

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091018\
 Data File : VX004442.D
 Acq On : 10 Sep 2018 12:08
 Operator : JC/MD
 Sample : VX0910WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 3:06:42 PM

Quant Time: Sep 11 01:36:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	277021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	398115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	174269	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	5.50	113	150124	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	8.71	98	550885	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.14	95	192460	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47440	14.79	ug/l	98
3) Chloromethane	1.32	50	59948	17.10	ug/l	96
4) Vinyl Chloride	1.40	62	62665	17.26	ug/l	100
5) Bromomethane	1.64	94	29025	14.80	ug/l	99
6) Chloroethane	1.72	64	44135	16.51	ug/l	99
7) Trichlorofluoromethane	1.93	101	87944	17.68	ug/l	97
8) Diethyl Ether	2.18	74	43380	20.37	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	56473	18.13	ug/l	99
10) Methyl Iodide	2.51	142	46677	16.41	ug/l	97
11) Tert butyl alcohol	3.06	59	78764	102.34	ug/l	100
12) 1,1-Dichloroethene	2.37	96	52323	17.83	ug/l	99
13) Acrolein	2.29	56	21061	113.50	ug/l	98
14) Allyl chloride	2.73	41	109116	20.24	ug/l	96
15) Acrylonitrile	3.14	53	203892	106.97	ug/l	99
16) Acetone	2.44	43	158994	103.13	ug/l	98
17) Carbon Disulfide	2.57	76	126482	16.07	ug/l	99
18) Methyl Acetate	2.78	43	151015	28.18	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	204585	21.15	ug/l	98
20) Methylene Chloride	2.85	84	68706	19.77	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	59232	18.23	ug/l	99
22) Diisopropyl ether	3.86	45	210194	20.88	ug/l	92
23) Vinyl Acetate	3.82	43	817512	100.19	ug/l	100
24) 1,1-Dichloroethane	3.69	63	120927	20.61	ug/l	99
25) 2-Butanone	4.70	43	248271	100.92	ug/l	98
26) 2,2-Dichloropropane	4.58	77	88116	19.15	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	69985	19.00	ug/l	100
28) Bromochloromethane	5.01	49	55719	21.45	ug/l	97
29) Tetrahydrofuran	5.15	42	155741	100.39	ug/l	99
30) Chloroform	5.21	83	116997	19.89	ug/l	99
31) Cyclohexane	5.57	56	83824	16.56	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	91102	18.57	ug/l	99
36) 1,1-Dichloropropene	5.79	75	79872	17.85	ug/l	99
37) Ethyl Acetate	4.85	43	89272	20.28	ug/l	99
38) Carbon Tetrachloride	5.78	117	77267	18.35	ug/l	97

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Manual Integrations
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Quant Time: Sep 11 01:36:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84686	16.57	ug/l	98
40) Benzene	6.14	78	261905	19.58	ug/l	99
41) Methacrylonitrile	5.05	41	53265	20.88	ug/l	98
42) 1,2-Dichloroethane	6.20	62	89130	19.54	ug/l	99
43) Isopropyl Acetate	6.46	43	138200	20.43	ug/l	99
44) Trichloroethene	7.21	130	70868	19.14	ug/l	99
45) 1,2-Dichloropropane	7.51	63	70295	21.00	ug/l	96
46) Dibromomethane	7.66	93	44077	19.78	ug/l	98
47) Bromodichloromethane	7.90	83	84948	20.48	ug/l	100
48) Methyl methacrylate	7.77	41	73309	20.26	ug/l	99
49) 1,4-Dioxane	7.75	88	34293	417.34	ug/l #	94
51) 4-Methyl-2-Pentanone	8.65	43	486088	98.91	ug/l	100
52) Toluene	8.79	92	166426	19.88	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	92929	20.29	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	103645	20.77	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	72042	21.32	ug/l	98
56) Ethyl methacrylate	9.18	69	93999	20.43	ug/l	99
57) 1,3-Dichloropropane	9.37	76	119758	21.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	250048	106.08	ug/l	99
59) 2-Hexanone	9.49	43	369098	98.45	ug/l	99
60) Dibromochloromethane	9.59	129	67603	20.53	ug/l	100
61) 1,2-Dibromoethane	9.67	107	71403	20.42	ug/l	99
64) Tetrachloroethene	9.34	164	80773	21.11	ug/l	98
65) Chlorobenzene	10.14	112	188434	19.38	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	65633	19.57	ug/l	97
67) Ethyl Benzene	10.25	91	293162	18.57	ug/l	95
68) m/p-Xylenes	10.36	106	223041	36.13	ug/l	92
69) o-Xylene	10.70	106	107472	18.40	ug/l	99
70) Styrene	10.71	104	180823	19.12	ug/l	99
71) Bromoform	10.86	173	48898	18.09	ug/l	100
73) Isopropylbenzene	11.02	105	296185	18.89	ug/l	99
74) N-amyl acetate	10.90	43	110320	18.28	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	96357	17.56	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	91036m	18.75	ug/l	
77) Bromobenzene	11.26	156	78243	17.79	ug/l	95
78) n-propylbenzene	11.36	91	332379	18.43	ug/l	98
79) 2-Chlorotoluene	11.42	91	197585	17.80	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	244329	18.82	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	26191	17.51	ug/l	96
82) 4-Chlorotoluene	11.51	91	245572	18.81	ug/l	96
83) tert-Butylbenzene	11.77	119	230623	17.66	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	260166	19.52	ug/l	99
85) sec-Butylbenzene	11.94	105	307459	19.83	ug/l	99
86) p-Isopropyltoluene	12.07	119	269433	19.39	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	159105	19.22	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	165032	18.90	ug/l	99
89) n-Butylbenzene	12.39	91	226387	20.03	ug/l	99
90) Hexachloroethane	12.60	117	37628	19.37	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	157823	20.86	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19521	20.20	ug/l	97

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Manual Integrations
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Quant Time: Sep 11 01:36:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	104180	18.92	ug/l	98
94) Hexachlorobutadiene	13.79	225	47869	18.60	ug/l	96
95) Naphthalene	13.83	128	299163	19.21	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	112508	19.30	ug/l	99

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

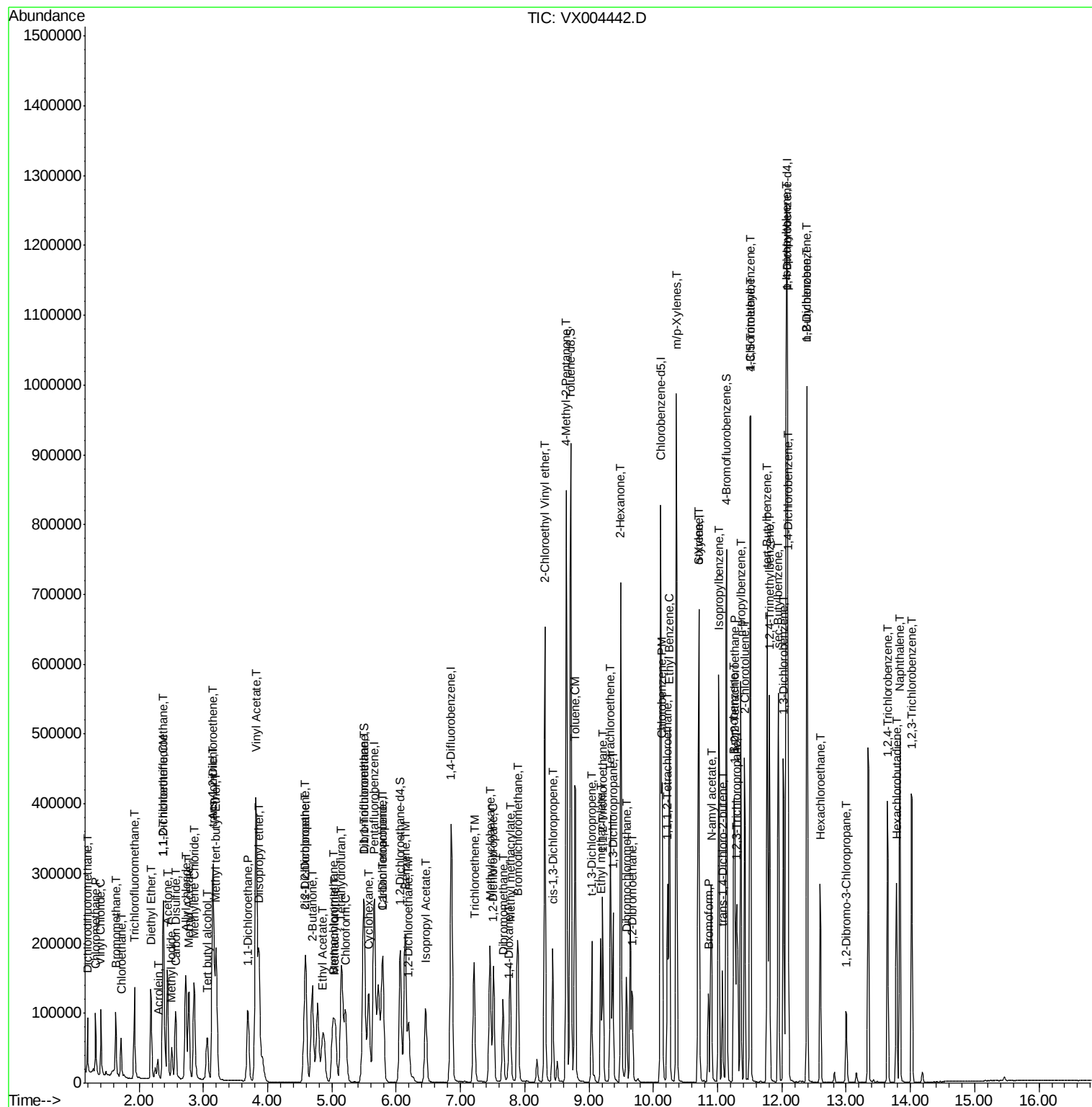
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091018\
 Data File : VX004442.D
 Acq On : 10 Sep 2018 12:08
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 Sample : VX0910WBS01
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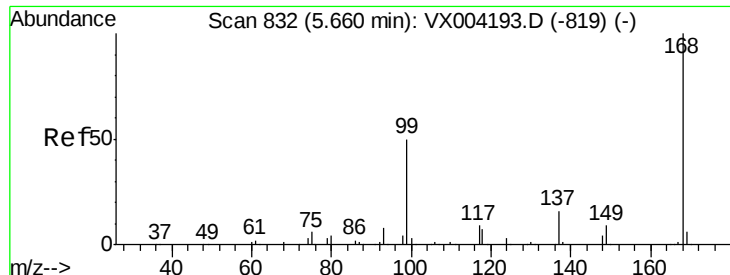
Instrument :
 MSVOA_X
 Client Sampled :
 VX0910WBS01

Manual Integrations
 APPROVED

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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampled :

VX0910WBS01

Tot Ion:168 Resp: 277021

Ion Ratio Lower Upper

168 100

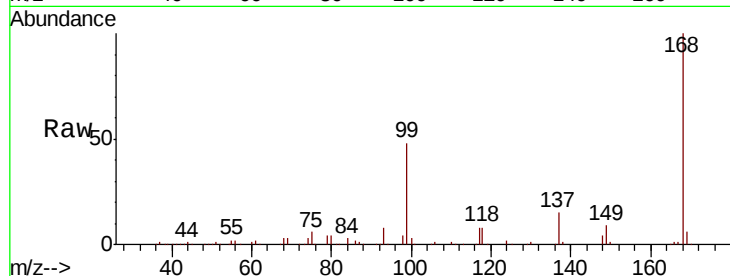
99 48.4 39.9 59.9

Manual Integrations

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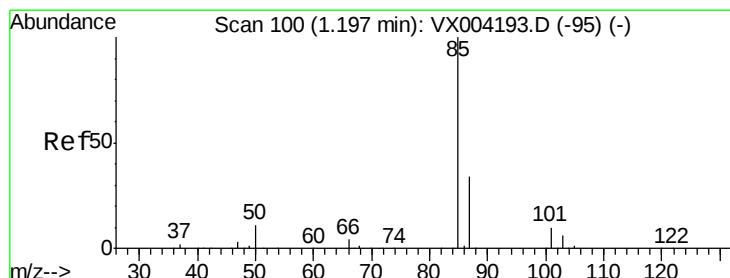
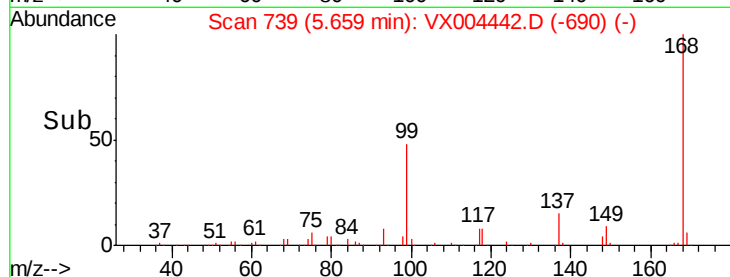
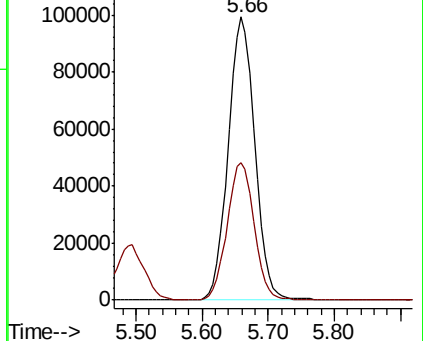
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 14.79 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004442.D

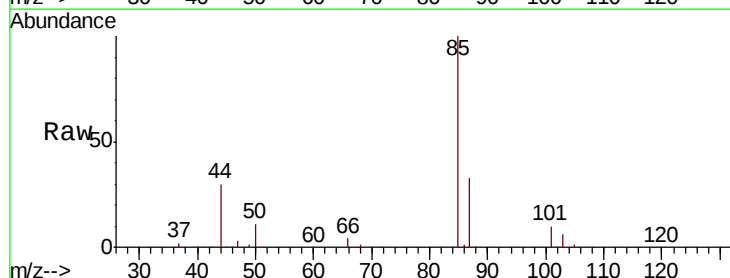
Acq: 10 Sep 2018 12:08

Tgt Ion: 85 Resp: 47440

Ion Ratio Lower Upper

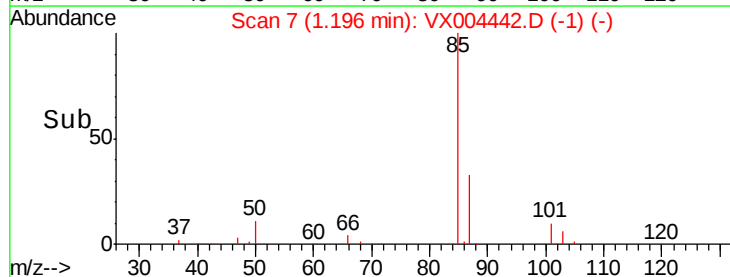
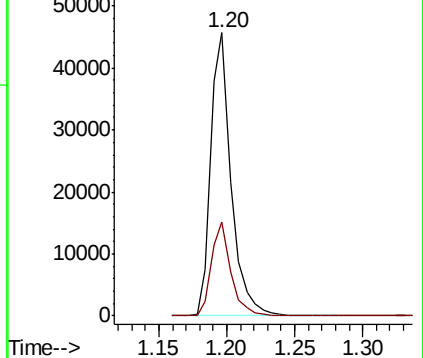
85 100

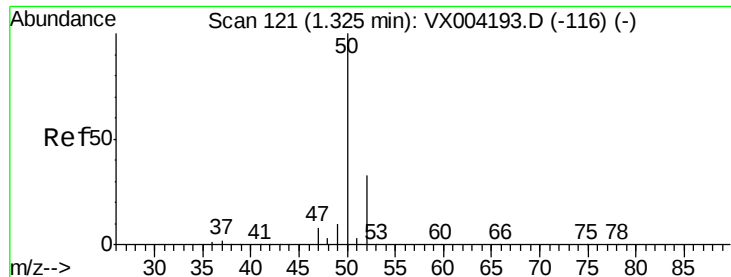
87 33.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.10 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampled :

VX0910WBS01

Tot Ion: 50 Resp: 59948

Ion Ratio Lower Upper

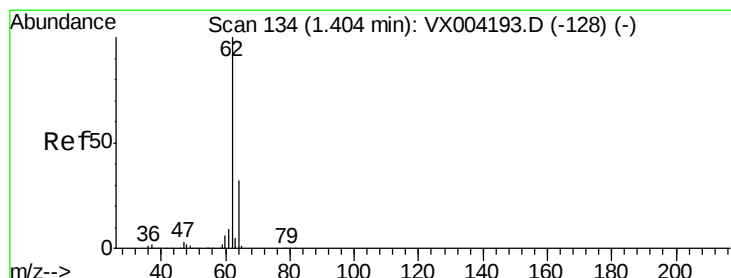
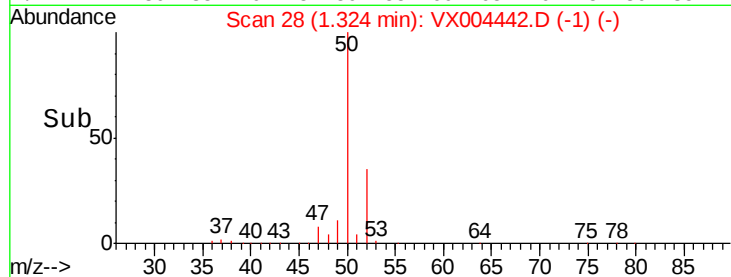
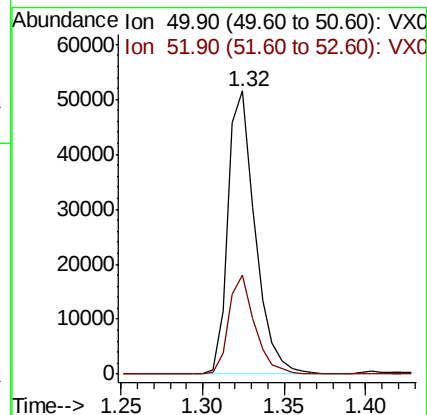
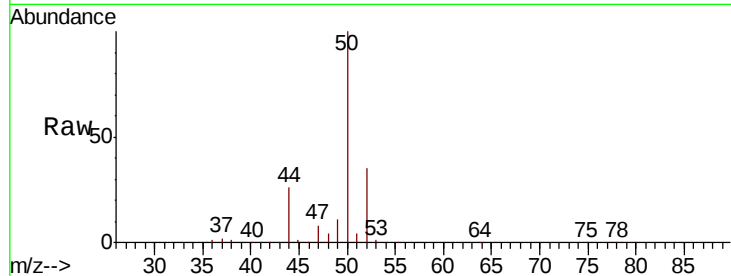
50 100

52 35.2 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.26 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004442.D

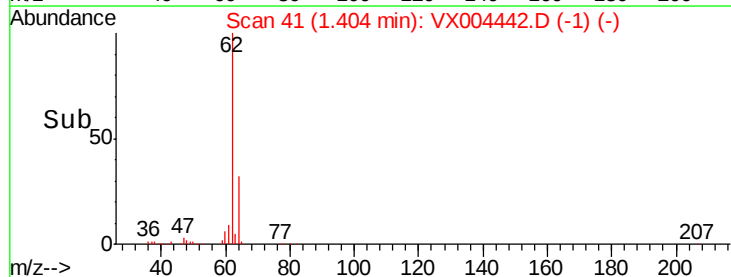
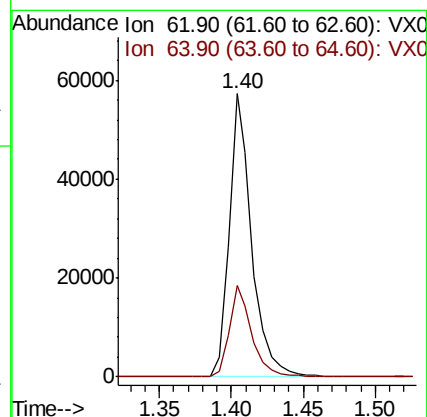
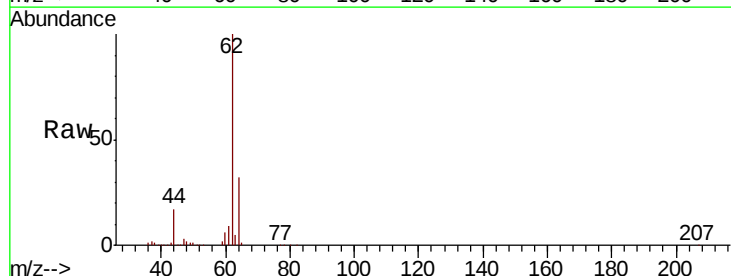
Acq: 10 Sep 2018 12:08

Tgt Ion: 62 Resp: 62665

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 14.80 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBS01

Tot Ion: 94 Resp: 29025

Ion Ratio Lower Upper

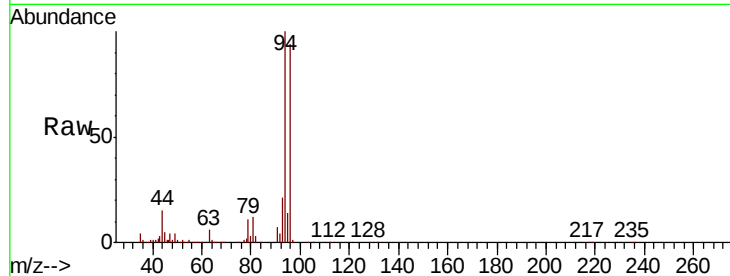
94 100

96 93.8 74.5 111.7

Manual Integrations
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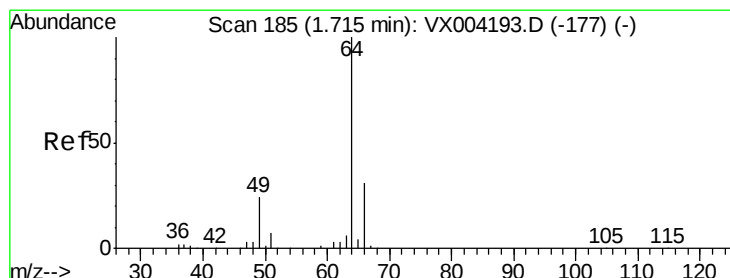
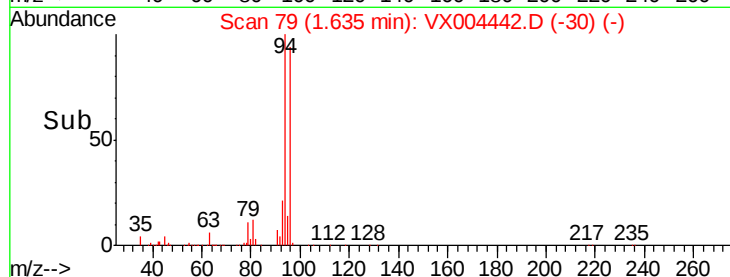
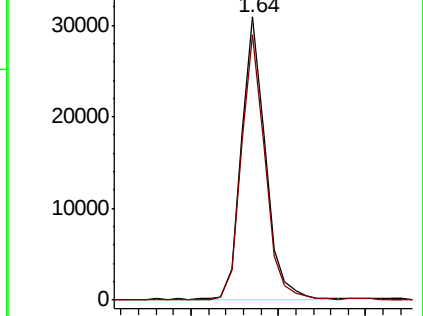
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 16.51 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004442.D

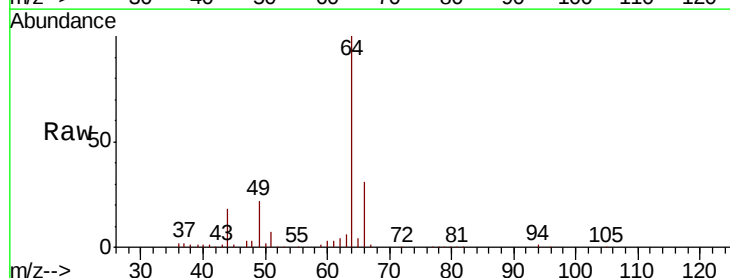
Acq: 10 Sep 2018 12:08

Tgt Ion: 64 Resp: 44135

Ion Ratio Lower Upper

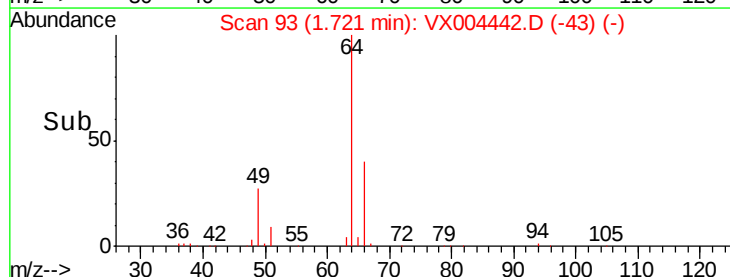
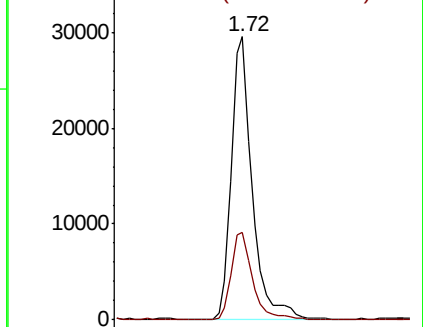
64 100

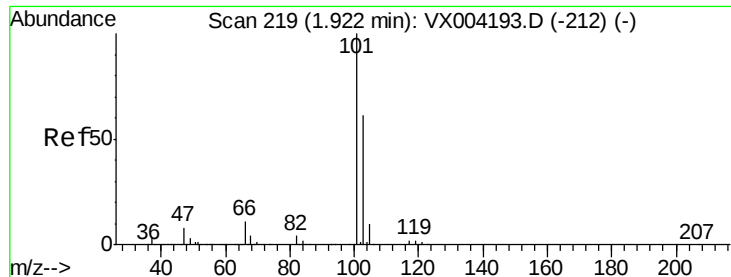
66 31.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 17.68 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBS01

Tot Ion:101 Resp: 87944

Ion Ratio Lower Upper

101 100

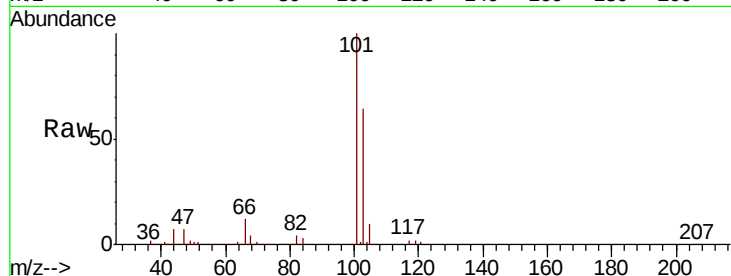
103 63.7 48.9 73.3

Manual Integrations

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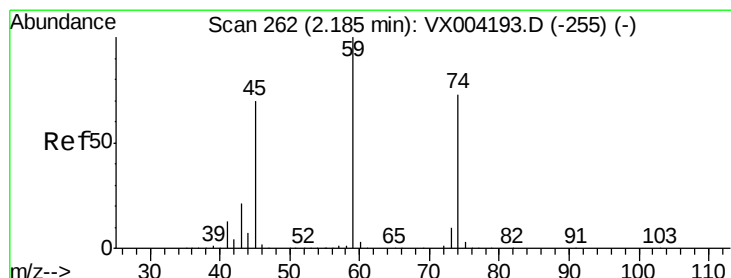
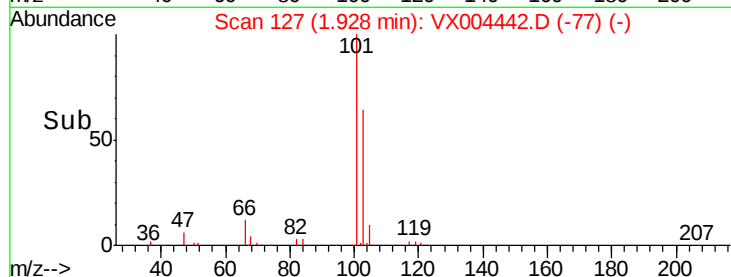
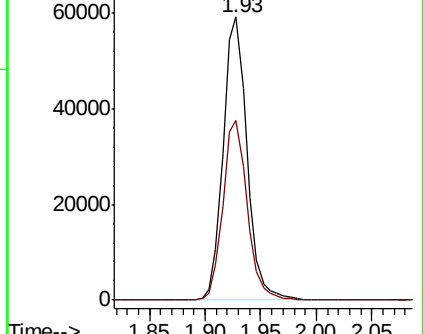
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.37 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.00 min

Lab File: VX004442.D

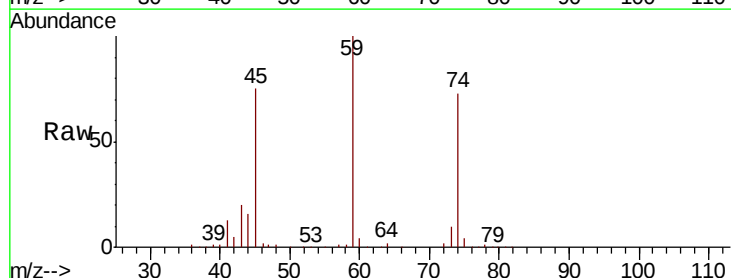
Acq: 10 Sep 2018 12:08

Tgt Ion: 74 Resp: 43380

Ion Ratio Lower Upper

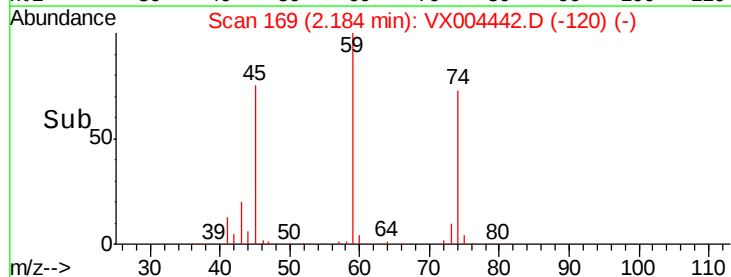
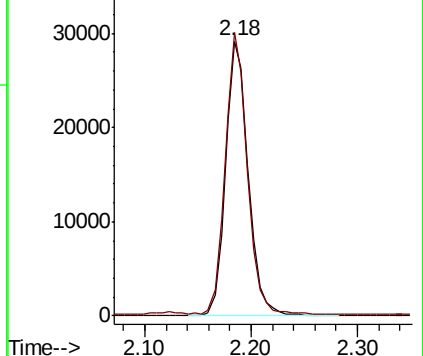
74 100

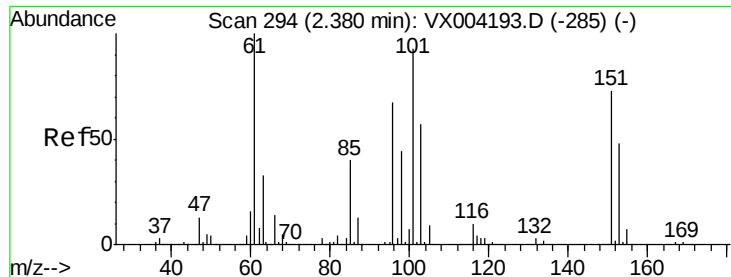
45 99.7 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.13 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

