

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004915.D
 Acq On : 02 Oct 2018 12:33
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 4:23:27 PM

Quant Time: Oct 03 07:56:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:49:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	42940	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	238887	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	223329	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	98020	30.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.13%
60) 4-Bromofluorobenzene	11.14	95	111675	30.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.27%
63) Toluene-d8	8.71	98	292265	29.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	79490	23.777	ug/l 100
3) Chloromethane	1.32	50	83014	23.932	ug/l 100
4) Vinyl Chloride	1.40	62	82580	23.288	ug/l 98
5) Bromomethane	1.64	94	37626	22.112	ug/l 98
6) Chloroethane	1.72	64	46420	22.801	ug/l 97
7) Trichlorofluoromethane	1.93	101	105721	23.405	ug/l 100
8) Diethyl Ether	2.19	74	41950	22.782	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	61401	23.669	ug/l 99
10) 1,1-Dichloroethene	2.37	96	55471	22.576	ug/l 99
11) Methyl Iodide	2.51	142	34802	22.104	ug/l 99
12) Methyl Acetate	2.78	43	115583	23.328	ug/l 98
13) Acrolein	2.29	56	49074	107.201	ug/l 99
14) Acrylonitrile	3.15	53	229353	113.276	ug/l 99
15) Acetone	2.45	58	73698	108.889	ug/l 99
16) Carbon Disulfide	2.57	76	169722	23.551	ug/l 100
17) Allyl chloride	2.73	41	124621	22.808	ug/l 98
18) Methylene Chloride	2.85	84	64656	22.627	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	60264	22.957	ug/l 99
20) Diisopropyl ether	3.87	45	222551	23.890	ug/l 99
21) 1,1-Dichloroethane	3.70	63	118855	23.156	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	65439	22.536	ug/l 99
23) tert-Butyl Alcohol	3.06	59	111732	119.557	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	204487	22.646	ug/l 100
25) Chloroform	5.21	83	108445	22.449	ug/l 98
26) Cyclohexane	5.57	56	101321	23.002	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	81418	23.032	ug/l 99
30) 2-Butanone	4.70	43	321914	112.007	ug/l 100
31) 2,2-Dichloropropane	4.58	77	89791	23.151	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	90866	22.361	ug/l 99
33) Carbon Tetrachloride	5.78	117	79532	22.285	ug/l 98
34) Benzene	6.14	78	243005	22.653	ug/l 98
35) Methacrylonitrile	5.06	41	60220	22.547	ug/l 99
36) 1,2-Dichloroethane	6.20	62	87421	22.622	ug/l 98
37) Trichloroethene	7.21	130	65271	23.099	ug/l 96
38) Methylcyclohexane	7.46	83	97828	23.310	ug/l 99
39) 1,2-Dichloropropane	7.52	63	65009	22.745	ug/l 91
40) Dibromomethane	7.66	93	42030	22.688	ug/l 96

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Quant Time: Oct 03 07:56:34 2018
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:49:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	78839	22.076	ug/l	99
42) Vinyl Acetate	3.82	43	1019888	122.657	ug/l	100
43) Ethyl Acetate	4.85	43	109332	23.061	ug/l	97
44) Isopropyl Acetate	6.46	43	155903	22.036	ug/l	99
45) 1,4-Dioxane	7.75	88	37320	447.730	ug/l	98
46) Methyl methacrylate	7.77	41	80636	21.968	ug/l	96
47) n-amyl Acetate	10.90	43	136102	20.851	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	89423	21.887	ug/l	99
49) cis-1,3-Dichloropropene	8.44	75	99206	22.401	ug/l	99
50) 1,1,2-Trichloroethane	9.22	97	63582	22.670	ug/l	98
51) Ethyl methacrylate	9.18	69	97349	21.871	ug/l	96
52) 1,3-Dichloropropane	9.37	76	105579	22.313	ug/l	100
53) Dibromochloromethane	9.59	129	62747	21.564	ug/l	98
54) 1,2-Dibromoethane	9.67	107	65155	22.291	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	257385	109.585	ug/l	99
56) Bromoform	10.86	173	50556	20.804	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	559190	111.517	ug/l	99
59) 2-Hexanone	9.50	43	450851	109.131	ug/l	100
61) Tetrachloroethene	9.34	164	63369	23.316	ug/l	99
62) Toluene	8.79	91	264684	22.551	ug/l	99
64) Chlorobenzene	10.14	112	170142	22.447	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	59186	21.480	ug/l	98
66) Ethyl Benzene	10.26	91	285394	22.273	ug/l	98
67) m/p-Xylenes	10.36	106	221702	44.437	ug/l	98
68) o-Xylene	10.70	106	106804	22.208	ug/l	98
69) Styrene	10.71	104	176983	21.885	ug/l	99
70) Isopropylbenzene	11.02	105	289264	22.462	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	102656	21.462	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	95010m	21.803	ug/l	
73) Bromobenzene	11.26	156	76803	21.696	ug/l	99
74) n-propylbenzene	11.36	91	341871	22.562	ug/l	99
75) 2-Chlorotoluene	11.42	91	205708	22.260	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	248624	22.375	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	28127	19.632	ug/l	96
78) 4-Chlorotoluene	11.51	91	236384	22.007	ug/l	100
79) tert-butylbenzene	12.07	119	259624	22.016	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	252084	22.246	ug/l	100
81) sec-Butylbenzene	11.94	105	295137	22.502	ug/l	100
82) p-Isopropyltoluene	12.07	119	259624	22.016	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	142075	21.704	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	144868	21.808	ug/l	99
85) n-Butylbenzene	12.39	91	235724	22.008	ug/l	100
86) Hexachloroethane	12.60	117	40559	20.881	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	141081	21.202	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	22840	20.664	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	108375	21.833	ug/l	99
90) Hexachlorobutadiene	13.79	225	56822	23.187	ug/l	99
91) Naphthalene	13.83	128	327576	21.223	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	108834	21.382	ug/l	100

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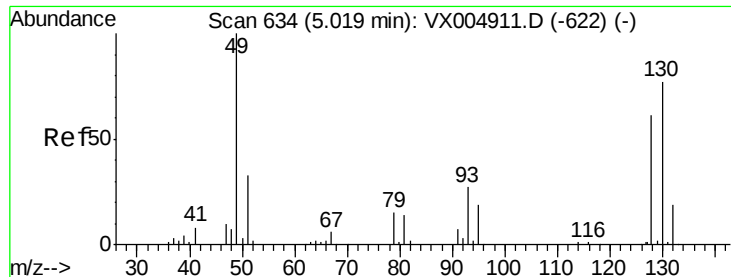
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX100218

Tot Ion:128 Resp: 42940

Ion Ratio Lower Upper

128 100

49 172.6 0.0 429.5

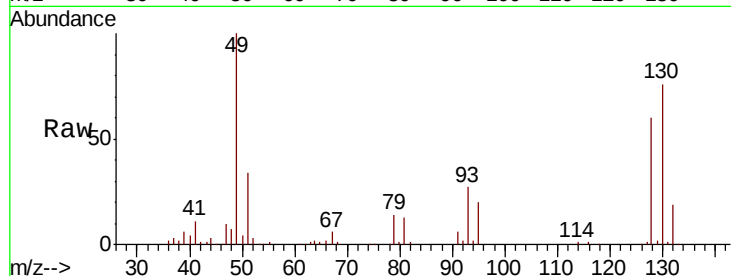
130 128.5 0.0 325.8

Manual Integrations

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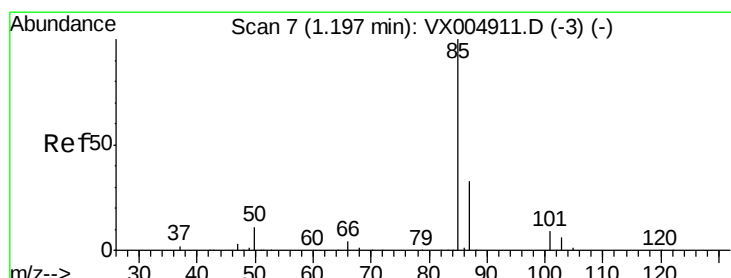
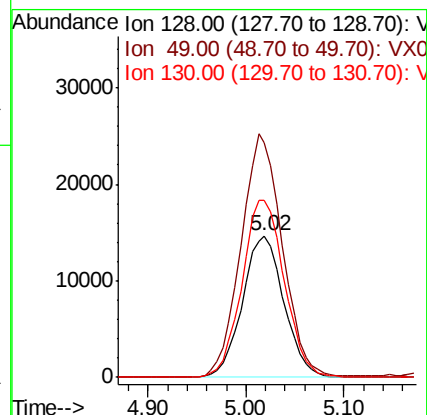
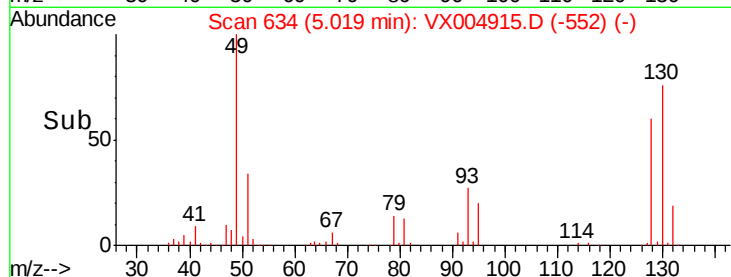
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 23.777 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004915.D

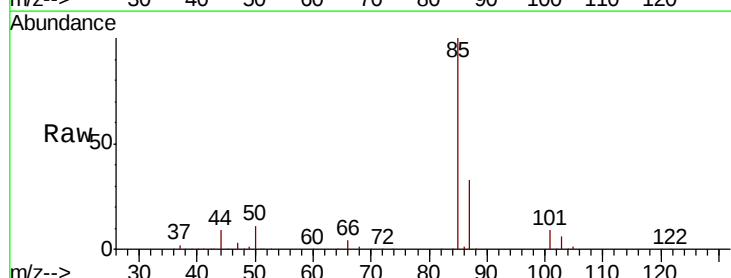
Acq: 02 Oct 2018 12:33

Tgt Ion: 85 Resp: 79490

Ion Ratio Lower Upper

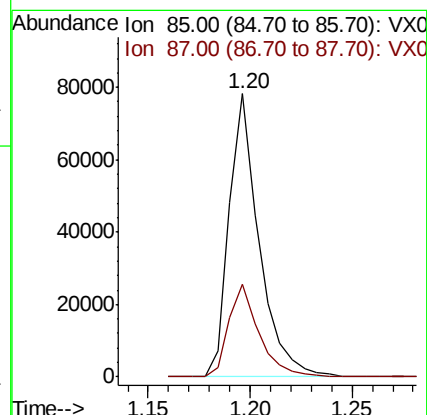
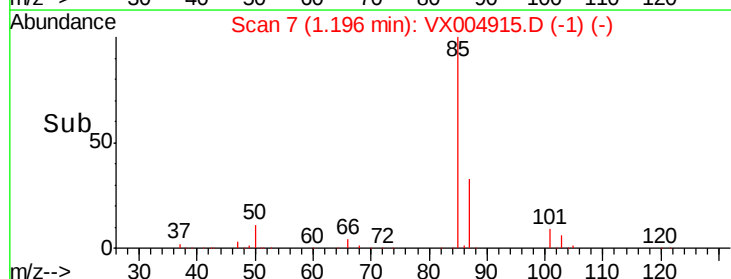
85 100

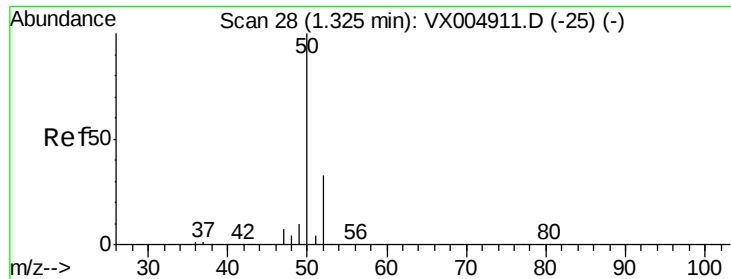
87 32.9 16.5 49.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 23.932 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX100218

Tot Ion: 50 Resp: 83014

Ion Ratio Lower Upper

50 100

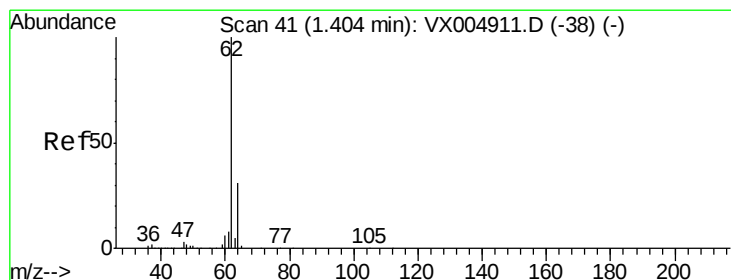
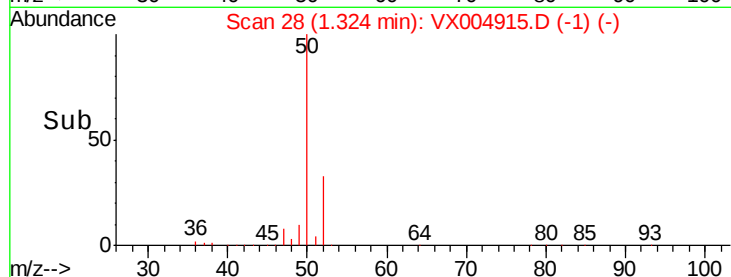
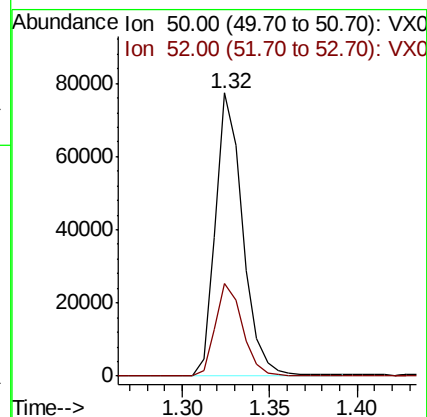
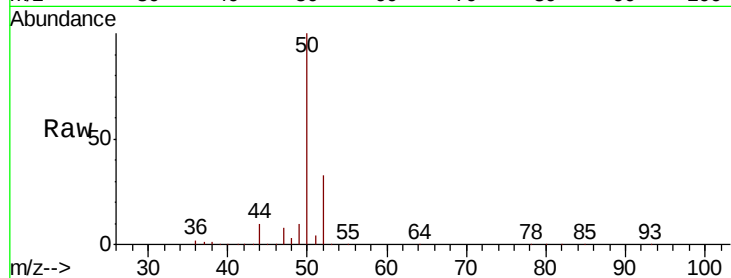
52 32.5 26.1 39.1

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 23.288 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004915.D

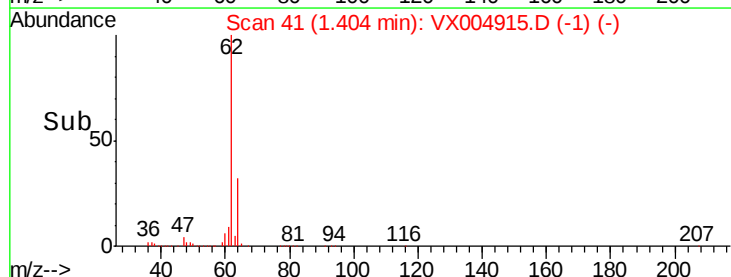
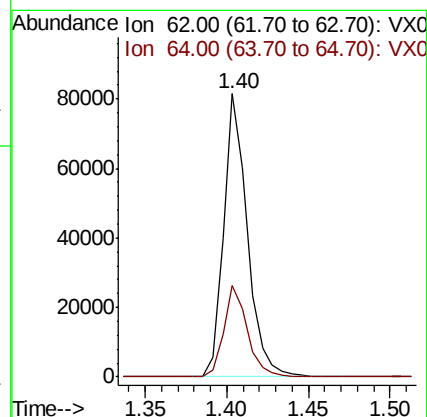
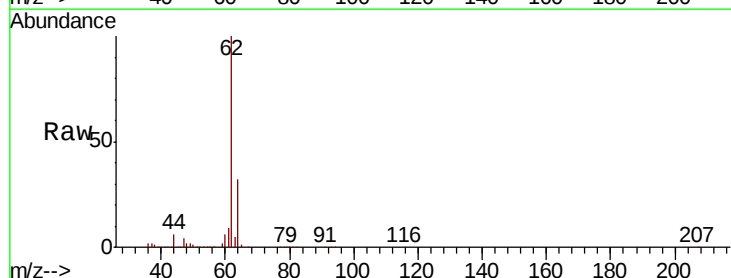
Acq: 02 Oct 2018 12:33

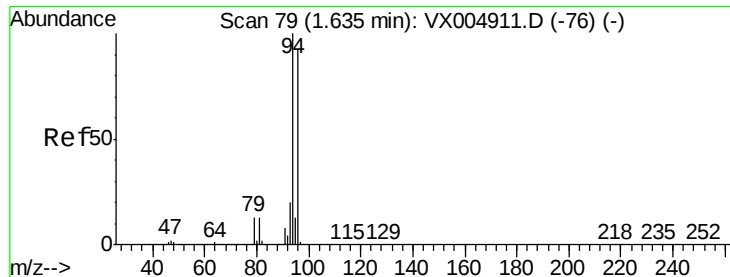
Tgt Ion: 62 Resp: 82580

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 22.112 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX100218

Tot Ion: 94 Resp: 37626

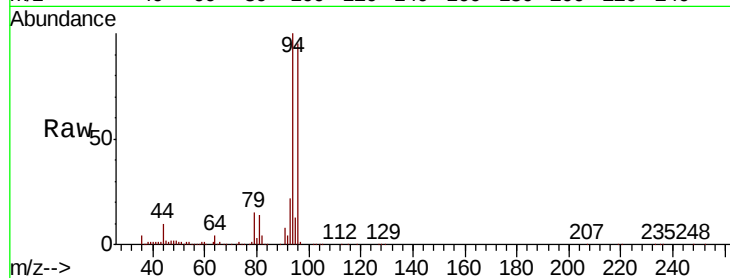
Ion Ratio Lower Upper

94 100

96 94.6 73.8 110.8

Manual Integrations
APPROVED

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

40000

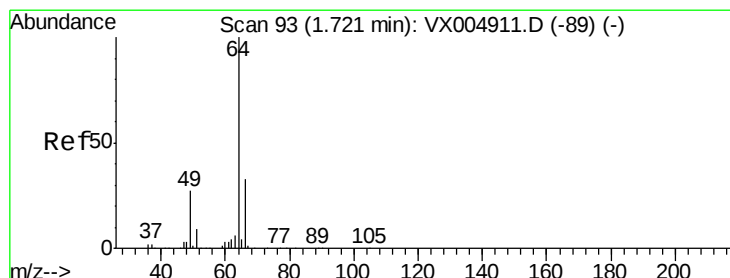
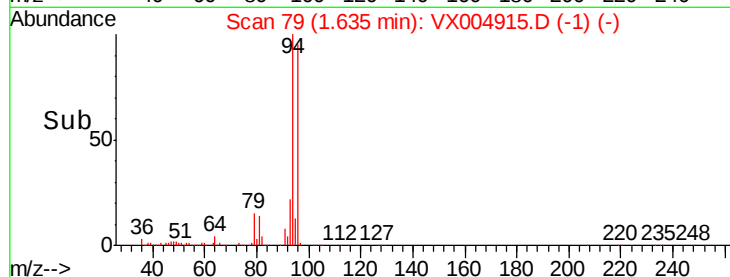
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 22.801 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX004915.D

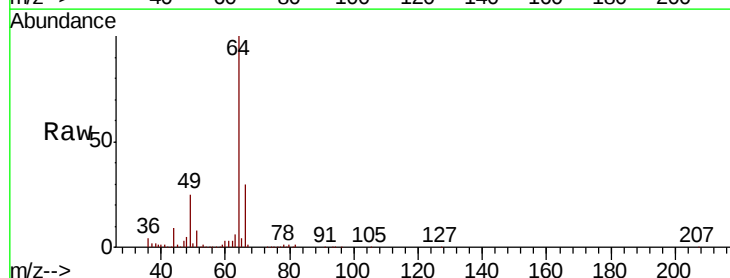
Acq: 02 Oct 2018 12:33

Tgt Ion: 64 Resp: 46420

Ion Ratio Lower Upper

64 100

66 30.6 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

40000

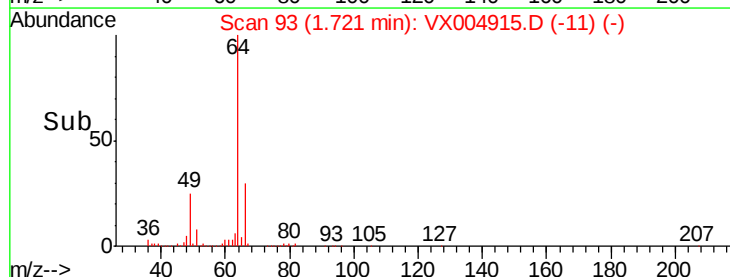
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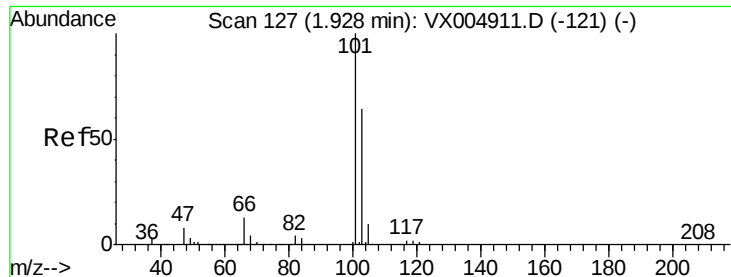
20000

10000

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Time-->





#7

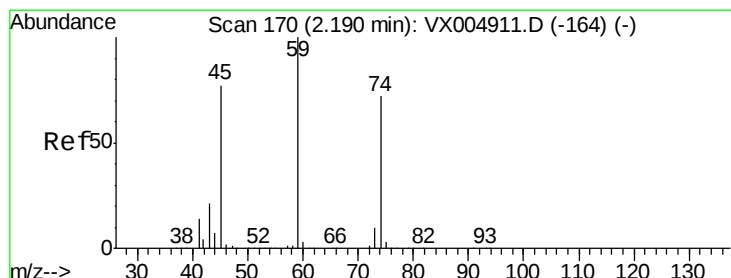
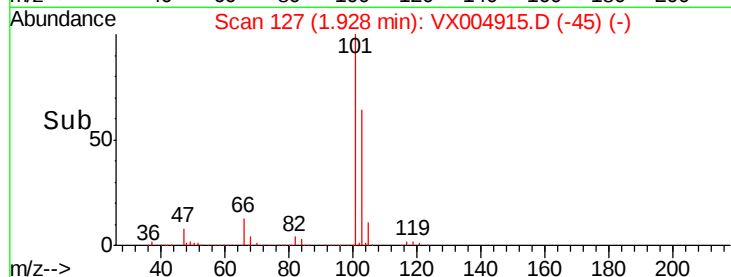
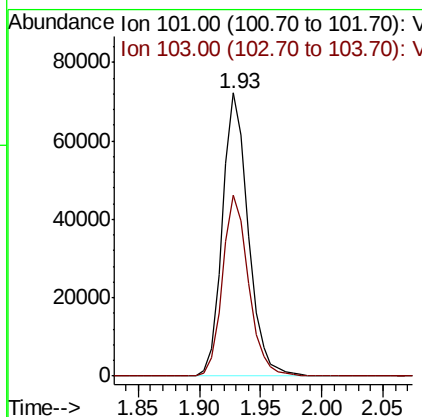
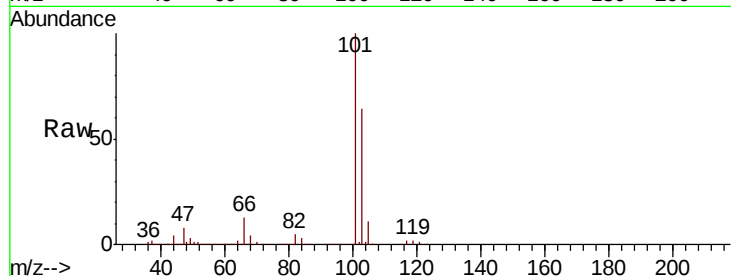
Trichlorofluoromethane
Concen: 23.405 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
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ICVVX100218

Tot Ion	Ratio	Resp	Lower	Upper
101	100	105721		
103	64.1	51.1	76.7	

Manual Integrations
APPROVED

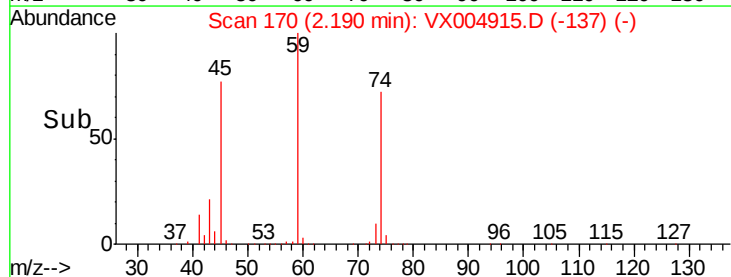
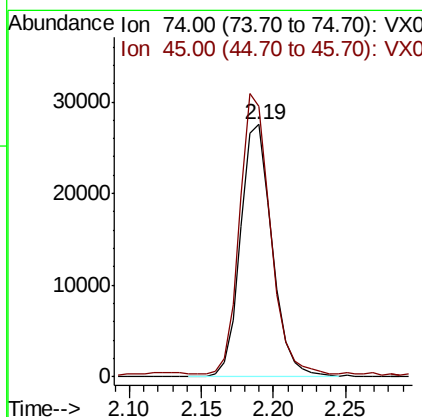
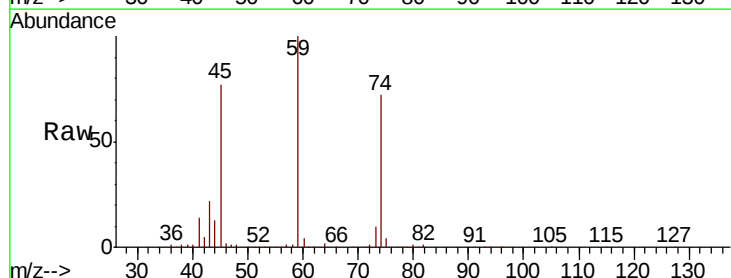
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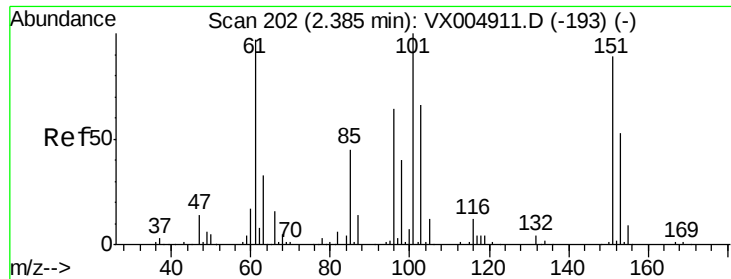


#8

Diethyl Ether
Concen: 22.782 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41950		
45	108.5	21.6	194.8	





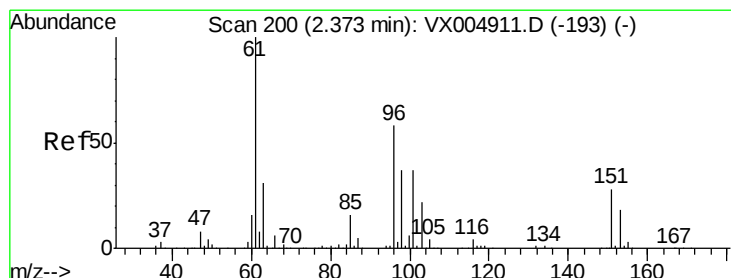
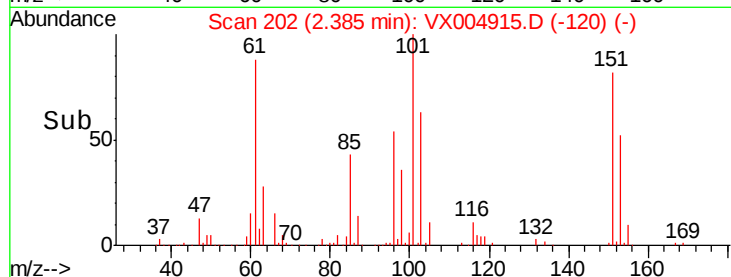
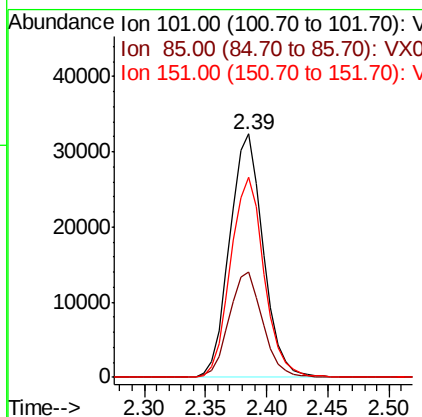
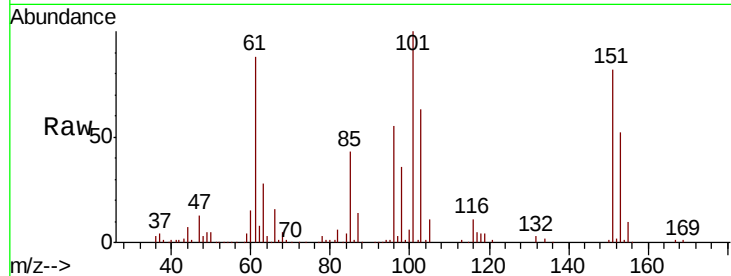
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 23.669 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX100218

Tot Ion	Ratio	Resp	Lower	Upper
101	100	61401		
85	43.5	0.0	88.0	
151	81.9	0.0	164.8	

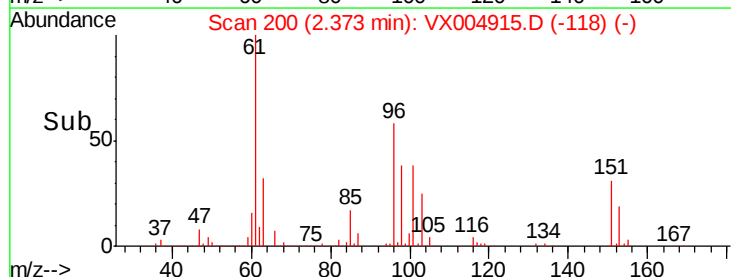
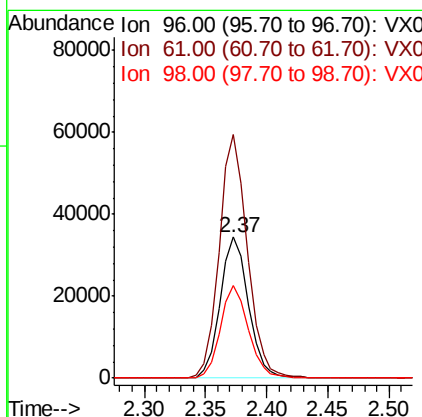
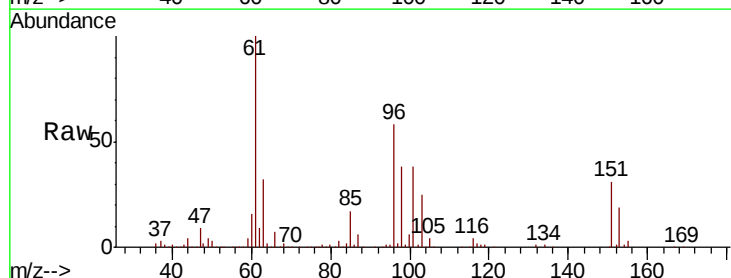
Manual Integrations
 APPROVED

