

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031919\
 Data File : VX008209.D
 Acq On : 19 Mar 2019 23:53
 Operator : JC/SP
 Sample : VX0319WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 10:27:38 AM

Quant Time: Mar 20 08:32:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	287835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	478846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	428003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196886	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	213432	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	5.50	113	158801	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.71	98	618074	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.13	95	216840	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	73011	20.922	ug/l	100
3) Chloromethane	1.33	50	85600	19.548	ug/l	97
4) Vinyl Chloride	1.41	62	87626	20.071	ug/l	98
5) Bromomethane	1.64	94	66692	17.933	ug/l	99
6) Chloroethane	1.73	64	56408	20.606	ug/l	100
7) Trichlorofluoromethane	1.93	101	107224	19.244	ug/l	98
8) Diethyl Ether	2.19	74	61758	21.544	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	74332	20.094	ug/l	91
10) Methyl Iodide	2.51	142	98128	20.833	ug/l	97
11) Tert butyl alcohol	3.04	59	99630	107.357	ug/l	99
12) 1,1-Dichloroethene	2.38	96	73238	20.970	ug/l	93
13) Acrolein	2.29	56	56816	79.837	ug/l	96
14) Allyl chloride	2.73	41	156263	20.554	ug/l	93
15) Acrylonitrile	3.14	53	262062	106.762	ug/l	99
16) Acetone	2.45	43	231437	94.130	ug/l	97
17) Carbon Disulfide	2.57	76	224029	20.062	ug/l	99
18) Methyl Acetate	2.78	43	128114	22.507	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	266049	21.069	ug/l	97
20) Methylene Chloride	2.86	84	84614	20.638	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	77879	20.642	ug/l	95
22) Diisopropyl ether	3.86	45	313793	21.074	ug/l #	89
23) Vinyl Acetate	3.82	43	1362313	106.716	ug/l	97
24) 1,1-Dichloroethane	3.70	63	162787	21.257	ug/l	99
25) 2-Butanone	4.67	43	378941	104.410	ug/l	95
26) 2,2-Dichloropropane	4.59	77	98276	17.035	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	89613	20.835	ug/l	94
28) Bromochloromethane	5.02	49	63450	18.451	ug/l #	82
29) Tetrahydrofuran	5.13	42	248994	109.746	ug/l	97
30) Chloroform	5.21	83	150529	21.013	ug/l	96
31) Cyclohexane	5.59	56	147717	20.541	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	125759	21.104	ug/l	96
36) 1,1-Dichloropropene	5.81	75	116232	20.849	ug/l	96
37) Ethyl Acetate	4.84	43	144782	21.969	ug/l	98
38) Carbon Tetrachloride	5.79	117	101993	20.533	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	130901	19.511	ug/l	93
40) Benzene	6.15	78	350106	21.217	ug/l	99
41) Methacrylonitrile	5.05	41	80250	21.709	ug/l	97
42) 1,2-Dichloroethane	6.20	62	129195	21.373	ug/l	96
43) Isopropyl Acetate	6.45	43	226528	21.445	ug/l	97
44) Trichloroethene	7.21	130	84597	20.968	ug/l	90
45) 1,2-Dichloropropane	7.51	63	97469	21.101	ug/l	99
46) Dibromomethane	7.66	93	57483	20.553	ug/l	87
47) Bromodichloromethane	7.90	83	109722	20.585	ug/l	97
48) Methyl methacrylate	7.77	41	119784	21.326	ug/l	93
49) 1,4-Dioxane	7.74	88	42000	423.743	ug/l #	93
51) 4-Methyl-2-Pentanone	8.64	43	755592	110.642	ug/l	98
52) Toluene	8.79	92	207874	21.235	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	119283	18.784	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	133318	20.154	ug/l #	91
55) 1,1,2-Trichloroethane	9.21	97	84944	21.476	ug/l	96
56) Ethyl methacrylate	9.18	69	139986	20.491	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	150807	21.554	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	310796	95.906	ug/l	94
59) 2-Hexanone	9.49	43	579670	110.253	ug/l	95
60) Dibromochloromethane	9.58	129	80581	21.199	ug/l	97
61) 1,2-Dibromoethane	9.67	107	87729	21.242	ug/l	99
64) Tetrachloroethene	9.34	164	82052	21.249	ug/l	98
65) Chlorobenzene	10.13	112	217191	20.623	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	76123	20.731	ug/l	99
67) Ethyl Benzene	10.25	91	383573	20.668	ug/l	97
68) m/p-Xylenes	10.36	106	282362	41.419	ug/l	93
69) o-Xylene	10.69	106	138985	20.981	ug/l	94
70) Styrene	10.71	104	226514	21.040	ug/l	96
71) Bromoform	10.85	173	58594	19.907	ug/l #	100
73) Isopropylbenzene	11.02	105	370421	21.107	ug/l	98
74) N-amyl acetate	10.90	43	194347	21.137	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	133089	21.149	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	116950m	21.119	ug/l	
77) Bromobenzene	11.26	156	88825	20.934	ug/l	86
78) n-propylbenzene	11.36	91	424603	20.831	ug/l	96
79) 2-Chlorotoluene	11.42	91	255868	20.914	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	302012	20.830	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	37503	18.206	ug/l	88
82) 4-Chlorotoluene	11.51	91	292166	20.523	ug/l	95
83) tert-Butylbenzene	11.77	119	284129	20.526	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	310023	21.092	ug/l	97
85) sec-Butylbenzene	11.94	105	357413	20.850	ug/l	97
86) p-Isopropyltoluene	12.06	119	307821	20.745	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	157338	20.748	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	155762	19.858	ug/l	97
89) n-Butylbenzene	12.38	91	276466	19.851	ug/l	96
90) Hexachloroethane	12.60	117	51967	20.564	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	156226	20.432	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28201	20.177	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99775	19.811	ug/l	98
94) Hexachlorobutadiene	13.78	225	49179	20.022	ug/l	99
95) Naphthalene	13.83	128	332719	20.931	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	101570	20.496	ug/l	99

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

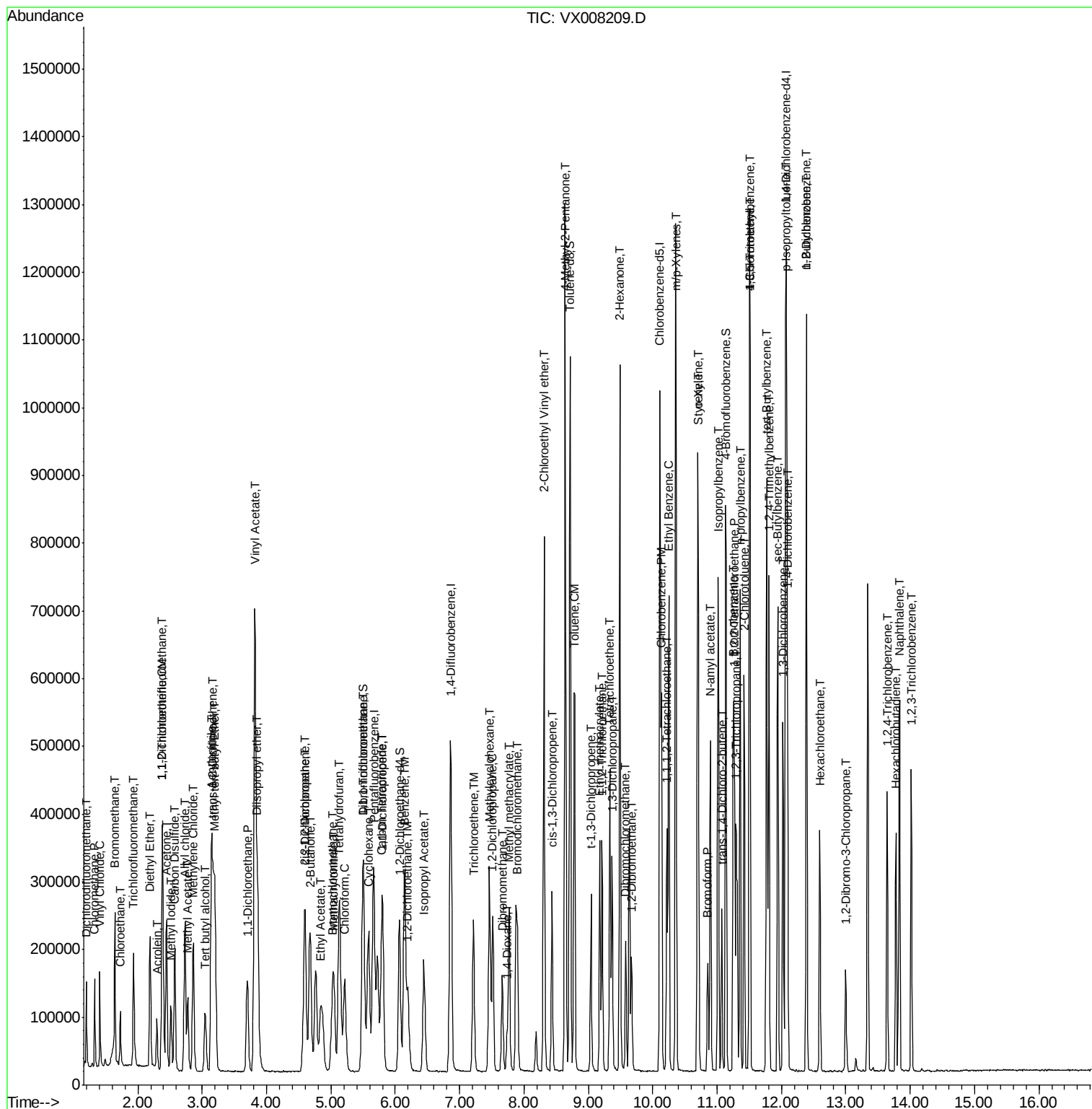
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031919\
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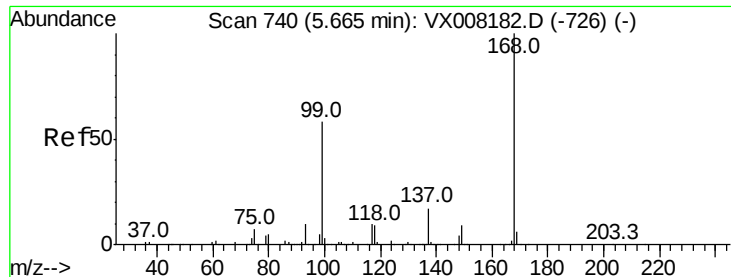
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion:168 Resp: 287835

Ion Ratio Lower Upper

168 100

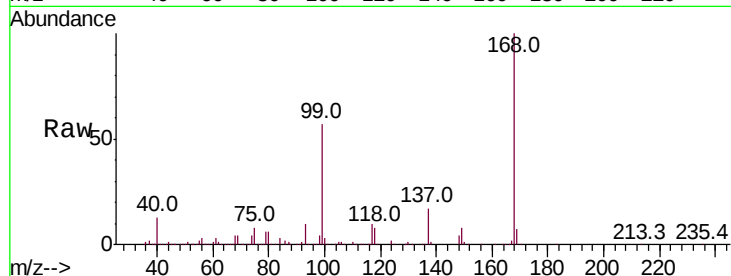
99 56.5 37.6 56.4#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

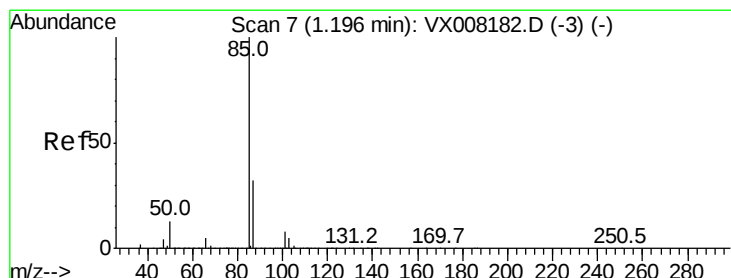
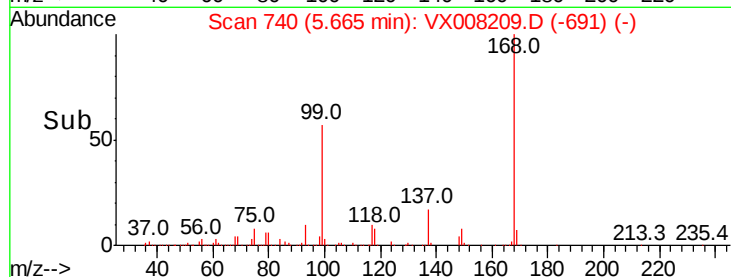
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.922 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008209.D

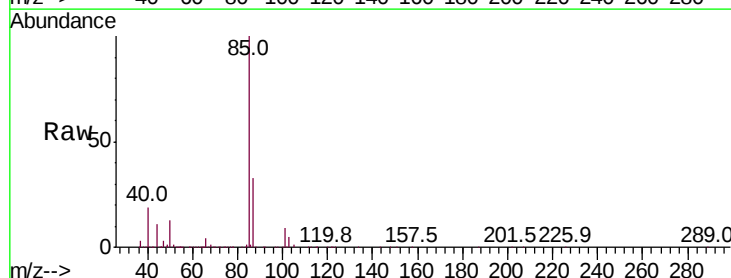
Acq: 19 Mar 2019 23:53

Tgt Ion: 85 Resp: 73011

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

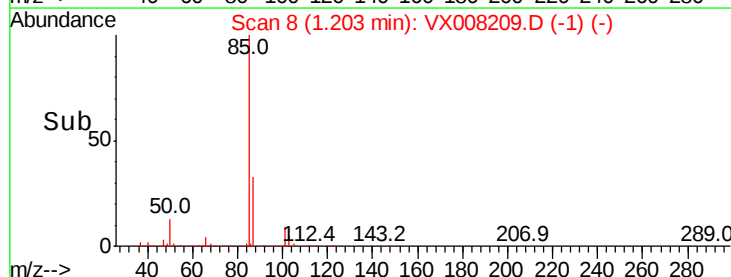
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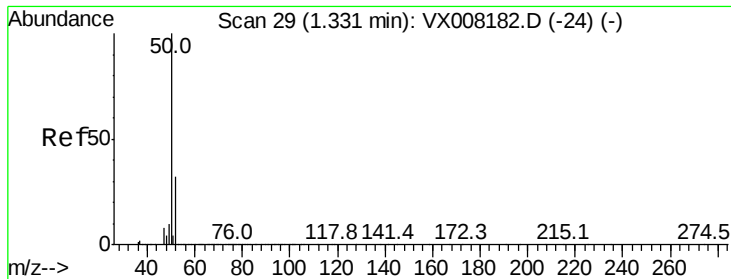
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20000

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Time-->





#3

Chloromethane

Concen: 19.548 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 50 Resp: 85600

Ion Ratio Lower Upper

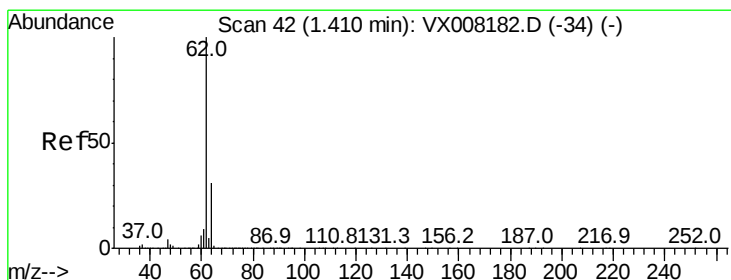
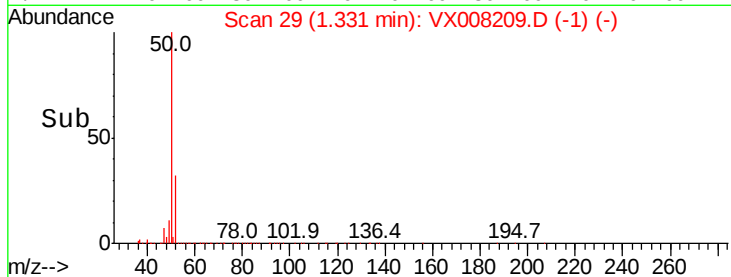
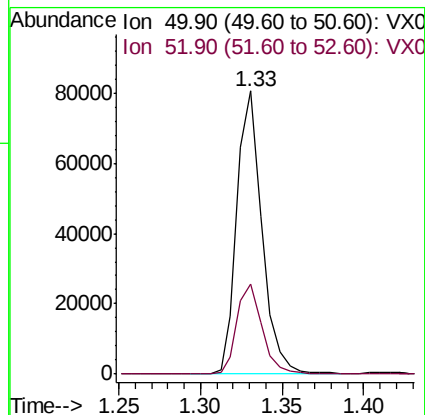
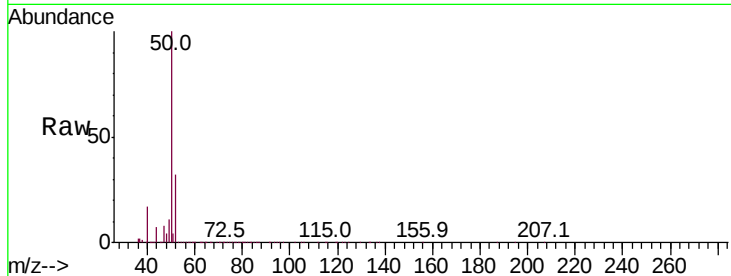
50 100

52 31.6 26.5 39.7

Manual Integrations
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3/20/2019 10:27:38 AM



#4

Vinyl Chloride

Concen: 20.071 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008209.D

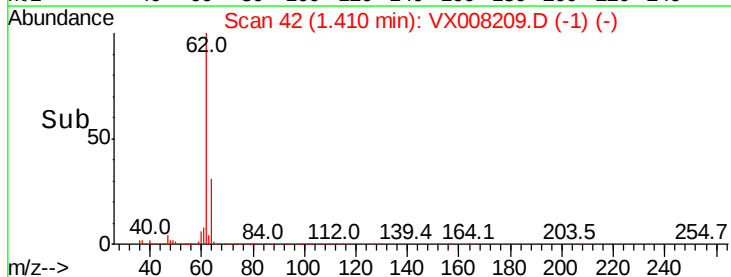
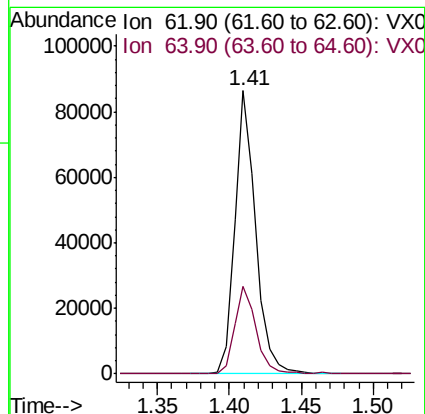
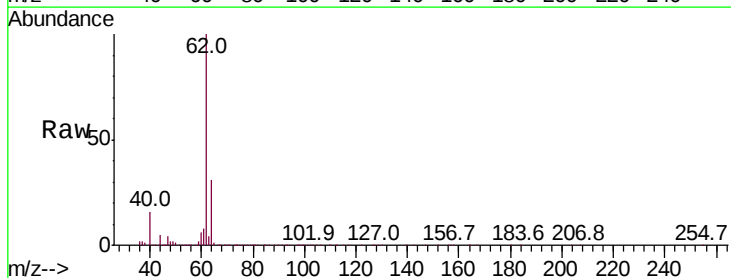
Acq: 19 Mar 2019 23:53

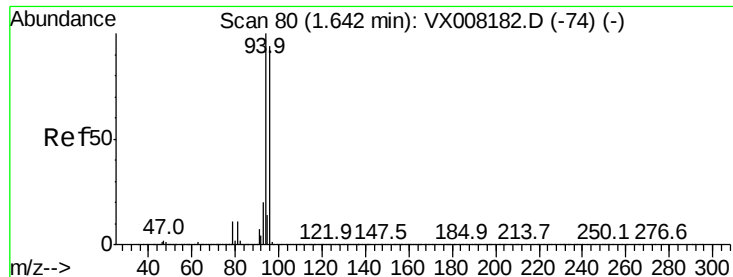
Tgt Ion: 62 Resp: 87626

Ion Ratio Lower Upper

62 100

64 30.6 25.3 37.9





#5

Bromomethane

Concen: 17.933 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 94 Resp: 66692

Ion Ratio Lower Upper

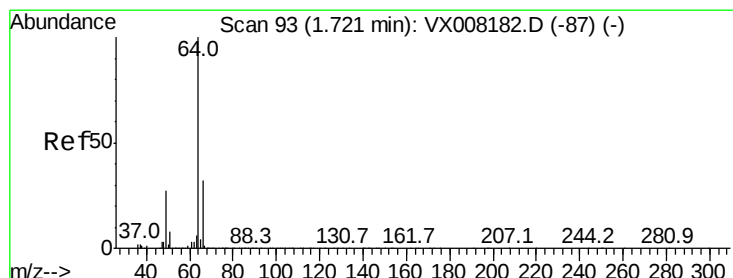
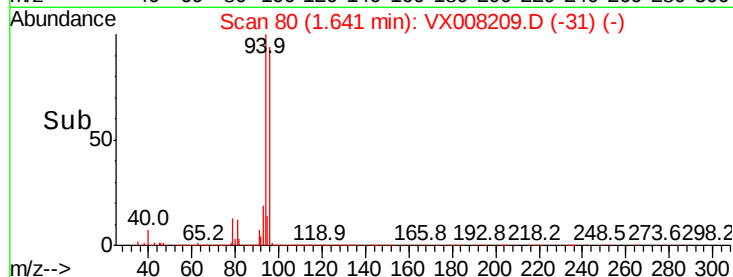
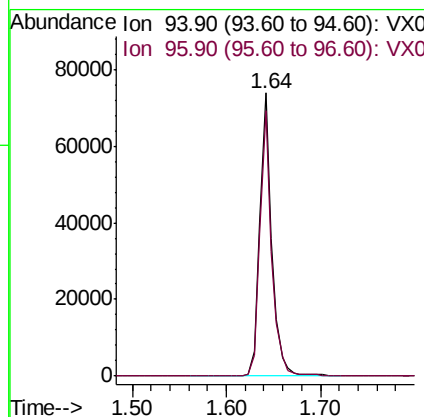
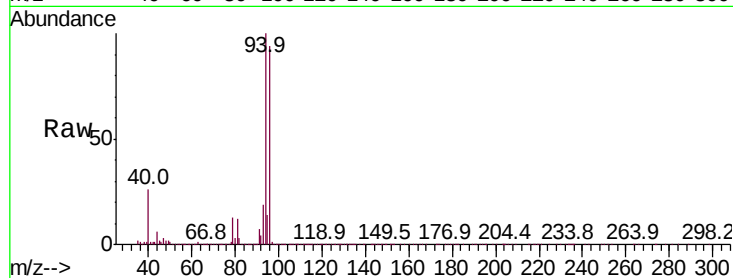
94 100

96 93.6 75.5 113.3

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3/20/2019 10:27:38 AM



#6

Chloroethane

Concen: 20.606 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008209.D

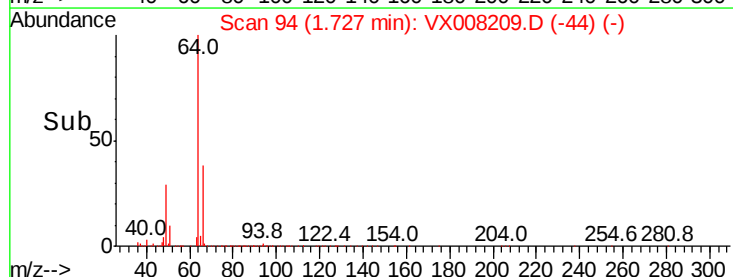
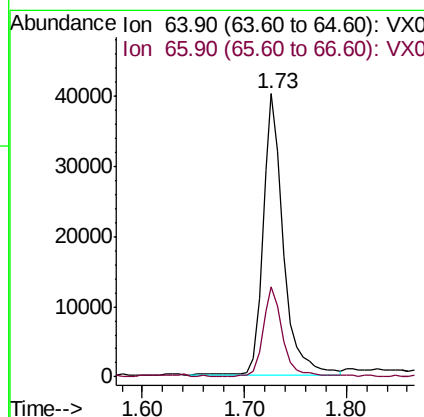
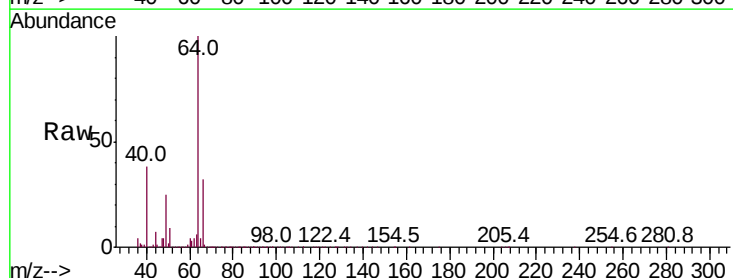
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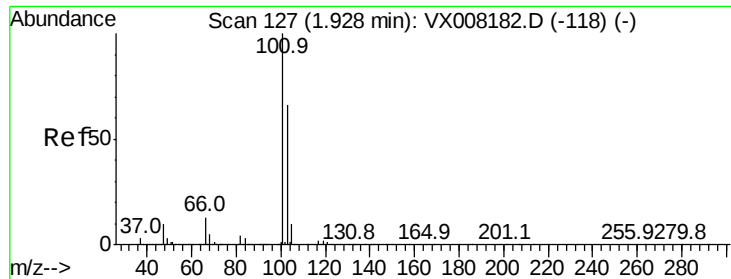
Tgt Ion: 64 Resp: 56408