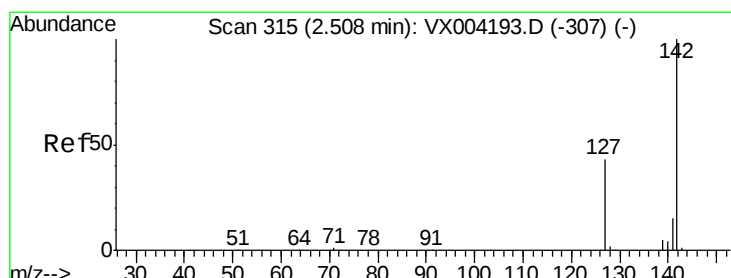
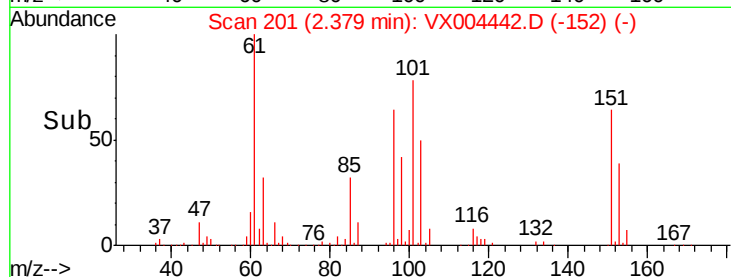
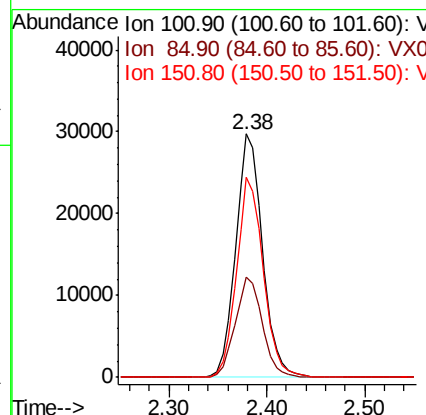
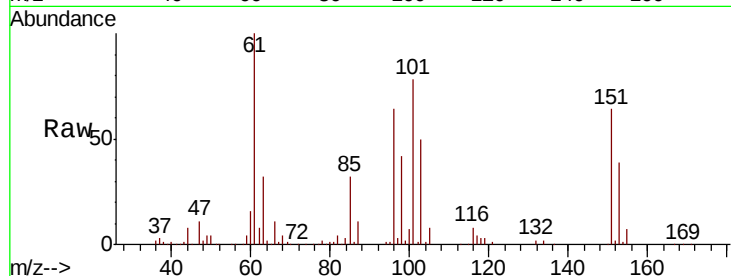
ClientSampleId :

VX0910WBS01

Tot Ion:	101	Resp:	56473
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.4
151	81.7	65.0	97.6

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#10

Methyl Iodide

Concen: 16.41 ug/l

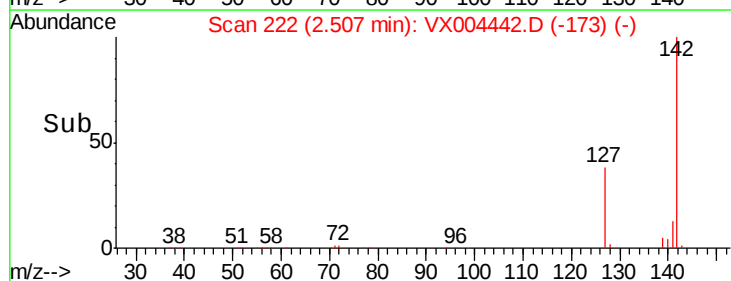
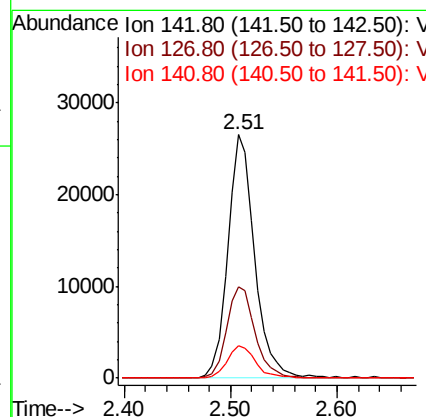
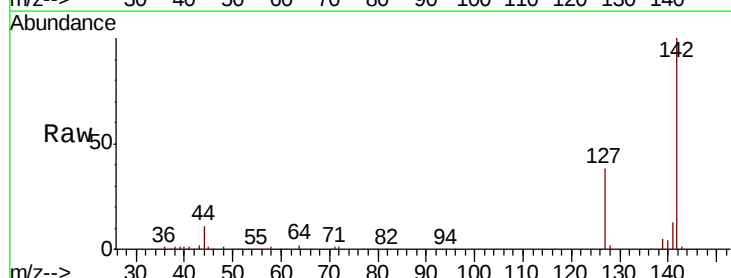
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Tgt Ion:	142	Resp:	46677
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.8	50.6
141	14.1	11.4	17.0





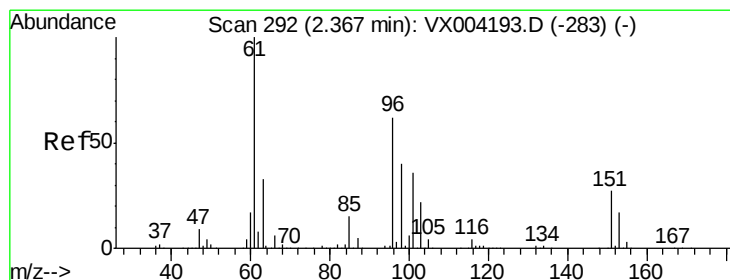
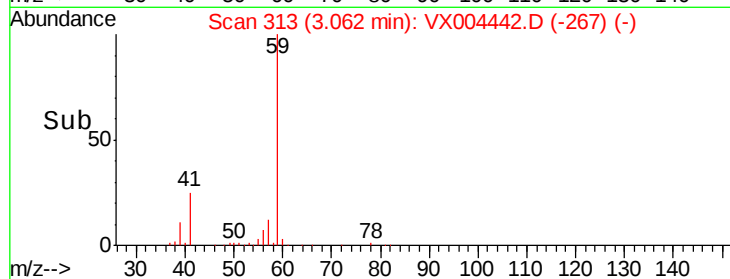
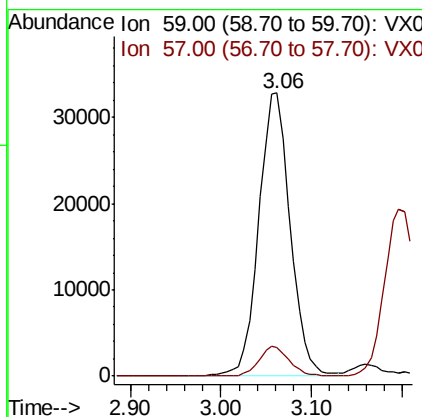
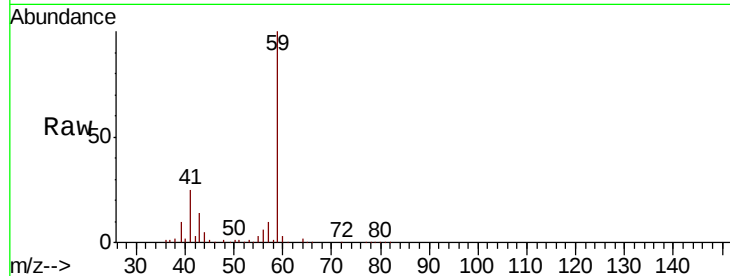
#11
Tert butyl alcohol
Concen: 102.34 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampled :
VX0910WBS01

Tot Ion: 59 Resp: 78764
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

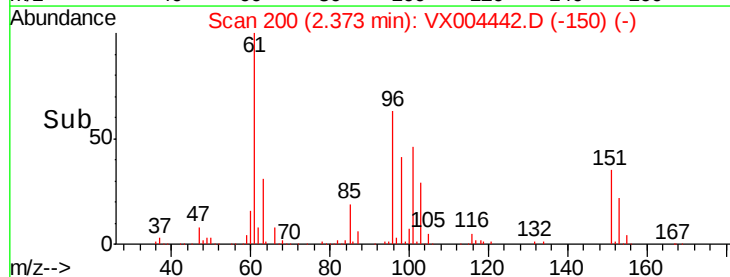
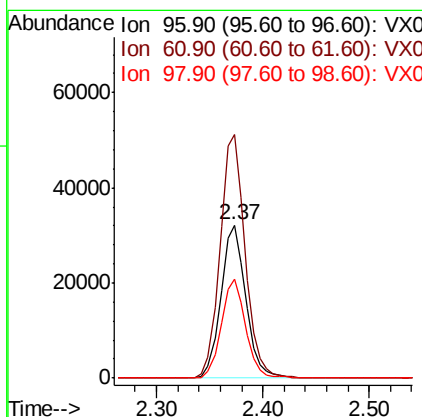
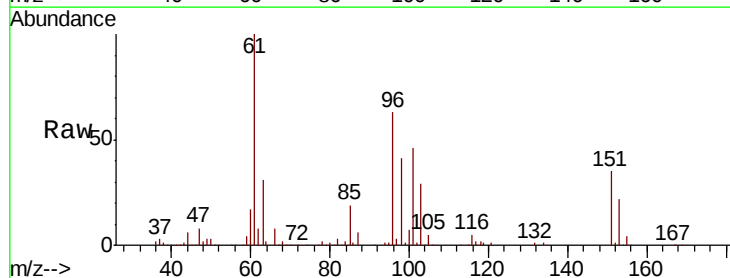
Manual Integrations
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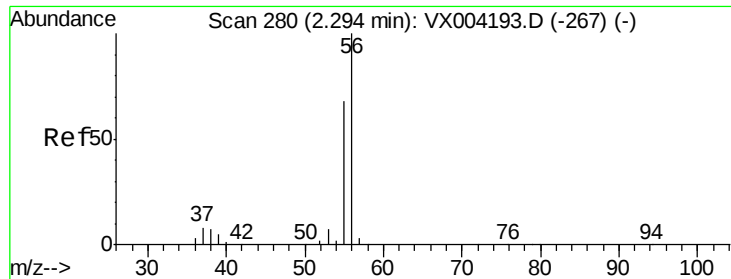
MMDadoda
9/11/2018 3:06:42 PM



#12
1,1-Dichloroethene
Concen: 17.83 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion: 96 Resp: 52323
Ion Ratio Lower Upper
96 100
61 159.0 128.8 193.2
98 64.6 52.2 78.2





#13

Acrolein

Concen: 113.50 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBS01

Tot Ion: 56 Resp: 21061

Ion Ratio Lower Upper

56 100

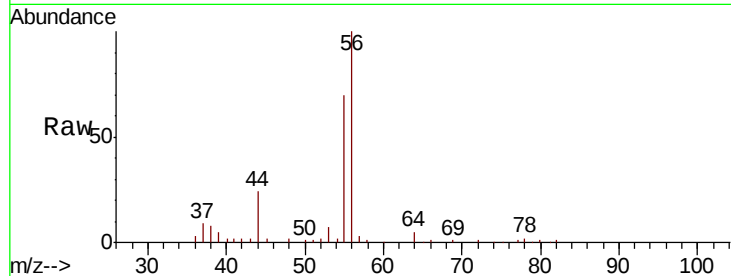
55 69.9 54.7 82.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

15000

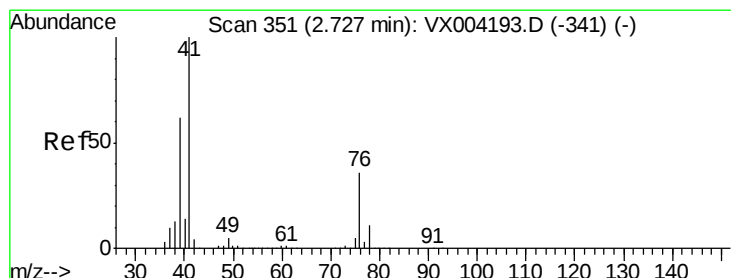
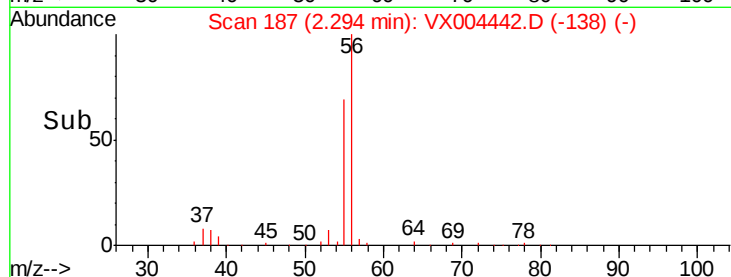
2.29

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 20.24 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

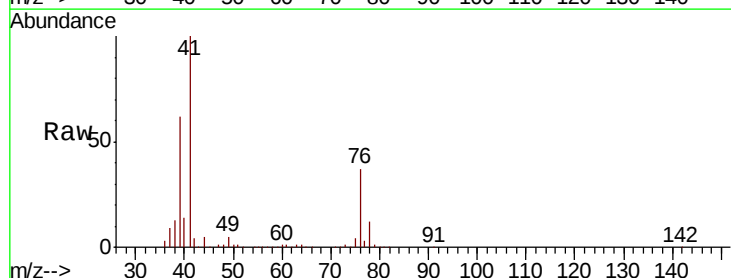
Tgt Ion: 41 Resp: 109116

Ion Ratio Lower Upper

41 100

39 58.0 48.9 73.3

76 31.8 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

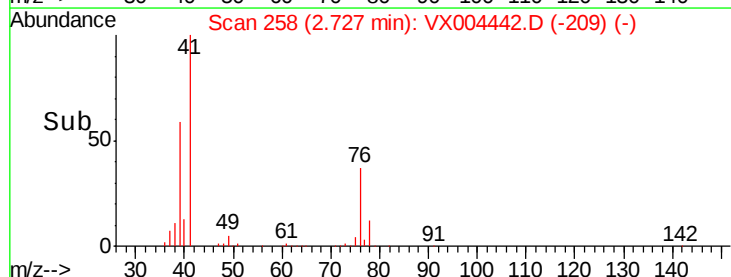
60000

40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 106.97 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

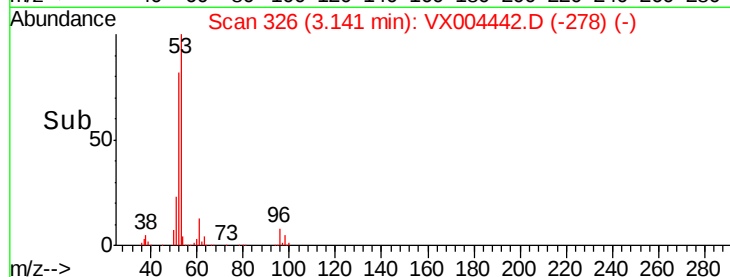
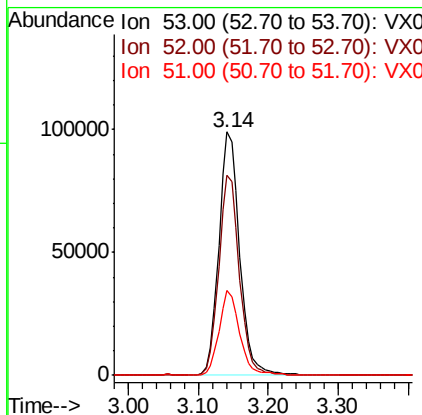
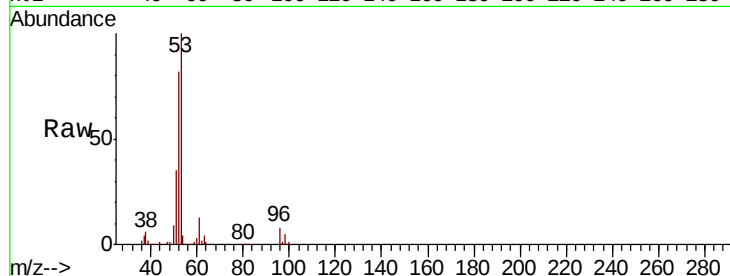
ClientSampled :

VX0910WBS01

Tot Ion:	53	Resp:	203892
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.2	97.8
51	34.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 103.13 ug/l

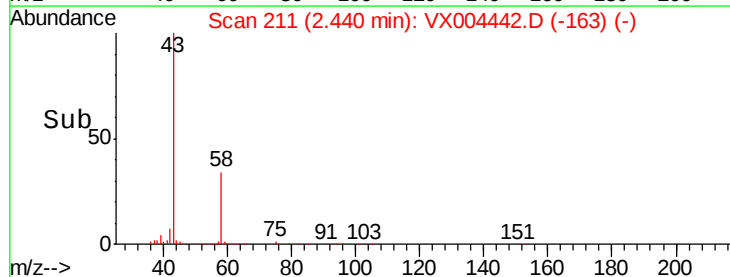
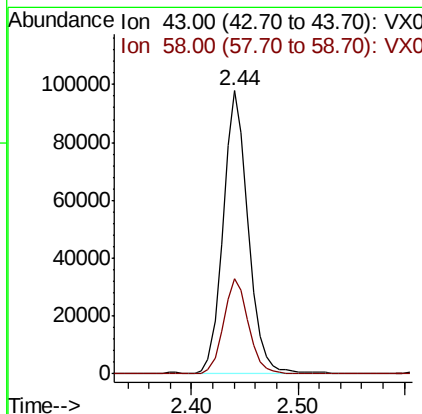
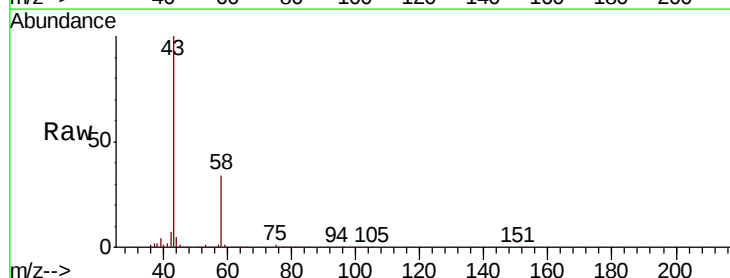
RT: 2.44 min Scan# 211

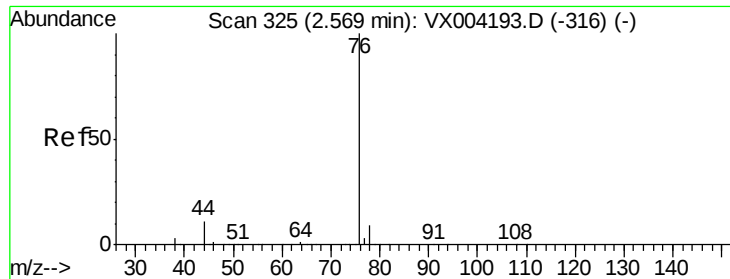
Delta R.T. -0.01 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Tgt Ion:	43	Resp:	158994
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.2	39.4





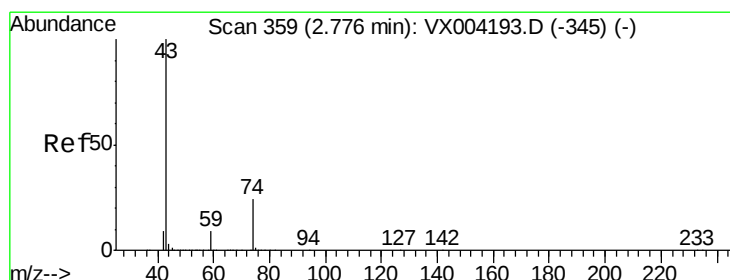
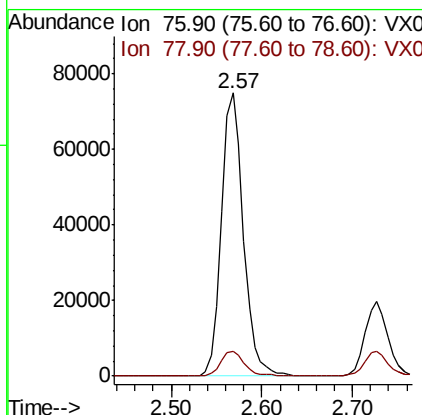
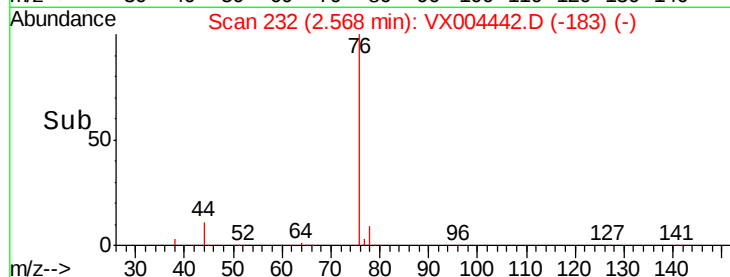
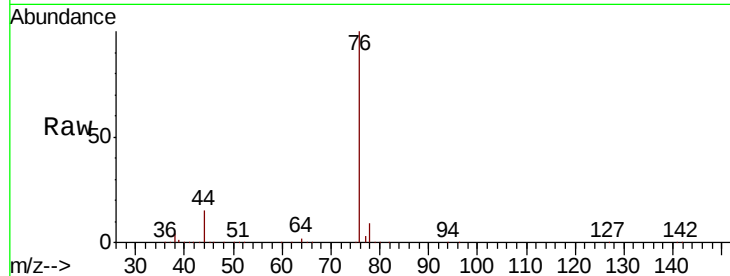
#17
Carbon Disulfide
Concen: 16.07 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.6

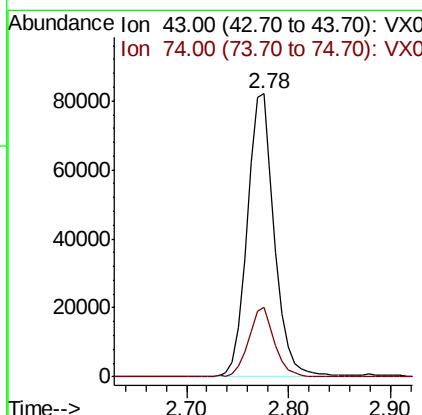
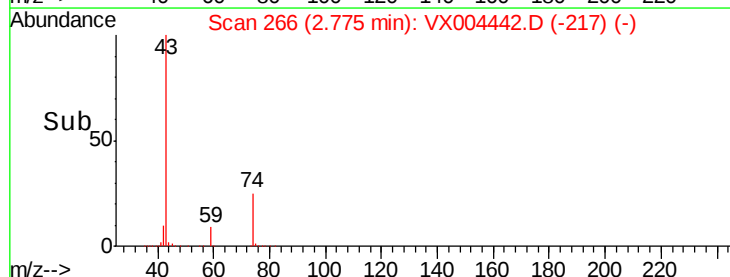
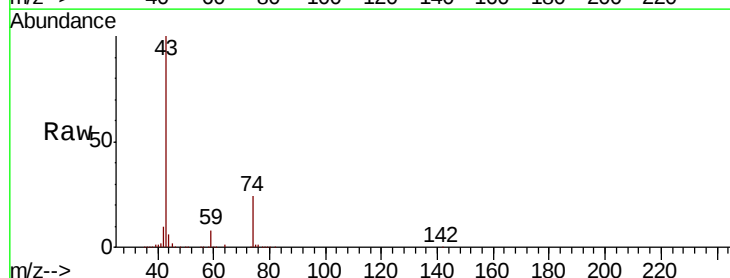
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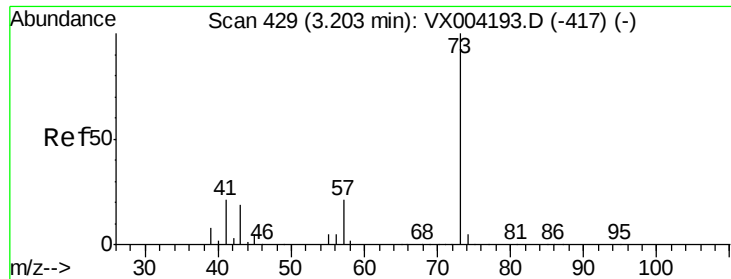
MMDadoda
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#18
Methyl Acetate
Concen: 28.18 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.4	29.2





#19

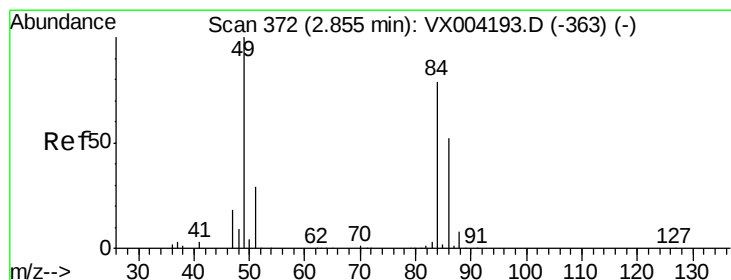
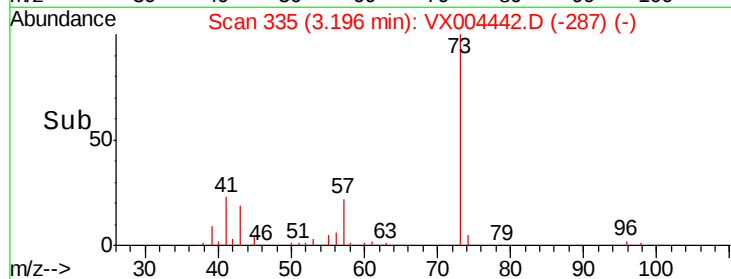
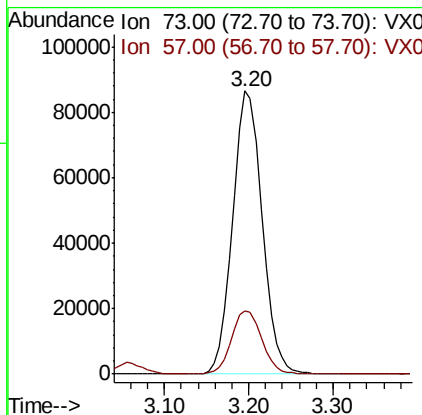
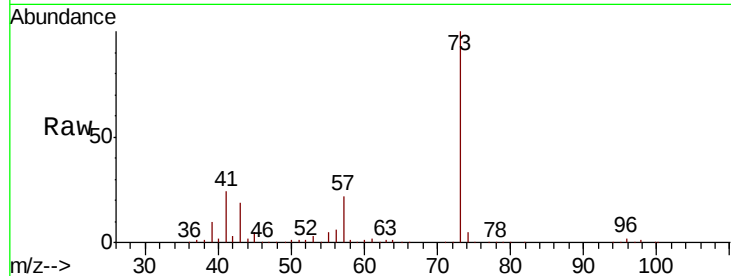
Methyl tert-butyl Ether
 Concen: 21.15 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0910WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.1	25.7

Manual Integrations
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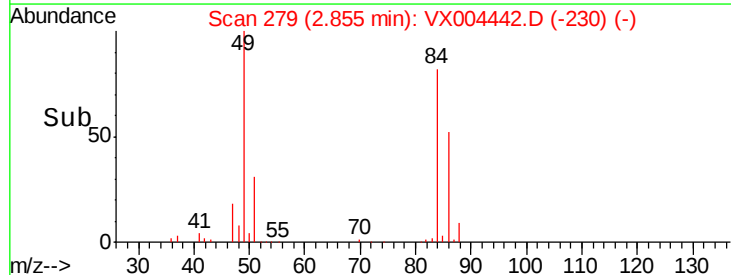
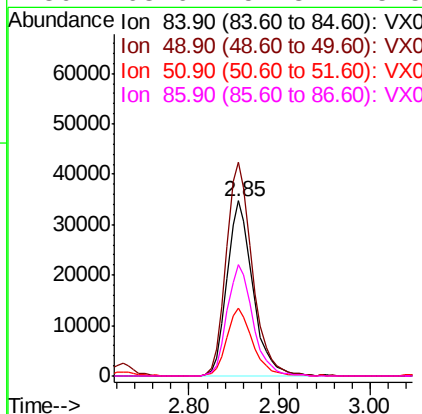
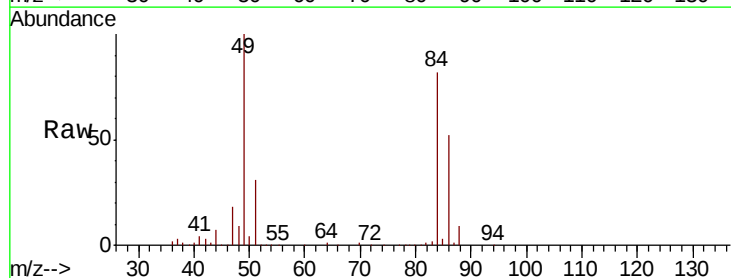
MMDadoda
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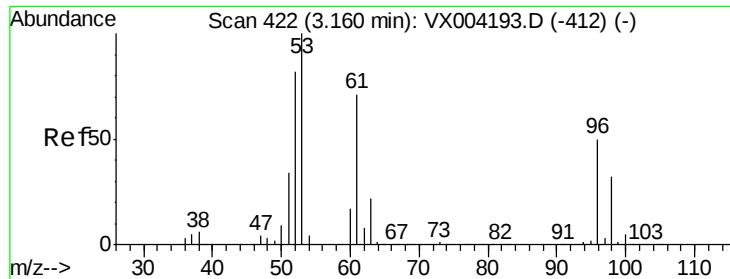


#20

Methylene Chloride
 Concen: 19.77 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.2	101.2	151.8
51	38.2	29.5	44.3
86	63.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.23 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBS01

Tot Ion: 96 Resp: 59232

Ion Ratio Lower Upper

96 100

61 142.5 113.8 170.6

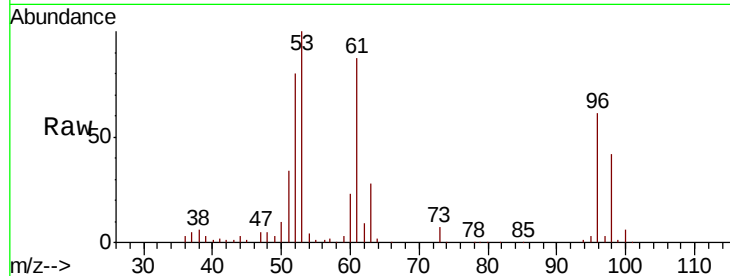
98 67.8 51.8 77.8

Manual Integrations

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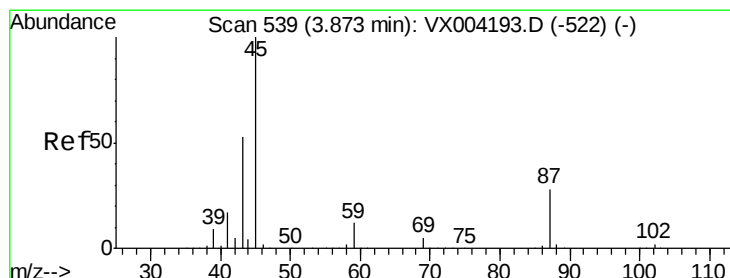
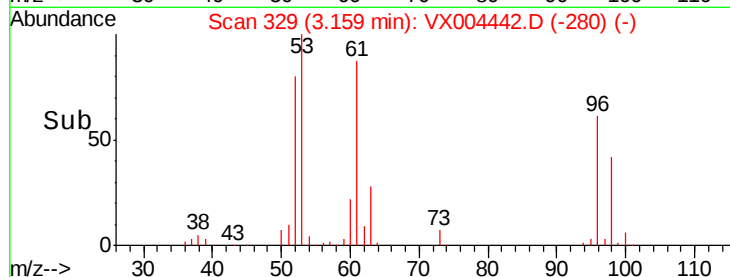
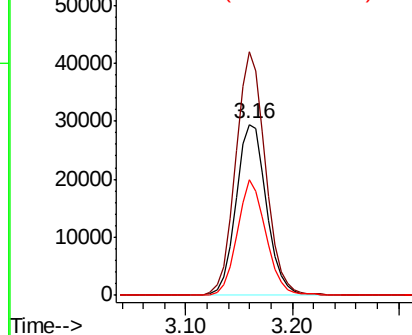