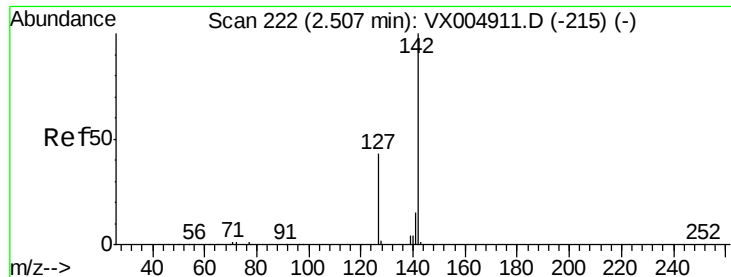
MMDadoda
 10/3/2018 4:23:27 PM



#10
 1,1-Dichloroethene
 Concen: 22.576 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	55471		
61	173.4	137.9	206.9	
98	66.0	51.0	76.4	





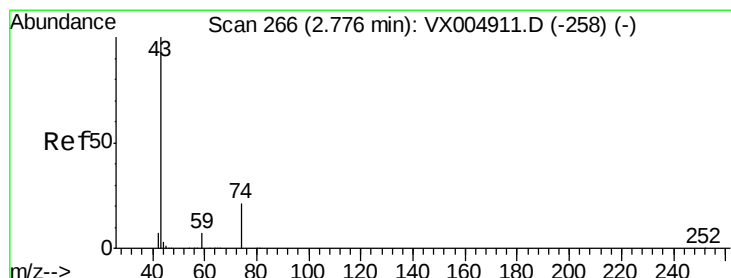
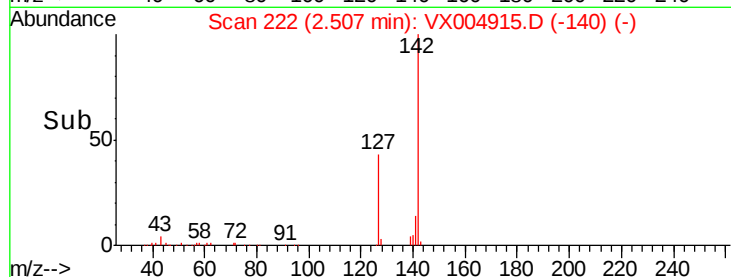
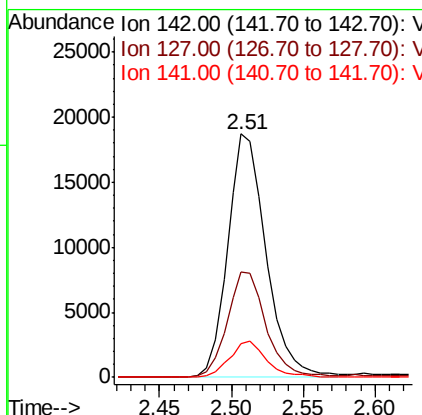
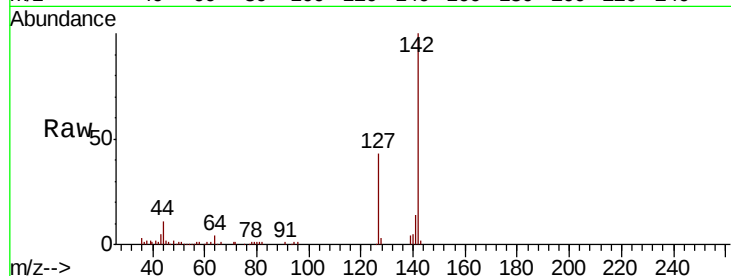
#11
Methvl Iodide
Concen: 22.104 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.1	21.6	64.8
141	14.0	7.5	22.6

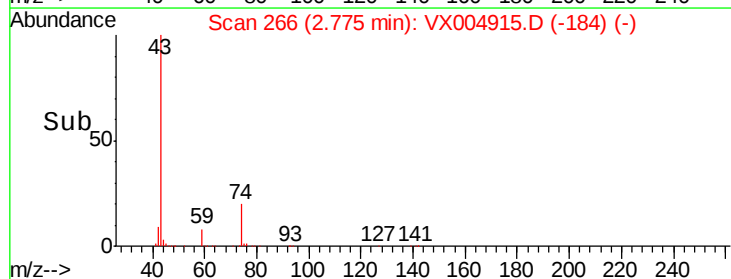
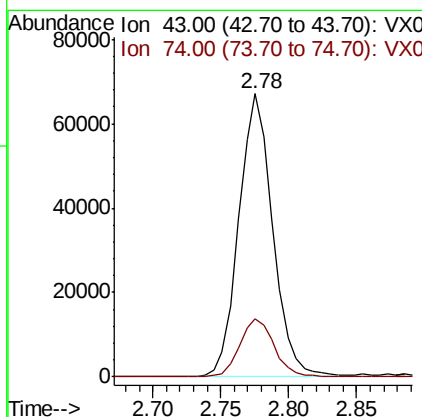
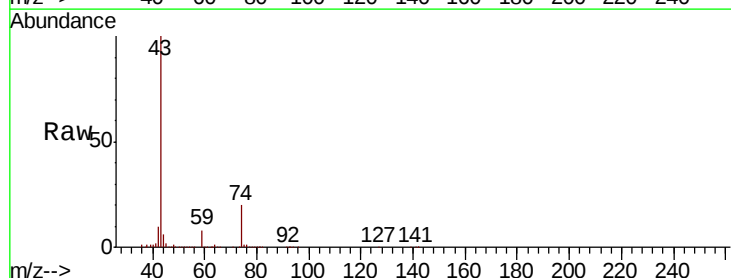
Manual Integrations
APPROVED

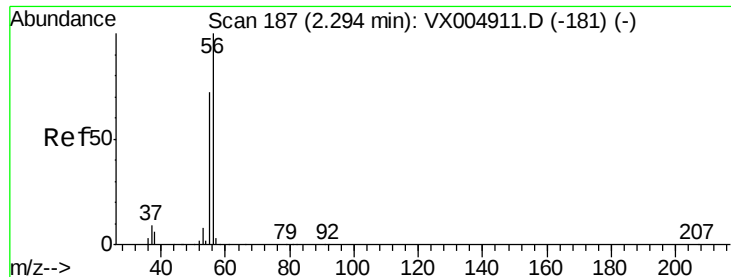
MMDadoda
10/3/2018 4:23:27 PM



#12
Methyl Acetate
Concen: 23.328 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	17.0	25.6





#13

Acrolein

Concen: 107.201 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX100218

Tot Ion: 56 Resp: 49074

Ion Ratio Lower Upper

56 100

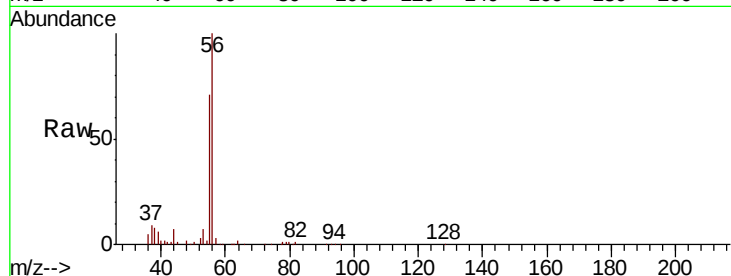
55 72.9 57.9 86.9

Manual Integrations

APPROVED

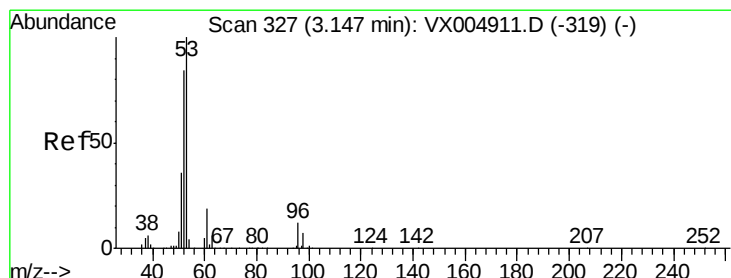
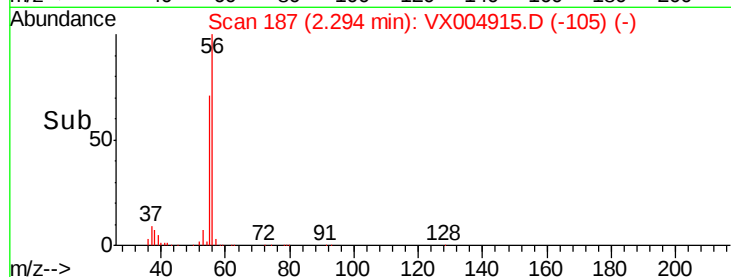
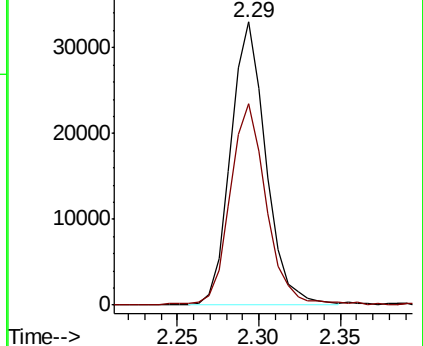
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 113.276 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

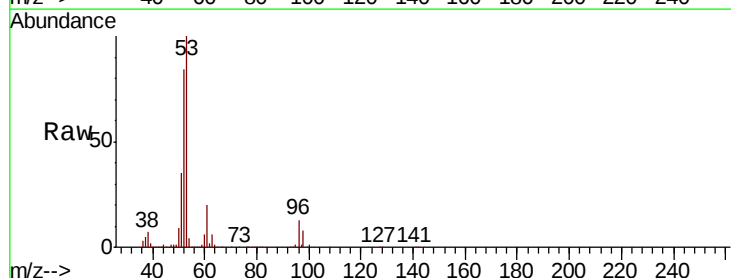
Tgt Ion: 53 Resp: 229353

Ion Ratio Lower Upper

53 100

52 83.8 41.5 124.6

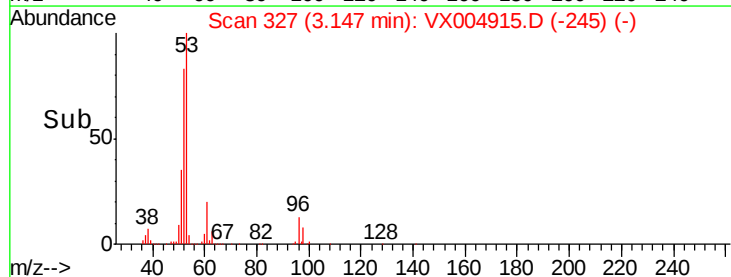
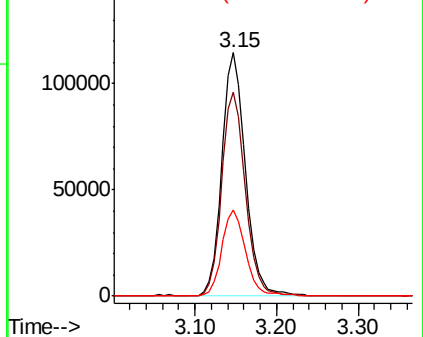
51 35.4 18.0 54.0

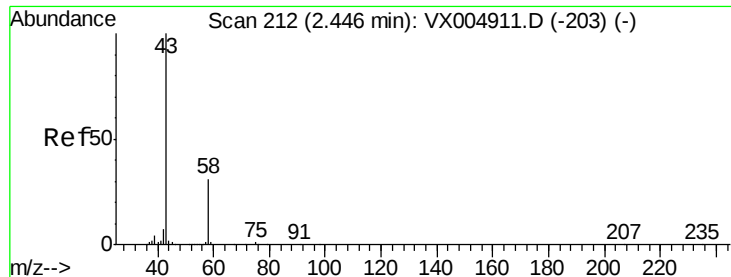


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 108.889 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX100218

Tot Ion: 58 Resp: 73698

Ion Ratio Lower Upper

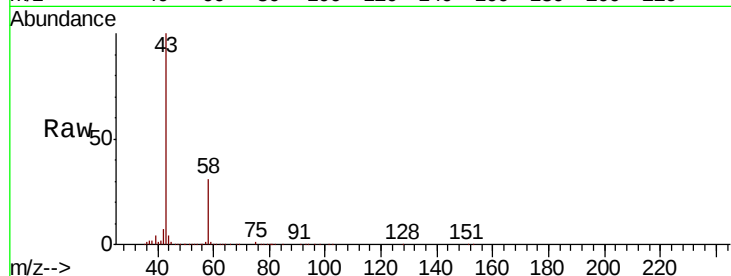
58 100

43 326.0 258.6 388.0

Manual Integrations
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

150000

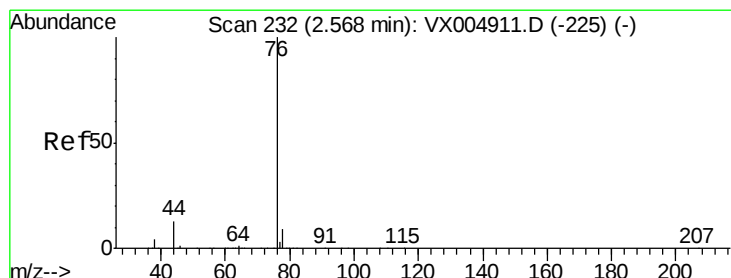
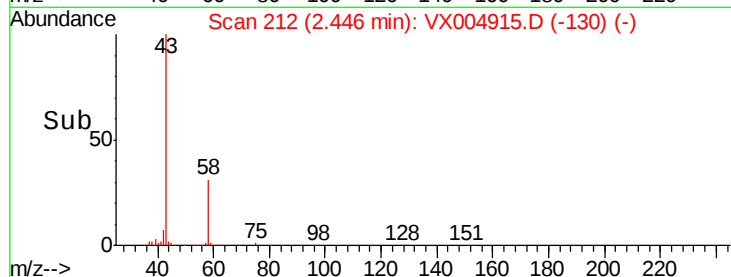
100000

50000

0

2.40 2.45 2.50

Time-->



#16

Carbon Disulfide

Concen: 23.551 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004915.D

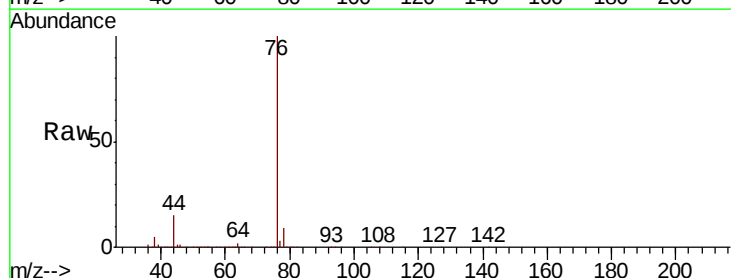
Acq: 02 Oct 2018 12:33

Tgt Ion: 76 Resp: 169722

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

120000

100000

80000

60000

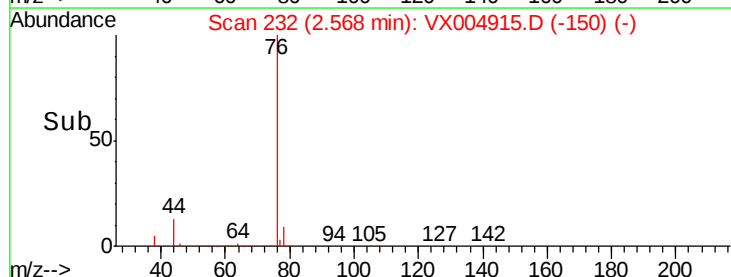
40000

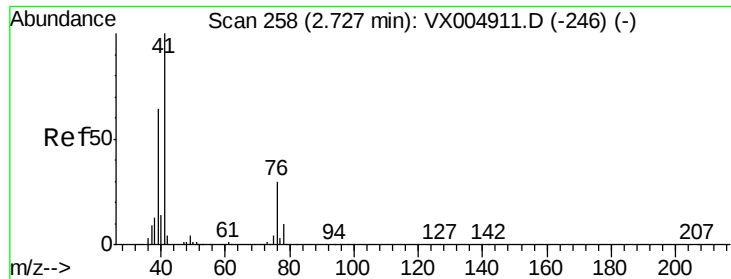
20000

0

2.50 2.57 2.70

Time-->





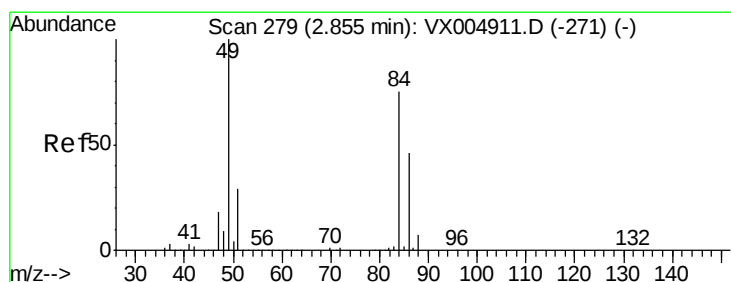
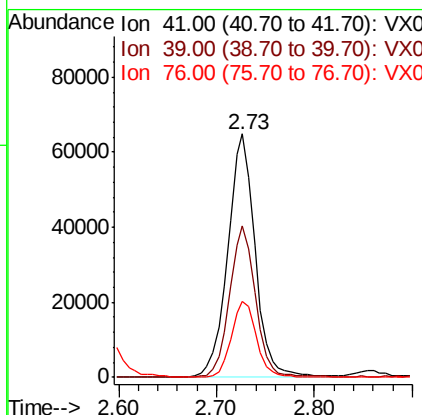
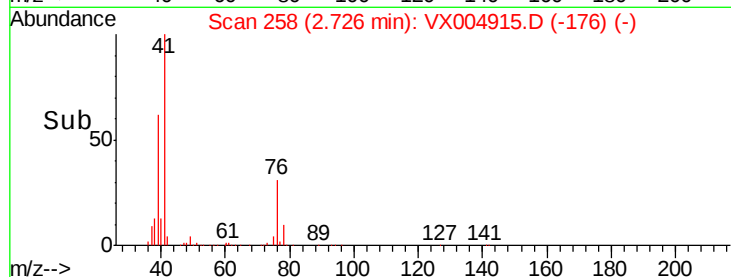
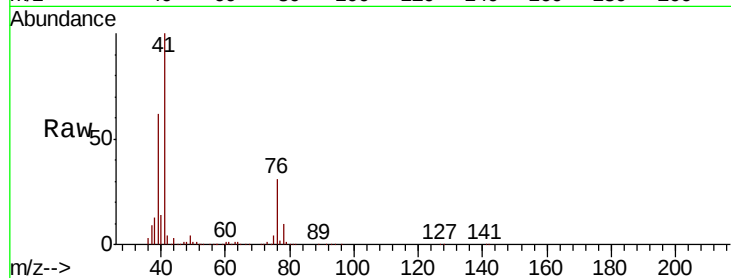
#17
Allvl chloride
Concen: 22.808 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.3	31.8	95.4
76	31.2	15.3	45.8

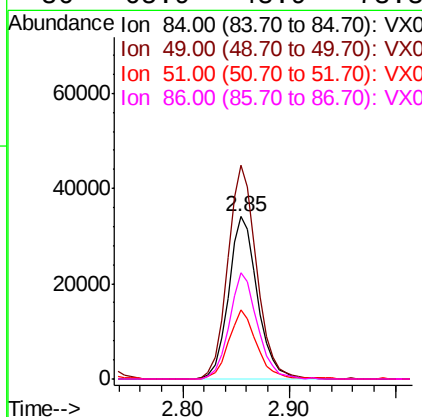
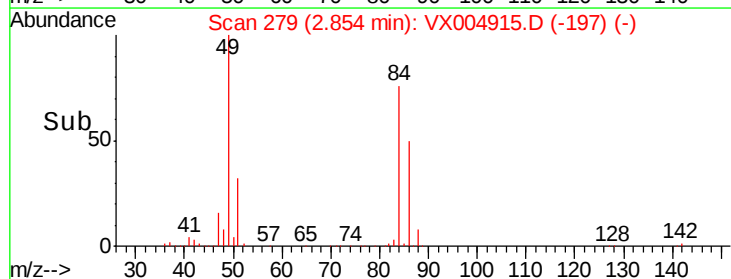
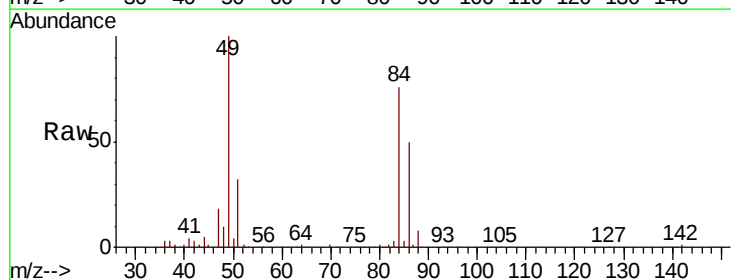
Manual Integrations
APPROVED

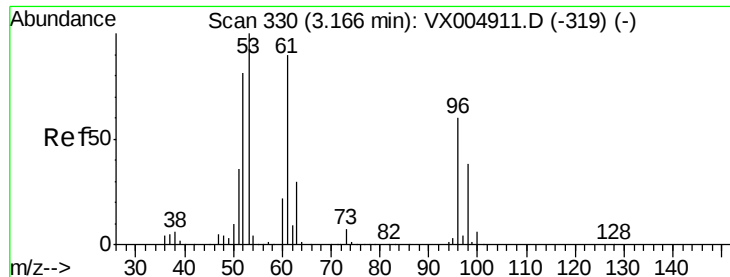
MMDadoda
10/3/2018 4:23:27 PM



#18
Methylene Chloride
Concen: 22.627 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.6	106.2	159.4
51	42.1	31.3	46.9
86	65.9	48.9	73.3





#19

trans-1,2-Dichloroethene

Concen: 22.957 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

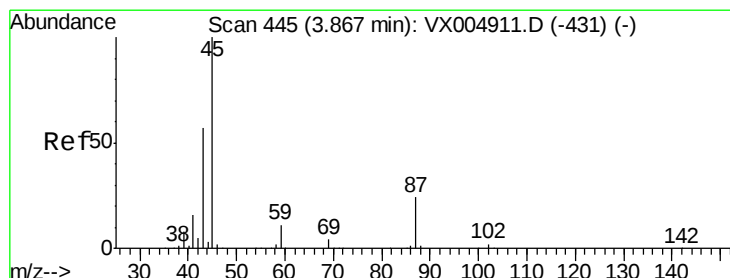
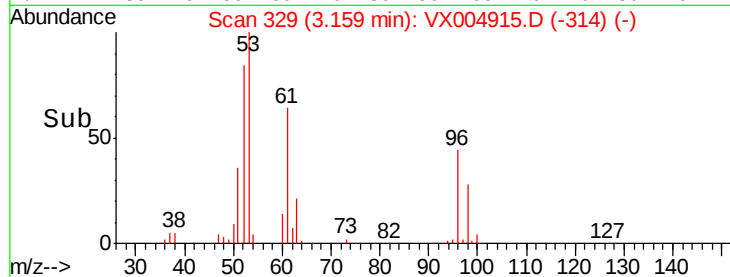
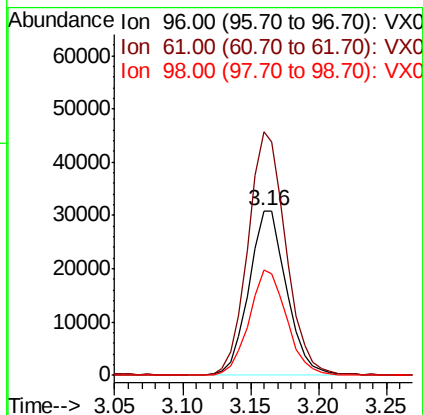
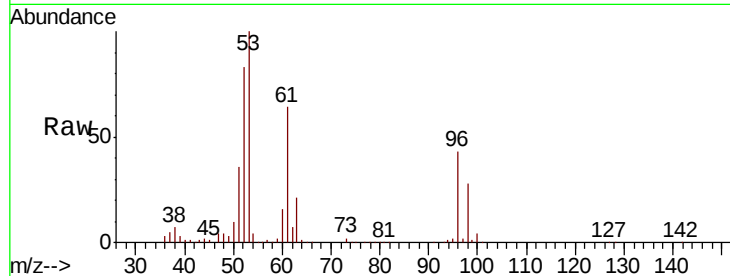
ClientSampleId :

ICVVX100218

Tot Ion:	96	Resp:	60264
Ion	Ratio	Lower	Upper
96	100		
61	147.4	119.5	179.3
98	63.7	50.6	75.8

Manual Integrations
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#20

Diisopropyl ether

Concen: 23.890 ug/l

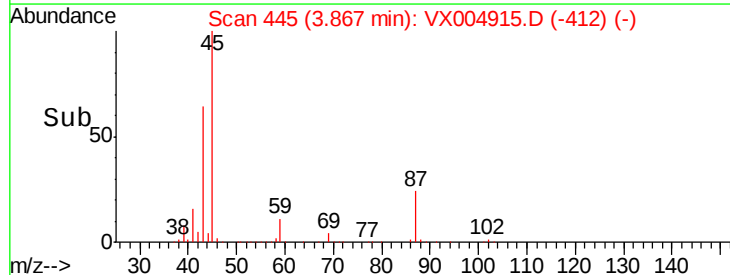
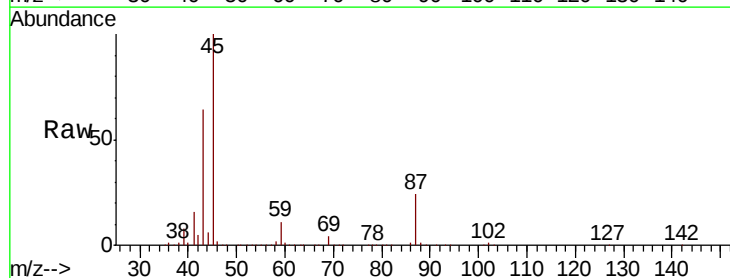
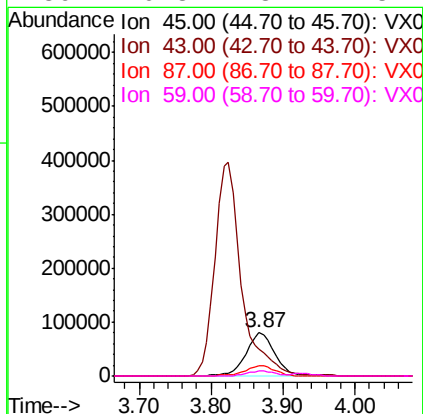
RT: 3.87 min Scan# 445

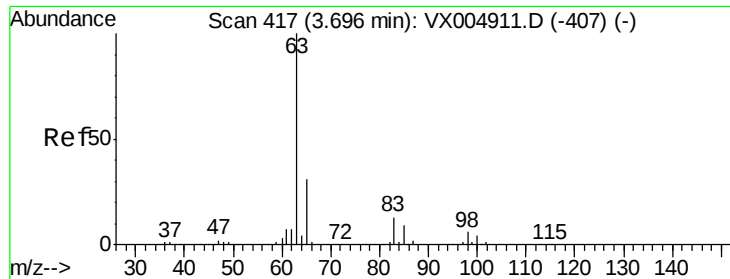
Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Tgt Ion:	45	Resp:	222551
Ion	Ratio	Lower	Upper
45	100		
43	63.5	49.8	74.8
87	24.0	19.1	28.7
59	10.8	8.7	13.1





#21

1,1-Dichloroethane

Concen: 23.156 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

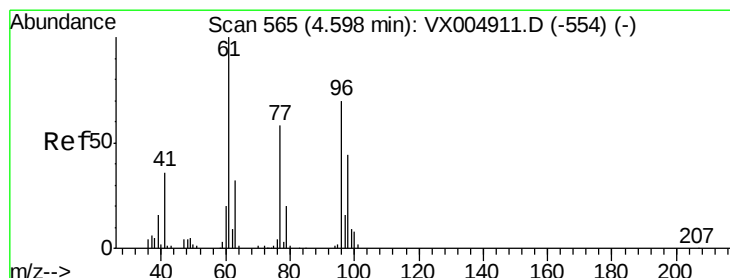
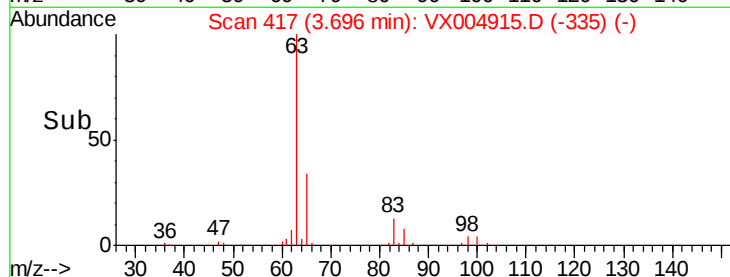
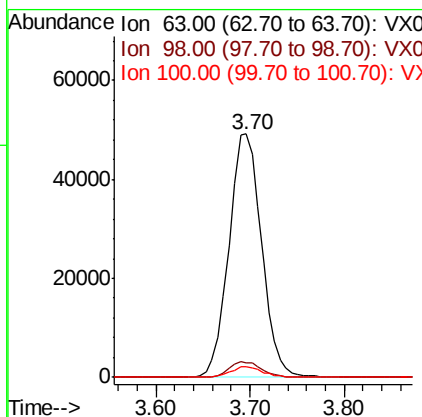
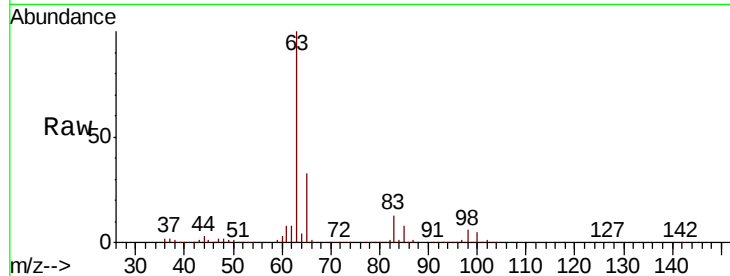
ClientSampleId :

ICVVX100218

Tot Ion:	63	Resp:	118855
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.2	9.6
100	4.6	2.1	6.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 22.536 ug/l

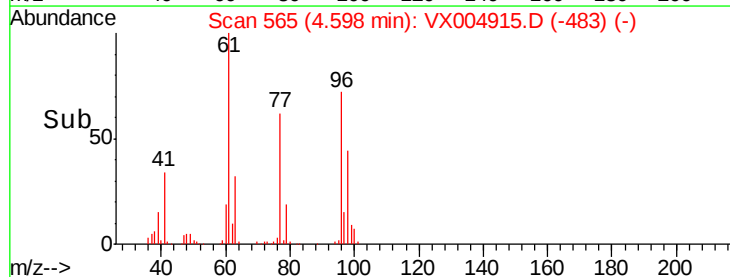
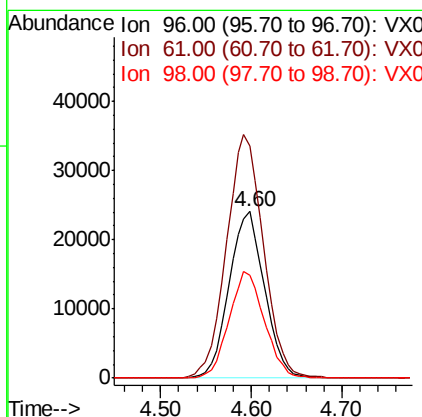
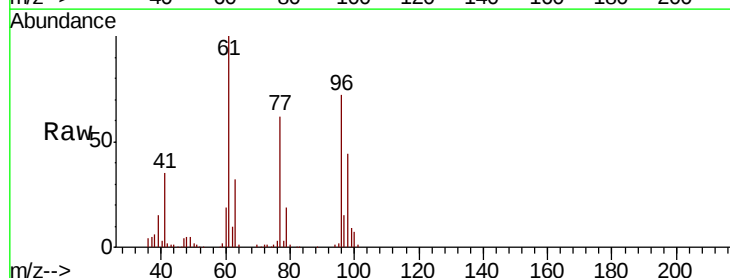
RT: 4.60 min Scan# 565

