

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
 Data File : VX008693.D
 Acq On : 05 Apr 2019 19:43
 Operator : JC/SP
 Sample : VX0405WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 9:50:13 AM

Quant Time: Apr 06 03:12:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	175248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	120768	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	5.50	113	89135	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
50) Toluene-d8	8.71	98	363482	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	11.13	95	130079	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	33391	16.553	ug/l	96
3) Chloromethane	1.32	50	48126	18.399	ug/l	100
4) Vinyl Chloride	1.40	62	46545	17.068	ug/l	100
5) Bromomethane	1.64	94	21174	17.053	ug/l	98
6) Chloroethane	1.72	64	32514	20.016	ug/l	99
7) Trichlorofluoromethane	1.93	101	52606	17.451	ug/l	98
8) Diethyl Ether	2.18	74	24552	17.175	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32608	16.801	ug/l	100
10) Methyl Iodide	2.51	142	23578	16.274	ug/l	99
11) Tert butyl alcohol	3.04	59	54563	91.179	ug/l	100
12) 1,1-Dichloroethene	2.37	96	34464	17.011	ug/l	99
13) Acrolein	2.29	56	44905	151.335	ug/l	98
14) Allyl chloride	2.73	41	78742	16.977	ug/l	99
15) Acrylonitrile	3.14	53	138314	87.248	ug/l	100
16) Acetone	2.44	43	119506	81.173	ug/l	99
17) Carbon Disulfide	2.57	76	99632	16.534	ug/l	99
18) Methyl Acetate	2.77	43	61441	17.208	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	131410	18.162	ug/l	100
20) Methylene Chloride	2.85	84	42503	17.247	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36794	16.790	ug/l	93
22) Diisopropyl ether	3.85	45	158823	17.767	ug/l	90
23) Vinyl Acetate	3.81	43	694585	89.316	ug/l	99
24) 1,1-Dichloroethane	3.70	63	78815	17.807	ug/l	98
25) 2-Butanone	4.67	43	201537	86.611	ug/l	100
26) 2,2-Dichloropropane	4.58	77	50862	16.316	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	43707	17.347	ug/l	98
28) Bromochloromethane	5.01	49	37842	18.565	ug/l	100
29) Tetrahydrofuran	5.13	42	134178	86.879	ug/l	100
30) Chloroform	5.21	83	69421	17.561	ug/l	100
31) Cyclohexane	5.57	56	74416	16.850	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	55401	17.342	ug/l	99
36) 1,1-Dichloropropene	5.80	75	53716	16.634	ug/l	99
37) Ethyl Acetate	4.83	43	75834	17.594	ug/l	98
38) Carbon Tetrachloride	5.79	117	46305	17.325	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65182	16.340	ug/l	98
40) Benzene	6.14	78	167233	17.384	ug/l	99
41) Methacrylonitrile	5.04	41	42417	17.120	ug/l	97
42) 1,2-Dichloroethane	6.19	62	59758	17.327	ug/l	99
43) Isopropyl Acetate	6.45	43	119499	17.698	ug/l	100
44) Trichloroethene	7.21	130	38458	17.164	ug/l	96
45) 1,2-Dichloropropane	7.51	63	48054	17.501	ug/l	99
46) Dibromomethane	7.66	93	26388	16.570	ug/l	98
47) Bromodichloromethane	7.90	83	52051	17.335	ug/l	98
48) Methyl methacrylate	7.77	41	60586	17.738	ug/l	99
49) 1,4-Dioxane	7.74	88	23972	374.663	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	393444	90.518	ug/l	100
52) Toluene	8.79	92	100458	17.713	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	57458	17.083	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	65304	16.992	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	41165	18.082	ug/l	97
56) Ethyl methacrylate	9.18	69	75378	18.299	ug/l	98
57) 1,3-Dichloropropane	9.37	76	71966	17.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	202235	96.151	ug/l	99
59) 2-Hexanone	9.49	43	306634	90.776	ug/l	100
60) Dibromochloromethane	9.58	129	37745	17.594	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41294	17.423	ug/l	98
64) Tetrachloroethene	9.34	164	33138	16.987	ug/l	94
65) Chlorobenzene	10.13	112	101736	17.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	35948	17.556	ug/l	99
67) Ethyl Benzene	10.25	91	189837	17.443	ug/l	98
68) m/p-Xylenes	10.36	106	136393	34.855	ug/l	99
69) o-Xylene	10.69	106	67528	17.807	ug/l	98
70) Styrene	10.71	104	116503	17.822	ug/l	100
71) Bromoform	10.85	173	27198	17.392	ug/l #	98
73) Isopropylbenzene	11.02	105	178254	17.692	ug/l	100
74) N-amyl acetate	10.90	43	103730	17.499	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	67554	17.629	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	57694m	17.274	ug/l	
77) Bromobenzene	11.26	156	42594	17.585	ug/l	99
78) n-propylbenzene	11.36	91	203902	17.381	ug/l	100
79) 2-Chlorotoluene	11.42	91	124352	17.516	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	150408	17.784	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19940	16.457	ug/l	93
82) 4-Chlorotoluene	11.51	91	140201	17.061	ug/l	99
83) tert-Butylbenzene	11.77	119	141466	17.386	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	150963	17.628	ug/l	99
85) sec-Butylbenzene	11.94	105	170135	17.603	ug/l	99
86) p-Isopropyltoluene	12.06	119	150758	17.379	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	73647	16.984	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	74143	16.886	ug/l	98
89) n-Butylbenzene	12.38	91	135351	16.637	ug/l	100
90) Hexachloroethane	12.60	117	23518	16.345	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	76322	17.727	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14391	17.072	ug/l	98

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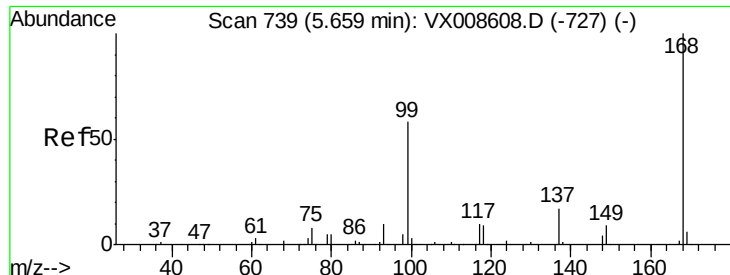
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51807	17.307	ug/l	99
94) Hexachlorobutadiene	13.78	225	24867	17.321	ug/l	99
95) Naphthalene	13.83	128	181403	18.132	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53654	17.939	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampled :

VX0405WBSD02

Tgt Ion:168 Resp: 175248

Ion Ratio Lower Upper

168 100

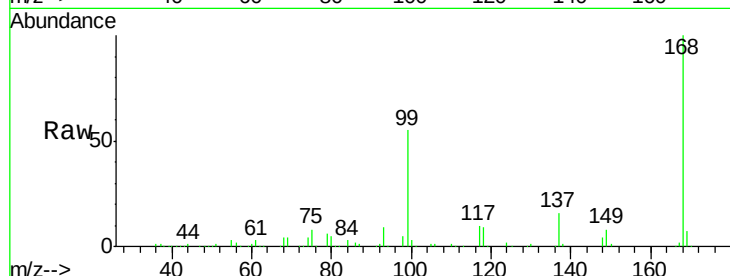
99 55.0 46.7 70.1

Manual Integrations

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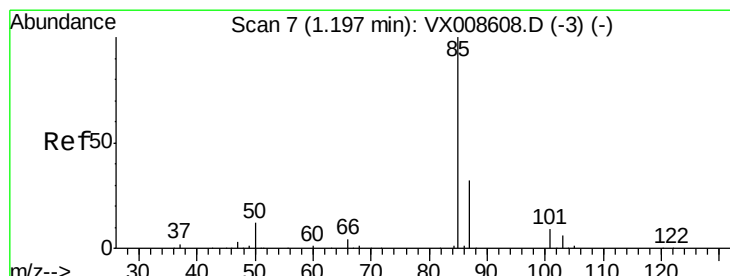
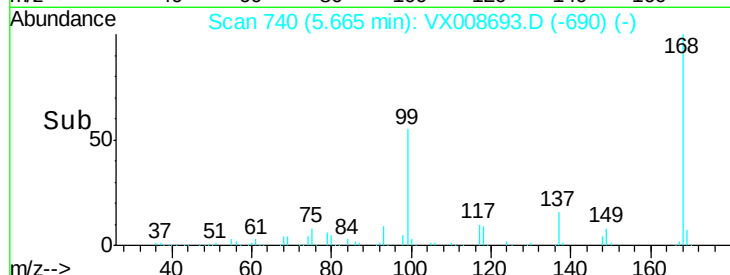
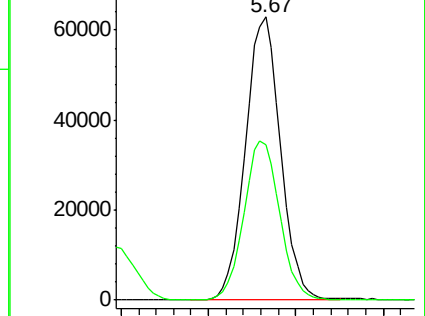
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.553 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008693.D

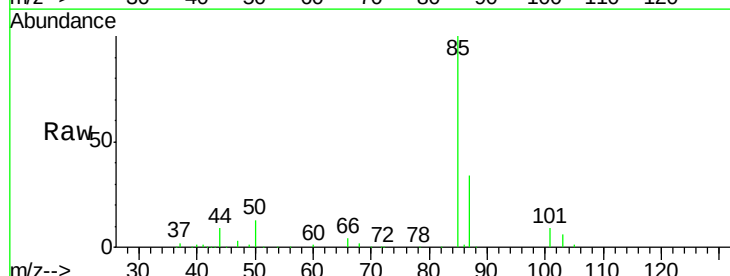
Acq: 05 Apr 2019 19:43

Tgt Ion: 85 Resp: 33391

Ion Ratio Lower Upper

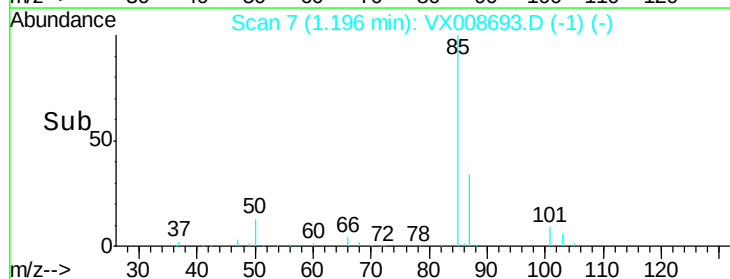
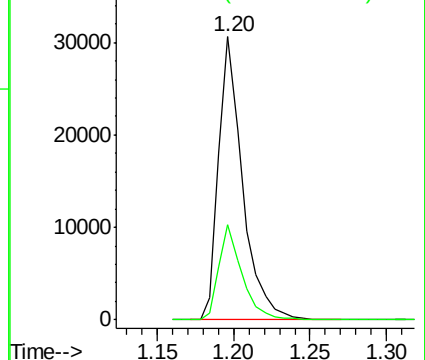
85 100

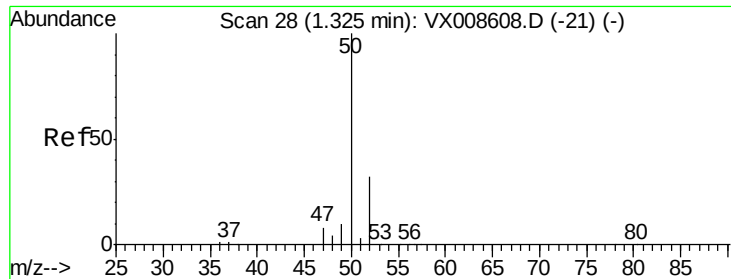
87 33.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.399 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 50 Resp: 48126

Ion Ratio Lower Upper

50 100

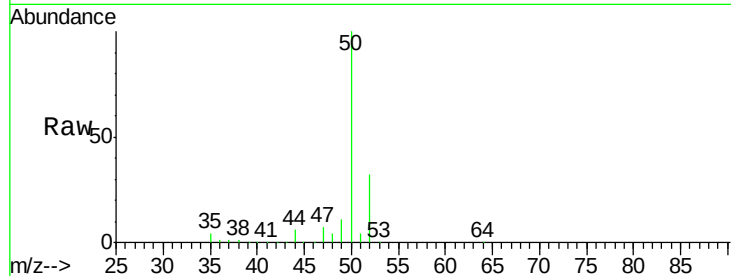
52 32.3 25.8 38.8

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

50000

40000

30000

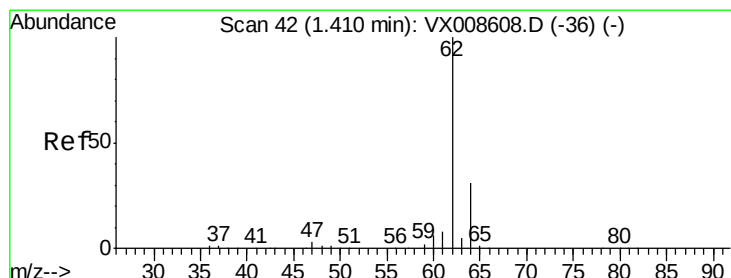
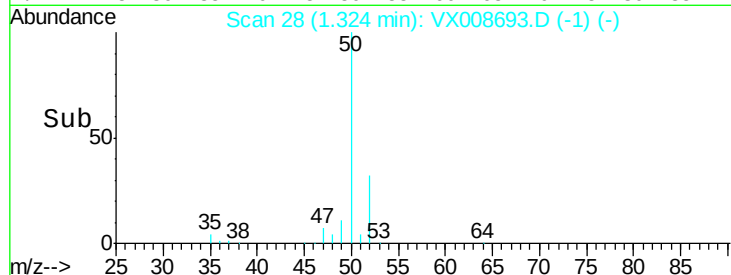
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 17.068 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008693.D

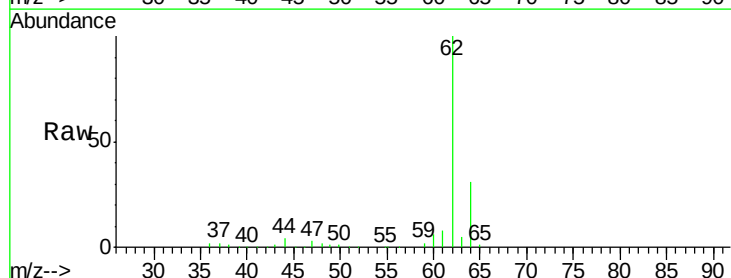
Acq: 05 Apr 2019 19:43

Tgt Ion: 62 Resp: 46545

Ion Ratio Lower Upper

62 100

64 31.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

40000

30000

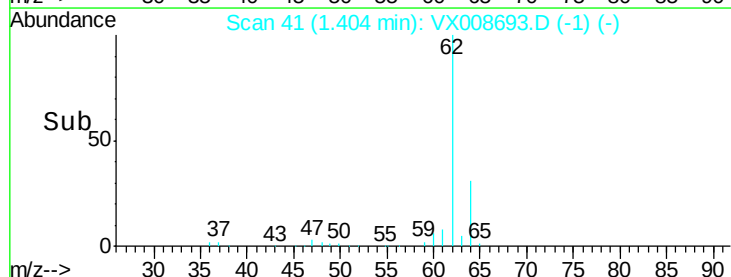
20000

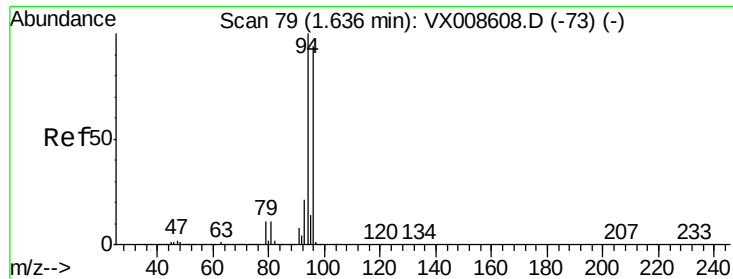
10000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 17.053 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 94 Resp: 21174

Ion Ratio Lower Upper

94 100

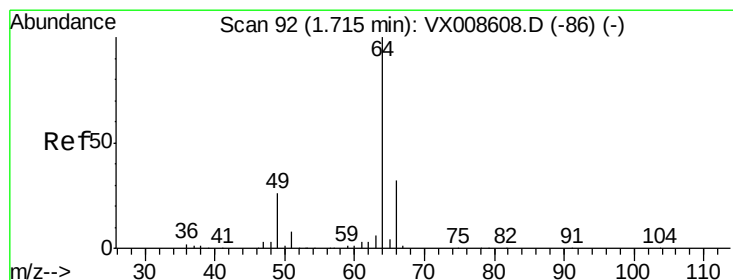
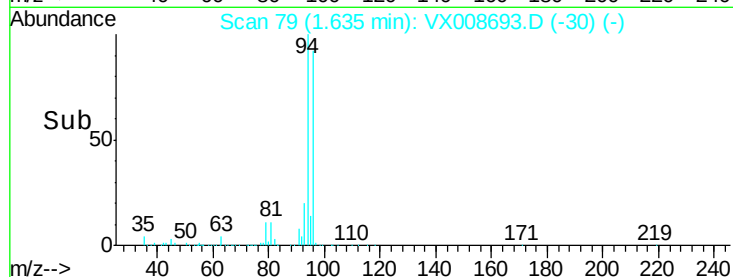
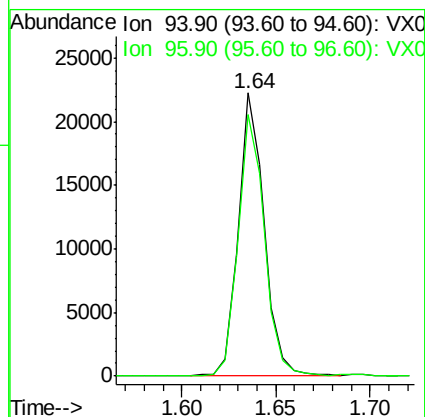
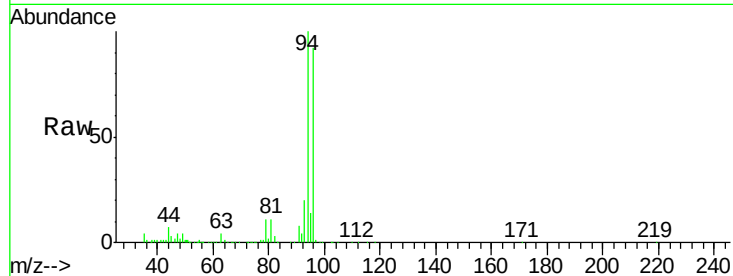
96 92.2 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 20.016 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008693.D

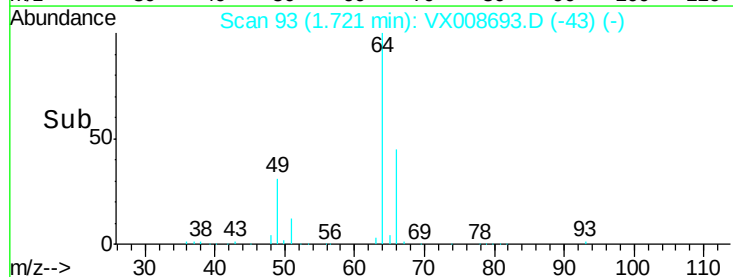
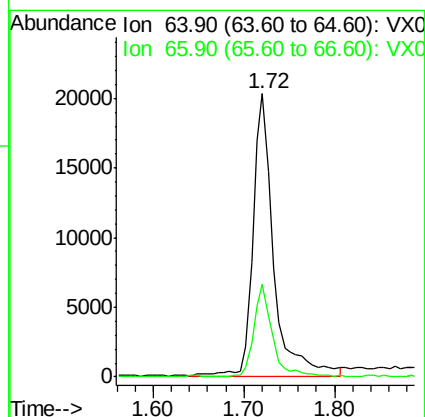
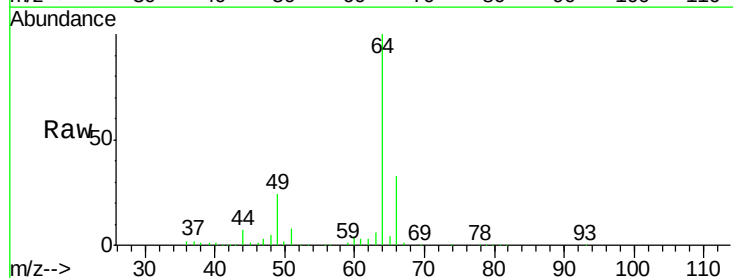
Acq: 05 Apr 2019 19:43

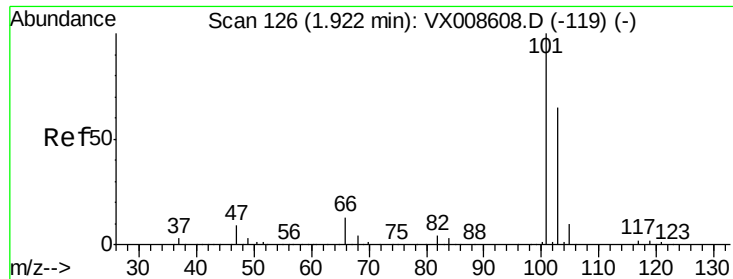
Tgt Ion: 64 Resp: 32514

Ion Ratio Lower Upper

64 100

66 32.2 25.4 38.0





#7

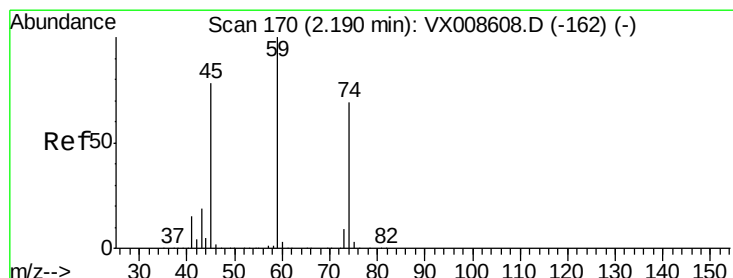
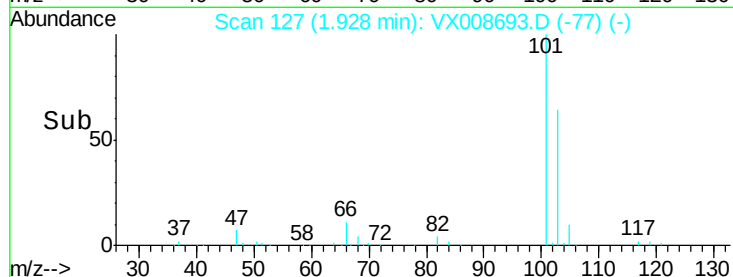
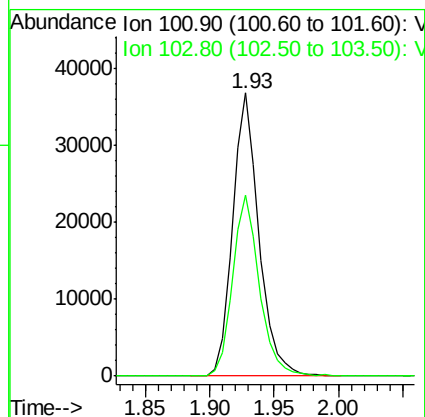
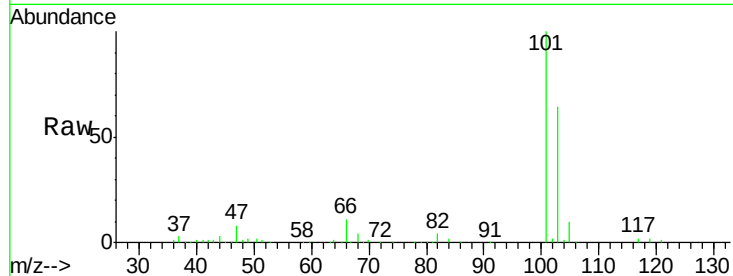
Trichlorofluoromethane
Concen: 17.451 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion: 101 Resp: 52606
Ion Ratio Lower Upper
101 100
103 64.0 52.3 78.5

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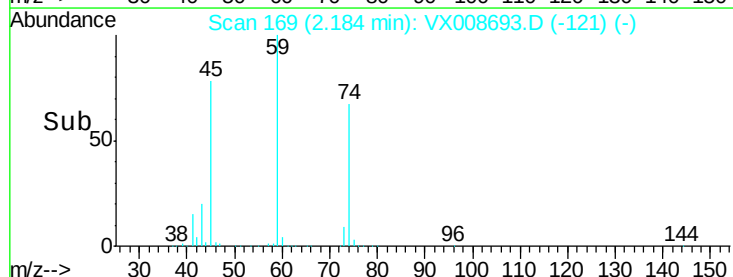
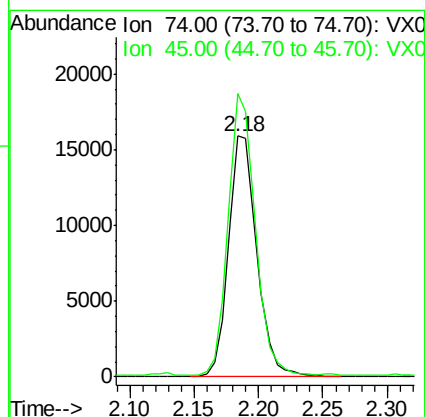
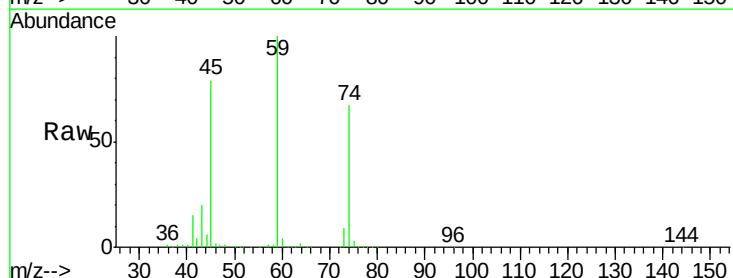
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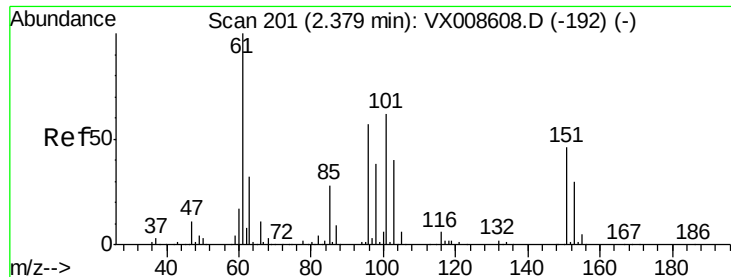


#8

Diethyl Ether
Concen: 17.175 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 74 Resp: 24552
Ion Ratio Lower Upper
74 100
45 113.2 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.801 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

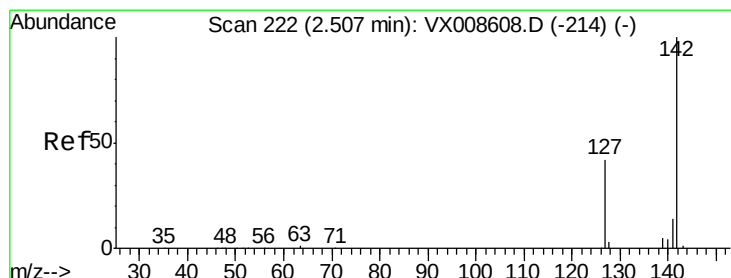
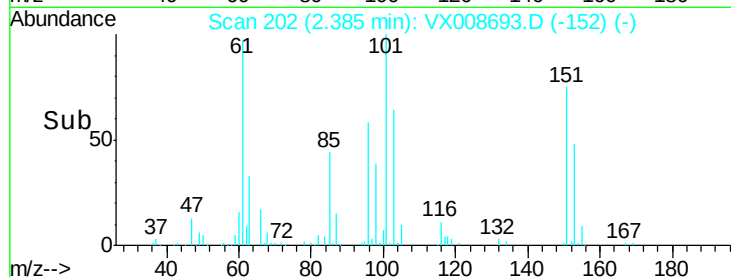
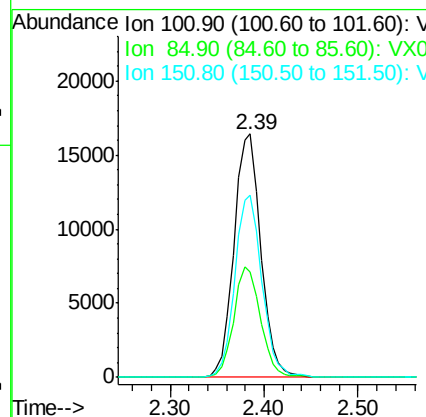
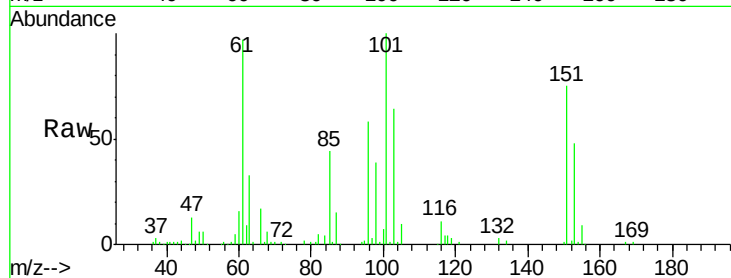
ClientSampleId :

VX0405WBSD02

Tgt Ion:	101	Resp:	32608
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.0	54.0
151	75.4	59.9	89.9

Manual Integrations
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MMDadoda
4/8/2019 9:50:13 AM



#10

Methyl Iodide

Concen: 16.274 ug/l

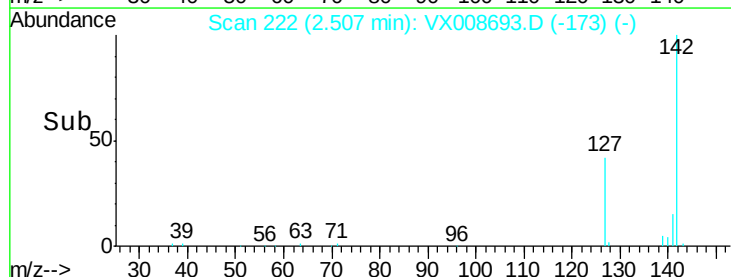
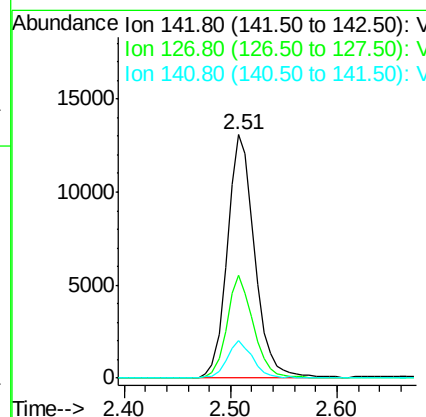
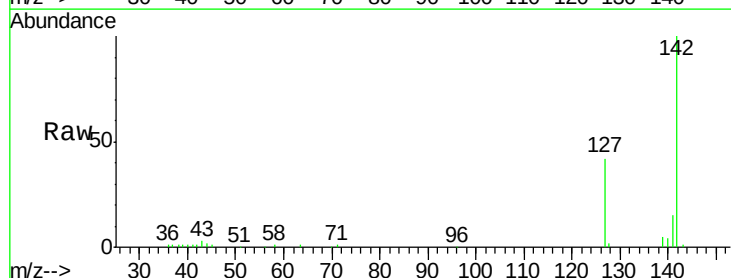
RT: 2.51 min Scan# 222

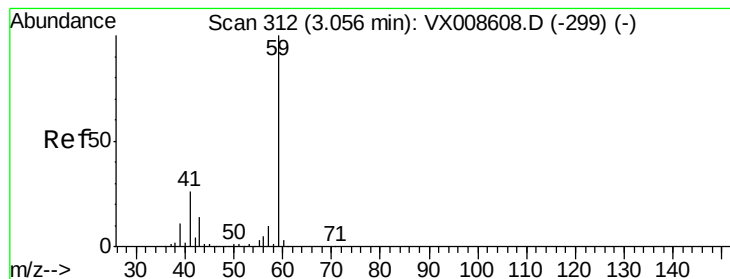
Delta R.T. 0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion:	142	Resp:	23578
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.0	49.6
141	14.3	11.4	17.2





