

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\
 Data File : VX008634.D
 Acq On : 04 Apr 2019 14:34
 Operator : JC/SP
 Sample : VX0404WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 11:11:51 AM

Quant Time: Apr 05 07:47:00 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	5.66	168	184260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310041	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	138435	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	5.50	113	100752	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	8.71	98	406321	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.13	95	144568	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41347	19.494	ug/l	99
3) Chloromethane	1.32	50	59388	21.898	ug/l	99
4) Vinyl Chloride	1.40	62	56725	19.784	ug/l	100
5) Bromomethane	1.64	94	26586	19.999	ug/l	100
6) Chloroethane	1.72	64	40100	24.037	ug/l	100
7) Trichlorofluoromethane	1.93	101	63276	19.964	ug/l	100
8) Diethyl Ether	2.18	74	30256	20.130	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	40673	19.932	ug/l	99
10) Methyl Iodide	2.51	142	33839	20.753	ug/l	99
11) Tert butyl alcohol	3.04	59	66529	105.738	ug/l	99
12) 1,1-Dichloroethene	2.37	96	42489	19.946	ug/l	98
13) Acrolein	2.29	56	25277	81.020	ug/l	100
14) Allyl chloride	2.73	41	96374	19.763	ug/l	99
15) Acrylonitrile	3.14	53	170089	102.044	ug/l	100
16) Acetone	2.44	43	150204	97.035	ug/l	99
17) Carbon Disulfide	2.57	76	124249	19.751	ug/l	99
18) Methyl Acetate	2.77	43	73697	19.630	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	156954	20.632	ug/l	99
20) Methylene Chloride	2.85	84	50664	19.553	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	44645	19.376	ug/l	93
22) Diisopropyl ether	3.85	45	194408	20.684	ug/l	92
23) Vinyl Acetate	3.81	43	853204	104.346	ug/l	99
24) 1,1-Dichloroethane	3.70	63	95905	20.609	ug/l	99
25) 2-Butanone	4.67	43	250854	102.533	ug/l	99
26) 2,2-Dichloropropane	4.59	77	61250	18.687	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	51852	19.573	ug/l	99
28) Bromochloromethane	5.01	49	44248	21.007	ug/l	98
29) Tetrahydrofuran	5.13	42	166020	102.239	ug/l	100
30) Chloroform	5.21	83	85032	20.458	ug/l	97
31) Cyclohexane	5.58	56	91344	19.671	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	67999	20.245	ug/l	100
36) 1,1-Dichloropropene	5.80	75	66169	19.524	ug/l	100
37) Ethyl Acetate	4.83	43	93163	20.595	ug/l	99
38) Carbon Tetrachloride	5.79	117	55630	19.832	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80024	19.114	ug/l	97
40) Benzene	6.14	78	204444	20.249	ug/l	98
41) Methacrylonitrile	5.04	41	53183	20.453	ug/l	99
42) 1,2-Dichloroethane	6.19	62	72963	20.158	ug/l	100
43) Isopropyl Acetate	6.45	43	144152	20.342	ug/l	100
44) Trichloroethene	7.21	130	45903	19.521	ug/l	96
45) 1,2-Dichloropropane	7.51	63	57351	19.901	ug/l	99
46) Dibromomethane	7.66	93	33316	19.933	ug/l	98
47) Bromodichloromethane	7.90	83	63663	20.202	ug/l	99
48) Methyl methacrylate	7.77	41	72718	20.286	ug/l	100
49) 1,4-Dioxane	7.74	88	29167	434.353	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	486027	106.544	ug/l	100
52) Toluene	8.79	92	120231	20.199	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	69760	19.762	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	79901	19.809	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	49816	20.849	ug/l	99
56) Ethyl methacrylate	9.18	69	90578	20.952	ug/l	99
57) 1,3-Dichloropropane	9.37	76	88755	20.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	225860	102.318	ug/l	100
59) 2-Hexanone	9.49	43	375173	105.827	ug/l	100
60) Dibromochloromethane	9.58	129	45262	20.103	ug/l	98
61) 1,2-Dibromoethane	9.67	107	50329	20.234	ug/l	100
64) Tetrachloroethene	9.34	164	40023	19.537	ug/l	99
65) Chlorobenzene	10.13	112	121869	19.884	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	42638	19.830	ug/l	99
67) Ethyl Benzene	10.25	91	228572	20.000	ug/l	98
68) m/p-Xylenes	10.36	106	164149	39.946	ug/l	100
69) o-Xylene	10.69	106	81175	20.384	ug/l	99
70) Styrene	10.71	104	139995	20.394	ug/l	100
71) Bromoform	10.85	173	32704	19.915	ug/l #	98
73) Isopropylbenzene	11.02	105	213469	20.504	ug/l	100
74) N-amyl acetate	10.90	43	125476	20.485	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	82528	20.843	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	70987m	20.570	ug/l	
77) Bromobenzene	11.26	156	50786	20.292	ug/l	100
78) n-propylbenzene	11.36	91	243828	20.114	ug/l	100
79) 2-Chlorotoluene	11.42	91	148905	20.298	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	180177	20.617	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	23613	18.861	ug/l	90
82) 4-Chlorotoluene	11.51	91	168440	19.837	ug/l	99
83) tert-Butylbenzene	11.77	119	169199	20.124	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	181124	20.469	ug/l	99
85) sec-Butylbenzene	11.94	105	202522	20.279	ug/l	100
86) p-Isopropyltoluene	12.06	119	183356	20.456	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	89523	19.980	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	88344	19.472	ug/l	99
89) n-Butylbenzene	12.38	91	166024	19.750	ug/l	99
90) Hexachloroethane	12.59	117	29384	19.765	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	89881	20.204	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17729	20.355	ug/l	97

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ClientSampleId :
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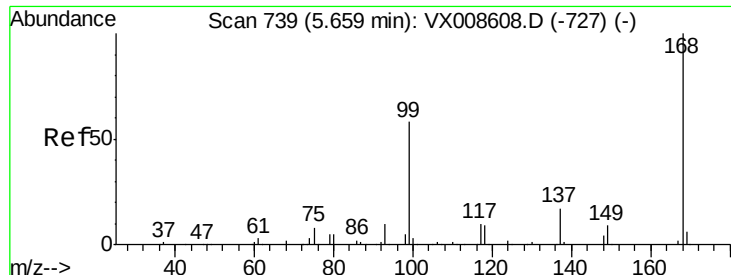
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	60865	19.678	ug/l	99
94) Hexachlorobutadiene	13.78	225	29851	20.123	ug/l	98
95) Naphthalene	13.83	128	210313	20.344	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	61936	20.041	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD01

Tot Ion:168 Resp: 184260

Ion Ratio Lower Upper

168 100

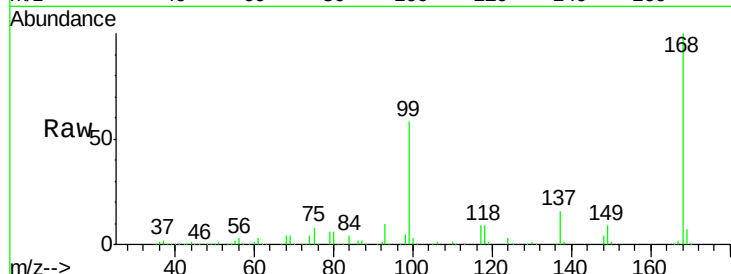
99 57.4 46.7 70.1

Manual Integrations

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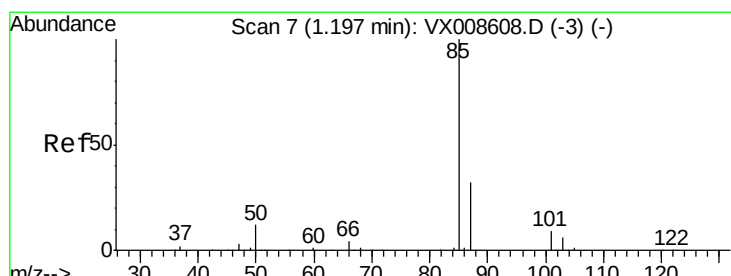
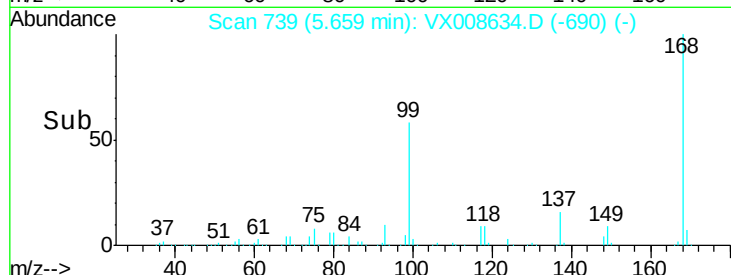
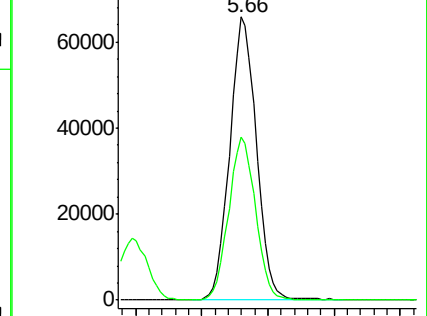
MMDadoda

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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: 19.494 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008634.D

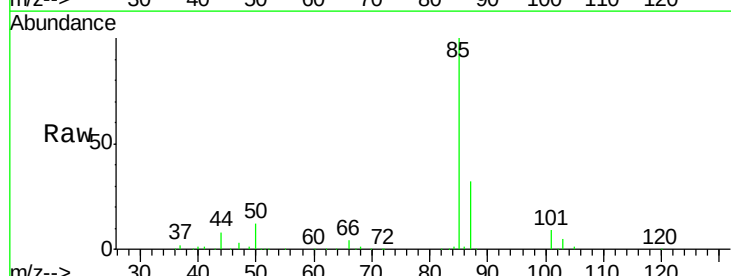
Acq: 04 Apr 2019 14:34

Tgt Ion: 85 Resp: 41347

Ion Ratio Lower Upper

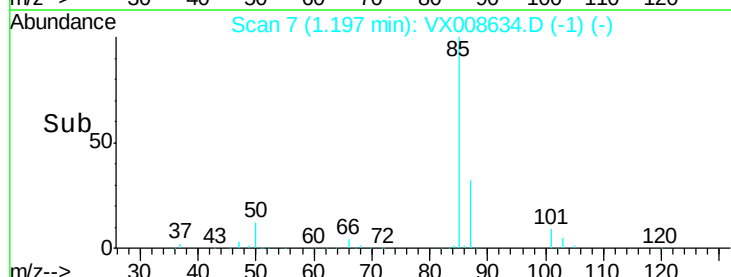
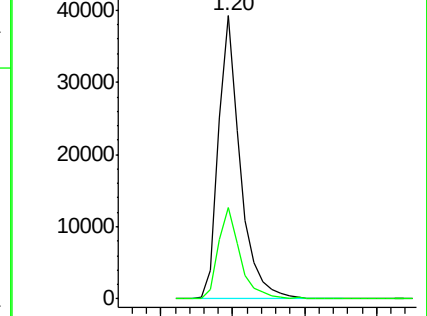
85 100

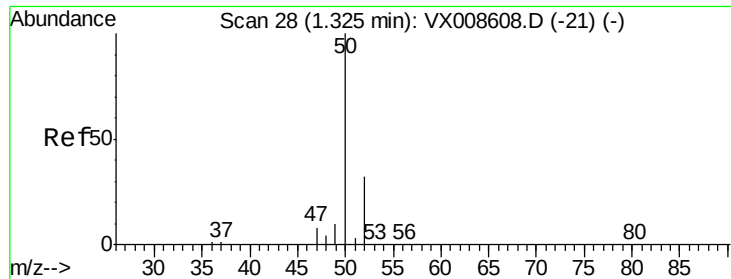
87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.898 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD01

Tot Ion: 50 Resp: 59388

Ion Ratio Lower Upper

50 100

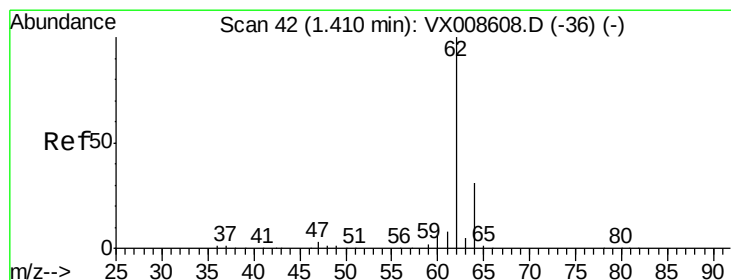
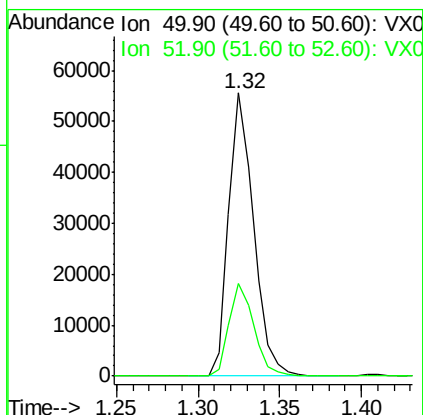
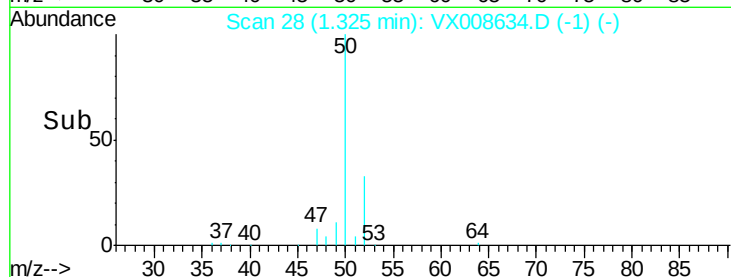
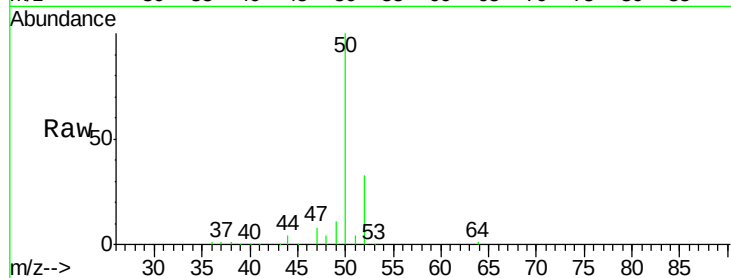
52 32.6 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.784 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008634.D

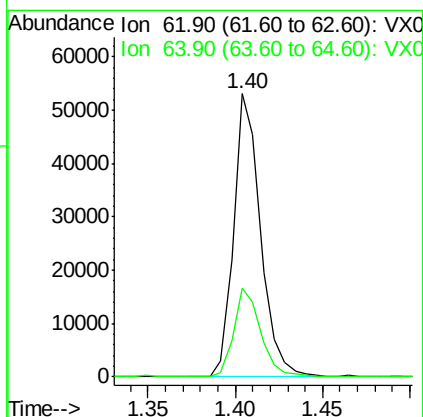
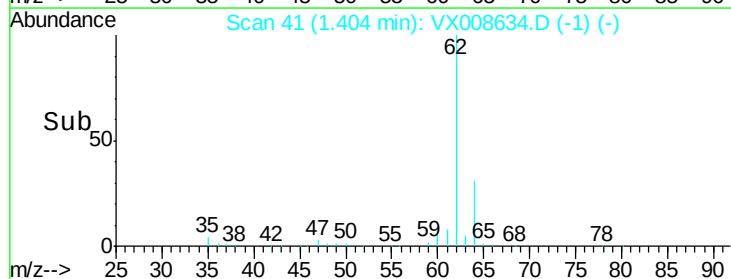
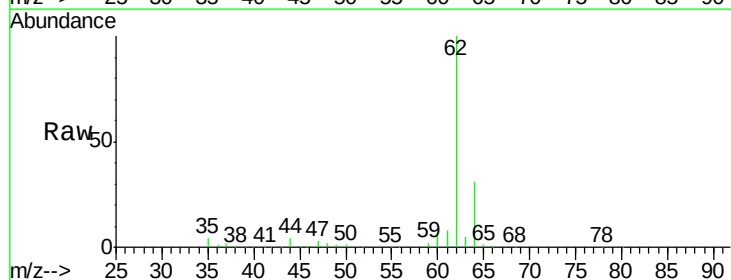
Acq: 04 Apr 2019 14:34

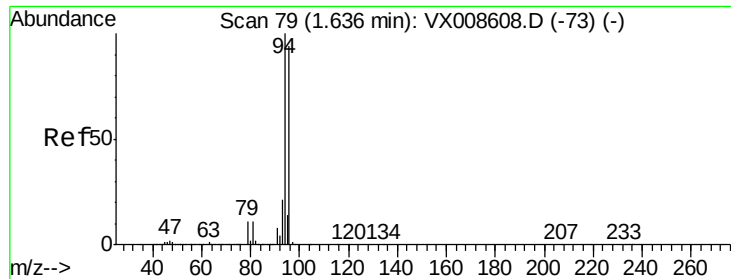
Tgt Ion: 62 Resp: 56725

Ion Ratio Lower Upper

62 100

64 31.1 24.7 37.1





#5

Bromomethane

Concen: 19.999 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD01

Tot Ion: 94 Resp: 26586

Ion Ratio Lower Upper

94 100

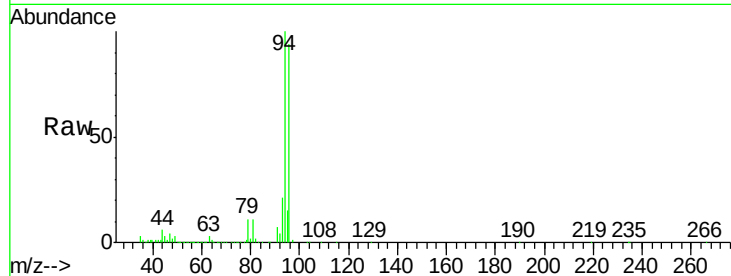
96 94.3 75.2 112.8

Manual Integrations

APPROVED

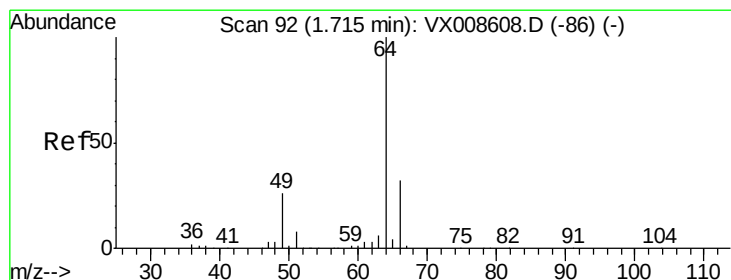
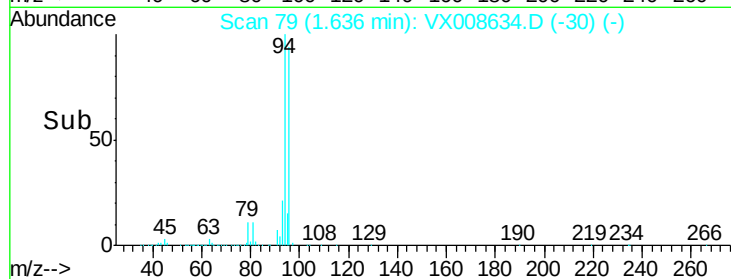
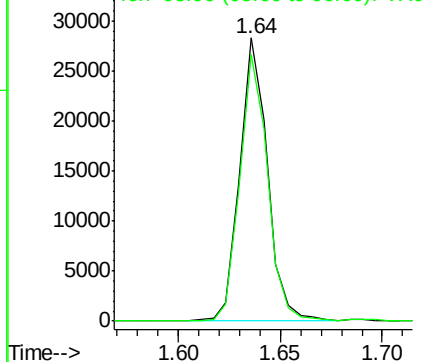
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 24.037 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008634.D

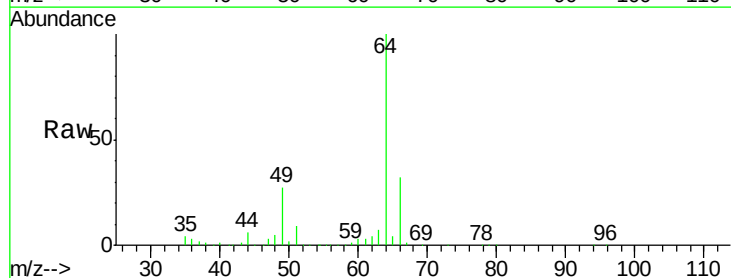
Acq: 04 Apr 2019 14:34

Tgt Ion: 64 Resp: 40100

Ion Ratio Lower Upper

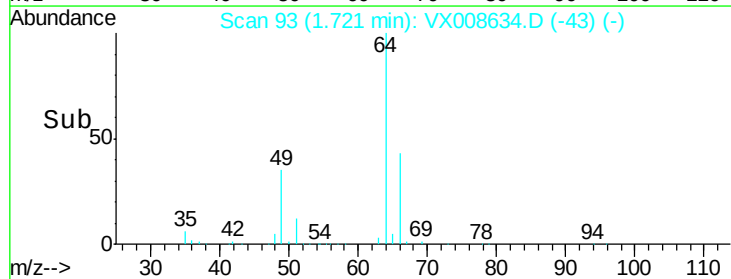
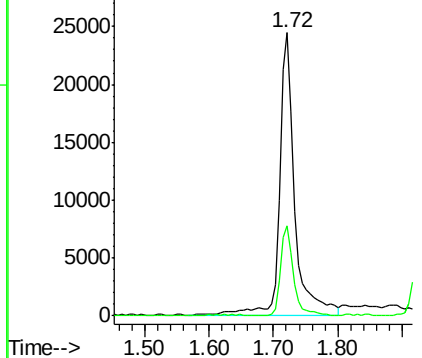
64 100

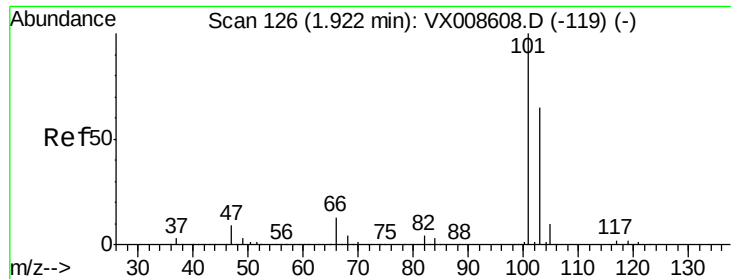
66 31.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

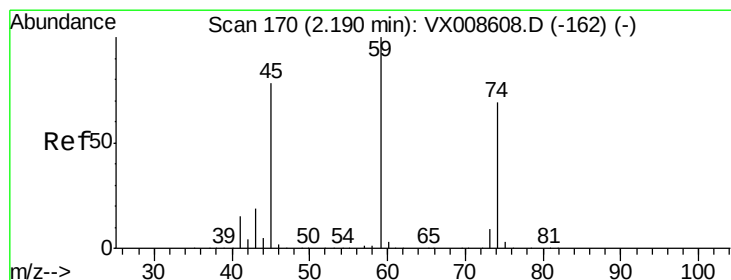
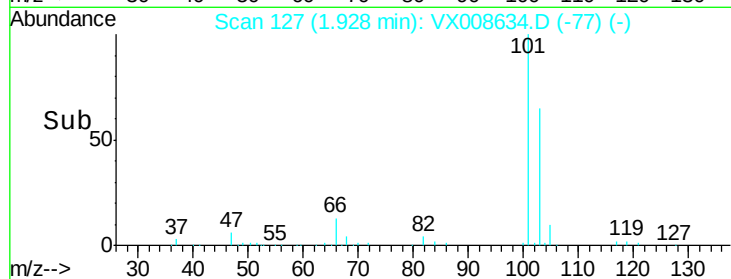
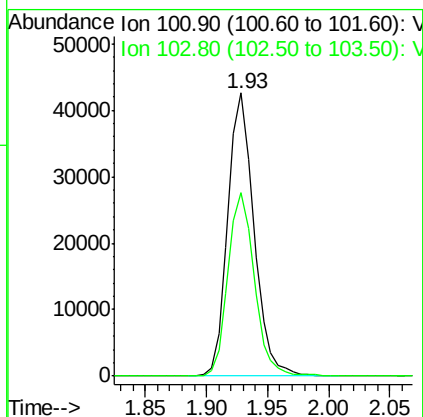
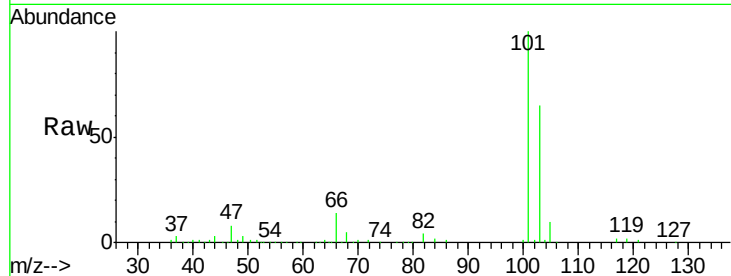
Trichlorofluoromethane
 Concen: 19.964 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Instrument :
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 ClientSampleId :
 VX0404WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.3	78.5

Manual Integrations
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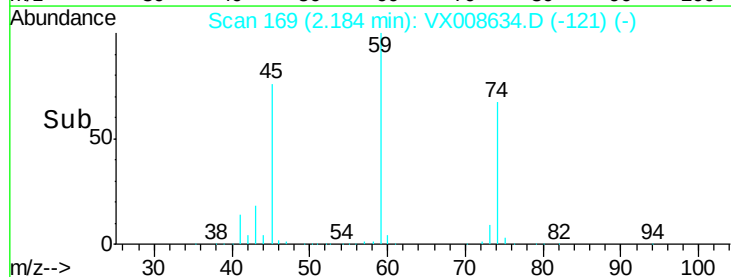
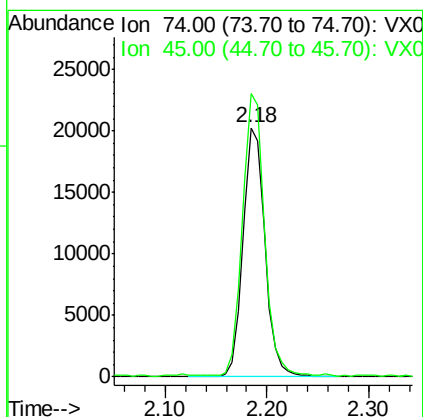
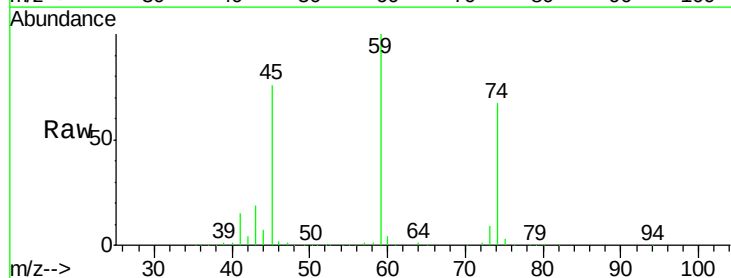
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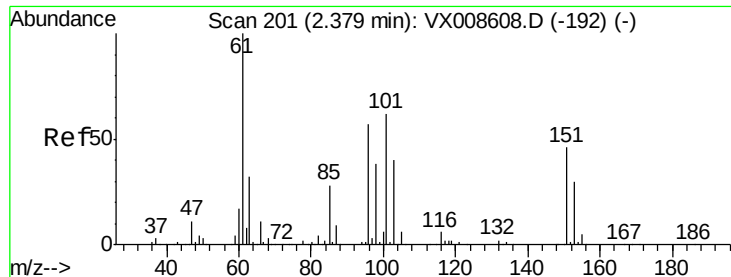


#8

Diethyl Ether
 Concen: 20.130 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.0	56.5	169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.932 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

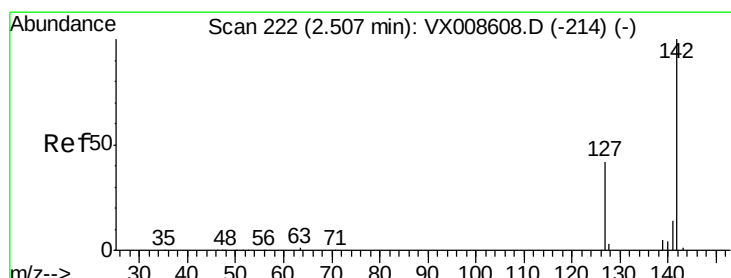
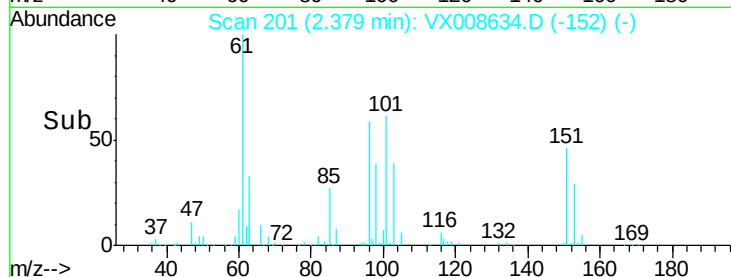
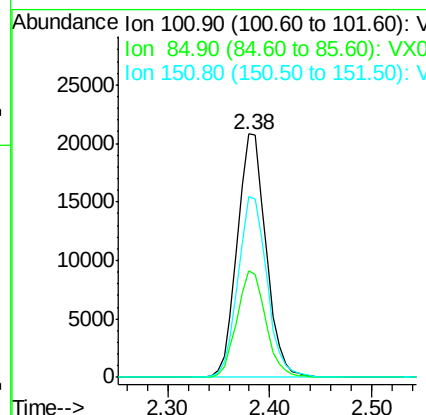
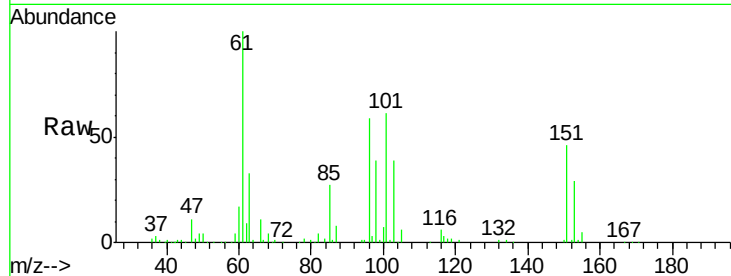
ClientSampleId :

VX0404WBSD01

Tot Ion:	101	Resp:	40673
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.0	54.0
151	74.2	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 20.753 ug/l

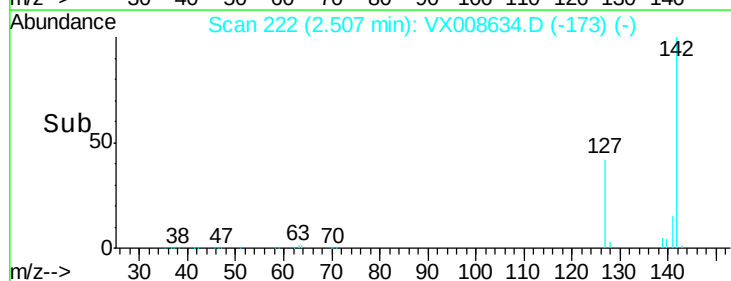
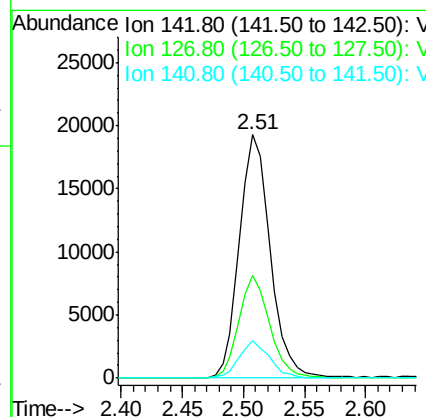
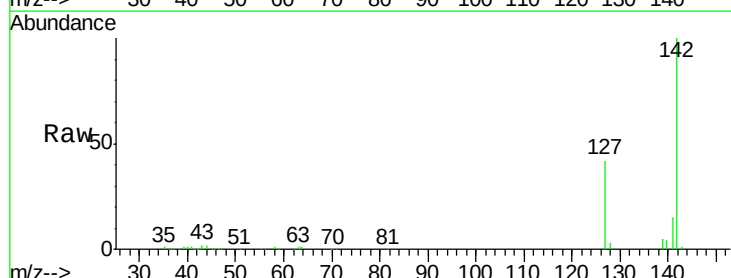
RT: 2.51 min Scan# 222