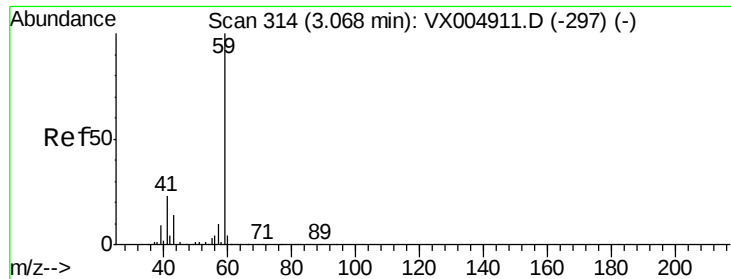
Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Tgt Ion:	96	Resp:	65439
Ion Ratio	Lower	Upper	
96	100		
61	152.5	123.3	184.9
98	63.9	51.4	77.0





#23

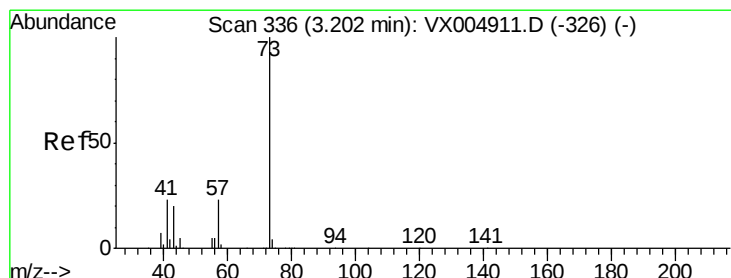
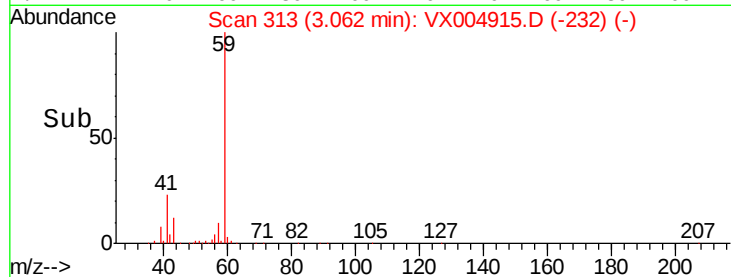
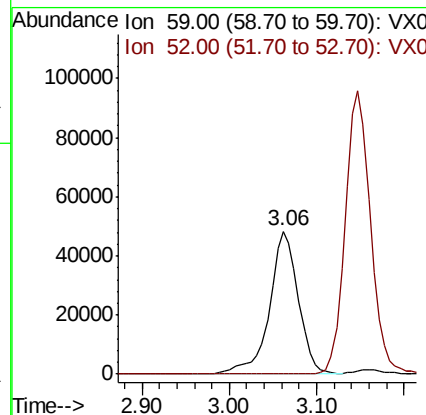
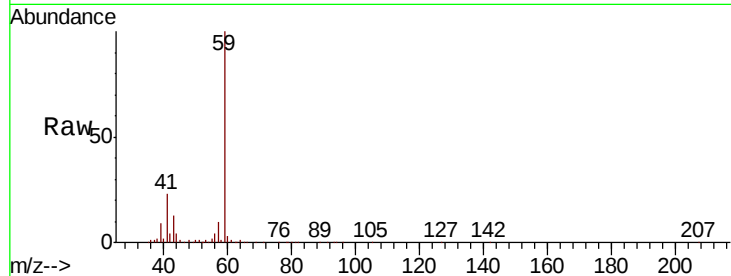
tert-Butyl Alcohol
 Concen: 119.557 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Tot Ion: 59 Resp: 111732
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.1 0.1#

Manual Integrations
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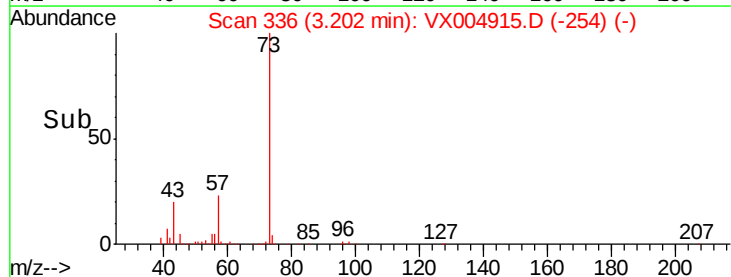
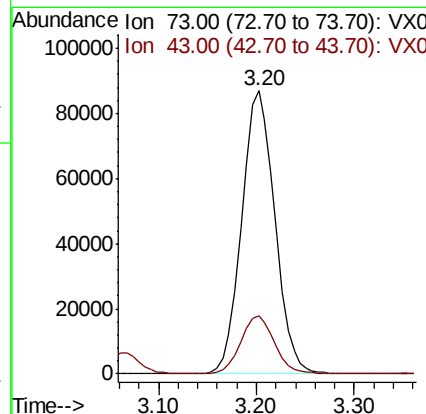
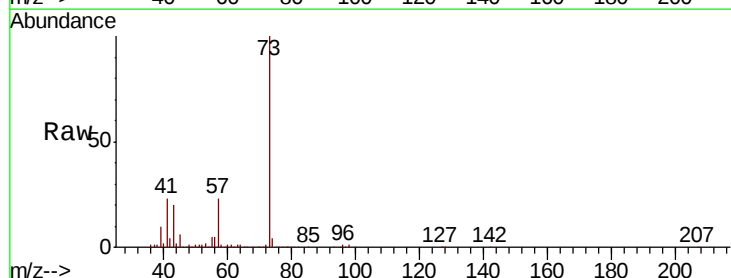
MMDadoda
 10/3/2018 4:23:27 PM

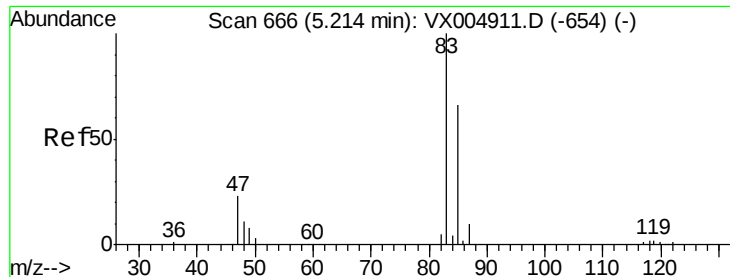


#24

Methyl tert-Butyl Ether
 Concen: 22.646 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion: 73 Resp: 204487
 Ion Ratio Lower Upper
 73 100
 43 20.4 16.3 24.5





#25

Chloroform

Concen: 22.449 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX100218

Tot Ion: 83 Resp: 108445

Ion Ratio Lower Upper

83 100

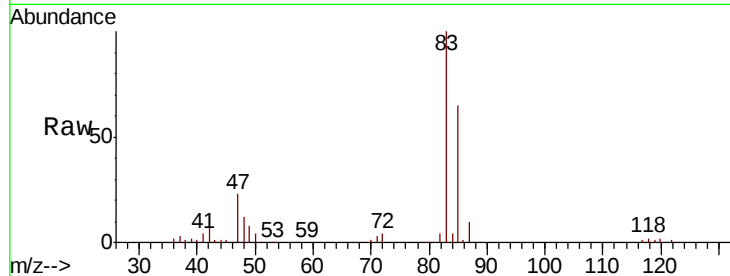
85 64.6 53.1 79.7

Manual Integrations

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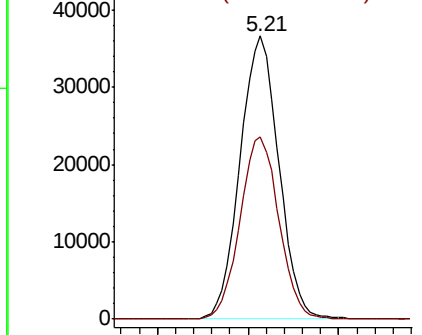
MMDadoda

10/3/2018 4:23:27 PM

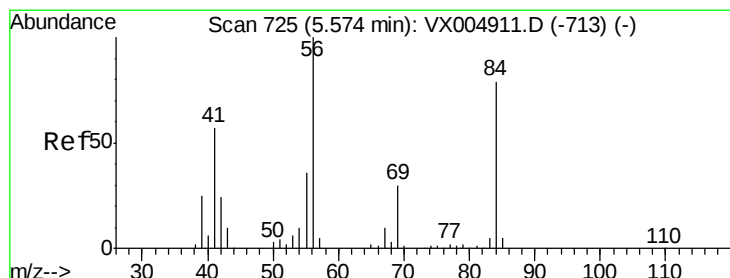
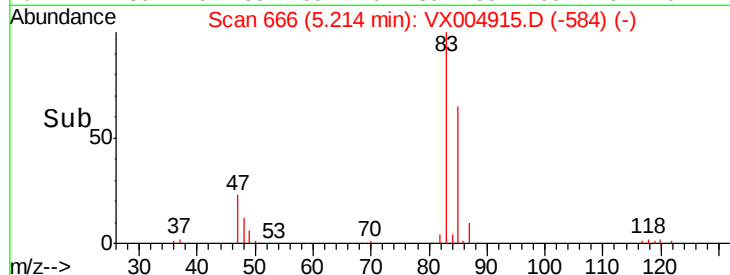


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



Time-->



#26

Cyclohexane

Concen: 23.002 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

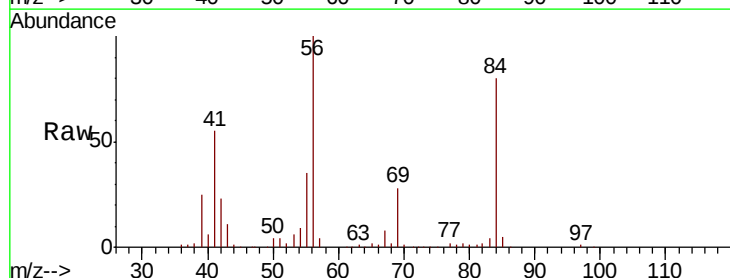
Tgt Ion: 56 Resp: 101321

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

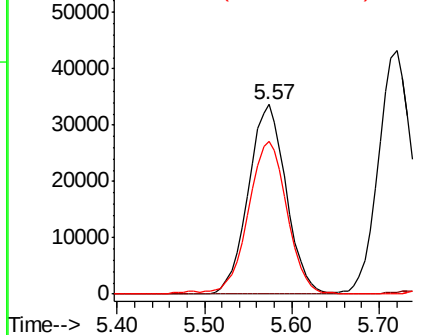
84 82.5 65.8 98.6



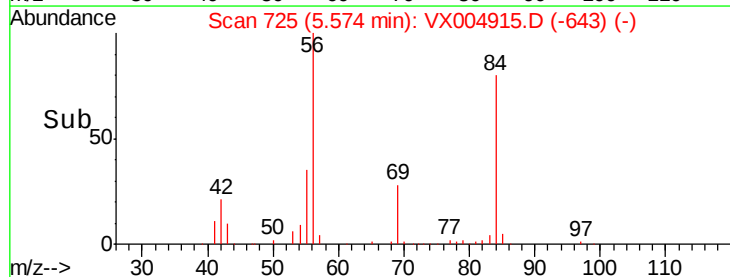
Abundance Ion 56.00 (55.70 to 56.70): VX0

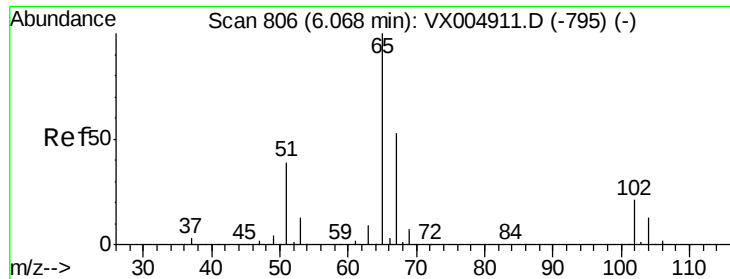
Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





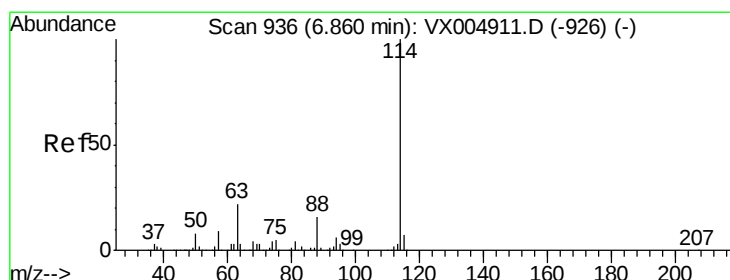
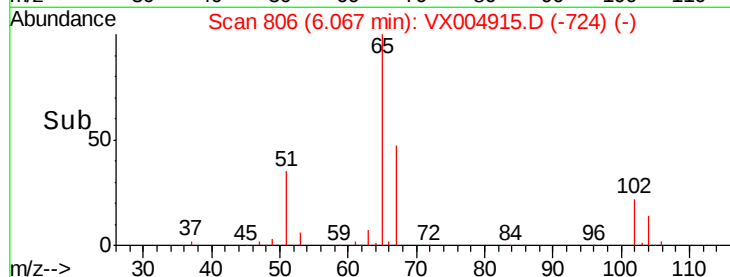
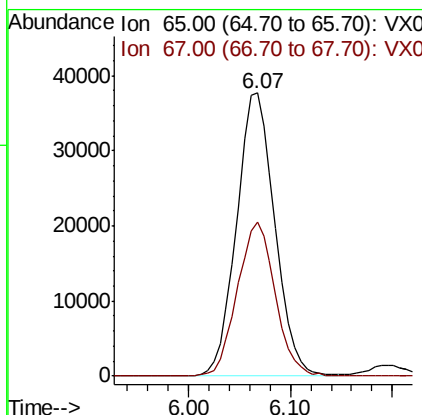
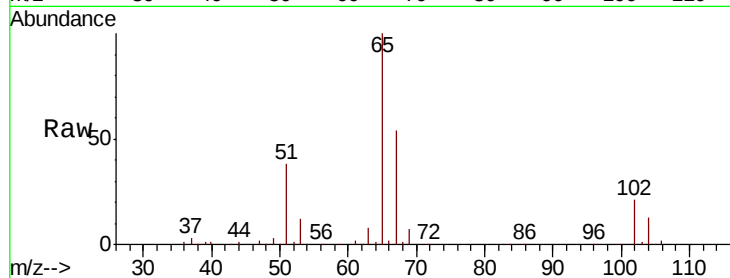
#27
 1,2-Dichloroethane-d4
 Concen: 30.040 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Tot Ion: 65 Resp: 98020
 Ion Ratio Lower Upper
 65 100
 67 53.9 43.0 64.6

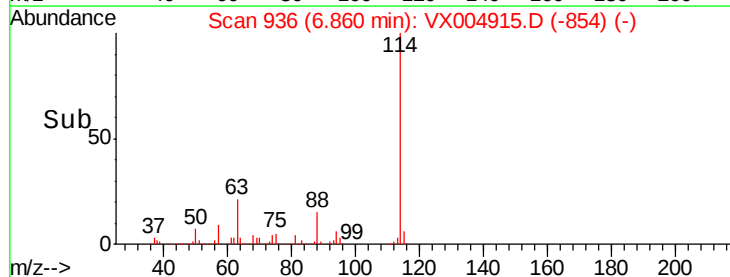
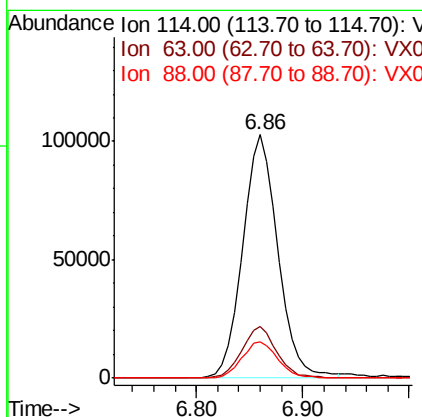
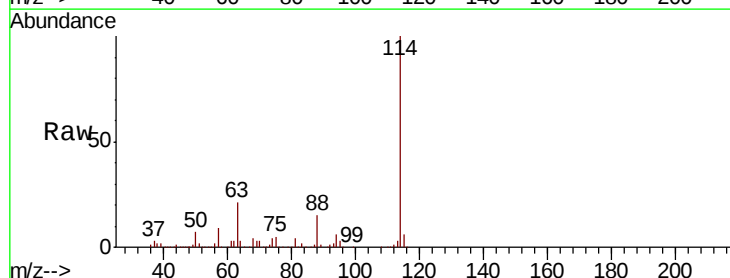
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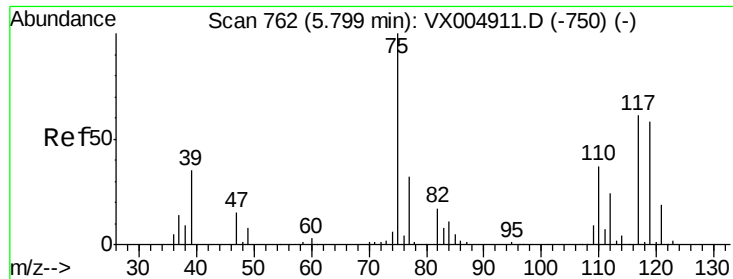
MMDadoda
 10/3/2018 4:23:27 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion: 114 Resp: 238887
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.6 24.8
 88 15.6 12.4 18.6





#29

1,1-Dichloropropene

Concen: 23.032 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

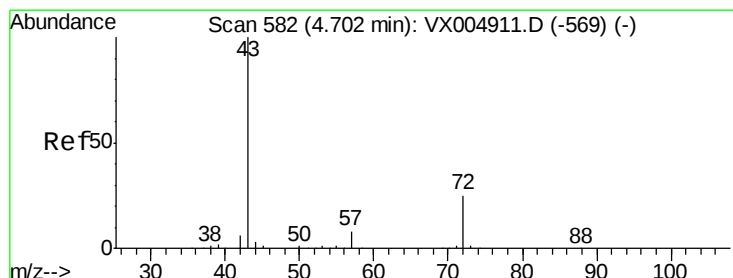
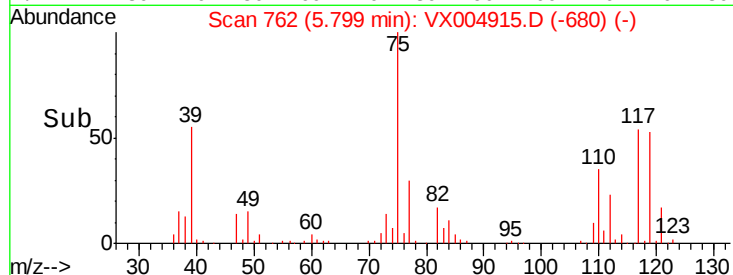
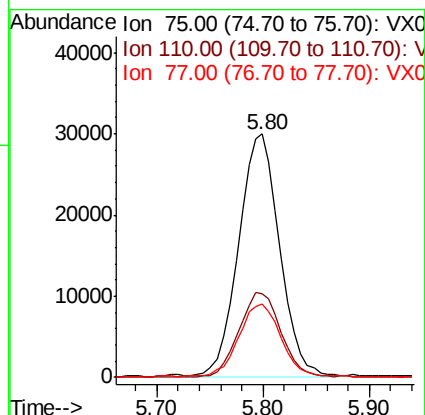
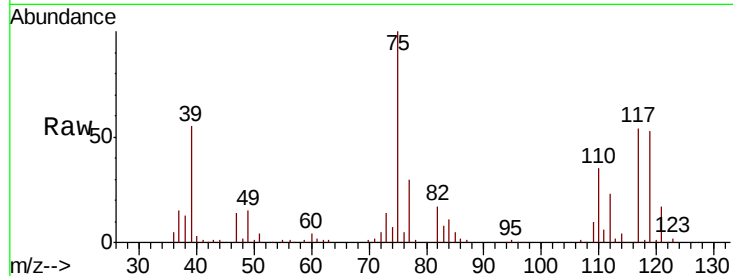
ClientSampleId :

ICVVX100218

Tot Ion:	75	Resp:	81418
Ion Ratio	Lower	Upper	
75	100		
110	35.6	0.0	70.8
77	31.0	0.0	63.0

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#30

2-Butanone

Concen: 112.007 ug/l

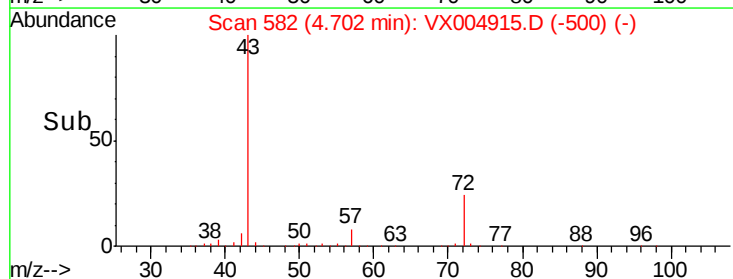
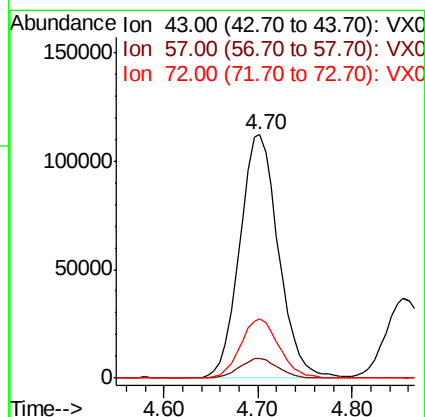
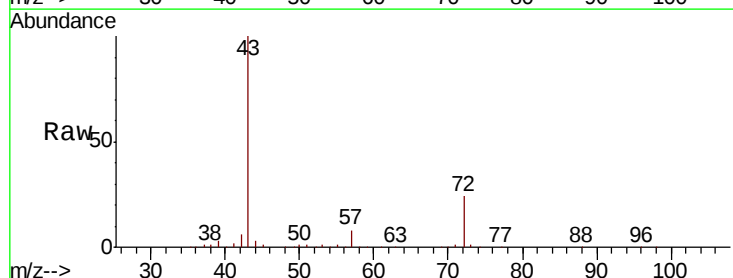
RT: 4.70 min Scan# 582

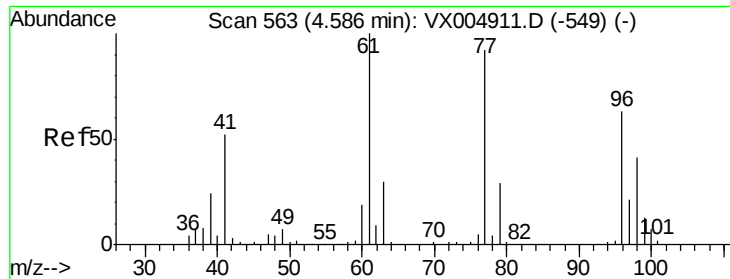
Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Tgt Ion:	43	Resp:	321914
Ion Ratio	Lower	Upper	
43	100		
57	8.0	6.2	9.4
72	24.4	19.7	29.5





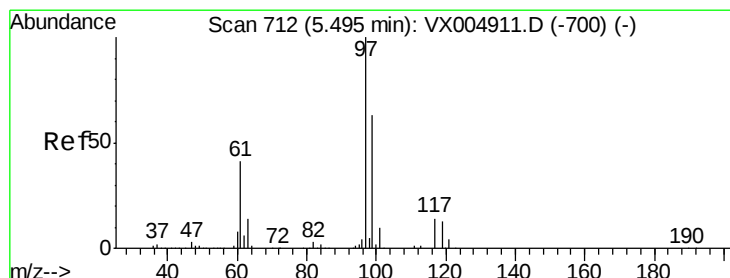
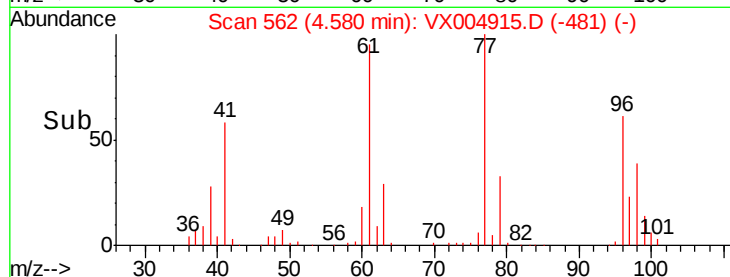
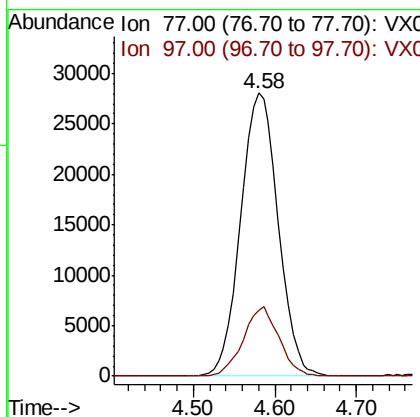
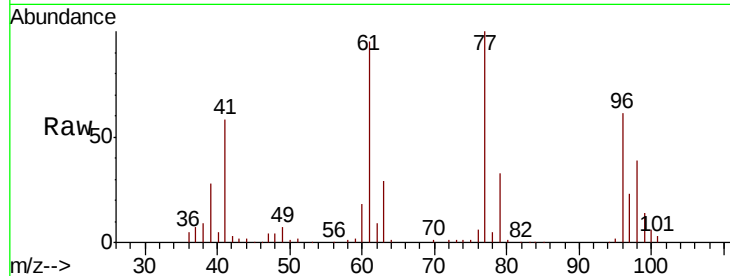
#31
 2,2-Dichloropropane
 Concen: 23.151 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.4	18.5	27.7

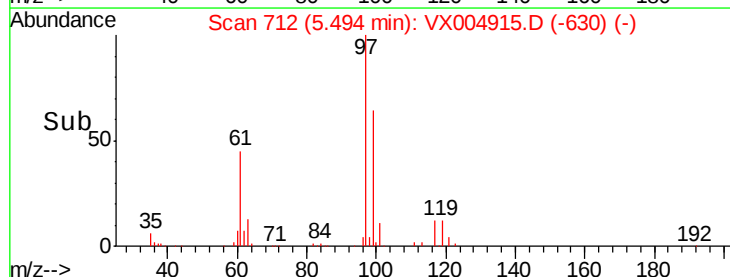
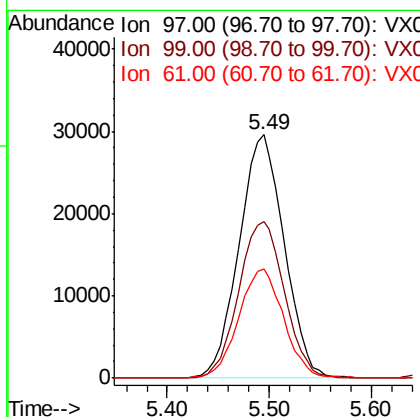
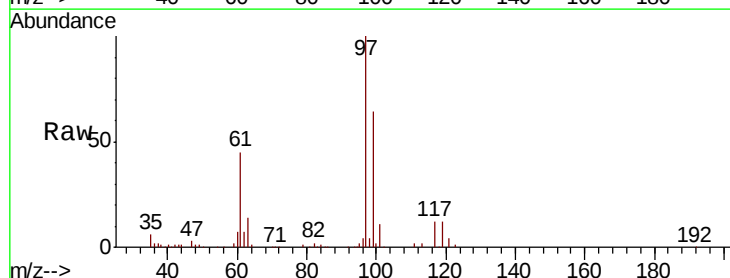
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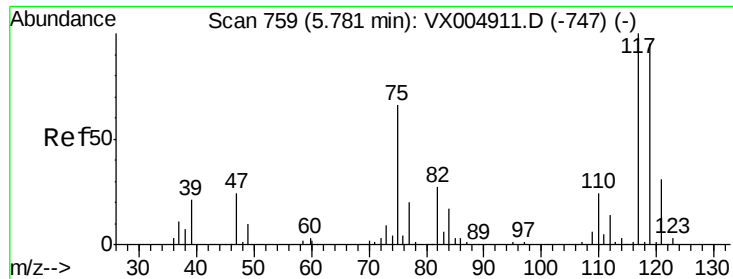
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#32
 1,1,1-Trichloroethane
 Concen: 22.361 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.6
61	44.8	35.8	53.6





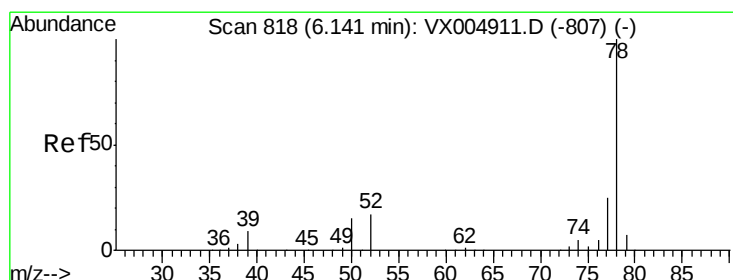
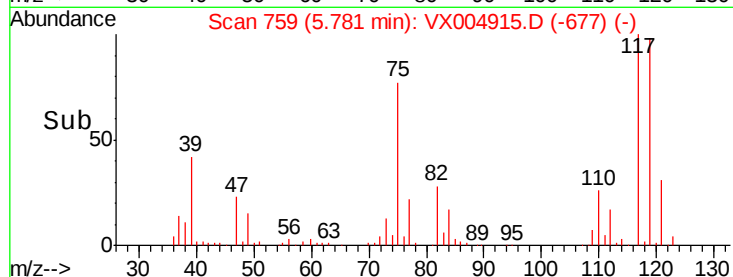
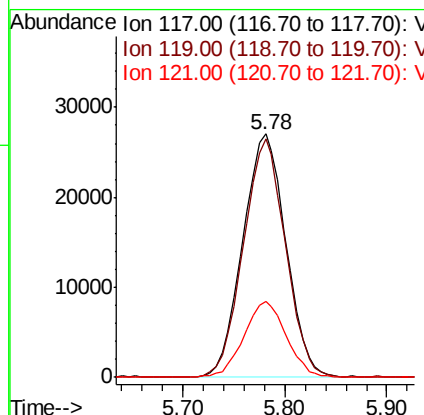
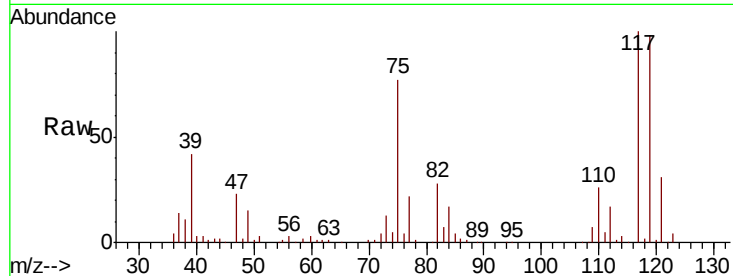
#33
Carbon Tetrachloride
Concen: 22.285 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.2	114.4
121	31.2	25.2	37.8