#11

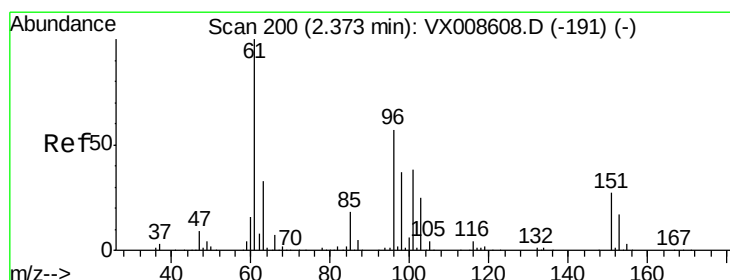
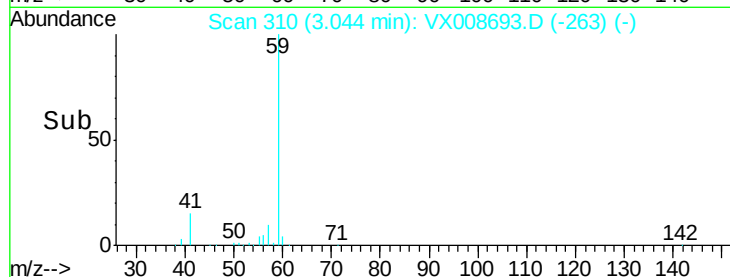
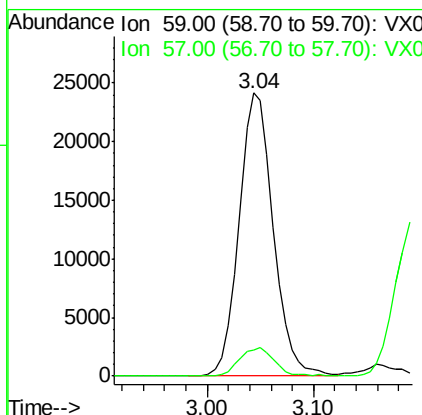
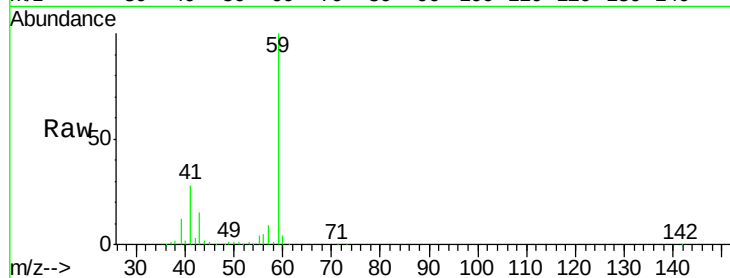
Tert butyl alcohol
 Concen: 91.179 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

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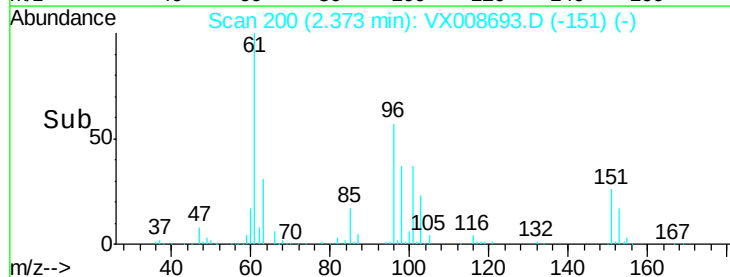
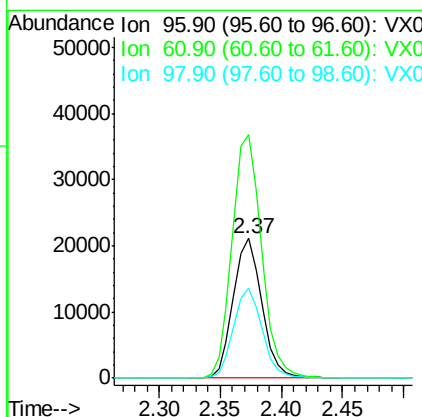
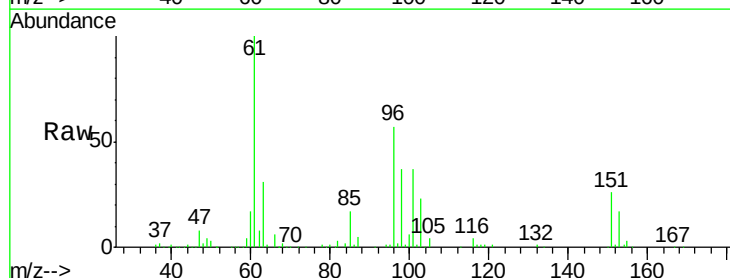
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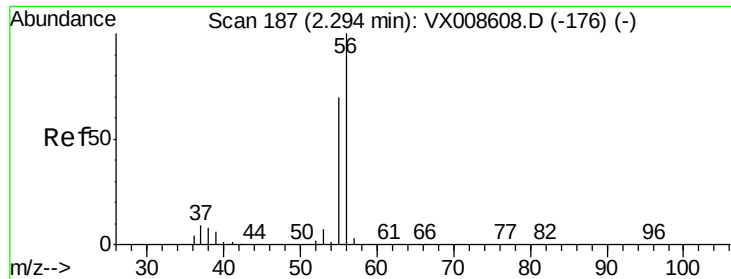


#12

1,1-Dichloroethene
 Concen: 17.011 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.1	140.9	211.3
98	63.9	52.1	78.1





#13

Acrolein

Concen: 151.335 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 56 Resp: 44905

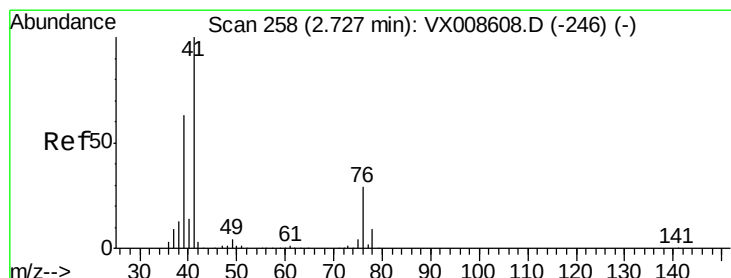
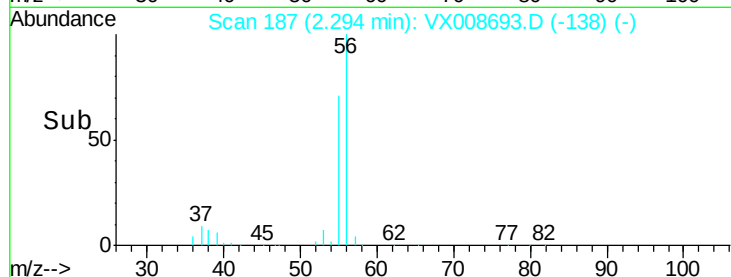
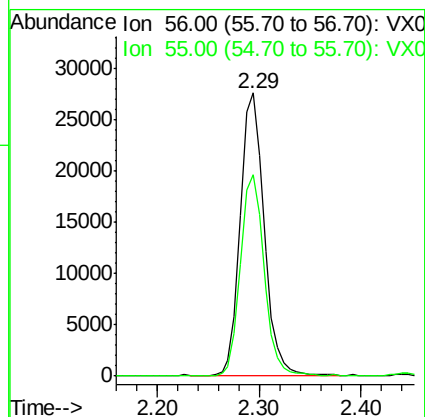
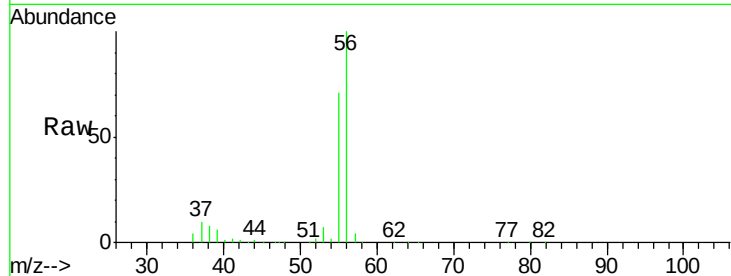
Ion Ratio Lower Upper

56 100

55 70.6 58.0 87.0

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#14

Allyl chloride

Concen: 16.977 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

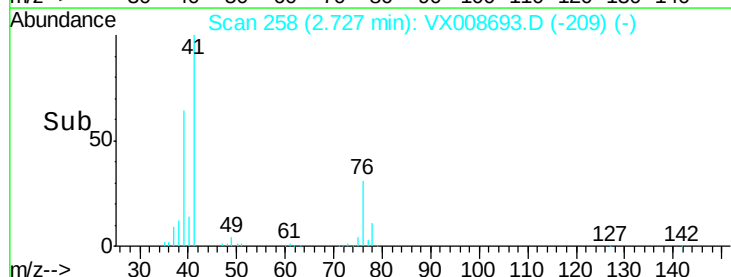
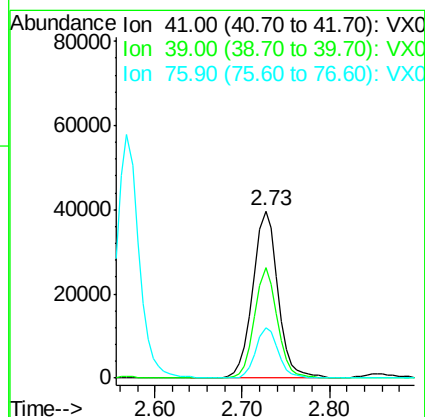
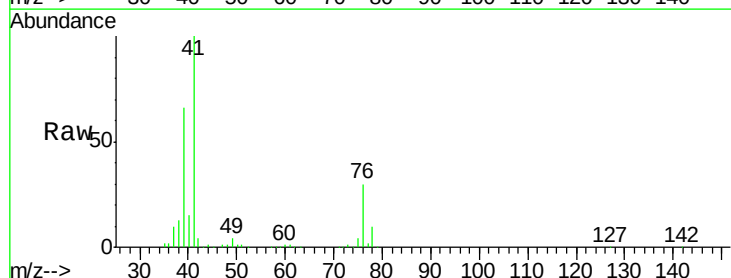
Tgt Ion: 41 Resp: 78742

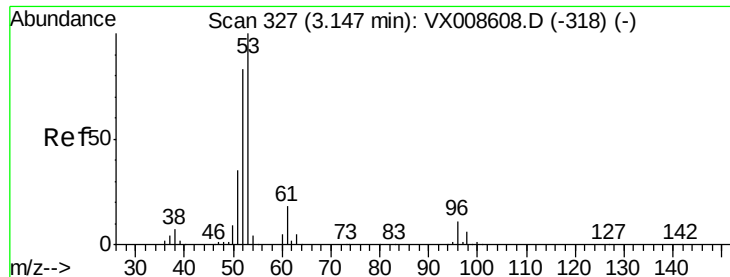
Ion Ratio Lower Upper

41 100

39 60.7 48.0 72.0

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 87.248 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

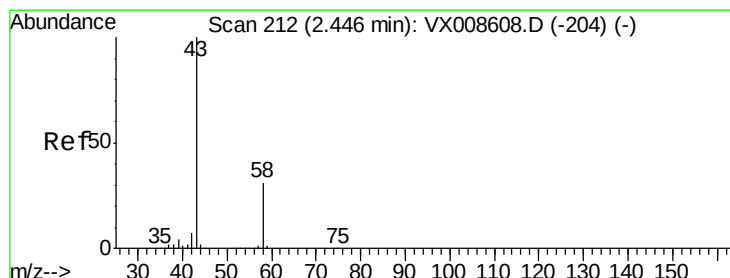
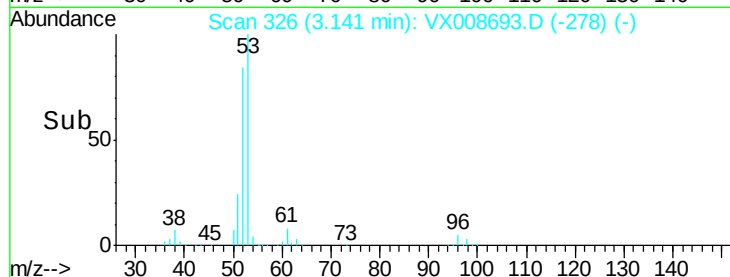
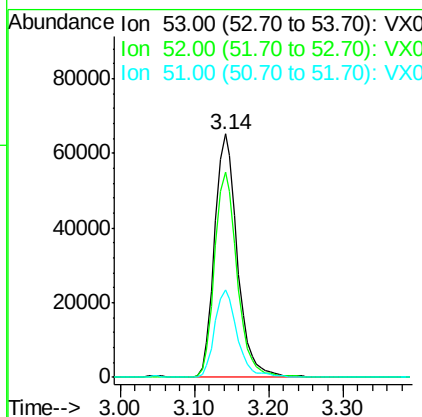
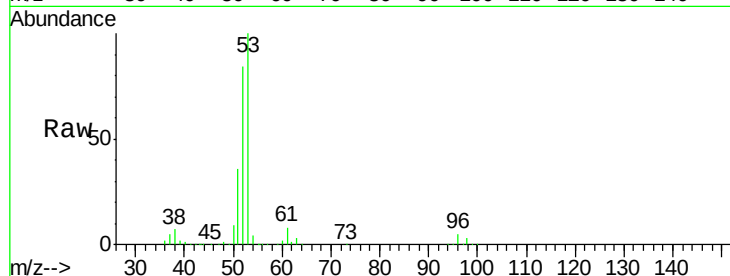
ClientSampleId :

VX0405WBSD02

Tgt Ion:	53	Resp:	138314
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	35.3	28.6	42.8

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#16

Acetone

Concen: 81.173 ug/l

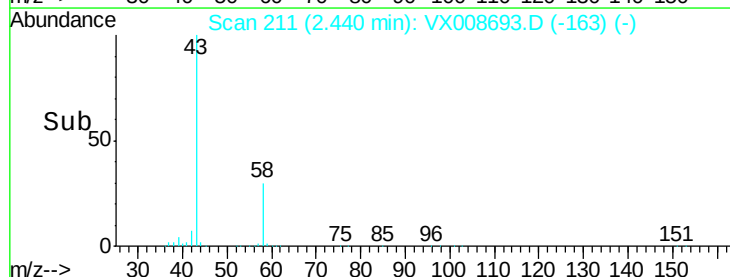
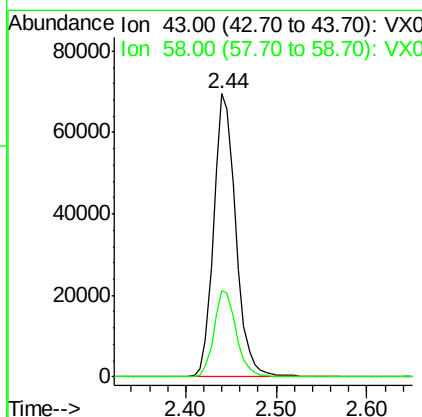
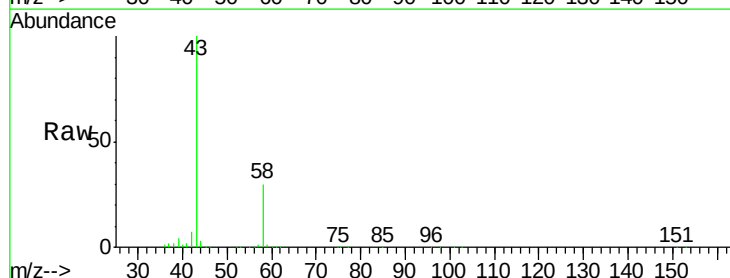
RT: 2.44 min Scan# 211

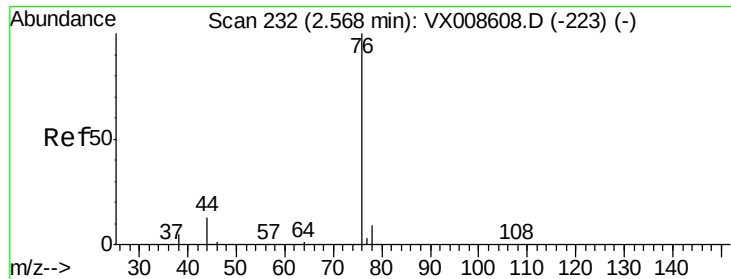
Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion:	43	Resp:	119506
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.8	37.2





#17

Carbon Disulfide

Concen: 16.534 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 76 Resp: 99632

Ion Ratio Lower Upper

76 100

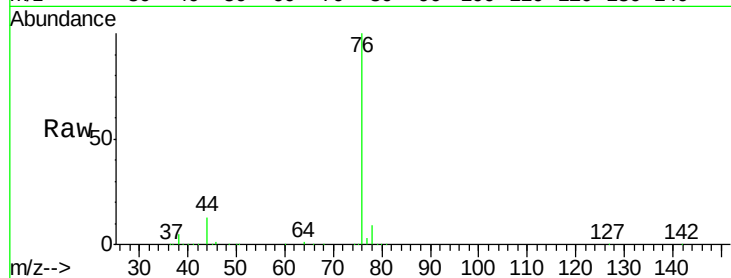
78 9.1 7.1 10.7

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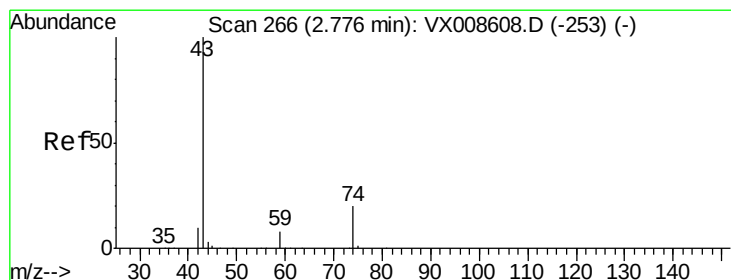
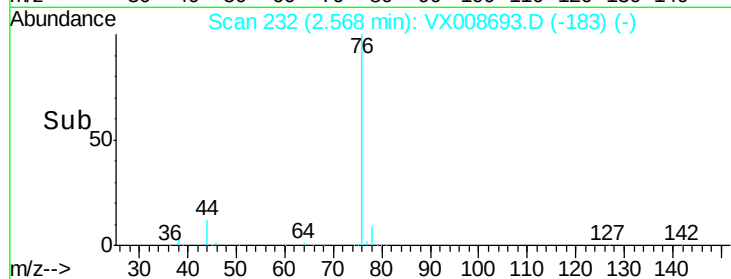
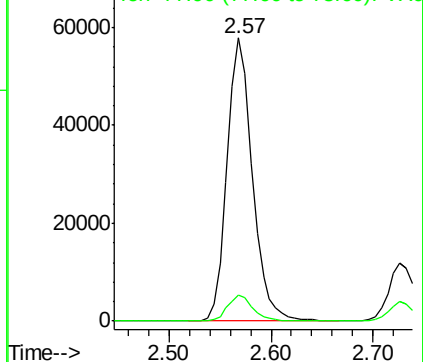
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.208 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008693.D

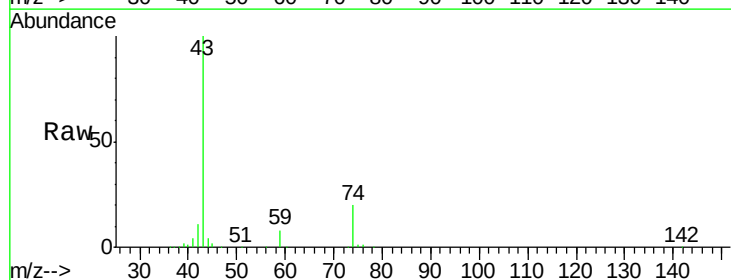
Acq: 05 Apr 2019 19:43

Tgt Ion: 43 Resp: 61441

Ion Ratio Lower Upper

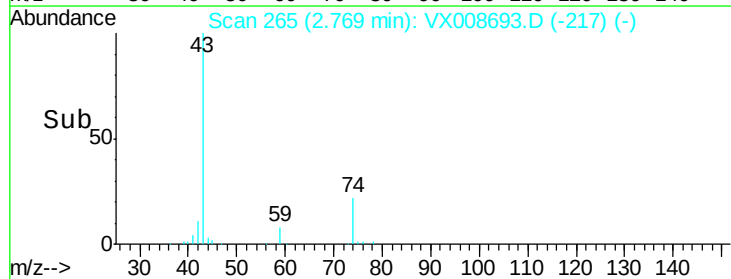
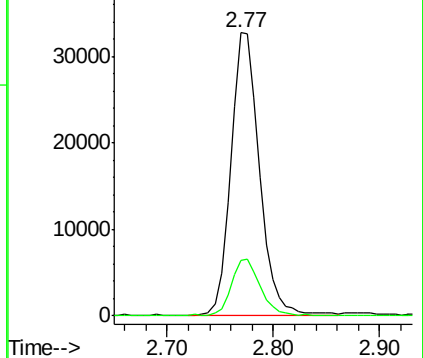
43 100

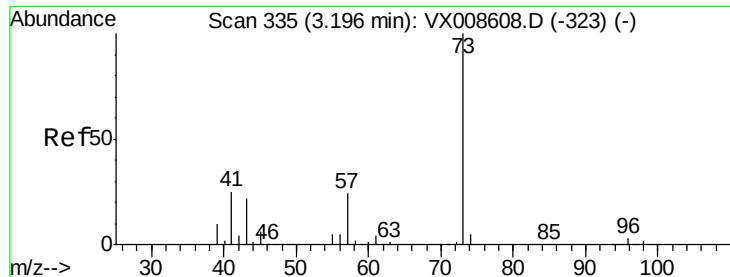
74 20.6 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 18.162 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 73 Resp: 131410

Ion Ratio Lower Upper

73 100

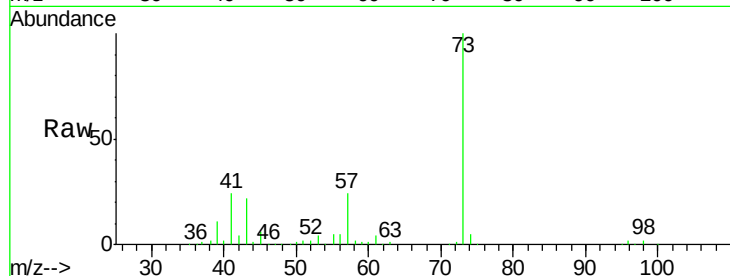
57 24.2 19.5 29.3

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Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

60000

50000

40000

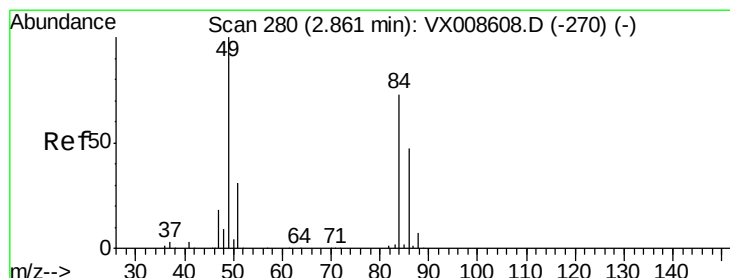
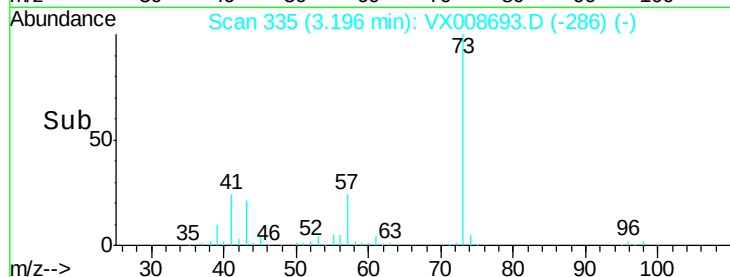
30000

20000

10000

0

Time-->



#20

Methylene Chloride

Concen: 17.247 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion: 84 Resp: 42503

Ion Ratio Lower Upper

84 100

49 138.2 109.7 164.5

51 39.9 33.6 50.4

86 60.9 51.4 77.2

Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

40000

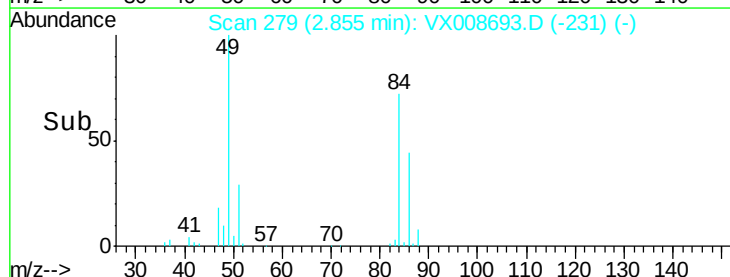
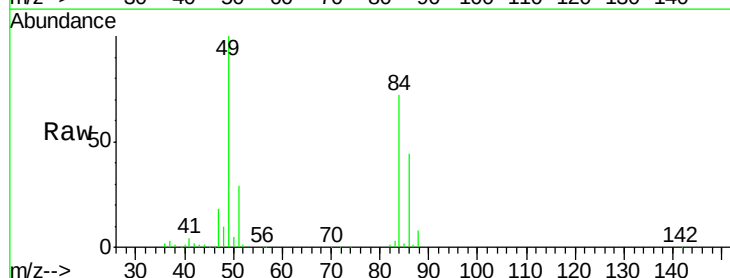
30000

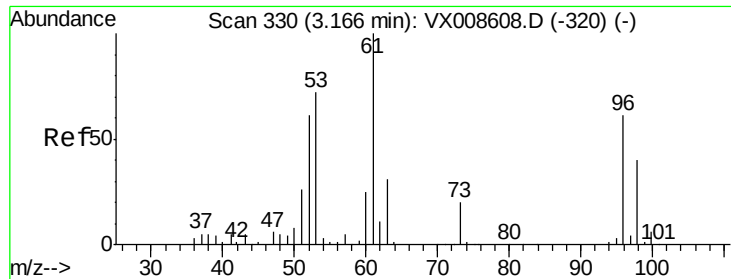
20000

10000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 16.790 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 96 Resp: 36794

Ion Ratio Lower Upper

96 100

61 152.6 132.1 198.1

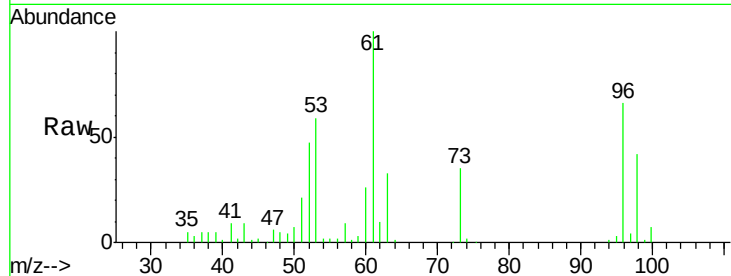
98 64.6 52.2 78.2

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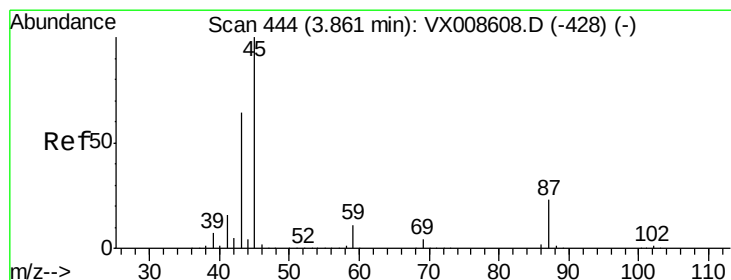
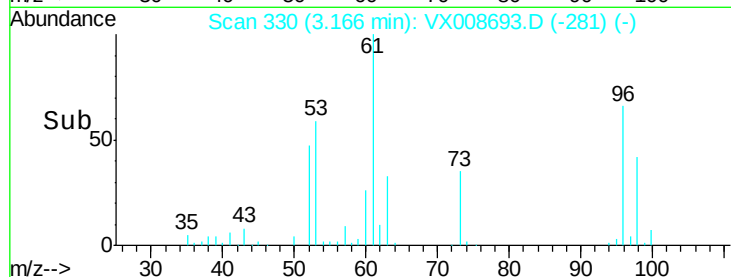
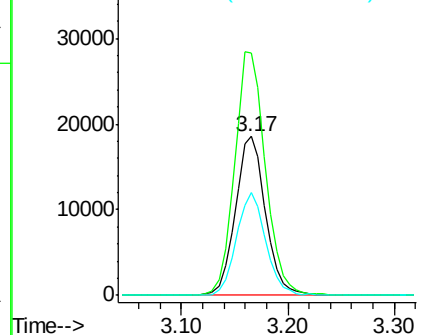
4/8/2019 9:50:13 AM



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: 17.767 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion: 45 Resp: 158823

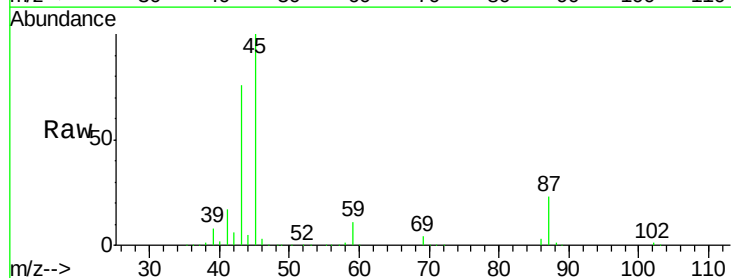
Ion Ratio Lower Upper

45 100

43 75.1 51.3 76.9

87 23.3 18.1 27.1

59 11.0 8.6 13.0

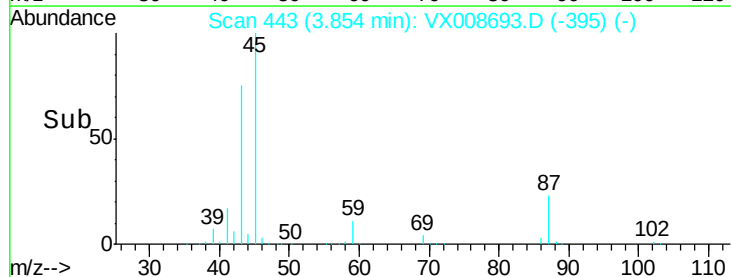
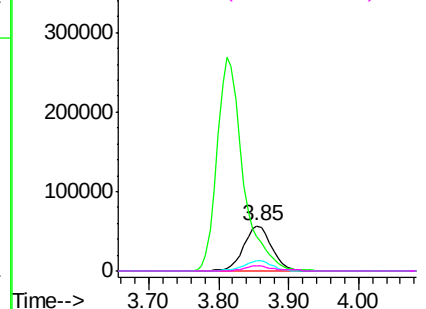


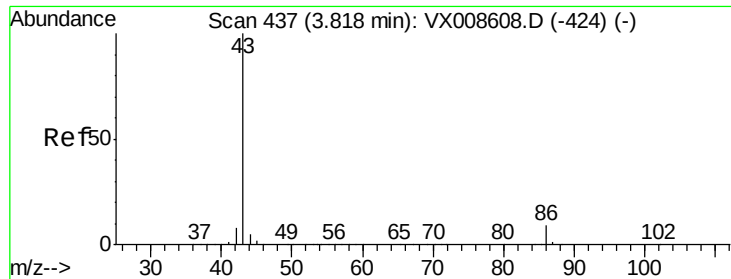
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 89.316 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 43 Resp: 694585

Ion Ratio Lower Upper

43 100

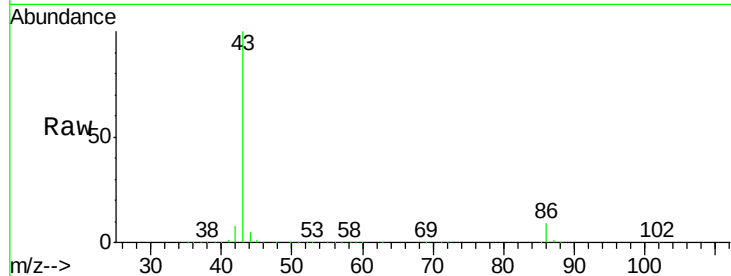
86 8.5 7.0 10.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

