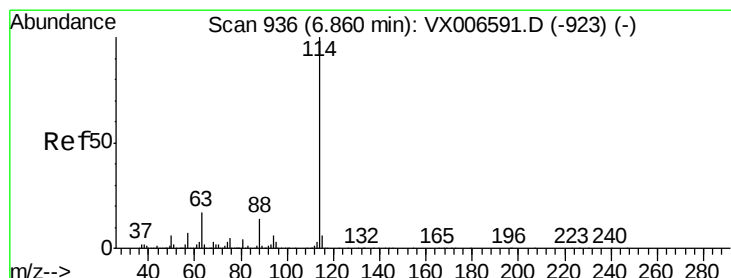
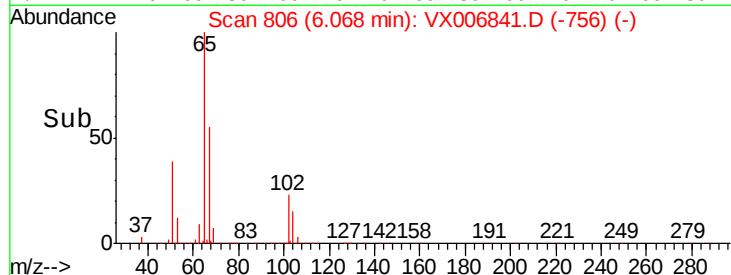
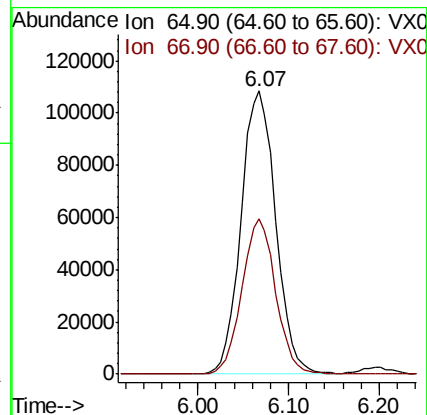
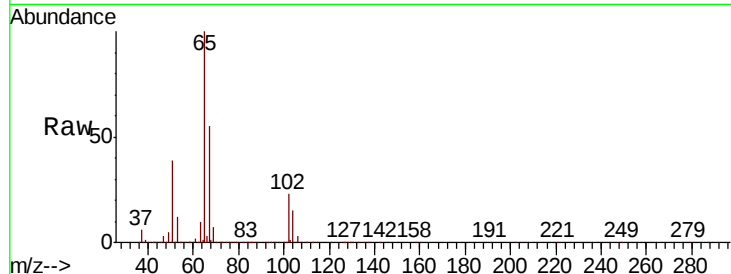
67 53.4 0.0 105.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

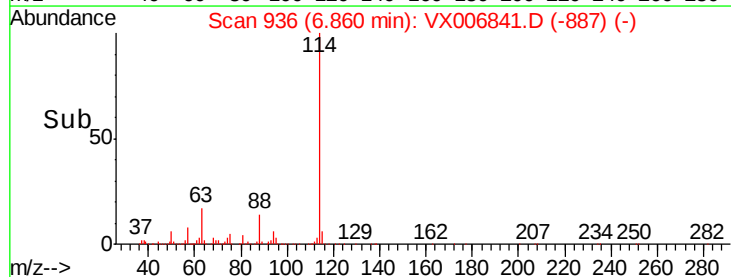
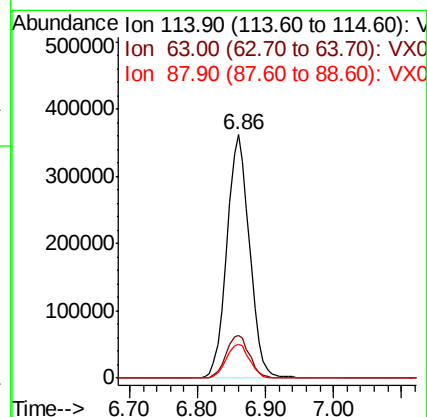
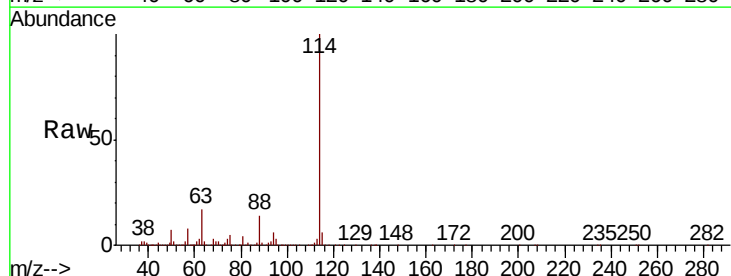
Tgt Ion: 114 Resp: 836101

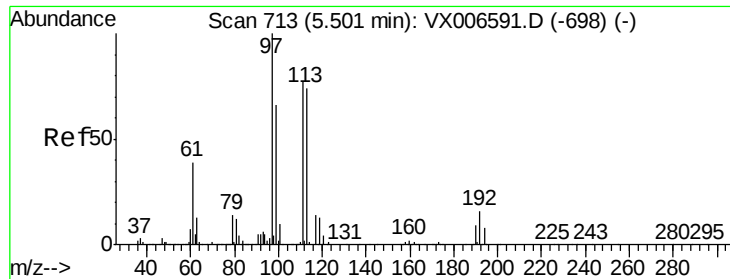
Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.8

88 13.9 0.0 28.8





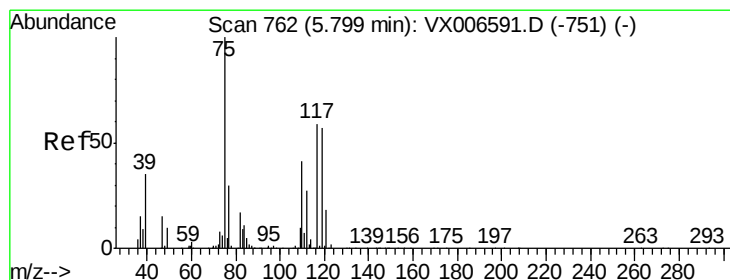
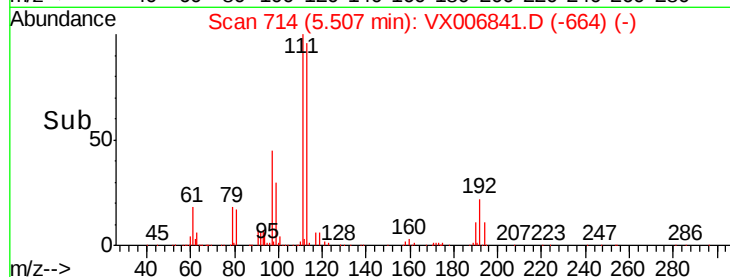
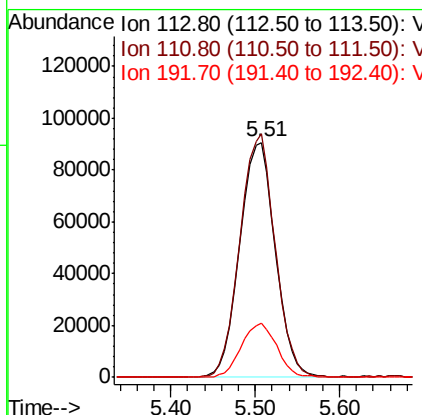
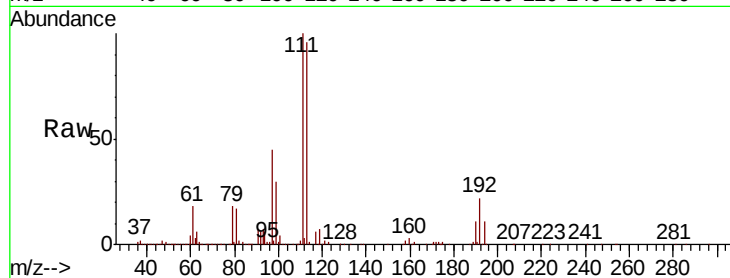
#35
 Dibromofluoromethane
 Concen: 49.051 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006841.D
 Acq: 27 Dec 2018 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.6	122.4
192	22.9	16.7	25.1

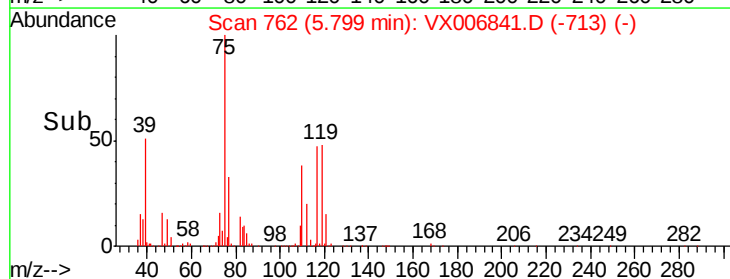
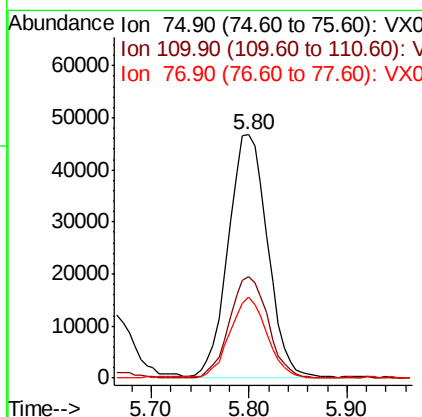
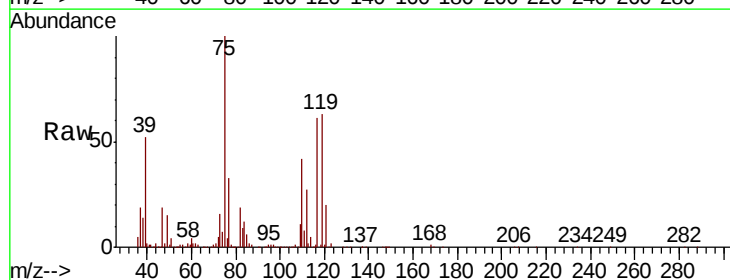
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#36
 1,1-Dichloropropene
 Concen: 18.728 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX006841.D
 Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.5	20.2	60.5
77	31.7	24.8	37.2





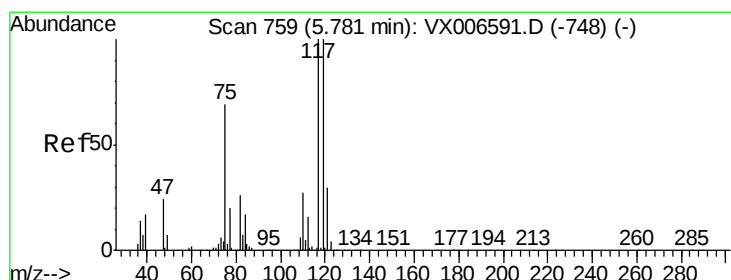
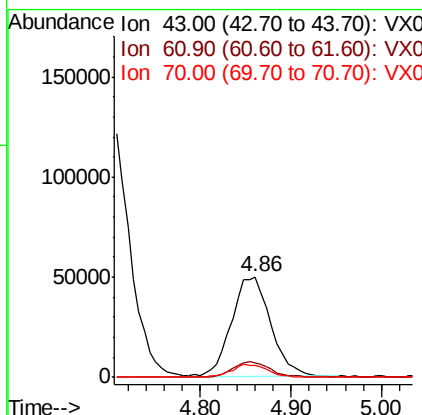
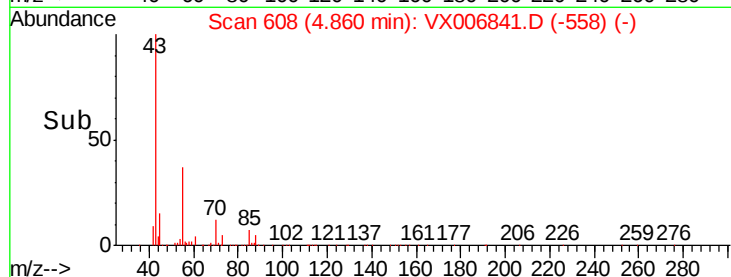
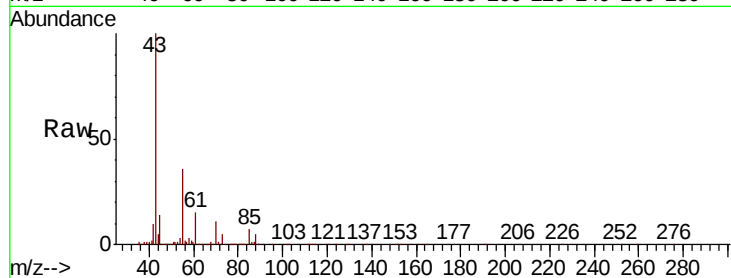
#37
Ethyl Acetate
Concen: 20.671 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	12.1	9.7	14.5

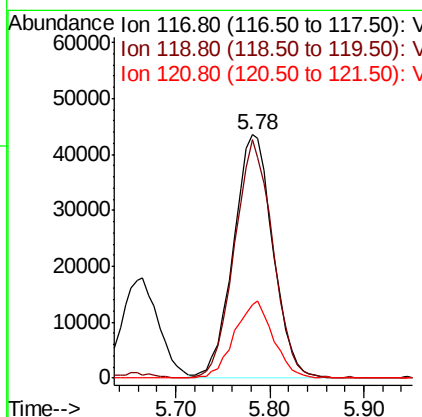
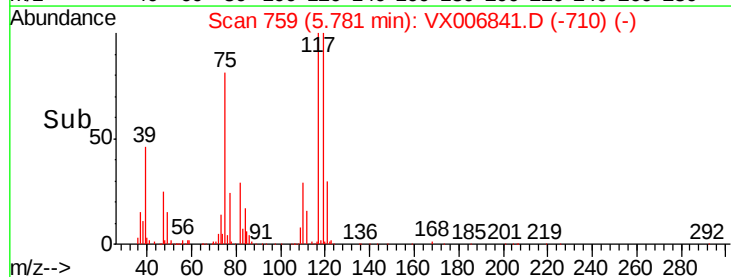
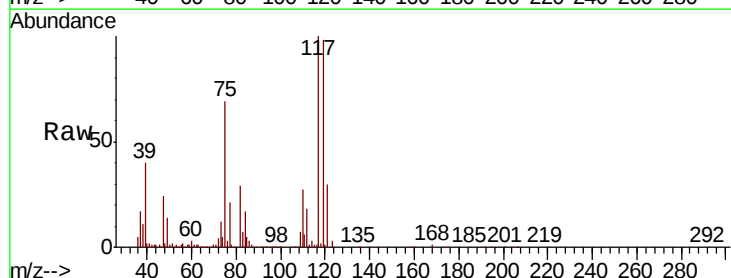
Manual Integrations
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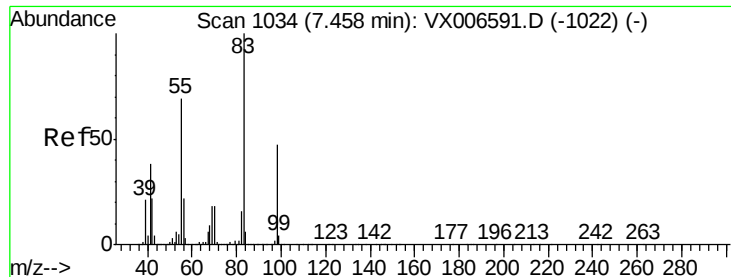
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#38
Carbon Tetrachloride
Concen: 18.829 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	79.4	119.2
121	30.4	24.0	36.0





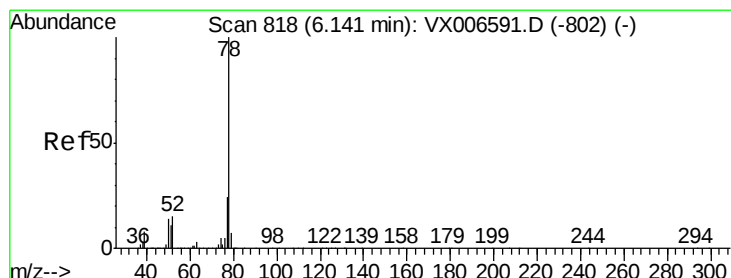
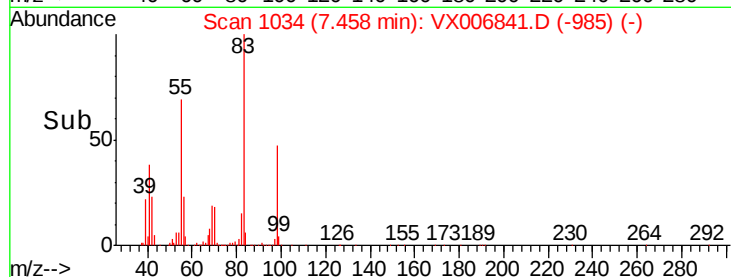
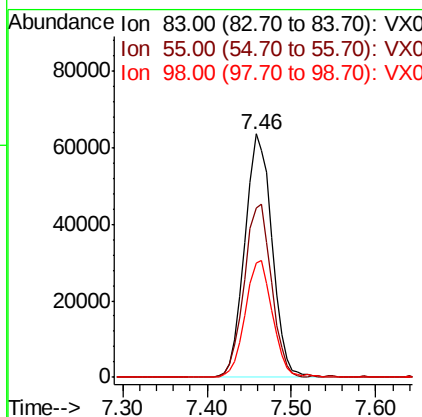
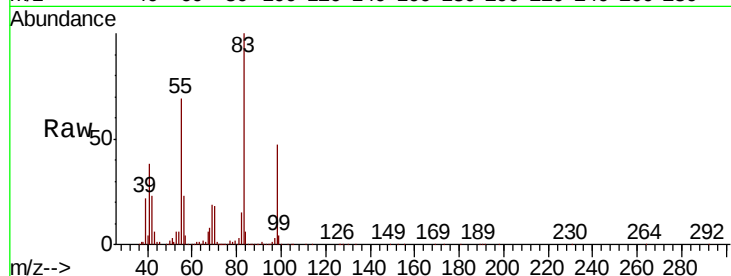
#39
Methvlcvclohexane
Concen: 15.160 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	54.9	82.3
98	47.1	37.9	56.9

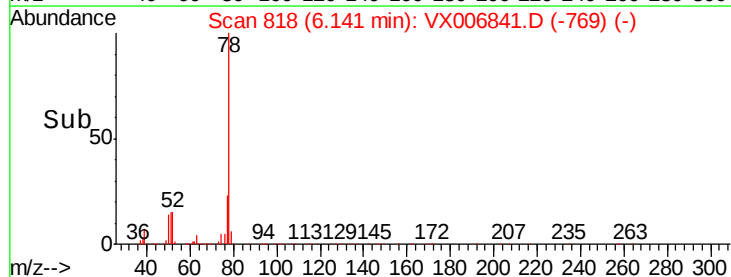
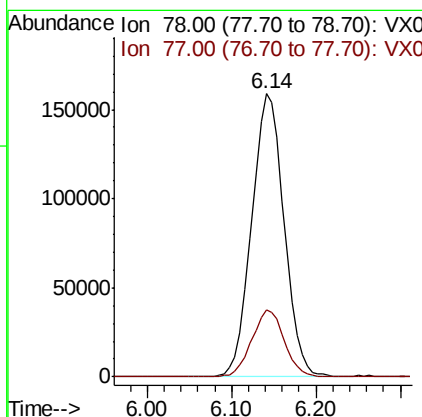
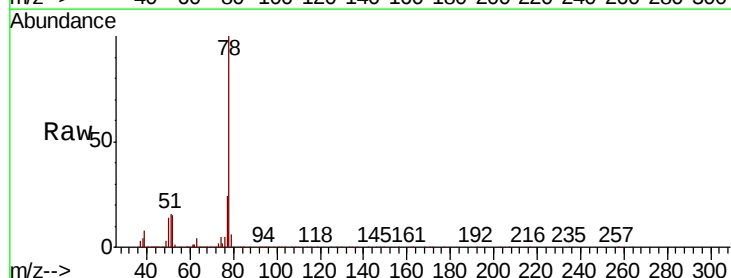
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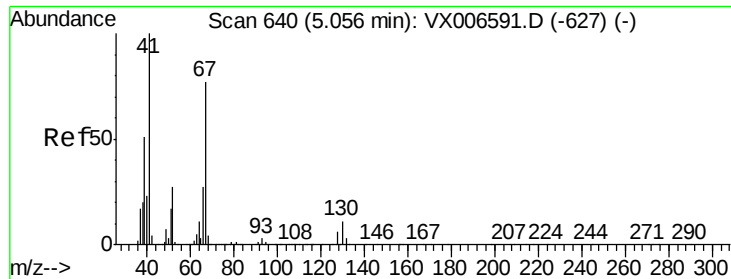
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#40
Benzene
Concen: 19.758 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





