

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004861.D
 Acq On : 01 Oct 2018 11:00
 Operator : JC/MD
 Sample : VX1001WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/4/2018 7:07:51 PM

Quant Time: Oct 02 03:58:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	251341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358934	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	163656	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
35) Dibromofluoromethane	5.50	113	133537	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	
50) Toluene-d8	8.71	98	512085	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.14	95	188169	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	73996	21.592	ug/l	96
3) Chloromethane	1.32	50	78295	18.831	ug/l	98
4) Vinyl Chloride	1.40	62	76643	19.654	ug/l	99
5) Bromomethane	1.64	94	46514	20.115	ug/l	99
6) Chloroethane	1.72	64	45615	20.071	ug/l	96
7) Trichlorofluoromethane	1.93	101	99118	20.532	ug/l	92
8) Diethyl Ether	2.19	74	39146	18.665	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	58122	21.136	ug/l	99
10) Methyl Iodide	2.51	142	43167	11.731	ug/l	99
11) Tert butyl alcohol	3.06	59	98518	98.134	ug/l	100
12) 1,1-Dichloroethene	2.37	96	52638	19.328	ug/l	95
13) Acrolein	2.29	56	44701	62.582	ug/l	95
14) Allyl chloride	2.73	41	117318	19.743	ug/l	95
15) Acrylonitrile	3.15	53	207703	93.984	ug/l	98
16) Acetone	2.45	43	207832	99.149	ug/l	96
17) Carbon Disulfide	2.57	76	151538	18.518	ug/l	99
18) Methyl Acetate	2.78	43	108460	20.422	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	189026	20.122	ug/l	97
20) Methylene Chloride	2.85	84	60847	19.452	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	56964	19.108	ug/l	96
22) Diisopropyl ether	3.87	45	196614	19.650	ug/l	91
23) Vinyl Acetate	3.82	43	917483	100.171	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	111989	18.763	ug/l	99
25) 2-Butanone	4.70	43	285443	92.383	ug/l	94
26) 2,2-Dichloropropane	4.58	77	85010	20.453	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	60258	18.093	ug/l	92
28) Bromochloromethane	5.01	49	51314	18.256	ug/l	90
29) Tetrahydrofuran	5.15	42	178866	93.139	ug/l	92
30) Chloroform	5.21	83	103789	18.399	ug/l	98
31) Cyclohexane	5.57	56	93376	20.440	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	89080	19.336	ug/l	99
36) 1,1-Dichloropropene	5.79	75	76046	18.322	ug/l	99
37) Ethyl Acetate	4.85	43	98581	17.894	ug/l	98
38) Carbon Tetrachloride	5.78	117	78251	17.936	ug/l	99

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Manual Integrations
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Quant Time: Oct 02 03:58:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91447	21.578	ug/l	92
40) Benzene	6.14	78	234065	18.014	ug/l	100
41) Methacrylonitrile	5.06	41	55487	18.161	ug/l	95
42) 1,2-Dichloroethane	6.20	62	82679	17.999	ug/l	98
43) Isopropyl Acetate	6.46	43	142728	17.949	ug/l	96
44) Trichloroethene	7.21	130	62797	19.659	ug/l	94
45) 1,2-Dichloropropane	7.51	63	64090	20.113	ug/l	99
46) Dibromomethane	7.66	93	40111	20.030	ug/l	97
47) Bromodichloromethane	7.90	83	76521	20.409	ug/l	97
48) Methyl methacrylate	7.77	41	74857	20.740	ug/l	94
49) 1,4-Dioxane	7.75	88	35172	392.251	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	519328	103.724	ug/l	93
52) Toluene	8.79	92	145583	20.390	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	84302	19.897	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	92721	20.893	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	60214	19.253	ug/l	95
56) Ethyl methacrylate	9.18	69	88390	19.282	ug/l	94
57) 1,3-Dichloropropane	9.37	76	101201	19.442	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	250394	101.867	ug/l	94
59) 2-Hexanone	9.49	43	414556	99.359	ug/l	92
60) Dibromochloromethane	9.59	129	60732	19.417	ug/l	98
61) 1,2-Dibromoethane	9.67	107	61674	18.414	ug/l	99
64) Tetrachloroethene	9.34	164	62842	18.503	ug/l	98
65) Chlorobenzene	10.14	112	163869	18.519	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	57633	18.526	ug/l	99
67) Ethyl Benzene	10.26	91	270666	19.266	ug/l	96
68) m/p-Xylenes	10.36	106	215615	39.275	ug/l	95
69) o-Xylene	10.70	106	101748	20.178	ug/l	98
70) Styrene	10.71	104	169348	19.329	ug/l	97
71) Bromoform	10.86	173	48344	18.152	ug/l	98
73) Isopropylbenzene	11.02	105	277591	20.782	ug/l	99
74) N-amyl acetate	10.90	43	126371	18.359	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	98226	18.065	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	89469m	18.836	ug/l	
77) Bromobenzene	11.26	156	74643	19.239	ug/l	98
78) n-propylbenzene	11.36	91	321433	20.973	ug/l	99
79) 2-Chlorotoluene	11.42	91	192782	20.180	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	236502	19.196	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	27239	17.007	ug/l	99
82) 4-Chlorotoluene	11.51	91	227558	20.238	ug/l	100
83) tert-Butylbenzene	11.77	119	229638	20.881	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	243787	19.187	ug/l	98
85) sec-Butylbenzene	11.94	105	281501	21.015	ug/l	99
86) p-Isopropyltoluene	12.07	119	256377	21.125	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	138871	19.169	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	142965	19.117	ug/l	99
89) n-Butylbenzene	12.39	91	224350	20.355	ug/l	98
90) Hexachloroethane	12.60	117	38166	18.888	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	138623	18.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21848	18.300	ug/l	95

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MSVOA_X
ClientSampleId :
VX1001WBS01

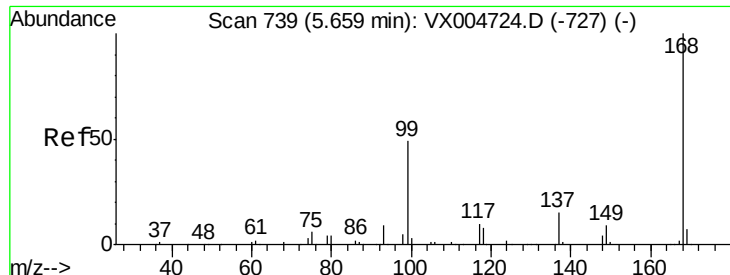
Manual Integrations
APPROVED

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10/4/2018 7:07:51 PM

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Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	102251	19.253	ug/l	100
94) Hexachlorobutadiene	13.78	225	53487	19.422	ug/l	96
95) Naphthalene	13.83	128	310151	18.061	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	105995	19.320	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion:168 Resp: 251341

Ion Ratio Lower Upper

168 100

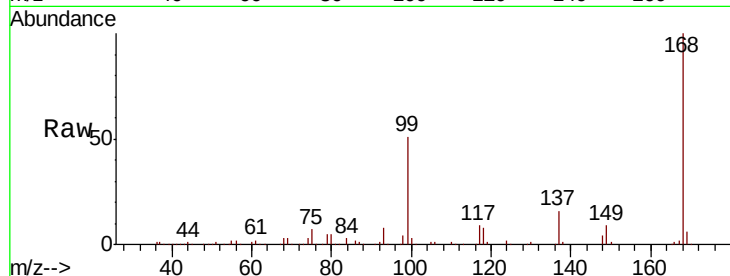
99 51.0 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

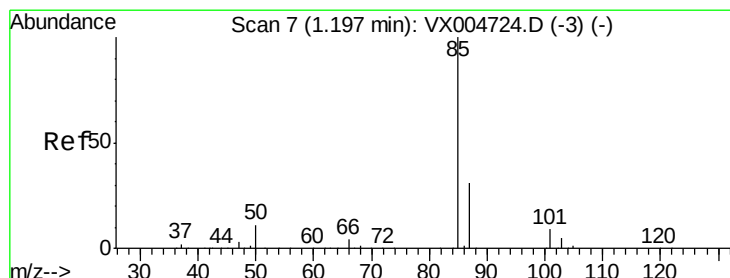
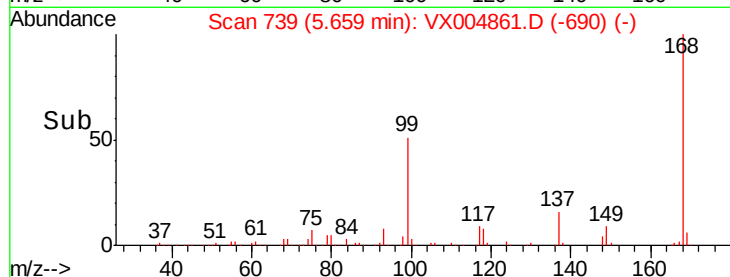
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.592 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004861.D

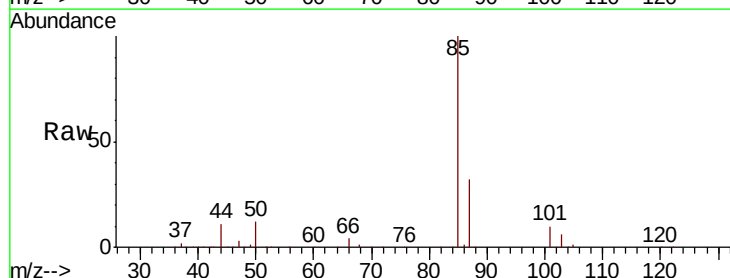
Acq: 01 Oct 2018 11:00

Tgt Ion: 85 Resp: 73996

Ion Ratio Lower Upper

85 100

87 31.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

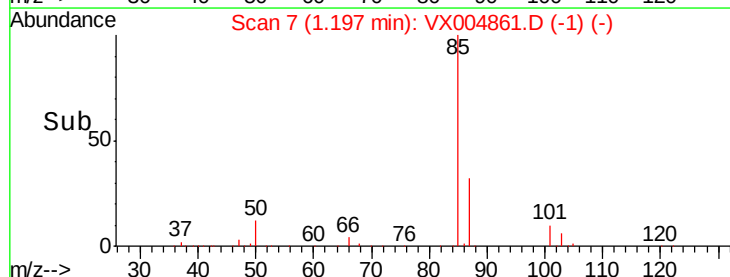
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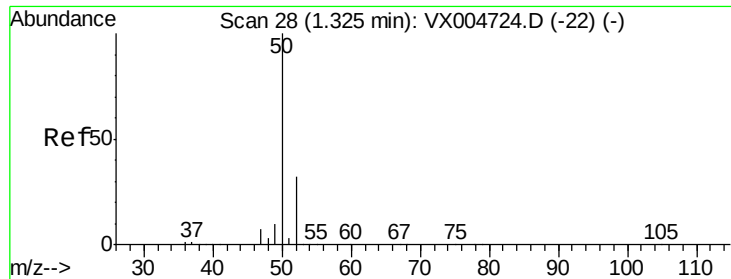
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.831 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion: 50 Resp: 78295

Ion Ratio Lower Upper

50 100

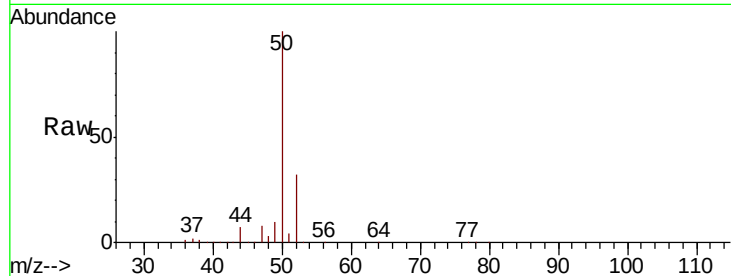
52 31.8 26.2 39.2

Manual Integrations

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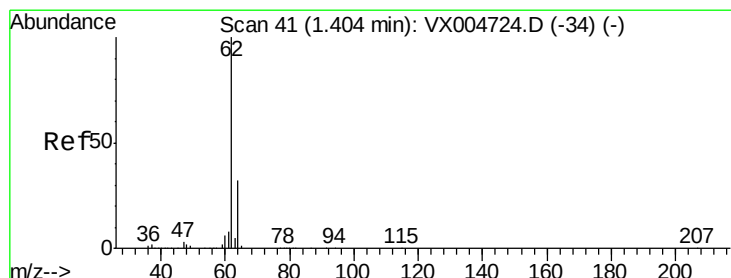
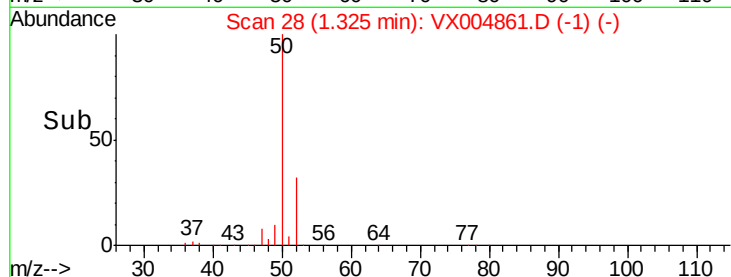
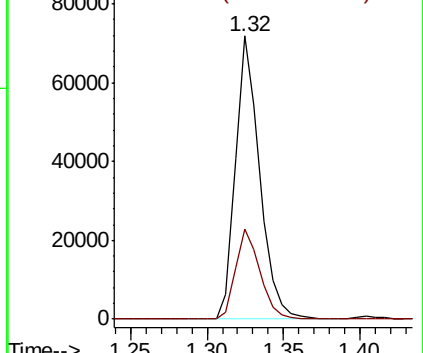
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.654 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004861.D

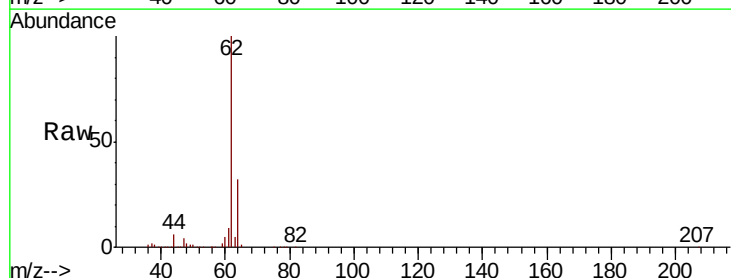
Acq: 01 Oct 2018 11:00

Tgt Ion: 62 Resp: 76643

Ion Ratio Lower Upper

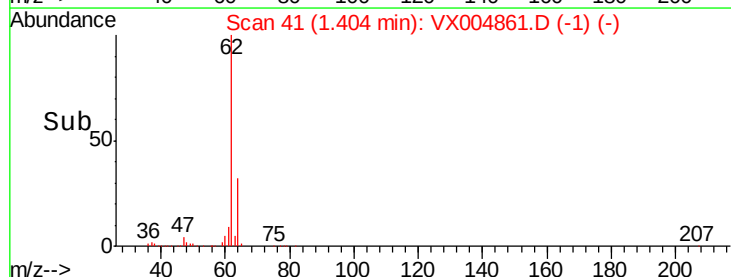
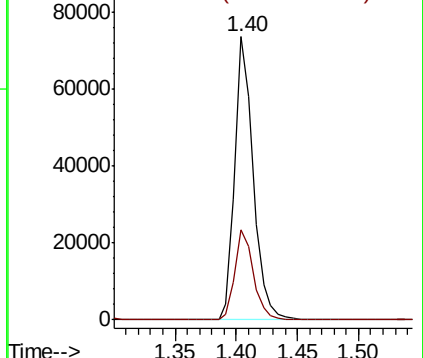
62 100

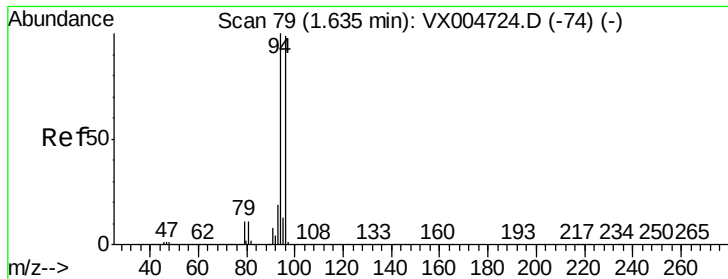
64 31.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.115 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion: 94 Resp: 46514

Ion Ratio Lower Upper

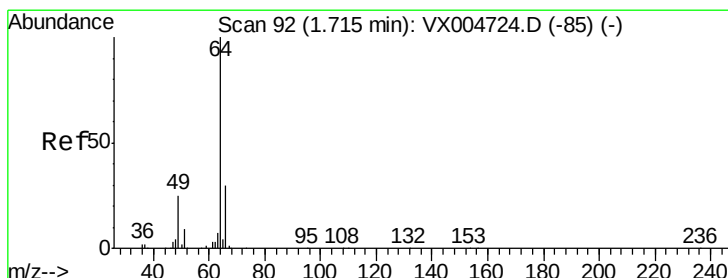
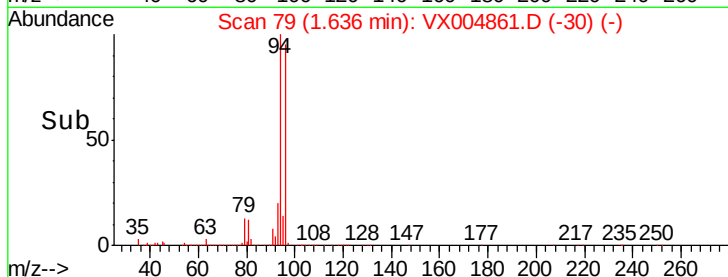
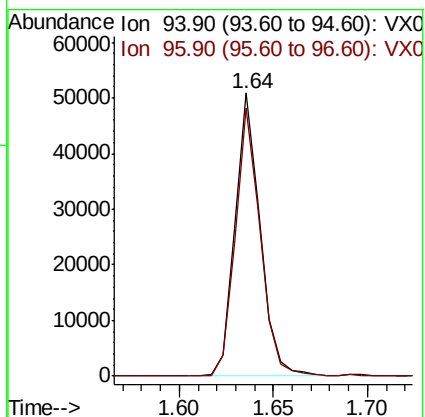
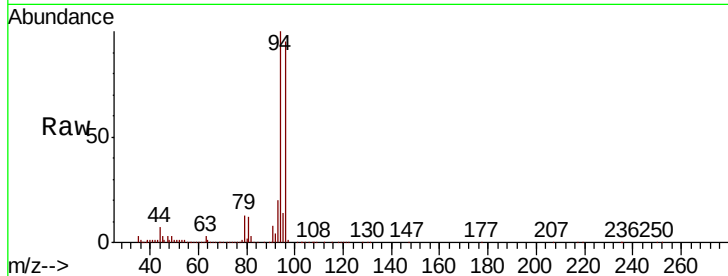
94 100

96 94.5 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 20.071 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004861.D

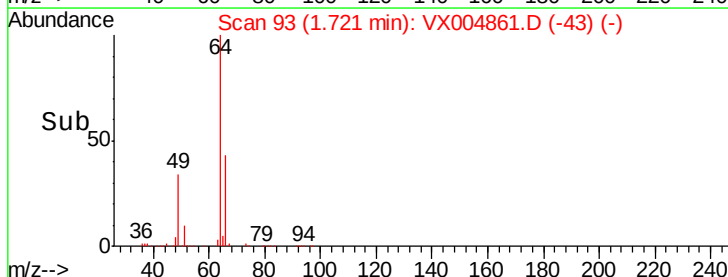
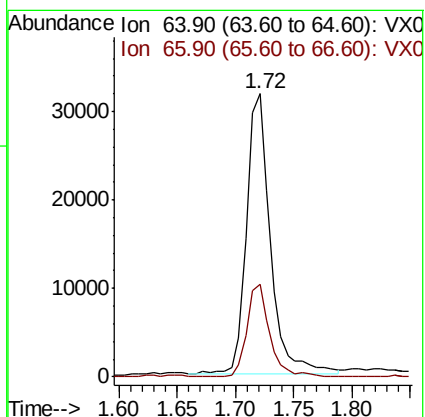
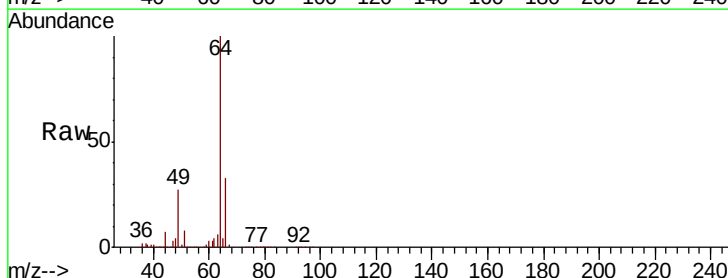
Acq: 01 Oct 2018 11:00

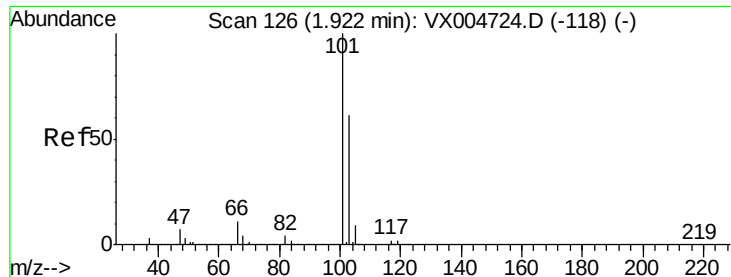
Tgt Ion: 64 Resp: 45615

Ion Ratio Lower Upper

64 100

66 32.9 24.6 36.8





#7

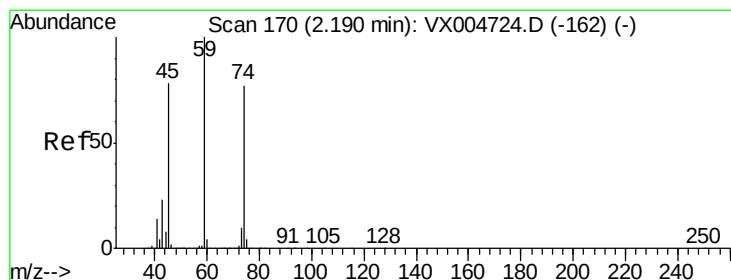
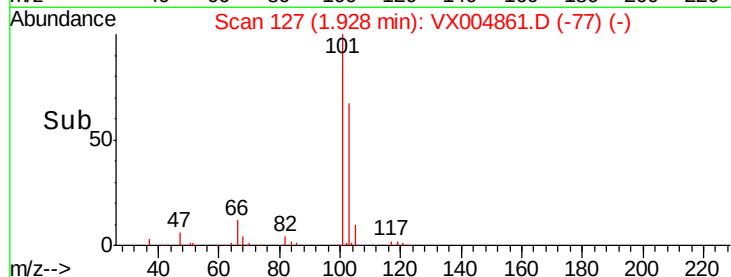
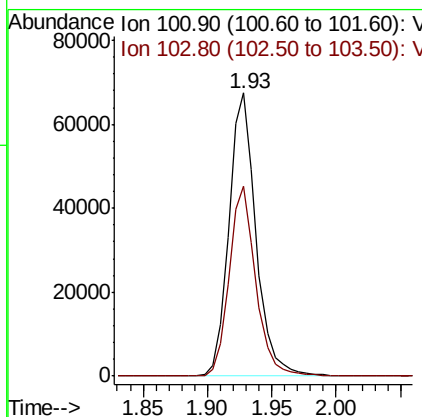
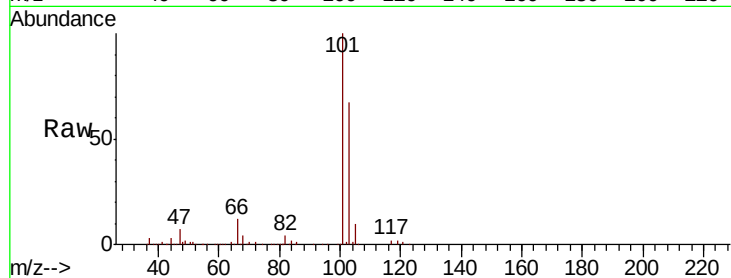
Trichlorofluoromethane
Concen: 20.532 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
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ClientSampleId :
VX1001WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	99118		
103	67.1	48.9	73.3	

Manual Integrations
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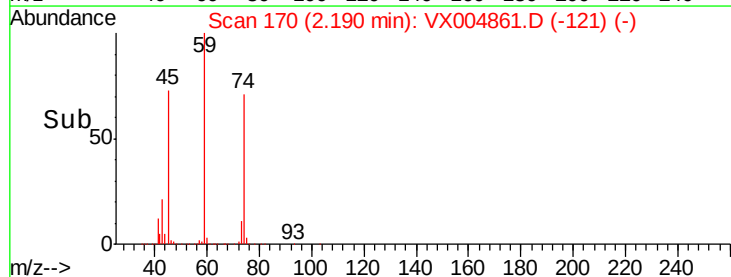
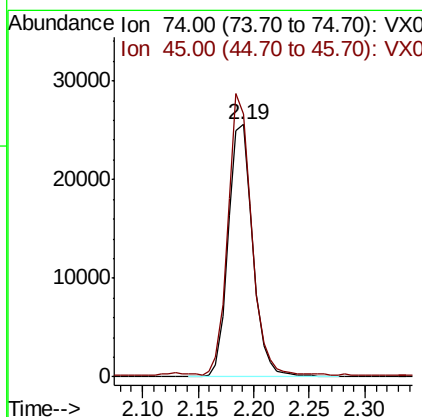
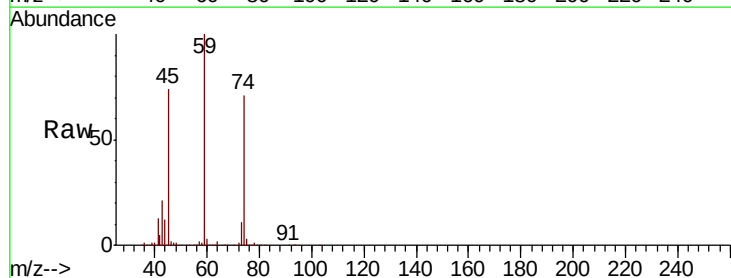
MMDadoda
10/4/2018 7:07:51 PM

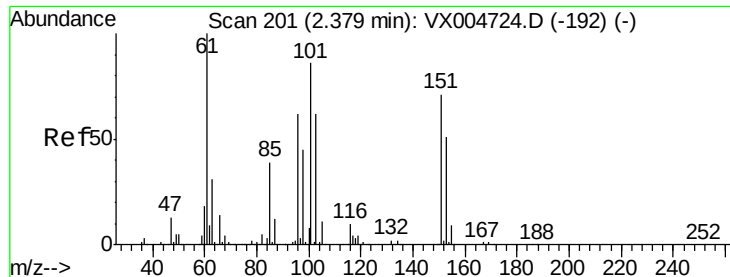


#8

Diethyl Ether
Concen: 18.665 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39146		
45	105.9	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.136 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

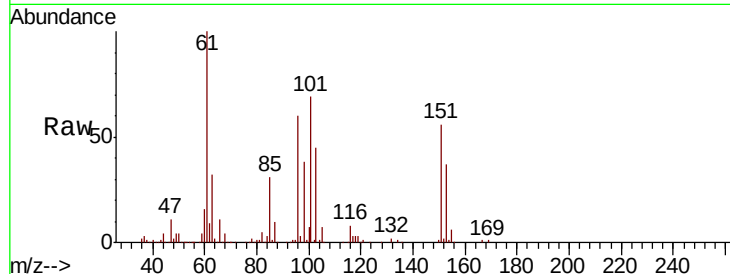
ClientSampled :

VX1001WBS01

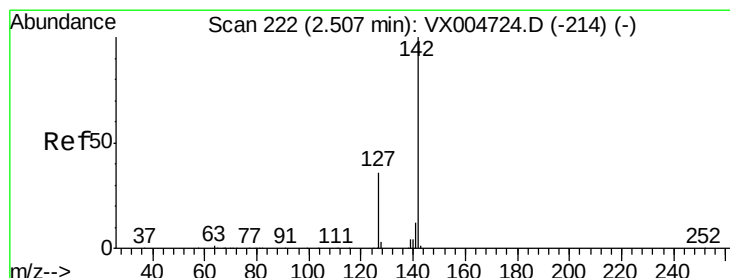
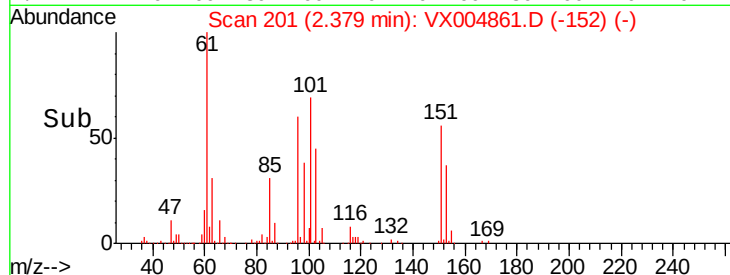
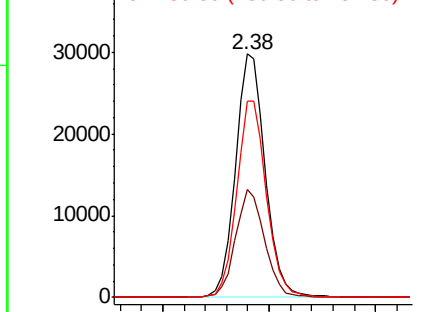
Tot Ion:	101	Resp:	58122
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.2	51.4
151	81.1	65.0	97.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 11.731 ug/l

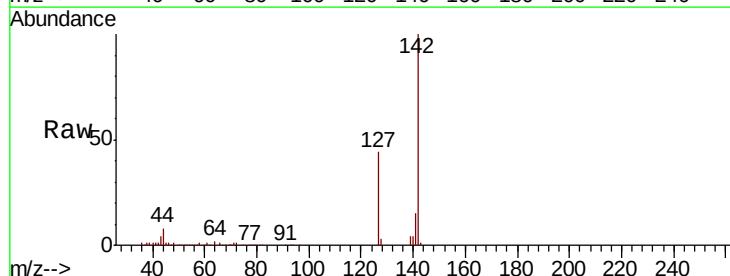
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

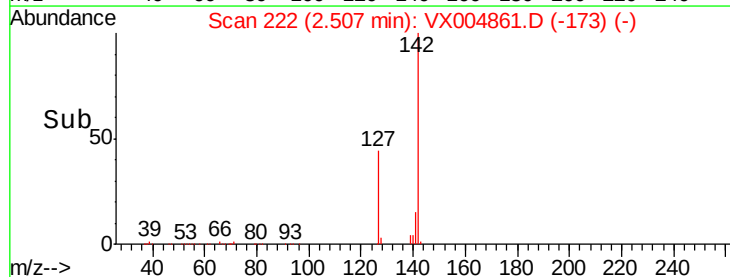
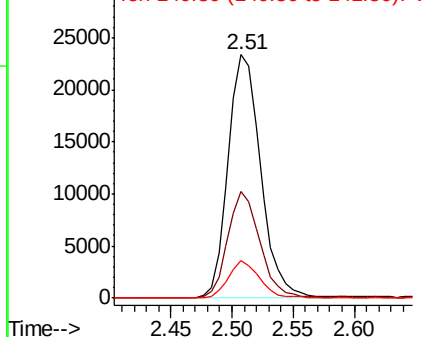
Lab File: VX004861.D

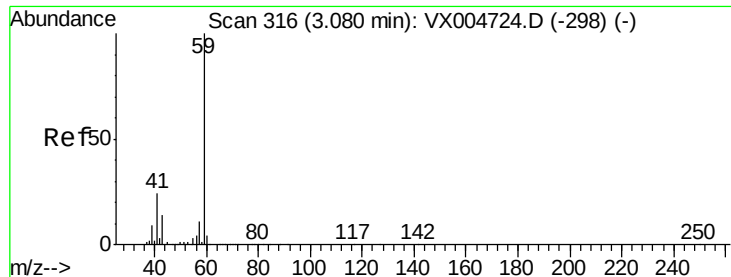
Acq: 01 Oct 2018 11:00

Tgt Ion:	142	Resp:	43167
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.8	50.6
141	14.8	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