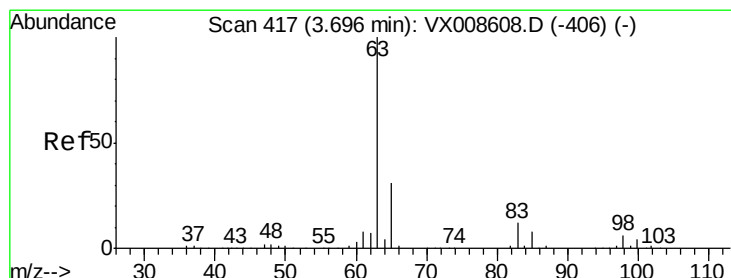
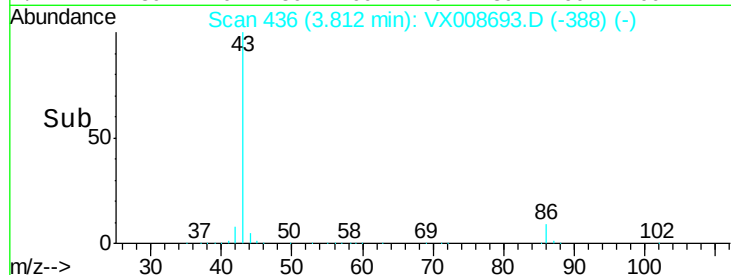
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 17.807 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

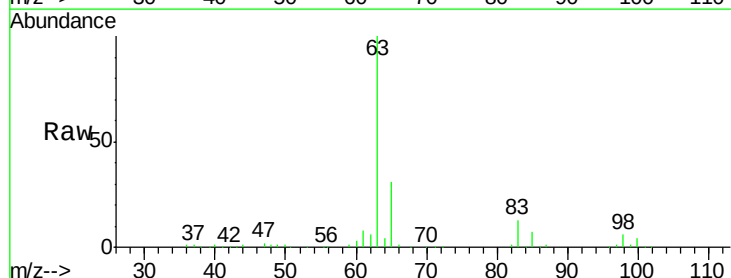
Tgt Ion: 63 Resp: 78815

Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

100 4.4 1.8 5.5



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

40000

30000

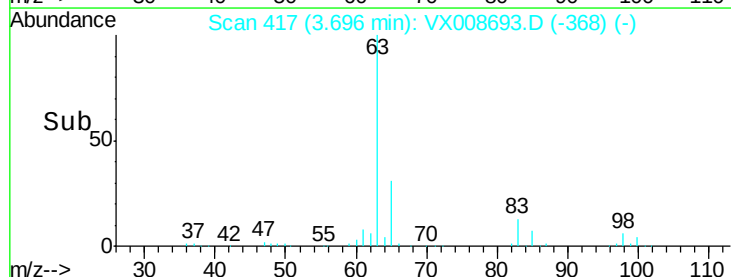
20000

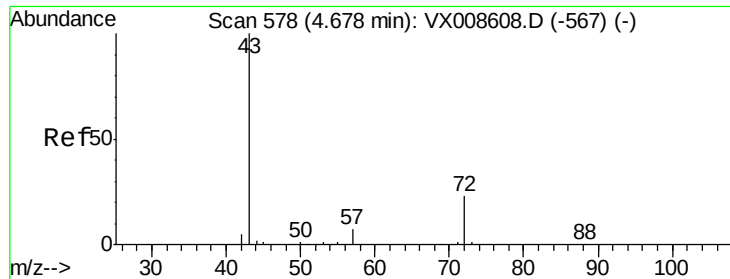
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 86.611 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 43 Resp: 201537

Ion Ratio Lower Upper

43 100

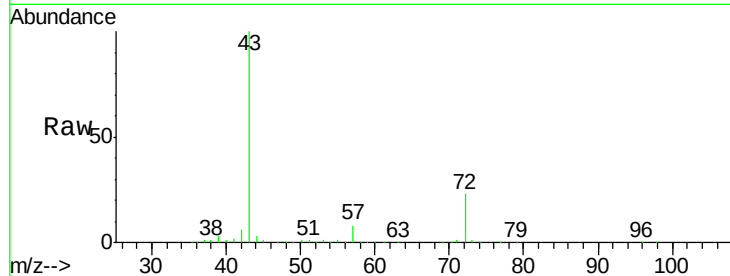
72 23.0 18.2 27.4

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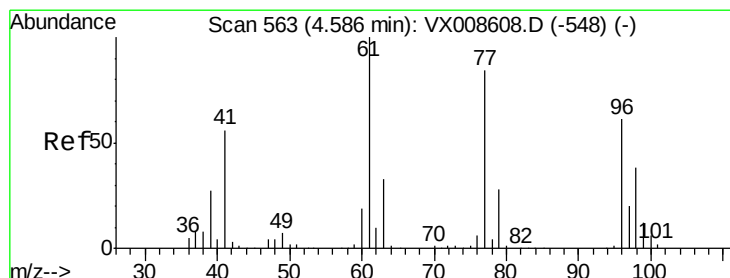
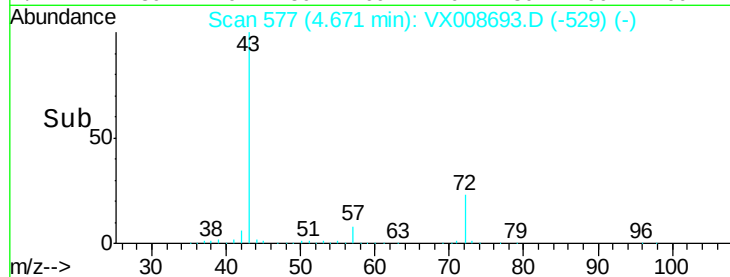
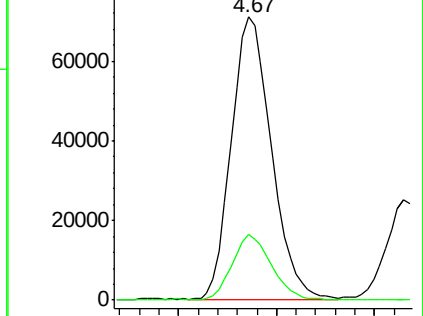
MMDadoda

4/8/2019 9:50:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.316 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008693.D

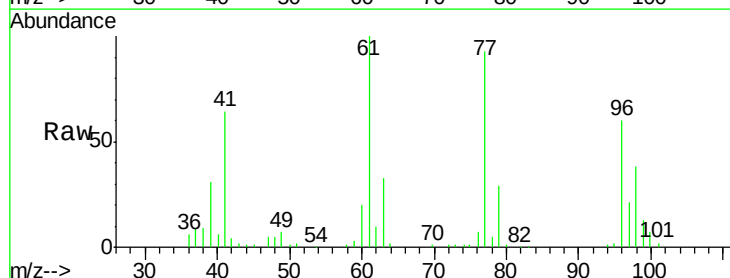
Acq: 05 Apr 2019 19:43

Tgt Ion: 77 Resp: 50862

Ion Ratio Lower Upper

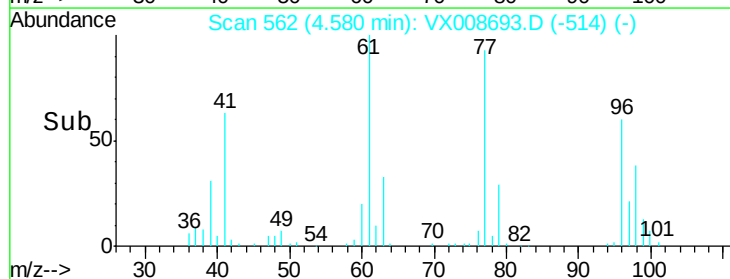
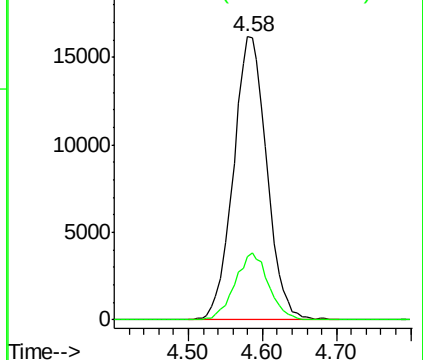
77 100

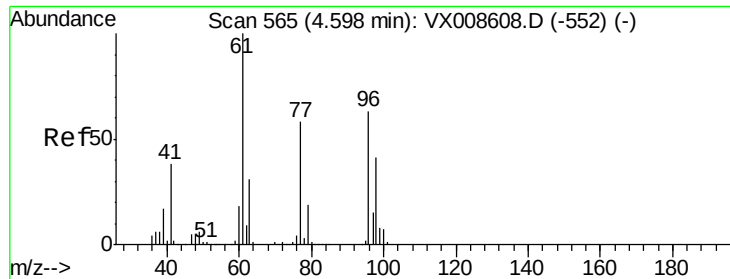
97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

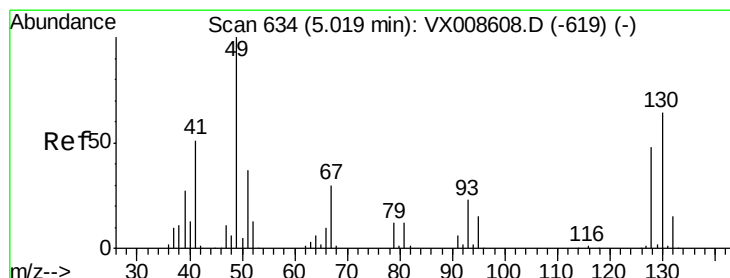
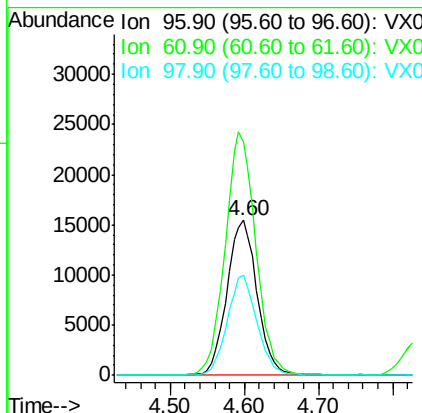
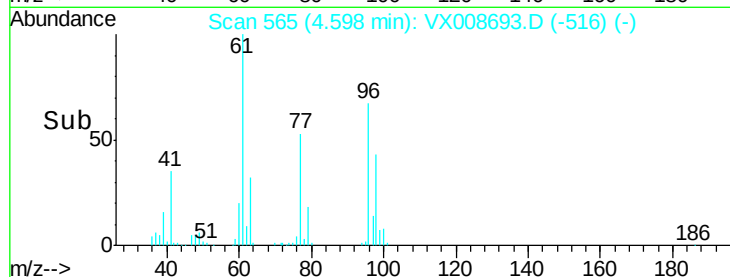
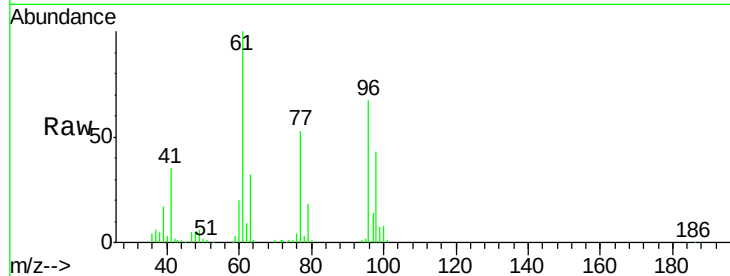
cis-1,2-Dichloroethene
Concen: 17.347 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	327.6
98	63.8	0.0	128.6

Manual Integrations
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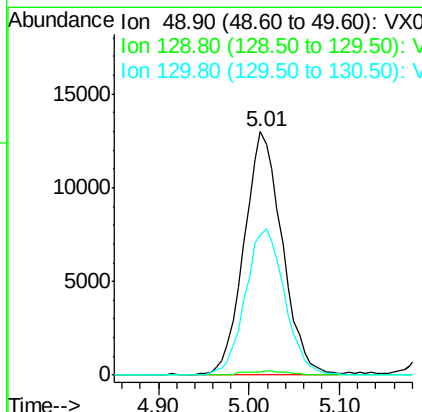
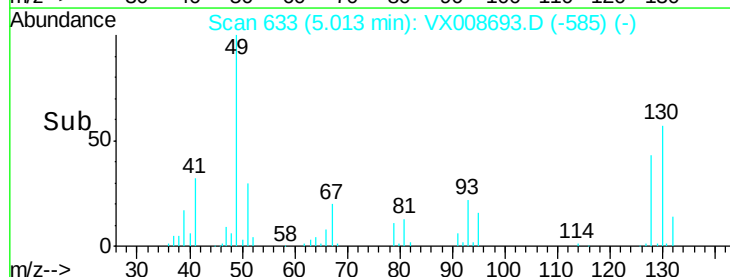
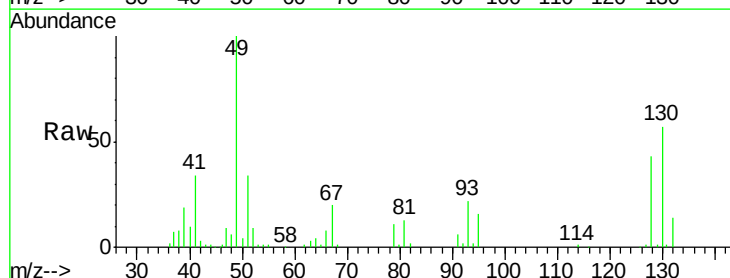
MMDadoda
4/8/2019 9:50:13 AM

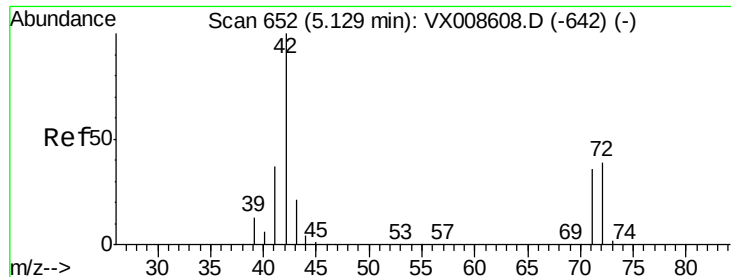


#28

Bromochloromethane
Concen: 18.565 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	61.8	49.3	73.9





#29

Tetrahydrofuran

Concen: 86.879 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

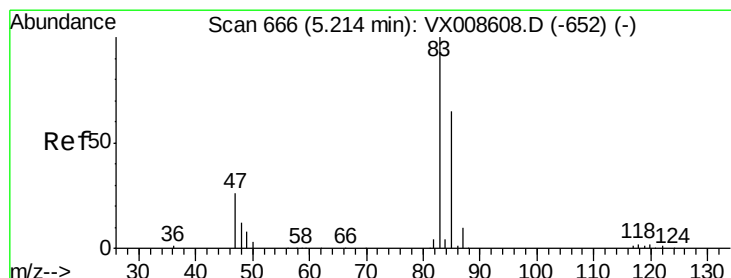
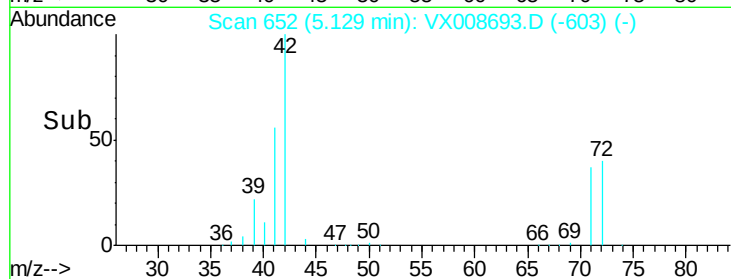
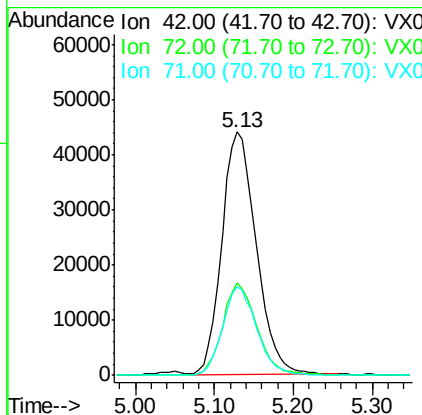
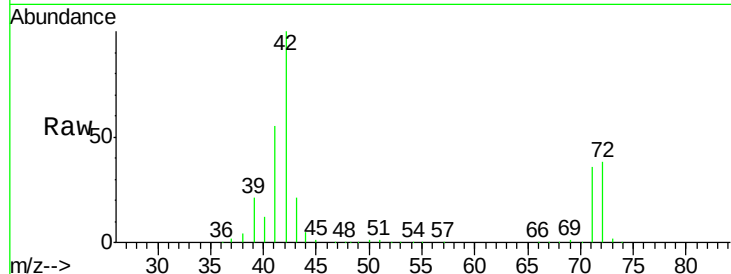
ClientSampleId :

VX0405WBSD02

Tgt Ion:	42	Resp:	134178
Ion Ratio	Lower	Upper	
42	100		
72	37.9	30.5	45.7
71	36.2	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 17.561 ug/l

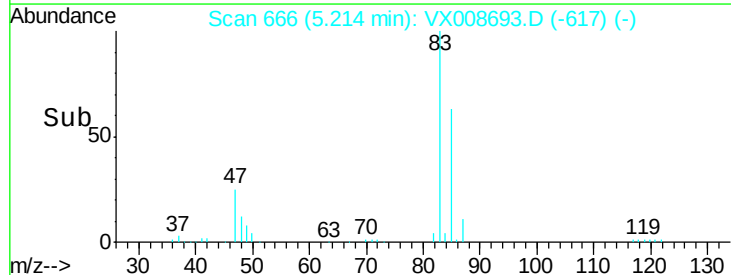
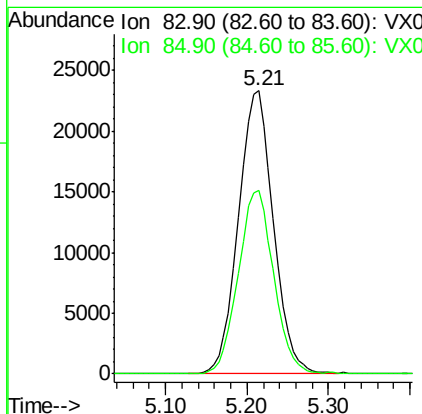
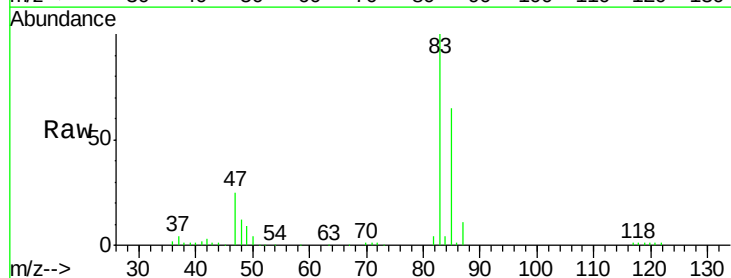
RT: 5.21 min Scan# 666

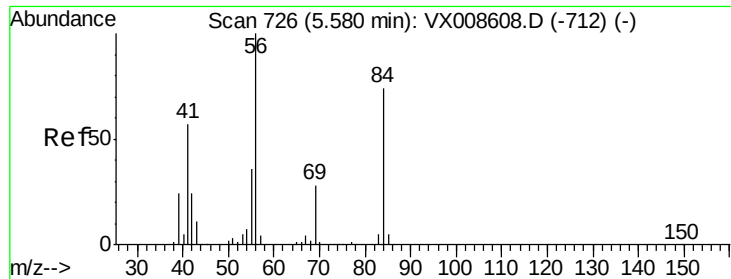
Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion:	83	Resp:	69421
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.1	78.1





#31

Cyclohexane

Concen: 16.850 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

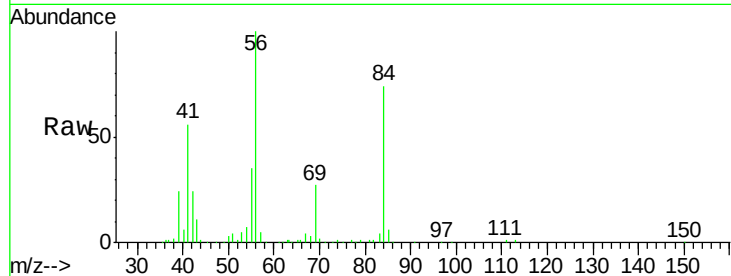
ClientSampleId :

VX0405WBSD02

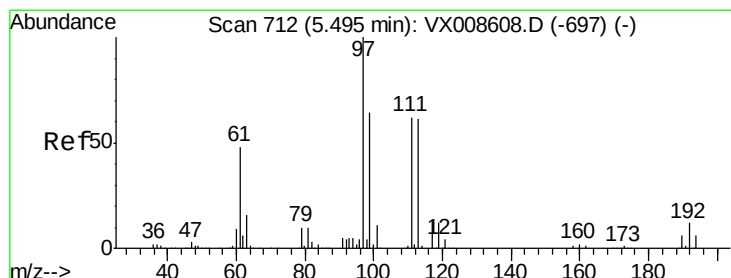
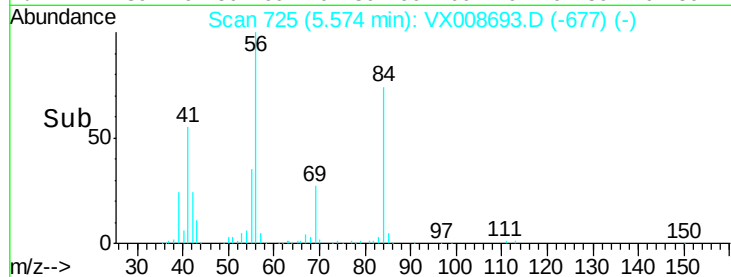
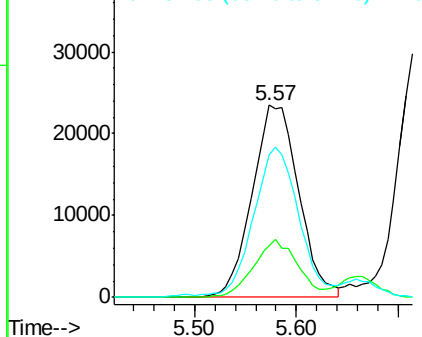
Tgt Ion:	56	Resp:	74416
Ion Ratio	Lower	Upper	
56	100		
69	26.8	22.6	33.8
84	72.8	59.3	88.9

Manual Integrations
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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: 17.342 ug/l

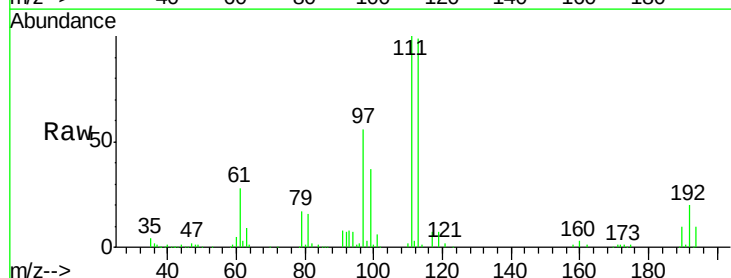
RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

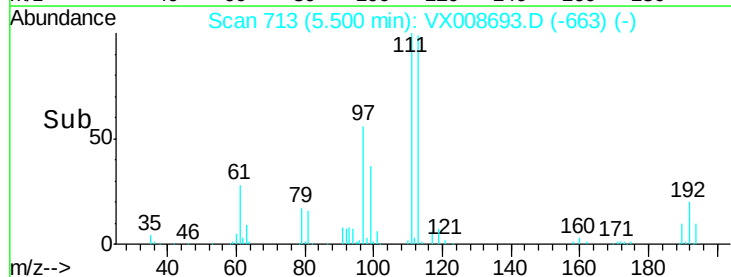
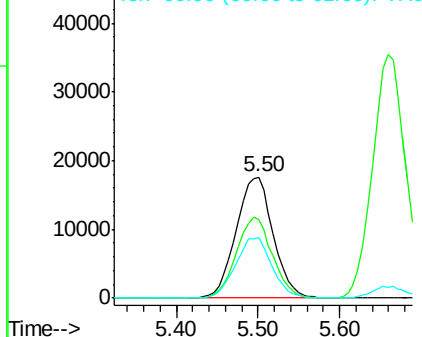
Lab File: VX008693.D

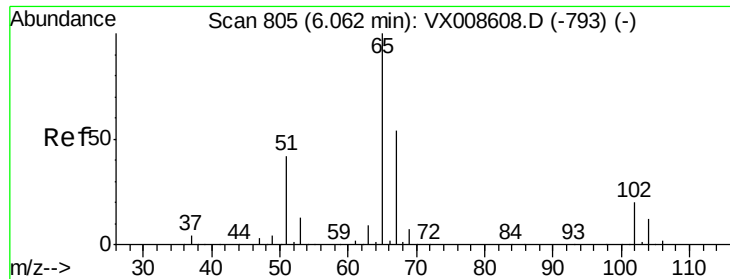
Acq: 05 Apr 2019 19:43

Tgt Ion:	97	Resp:	55401
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.3	76.9
61	49.4	38.9	58.3



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





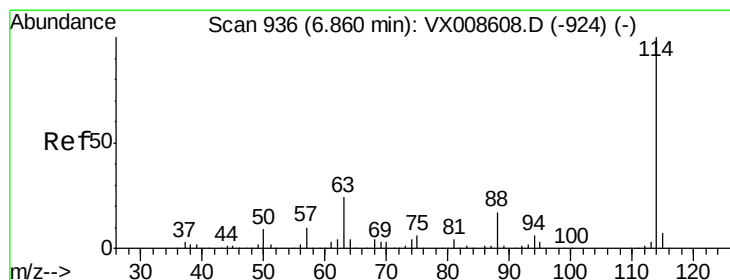
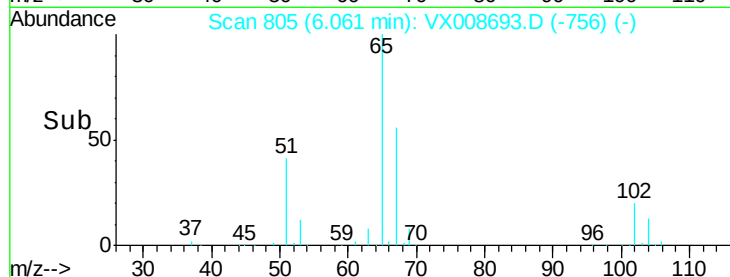
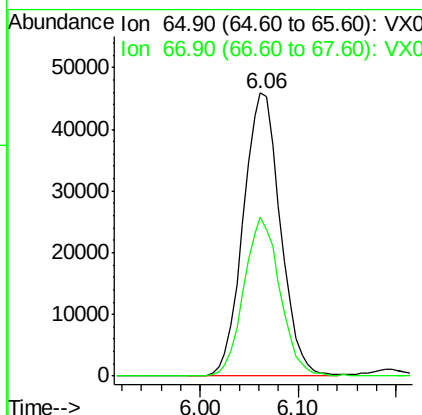
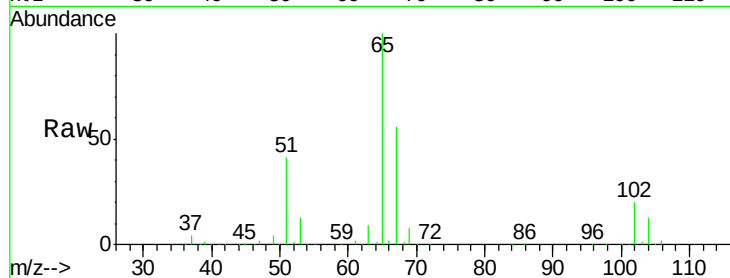
#33
 1,2-Dichloroethane-d4
 Concen: 47.247 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0405WBSD02

Tgt Ion: 65 Resp: 120768
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.2

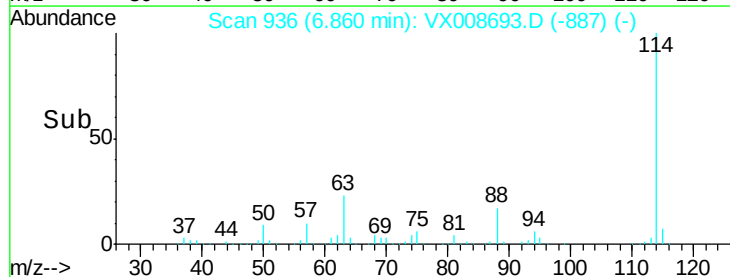
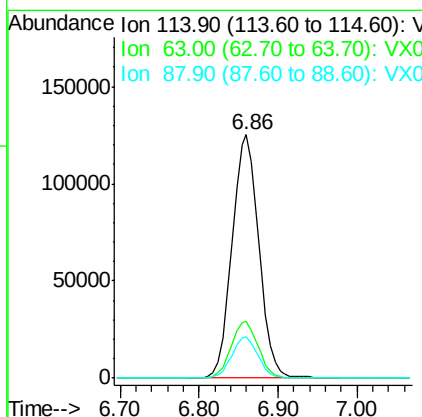
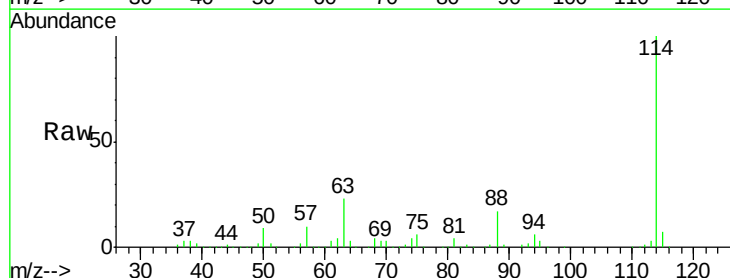
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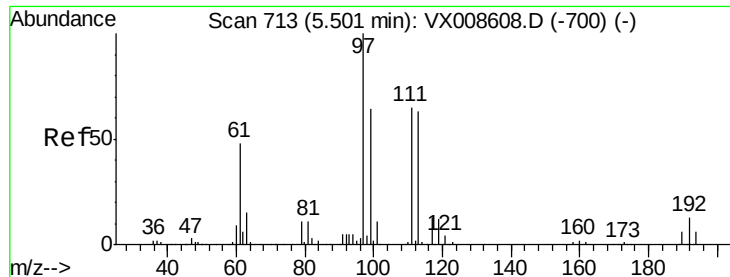
MMDadoda
 4/8/2019 9:50:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion: 114 Resp: 295416
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 47.2
 88 16.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.192 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

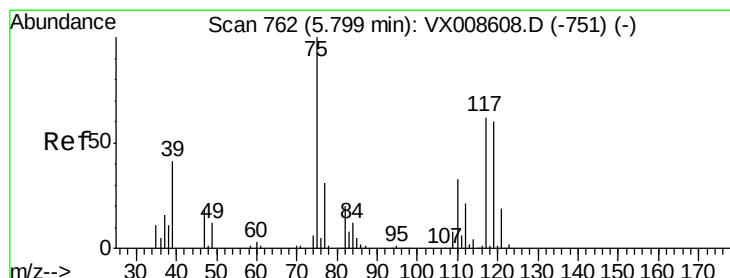
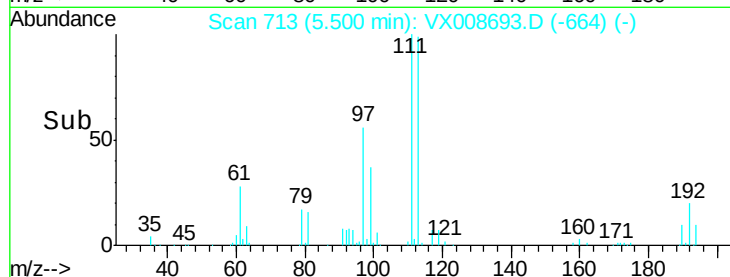
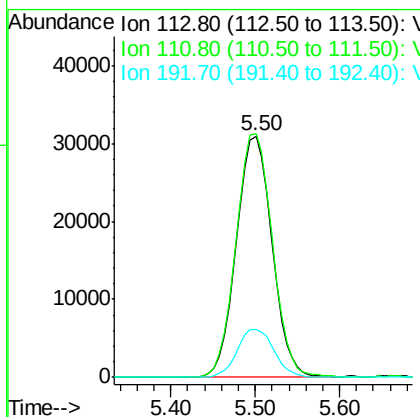
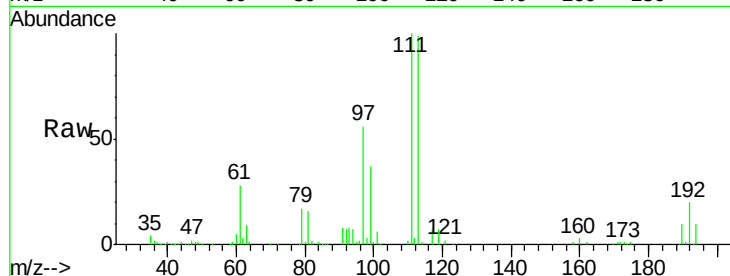
ClientSampleId :