#41

Methacrylonitrile

Concen: 22.286 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

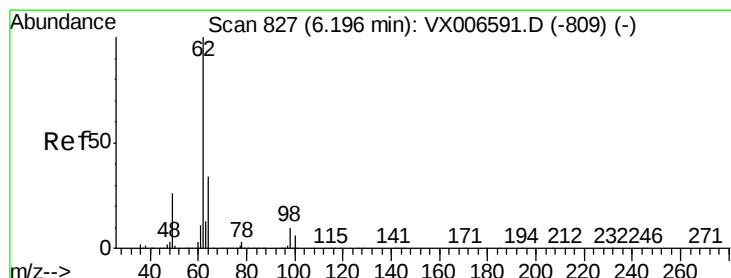
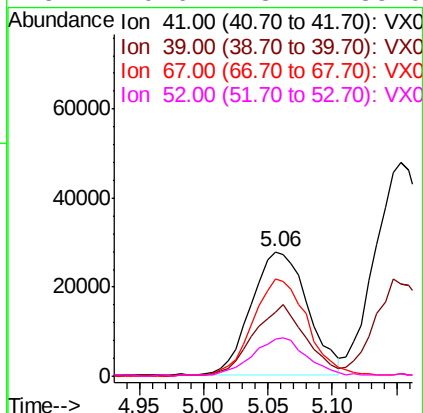
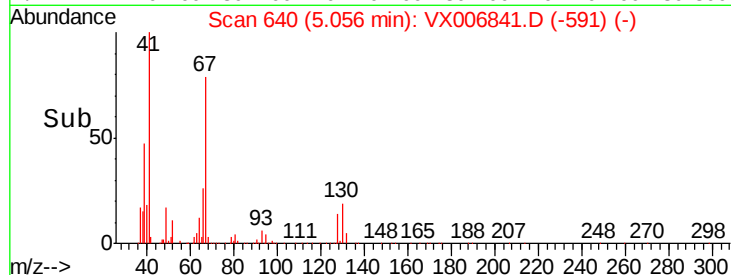
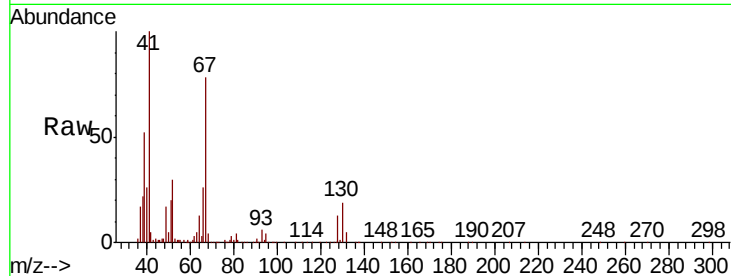
ClientSampleId :

VX1227WBSD01

Tot Ion:	41	Resp:	85279
Ion	Ratio	Lower	Upper
41	100		
39	52.6	42.8	64.2
67	76.4	62.1	93.1
52	29.6	23.4	35.0

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#42

1,2-Dichloroethane

Concen: 20.027 ug/l

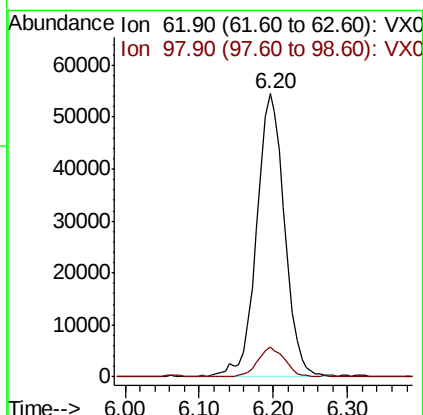
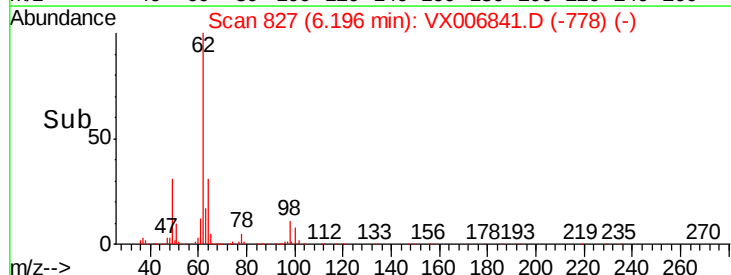
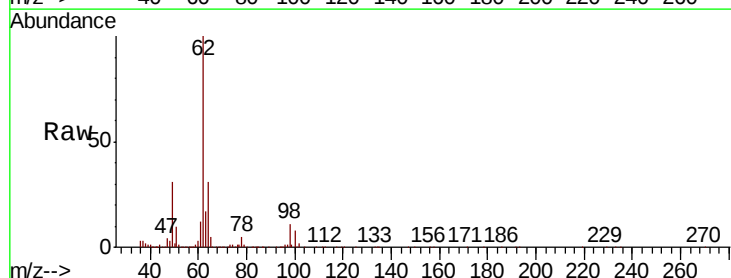
RT: 6.20 min Scan# 827

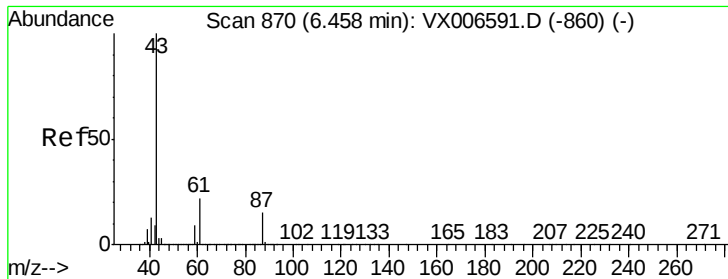
Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	62	Resp:	143643
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

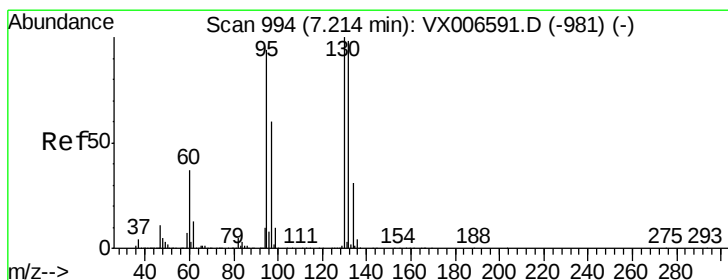
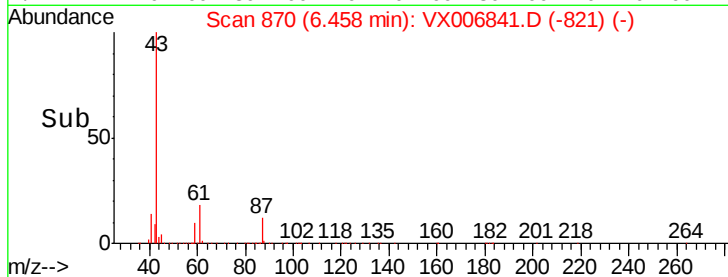
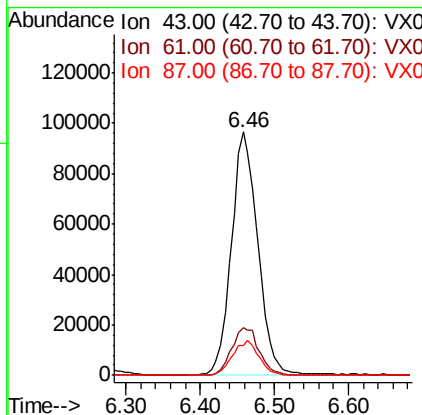
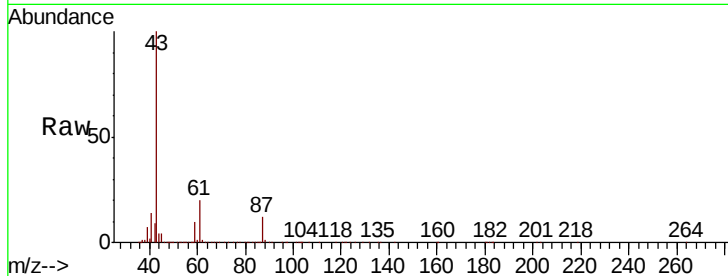
Isopropyl Acetate
 Concen: 21.806 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006841.D
 Acq: 27 Dec 2018 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.8	25.2
87	14.6	12.4	18.6

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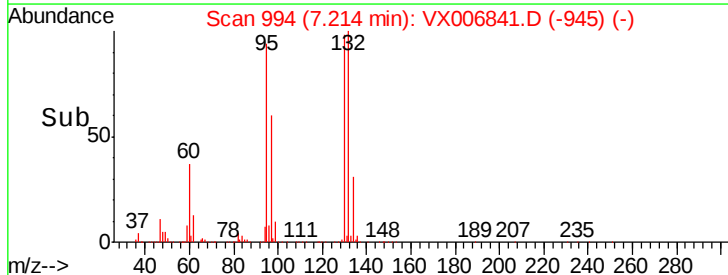
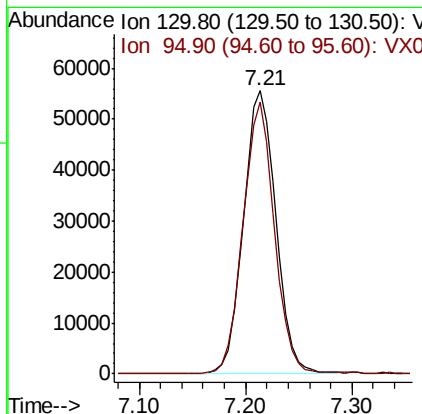
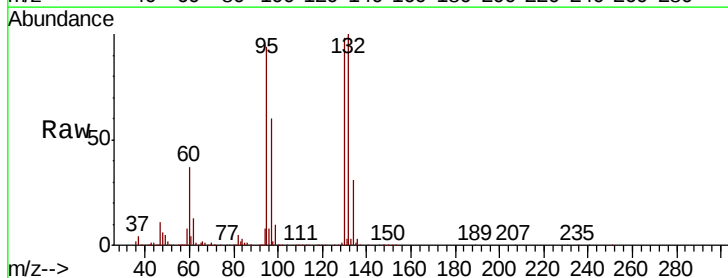
MMDadoda
 12/28/2018 10:28:14 AM

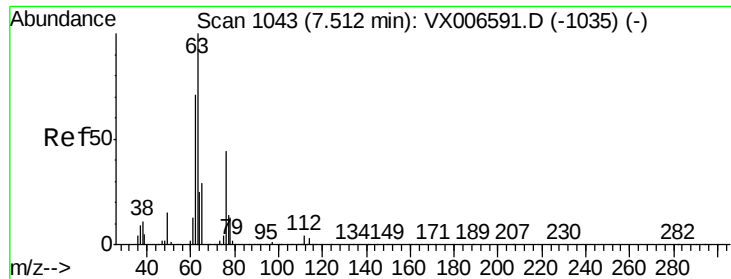


#44

Trichloroethene
 Concen: 18.640 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006841.D
 Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.182 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 63 Resp: 103377

Ion Ratio Lower Upper

63 100

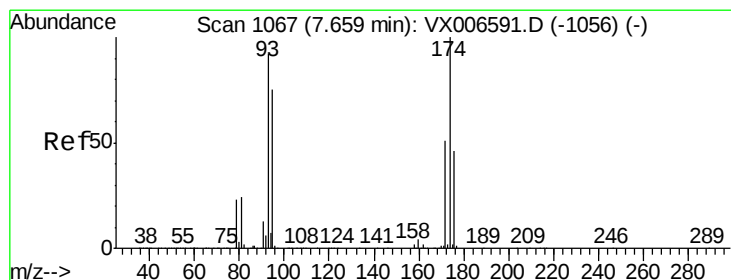
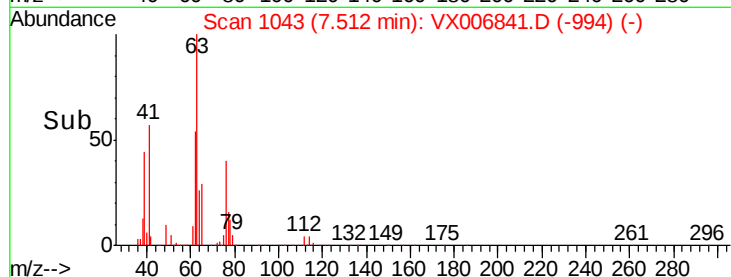
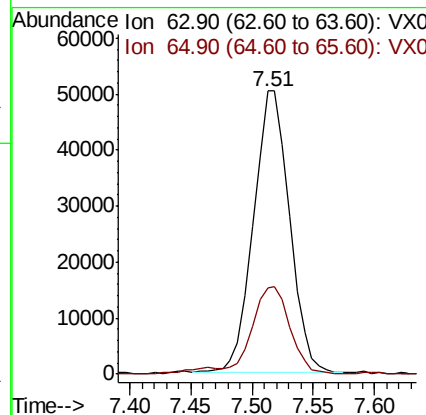
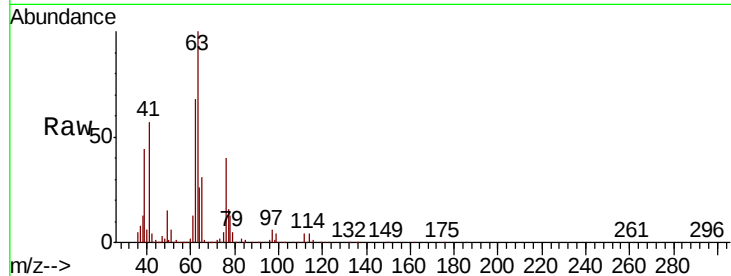
65 30.4 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 20.124 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

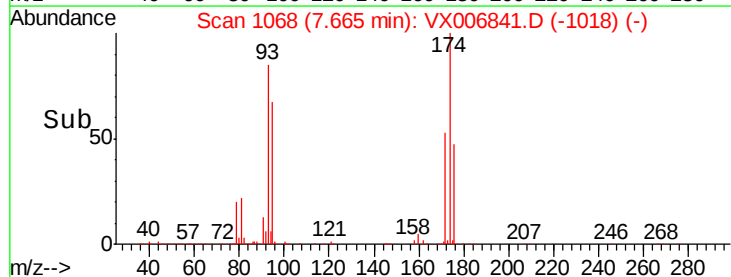
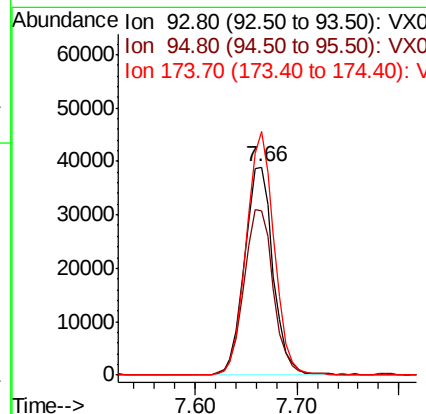
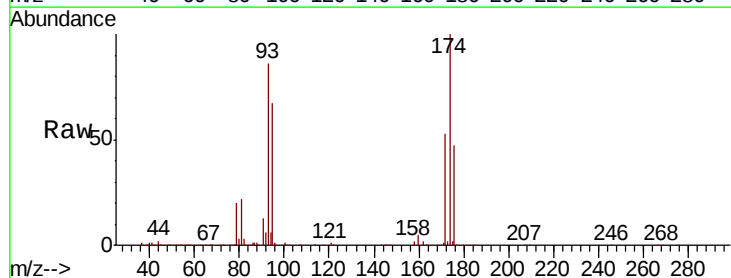
Tgt Ion: 93 Resp: 75822

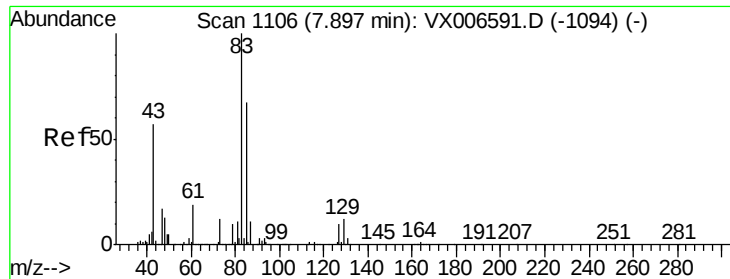
Ion Ratio Lower Upper

93 100

95 81.2 66.2 99.4

174 113.5 91.0 136.4





#47

Bromodichloromethane

Concen: 19.554 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

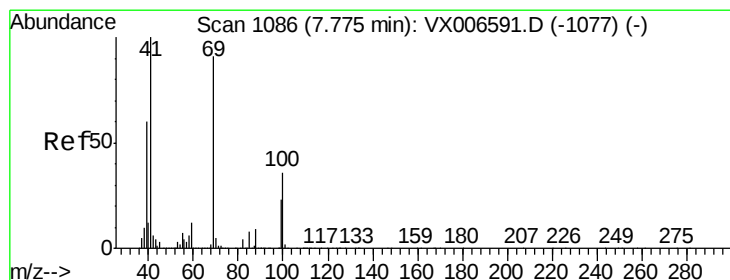
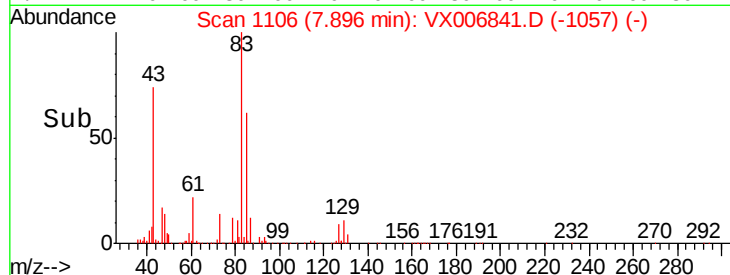
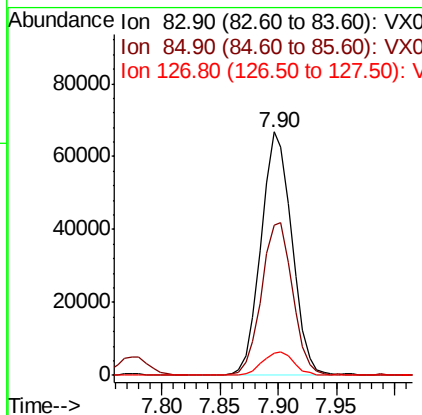
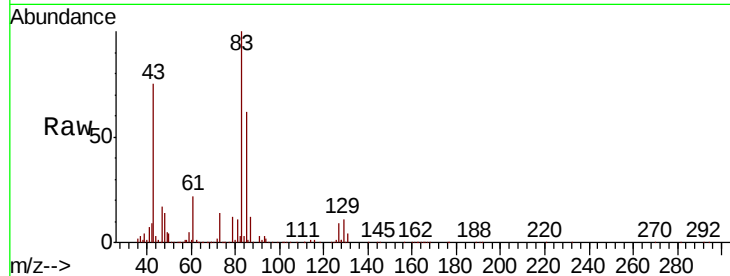
ClientSampleId :

VX1227WBSD01

Tot Ion:	83	Resp:	122316
Ion Ratio	Lower	Upper	
83	100		
85	61.5	53.2	79.8
127	9.3	7.8	11.6

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#48

Methyl methacrylate

Concen: 21.806 ug/l

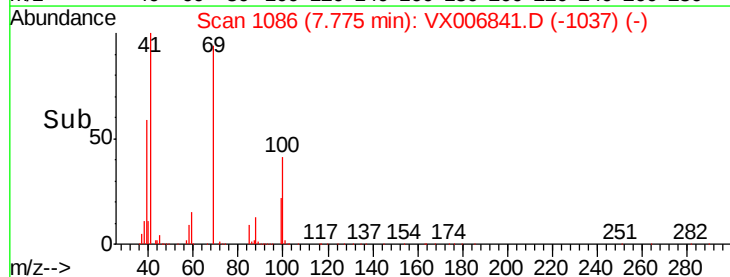
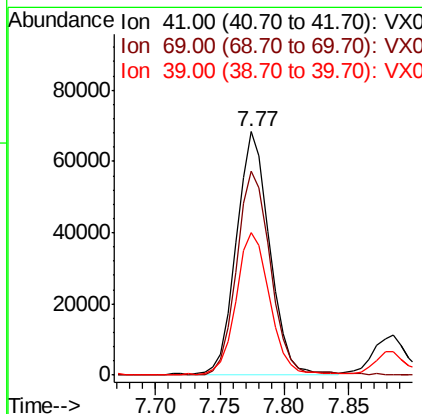
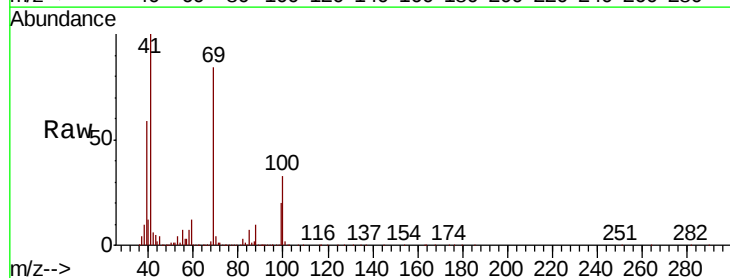
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	41	Resp:	121608
Ion Ratio	Lower	Upper	
41	100		
69	86.3	72.4	108.6
39	59.3	45.8	68.8