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.88 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Tgt Ion: 45 Resp: 210194

Ion Ratio Lower Upper

45 100

43 62.8 42.8 64.2

87 27.3 22.6 34.0

59 12.0 9.6 14.4

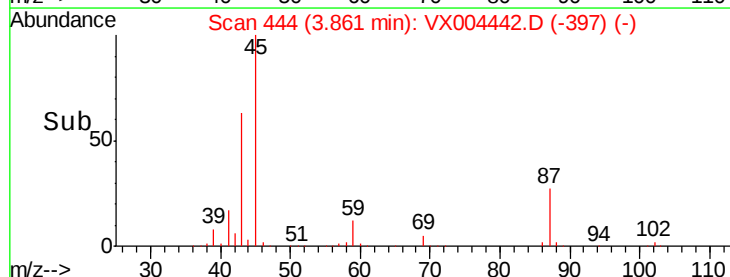
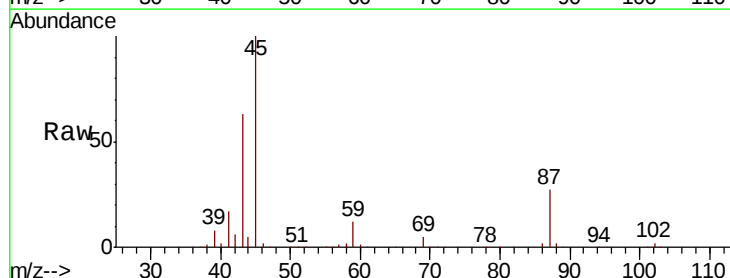
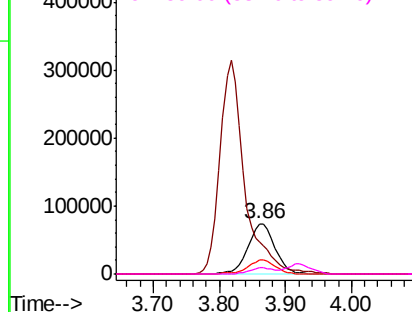
Abundance

Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





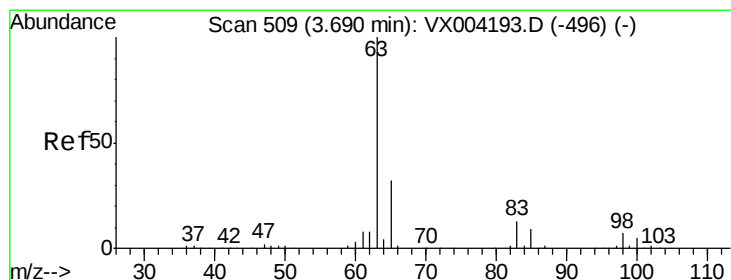
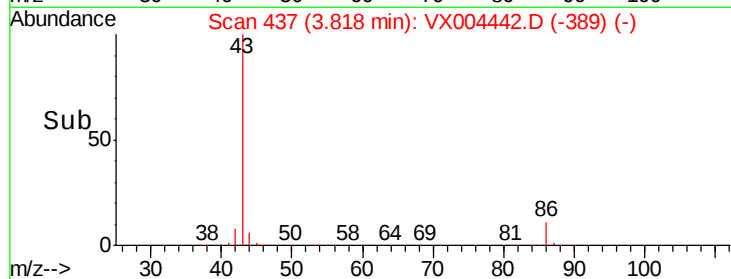
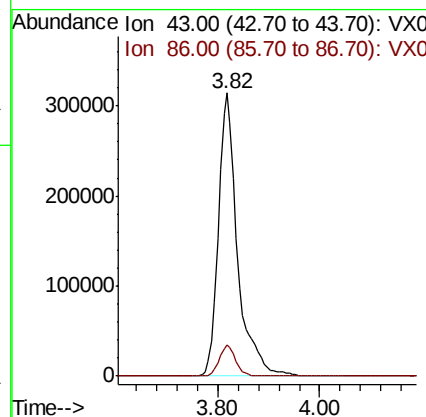
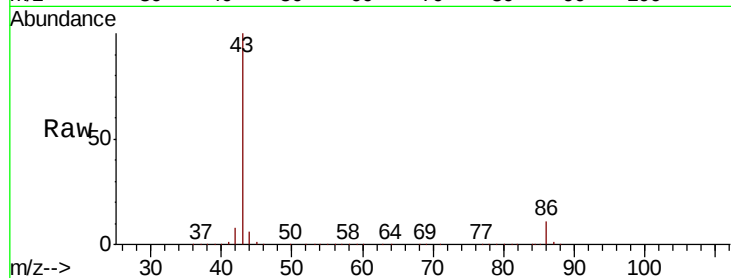
#23
 Vinyl Acetate
 Concen: 100.19 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampled :
 VX0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.9	13.3

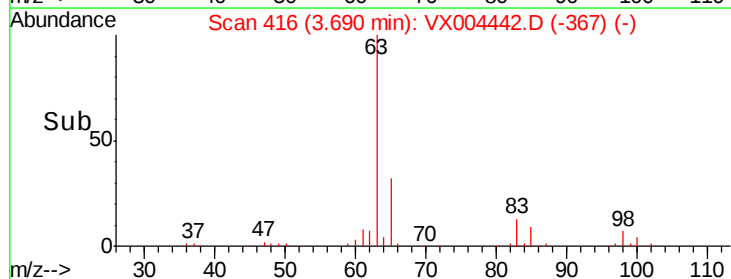
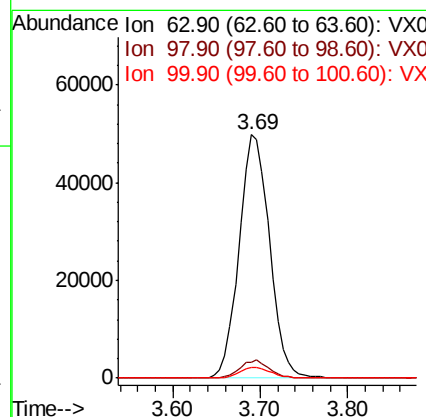
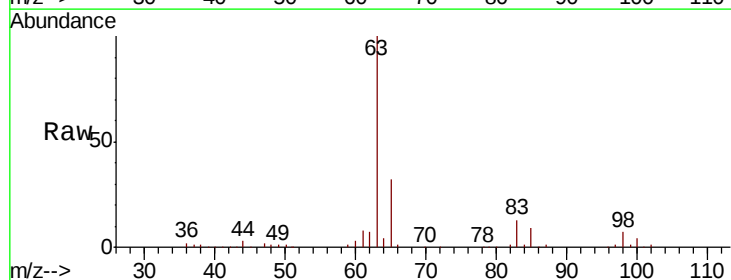
Manual Integrations
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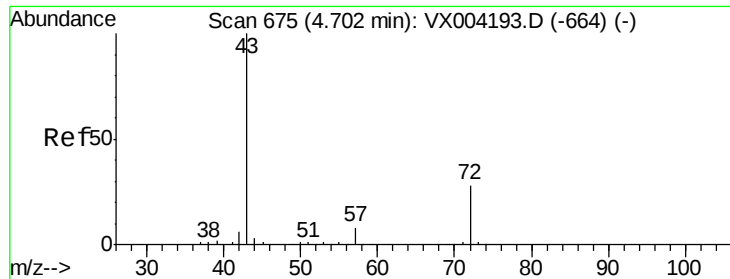
MMDadoda
 9/11/2018 3:06:42 PM



#24
 1,1-Dichloroethane
 Concen: 20.61 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.4
100	4.4	2.4	7.1





#25

2-Butanone

Concen: 100.92 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBS01

Tot Ion: 43 Resp: 248271

Ion Ratio Lower Upper

43 100

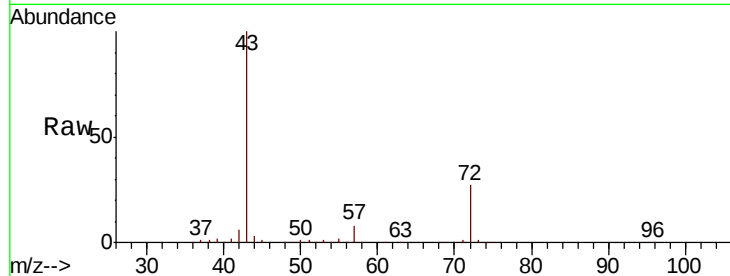
72 26.5 22.0 33.0

Manual Integrations

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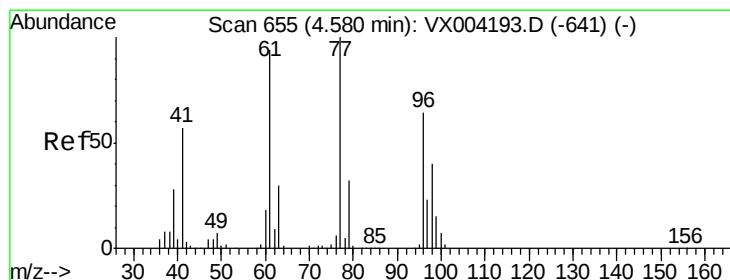
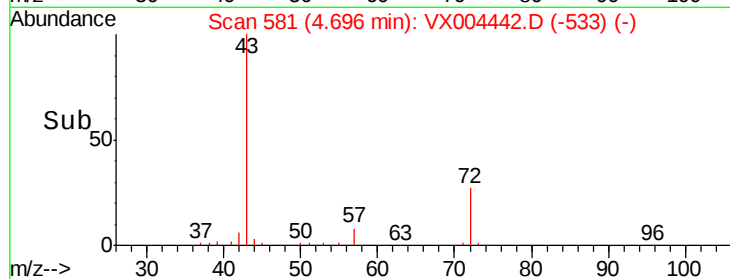
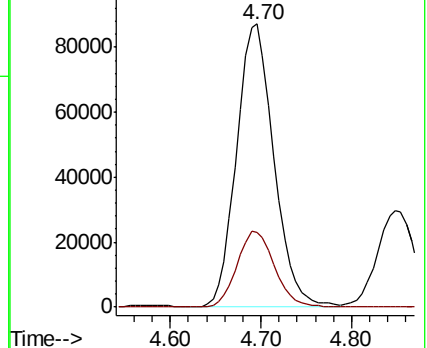
MMDadoda

9/11/2018 3:06:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.15 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004442.D

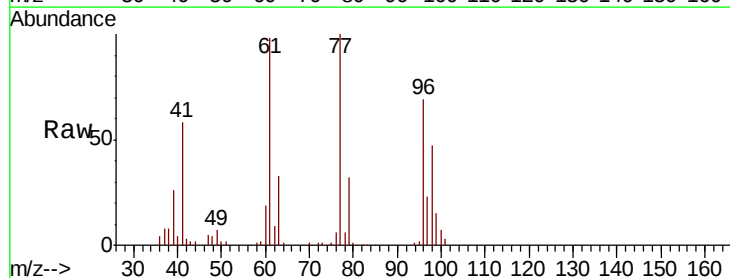
Acq: 10 Sep 2018 12:08

Tgt Ion: 77 Resp: 88116

Ion Ratio Lower Upper

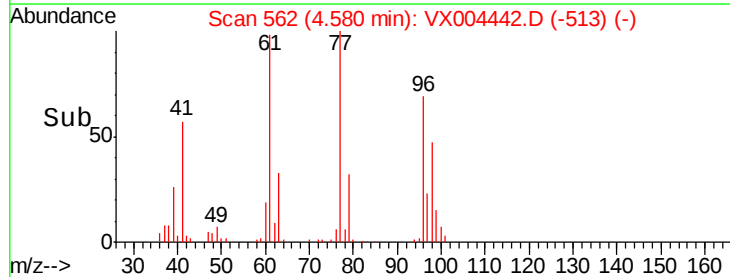
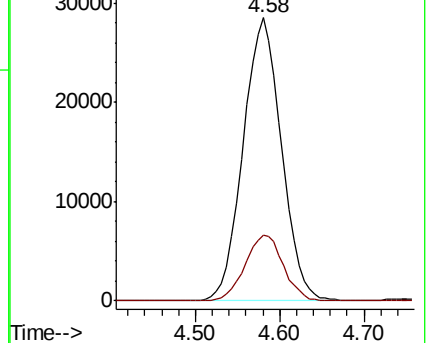
77 100

97 23.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

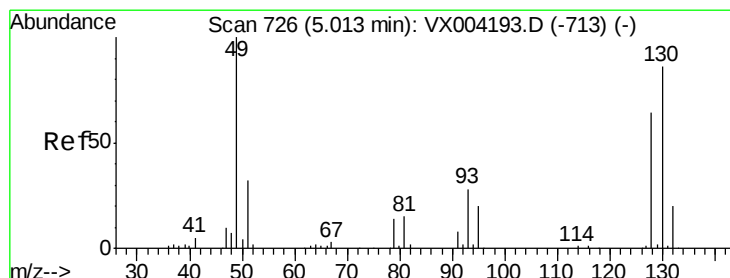
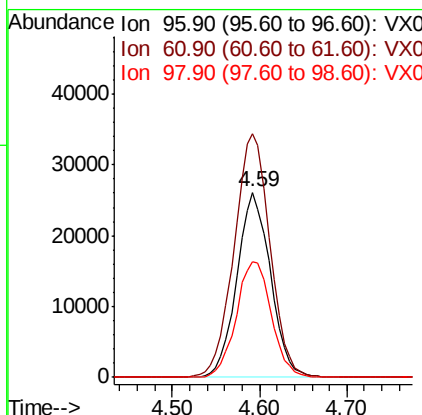
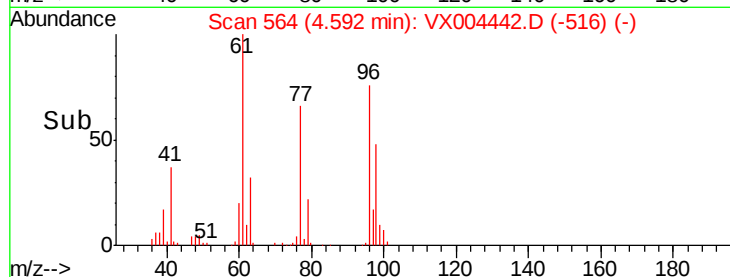
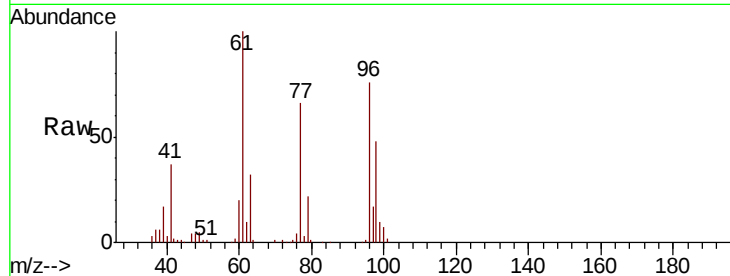
cis-1,2-Dichloroethene
 Concen: 19.00 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69985		
61	140.5		0.0	282.6
98	65.0		0.0	130.2

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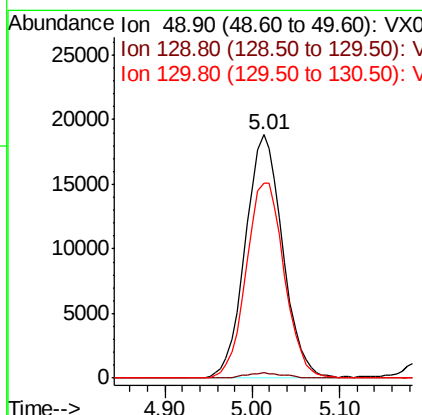
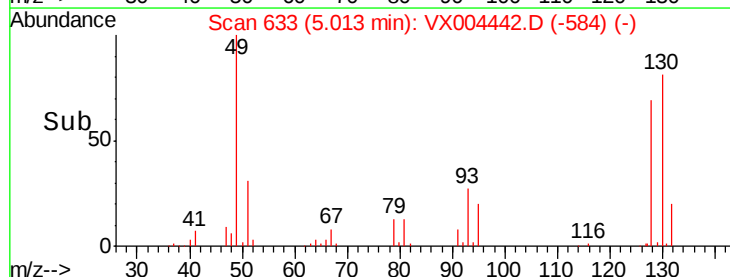
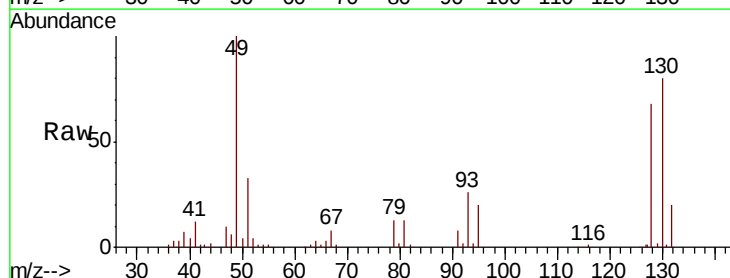
MMDadoda
 9/11/2018 3:06:42 PM

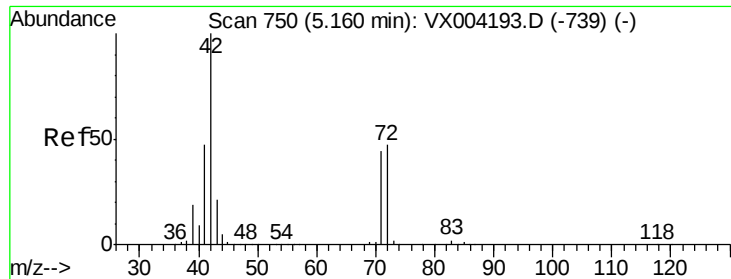


#28

Bromochloromethane
 Concen: 21.45 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	55719		
129	2.1		0.0	4.2
130	82.0		67.5	101.3





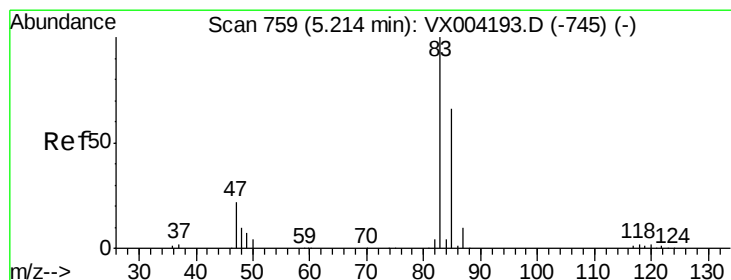
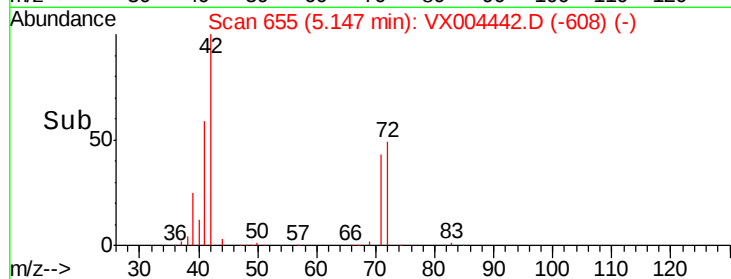
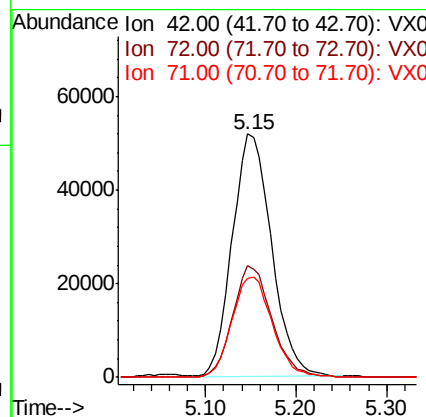
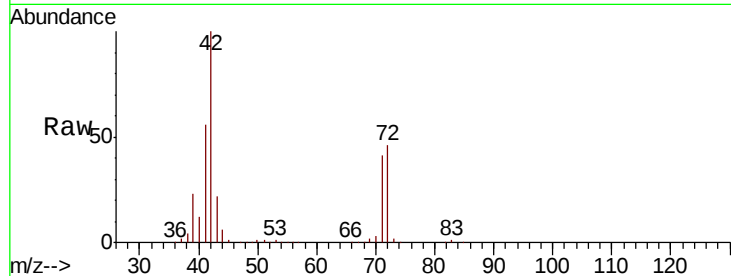
#29
Tetrahydrofuran
Concen: 100.39 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.4	56.0
71	42.6	34.5	51.7

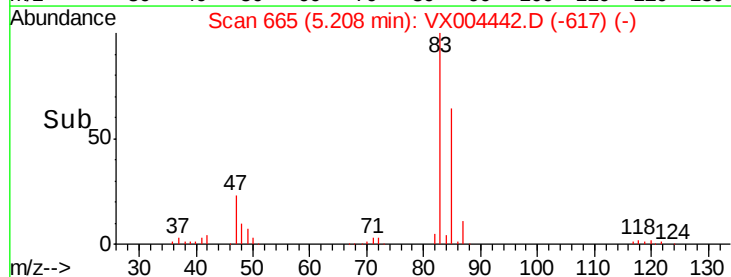
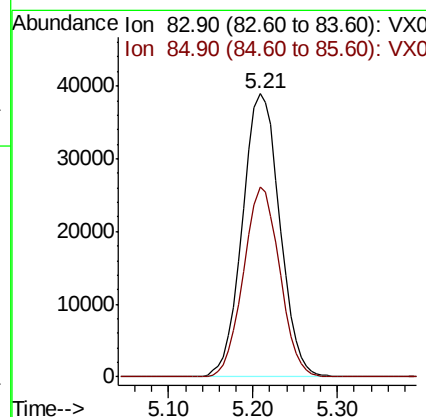
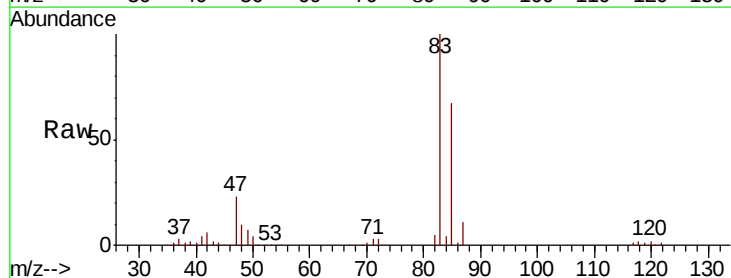
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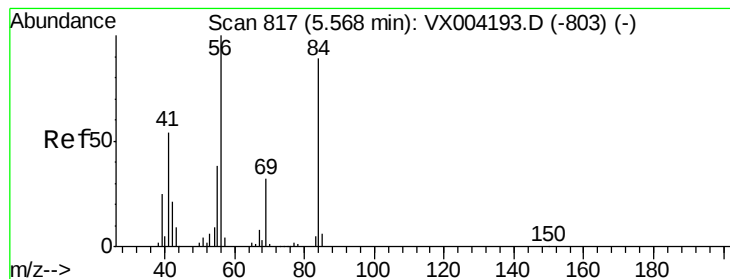
MMDadoda
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#30
Chloroform
Concen: 19.89 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.6	79.0





#31

Cyclohexane

Concen: 16.56 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

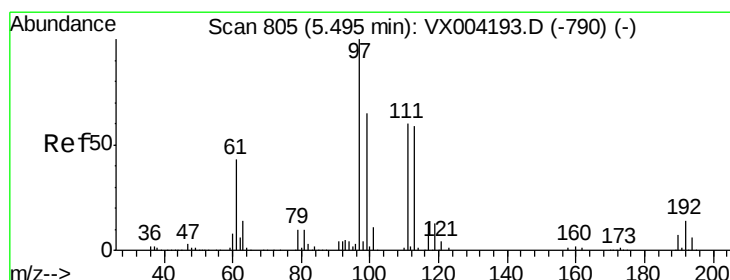
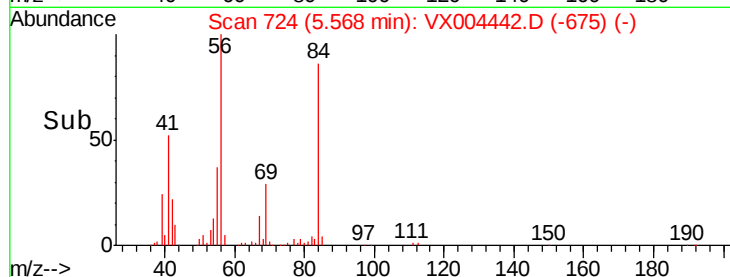
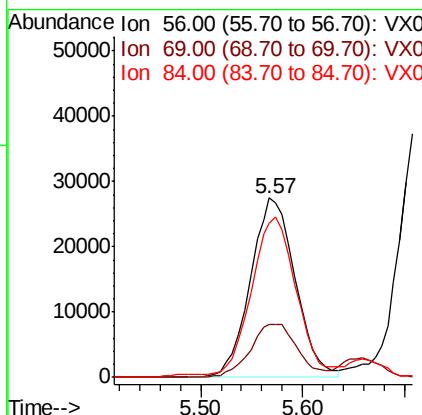
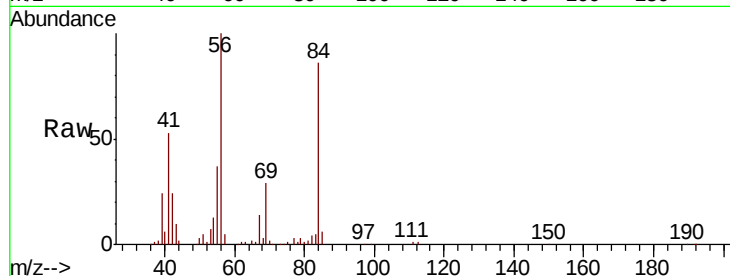
ClientSampleId :

VX0910WBS01

Tot Ion:	56	Resp:	83824
Ion	Ratio	Lower	Upper
56	100		
69	29.3	25.4	38.2
84	84.4	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 18.57 ug/l

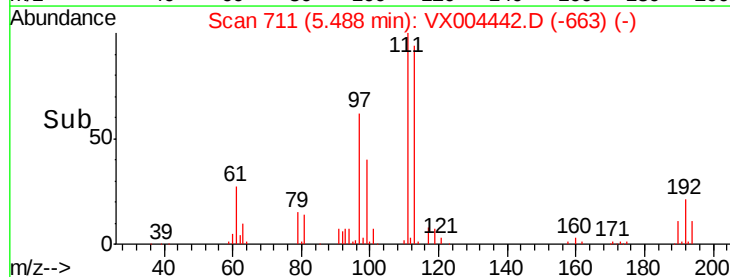
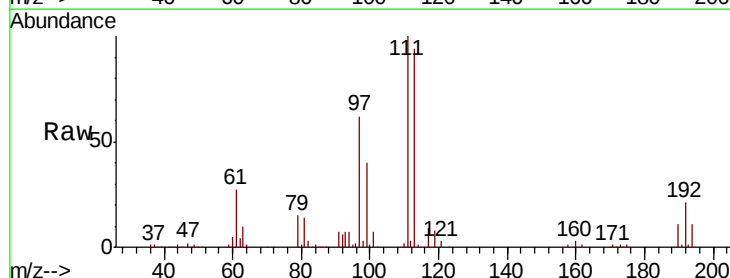
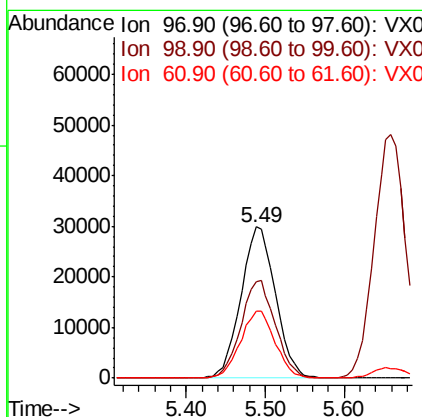
RT: 5.49 min Scan# 711

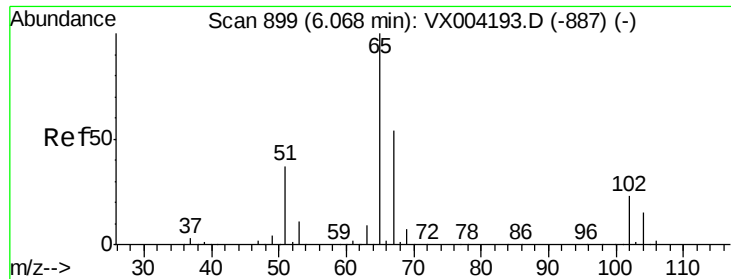
Delta R.T. -0.01 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Tgt Ion:	97	Resp:	91102
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	44.4	34.9	52.3





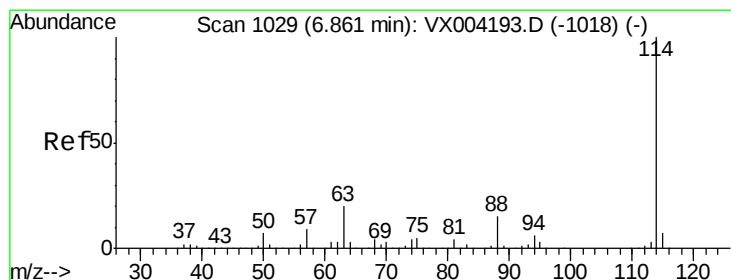
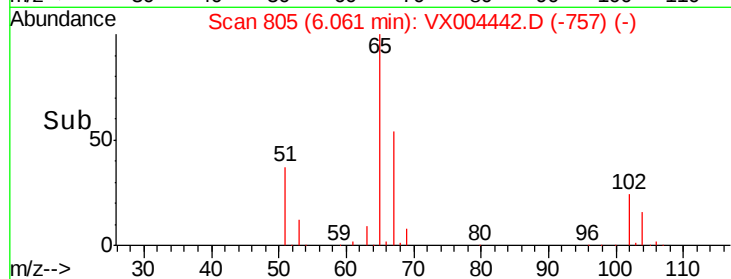
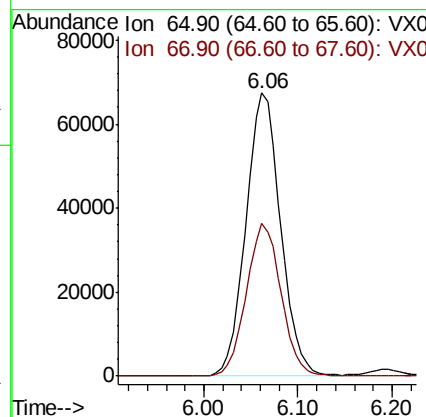
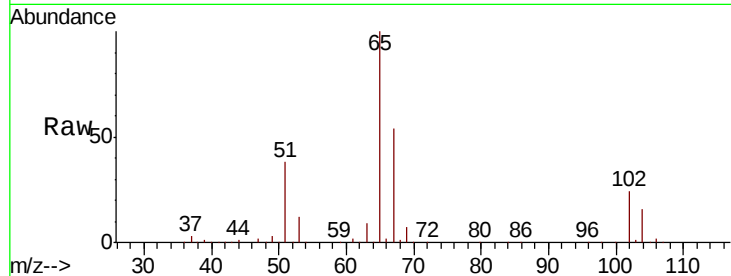
#33
 1,2-Dichloroethane-d4
 Concen: 48.27 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	106.8