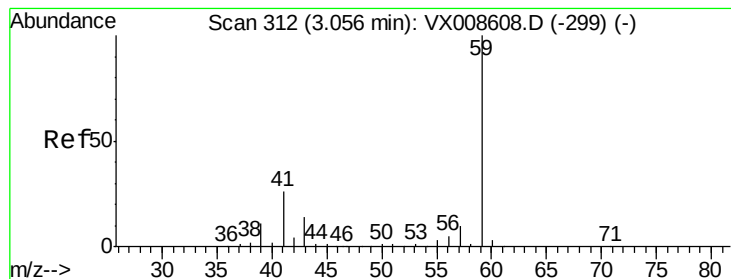
Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tgt Ion:	142	Resp:	33839
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.0	49.6
141	14.9	11.4	17.2





#11

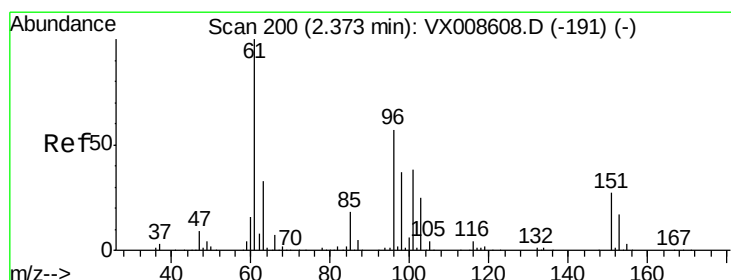
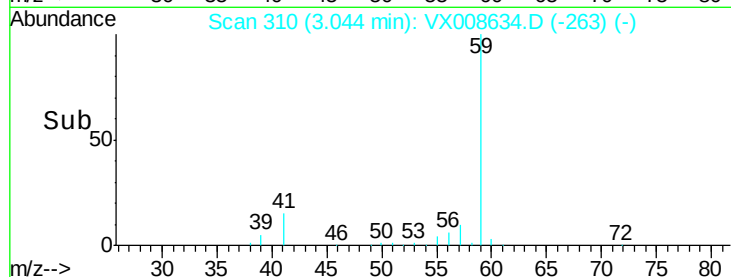
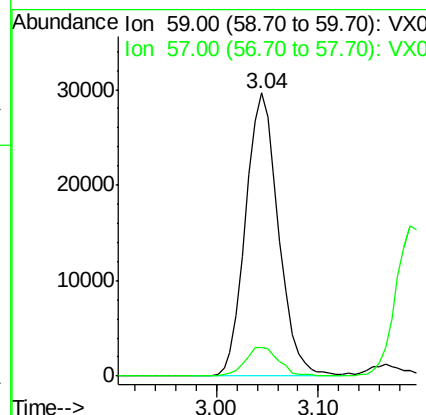
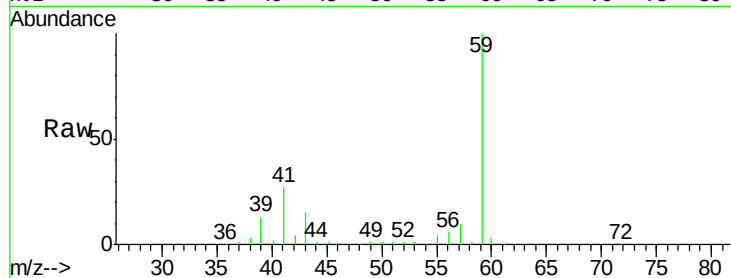
Tert butyl alcohol
 Concen: 105.738 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD01

Tot Ion: 59 Resp: 66529
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.3 12.5

Manual Integrations
 APPROVED

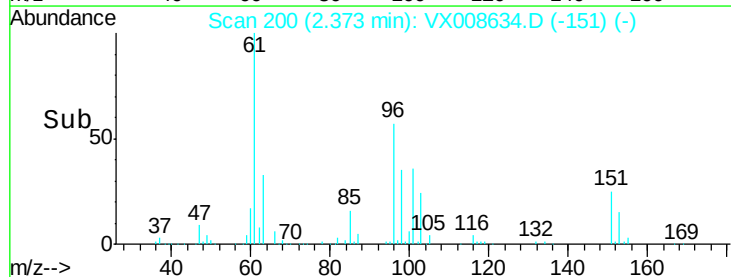
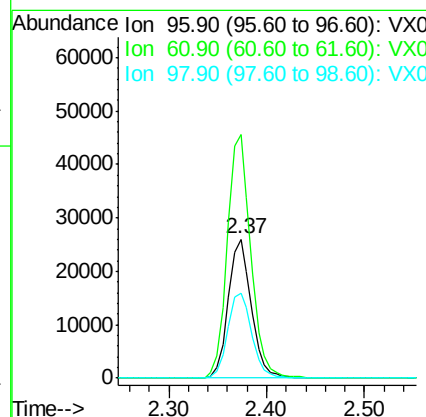
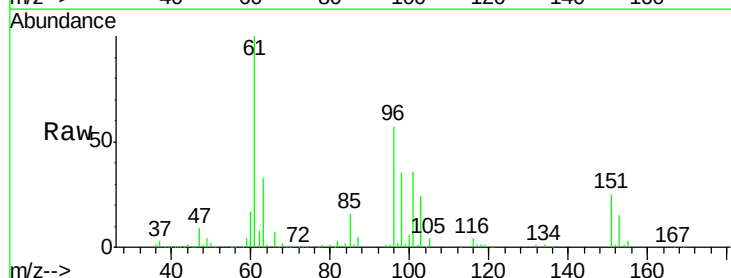
MMDadoda
 4/5/2019 11:11:51 AM

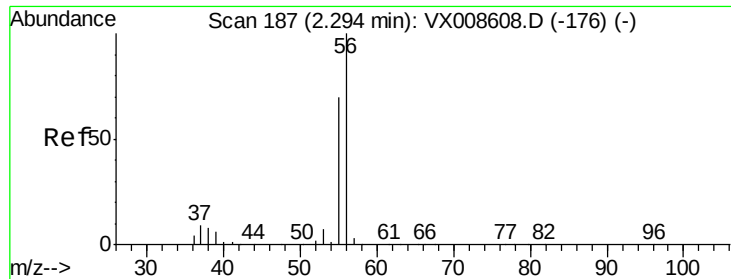


#12

1,1-Dichloroethene
 Concen: 19.946 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Tgt Ion: 96 Resp: 42489
 Ion Ratio Lower Upper
 96 100
 61 175.1 140.9 211.3
 98 61.2 52.1 78.1





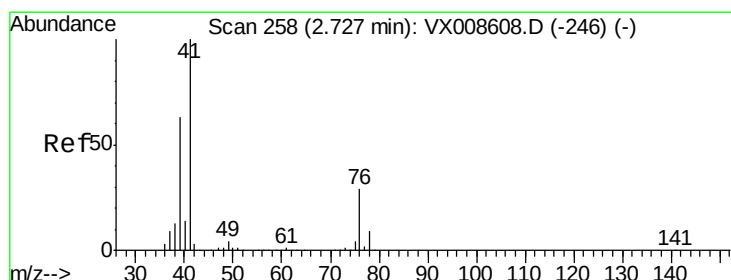
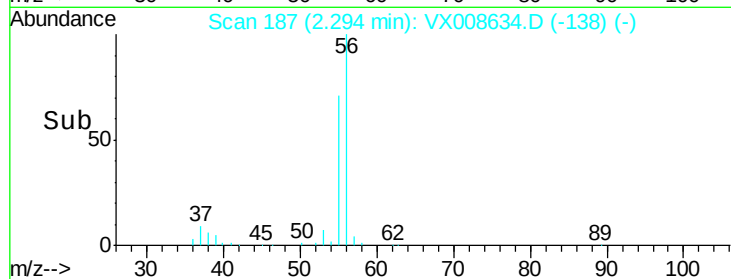
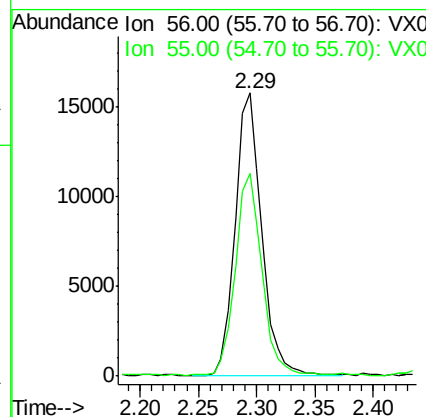
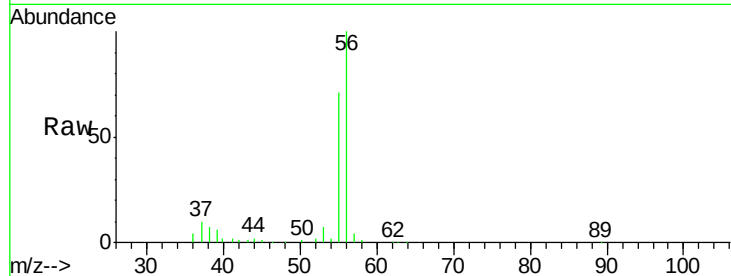
#13
Acrolein
Concen: 81.020 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampled :
VX0404WBSD01

Tot Ion: 56 Resp: 25277
Ion Ratio Lower Upper
56 100
55 72.2 58.0 87.0

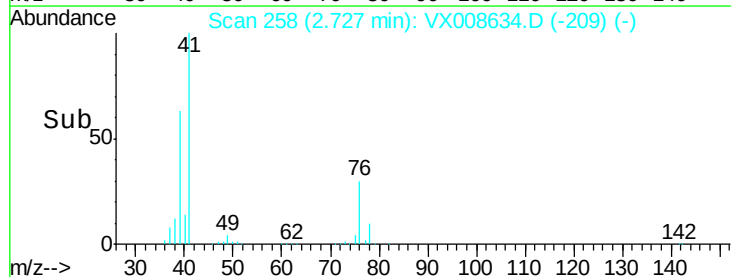
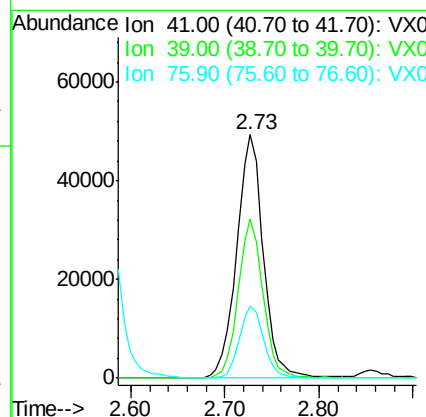
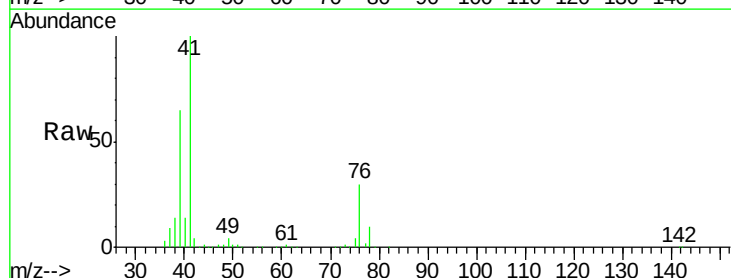
Manual Integrations
APPROVED

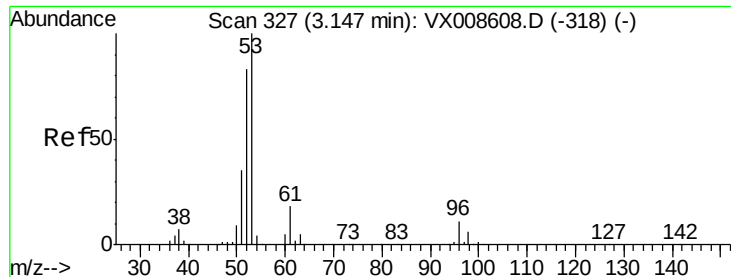
MMDadoda
4/5/2019 11:11:51 AM



#14
Allyl chloride
Concen: 19.763 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion: 41 Resp: 96374
Ion Ratio Lower Upper
41 100
39 61.0 48.0 72.0
76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 102.044 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

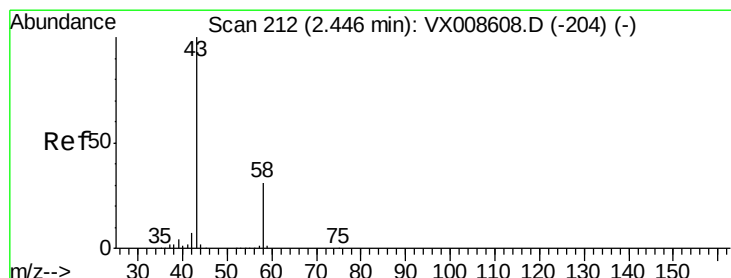
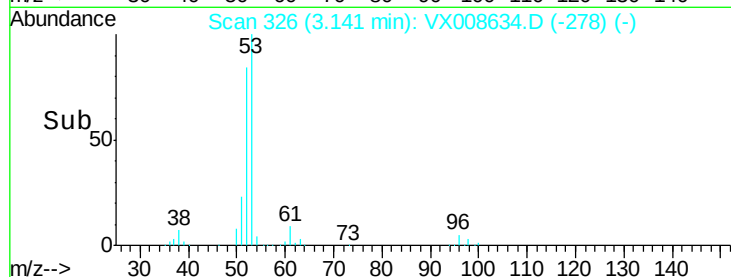
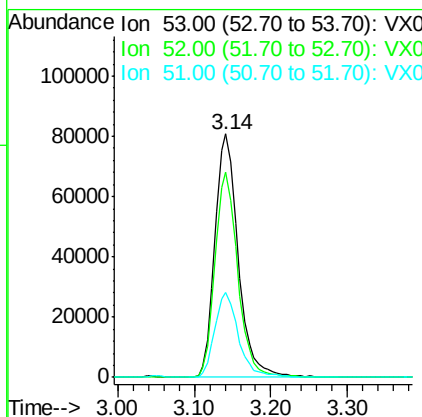
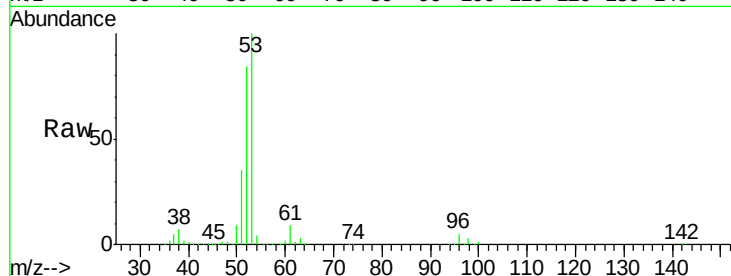
ClientSampled :

VX0404WBSD01

Tot Ion:	53	Resp:	170089
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.5	99.7
51	35.3	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 97.035 ug/l

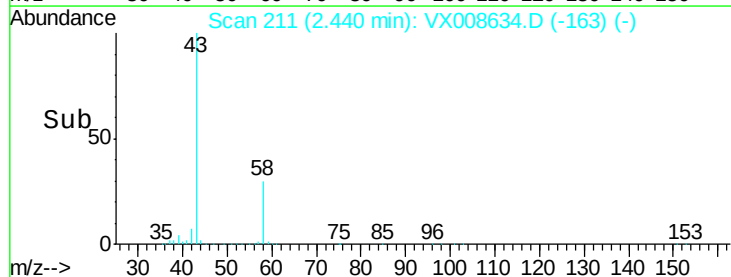
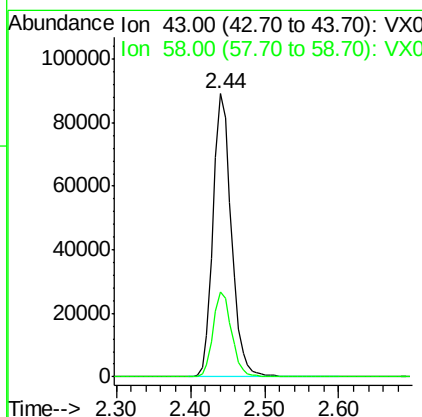
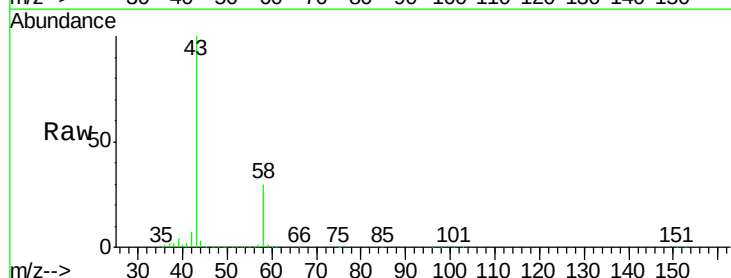
RT: 2.44 min Scan# 211

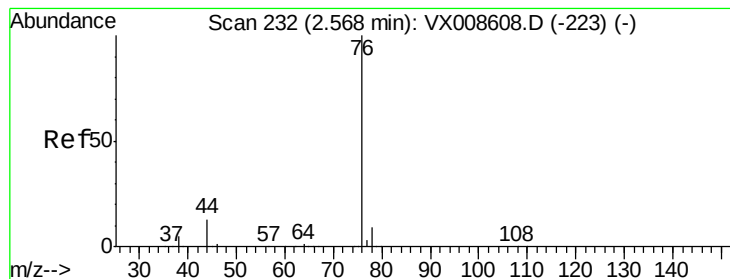
Delta R.T. -0.01 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tgt Ion:	43	Resp:	150204
Ion Ratio		Lower	Upper
43	100		
58	30.3	24.8	37.2





#17

Carbon Disulfide

Concen: 19.751 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD01

Tot Ion: 76 Resp: 124249

Ion Ratio Lower Upper

76 100

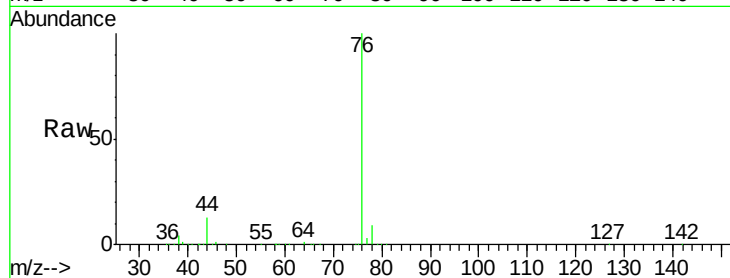
78 8.6 7.1 10.7

Manual Integrations

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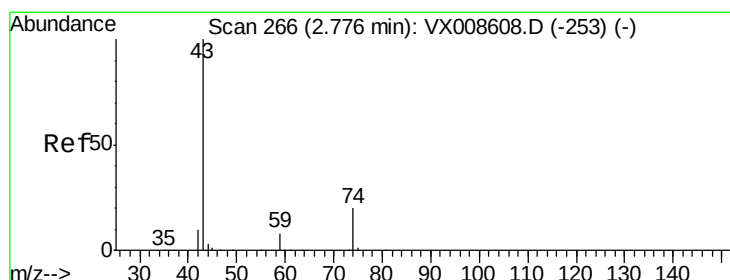
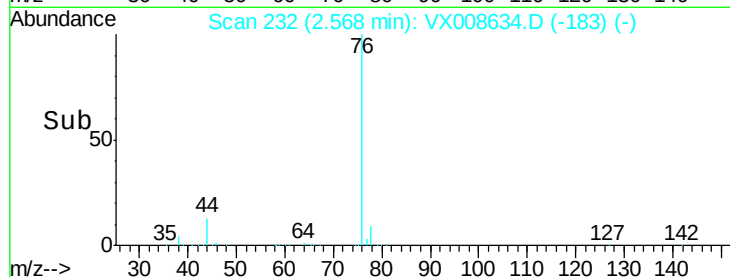
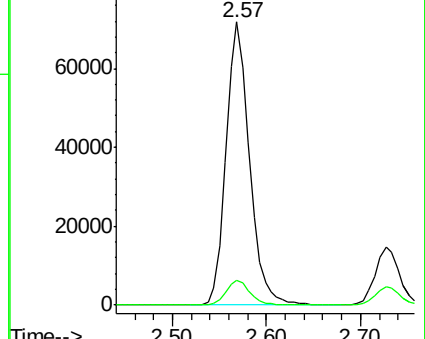
MMDadoda

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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: 19.630 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008634.D

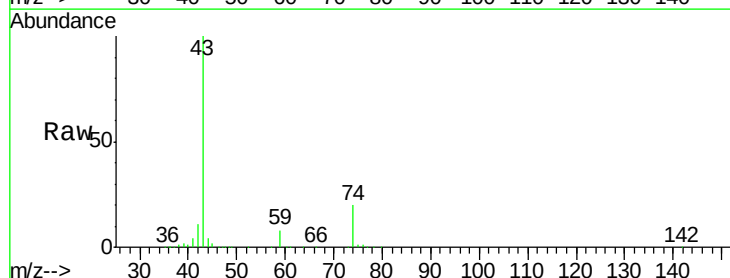
Acq: 04 Apr 2019 14:34

Tgt Ion: 43 Resp: 73697

Ion Ratio Lower Upper

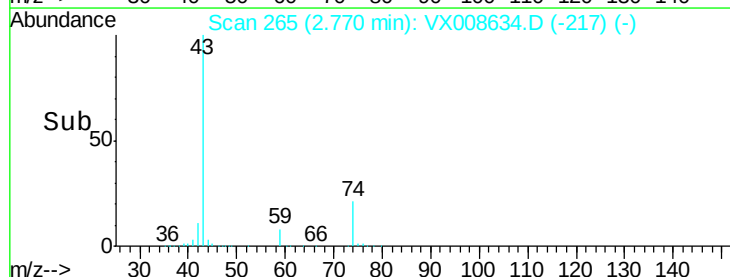
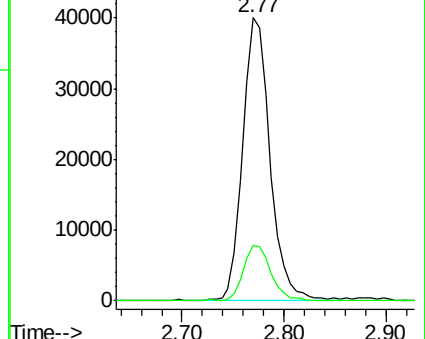
43 100

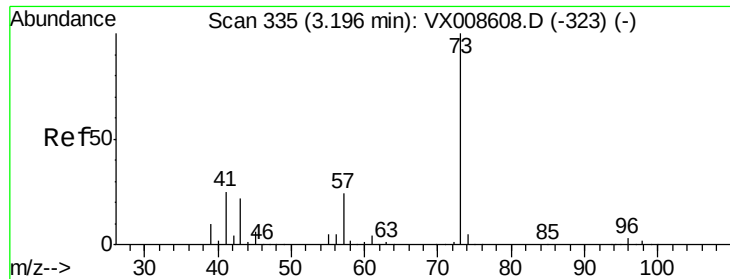
74 20.3 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





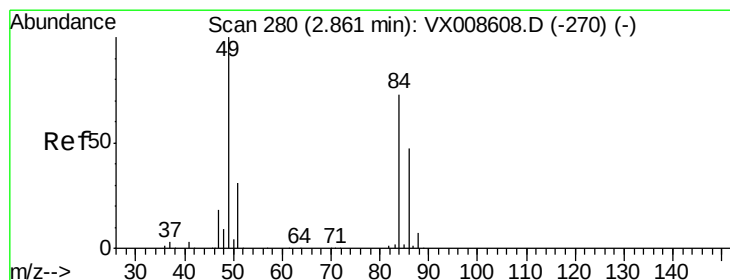
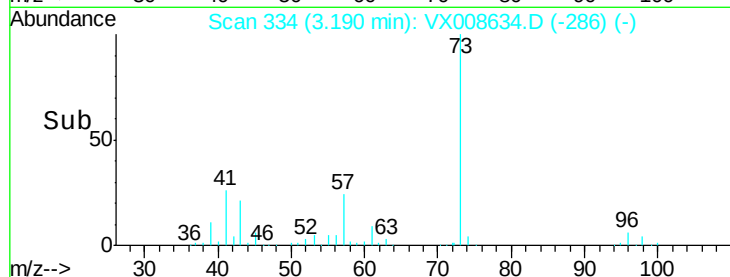
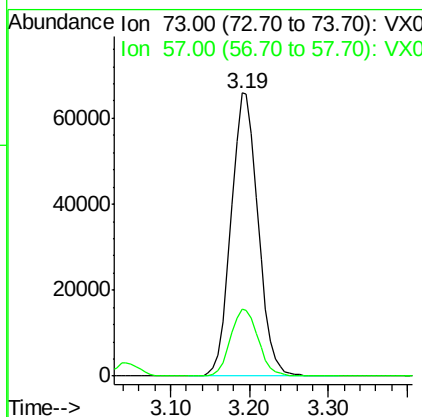
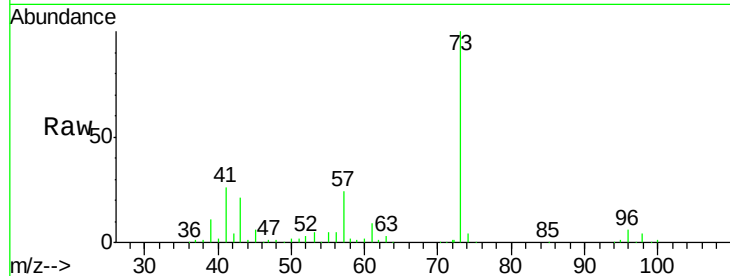
#19
Methvl tert-butyl Ether
Concen: 20.632 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampled :
VX0404WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.5	29.3

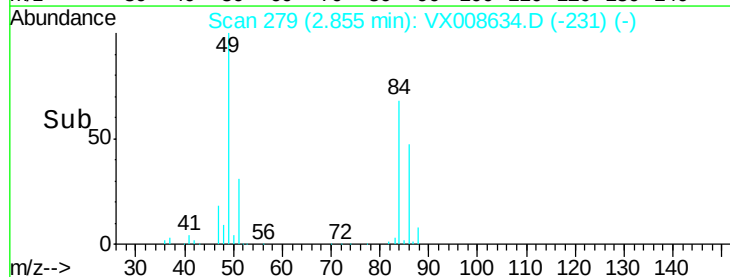
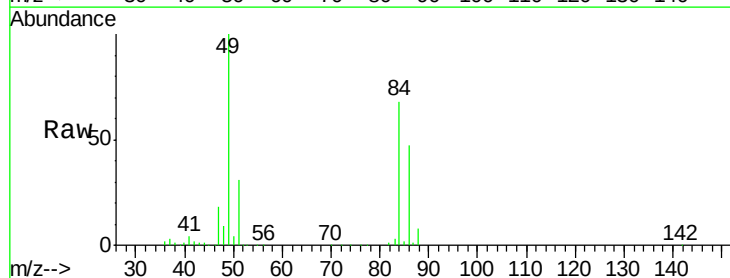
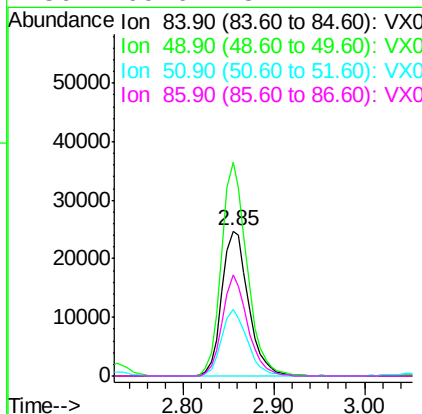
Manual Integrations
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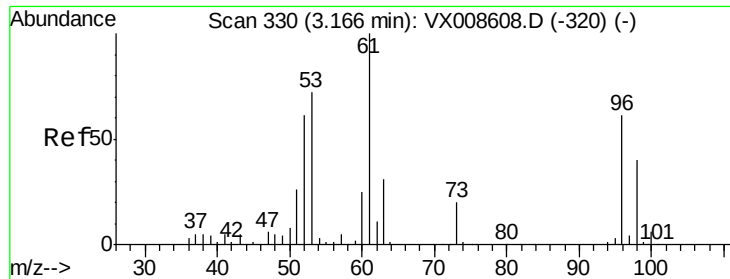
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#20
Methylene Chloride
Concen: 19.553 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.5	109.7	164.5
51	46.2	33.6	50.4
86	69.6	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 19.376 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD01

Tot Ion: 96 Resp: 44645

Ion Ratio Lower Upper

96 100

61 155.0 132.1 198.1

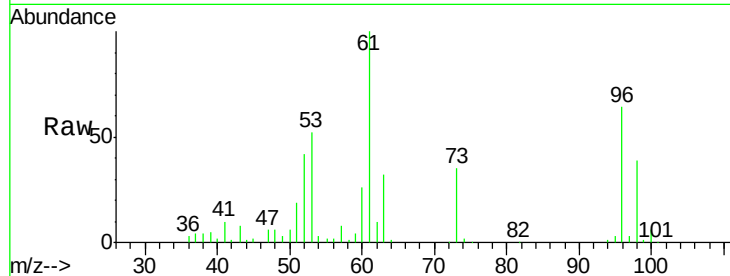
98 60.2 52.2 78.2

Manual Integrations

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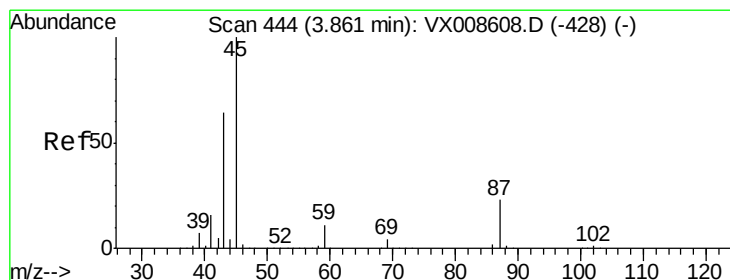
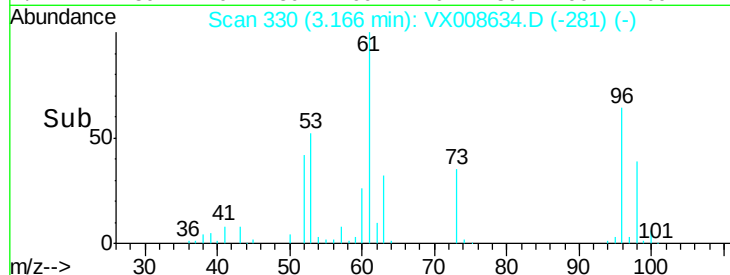
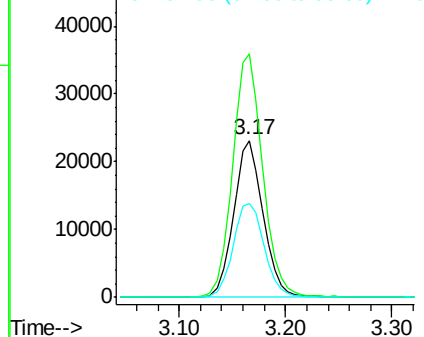


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.684 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tgt Ion: 45 Resp: 194408

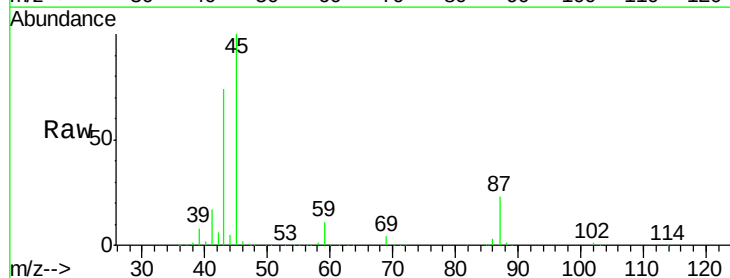
Ion Ratio Lower Upper

45 100

43 73.4 51.3 76.9

87 23.4 18.1 27.1

59 11.0 8.6 13.0



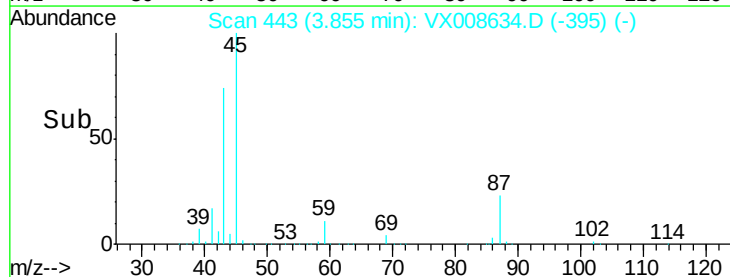
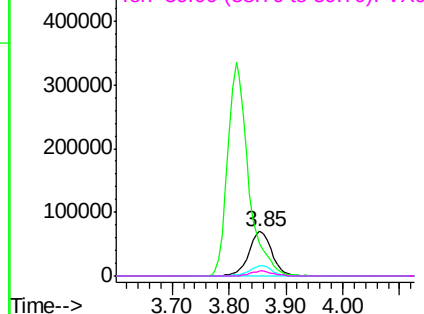
Abundance