#49

1,4-Dioxane

Concen: 354.612 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

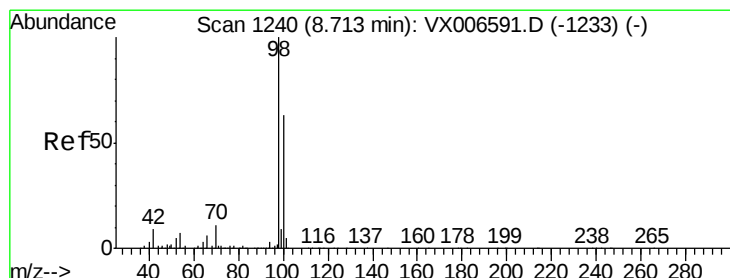
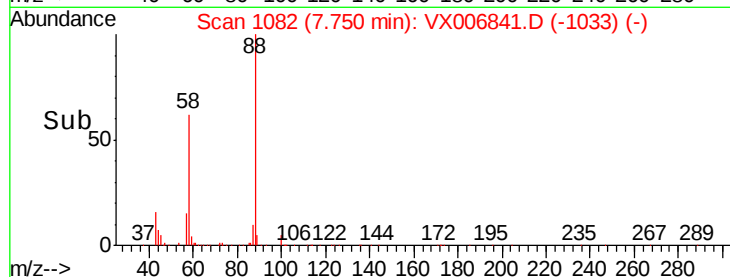
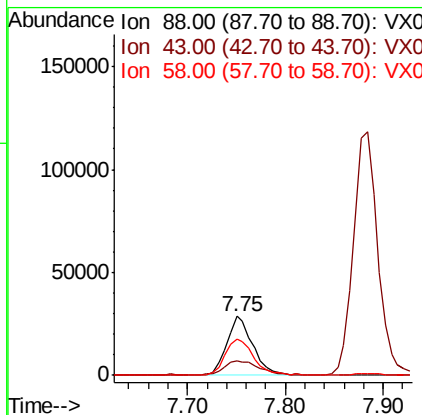
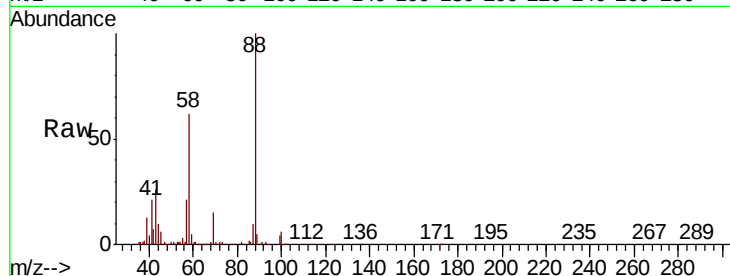
ClientSampleId :

VX1227WBSD01

Tot Ion:	88	Resp:	53615
Ion Ratio	Lower	Upper	
88	100		
43	29.5	22.2	33.4
58	66.6	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 47.620 ug/l

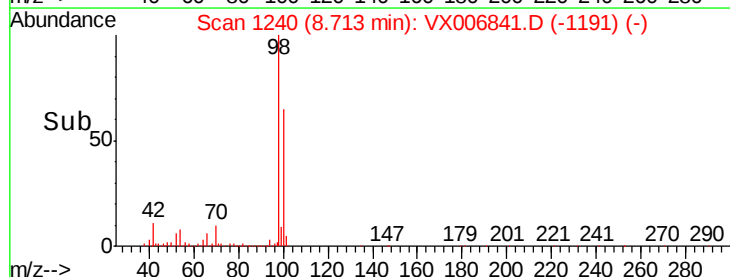
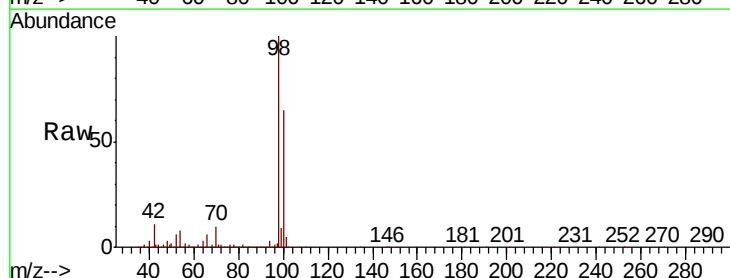
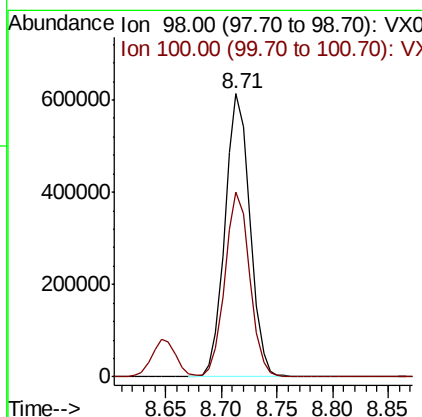
RT: 8.71 min Scan# 1240

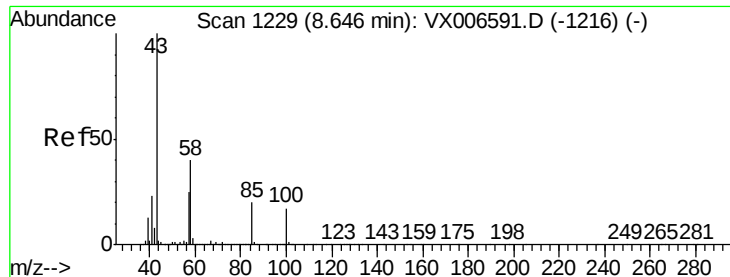
Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	98	Resp:	949240
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.0	78.0





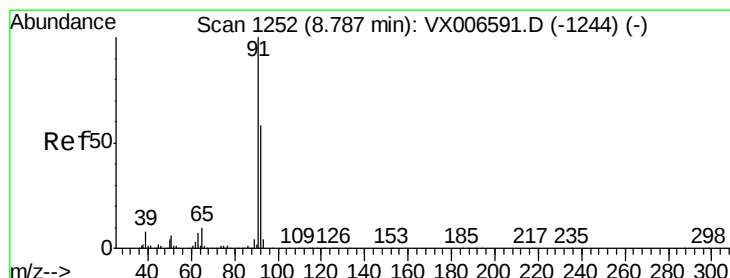
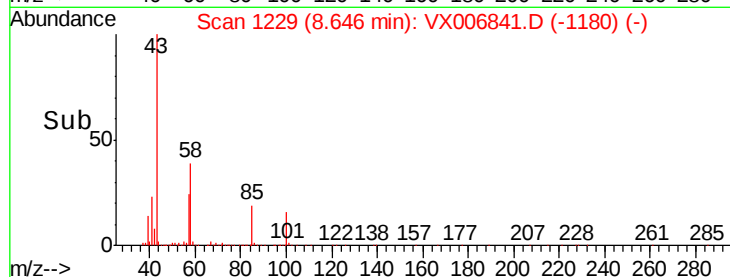
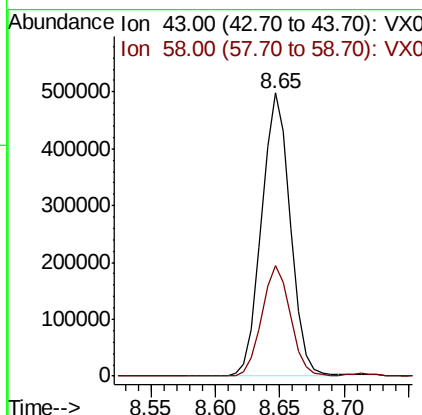
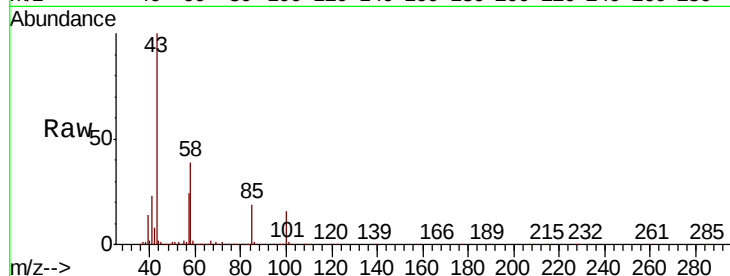
#51
4-Methyl-2-Pentanone
Concen: 110.313 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.8	47.6

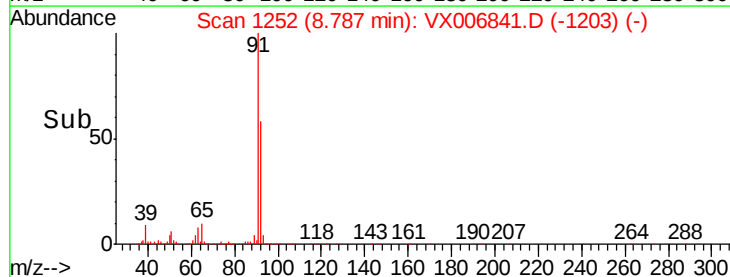
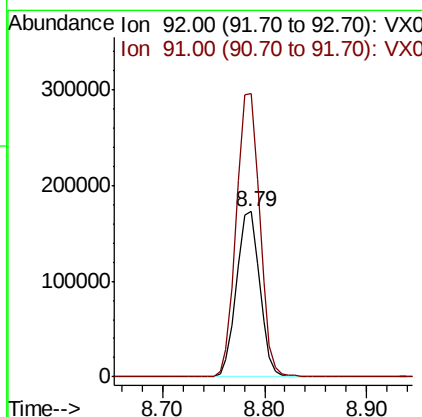
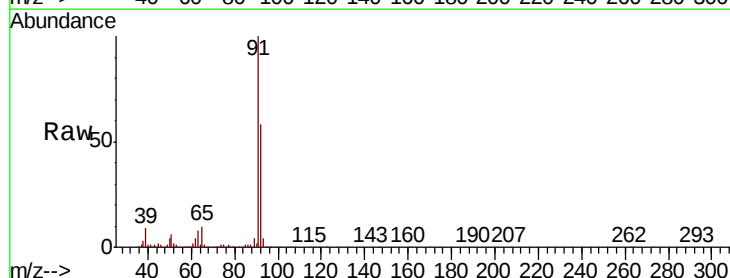
Manual Integrations
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#52
Toluene
Concen: 19.958 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 19.386 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 75 Resp: 130057

Ion Ratio Lower Upper

75 100

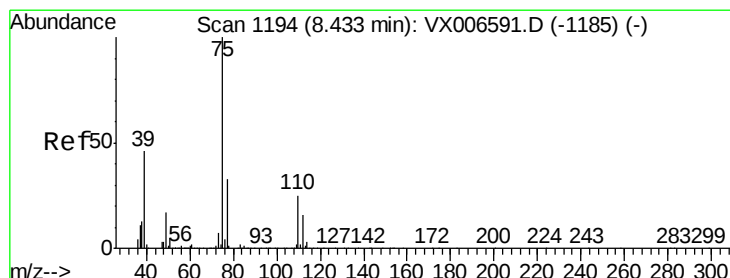
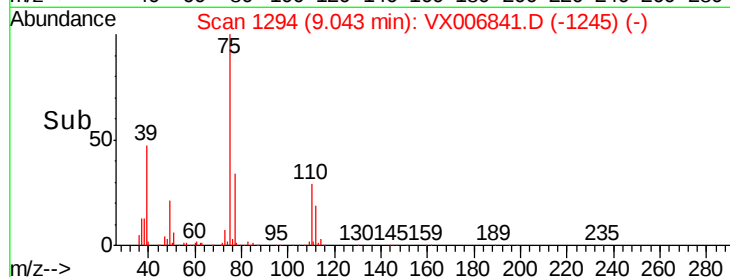
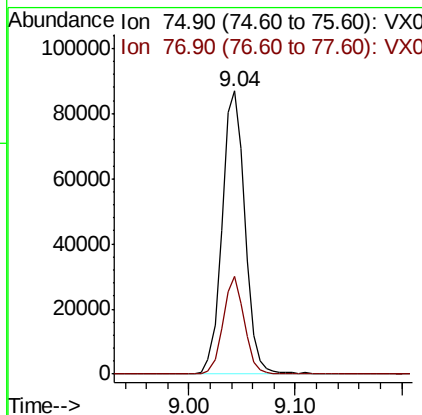
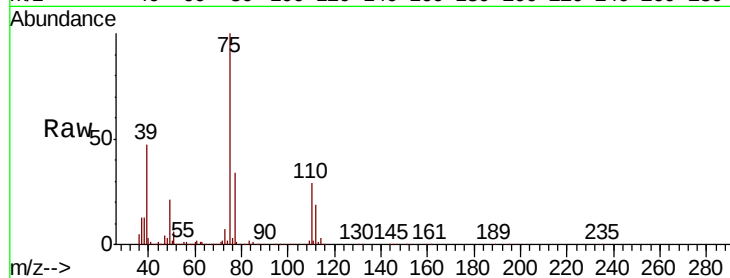
77 34.2 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.924 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

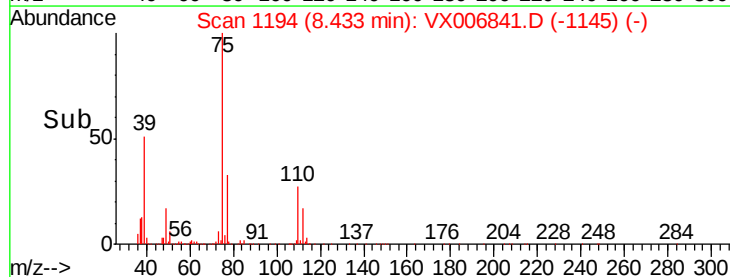
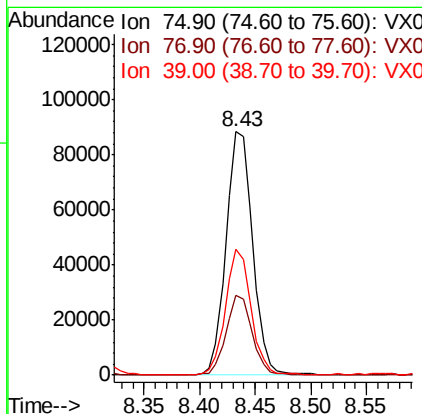
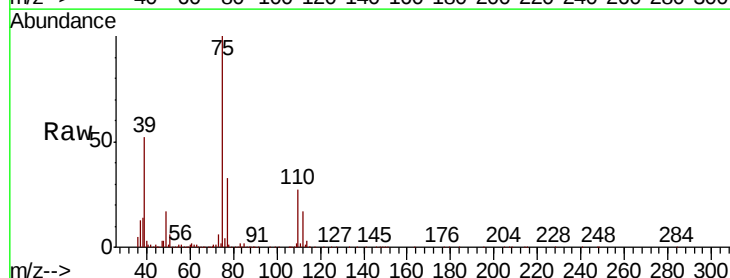
Tgt Ion: 75 Resp: 146665

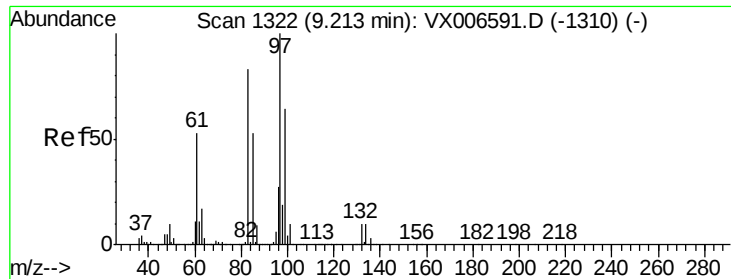
Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2

39 51.4 36.7 55.1





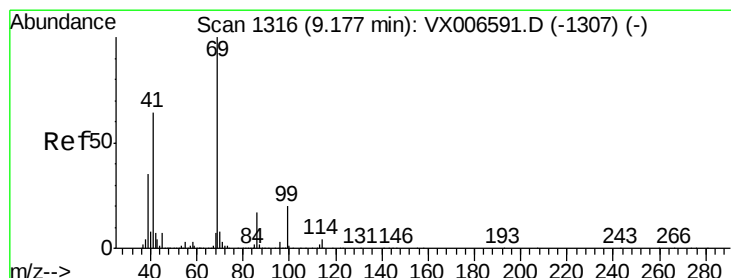
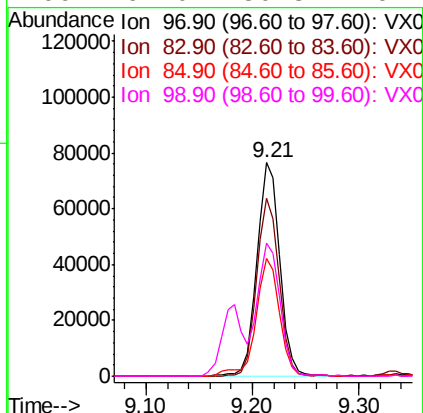
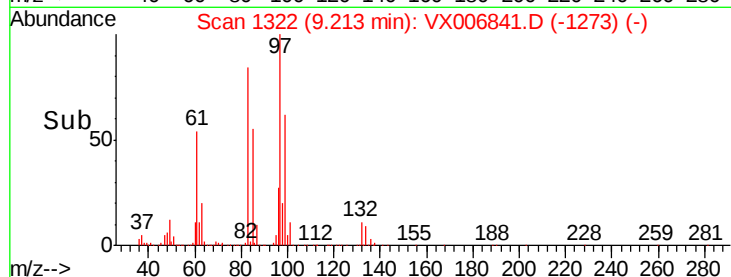
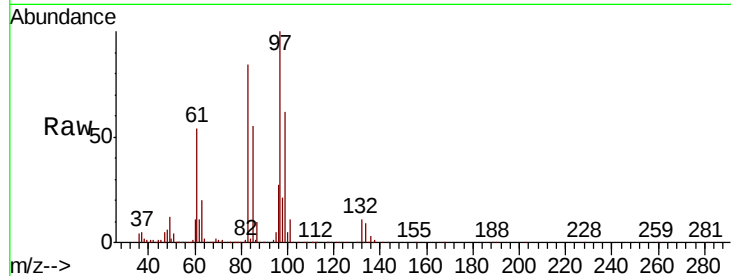
#55
1,1,2-Trichloroethane
Concen: 20.718 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		115318		
83	83.5	66.6	99.8		
85	55.0	42.7	64.1		
99	62.0	50.8	76.2		

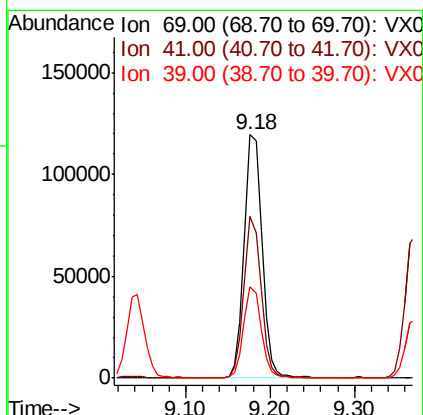
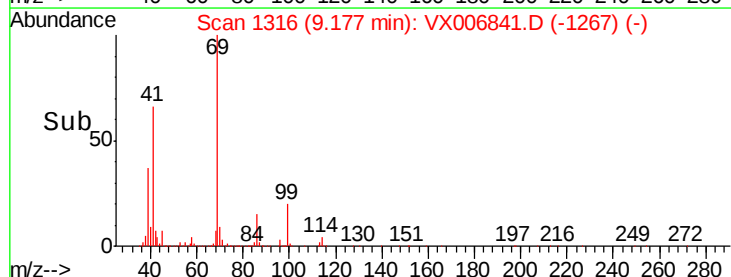
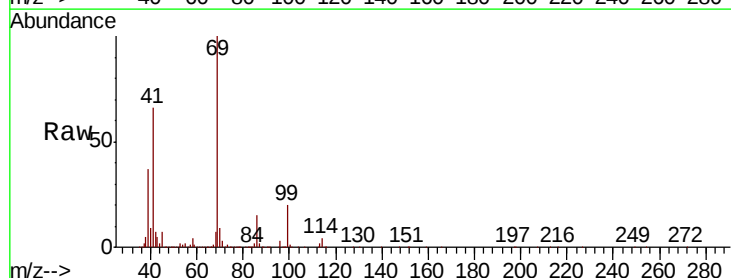
Manual Integrations
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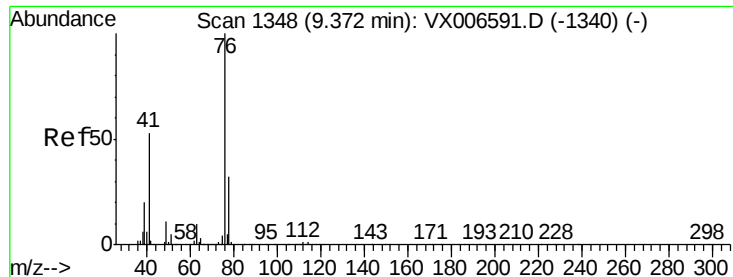
MMDadoda
12/28/2018 10:28:14 AM