VX0405WBSD02

Tgt Ion:	113	Resp:	89135
Ion Ratio	Lower	Upper	
113	100		
111	102.8	83.4	125.2
192	20.4	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 16.634 ug/l

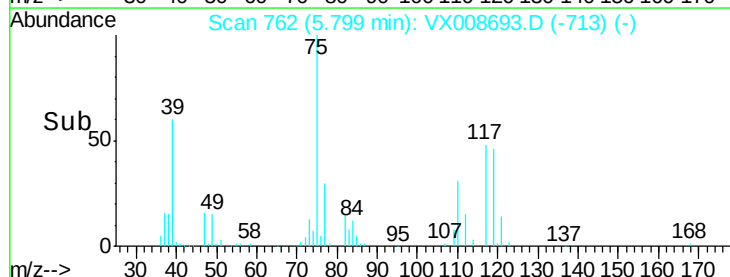
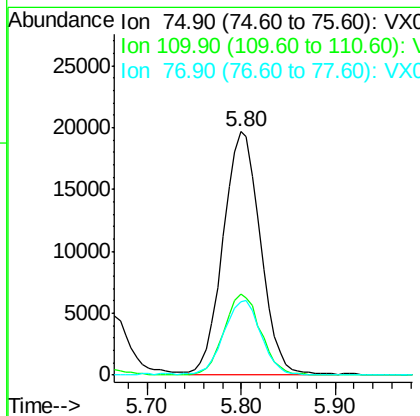
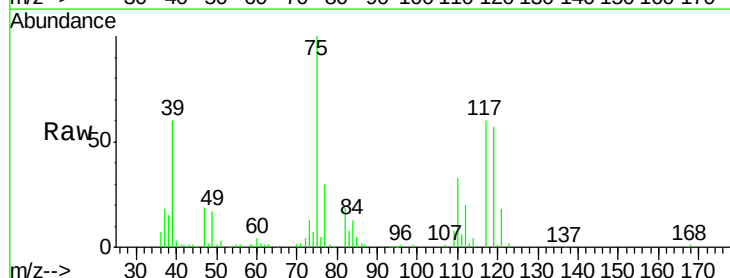
RT: 5.80 min Scan# 762

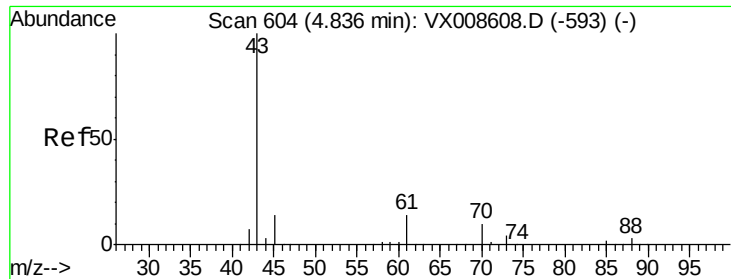
Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion:	75	Resp:	53716
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.4	49.2
77	31.3	24.7	37.1





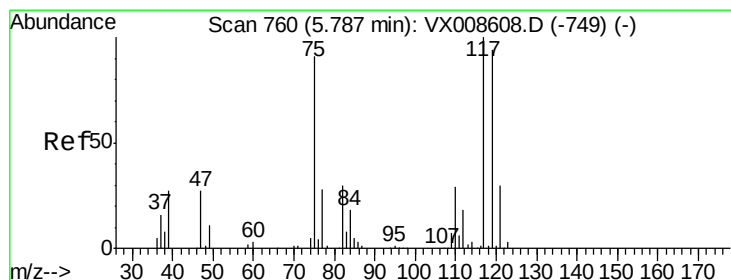
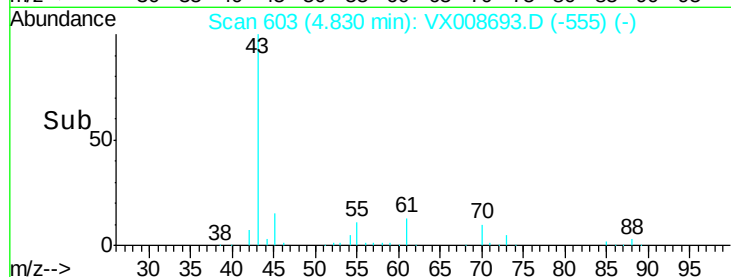
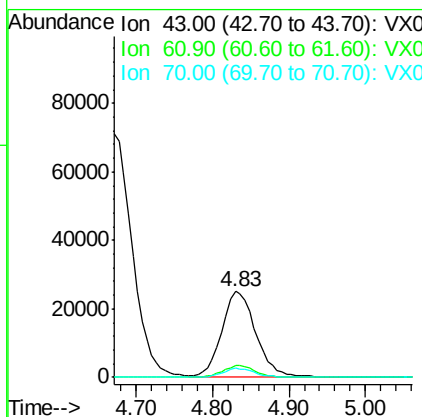
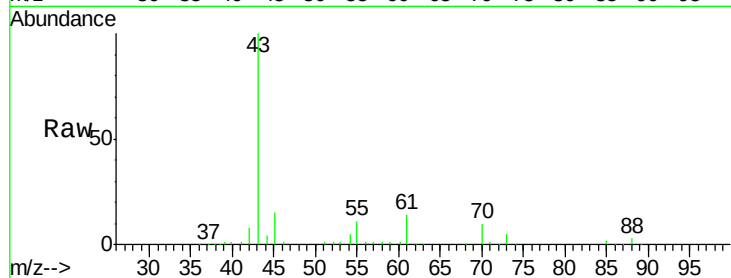
#37
Ethyl Acetate
Concen: 17.594 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion: 43 Resp: 75834
Ion Ratio Lower Upper
43 100
61 13.7 10.3 15.5
70 9.9 7.6 11.4

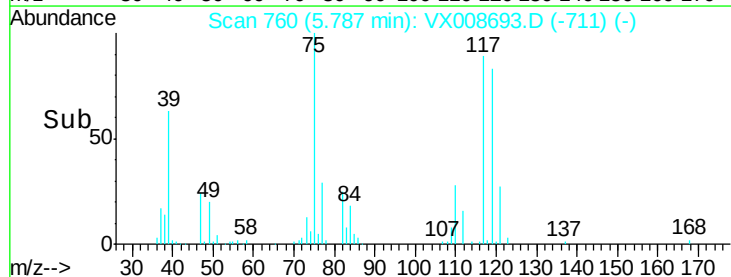
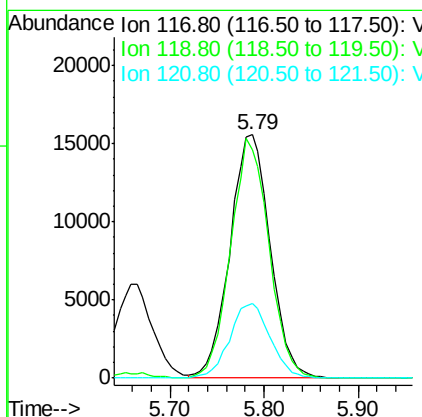
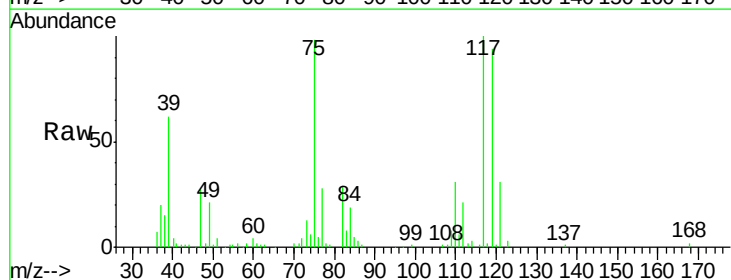
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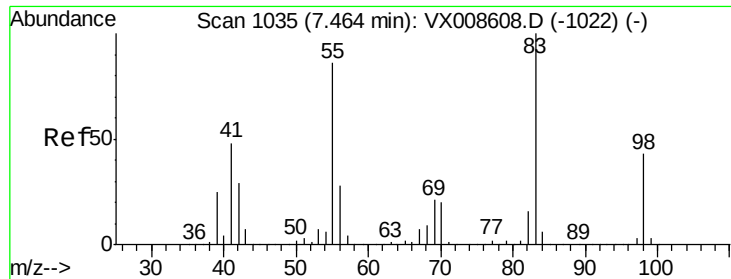
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.325 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 117 Resp: 46305
Ion Ratio Lower Upper
117 100
119 93.9 75.0 112.6
121 30.9 24.3 36.5





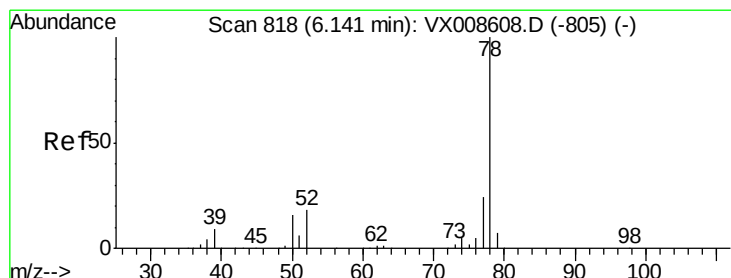
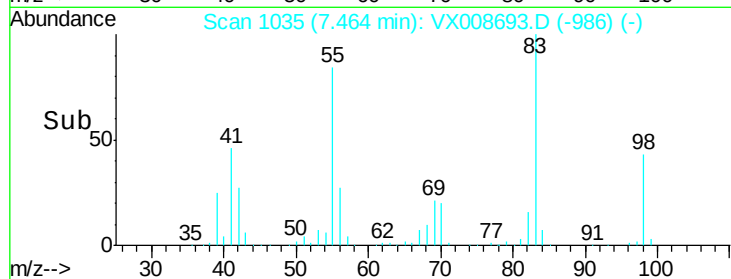
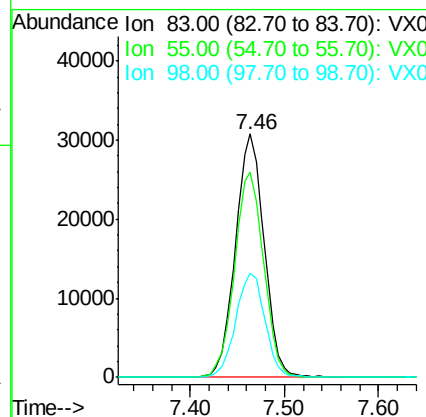
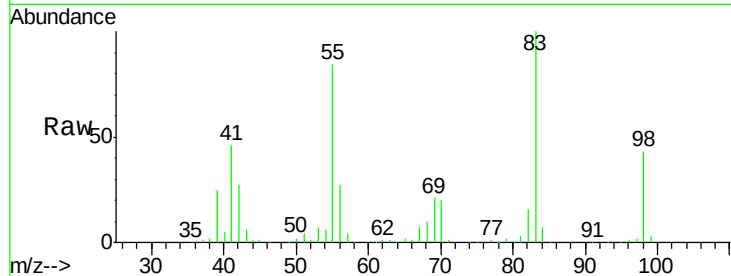
#39
Methylcyclohexane
Concen: 16.340 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.4	69.0	103.6
98	42.6	34.4	51.6

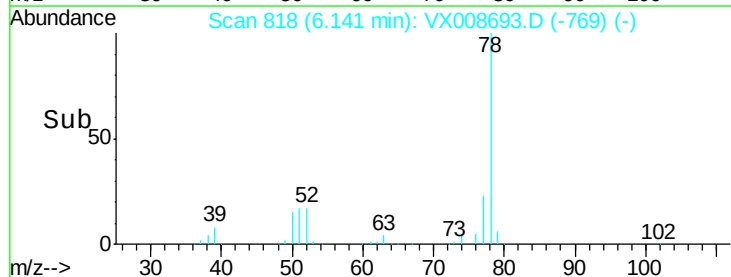
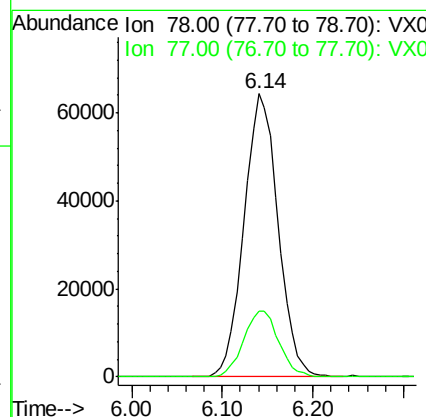
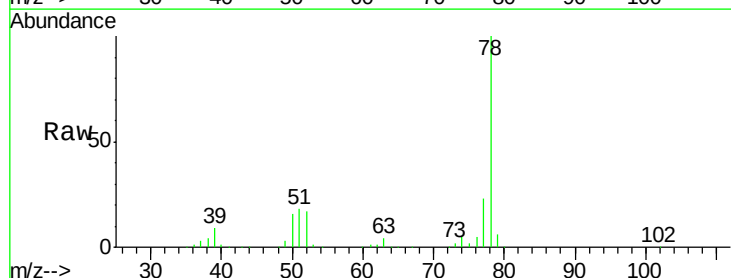
Manual Integrations
APPROVED

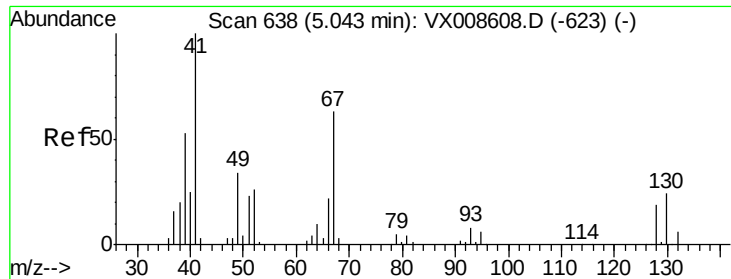
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#40
Benzene
Concen: 17.384 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





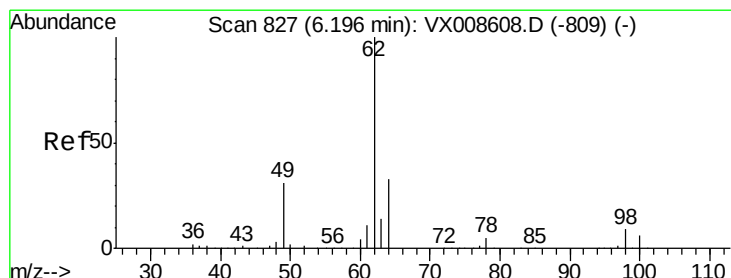
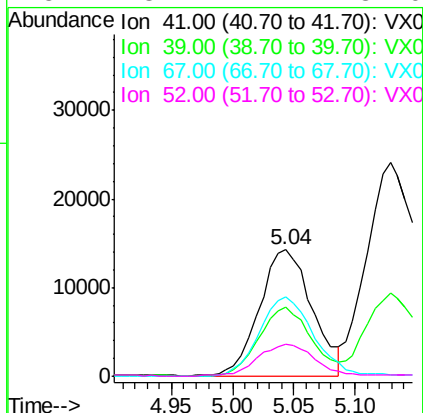
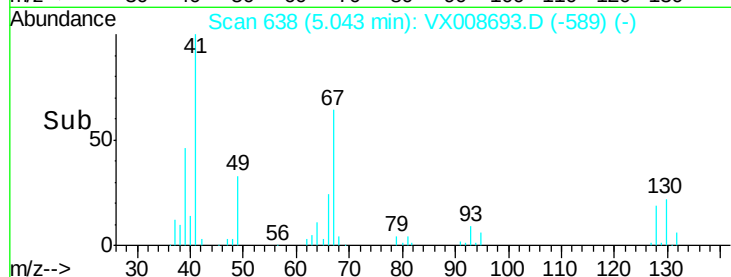
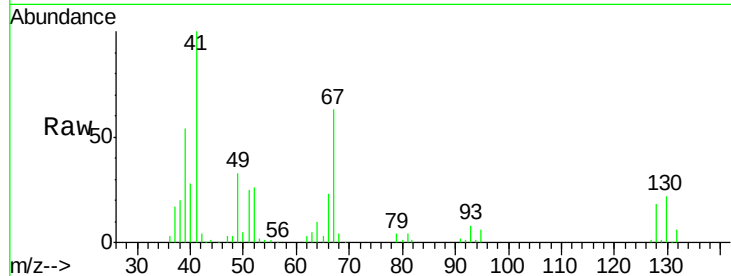
#41
Methacrylonitrile
Concen: 17.120 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.0	42.1	63.1	
67	65.9	51.0	76.6	
52	28.1	21.4	32.0	

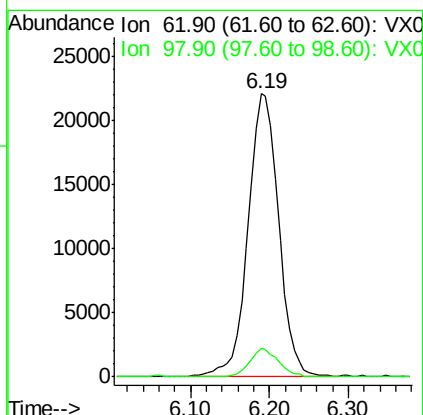
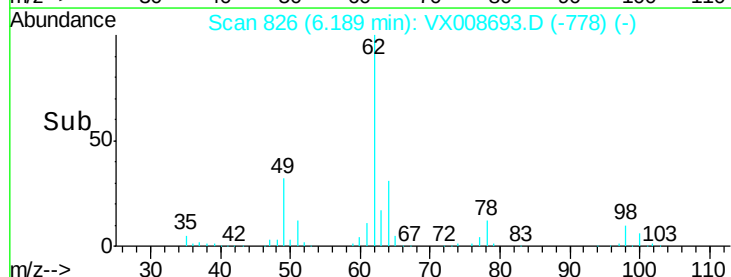
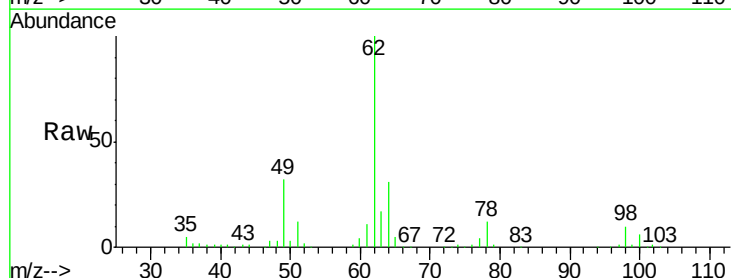
Manual Integrations
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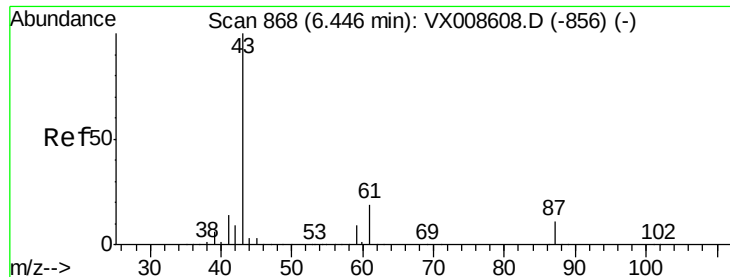
MMDadoda
4/8/2019 9:50:13 AM



#42
1,2-Dichloroethane
Concen: 17.327 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.0	





#43

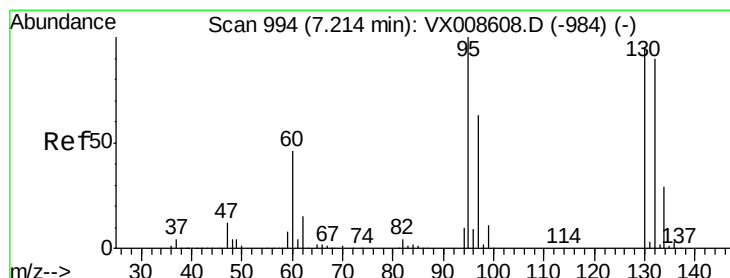
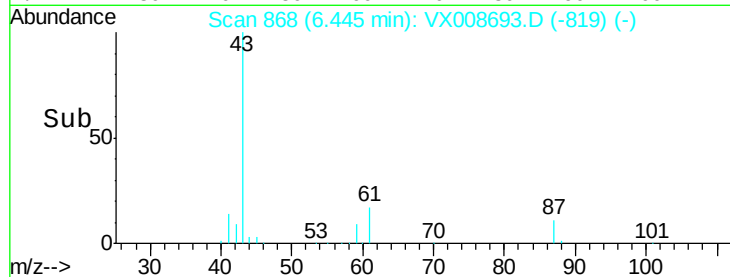
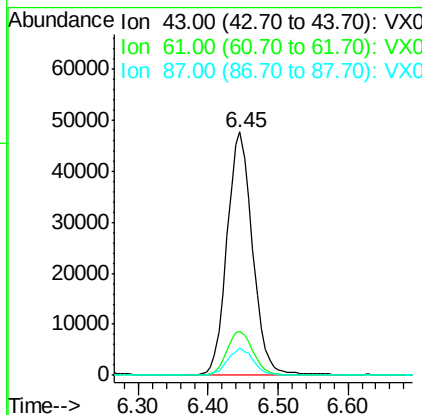
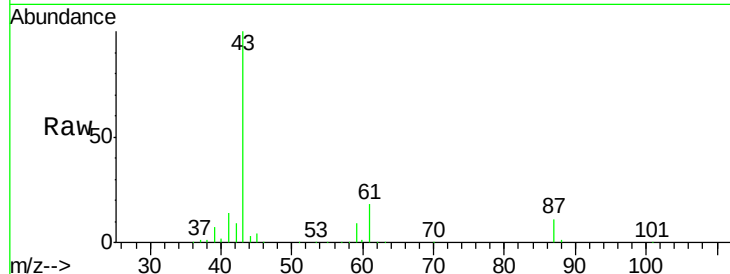
Isopropyl Acetate
 Concen: 17.698 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.3	22.9
87	11.3	9.0	13.6

Manual Integrations
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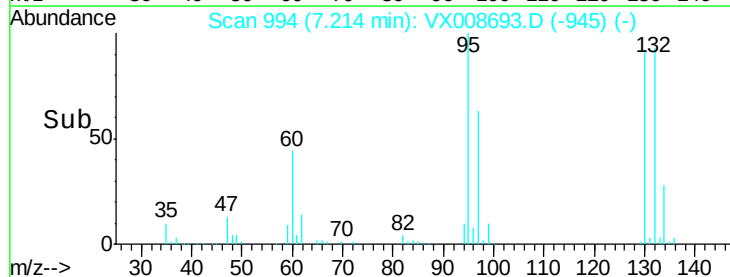
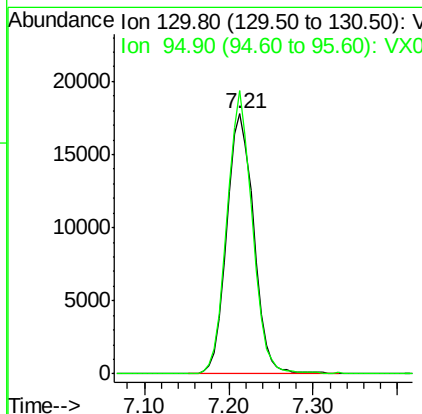
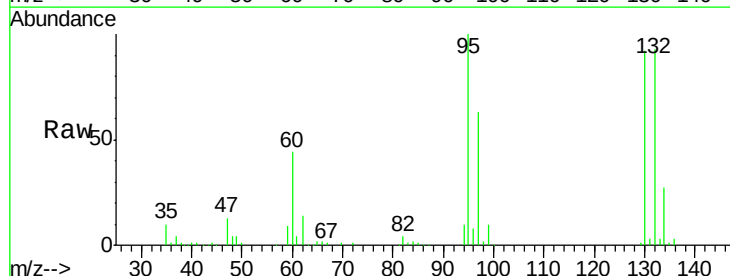
MMDadoda
 4/8/2019 9:50:13 AM

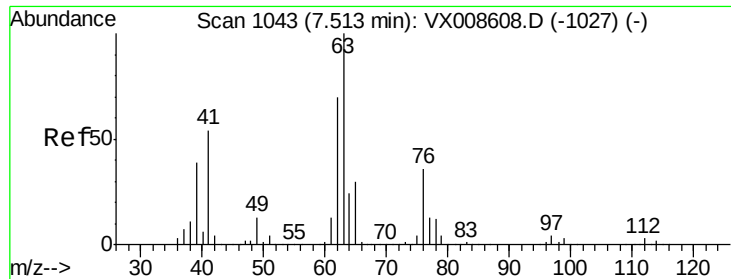


#44

Trichloroethene
 Concen: 17.164 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.8	0.0	209.8





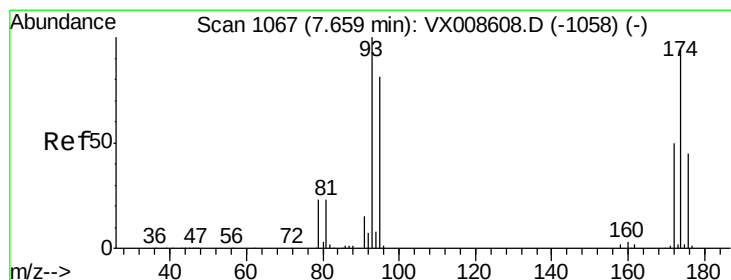
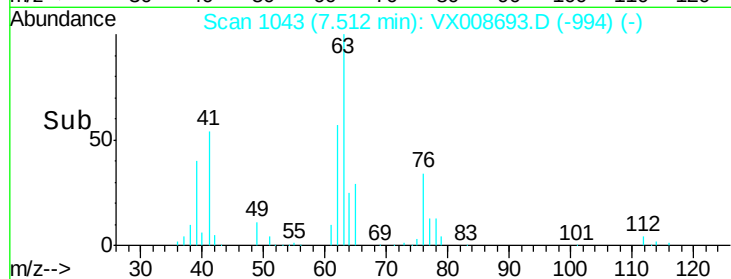
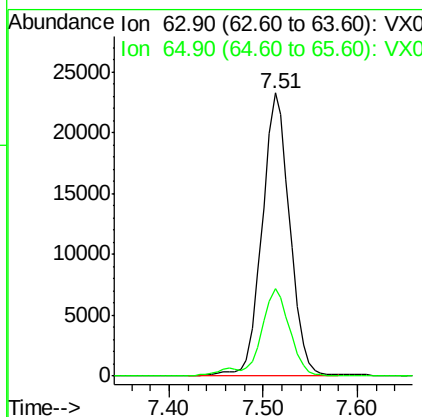
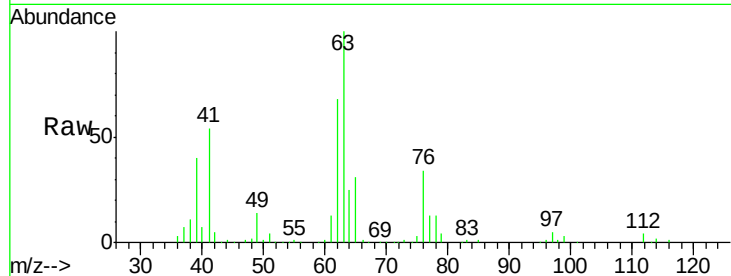
#45
 1,2-Dichloropropane
 Concen: 17.501 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Tgt Ion: 63 Resp: 48054
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.2 36.4

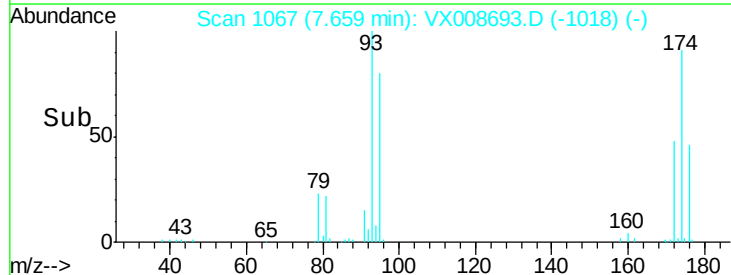
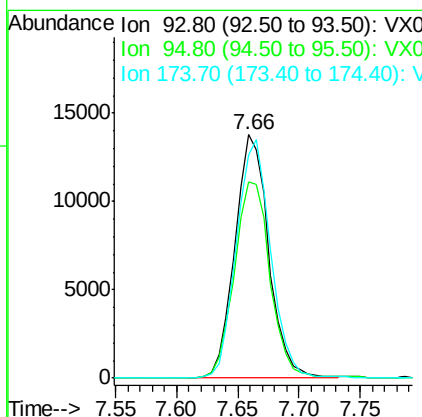
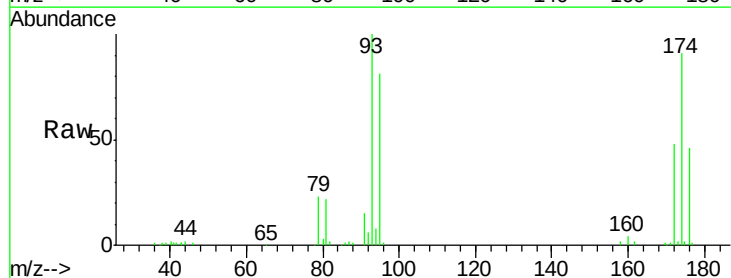
Manual Integrations
 APPROVED

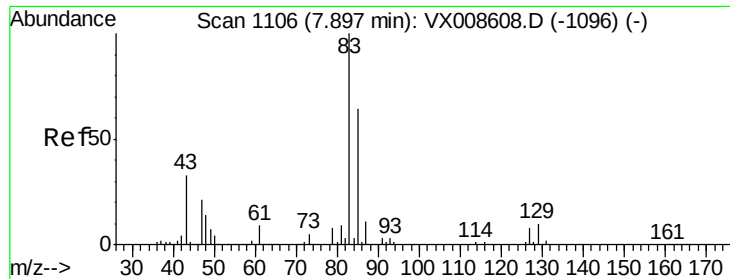
MMDadoda
 4/8/2019 9:50:13 AM



#46
 Dibromomethane
 Concen: 16.570 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion: 93 Resp: 26388
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.6 99.8
 174 99.1 77.7 116.5





#47

Bromodichloromethane

Concen: 17.335 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

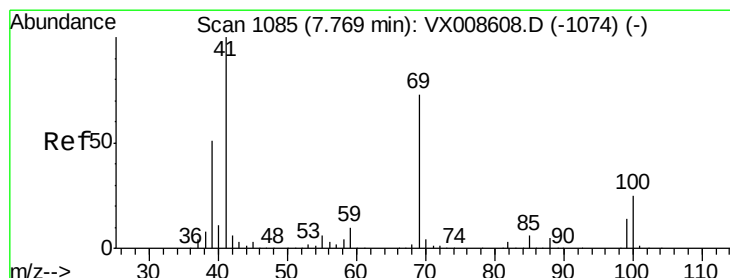
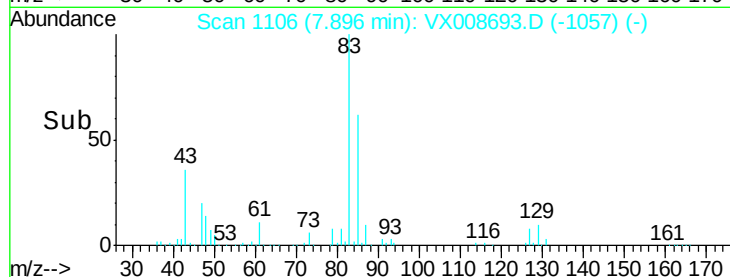
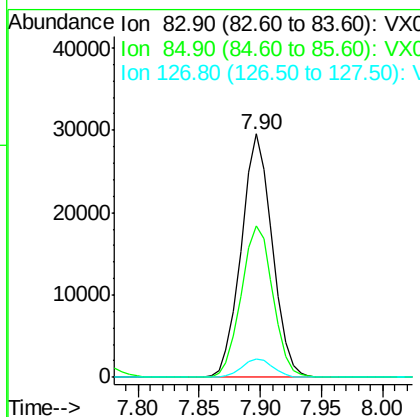
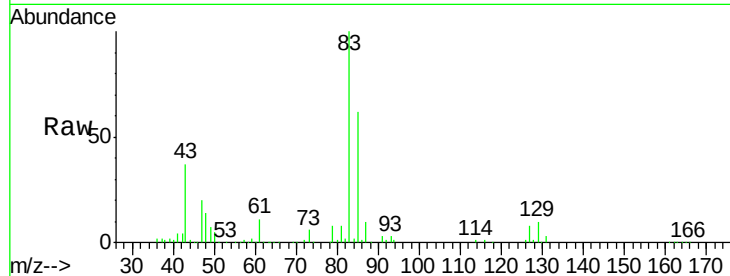
ClientSampleId :