Ion Ratio Lower Upper

64 100

66 31.7 25.2 37.8





#7

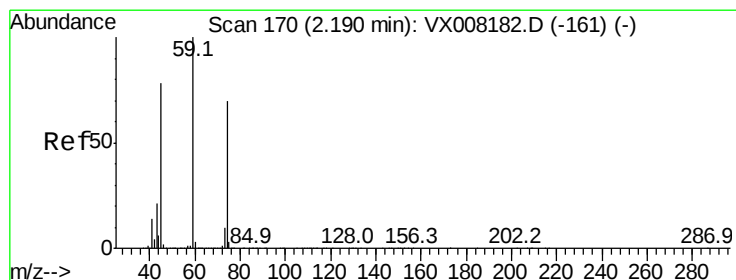
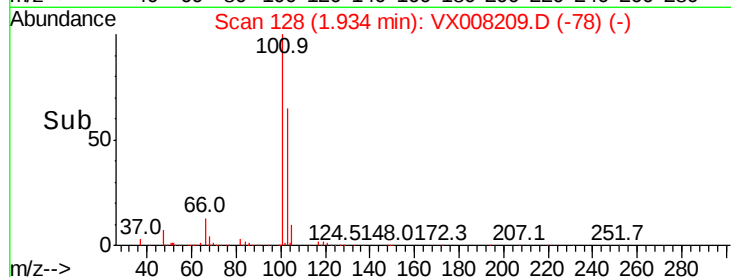
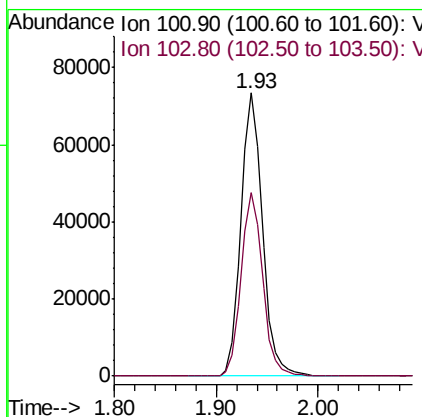
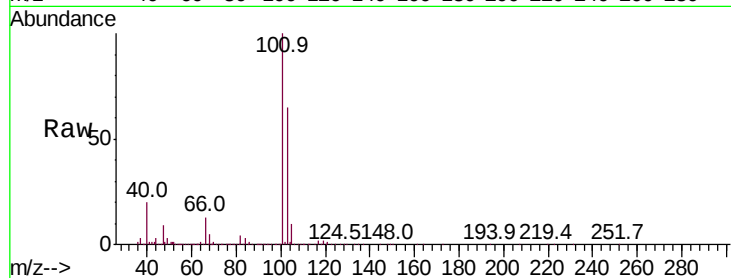
Trichlorofluoromethane
Concen: 19.244 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.4	75.6

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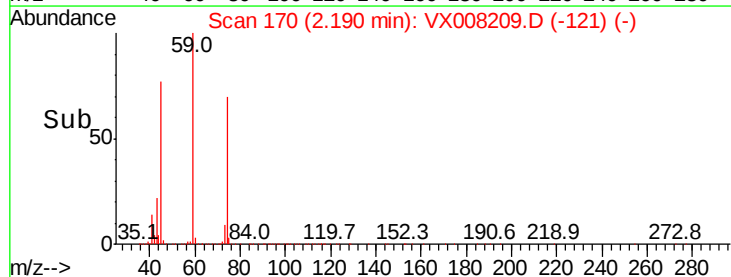
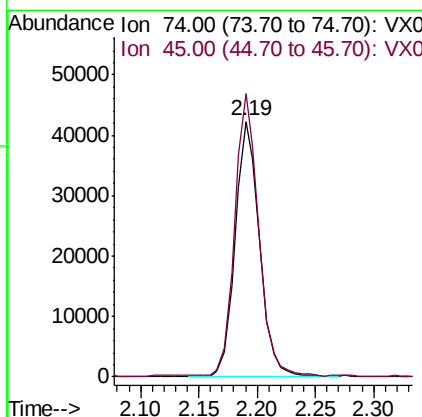
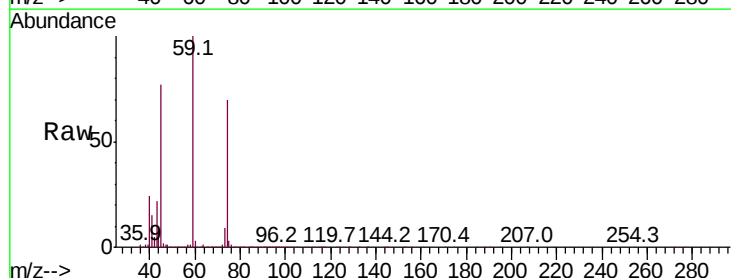
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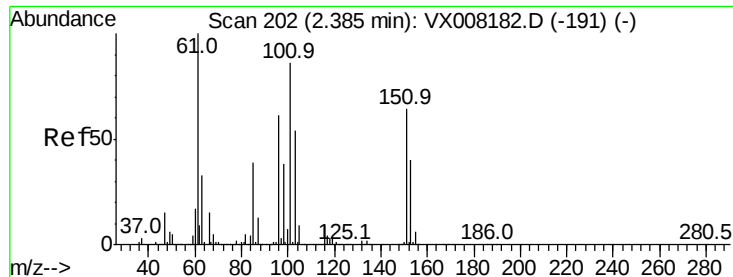


#8

Diethyl Ether
Concen: 21.544 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.4	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.094 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

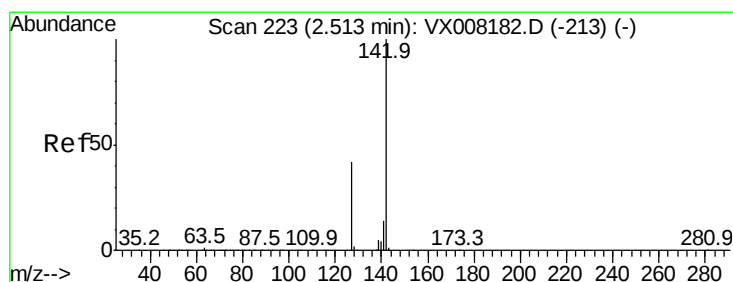
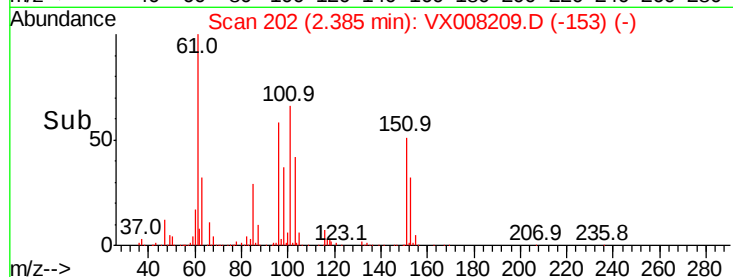
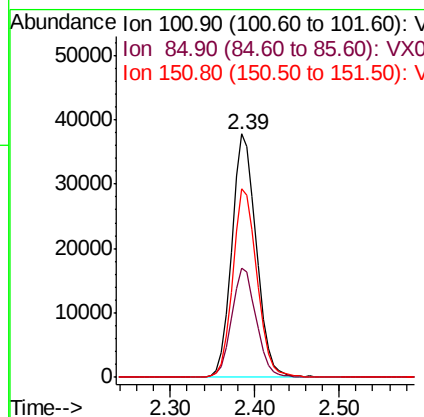
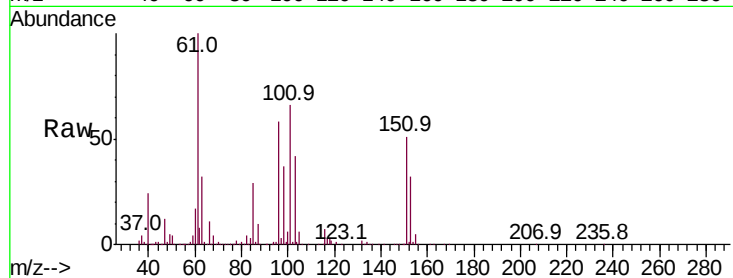
ClientSampleId :

VX0319WBSD02

Tot Ion:	101	Resp:	74332
Ion Ratio	Lower	Upper	
101	100		
85	45.3	33.8	50.6
151	76.7	69.1	103.7

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#10

Methyl Iodide

Concen: 20.833 ug/l

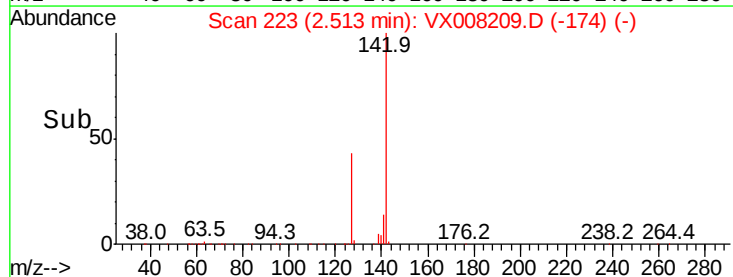
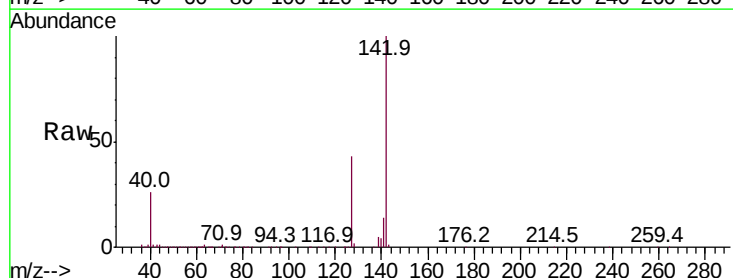
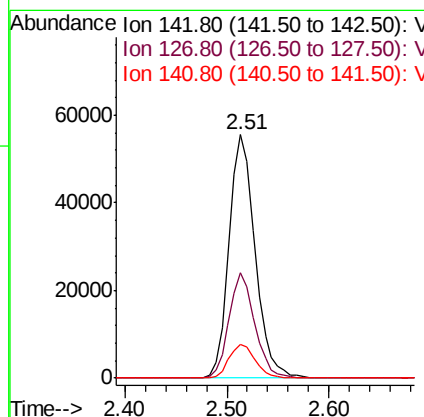
RT: 2.51 min Scan# 223

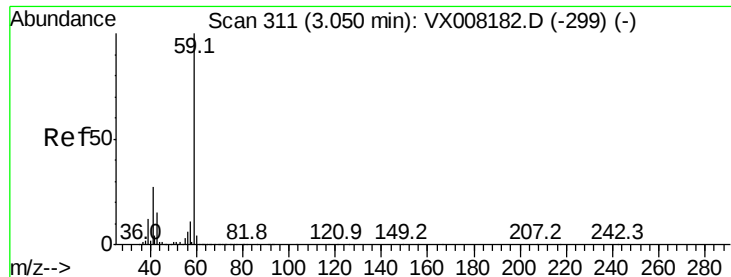
Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Tgt Ion:	142	Resp:	98128
Ion Ratio	Lower	Upper	
142	100		
127	42.9	32.1	48.1
141	14.2	11.4	17.2





#11

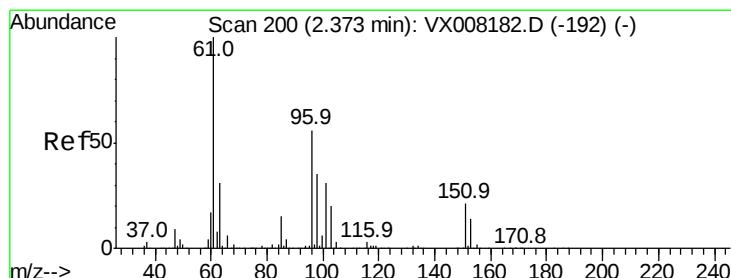
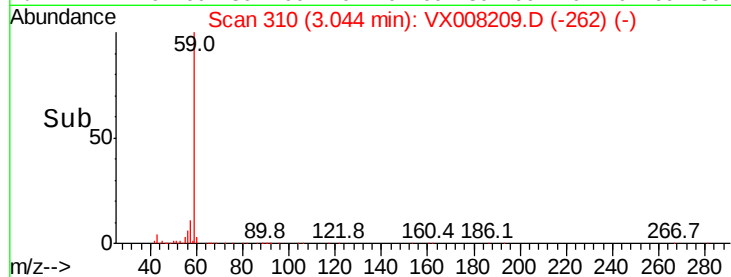
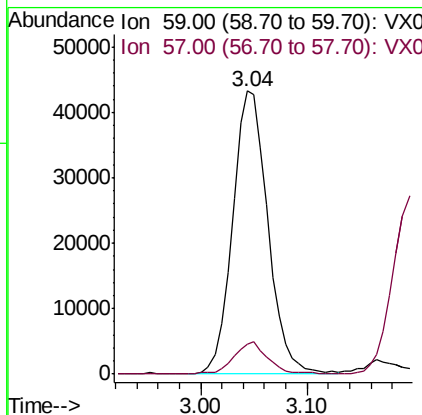
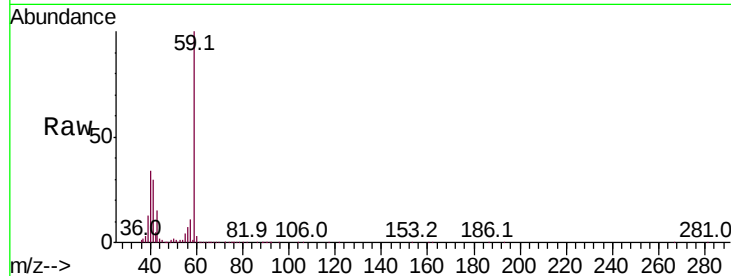
Tert butyl alcohol
 Concen: 107.357 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX008209.D
 Acq: 19 Mar 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0319WBSD02

Tot Ion	59	57	Ratio	100	10.6	Resp	99630	Lower	Upper
59	100								
57		10.6						8.2	12.2

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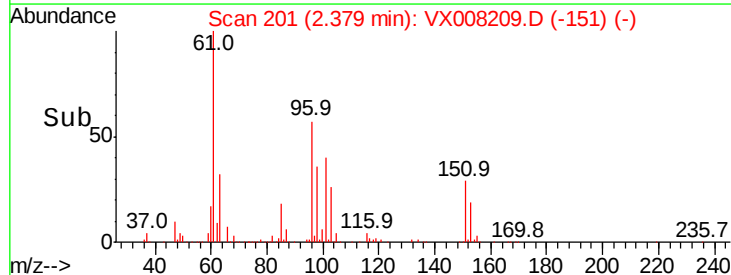
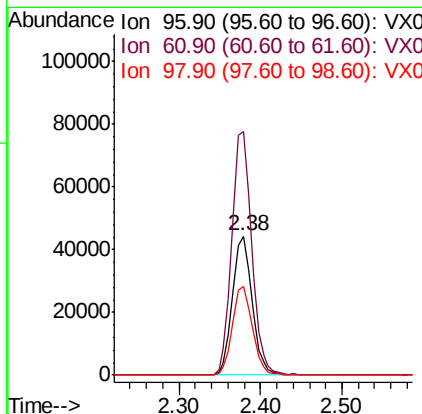
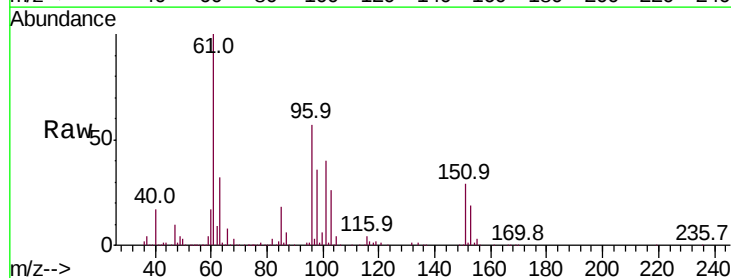
MMDadoda
 3/20/2019 10:27:38 AM

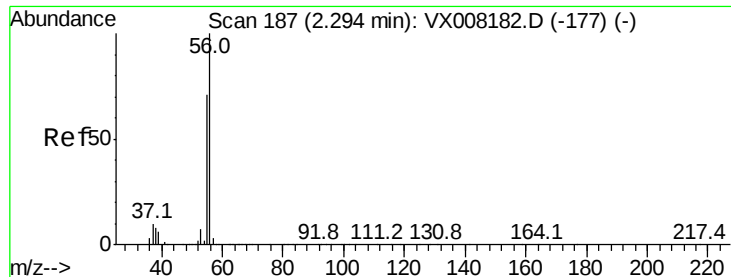


#12

1,1-Dichloroethene
 Concen: 20.970 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX008209.D
 Acq: 19 Mar 2019 23:53

Tgt Ion	96	61	98	Ratio	100	175.3	63.6	Resp	73238	Lower	Upper
96	100										
61		175.3								129.8	194.6
98		63.6								51.0	76.6





#13

Acrolein

Concen: 79.837 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 56 Resp: 56816

Ion Ratio Lower Upper

56 100

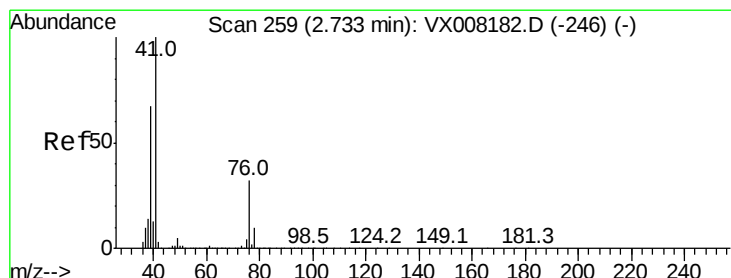
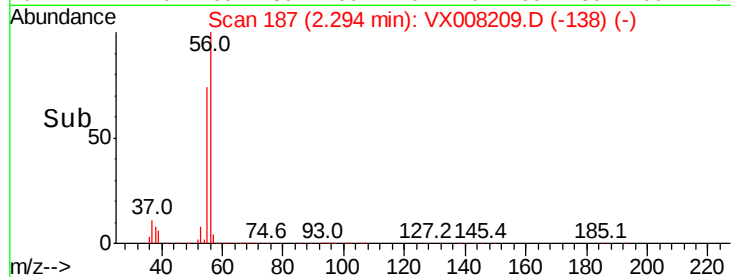
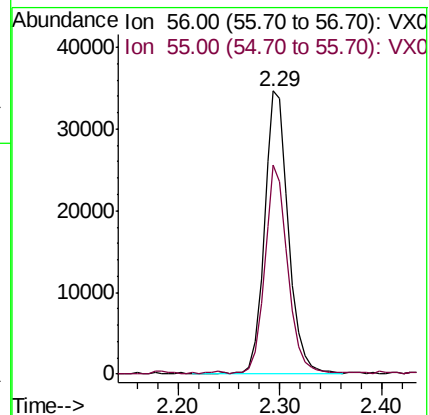
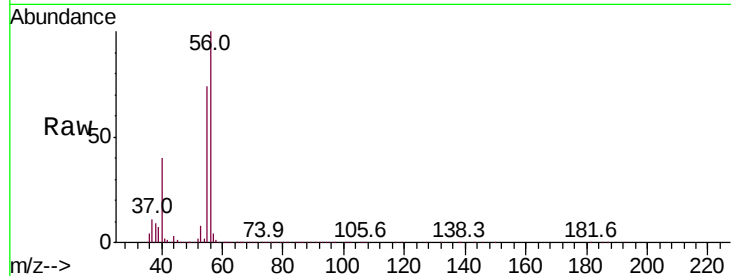
55 69.1 57.8 86.6

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 20.554 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

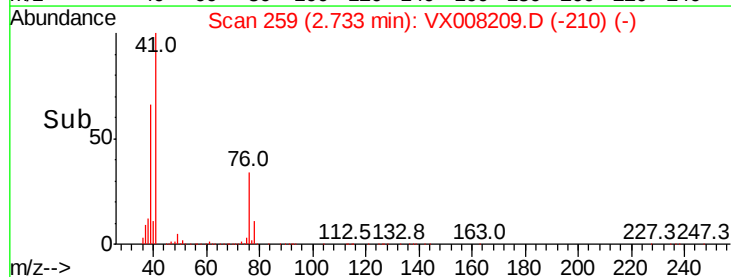
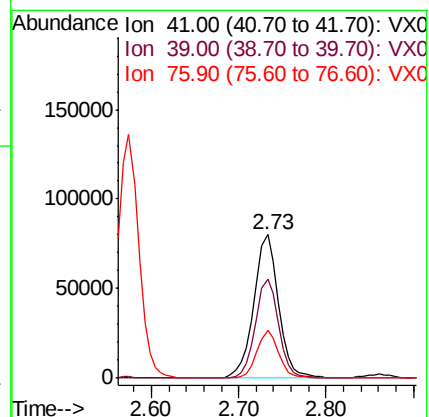
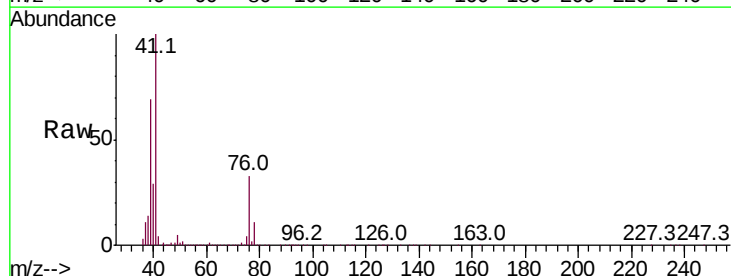
Tgt Ion: 41 Resp: 156263

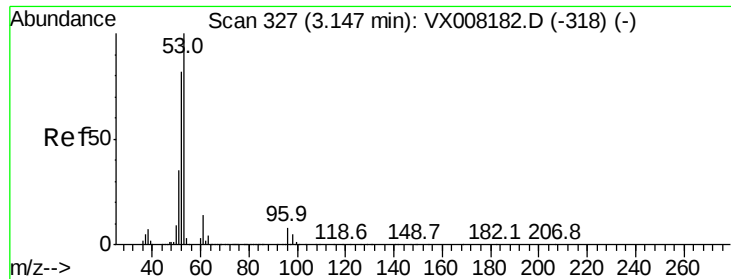
Ion Ratio Lower Upper

41 100

39 65.2 46.1 69.1

76 29.1 24.0 36.0





#15

Acrylonitrile

Concen: 106.762 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

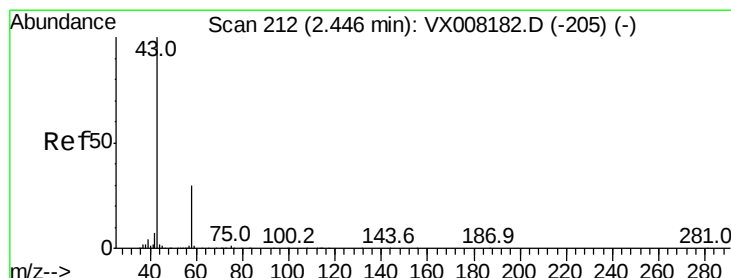
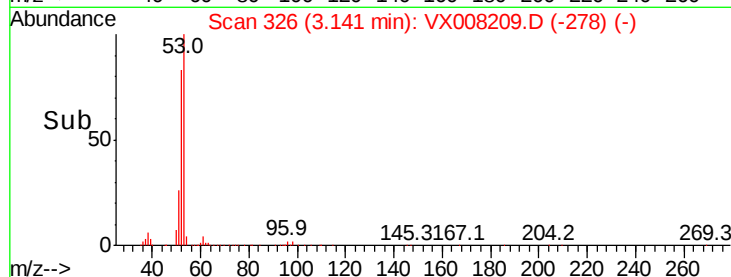
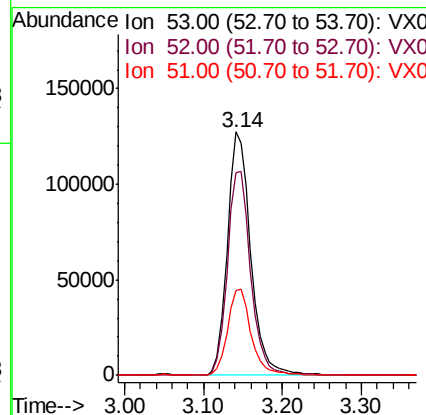
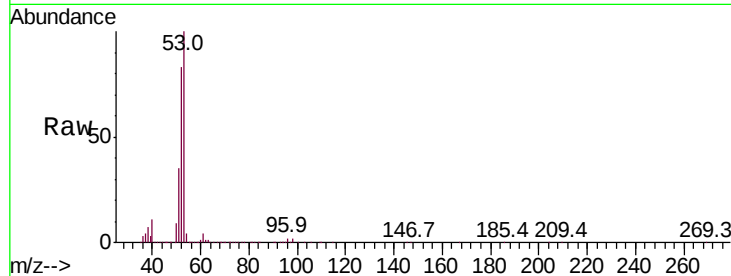
ClientSampleId :

VX0319WBSD02

Tot Ion	53	Resp	262062
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.0	99.0
51	35.9	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 94.130 ug/l