#56
Ethyl methacrylate
Concen: 21.708 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		170777		
41	63.2	48.7	73.1		
39	36.1	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 20.415 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 76 Resp: 182822

Ion Ratio Lower Upper

76 100

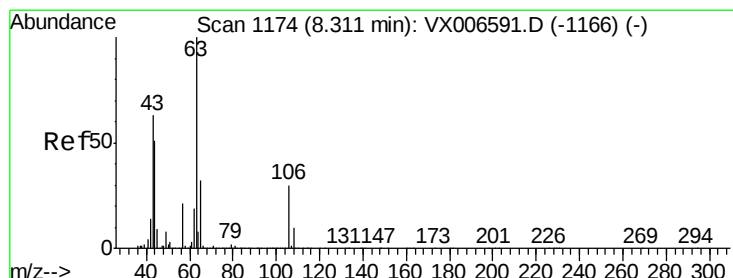
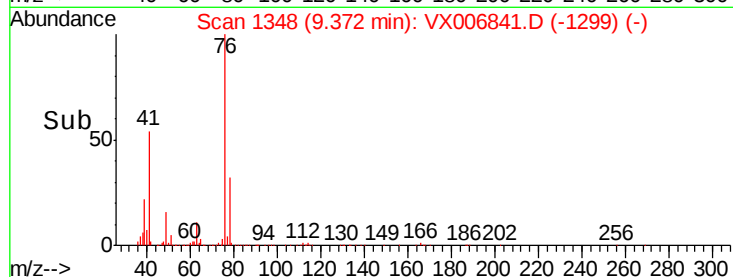
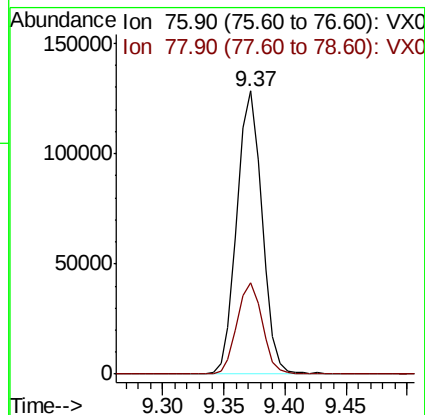
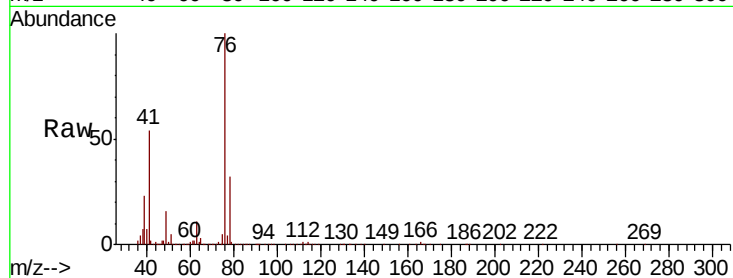
78 32.6 26.0 39.0

Manual Integrations

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12/28/2018 10:28:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 102.659 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006841.D

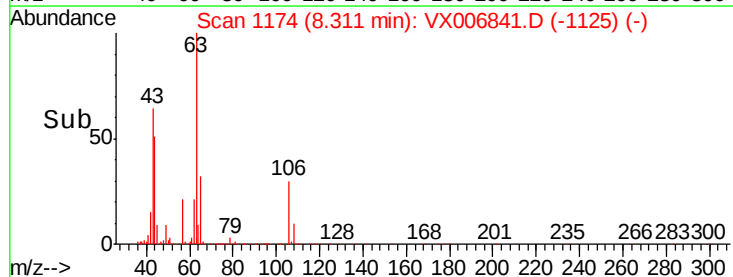
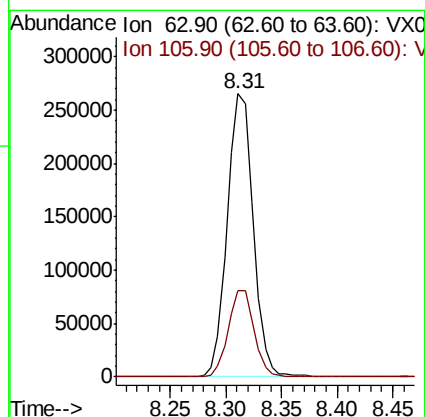
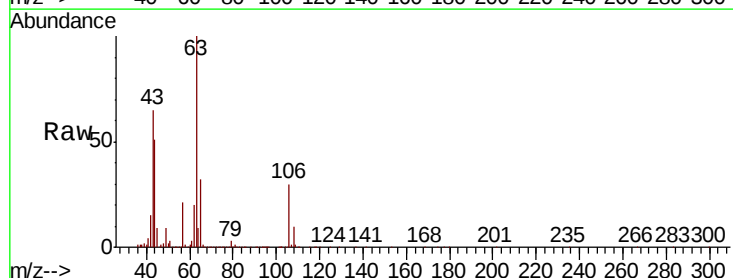
Acq: 27 Dec 2018 14:42

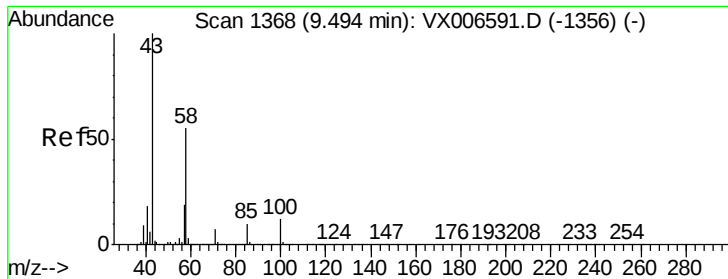
Tgt Ion: 63 Resp: 429306

Ion Ratio Lower Upper

63 100

106 30.4 24.6 36.8





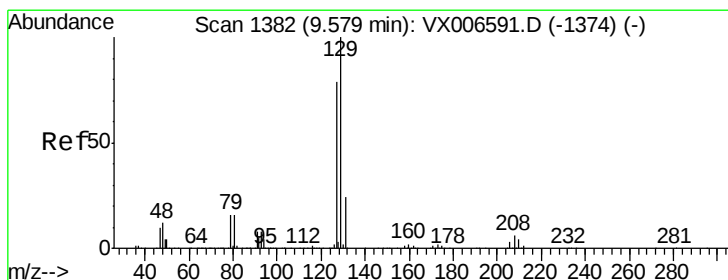
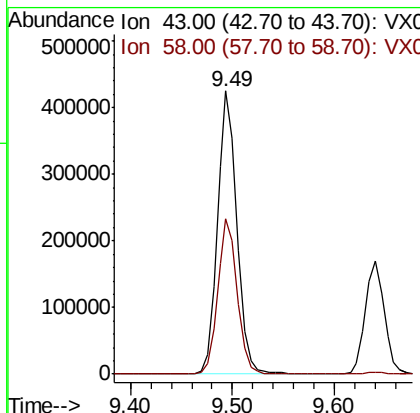
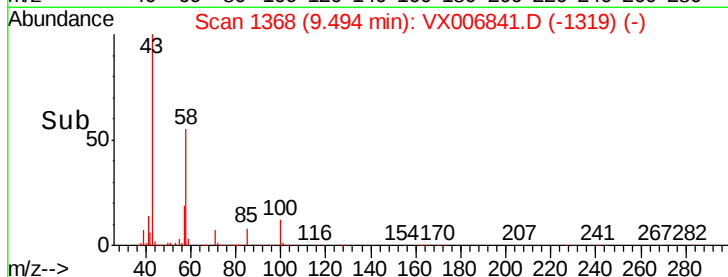
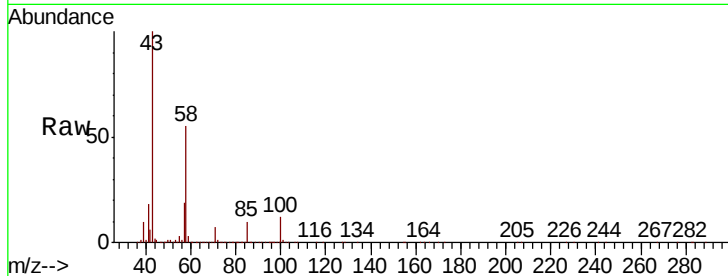
#59
2-Hexanone
Concen: 106.286 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.7	83.1

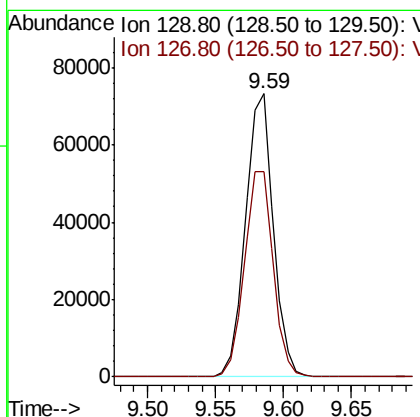
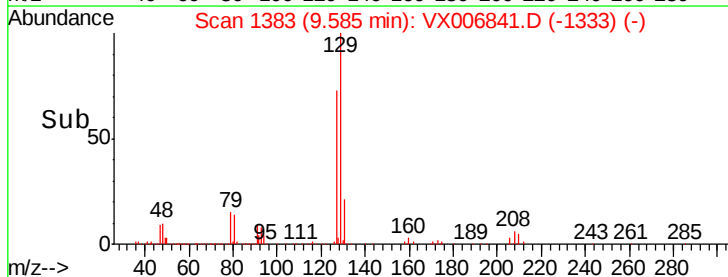
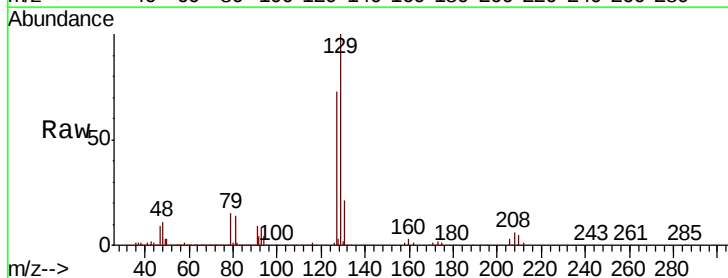
Manual Integrations
APPROVED

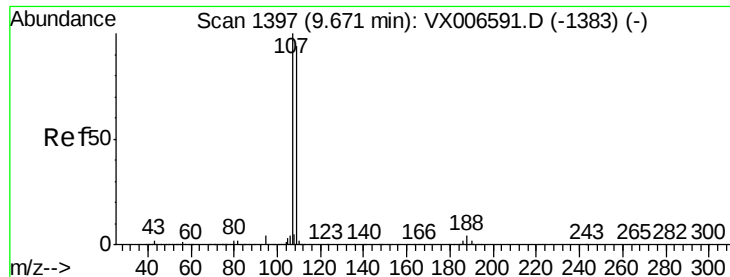
MMDadoda
12/28/2018 10:28:14 AM



#60
Dibromochloromethane
Concen: 19.498 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.4	39.3	117.8





#61

1,2-Dibromoethane

Concen: 20.380 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 107 Resp: 120588

Ion Ratio Lower Upper

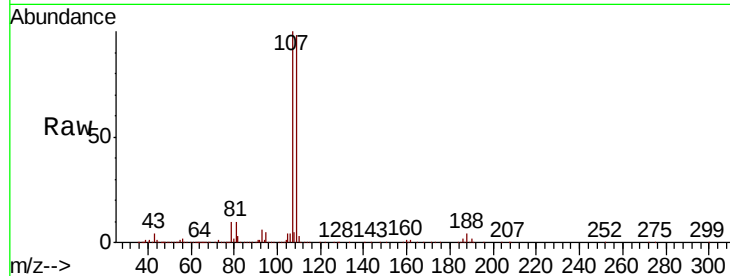
107 100

109 95.6 75.8 113.6

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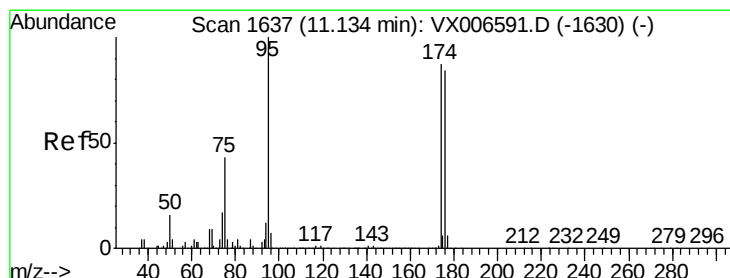
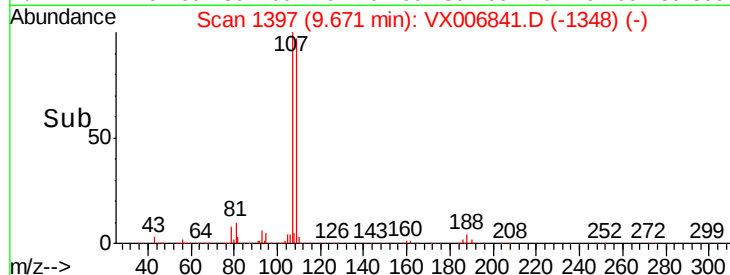
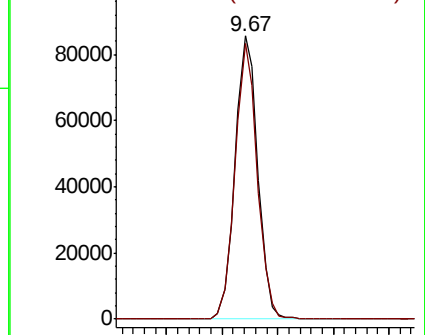
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.104 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

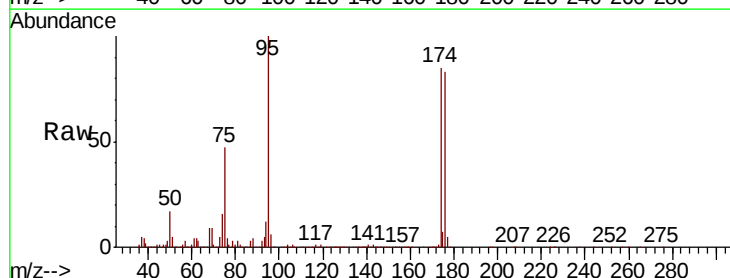
Tgt Ion: 95 Resp: 343884

Ion Ratio Lower Upper

95 100

174 94.1 0.0 182.2

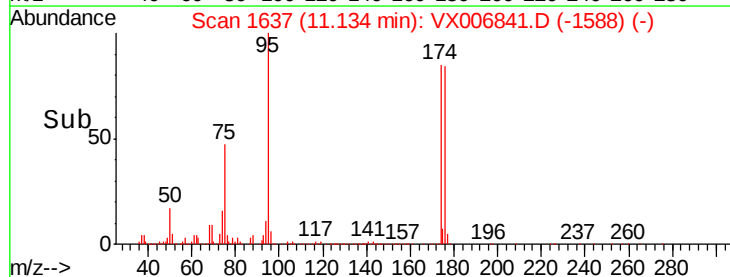
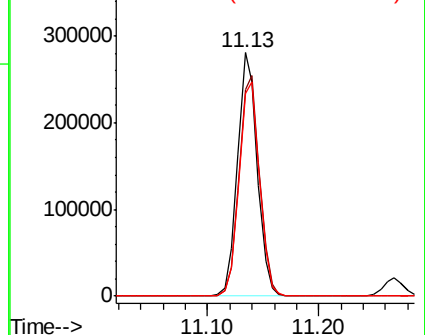
176 91.5 0.0 178.8

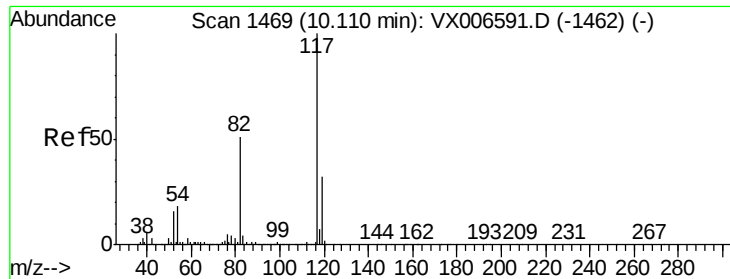


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





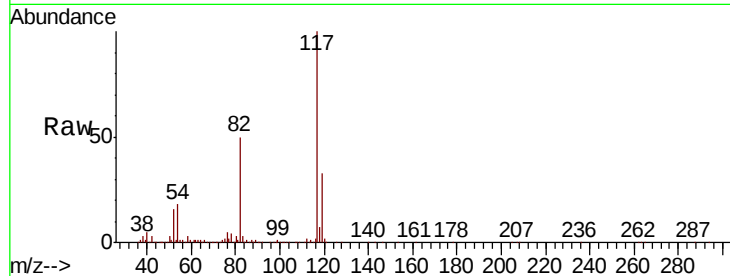
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	752298		
82	50.0		41.0	61.6
119	32.7		25.4	38.0

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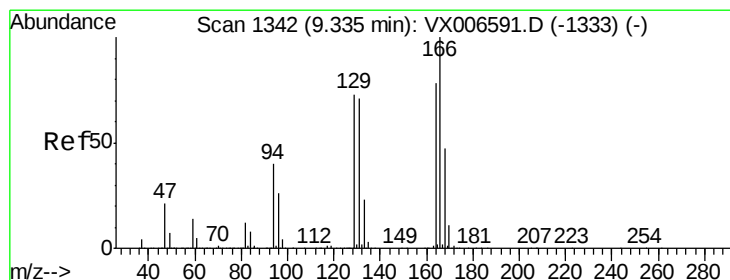
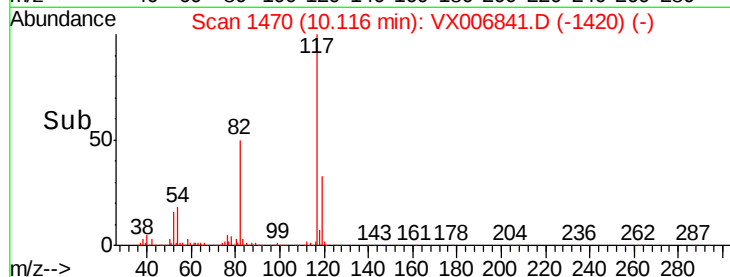
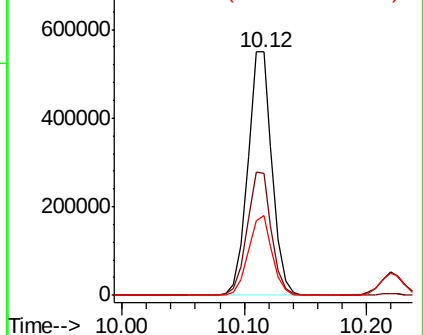


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.683 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111297		
166	126.1		102.5	153.7
129	90.8		75.1	112.7
131	84.0		72.7	109.1

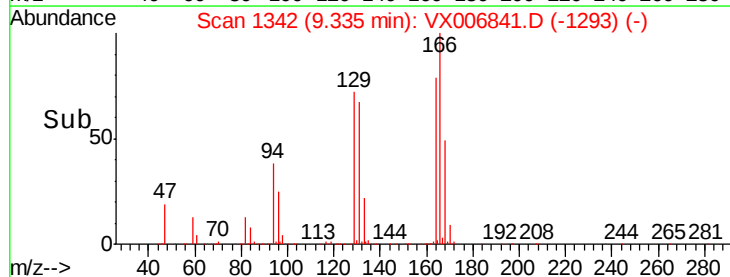
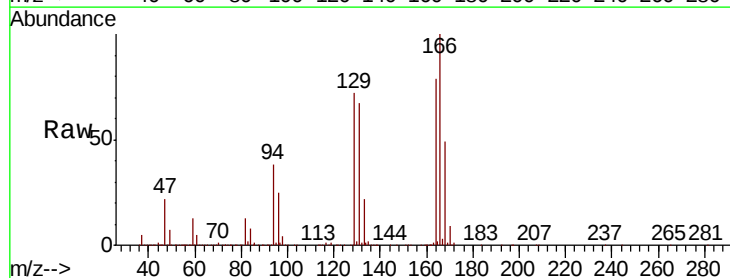
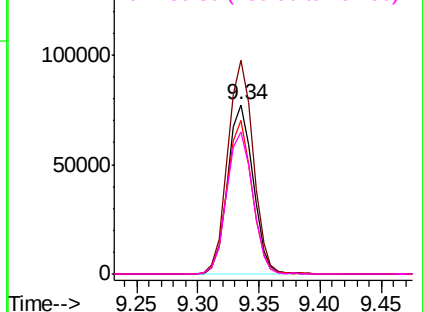
Abundance