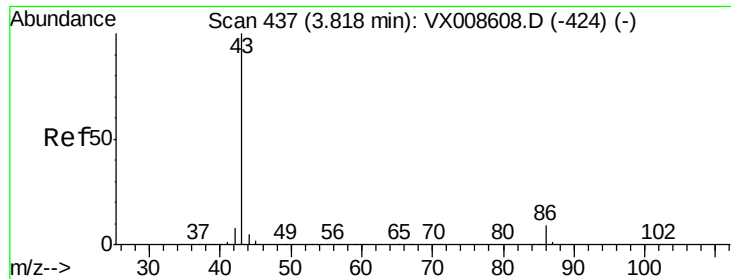
Ion 45.00 (44.70 to 45.70): VX0

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: 104.346 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD01

Tot Ion: 43 Resp: 853204

Ion Ratio Lower Upper

43 100

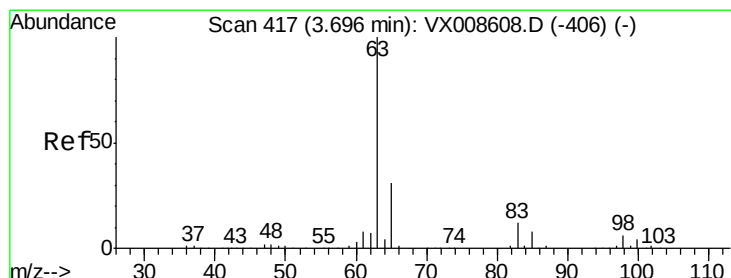
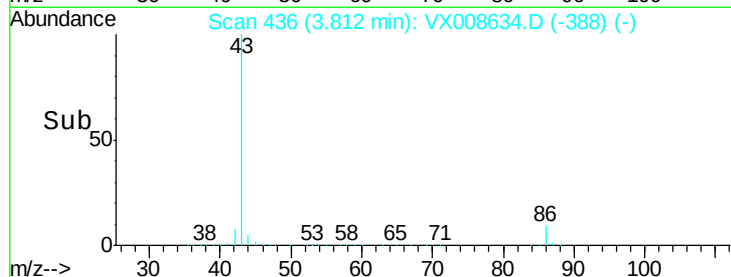
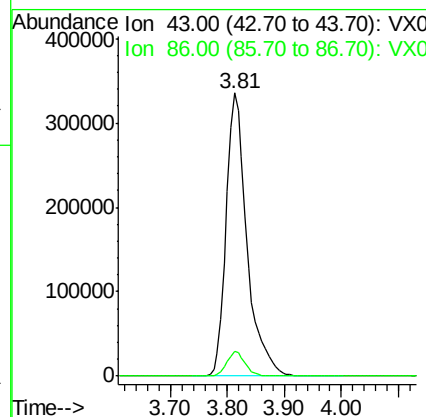
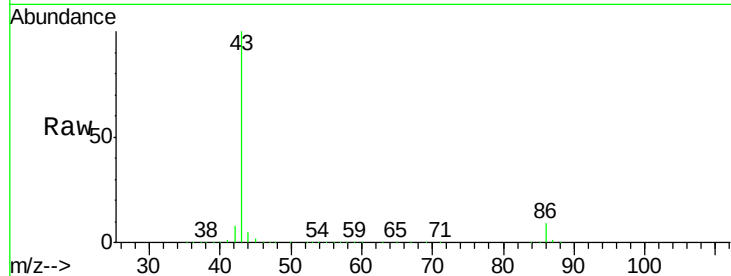
86 8.6 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.609 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

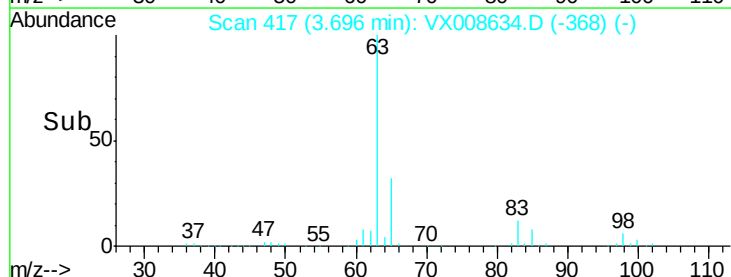
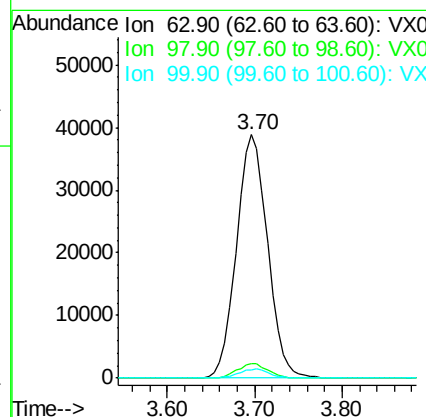
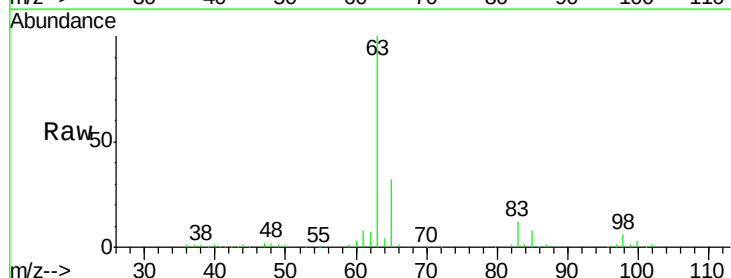
Tgt Ion: 63 Resp: 95905

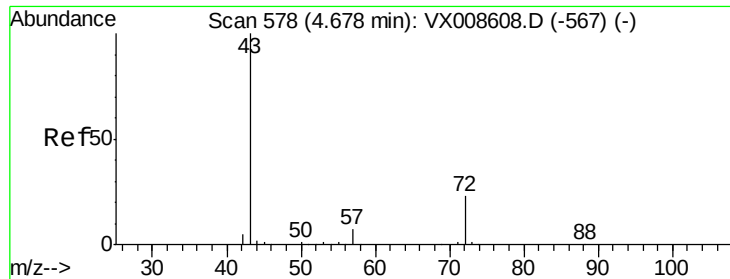
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.4 1.8 5.5





#25

2-Butanone

Concen: 102.533 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tot Ion: 43 Resp: 250854

Ion Ratio Lower Upper

43 100

72 22.5 18.2 27.4

Instrument :

MSVOA_X

ClientSampleId :

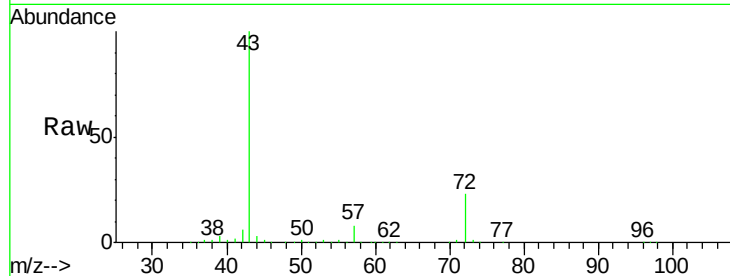
VX0404WBSD01

Manual Integrations

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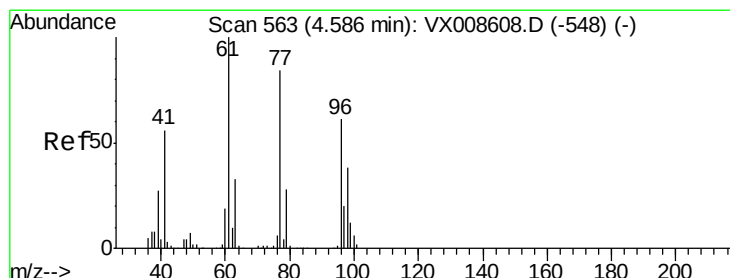
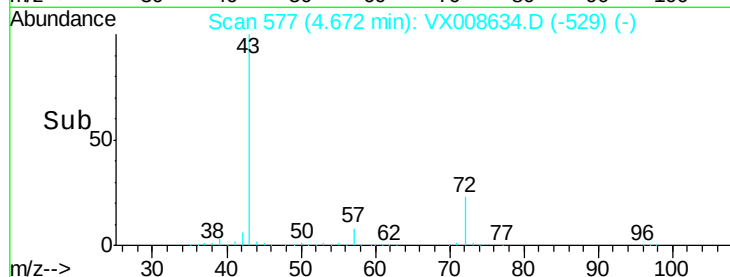
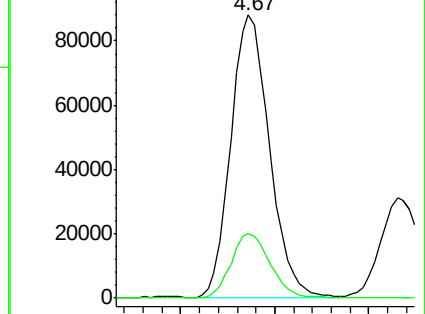
MMDadoda

4/5/2019 11:11:51 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: 18.687 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008634.D

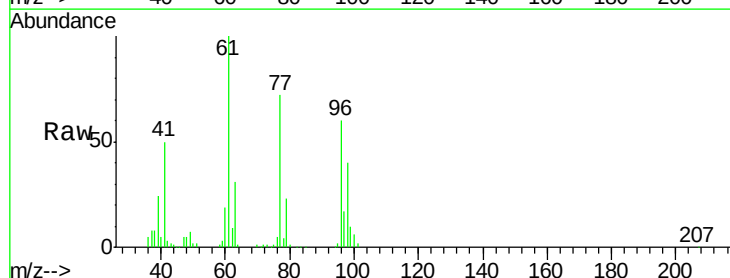
Acq: 04 Apr 2019 14:34

Tgt Ion: 77 Resp: 61250

Ion Ratio Lower Upper

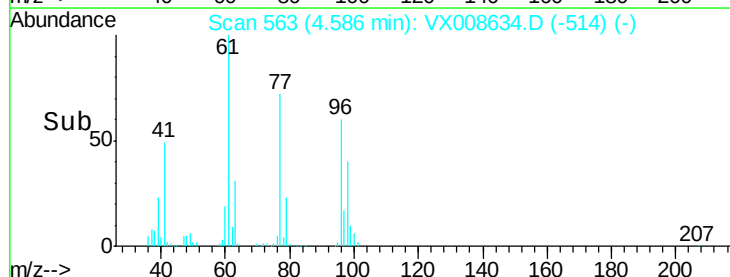
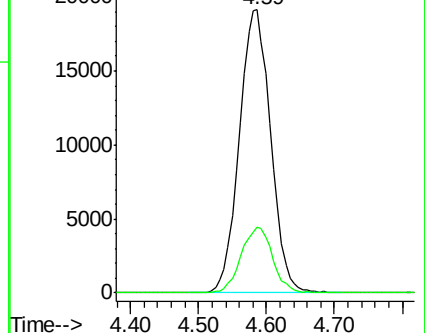
77 100

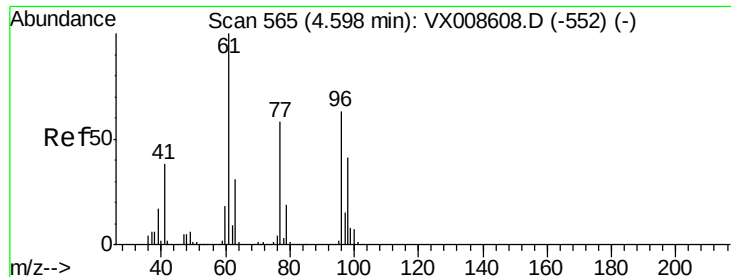
97 23.3 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

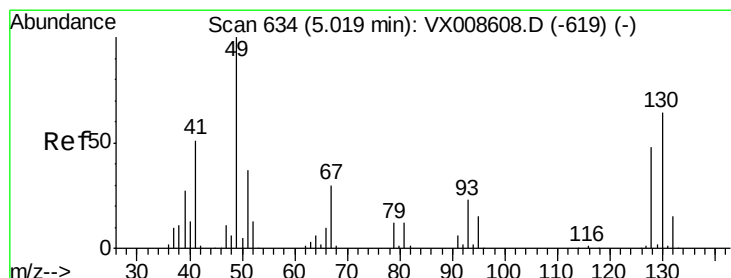
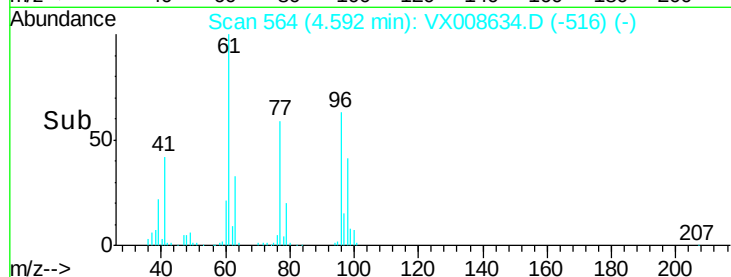
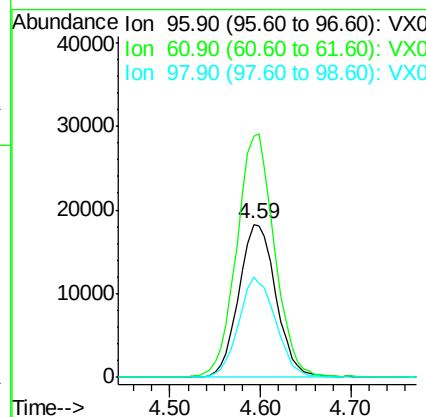
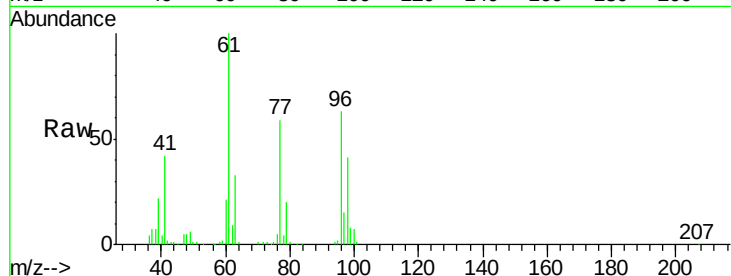
cis-1,2-Dichloroethene
Concen: 19.573 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.0	0.0	327.6	
98	65.4	0.0	128.6	

Manual Integrations
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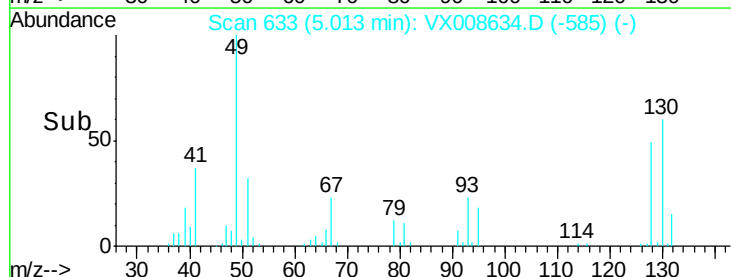
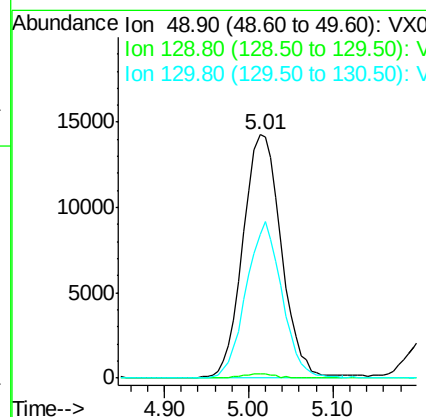
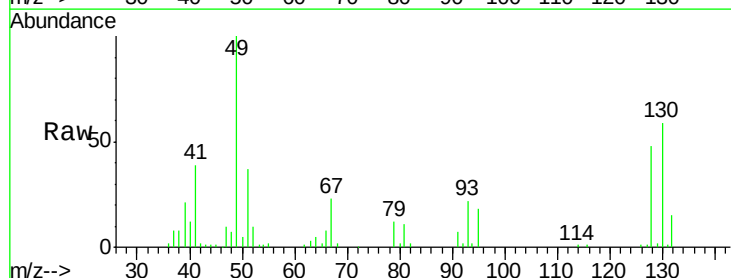
MMDadoda
4/5/2019 11:11:51 AM

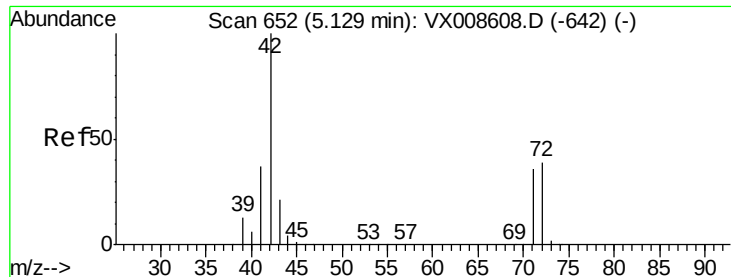


#28

Bromochloromethane
Concen: 21.007 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.6	
130	59.8	49.3	73.9	





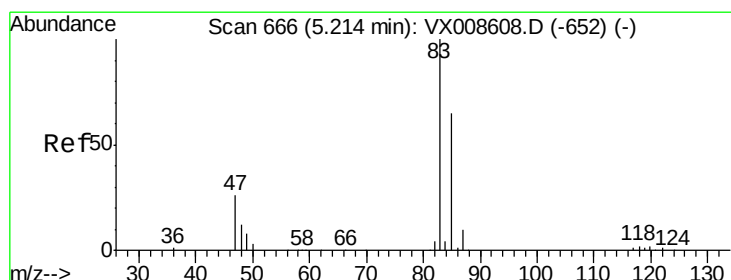
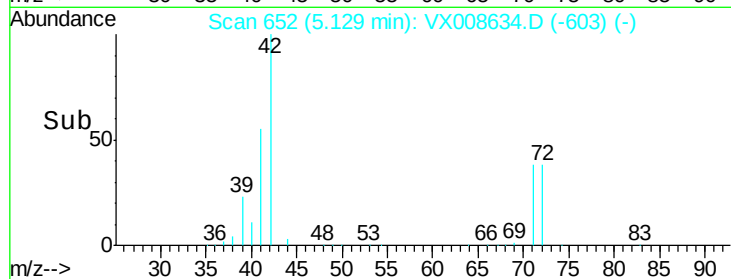
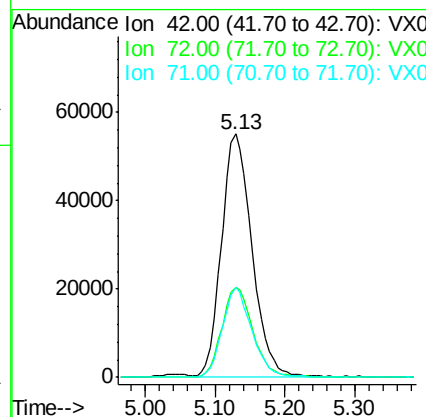
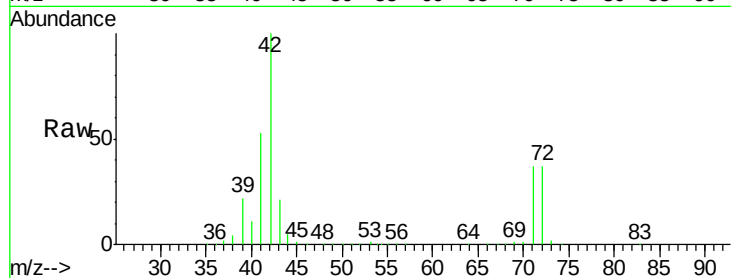
#29
Tetrahydrofuran
Concen: 102.239 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.5	45.7
71	35.9	28.6	43.0

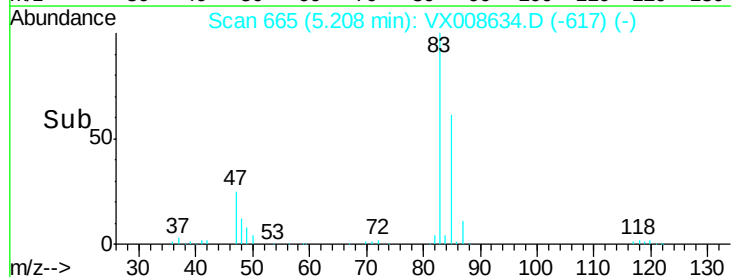
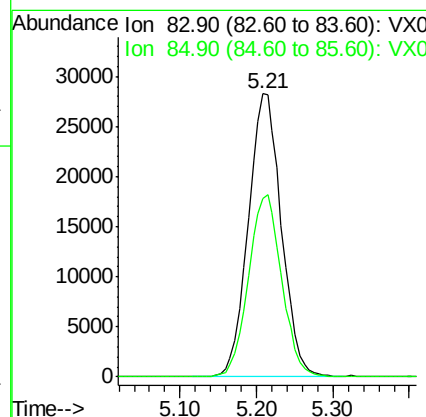
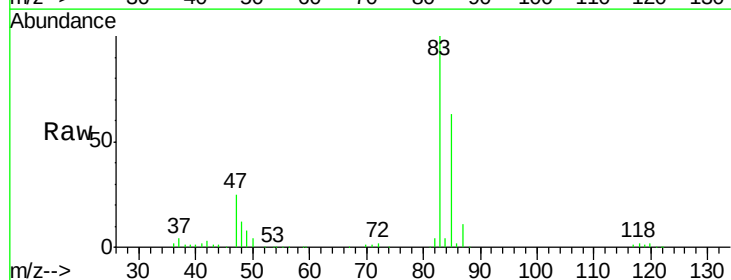
Manual Integrations
APPROVED

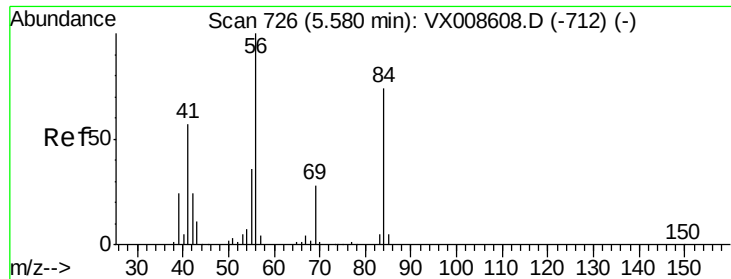
MMDadoda
4/5/2019 11:11:51 AM



#30
Chloroform
Concen: 20.458 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.1	78.1





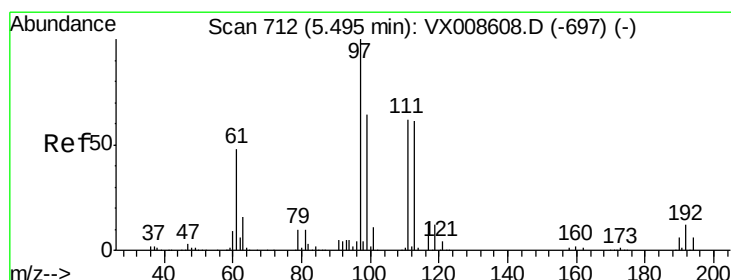
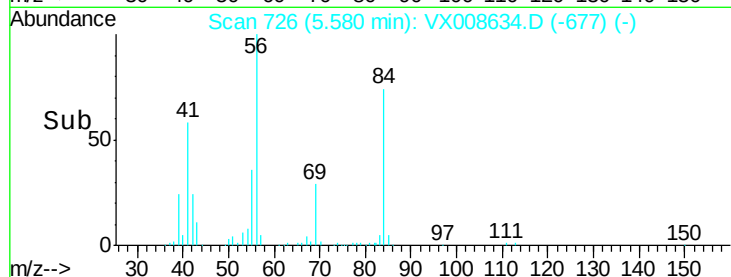
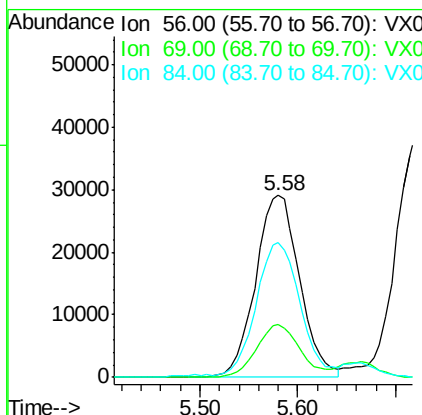
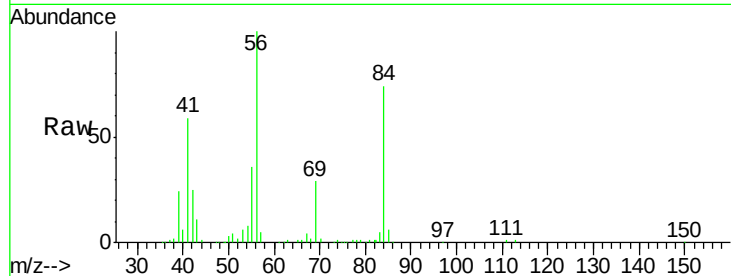
#31
Cyclohexane
Concen: 19.671 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	22.6	33.8
84	72.7	59.3	88.9

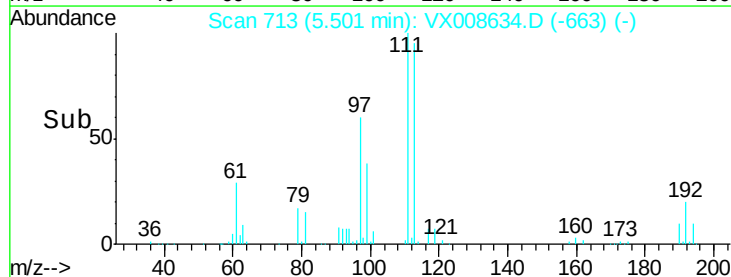
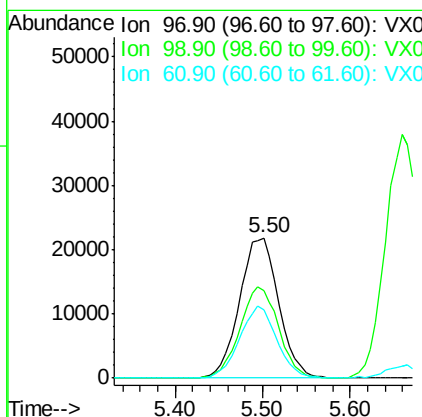
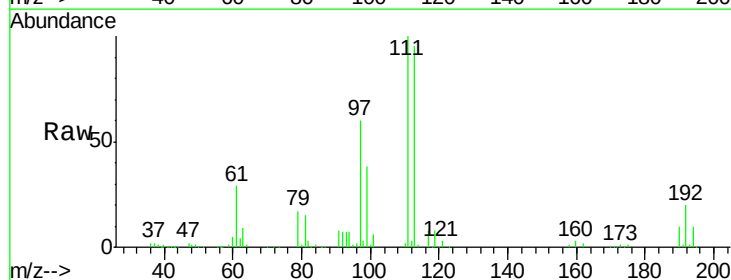
Manual Integrations
APPROVED

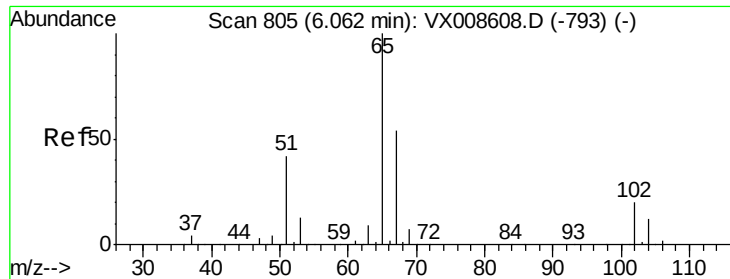
MMDadoda
4/5/2019 11:11:51 AM



#32
1,1,1-Trichloroethane
Concen: 20.245 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	49.1	38.9	58.3





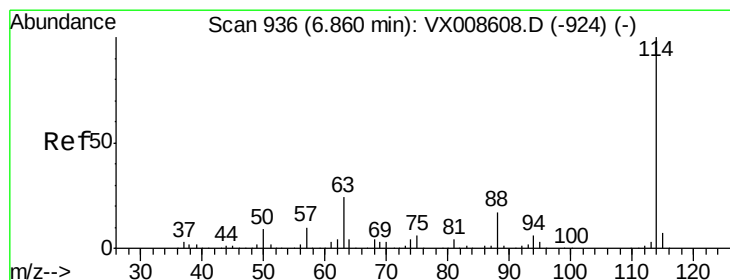
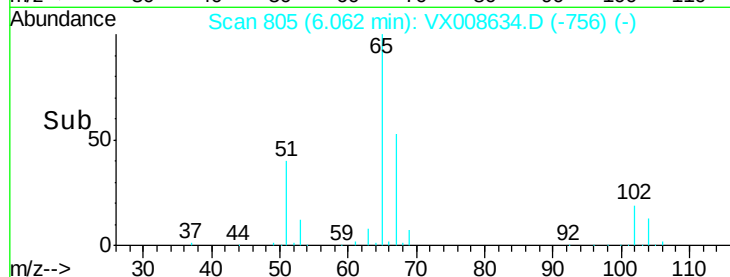
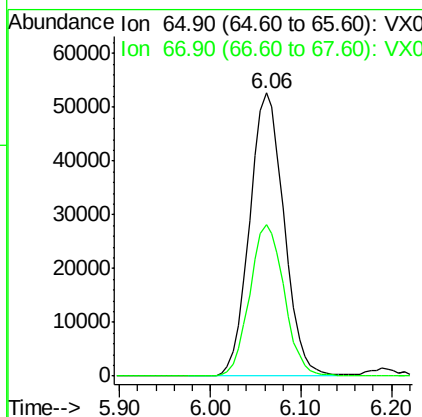
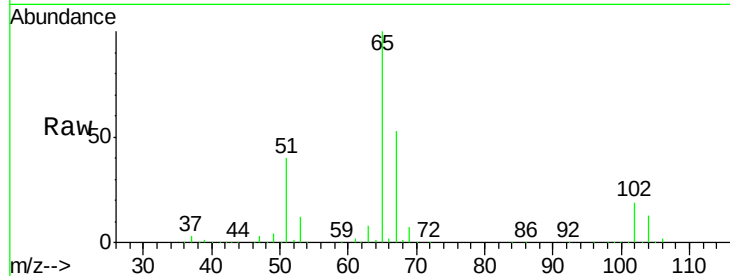
#33
 1,2-Dichloroethane-d4
 Concen: 51.510 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138435		
67	53.7	0.0	107.2	

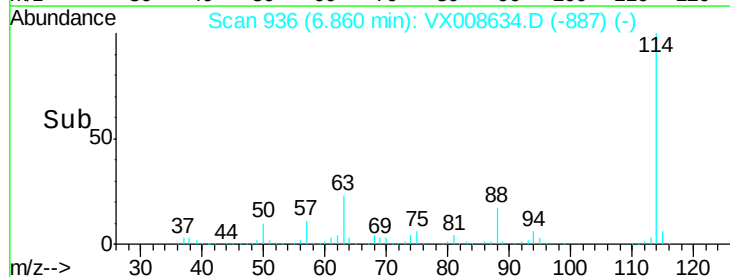
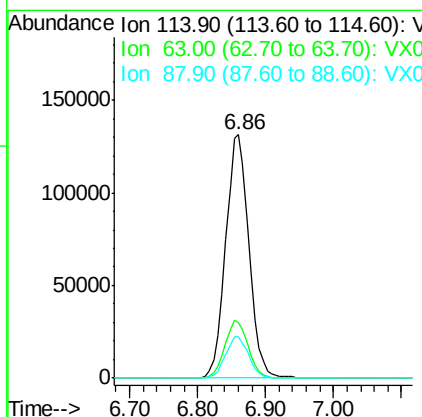
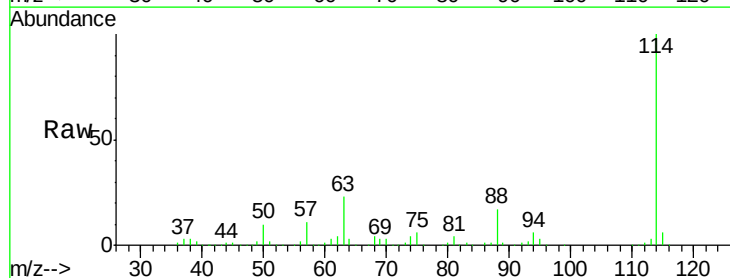
Manual Integrations
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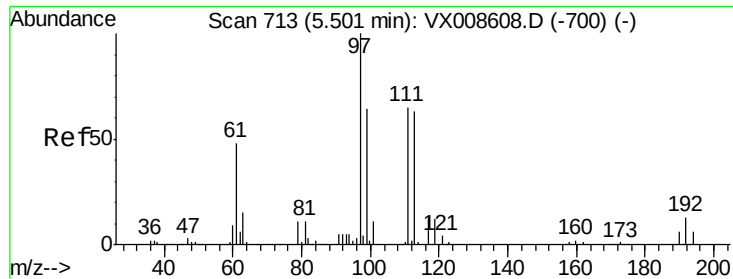
MMDadoda
 4/5/2019 11:11:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	310041		
63	23.0	0.0	47.2	
88	16.8	0.0	34.0	