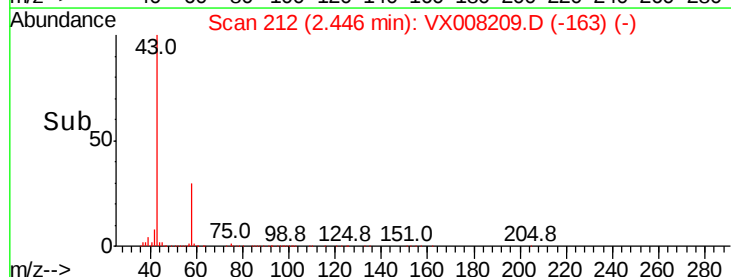
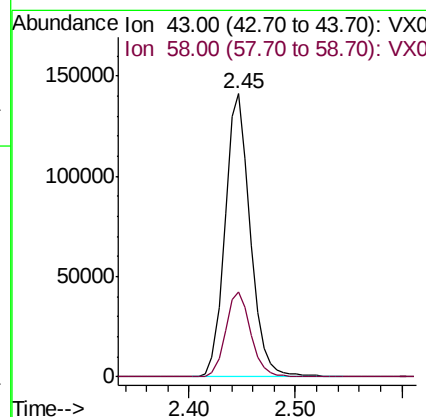
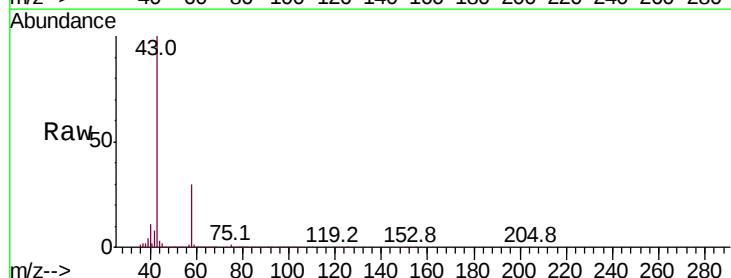
RT: 2.45 min Scan# 212

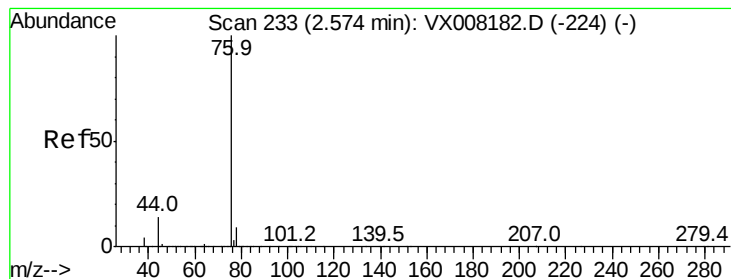
Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Tgt Ion	43	Resp	231437
Ion	Ratio	Lower	Upper
43	100		
58	30.0	25.5	38.3





#17

Carbon Disulfide

Concen: 20.062 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 76 Resp: 224029

Ion Ratio Lower Upper

76 100

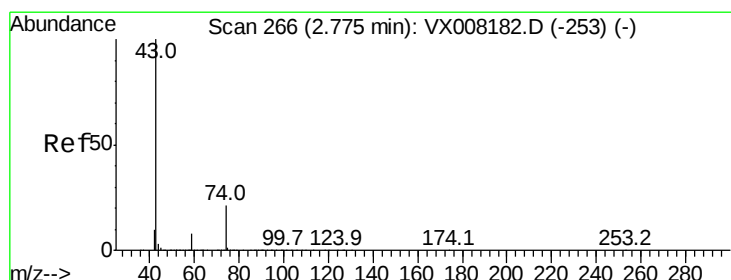
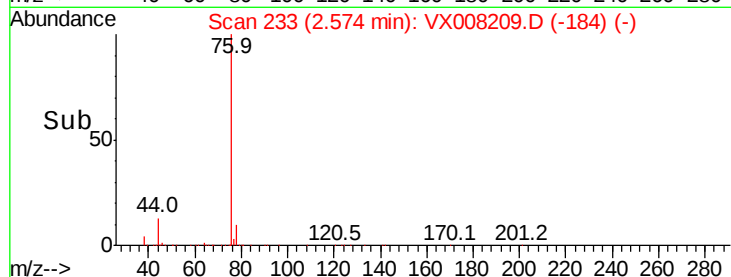
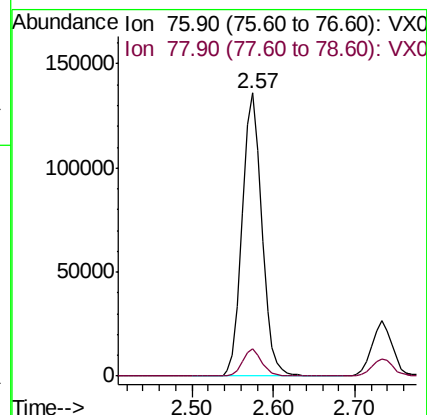
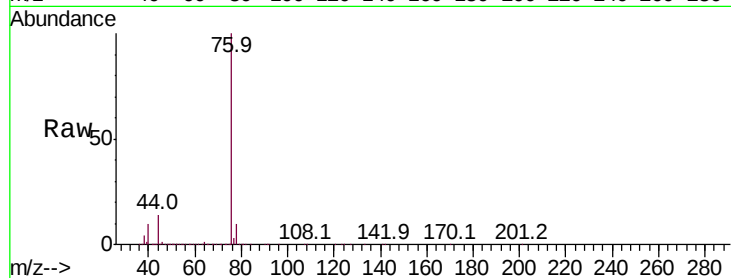
78 9.5 7.2 10.8

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#18

Methyl Acetate

Concen: 22.507 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008209.D

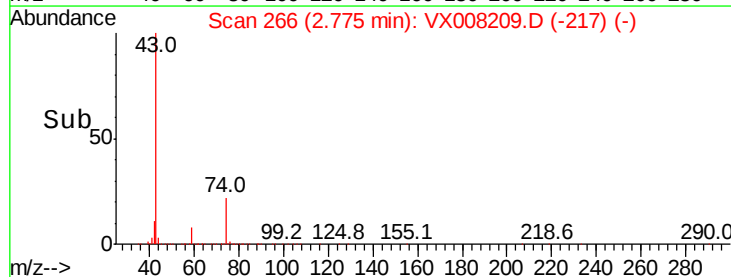
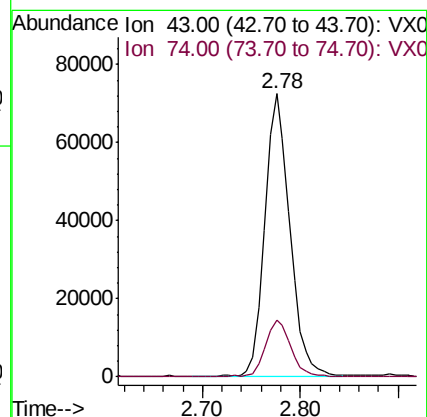
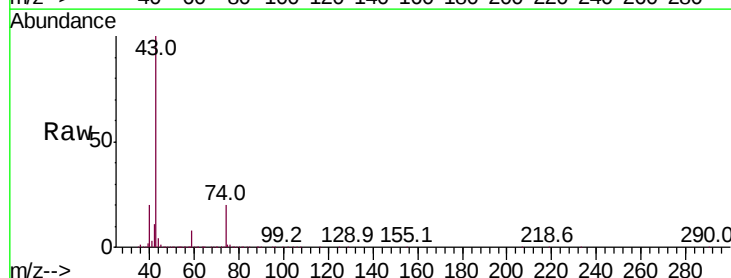
Acq: 19 Mar 2019 23:53

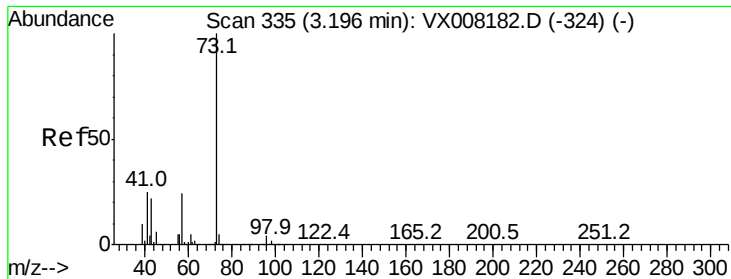
Tgt Ion: 43 Resp: 128114

Ion Ratio Lower Upper

43 100

74 20.9 17.8 26.6





#19

Methyl tert-butyl Ether

Concen: 21.069 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

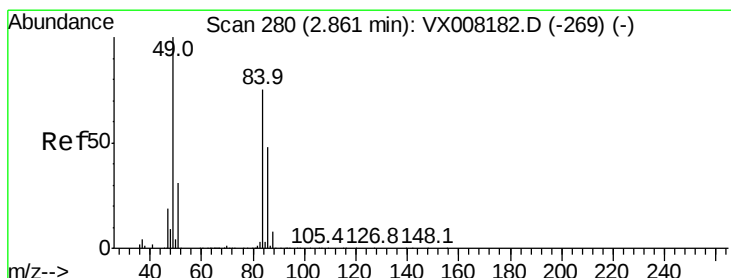
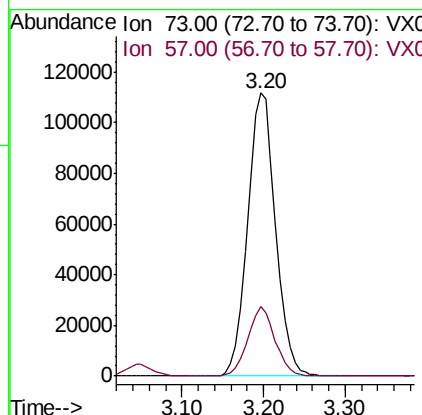
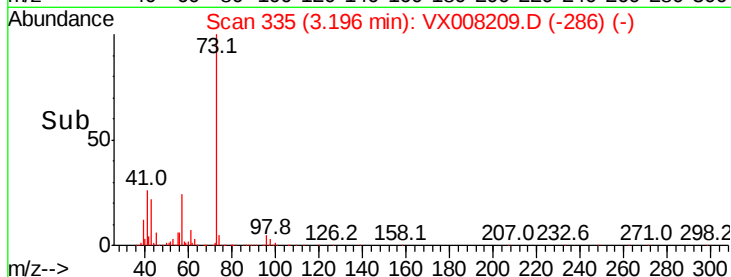
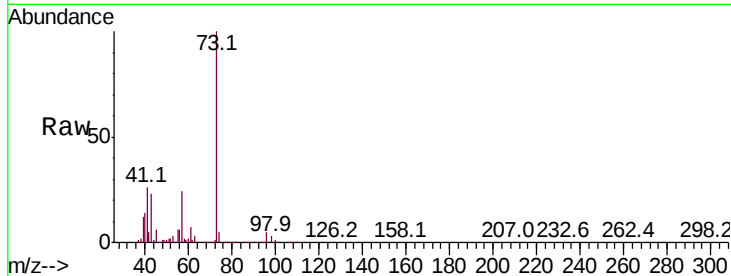
Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion: 73 Resp: 266049

Ion	Ratio	Lower	Upper
73	100		
57	24.4	18.2	27.4

Manual Integrations
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#20

Methylene Chloride

Concen: 20.638 ug/l

RT: 2.86 min Scan# 280

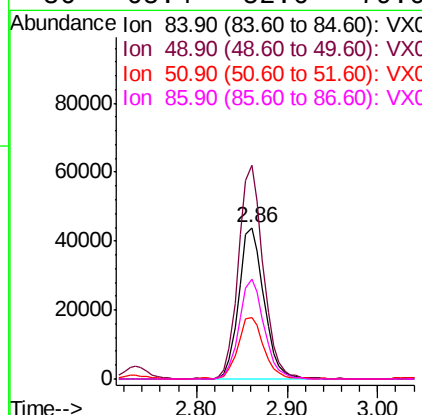
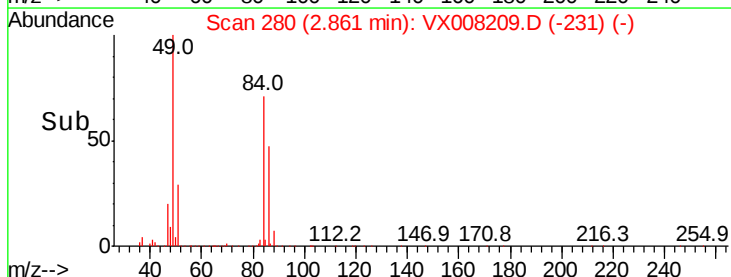
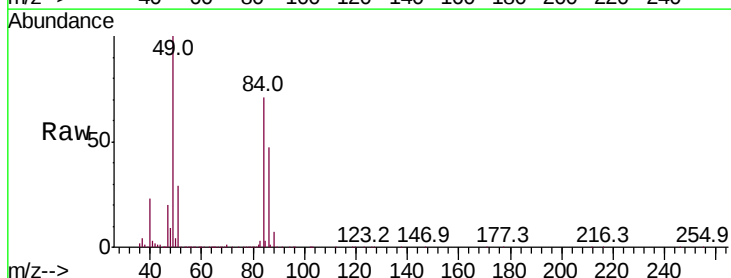
Delta R.T. -0.00 min

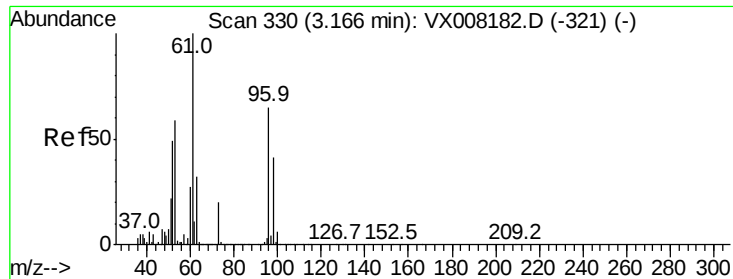
Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Tgt Ion: 84 Resp: 84614

Ion	Ratio	Lower	Upper
84	100		
49	140.7	99.3	148.9
51	40.4	31.3	46.9
86	65.4	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 20.642 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 96 Resp: 77879

Ion Ratio Lower Upper

96 100

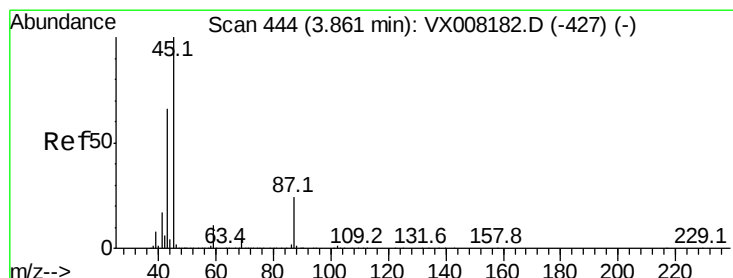
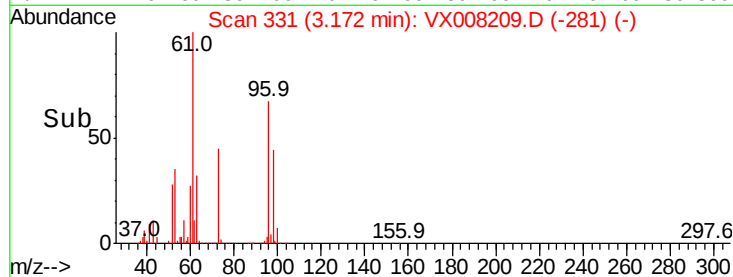
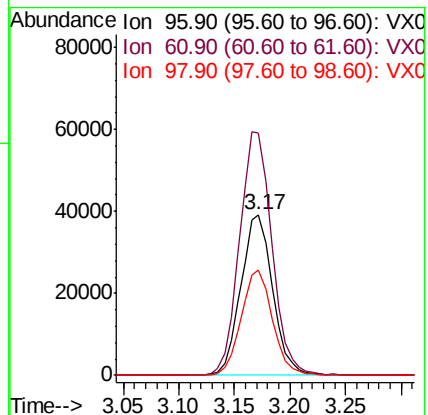
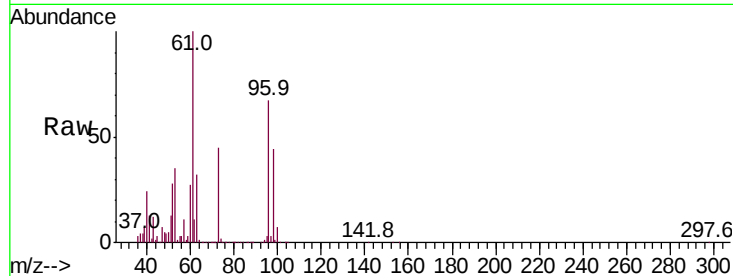
61 150.1 114.4 171.6

98 65.6 51.1 76.7

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#22

Diisopropyl ether

Concen: 21.074 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Tgt Ion: 45 Resp: 313793

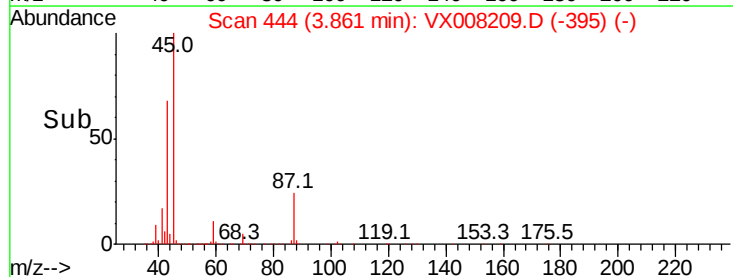
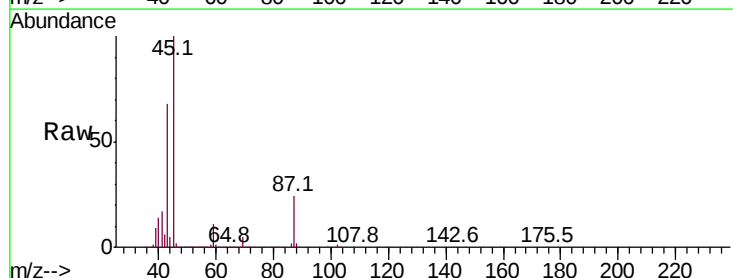
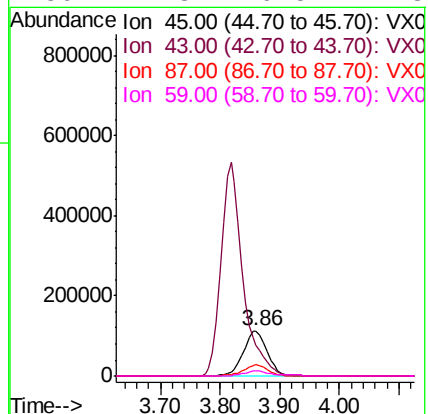
Ion Ratio Lower Upper

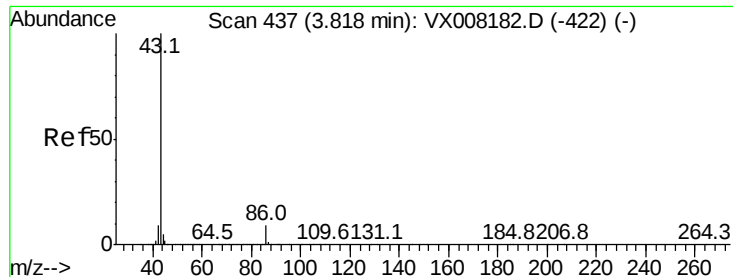
45 100

43 68.3 45.3 67.9#

87 24.3 21.4 32.0

59 11.3 9.5 14.3





#23

Vinyl Acetate

Concen: 106.716 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 43 Resp: 1362313

Ion Ratio Lower Upper

43 100

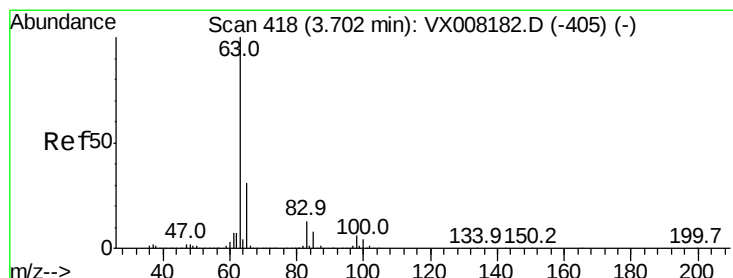
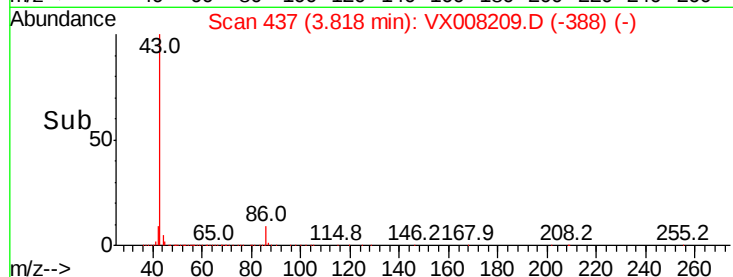
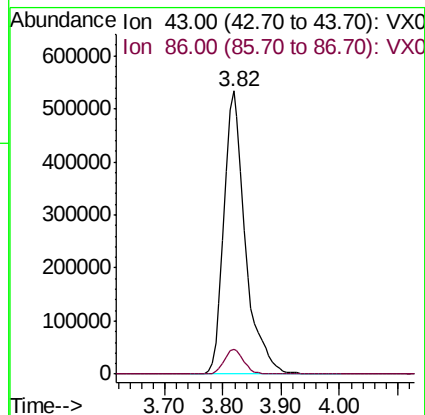
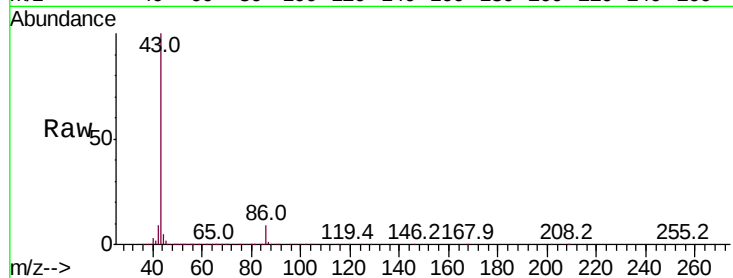
86 8.9 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.257 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

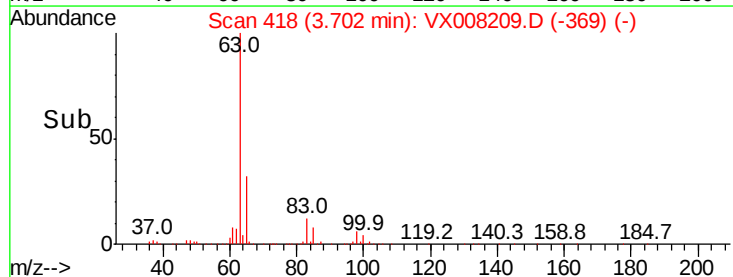
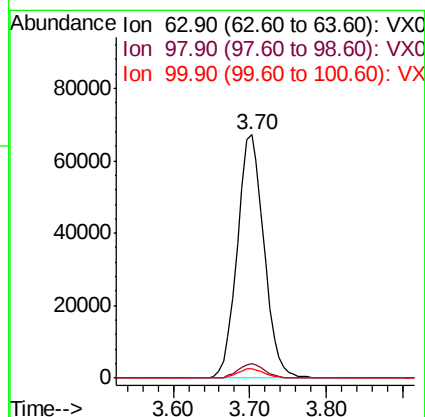
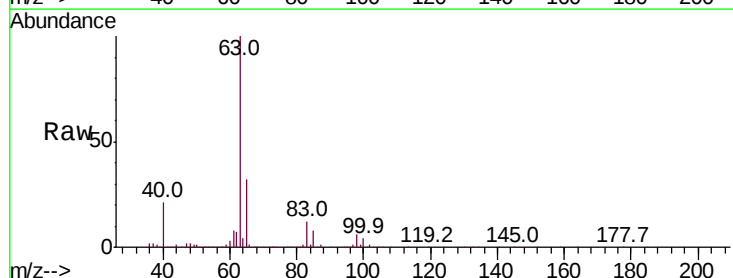
Tgt Ion: 63 Resp: 162787

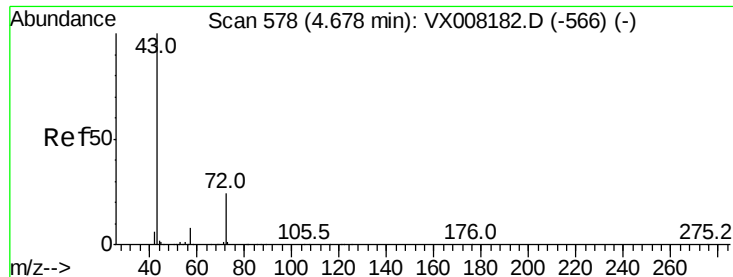
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.0 2.3 6.8





#25

2-Butanone

Concen: 104.410 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 43 Resp: 378941