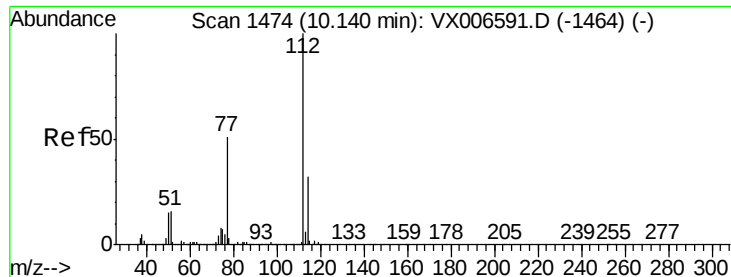
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





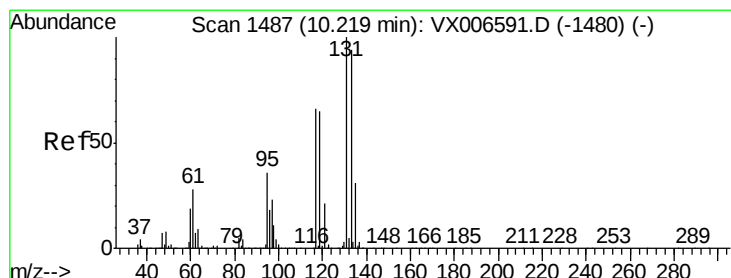
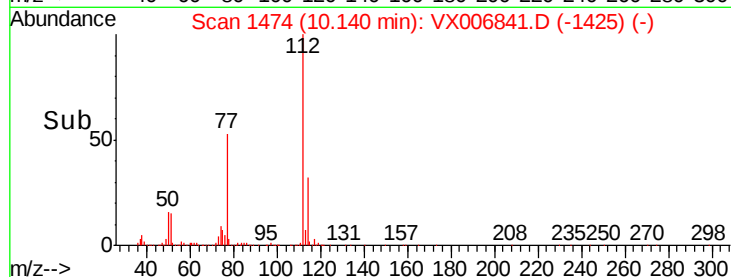
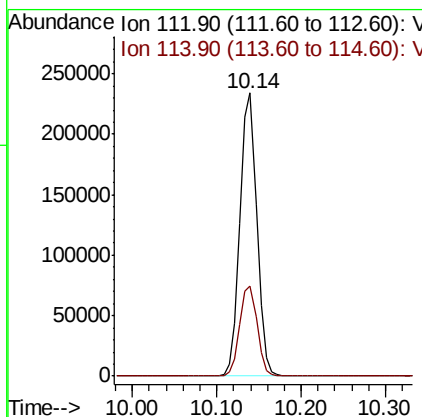
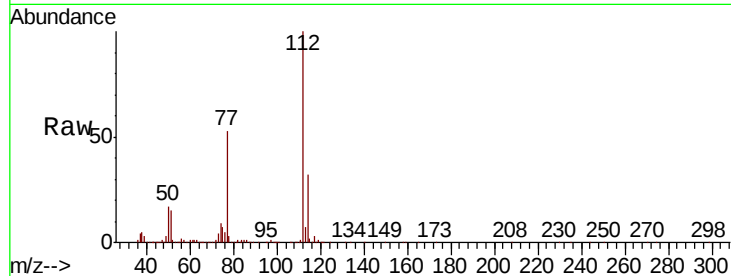
#65
Chlorobenzene
Concen: 19.671 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.7	38.5

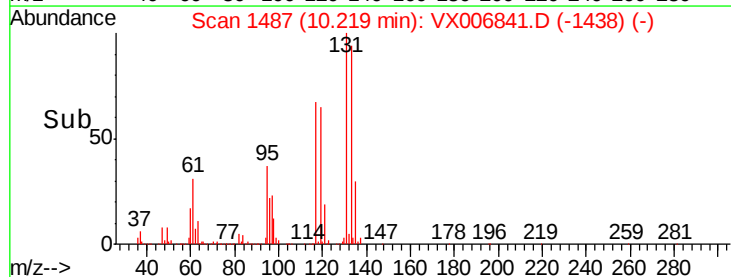
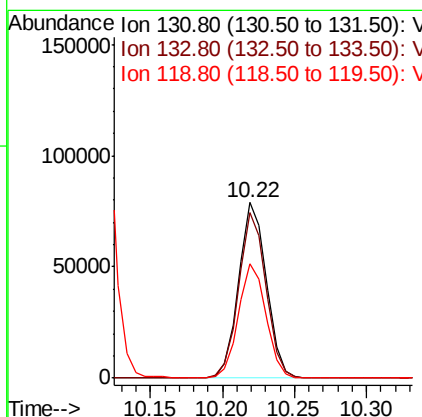
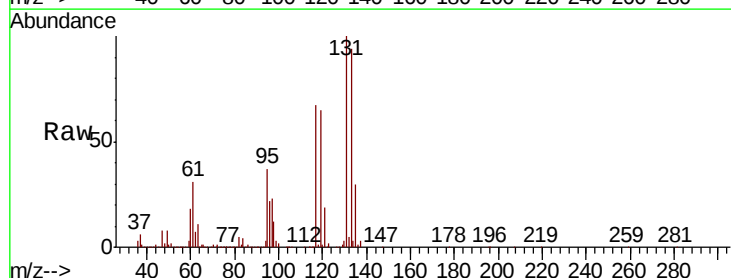
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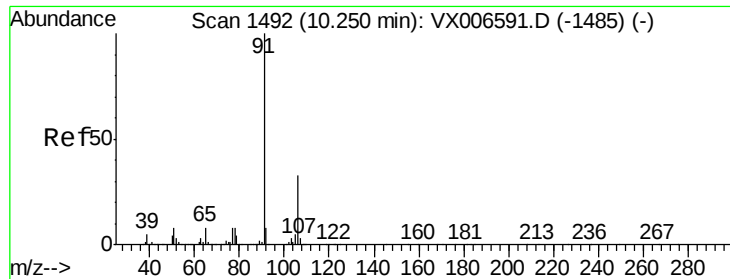
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.388 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.0	144.2
119	64.1	32.6	97.8





#67

Ethyl Benzene

Concen: 19.493 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 91 Resp: 506965

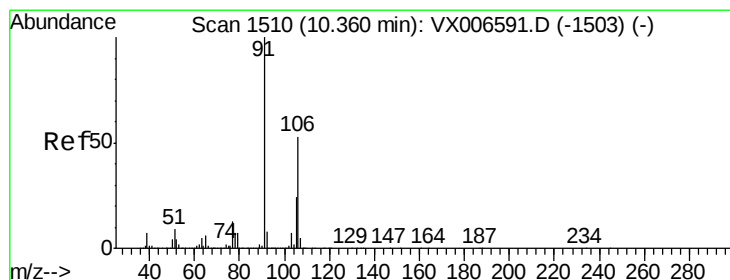
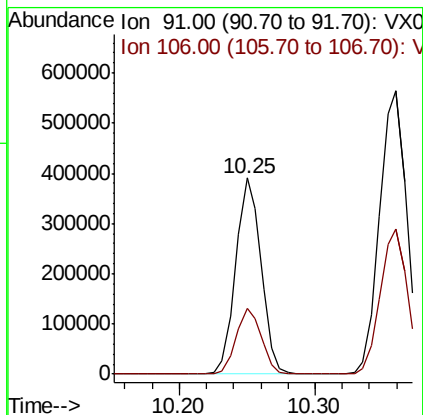
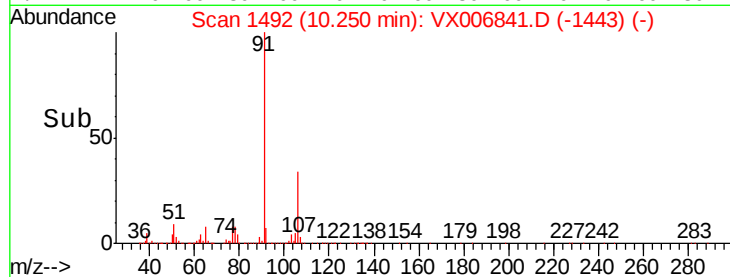
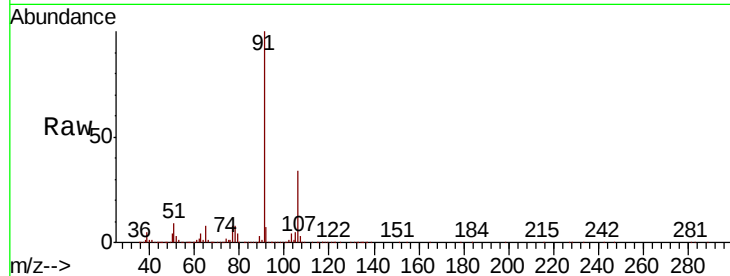
Ion Ratio Lower Upper

91 100

106 33.8 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.927 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006841.D

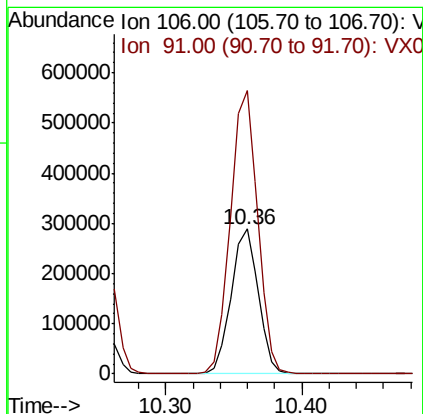
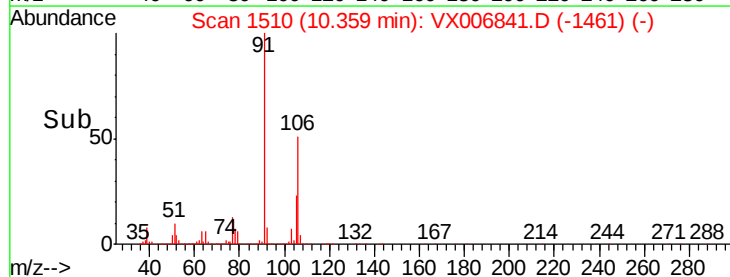
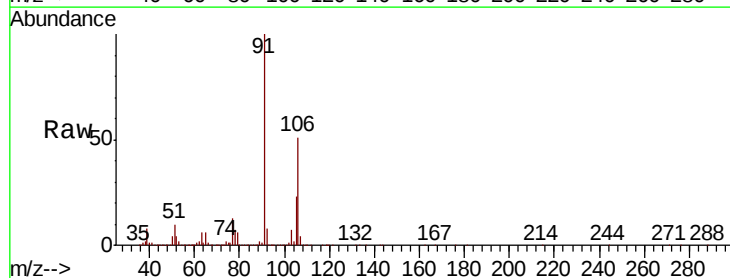
Acq: 27 Dec 2018 14:42

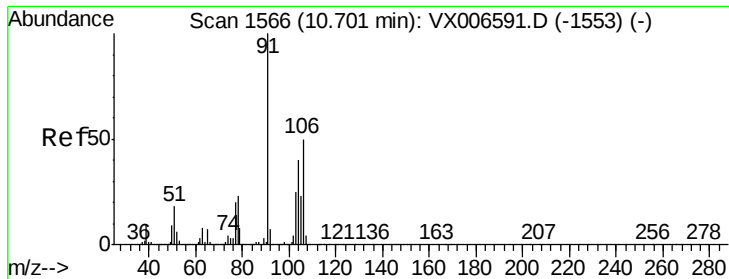
Tgt Ion: 106 Resp: 399479

Ion Ratio Lower Upper

106 100

91 196.8 155.8 233.6





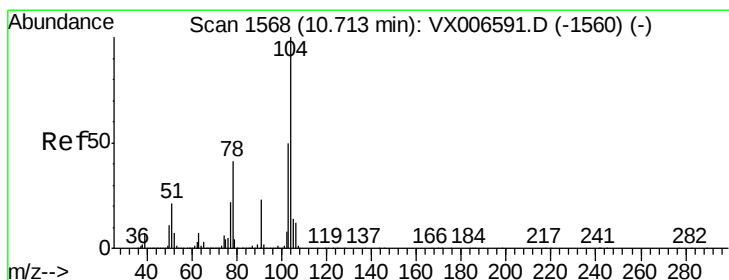
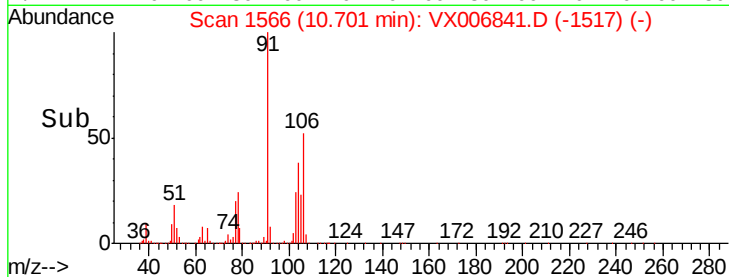
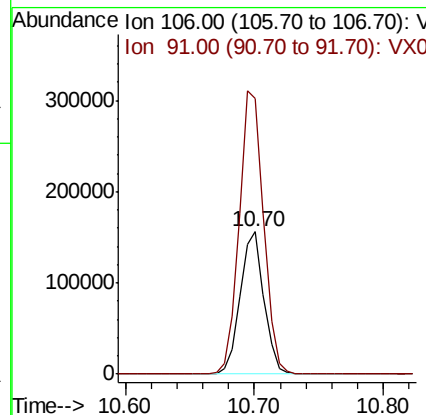
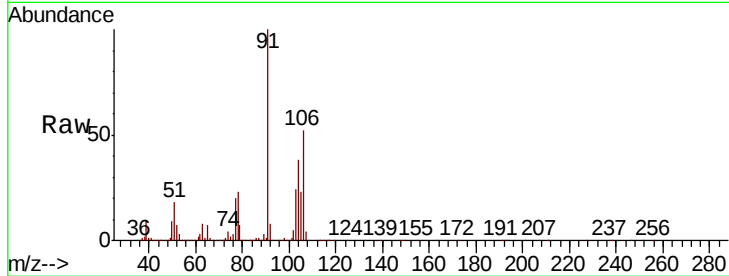
#69
o-Xylene
Concen: 19.744 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.2	101.3	303.7

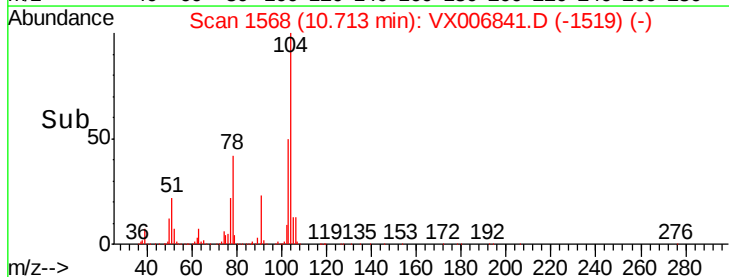
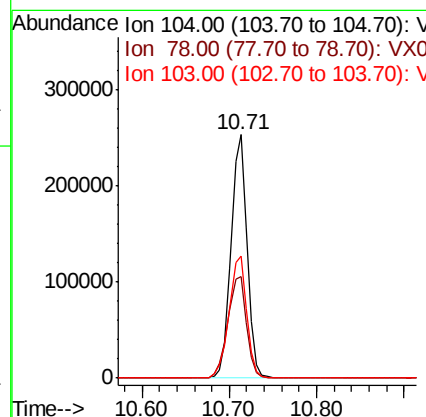
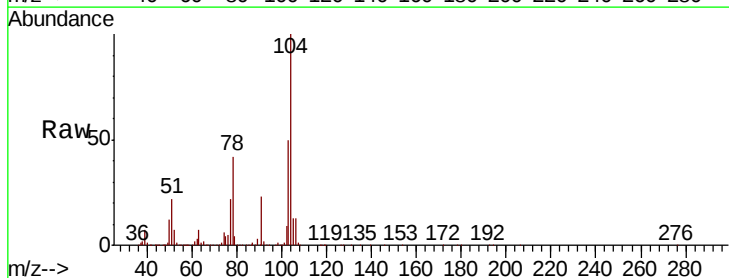
Manual Integrations
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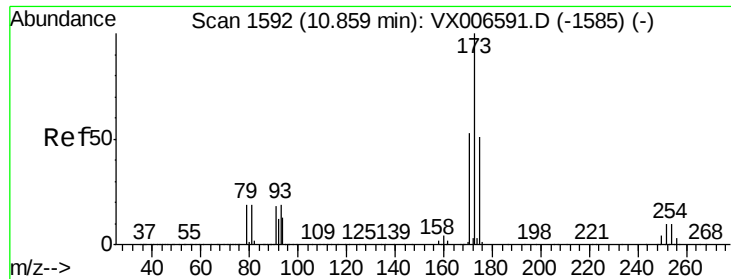
MMDadoda
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#70
Styrene
Concen: 20.080 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	37.7	56.5
103	55.4	43.8	65.8





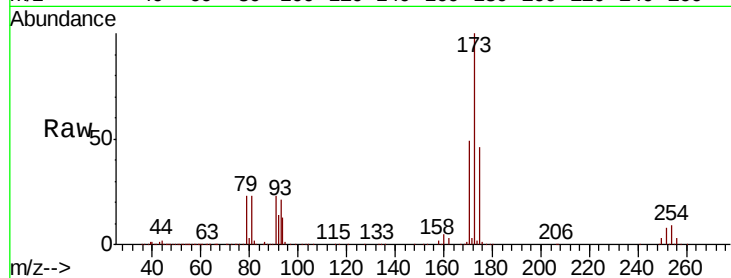
#71
Bromoform
Concen: 19.280 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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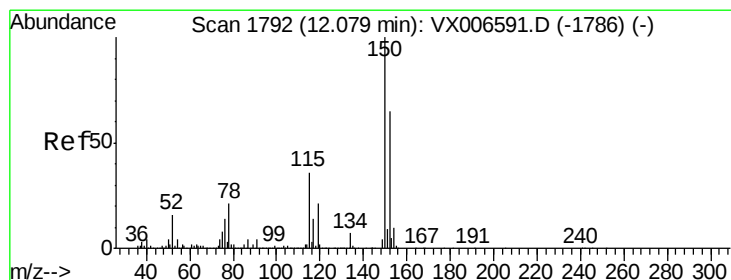
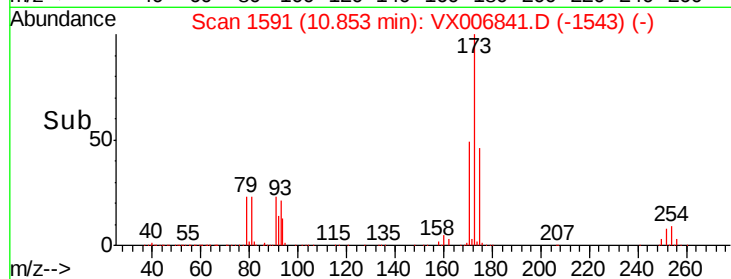
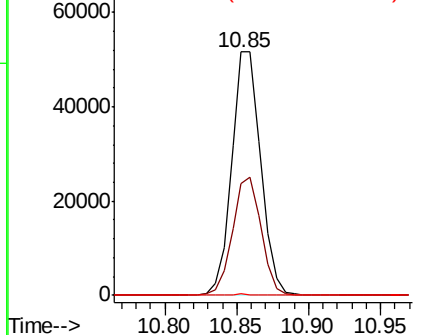


Abundance

Ion 172.70 (172.40 to 173.40): V

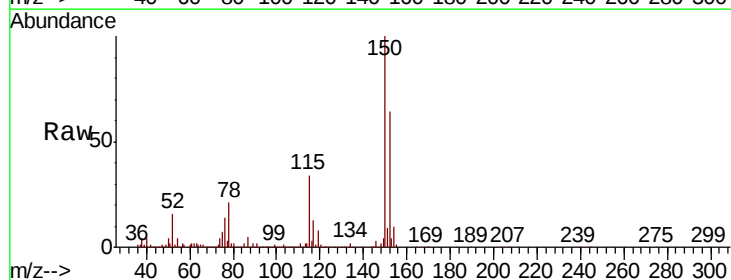
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	39.1	117.2
150	162.8	0.0	344.8