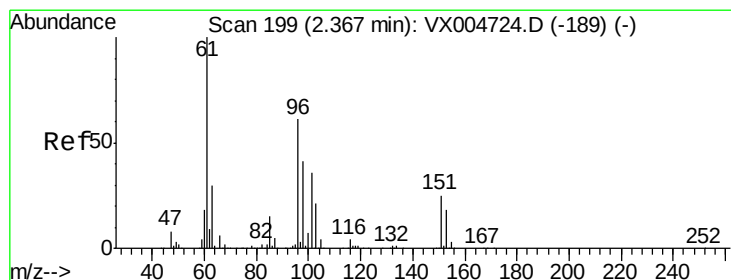
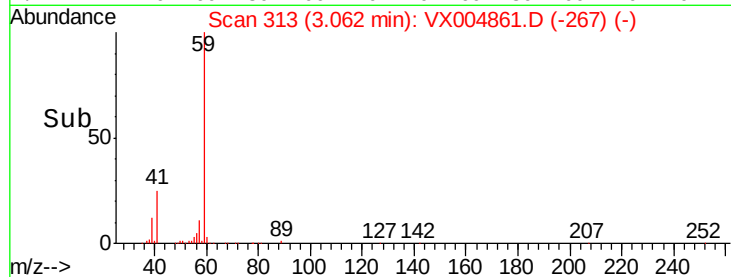
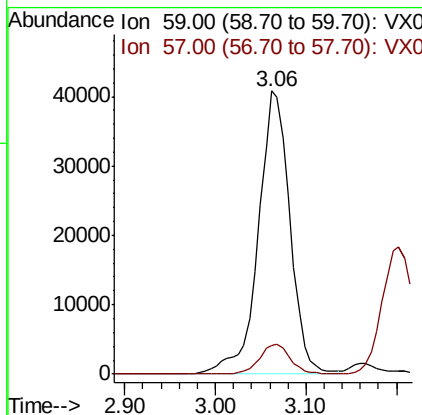
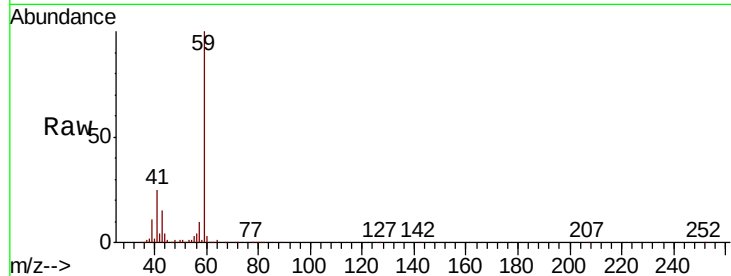
Tert butyl alcohol
Concen: 98.134 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampled :
VX1001WBS01

Tot Ion: 59 Resp: 98518
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

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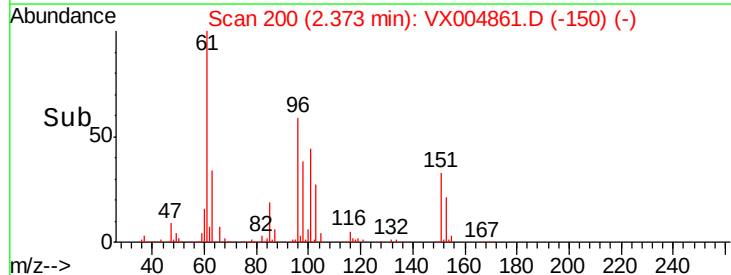
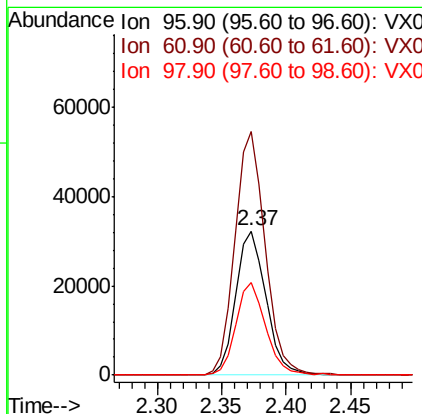
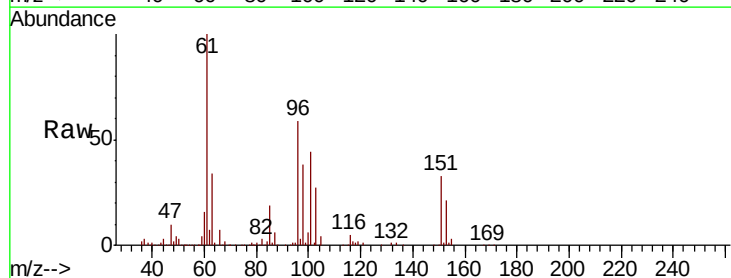
MMDadoda
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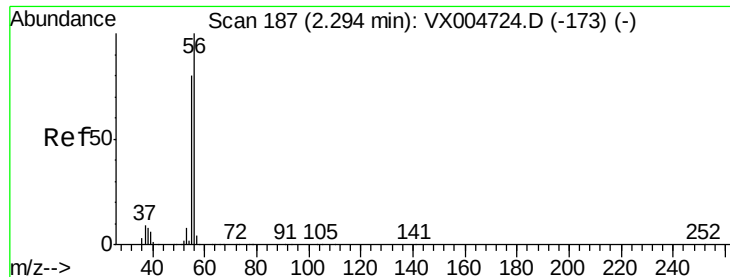


#12

1,1-Dichloroethene
Concen: 19.328 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion: 96 Resp: 52638
Ion Ratio Lower Upper
96 100
61 168.9 128.8 193.2
98 64.0 52.2 78.2





#13

Acrolein

Concen: 62.582 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion: 56 Resp: 44701

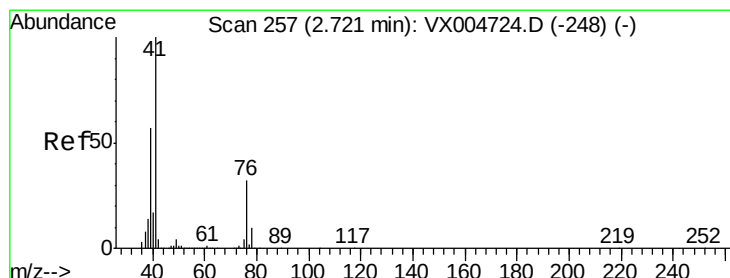
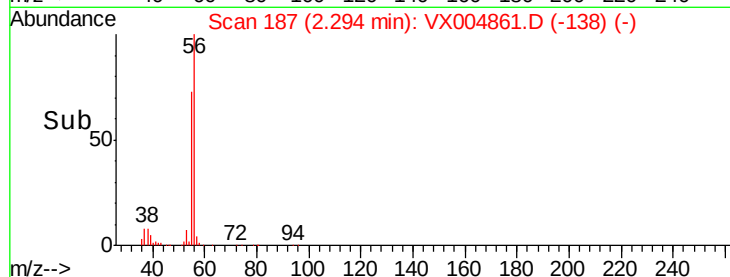
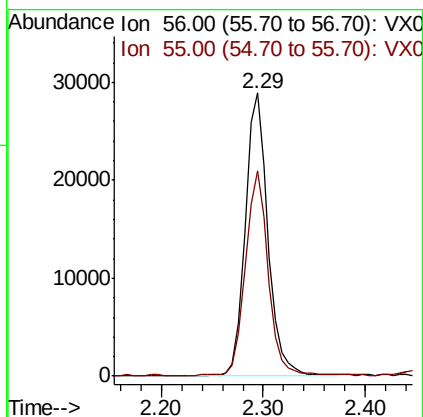
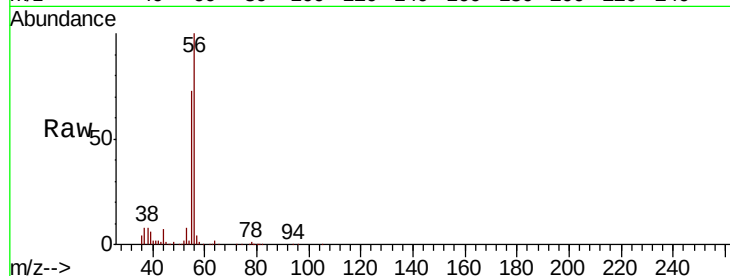
Ion Ratio Lower Upper

56 100

55 72.5 54.7 82.1

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#14

Allyl chloride

Concen: 19.743 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

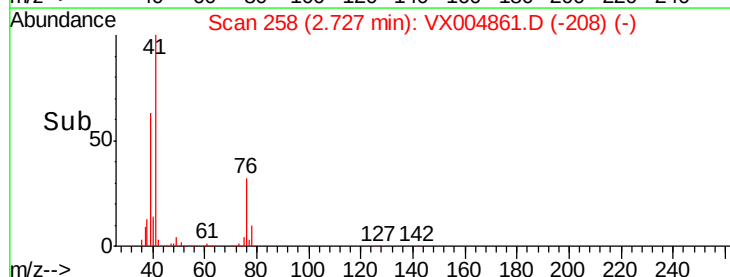
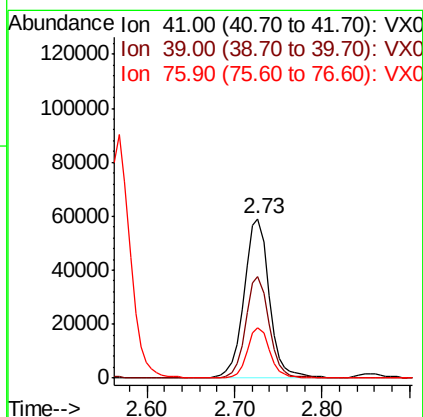
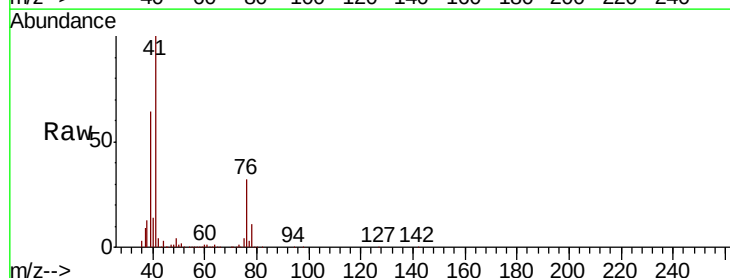
Tgt Ion: 41 Resp: 117318

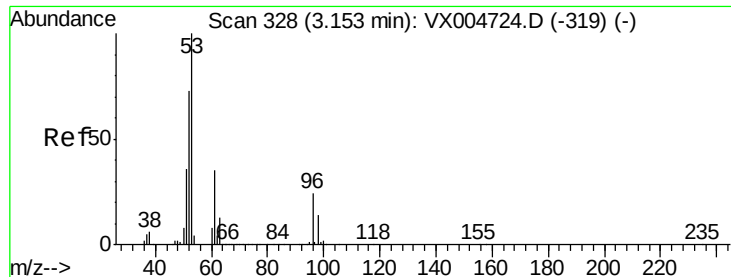
Ion Ratio Lower Upper

41 100

39 59.2 48.9 73.3

76 28.5 26.7 40.1





#15

Acrylonitrile

Concen: 93.984 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

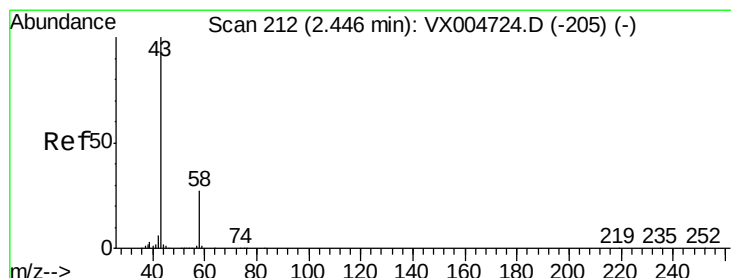
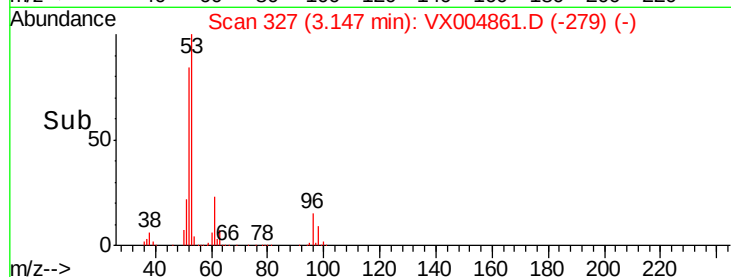
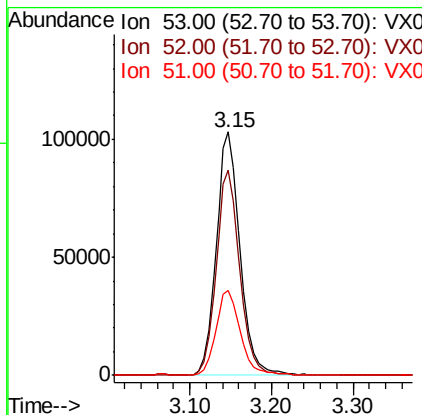
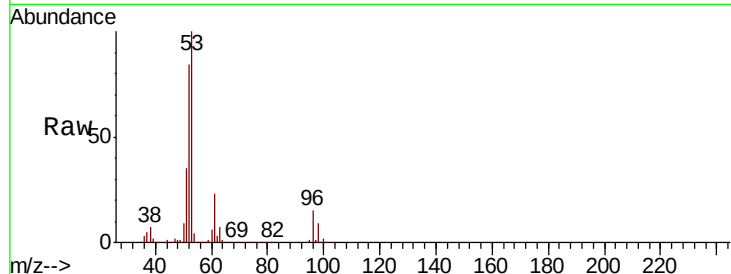
ClientSampleId :

VX1001WBS01

Tot Ion:	53	Resp:	207703
Ion Ratio	Lower	Upper	
53	100		
52	83.7	65.2	97.8
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 99.149 ug/l

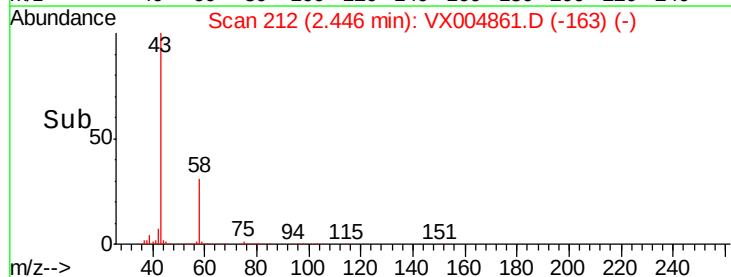
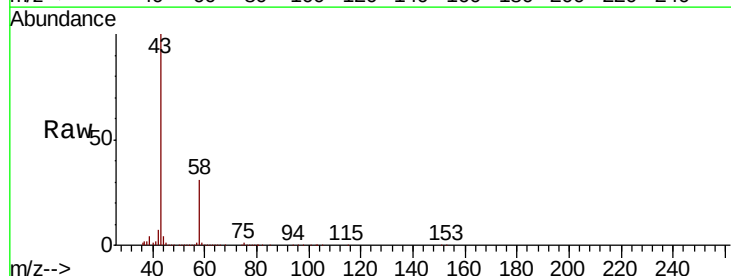
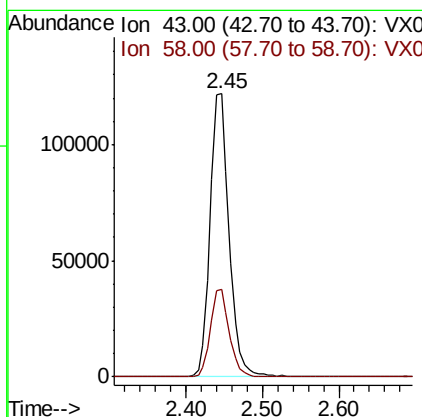
RT: 2.45 min Scan# 212

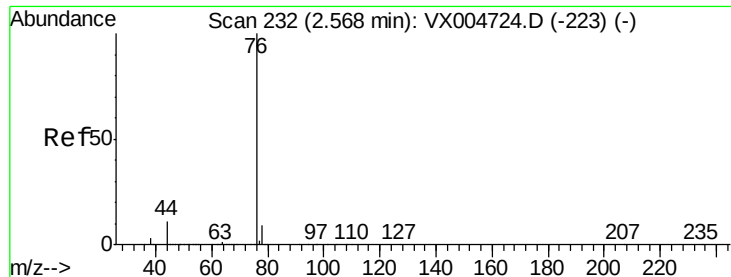
Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Tgt Ion:	43	Resp:	207832
Ion Ratio	Lower	Upper	
43	100		
58	30.8	26.2	39.4





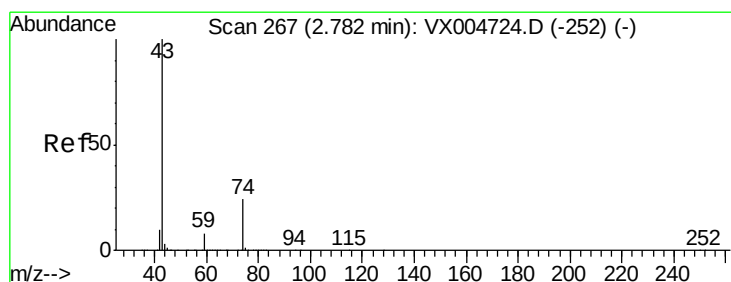
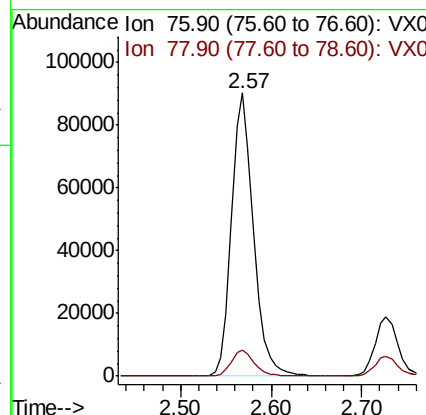
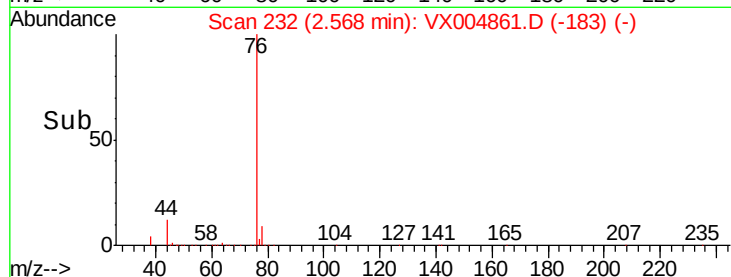
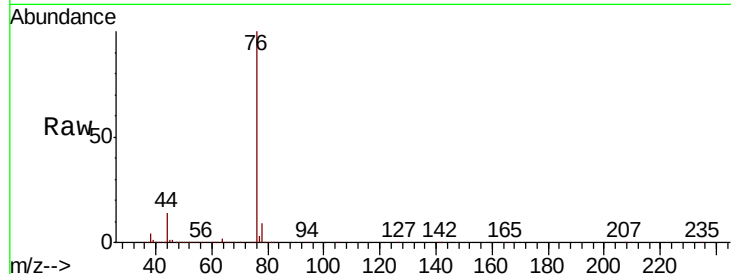
#17
Carbon Disulfide
Concen: 18.518 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

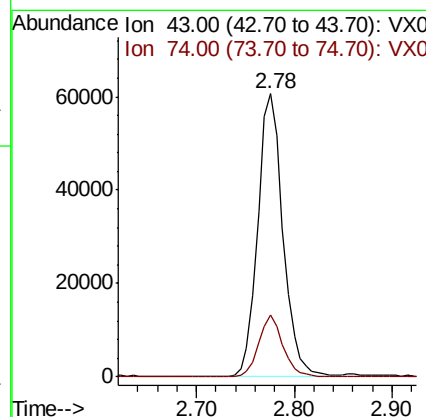
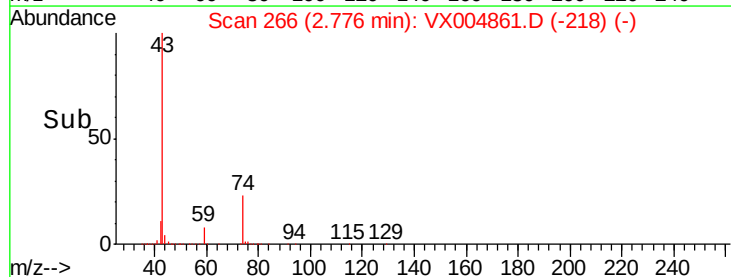
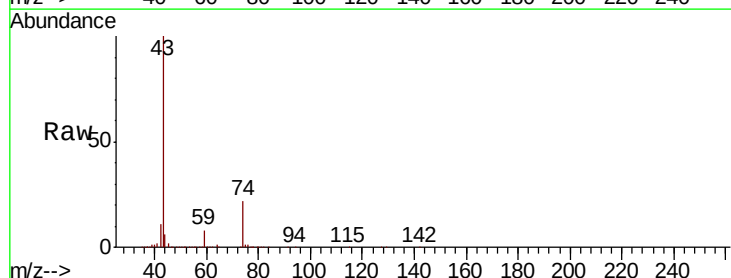
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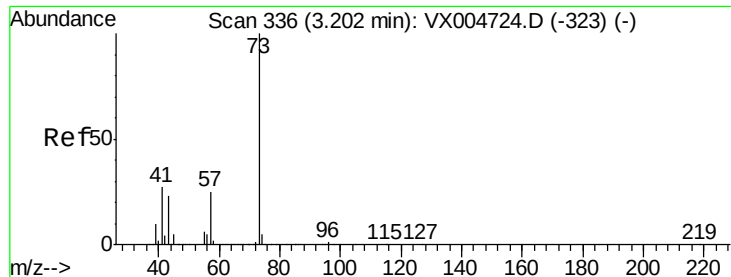
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#18
Methyl Acetate
Concen: 20.422 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	19.4	29.2





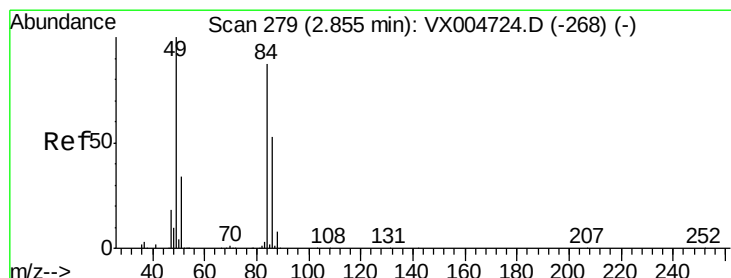
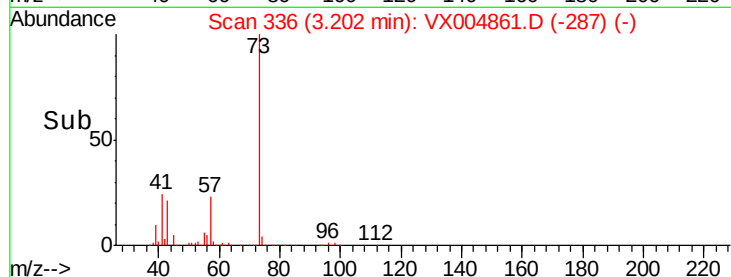
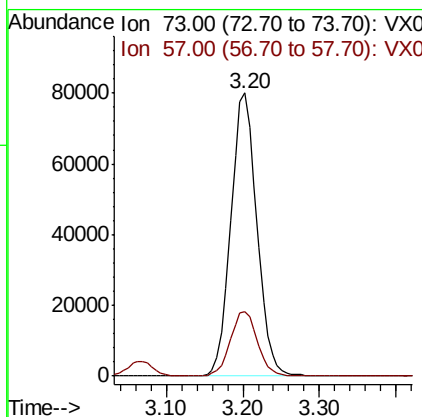
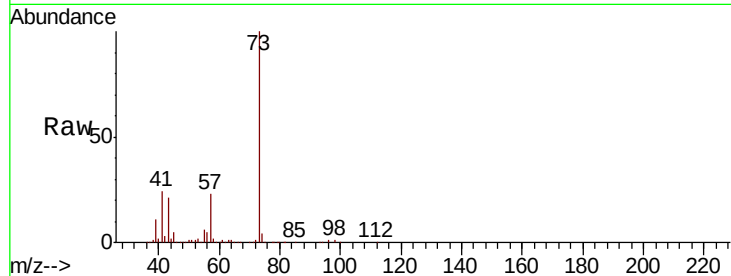
#19
Methyl tert-butyl Ether
Concen: 20.122 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	73	Resp	189026
Ion Ratio	100	Lower	Upper
73	100		
57	22.8	17.1	25.7

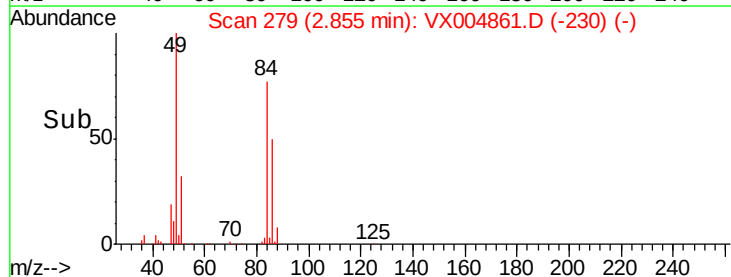
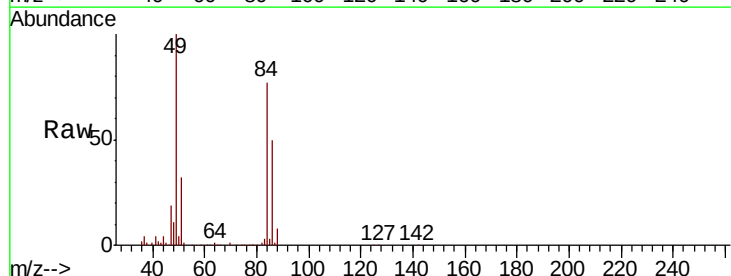
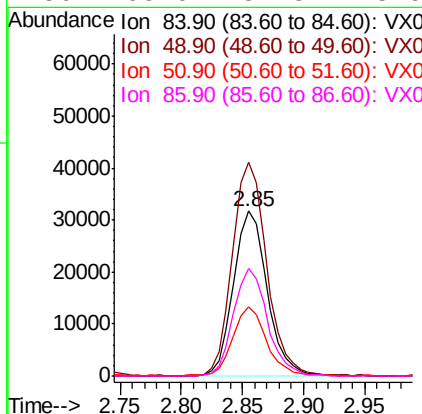
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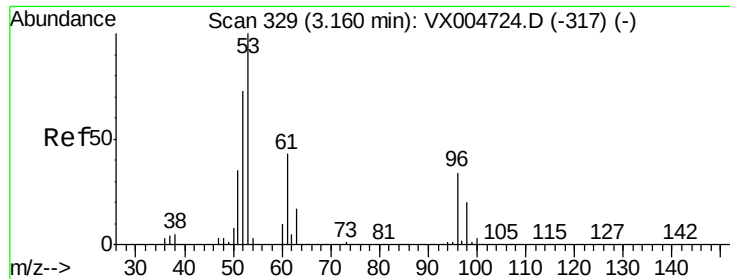
MMDadoda
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#20
Methylene Chloride
Concen: 19.452 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	84	Resp	60847
Ion Ratio	100	Lower	Upper
84	100		
49	129.5	101.2	151.8
51	41.4	29.5	44.3
86	65.0	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.108 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

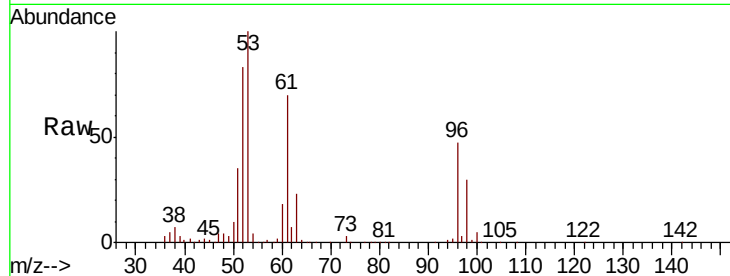
ClientSampleId :

VX1001WBS01

Tot Ion:	96	Resp:	56964
Ion	Ratio	Lower	Upper
96	100		
61	149.1	113.8	170.6
98	64.6	51.8	77.8

Manual Integrations
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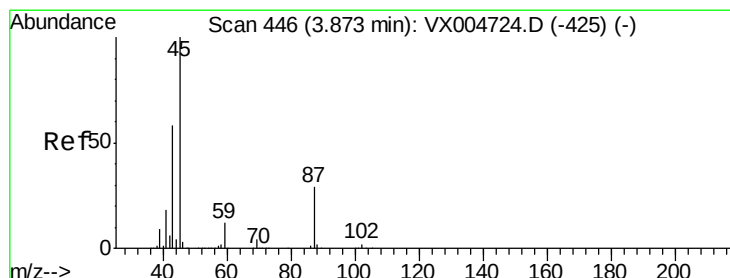
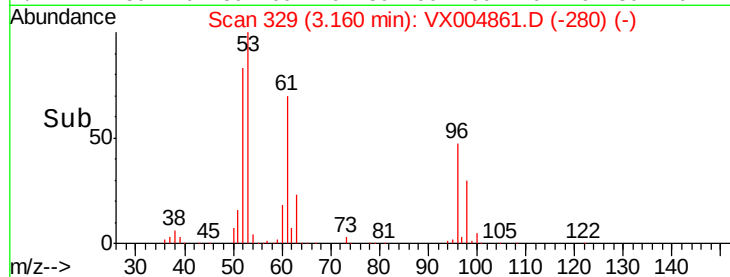
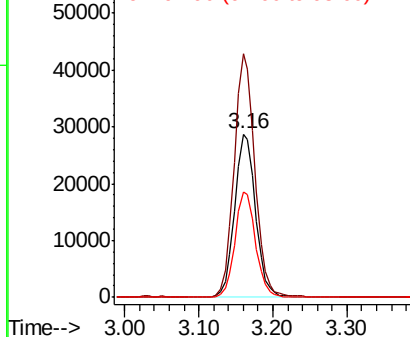


Abundance

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: 19.650 ug/l

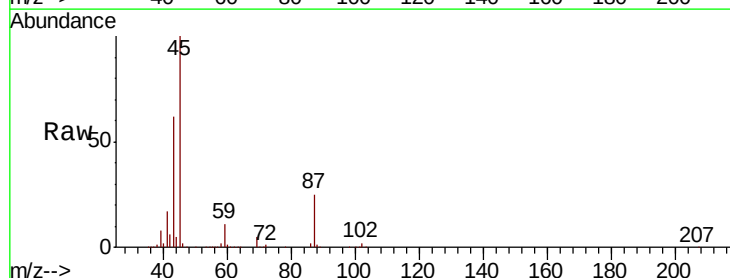
RT: 3.87 min Scan# 446

Delta R.T. -0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Tgt Ion:	45	Resp:	196614
Ion	Ratio	Lower	Upper
45	100		
43	61.7	42.8	64.2
87	24.6	22.6	34.0
59	10.8	9.6	14.4



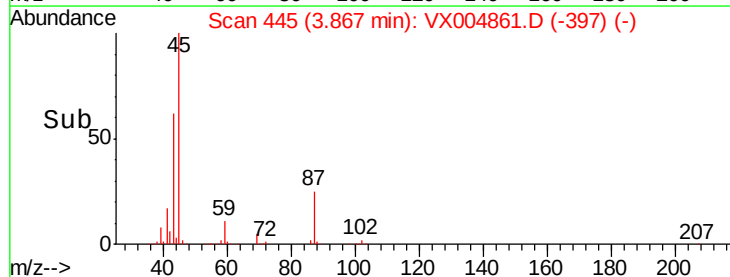
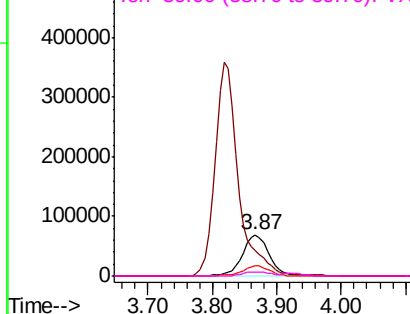
Abundance

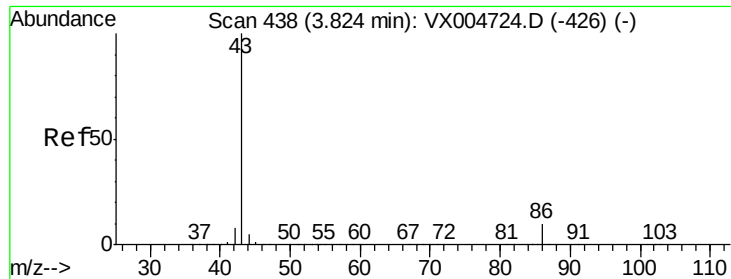
Ion 45.00 (44.70 to 45.70): VX0

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: 100.171 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampled :

VX1001WBS01

Tot Ion: 43 Resp: 917483

Ion Ratio Lower Upper

43 100

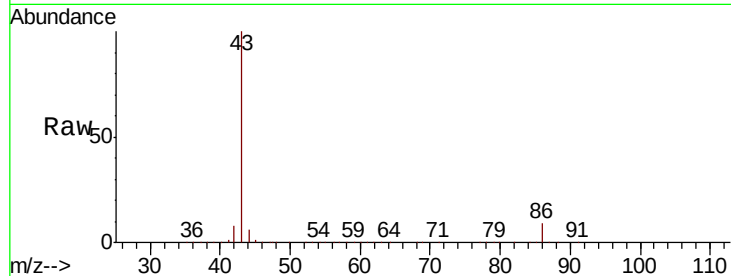
86 8.9 8.9 13.3#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

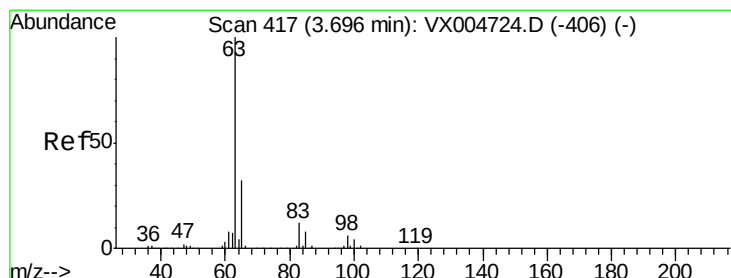
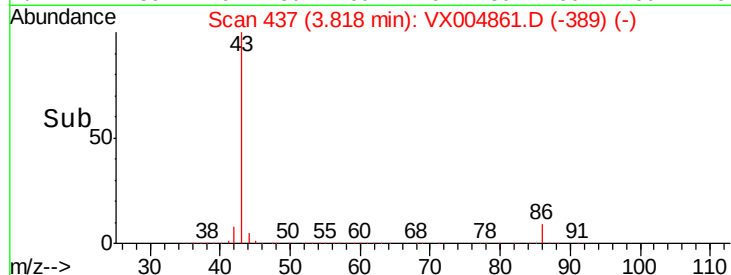
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.763 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

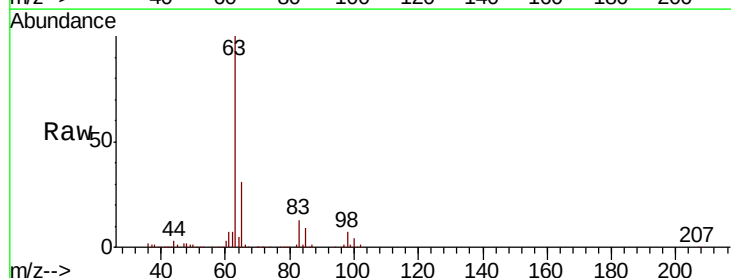
Tgt Ion: 63 Resp: 111989

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

50000

40000

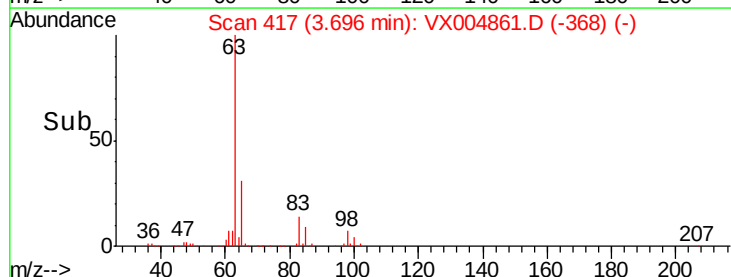
30000

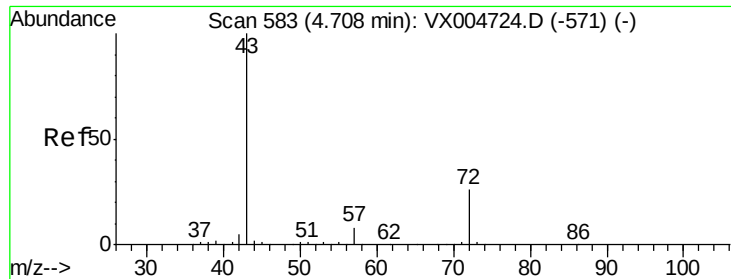
20000

10000

0

Time-->





#25

2-Butanone

Concen: 92.383 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion: 43 Resp: 285443

Ion Ratio Lower Upper

43 100

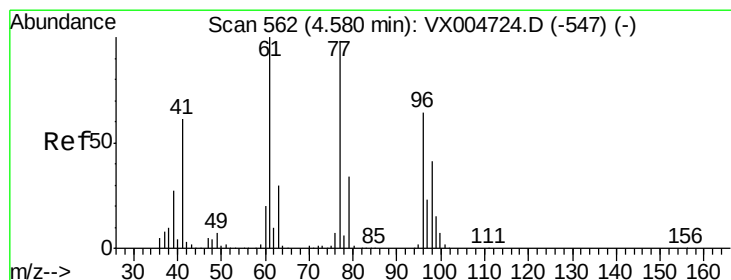
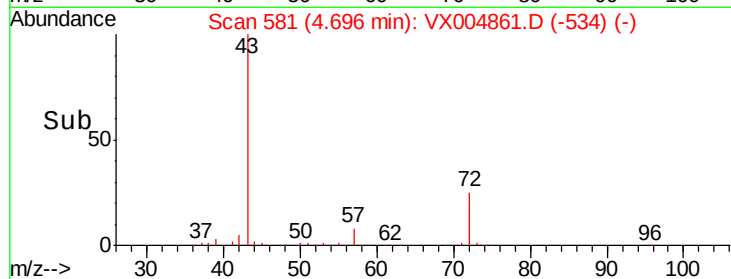
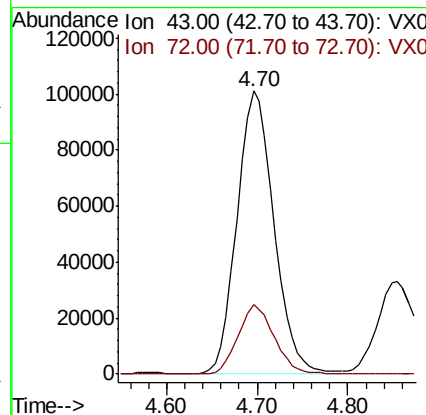
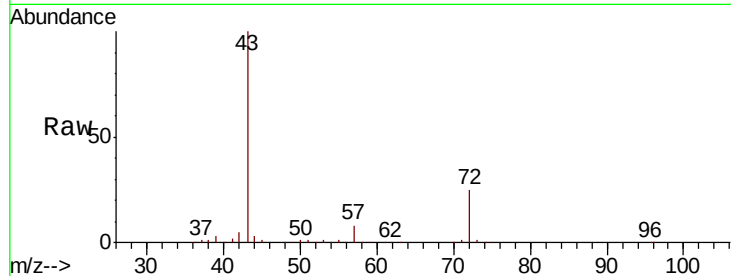
72 24.6 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.453 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004861.D

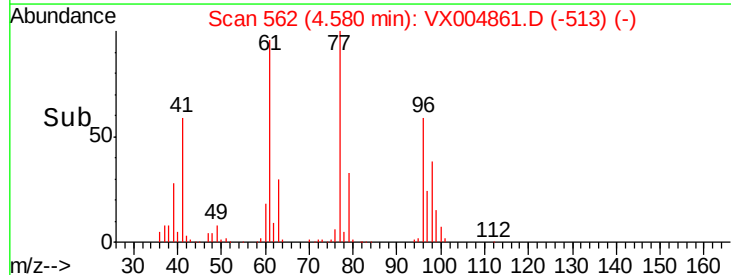
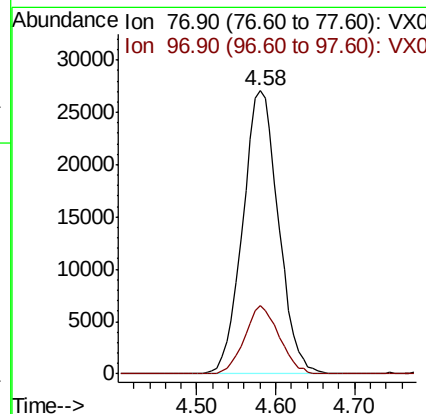
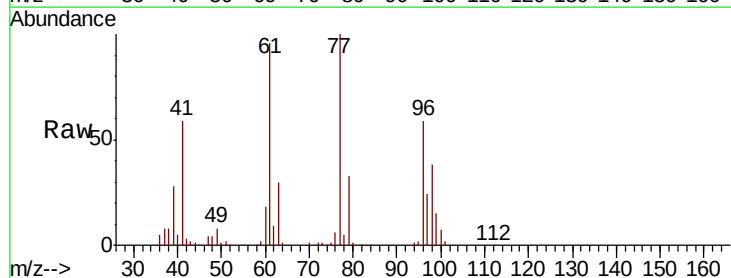
Acq: 01 Oct 2018 11:00

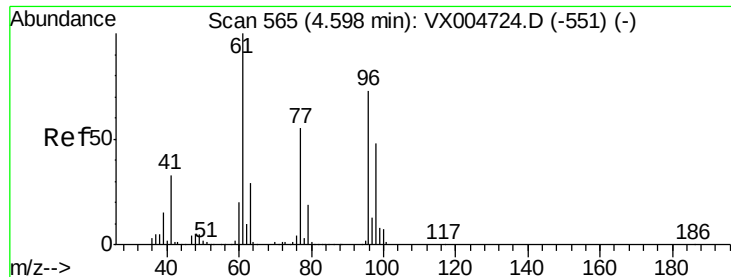
Tgt Ion: 77 Resp: 85010

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





#27

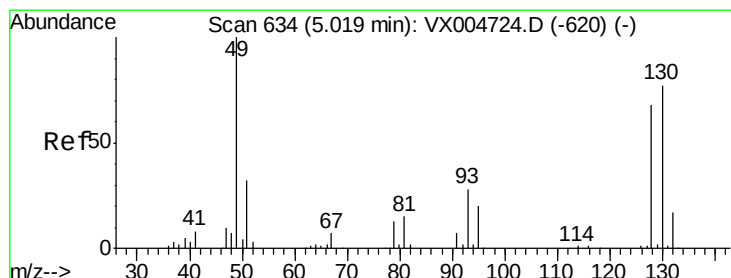
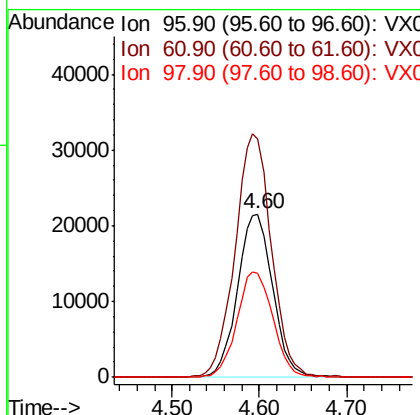
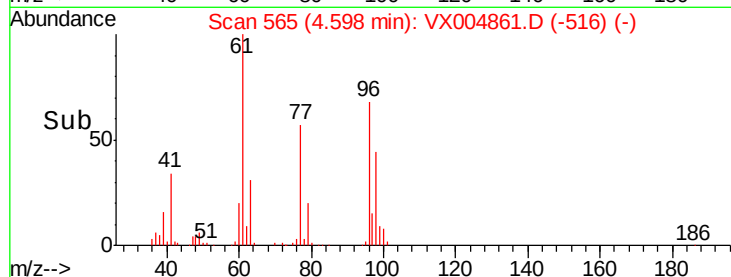
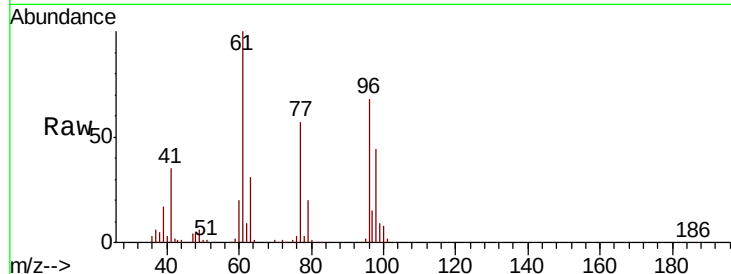
cis-1,2-Dichloroethene
 Concen: 18.093 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	282.6
98	66.0	0.0	130.2

Manual Integrations
 APPROVED

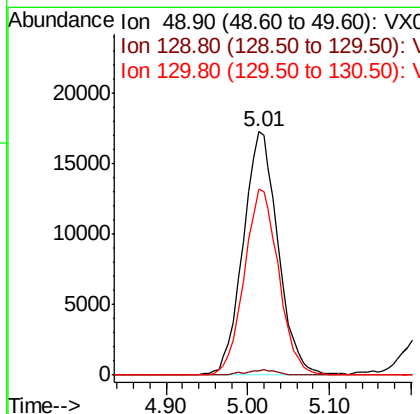
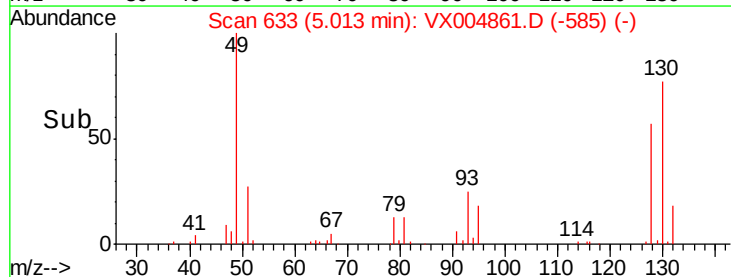
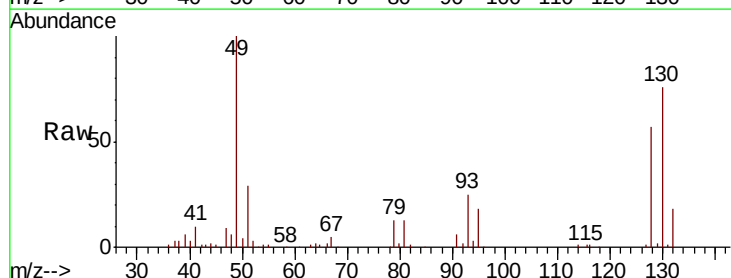
MMDadoda
 10/4/2018 7:07:51 PM

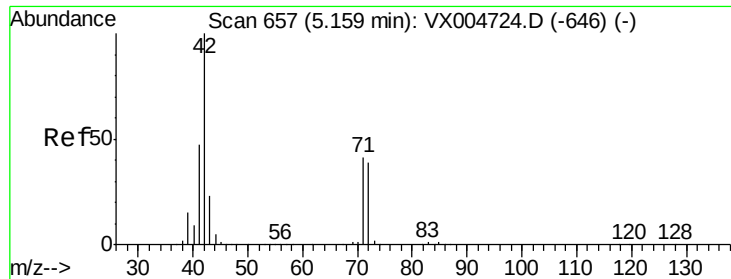


#28

Bromochloromethane
 Concen: 18.256 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	75.1	67.5	101.3





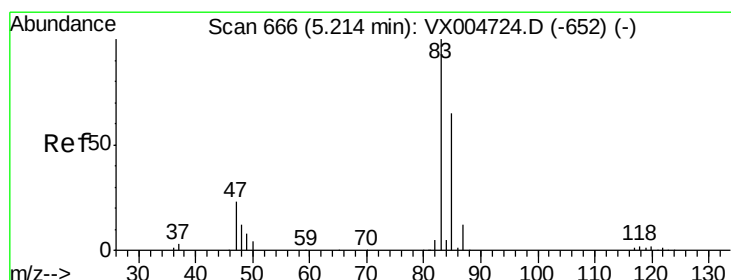
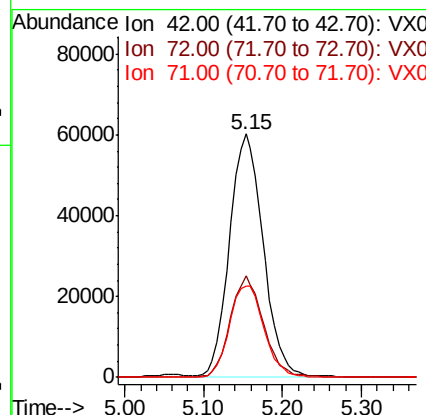
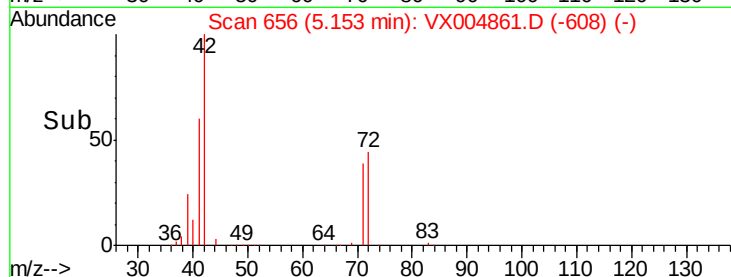
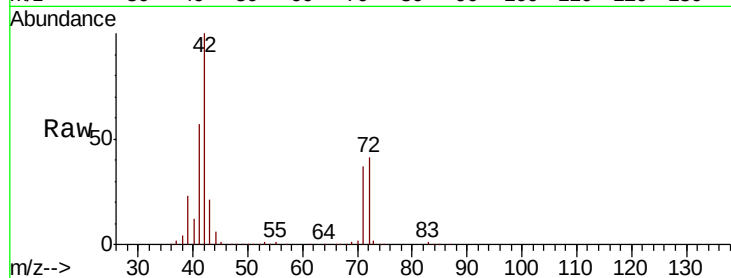
#29
Tetrahydrofuran
Concen: 93.139 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	37.4	56.0
71	38.8	34.5	51.7

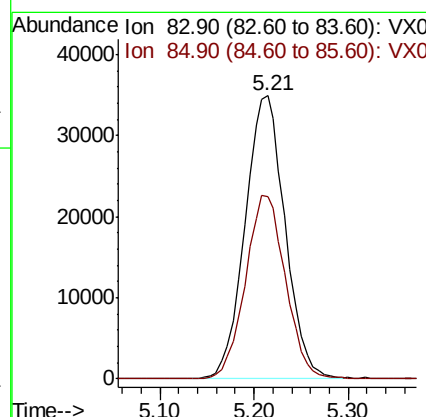
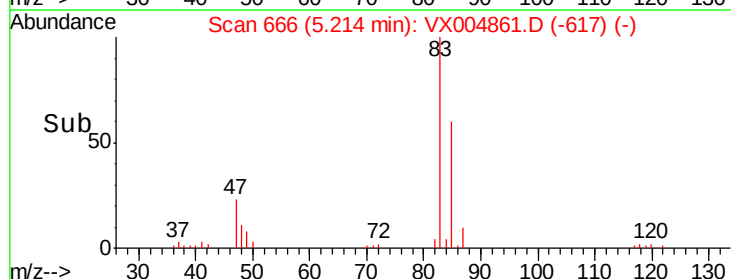
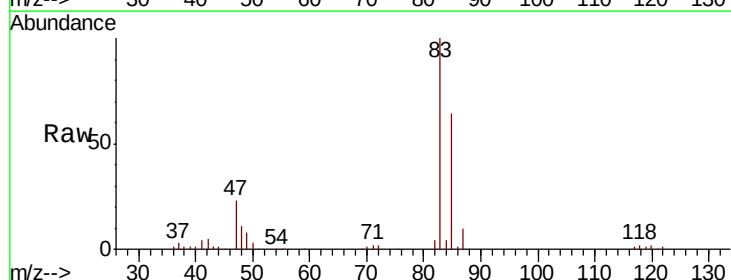
Manual Integrations
APPROVED

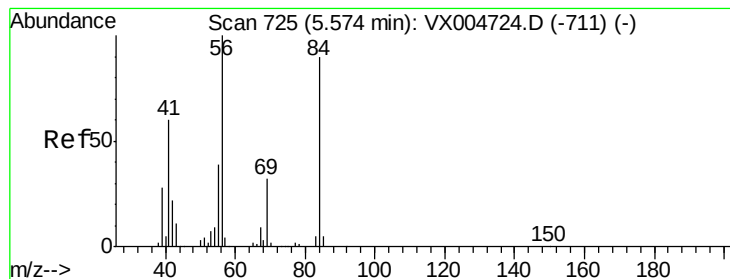
MMDadoda
10/4/2018 7:07:51 PM



#30
Chloroform
Concen: 18.399 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0





#31

Cyclohexane

Concen: 20.440 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion: 56 Resp: 93376

Ion Ratio Lower Upper

56 100

69 27.4 25.4 38.2

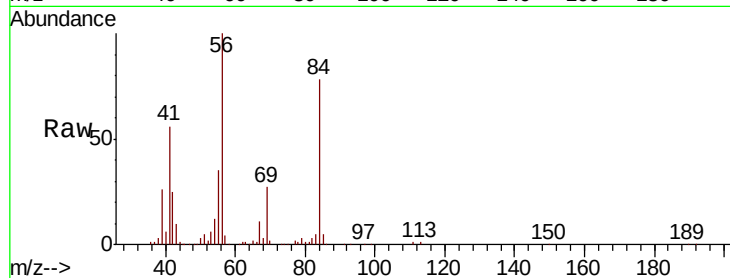
84 77.0 71.4 107.2

Manual Integrations

APPROVED

MMDadoda

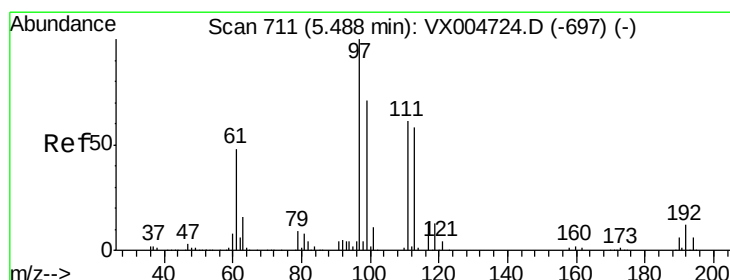
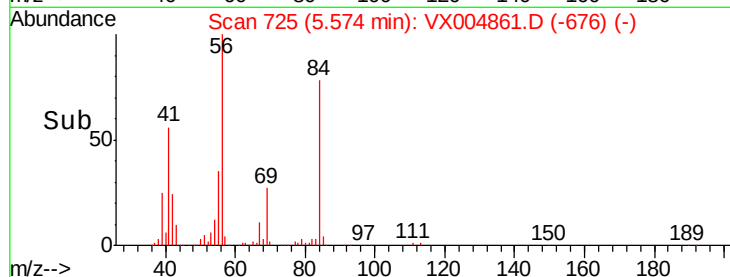
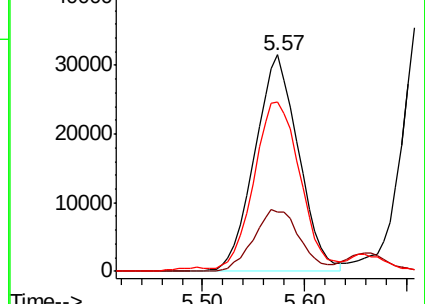
10/4/2018 7:07:51 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.336 ug/l

RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

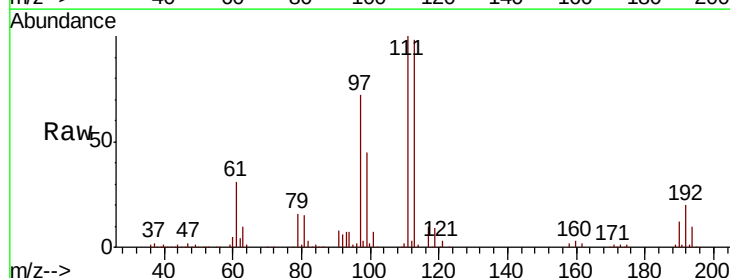
Tgt Ion: 97 Resp: 89080

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

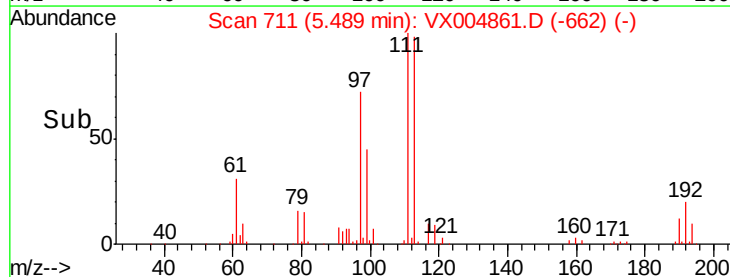
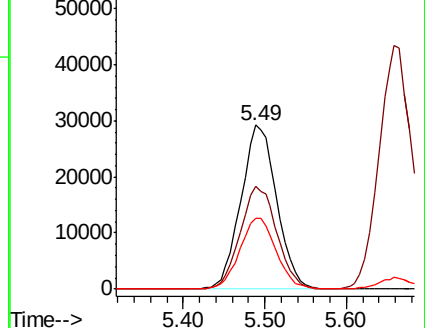
61 44.0 34.9 52.3

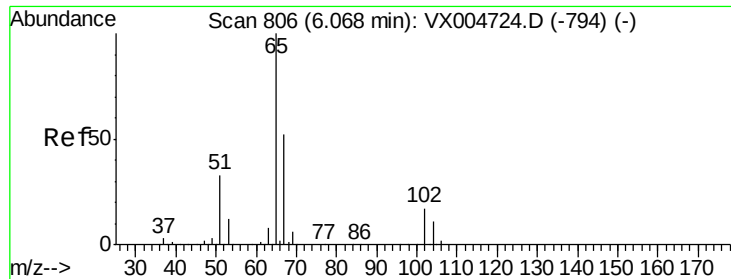


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





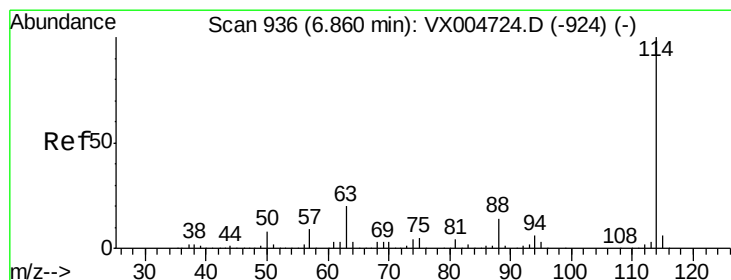
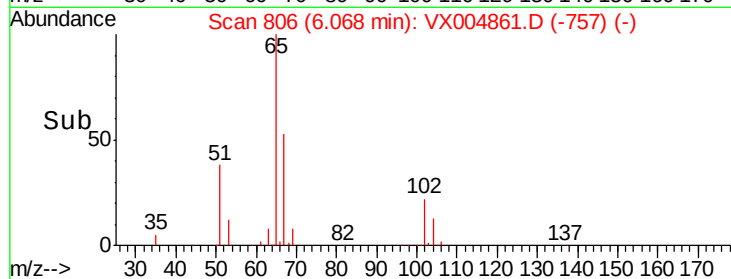
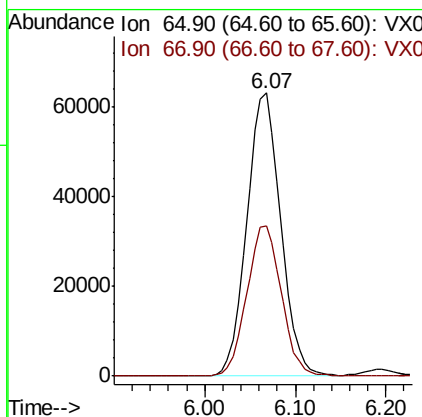
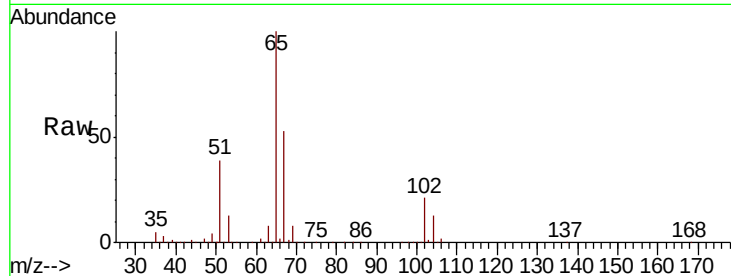
#33
 1,2-Dichloroethane-d4
 Concen: 45.581 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.8

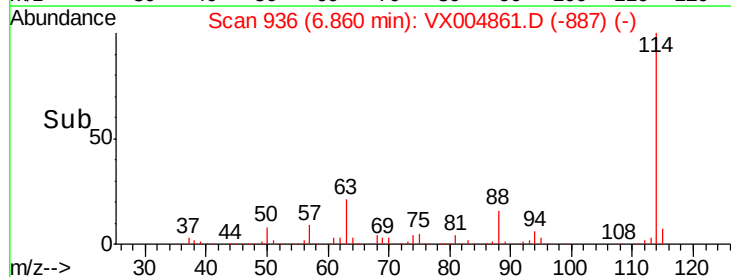
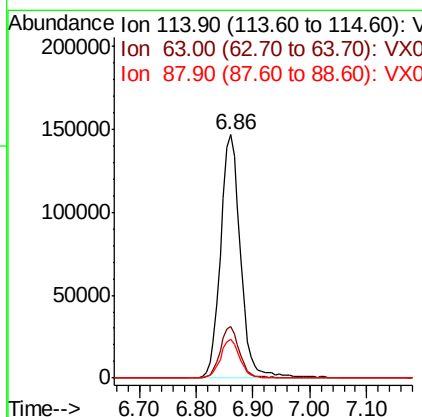
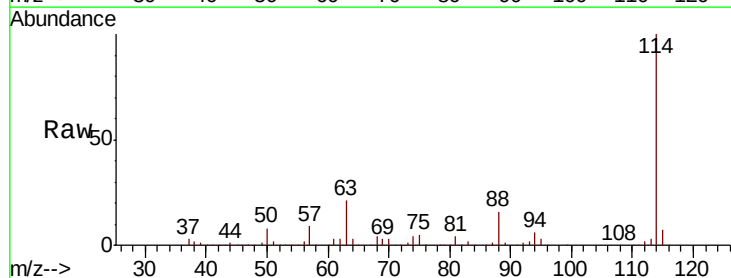
Manual Integrations
 APPROVED

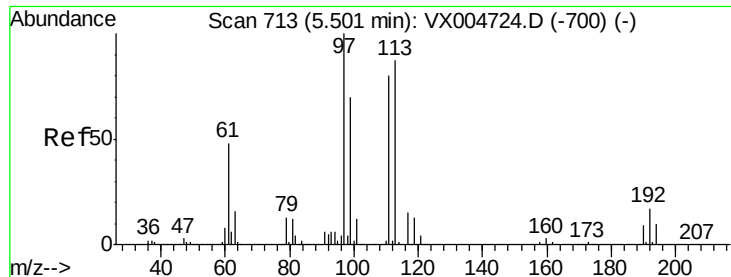
MMDadoda
 10/4/2018 7:07:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.0
88	16.1	0.0	30.4





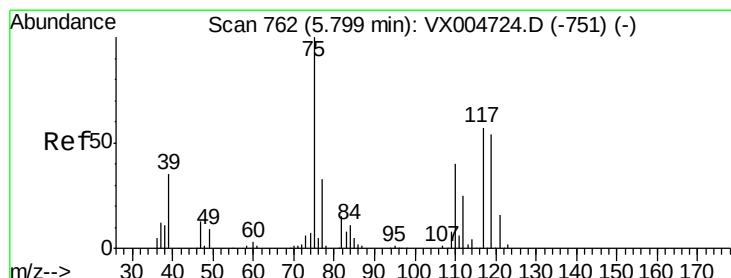
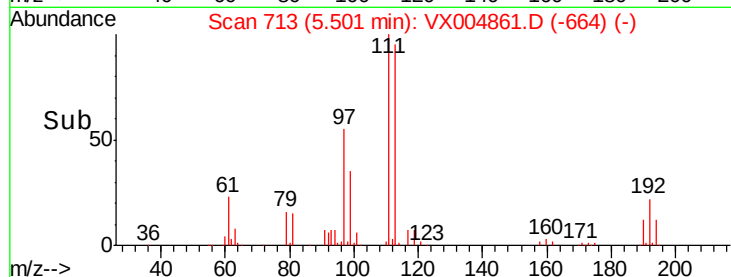
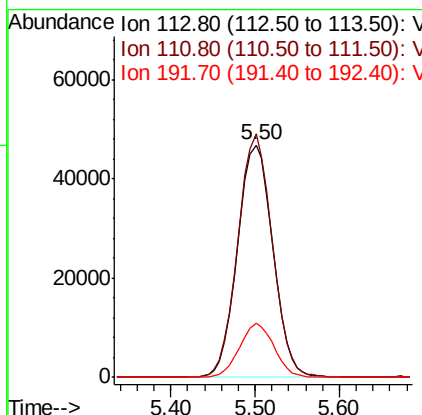
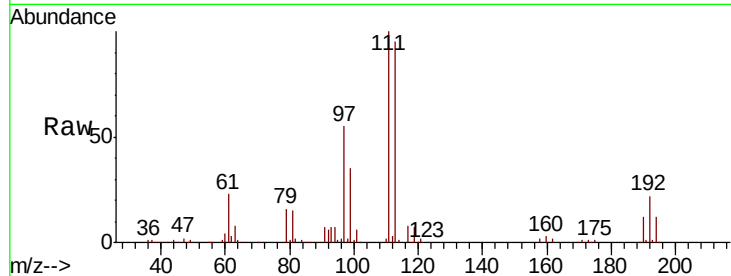
#35
 Dibromofluoromethane
 Concen: 43.898 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.4	123.6	
192	22.7	19.4	29.2	