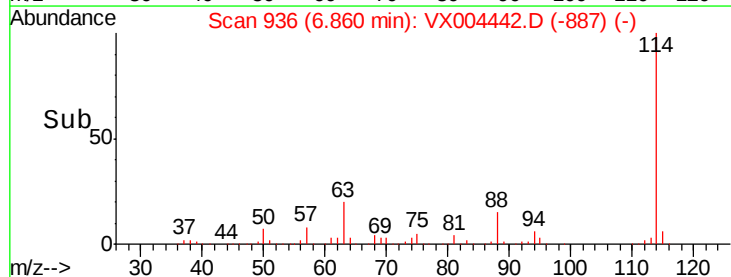
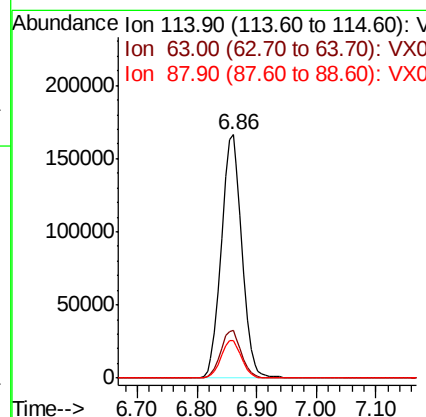
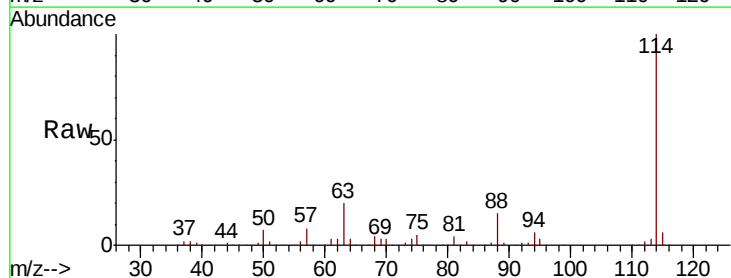
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.0
88	15.2	0.0	30.4





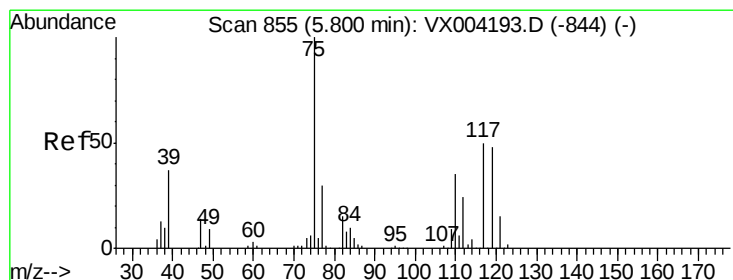
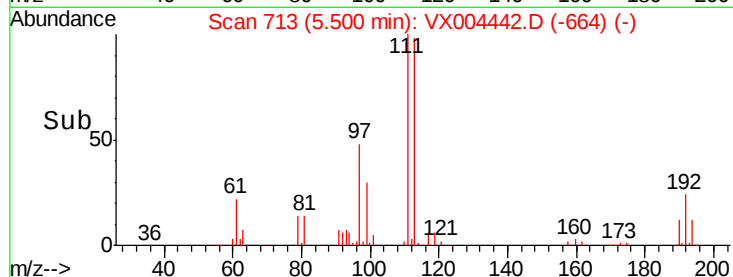
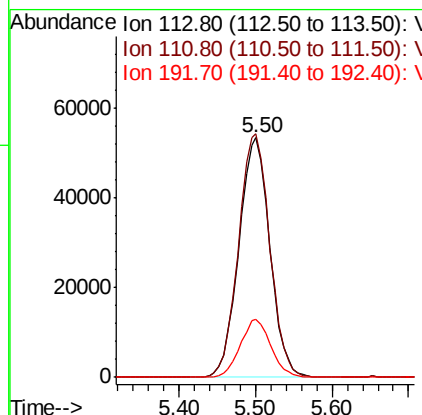
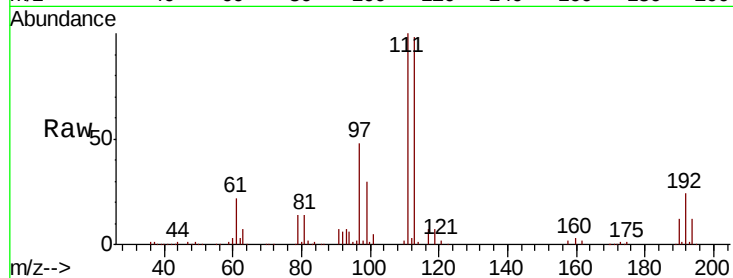
#35
 Dibromofluoromethane
 Concen: 50.69 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150124		
111	102.6	82.4	123.6	
192	23.9	19.4	29.2	

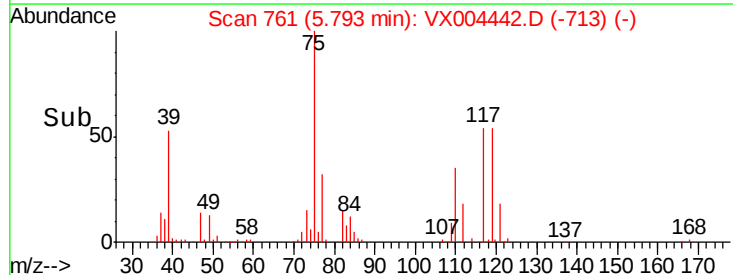
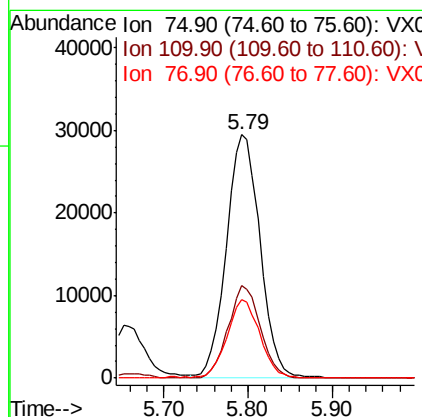
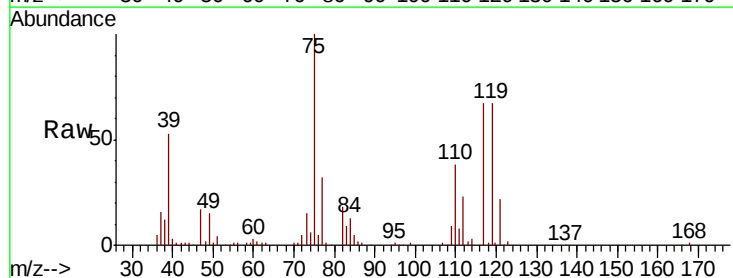
Manual Integrations
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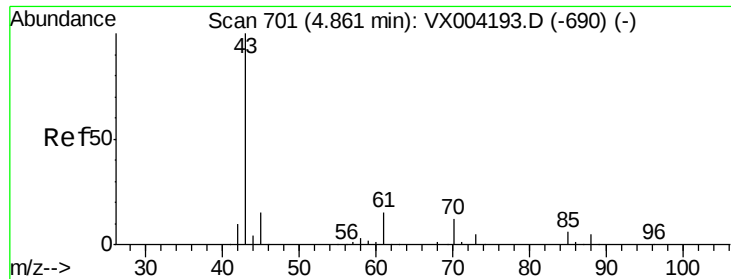
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#36
 1,1-Dichloropropene
 Concen: 17.85 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79872		
110	36.5	18.0	54.0	
77	31.5	24.6	36.8	





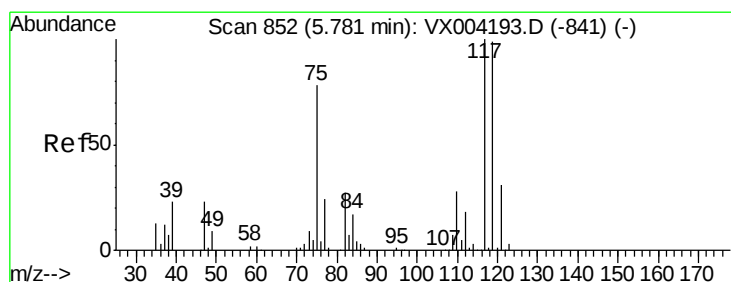
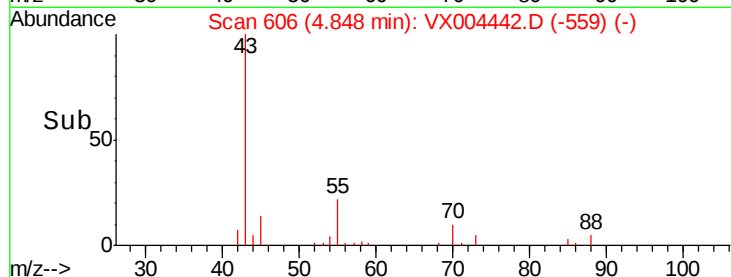
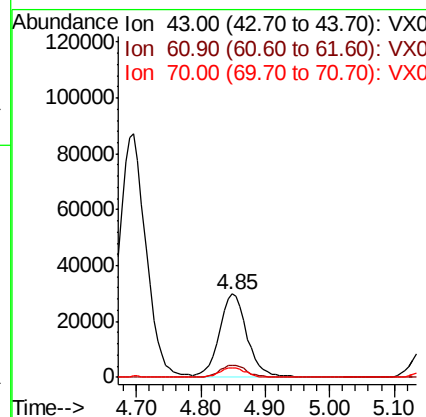
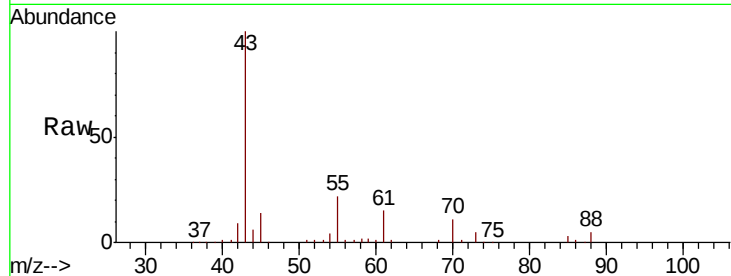
#37
Ethyl Acetate
Concen: 20.28 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.1	9.0	13.6

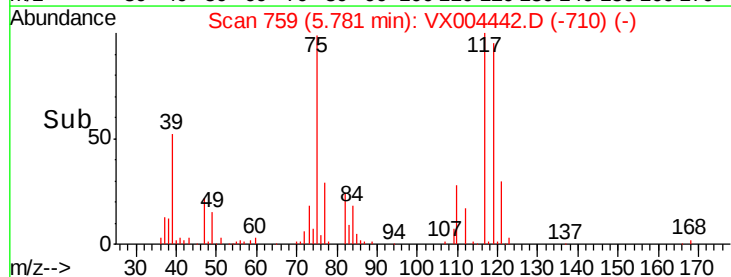
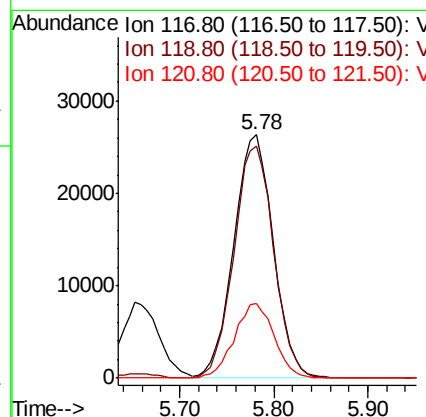
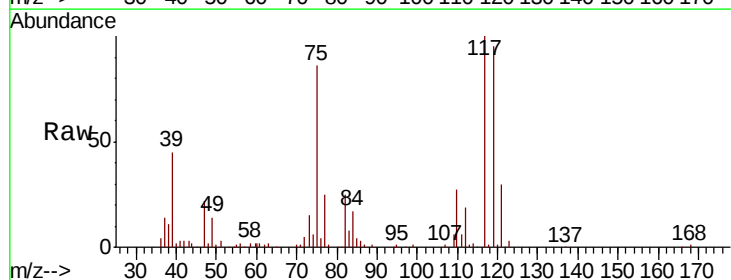
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.35 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	78.8	118.2
121	30.5	24.9	37.3





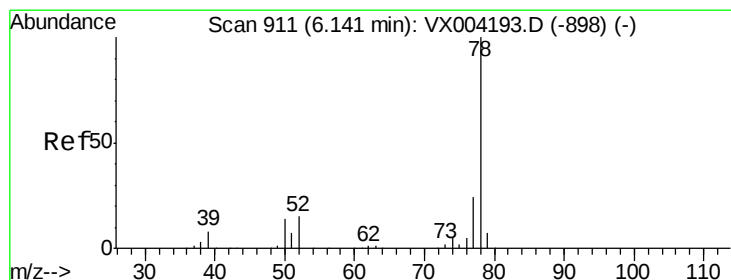
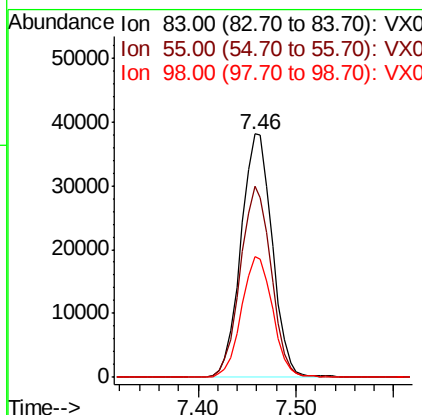
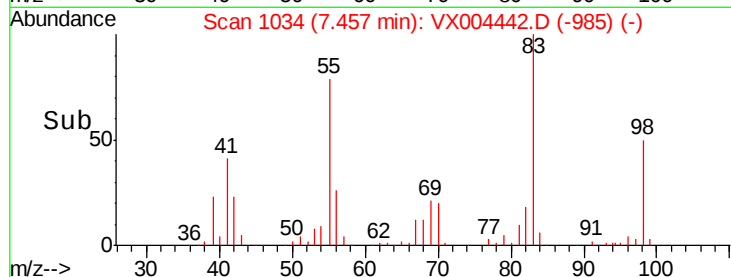
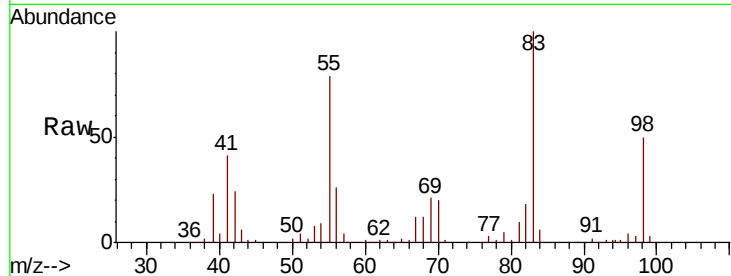
#39
Methvlcvclohexane
Concen: 16.57 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampled :
VX0910WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.0	91.4
98	49.8	39.6	59.4

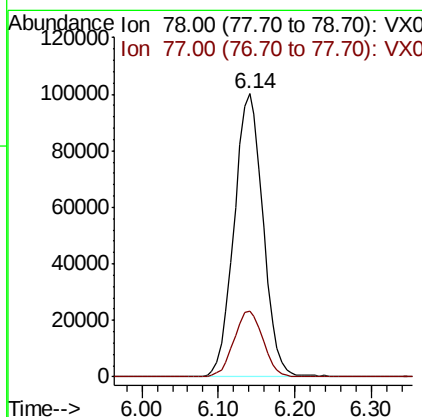
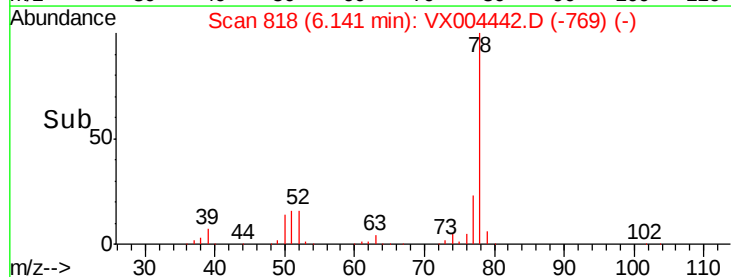
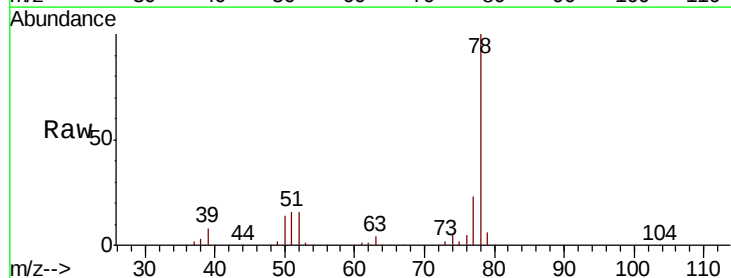
Manual Integrations
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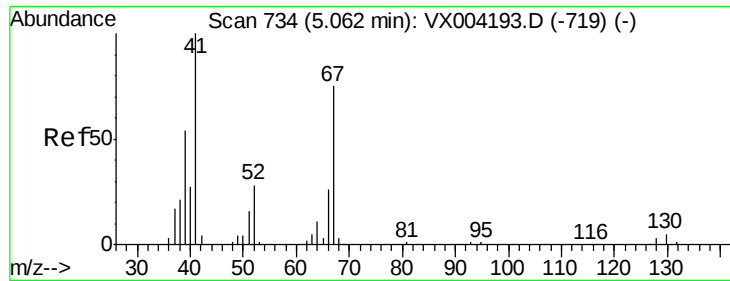
MMDadoda
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#40
Benzene
Concen: 19.58 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





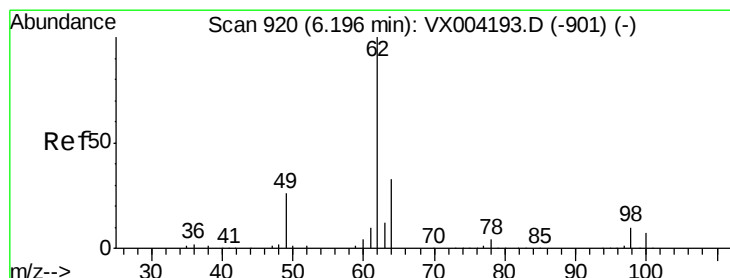
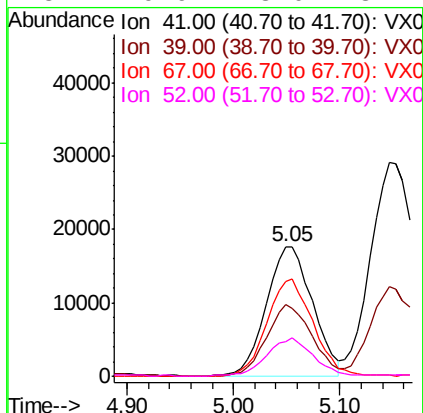
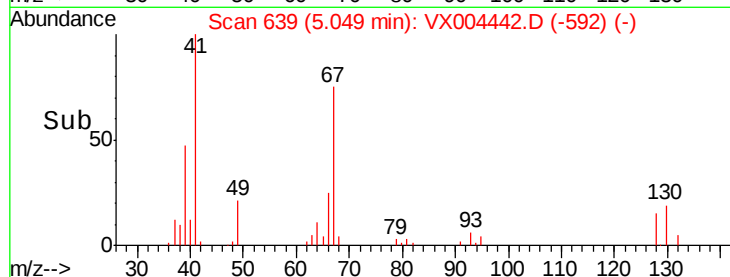
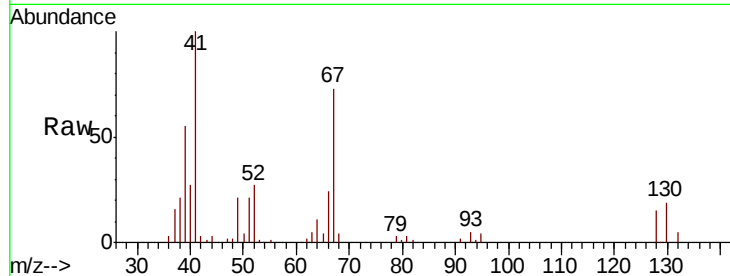
#41
Methacrylonitrile
Concen: 20.88 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	42.4	63.6	
67	74.5	59.2	88.8	
52	29.9	23.0	34.4	

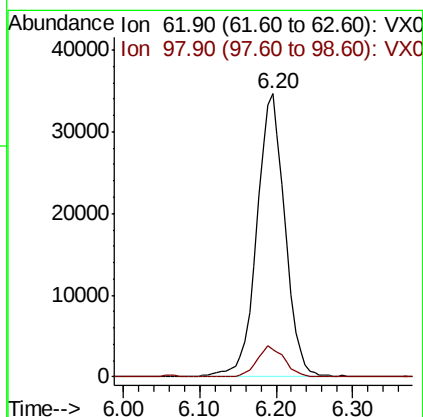
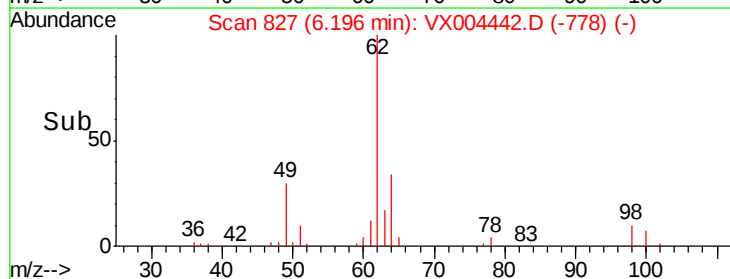
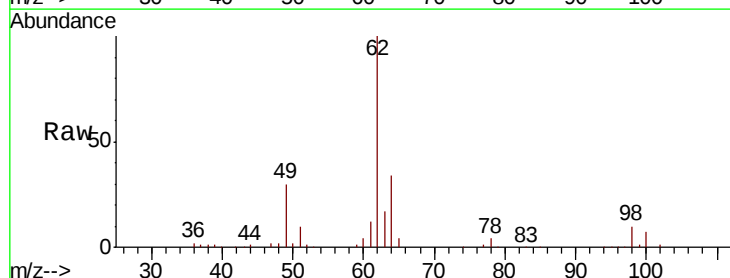
Manual Integrations
APPROVED

MMDadoda
9/11/2018 3:06:42 PM



#42
1,2-Dichloroethane
Concen: 19.54 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	20.6	





#43

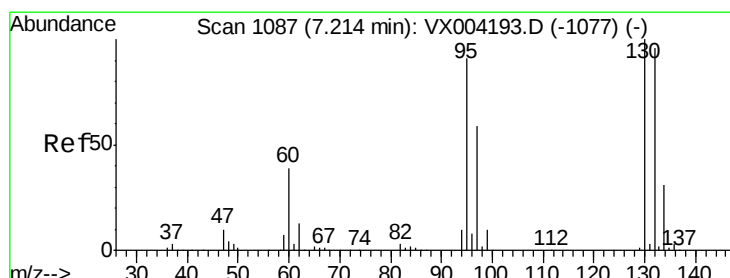
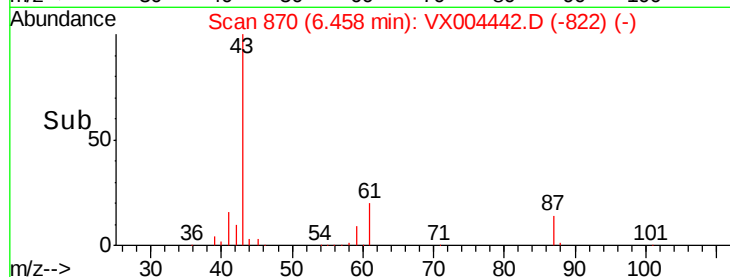
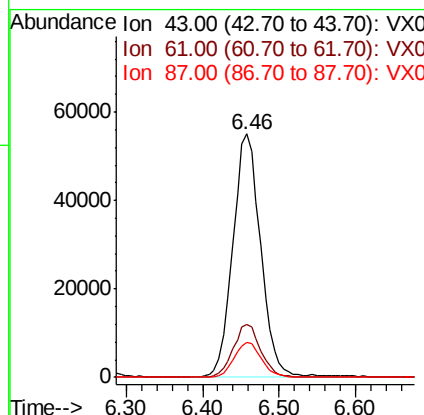
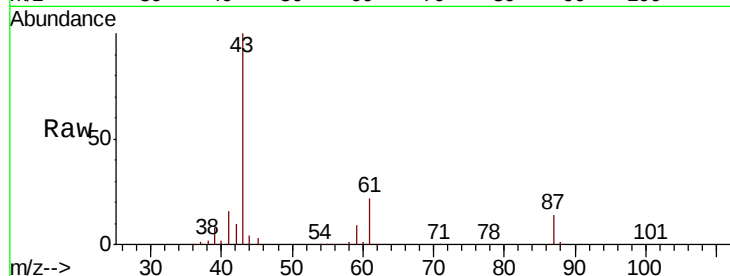
Isopropyl Acetate
 Concen: 20.43 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.0	25.4
87	14.1	11.4	17.2

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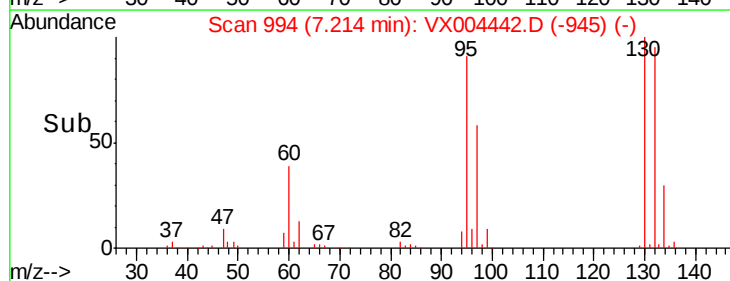
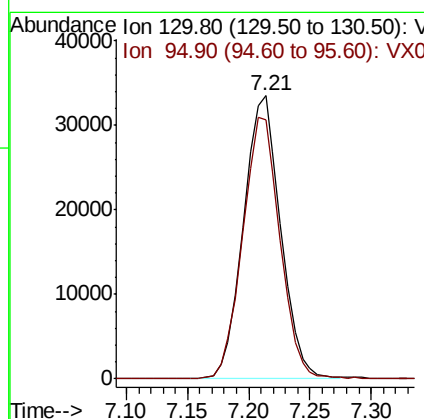
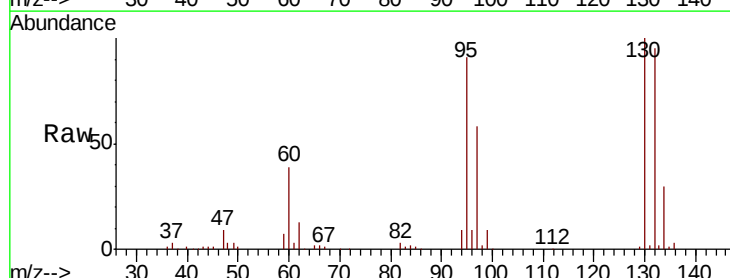
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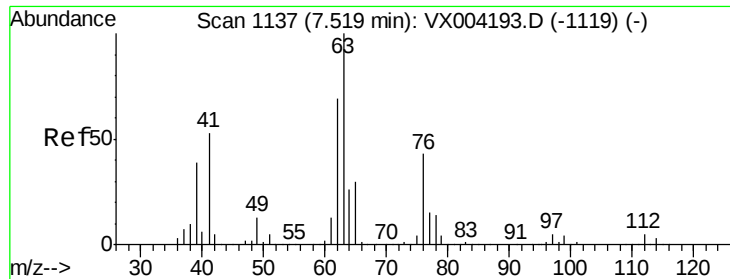


#44

Trichloroethene
 Concen: 19.14 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	181.6





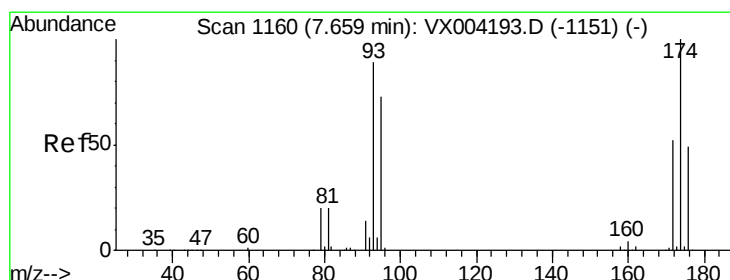
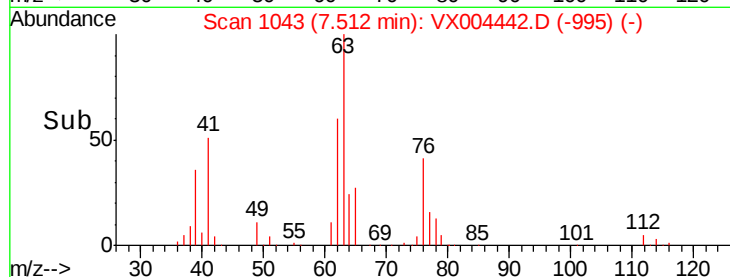
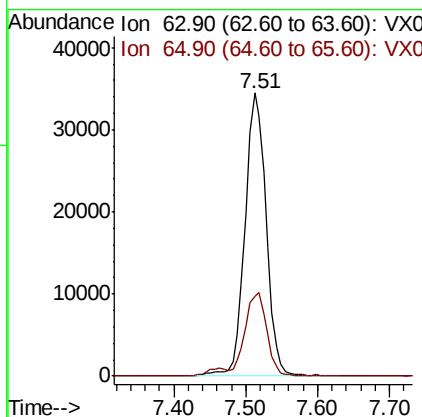
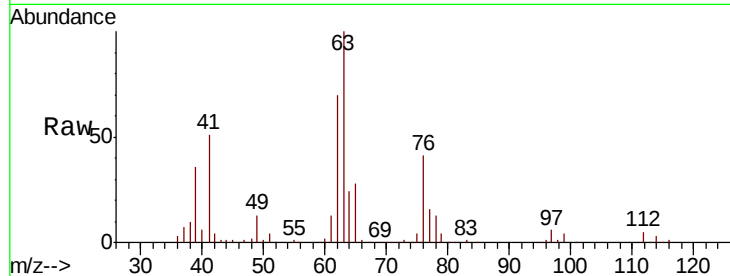
#45
 1,2-Dichloropropane
 Concen: 21.00 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampled :
 VX0910WBS01

Tot Ion: 63 Resp: 70295
 Ion Ratio Lower Upper
 63 100
 65 28.4 24.3 36.5

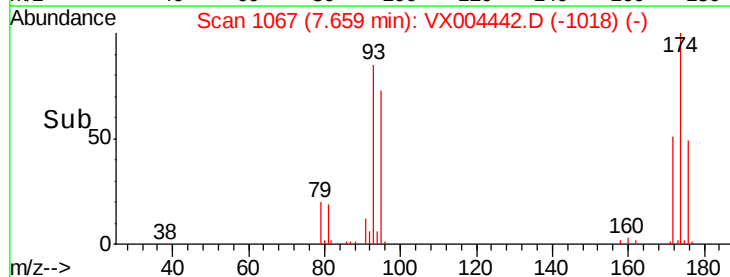
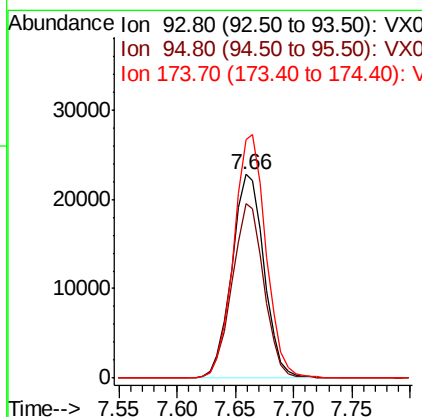
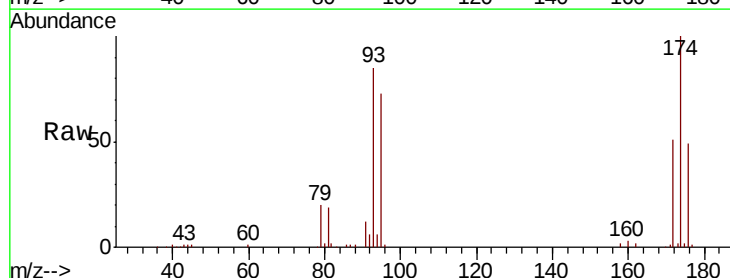
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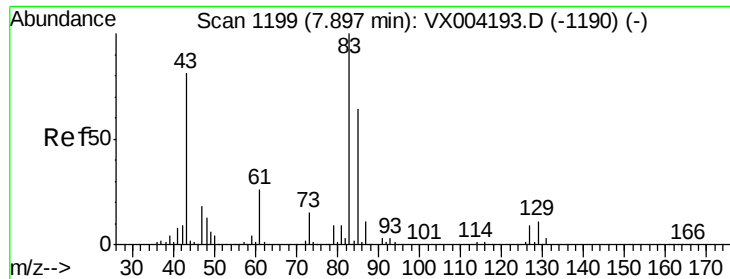
MMDadoda
 9/11/2018 3:06:42 PM