Ion Ratio Lower Upper

43 100

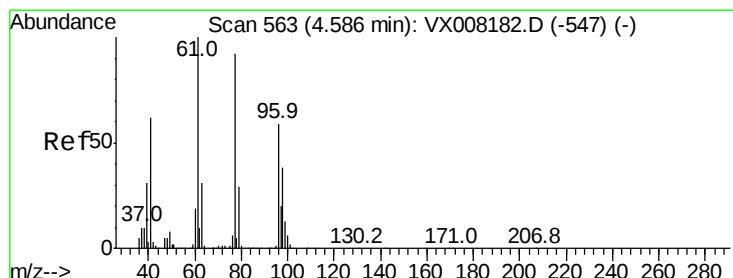
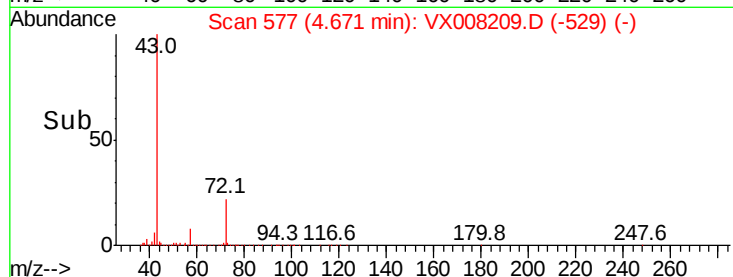
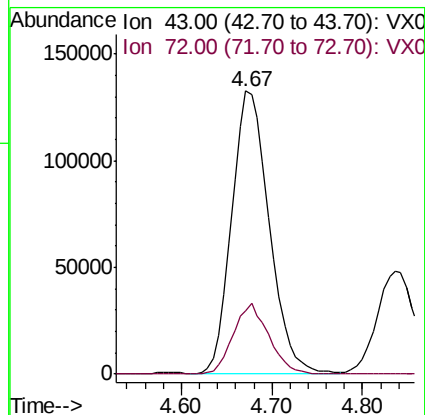
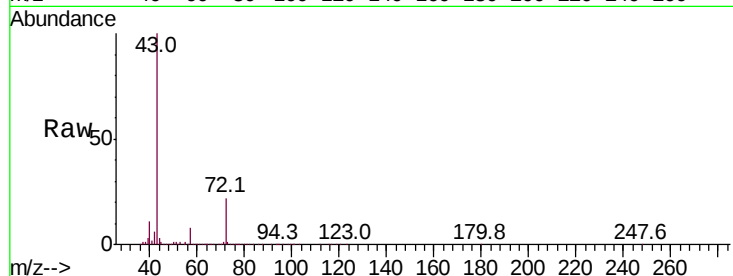
72 22.3 19.9 29.9

Manual Integrations

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3/20/2019 10:27:38 AM



#26

2,2-Dichloropropane

Concen: 17.035 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008209.D

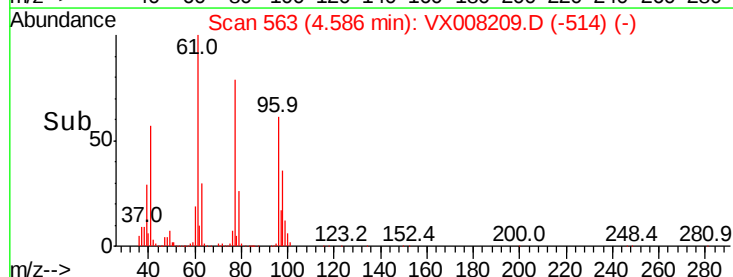
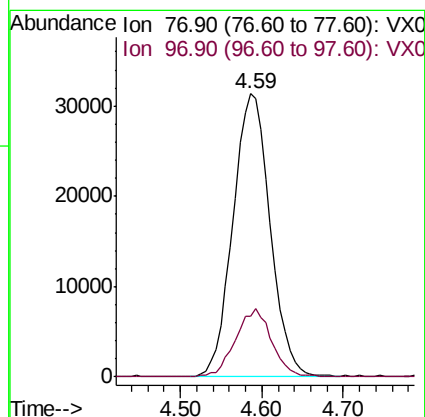
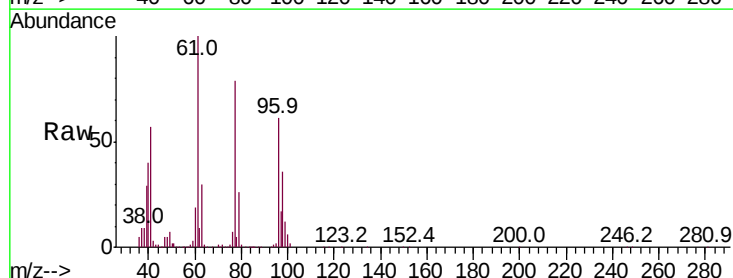
Acq: 19 Mar 2019 23:53

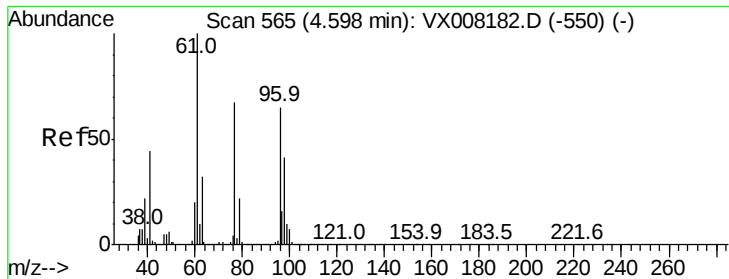
Tgt Ion: 77 Resp: 98276

Ion Ratio Lower Upper

77 100

97 23.4 12.2 36.6





#27

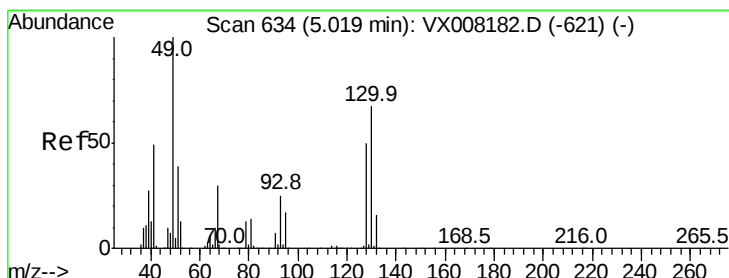
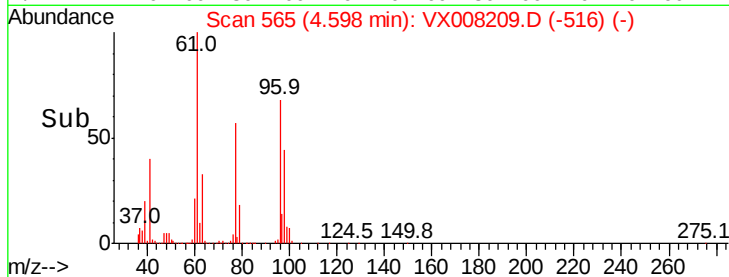
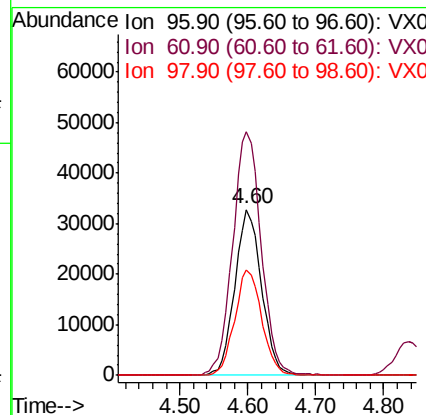
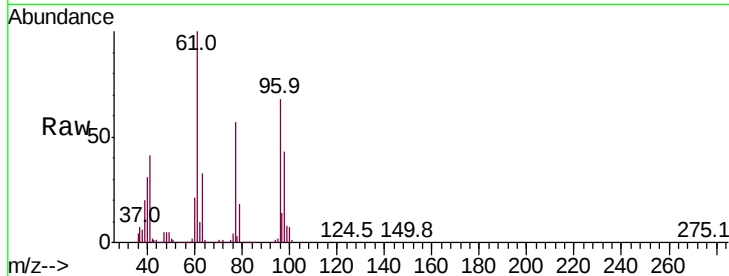
cis-1,2-Dichloroethene
 Concen: 20.835 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008209.D
 Acq: 19 Mar 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	89613		
61	155.3	0.0	288.0	
98	64.3	0.0	129.0	

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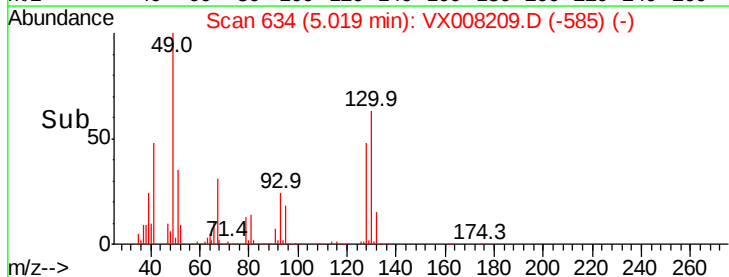
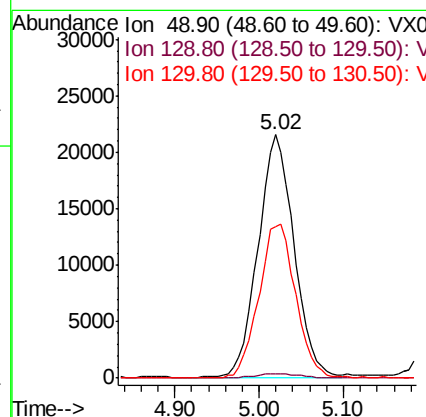
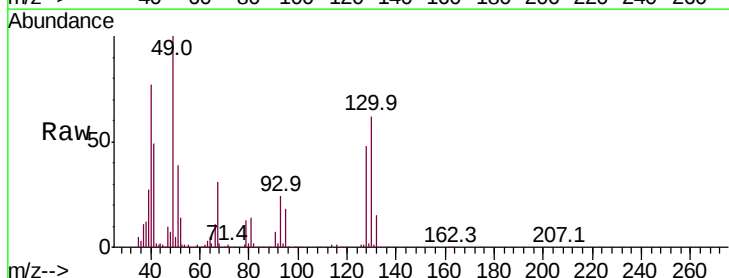
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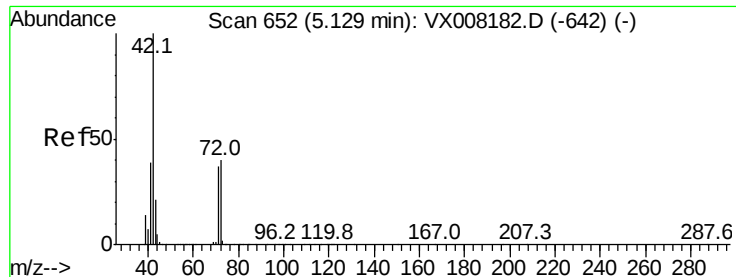


#28

Bromochloromethane
 Concen: 18.451 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX008209.D
 Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	63450		
129	2.1	0.0	4.0	
130	64.8	65.0	97.4#	





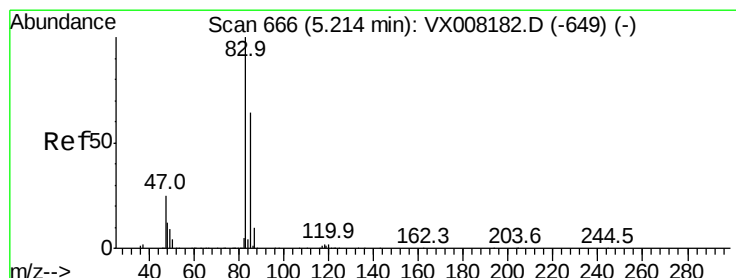
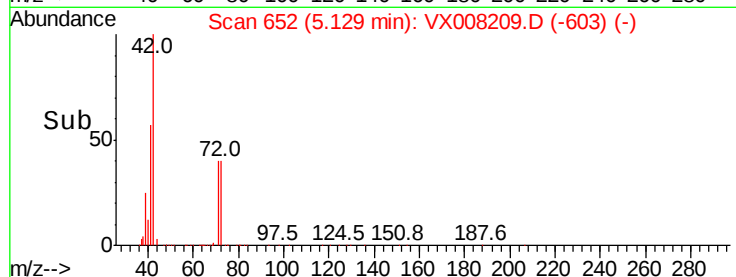
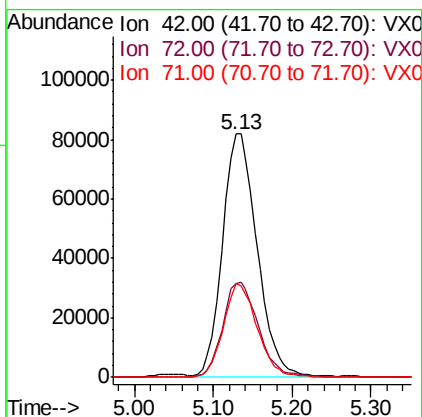
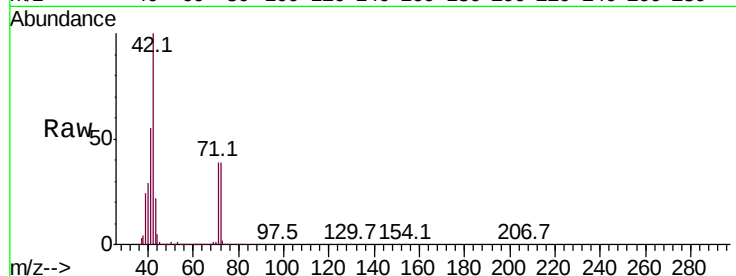
#29
Tetrahydrofuran
Concen: 109.746 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.8	50.6
71	38.0	31.5	47.3

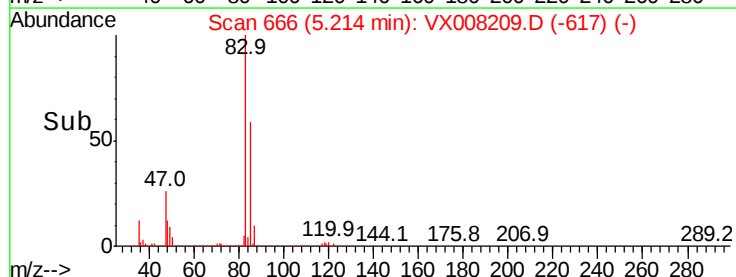
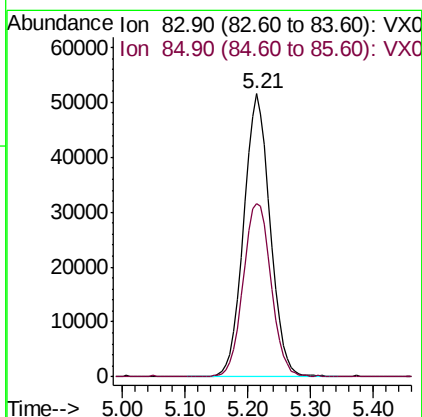
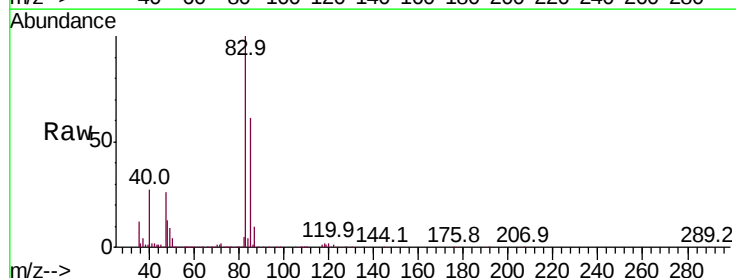
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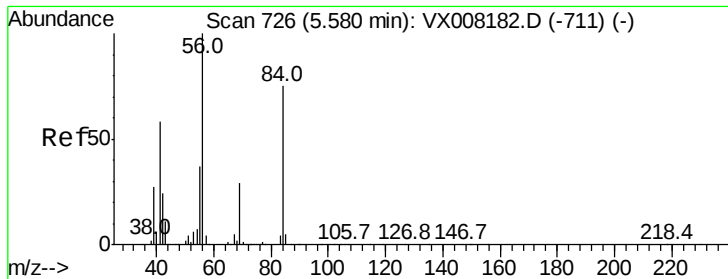
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#30
Chloroform
Concen: 21.013 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.8	77.6





#31

Cvclohexane

Concen: 20.541 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

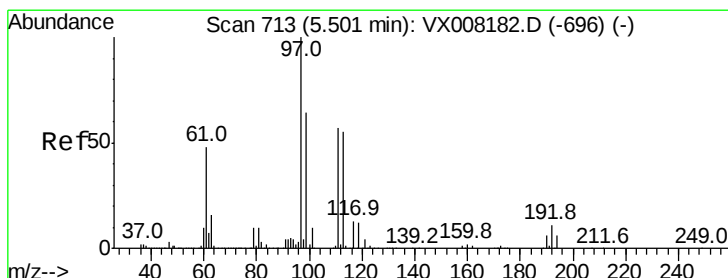
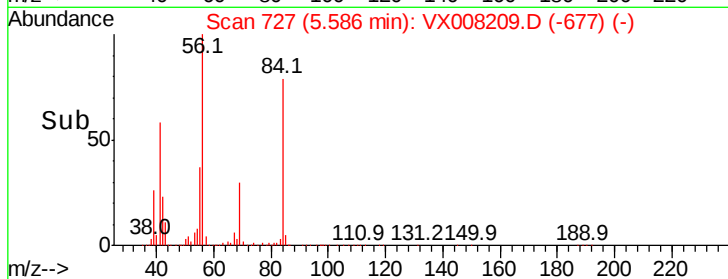
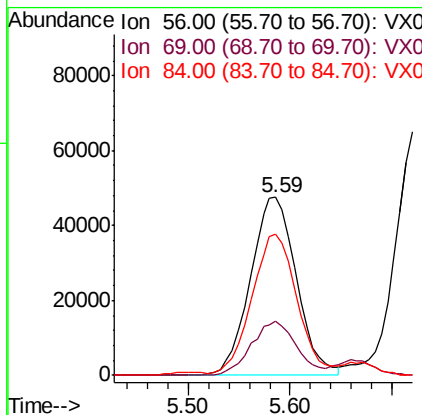
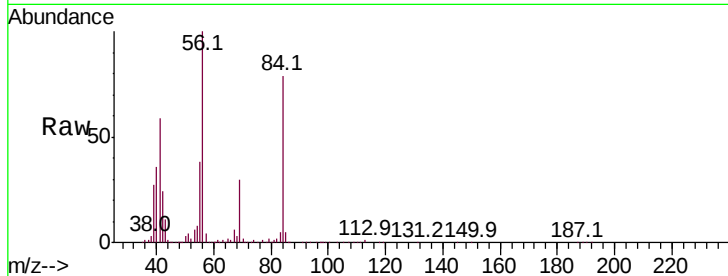
ClientSampleId :

VX0319WBSD02

Tot Ion:	56	Resp:	147717
Ion Ratio	Lower	Upper	
56	100		
69	30.0	24.0	36.0
84	77.8	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 21.104 ug/l

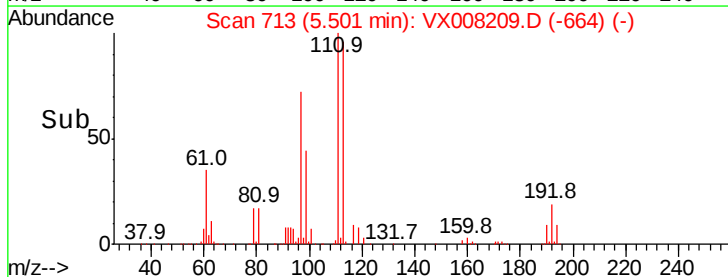
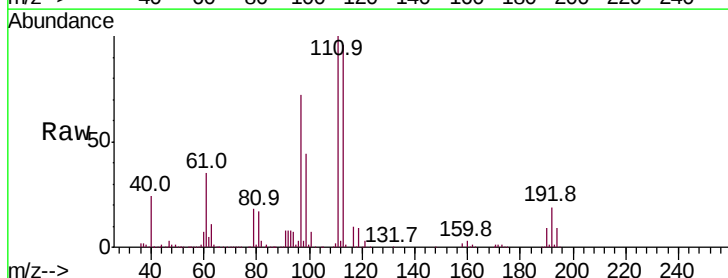
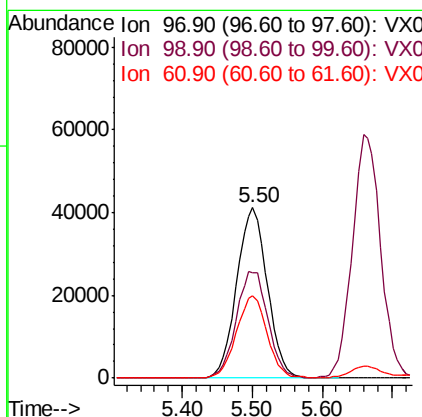
RT: 5.50 min Scan# 713

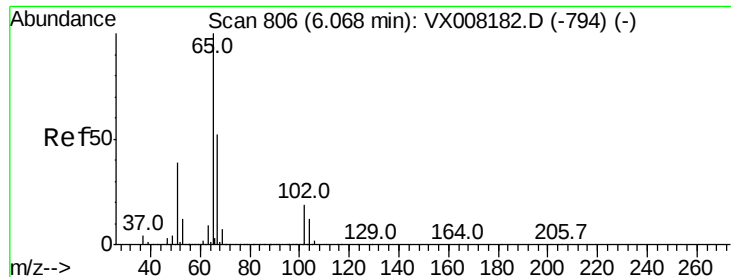
Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Tgt Ion:	97	Resp:	125759
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.2	78.2
61	48.6	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 49.234 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 65 Resp: 213432

Ion Ratio Lower Upper

65 100

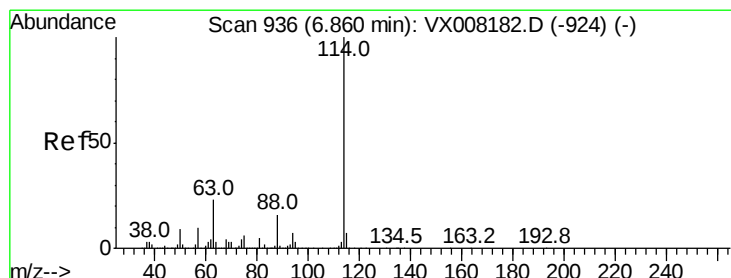
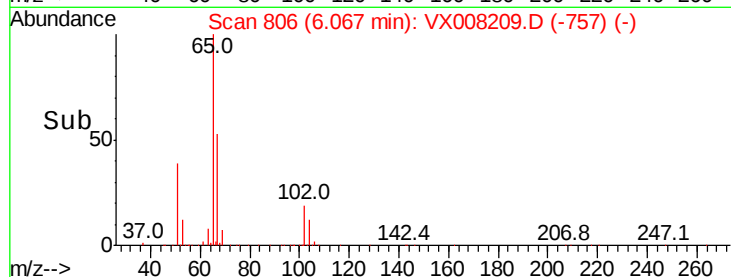
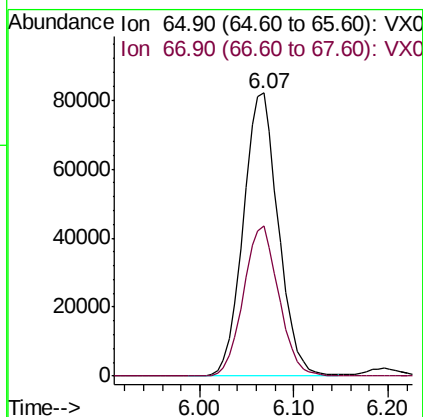
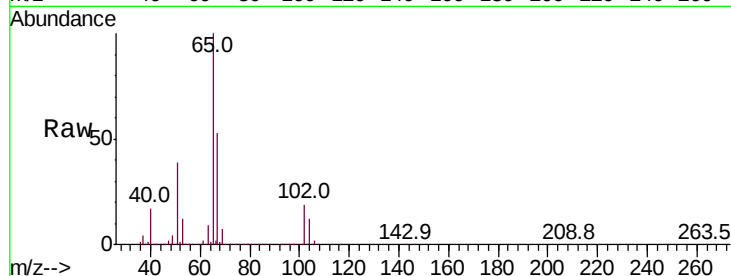
67 53.6 0.0 110.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

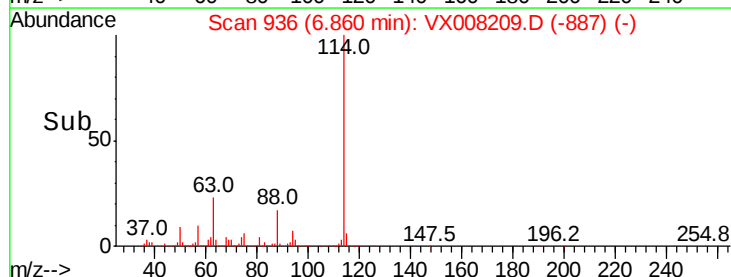
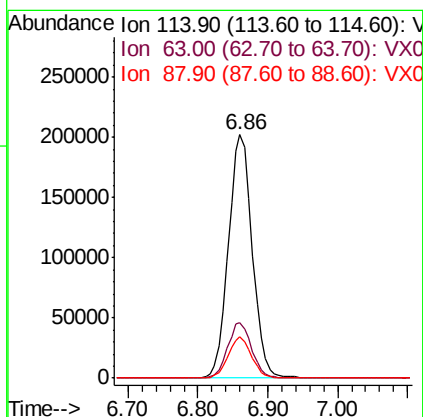
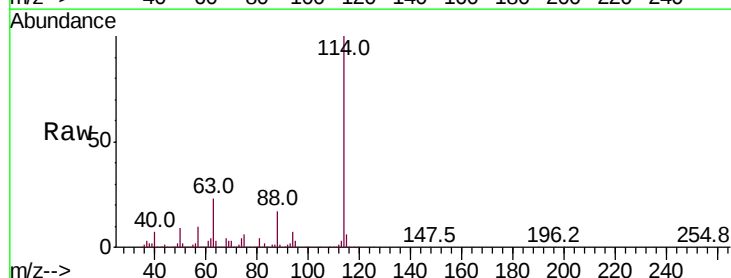
Tgt Ion: 114 Resp: 478846