#35

Dibromofluoromethane

Concen: 50.826 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

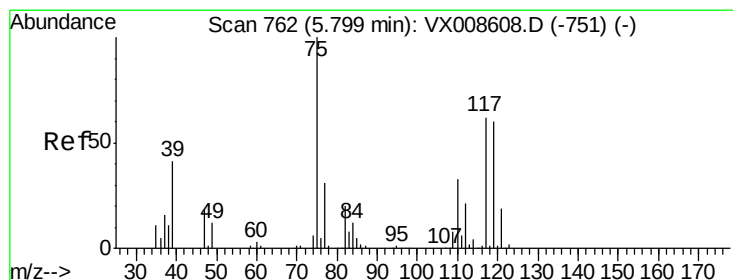
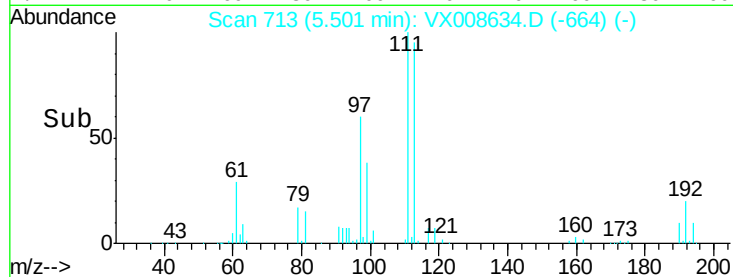
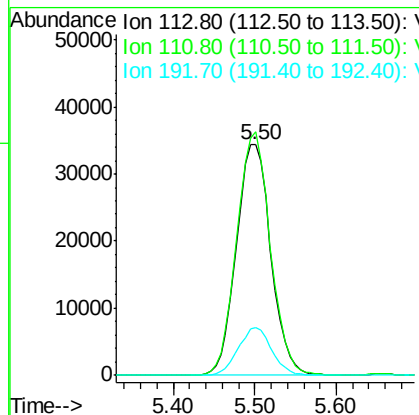
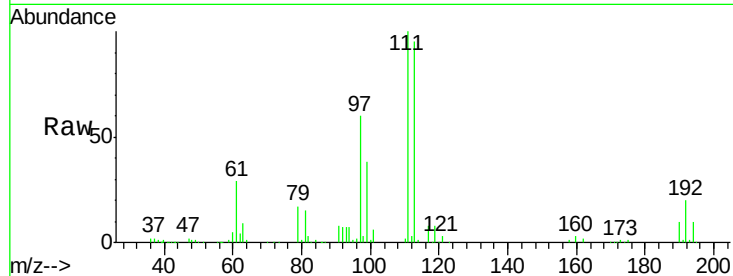
ClientSampleId :

VX0404WBSD01

Tot Ion:	113	Resp:	100752
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.4	125.2
192	20.3	16.1	24.1

Manual Integrations
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4/5/2019 11:11:51 AM



#36

1,1-Dichloropropene

Concen: 19.524 ug/l

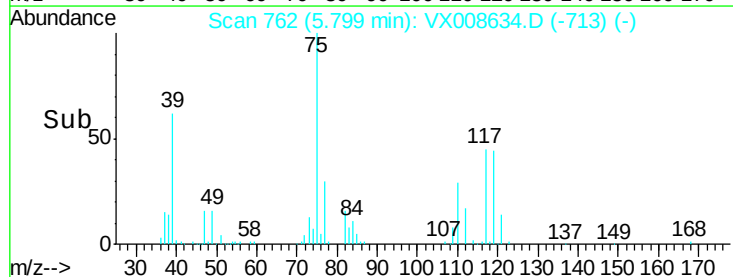
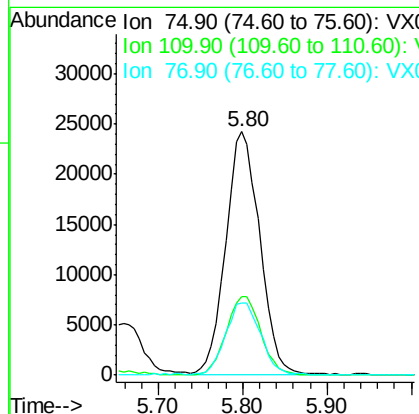
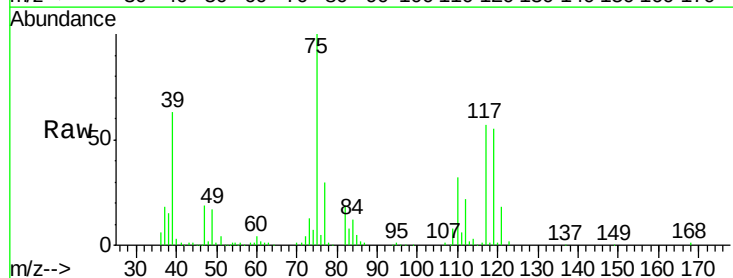
RT: 5.80 min Scan# 762

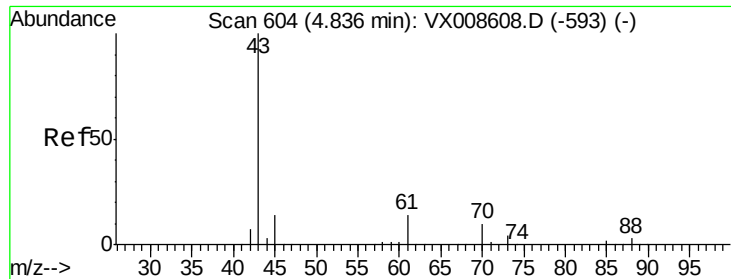
Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tgt Ion:	75	Resp:	66169
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.4	49.2
77	31.2	24.7	37.1





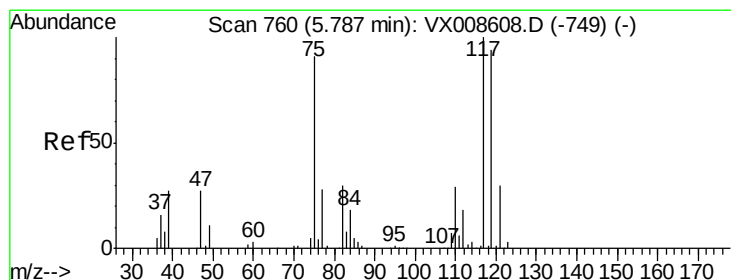
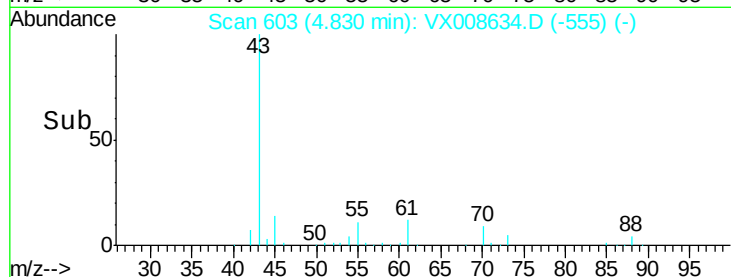
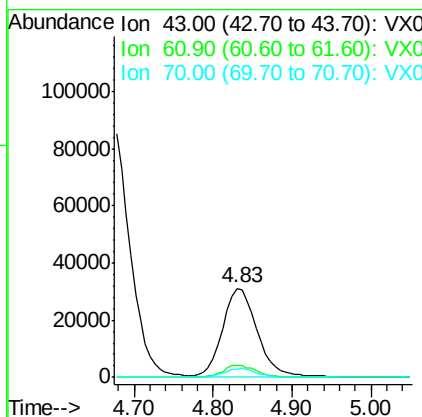
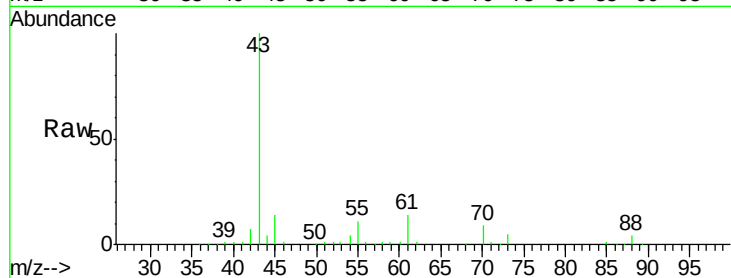
#37
Ethyl Acetate
Concen: 20.595 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	9.8	7.6	11.4

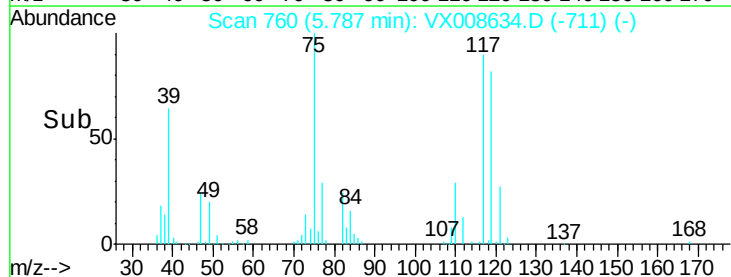
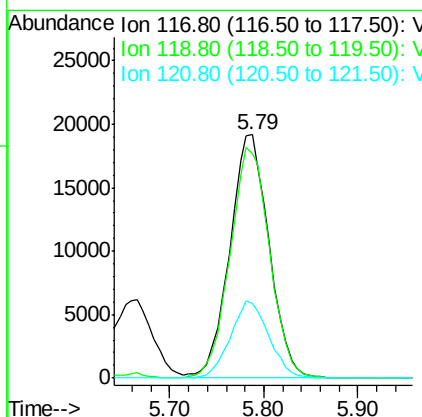
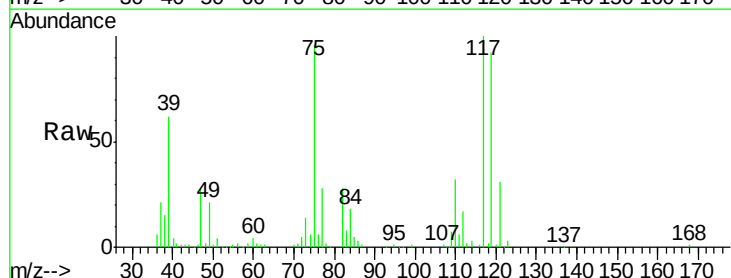
Manual Integrations
APPROVED

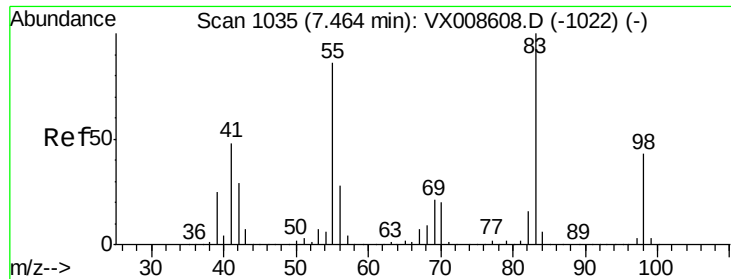
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#38
Carbon Tetrachloride
Concen: 19.832 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	75.0	112.6
121	30.5	24.3	36.5





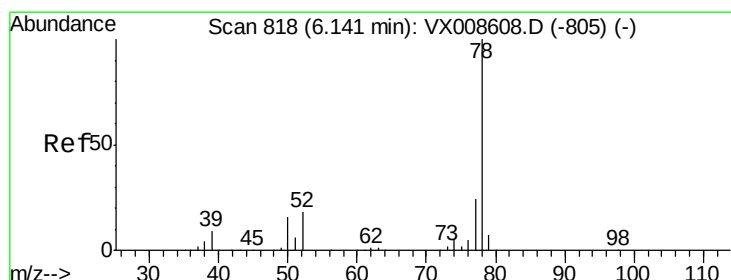
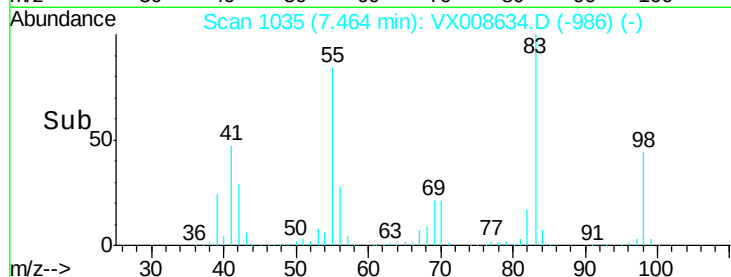
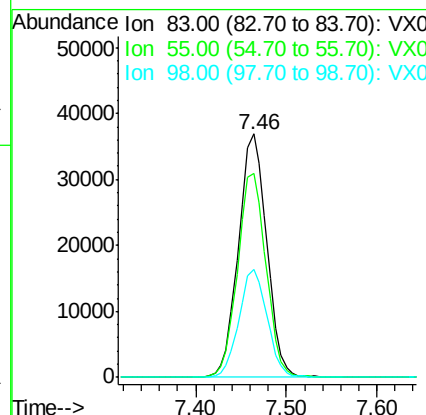
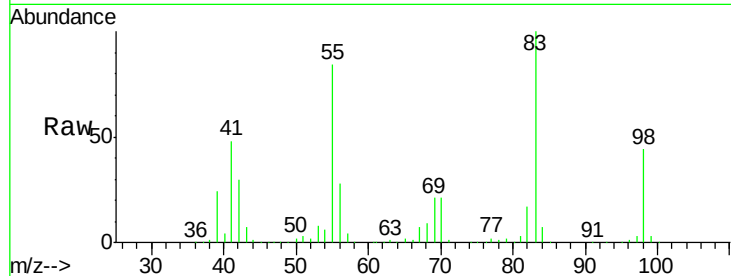
#39
Methylvlcyclohexane
Concen: 19.114 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	69.0	103.6
98	44.3	34.4	51.6

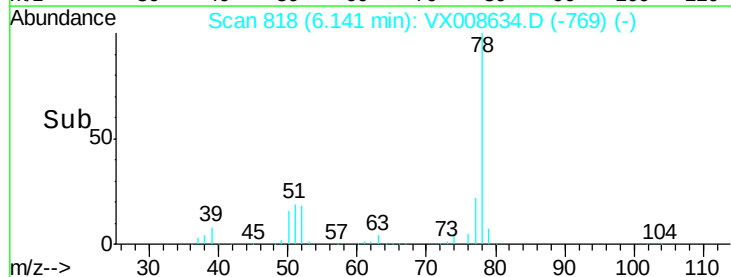
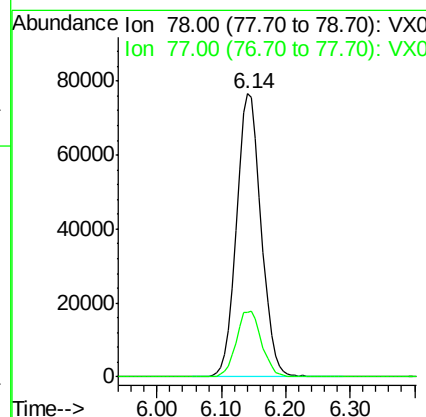
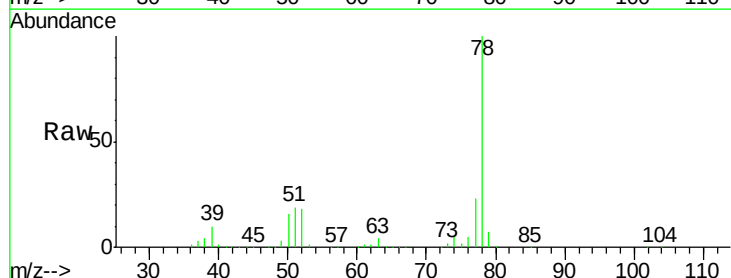
Manual Integrations
APPROVED

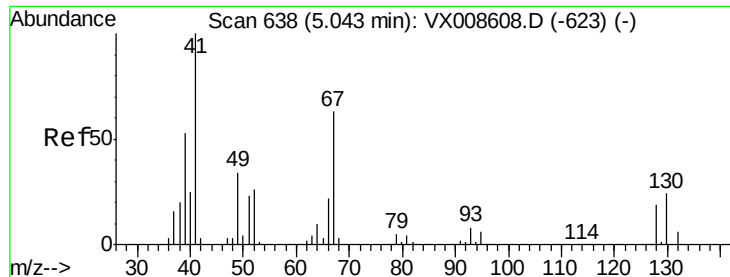
MMDadoda
4/5/2019 11:11:51 AM



#40
Benzene
Concen: 20.249 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.1	28.7





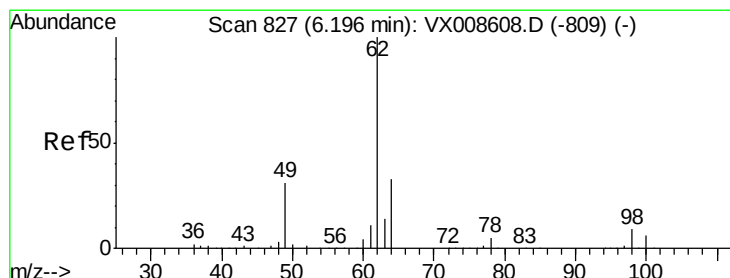
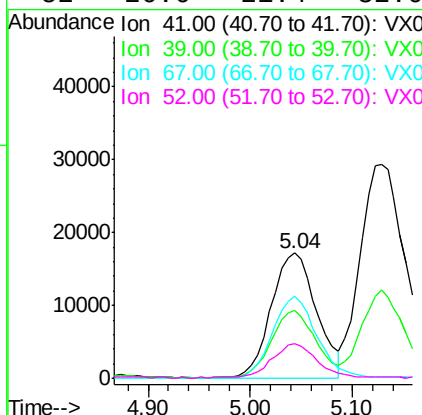
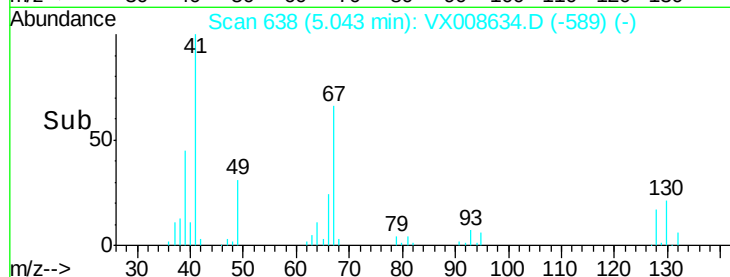
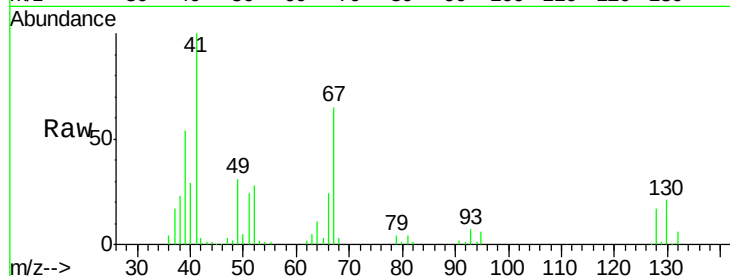
#41
Methacrylonitrile
Concen: 20.453 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion:	41	Resp:	53183
Ion Ratio	Lower	Upper	
41	100		
39	53.4	42.1	63.1
67	64.2	51.0	76.6
52	26.6	21.4	32.0

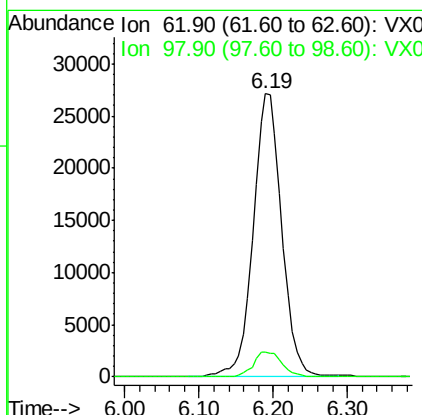
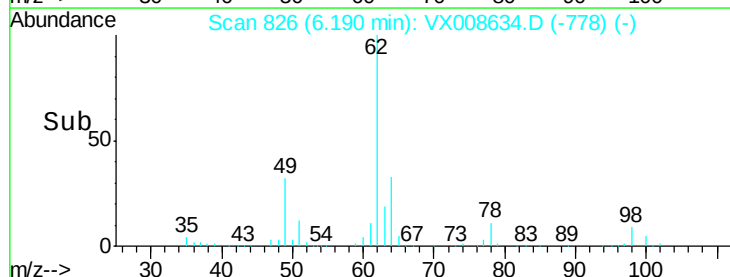
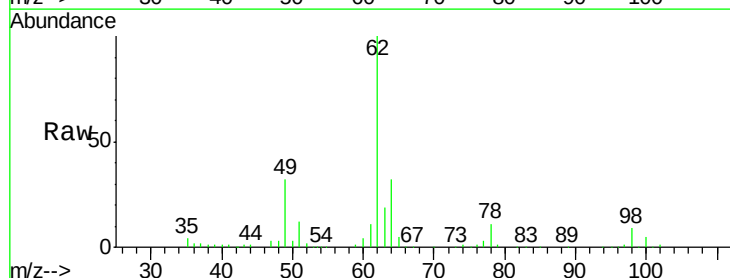
Manual Integrations
APPROVED

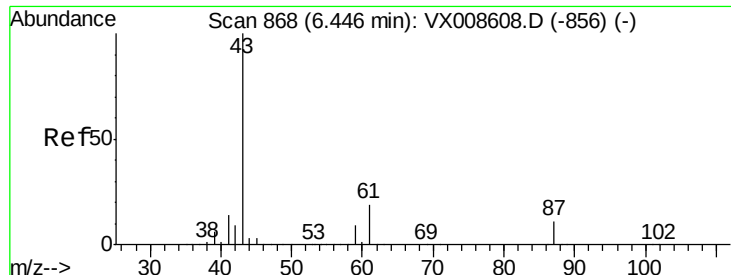
MMDadoda
4/5/2019 11:11:51 AM



#42
1,2-Dichloroethane
Concen: 20.158 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion:	62	Resp:	72963
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	18.0





#43

Isopropyl Acetate

Concen: 20.342 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

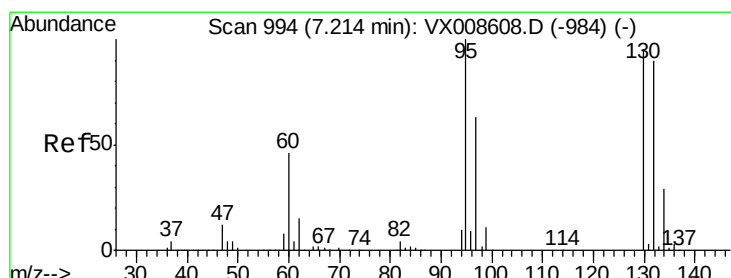
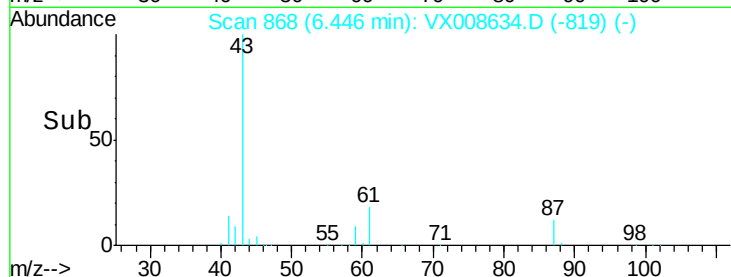
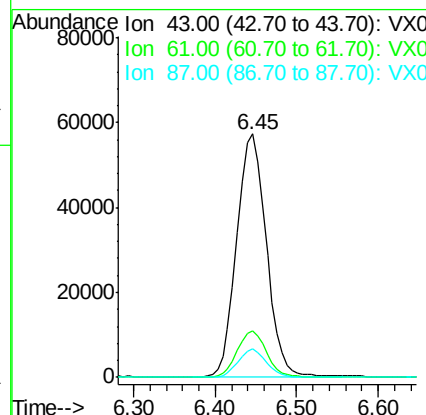
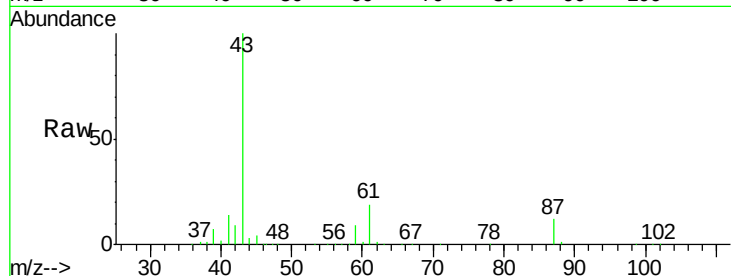
ClientSampleId :

VX0404WBSD01

Tot Ion:	43	Resp:	144152
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.3	22.9
87	11.2	9.0	13.6

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#44

Trichloroethene

Concen: 19.521 ug/l

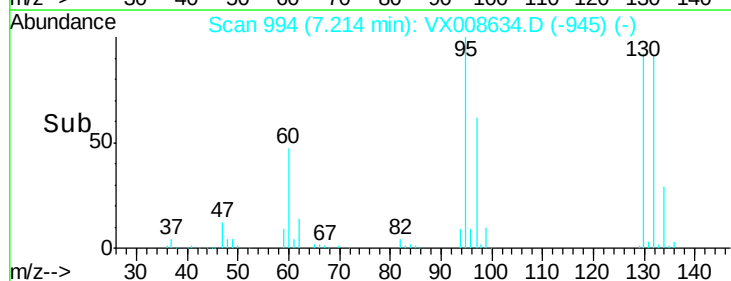
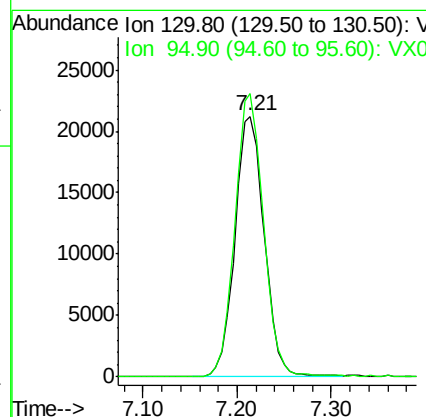
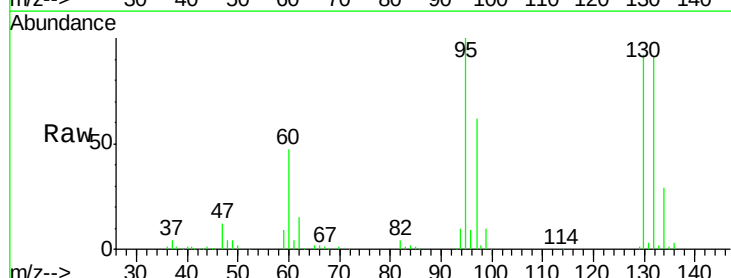
RT: 7.21 min Scan# 994

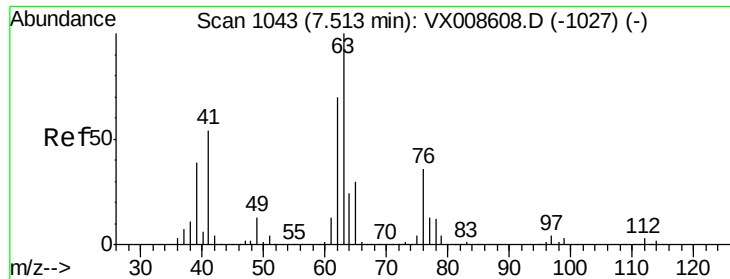
Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tgt Ion:	130	Resp:	45903
Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	209.8





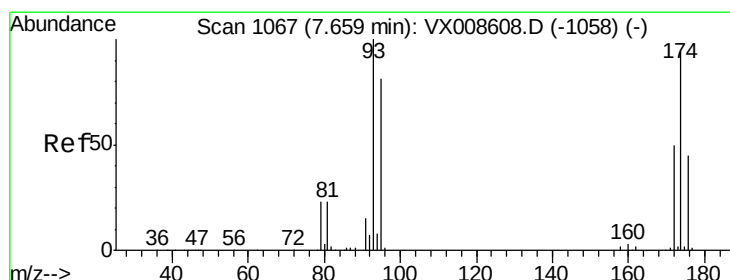
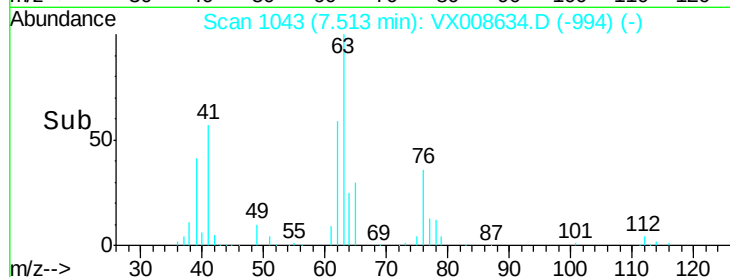
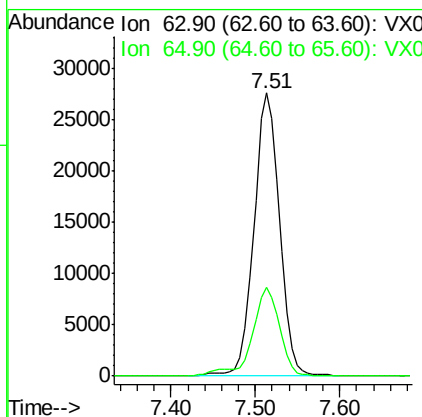
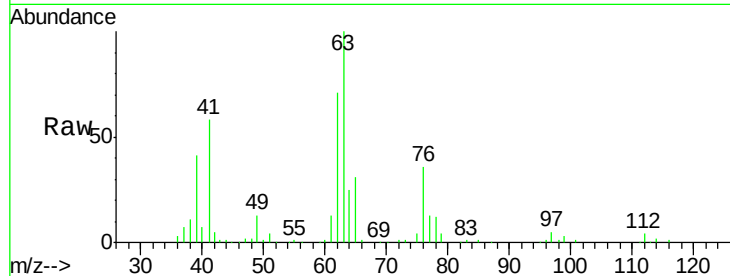
#45
 1,2-Dichloropropane
 Concen: 19.901 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD01

Tot Ion: 63 Resp: 57351
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.2 36.4

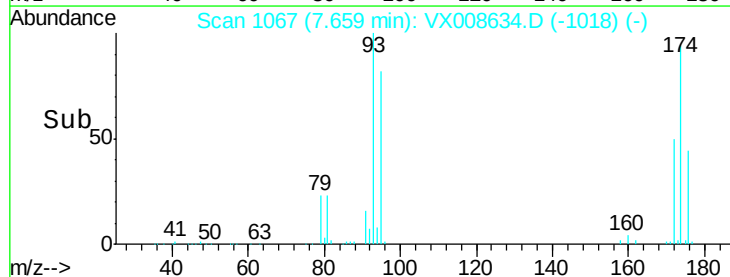
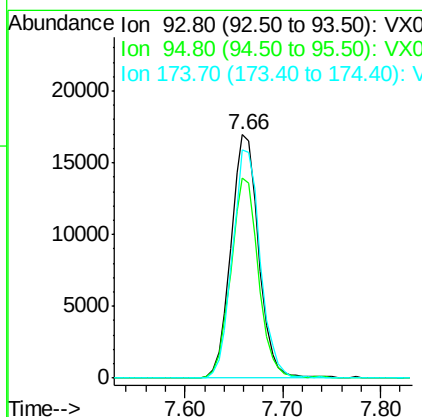
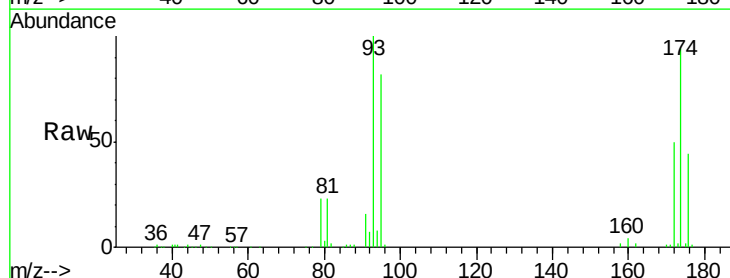
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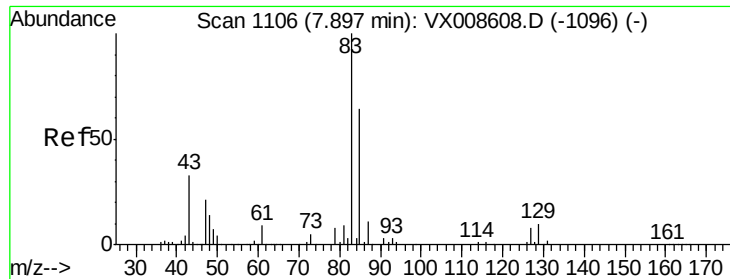
MMDadoda
 4/5/2019 11:11:51 AM