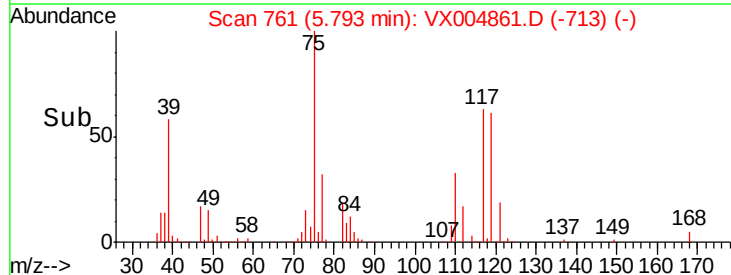
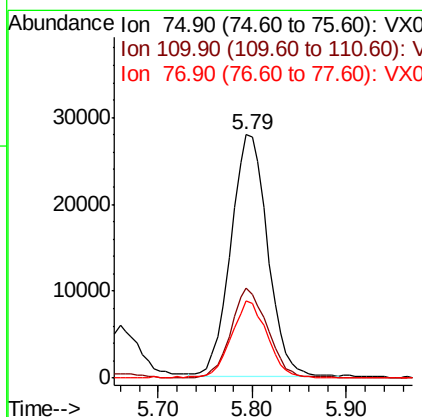
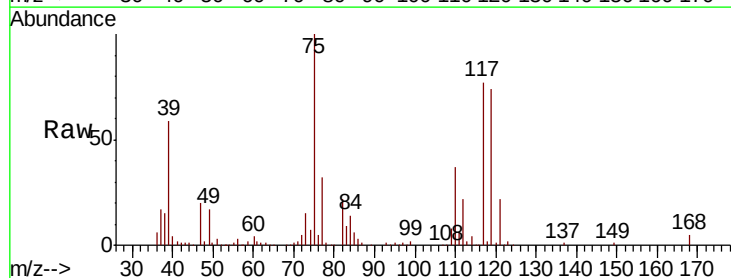
Manual Integrations
 APPROVED

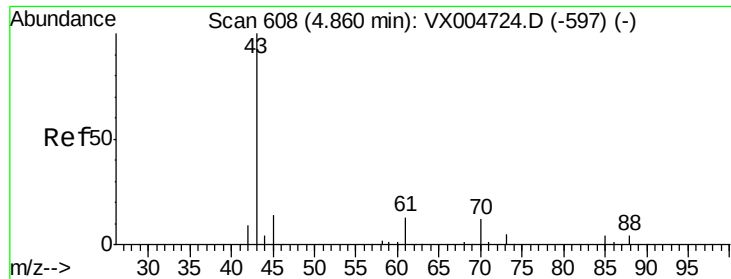
MMDadoda
 10/4/2018 7:07:51 PM



#36
 1,1-Dichloropropene
 Concen: 18.322 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	18.0	54.0	
77	30.5	24.6	36.8	





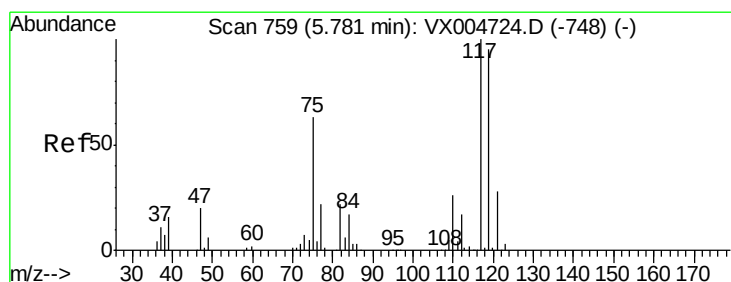
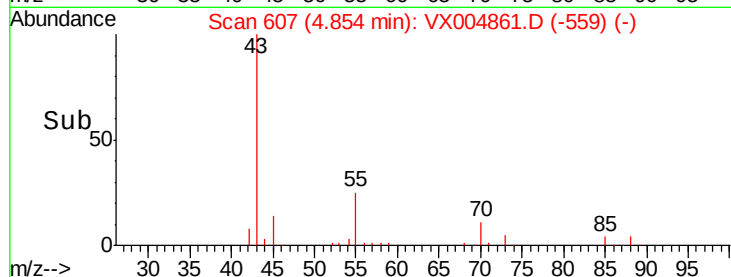
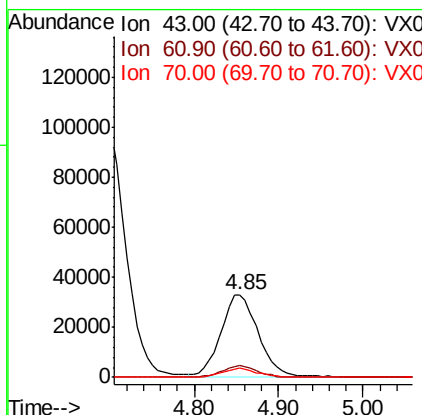
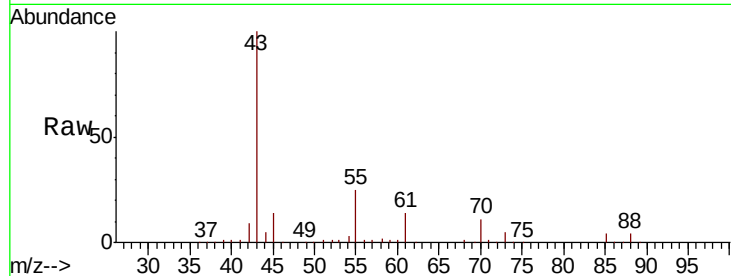
#37
Ethyl Acetate
Concen: 17.894 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	10.4	9.0	13.6

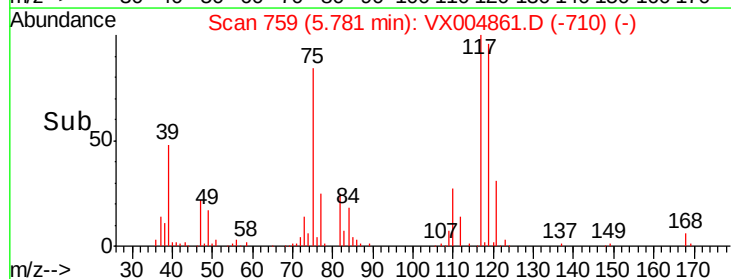
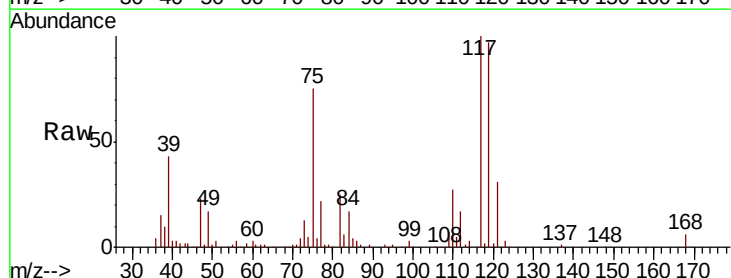
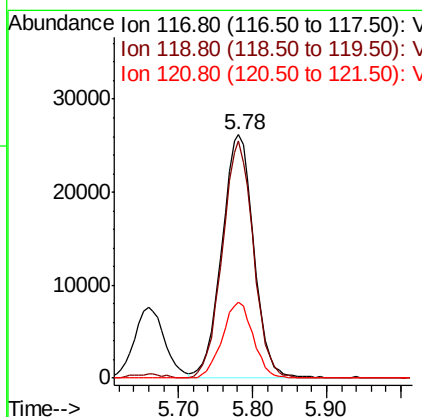
Manual Integrations
APPROVED

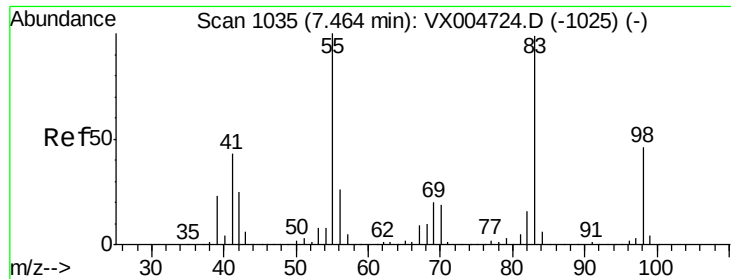
MMDadoda
10/4/2018 7:07:51 PM



#38
Carbon Tetrachloride
Concen: 17.936 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.8	118.2
121	31.3	24.9	37.3





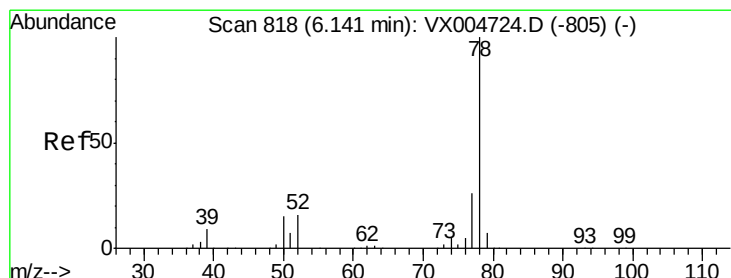
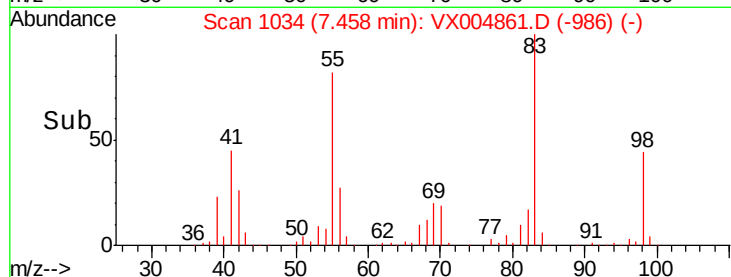
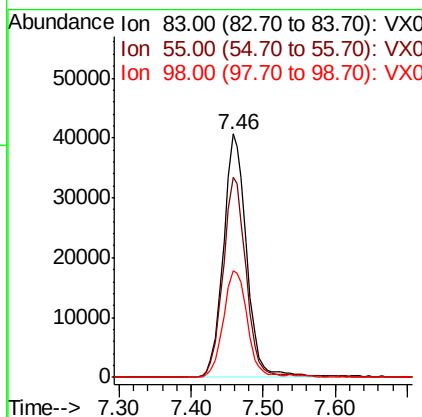
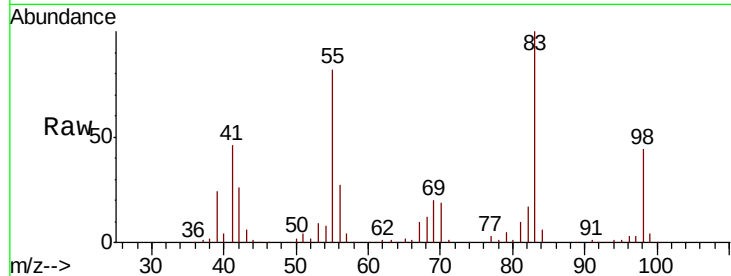
#39
Methylvlcyclohexane
Concen: 21.578 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	61.0	91.4
98	43.8	39.6	59.4

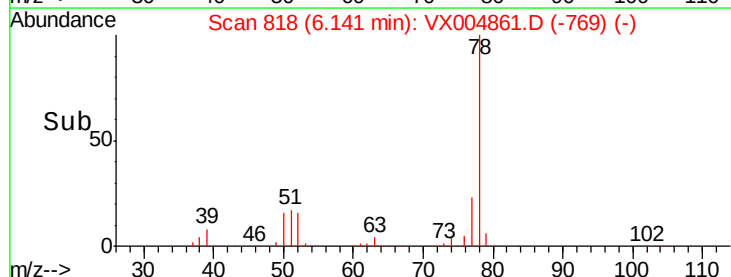
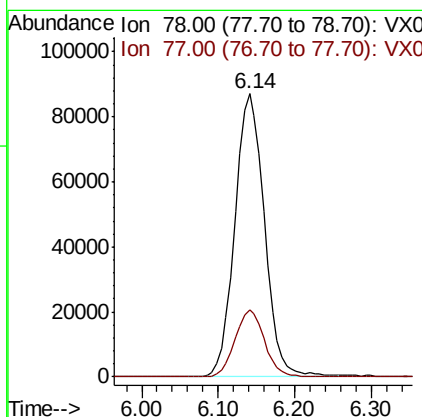
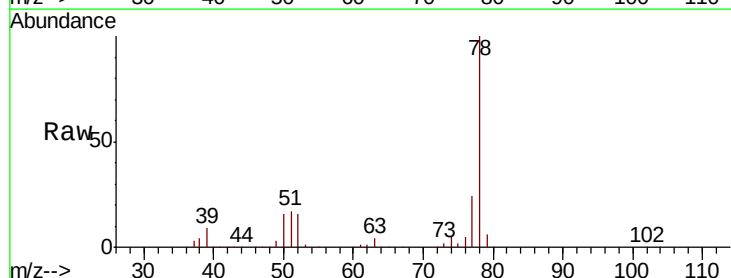
Manual Integrations
APPROVED

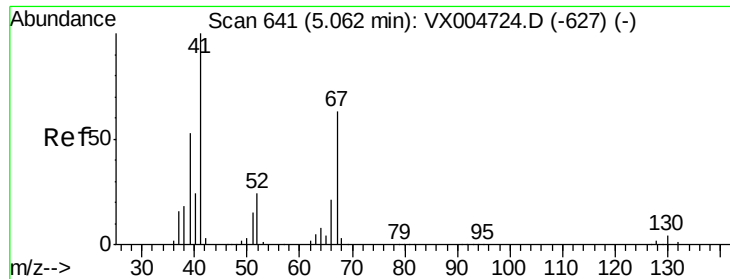
MMDadoda
10/4/2018 7:07:51 PM



#40
Benzene
Concen: 18.014 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





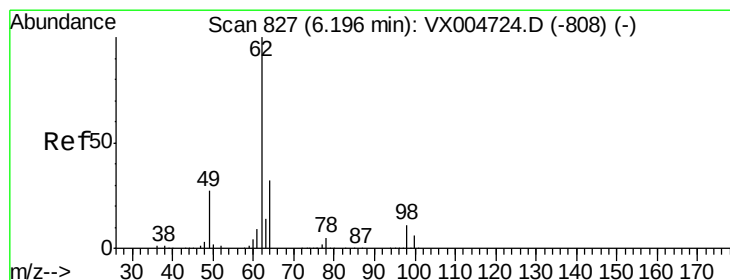
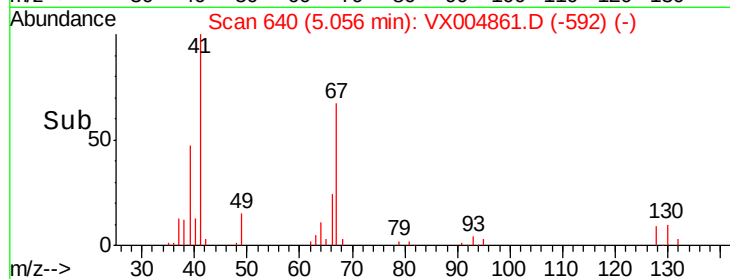
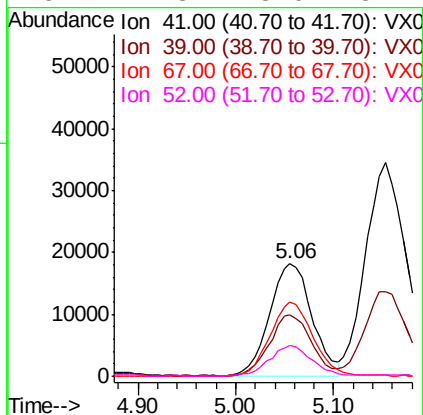
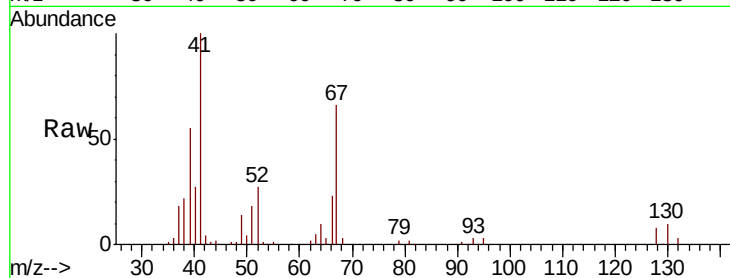
#41
Methacrylonitrile
Concen: 18.161 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.4	63.6	
67	65.7	59.2	88.8	
52	27.3	23.0	34.4	

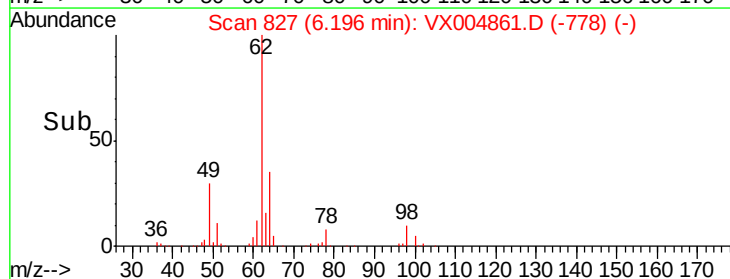
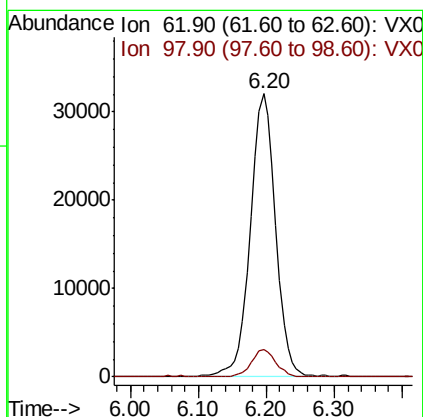
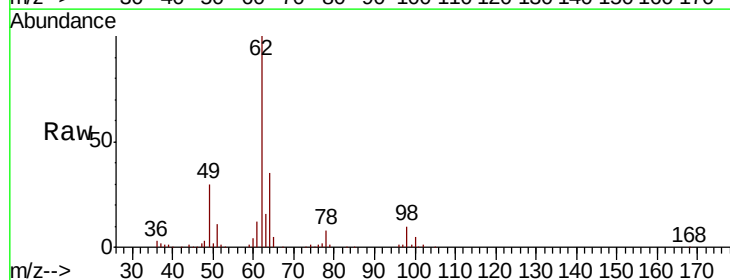
Manual Integrations
APPROVED

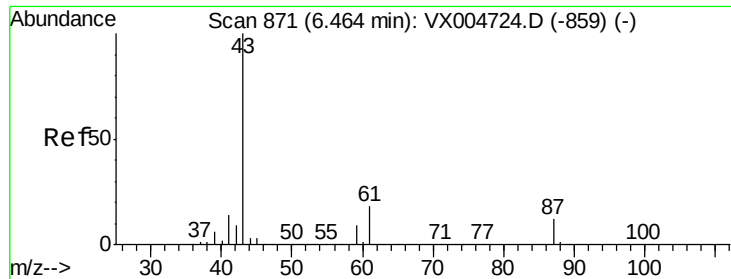
MMDadoda
10/4/2018 7:07:51 PM



#42
1,2-Dichloroethane
Concen: 17.999 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.6	





#43

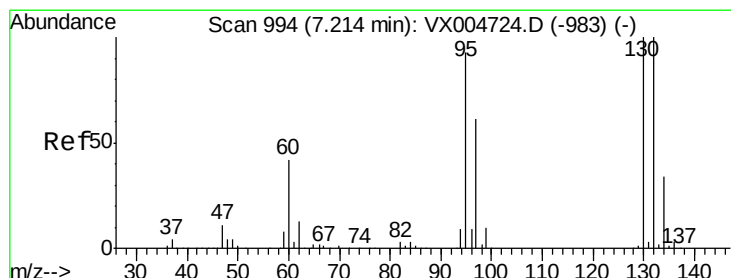
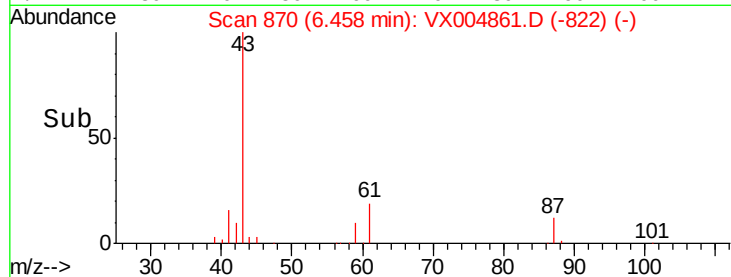
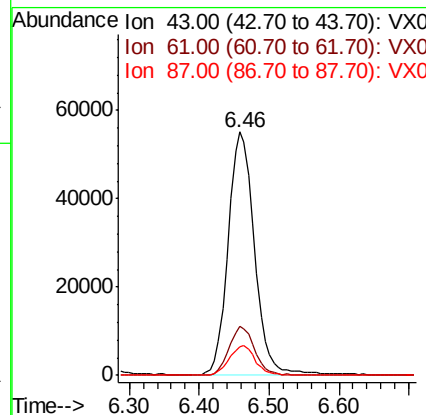
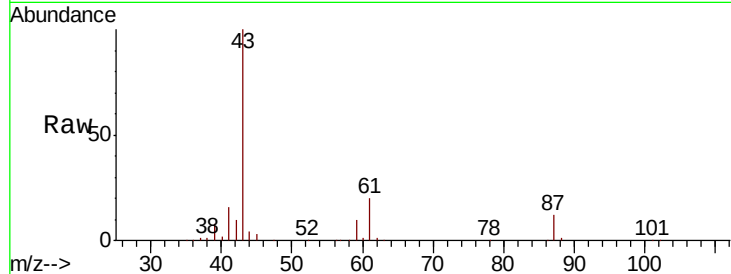
Isopropyl Acetate
 Concen: 17.949 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS01

Tot Ion	43	61	87
Ratio	100	19.7	12.3
Lower		17.0	11.4
Upper		25.4	17.2

Manual Integrations
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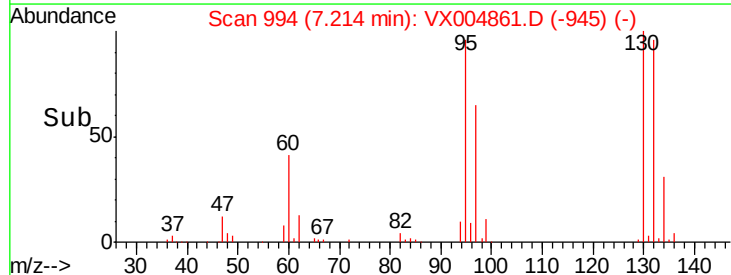
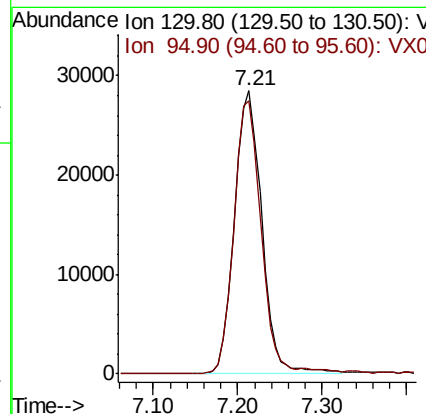
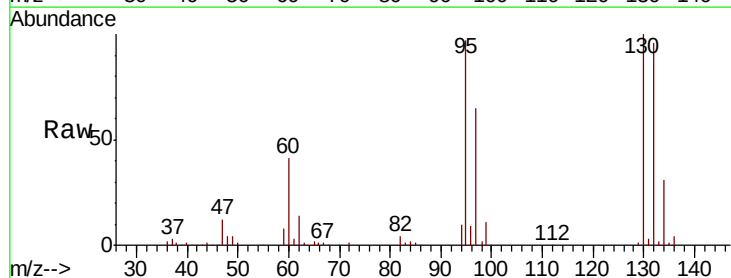
MMDadoda
 10/4/2018 7:07:51 PM

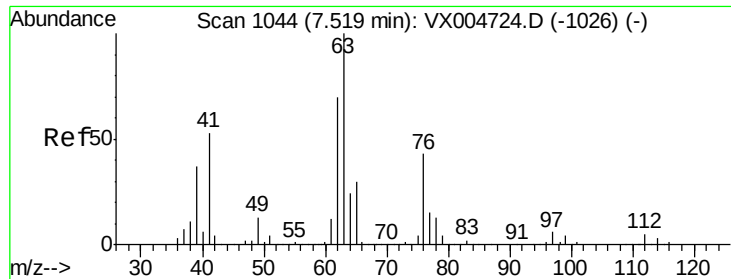


#44

Trichloroethene
 Concen: 19.659 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Tgt Ion	130	95
Ratio	100	96.5
Lower		0.0
Upper		181.6





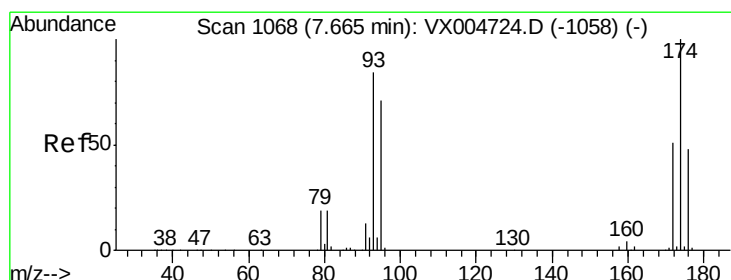
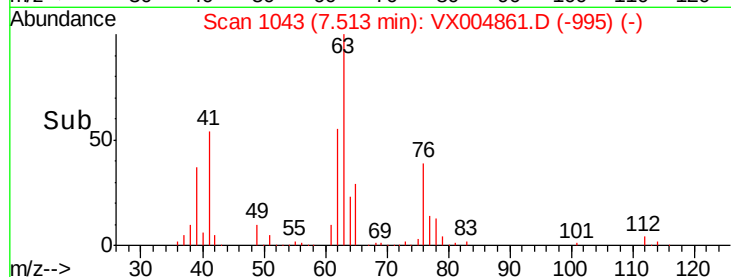
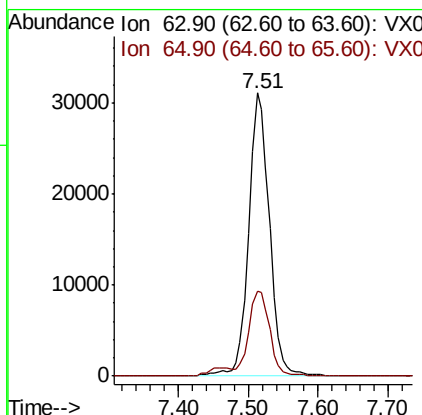
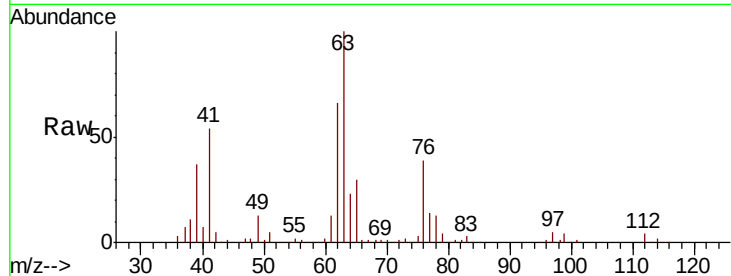
#45
 1,2-Dichloropropane
 Concen: 20.113 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX1001WBS01

Tot Ion: 63 Resp: 64090
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.3 36.5

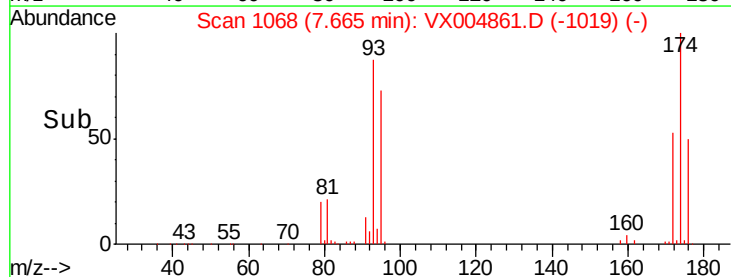
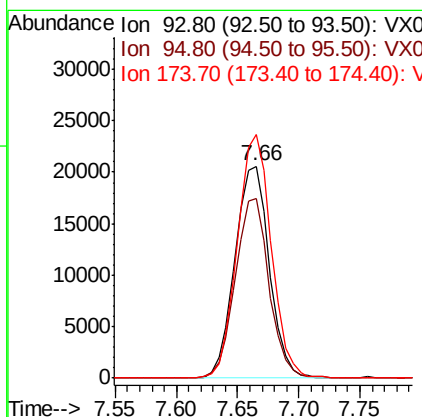
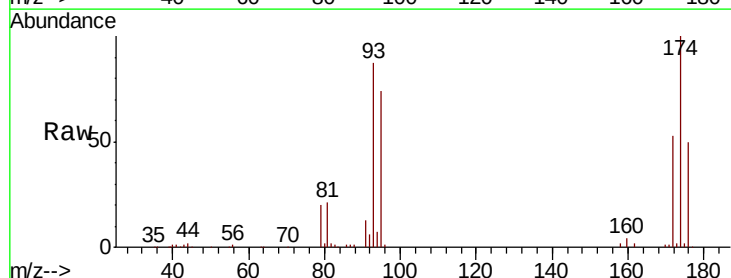
Manual Integrations
 APPROVED

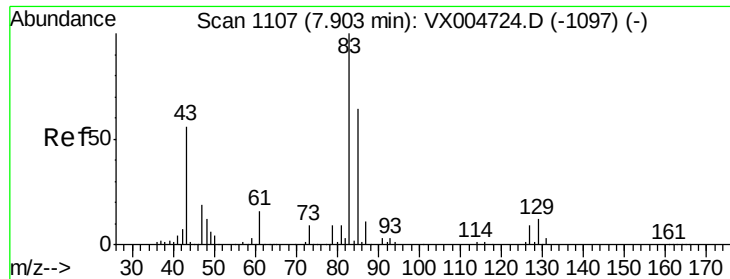
MMDadoda
 10/4/2018 7:07:51 PM



#46
 Dibromomethane
 Concen: 20.030 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Tgt Ion: 93 Resp: 40111
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.5 98.3
 174 113.8 94.2 141.4





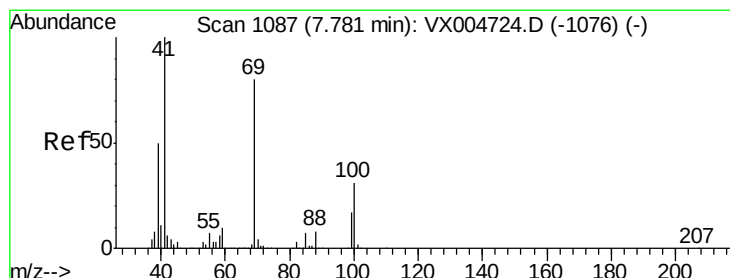
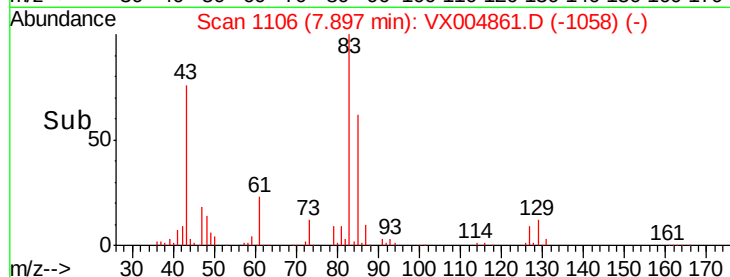
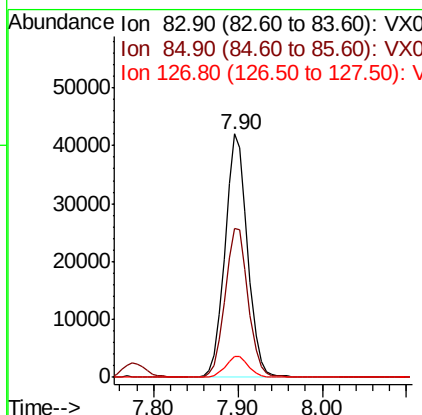
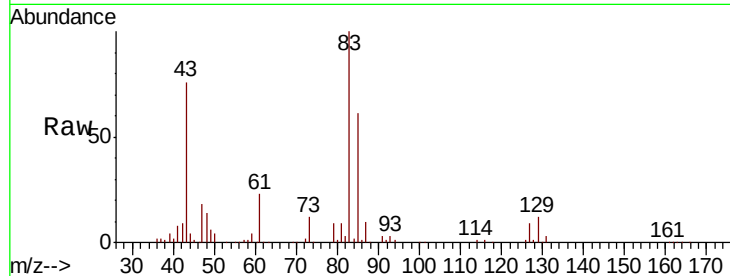
#47
Bromodichloromethane
Concen: 20.409 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	83	Resp	76521
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	50.9	76.3
127	8.7	7.3	10.9