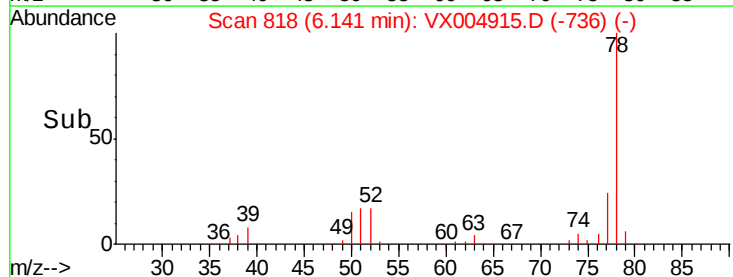
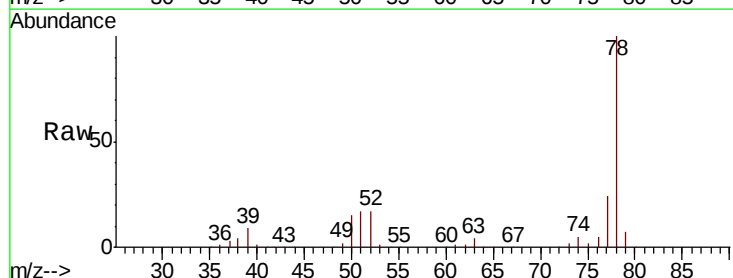
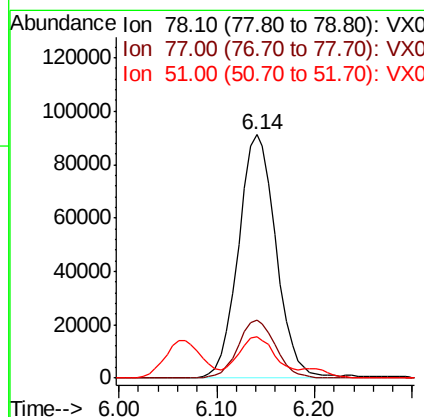
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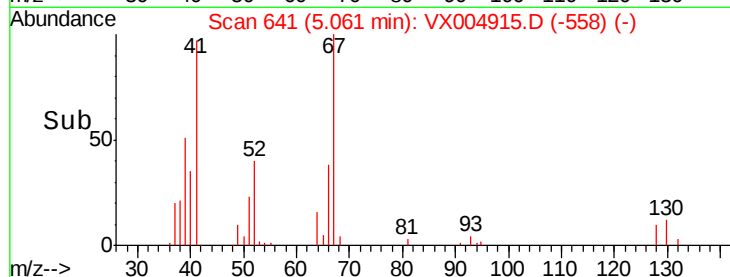
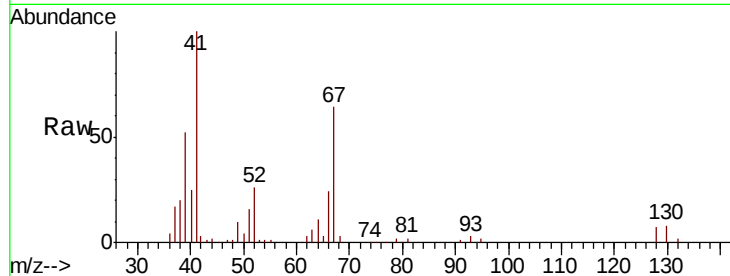
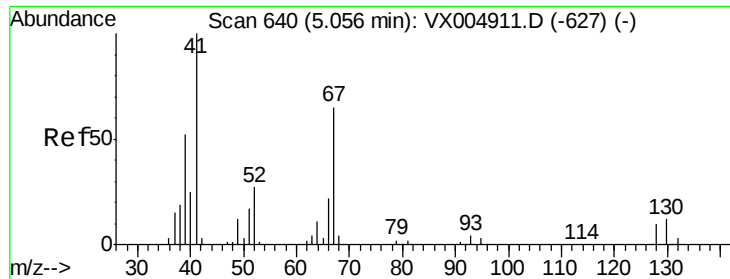
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#34
Benzene
Concen: 22.653 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.8
51	16.3	13.8	20.6





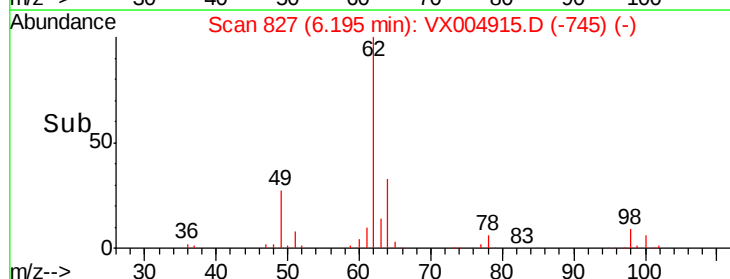
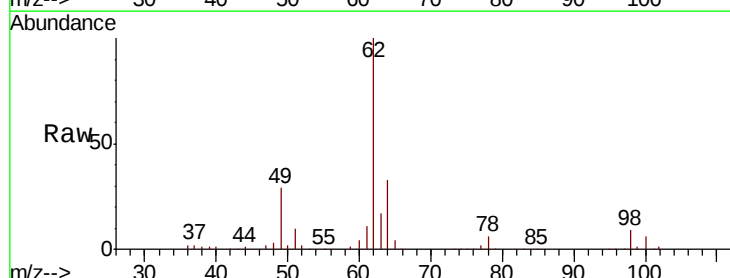
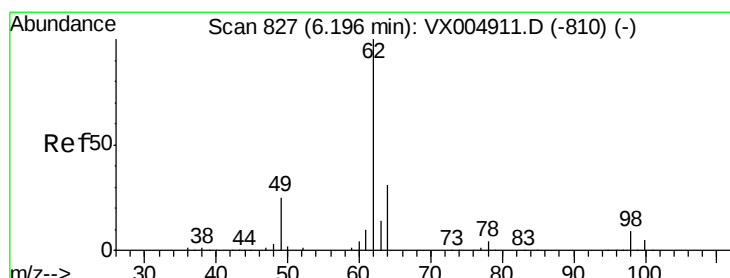
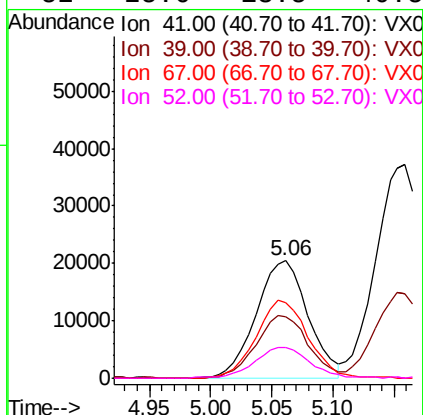
#35
Methacrylonitrile
Concen: 22.547 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	26.1	78.3	
67	64.7	32.3	96.9	
52	25.6	13.5	40.5	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

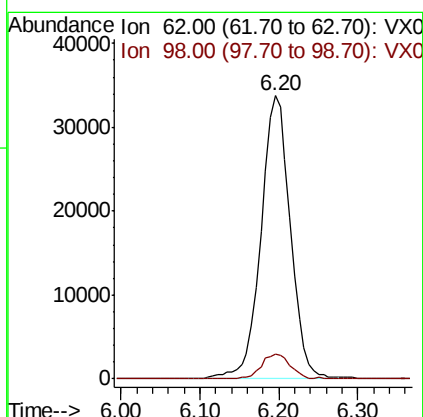
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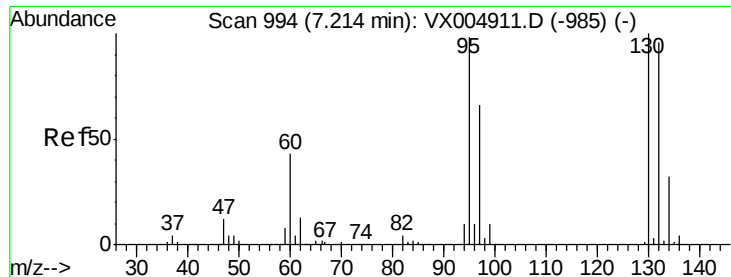
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#36
1,2-Dichloroethane
Concen: 22.622 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	7.5	11.3	





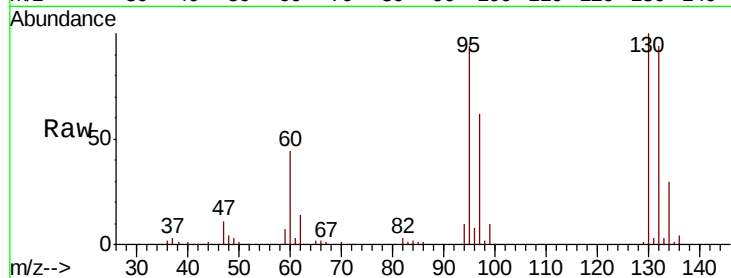
#37
 Trichloroethene
 Concen: 23.099 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

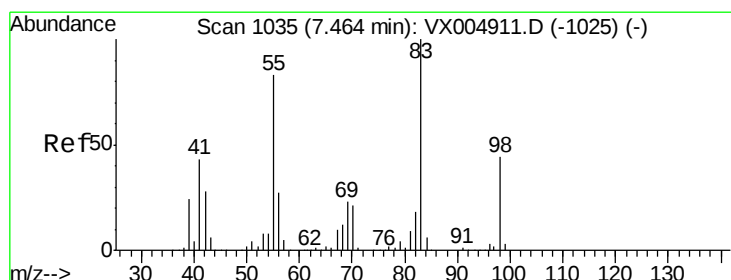
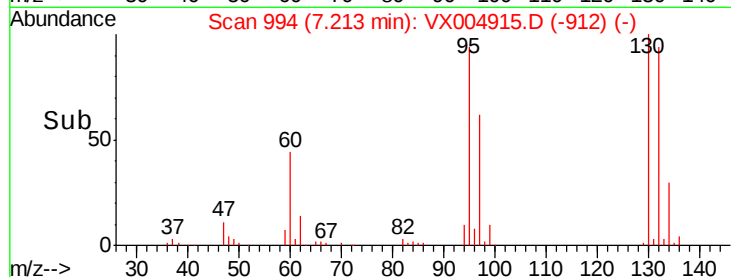
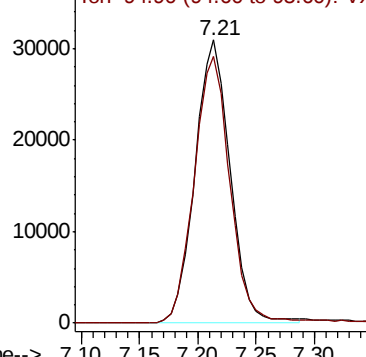
Tot Ion:130 Resp: 65271
 Ion Ratio Lower Upper
 130 100
 95 94.0 78.5 117.7

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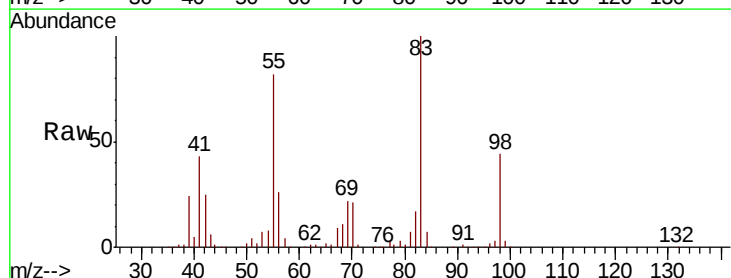


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

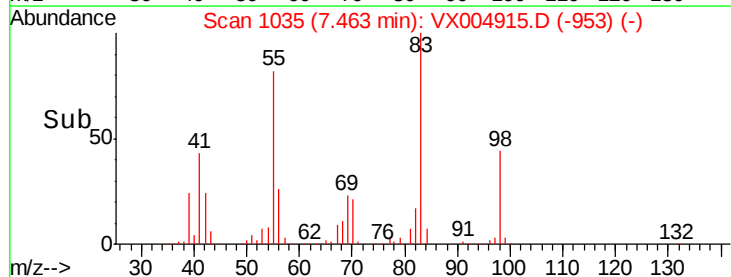
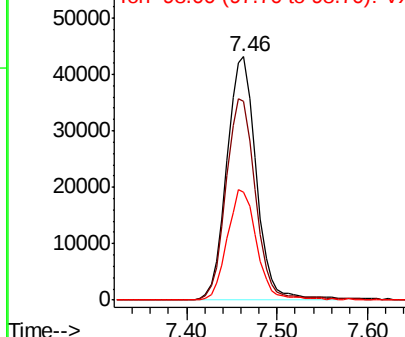


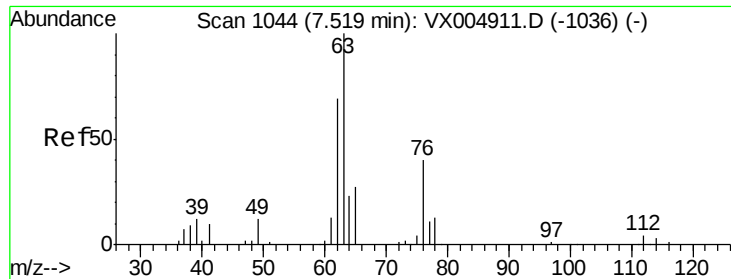
#38
 Methylcyclohexane
 Concen: 23.310 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion: 83 Resp: 97828
 Ion Ratio Lower Upper
 83 100
 55 81.8 41.8 125.3
 98 45.3 22.4 67.3



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





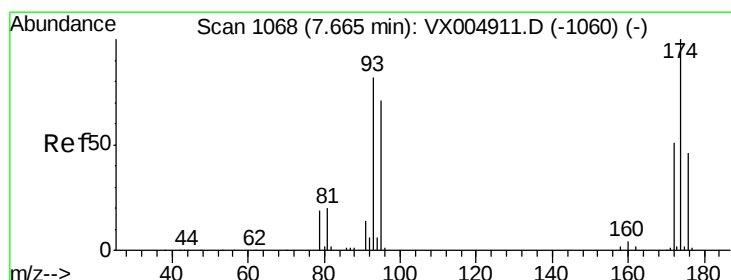
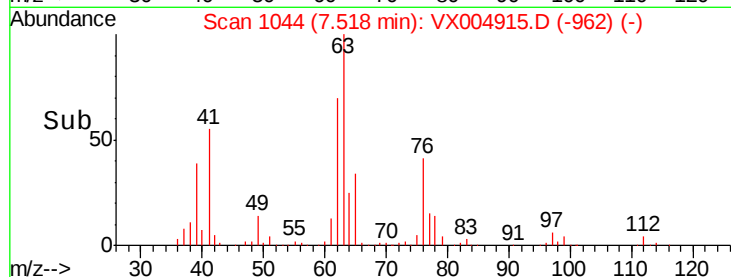
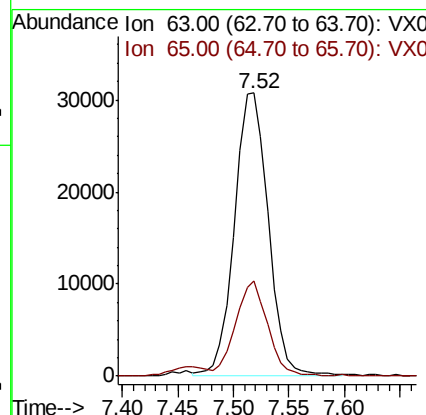
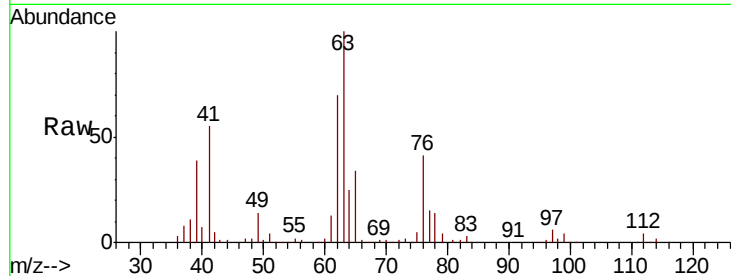
#39
 1,2-Dichloropropane
 Concen: 22.745 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Tot Ion: 63 Resp: 65009
 Ion Ratio Lower Upper
 63 100
 65 33.6 23.2 34.8

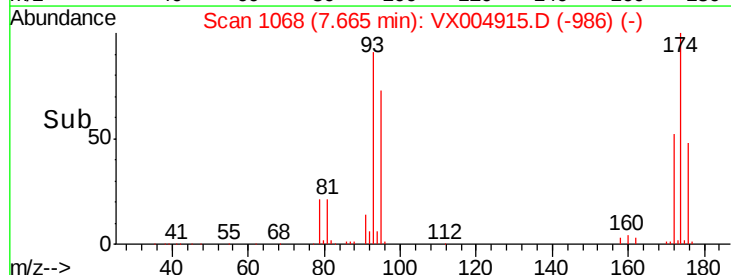
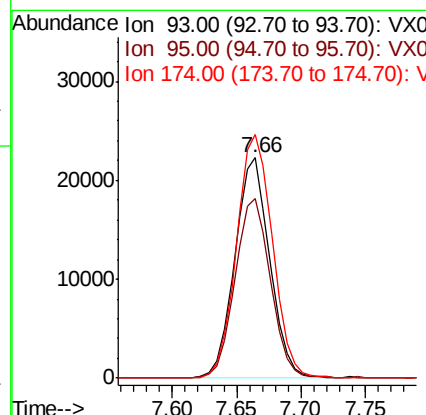
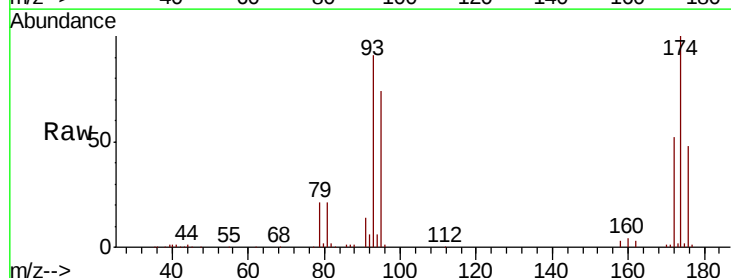
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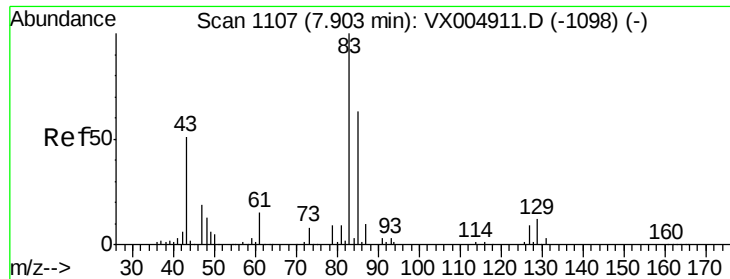
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#40
 Dibromomethane
 Concen: 22.688 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion: 93 Resp: 42030
 Ion Ratio Lower Upper
 93 100
 95 82.6 0.0 172.4
 174 113.4 0.0 234.0





#41

Bromodichloromethane

Concen: 22.076 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

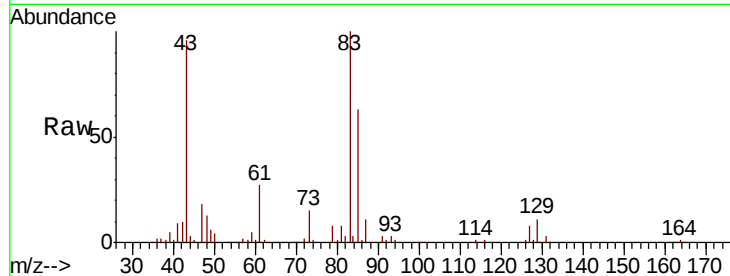
ClientSampleId :

ICVVX100218

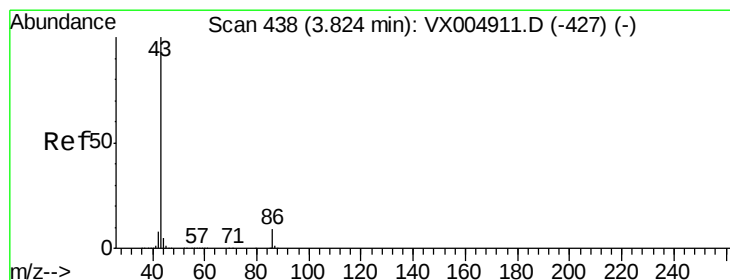
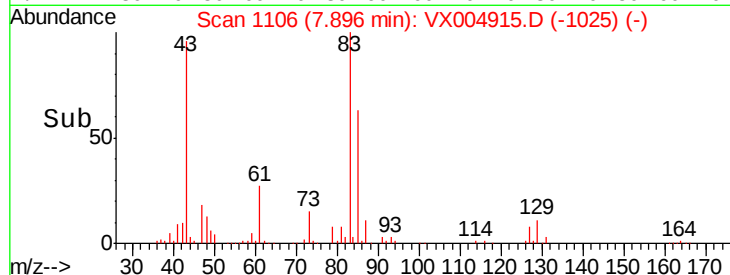
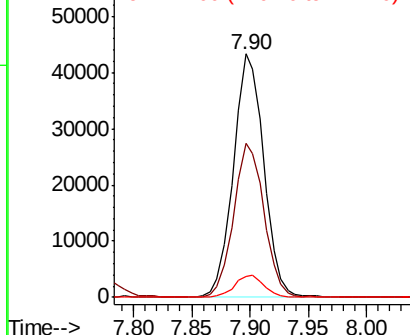
Tot Ion:	83	Resp:	78839
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.2	75.4
127	8.4	6.9	10.3

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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 122.657 ug/l

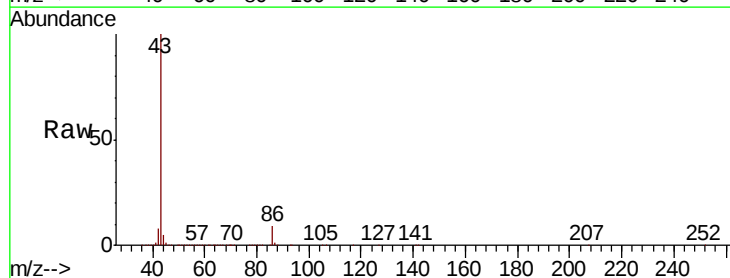
RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

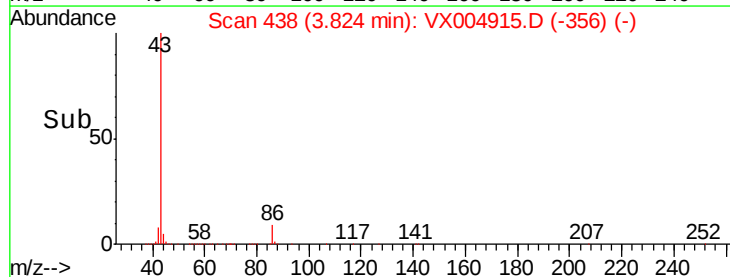
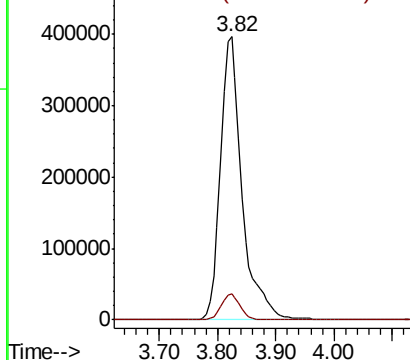
Lab File: VX004915.D

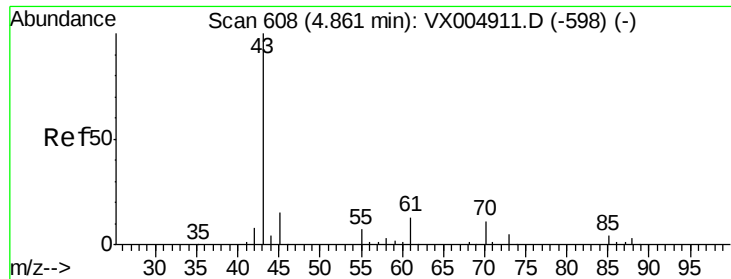
Acq: 02 Oct 2018 12:33

Tgt Ion:	43	Resp:	1019888
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	10.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





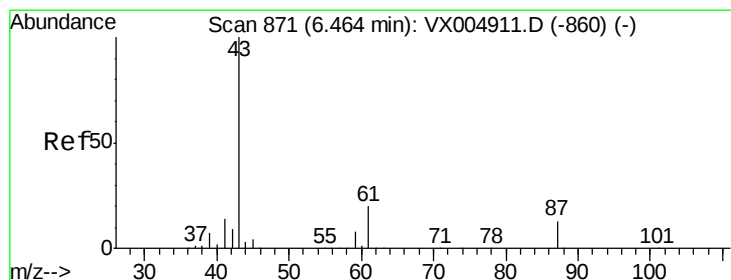
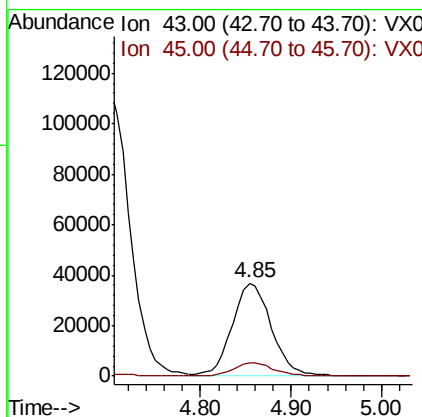
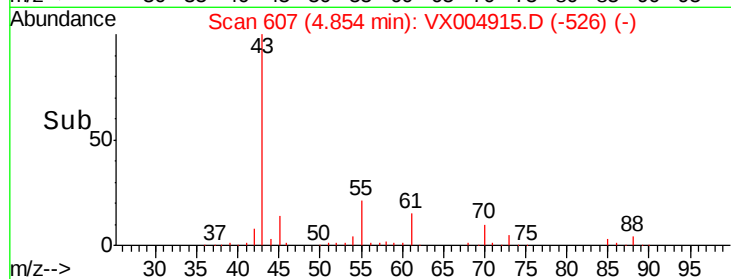
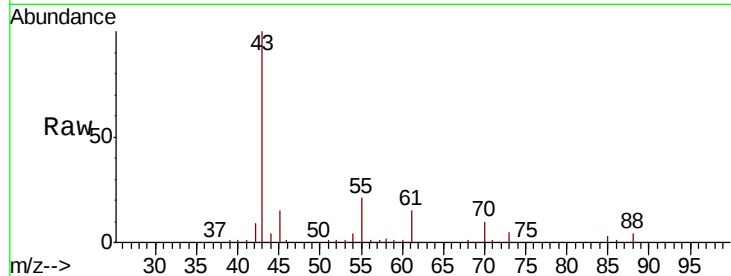
#43
Ethyl Acetate
Concen: 23.061 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

Tot Ion: 43 Resp: 109332
Ion Ratio Lower Upper
43 100
45 14.0 12.3 18.5

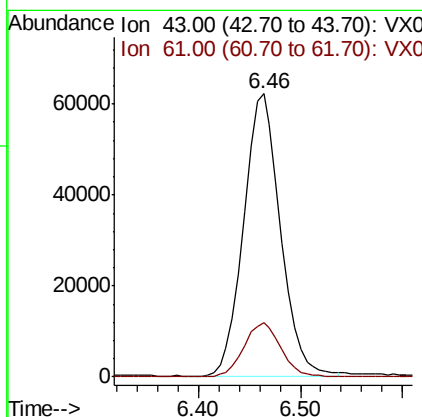
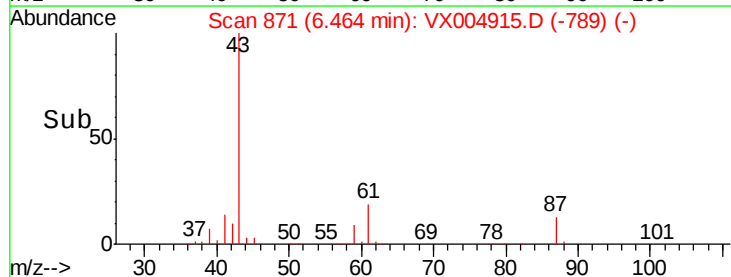
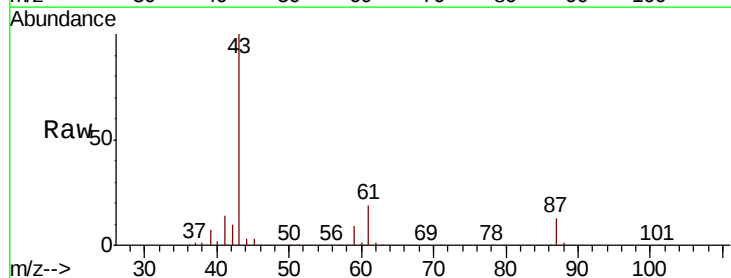
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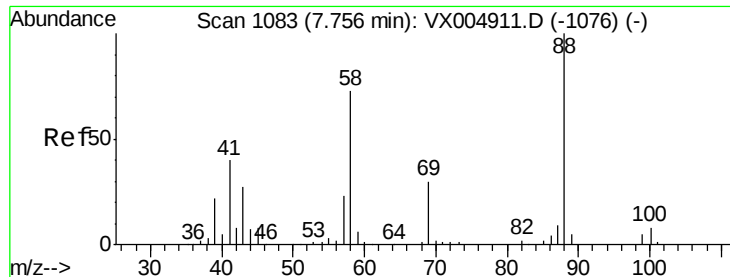
MMDadoda
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#44
Isopropyl Acetate
Concen: 22.036 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion: 43 Resp: 155903
Ion Ratio Lower Upper
43 100
61 19.3 15.7 23.5





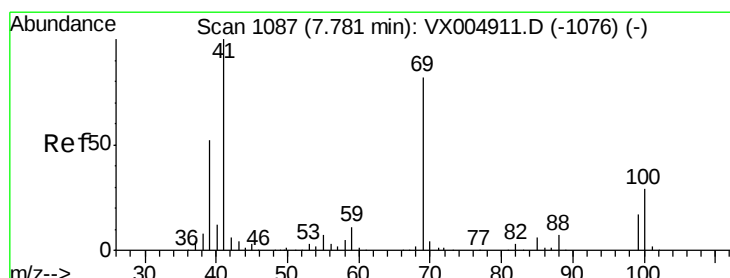
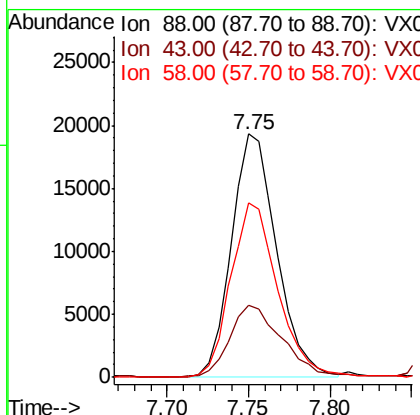
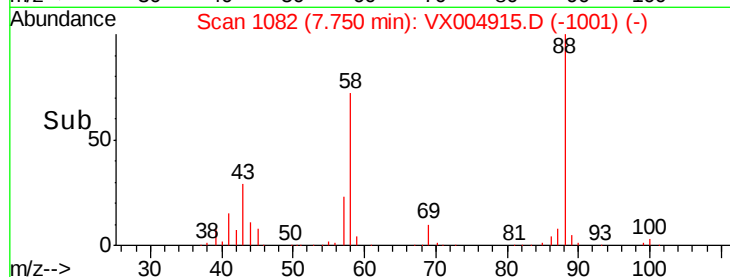
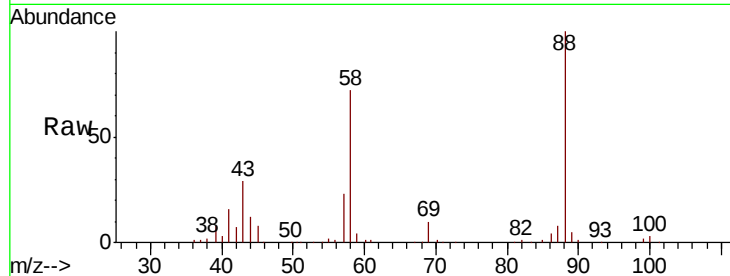
#45
 1,4-Dioxane
 Concen: 447.730 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Tot Ion:	88	Resp:	37320
Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.4	38.0
58	74.9	61.0	91.6