#46
 Dibromomethane
 Concen: 19.933 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Tgt Ion: 93 Resp: 33316
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.6 99.8
 174 94.3 77.7 116.5





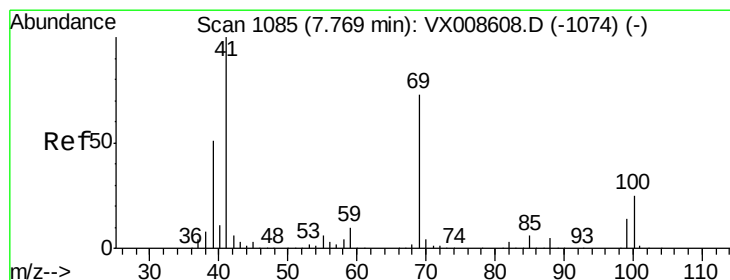
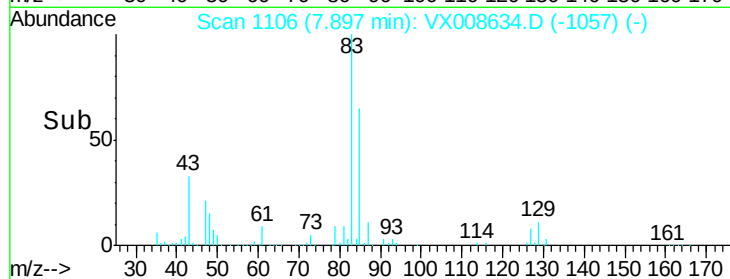
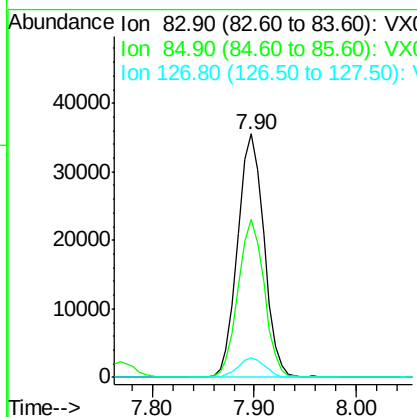
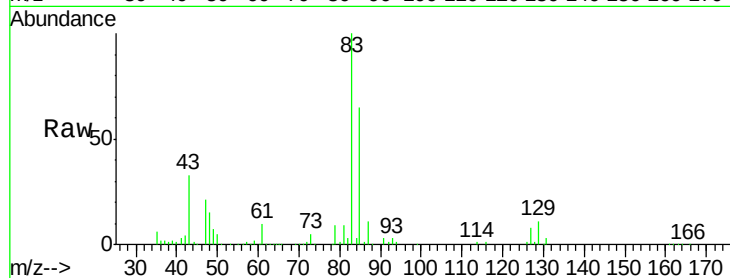
#47
Bromodichloromethane
Concen: 20.202 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion	83	Resp	63663
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.2	76.8
127	8.1	6.6	10.0

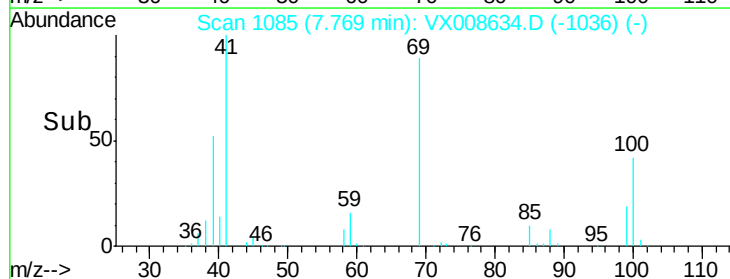
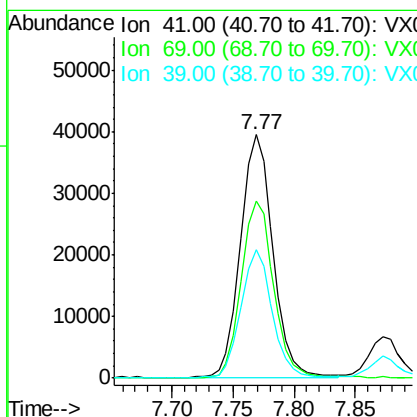
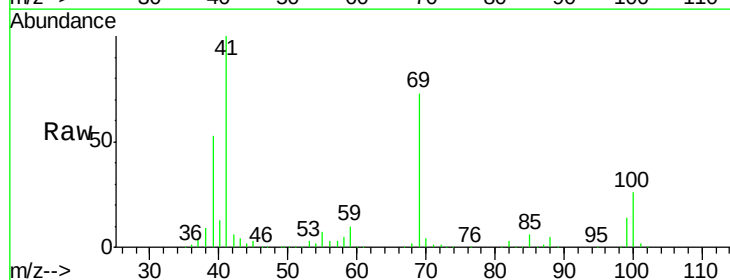
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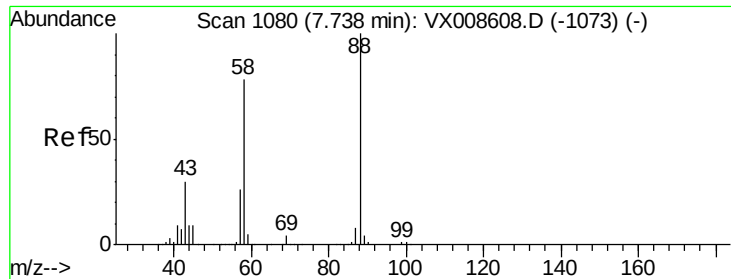
MMDadoda
4/5/2019 11:11:51 AM



#48
Methyl methacrylate
Concen: 20.286 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion	41	Resp	72718
Ion Ratio	100	Lower	Upper
41	100		
69	73.5	59.0	88.4
39	50.8	41.0	61.4





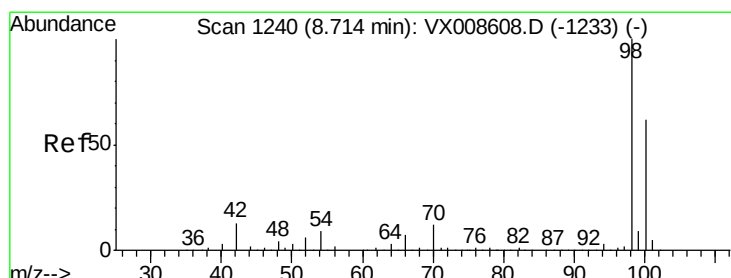
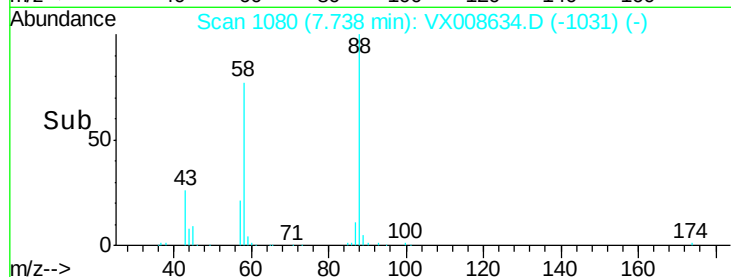
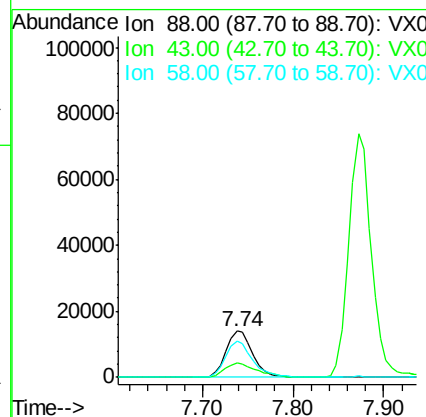
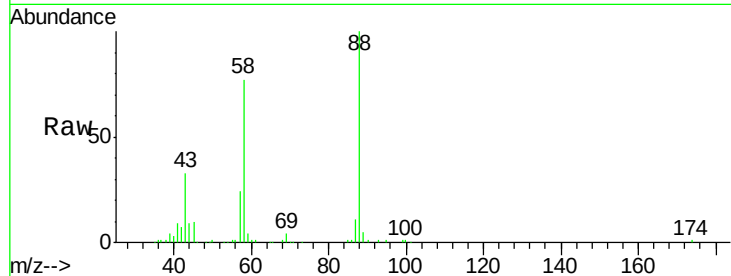
#49
1,4-Dioxane
Concen: 434.353 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	28.6	43.0
58	78.1	62.2	93.2

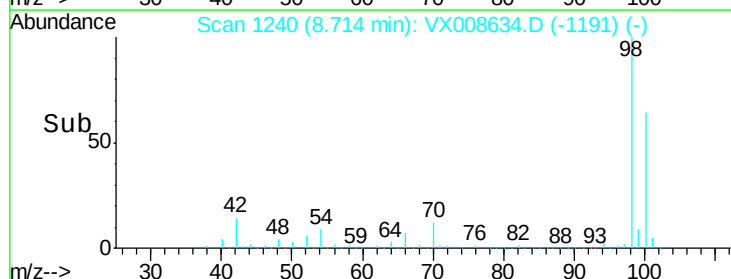
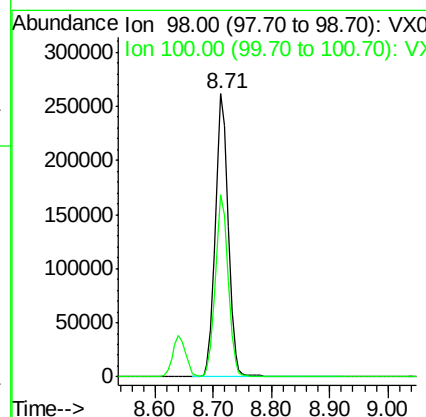
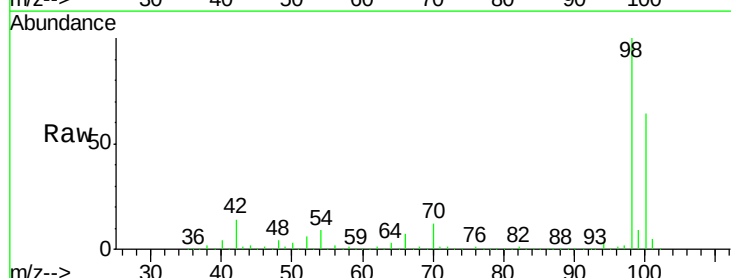
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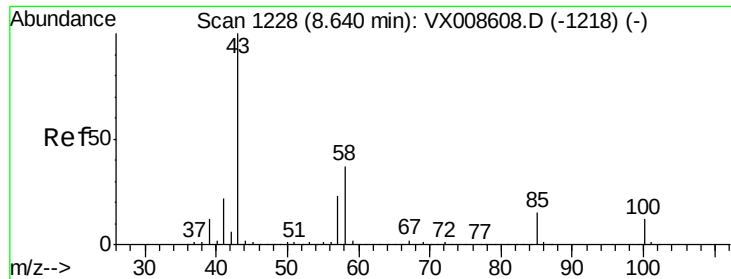
MMDadoda
4/5/2019 11:11:51 AM



#50
Toluene-d8
Concen: 51.479 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 106.544 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD01

Tot Ion: 43 Resp: 486027

Ion Ratio Lower Upper

43 100

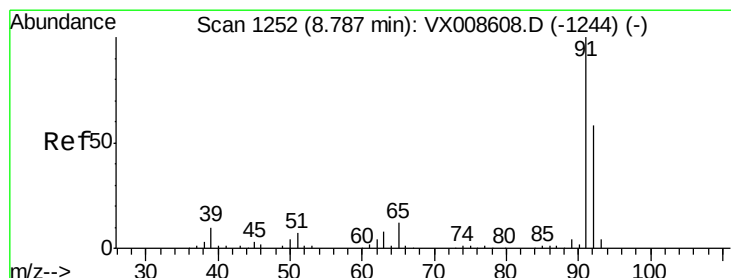
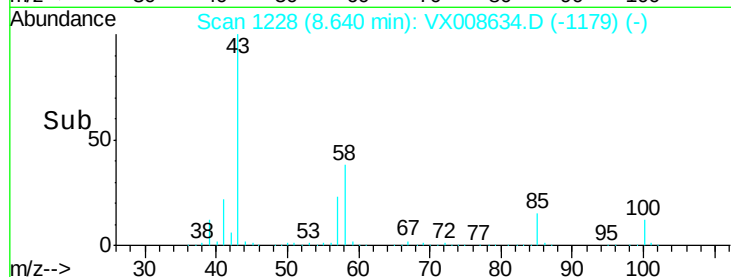
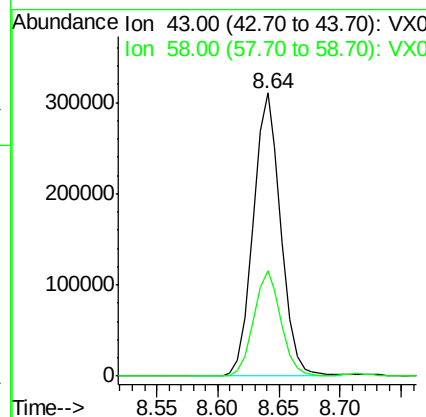
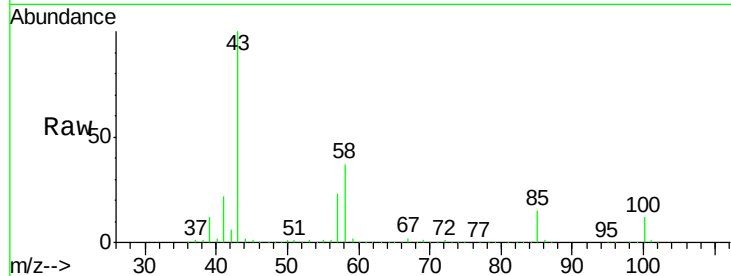
58 36.9 29.5 44.3

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 20.199 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008634.D

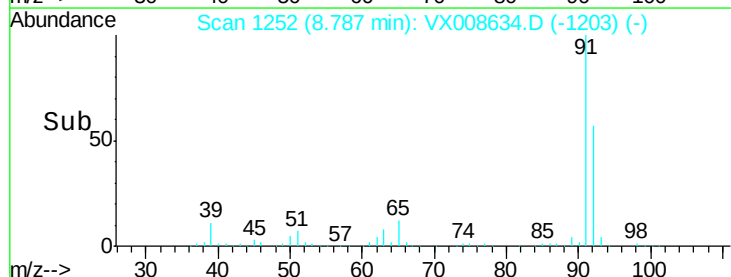
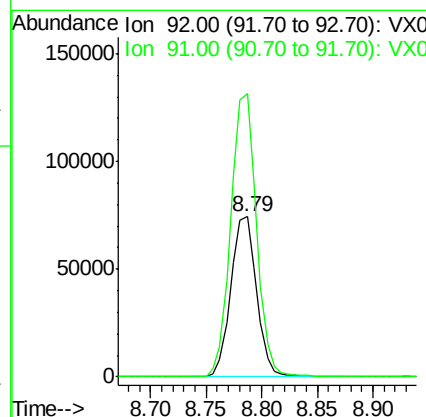
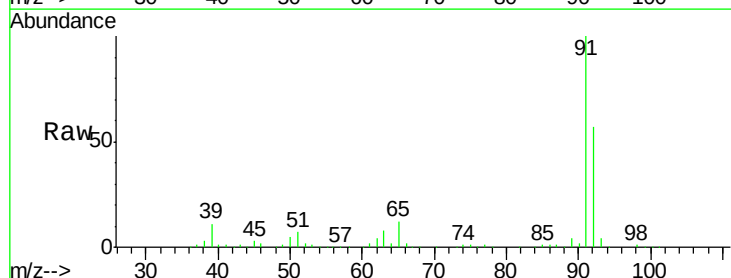
Acq: 04 Apr 2019 14:34

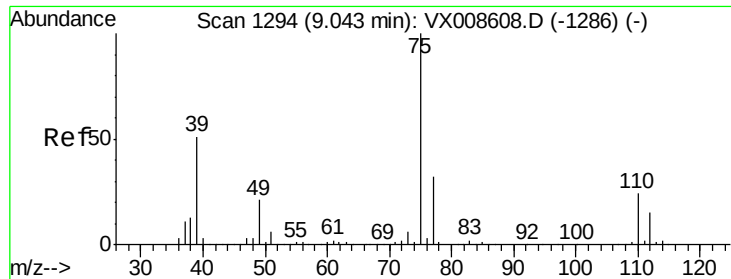
Tgt Ion: 92 Resp: 120231

Ion Ratio Lower Upper

92 100

91 176.0 138.5 207.7





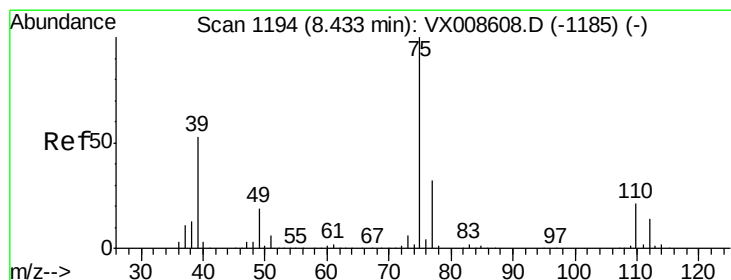
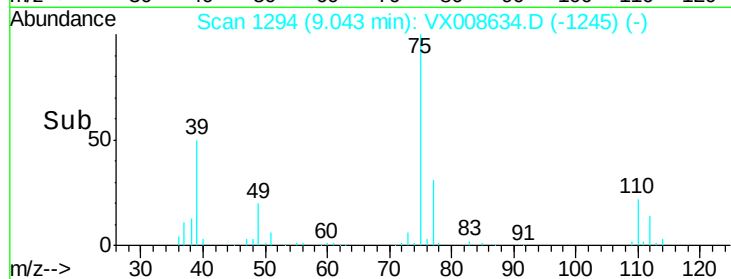
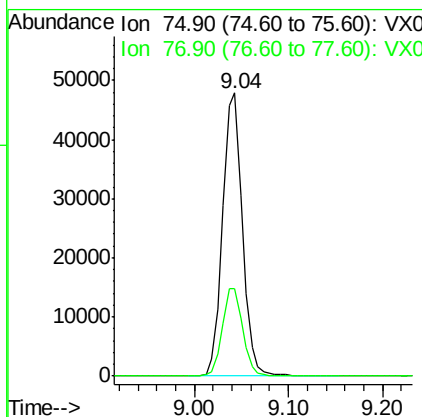
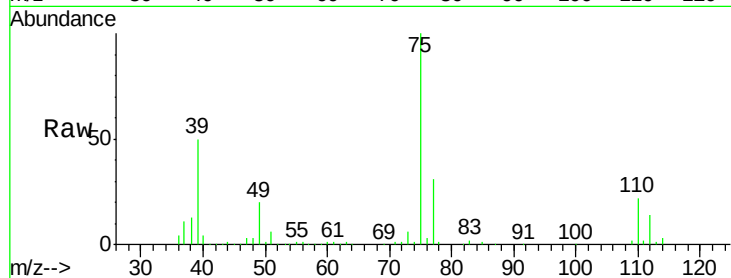
#53
 t-1,3-Dichloropropene
 Concen: 19.762 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0404WBSD01

Tot Ion: 75 Resp: 69760
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.2 37.8

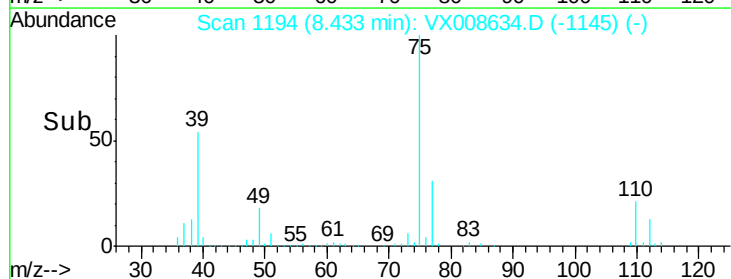
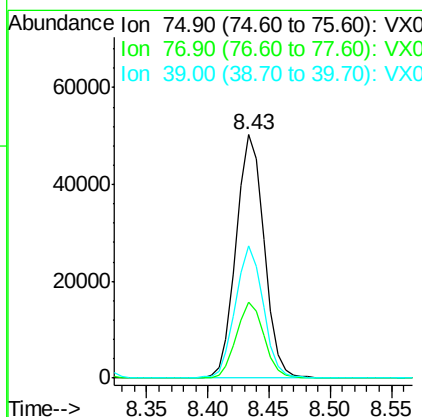
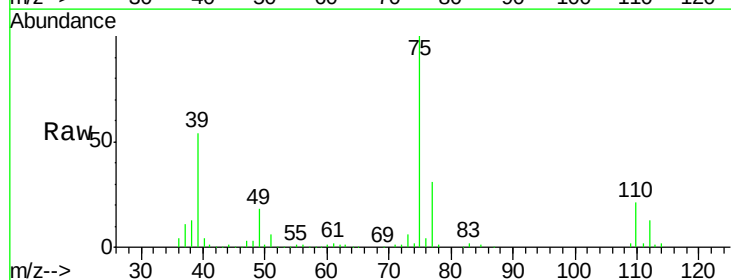
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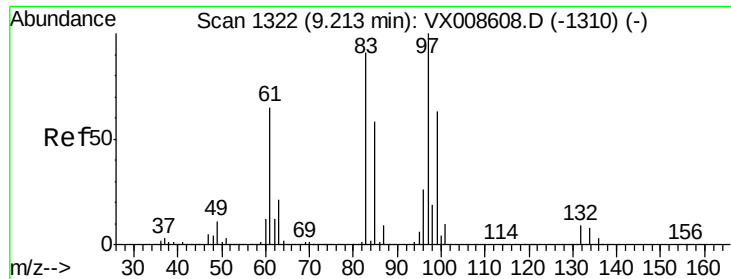
MMDadoda
 4/5/2019 11:11:51 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.809 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Tgt Ion: 75 Resp: 79901
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.3 37.9
 39 54.1 42.6 63.8





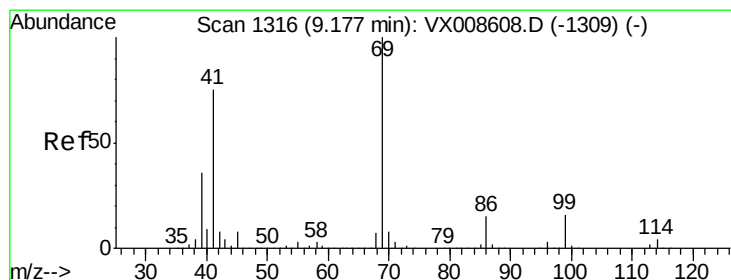
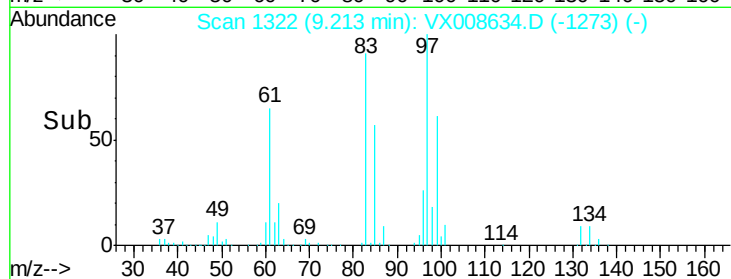
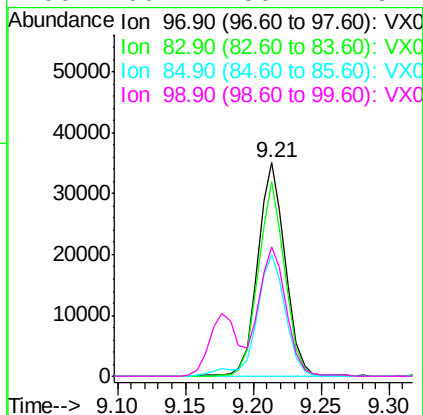
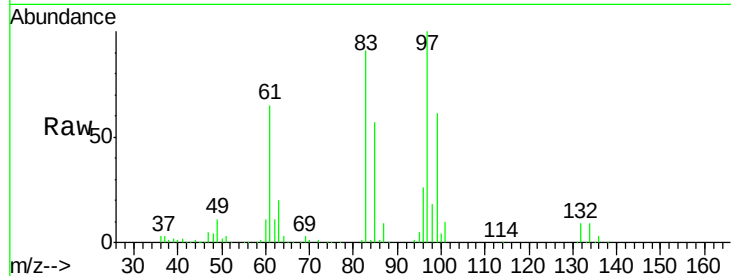
#55
 1,1,2-Trichloroethane
 Concen: 20.849 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD01

Tot Ion:	97	Resp:	49816
Ion	Ratio	Lower	Upper
97	100		
83	91.3	73.2	109.8
85	57.1	46.6	69.8
99	60.2	50.1	75.1

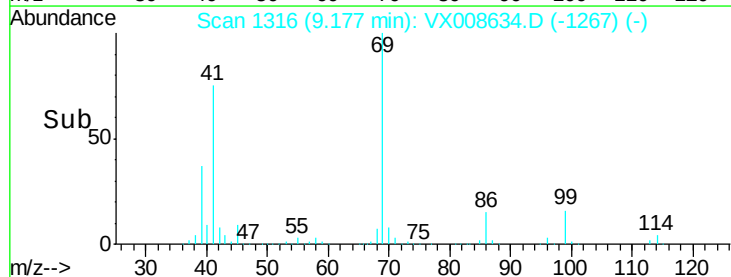
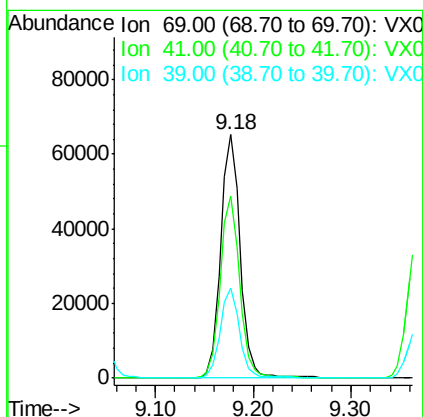
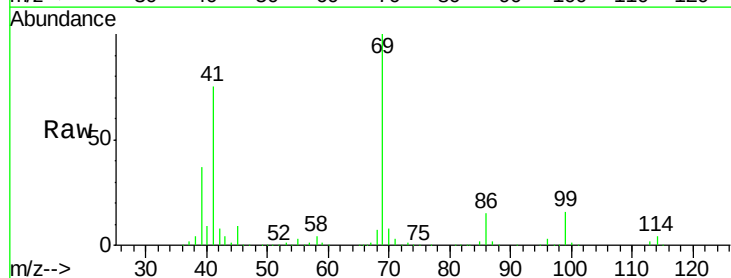
Manual Integrations
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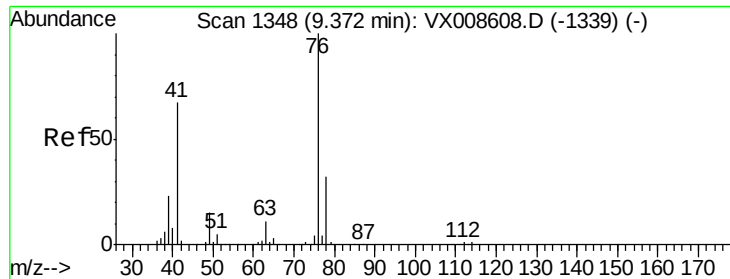
MMDadoda
 4/5/2019 11:11:51 AM



#56
 Ethyl methacrylate
 Concen: 20.952 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Tgt Ion:	69	Resp:	90578
Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.1	90.1
39	36.5	28.9	43.3





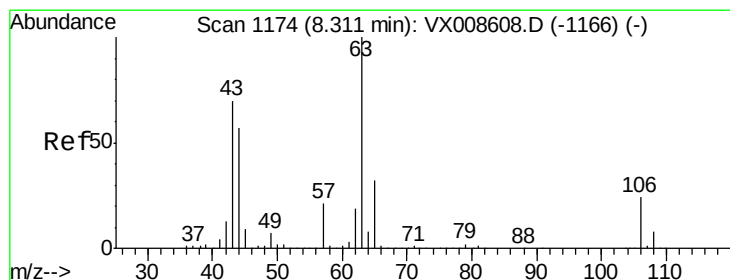
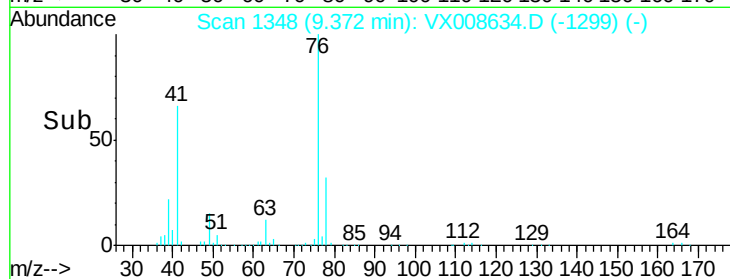
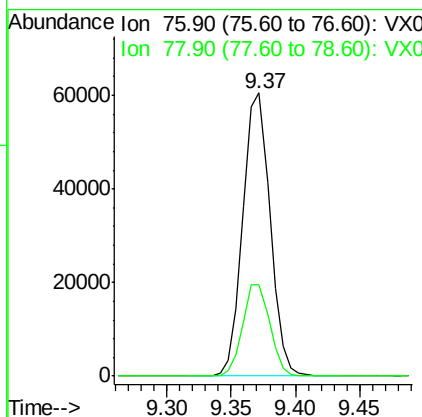
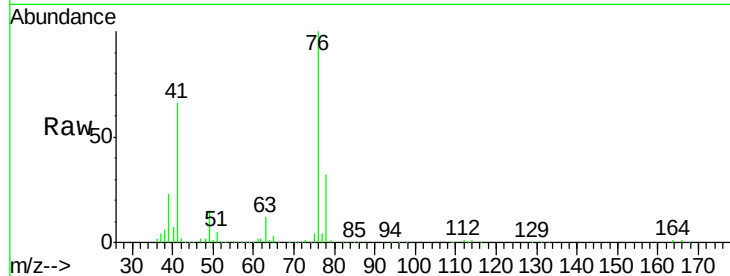
#57
 1,3-Dichloropropane
 Concen: 20.687 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampled :
 VX0404WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.6	38.4

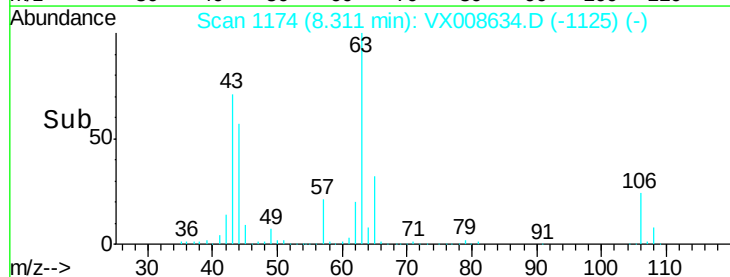
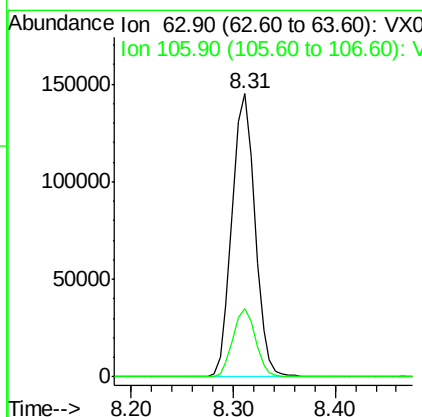
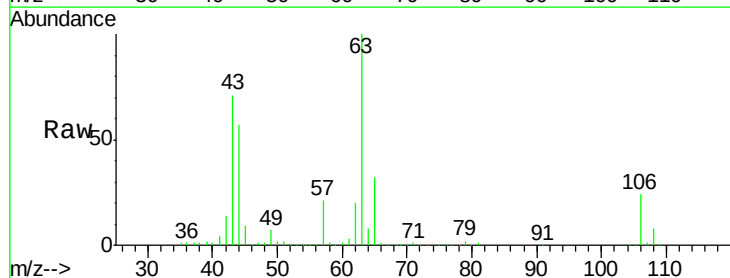
Manual Integrations
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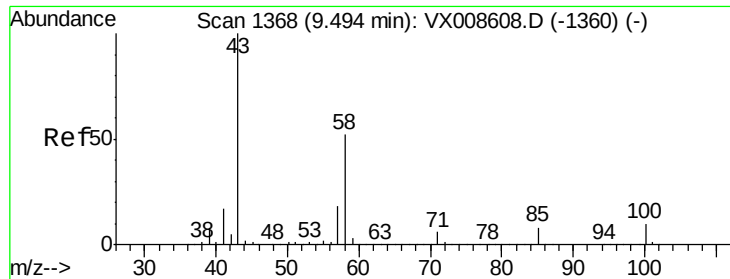
MMDadoda
 4/5/2019 11:11:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.318 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.7	19.0	28.6