#46
 Dibromomethane
 Concen: 19.78 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion: 93 Resp: 44077
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.5 98.3
 174 118.9 94.2 141.4





#47

Bromodichloromethane

Concen: 20.48 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

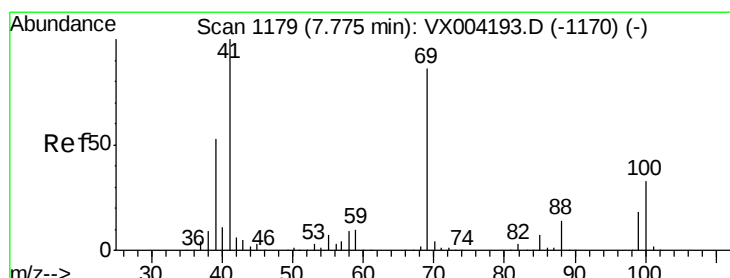
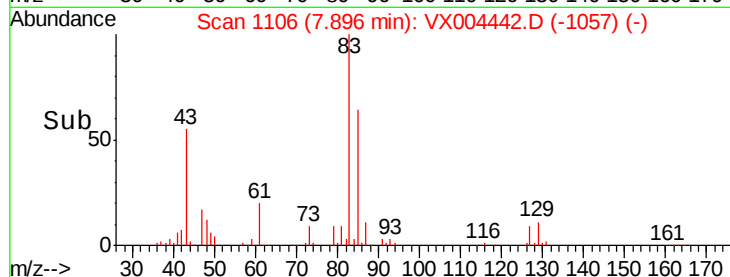
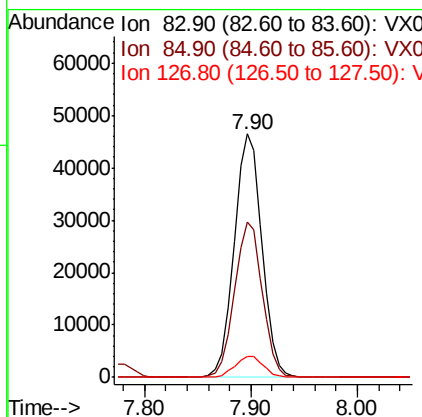
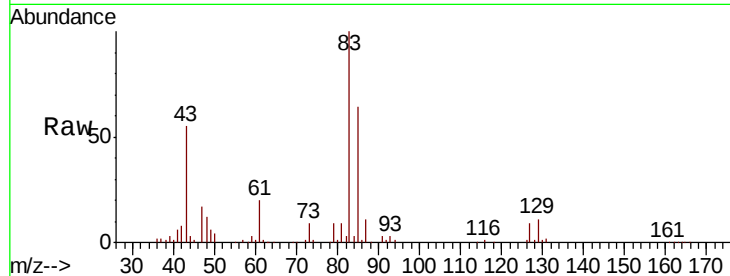
ClientSampleId :

VX0910WBS01

Tot Ion:	83	Resp:	84948
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.26 ug/l

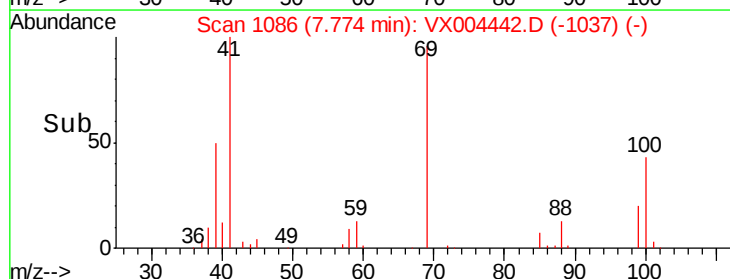
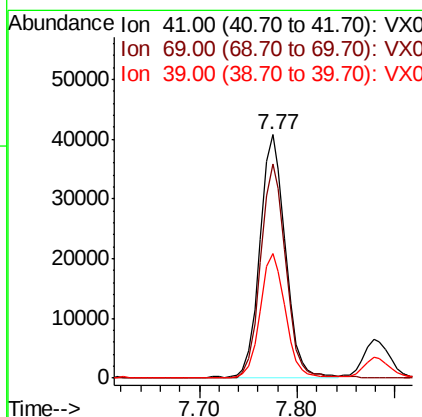
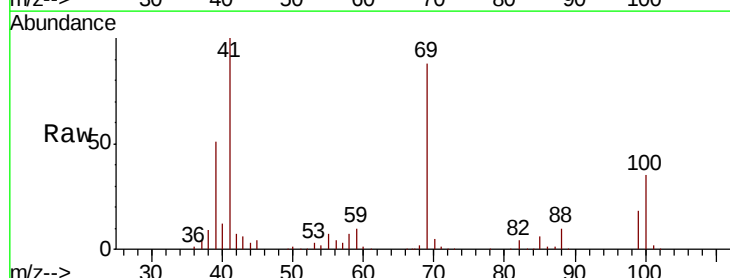
RT: 7.77 min Scan# 1086

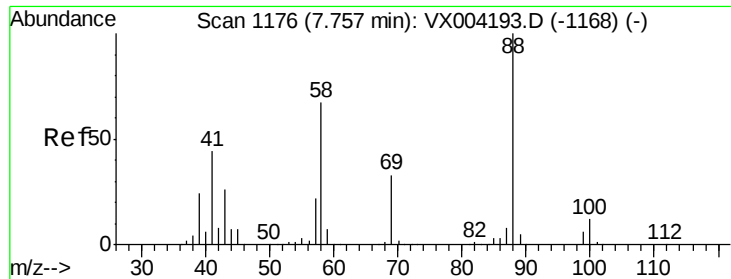
Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Tgt Ion:	41	Resp:	73309
Ion	Ratio	Lower	Upper
41	100		
69	87.6	70.2	105.4
39	51.5	42.7	64.1





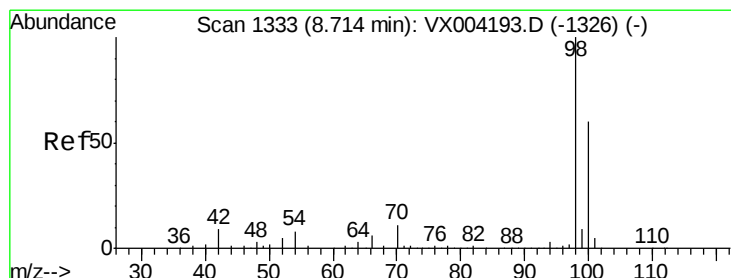
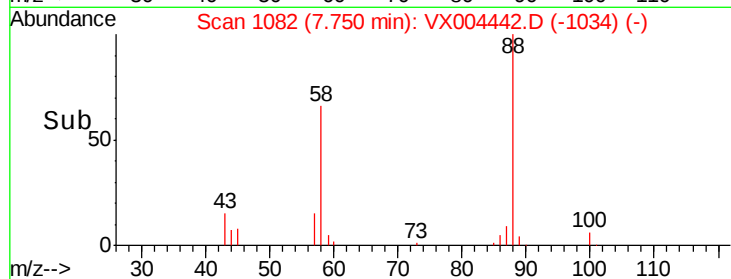
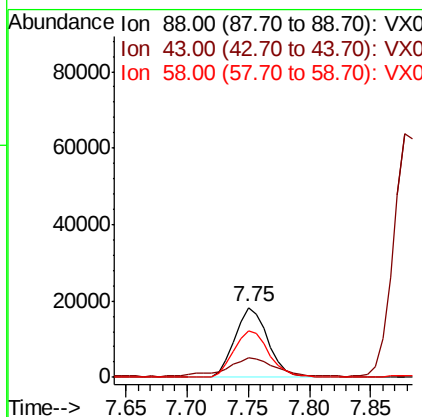
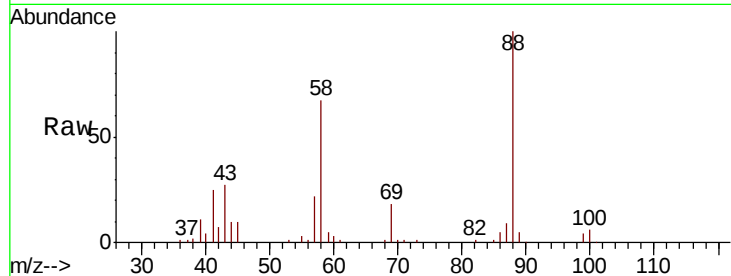
#49
1,4-Dioxane
Concen: 417.34 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion: 88 Resp: 34293
Ion Ratio Lower Upper
88 100
43 38.1 24.7 37.1#
58 71.5 55.3 82.9

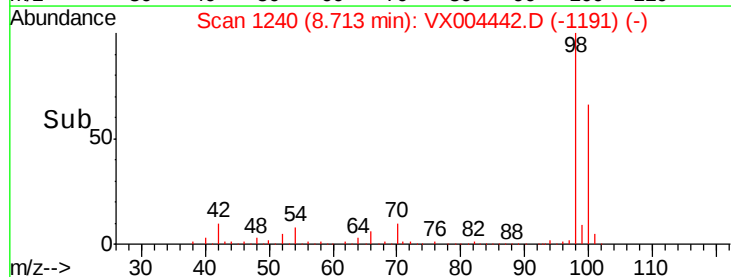
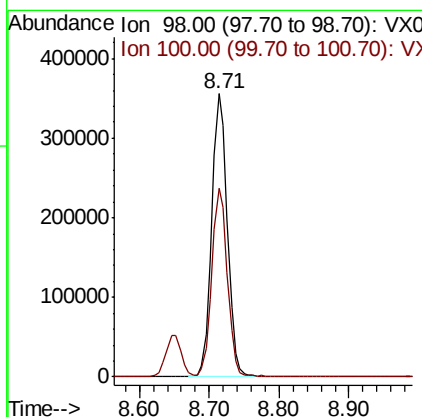
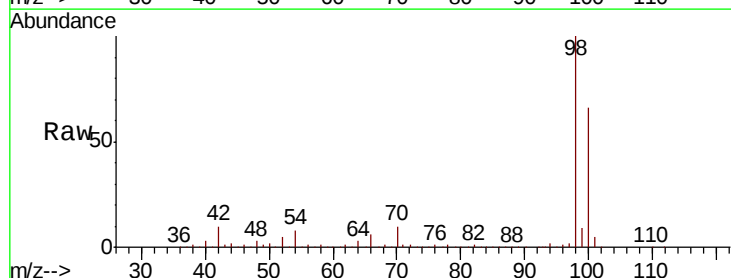
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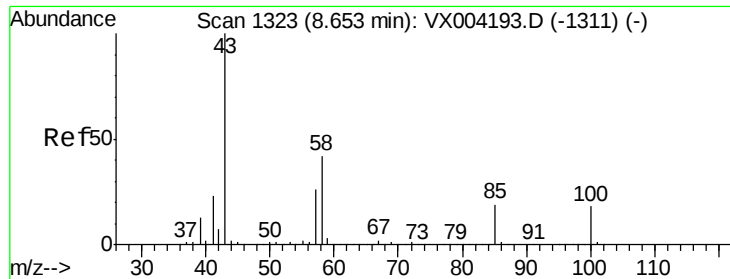
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#50
Toluene-d8
Concen: 49.28 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion: 98 Resp: 550885
Ion Ratio Lower Upper
98 100
100 67.0 52.9 79.3





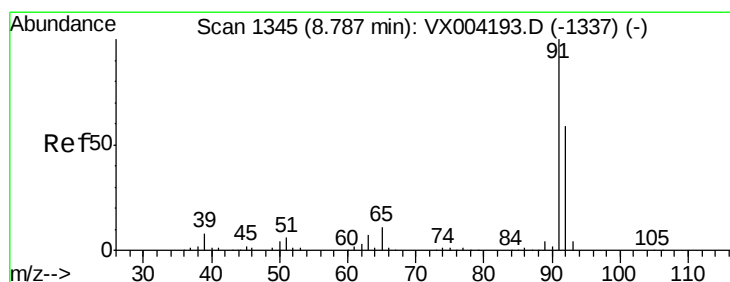
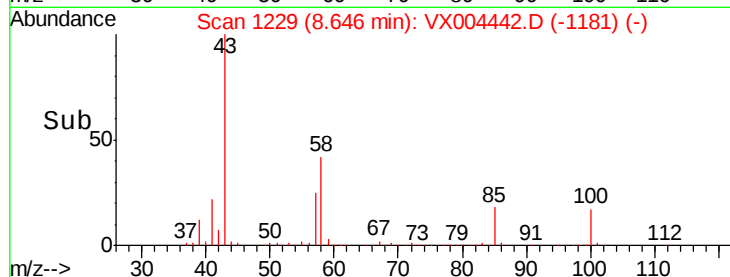
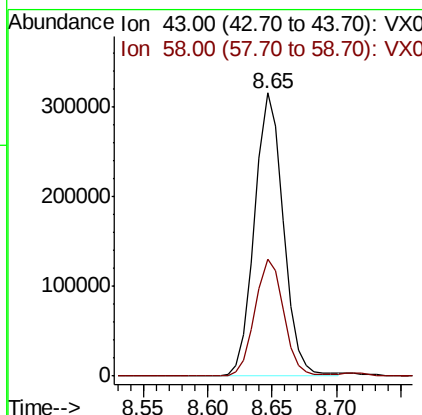
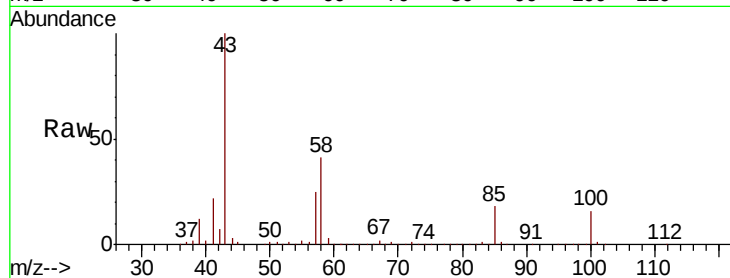
#51
4-Methyl-2-Pentanone
Concen: 98.91 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.3	33.1	49.7

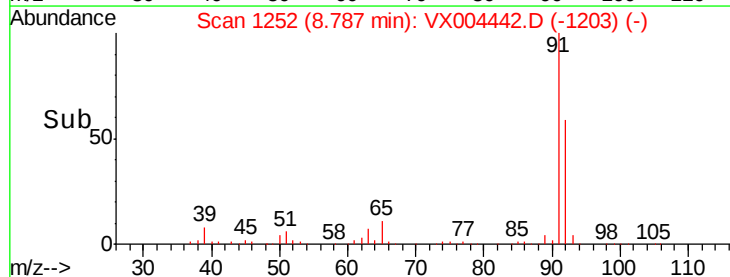
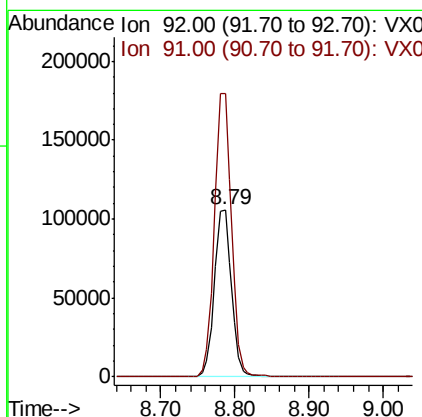
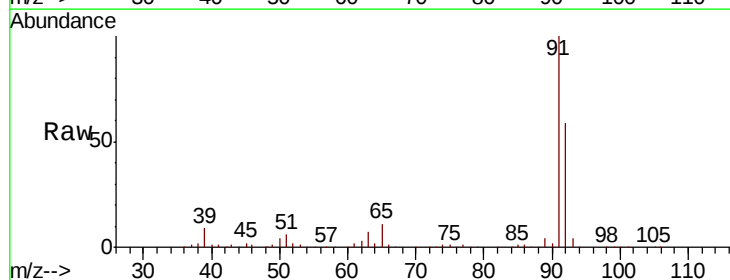
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#52
Toluene
Concen: 19.88 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.4	204.6





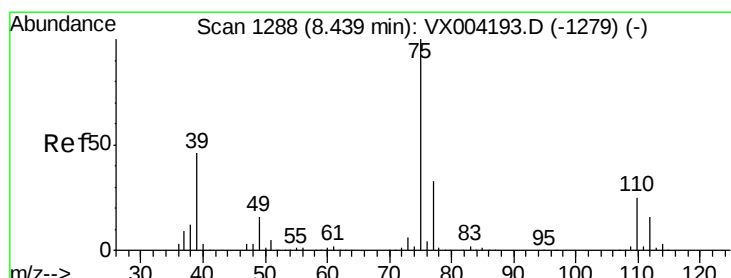
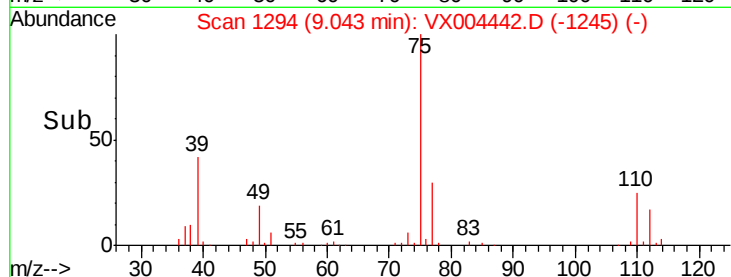
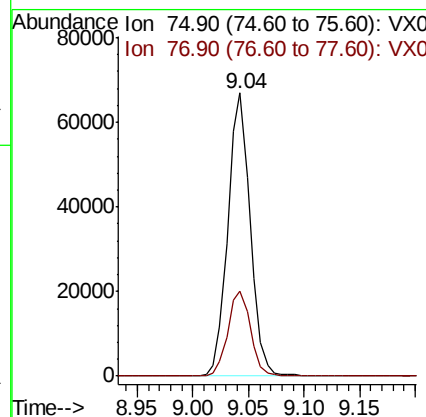
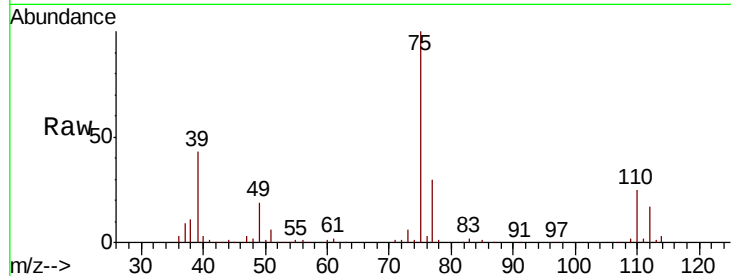
#53
t-1,3-Dichloropropene
Concen: 20.29 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion: 75 Resp: 92929
Ion Ratio Lower Upper
75 100
77 30.2 24.6 37.0

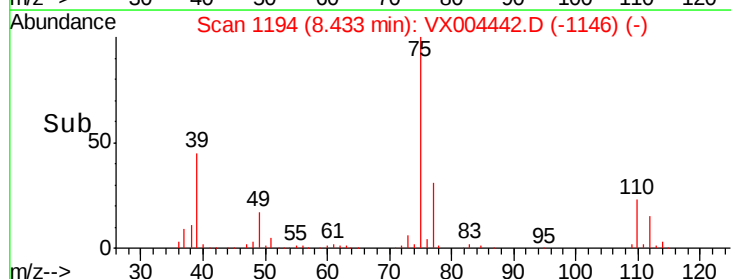
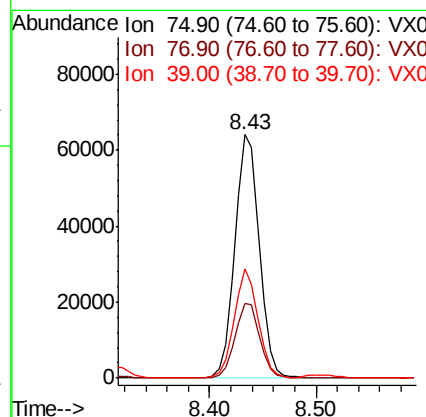
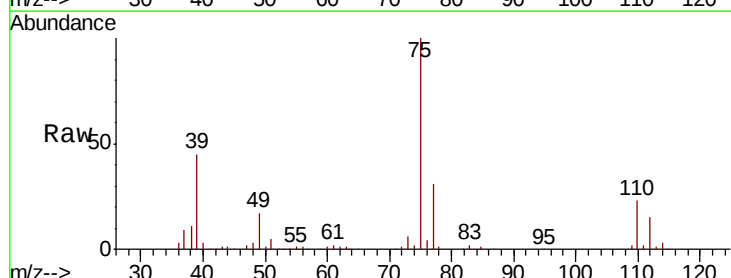
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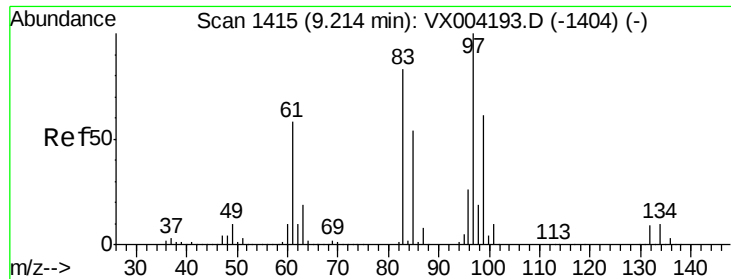
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.77 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion: 75 Resp: 103645
Ion Ratio Lower Upper
75 100
77 30.9 26.2 39.2
39 44.6 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 21.32 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

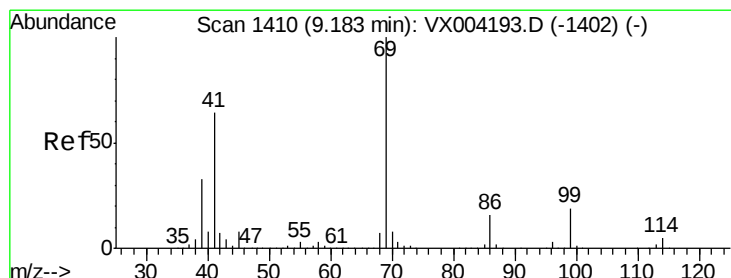
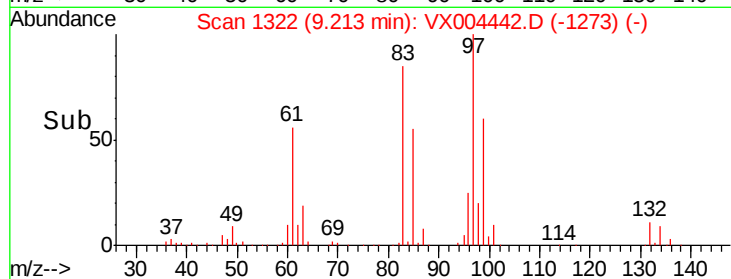
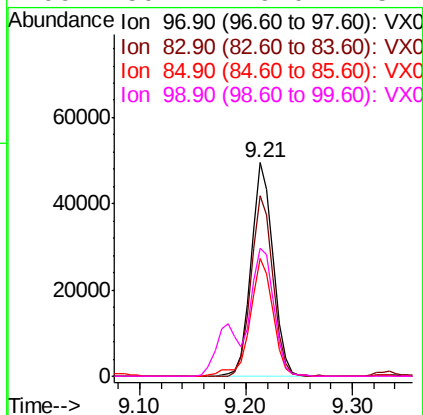
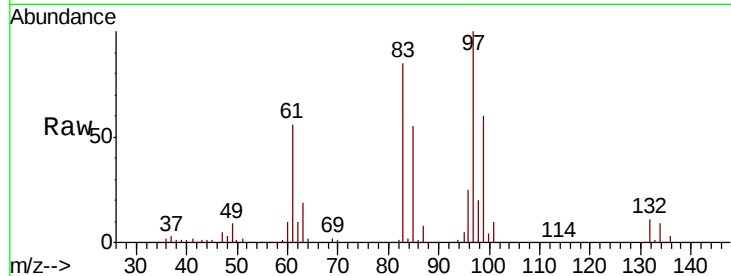
ClientSampleId :

VX0910WBS01

Tot Ion:	97	Resp:	72042
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.4	99.6
85	54.9	43.3	64.9
99	59.7	49.0	73.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.43 ug/l

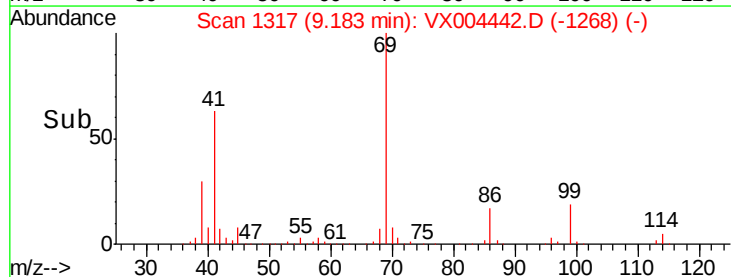
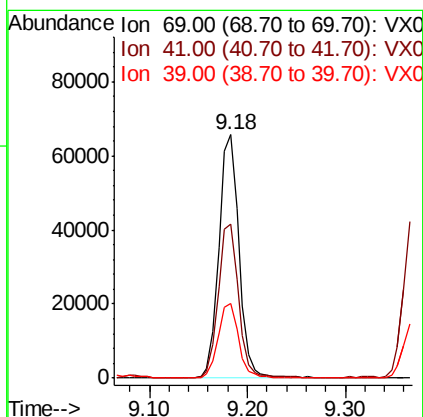
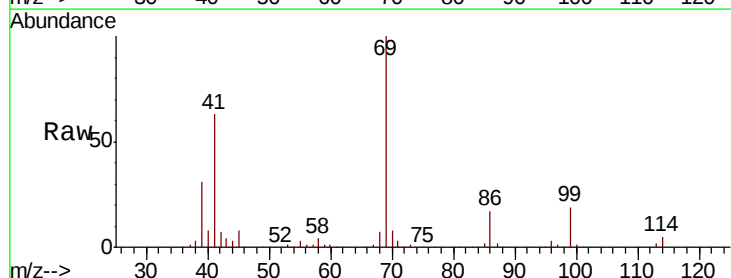
RT: 9.18 min Scan# 1317

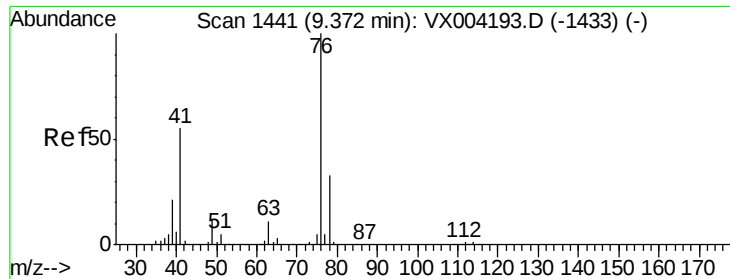
Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Tgt Ion:	69	Resp:	93999
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.0	76.4
39	30.8	26.1	39.1





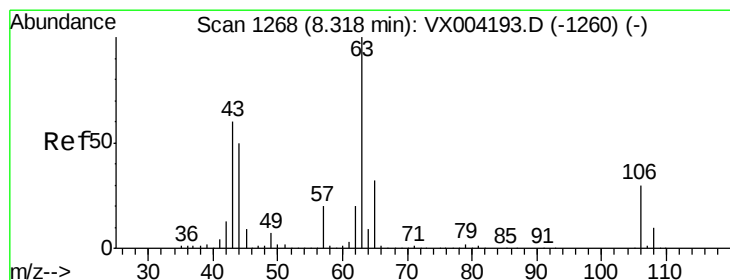
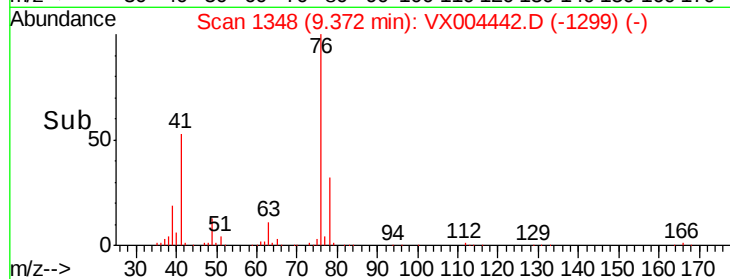
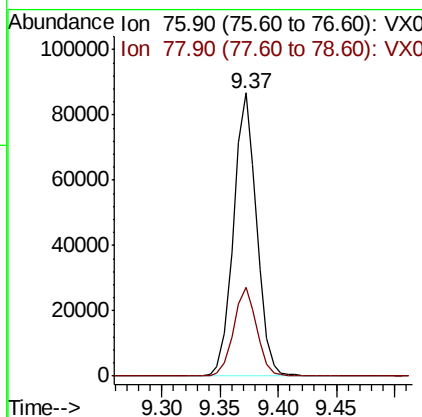
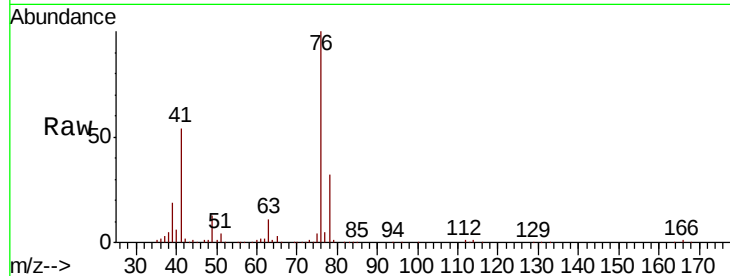
#57
 1,3-Dichloropropane
 Concen: 21.02 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBS01

Tot Ion: 76 Resp: 119758
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3

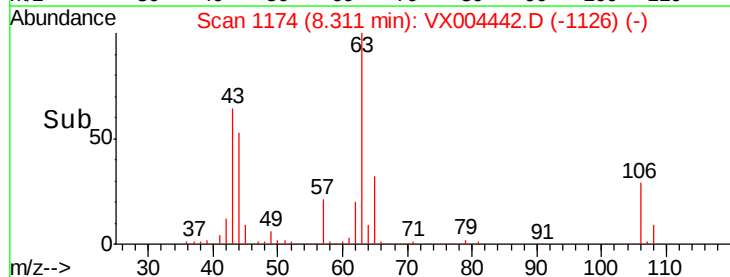
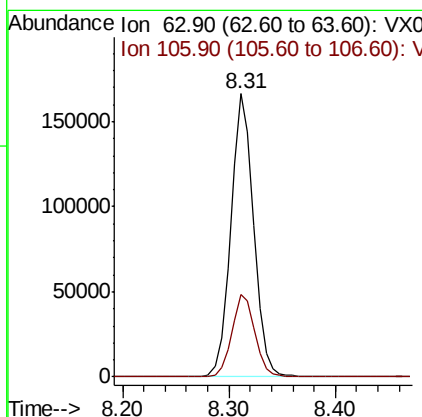
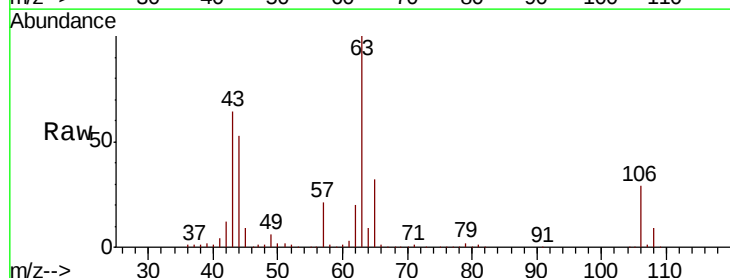
Manual Integrations
 APPROVED