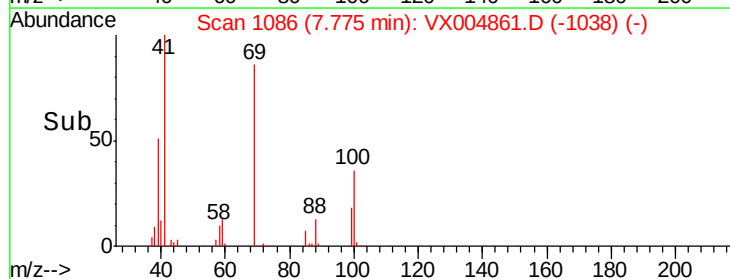
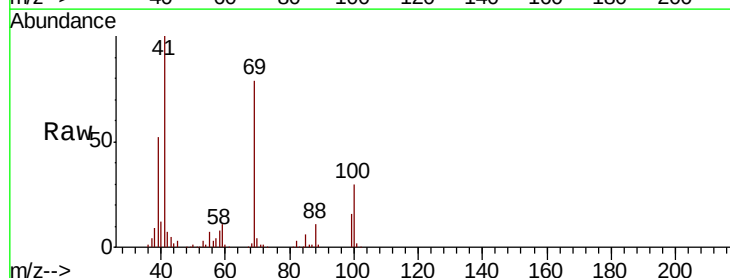
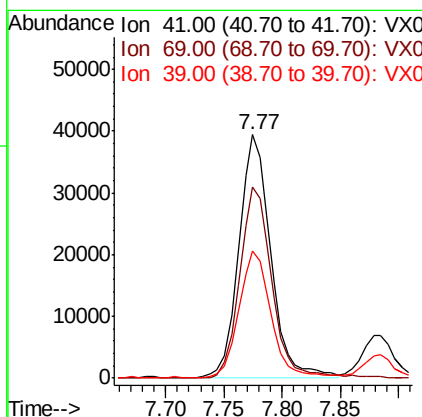
Manual Integrations
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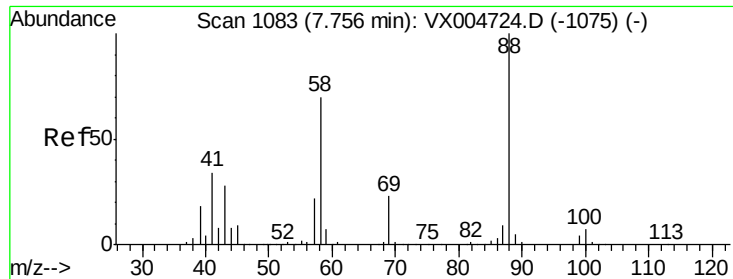
MMDadoda
10/4/2018 7:07:51 PM



#48
Methyl methacrylate
Concen: 20.740 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	41	Resp	74857
Ion Ratio	100	Lower	Upper
41	100		
69	80.2	70.2	105.4
39	51.6	42.7	64.1





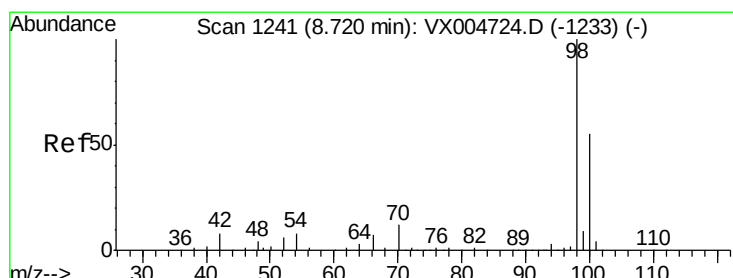
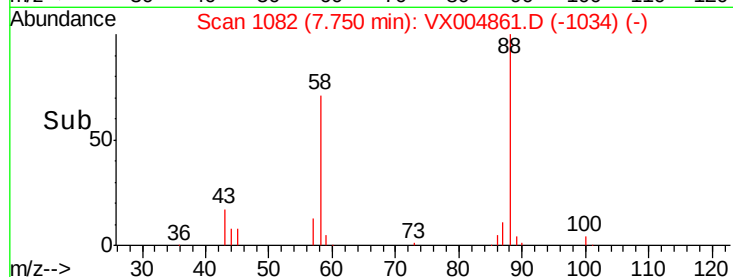
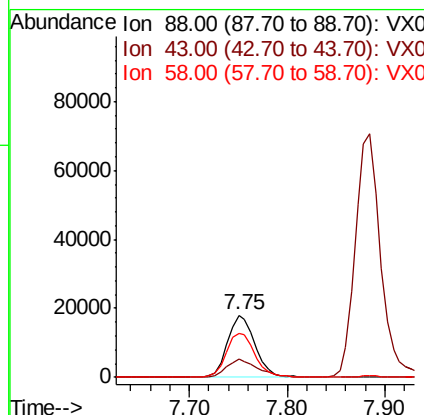
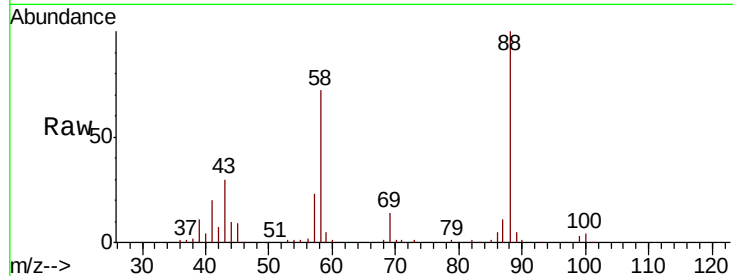
#49
1,4-Dioxane
Concen: 392.251 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	24.7	37.1
58	74.2	55.3	82.9

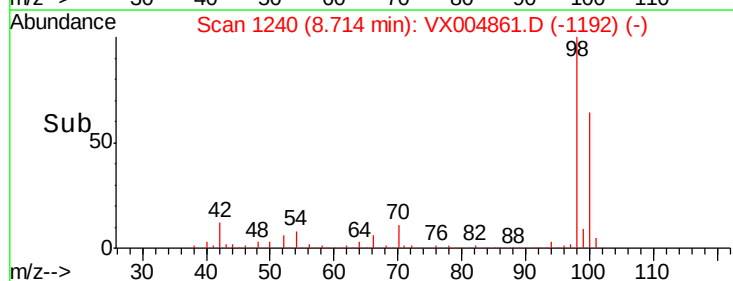
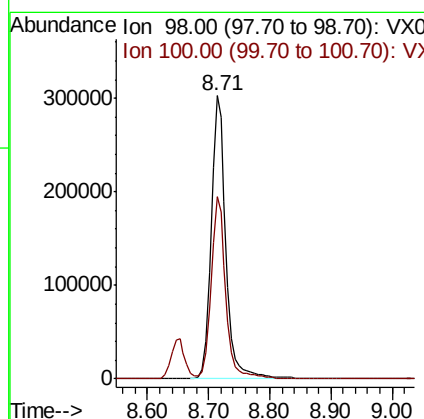
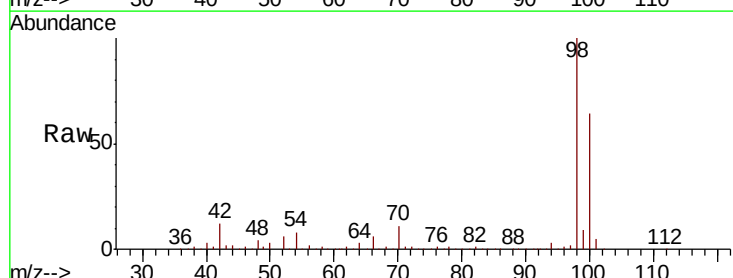
Manual Integrations
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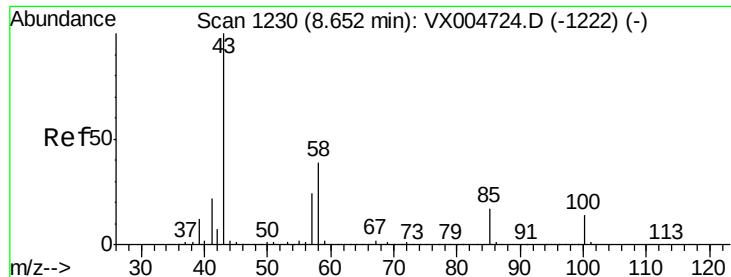
MMDadoda
10/4/2018 7:07:51 PM



#50
Toluene-d8
Concen: 50.636 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.9	79.3





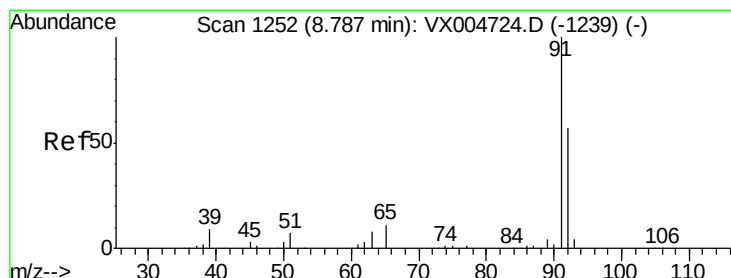
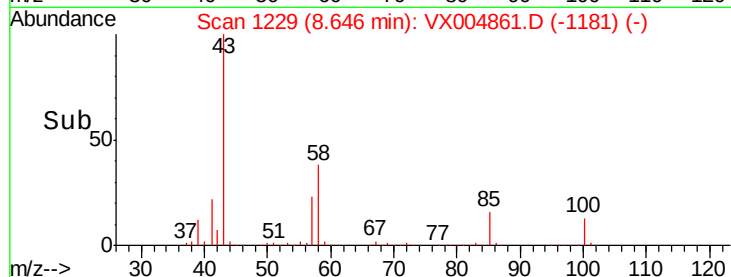
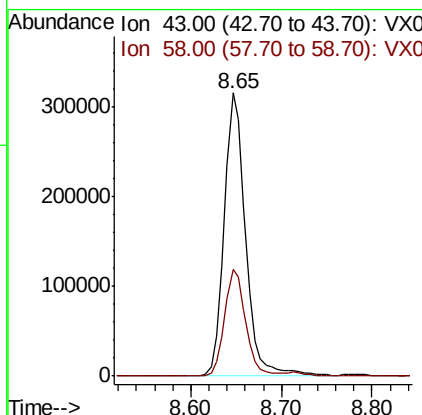
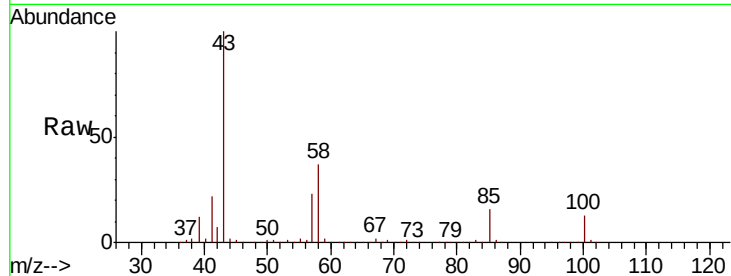
#51
4-Methyl-2-Pentanone
Concen: 103.724 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampled :
VX1001WBS01

Tot Ion: 43 Resp: 519328
Ion Ratio Lower Upper
43 100
58 37.0 33.1 49.7

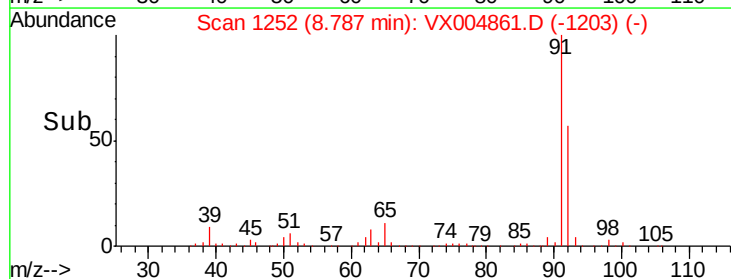
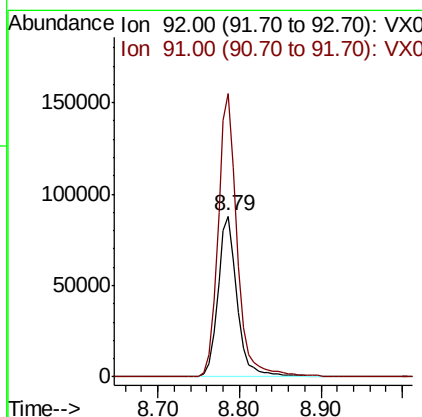
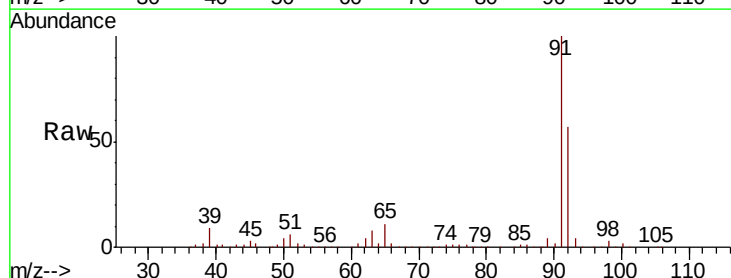
Manual Integrations
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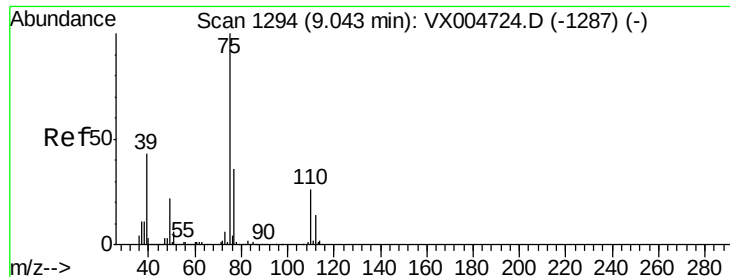
MMDadoda
10/4/2018 7:07:51 PM



#52
Toluene
Concen: 20.390 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion: 92 Resp: 145583
Ion Ratio Lower Upper
92 100
91 175.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.897 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion: 75 Resp: 84302

Ion Ratio Lower Upper

75 100

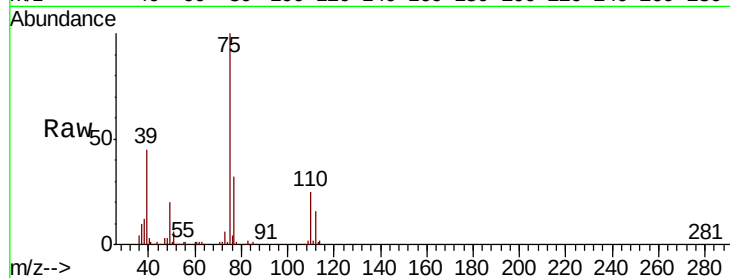
77 32.3 24.6 37.0

Manual Integrations

APPROVED

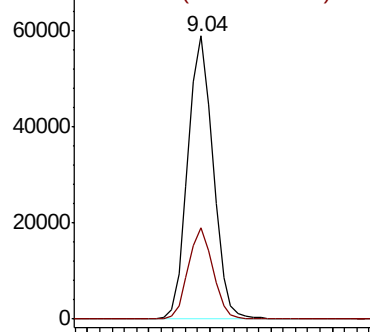
MMDadoda

10/4/2018 7:07:51 PM

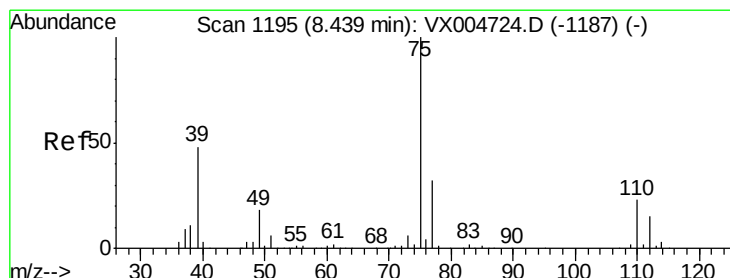
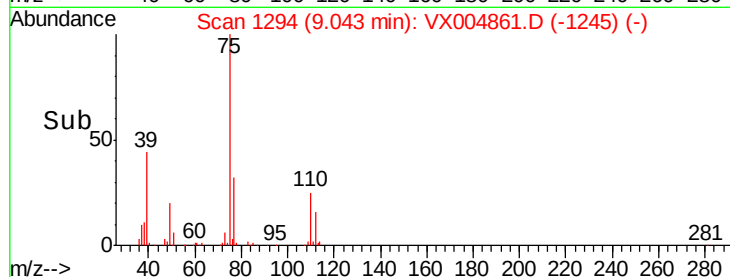


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 20.893 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

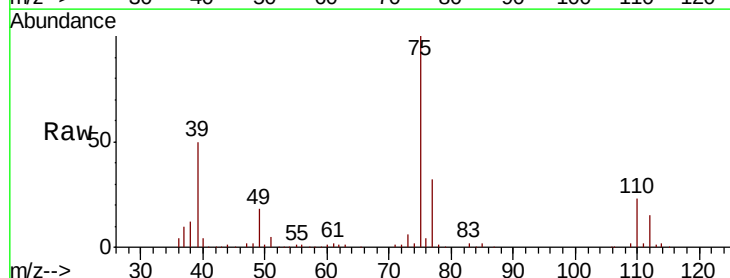
Tgt Ion: 75 Resp: 92721

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

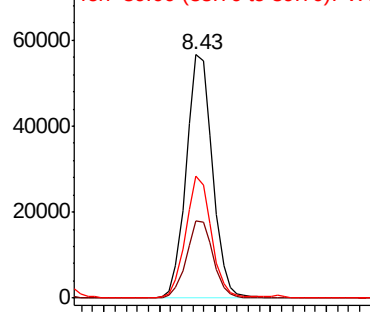
39 49.6 36.4 54.6



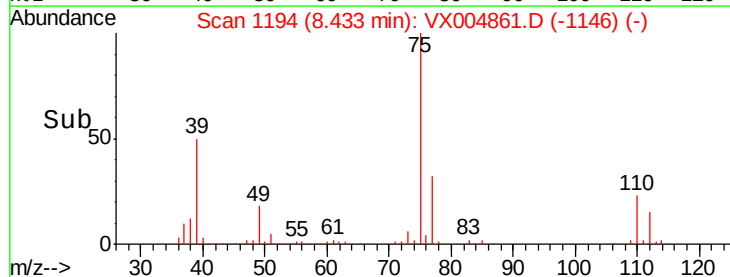
Abundance Ion 74.90 (74.60 to 75.60): VX0

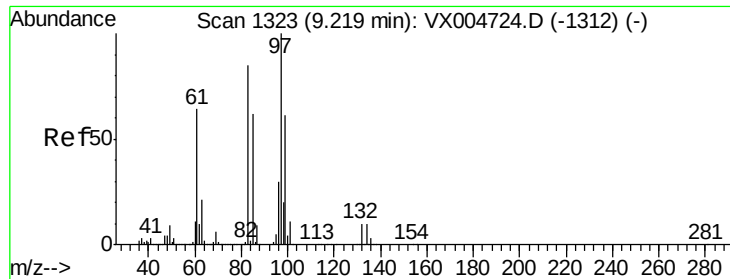
Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time--> 8.35 8.40 8.45 8.50 8.55





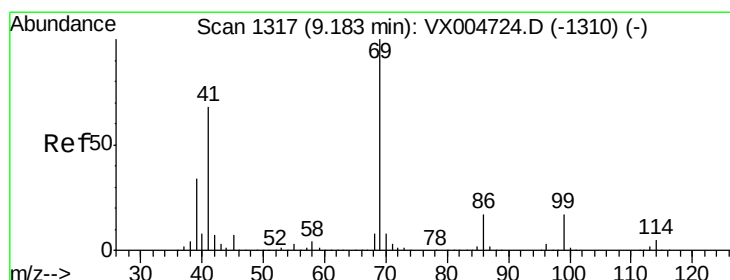
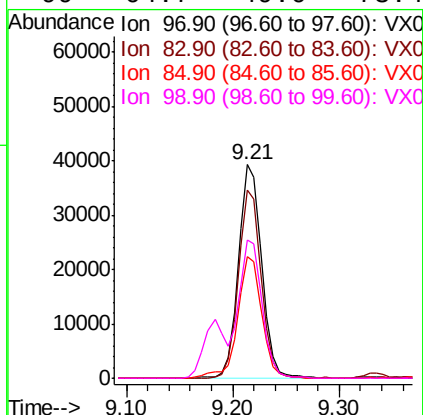
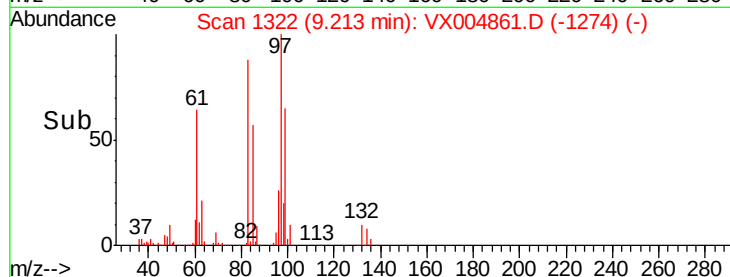
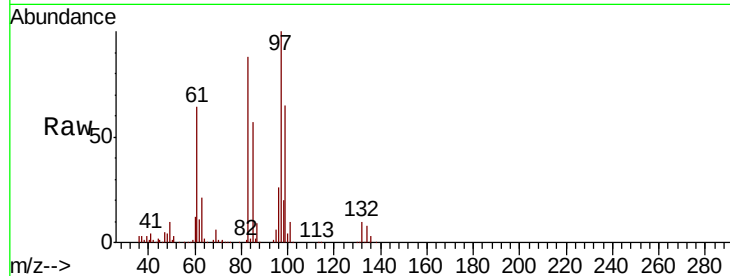
#55
 1,1,2-Trichloroethane
 Concen: 19.253 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		60214		
83	88.0	66.4	99.6		
85	57.2	43.3	64.9		
99	64.7	49.0	73.4		

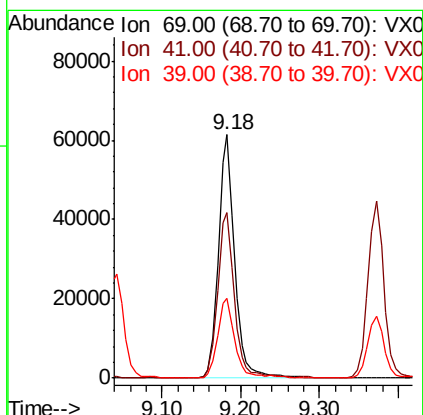
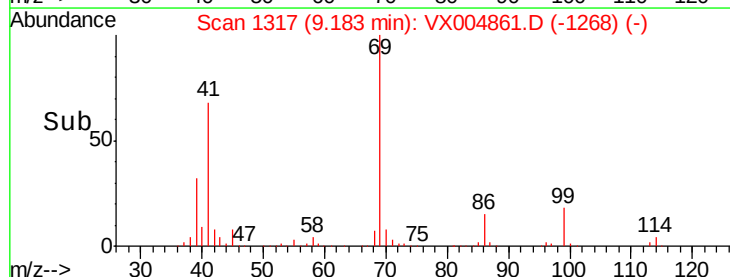
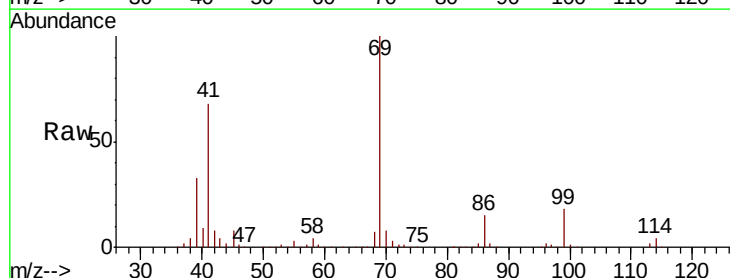
Manual Integrations
 APPROVED

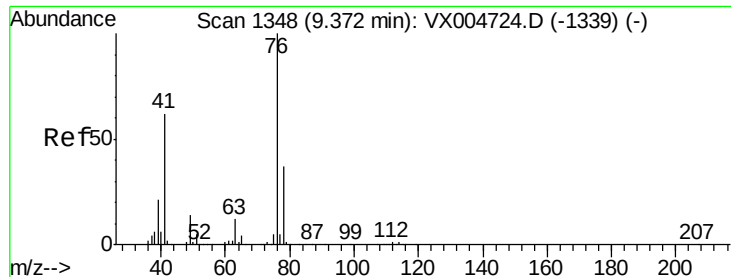
MMDadoda
 10/4/2018 7:07:51 PM



#56
 Ethyl methacrylate
 Concen: 19.282 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		88390		
41	69.5	51.0	76.4		
39	33.9	26.1	39.1		





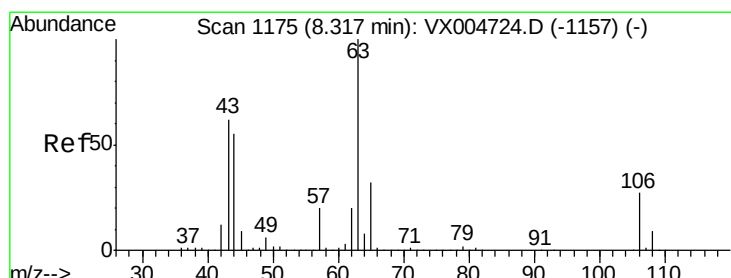
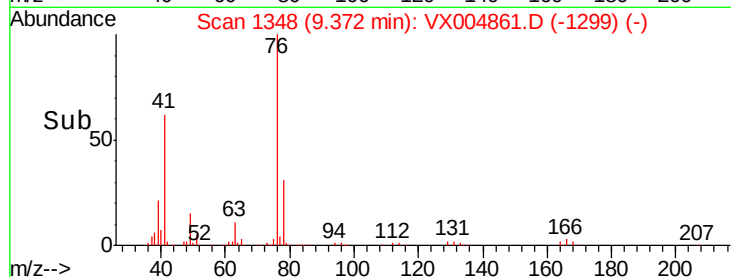
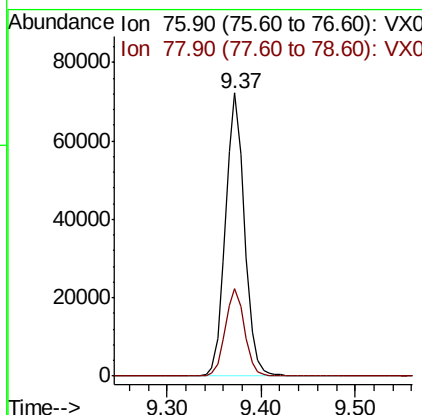
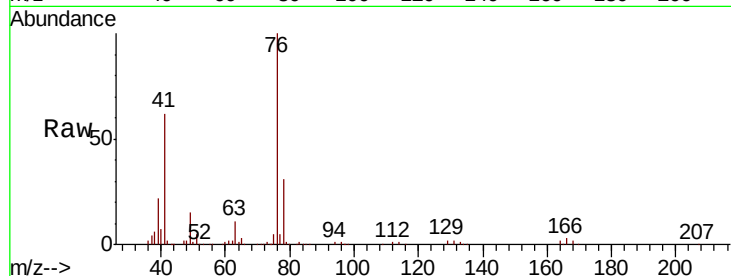
#57
 1,3-Dichloropropane
 Concen: 19.442 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

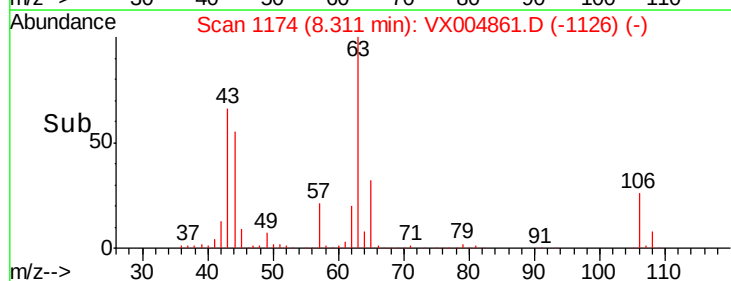
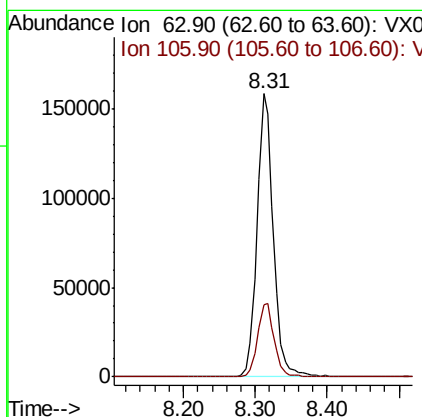
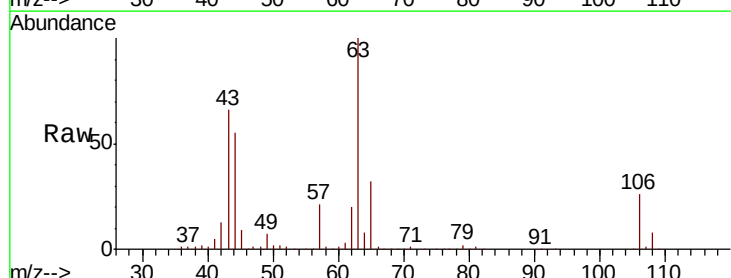
Manual Integrations
 APPROVED

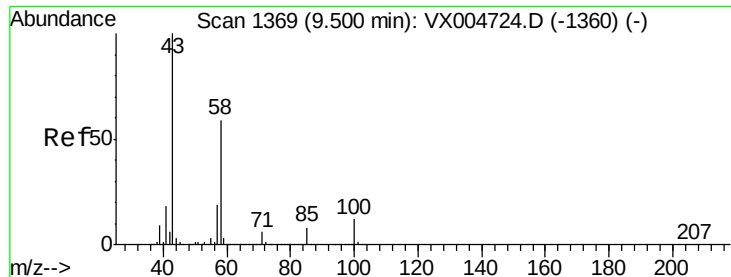
MMDadoda
 10/4/2018 7:07:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.867 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	23.9	35.9





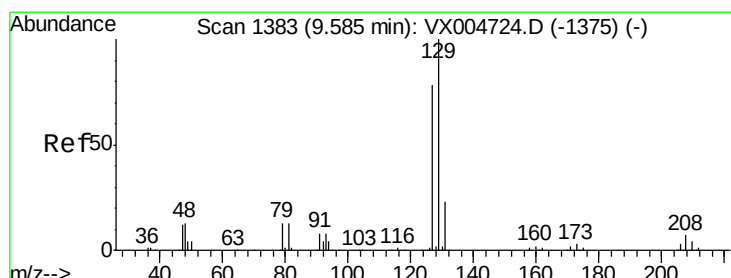
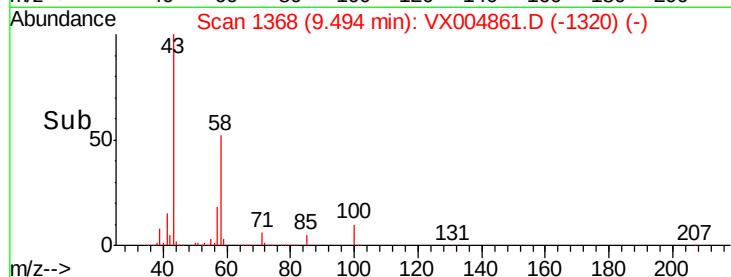
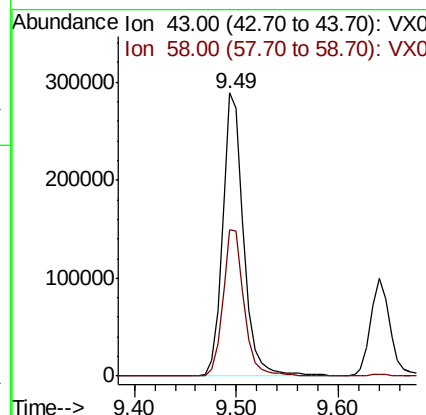
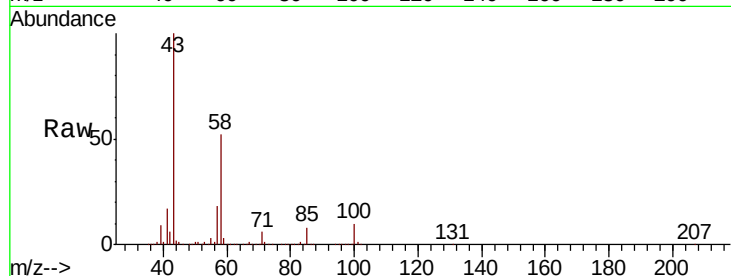
#59
2-Hexanone
Concen: 99.359 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.4	29.0	87.0