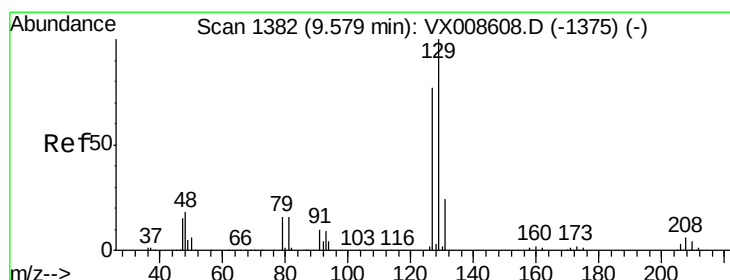
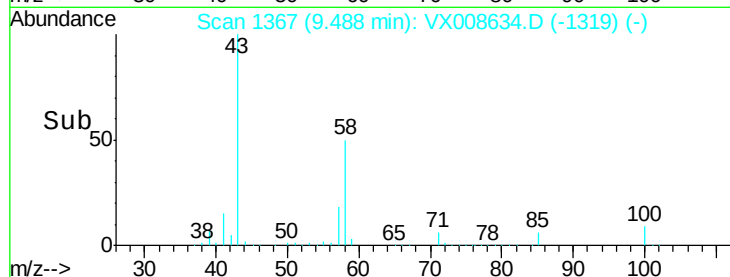
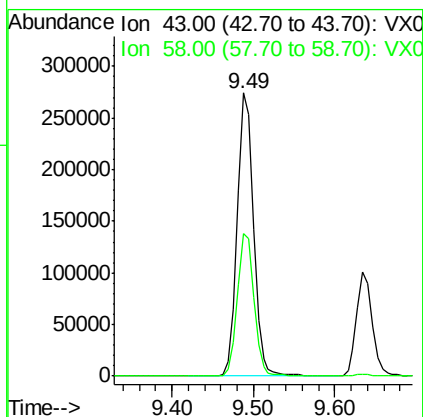
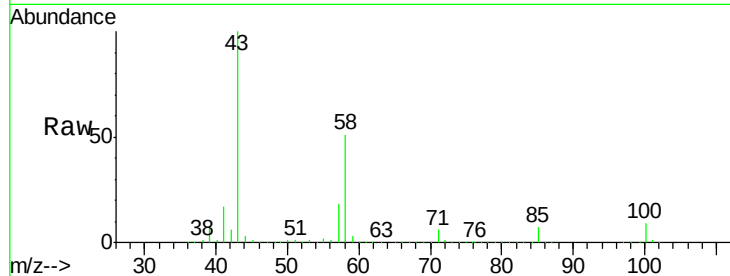
#59
2-Hexanone
Concen: 105.827 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion: 43 Resp: 375173
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7

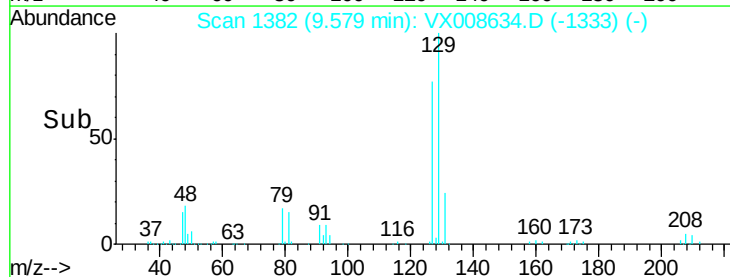
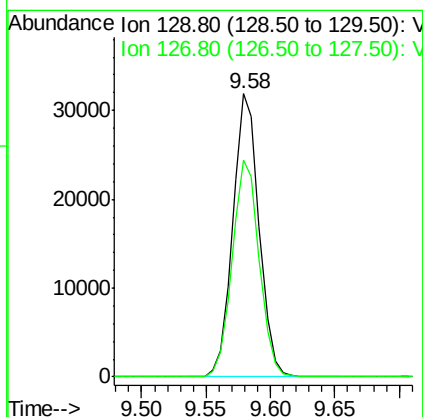
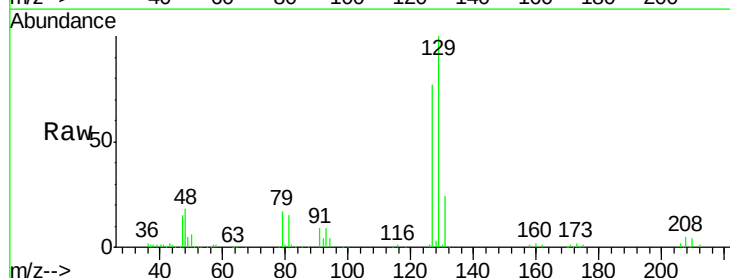
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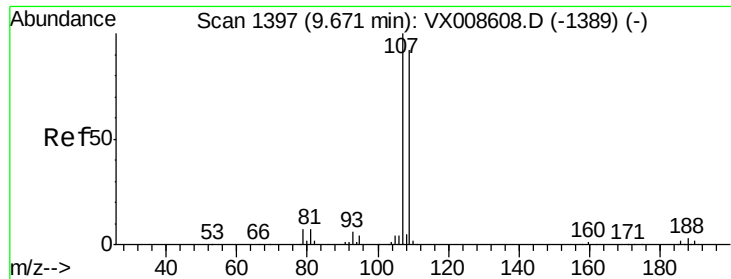
MMDadoda
4/5/2019 11:11:51 AM



#60
Dibromochloromethane
Concen: 20.103 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion: 129 Resp: 45262
Ion Ratio Lower Upper
129 100
127 78.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.234 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD01

Tot Ion:107 Resp: 50329

Ion Ratio Lower Upper

107 100

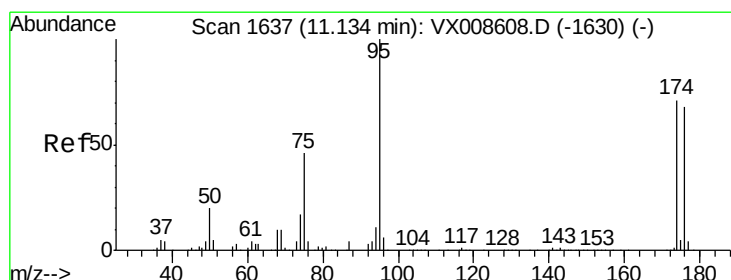
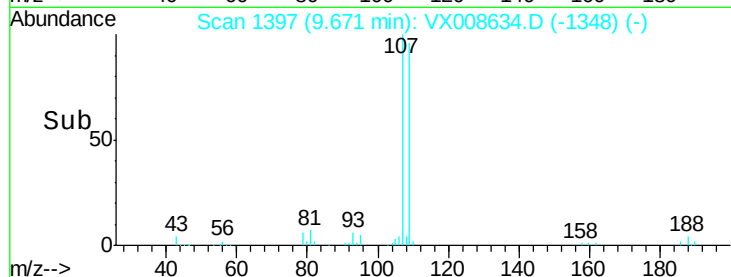
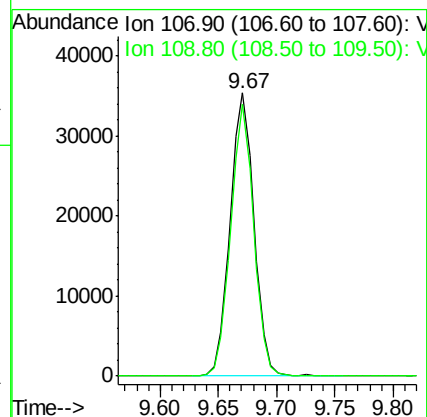
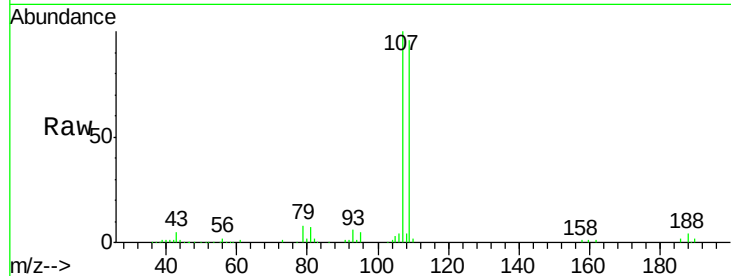
109 93.0 74.1 111.1

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#62

4-Bromofluorobenzene

Concen: 51.651 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

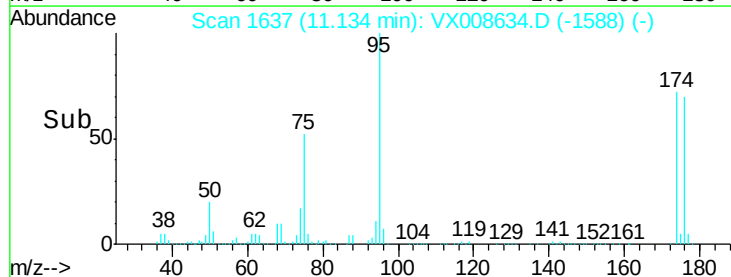
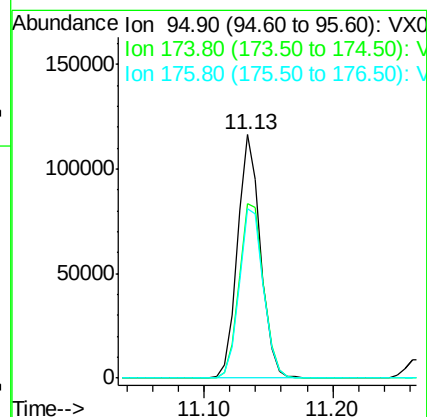
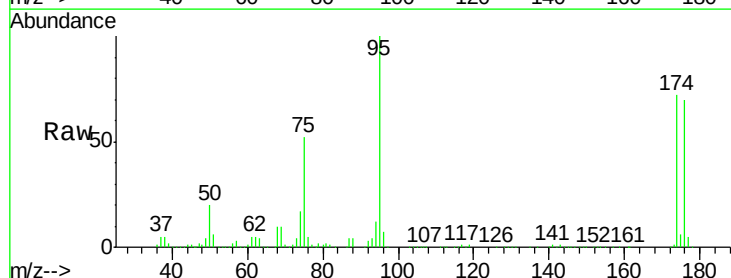
Tgt Ion: 95 Resp: 144568

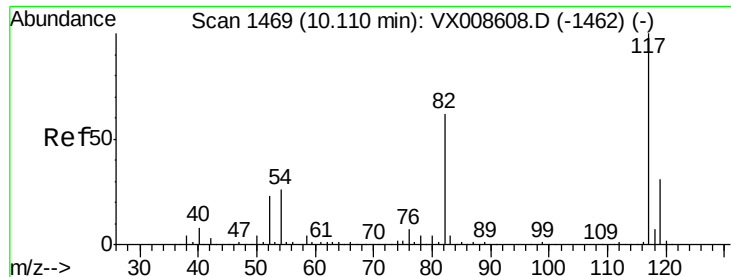
Ion Ratio Lower Upper

95 100

174 76.1 0.0 151.8

176 73.3 0.0 145.8





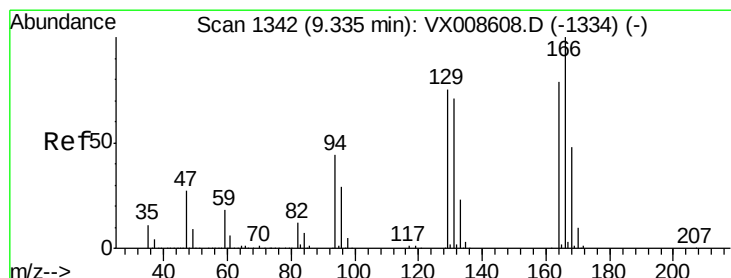
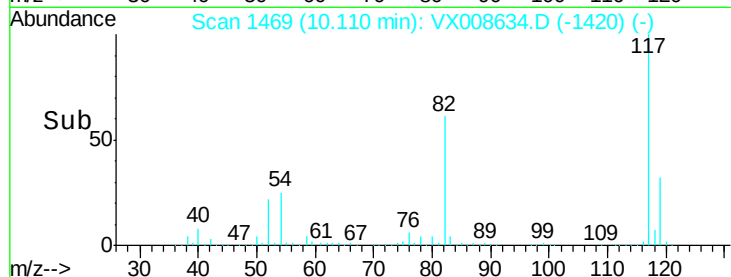
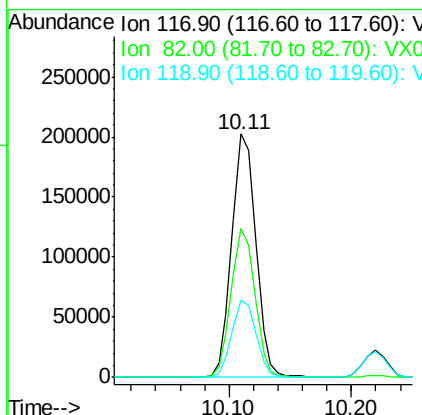
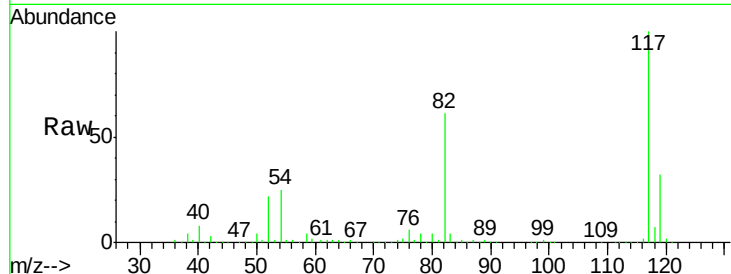
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampled :
VX0404WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.6	74.4
119	31.6	25.0	37.4

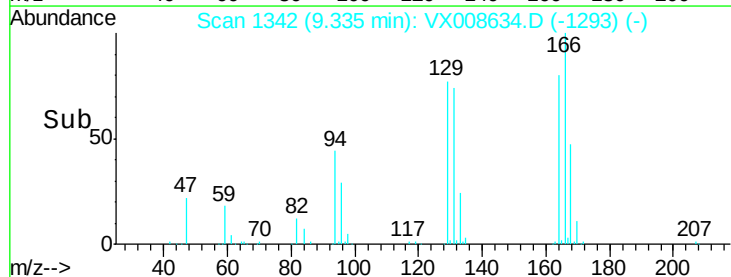
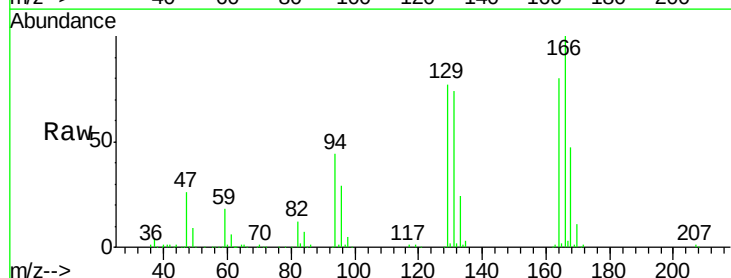
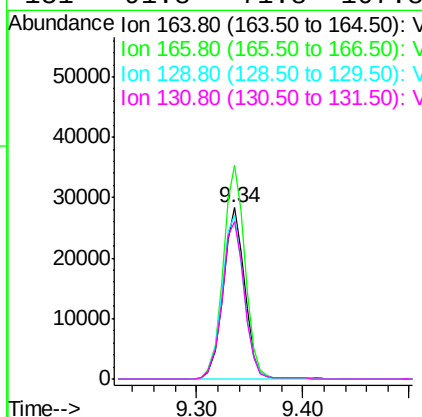
Manual Integrations
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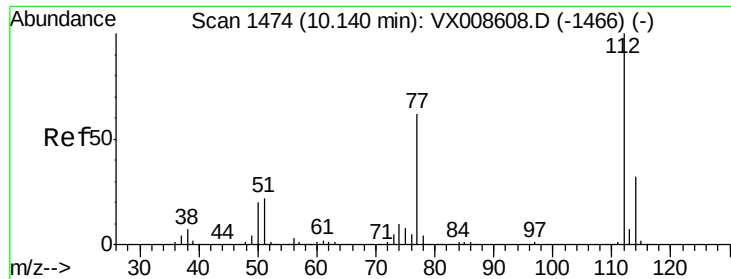
MMDadoda
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#64
Tetrachloroethene
Concen: 19.537 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	101.0	151.6
129	95.5	75.8	113.8
131	91.8	71.8	107.8





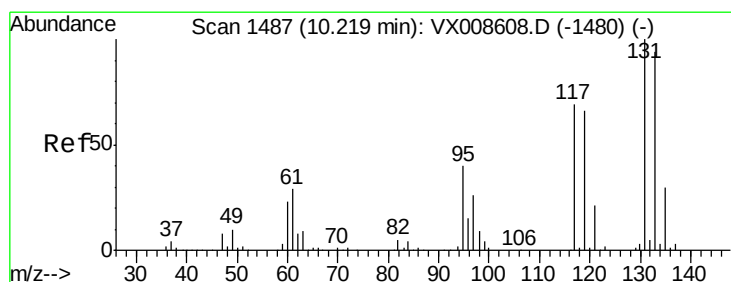
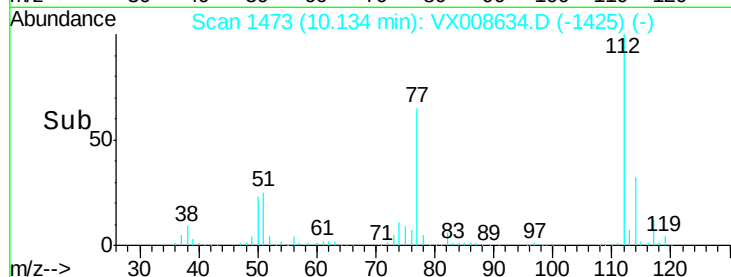
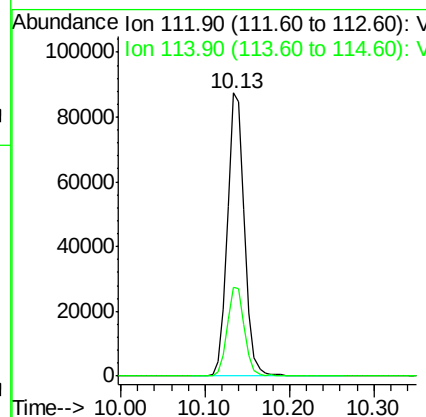
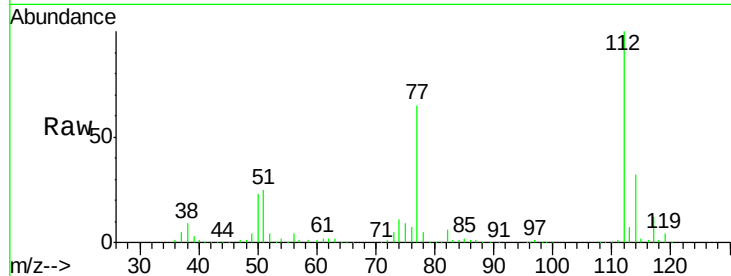
#65
Chlorobenzene
Concen: 19.884 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion:112 Resp: 121869
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8

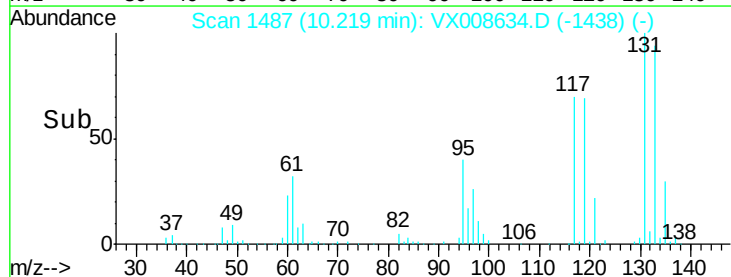
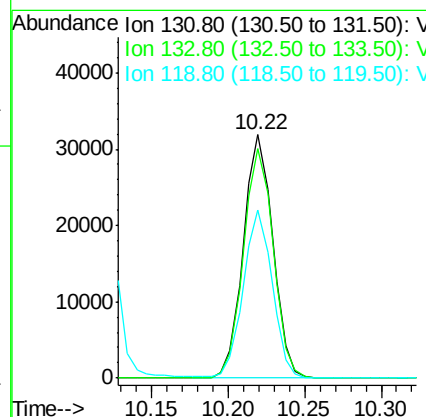
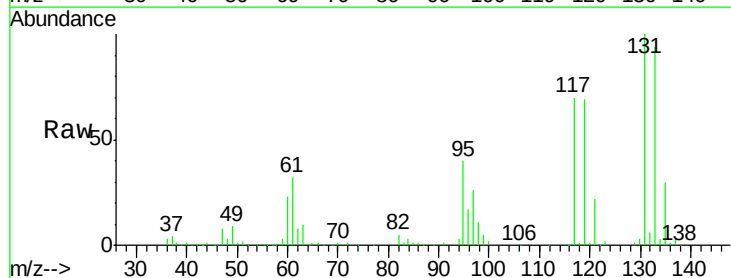
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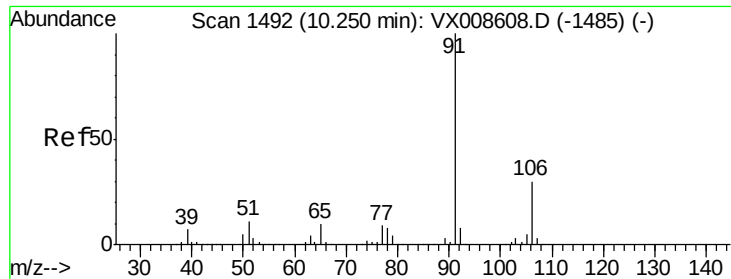
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.830 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion:131 Resp: 42638
Ion Ratio Lower Upper
131 100
133 95.5 47.0 141.2
119 68.4 33.7 101.0





#67

Ethyl Benzene

Concen: 20.000 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD01

Tot Ion: 91 Resp: 228572

Ion Ratio Lower Upper

91 100

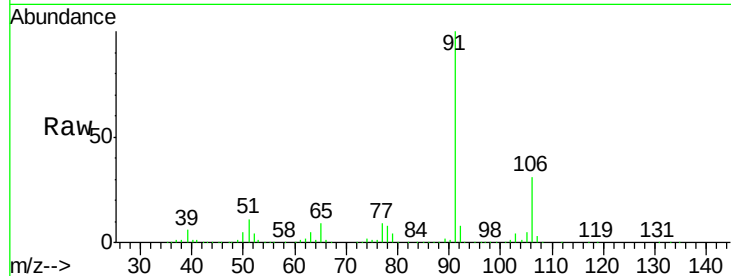
106 30.7 23.7 35.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008608.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX008608.D (-1485) (-)

250000

200000

150000

100000

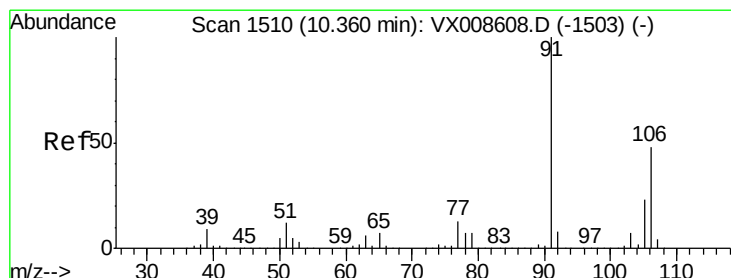
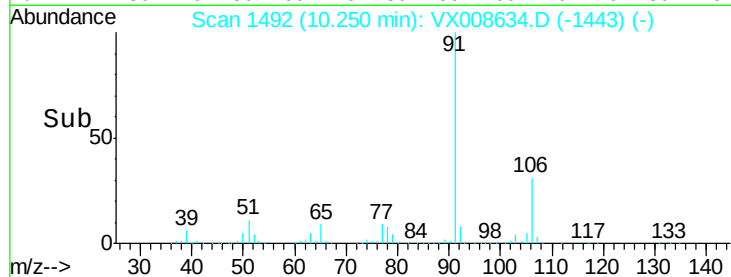
50000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 39.946 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008634.D

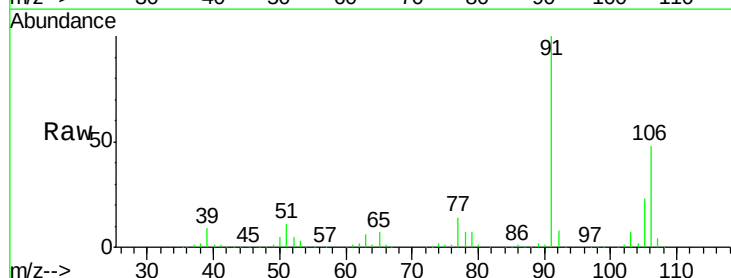
Acq: 04 Apr 2019 14:34

Tgt Ion: 106 Resp: 164149

Ion Ratio Lower Upper

106 100

91 210.9 168.5 252.7



Abundance Ion 106.00 (105.70 to 106.70): VX008608.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX008608.D (-1503) (-)

250000

200000

150000

100000

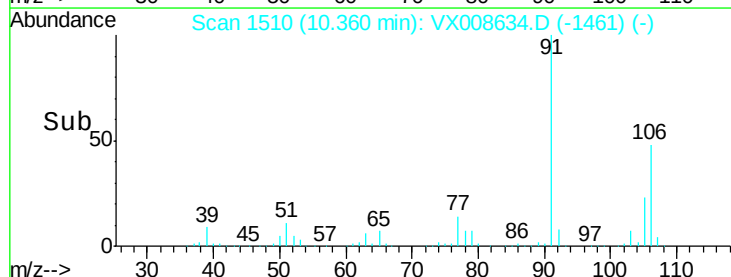
50000

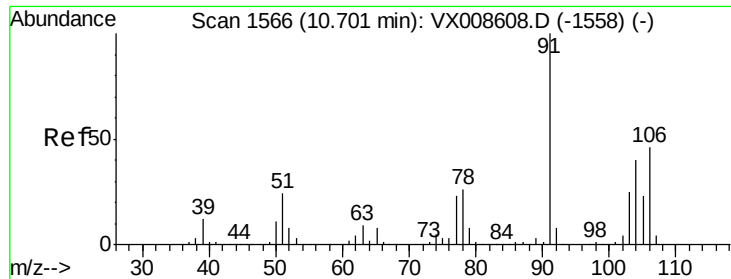
0

10.30

10.40

Time-->





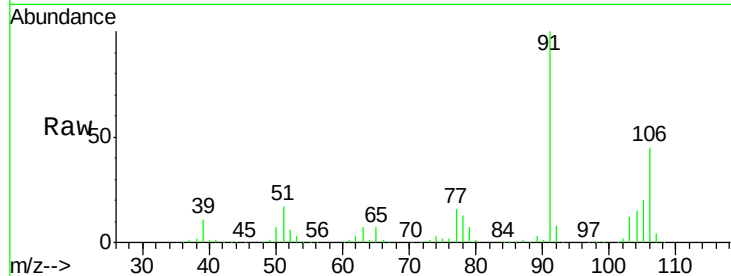
#69
o-Xylene
Concen: 20.384 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

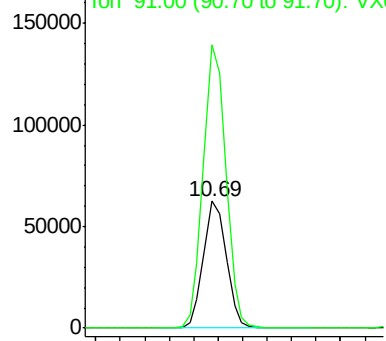
Tot Ion:106 Resp: 81175
Ion Ratio Lower Upper
106 100
91 220.7 111.5 334.4

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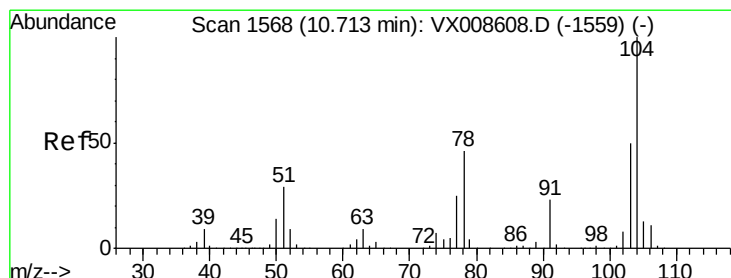
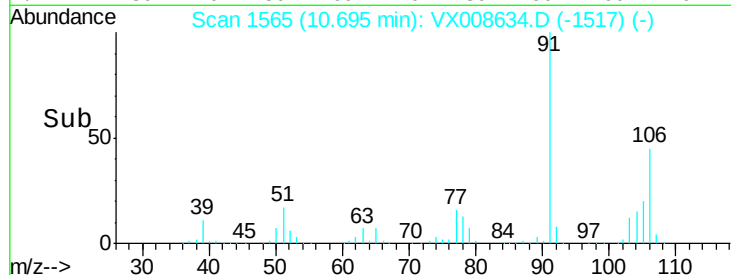
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

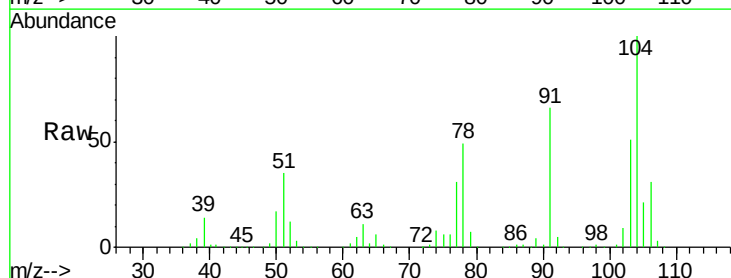


Time--> 10.60 10.70 10.80

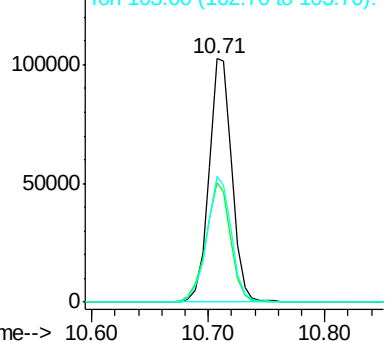


#70
Styrene
Concen: 20.394 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

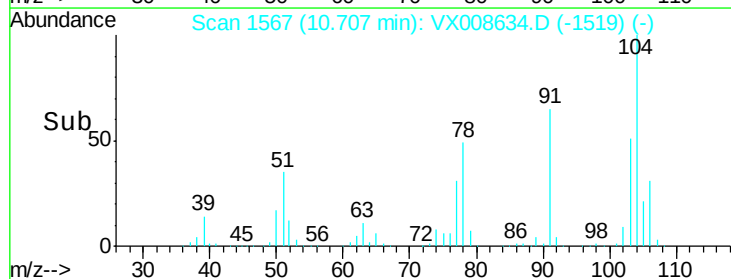
Tgt Ion:104 Resp: 139995
Ion Ratio Lower Upper
104 100
78 52.9 42.3 63.5
103 55.2 44.4 66.6

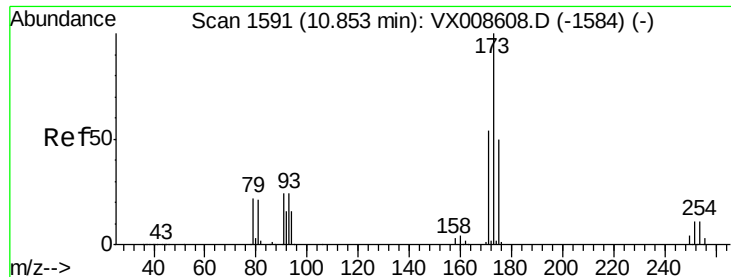


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80





#71

Bromoform

Concen: 19.915 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD01

Tot Ion:173 Resp: 32704

Ion Ratio Lower Upper

173 100

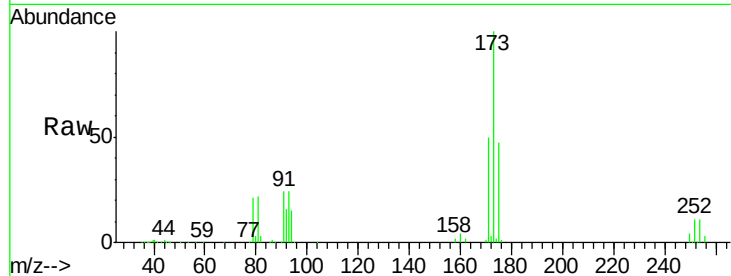
175 48.1 24.9 74.6

254 0.0 0.1 0.1#

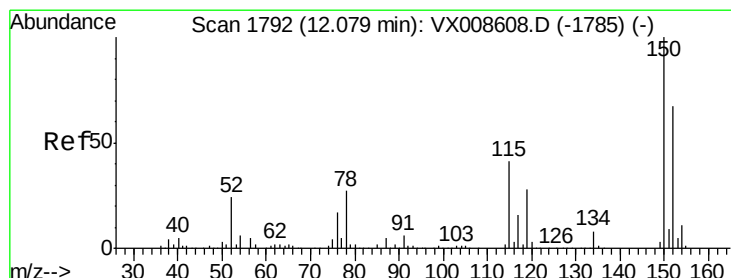
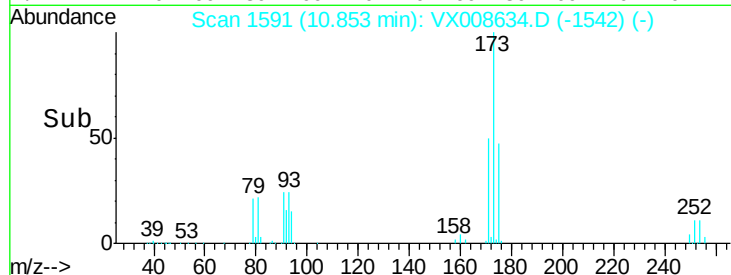
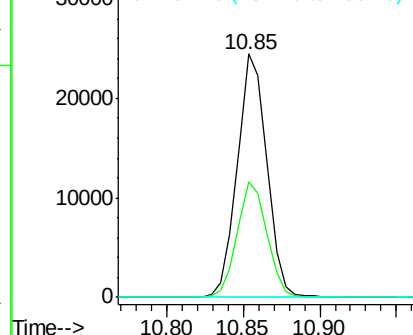
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