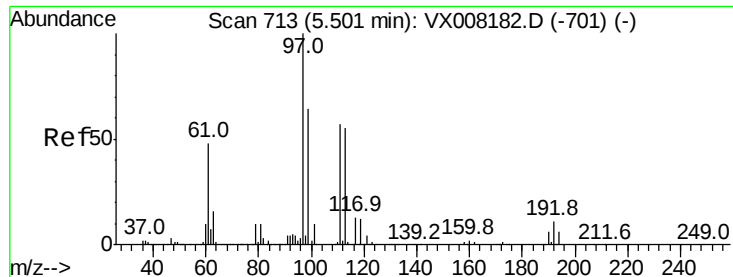
Ion Ratio Lower Upper

114 100

63 23.0 0.0 39.8

88 16.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.539 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

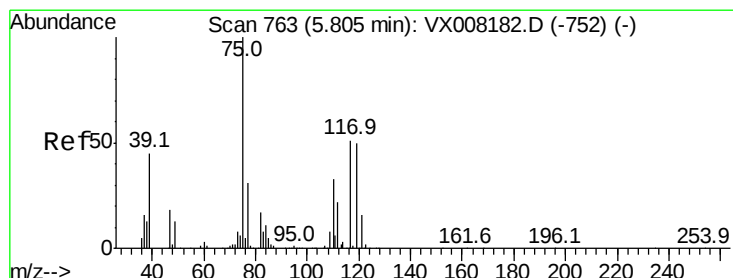
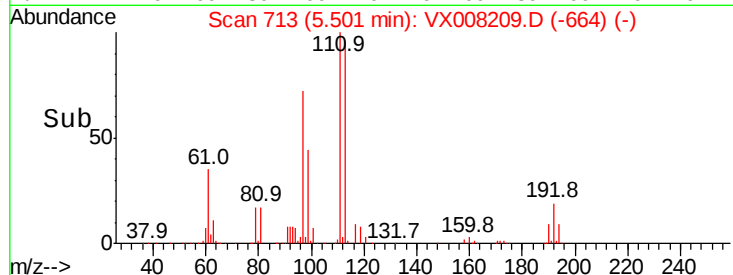
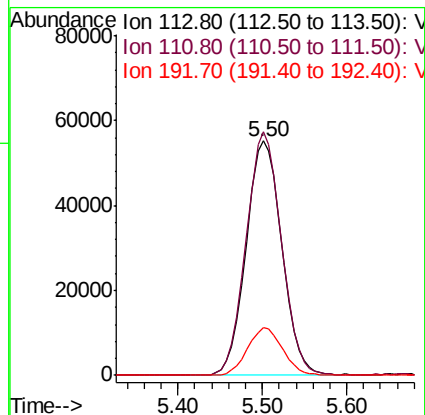
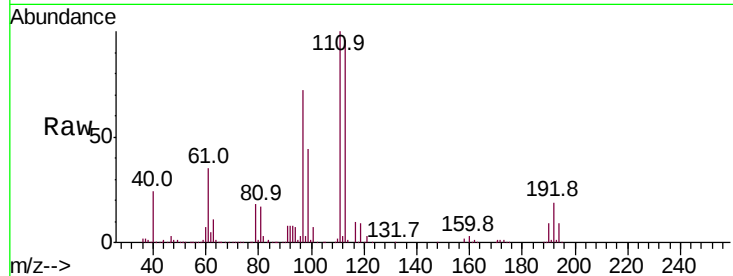
ClientSampleId :

VX0319WBSD02

Tot Ion:	113	Resp:	158801
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.4	122.0
192	20.2	19.4	29.0

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#36

1,1-Dichloropropene

Concen: 20.849 ug/l

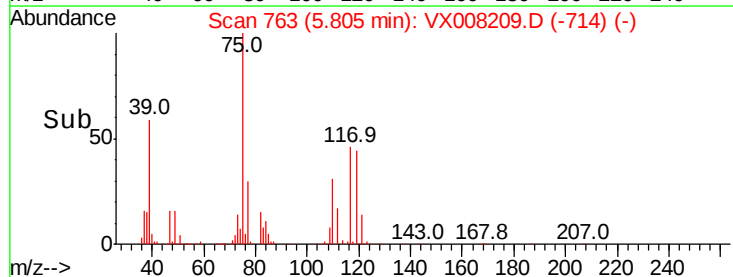
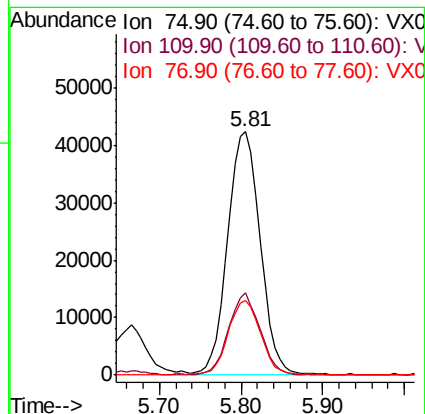
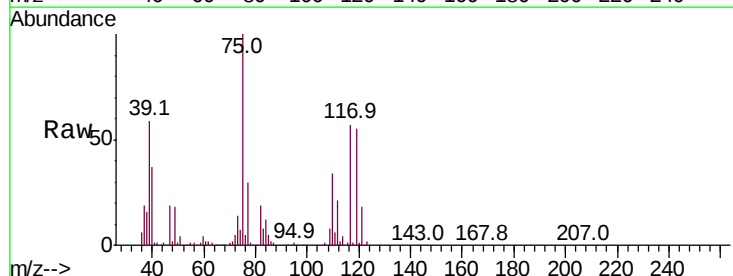
RT: 5.81 min Scan# 763

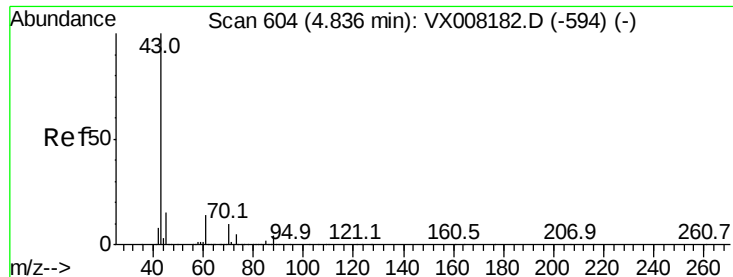
Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Tgt Ion:	75	Resp:	116232
Ion Ratio	Lower	Upper	
75	100		
110	32.7	18.4	55.0
77	30.6	25.0	37.4





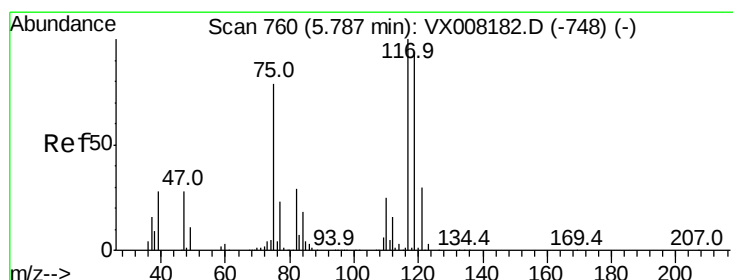
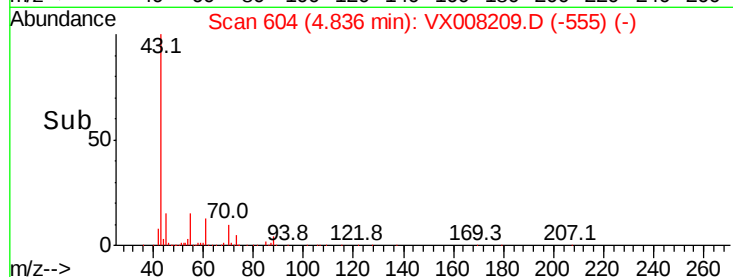
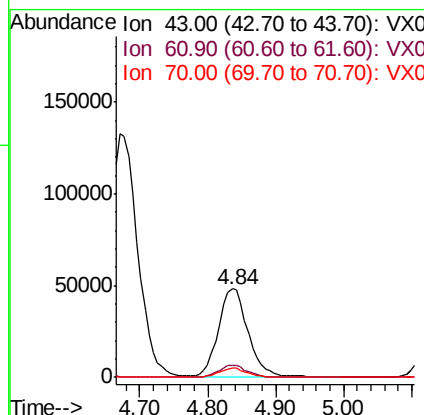
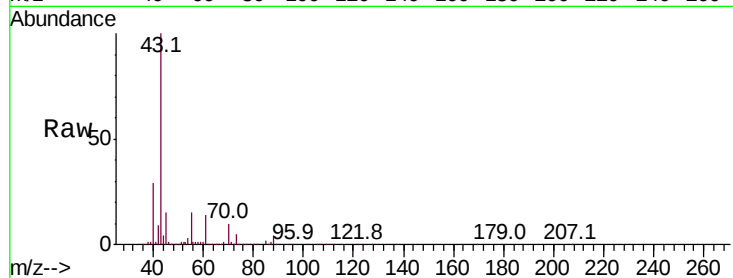
#37
Ethyl Acetate
Concen: 21.969 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.3	16.9
70	10.0	8.5	12.7

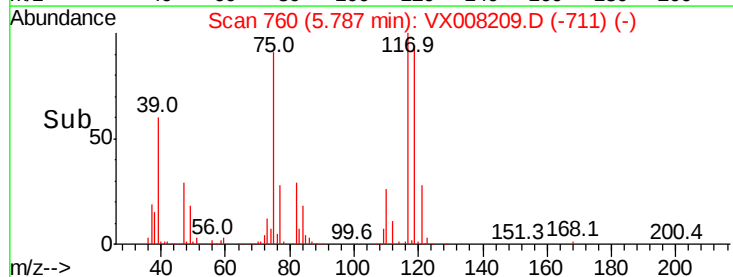
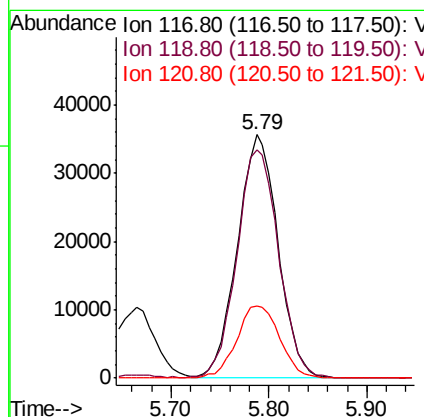
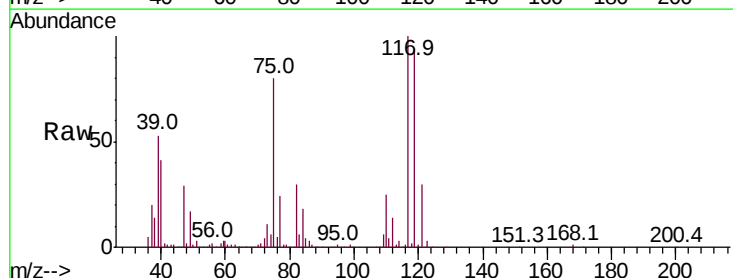
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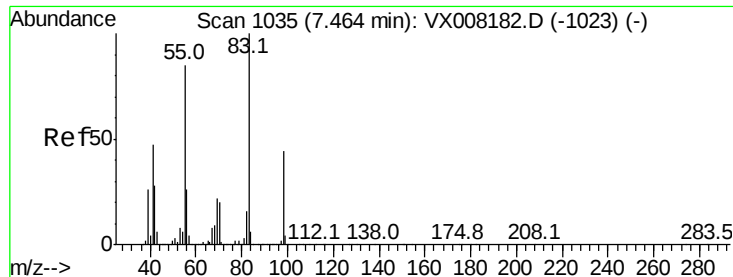
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#38
Carbon Tetrachloride
Concen: 20.533 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.2	114.2
121	29.7	24.6	36.8





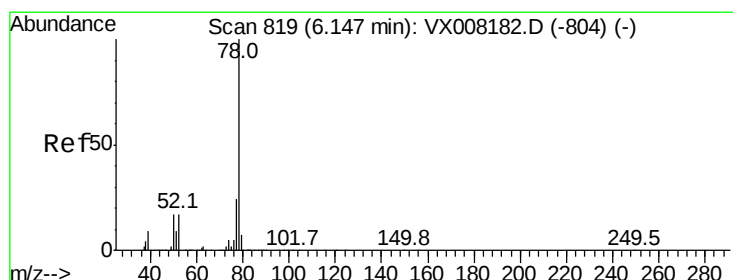
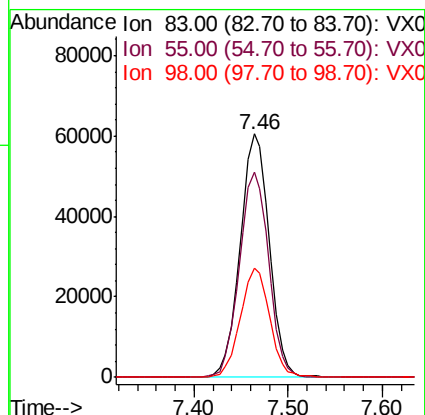
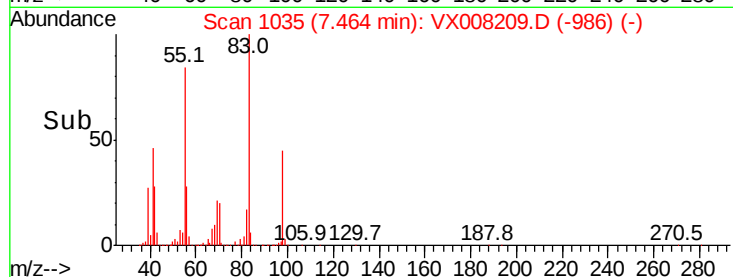
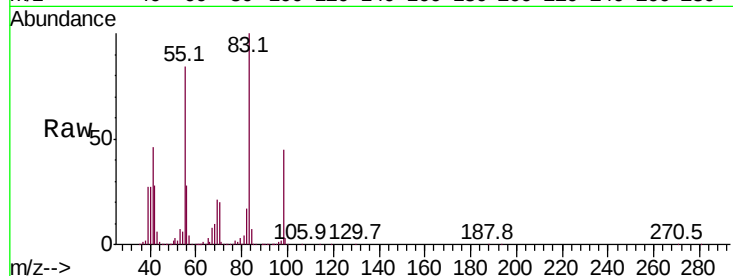
#39
Methvlcvclohexane
Concen: 19.511 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.1	60.4	90.6	
98	45.0	36.5	54.7	

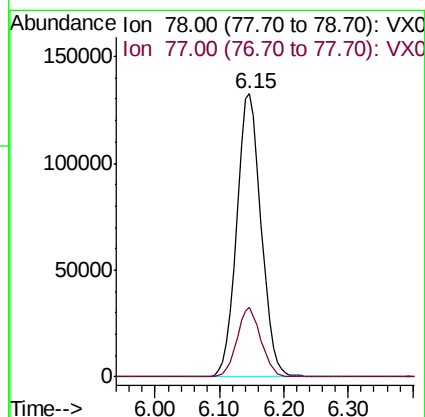
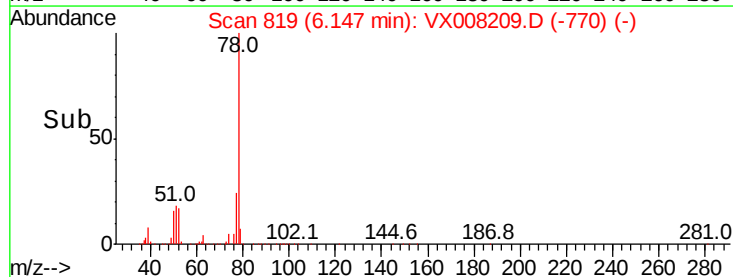
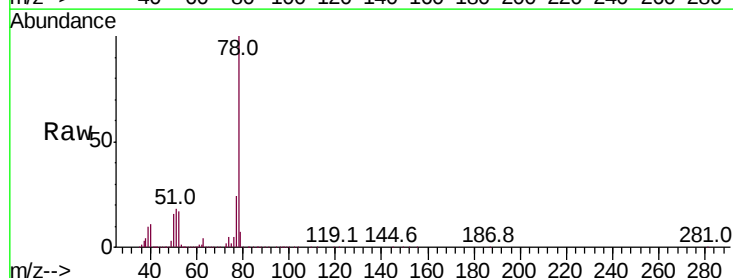
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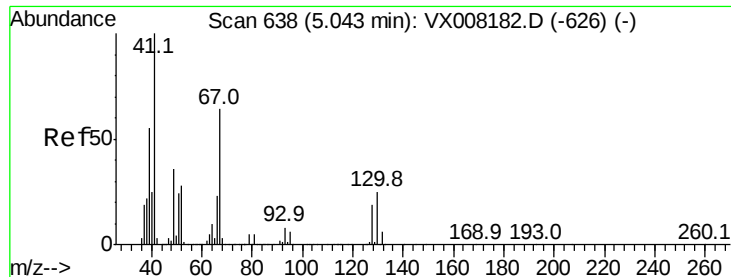
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#40
Benzene
Concen: 21.217 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.0	28.4	





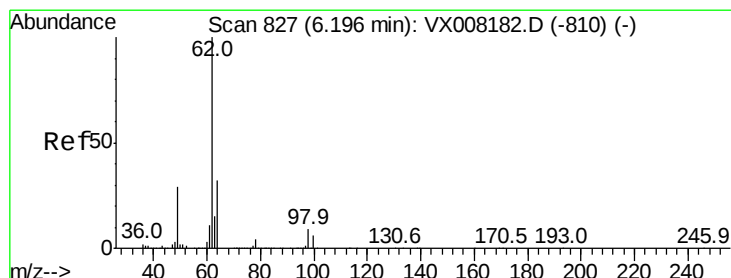
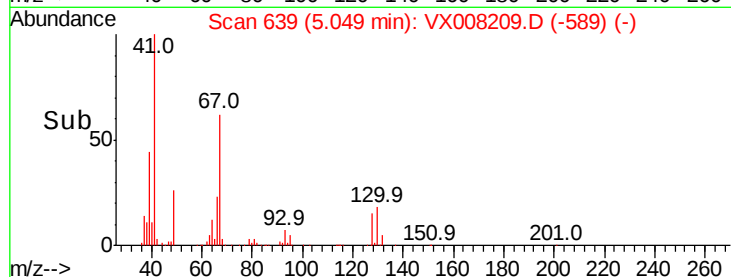
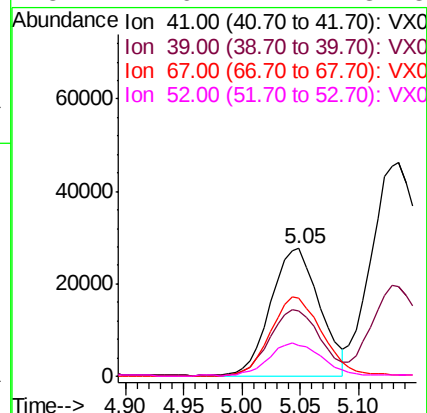
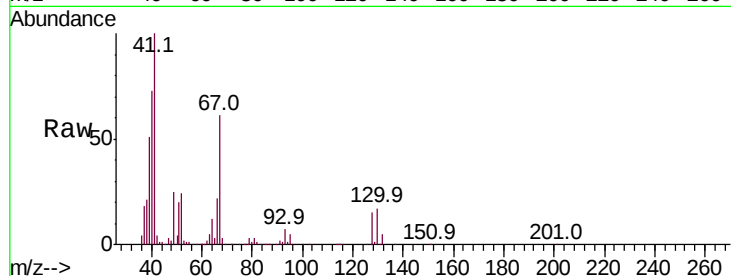
#41
Methacrylonitrile
Concen: 21.709 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	41.6	62.4	
67	66.8	55.8	83.6	
52	27.6	21.7	32.5	

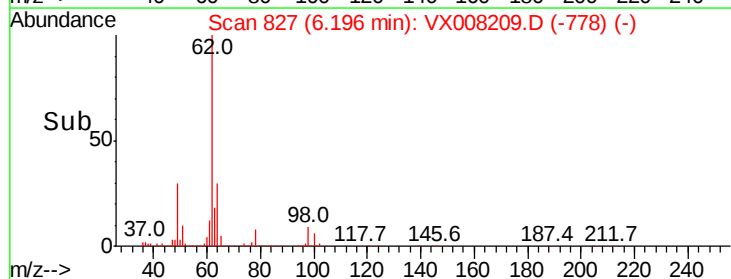
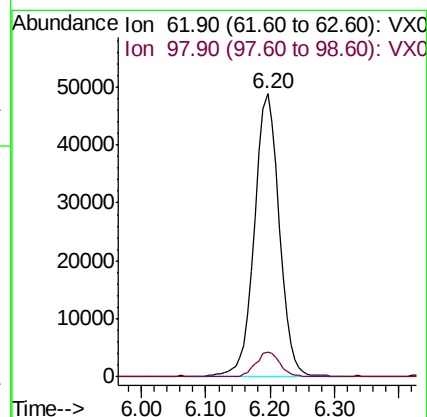
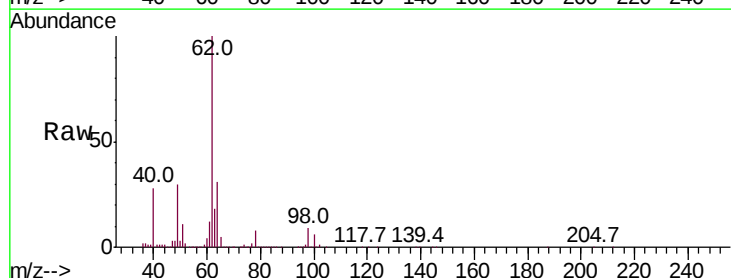
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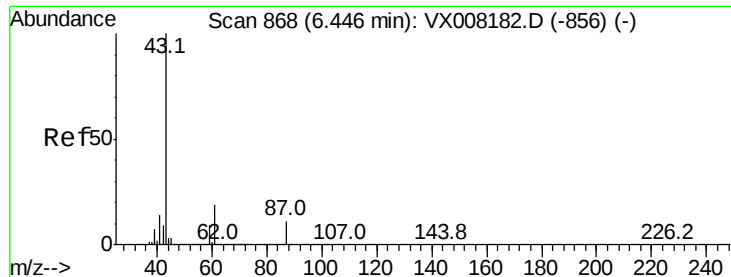
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.373 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	20.4	





#43

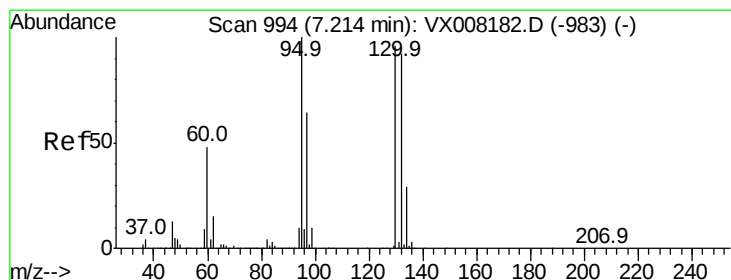
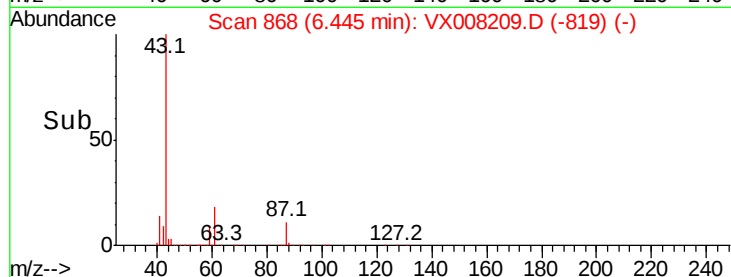
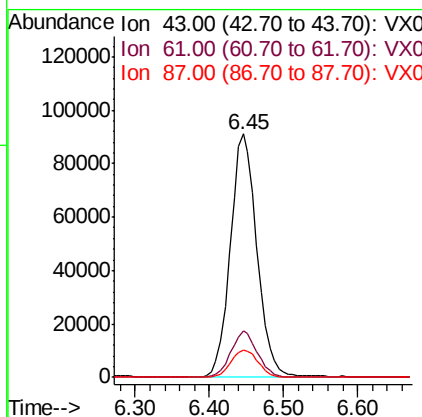
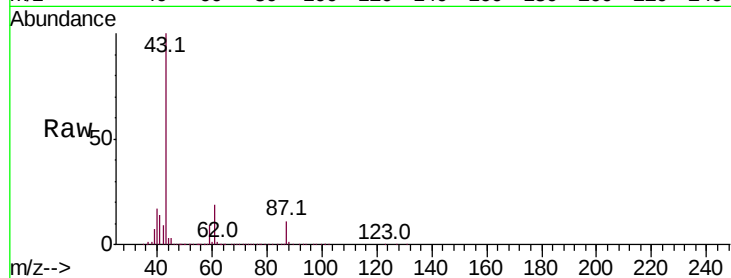
Isopropyl Acetate
 Concen: 21.445 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008209.D
 Acq: 19 Mar 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	16.3	24.5
87	11.8	10.5	15.7