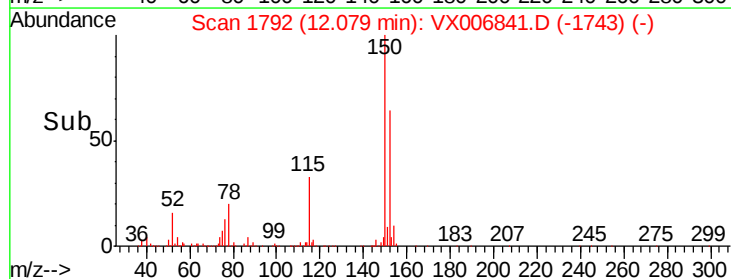
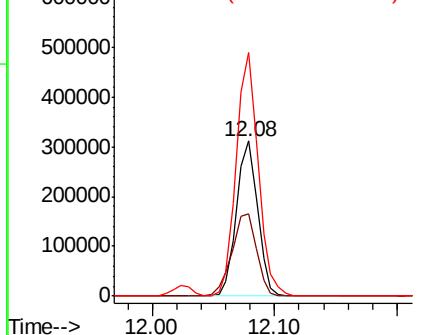


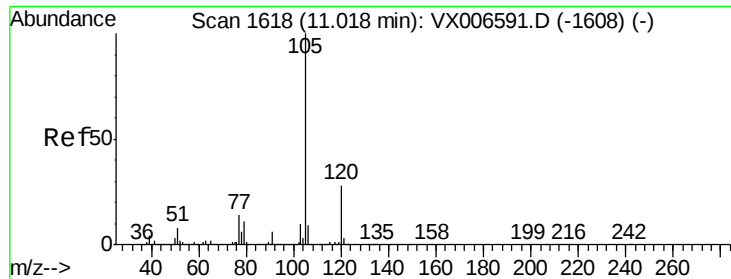
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.593 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion:105 Resp: 496107

Ion Ratio Lower Upper

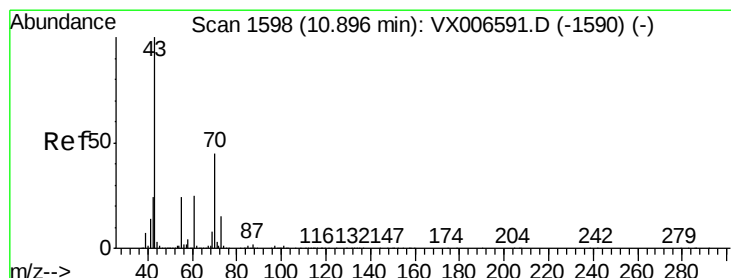
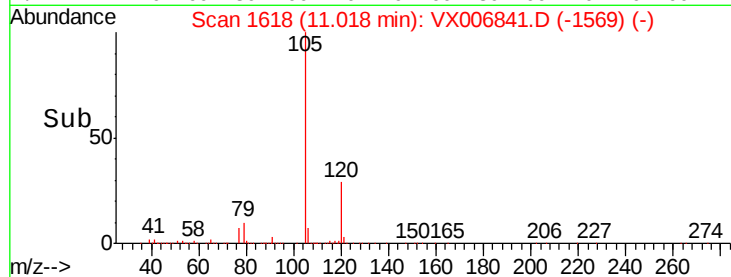
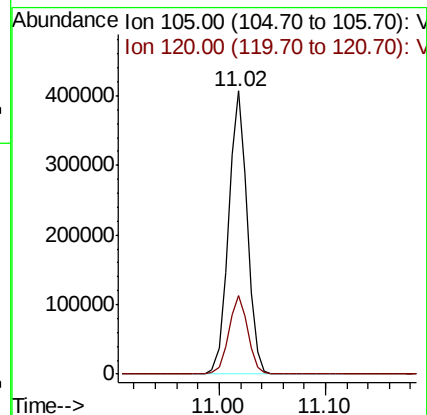
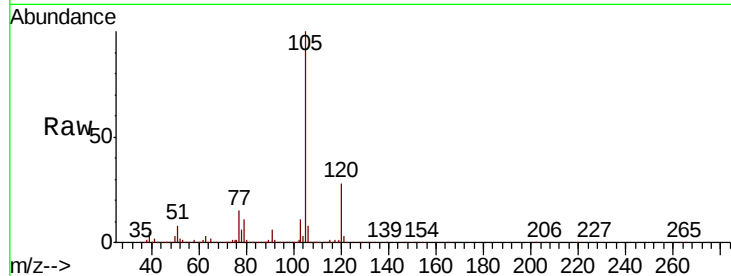
105 100

120 28.2 14.1 42.4

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#74

N-ethyl acetate

Concen: 23.508 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion: 43 Resp: 213056

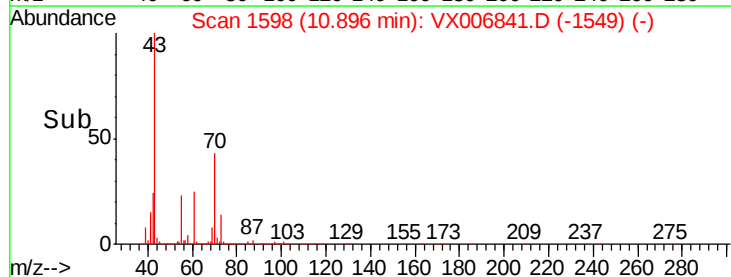
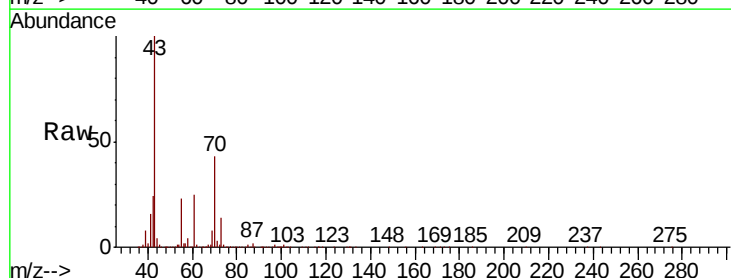
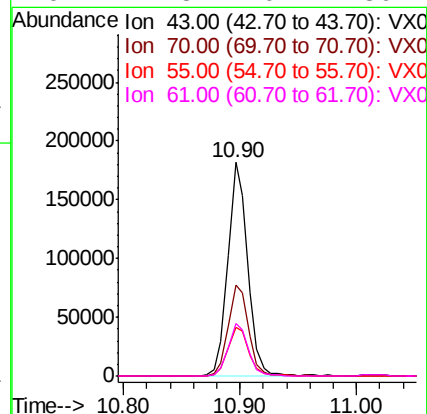
Ion Ratio Lower Upper

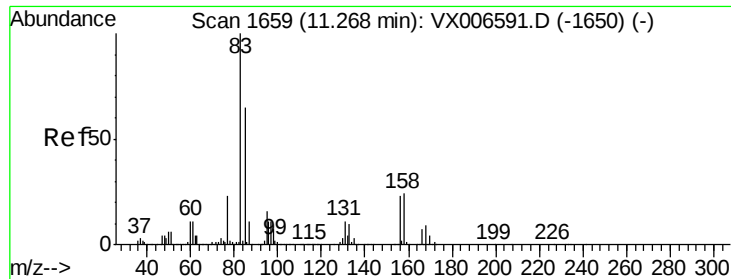
43 100

70 44.1 35.8 53.8

55 23.5 19.4 29.0

61 24.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.116 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 83 Resp: 166538

Ion Ratio Lower Upper

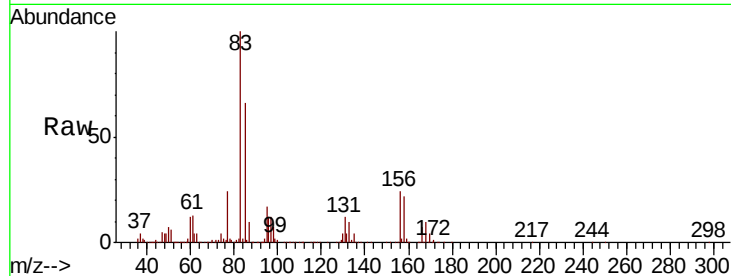
83 100

131 11.0 5.7 17.1

85 65.9 32.2 96.6

Manual Integrations
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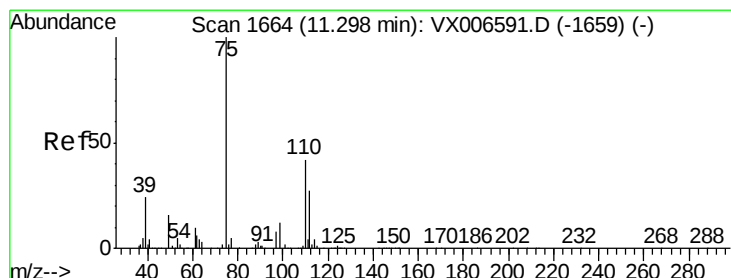
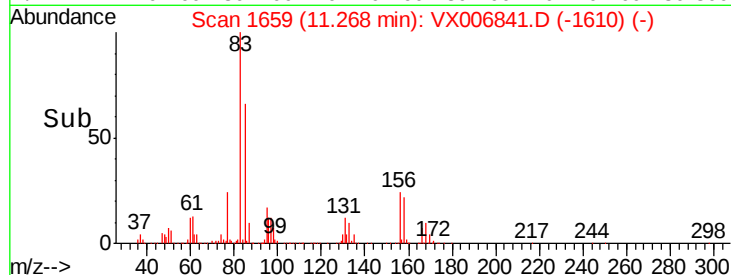
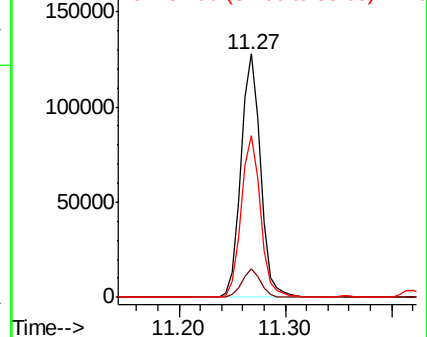
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12/28/2018 10:28:14 AM



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: 22.258 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006841.D

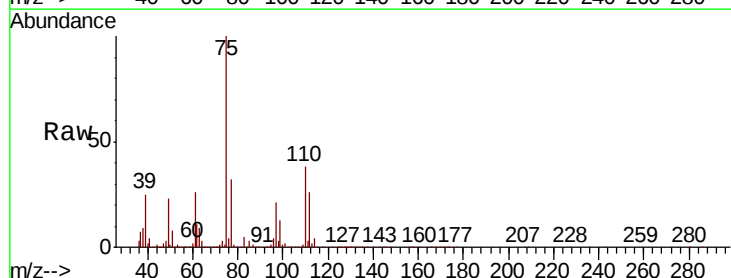
Acq: 27 Dec 2018 14:42

Tgt Ion: 75 Resp: 153093

Ion Ratio Lower Upper

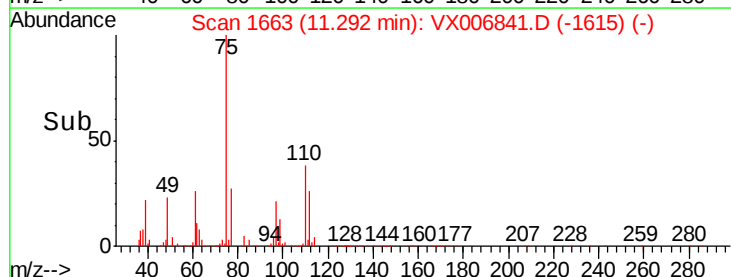
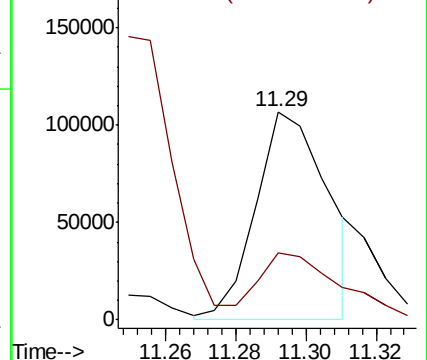
75 100

77 35.9 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: 21.136 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

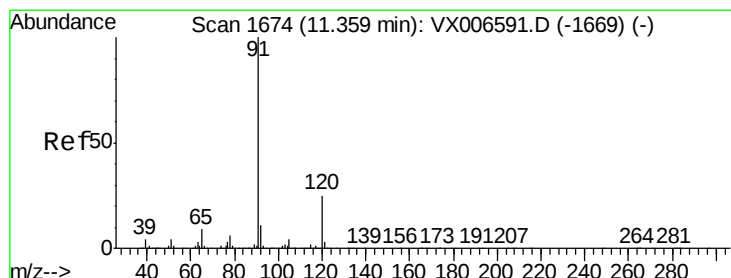
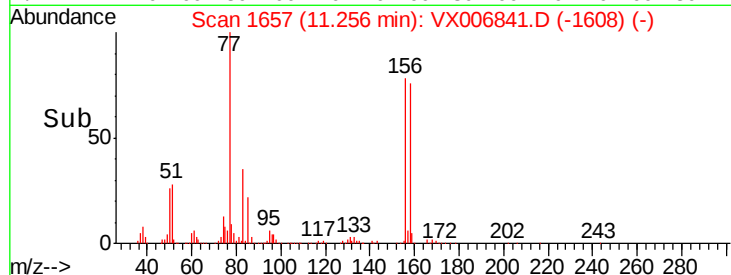
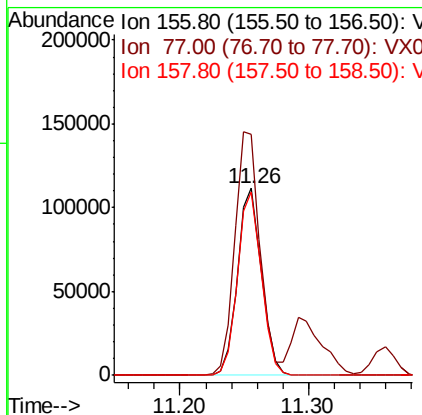
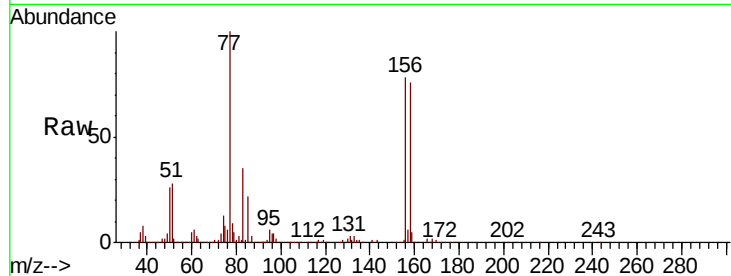
ClientSampleId :

VX1227WBSD01

Tot Ion:	156	Resp:	144685
Ion Ratio	Lower	Upper	
156	100		
77	135.0	68.0	204.0
158	97.2	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.648 ug/l

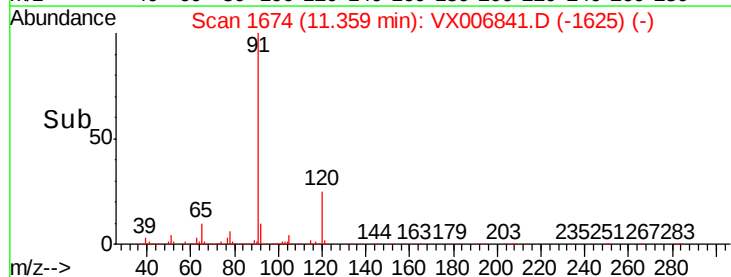
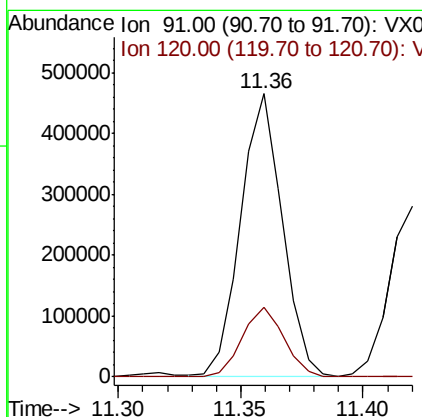
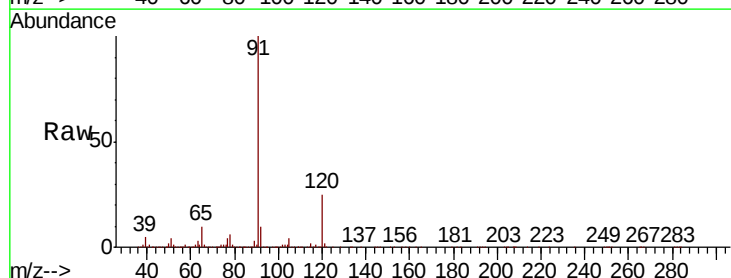
RT: 11.36 min Scan# 1674

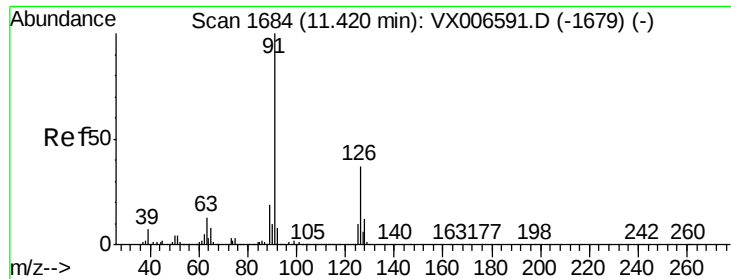
Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	91	Resp:	547822
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.790 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion: 91 Resp: 334390

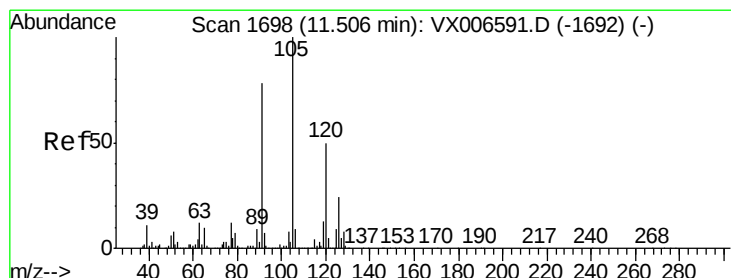
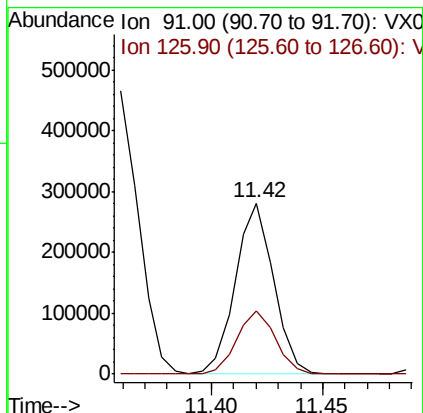
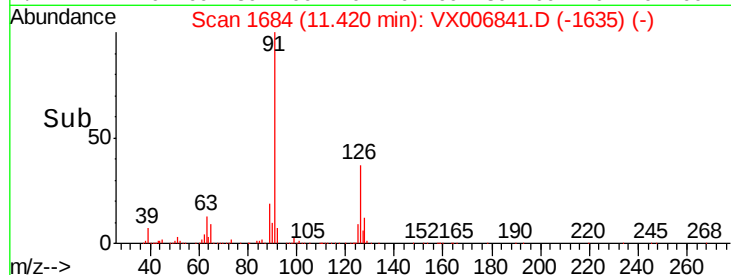
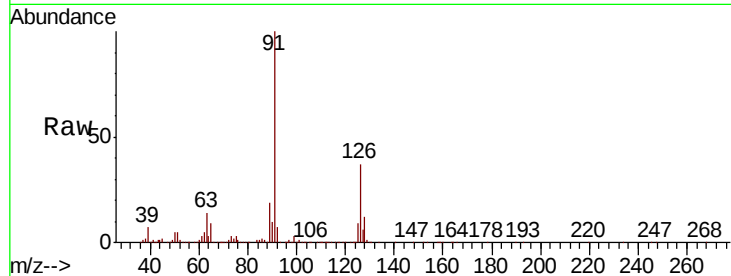
Ion Ratio Lower Upper

91 100

126 38.0 18.6 56.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.129 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006841.D