VX0405WBSD02

Tgt Ion:	83	Resp:	52051
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.2	76.8
127	7.5	6.6	10.0

Manual Integrations
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MMDadoda
4/8/2019 9:50:13 AM



#48

Methyl methacrylate

Concen: 17.738 ug/l

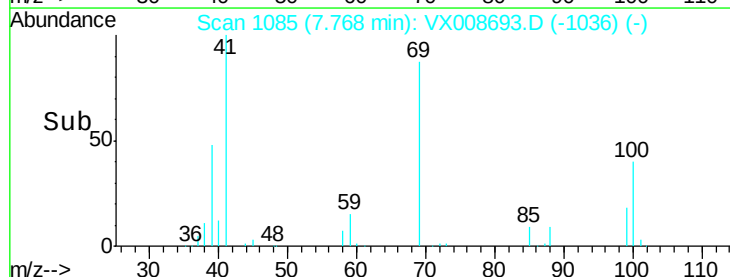
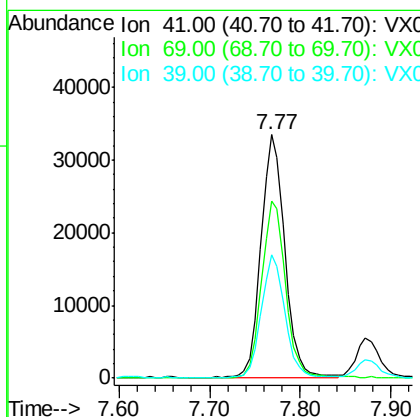
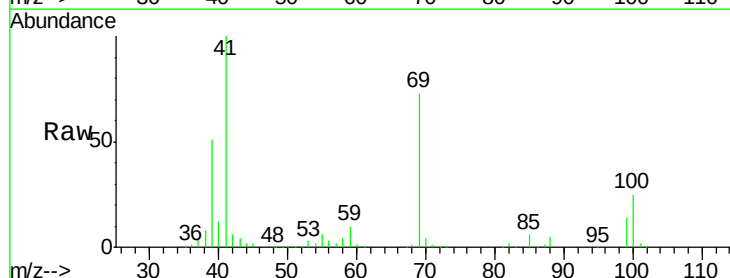
RT: 7.77 min Scan# 1085

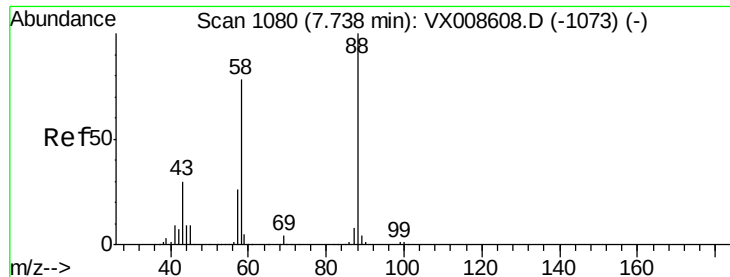
Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion:	41	Resp:	60586
Ion	Ratio	Lower	Upper
41	100		
69	74.1	59.0	88.4
39	50.1	41.0	61.4





#49

1,4-Dioxane

Concen: 374.663 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

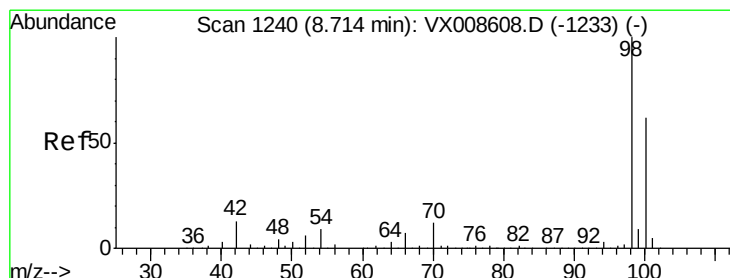
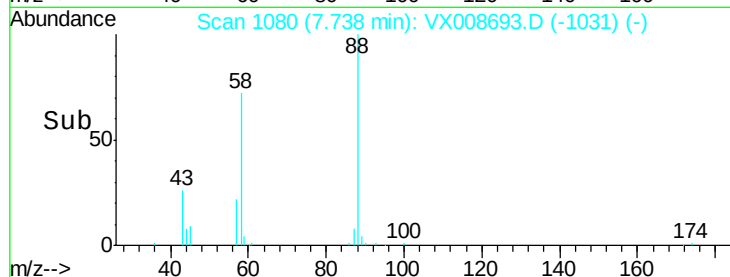
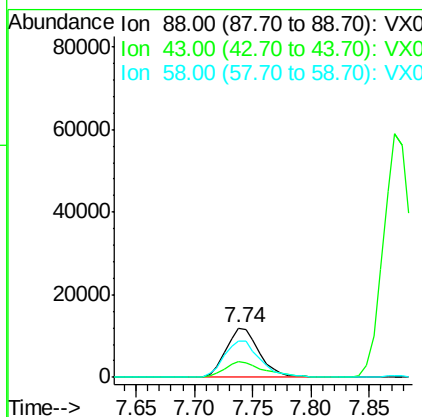
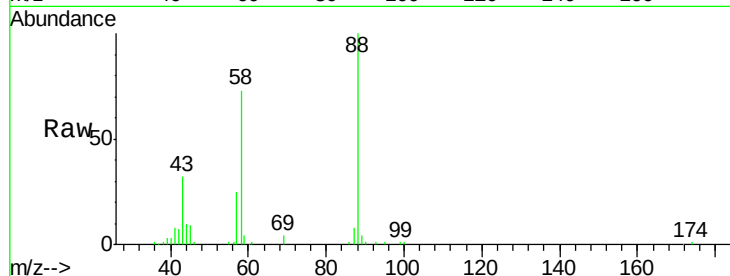
ClientSampleId :

VX0405WBSD02

Tgt Ion:	88	Resp:	23972
Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.6	43.0
58	79.3	62.2	93.2

Manual Integrations
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#50

Toluene-d8

Concen: 48.331 ug/l

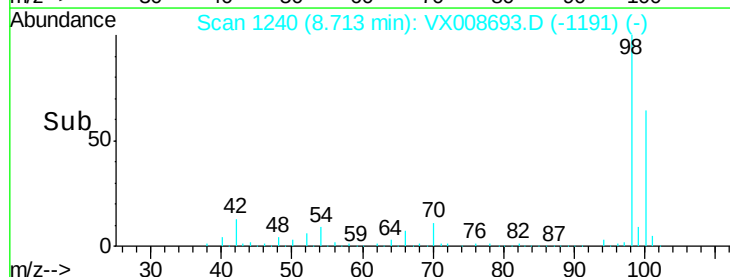
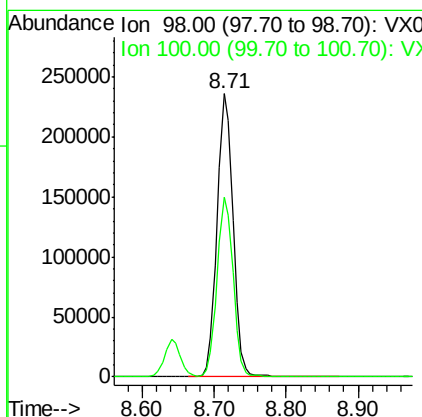
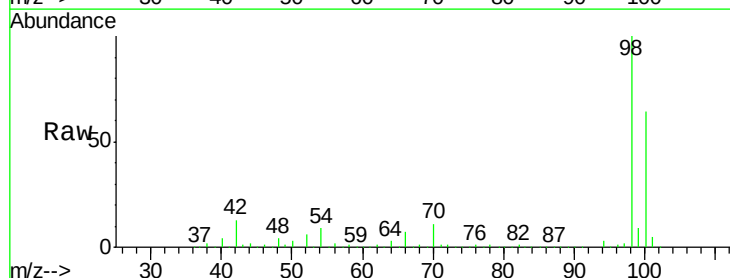
RT: 8.71 min Scan# 1240

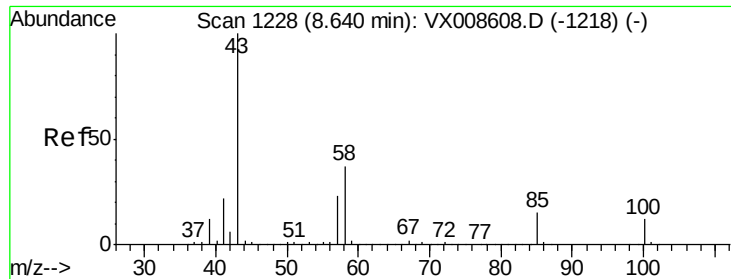
Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion:	98	Resp:	363482
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 90.518 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 43 Resp: 393444

Ion Ratio Lower Upper

43 100

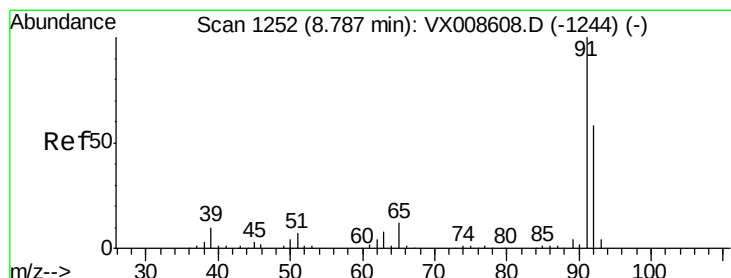
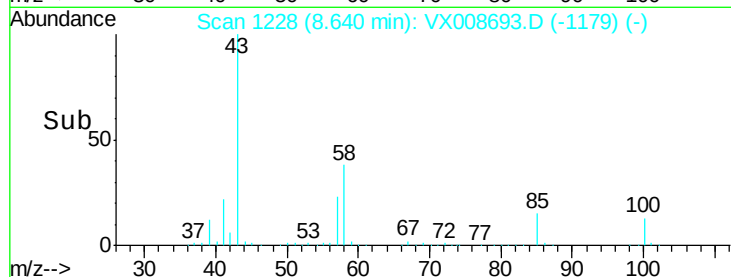
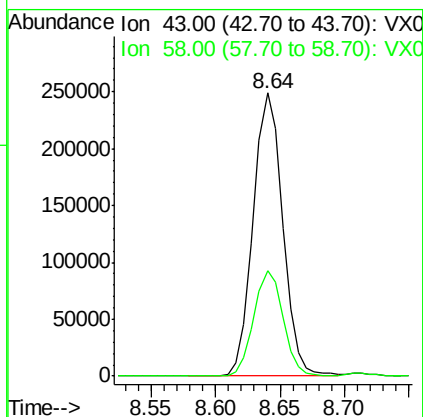
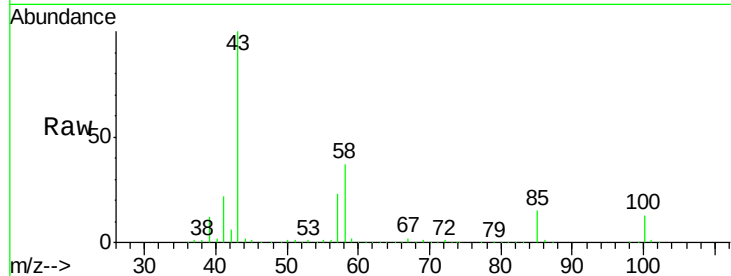
58 37.1 29.5 44.3

Manual Integrations

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4/8/2019 9:50:13 AM



#52

Toluene

Concen: 17.713 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008693.D

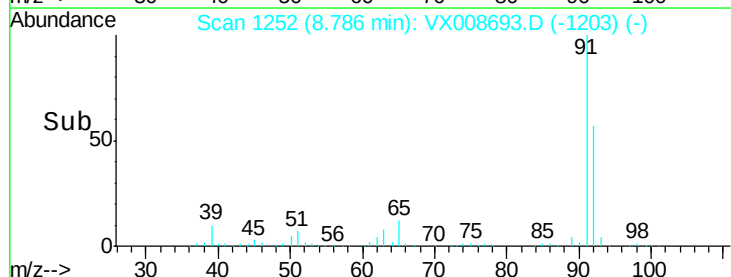
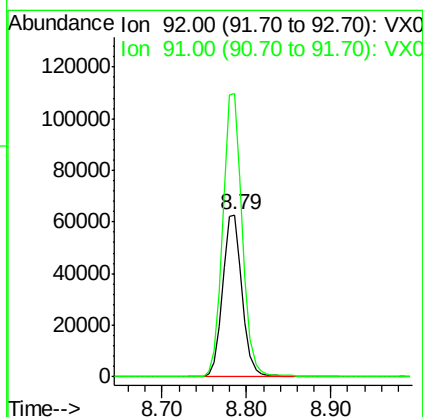
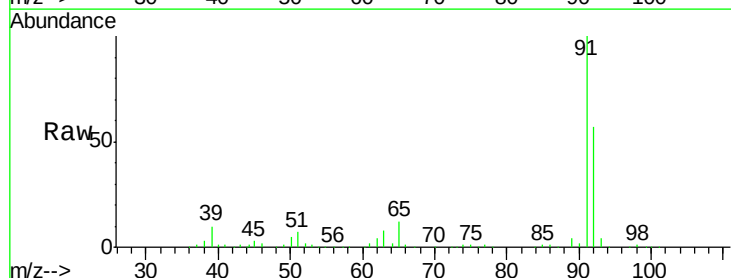
Acq: 05 Apr 2019 19:43

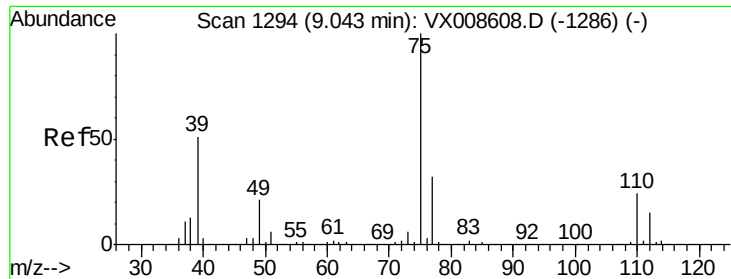
Tgt Ion: 92 Resp: 100458

Ion Ratio Lower Upper

92 100

91 175.3 138.5 207.7





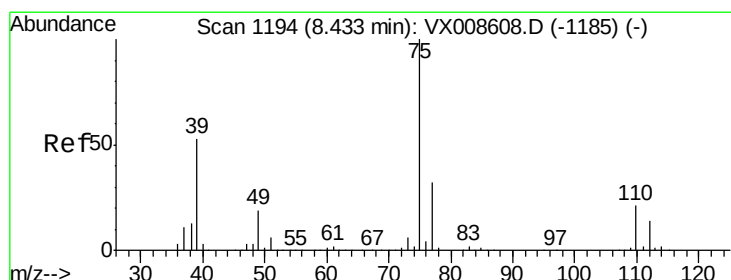
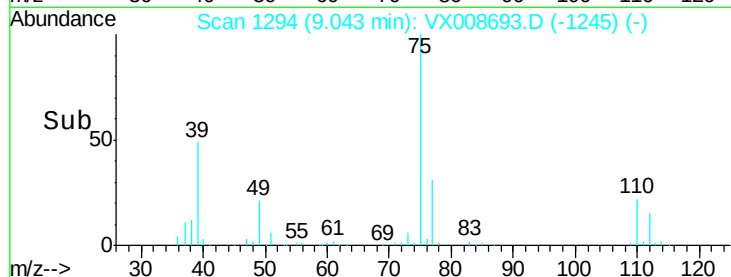
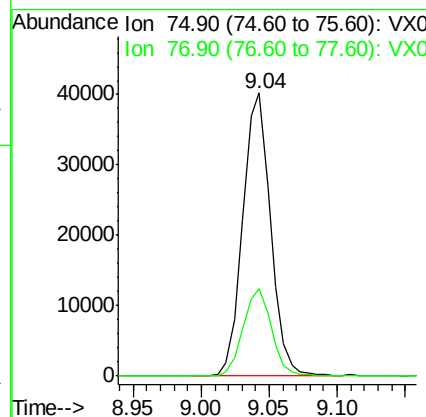
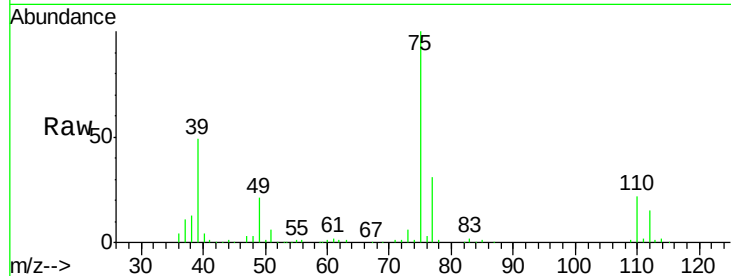
#53
t-1,3-Dichloropropene
Concen: 17.083 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion: 75 Resp: 57458
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8

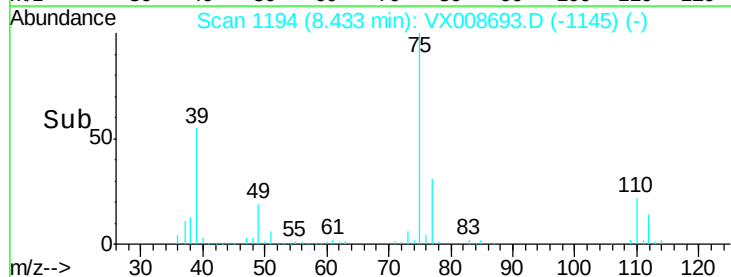
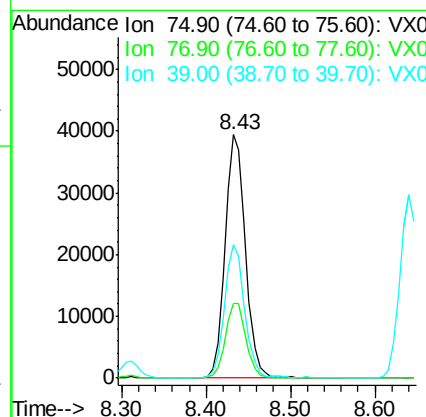
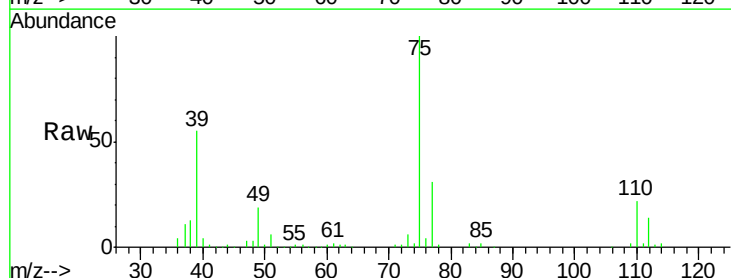
Manual Integrations
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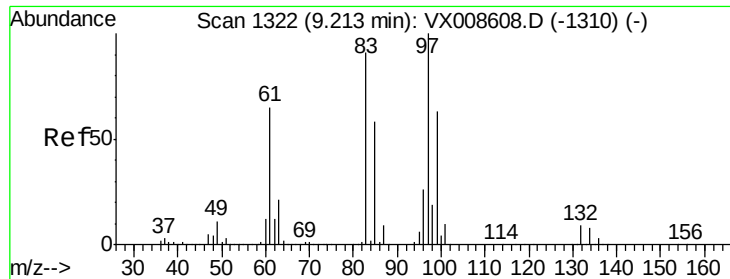
MMDadoda
4/8/2019 9:50:13 AM



#54
cis-1,3-Dichloropropene
Concen: 16.992 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 75 Resp: 65304
Ion Ratio Lower Upper
75 100
77 30.7 25.3 37.9
39 54.4 42.6 63.8





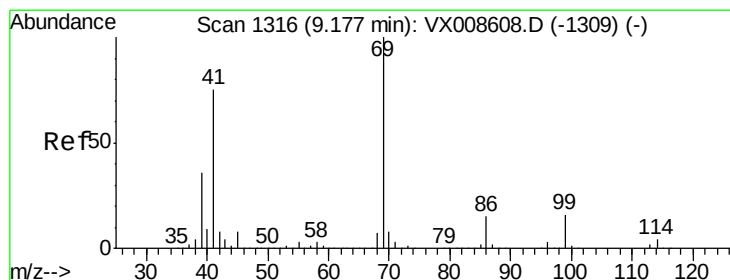
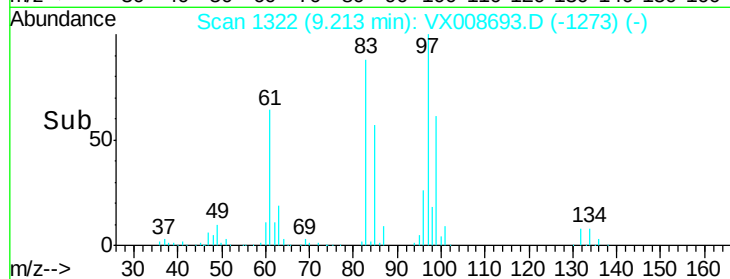
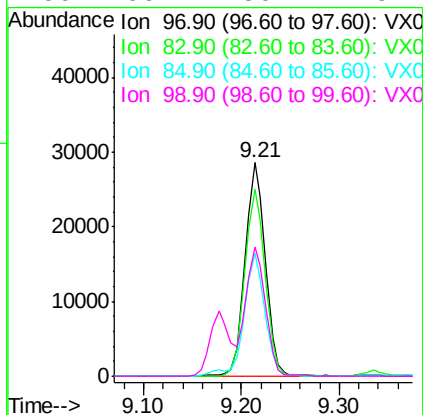
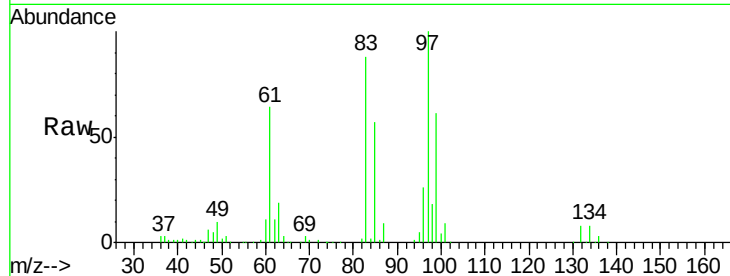
#55
 1,1,2-Trichloroethane
 Concen: 18.082 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	73.2	109.8
85	57.4	46.6	69.8
99	60.4	50.1	75.1

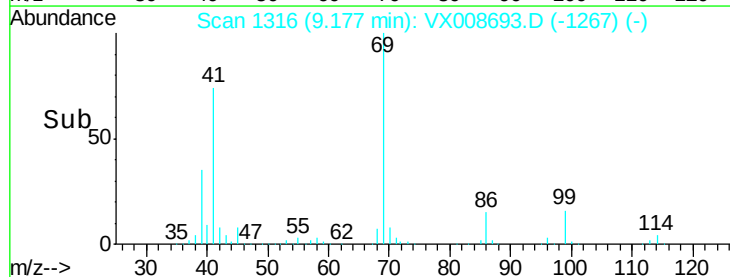
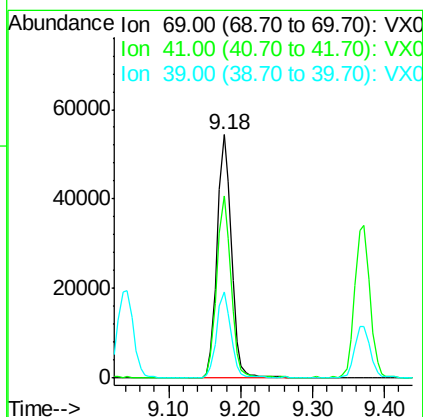
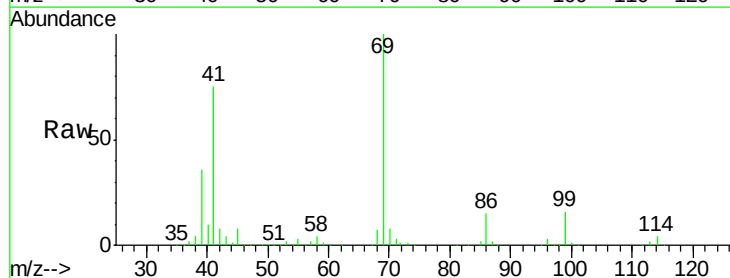
Manual Integrations
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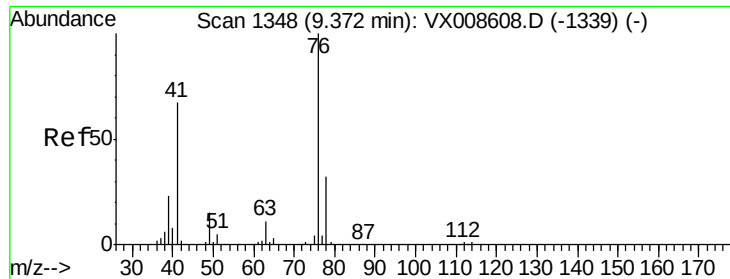
MMDadoda
 4/8/2019 9:50:13 AM



#56
 Ethyl methacrylate
 Concen: 18.299 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.7	60.1	90.1
39	34.7	28.9	43.3





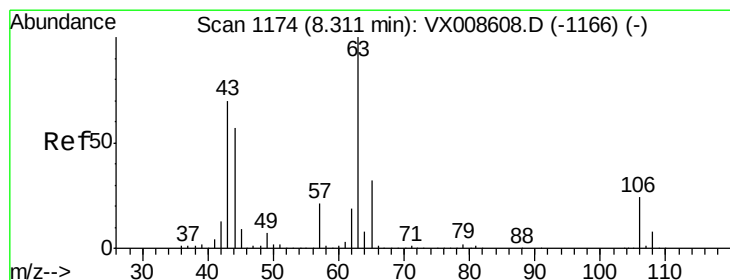
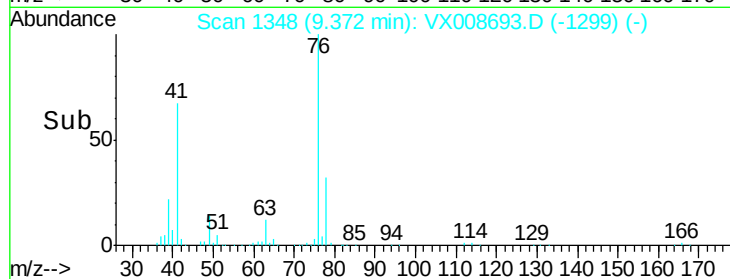
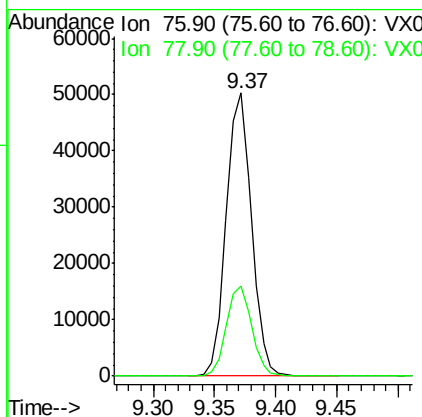
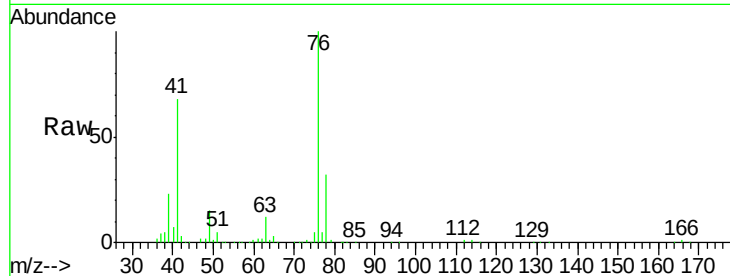
#57
 1,3-Dichloropropane
 Concen: 17.604 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Tgt Ion: 76 Resp: 71966
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

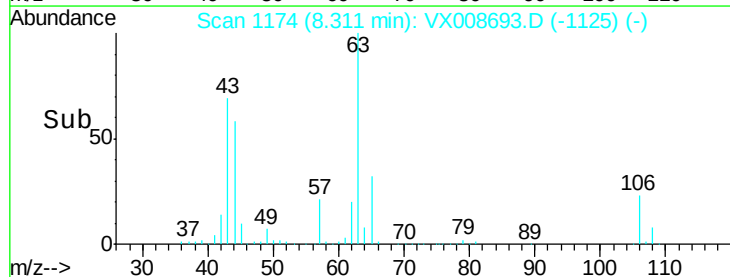
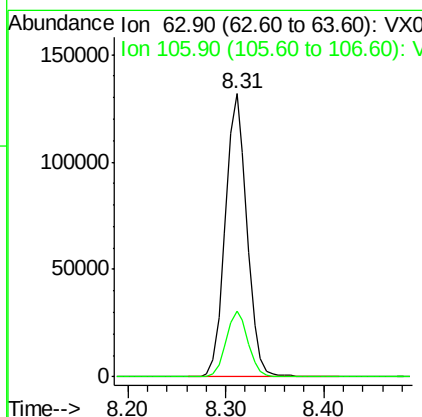
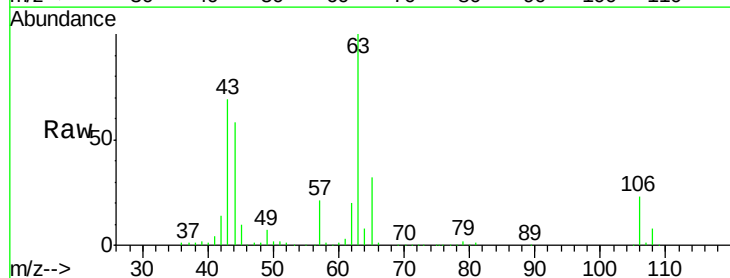
Manual Integrations
 APPROVED

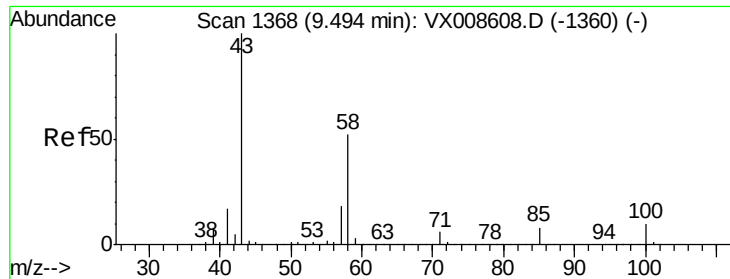
MMDadoda
 4/8/2019 9:50:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.151 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion: 63 Resp: 202235
 Ion Ratio Lower Upper
 63 100
 106 23.5 19.0 28.6