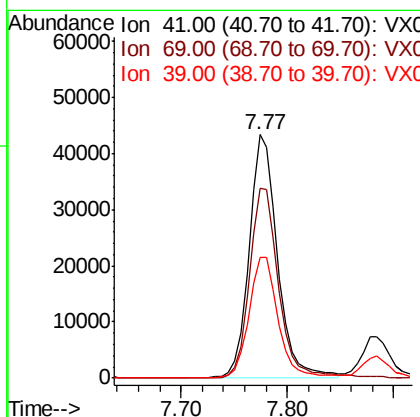
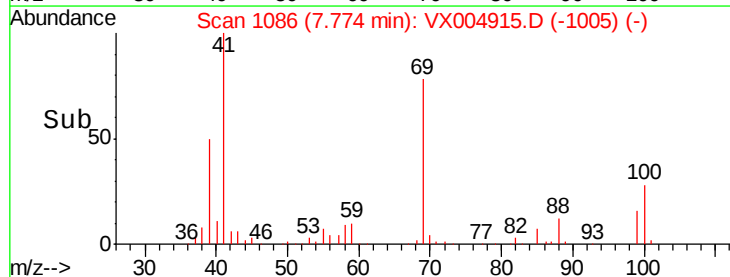
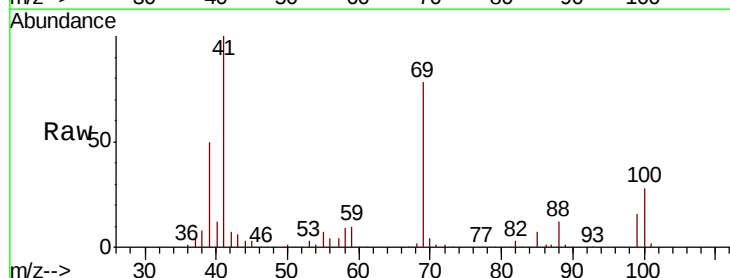
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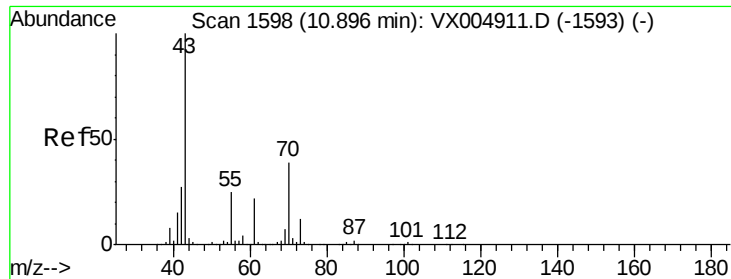
MMDadoda
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#46
 Methyl methacrylate
 Concen: 21.968 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion:	41	Resp:	80636
Ion	Ratio	Lower	Upper
41	100		
69	78.3	41.0	123.0
39	49.7	25.9	77.7





#47

n-amvl Acetate

Concen: 20.851 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX100218

Tot Ion: 43 Resp: 136102

Ion Ratio Lower Upper

43 100

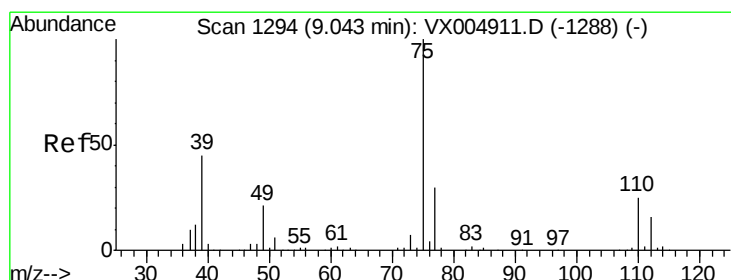
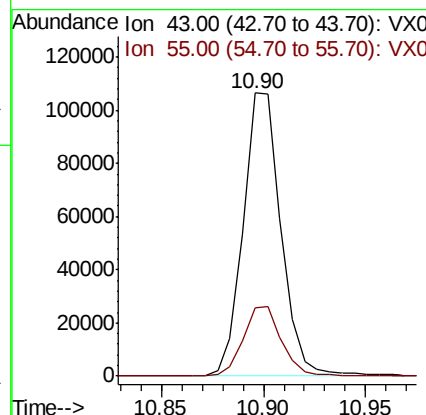
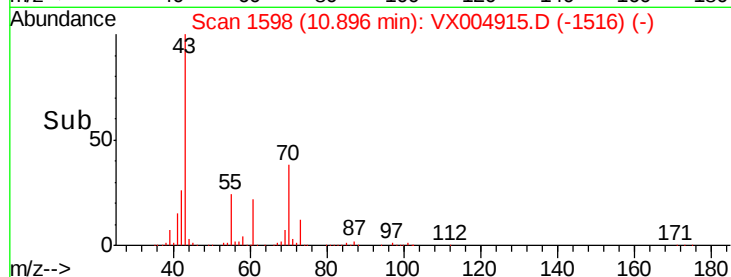
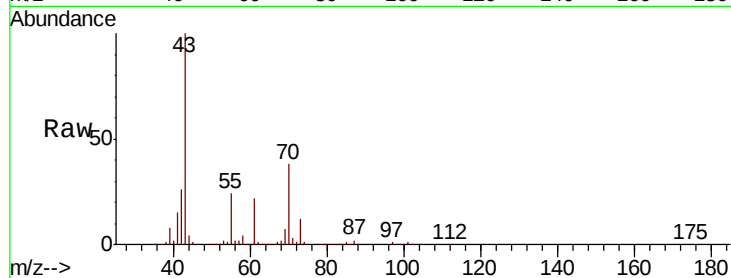
55 25.2 20.0 30.0

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 21.887 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004915.D

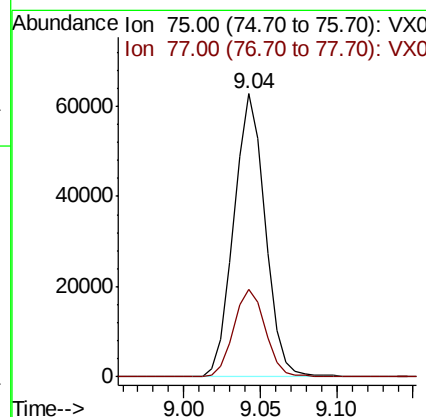
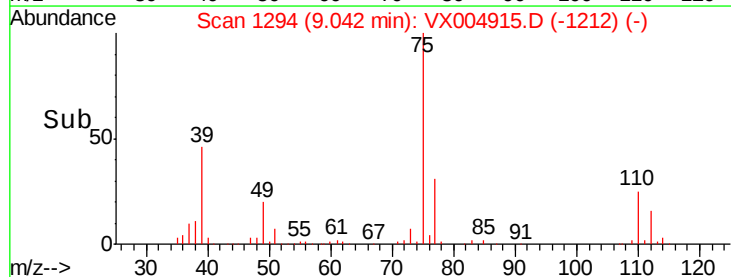
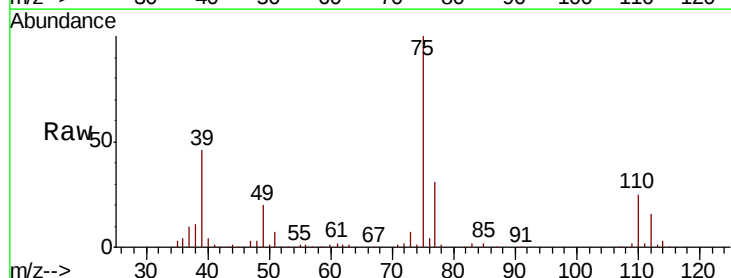
Acq: 02 Oct 2018 12:33

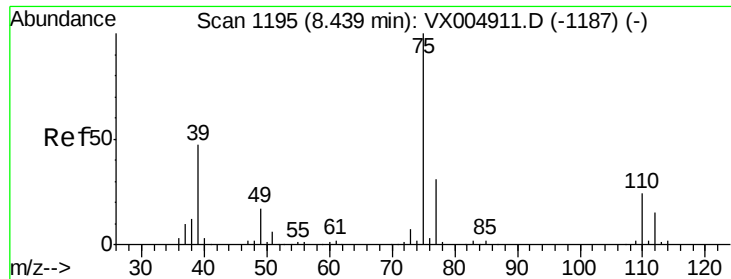
Tgt Ion: 75 Resp: 89423

Ion Ratio Lower Upper

75 100

77 30.8 24.4 36.6





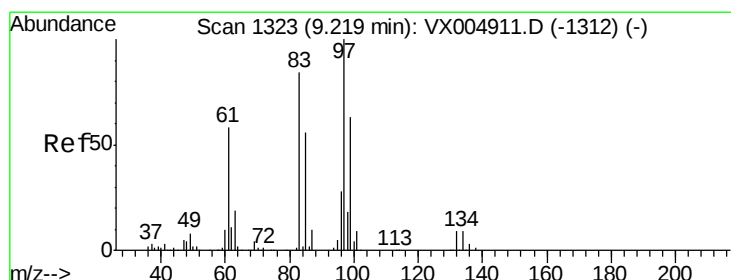
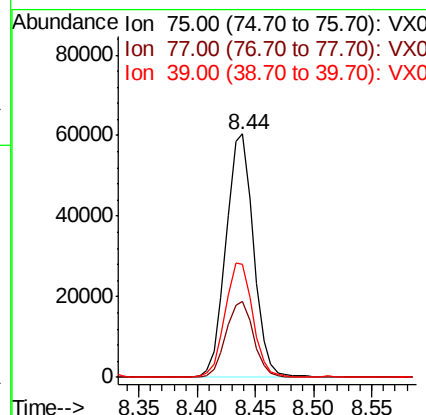
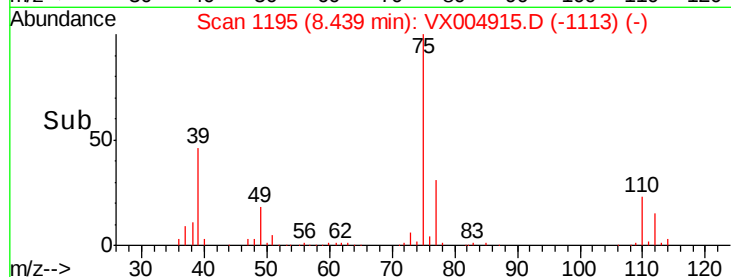
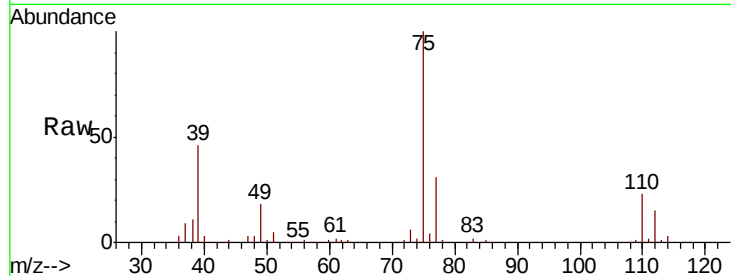
#49
 cis-1,3-Dichloropropene
 Concen: 22.401 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.9	37.3
39	46.1	38.0	57.0

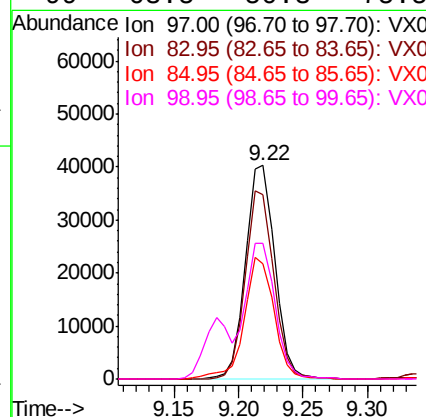
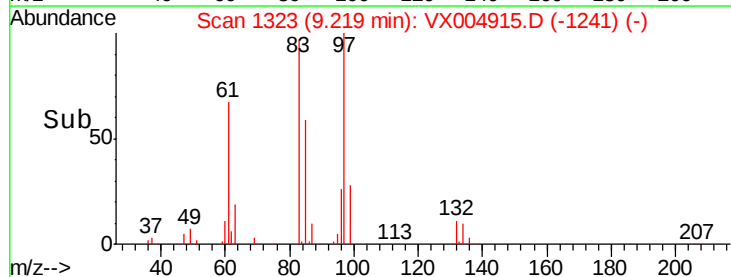
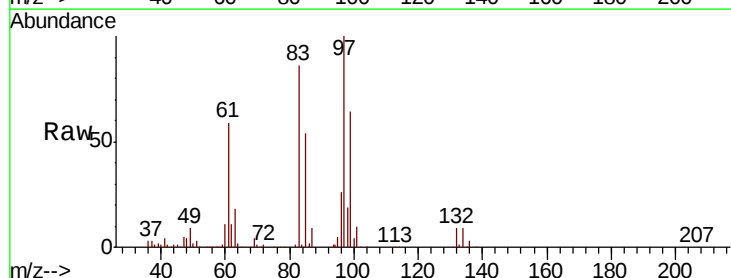
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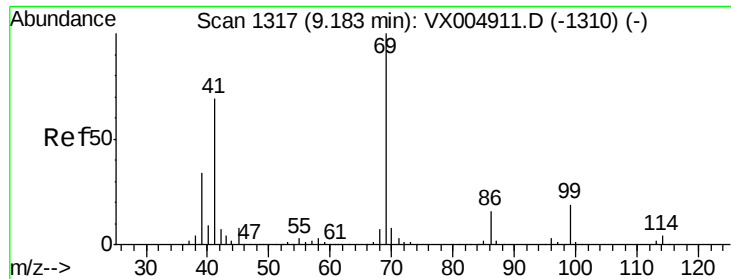
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#50
 1,1,2-Trichloroethane
 Concen: 22.670 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.2	100.8
85	53.9	44.7	67.1
99	63.5	50.3	75.5





#51

Ethyl methacrylate

Concen: 21.871 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

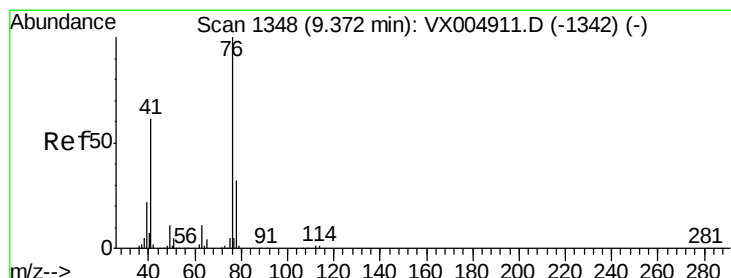
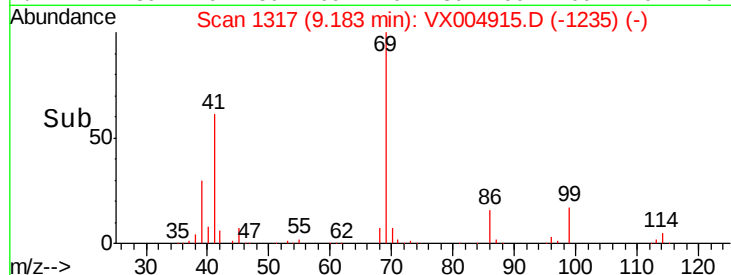
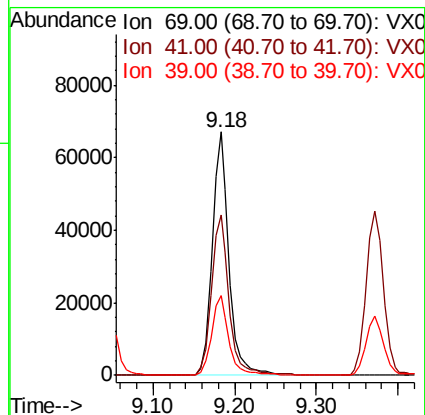
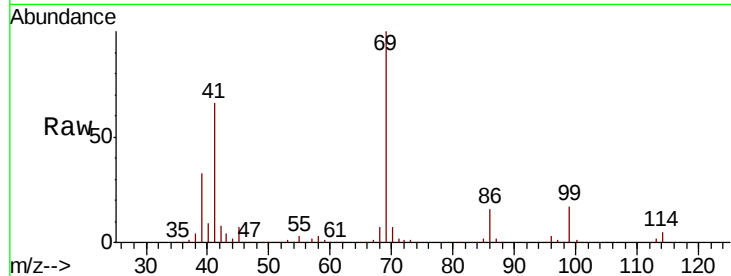
ClientSampleId :

ICVVX100218

Tot Ion:	69	Resp:	97349
Ion	Ratio	Lower	Upper
69	100		
41	65.6	34.6	103.9
39	32.5	17.0	51.0

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#52

1,3-Dichloropropane

Concen: 22.313 ug/l

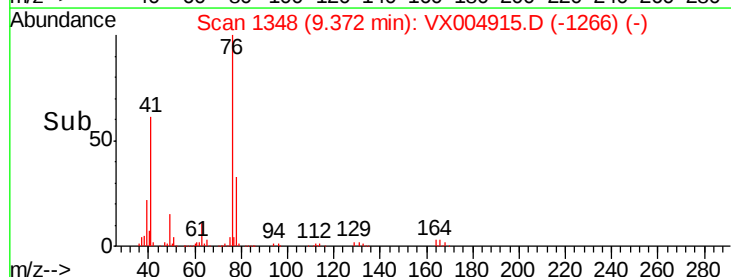
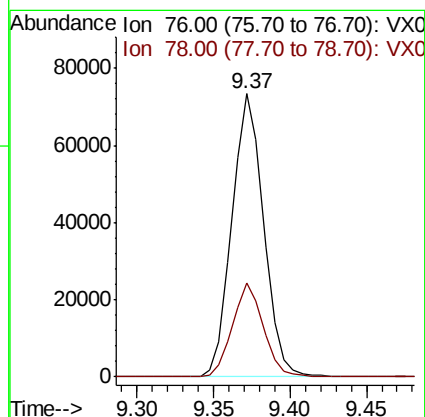
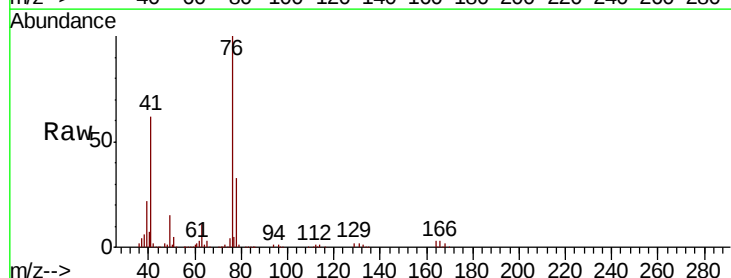
RT: 9.37 min Scan# 1348

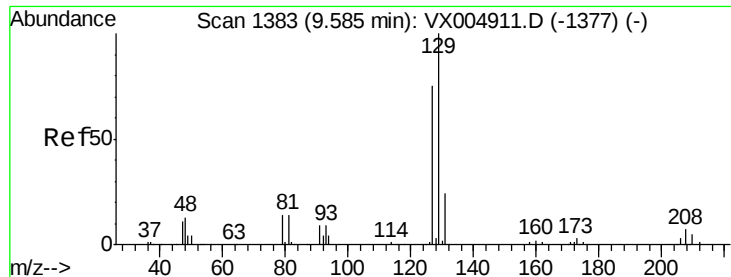
Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Tgt Ion:	76	Resp:	105579
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.4





#53

Dibromochloromethane

Concen: 21.564 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX100218

Tot Ion:129 Resp: 62747

Ion Ratio Lower Upper

129 100

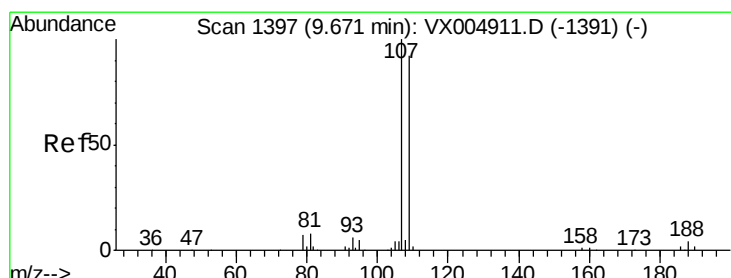
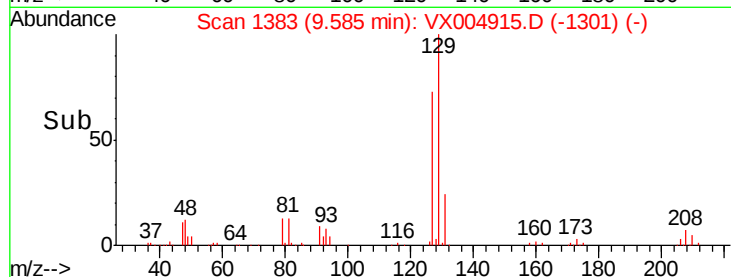
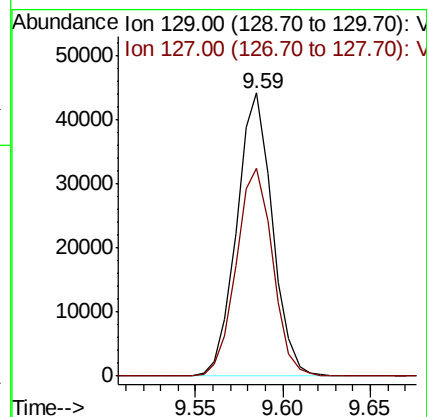
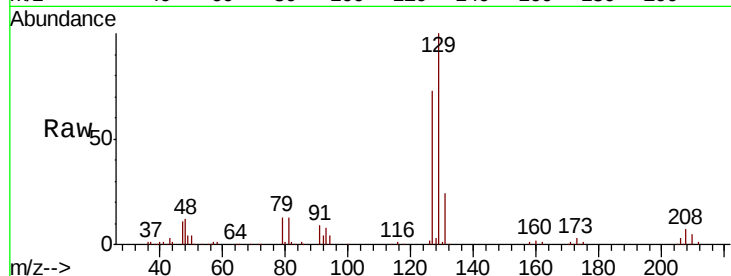
127 75.0 38.3 114.9

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#54

1,2-Dibromoethane

Concen: 22.291 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004915.D

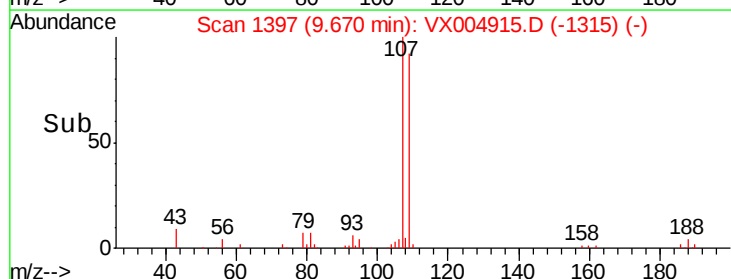
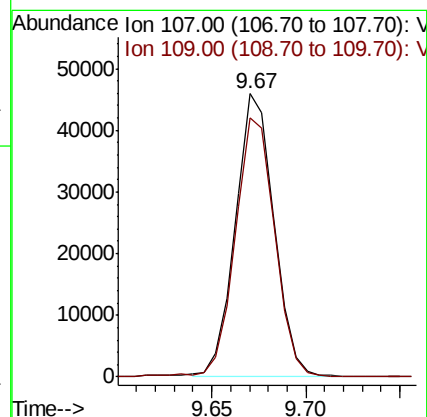
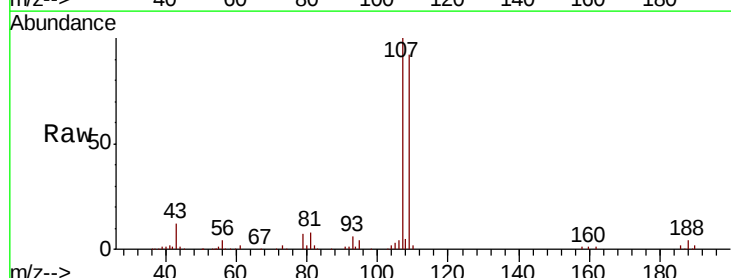
Acq: 02 Oct 2018 12:33

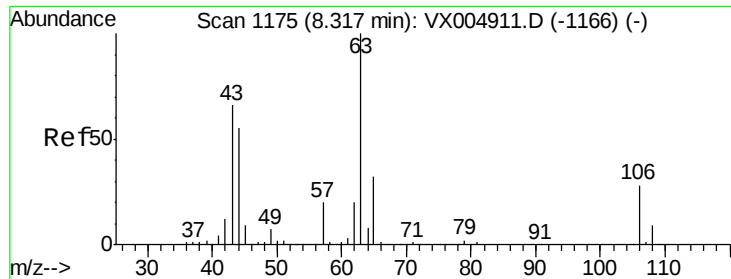
Tgt Ion:107 Resp: 65155

Ion Ratio Lower Upper

107 100

109 93.4 74.8 112.2





#55

2-Chloroethyl vinyl ether

Concen: 109.585 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

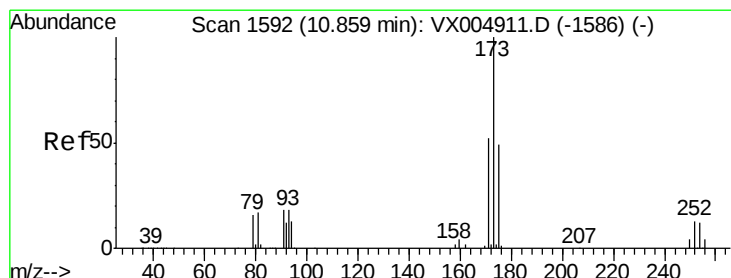
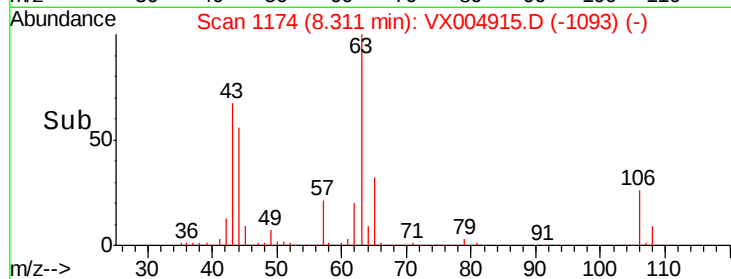
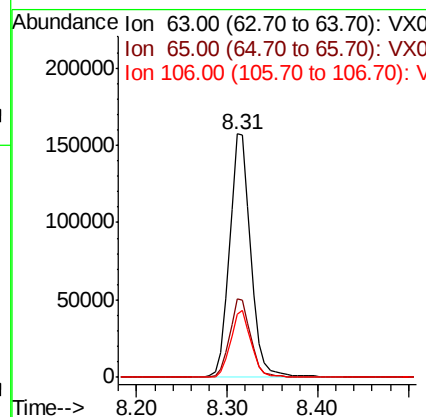
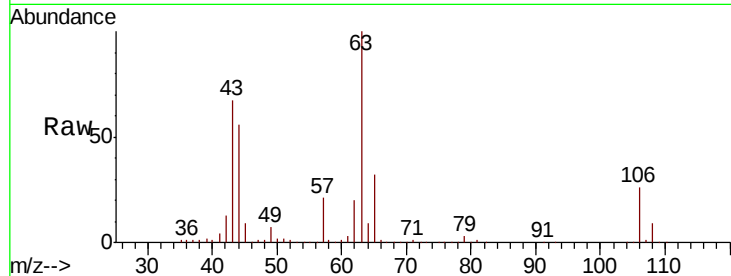
ClientSampleId :

ICVVX100218

Tot Ion:	63	Resp:	257385
Ion Ratio	Lower	Upper	
63	100		
65	32.2	25.9	38.9
106	26.8	21.8	32.6

Manual Integrations
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#56

Bromoform

Concen: 20.804 ug/l

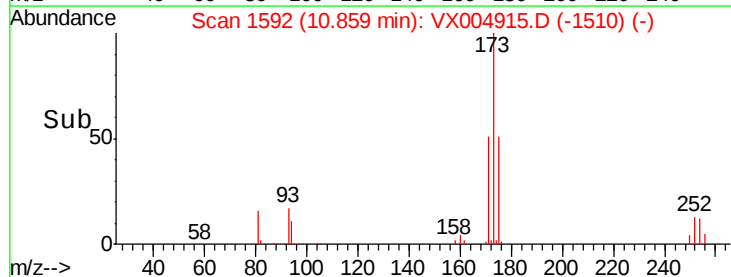
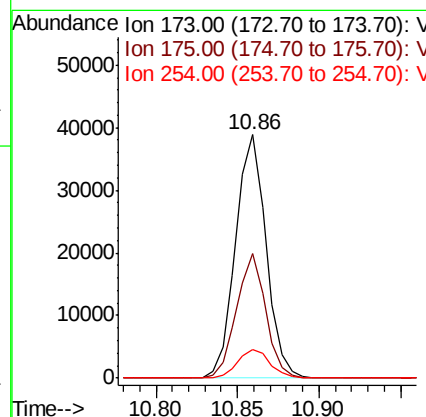
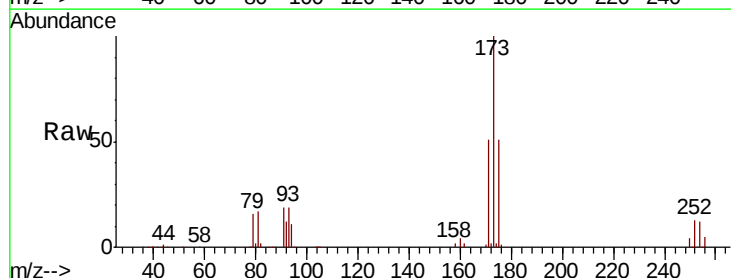
RT: 10.86 min Scan# 1592

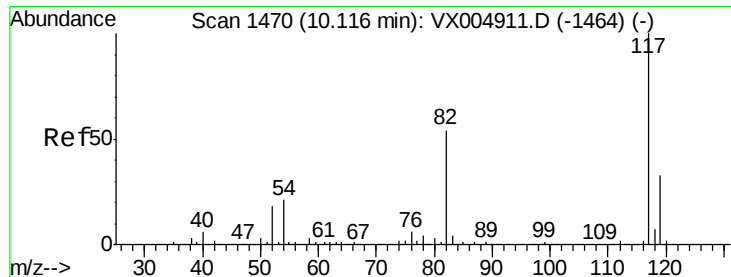
Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Tgt Ion:	173	Resp:	50556
Ion Ratio	Lower	Upper	
173	100		
175	48.8	39.7	59.5
254	12.2	9.6	14.4