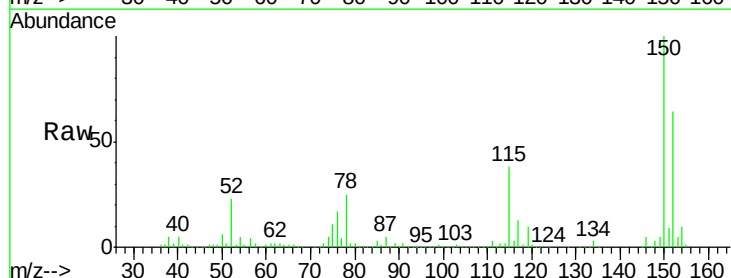
Tgt Ion:152 Resp: 125625

Ion Ratio Lower Upper

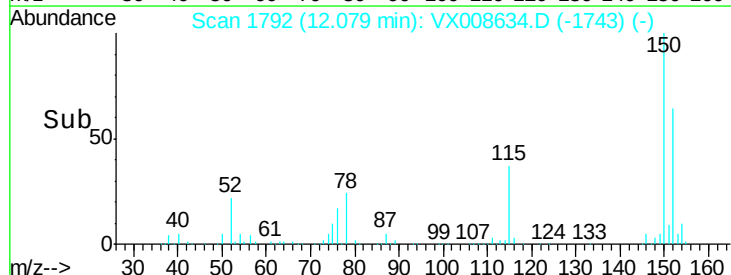
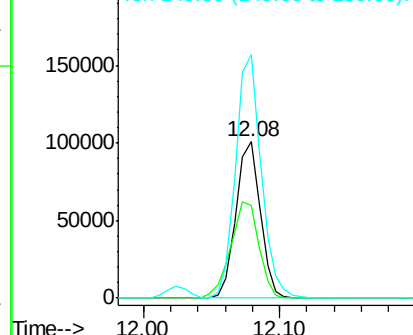
152 100

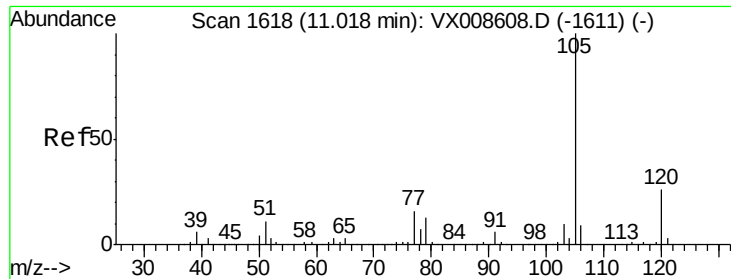
115 71.3 43.5 130.5

150 163.9 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.504 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD01

Tot Ion: 105 Resp: 213469

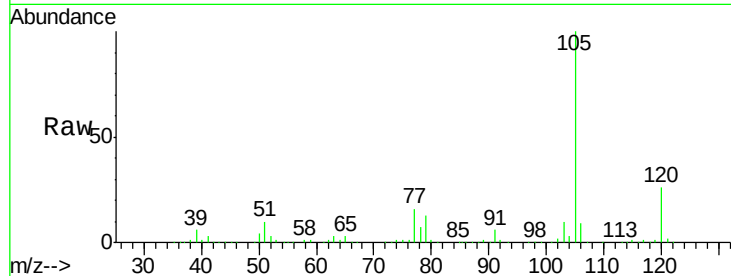
Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

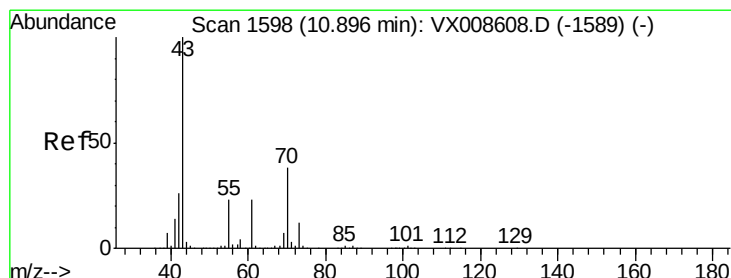
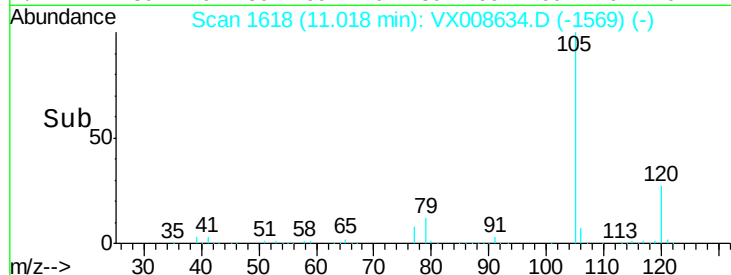
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 20.485 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tgt Ion: 43 Resp: 125476

Ion Ratio Lower Upper

43 100

70 37.7 30.2 45.4

55 23.7 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

150000

100000

50000

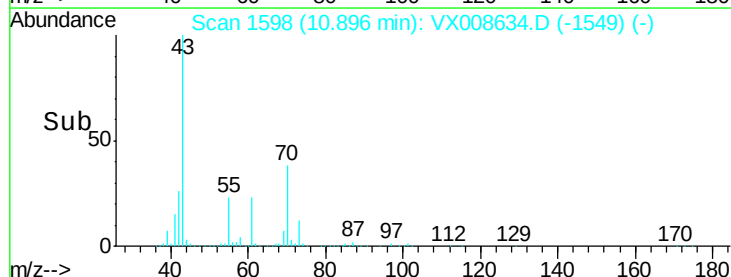
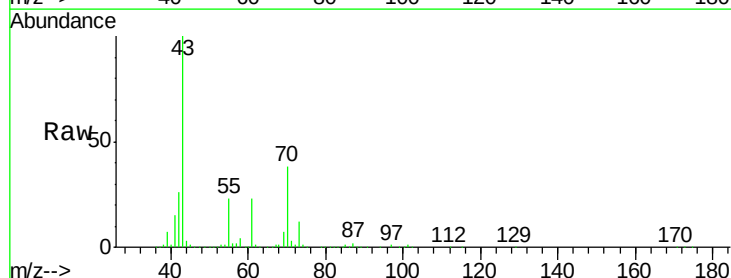
0

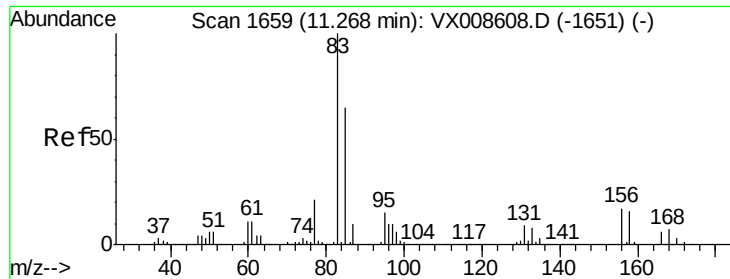
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.843 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

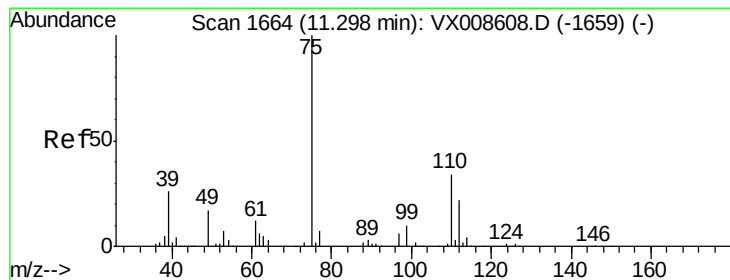
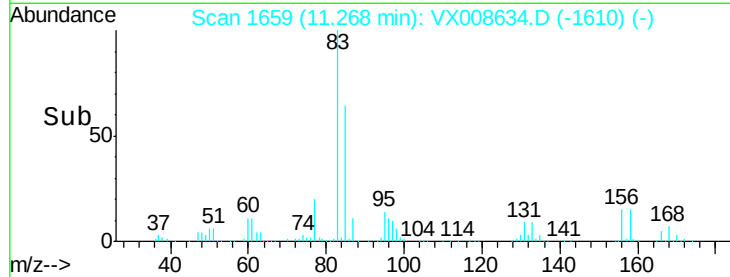
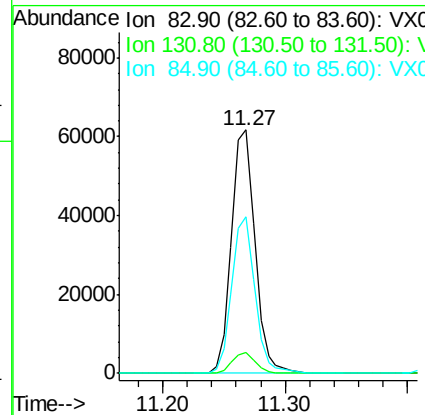
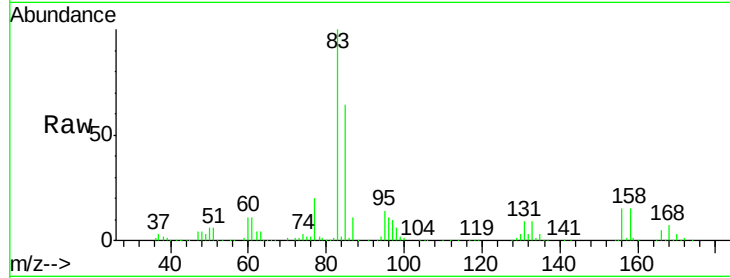
ClientSampleId :

VX0404WBSD01

Tot Ion:	83	Resp:	82528
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.5	13.7
85	63.3	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.570 ug/l m

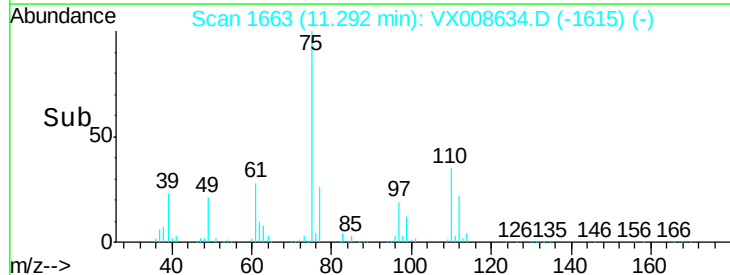
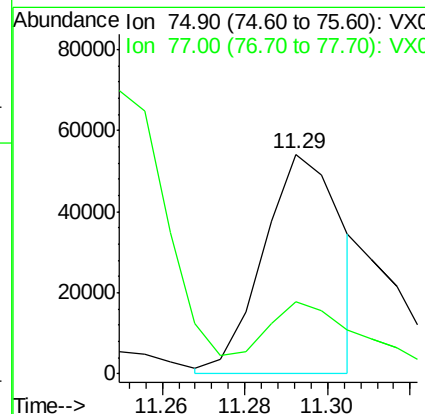
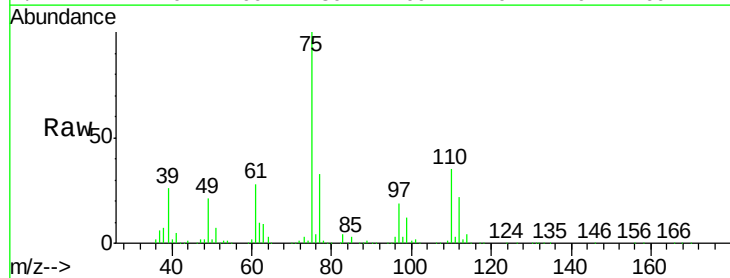
RT: 11.29 min Scan# 1663

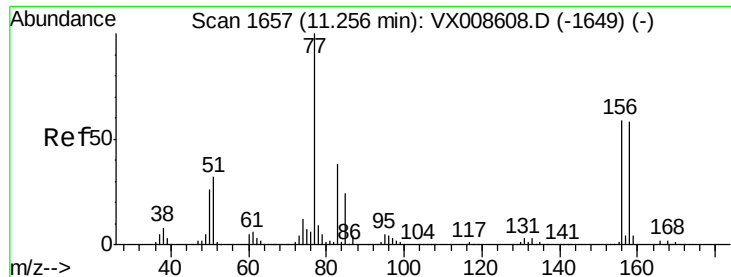
Delta R.T. -0.01 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tgt Ion:	75	Resp:	70987
Ion Ratio	Lower	Upper	
75	100		
77	42.2	22.3	66.8





#77

Bromobenzene

Concen: 20.292 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD01

Tot Ion:156 Resp: 50786

Ion Ratio Lower Upper

156 100

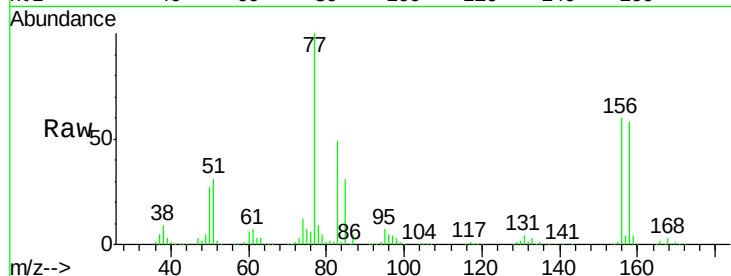
77 180.0 89.8 269.6

158 96.7 48.6 145.9

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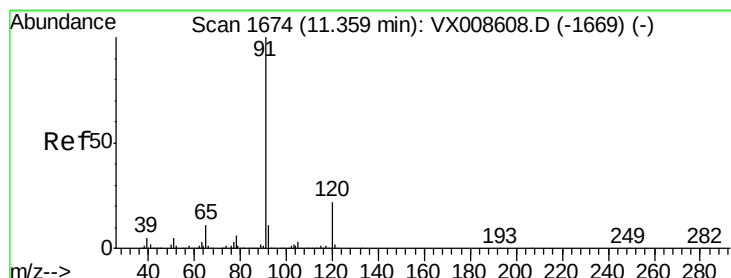
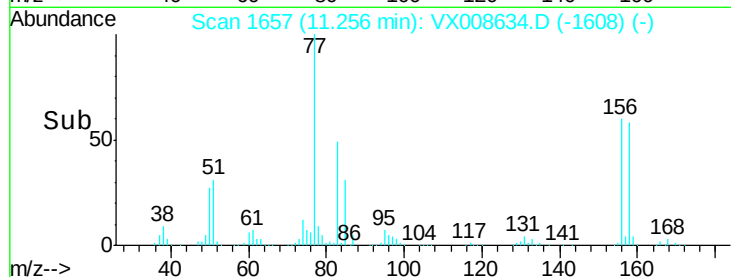
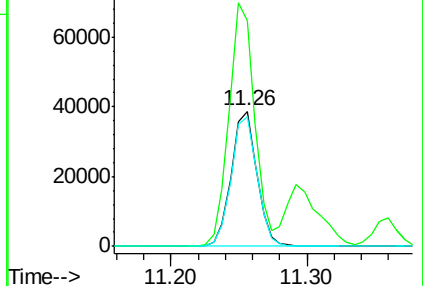
4/5/2019 11:11:51 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.114 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008634.D

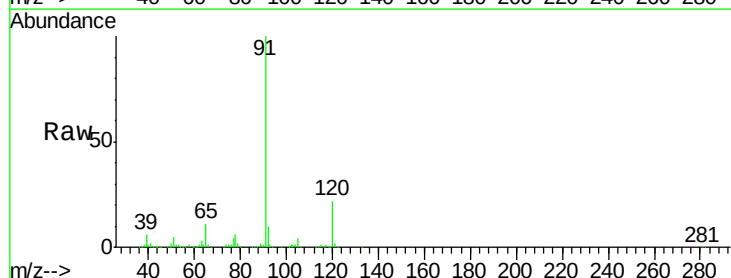
Acq: 04 Apr 2019 14:34

Tgt Ion: 91 Resp: 243828

Ion Ratio Lower Upper

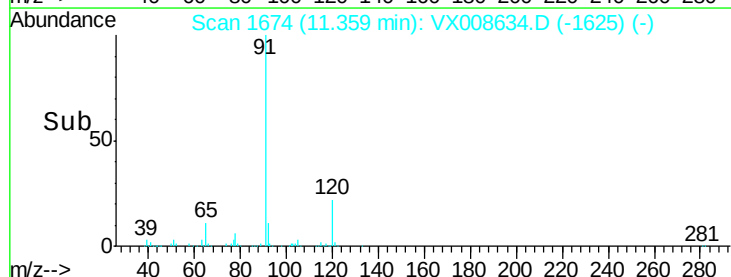
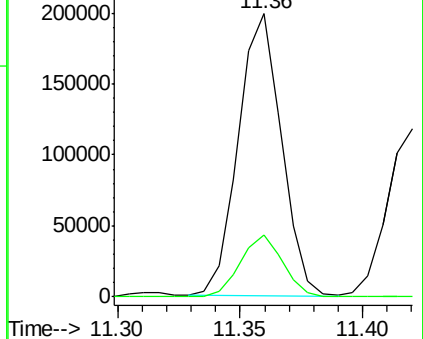
91 100

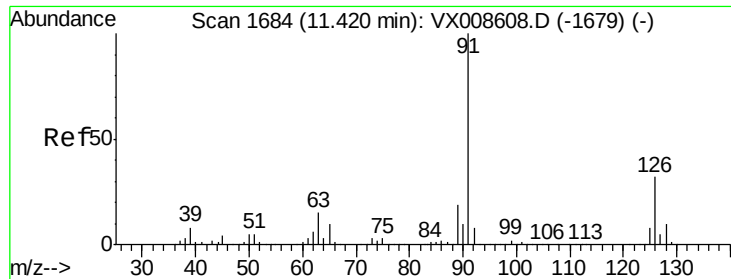
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.298 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD01

Tot Ion: 91 Resp: 148905

Ion Ratio Lower Upper

91 100

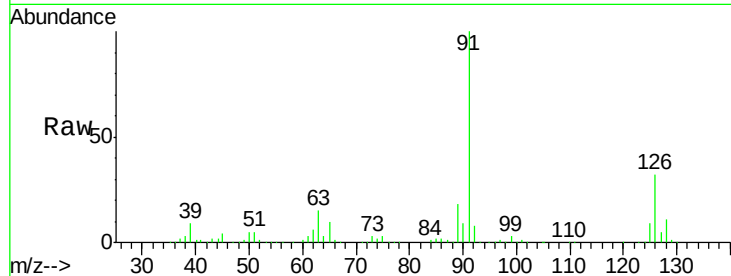
126 32.3 16.1 48.3

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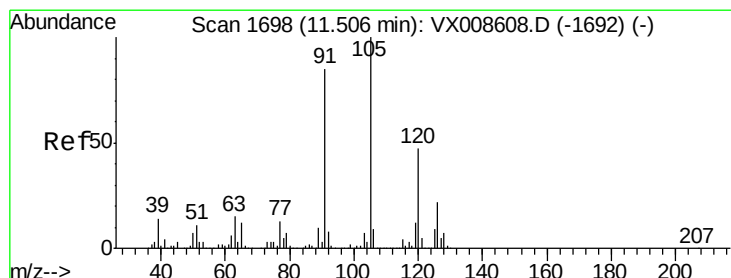
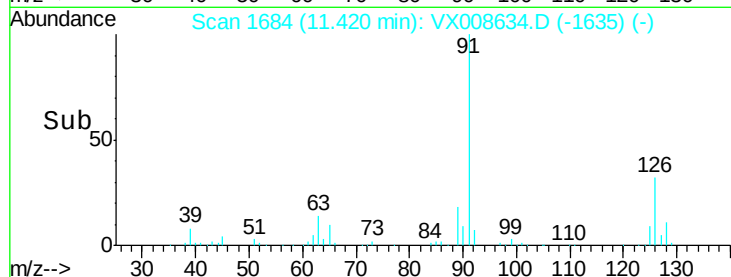
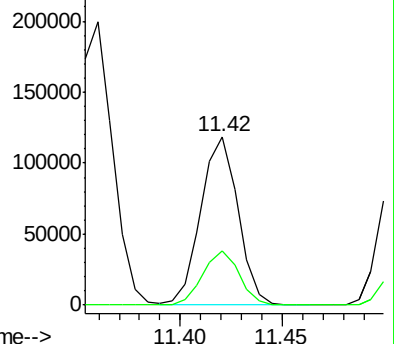
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Abundance Ion 91.00 (90.70 to 91.70): VX008608.D (-1679) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 20.617 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008634.D

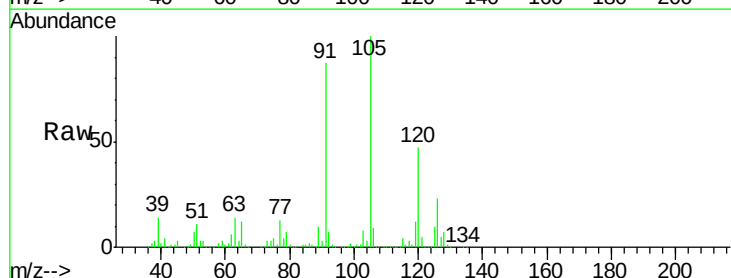
Acq: 04 Apr 2019 14:34

Tgt Ion: 105 Resp: 180177

Ion Ratio Lower Upper

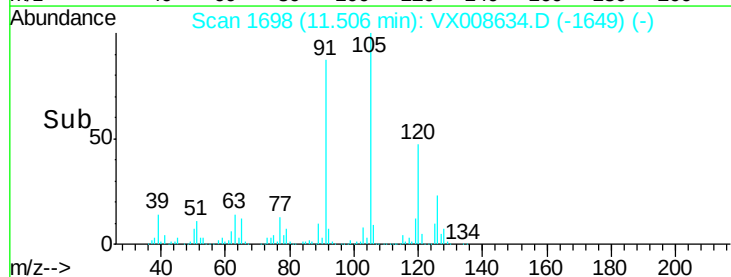
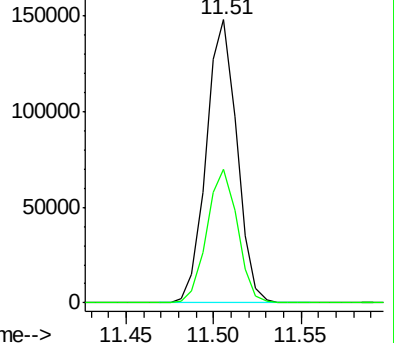
105 100

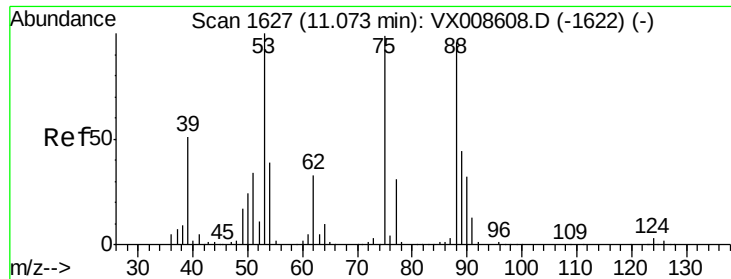
120 47.2 23.5 70.6



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.861 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

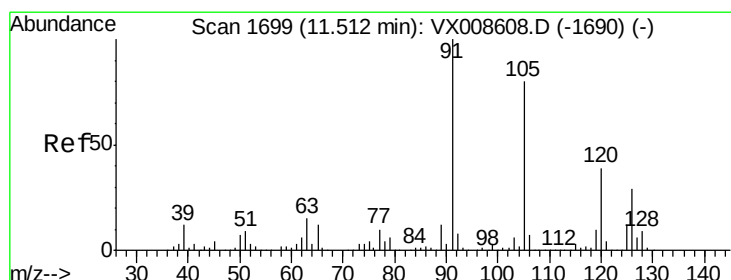
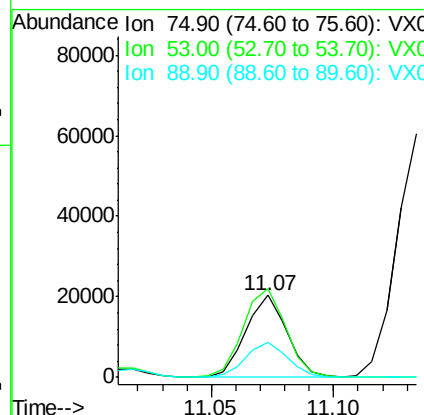
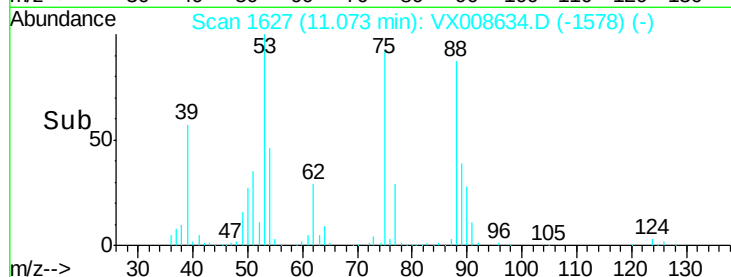
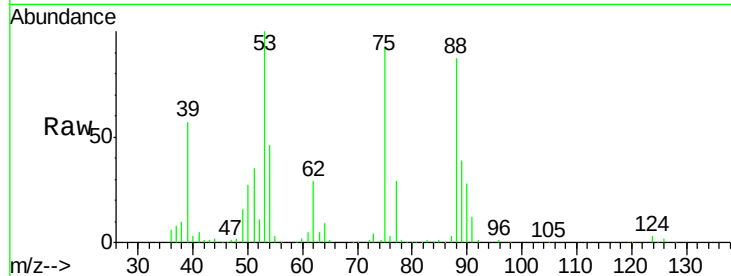
ClientSampled :

VX0404WBSD01

Tot Ion:	75	Resp:	23613
Ion	Ratio	Lower	Upper
75	100		
53	115.0	81.3	121.9
89	43.6	35.6	53.4

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#82

4-Chlorotoluene

Concen: 19.837 ug/l

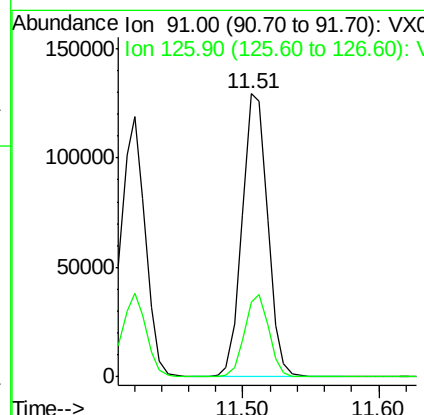
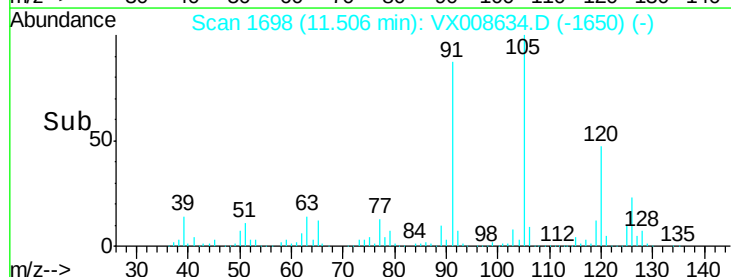
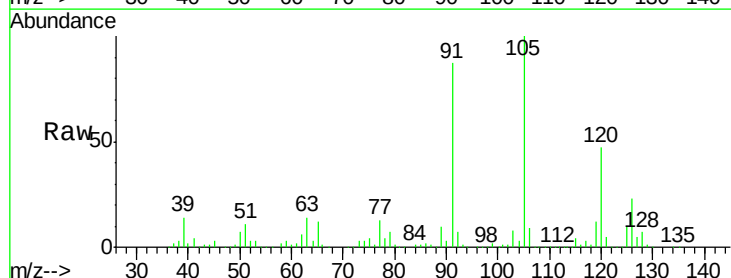
RT: 11.51 min Scan# 1698

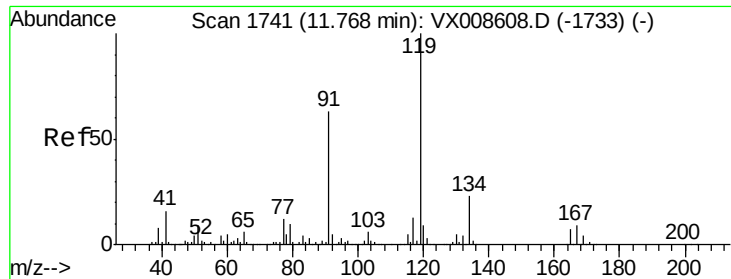
Delta R.T. -0.01 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tgt Ion:	91	Resp:	168440
Ion	Ratio	Lower	Upper
91	100		
126	28.2	13.9	41.6





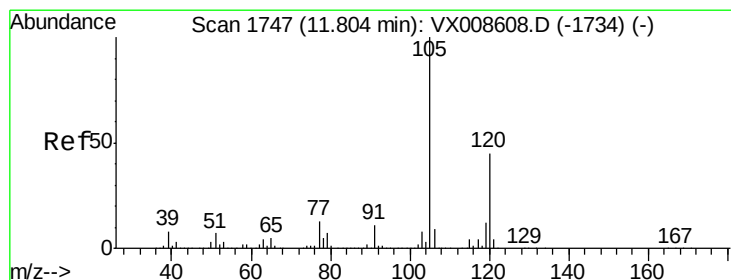
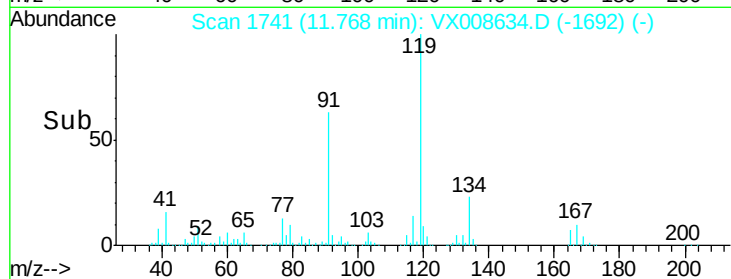
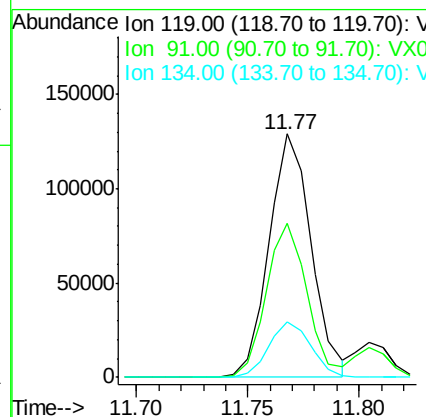
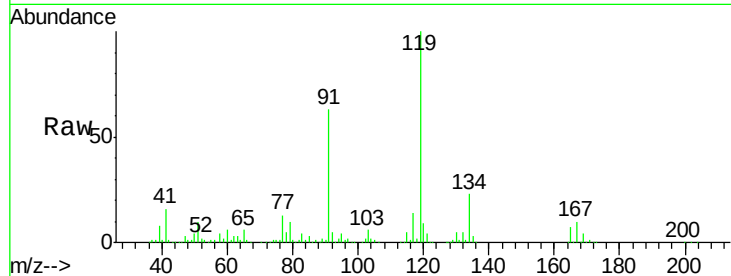
#83
 tert-Butylbenzene
 Concen: 20.124 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampled :
 VX0404WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	169199		
91	61.5	30.0	90.1	
134	22.6	11.1	33.3	