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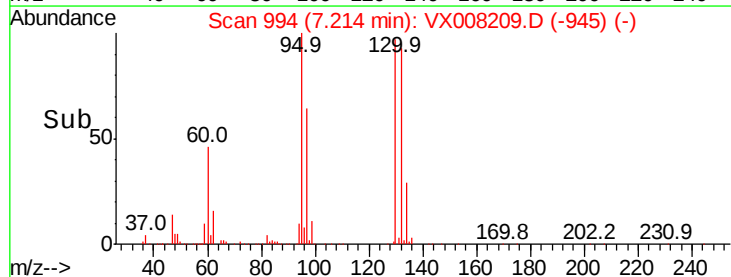
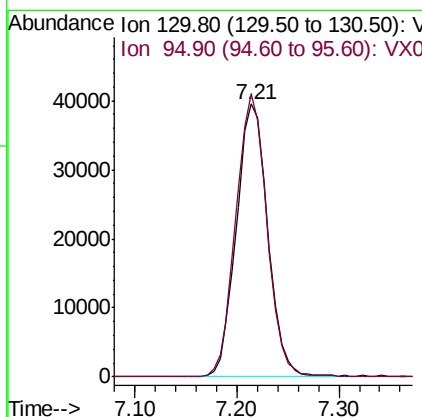
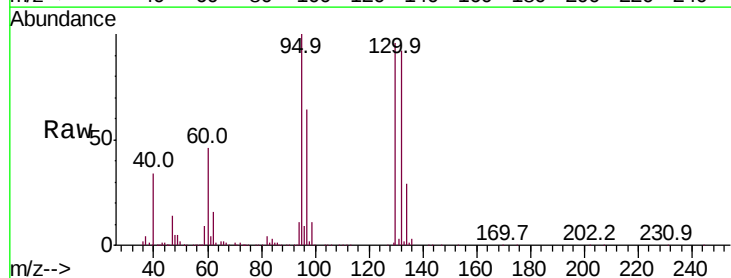
MMDadoda
 3/20/2019 10:27:38 AM

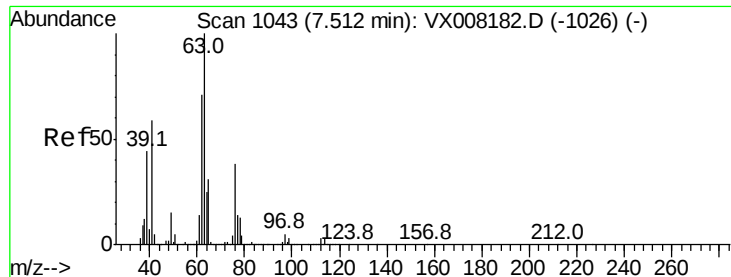


#44

Trichloroethene
 Concen: 20.968 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008209.D
 Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	188.0





#45

1,2-Dichloropropane

Concen: 21.101 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleID :

VX0319WBSD02

Tot Ion: 63 Resp: 97469

Ion Ratio Lower Upper

63 100

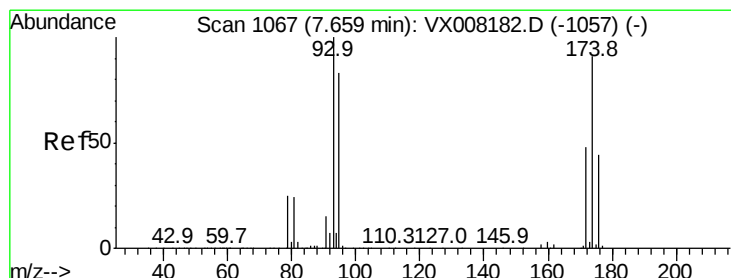
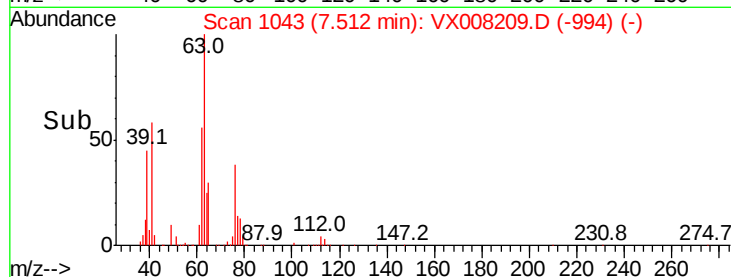
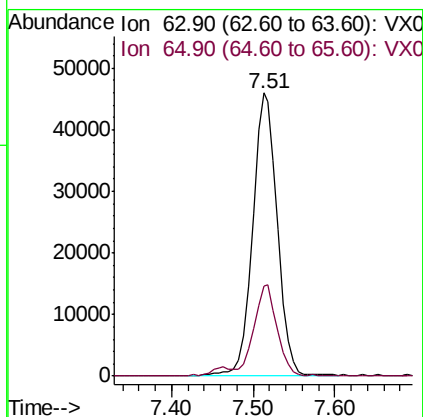
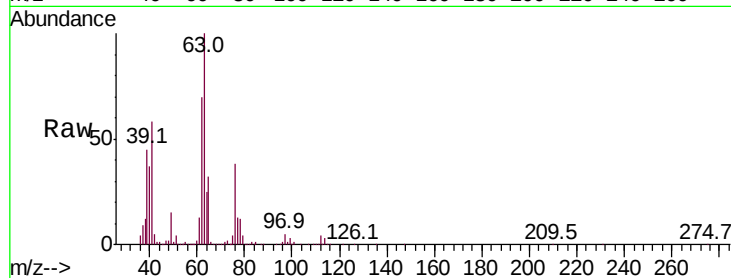
65 31.5 24.7 37.1

Manual Integrations

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3/20/2019 10:27:38 AM



#46

Dibromomethane

Concen: 20.553 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

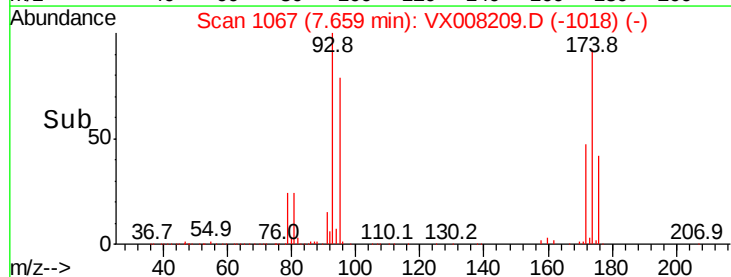
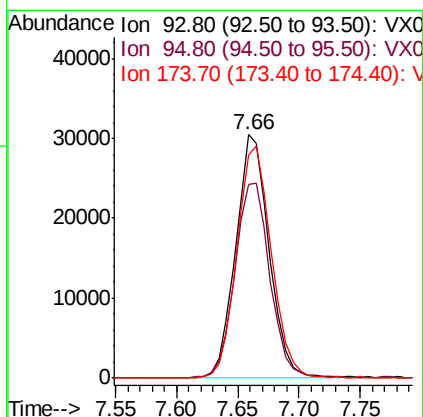
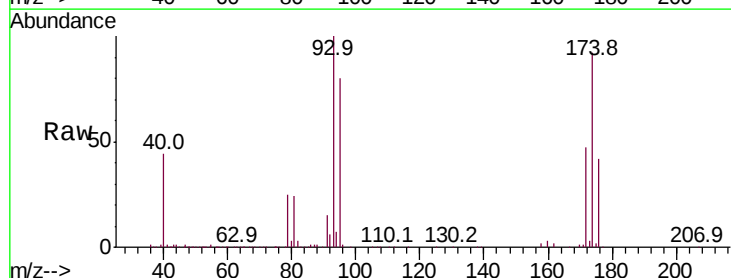
Tgt Ion: 93 Resp: 57483

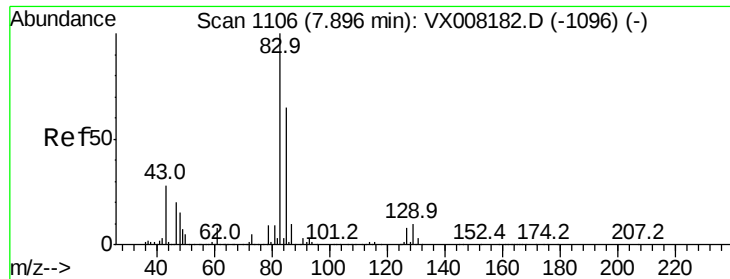
Ion Ratio Lower Upper

93 100

95 84.4 66.8 100.2

174 98.5 97.3 145.9





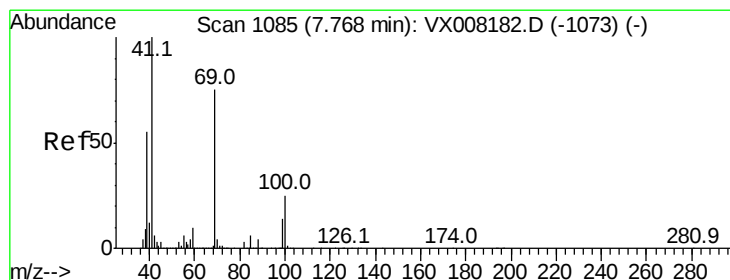
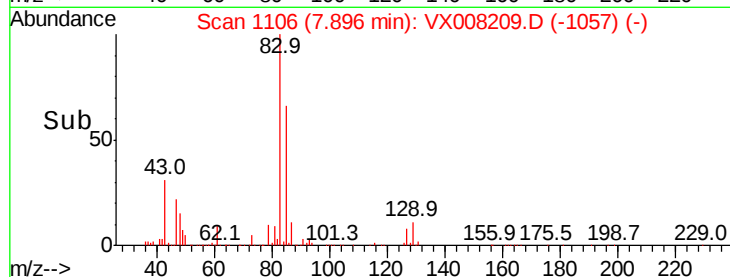
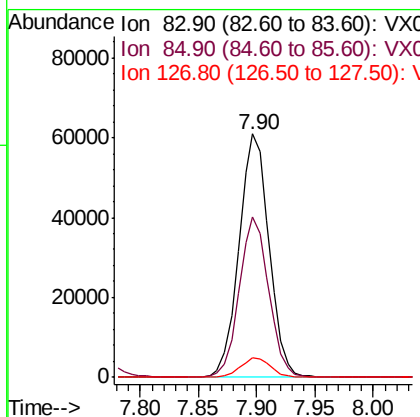
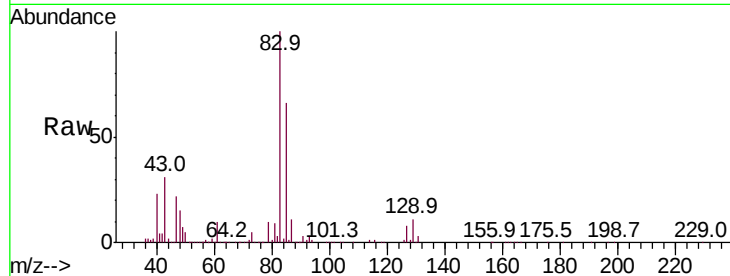
#47
 Bromodichloromethane
 Concen: 20.585 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX008209.D
 Acq: 19 Mar 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.9	76.3
127	7.9	7.4	11.0

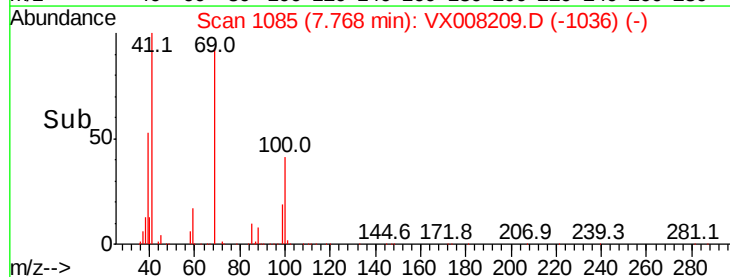
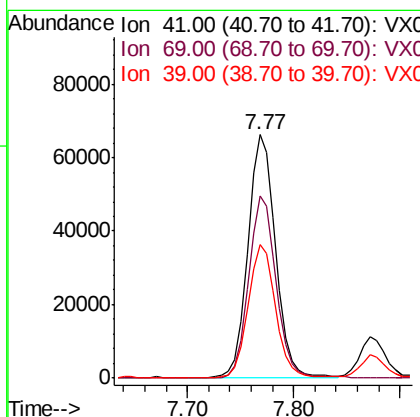
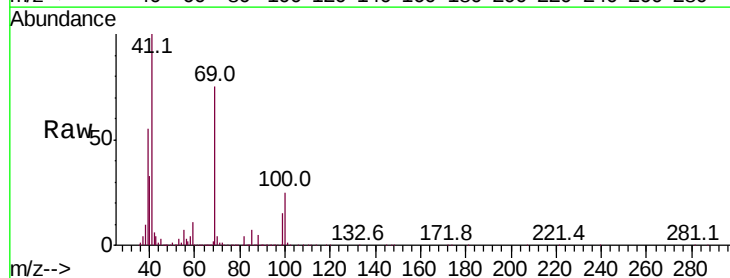
Manual Integrations
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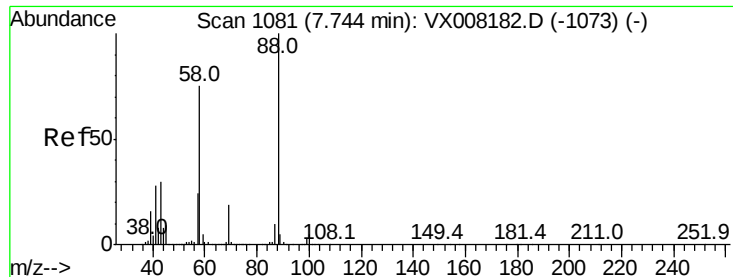
MMDadoda
 3/20/2019 10:27:38 AM



#48
 Methyl methacrylate
 Concen: 21.326 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008209.D
 Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.3	65.2	97.8
39	54.7	39.4	59.2





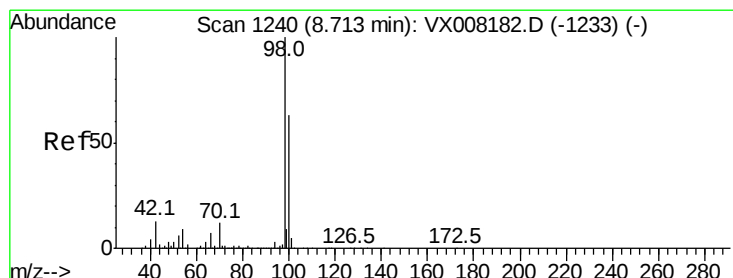
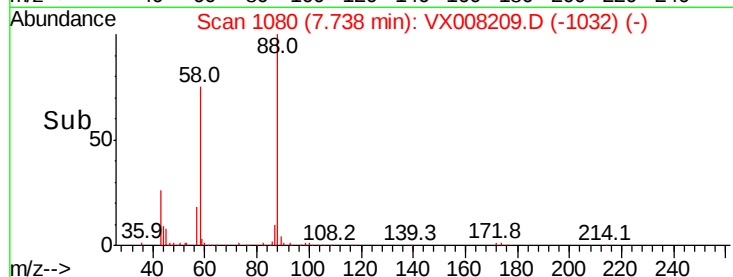
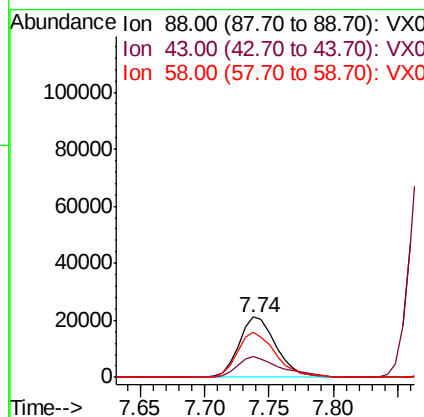
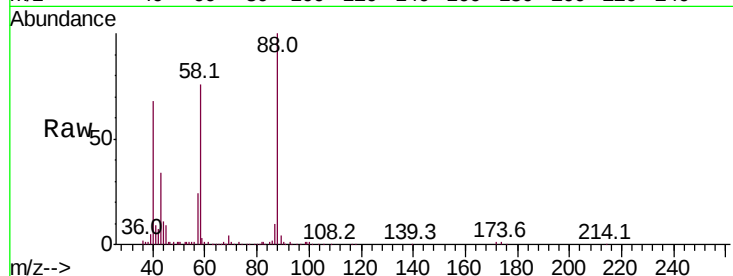
#49
1,4-Dioxane
Concen: 423.743 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	25.1	37.7#
58	75.9	57.8	86.6

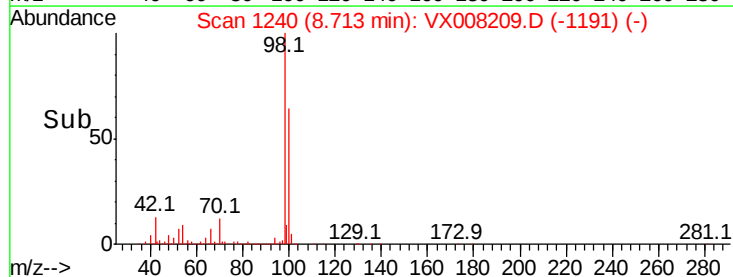
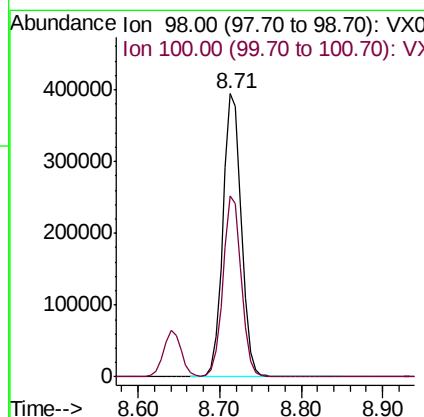
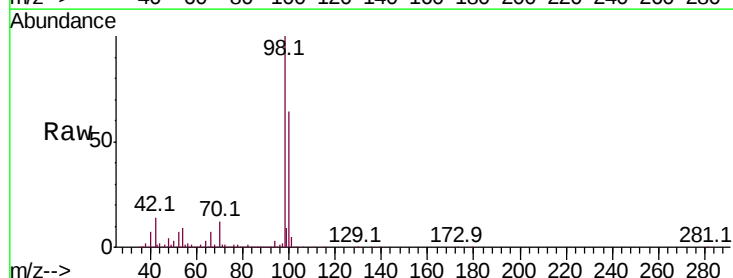
Manual Integrations
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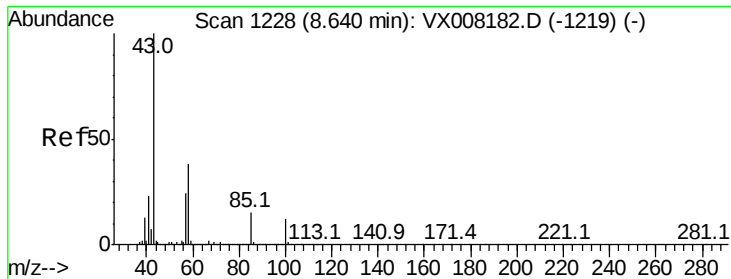
MMDadoda
3/20/2019 10:27:38 AM



#50
Toluene-d8
Concen: 50.856 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 110.642 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 43 Resp: 75592

Ion Ratio Lower Upper

43 100

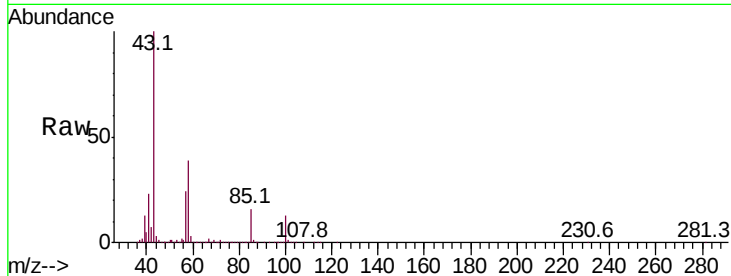
58 37.6 31.3 46.9

Manual Integrations

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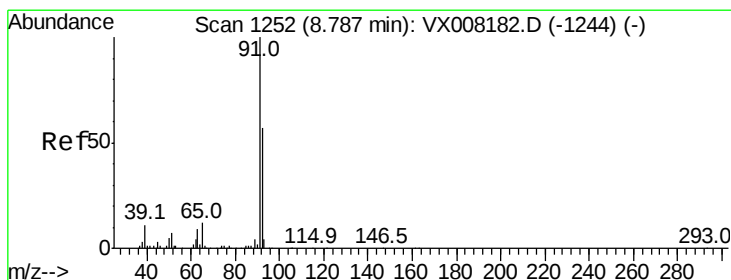
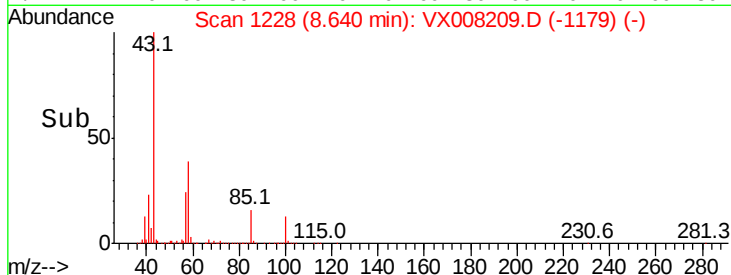
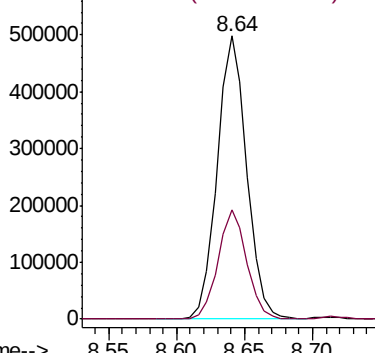
MMDadoda

3/20/2019 10:27:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 21.235 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008209.D

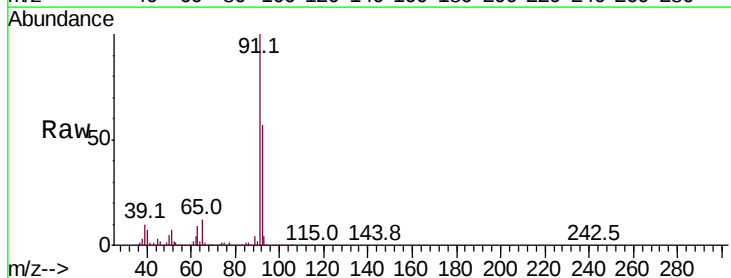
Acq: 19 Mar 2019 23:53

Tgt Ion: 92 Resp: 207874

Ion Ratio Lower Upper

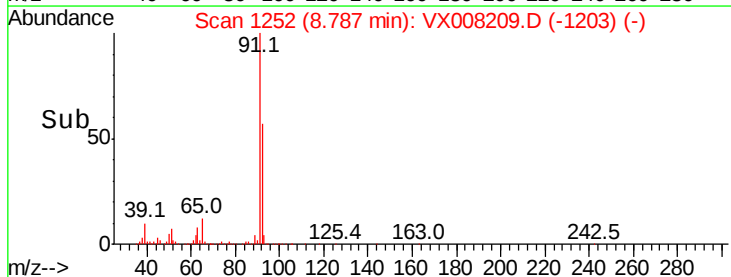
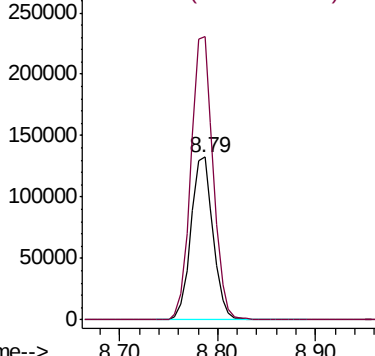
92 100

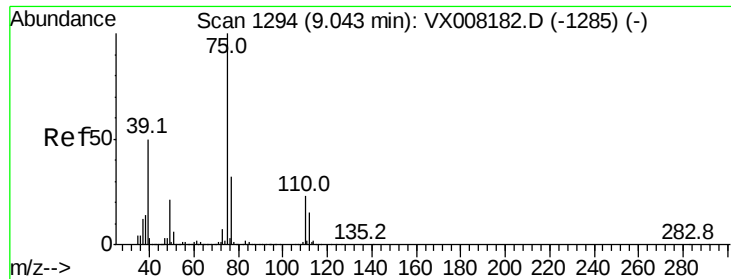
91 174.0 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