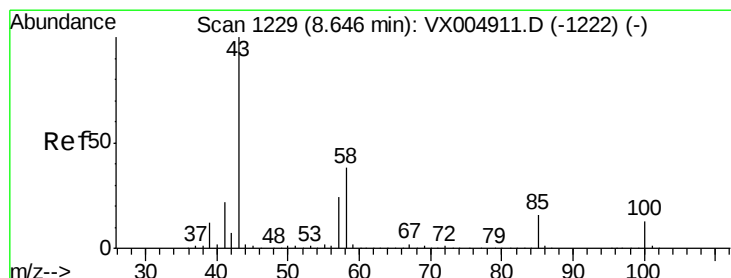
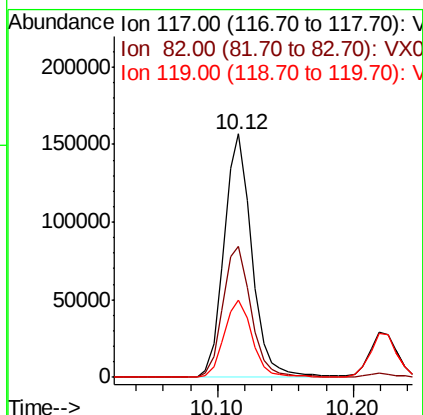
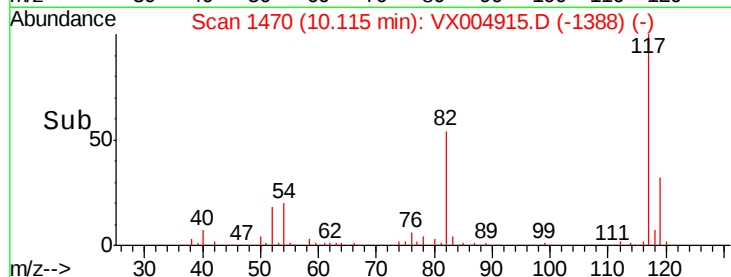
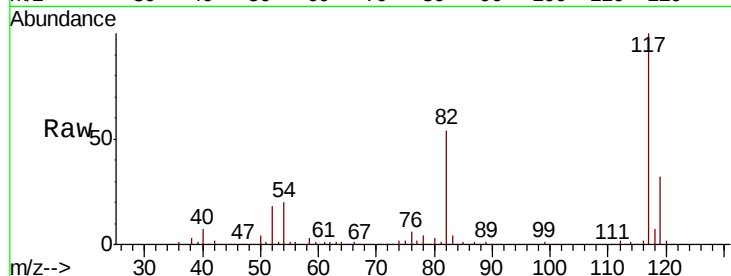
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.2	66.4
119	31.9	25.8	38.6

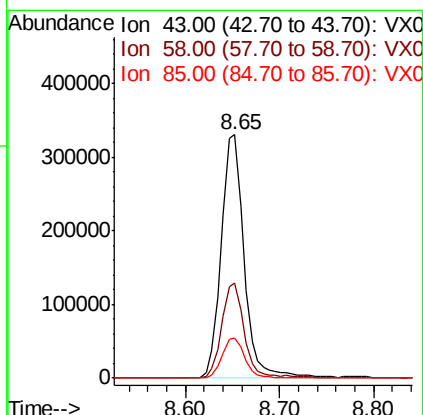
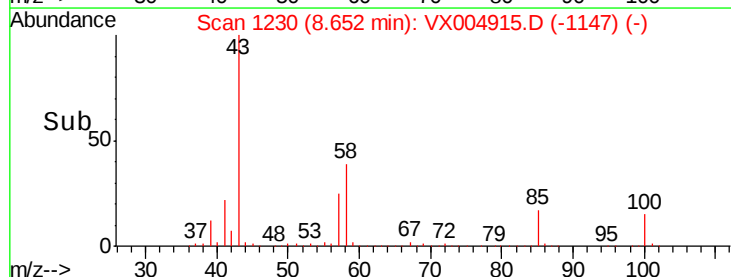
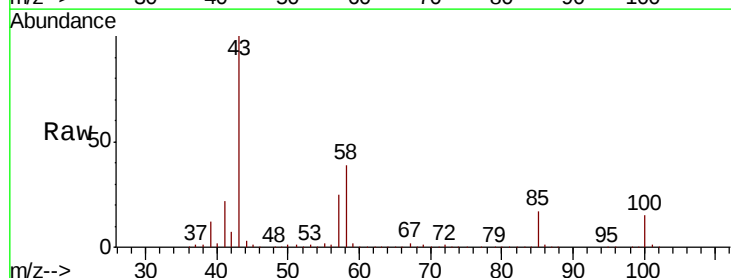
Manual Integrations
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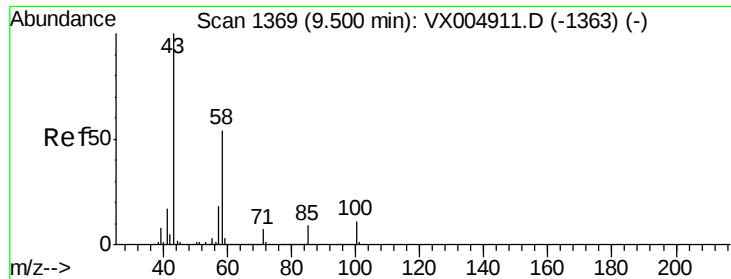
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#58
4-Methyl-2-Pentanone
Concen: 111.517 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.8	46.2
85	16.4	13.1	19.7





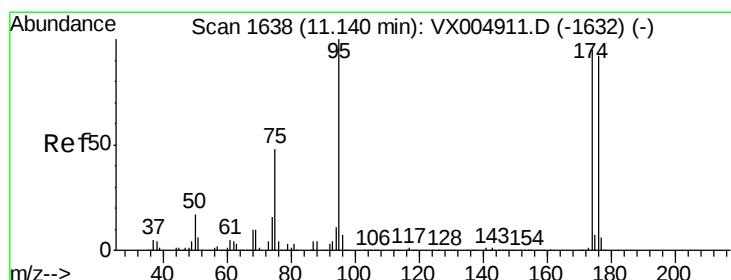
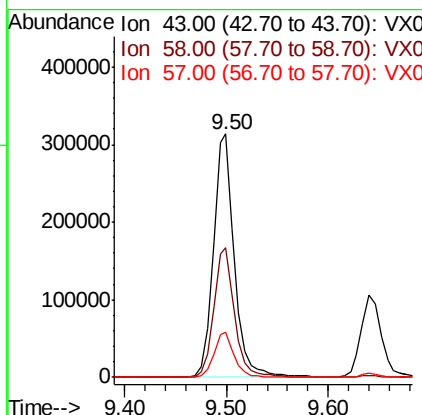
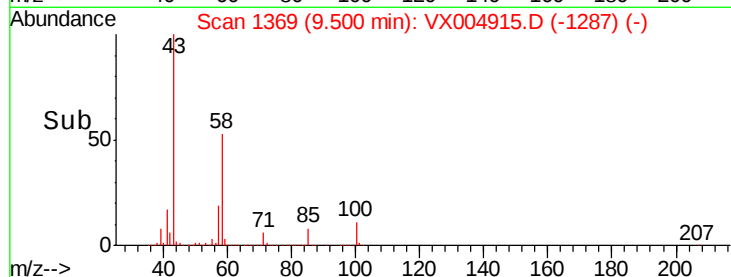
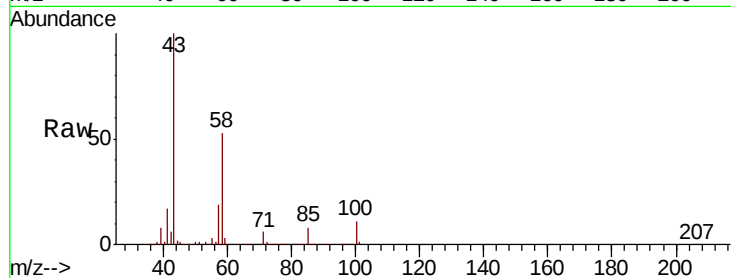
#59
2-Hexanone
Concen: 109.131 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	42.7	64.1
57	18.4	14.6	22.0

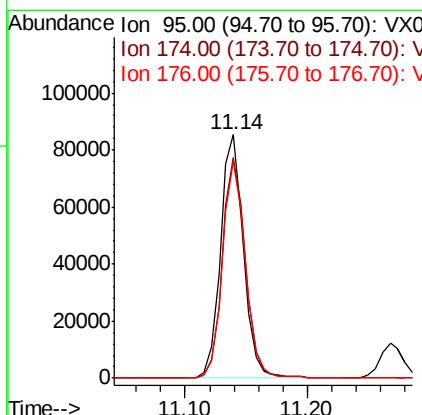
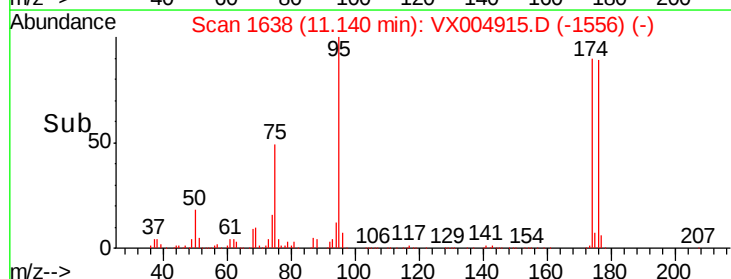
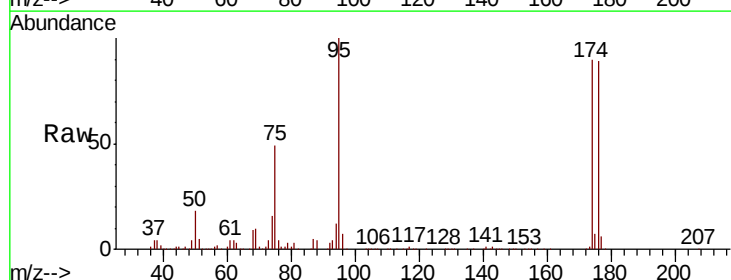
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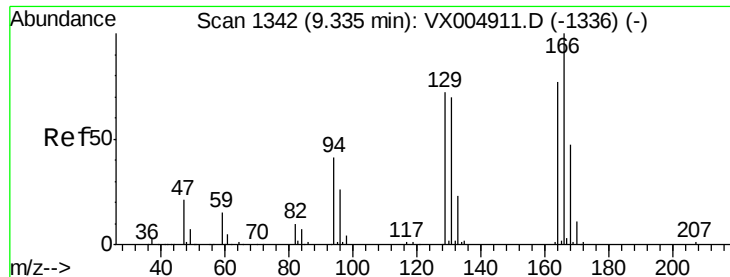
MMDadoda
10/3/2018 4:23:27 PM



#60
4-Bromofluorobenzene
Concen: 30.083 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	73.1	109.7
176	87.9	71.0	106.6





#61

Tetrachloroethene

Concen: 23.316 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

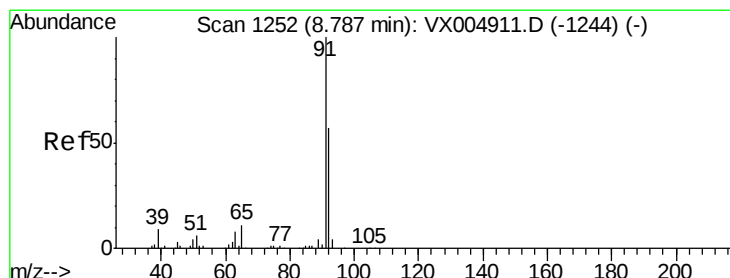
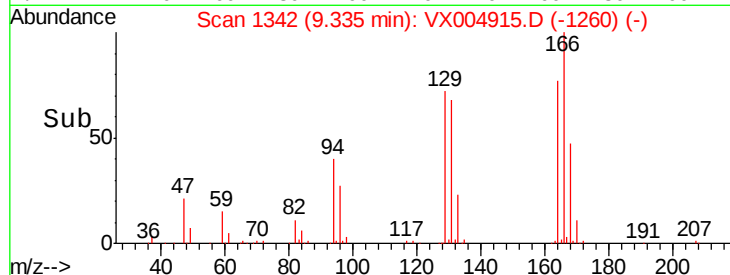
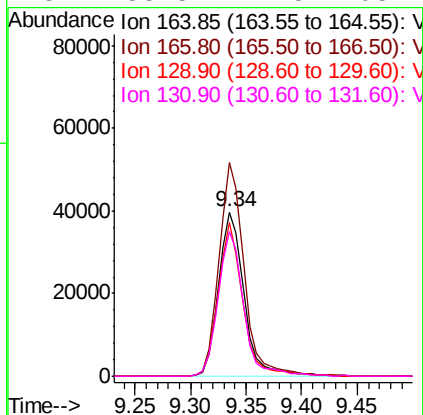
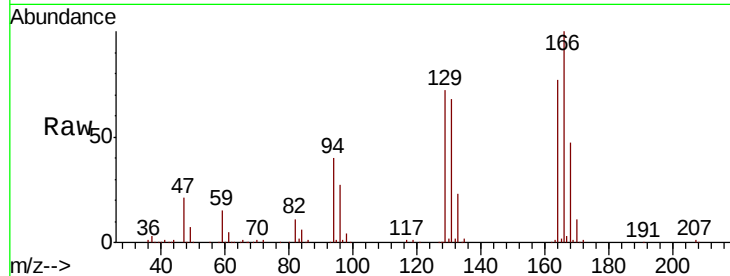
ClientSampleId :

ICVVX100218

Tot Ion:	164	Resp:	63369
Ion	Ratio	Lower	Upper
164	100		
166	130.1	104.0	156.0
129	93.2	75.1	112.7
131	88.5	72.5	108.7

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#62

Toluene

Concen: 22.551 ug/l

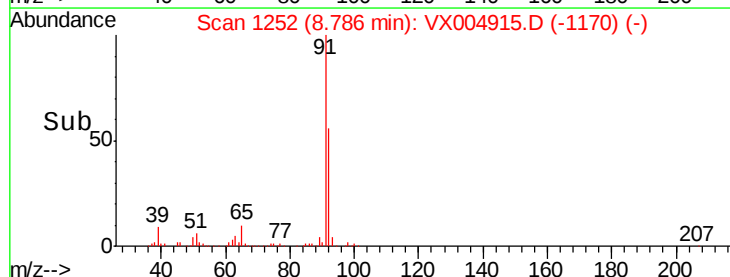
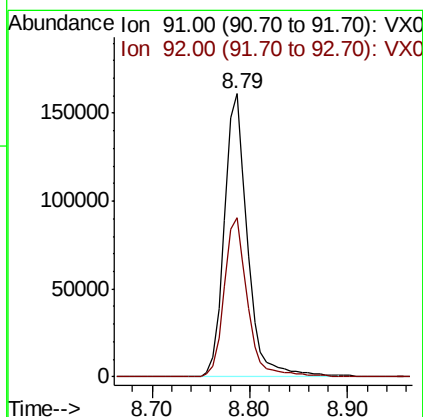
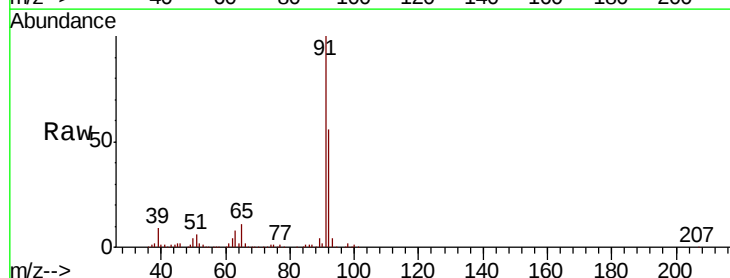
RT: 8.79 min Scan# 1252

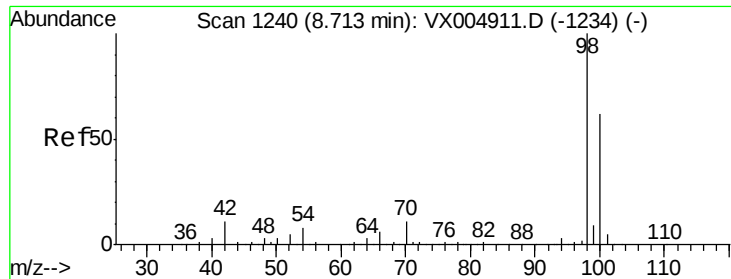
Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Tgt Ion:	91	Resp:	264684
Ion	Ratio	Lower	Upper
91	100		
92	57.0	46.2	69.4





#63

Toluene-d8

Concen: 29.318 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX100218

Tot Ion: 98 Resp: 292265

Ion Ratio Lower Upper

98 100

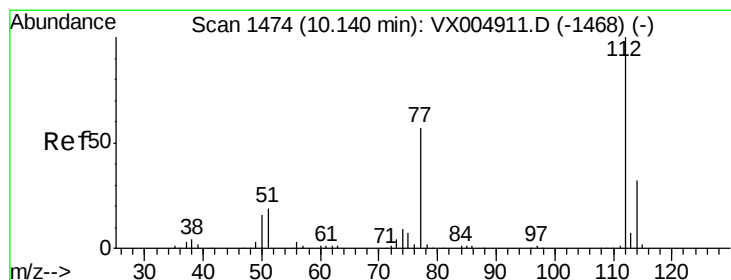
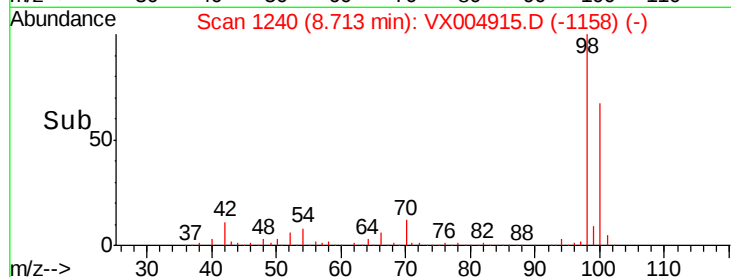
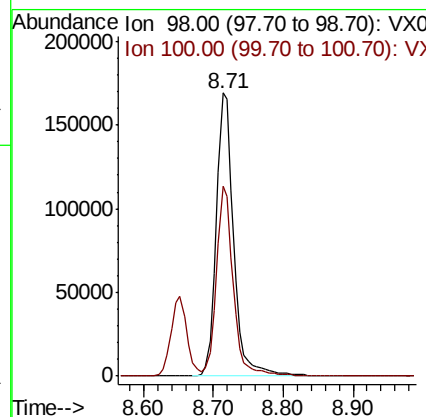
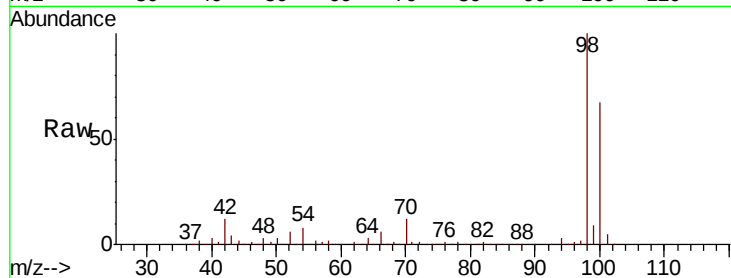
100 65.2 51.6 77.4

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#64

Chlorobenzene

Concen: 22.447 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004915.D

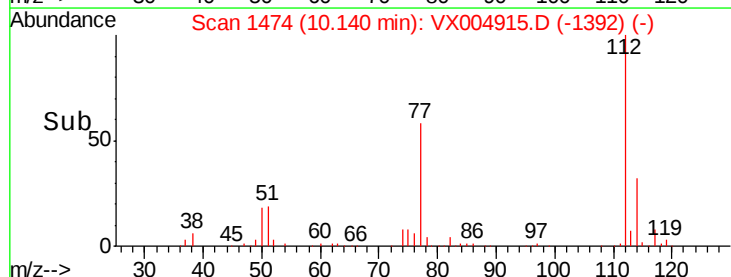
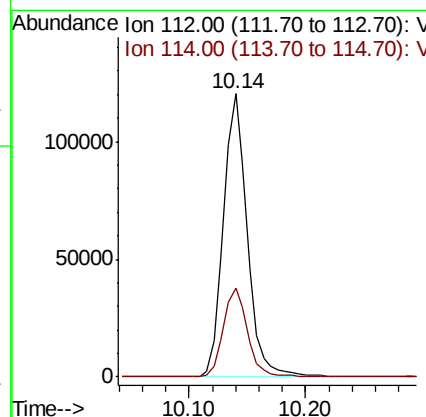
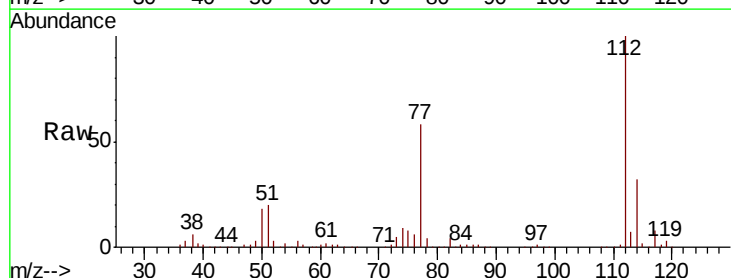
Acq: 02 Oct 2018 12:33

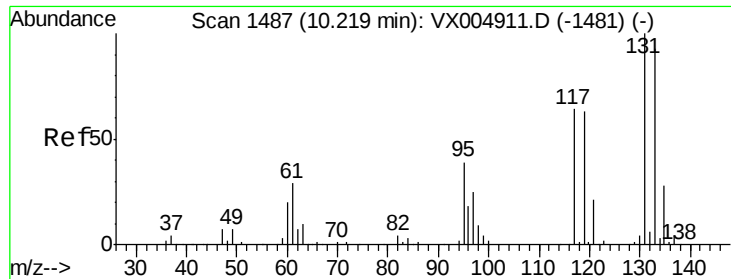
Tgt Ion: 112 Resp: 170142

Ion Ratio Lower Upper

112 100

114 31.5 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 21.480 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

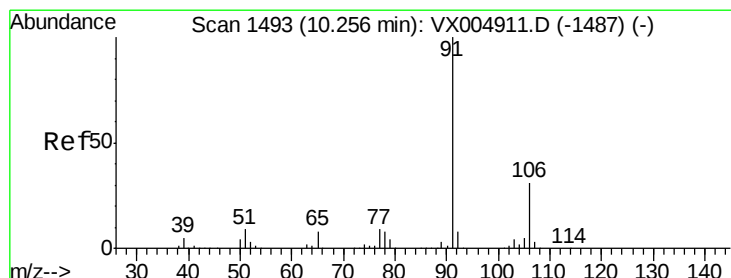
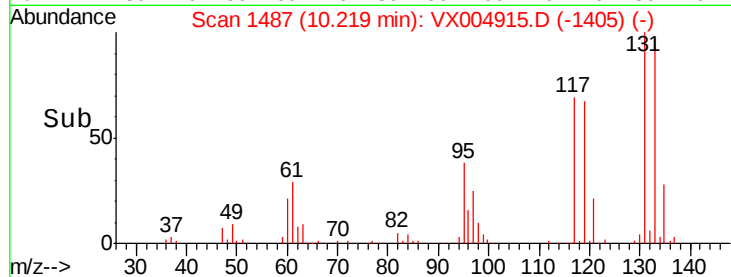
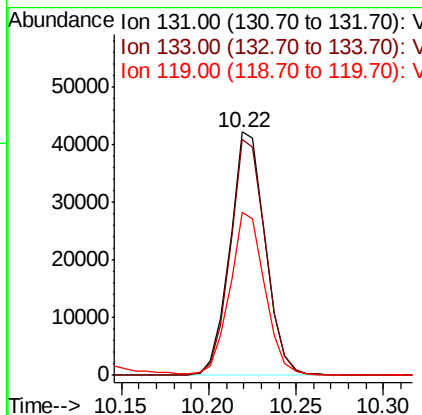
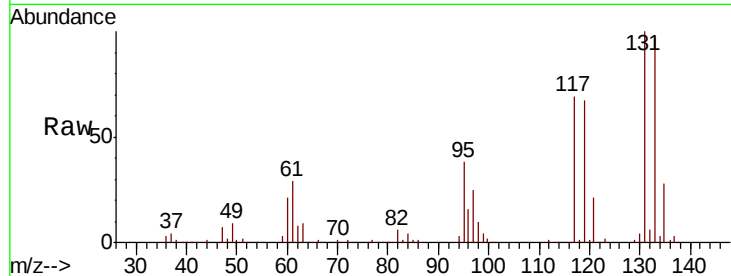
ClientSampleId :

ICVVX100218

Tot Ion	Ratio	Resp	Lower	Upper
131	100	59186		
133	97.4	0.0	190.4	
119	66.5	0.0	129.0	

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#66

Ethyl Benzene

Concen: 22.273 ug/l

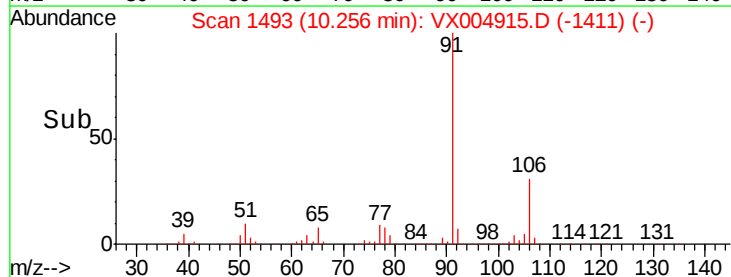
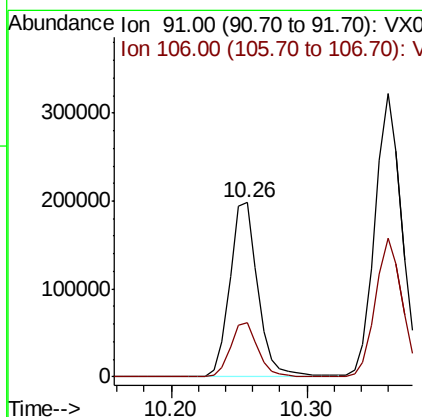
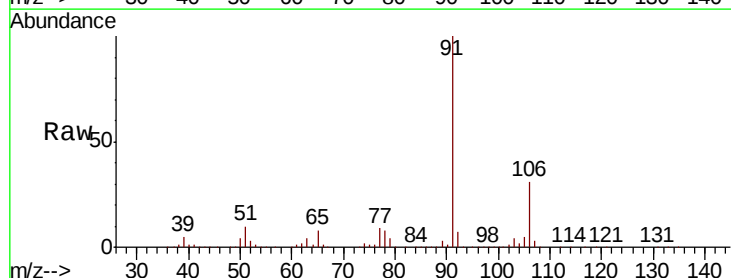
RT: 10.26 min Scan# 1493

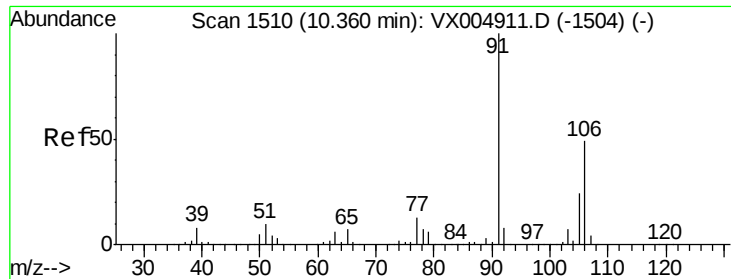
Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	285394		
106	31.5	24.5	36.7	





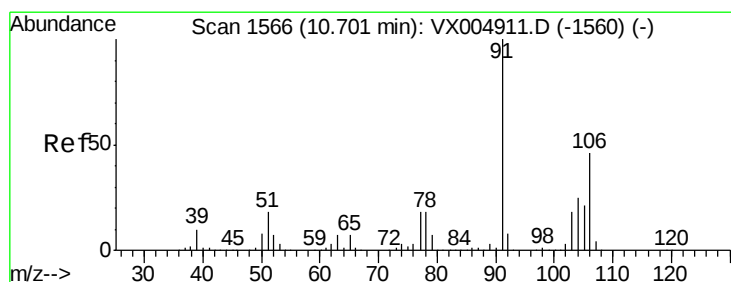
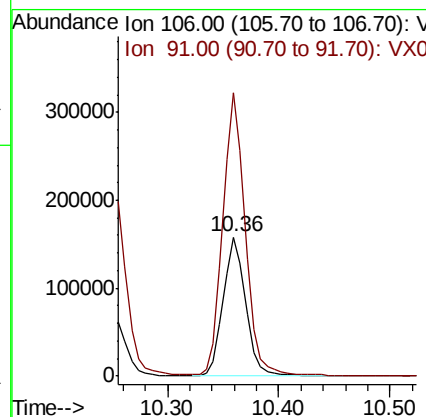
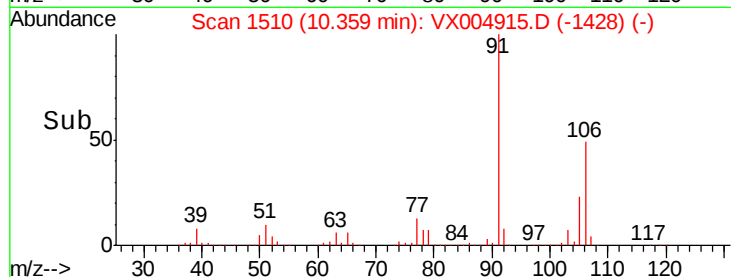
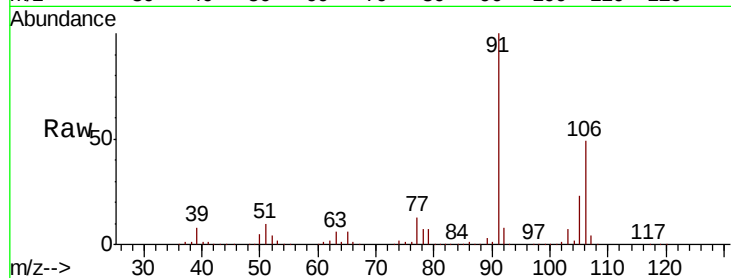
#67
m/p-Xvlenes
Concen: 44.437 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.2	165.5	248.3

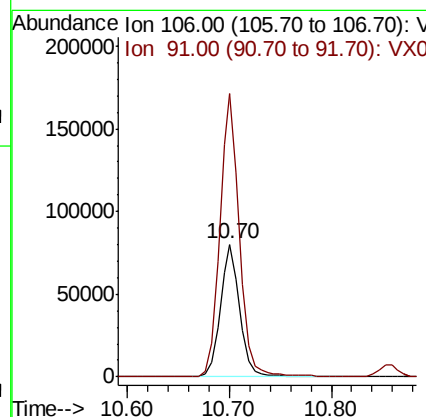
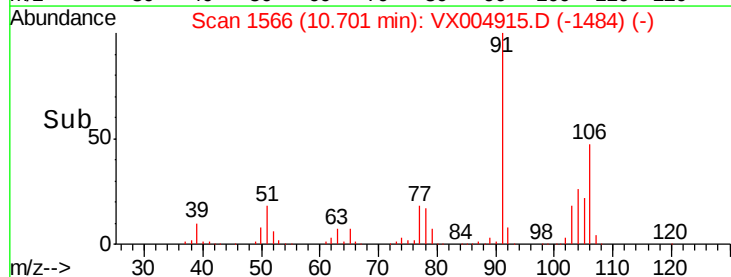
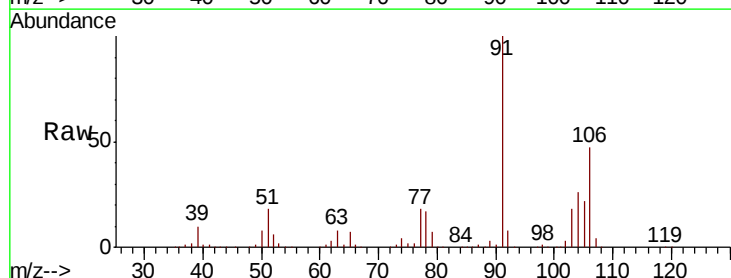
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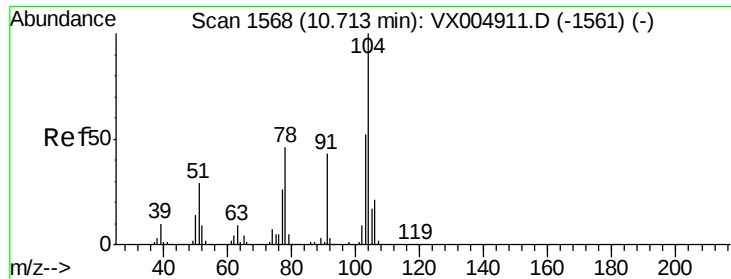
MMDadoda
10/3/2018 4:23:27 PM