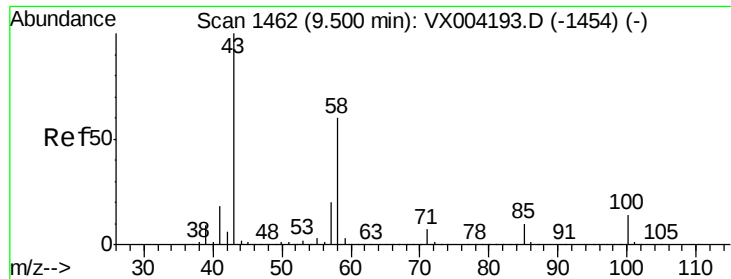
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.08 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion: 63 Resp: 250048
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.9 35.9





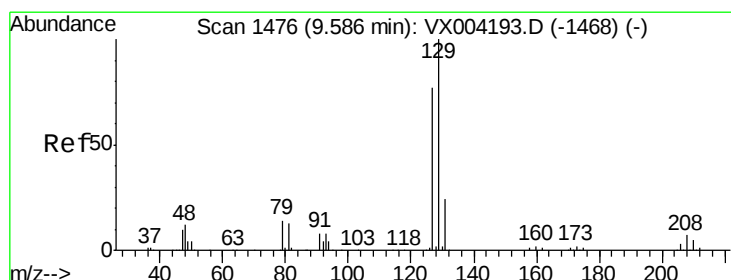
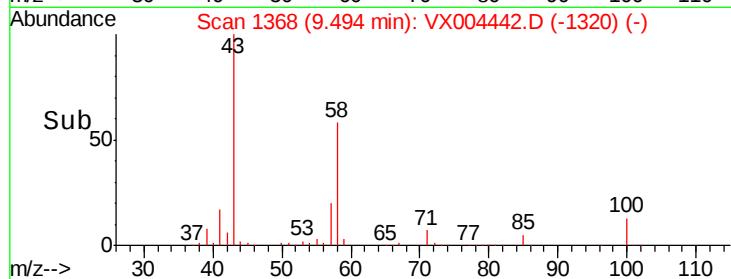
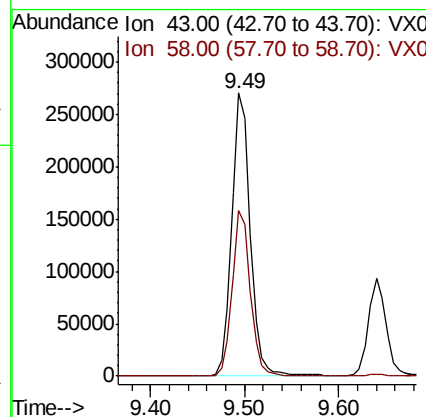
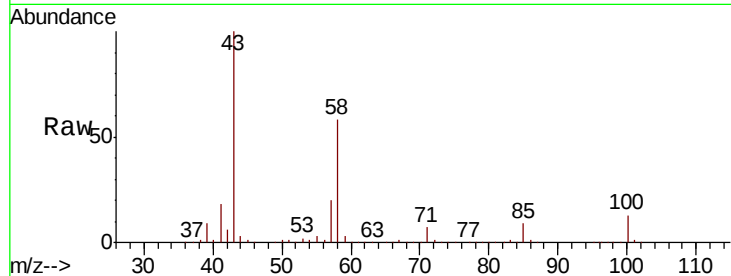
#59
2-Hexanone
Concen: 98.45 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion: 43 Resp: 369098
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.0

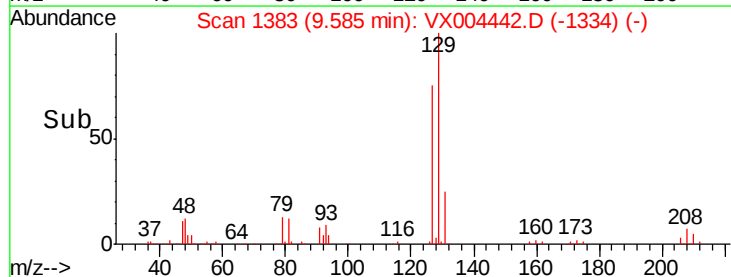
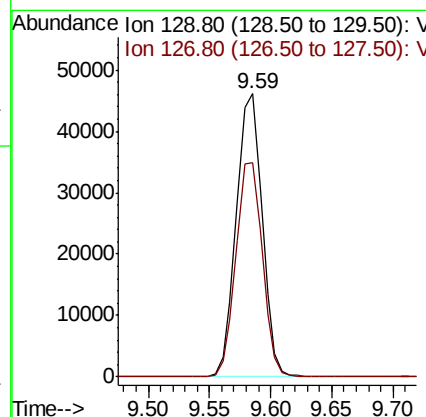
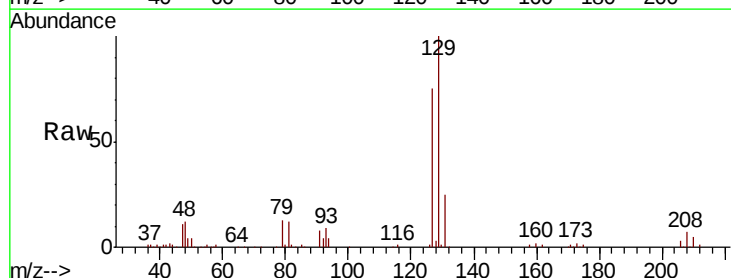
Manual Integrations
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#60
Dibromochloromethane
Concen: 20.53 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion: 129 Resp: 67603
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.42 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBS01

Tot Ion:107 Resp: 71403

Ion Ratio Lower Upper

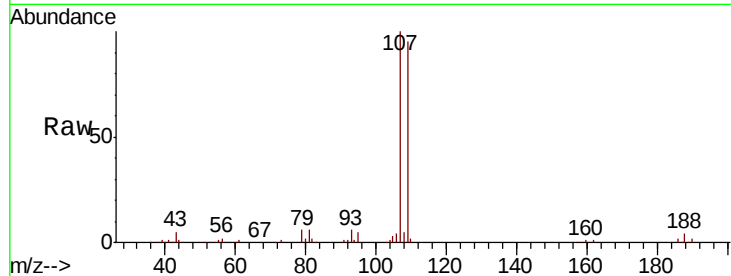
107 100

109 94.2 76.0 114.0

Manual Integrations
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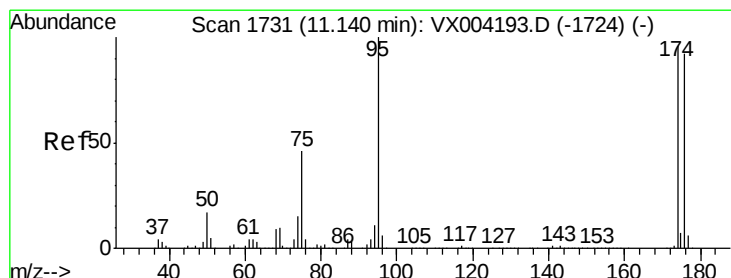
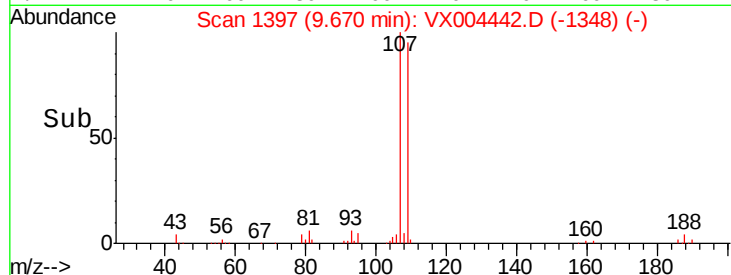
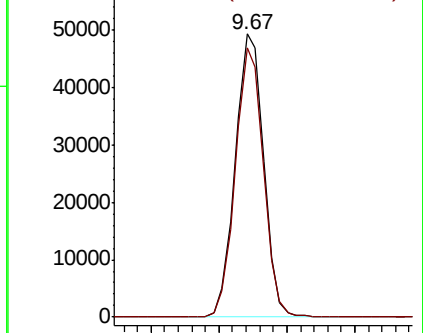
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.14 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

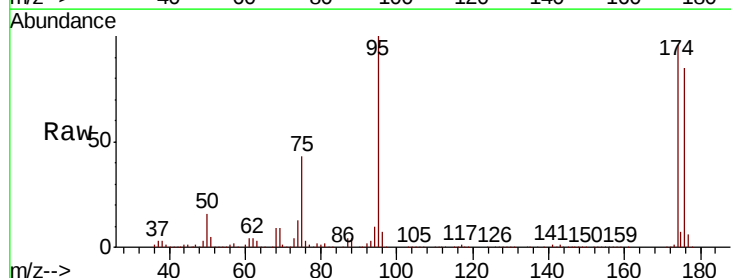
Tgt Ion: 95 Resp: 192460

Ion Ratio Lower Upper

95 100

174 94.8 0.0 185.2

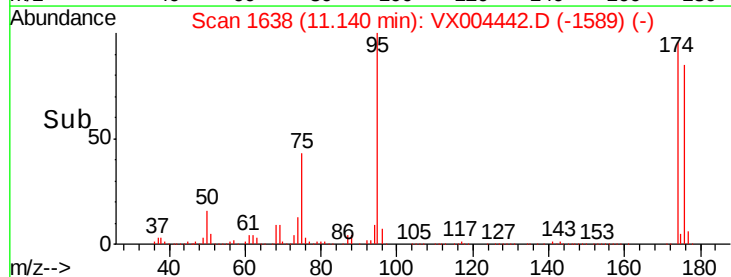
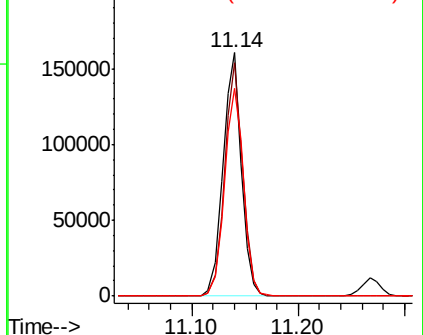
176 88.7 0.0 178.6

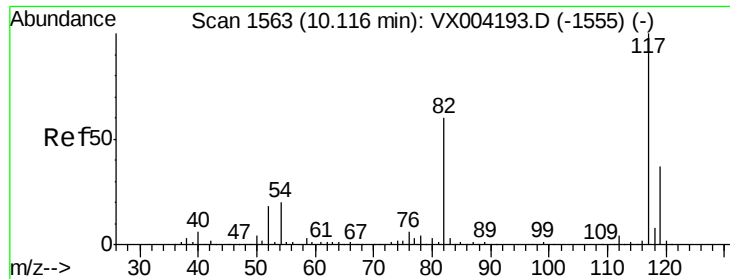


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





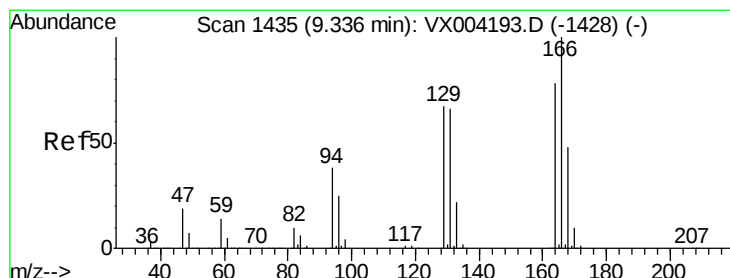
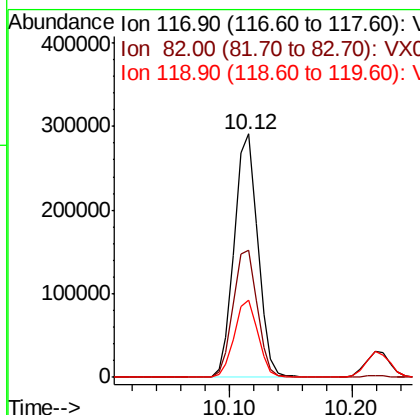
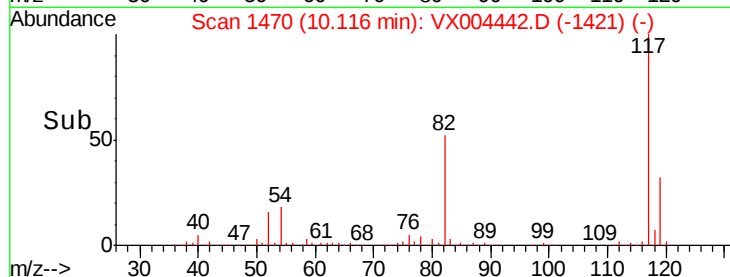
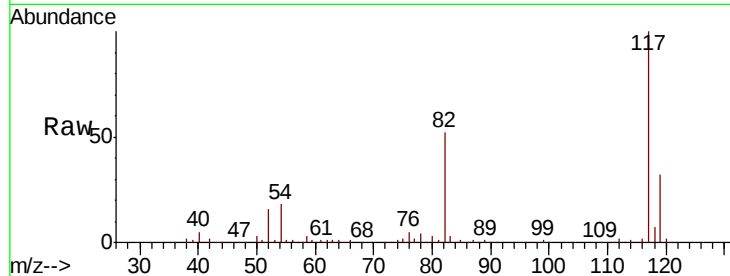
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	47.8	71.6
119	31.8	29.3	43.9

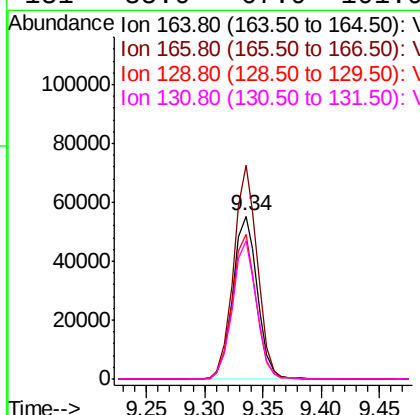
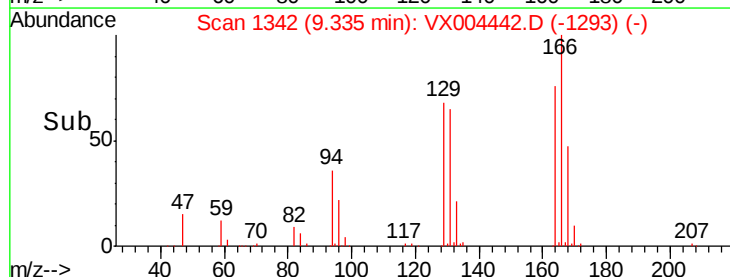
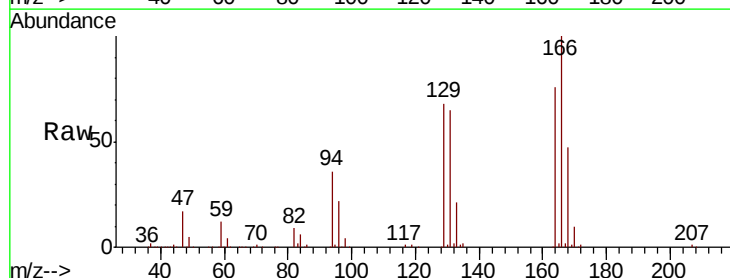
Manual Integrations
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#64
Tetrachloroethene
Concen: 21.11 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	102.8	154.2
129	88.9	69.4	104.0
131	85.0	67.9	101.9





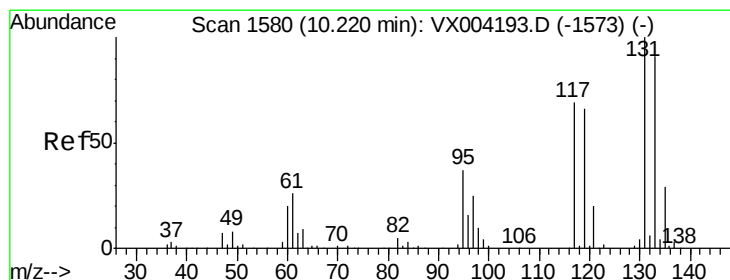
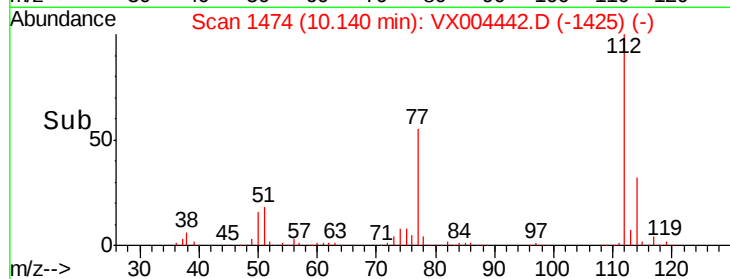
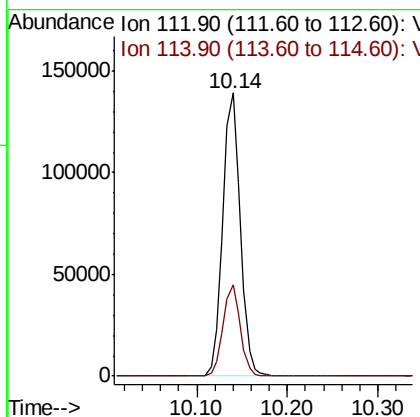
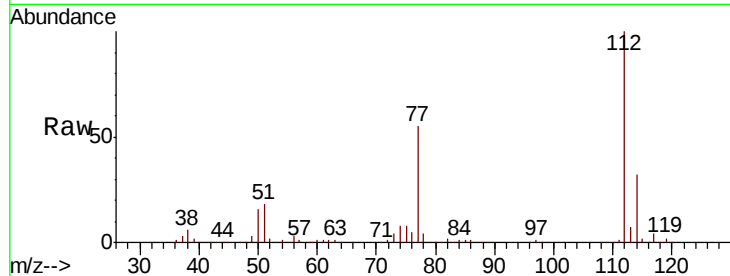
#65
Chlorobenzene
Concen: 19.38 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampled :
VX0910WBS01

Tot Ion:112 Resp: 188434
Ion Ratio Lower Upper
112 100
114 32.3 27.8 41.8

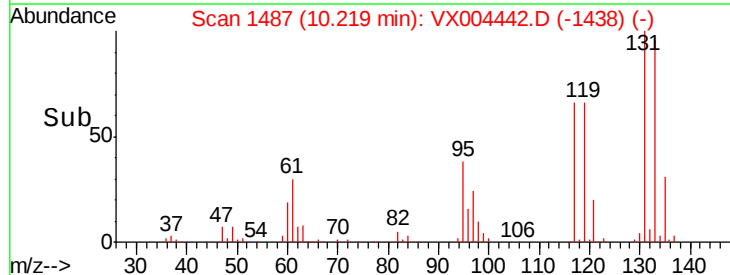
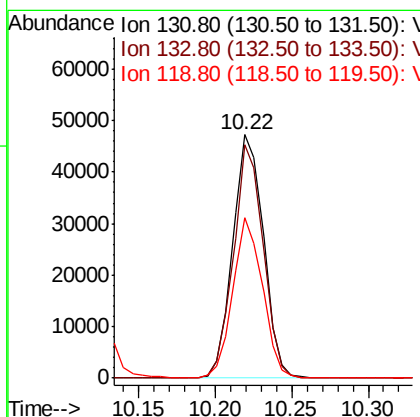
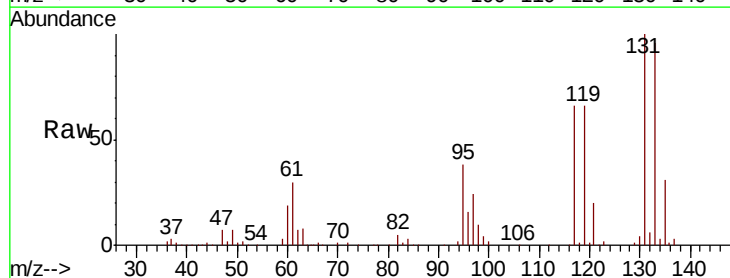
Manual Integrations
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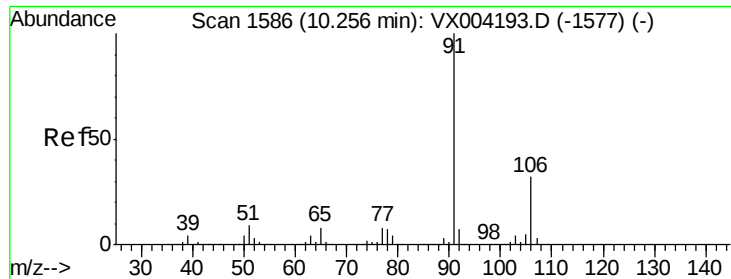
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.57 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion:131 Resp: 65633
Ion Ratio Lower Upper
131 100
133 93.4 48.1 144.4
119 64.1 32.9 98.6





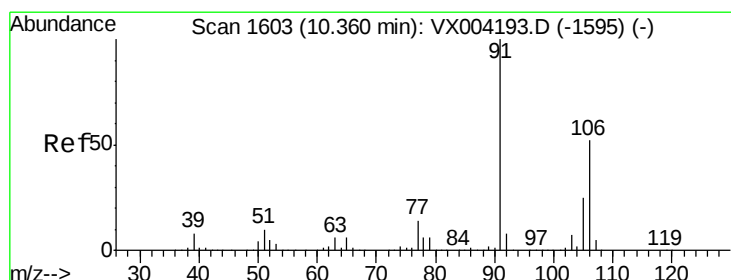
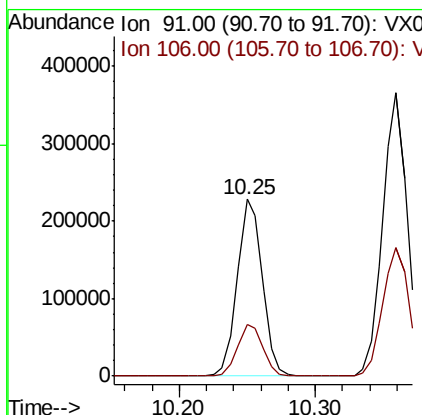
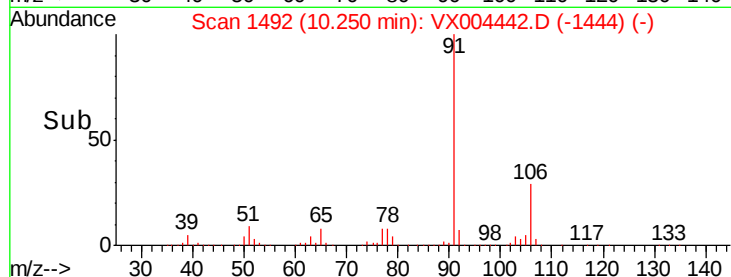
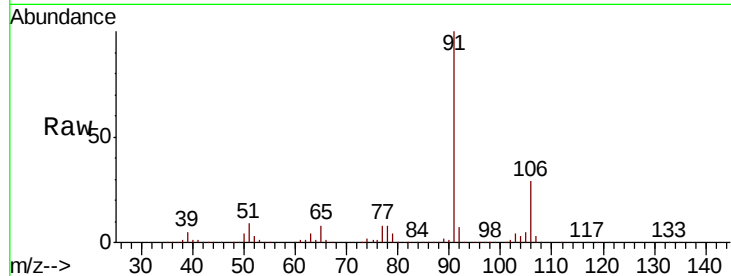
#67
Ethyl Benzene
Concen: 18.57 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampled :
VX0910WBS01

Tot Ion: 91 Resp: 293162
Ion Ratio Lower Upper
91 100
106 29.4 25.9 38.9

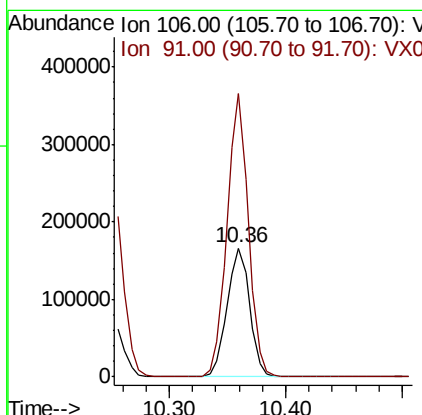
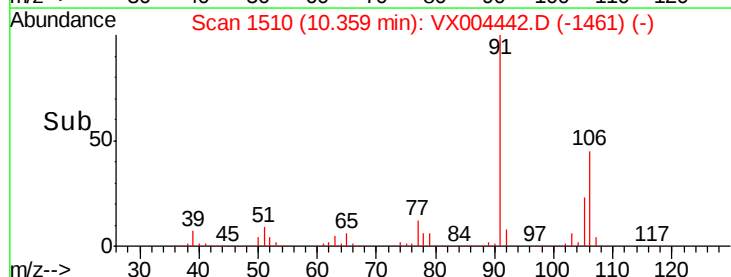
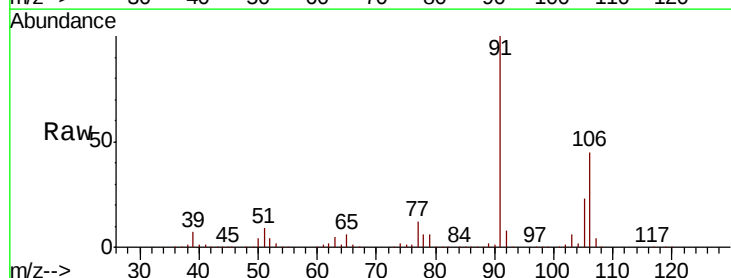
Manual Integrations
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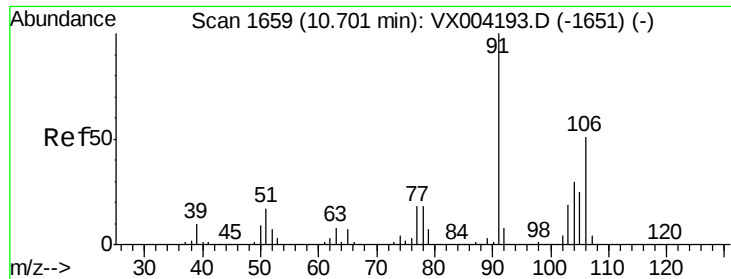
MMDadoda
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#68
m/p-Xylenes
Concen: 36.13 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion: 106 Resp: 223041
Ion Ratio Lower Upper
106 100
91 208.3 157.1 235.7





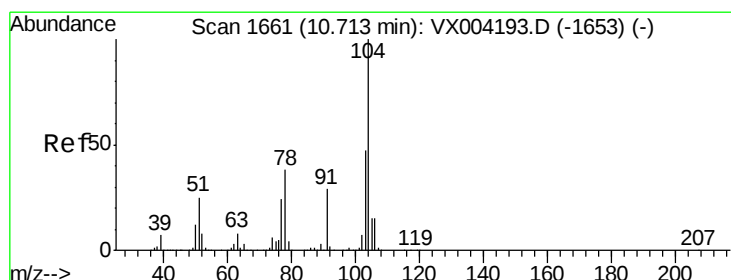
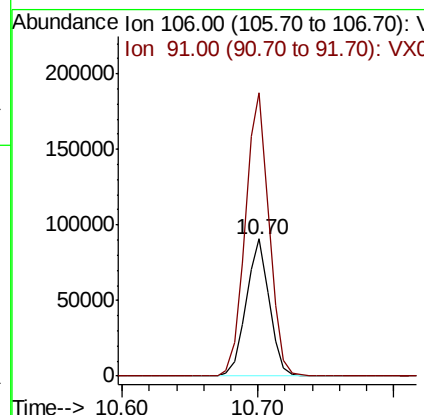
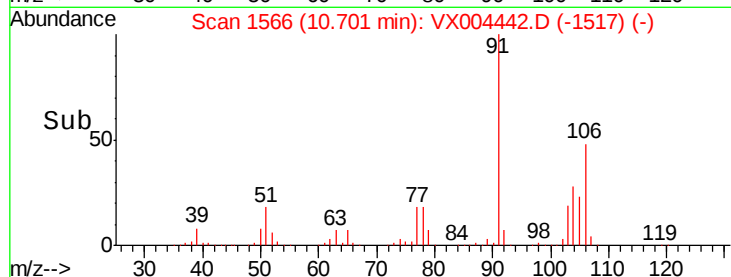
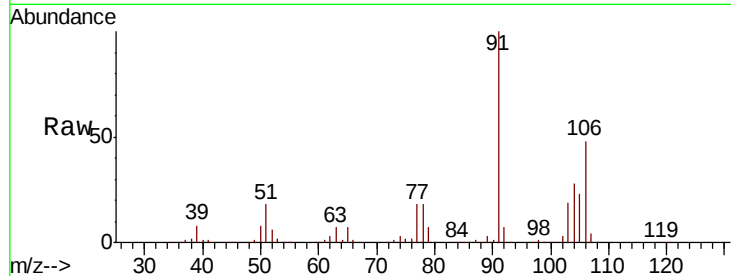
#69
o-Xylene
Concen: 18.40 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampled :
VX0910WBS01

Tot Ion:106 Resp: 107472
Ion Ratio Lower Upper
106 100
91 212.1 105.1 315.1

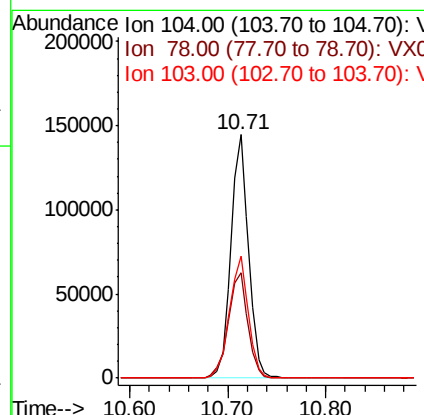
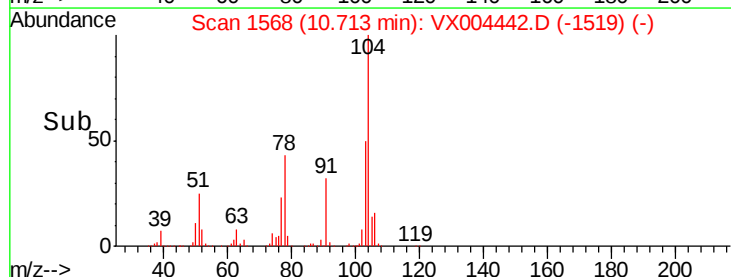
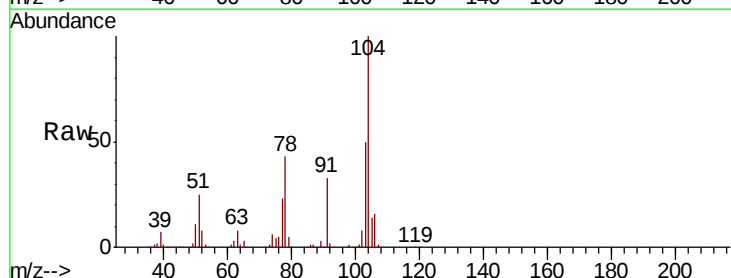
Manual Integrations
APPROVED