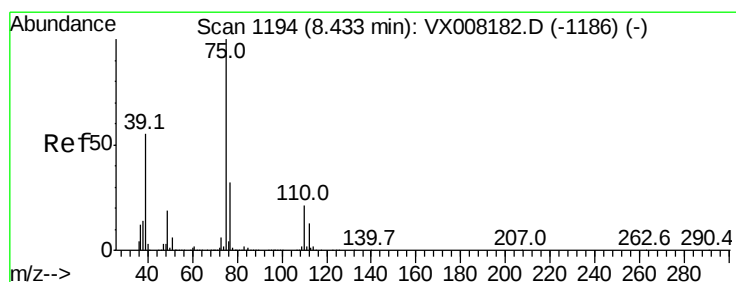
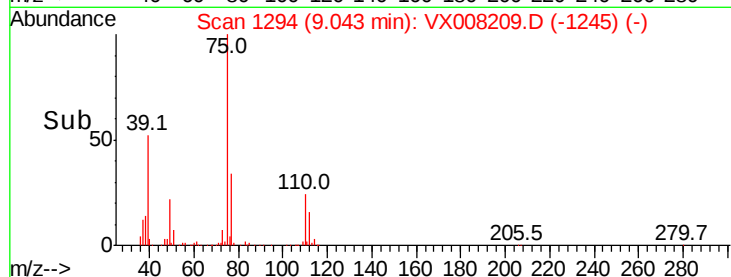
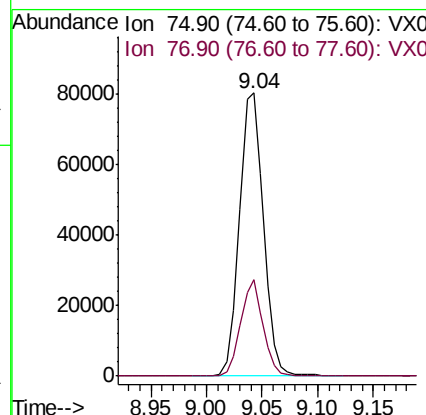
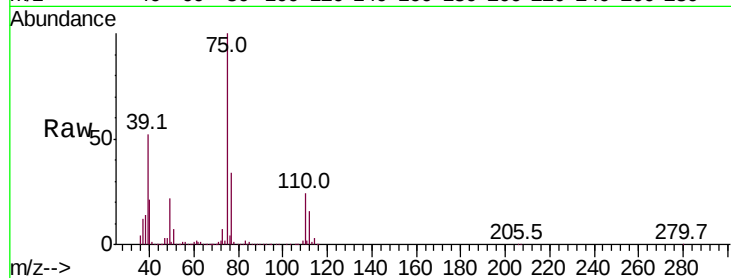
#53
t-1,3-Dichloropropene
Concen: 18.784 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.4	38.0

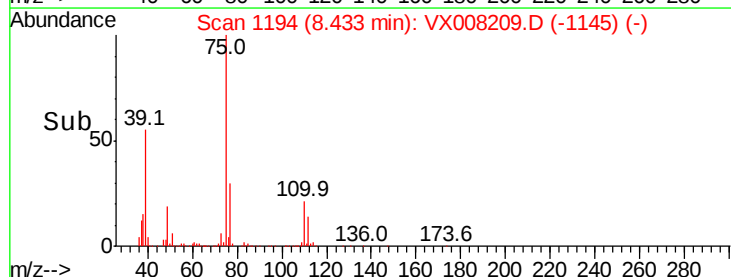
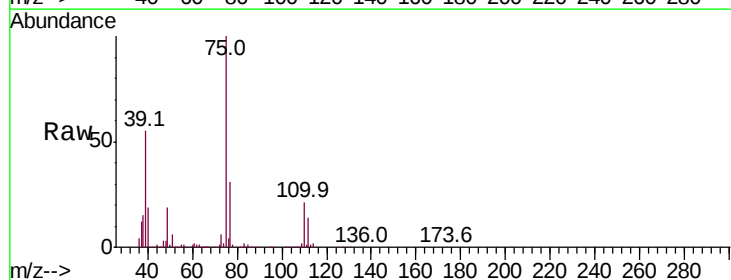
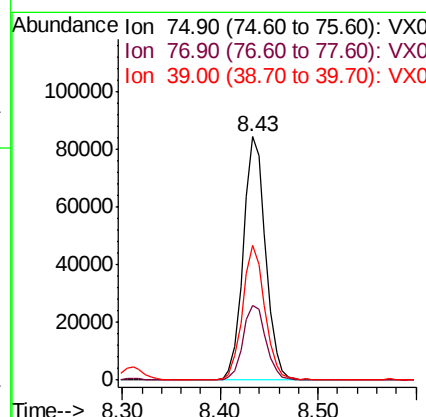
Manual Integrations
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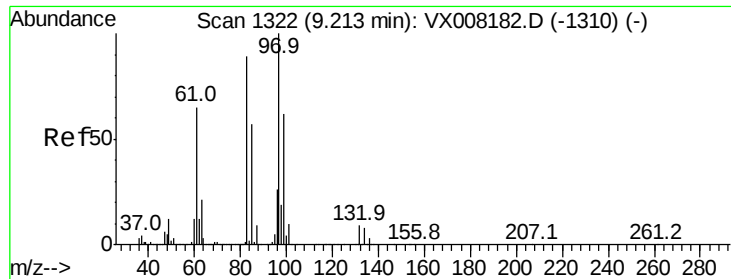
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#54
cis-1,3-Dichloropropene
Concen: 20.154 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.6
39	54.9	36.6	54.8#





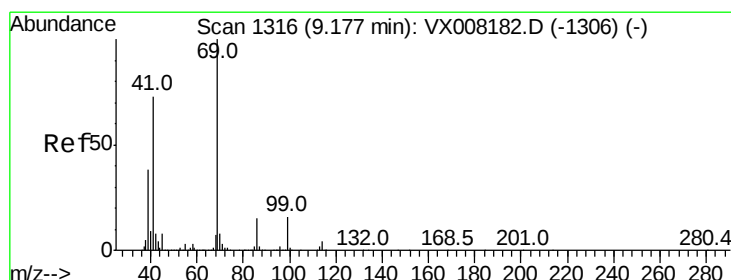
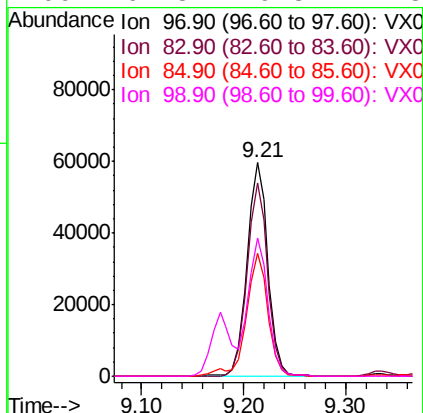
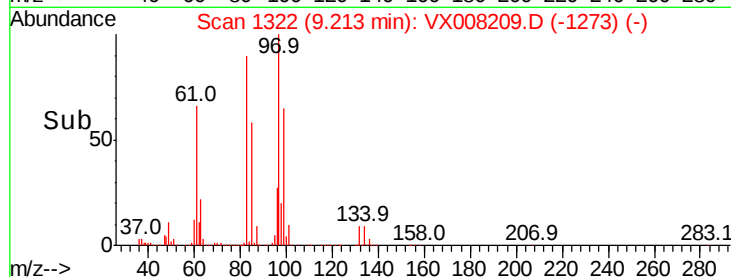
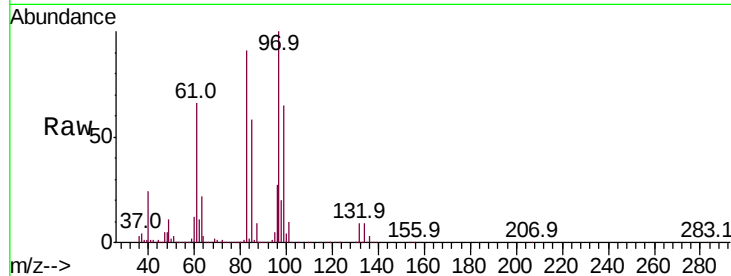
#55
1,1,2-Trichloroethane
Concen: 21.476 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.5	69.1	103.7
85	57.6	44.3	66.5
99	64.8	49.8	74.8

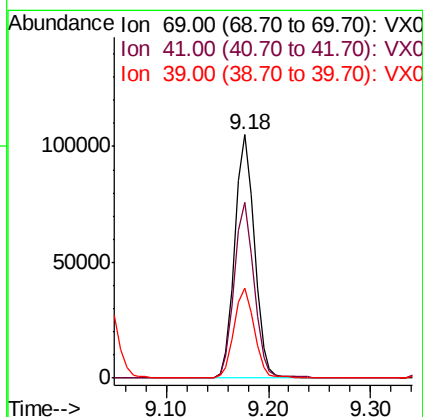
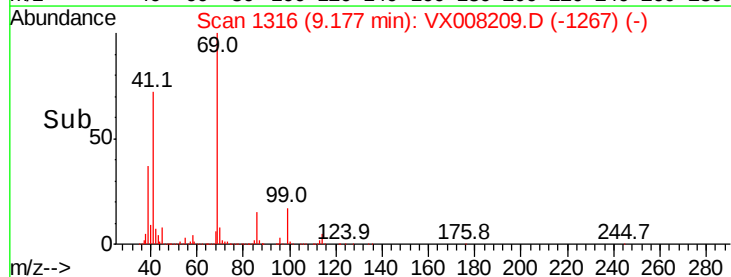
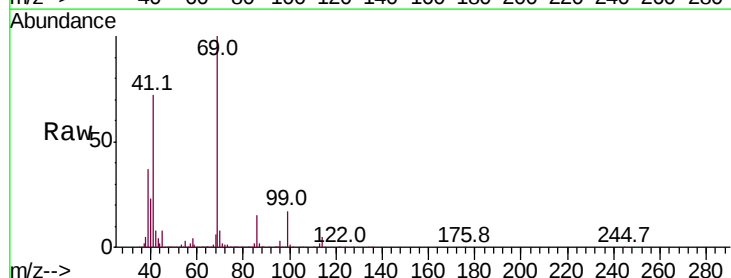
Manual Integrations
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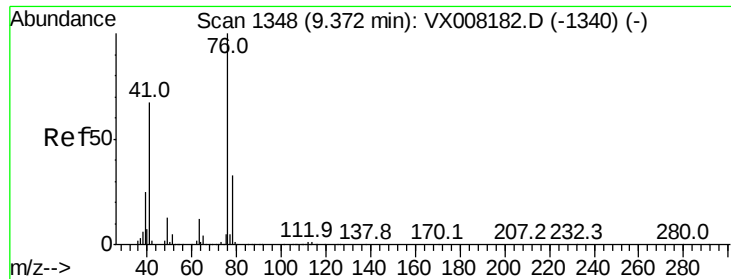
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3/20/2019 10:27:38 AM



#56
Ethyl methacrylate
Concen: 20.491 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.9	54.2	81.4
39	37.7	25.0	37.4#





#57

1,3-Dichloropropane

Concen: 21.554 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 76 Resp: 150807

Ion Ratio Lower Upper

76 100

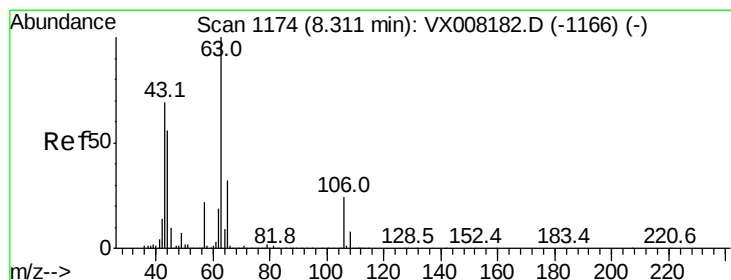
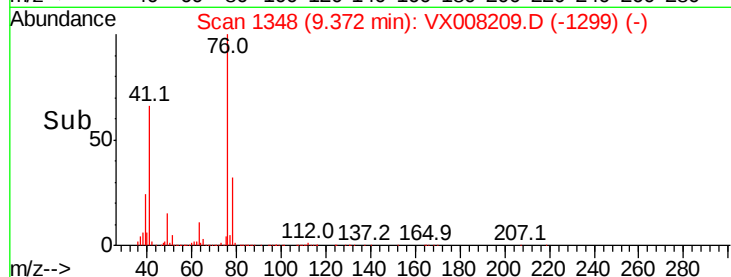
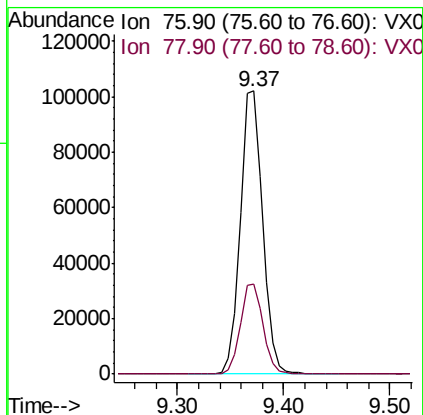
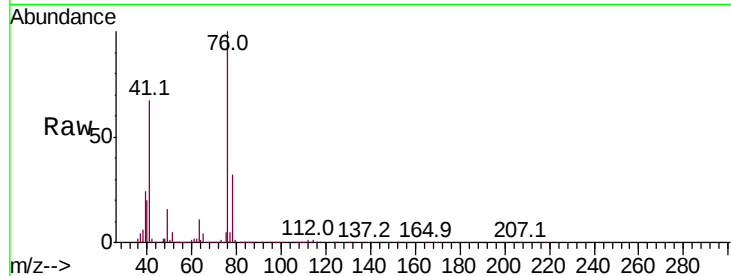
78 32.3 25.5 38.3

Manual Integrations

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MMDadoda

3/20/2019 10:27:38 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.906 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008209.D

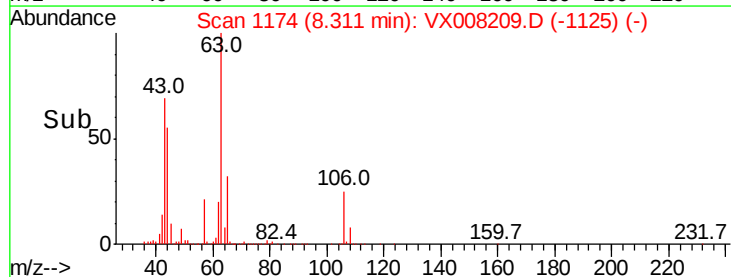
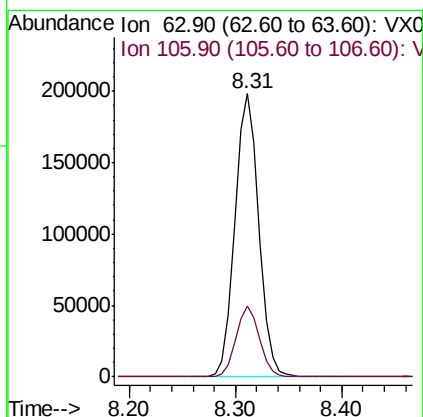
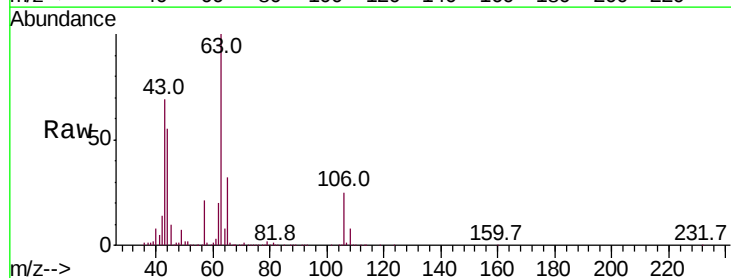
Acq: 19 Mar 2019 23:53

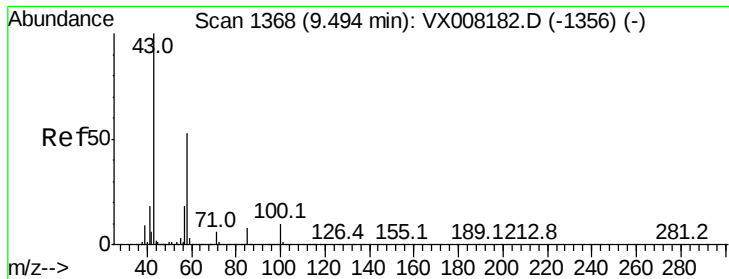
Tgt Ion: 63 Resp: 310796

Ion Ratio Lower Upper

63 100

106 24.7 22.2 33.2





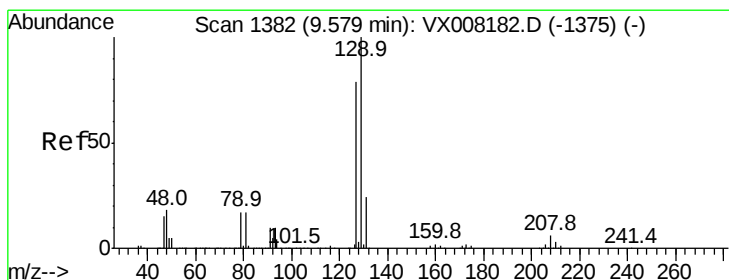
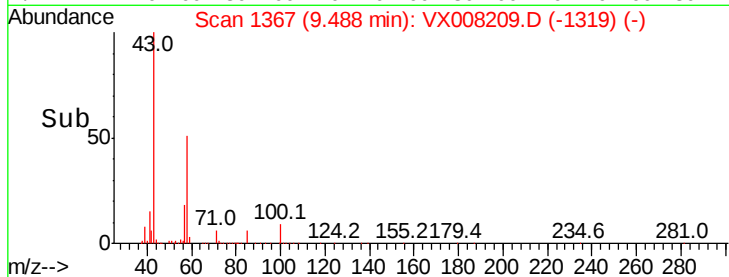
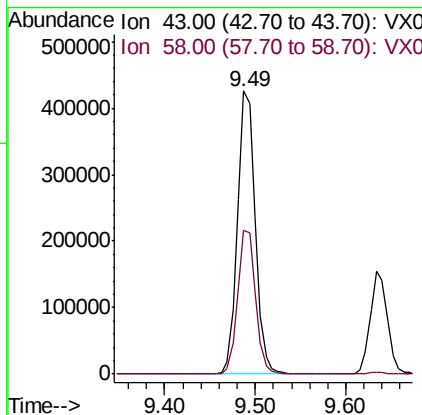
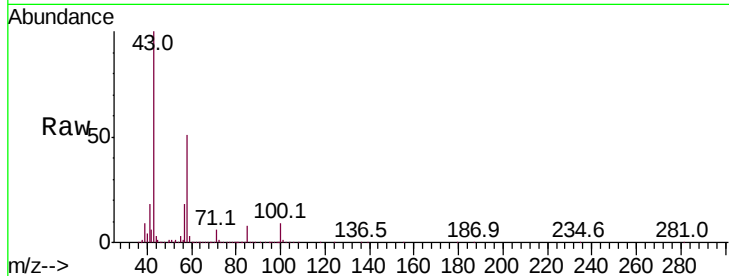
#59
2-Hexanone
Concen: 110.253 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion: 43 Resp: 579670
Ion Ratio Lower Upper
43 100
58 51.2 27.6 82.7

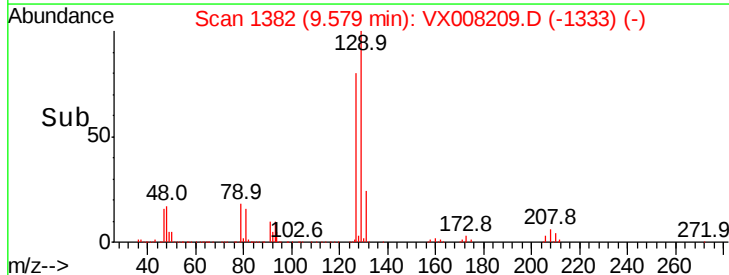
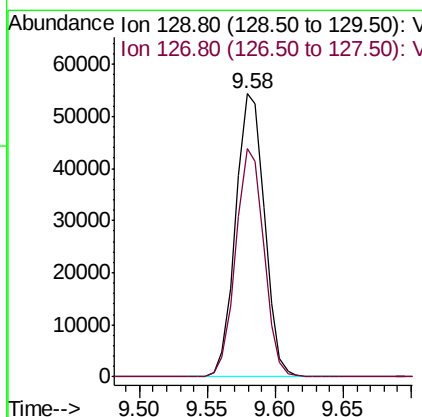
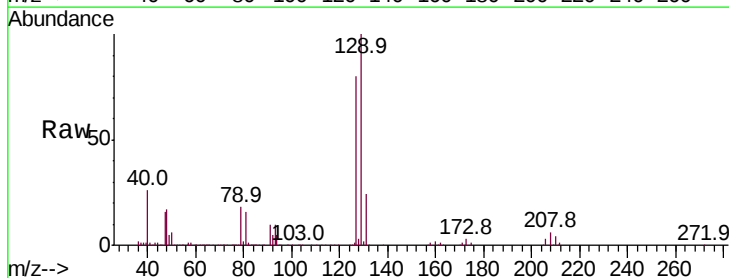
Manual Integrations
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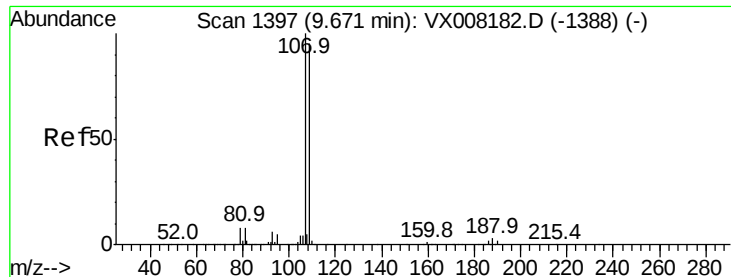
MMDadoda
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#60
Dibromochloromethane
Concen: 21.199 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion: 129 Resp: 80581
Ion Ratio Lower Upper
129 100
127 78.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.242 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion:107 Resp: 87729

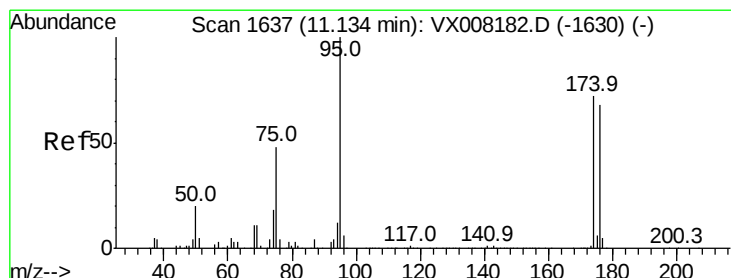
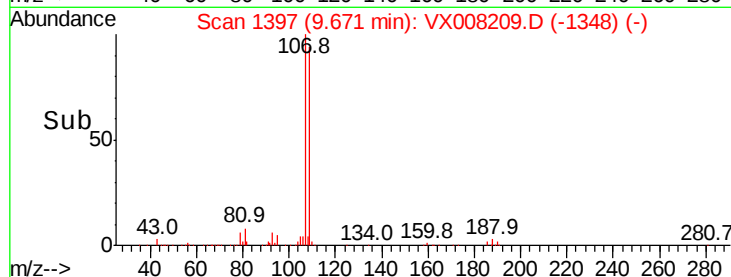
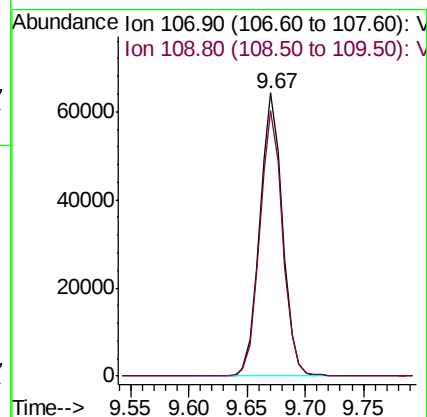
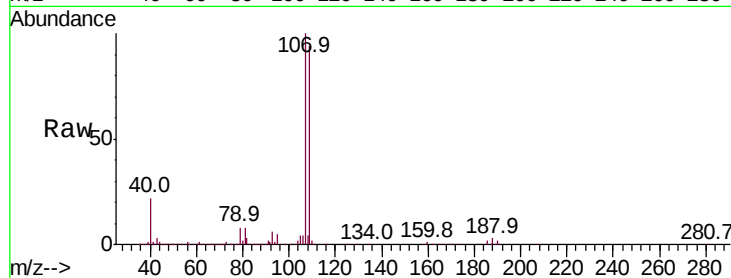
Ion Ratio Lower Upper

107 100

109 93.7 75.8 113.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.818 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

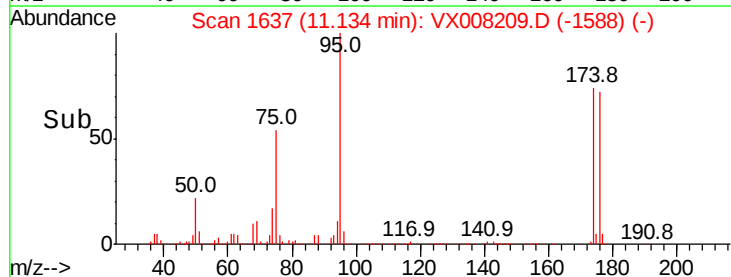
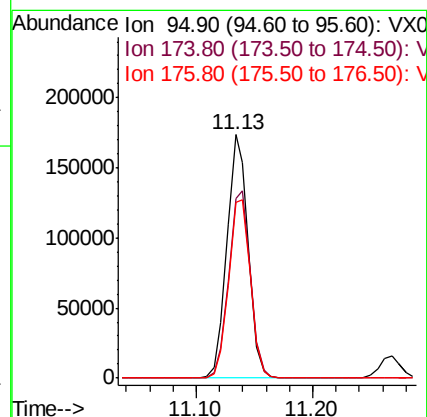
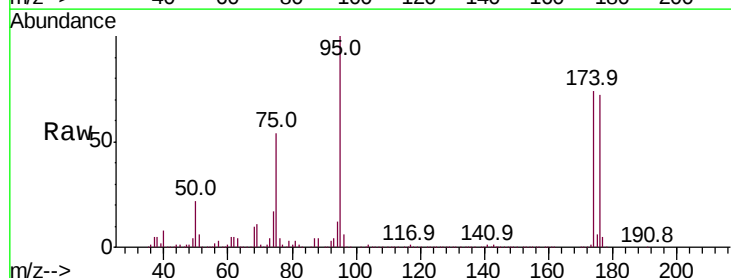
Tgt Ion: 95 Resp: 216840