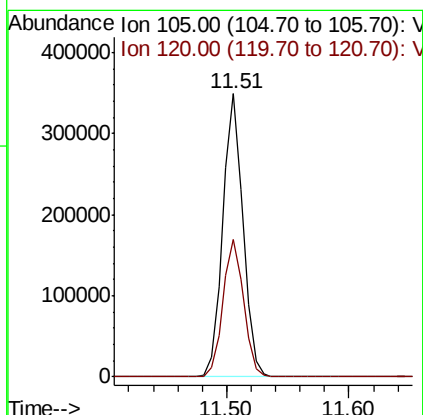
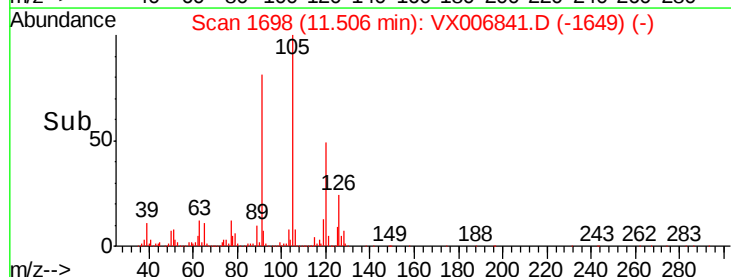
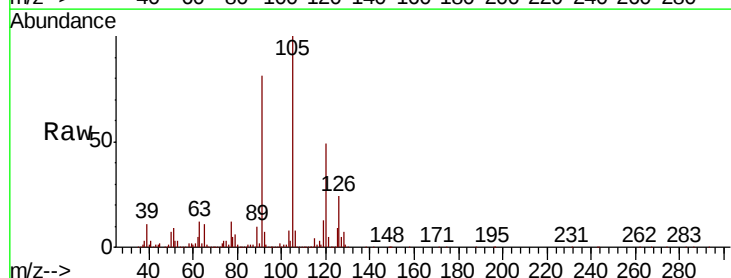
Acq: 27 Dec 2018 14:42

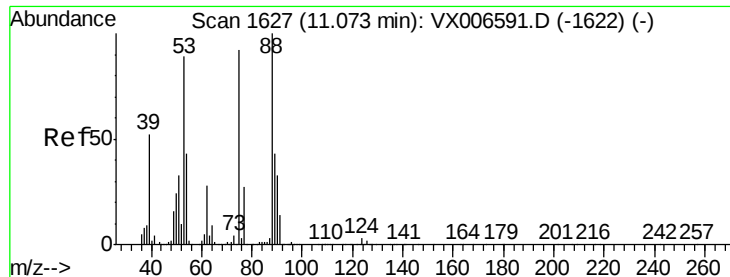
Tgt Ion: 105 Resp: 398932

Ion Ratio Lower Upper

105 100

120 49.9 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.920 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

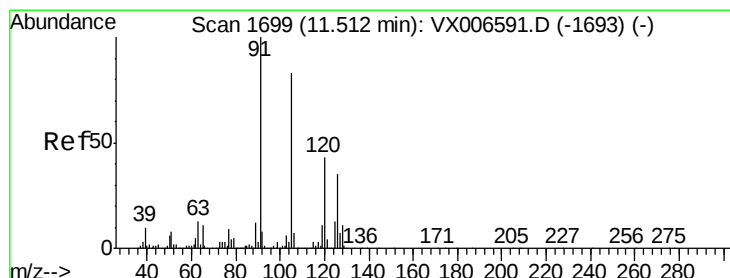
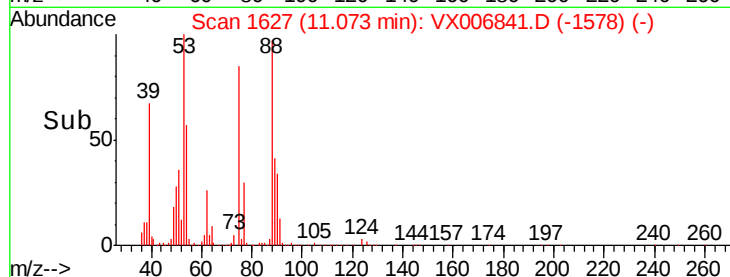
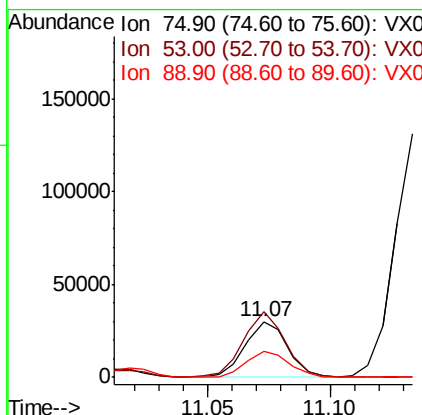
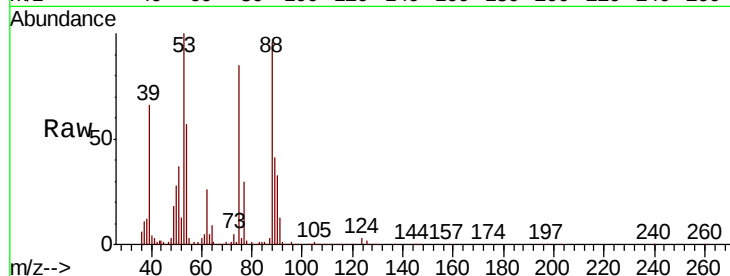
ClientSampleId :

VX1227WBSD01

Tot Ion:	75	Resp:	36267
Ion Ratio	Lower	Upper	
75	100		
53	113.5	79.7	119.5
89	47.8	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.923 ug/l

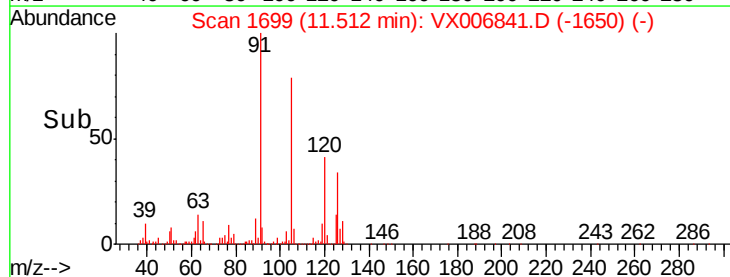
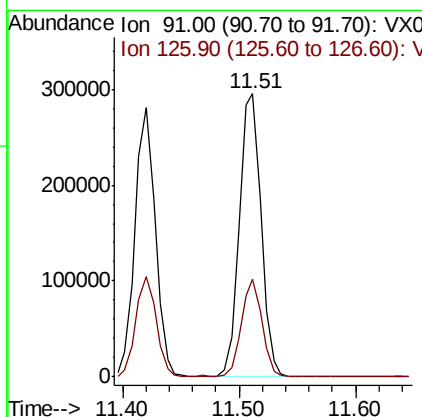
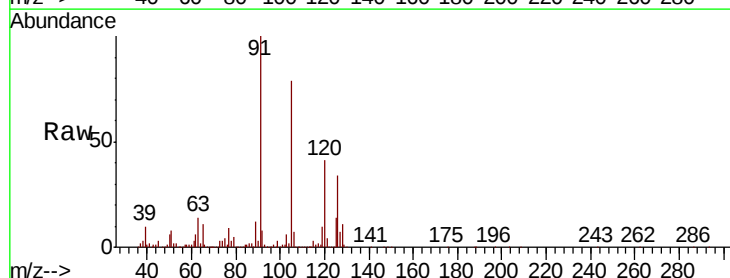
RT: 11.51 min Scan# 1699

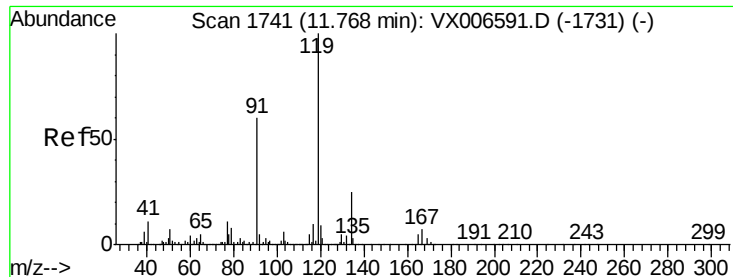
Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	91	Resp:	386142
Ion Ratio	Lower	Upper	
91	100		
126	32.4	16.3	48.9





#83

tert-Butylbenzene

Concen: 18.948 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

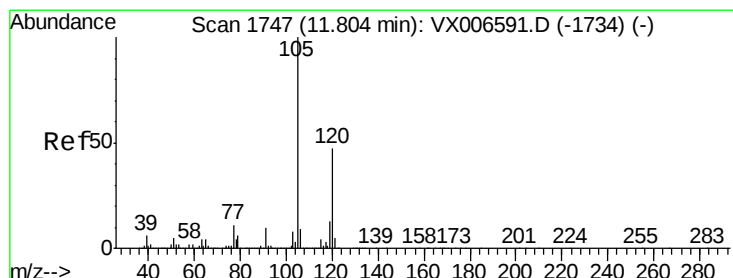
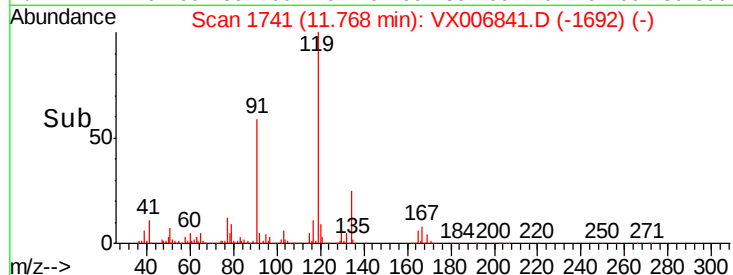
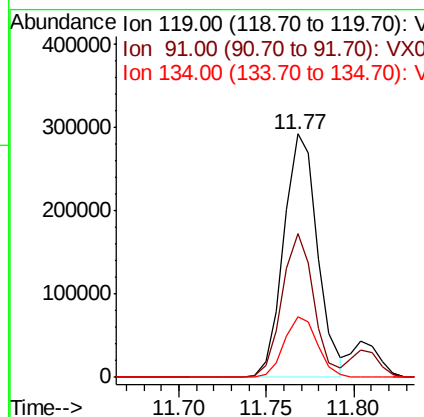
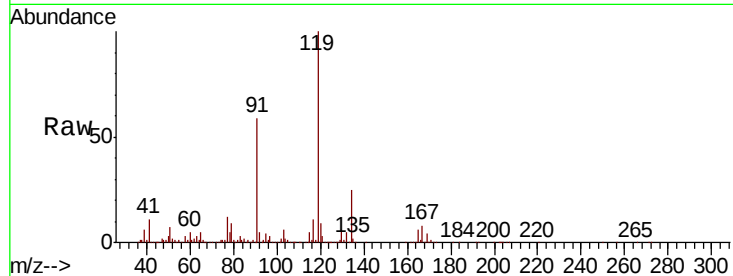
ClientSampleId :

VX1227WBSD01

Tot Ion:	119	Resp:	395503
Ion Ratio	Lower	Upper	
119	100		
91	55.4	27.7	83.1
134	24.7	11.9	35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.045 ug/l

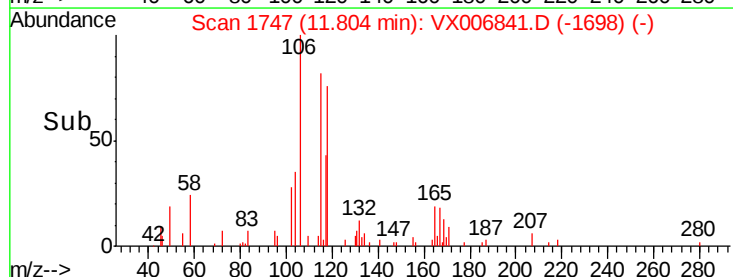
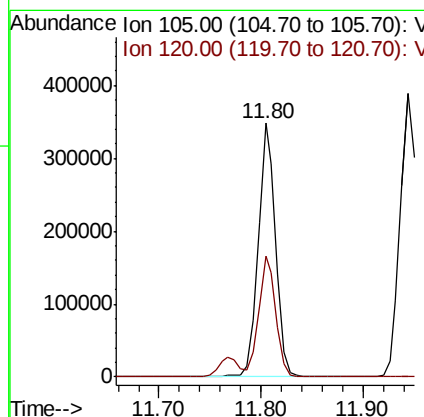
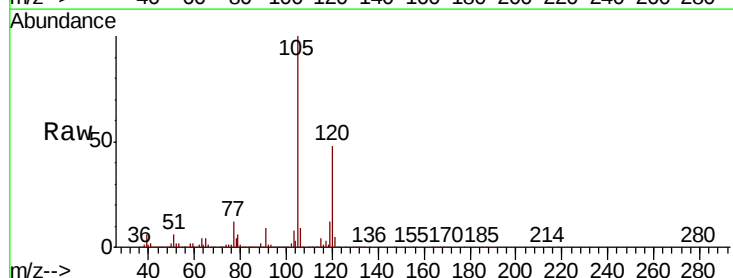
RT: 11.80 min Scan# 1747

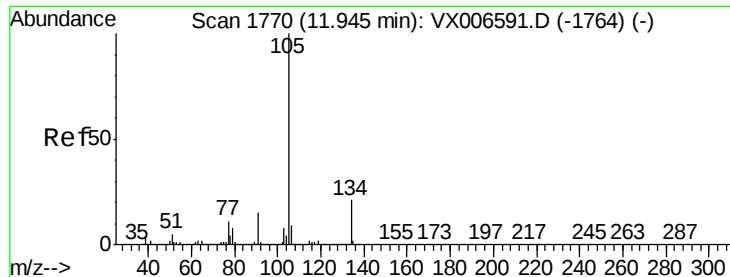
Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	105	Resp:	417778
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.2	69.6





#85

sec-Butylbenzene

Concen: 17.919 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBSD01

Tot Ion:105 Resp: 458582

Ion Ratio Lower Upper

105 100

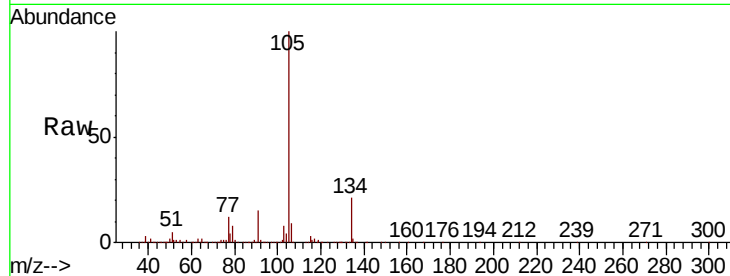
134 21.5 10.7 31.9

Manual Integrations

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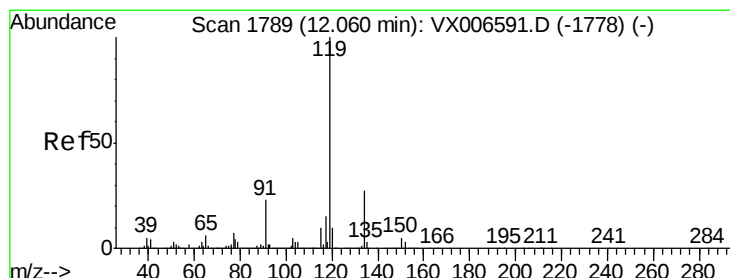
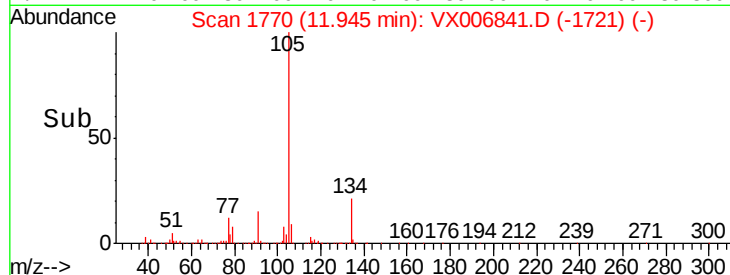
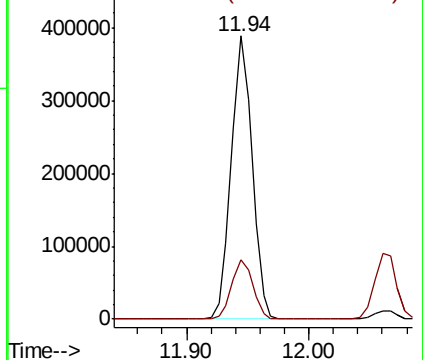
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.247 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

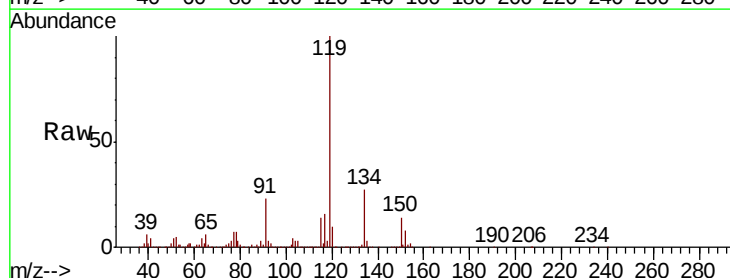
Tgt Ion:119 Resp: 410469

Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

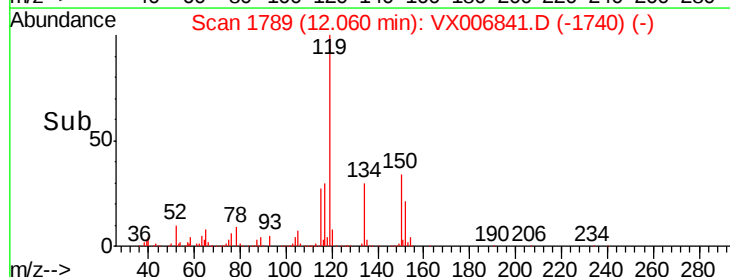
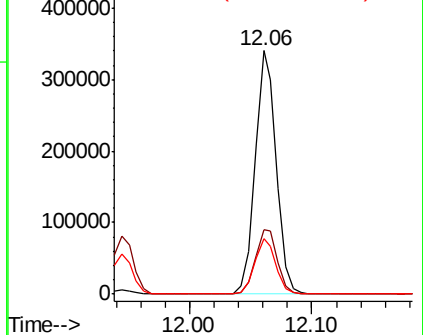
91 22.6 11.3 33.9

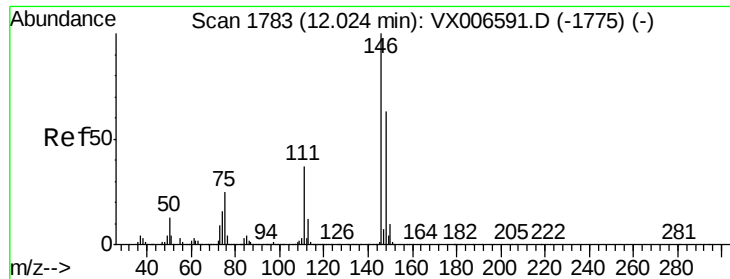


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





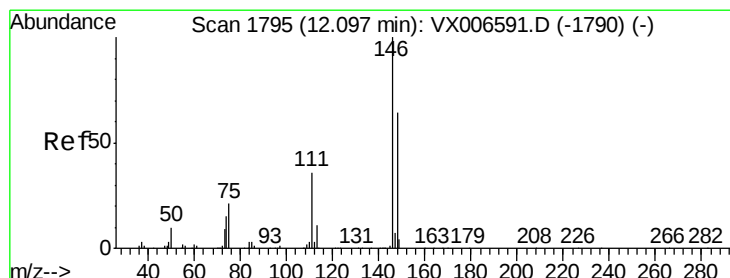
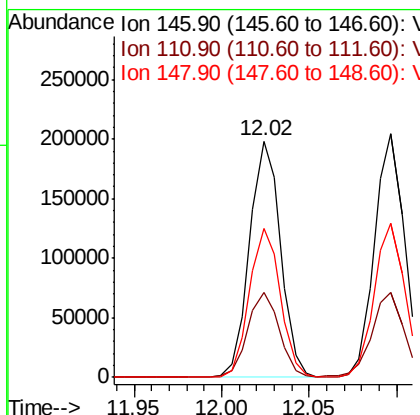
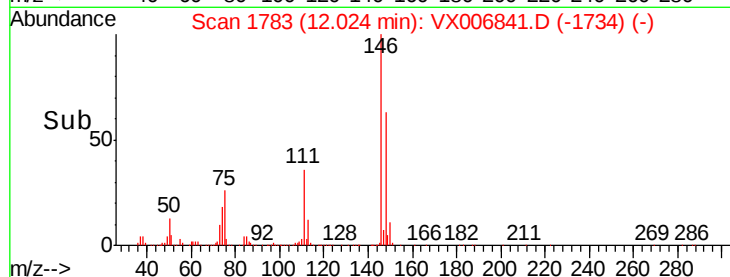
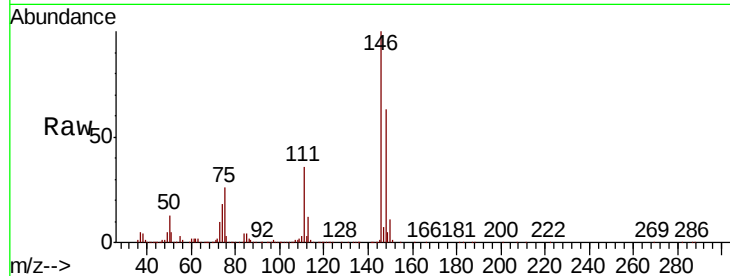
#87
 1,3-Dichlorobenzene
 Concen: 19.901 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006841.D
 Acq: 27 Dec 2018 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	62.9	31.8	95.3