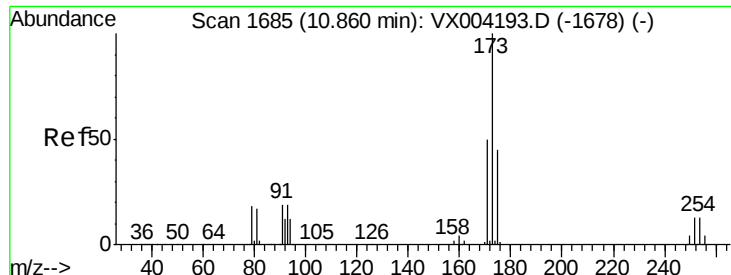
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#70
Styrene
Concen: 19.12 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion:104 Resp: 180823
Ion Ratio Lower Upper
104 100
78 48.0 37.4 56.0
103 54.1 43.8 65.6





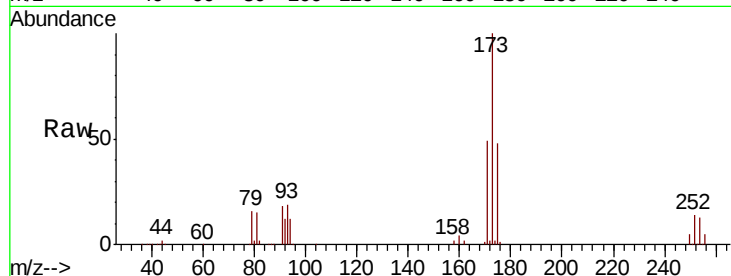
#71
Bromoform
Concen: 18.09 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.3
254	0.2	0.2	0.2

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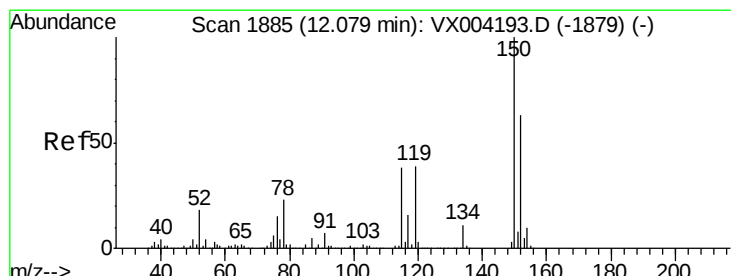
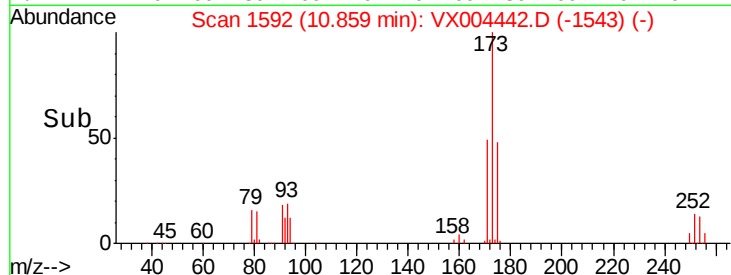
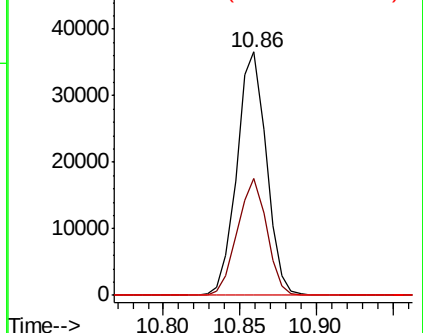


Abundance

Ion 172.70 (172.40 to 173.40): V

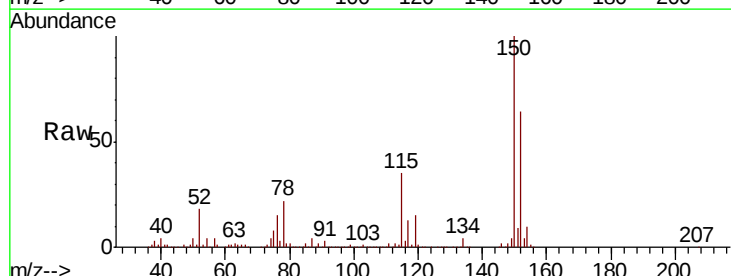
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	39.0	117.0
150	164.0	0.0	351.0

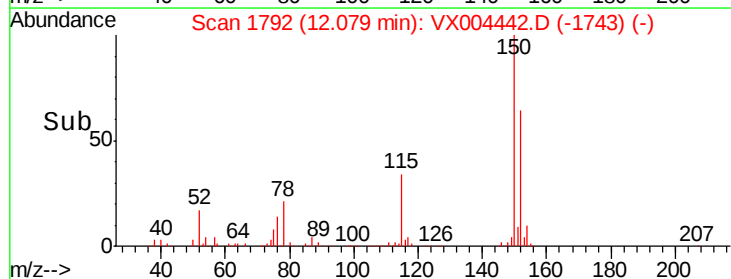
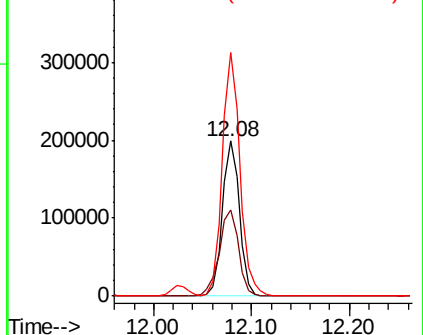


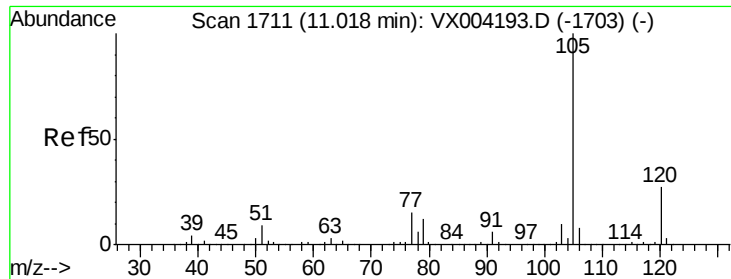
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.89 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBS01

Tot Ion: 105 Resp: 296185

Ion Ratio Lower Upper

105 100

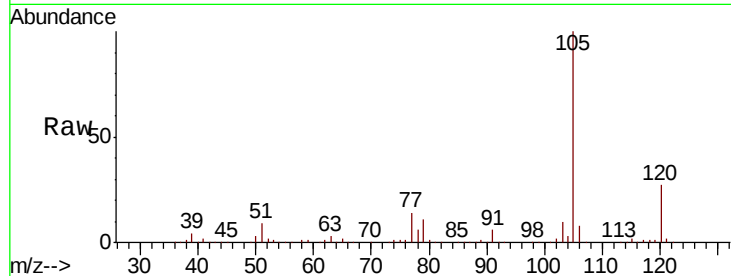
120 26.6 13.5 40.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

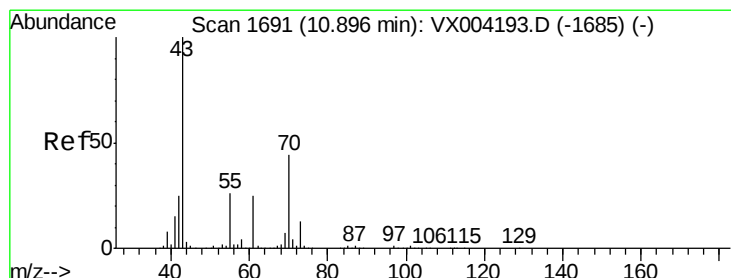
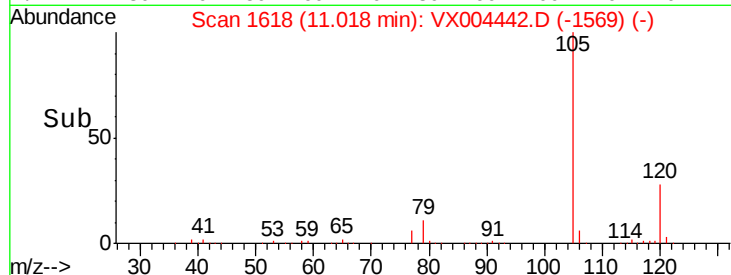
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 18.28 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Tgt Ion: 43 Resp: 110320

Ion Ratio Lower Upper

43 100

70 46.4 37.4 56.0

55 29.4 21.8 32.8

61 24.7 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

50000

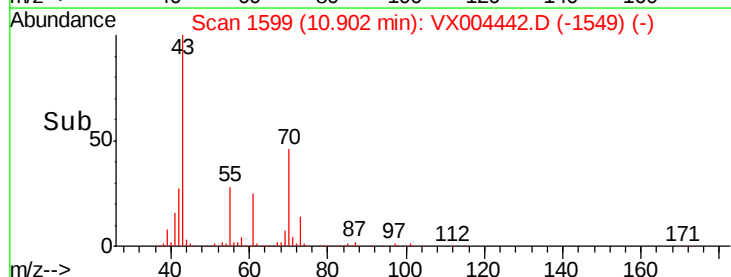
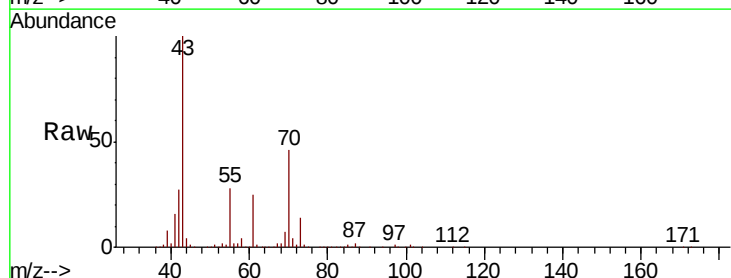
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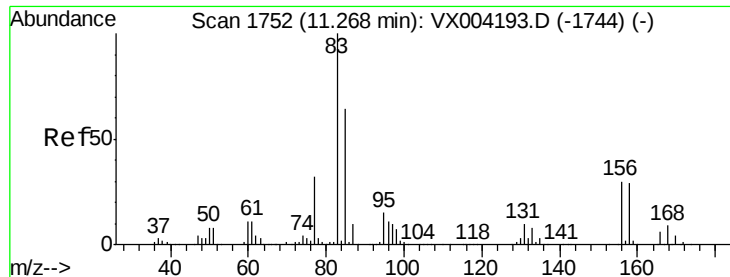
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.56 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

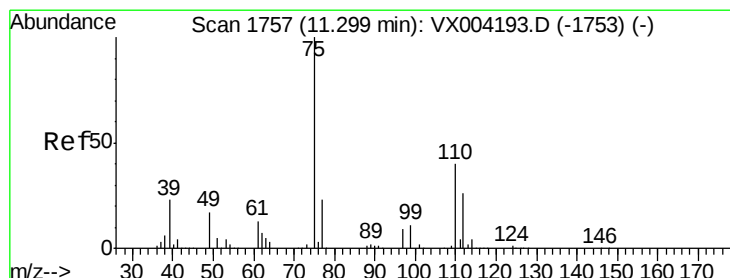
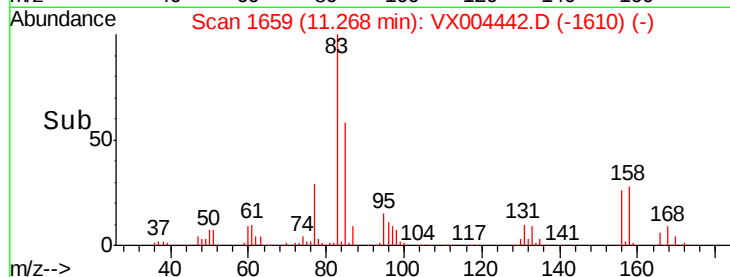
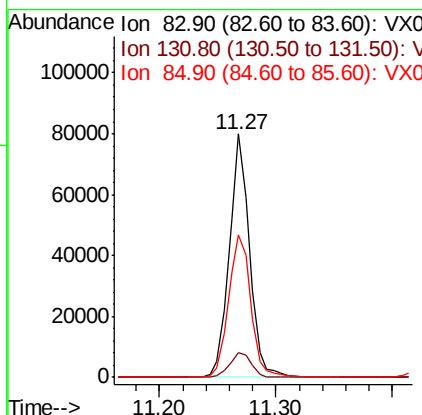
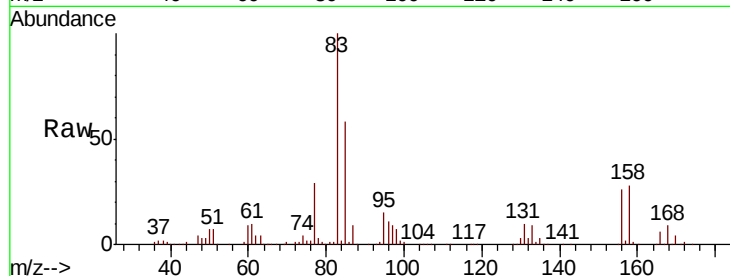
ClientSampleId :

VX0910WBS01

Tot Ion:	83	Resp:	96357
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.2	15.6
85	64.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.75 ug/l m

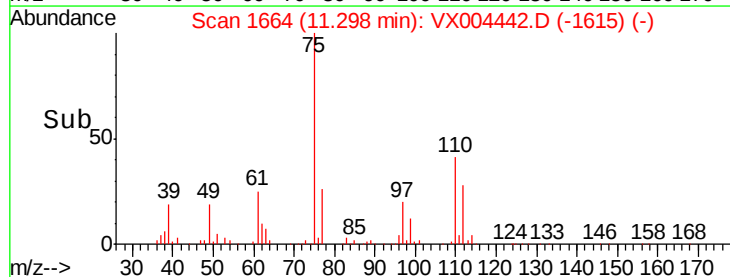
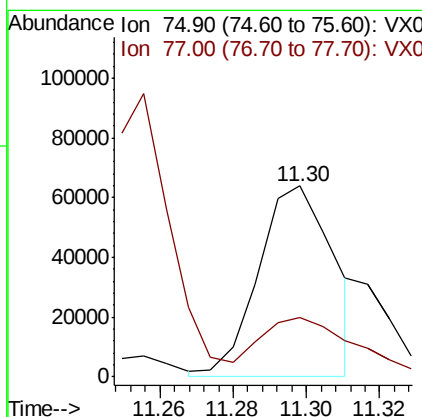
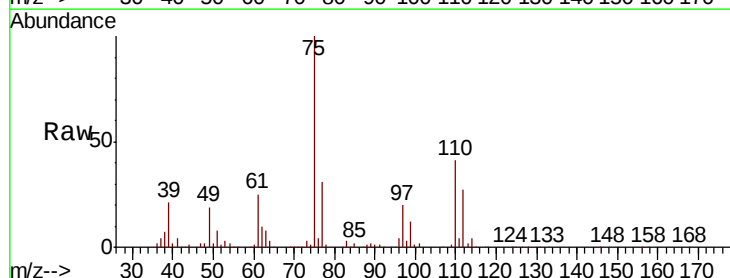
RT: 11.30 min Scan# 1664

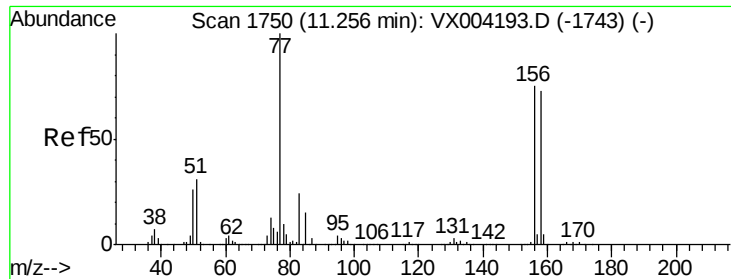
Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Tgt Ion:	75	Resp:	91036
Ion Ratio	Lower	Upper	
75	100		
77	39.0	20.2	60.6





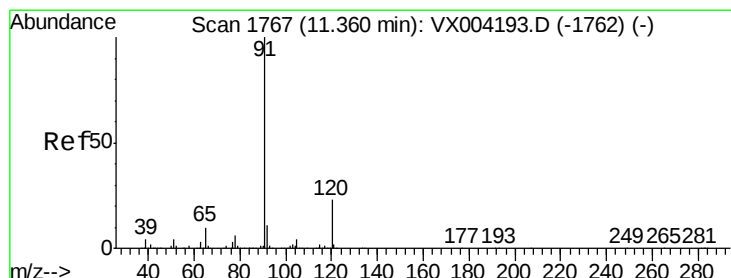
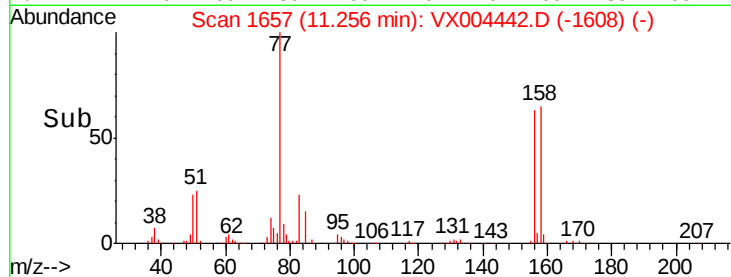
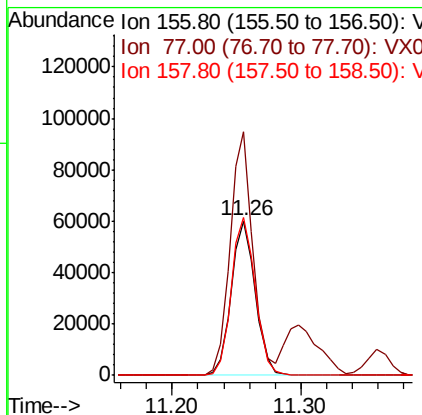
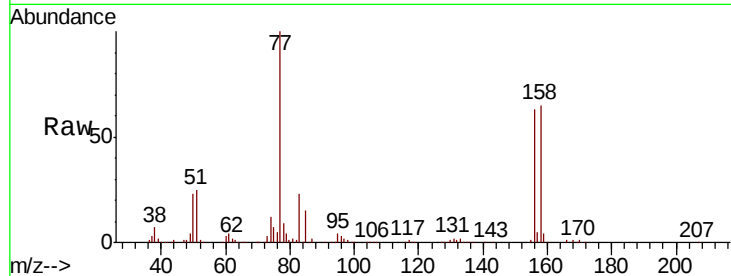
#77
Bromobenzene
Concen: 17.79 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.6	71.5	214.3
158	102.1	48.9	146.8

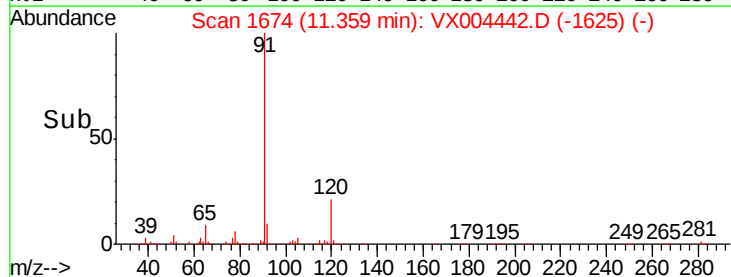
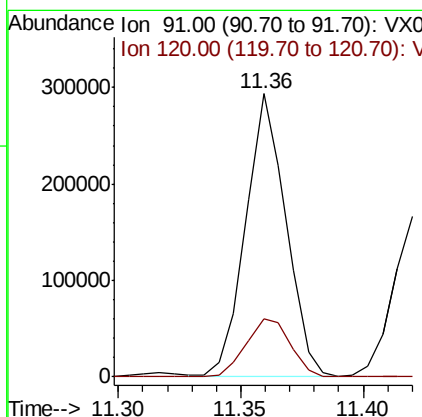
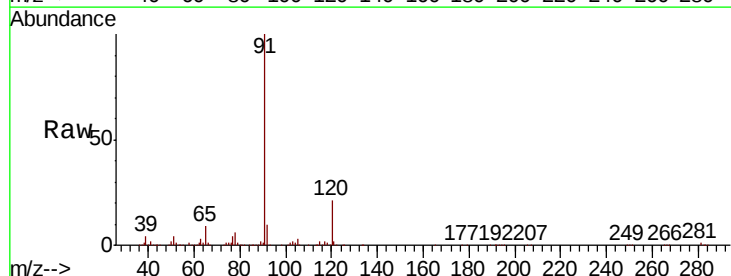
Manual Integrations
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#78
n-propylbenzene
Concen: 18.43 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 17.80 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBS01

Tot Ion: 91 Resp: 197585

Ion Ratio Lower Upper

91 100

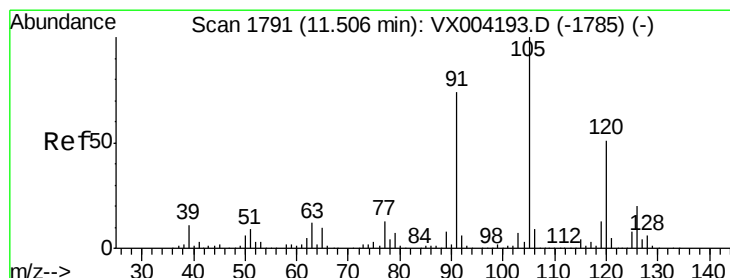
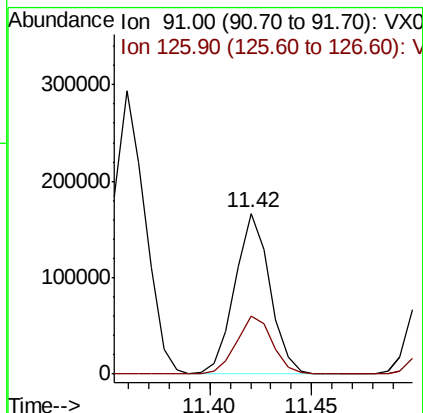
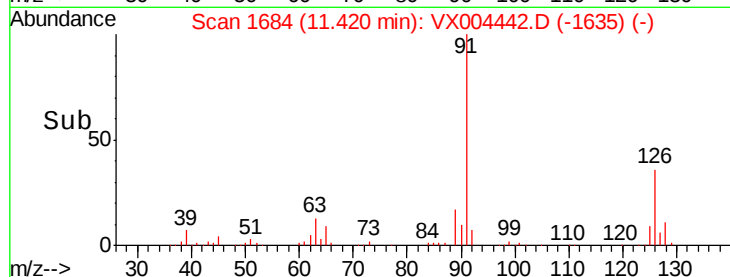
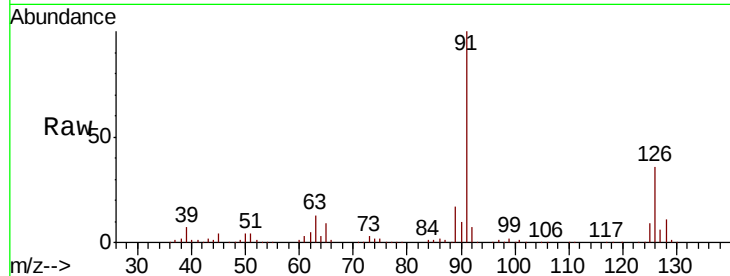
126 37.1 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.82 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004442.D

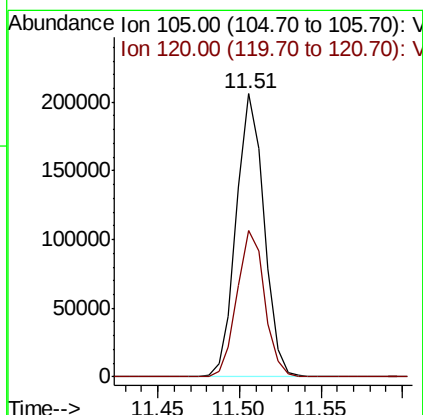
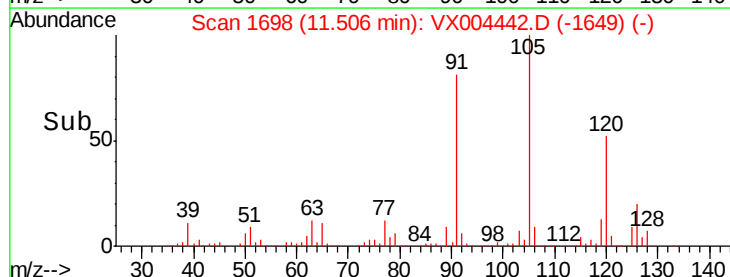
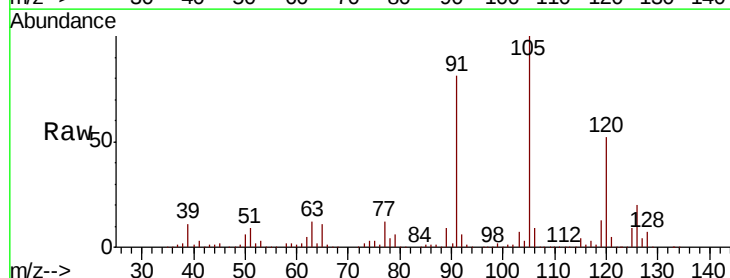
Acq: 10 Sep 2018 12:08

Tgt Ion: 105 Resp: 244329

Ion Ratio Lower Upper

105 100

120 51.6 25.6 76.8





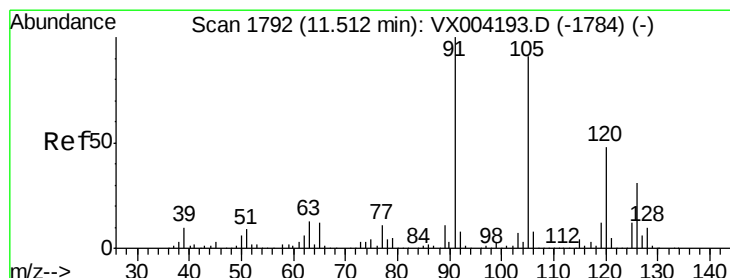
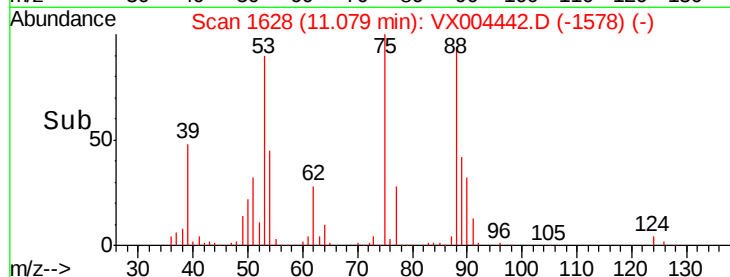
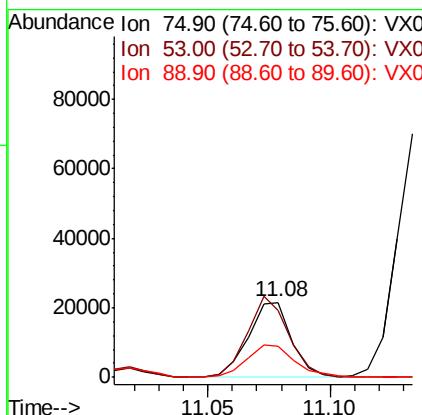
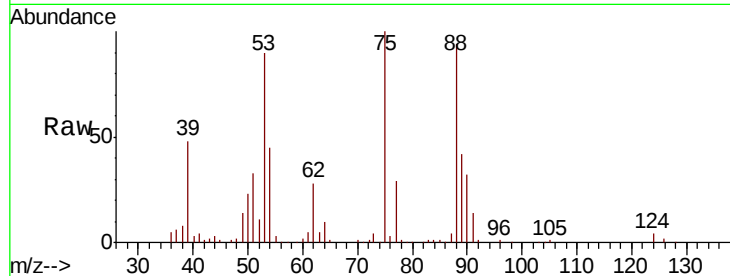
#81
trans-1,4-Dichloro-2-butene
Concen: 17.51 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.0	80.1	120.1
89	49.6	37.2	55.8

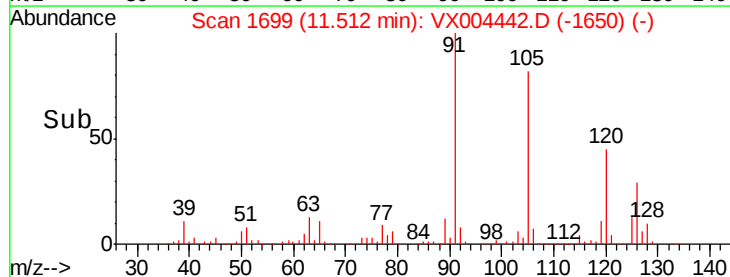
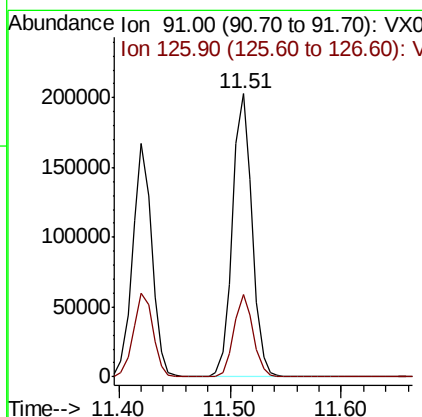
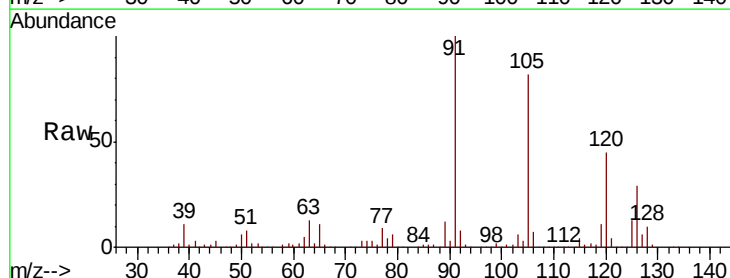
Manual Integrations
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#82
4-Chlorotoluene
Concen: 18.81 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	15.5	46.5





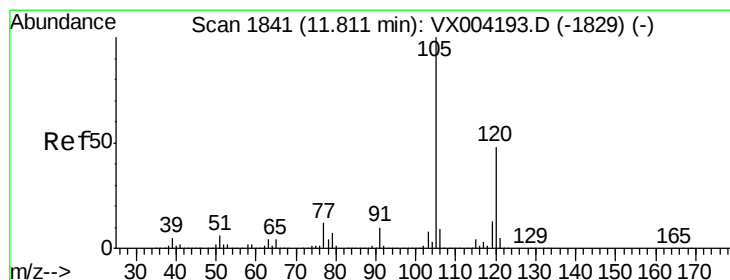
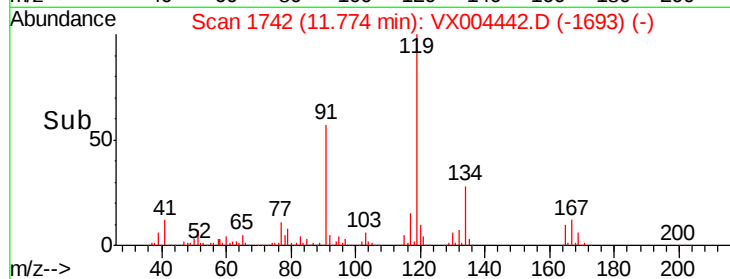
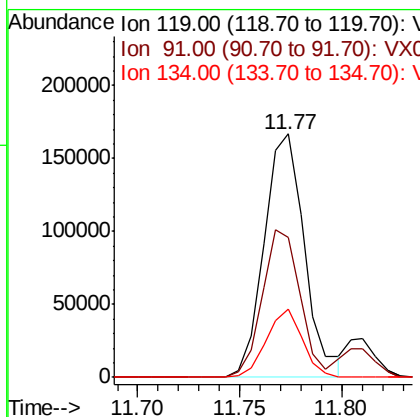
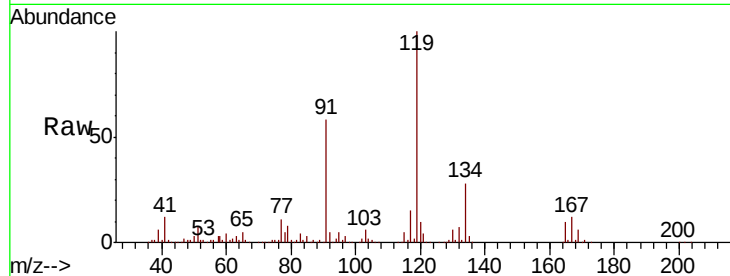
#83
 tert-Butylbenzene
 Concen: 17.66 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampled :
 VX0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	230623		
91	56.7		27.0	81.0
134	25.1		11.7	35.1