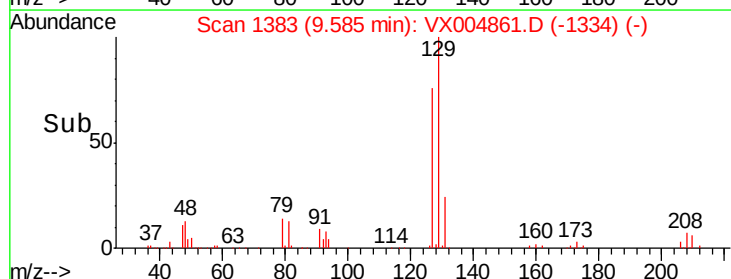
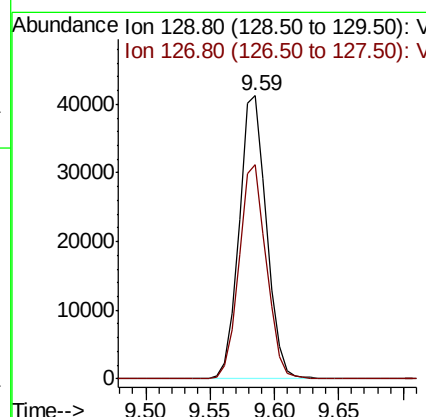
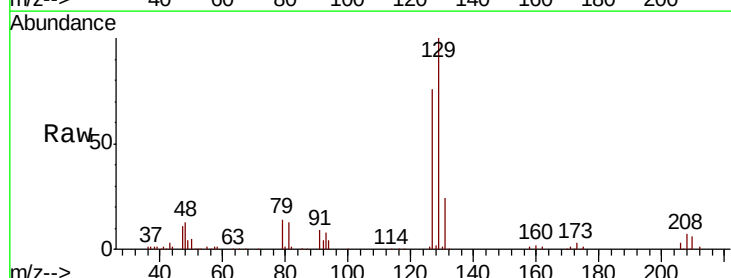
Manual Integrations
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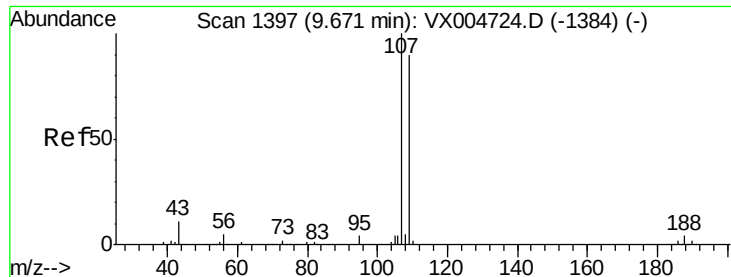
MMDadoda
10/4/2018 7:07:51 PM



#60
Dibromochloromethane
Concen: 19.417 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.5	115.5





#61

1,2-Dibromoethane

Concen: 18.414 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampled :

VX1001WBS01

Tot Ion:107 Resp: 61674

Ion Ratio Lower Upper

107 100

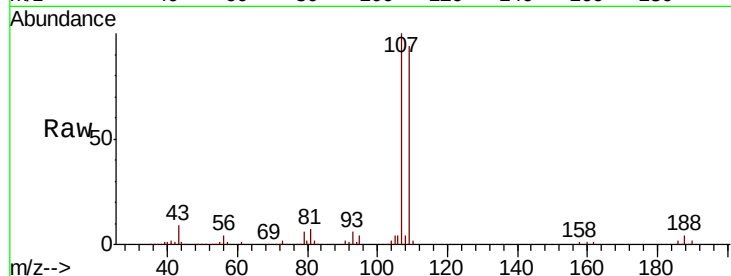
109 94.0 76.0 114.0

Manual Integrations

APPROVED

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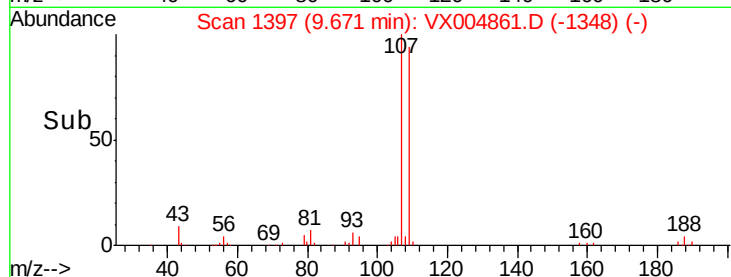
10/4/2018 7:07:51 PM



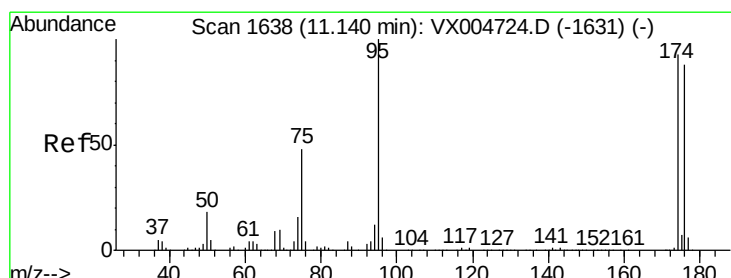
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



Time-->



#62

4-Bromofluorobenzene

Concen: 51.648 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

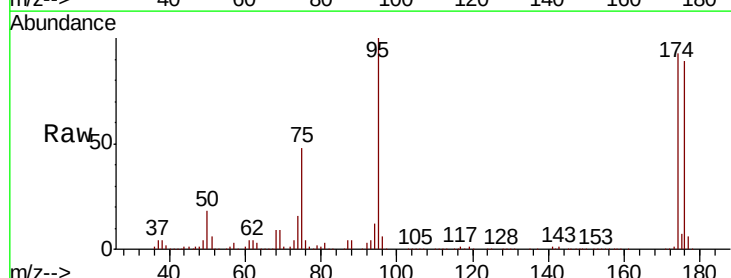
Tgt Ion: 95 Resp: 188169

Ion Ratio Lower Upper

95 100

174 90.9 0.0 185.2

176 87.0 0.0 178.6

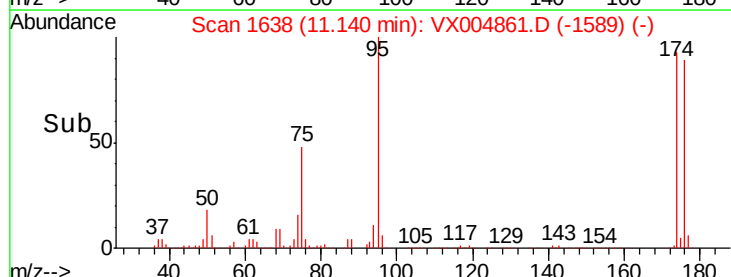


Abundance Ion 94.90 (94.60 to 95.60): VX0

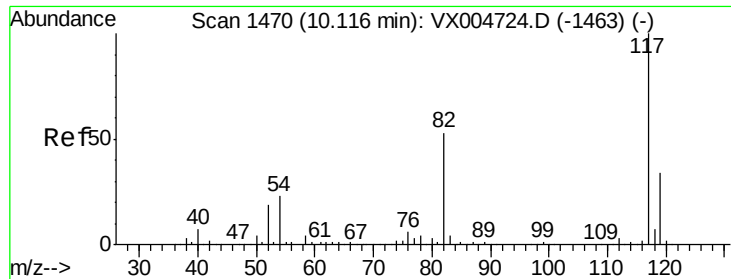
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14



Time-->



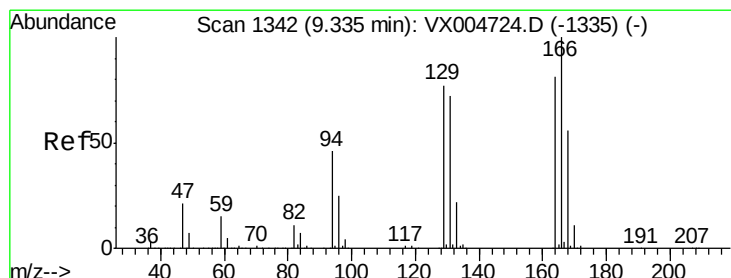
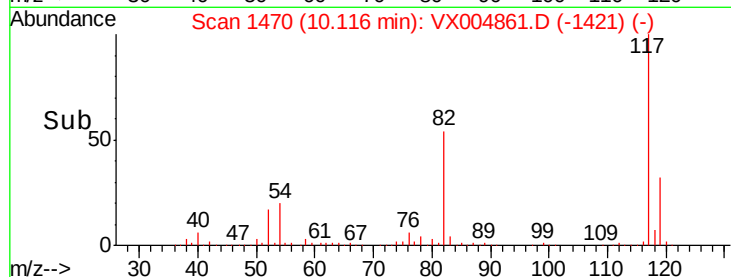
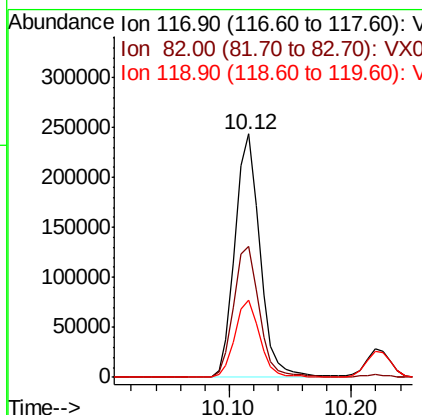
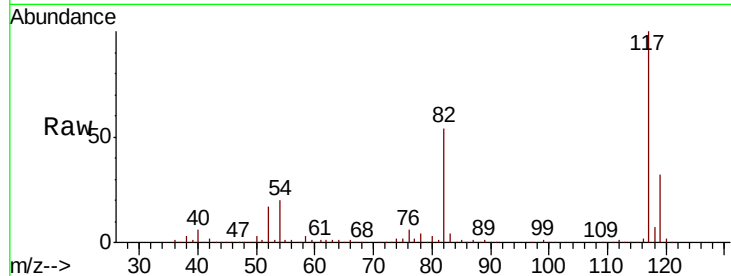
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	47.8	71.6
119	31.9	29.3	43.9

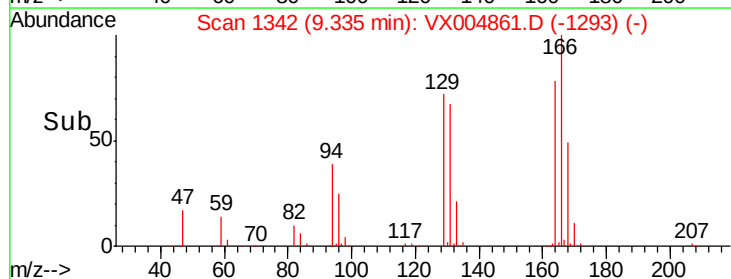
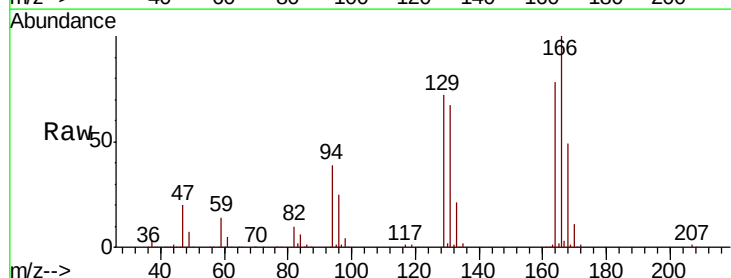
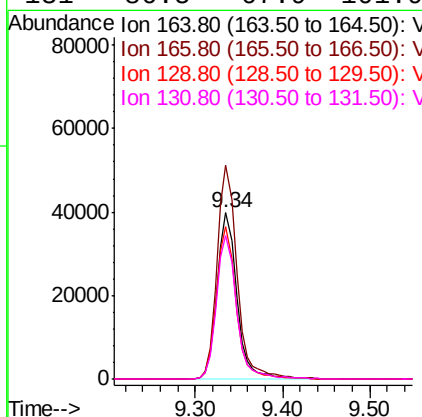
Manual Integrations
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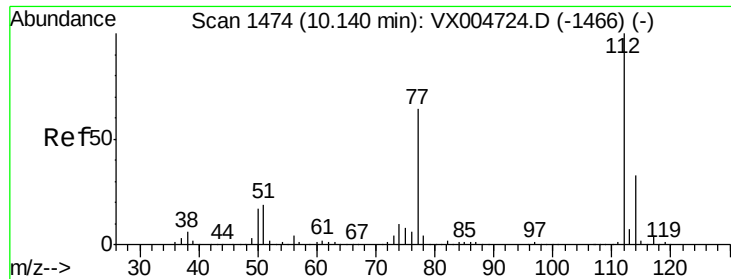
MMDadoda
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#64
Tetrachloroethene
Concen: 18.503 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.8	154.2
129	91.9	69.4	104.0
131	86.5	67.9	101.9





#65

Chlorobenzene

Concen: 18.519 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampled :

VX1001WBS01

Tot Ion:112 Resp: 163869

Ion Ratio Lower Upper

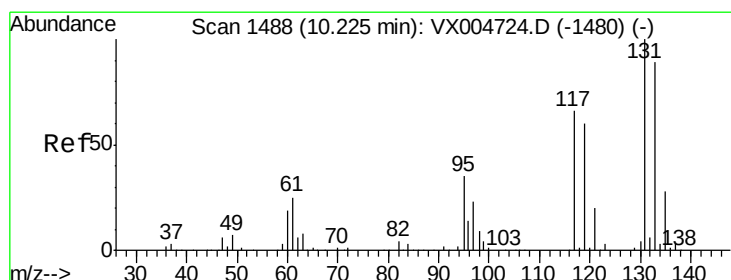
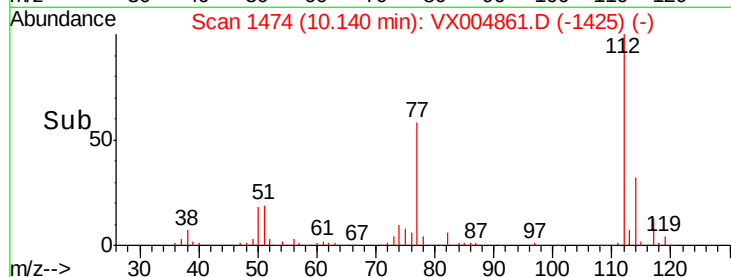
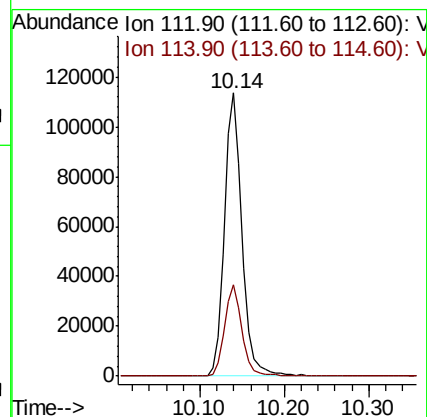
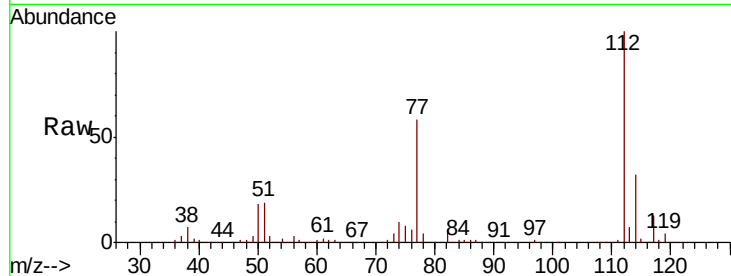
112 100

114 32.2 27.8 41.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.526 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

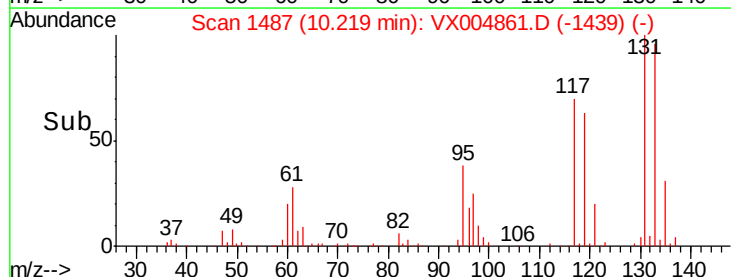
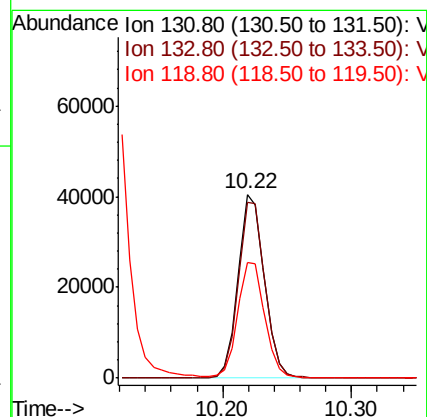
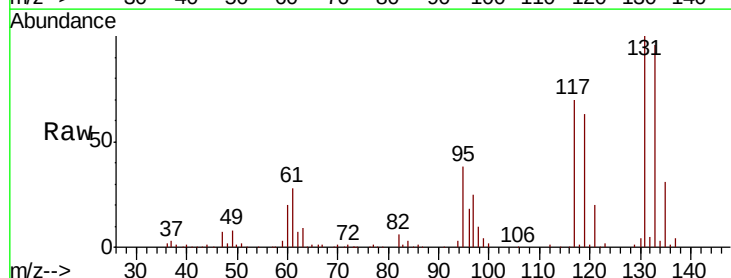
Tgt Ion:131 Resp: 57633

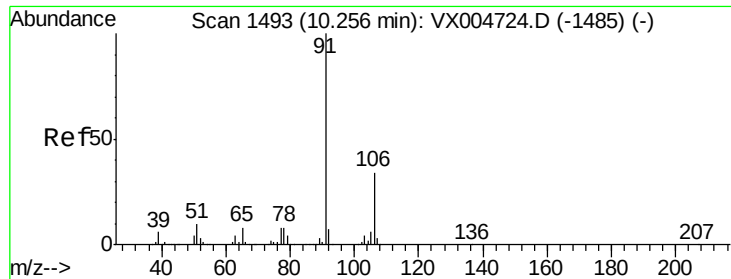
Ion Ratio Lower Upper

131 100

133 97.1 48.1 144.4

119 65.2 32.9 98.6





#67

Ethyl Benzene

Concen: 19.266 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampled :

VX1001WBS01

Tot Ion: 91 Resp: 270666

Ion Ratio Lower Upper

91 100

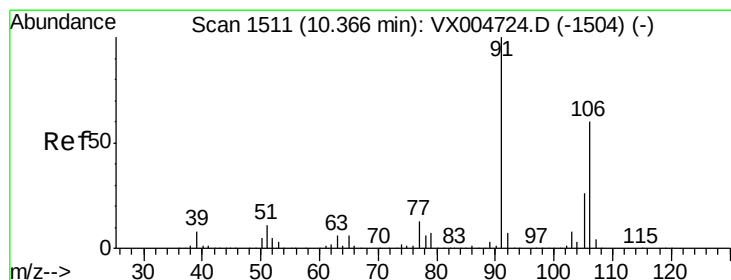
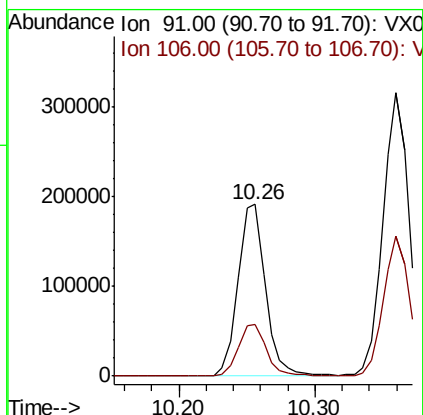
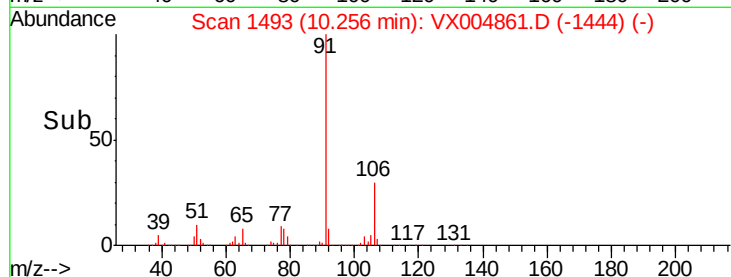
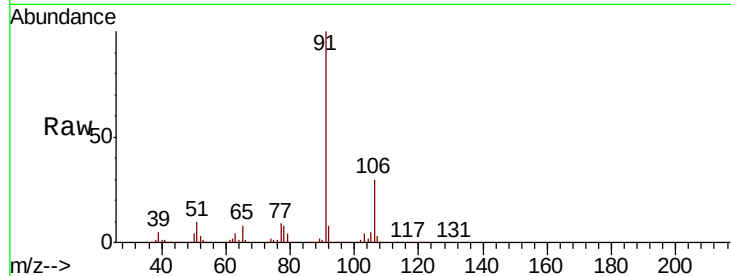
106 30.2 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.275 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004861.D

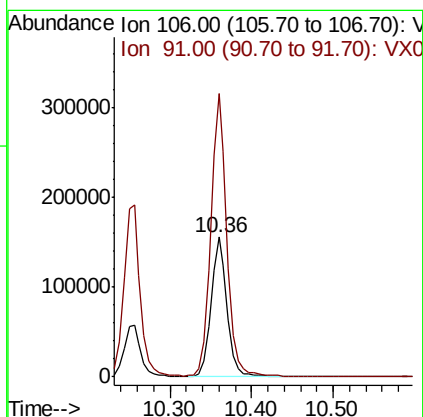
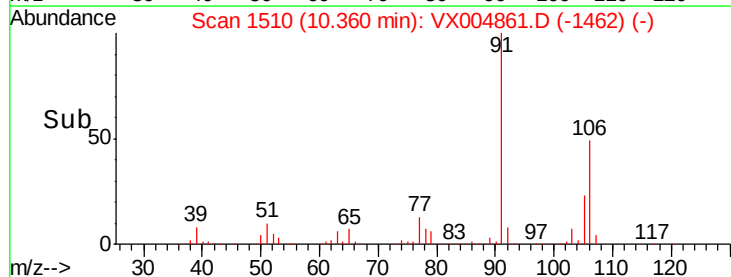
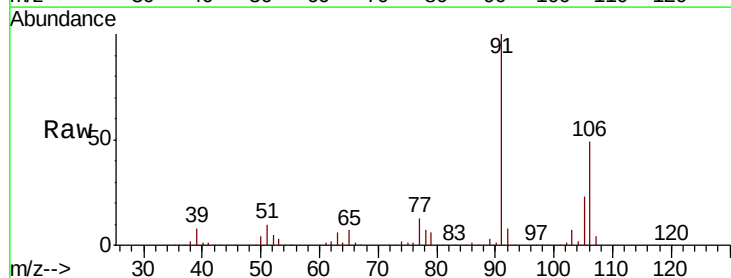
Acq: 01 Oct 2018 11:00

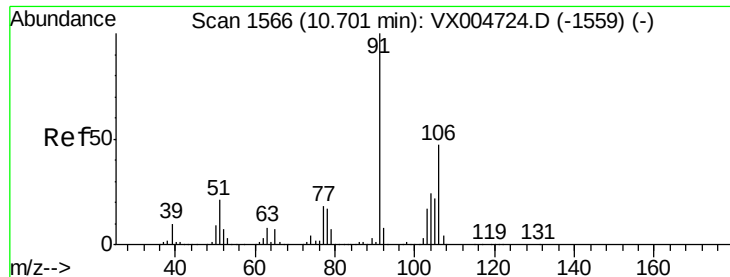
Tgt Ion: 106 Resp: 215615

Ion Ratio Lower Upper

106 100

91 203.8 157.1 235.7





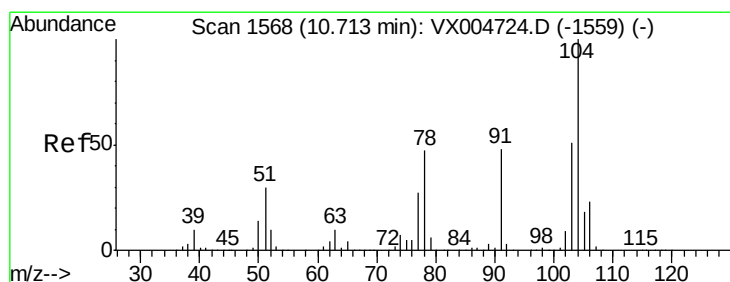
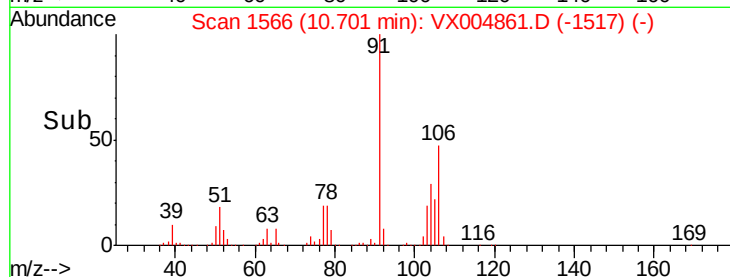
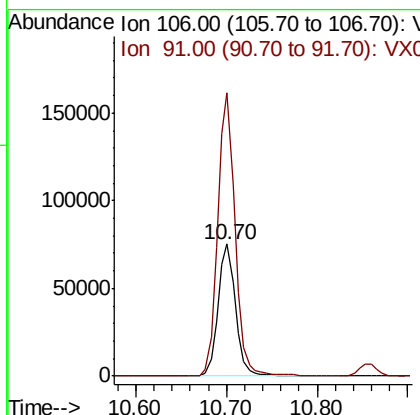
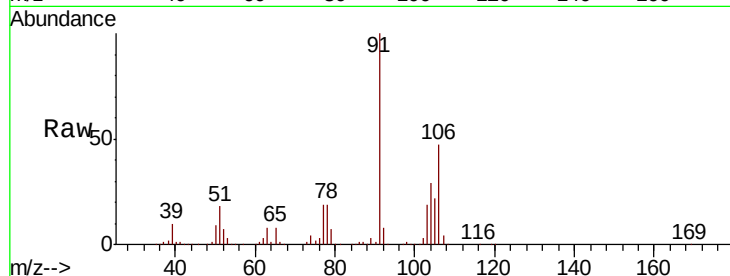
#69
o-Xylene
Concen: 20.178 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampled :
VX1001WBS01

Tot Ion:106 Resp: 101748
Ion Ratio Lower Upper
106 100
91 213.6 105.1 315.1

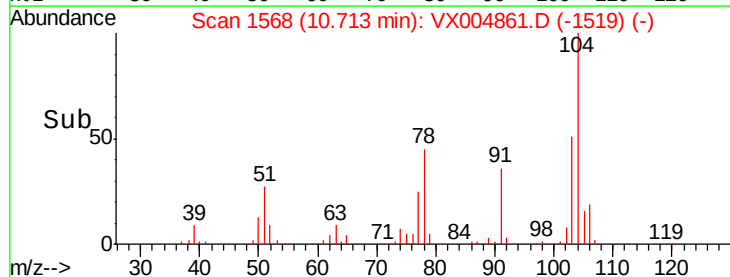
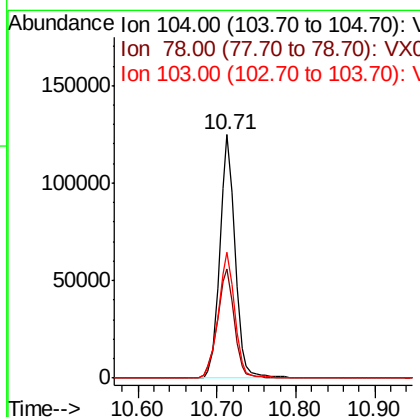
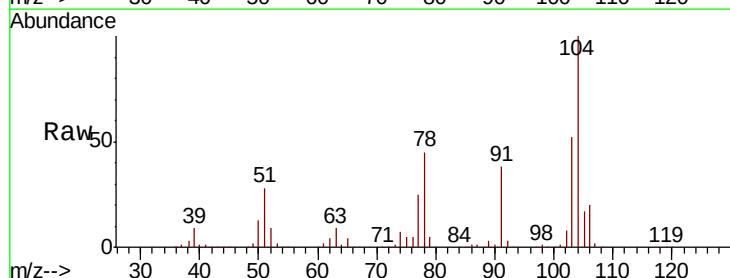
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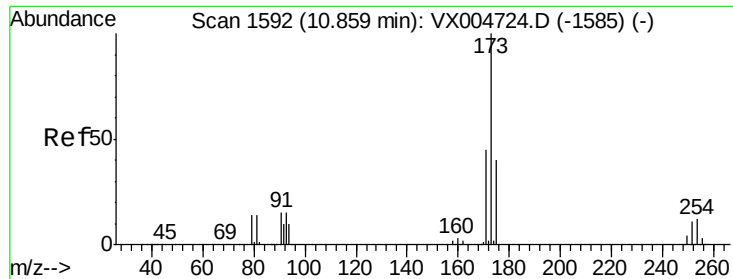
MMDadoda
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#70
Styrene
Concen: 19.329 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion:104 Resp: 169348
Ion Ratio Lower Upper
104 100
78 49.7 37.4 56.0
103 56.2 43.8 65.6





#71

Bromoform

Concen: 18.152 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion:173 Resp: 48344

Ion Ratio Lower Upper

173 100

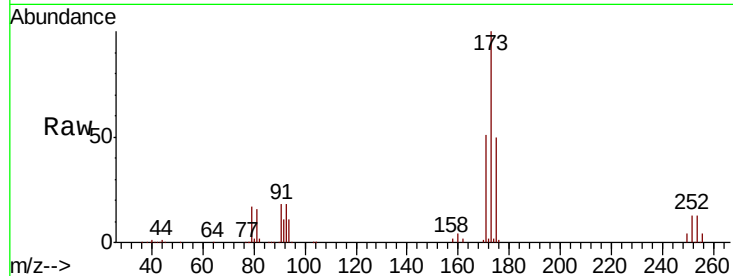
175 49.5 24.1 72.3

254 0.2 0.2 0.2

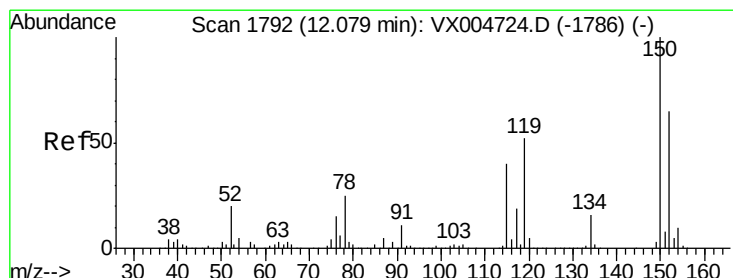
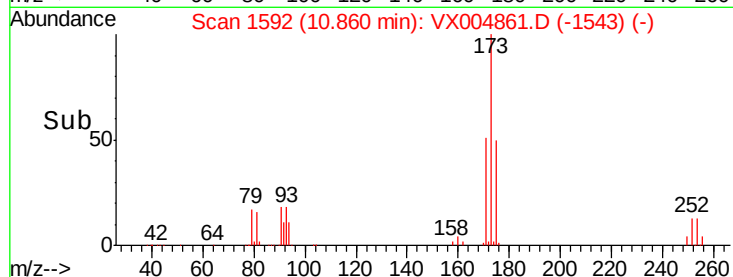
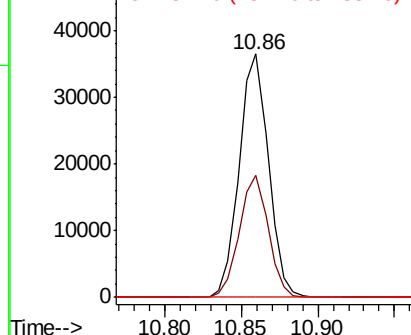
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