#68
o-Xylene
Concen: 22.208 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.1	109.1	327.2





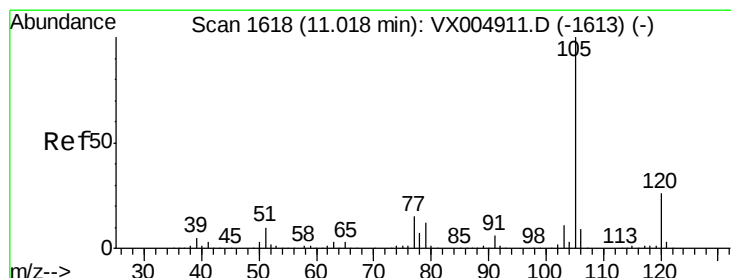
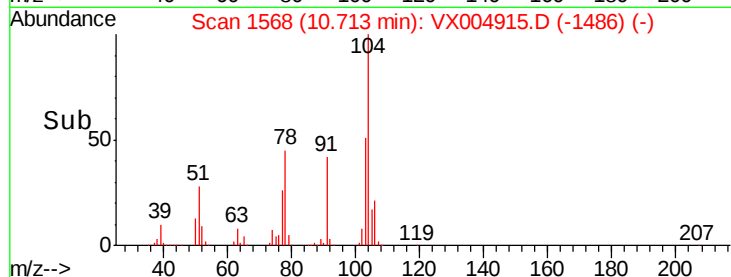
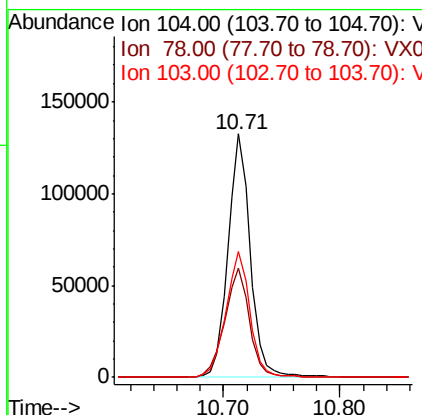
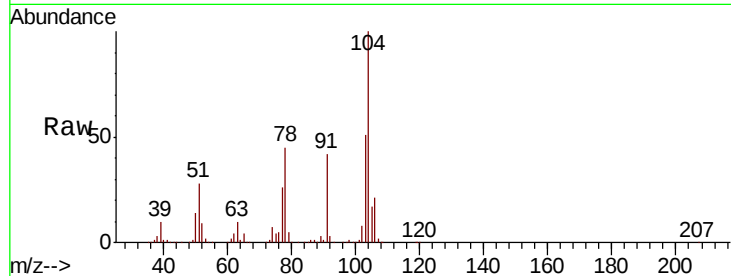
#69
Stvrene
Concen: 21.885 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.5	40.3	60.5
103	55.6	44.6	66.8

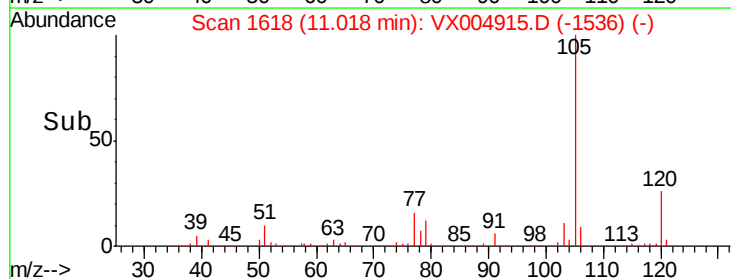
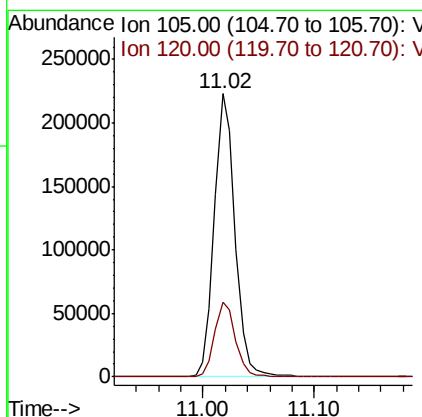
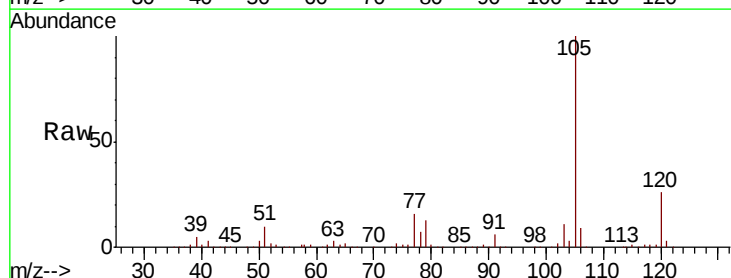
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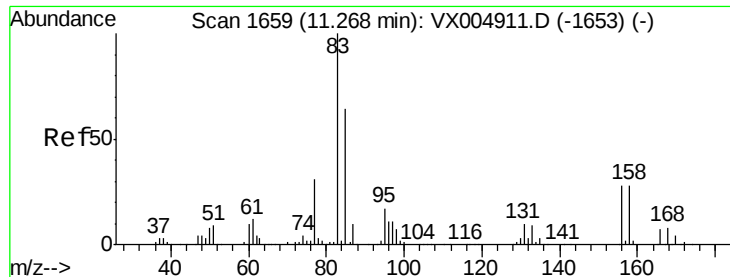
MMDadoda
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#70
Isopropylbenzene
Concen: 22.462 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.3	34.1





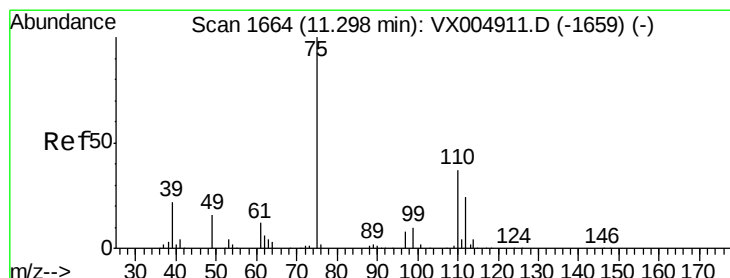
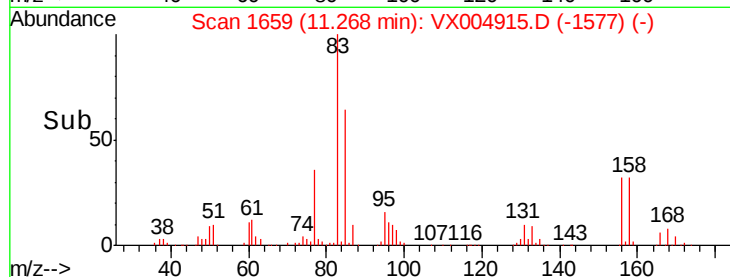
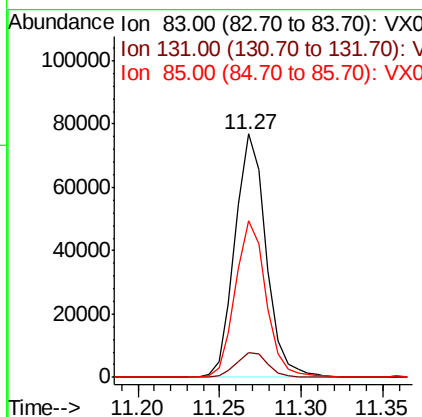
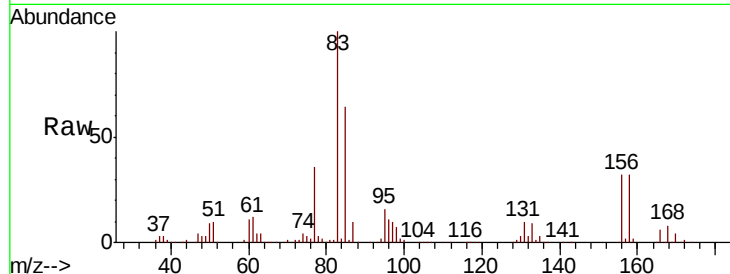
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.462 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.5	5.1	15.2	
85	63.8	32.2	96.6	

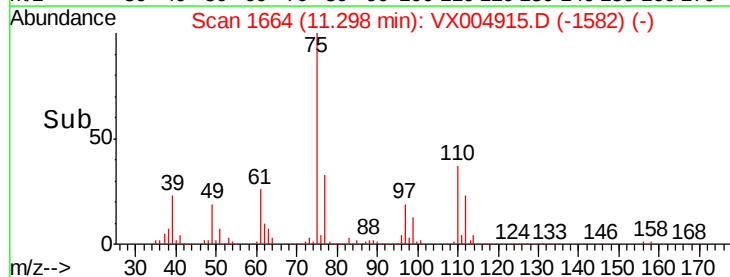
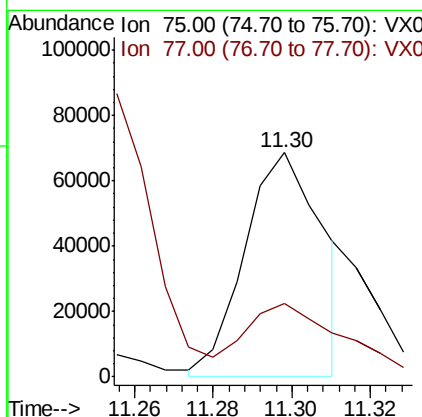
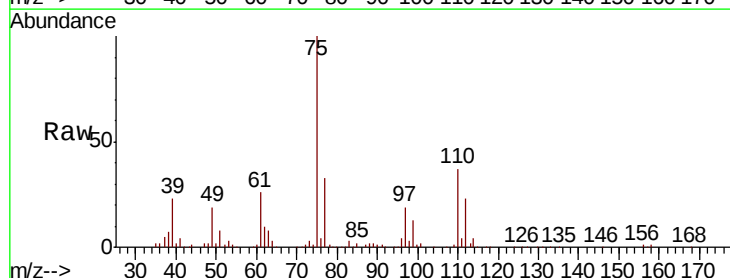
Manual Integrations
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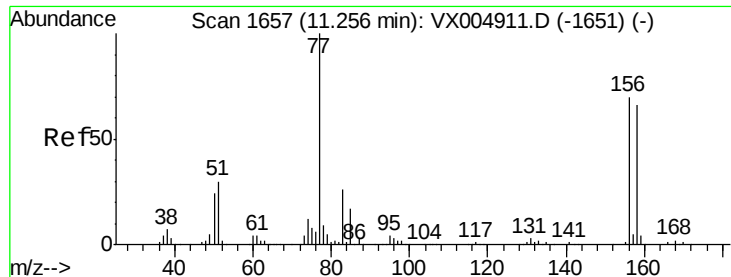
MMDadoda
 10/3/2018 4:23:27 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.803 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	38.6	0.0	81.2	





#73

Bromobenzene

Concen: 21.696 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

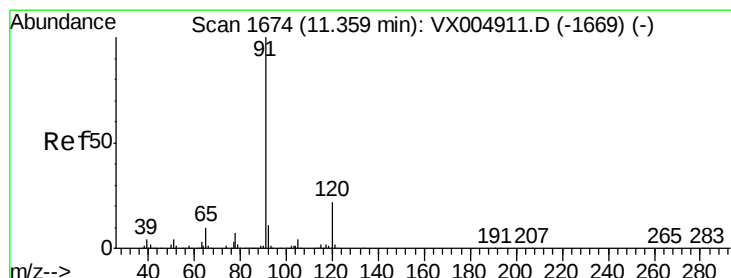
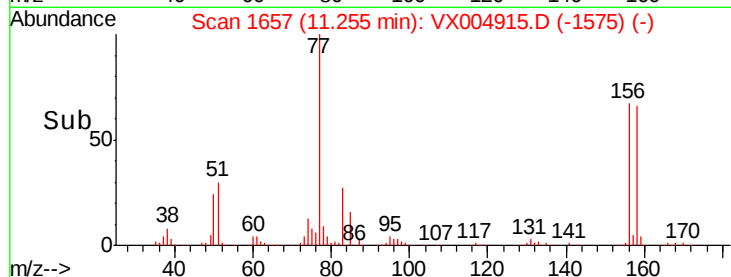
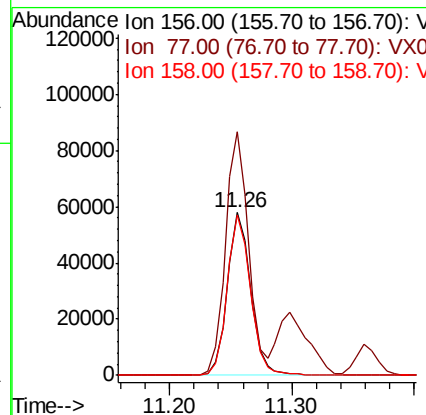
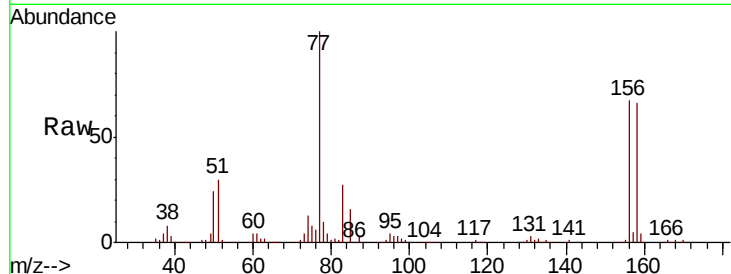
ClientSampleId :

ICVVX100218

Tot Ion:	156	Resp:	76803
Ion	Ratio	Lower	Upper
156	100		
77	147.6	0.0	292.4
158	98.6	0.0	194.2

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#74

n-propylbenzene

Concen: 22.562 ug/l

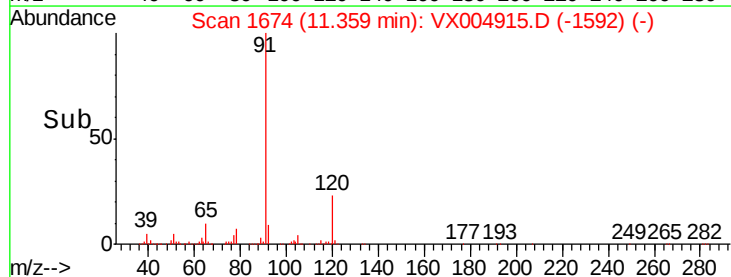
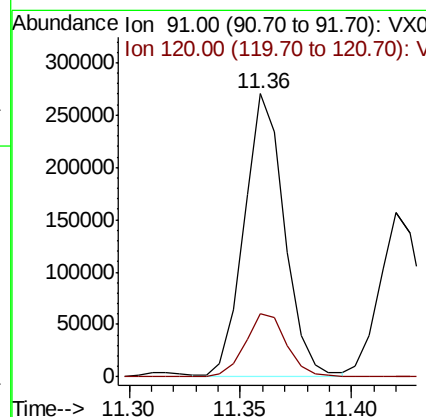
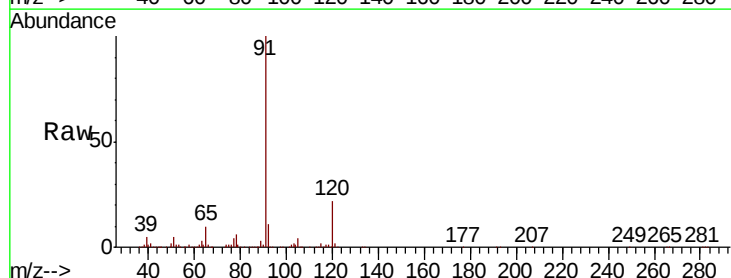
RT: 11.36 min Scan# 1674

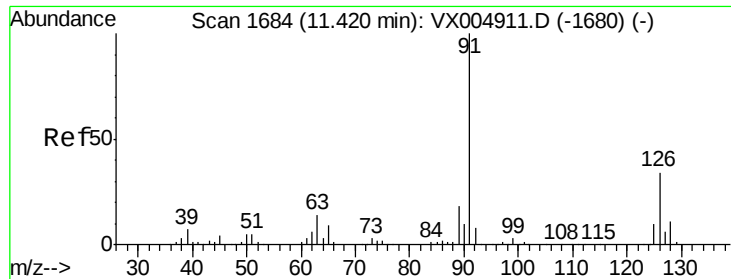
Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Tgt Ion:	91	Resp:	341871
Ion	Ratio	Lower	Upper
91	100		
120	23.1	0.0	45.4





#75

2-Chlorotoluene

Concen: 22.260 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX100218

Tot Ion: 91 Resp: 205708

Ion Ratio Lower Upper

91 100

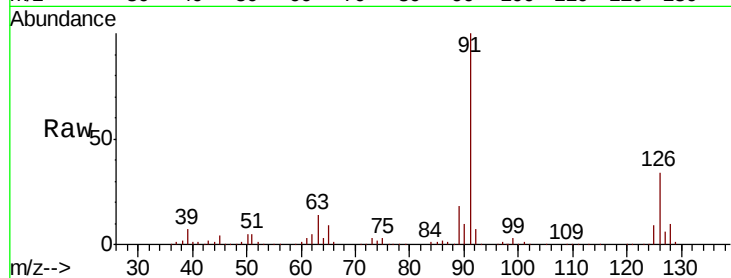
126 34.1 0.0 68.2

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Abundance Ion 91.00 (90.70 to 91.70): VX004911.D (-1680) (-)

Ion 126.00 (125.70 to 126.70): VX004911.D (-1680) (-)

300000

250000

200000

150000

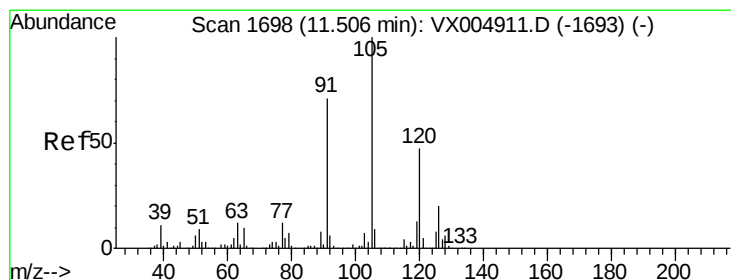
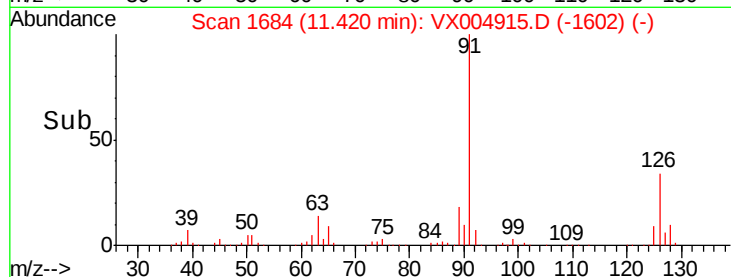
100000

50000

0

11.40 11.45 11.50

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 22.375 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004915.D

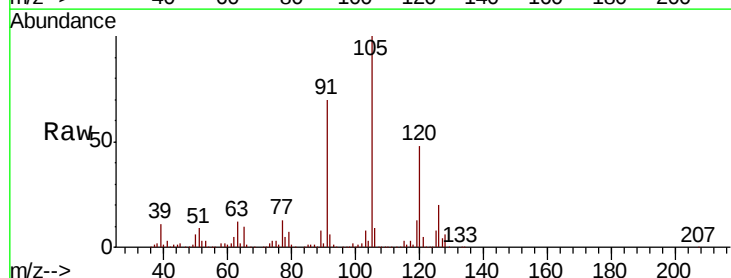
Acq: 02 Oct 2018 12:33

Tgt Ion: 105 Resp: 248624

Ion Ratio Lower Upper

105 100

120 48.1 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX004911.D (-1693) (-)

Ion 120.00 (119.70 to 120.70): VX004911.D (-1693) (-)

200000

150000

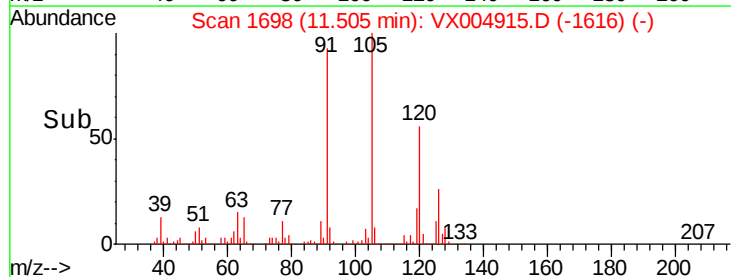
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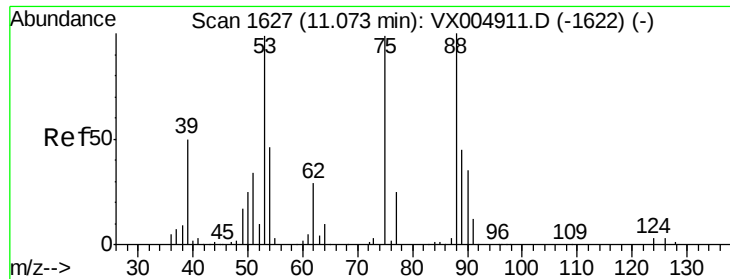
50000

0

11.45 11.50 11.55 11.60

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.632 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

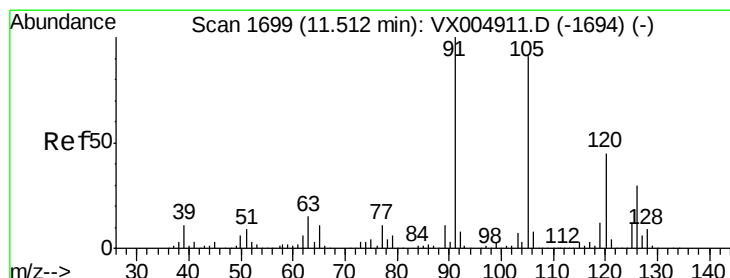
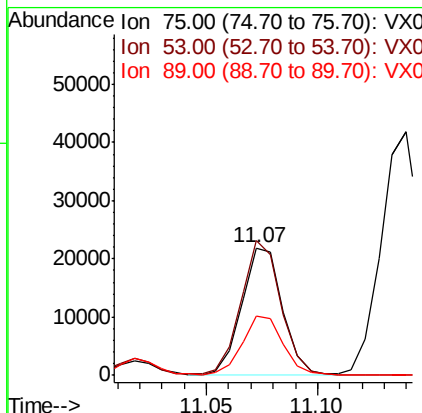
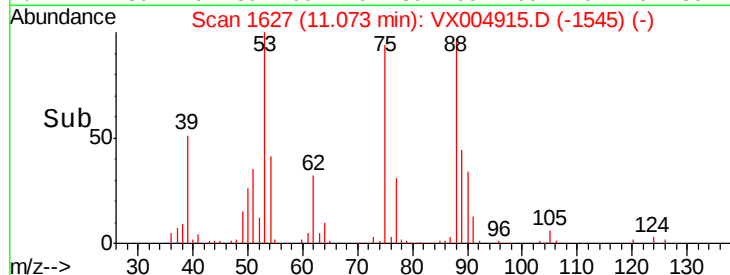
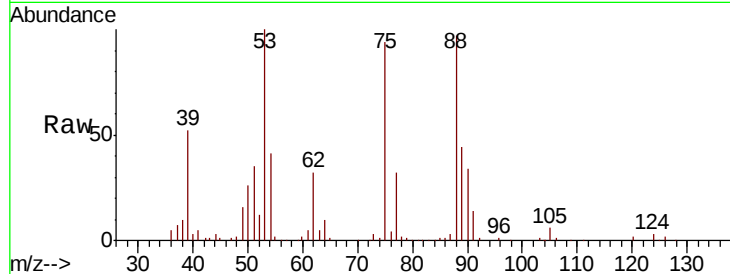
ClientSampled :

ICVVX100218

Tot Ion:	75	Resp:	28127
Ion Ratio	Lower	Upper	
75	100		
53	105.9	50.3	150.9
89	46.2	22.6	67.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 22.007 ug/l

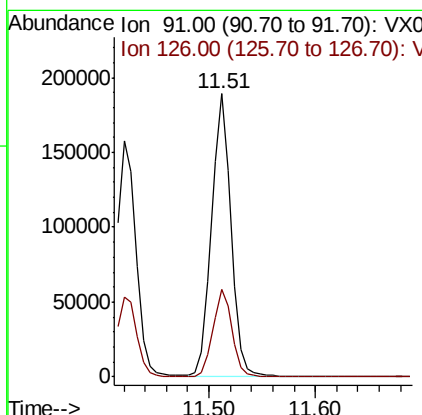
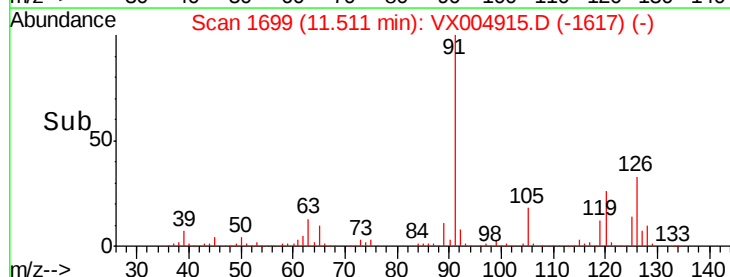
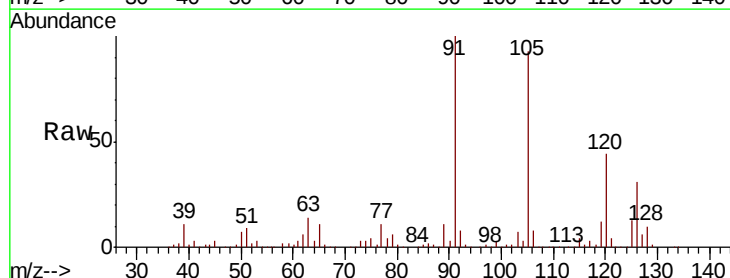
RT: 11.51 min Scan# 1699

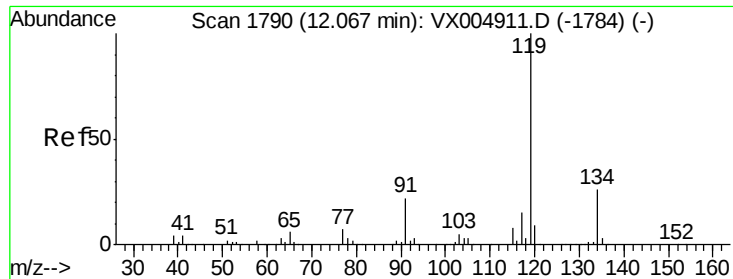
Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Tgt Ion:	91	Resp:	236384
Ion Ratio	Lower	Upper	
91	100		
126	30.5	0.0	61.0





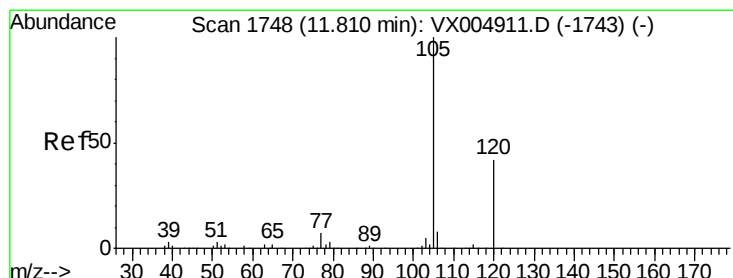
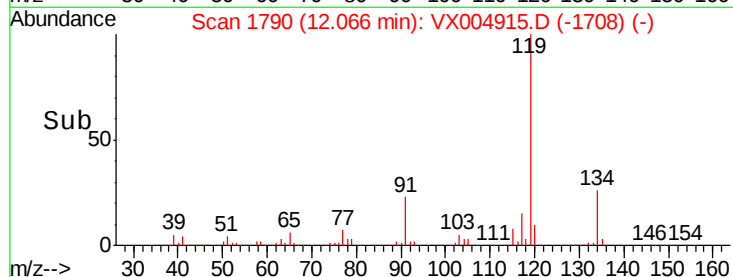
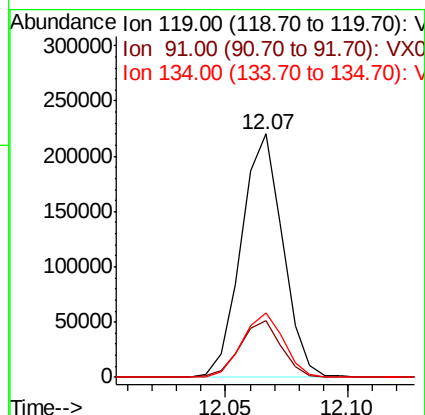
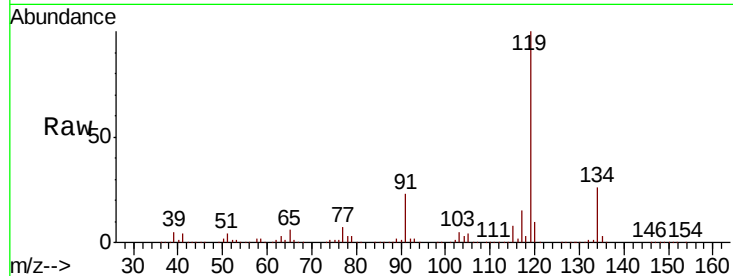
#79
tert-butylbenzene
Concen: 22.016 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

Tot Ion	Ratio	Resp	Lower	Upper
119	100	259624		
91	23.0	0.0	45.8	
134	26.7	0.0	52.8	