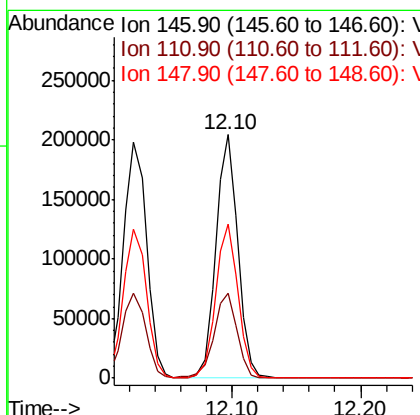
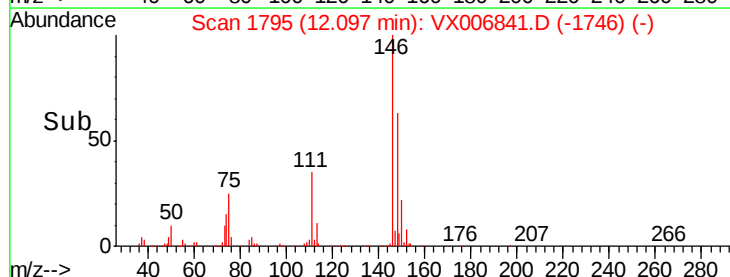
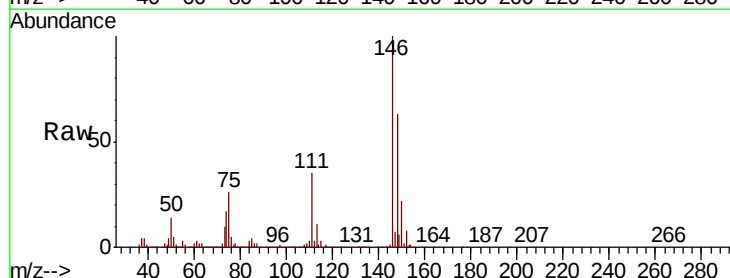
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.363 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006841.D
 Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	64.4	31.9	95.9





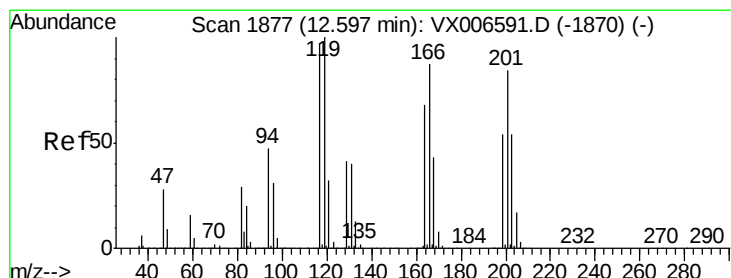
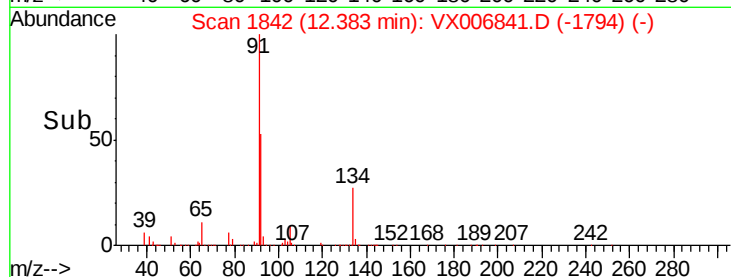
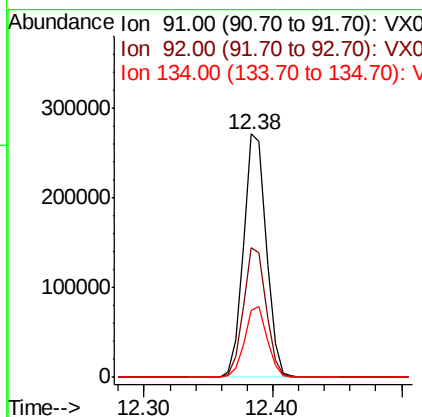
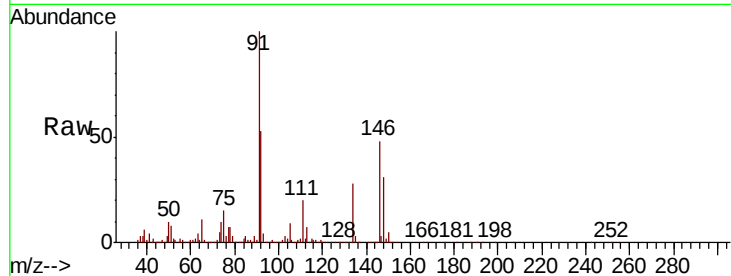
#89
n-Butylbenzene
Concen: 17.254 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.8	80.4	
134	28.7	14.4	43.2	

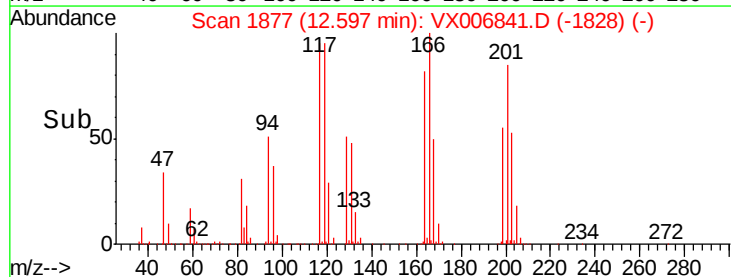
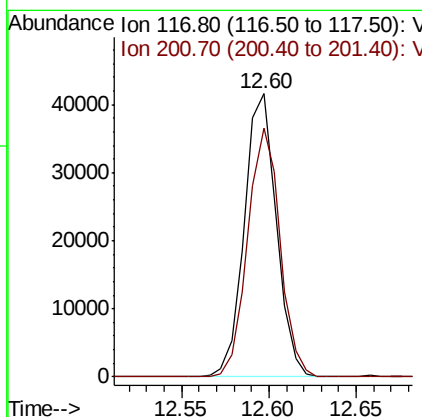
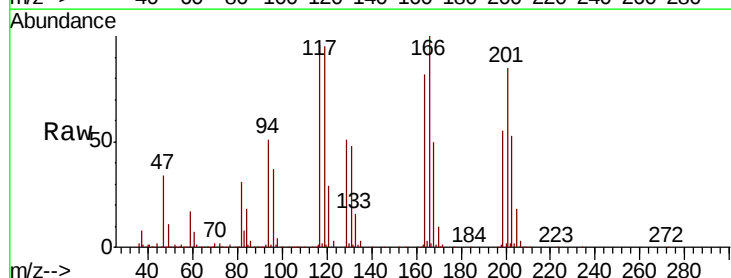
Manual Integrations
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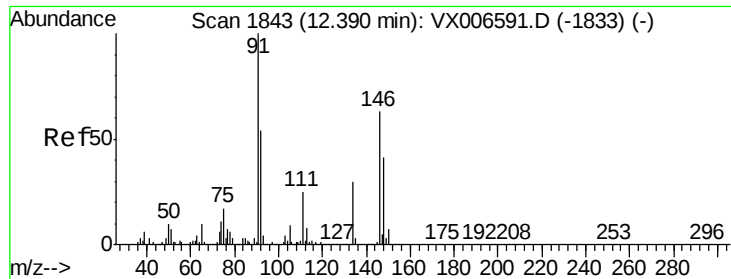
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#90
Hexachloroethane
Concen: 17.390 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006841.D
Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.6	42.9	128.7	





#91

1,2-Dichlorobenzene

Concen: 19.959 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

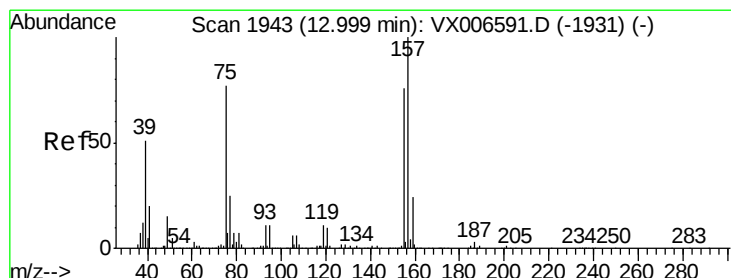
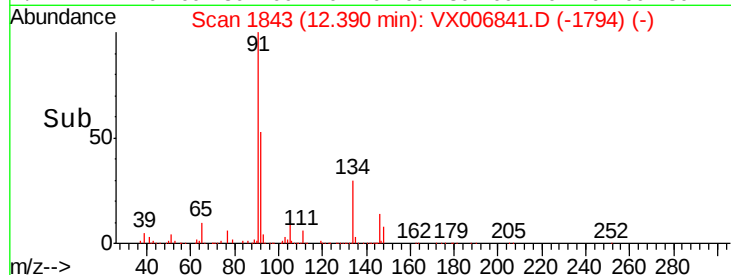
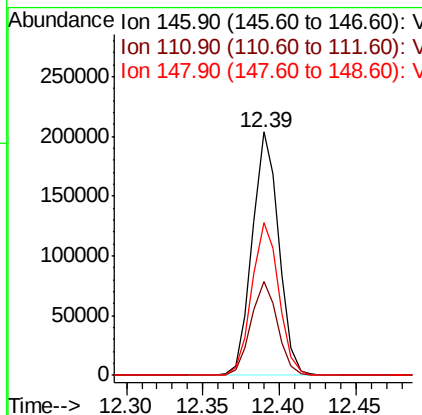
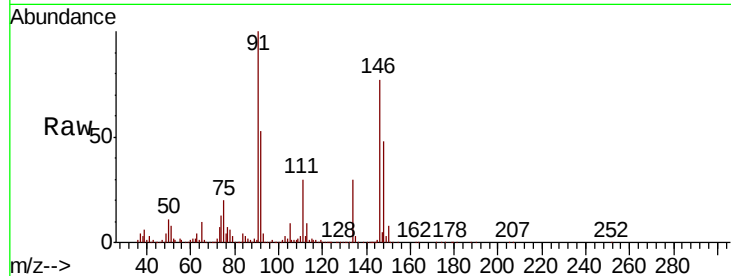
ClientSampleId :

VX1227WBSD01

Tot Ion:	146	Resp:	246321
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.4	58.2
148	63.9	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.176 ug/l

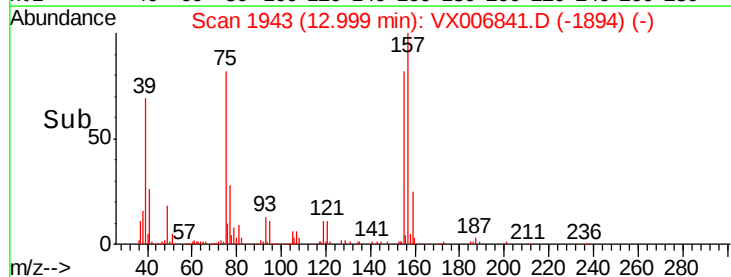
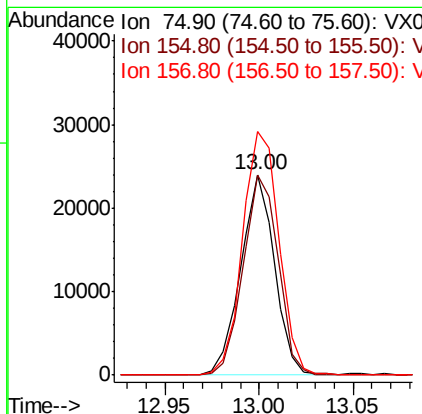
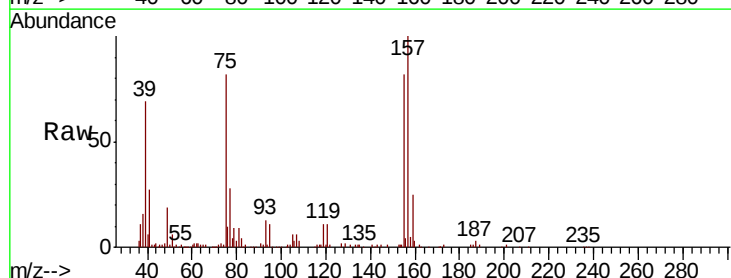
RT: 13.00 min Scan# 1943

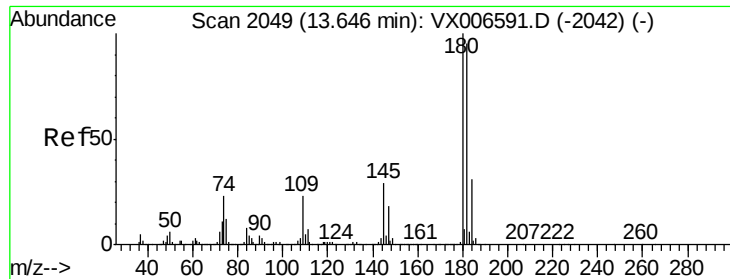
Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	75	Resp:	29878
Ion Ratio	Lower	Upper	
75	100		
155	103.2	50.6	151.8
157	130.6	64.6	193.8





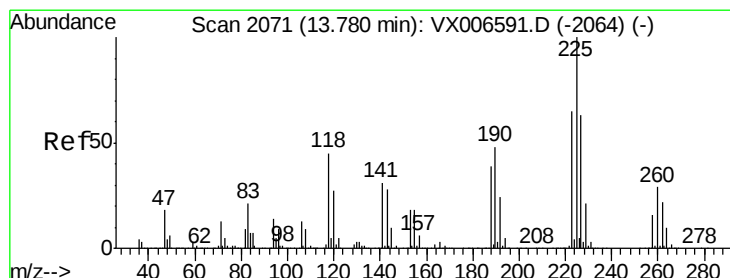
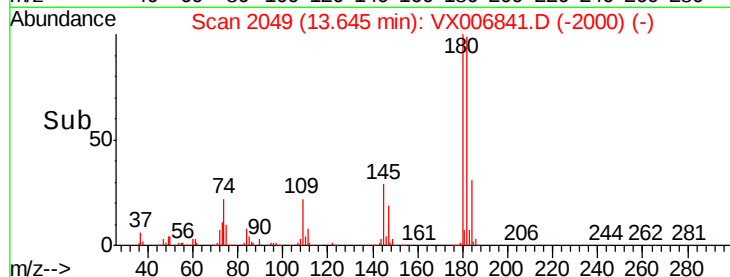
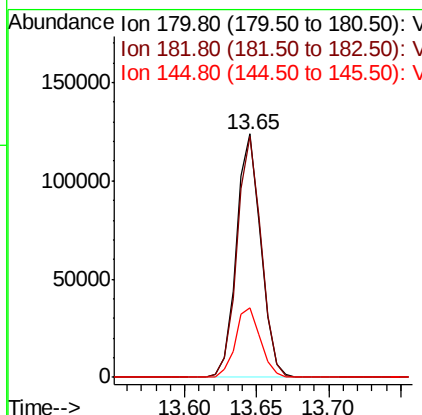
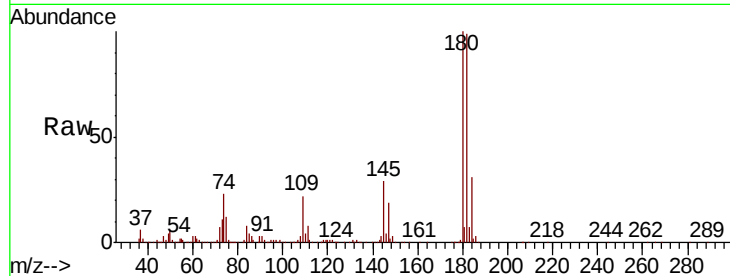
#93
 1,2,4-Trichlorobenzene
 Concen: 17.265 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006841.D
 Acq: 27 Dec 2018 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	146979		
182	97.7	47.3	142.0	
145	29.4	14.8	44.3	

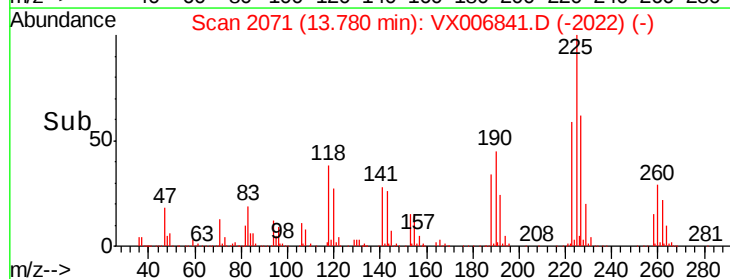
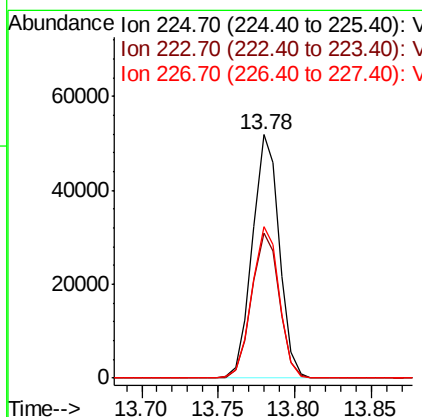
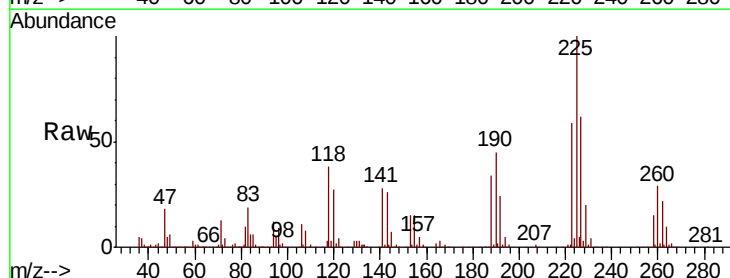
Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 10:28:14 AM



#94
 Hexachlorobutadiene
 Concen: 15.812 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006841.D
 Acq: 27 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63445		
223	61.1	32.1	96.3	
227	63.1	32.3	96.8	





#95

Naphthalene

Concen: 17.924 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Instrument :

MSVOA_X

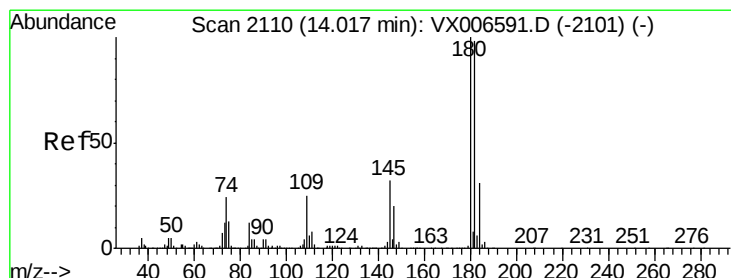
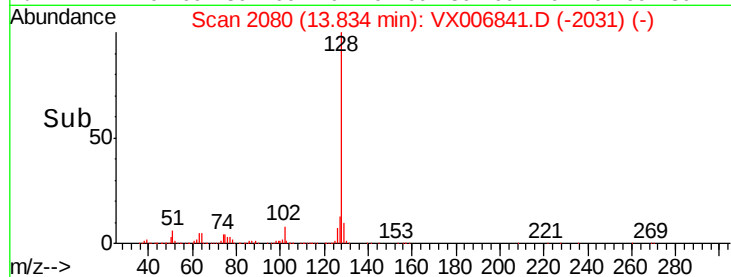
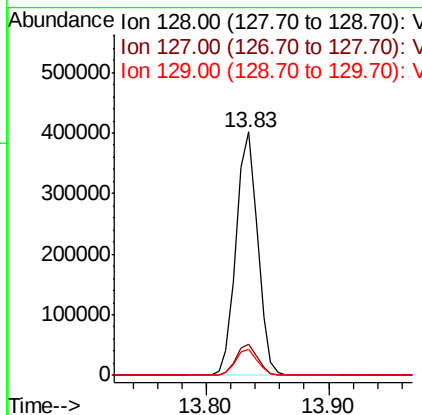
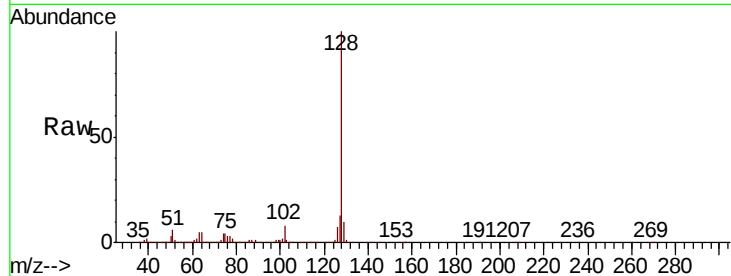
ClientSampleId :

VX1227WBSD01

Tot Ion:	128	Resp:	487008
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/28/2018 10:28:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.057 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006841.D

Acq: 27 Dec 2018 14:42

Tgt Ion:	180	Resp:	149926
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.5	145.5
145	30.6	16.0	47.9