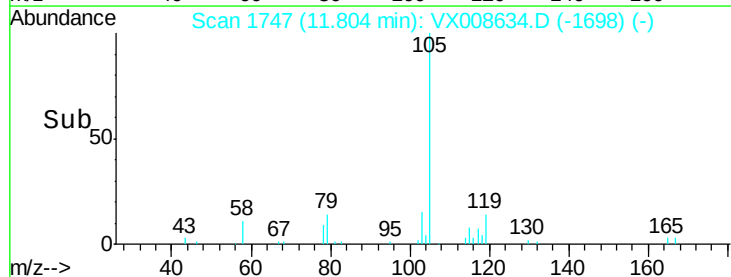
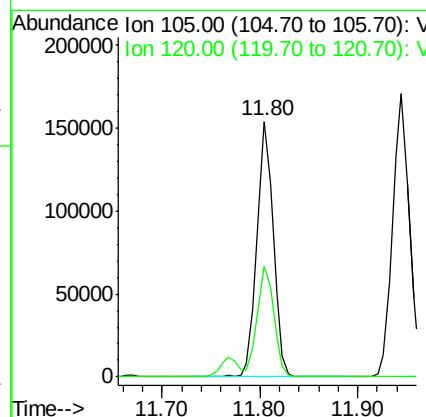
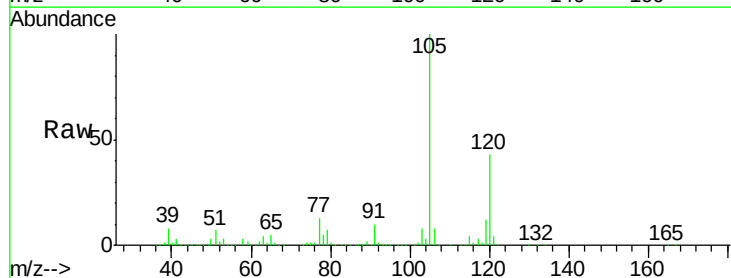
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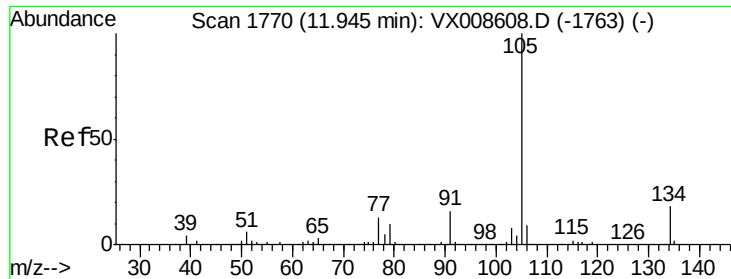
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.469 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	181124		
120	44.3	21.8	65.3	





#85

sec-Butylbenzene

Concen: 20.279 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD01

Tot Ion:105 Resp: 202522

Ion Ratio Lower Upper

105 100

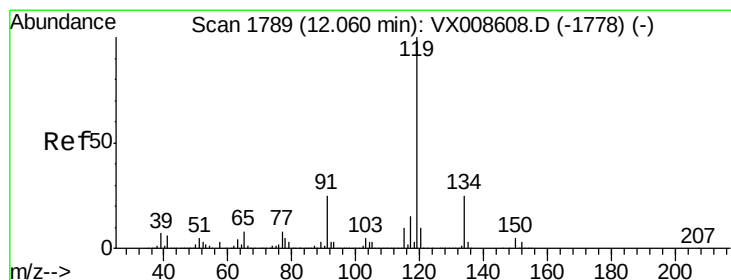
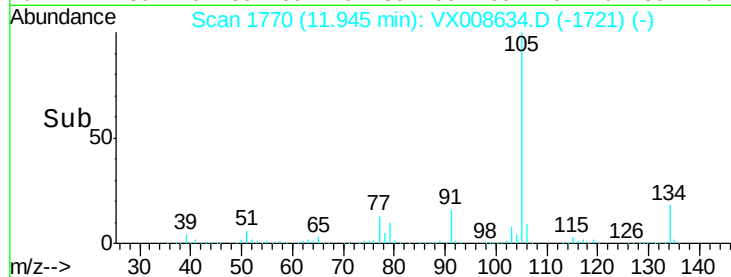
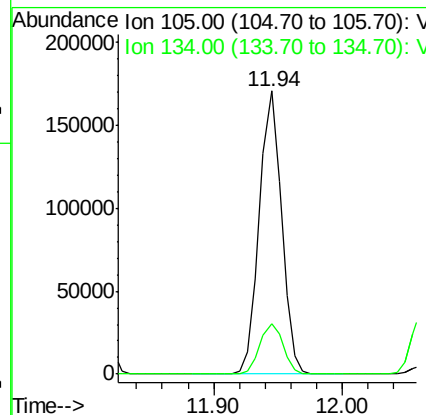
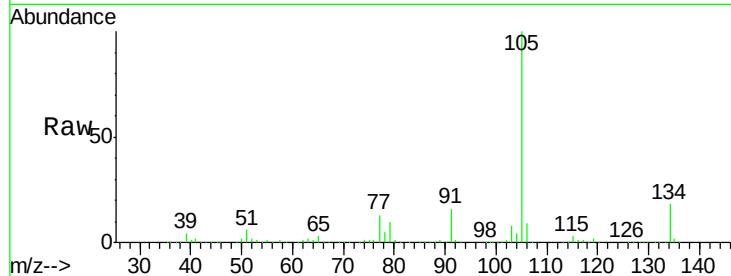
134 18.8 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 20.456 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

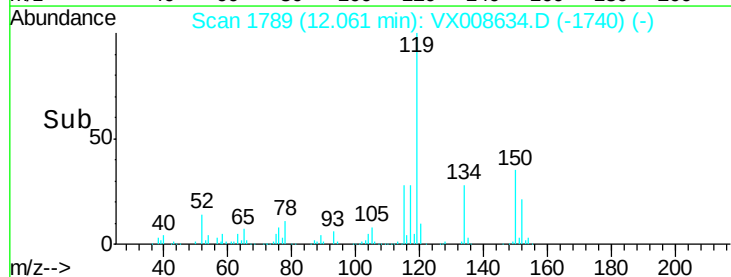
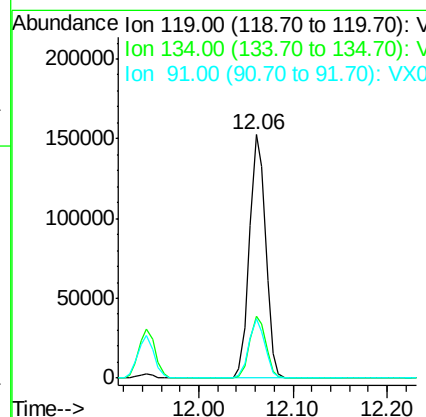
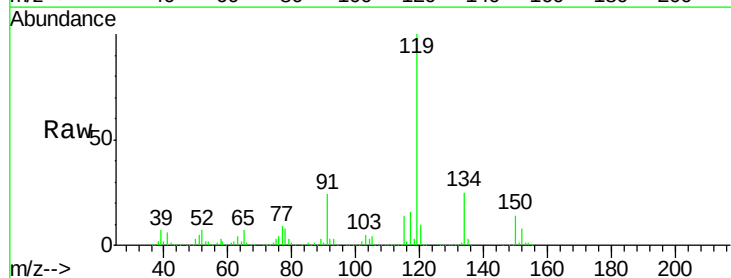
Tgt Ion:119 Resp: 183356

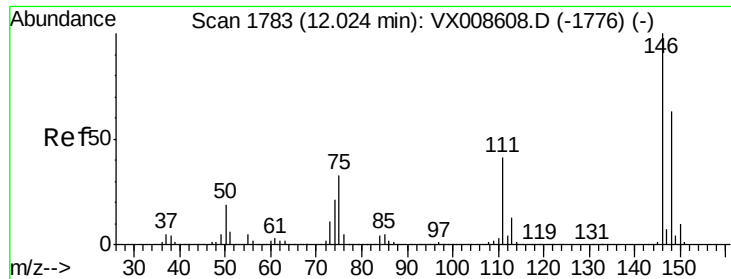
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.1 12.2 36.6





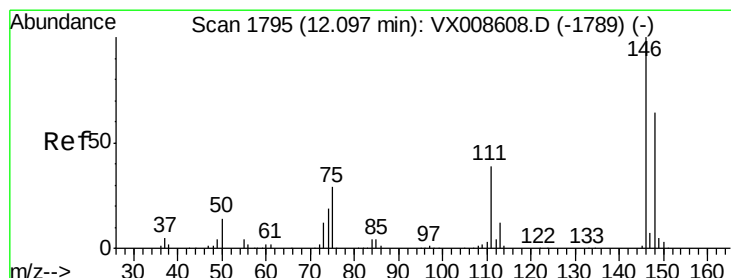
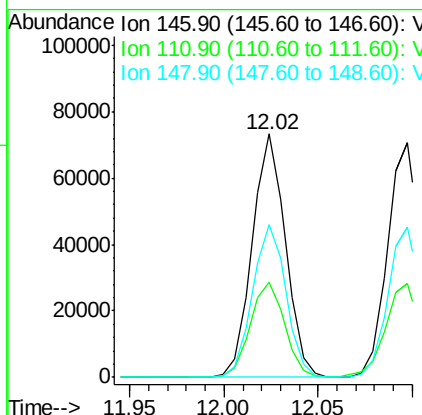
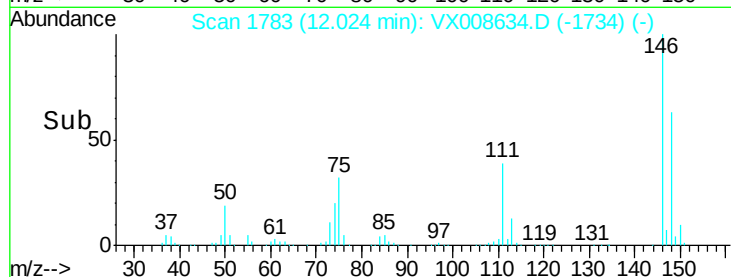
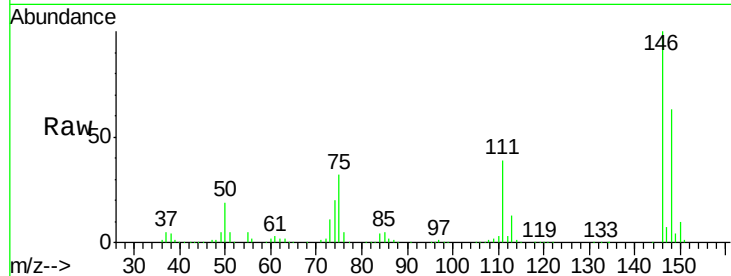
#87
 1,3-Dichlorobenzene
 Concen: 19.980 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.5
148	63.2	31.6	94.7

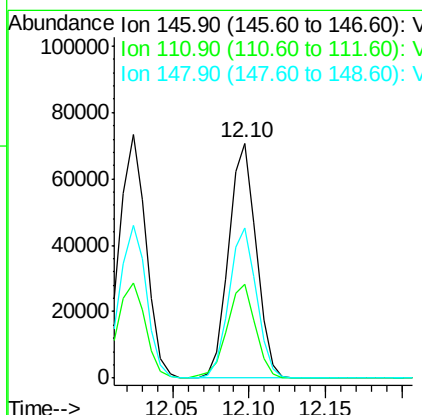
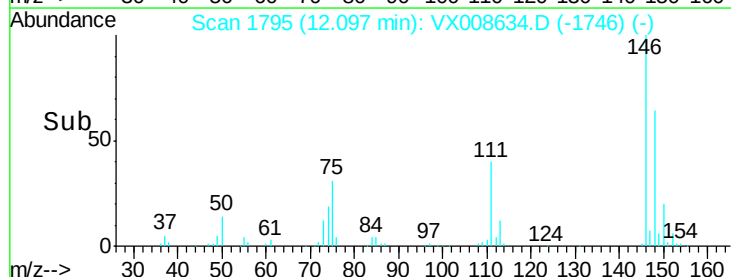
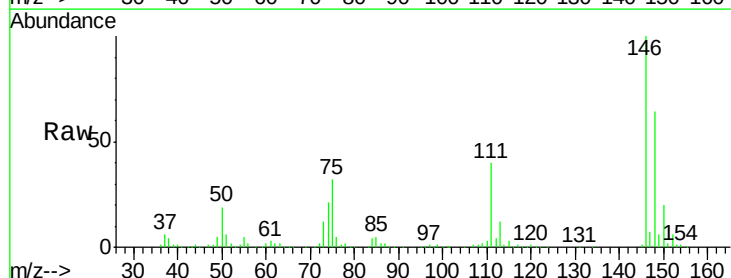
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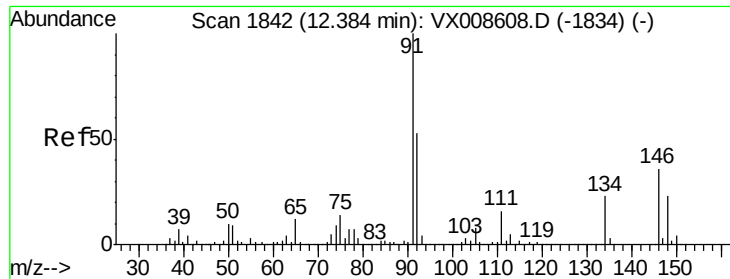
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 4/5/2019 11:11:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.472 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.2	60.6
148	63.9	32.0	96.0





#89

n-Butylbenzene

Concen: 19.750 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

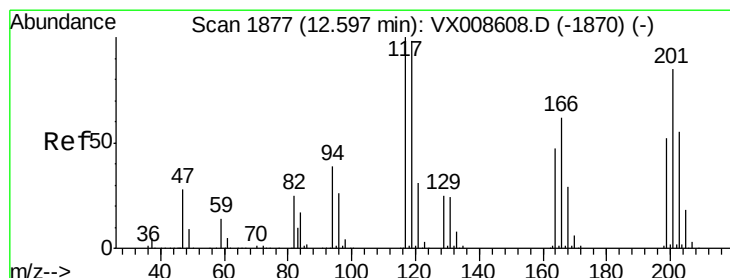
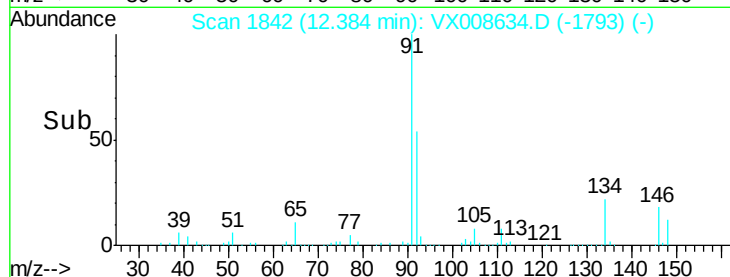
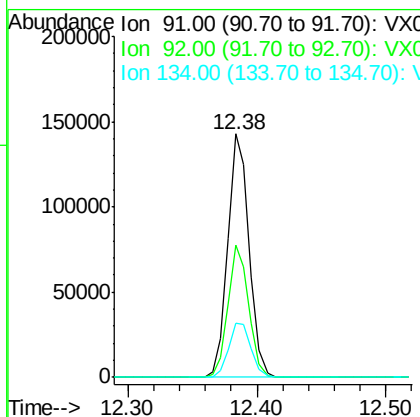
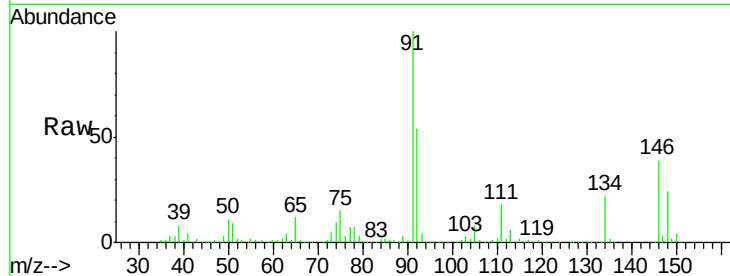
ClientSampleId :

VX0404WBSD01

Tot Ion:	91	Resp:	166024
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.4	79.2
134	23.4	12.0	36.0

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#90

Hexachloroethane

Concen: 19.765 ug/l

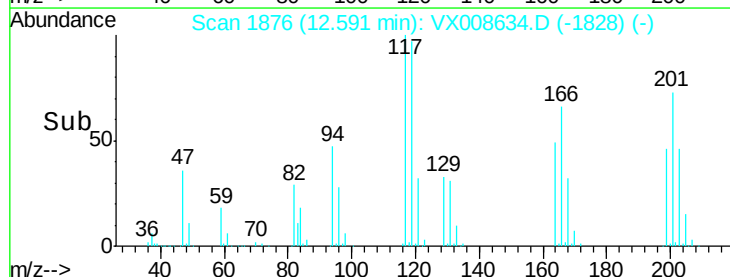
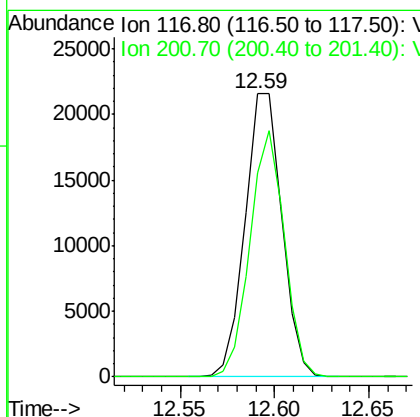
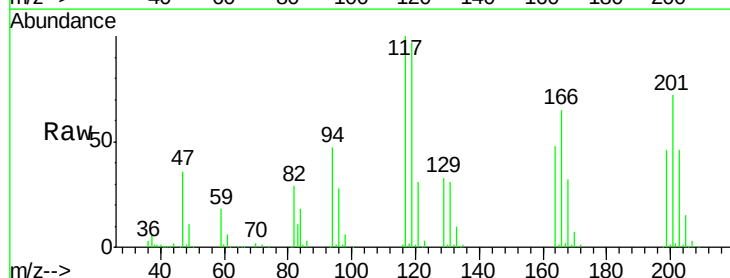
RT: 12.59 min Scan# 1876

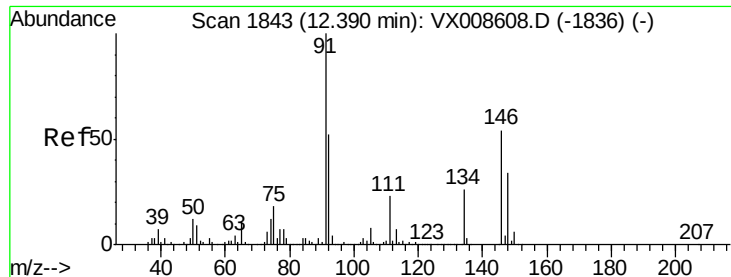
Delta R.T. -0.01 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tgt Ion:	117	Resp:	29384
Ion Ratio	Lower	Upper	
117	100		
201	80.9	40.6	122.0





#91

1,2-Dichlorobenzene

Concen: 20.204 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Instrument :

MSVOA_X

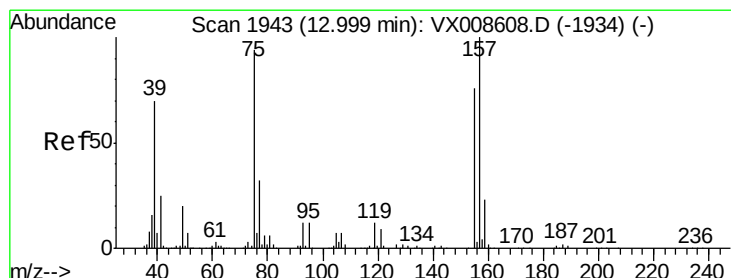
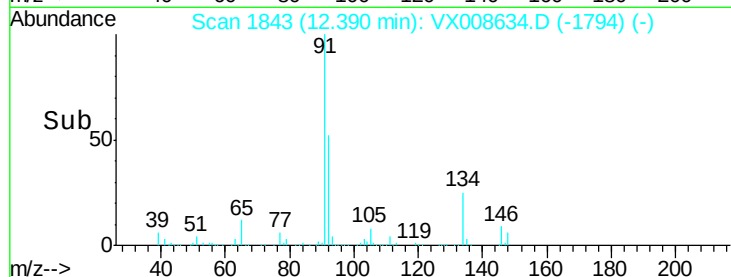
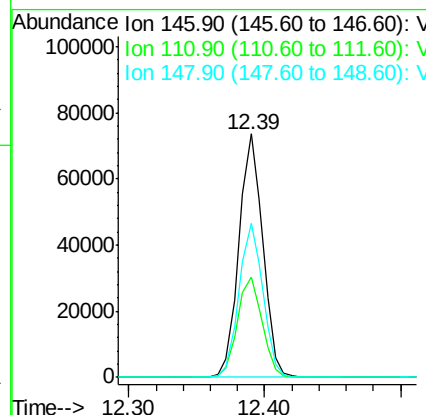
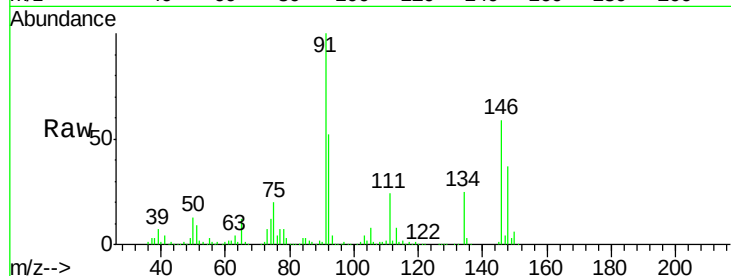
ClientSampled :

VX0404WBSD01

Tot Ion:	146	Resp:	89881
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.3	63.9
148	63.4	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.355 ug/l

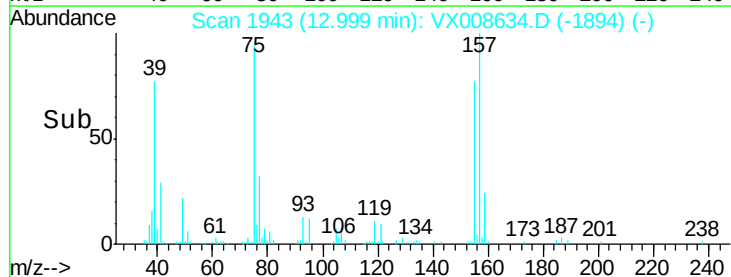
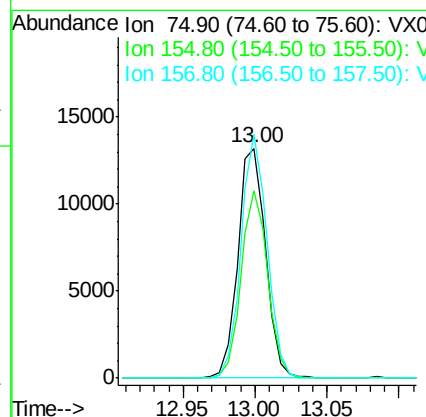
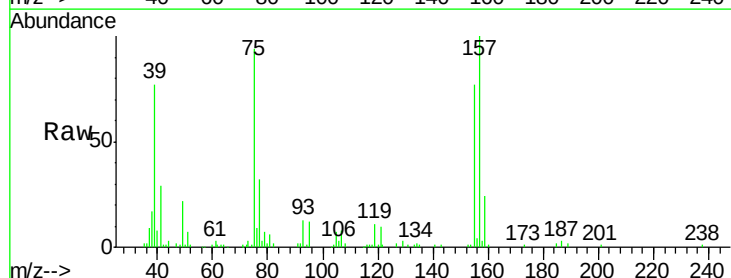
RT: 13.00 min Scan# 1943

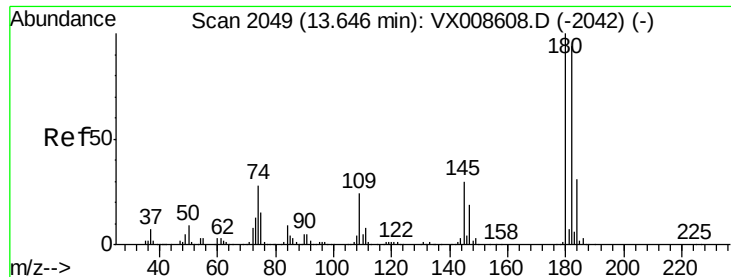
Delta R.T. 0.00 min

Lab File: VX008634.D

Acq: 04 Apr 2019 14:34

Tgt Ion:	75	Resp:	17729
Ion Ratio	Lower	Upper	
75	100		
155	77.1	39.9	119.6
157	99.1	51.5	154.7





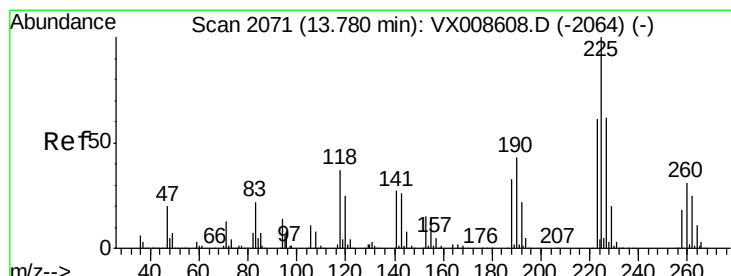
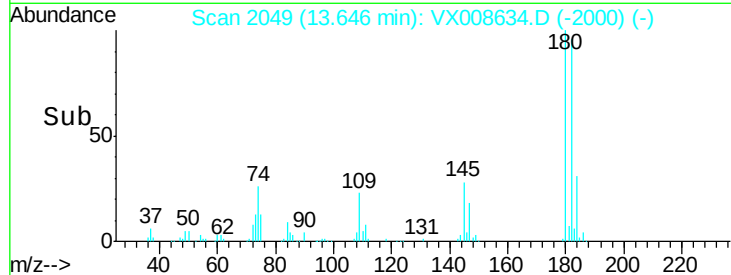
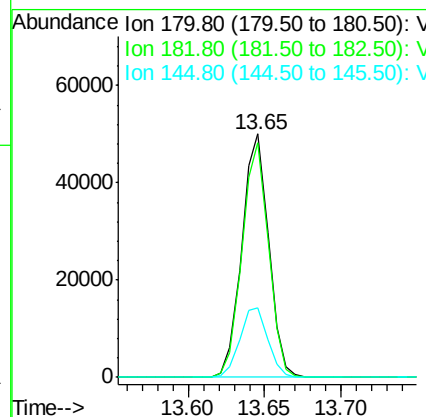
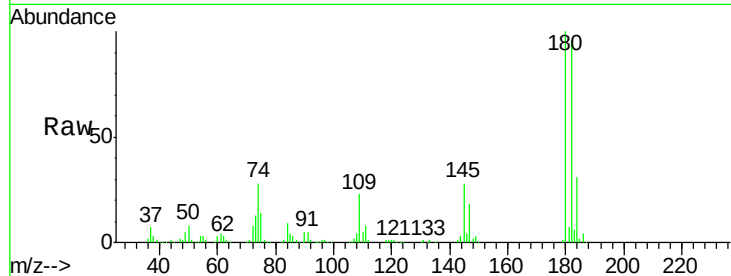
#93
 1,2,4-Trichlorobenzene
 Concen: 19.678 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD01

Tot Ion:	180	Resp:	60865
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.2	141.6
145	29.8	15.3	45.9

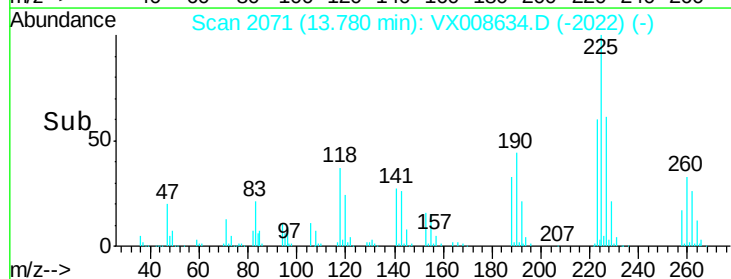
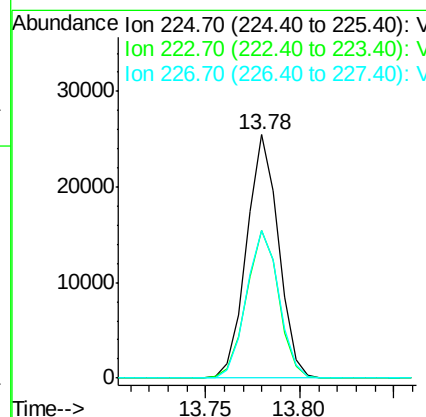
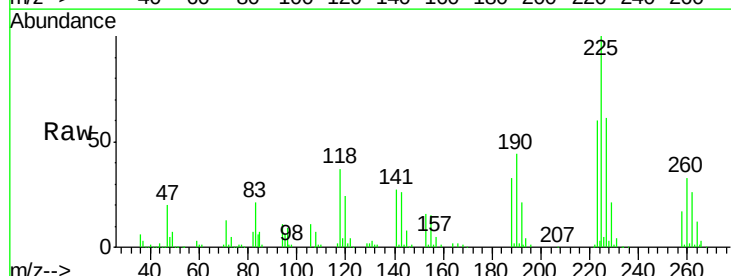
Manual Integrations
 APPROVED

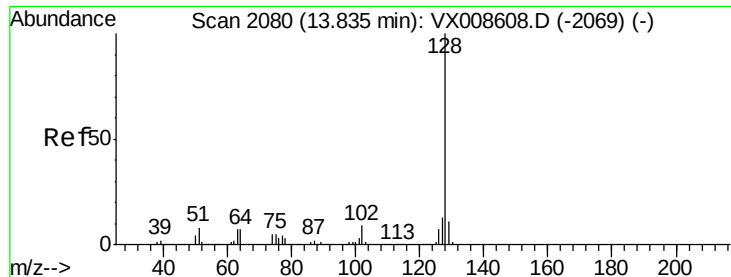
MMDadoda
 4/5/2019 11:11:51 AM



#94
 Hexachlorobutadiene
 Concen: 20.123 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008634.D
 Acq: 04 Apr 2019 14:34

Tgt Ion:	225	Resp:	29851
Ion Ratio	Lower	Upper	
225	100		
223	61.0	31.2	93.6
227	61.8	31.9	95.5





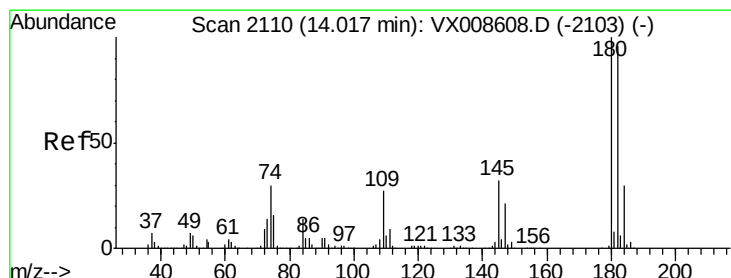
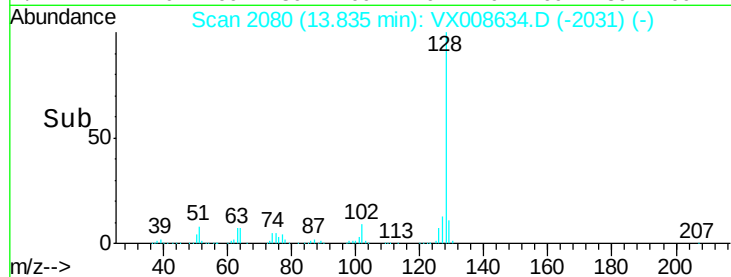
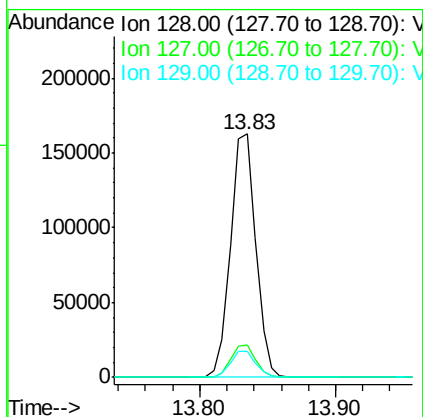
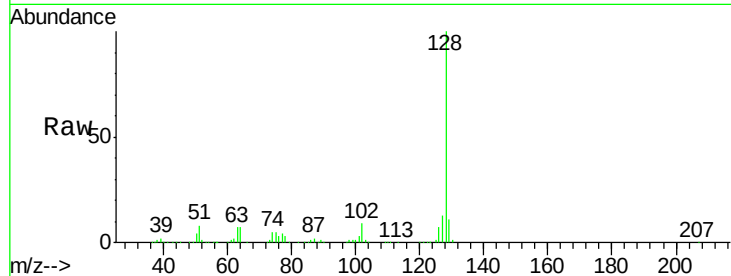
#95
Naphthalene
Concen: 20.344 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	210313		
127	13.2		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:11:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.041 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008634.D
Acq: 04 Apr 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61936		
182	95.6		48.1	144.3
145	32.6		16.3	48.8