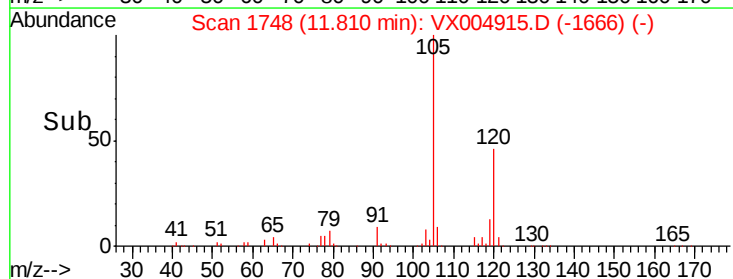
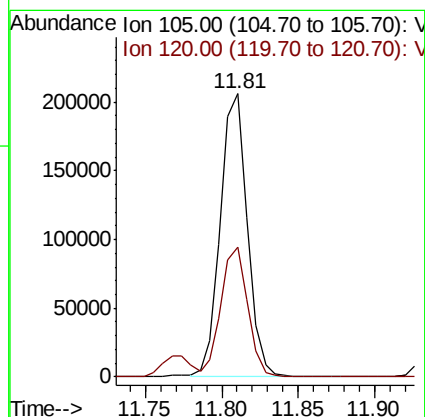
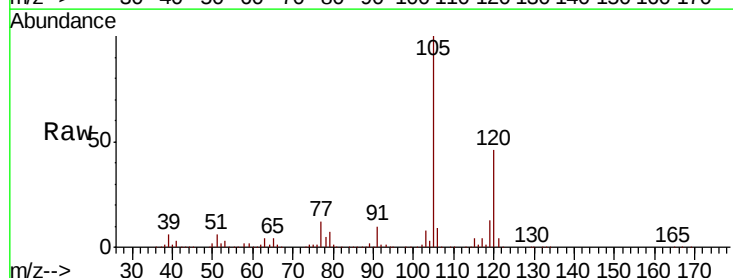
Manual Integrations
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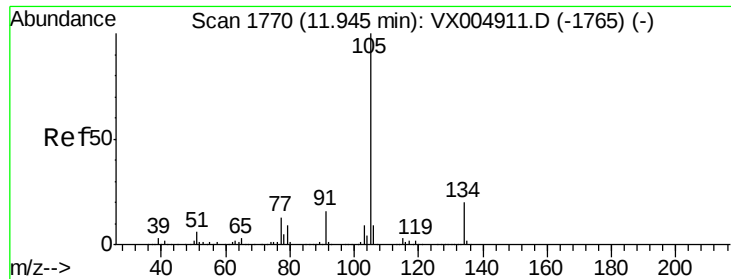
MMDadoda
10/3/2018 4:23:27 PM



#80
1,2,4-Trimethylbenzene
Concen: 22.246 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252084		
120	45.4	0.0	90.6	





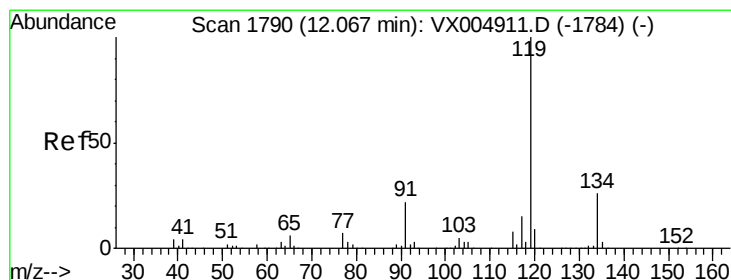
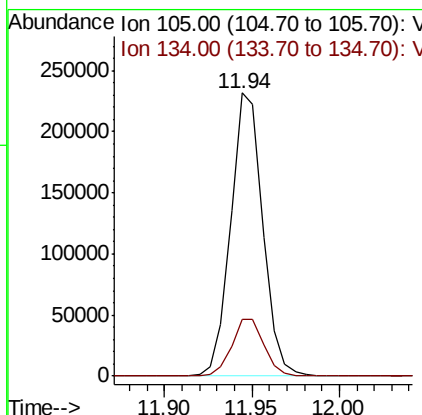
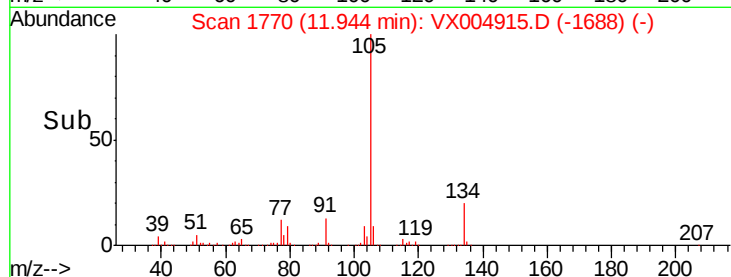
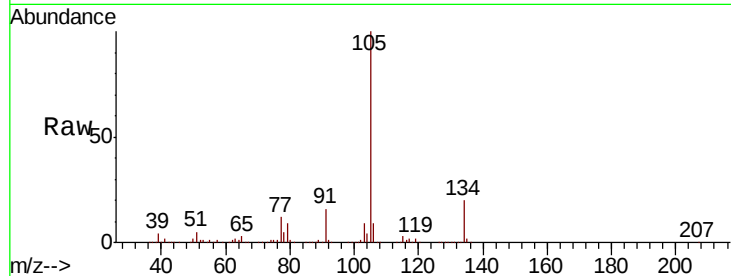
#81
 sec-Butylbenzene
 Concen: 22.502 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleID :
 ICVVX100218

Tot Ion	Ratio	Resp	Lower	Upper
105	100	295137		
134	20.4	0.0	40.4	

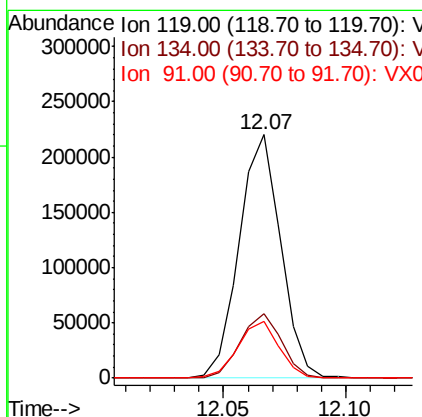
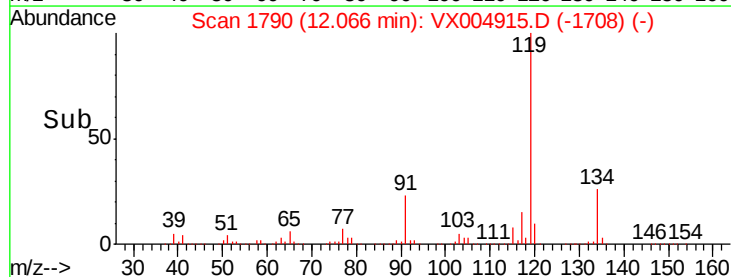
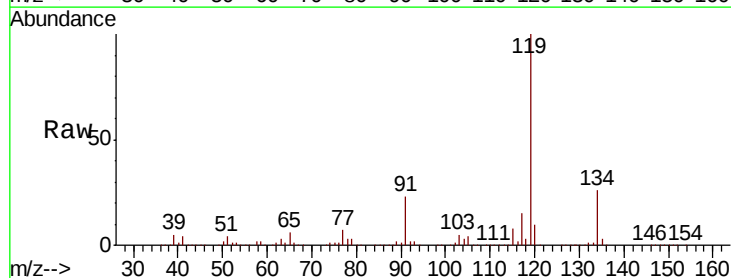
Manual Integrations
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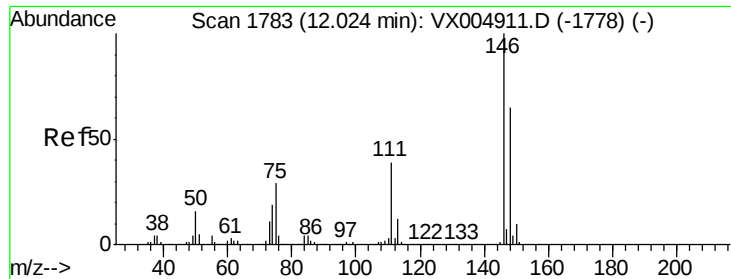
MMDadoda
 10/3/2018 4:23:27 PM



#82
 p-Isopropyltoluene
 Concen: 22.016 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	259624		
134	26.7	0.0	52.8	
91	23.0	0.0	45.8	





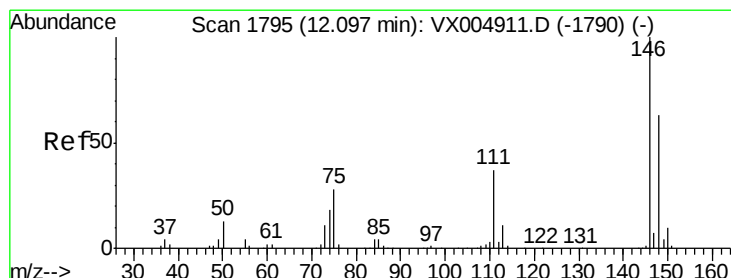
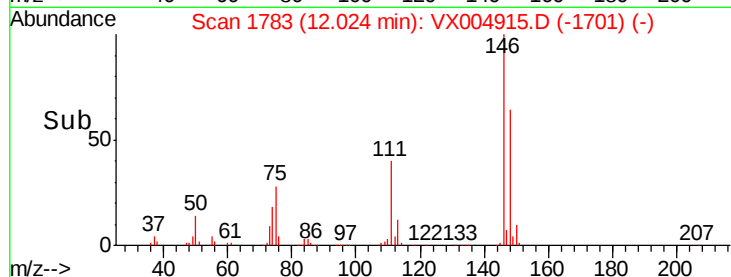
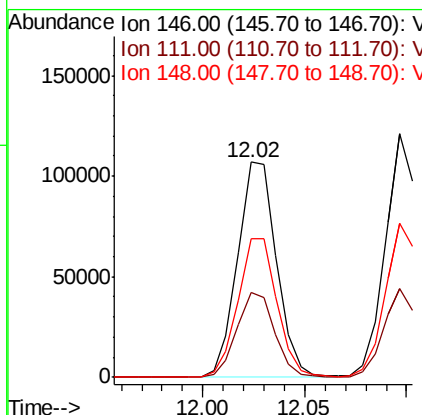
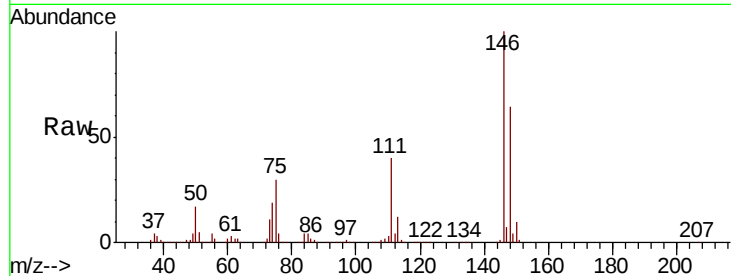
#83
 1,3-Dichlorobenzene
 Concen: 21.704 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	64.6	32.4	97.2

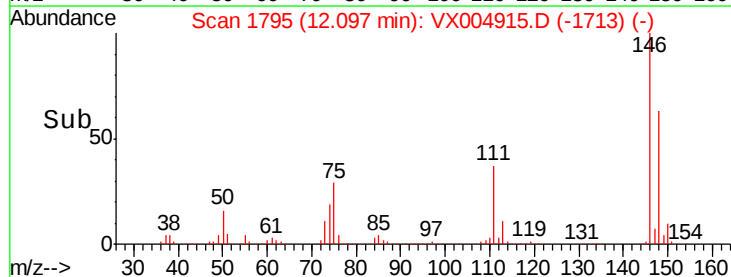
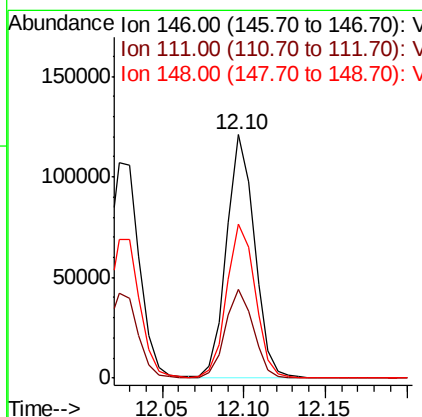
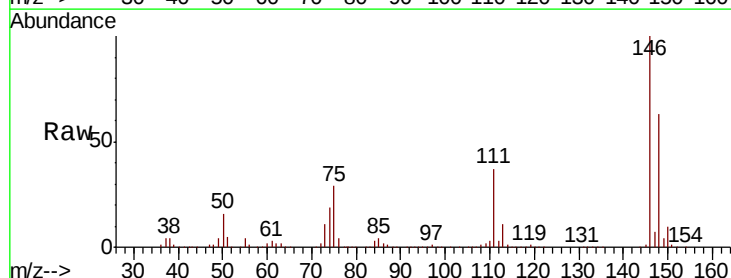
Manual Integrations
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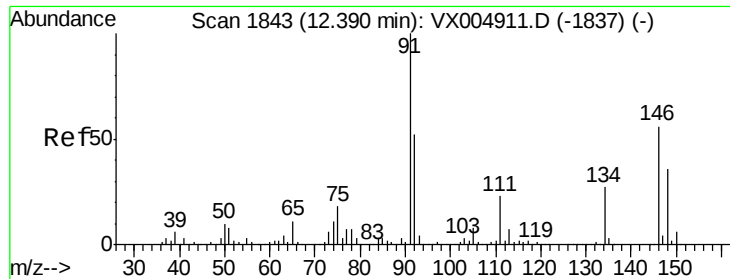
MMDadoda
 10/3/2018 4:23:27 PM



#84
 1,4-Dichlorobenzene
 Concen: 21.808 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.4
148	64.7	31.9	95.7





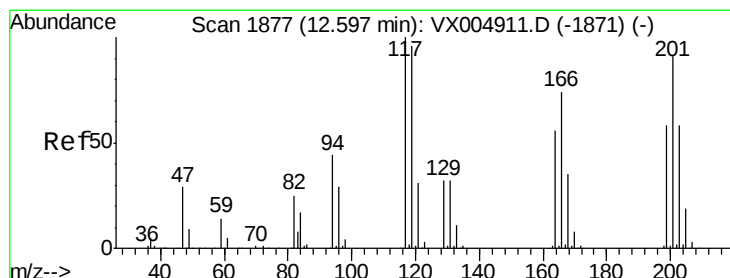
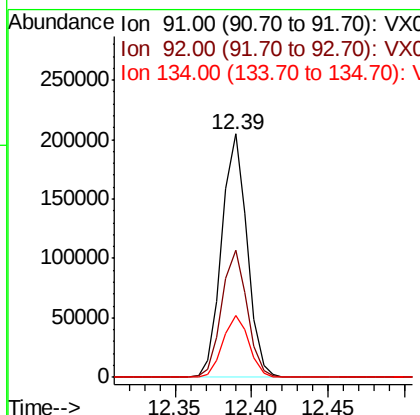
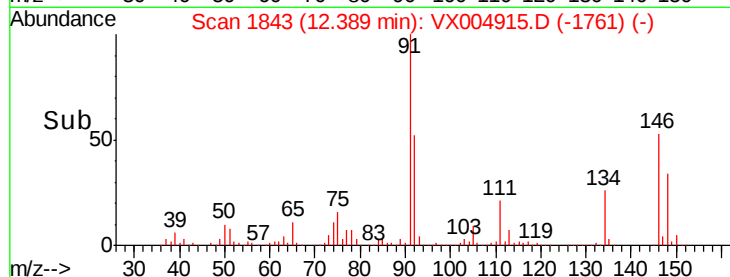
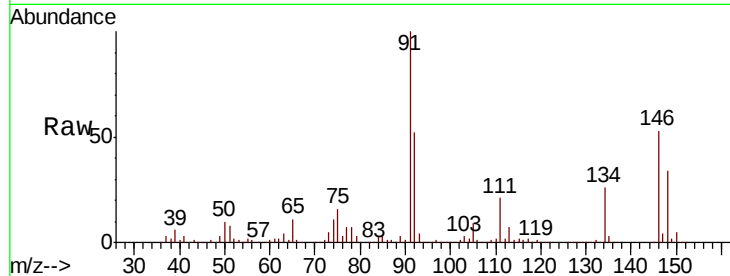
#85
n-Butylbenzene
Concen: 22.008 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX100218

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	0.0	103.6
134	26.2	0.0	52.2

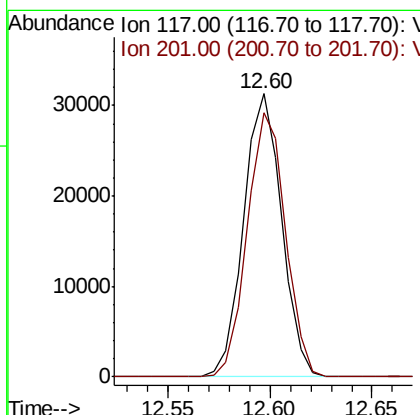
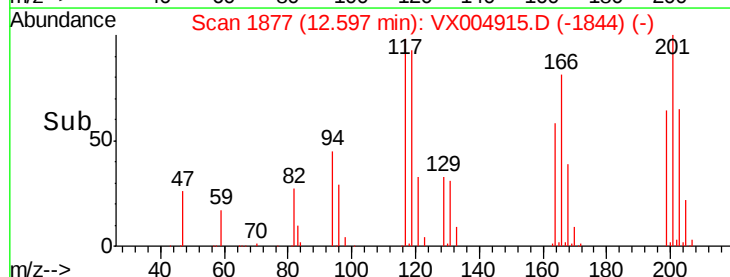
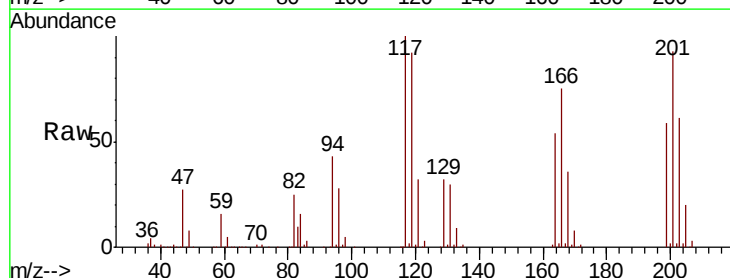
Manual Integrations
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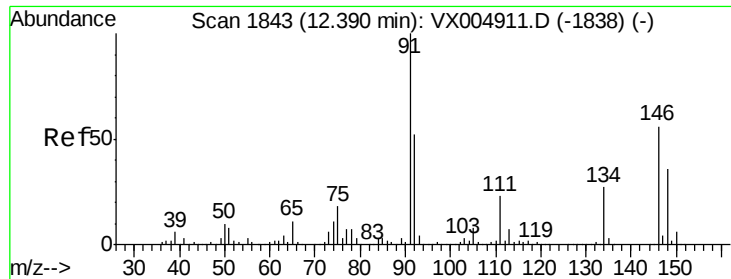
MMDadoda
10/3/2018 4:23:27 PM



#86
Hexachloroethane
Concen: 20.881 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004915.D
Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.9	47.1	141.4





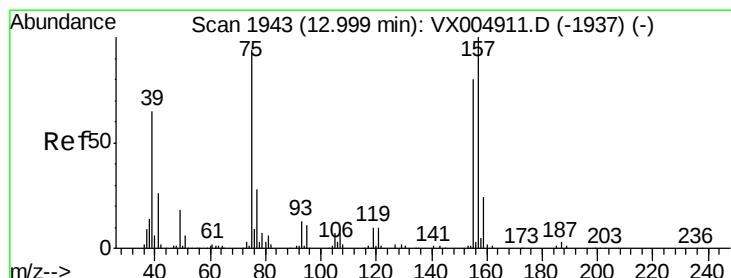
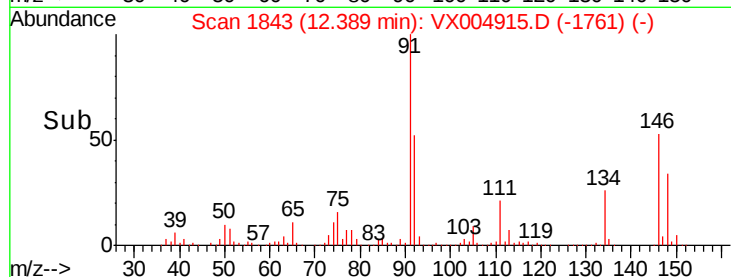
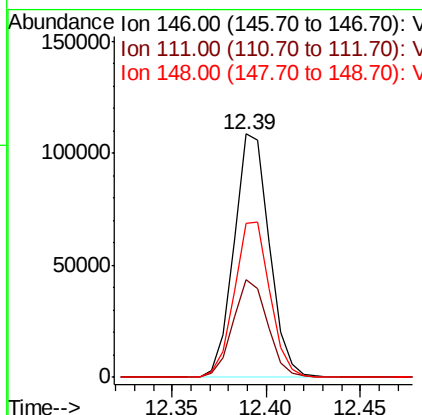
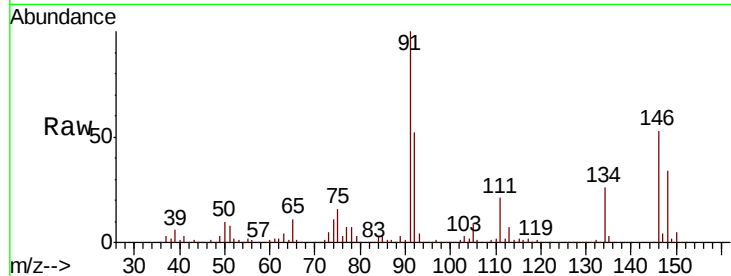
#87
 1,2-Dichlorobenzene
 Concen: 21.202 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.5	31.9	95.9

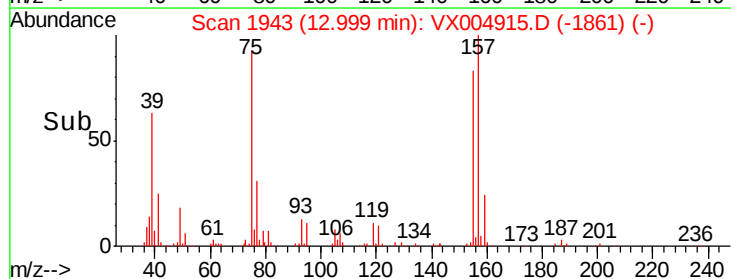
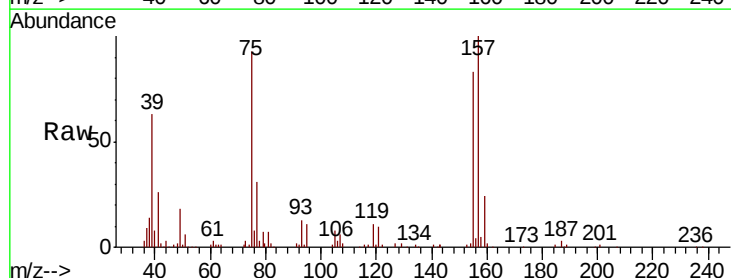
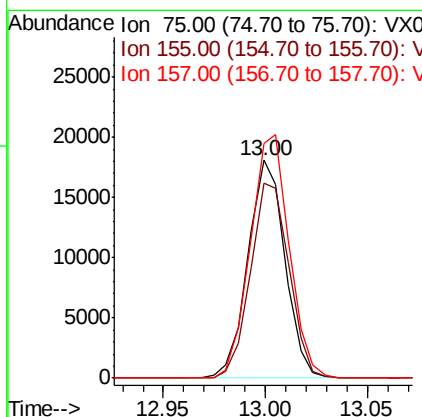
Manual Integrations
 APPROVED

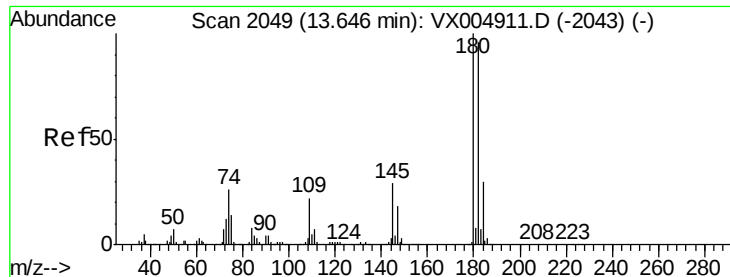
MMDadoda
 10/3/2018 4:23:27 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.664 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	71.6	107.4
157	117.0	91.3	136.9





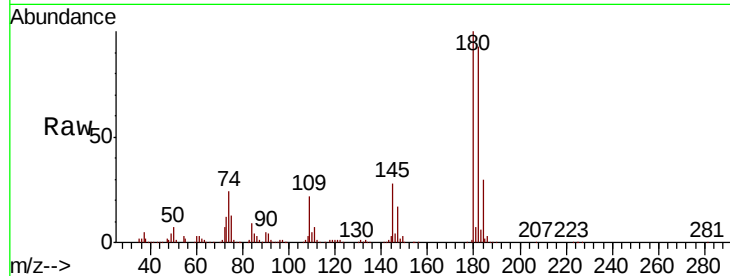
#89
 1,2,4-Trichlorobenzene
 Concen: 21.833 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100218

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108375		
182	94.3	76.8	115.2	
145	27.8	22.6	33.8	

Manual Integrations
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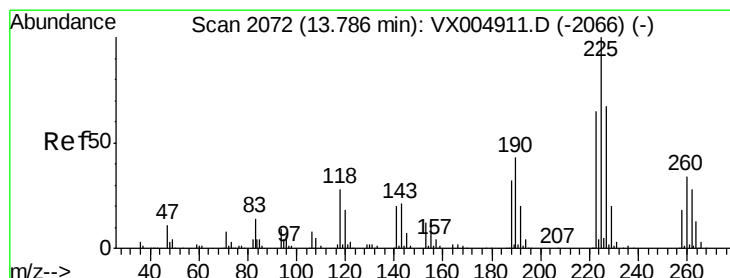
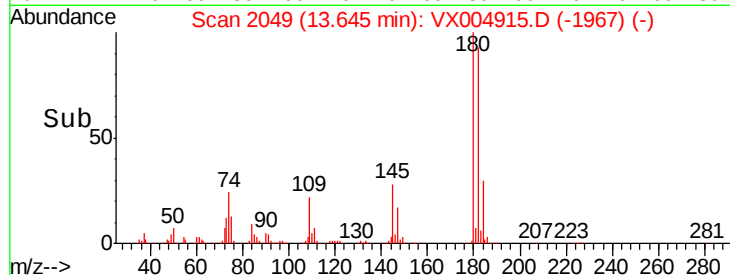
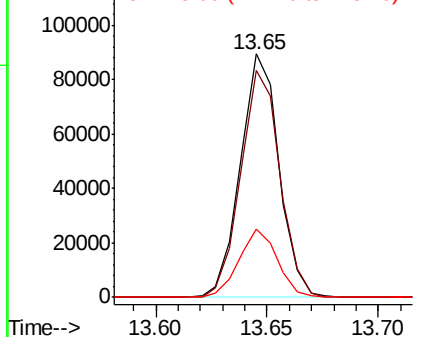


Abundance

Ion 180.00 (179.70 to 180.70): V

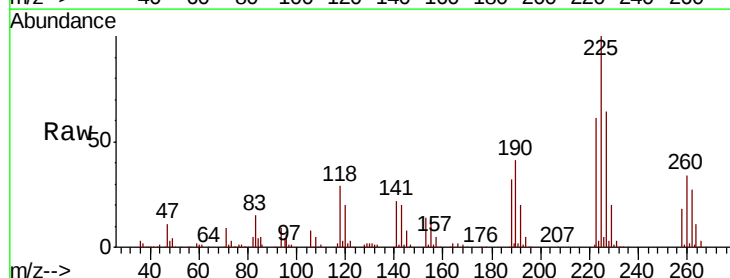
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 23.187 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004915.D
 Acq: 02 Oct 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56822		
223	62.8	0.0	126.6	
227	64.1	0.0	129.6	

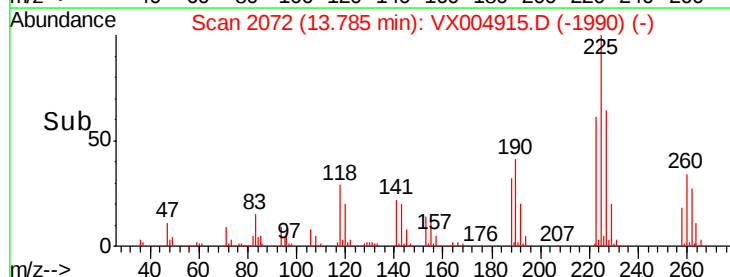
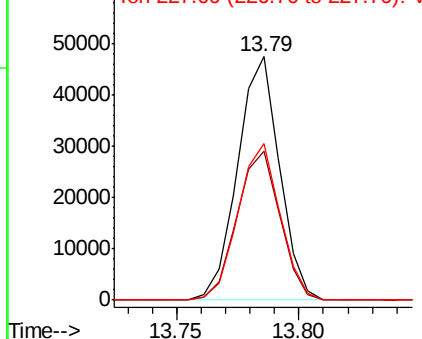


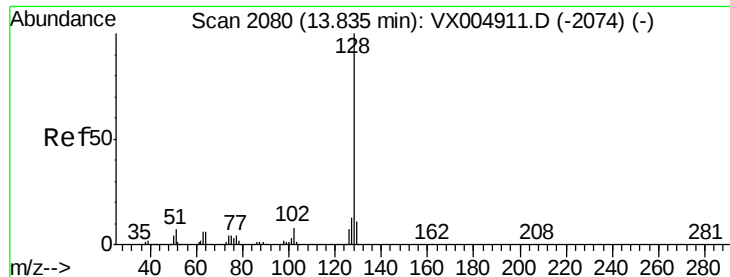
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 21.223 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Instrument :

MSVOA_X

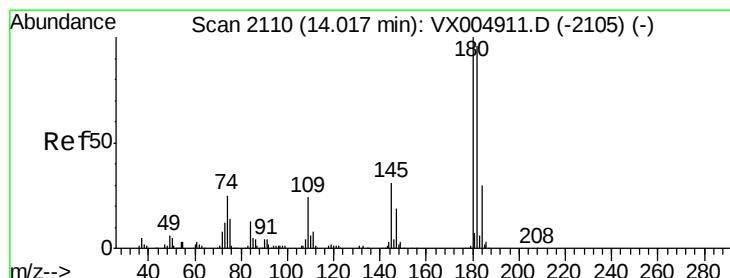
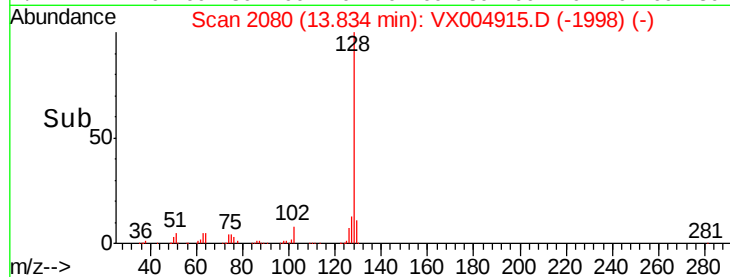
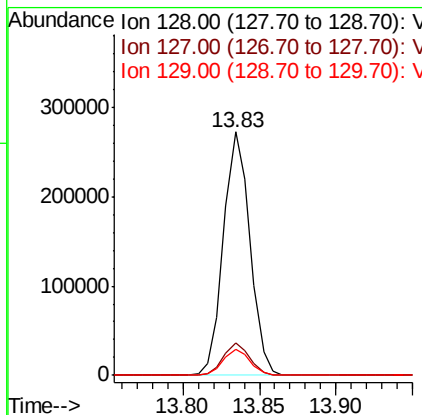
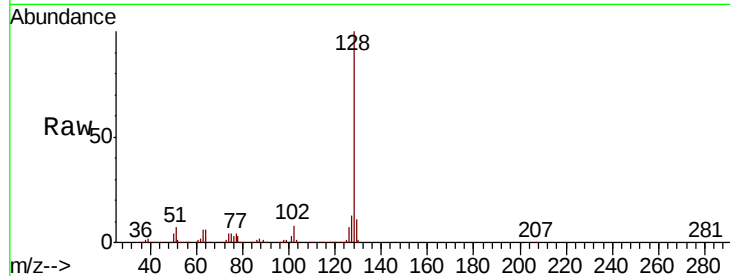
ClientSampleId :

ICVVX100218

Tot Ion:	128	Resp:	327576
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 21.382 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX004915.D

Acq: 02 Oct 2018 12:33

Tgt Ion:	180	Resp:	108834
Ion Ratio	Lower	Upper	
180	100		
182	96.7	0.0	192.2
145	30.1	0.0	60.4