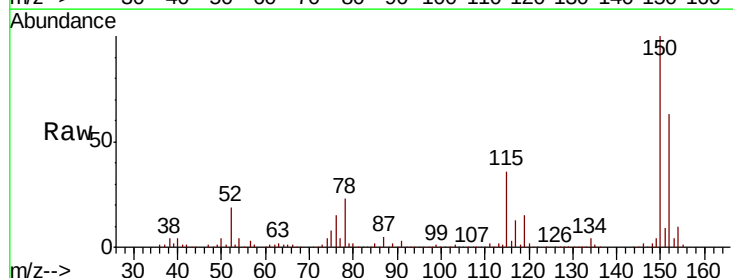
Tgt Ion:152 Resp: 211916

Ion Ratio Lower Upper

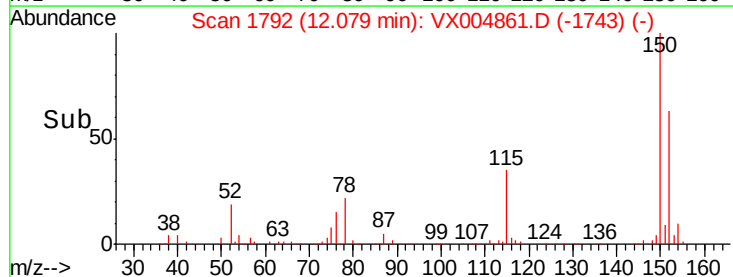
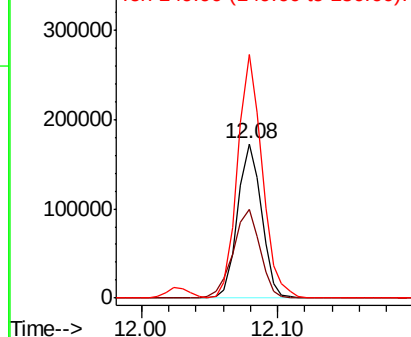
152 100

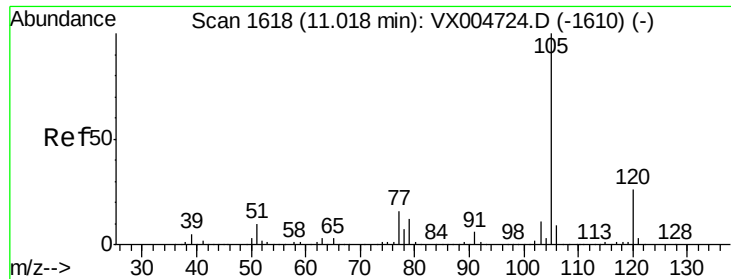
115 64.8 39.0 117.0

150 162.5 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: 20.782 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion: 105 Resp: 277591

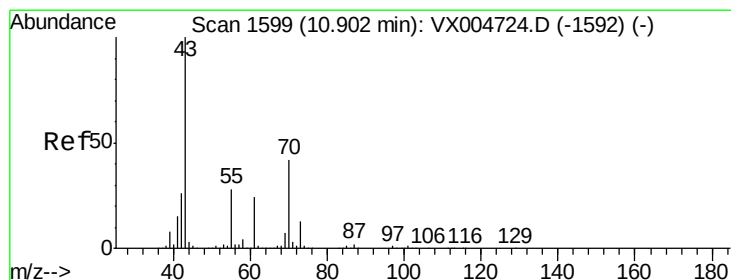
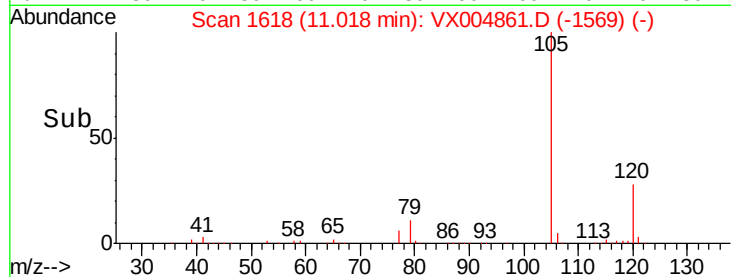
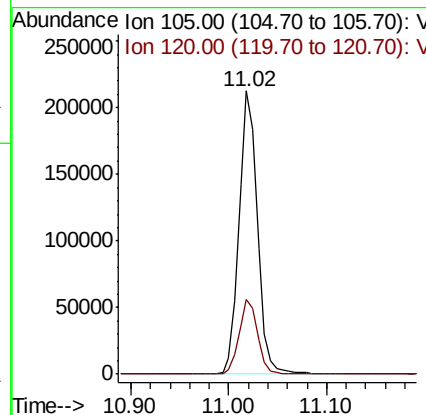
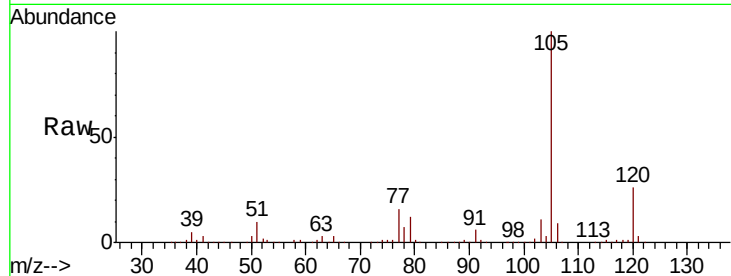
Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.359 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Tgt Ion: 43 Resp: 126371

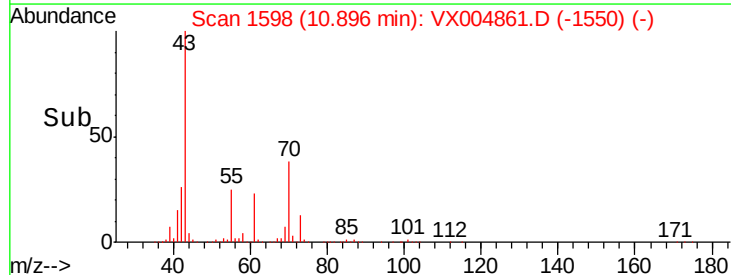
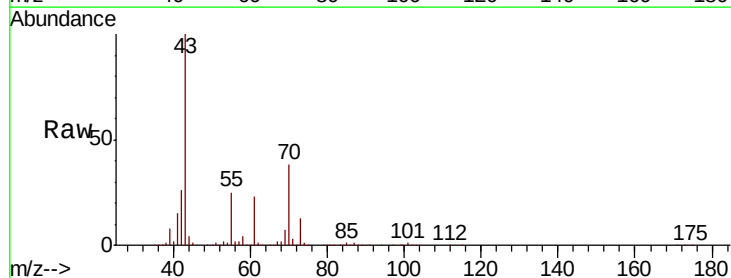
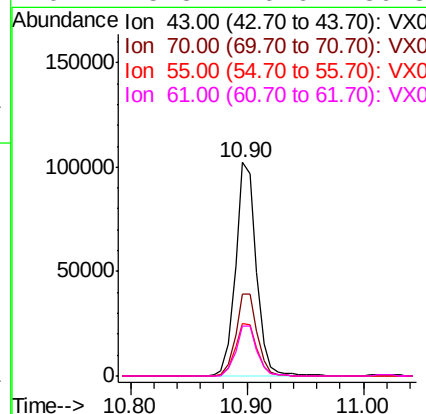
Ion Ratio Lower Upper

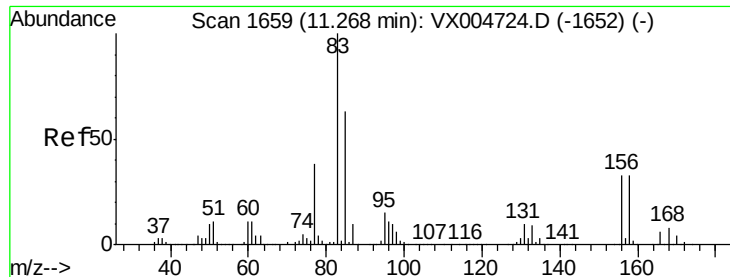
43 100

70 39.7 37.4 56.0

55 25.5 21.8 32.8

61 23.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.065 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

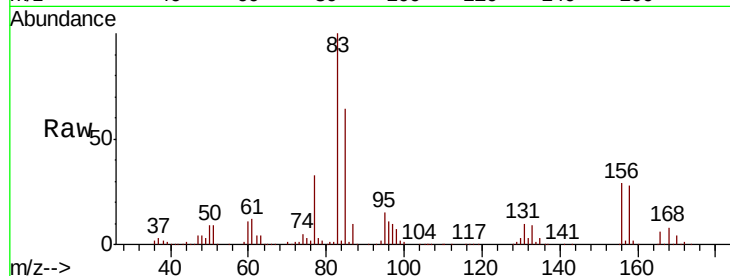
ClientSampleId :

VX1001WBS01

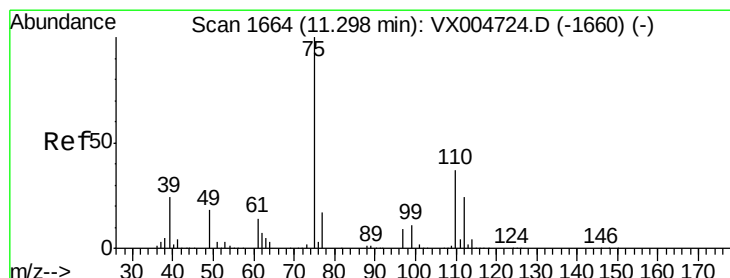
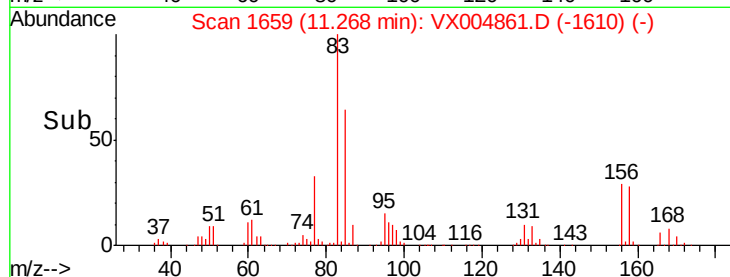
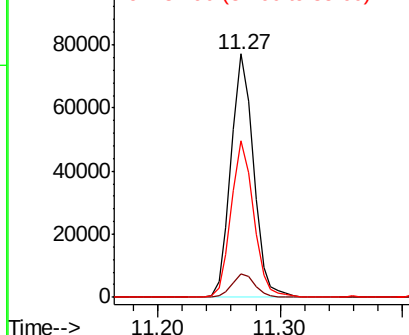
Tot Ion:	83	Resp:	98226
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	64.2	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.836 ug/l m

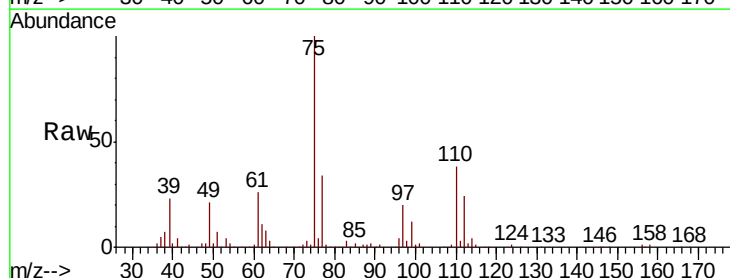
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

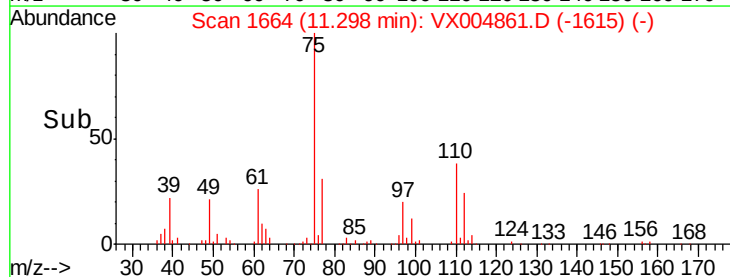
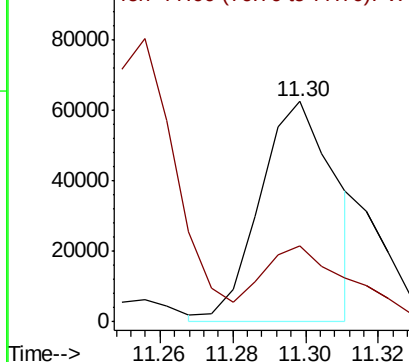
Lab File: VX004861.D

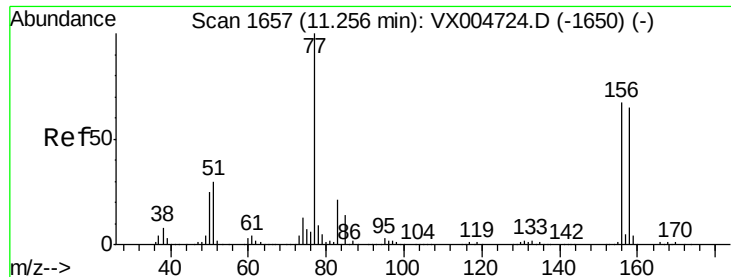
Acq: 01 Oct 2018 11:00

Tgt Ion:	75	Resp:	89469
Ion Ratio	Lower	Upper	
75	100		
77	40.8	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.239 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampled :

VX1001WBS01

Tot Ion:156 Resp: 74643

Ion Ratio Lower Upper

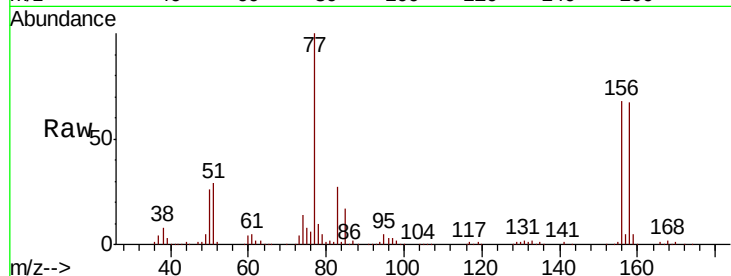
156 100

77 147.5 71.5 214.3

158 97.7 48.9 146.8

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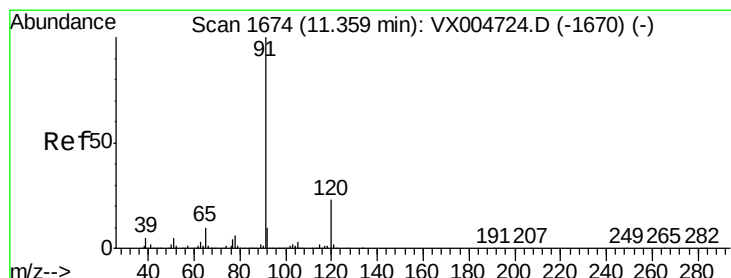
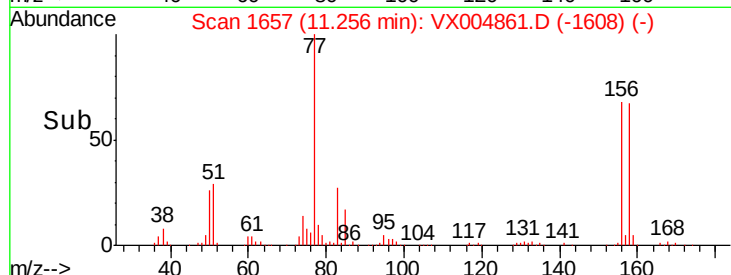
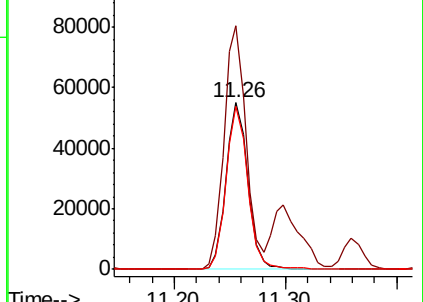
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.973 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004861.D

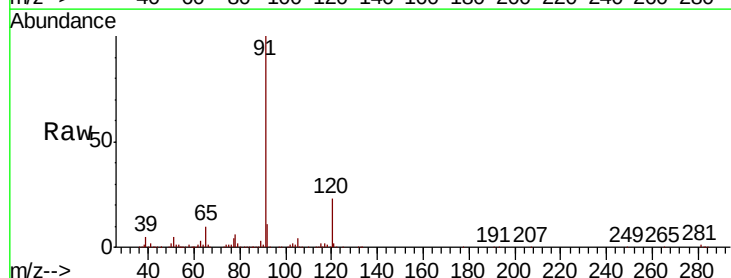
Acq: 01 Oct 2018 11:00

Tgt Ion: 91 Resp: 321433

Ion Ratio Lower Upper

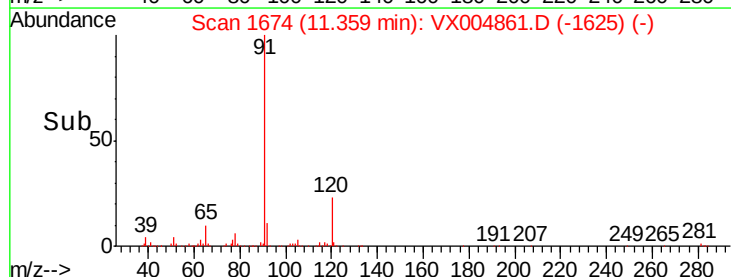
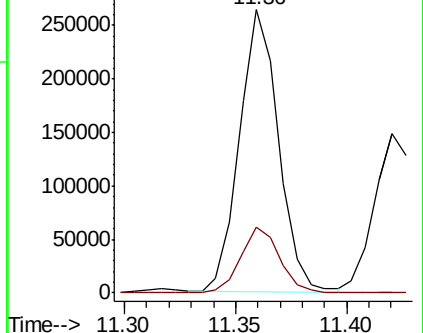
91 100

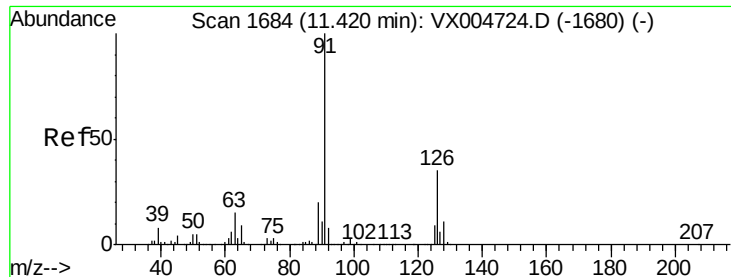
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.180 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion: 91 Resp: 192782

Ion Ratio Lower Upper

91 100

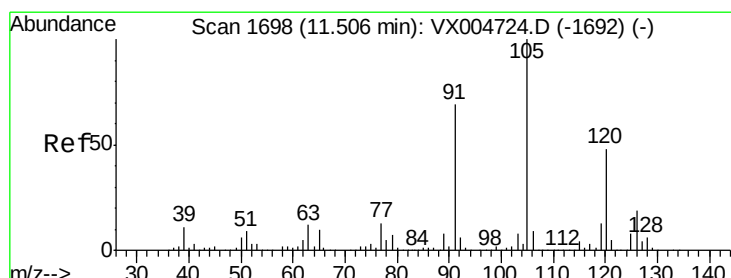
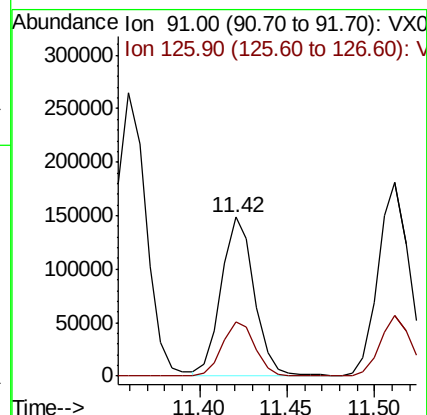
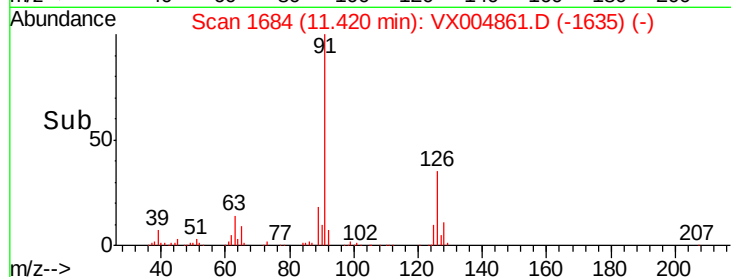
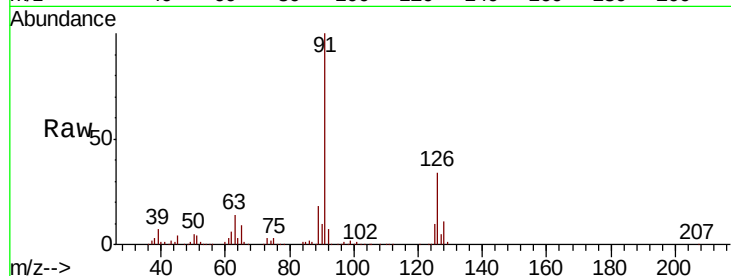
126 35.2 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 19.196 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004861.D

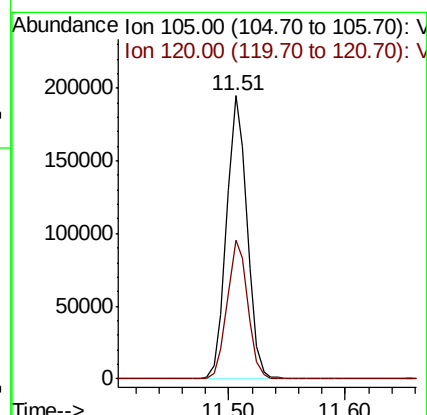
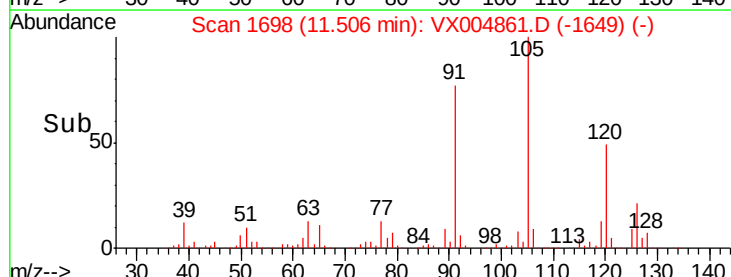
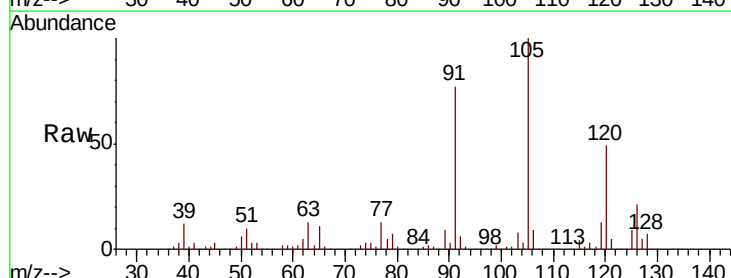
Acq: 01 Oct 2018 11:00

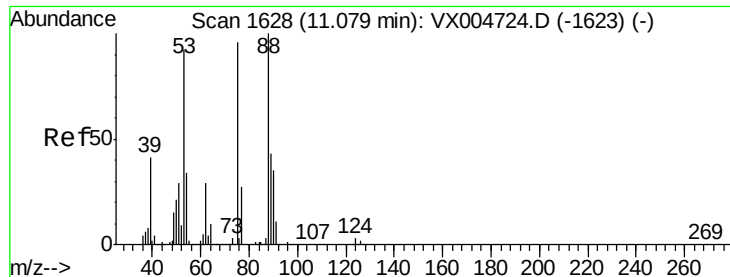
Tgt Ion:105 Resp: 236502

Ion Ratio Lower Upper

105 100

120 49.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.007 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS01

Tot Ion: 75 Resp: 27239

Ion Ratio Lower Upper

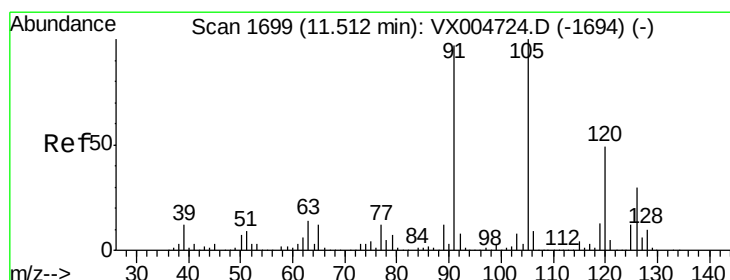
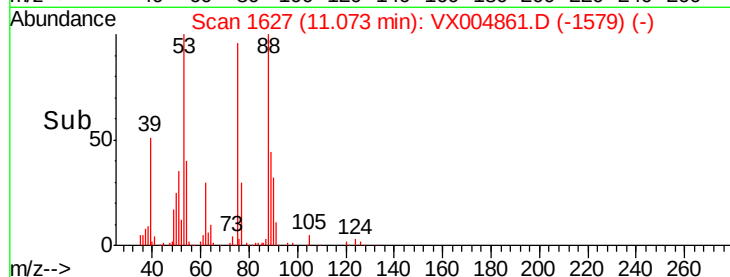
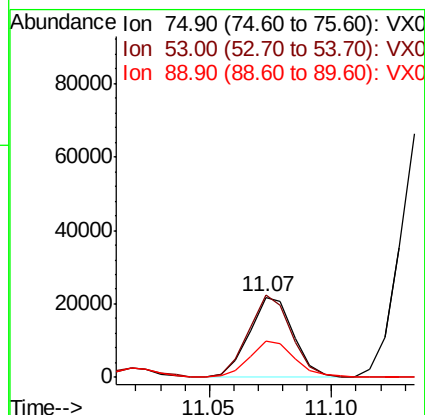
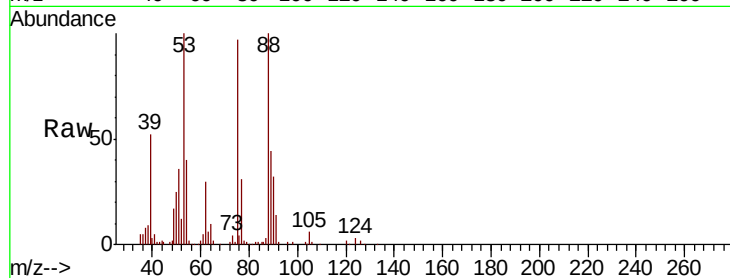
75 100

53 100.5 80.1 120.1

89 47.3 37.2 55.8

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#82

4-Chlorotoluene

Concen: 20.238 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004861.D

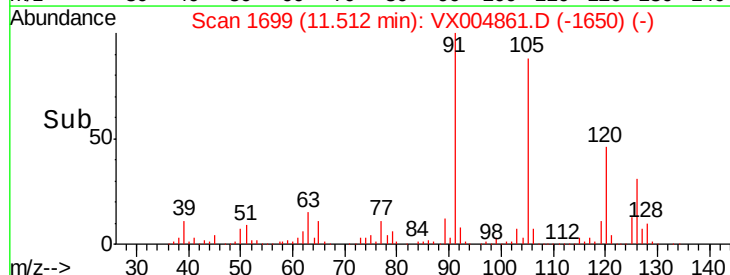
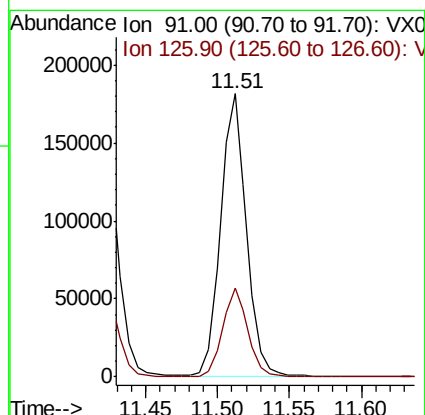
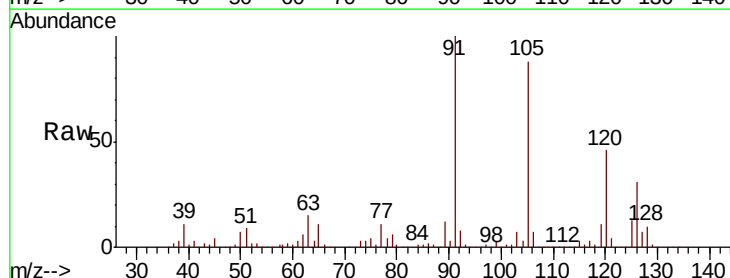
Acq: 01 Oct 2018 11:00

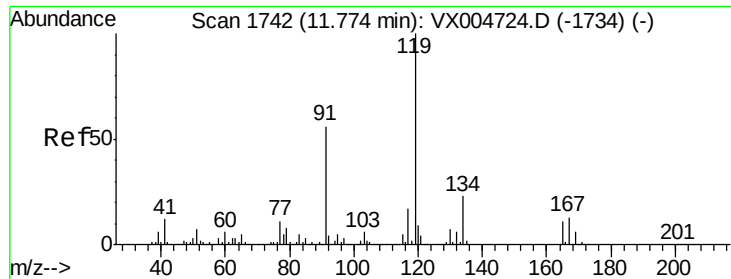
Tgt Ion: 91 Resp: 227558

Ion Ratio Lower Upper

91 100

126 30.8 15.5 46.5





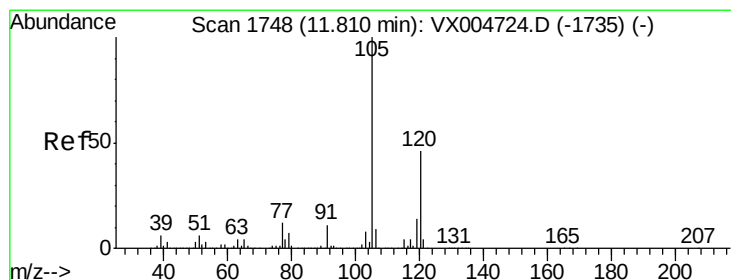
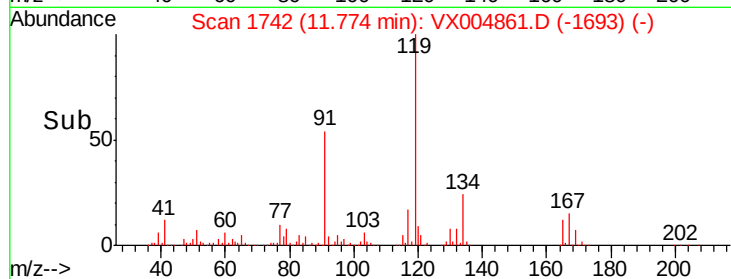
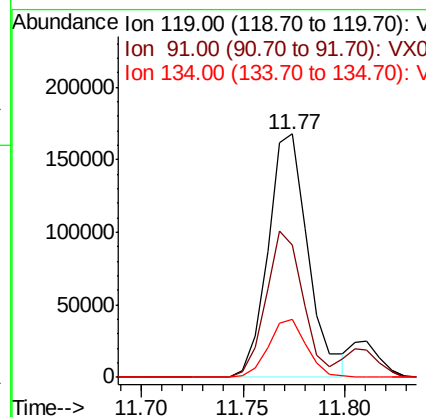
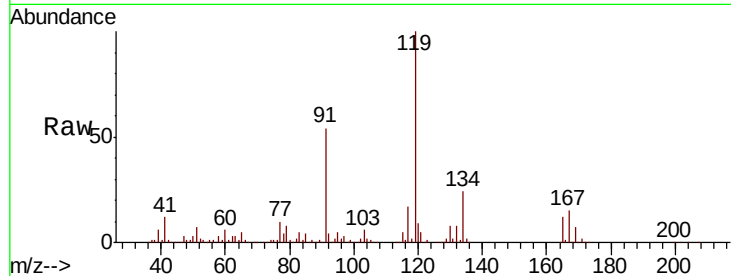
#83
 tert-Butylbenzene
 Concen: 20.881 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	229638		
91	55.6	27.0	81.0	
134	22.8	11.7	35.1	