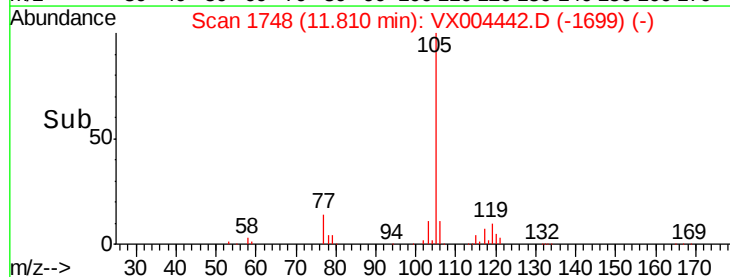
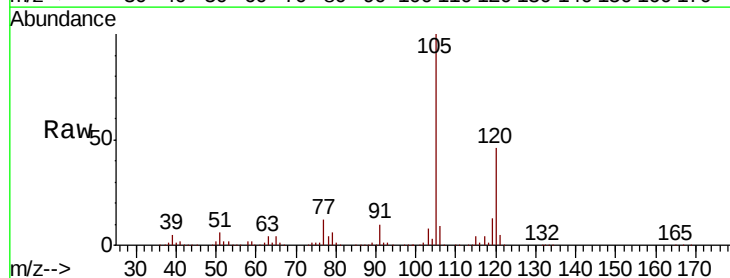
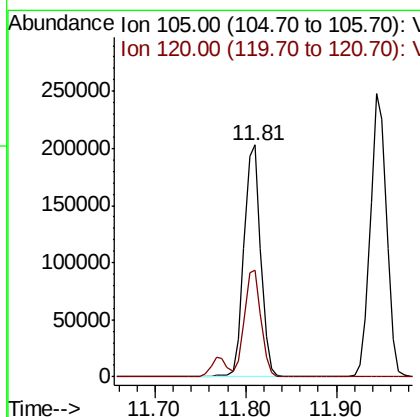
Manual Integrations
 APPROVED

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#84
 1,2,4-Trimethylbenzene
 Concen: 19.52 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	260166		
120	45.5		23.2	69.6





#85

sec-Butylbenzene

Concen: 19.83 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBS01

Tot Ion:105 Resp: 307459

Ion Ratio Lower Upper

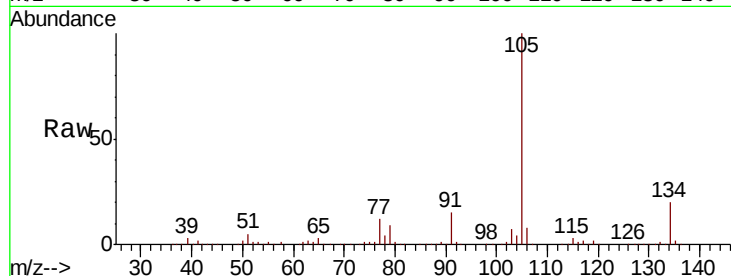
105 100

134 20.5 10.5 31.5

Manual Integrations
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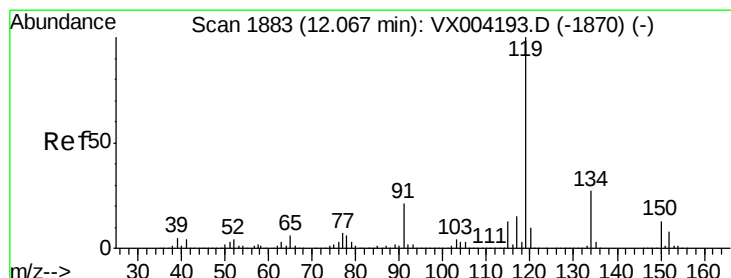
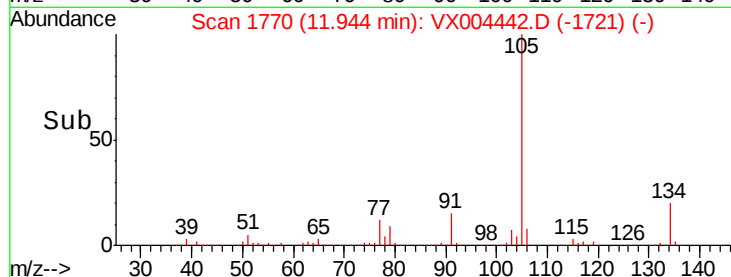
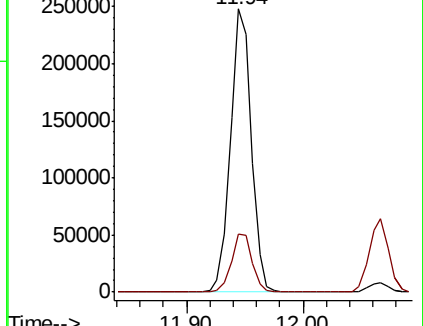
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.39 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004442.D

Acq: 10 Sep 2018 12:08

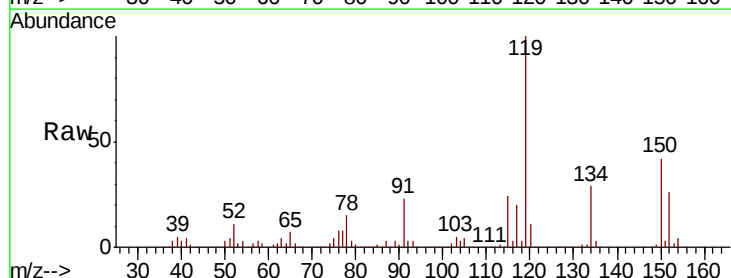
Tgt Ion:119 Resp: 269433

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

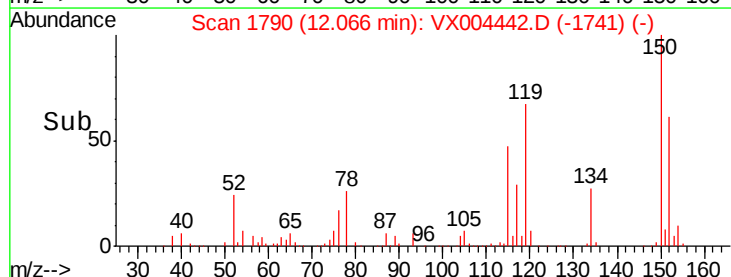
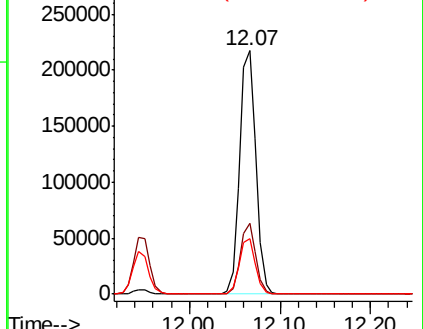
91 22.5 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





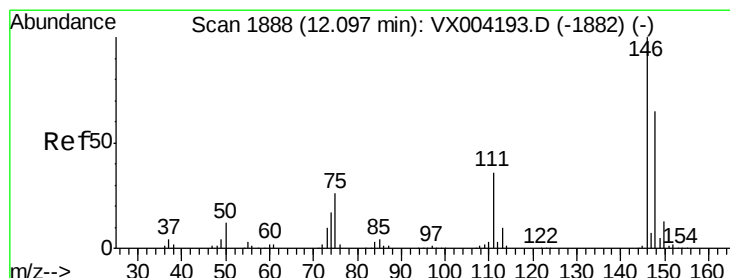
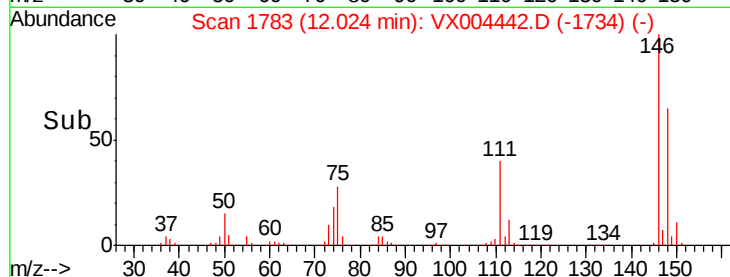
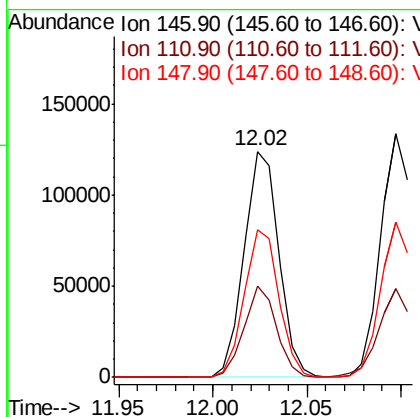
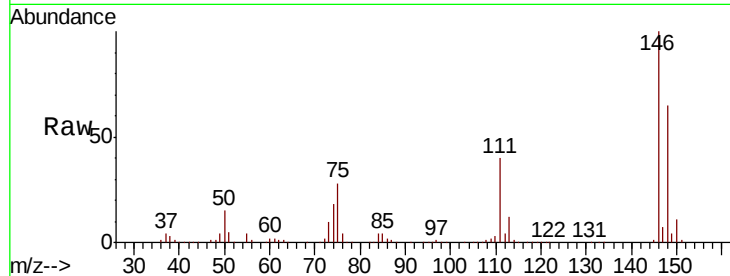
#87
 1,3-Dichlorobenzene
 Concen: 19.22 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	65.1	32.1	96.5

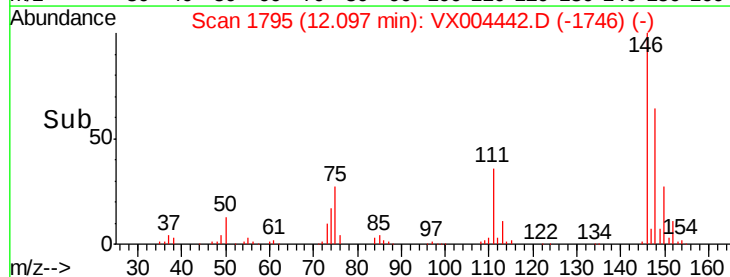
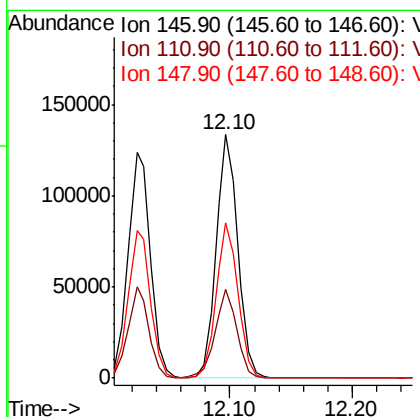
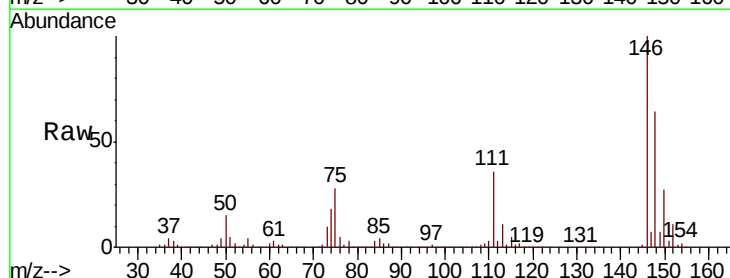
Manual Integrations
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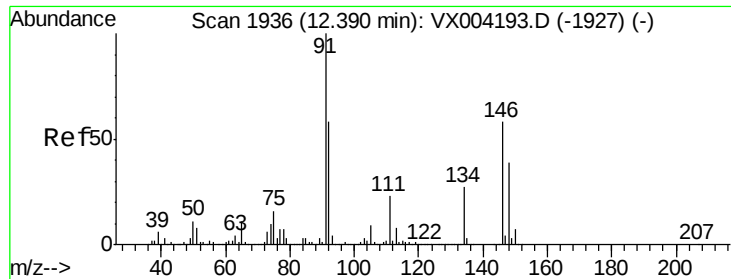
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#88
 1,4-Dichlorobenzene
 Concen: 18.90 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	64.3	32.0	96.0





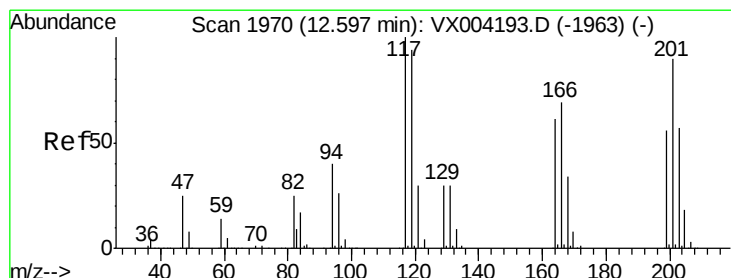
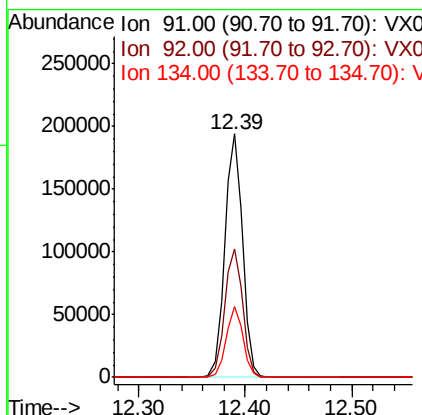
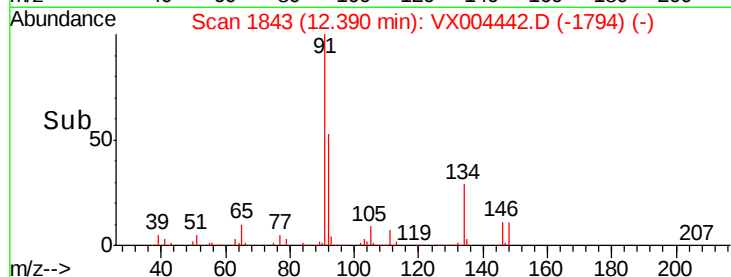
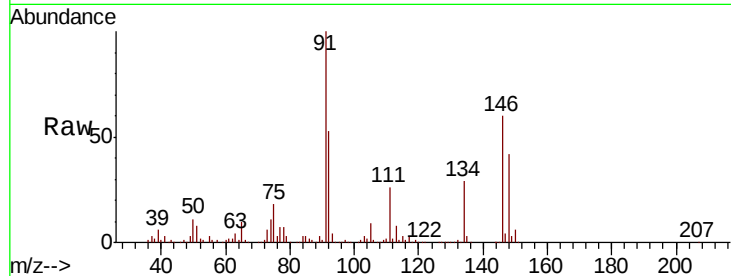
#89
n-Butylbenzene
Concen: 20.03 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampled :
VX0910WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.3	81.9
134	27.5	13.6	40.7

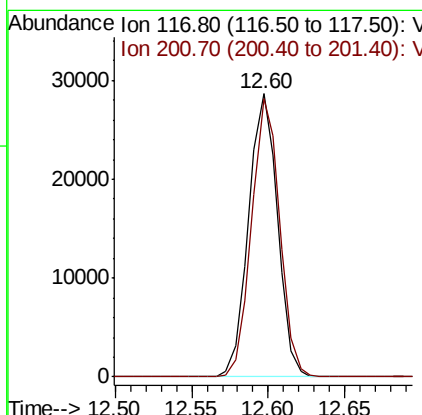
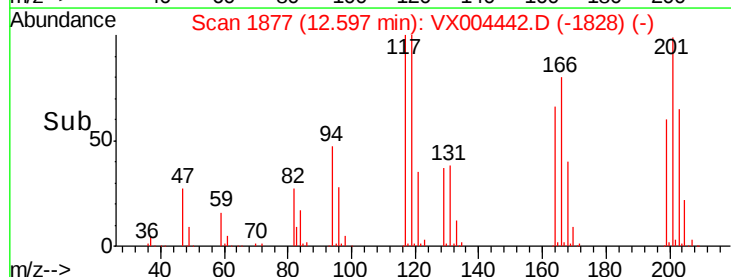
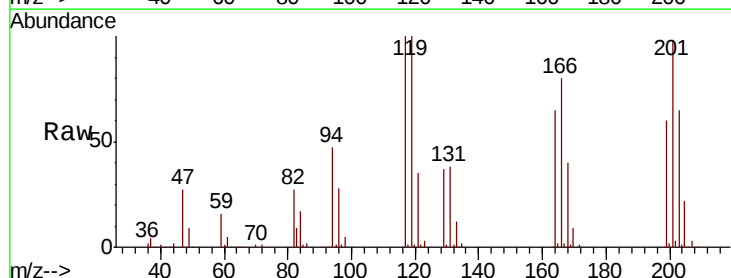
Manual Integrations
APPROVED

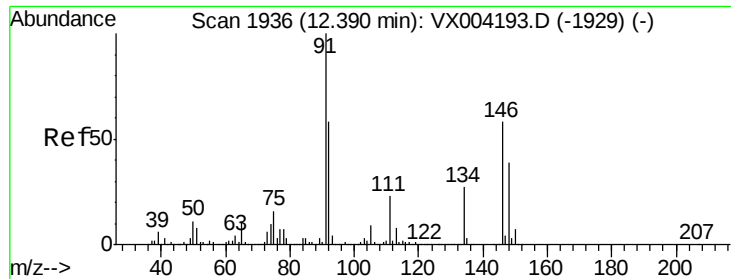
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#90
Hexachloroethane
Concen: 19.37 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.6	46.9	140.6





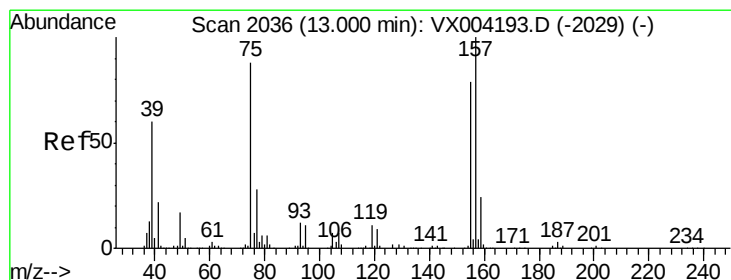
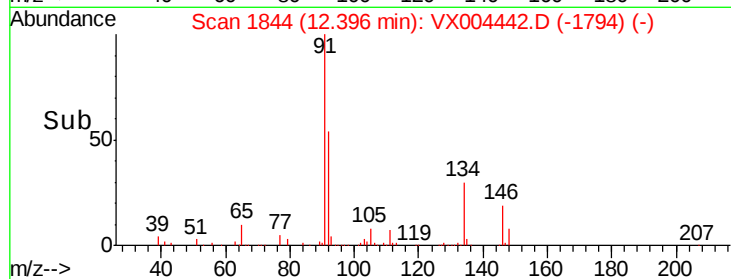
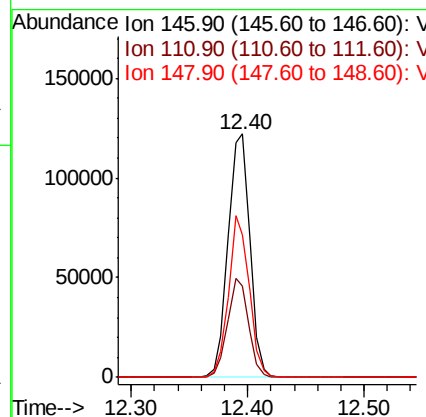
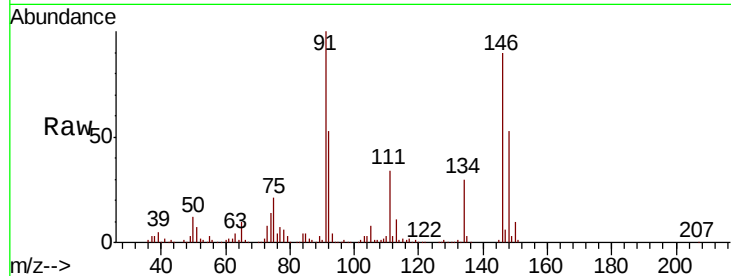
#91
 1,2-Dichlorobenzene
 Concen: 20.86 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	62.3	32.8	98.3

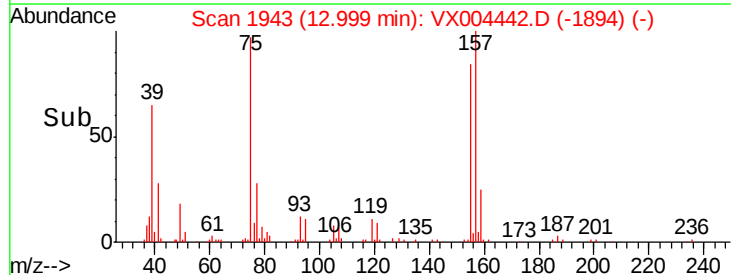
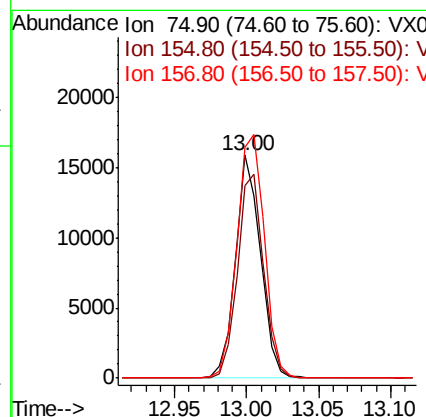
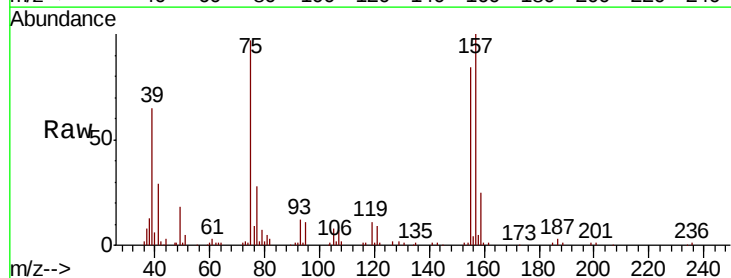
Manual Integrations
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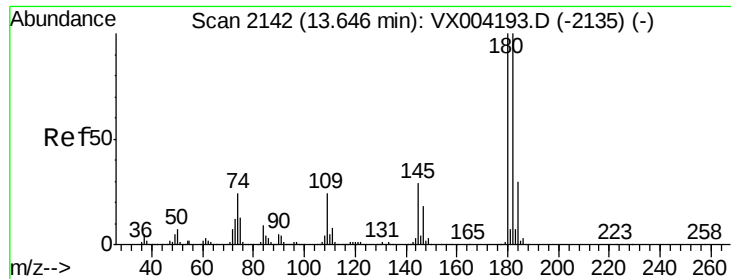
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.20 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	48.0	144.2
157	118.9	61.4	184.1





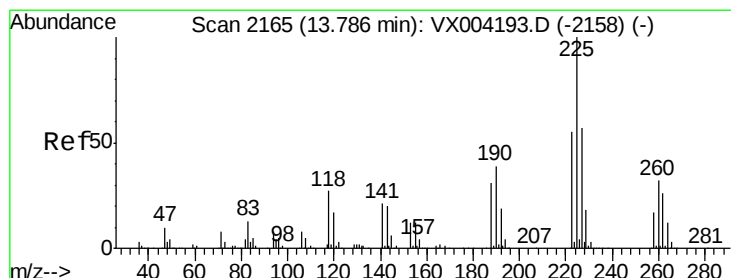
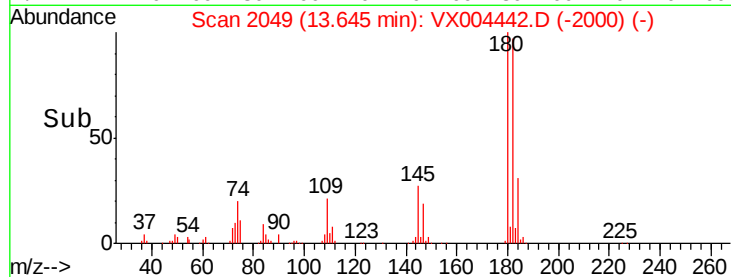
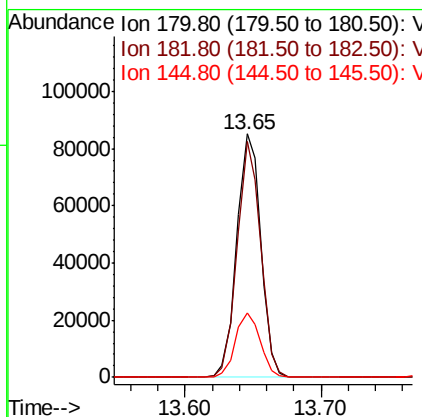
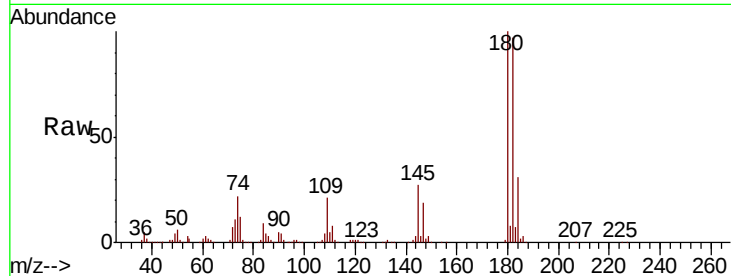
#93
 1,2,4-Trichlorobenzene
 Concen: 18.92 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Instrument :
 MSVOA_X
 ClientSampled :
 VX0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104180		
182	94.5	48.4	145.0	
145	27.5	14.3	42.9	

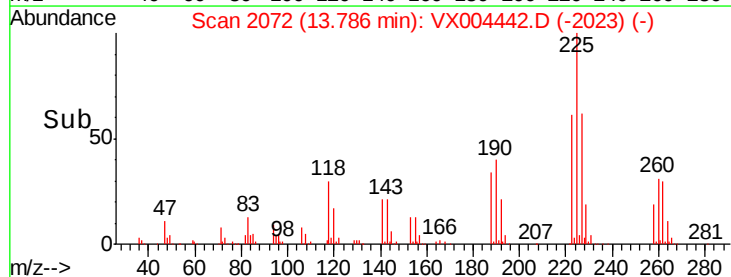
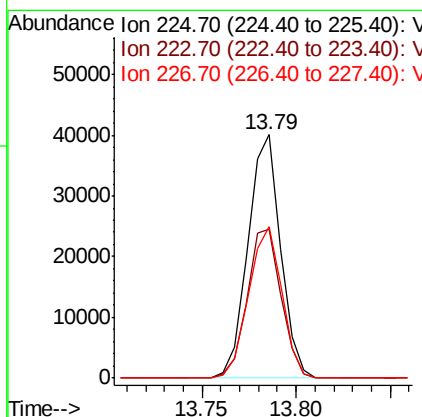
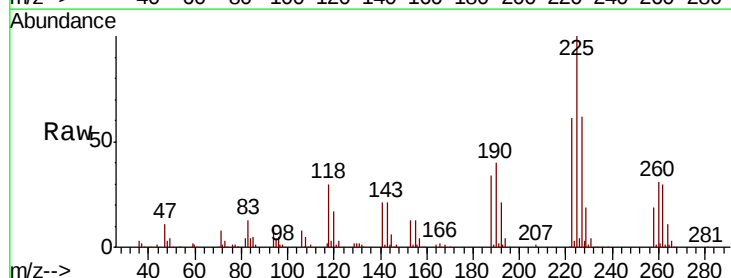
Manual Integrations
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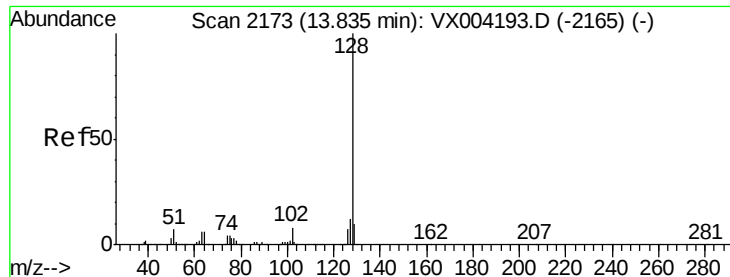
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#94
 Hexachlorobutadiene
 Concen: 18.60 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004442.D
 Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47869		
223	64.3	30.1	90.5	
227	63.5	30.8	92.4	





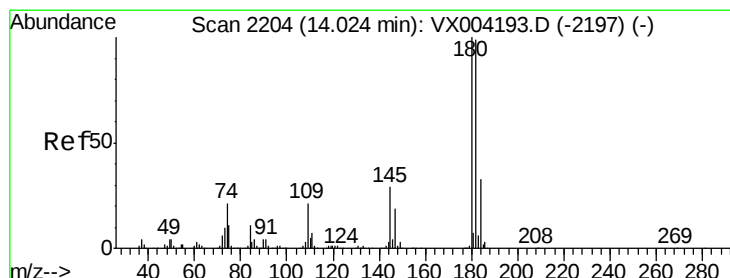
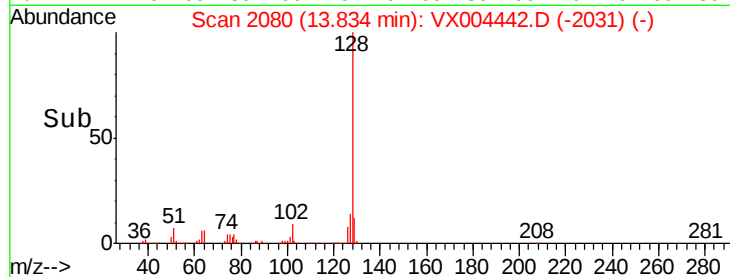
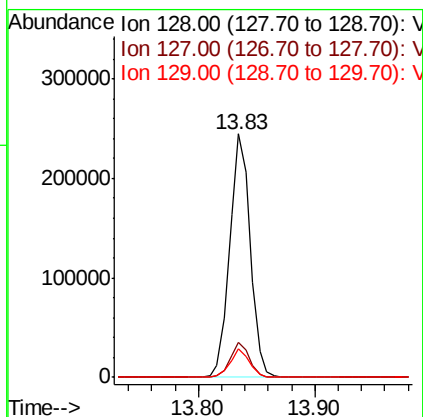
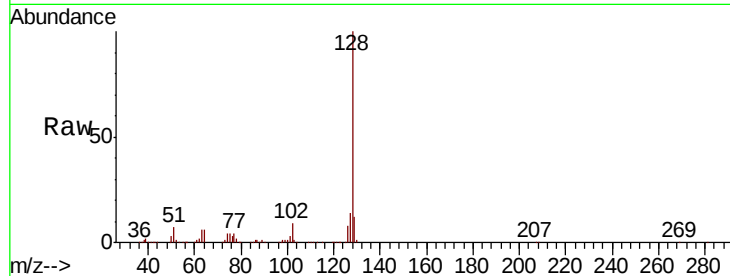
#95
Naphthalene
Concen: 19.21 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	299163		
127	13.4	10.2	15.2	
129	11.1	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/11/2018 3:06:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.30 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004442.D
Acq: 10 Sep 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	112508		
182	97.5	48.5	145.6	
145	28.8	14.9	44.9	