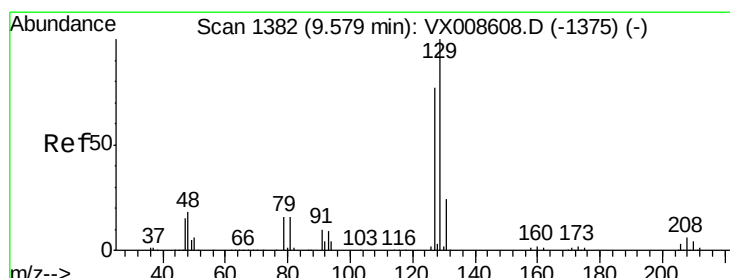
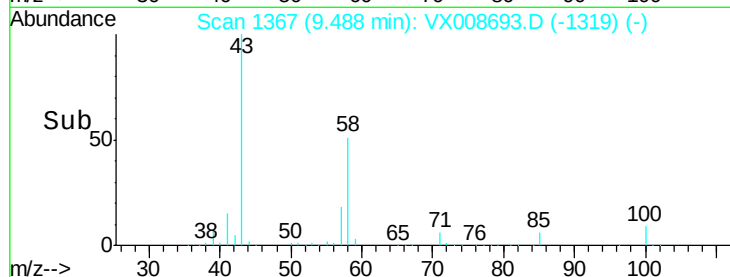
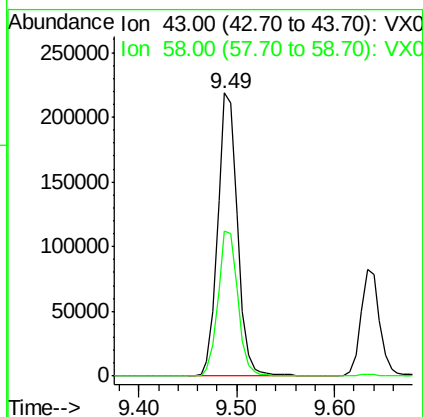
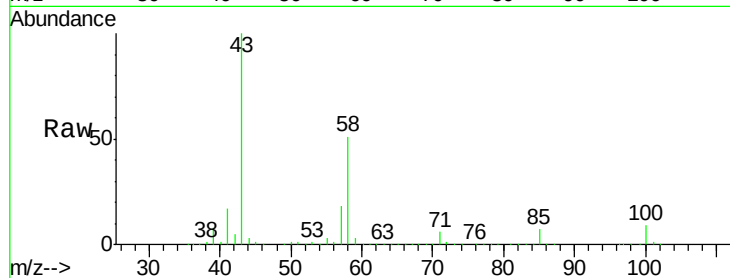
#59
2-Hexanone
Concen: 90.776 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion: 43 Resp: 306634
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7

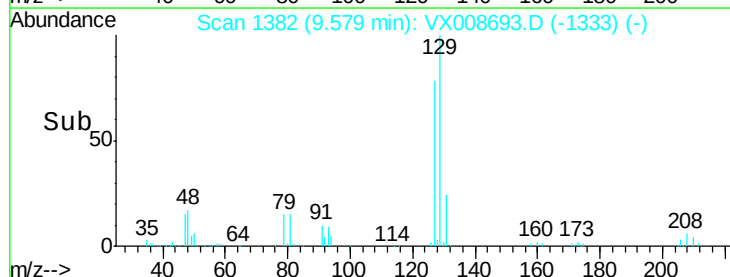
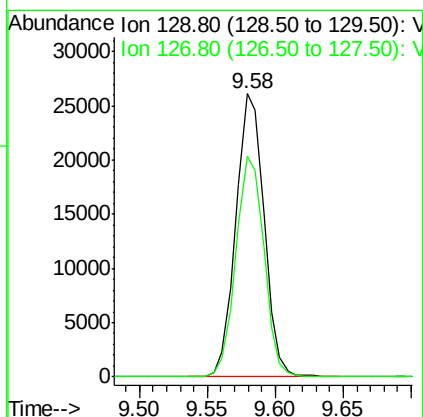
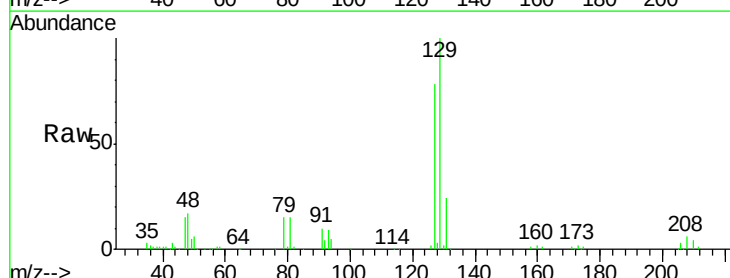
Manual Integrations
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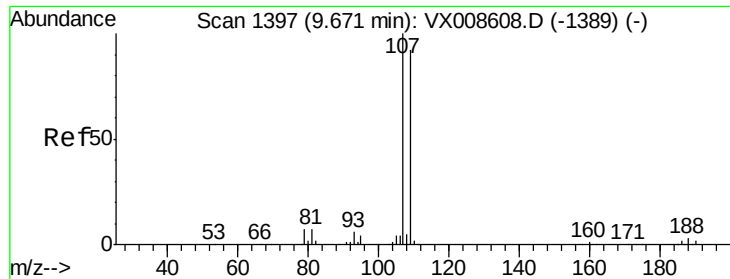
MMDadoda
4/8/2019 9:50:13 AM



#60
Dibromochloromethane
Concen: 17.594 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 129 Resp: 37745
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 17.423 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 107 Resp: 41294

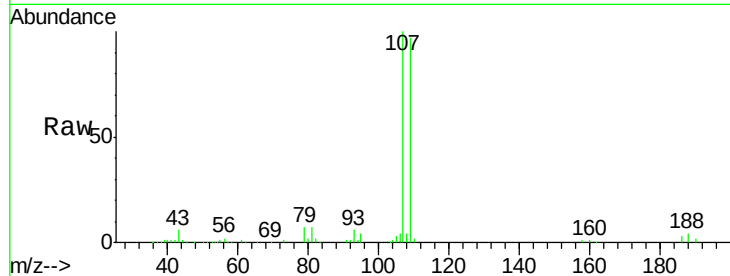
Ion Ratio Lower Upper

107 100

109 94.3 74.1 111.1

Manual Integrations
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4/8/2019 9:50:13 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

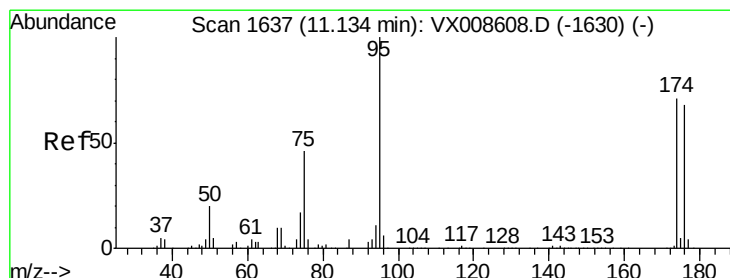
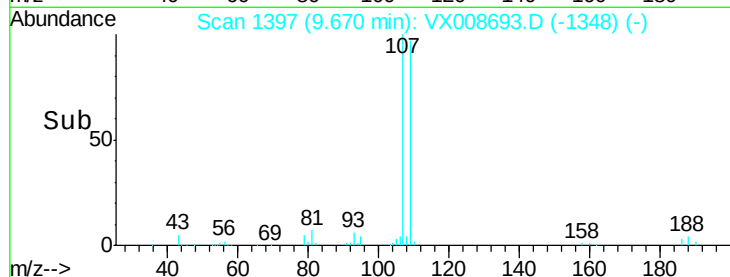
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 48.775 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

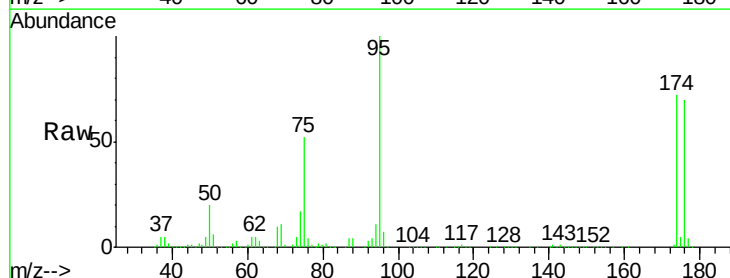
Tgt Ion: 95 Resp: 130079

Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.8

176 74.5 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

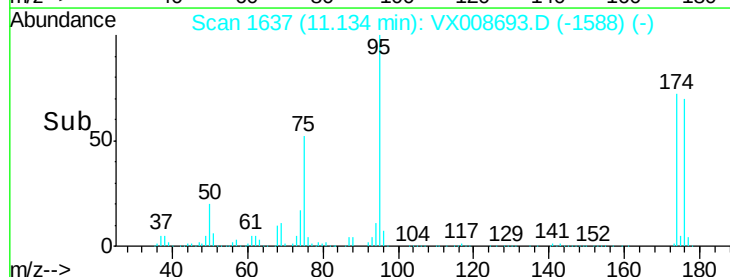
100000

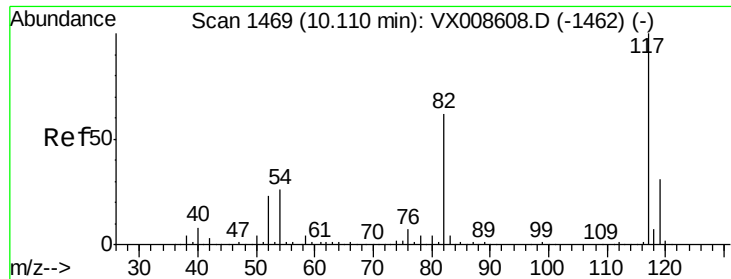
50000

0

Time-->

11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

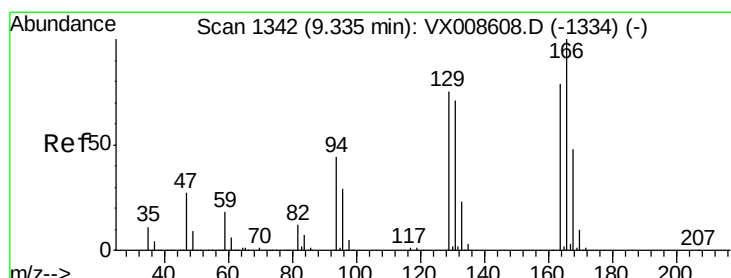
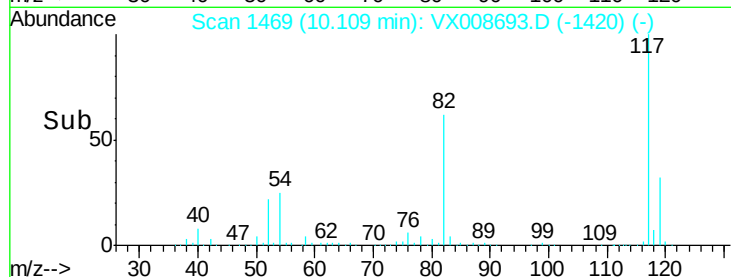
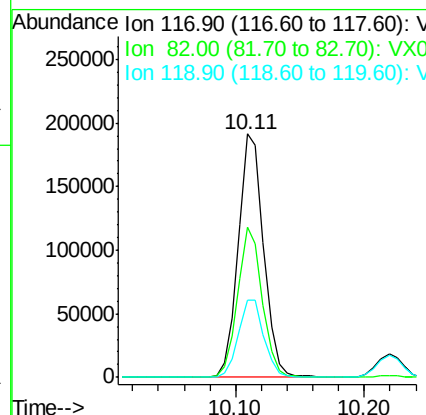
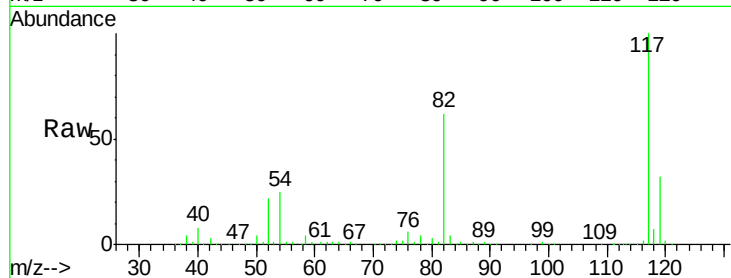
ClientSampleId :

VX0405WBSD02

Tgt Ion:	117	Resp:	263301
Ion Ratio	Lower	Upper	
117	100		
82	61.6	49.6	74.4
119	31.9	25.0	37.4

Manual Integrations
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MMDadoda
4/8/2019 9:50:13 AM



#64

Tetrachloroethene

Concen: 16.987 ug/l

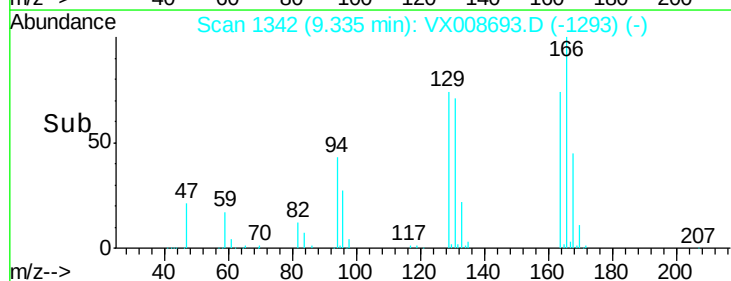
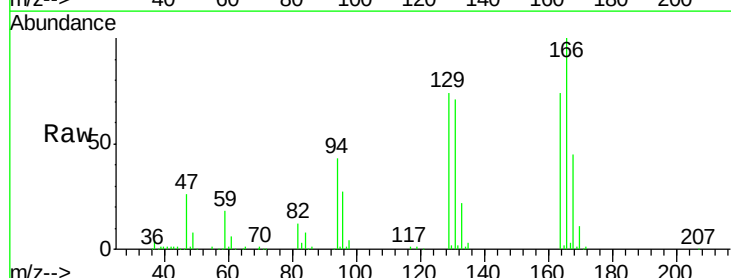
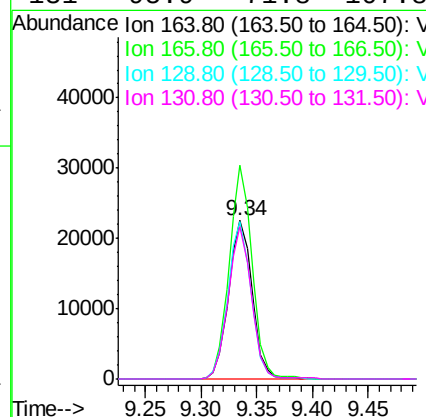
RT: 9.34 min Scan# 1342

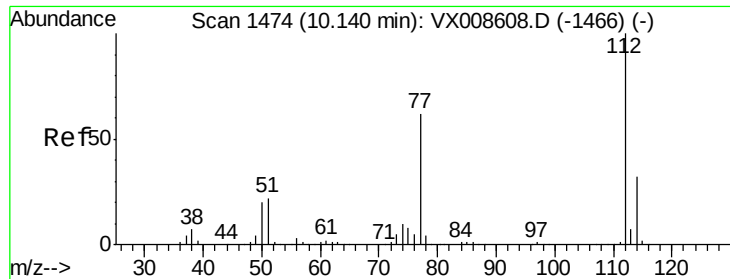
Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion:	164	Resp:	33138
Ion Ratio	Lower	Upper	
164	100		
166	134.8	101.0	151.6
129	99.2	75.8	113.8
131	95.9	71.8	107.8





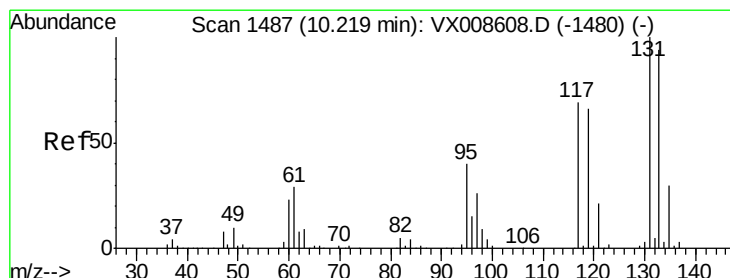
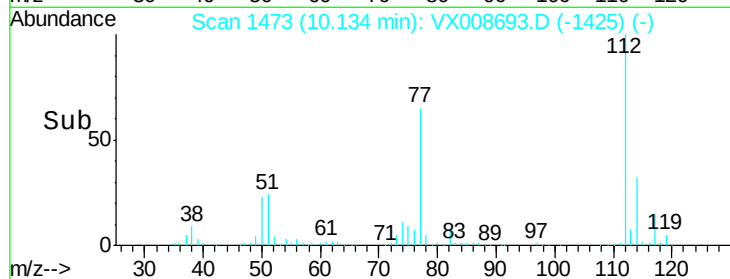
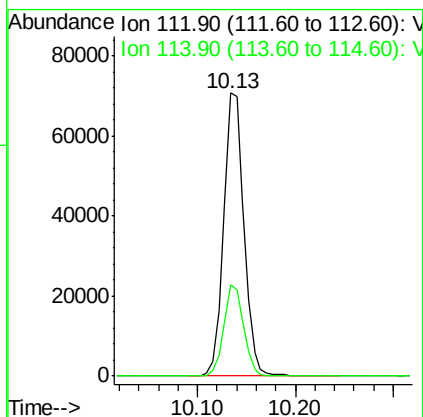
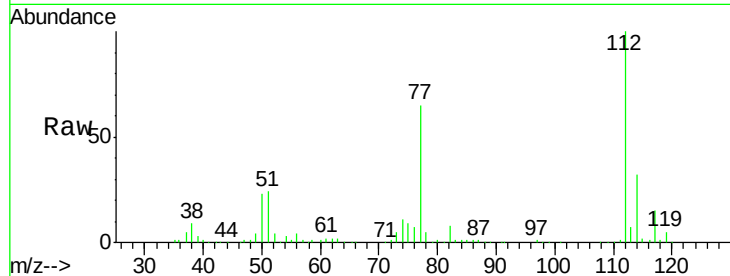
#65
Chlorobenzene
Concen: 17.431 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion:112 Resp: 101736
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

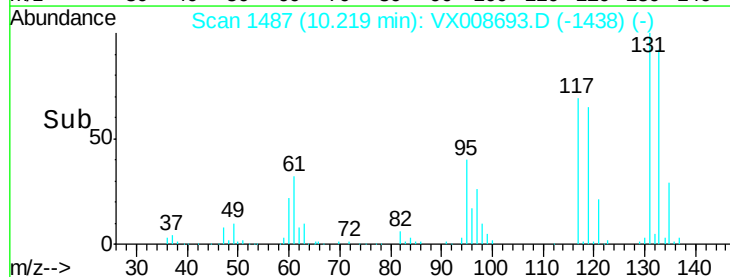
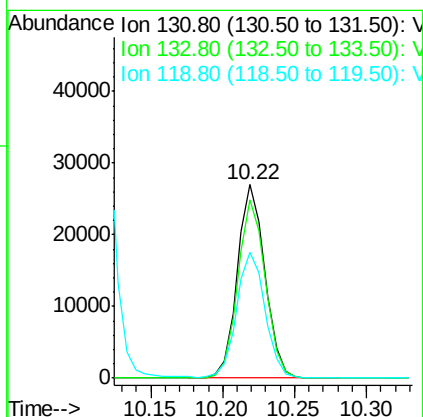
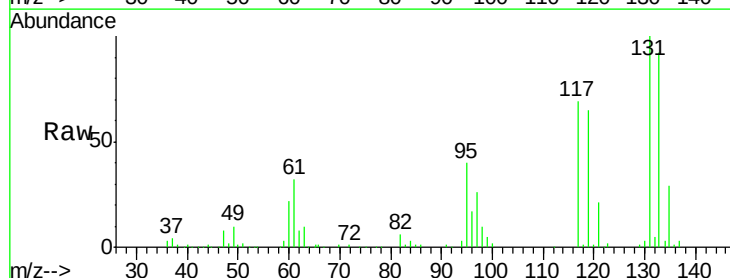
Manual Integrations
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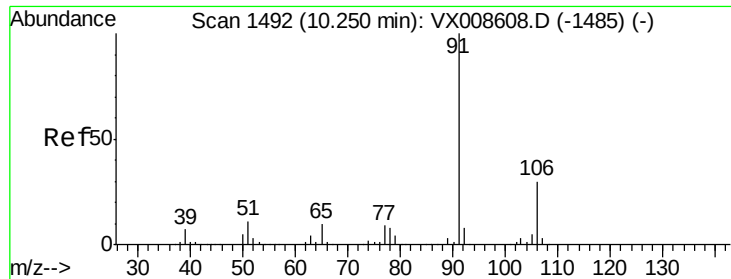
MMDadoda
4/8/2019 9:50:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.556 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion:131 Resp: 35948
Ion Ratio Lower Upper
131 100
133 91.9 47.0 141.2
119 67.1 33.7 101.0





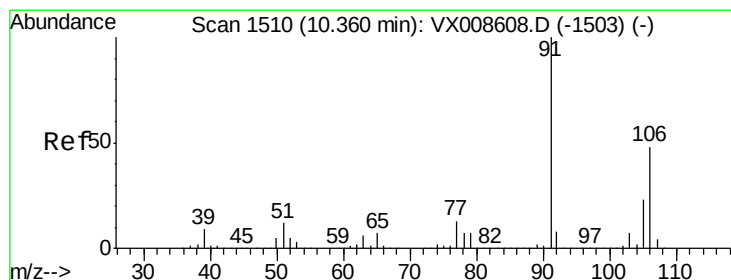
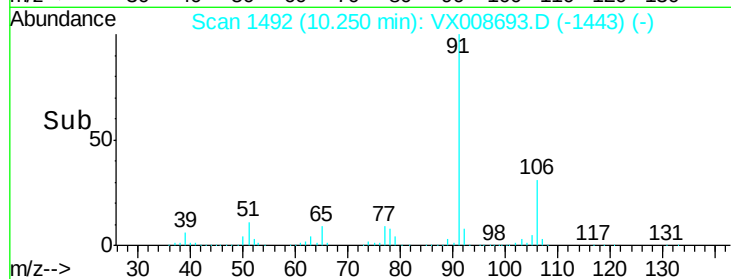
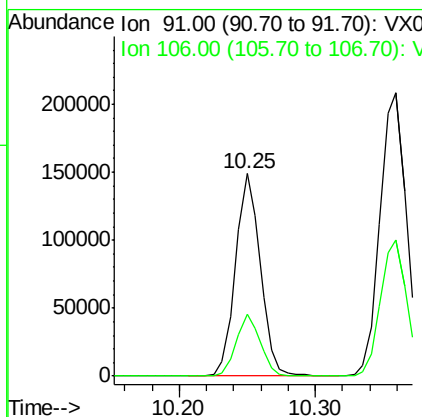
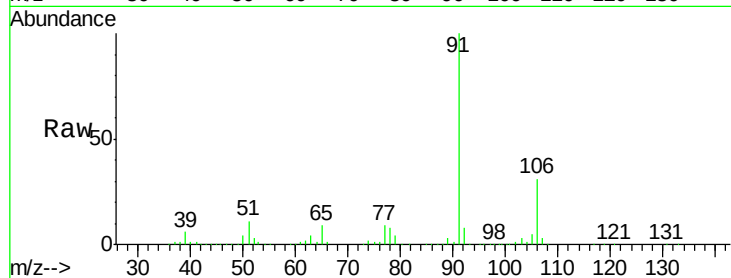
#67
Ethyl Benzene
Concen: 17.443 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion: 91 Resp: 189837
Ion Ratio Lower Upper
91 100
106 30.7 23.7 35.5

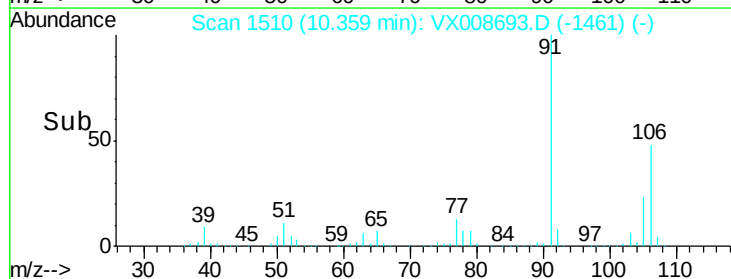
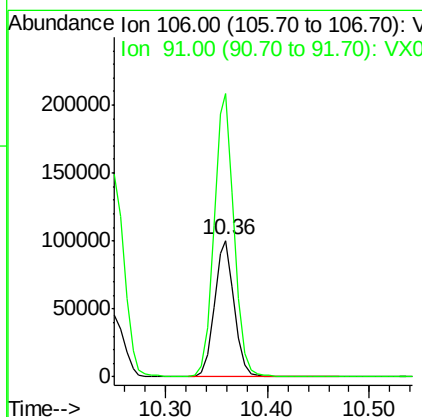
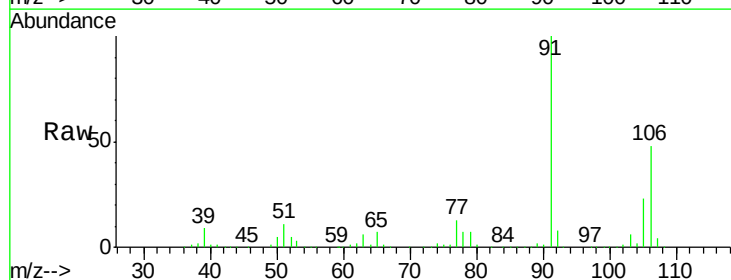
Manual Integrations
APPROVED

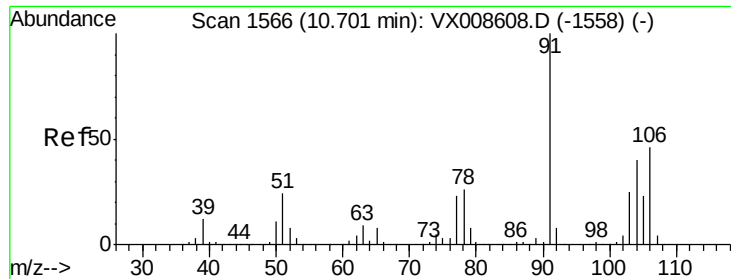
MMDadoda
4/8/2019 9:50:13 AM



#68
m/p-Xylenes
Concen: 34.855 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 106 Resp: 136393
Ion Ratio Lower Upper
106 100
91 209.6 168.5 252.7





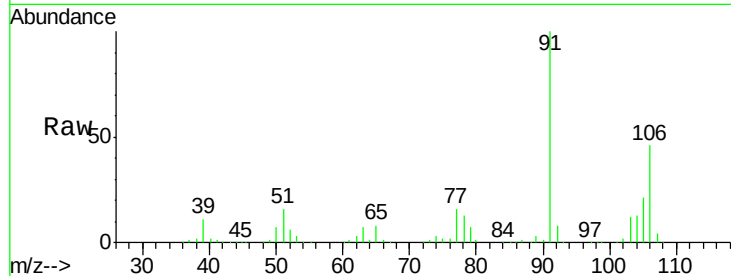
#69
o-Xylene
Concen: 17.807 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

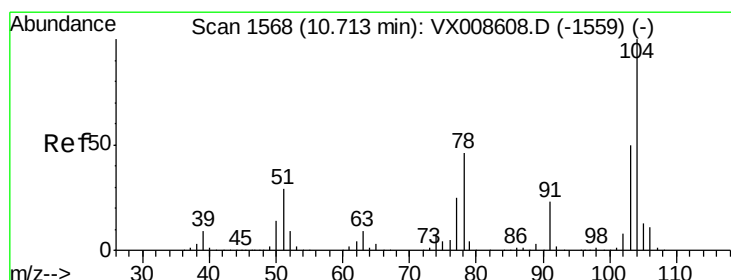
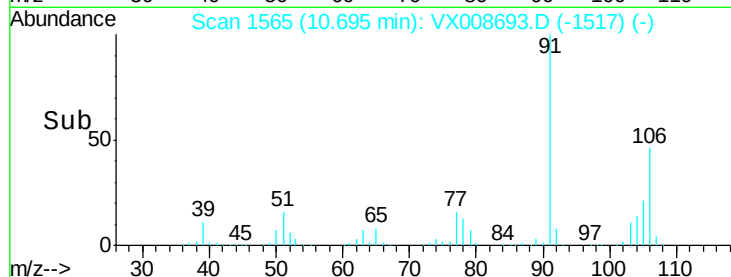
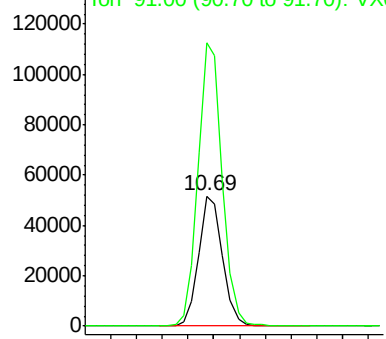
Tgt Ion:106 Resp: 67528
Ion Ratio Lower Upper
106 100
91 220.1 111.5 334.4

Manual Integrations
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MMDadoda
4/8/2019 9:50:13 AM

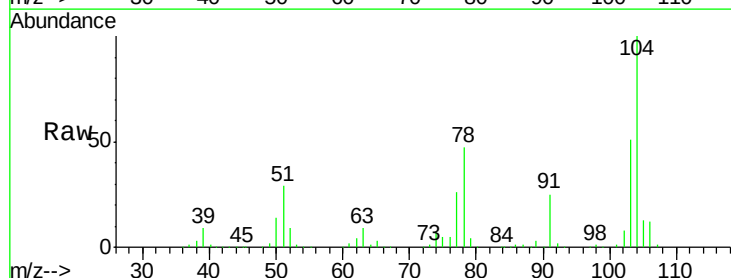


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

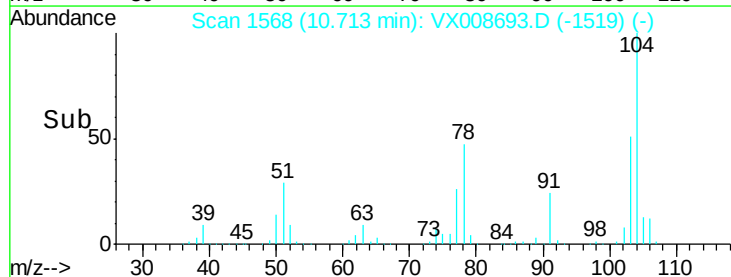
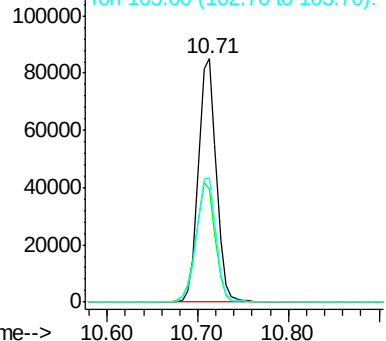


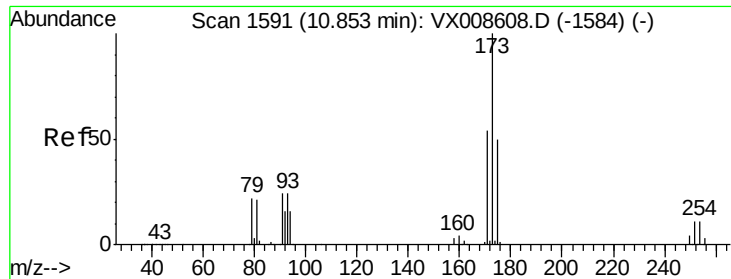
#70
Styrene
Concen: 17.822 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion:104 Resp: 116503
Ion Ratio Lower Upper
104 100
78 53.1 42.3 63.5
103 55.7 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





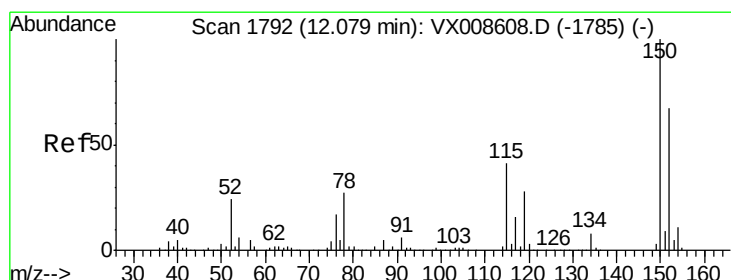
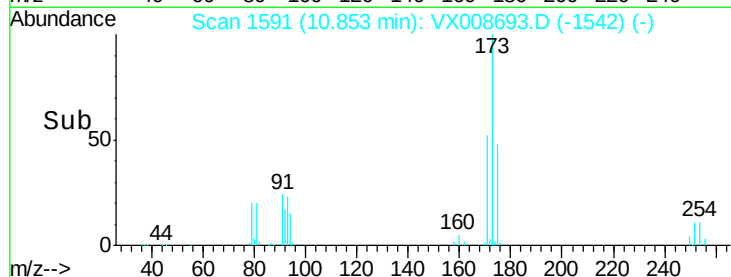
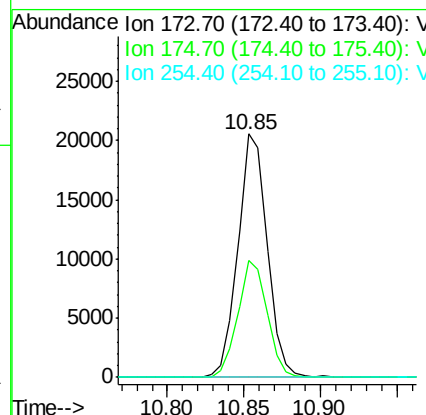
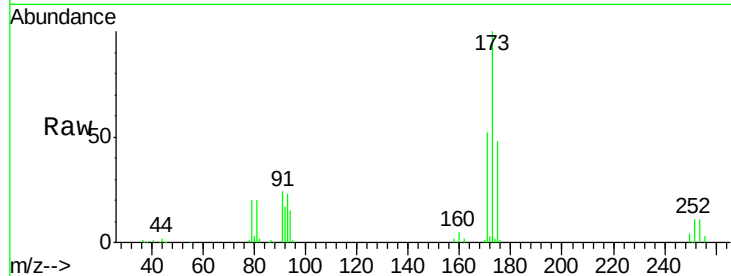
#71
Bromoform
Concen: 17.392 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.9	74.6
254	0.0	0.1	0.1#