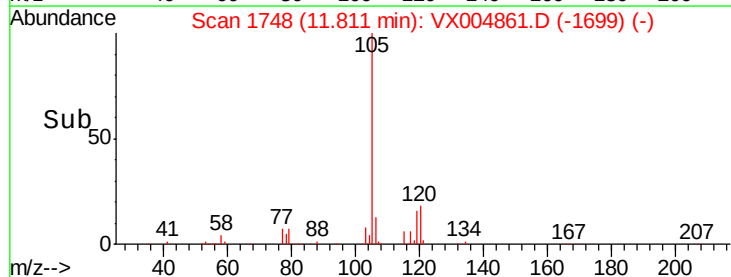
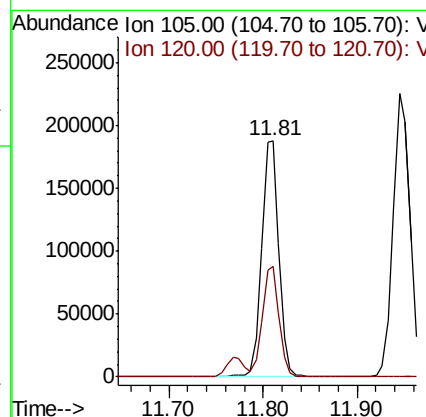
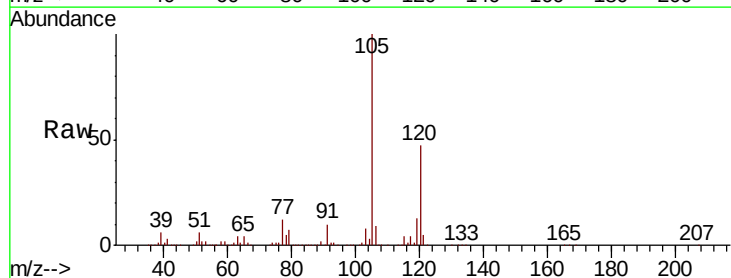
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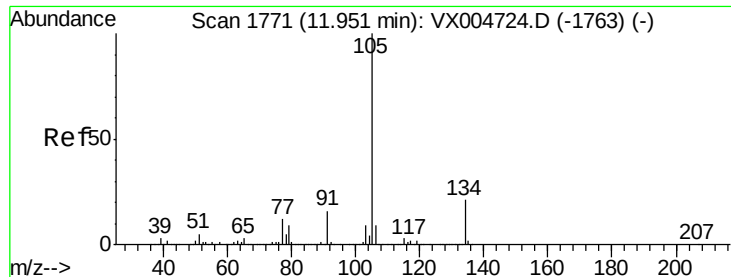
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.187 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	243787		
120	45.4	23.2	69.6	





#85

sec-Butylbenzene

Concen: 21.015 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

ClientSampled :

VX1001WBS01

Tot Ion:105 Resp: 281501

Ion Ratio Lower Upper

105 100

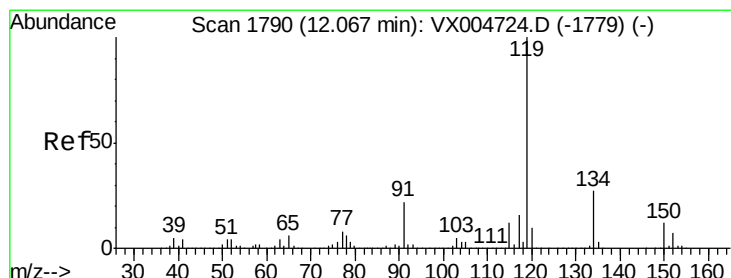
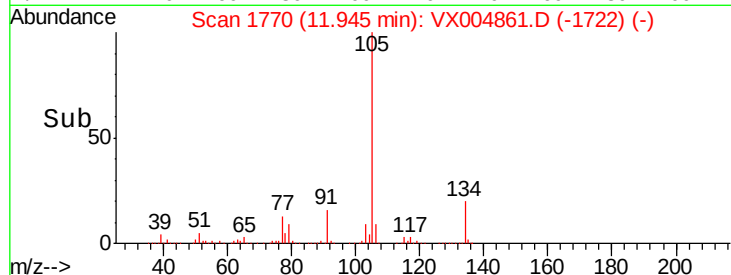
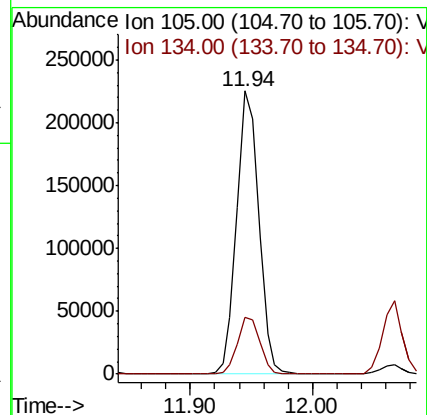
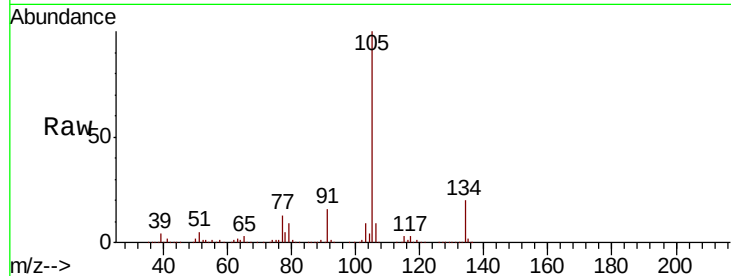
134 20.5 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.125 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

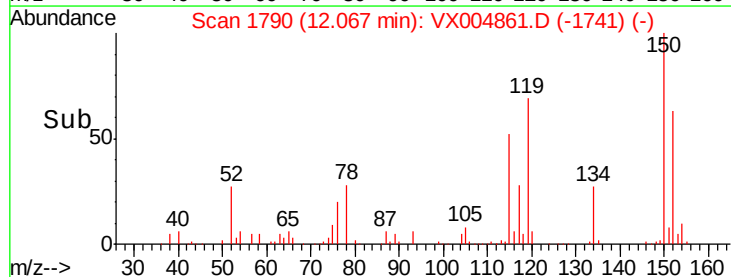
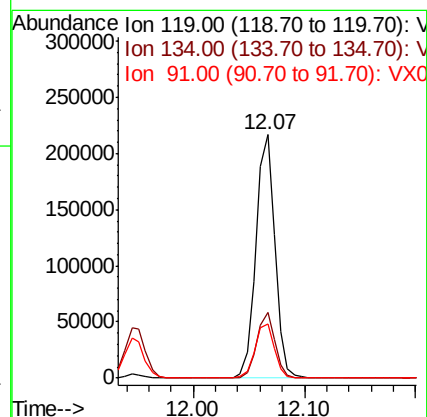
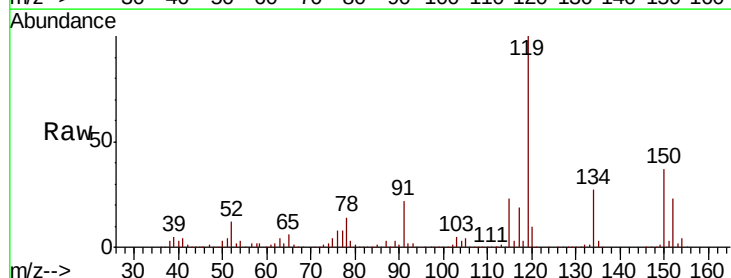
Tgt Ion:119 Resp: 256377

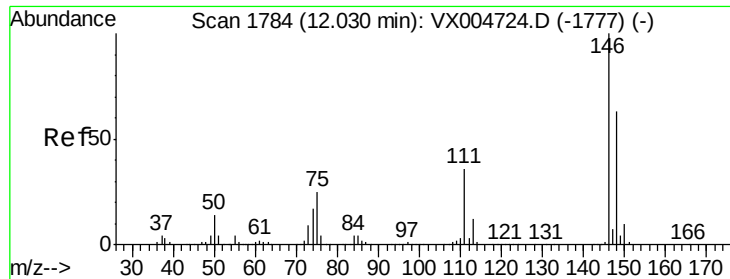
Ion Ratio Lower Upper

119 100

134 26.1 13.4 40.2

91 22.9 10.9 32.7





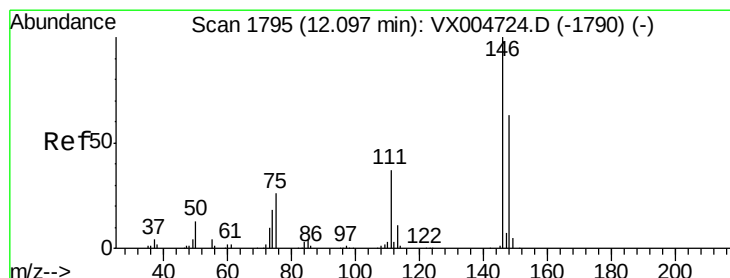
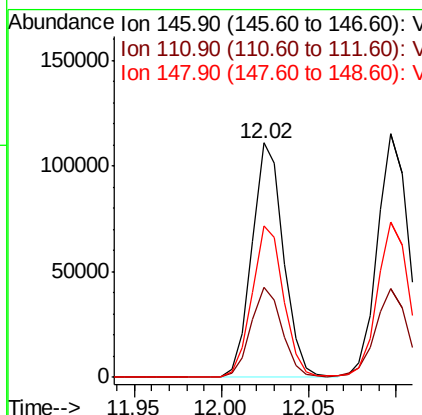
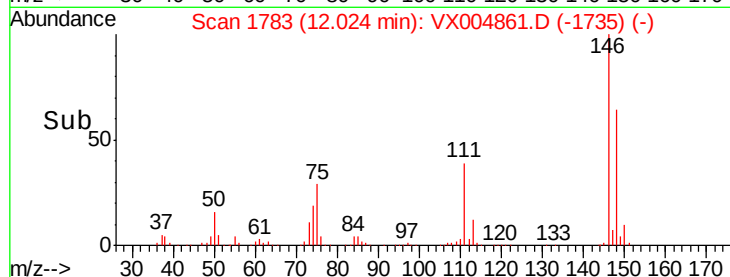
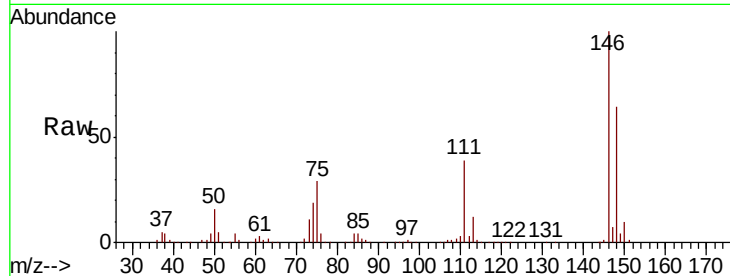
#87
 1,3-Dichlorobenzene
 Concen: 19.169 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX1001WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.7	56.1
148	64.8	32.1	96.5

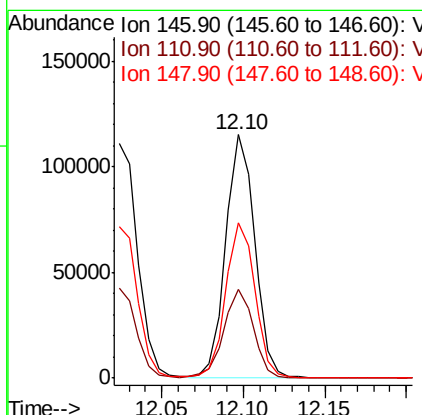
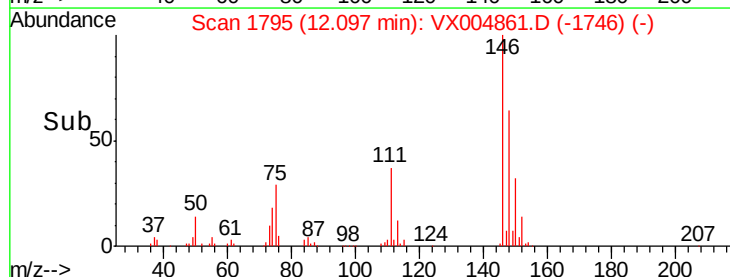
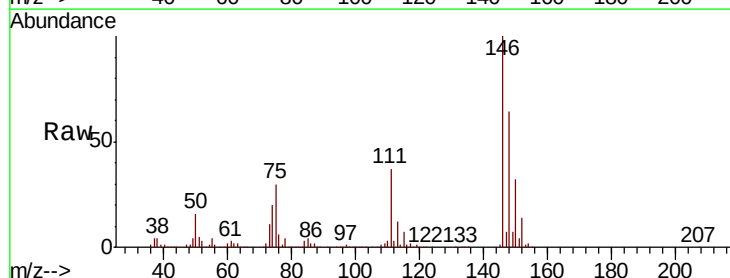
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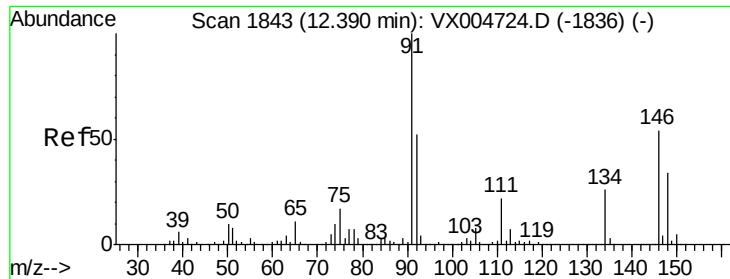
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#88
 1,4-Dichlorobenzene
 Concen: 19.117 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	64.4	32.0	96.0





#89

n-Butylbenzene

Concen: 20.355 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

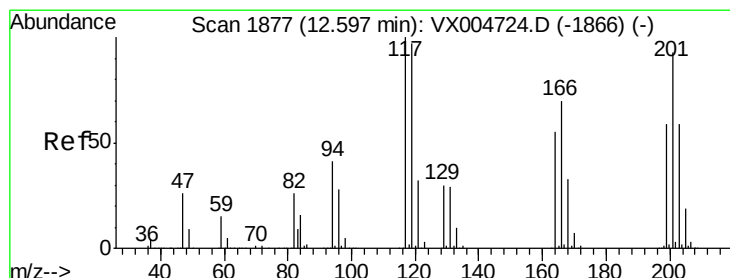
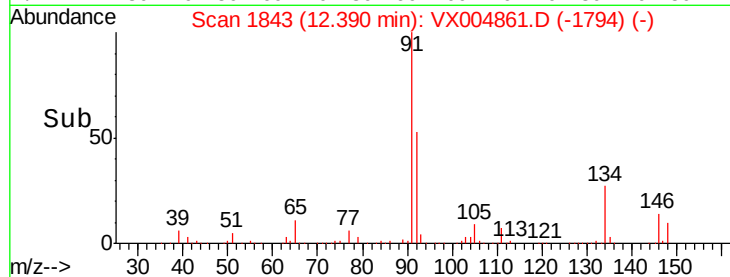
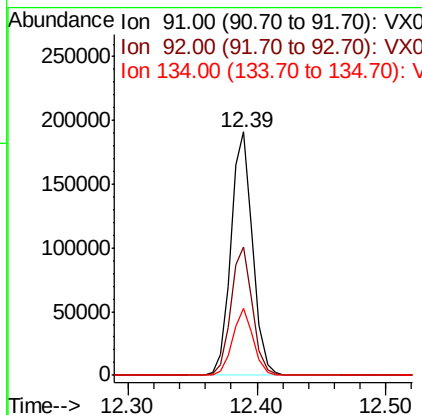
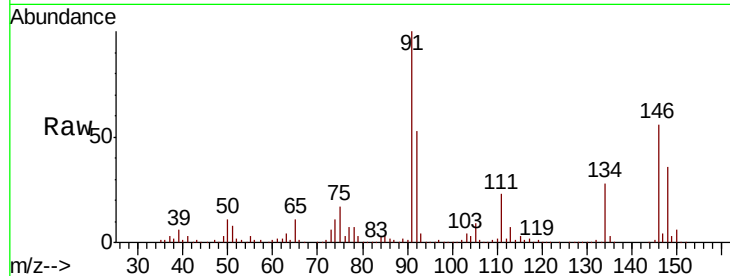
ClientSampled :

VX1001WBS01

Tot Ion:	91	Resp:	224350
Ion Ratio	Lower	Upper	
91	100		
92	52.5	27.3	81.9
134	26.5	13.6	40.7

Manual Integrations
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#90

Hexachloroethane

Concen: 18.888 ug/l

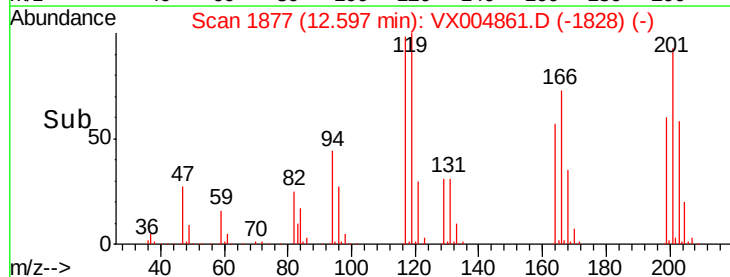
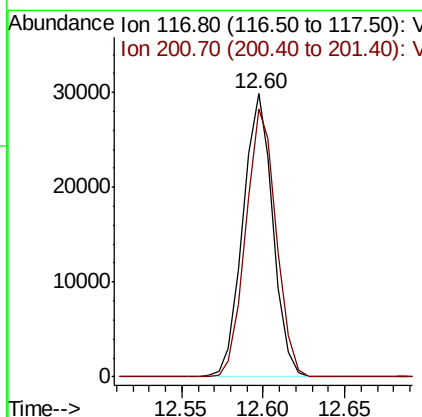
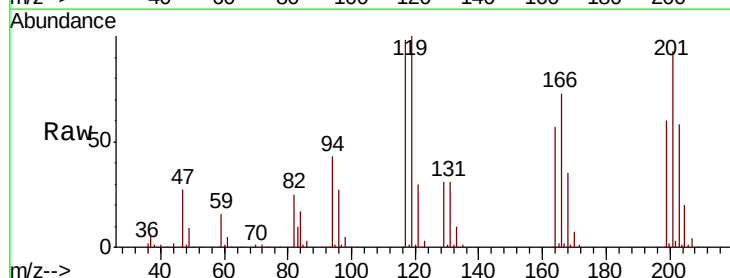
RT: 12.60 min Scan# 1877

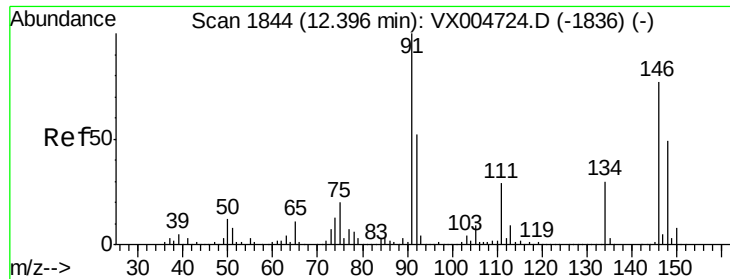
Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Tgt Ion:	117	Resp:	38166
Ion Ratio	Lower	Upper	
117	100		
201	96.3	46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 18.310 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Instrument :

MSVOA_X

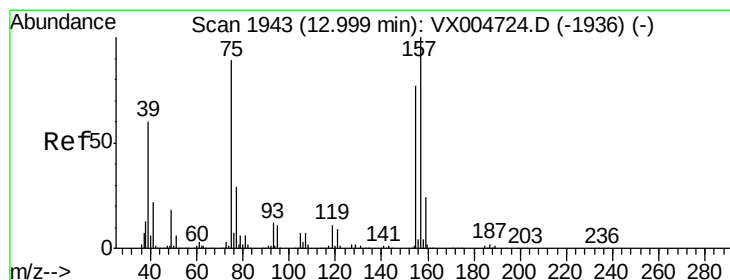
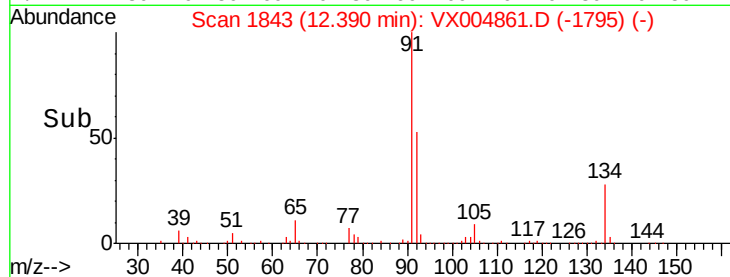
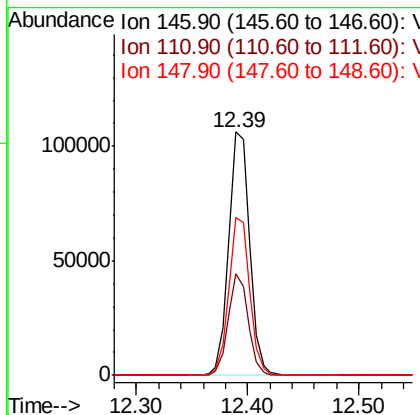
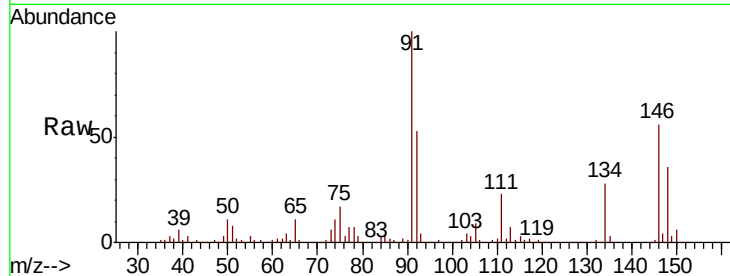
ClientSampled :

VX1001WBS01

Tot Ion:	146	Resp:	138623
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.4	58.1
148	64.6	32.8	98.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.300 ug/l

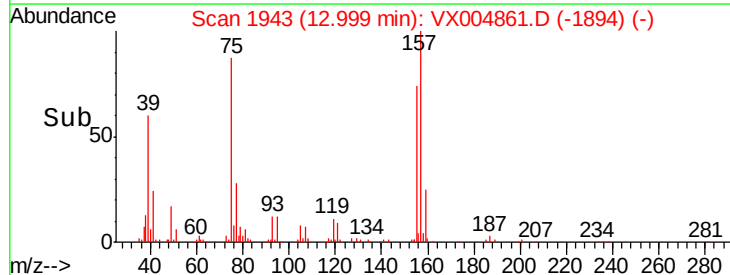
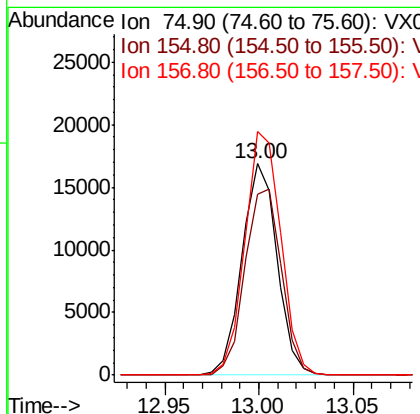
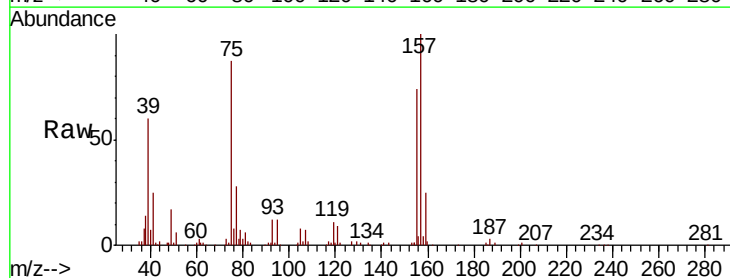
RT: 13.00 min Scan# 1943

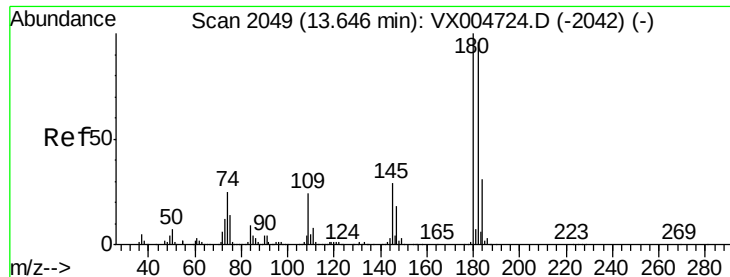
Delta R.T. 0.00 min

Lab File: VX004861.D

Acq: 01 Oct 2018 11:00

Tgt Ion:	75	Resp:	21848
Ion Ratio	Lower	Upper	
75	100		
155	91.6	48.0	144.2
157	117.7	61.4	184.1





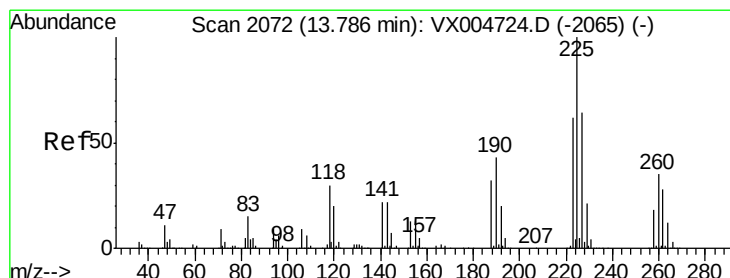
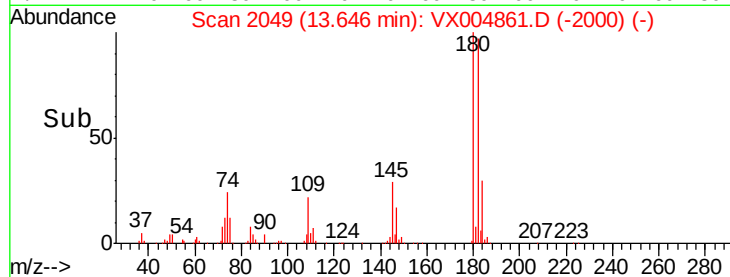
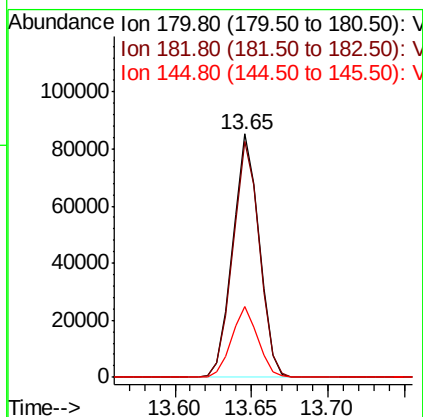
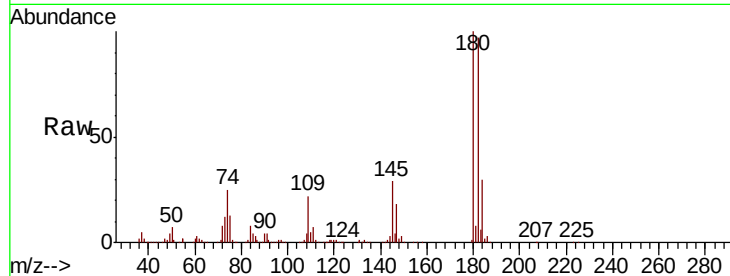
#93
 1,2,4-Trichlorobenzene
 Concen: 19.253 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX1001WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102251		
182	96.9	48.4	145.0	
145	28.5	14.3	42.9	

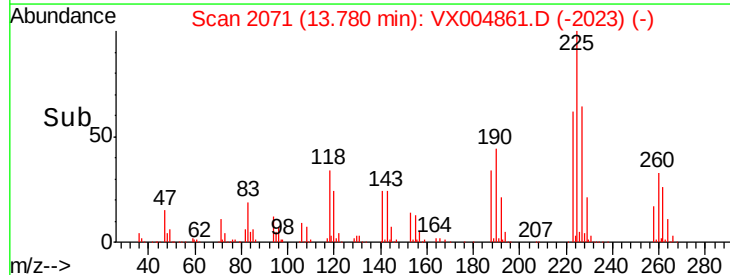
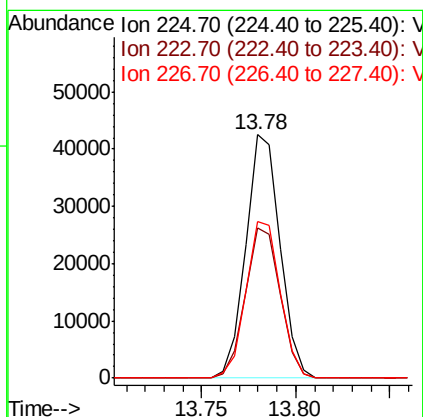
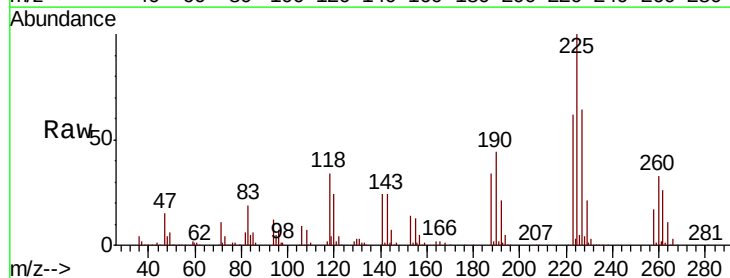
Manual Integrations
 APPROVED

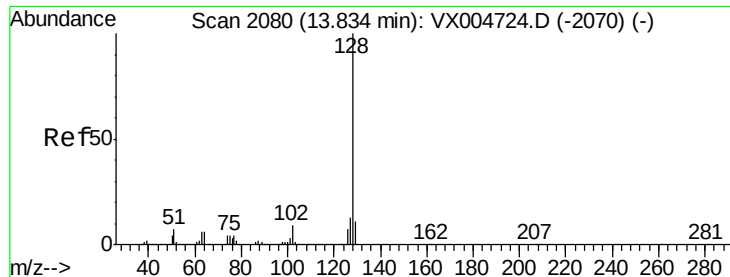
MMDadoda
 10/4/2018 7:07:51 PM



#94
 Hexachlorobutadiene
 Concen: 19.422 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX004861.D
 Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53487		
223	63.0	30.1	90.5	
227	64.7	30.8	92.4	





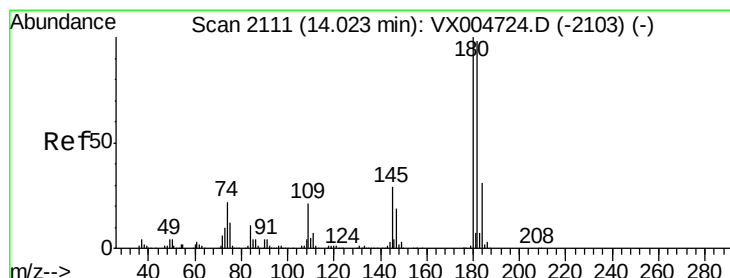
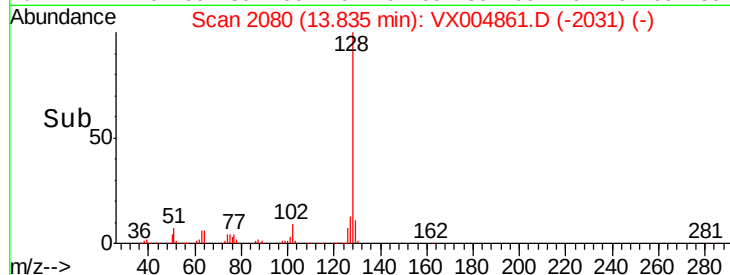
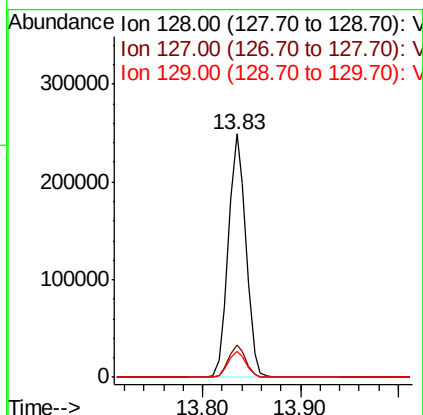
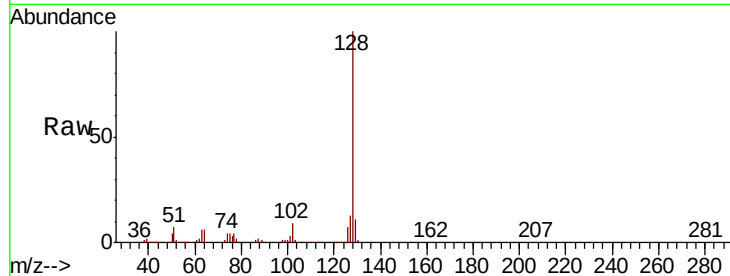
#95
Naphthalene
Concen: 18.061 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	310151		
127	13.0		10.2	15.2
129	10.7		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/4/2018 7:07:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.320 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004861.D
Acq: 01 Oct 2018 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105995		
182	95.7		48.5	145.6
145	29.2		14.9	44.9