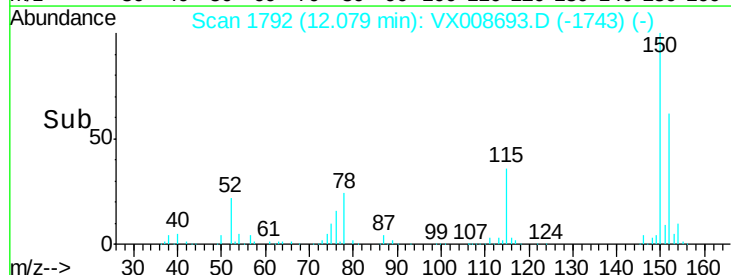
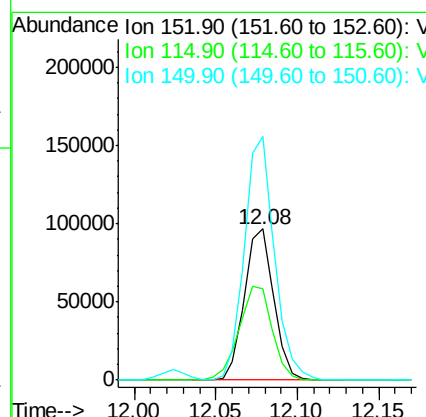
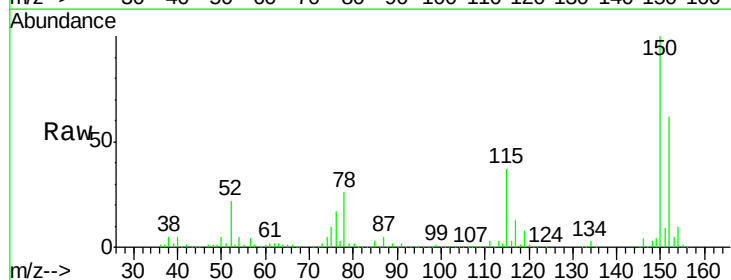
Manual Integrations
APPROVED

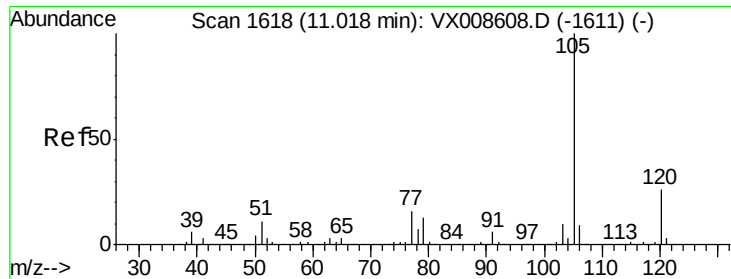
MMDadoda
4/8/2019 9:50:13 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.7	43.5	130.5
150	164.4	0.0	348.8





#73

Isopropylbenzene

Concen: 17.692 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion: 105 Resp: 178254

Ion Ratio Lower Upper

105 100

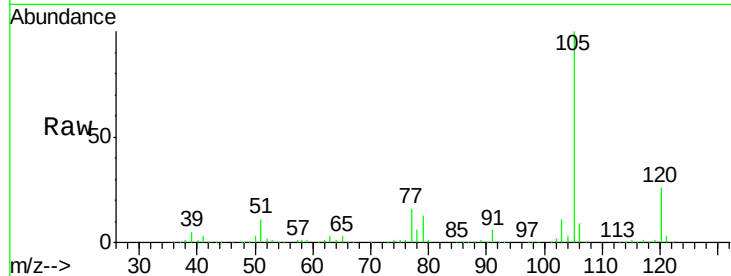
120 25.7 12.9 38.6

Manual Integrations

APPROVED

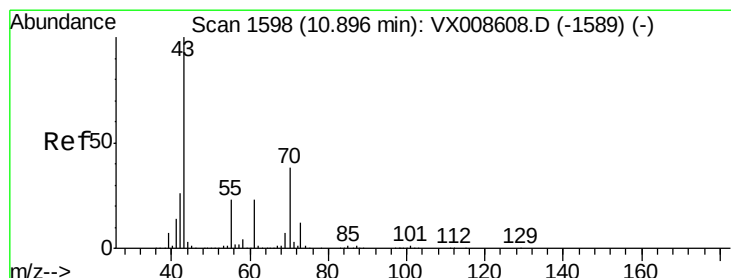
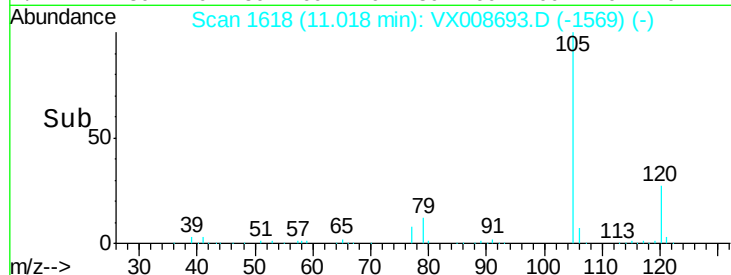
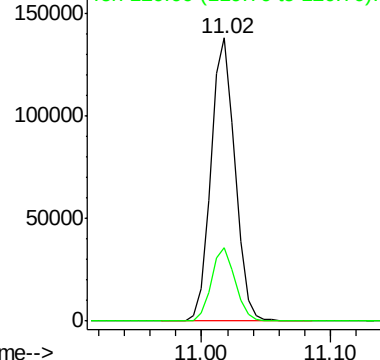
MMDadoda

4/8/2019 9:50:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.499 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion: 43 Resp: 103730

Ion Ratio Lower Upper

43 100

70 38.1 30.2 45.4

55 23.5 18.2 27.4

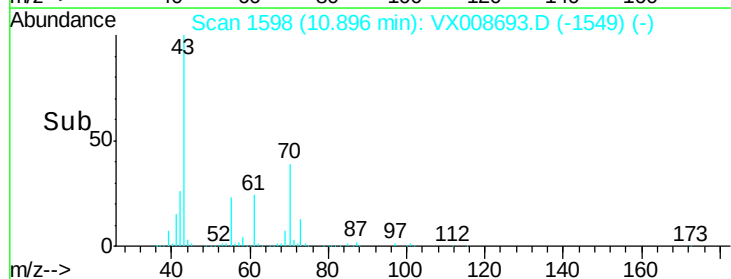
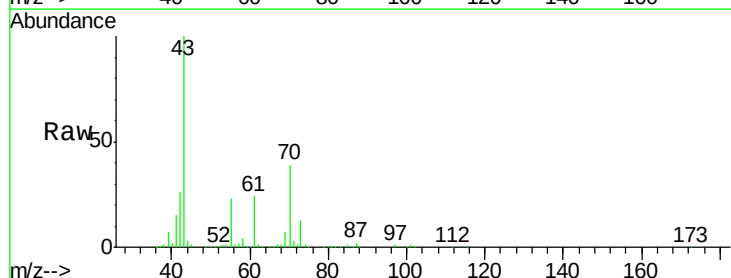
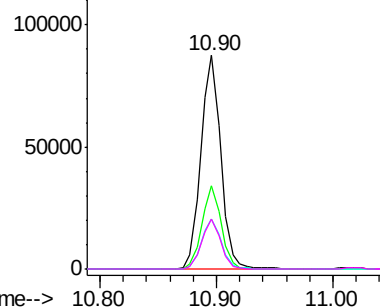
61 22.9 18.6 28.0

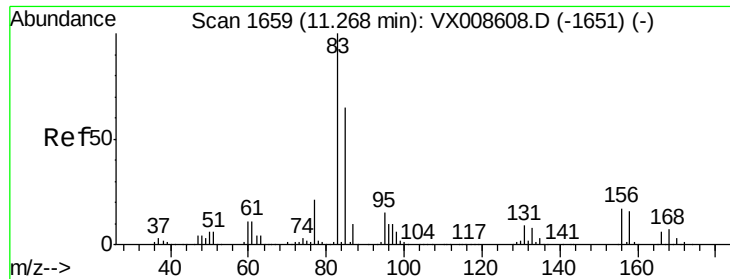
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





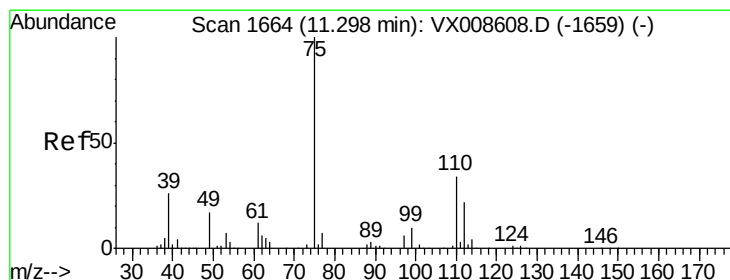
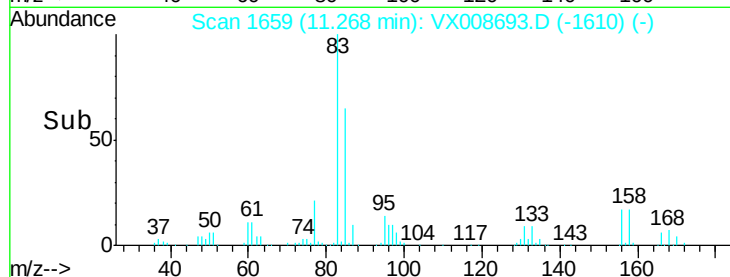
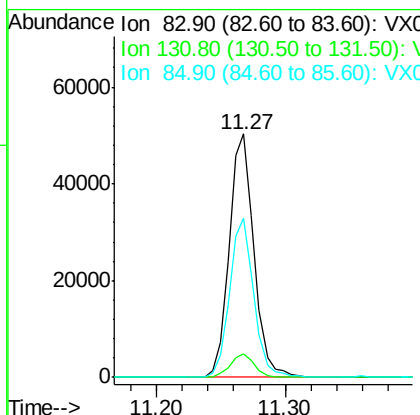
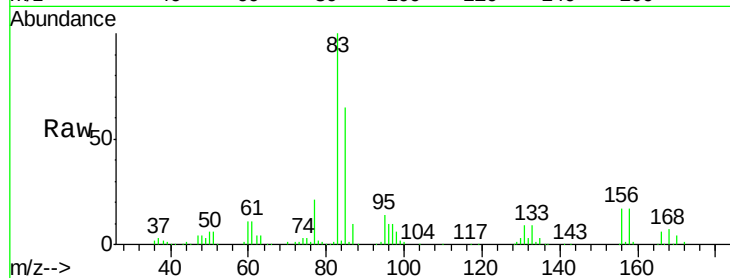
#75
 1,1,2,2-Tetrachloroethane
 Concen: 17.629 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.7
85	64.1	32.0	96.2

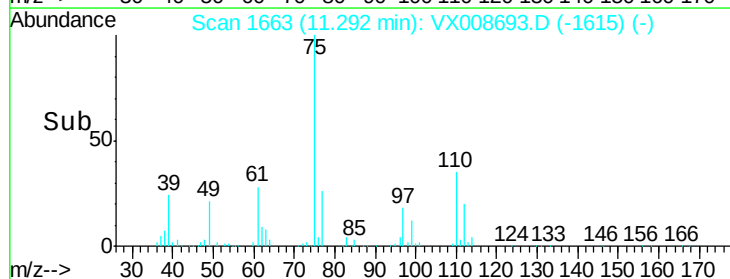
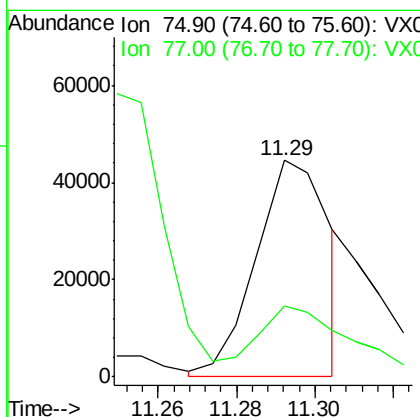
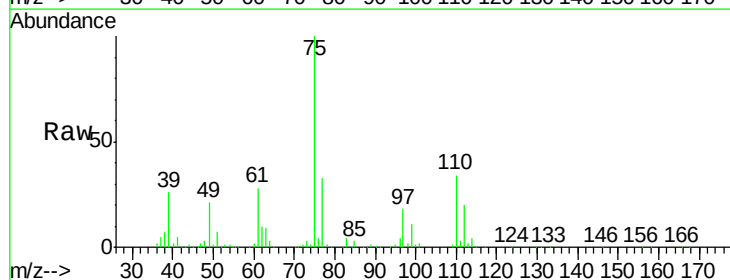
Manual Integrations
 APPROVED

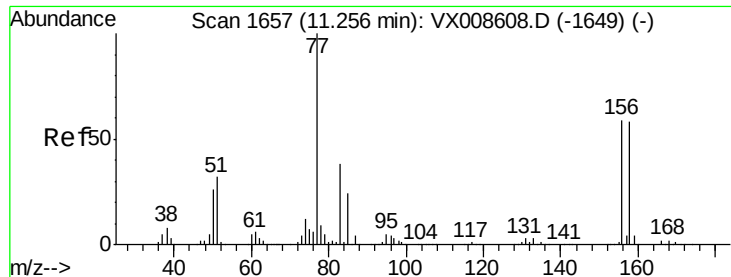
MMDadoda
 4/8/2019 9:50:13 AM



#76
 1,2,3-Trichloropropane
 Concen: 17.274 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	42.5	22.3	66.8





#77

Bromobenzene

Concen: 17.585 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

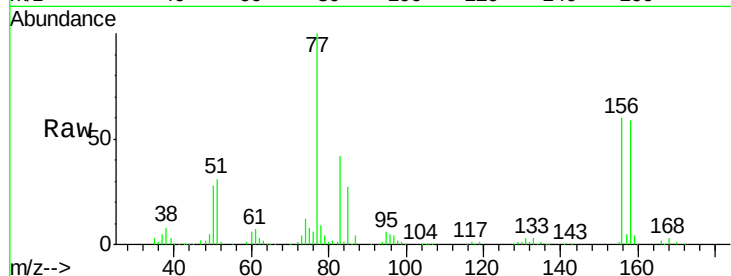
ClientSampleId :

VX0405WBSD02

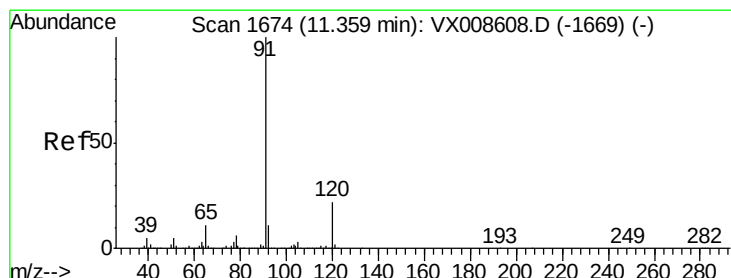
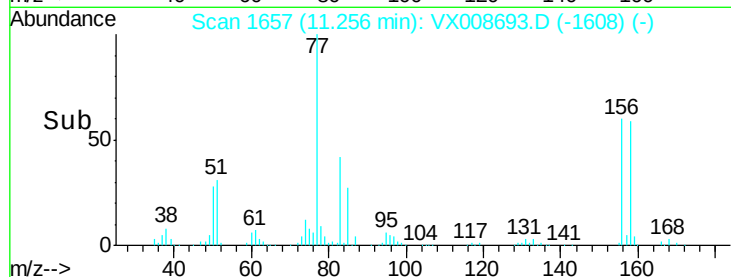
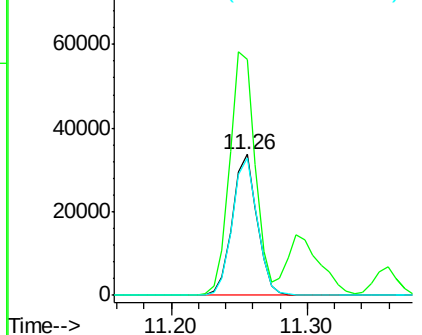
Tgt Ion:	156	Resp:	42594
Ion	Ratio	Lower	Upper
156	100		
77	178.3	89.8	269.6
158	98.8	48.6	145.9

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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: 17.381 ug/l

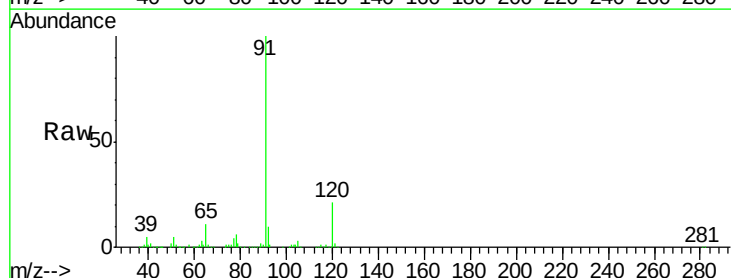
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

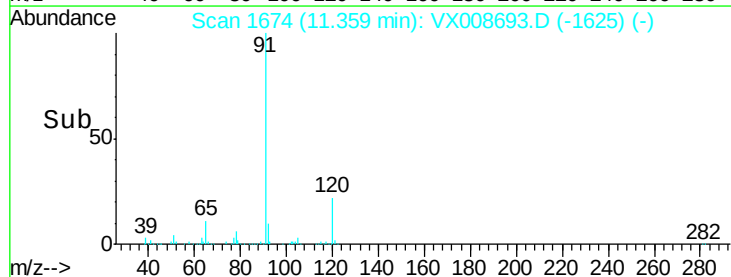
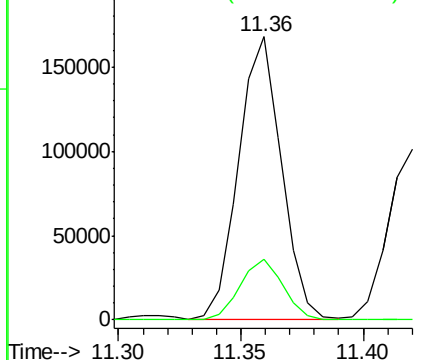
Lab File: VX008693.D

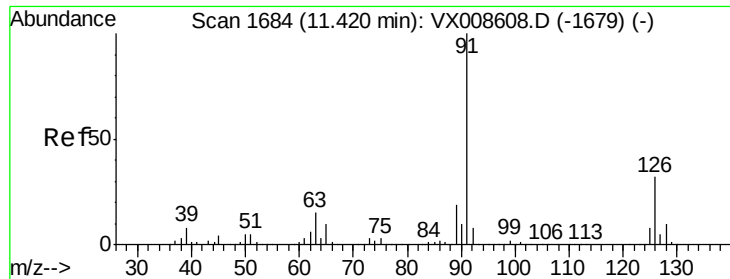
Acq: 05 Apr 2019 19:43

Tgt Ion:	91	Resp:	203902
Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.516 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampled :

VX0405WBSD02

Tgt Ion: 91 Resp: 124352

Ion Ratio Lower Upper

91 100

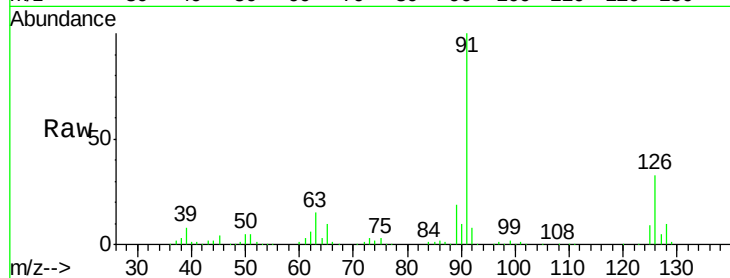
126 32.1 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX008608.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008608.D (-1679) (-)

200000

150000

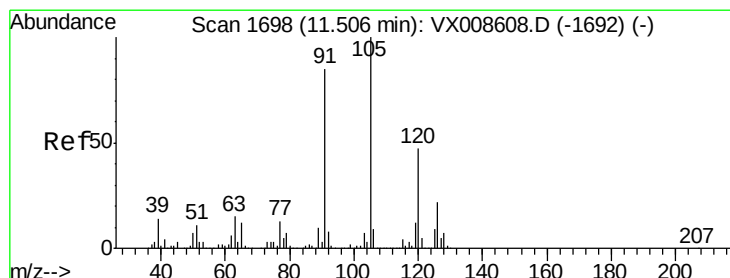
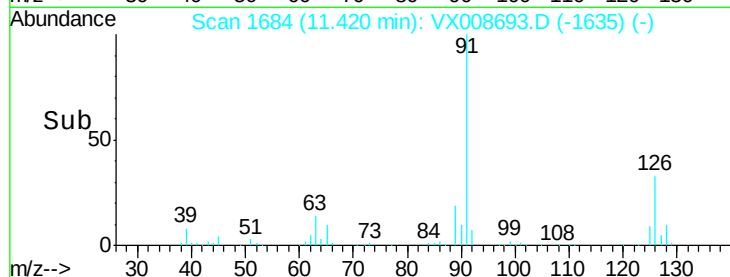
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.784 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008693.D

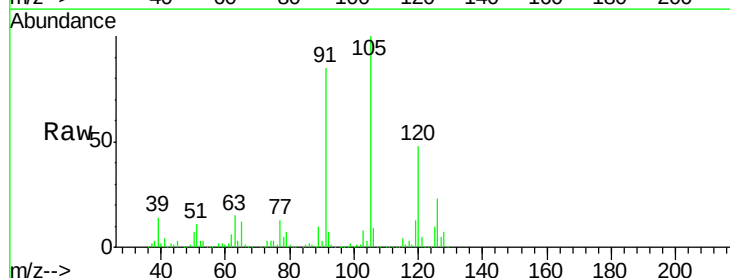
Acq: 05 Apr 2019 19:43

Tgt Ion: 105 Resp: 150408

Ion Ratio Lower Upper

105 100

120 46.8 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008608.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008608.D (-1692) (-)

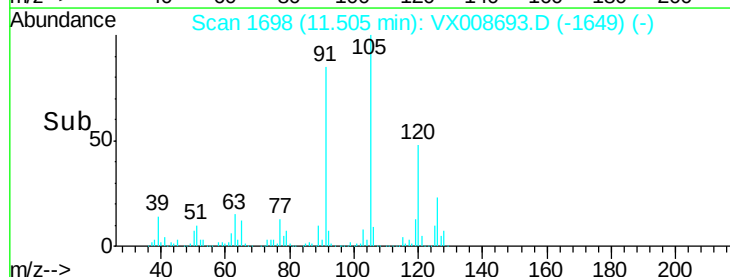
100000

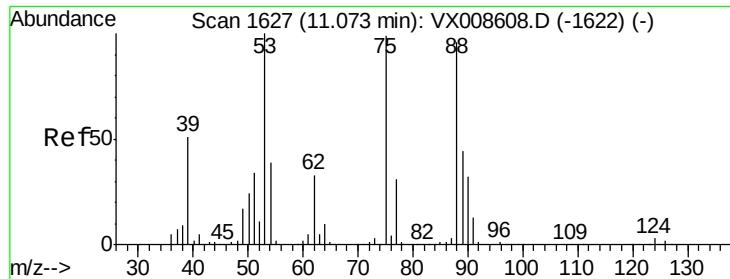
50000

0

11.50 11.60

Time-->





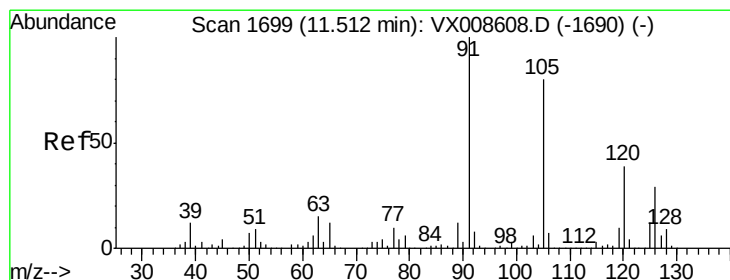
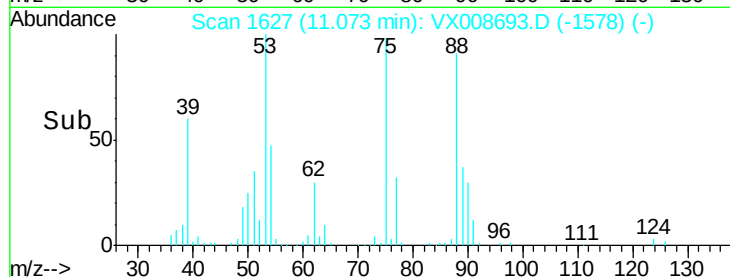
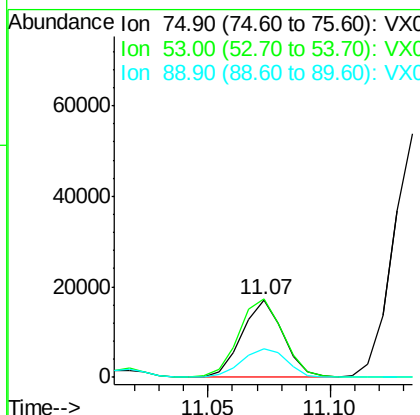
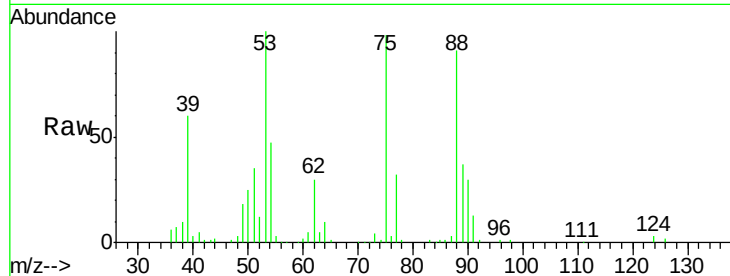
#81
trans-1,4-Dichloro-2-butene
Concen: 16.457 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampled :
VX0405WBSD02

Tgt Ion: 75 Resp: 19940
Ion Ratio Lower Upper
75 100
53 109.7 81.3 121.9
89 41.2 35.6 53.4

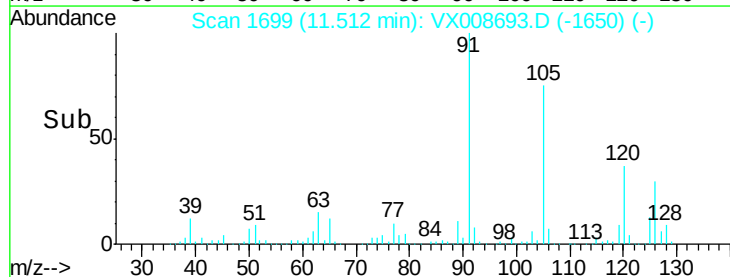
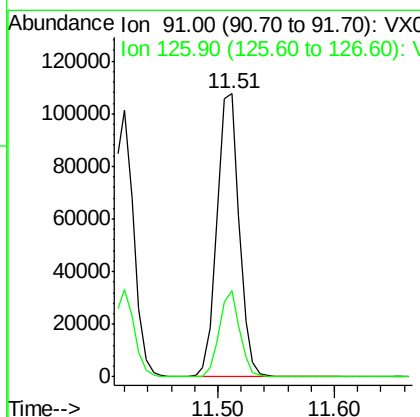
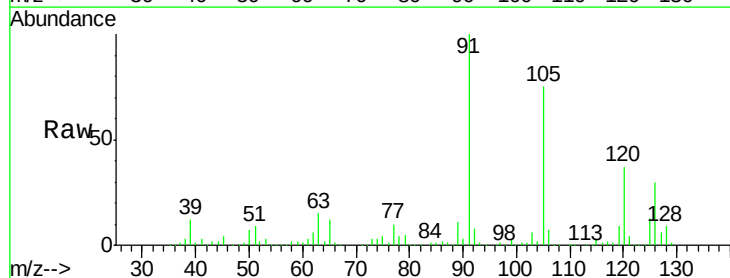
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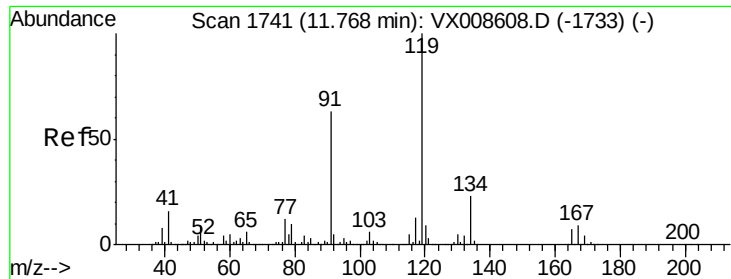
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#82
4-Chlorotoluene
Concen: 17.061 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 91 Resp: 140201
Ion Ratio Lower Upper
91 100
126 28.3 13.9 41.6





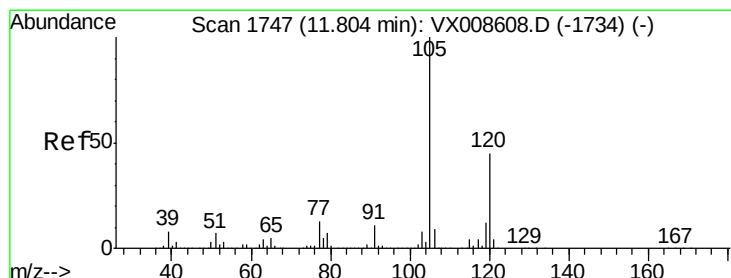
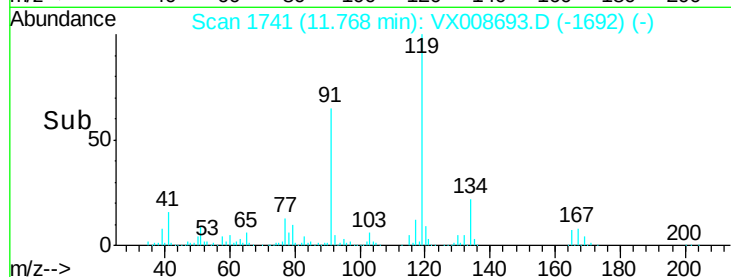
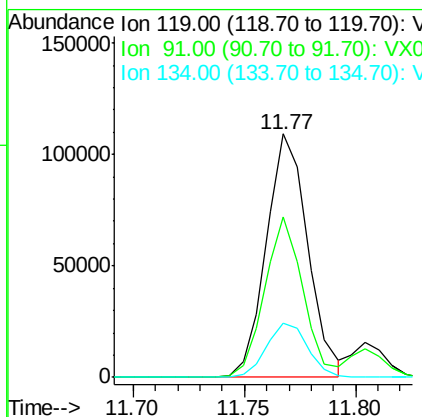
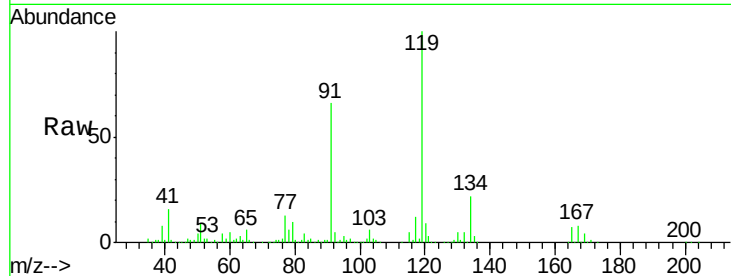
#83
 tert-Butylbenzene
 Concen: 17.386 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	141466		
91	61.2	30.0	90.1	
134	22.4	11.1	33.3	

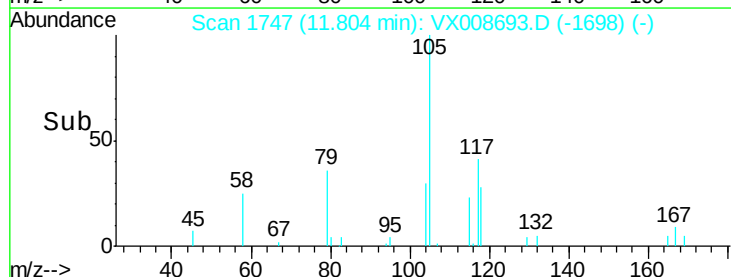
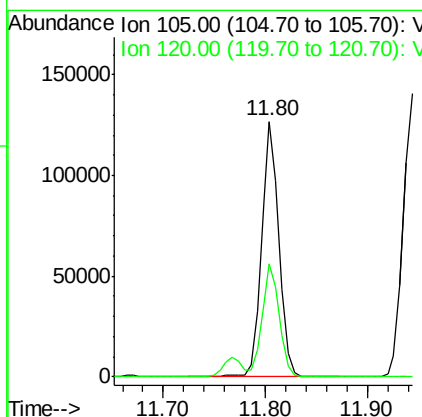
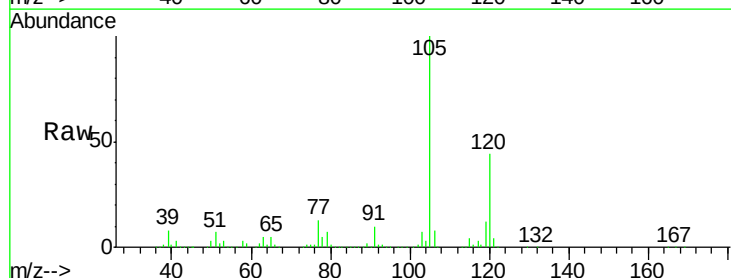
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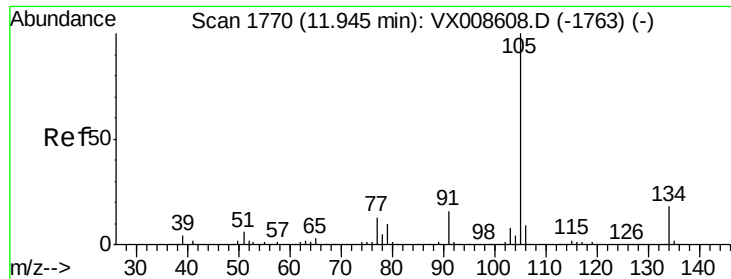
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.628 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	150963		
120	43.0	21.8	65.3	





#85

sec-Butylbenzene

Concen: 17.603 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

Tgt Ion:105 Resp: 170135

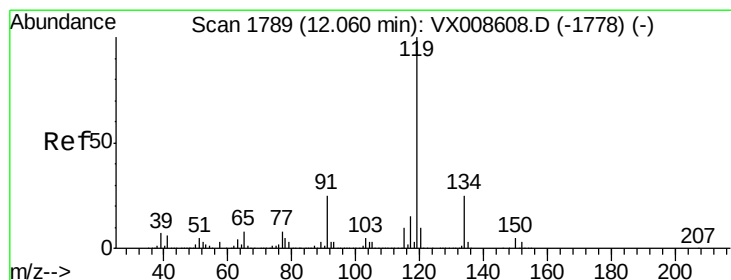
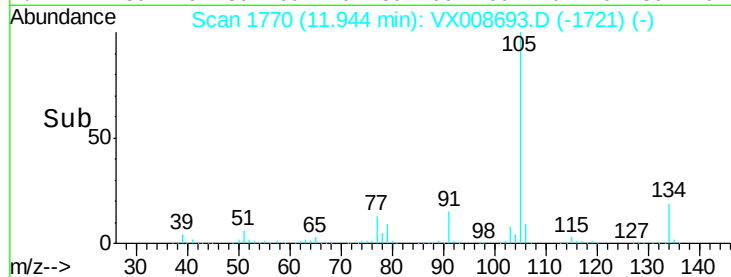
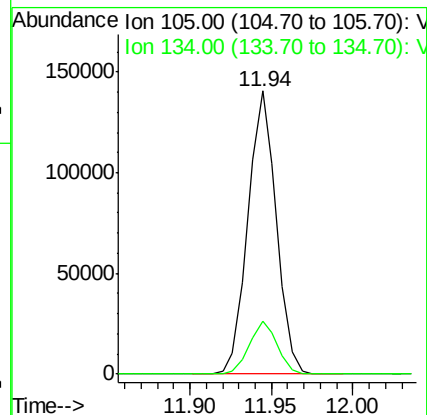
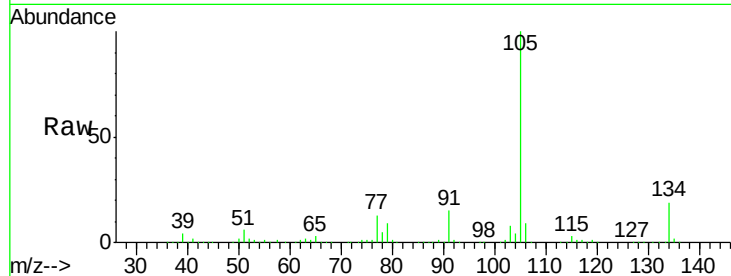
Ion Ratio Lower Upper

105 100

134 18.5 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 17.379 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

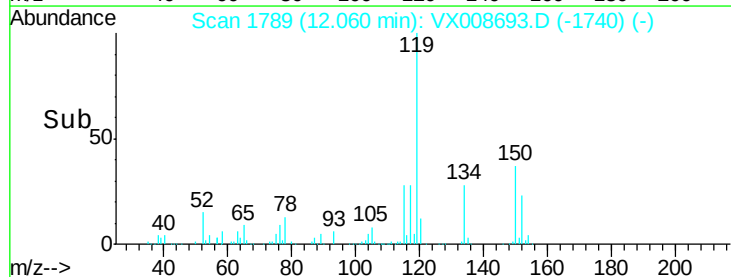
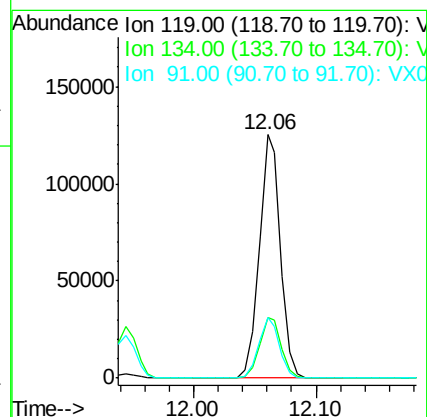
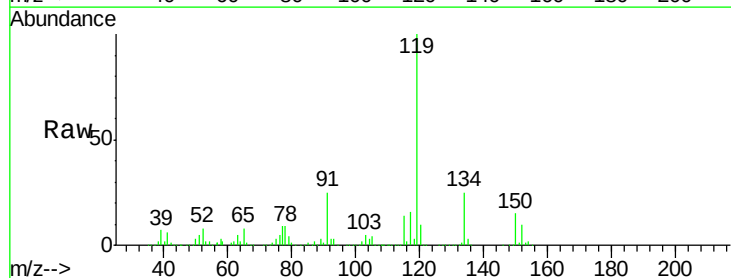
Tgt Ion:119 Resp: 150758

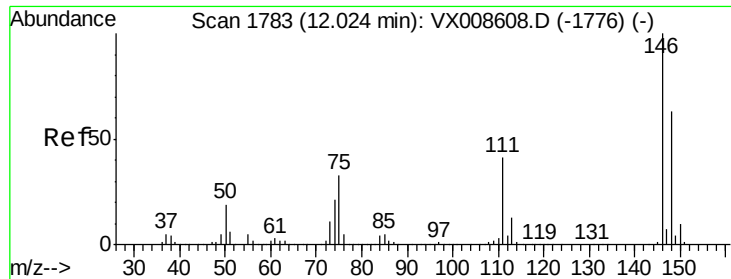
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.6 12.2 36.6





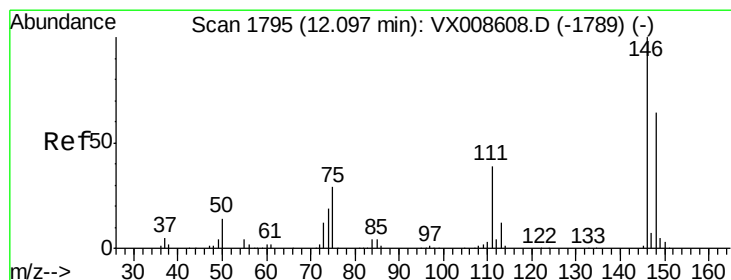
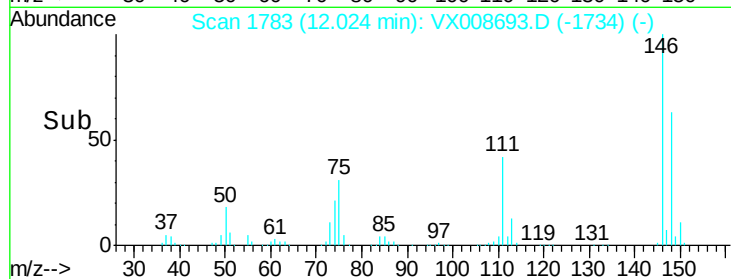
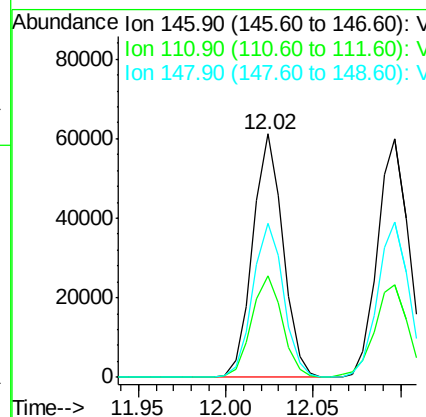
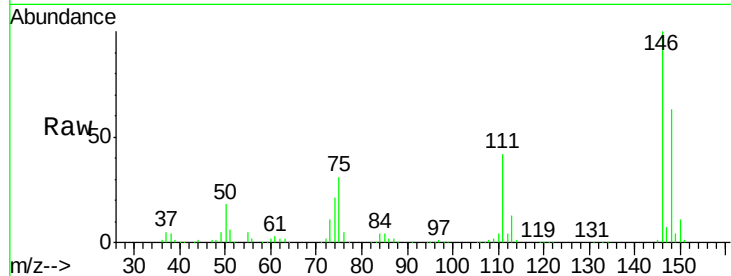
#87
 1,3-Dichlorobenzene
 Concen: 16.984 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.5	61.5
148	64.4	31.6	94.7

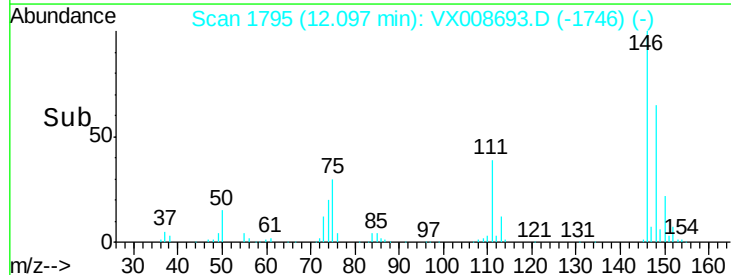
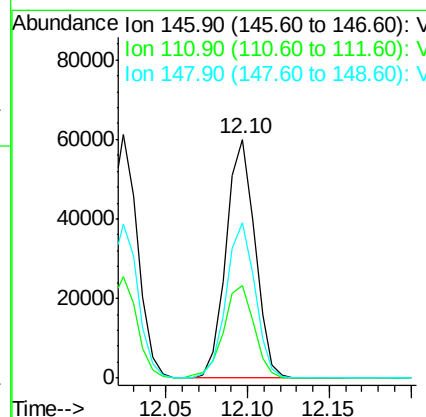
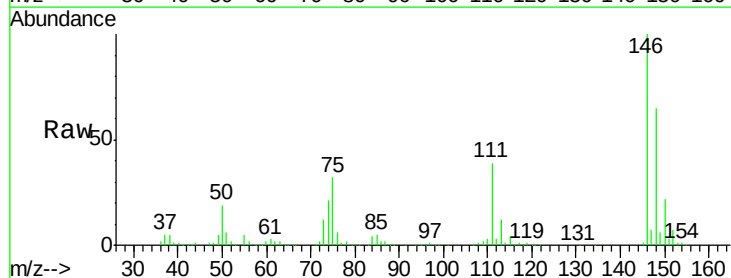
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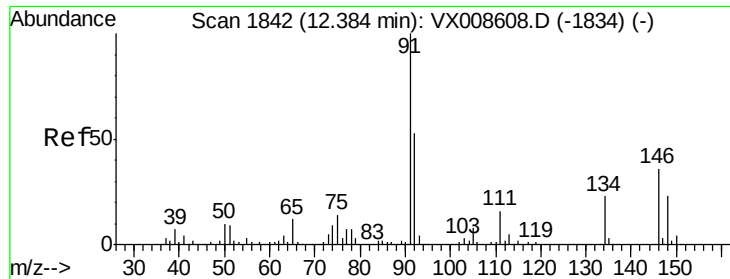
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#88
 1,4-Dichlorobenzene
 Concen: 16.886 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.2	60.6
148	65.1	32.0	96.0





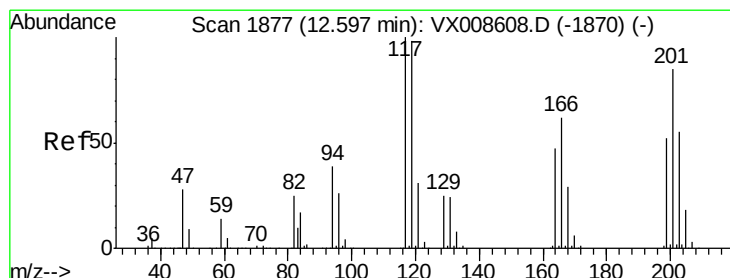
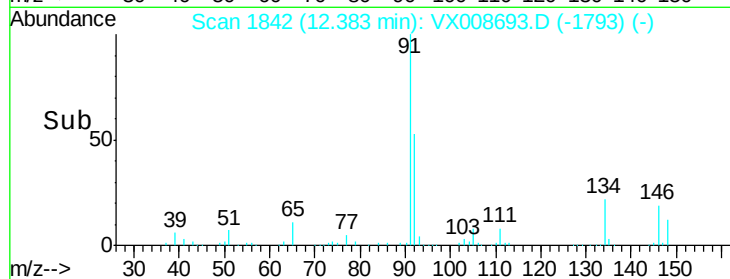
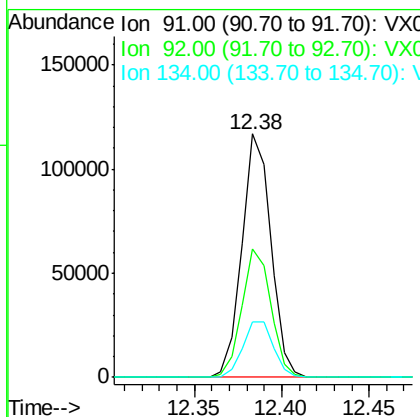
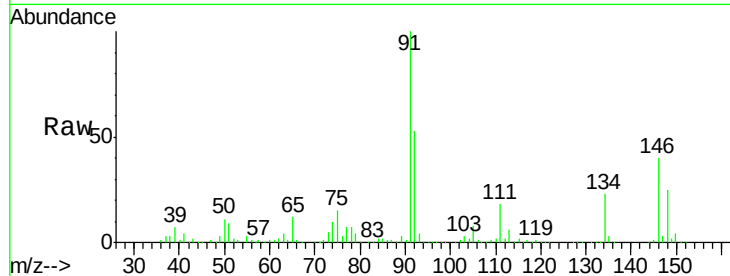
#89
n-Butylbenzene
Concen: 16.637 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	24.2	12.0	36.0

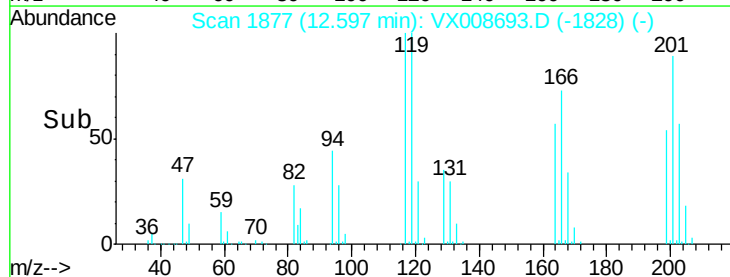
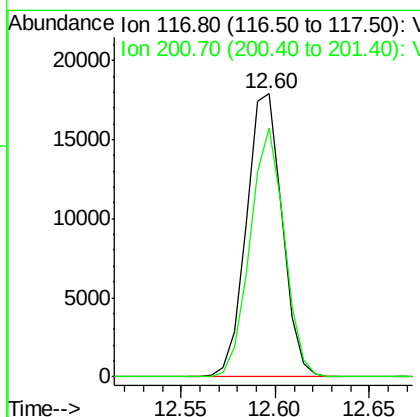
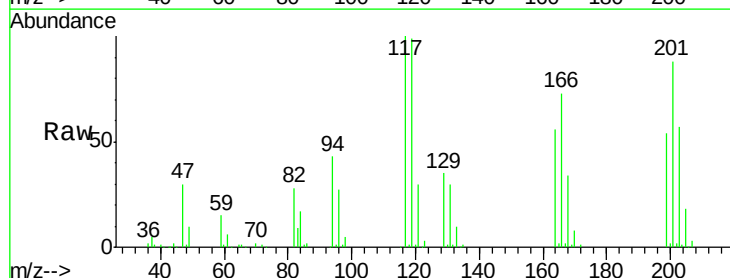
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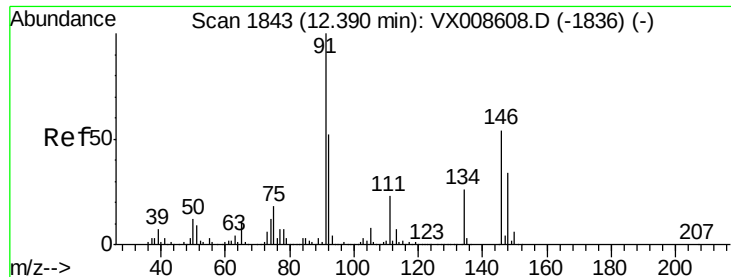
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#90
Hexachloroethane
Concen: 16.345 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	40.6	122.0





#91

1,2-Dichlorobenzene

Concen: 17.727 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

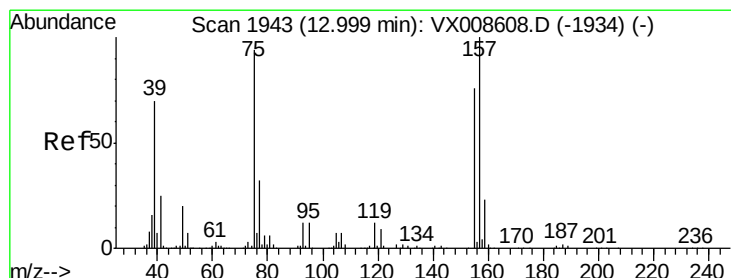
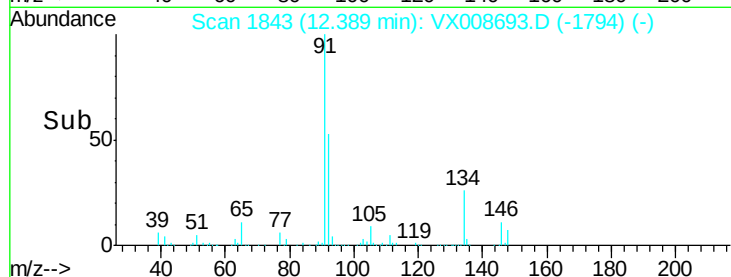
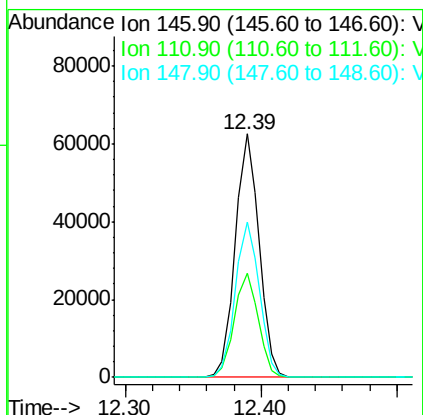
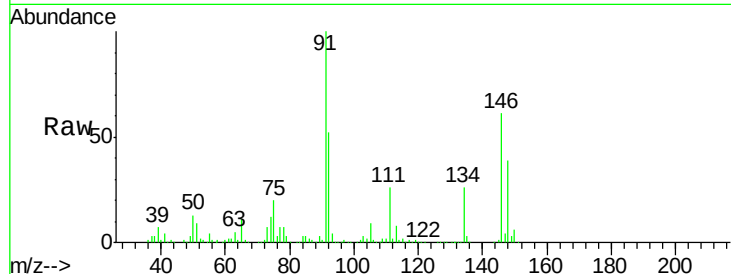
ClientSampleId :

VX0405WBSD02

Tgt Ion:	146	Resp:	76322
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.3	63.9
148	64.4	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.072 ug/l

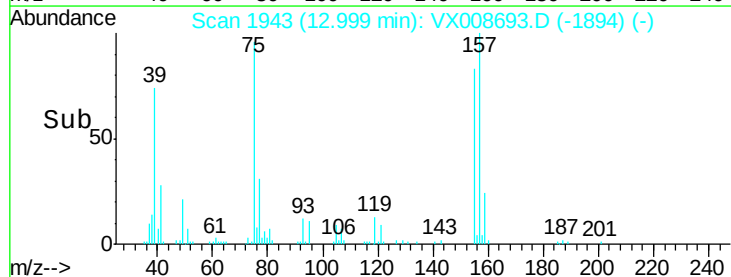
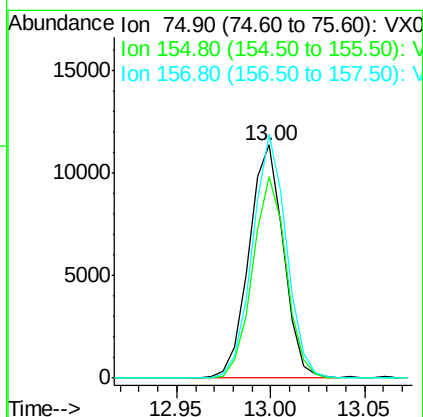
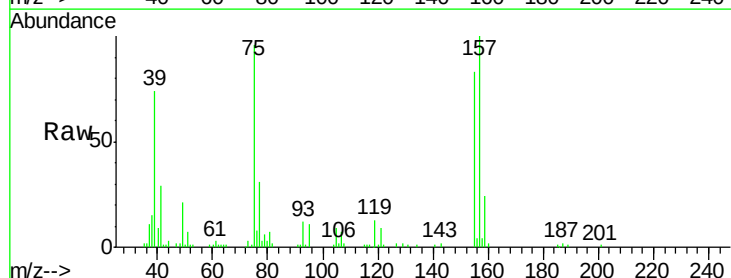
RT: 13.00 min Scan# 1943

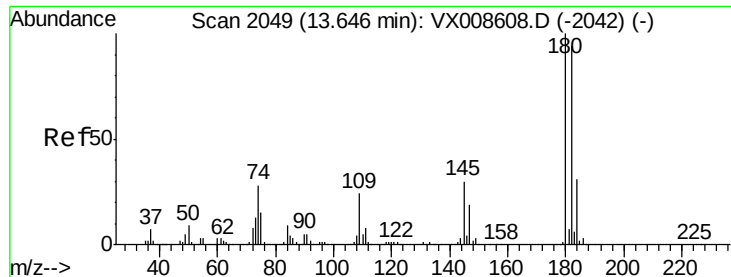
Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion:	75	Resp:	14391
Ion Ratio	Lower	Upper	
75	100		
155	84.0	39.9	119.6
157	102.7	51.5	154.7





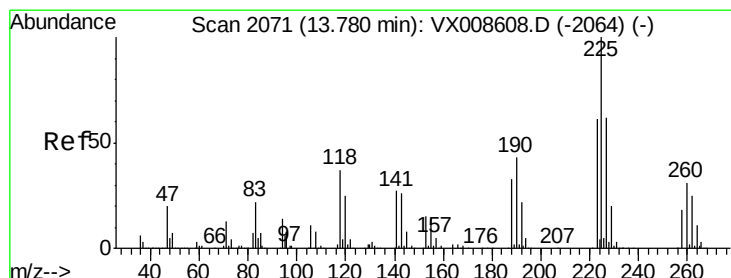
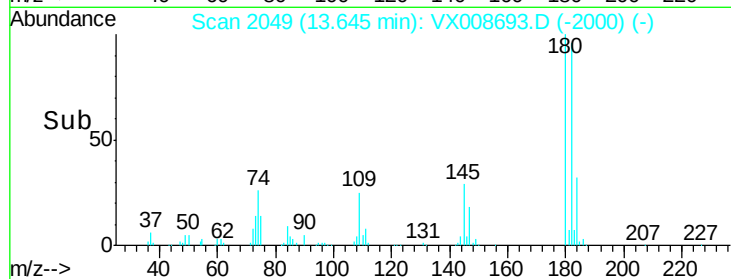
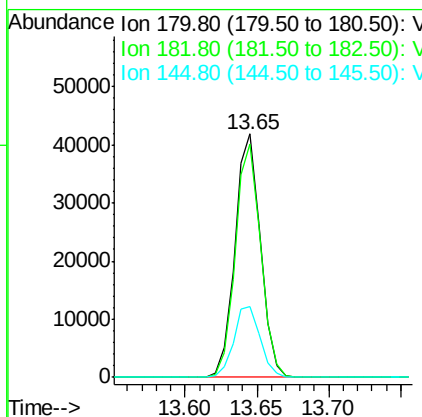
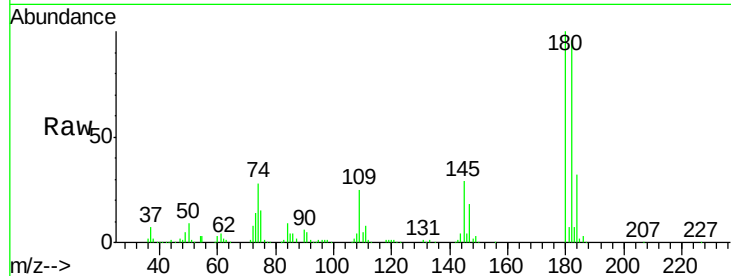
#93
 1,2,4-Trichlorobenzene
 Concen: 17.307 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51807		
182	95.1	47.2	141.6	
145	30.2	15.3	45.9	

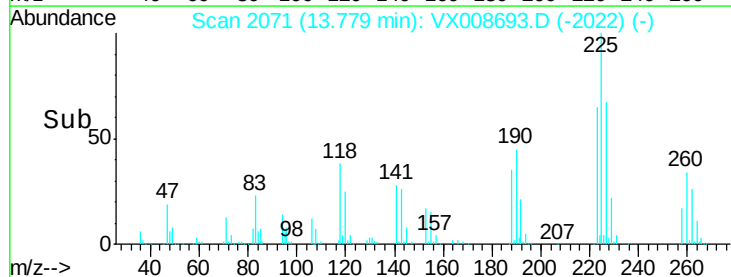
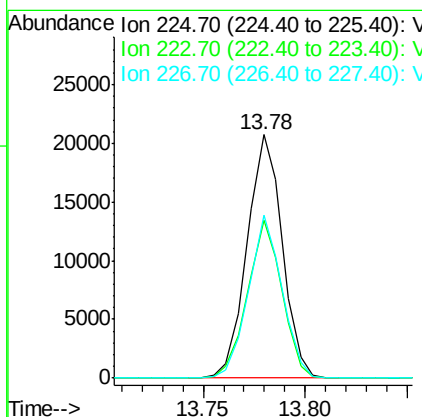
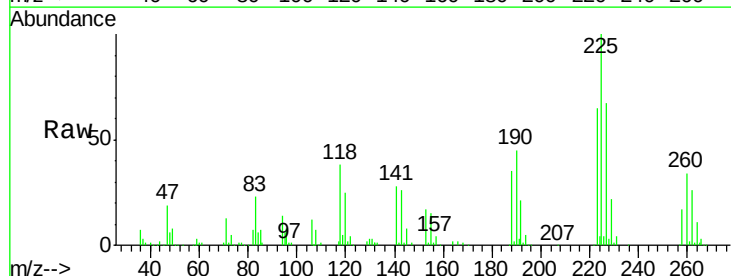
Manual Integrations
 APPROVED

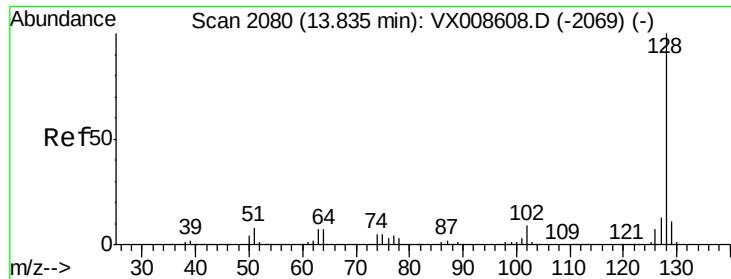
MMDadoda
 4/8/2019 9:50:13 AM



#94
 Hexachlorobutadiene
 Concen: 17.321 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24867		
223	63.5	31.2	93.6	
227	64.1	31.9	95.5	





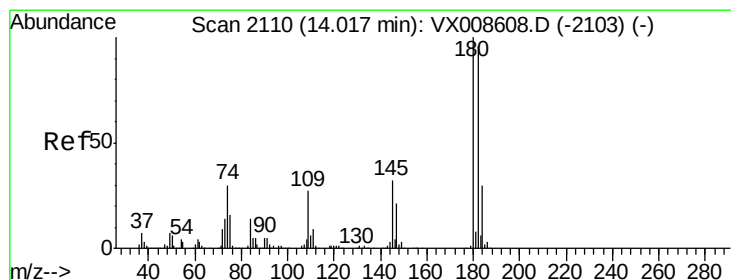
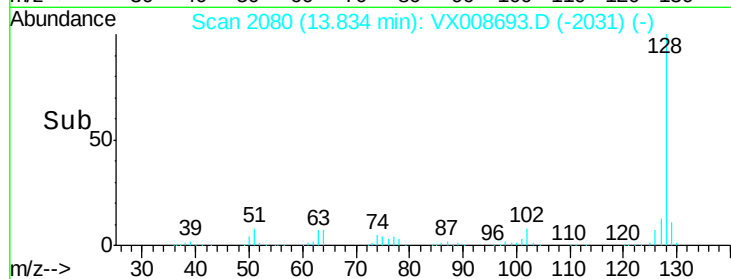
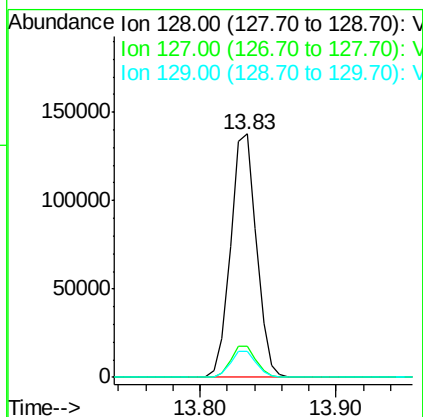
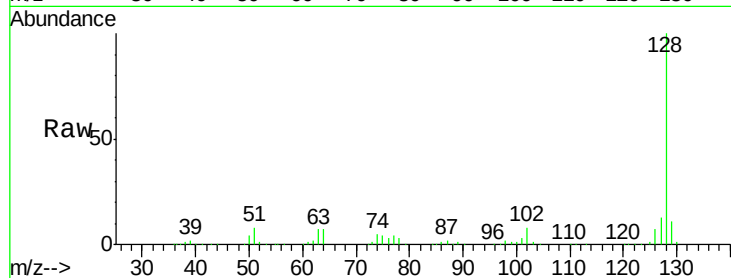
#95
Naphthalene
Concen: 18.132 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	181403		
127	12.9	10.4	15.6	
129	10.7	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
4/8/2019 9:50:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.939 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	53654		
182	94.6	48.1	144.3	
145	30.9	16.3	48.8	