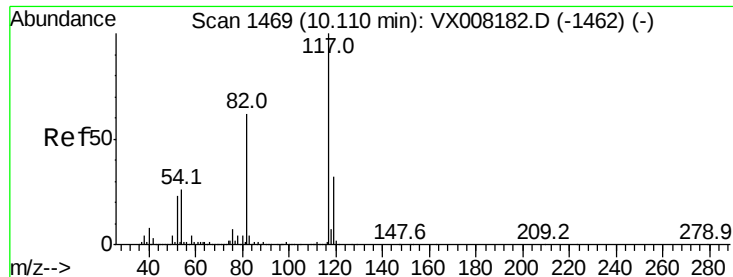
Ion Ratio Lower Upper

95 100

174 78.8 0.0 182.8

176 75.9 0.0 178.0





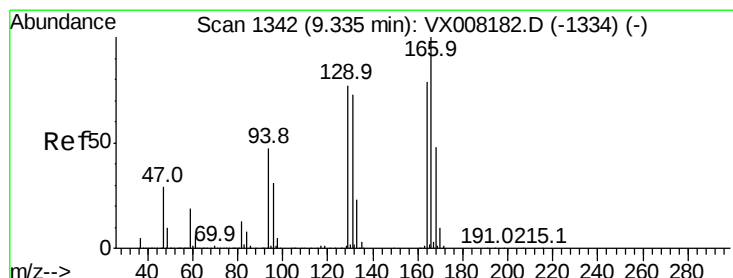
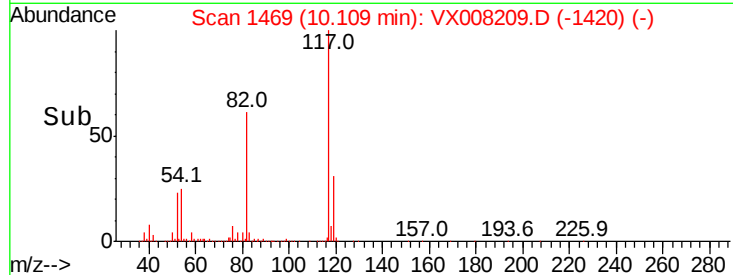
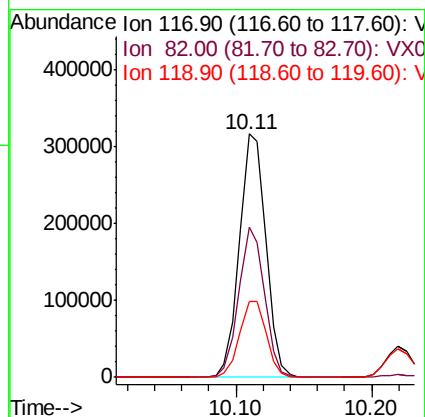
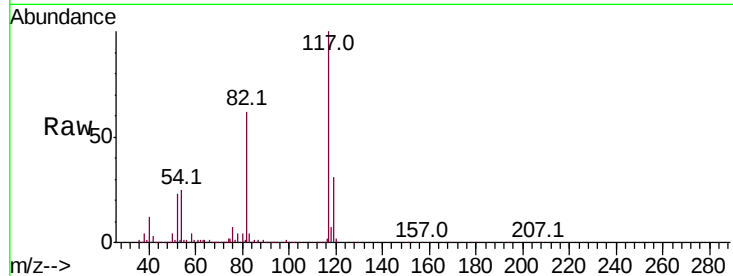
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	428003		
82	61.5		44.3	66.5
119	31.1		25.3	37.9

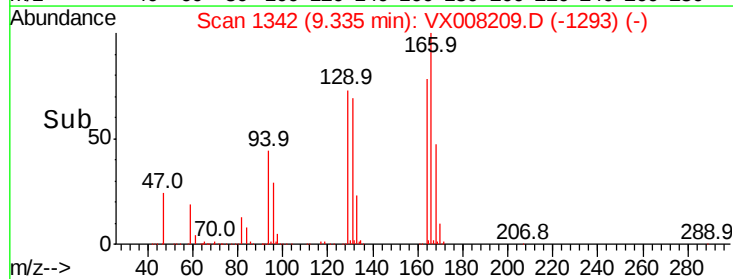
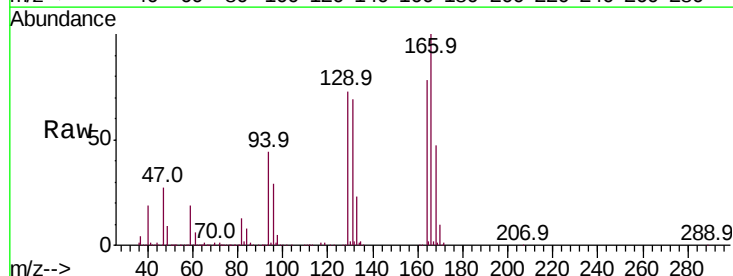
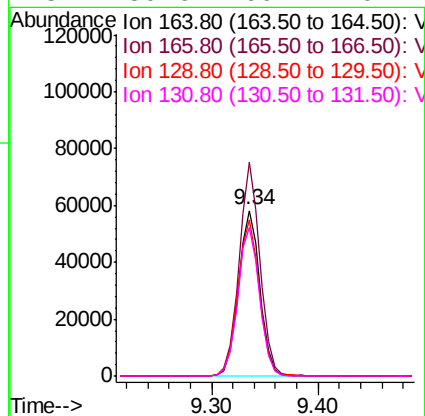
Manual Integrations
APPROVED

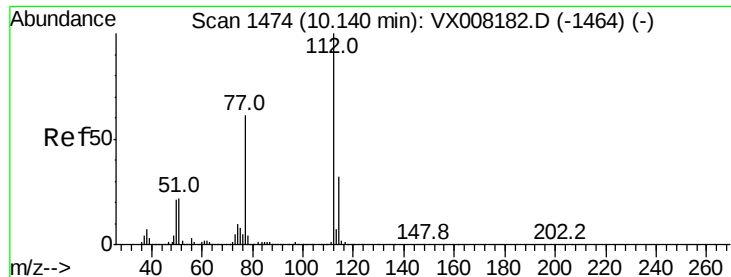
MMDadoda
3/20/2019 10:27:38 AM



#64
Tetrachloroethene
Concen: 21.249 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	82052		
166	129.0		103.4	155.0
129	94.4		72.2	108.4
131	89.6		69.4	104.2





#65

Chlorobenzene

Concen: 20.623 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion:112 Resp: 217191

Ion Ratio Lower Upper

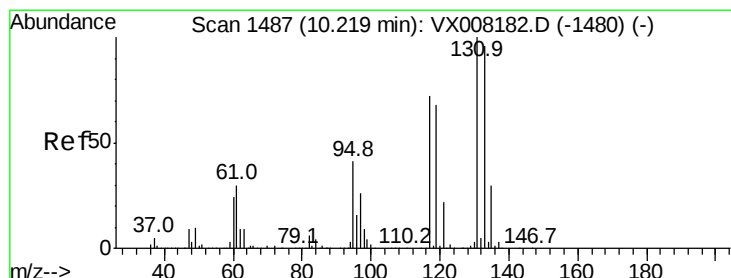
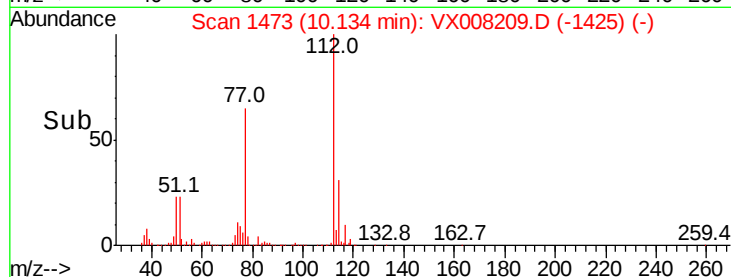
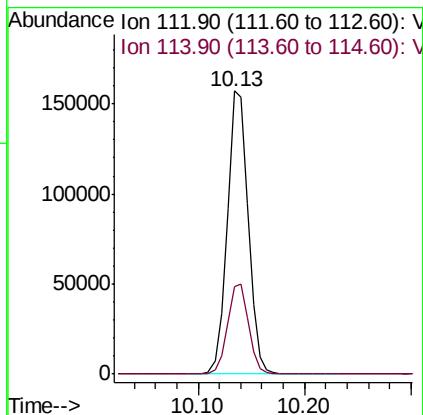
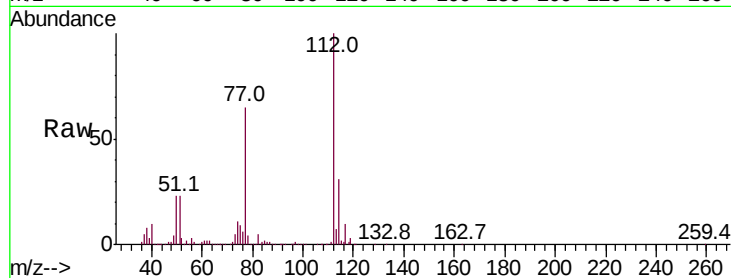
112 100

114 30.9 26.0 39.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.731 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

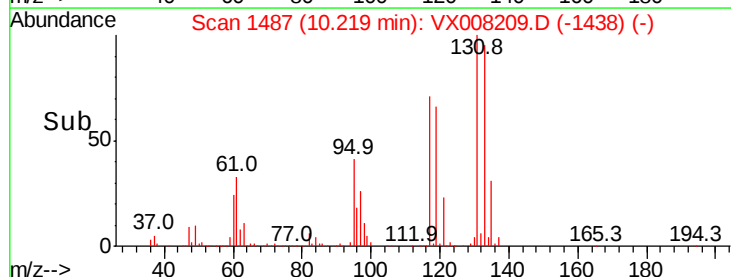
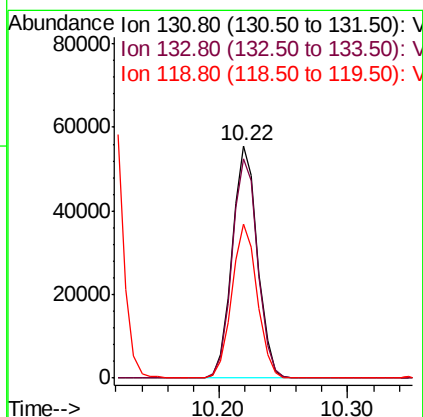
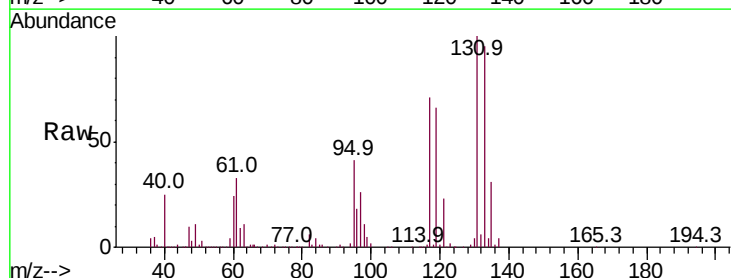
Tgt Ion:131 Resp: 76123

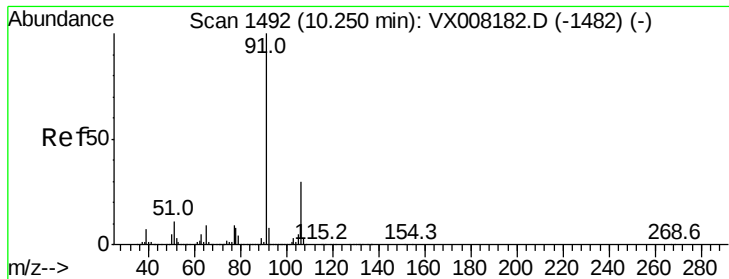
Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.3

119 66.6 32.5 97.5





#67

Ethyl Benzene

Concen: 20.668 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 91 Resp: 383573

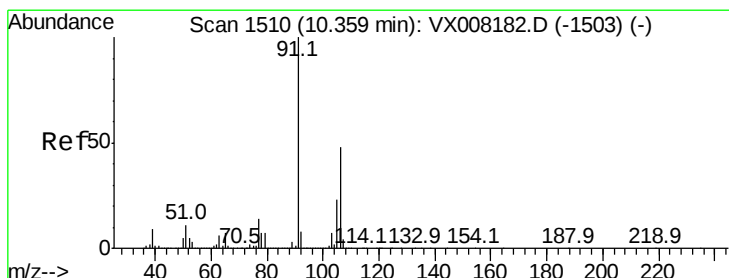
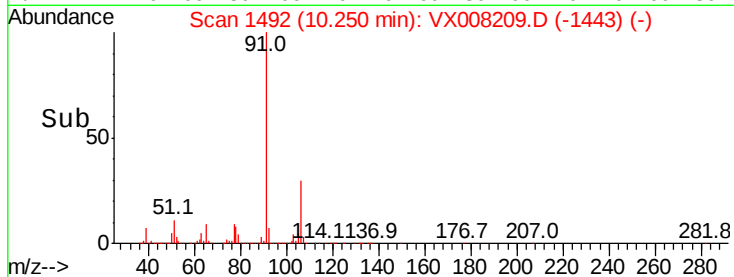
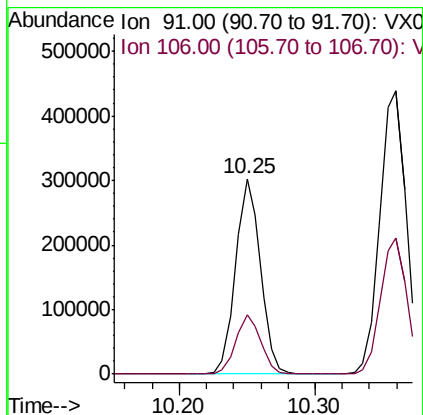
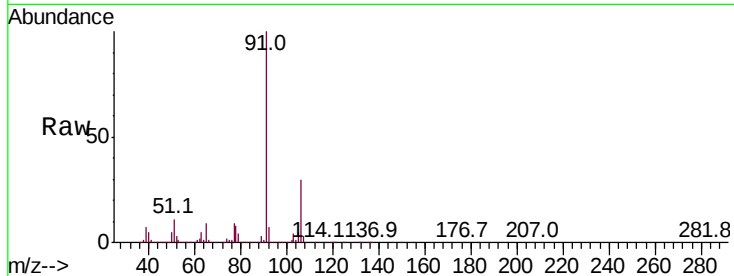
Ion Ratio Lower Upper

91 100

106 30.0 25.2 37.8

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#68

m/p-Xylenes

Concen: 41.419 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008209.D

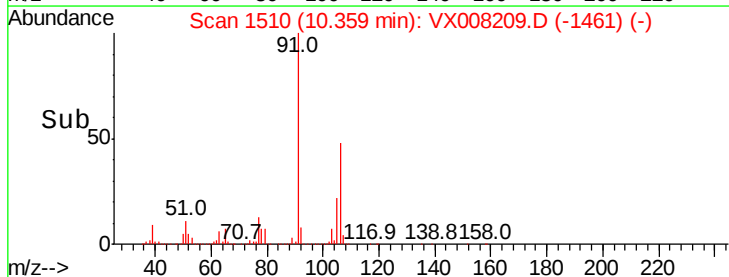
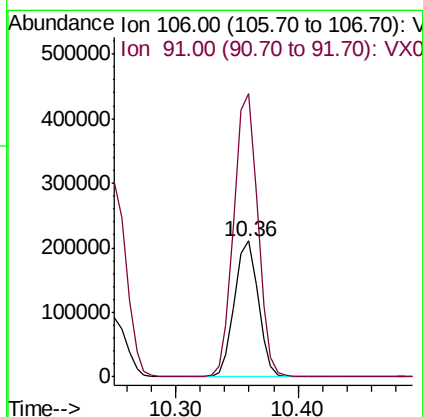
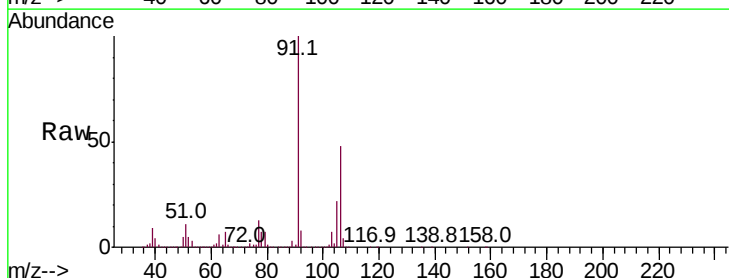
Acq: 19 Mar 2019 23:53

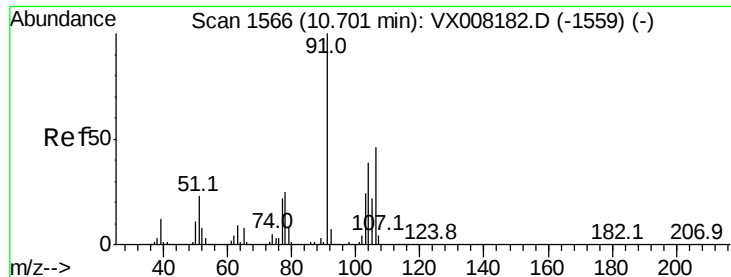
Tgt Ion: 106 Resp: 282362

Ion Ratio Lower Upper

106 100

91 209.9 159.8 239.6





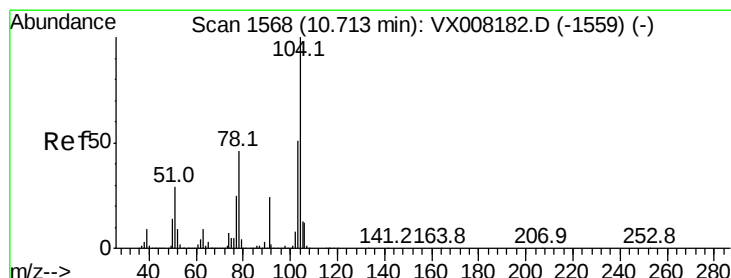
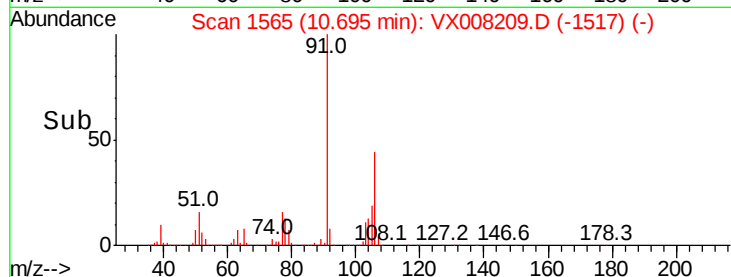
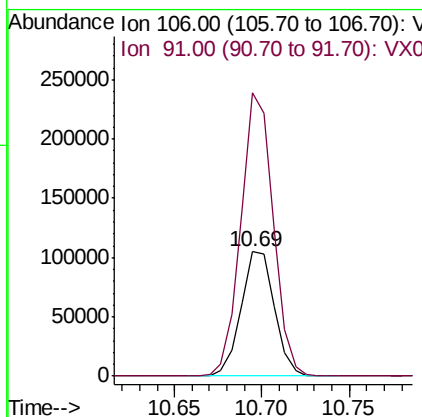
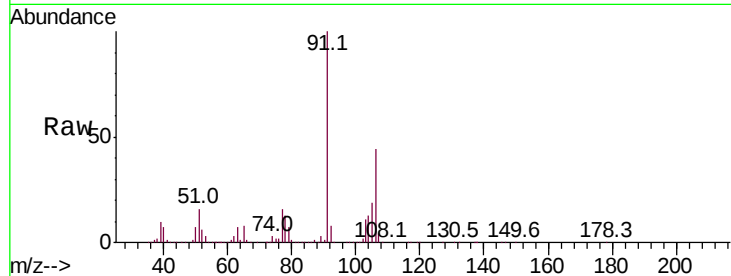
#69
o-Xylene
Concen: 20.981 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.3	106.3	318.9

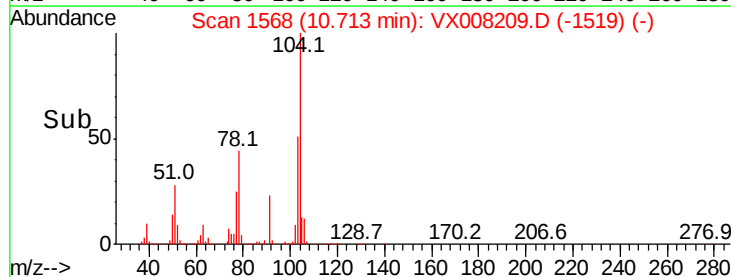
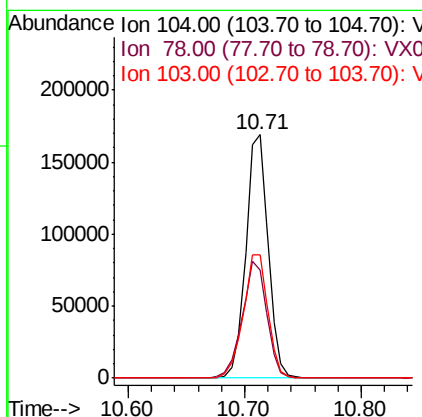
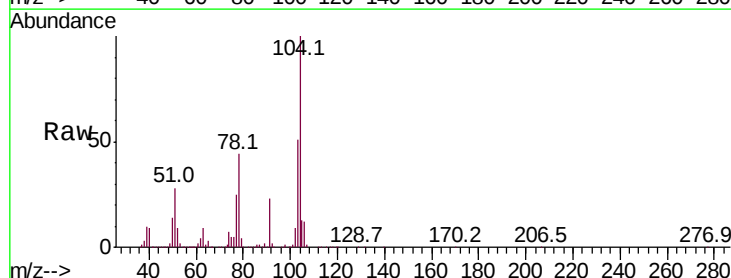
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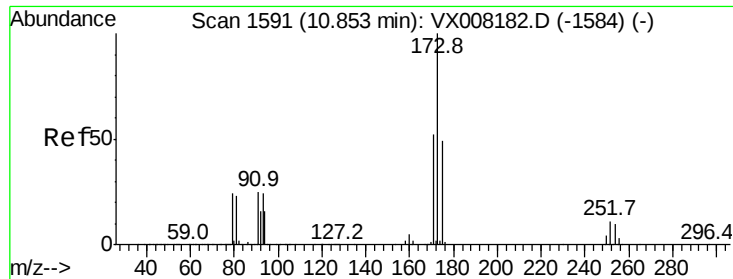
MMDadoda
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#70
Styrene
Concen: 21.040 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.1	38.5	57.7
103	56.2	44.1	66.1





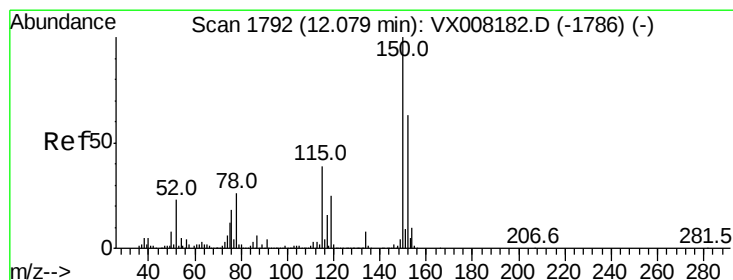
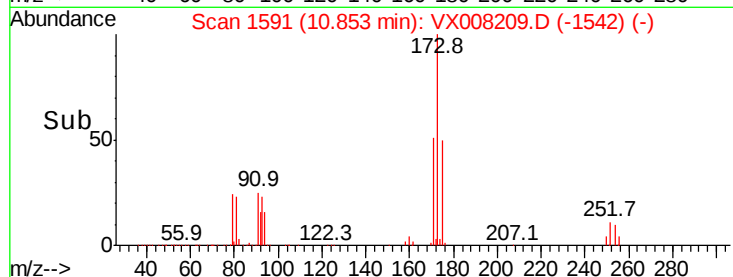
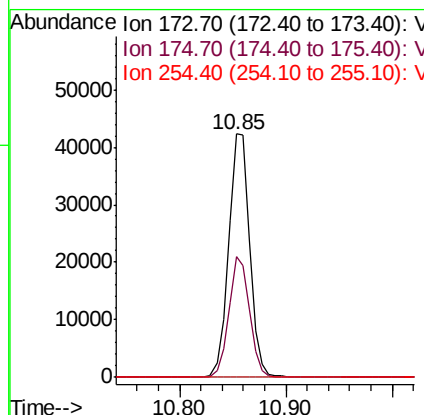
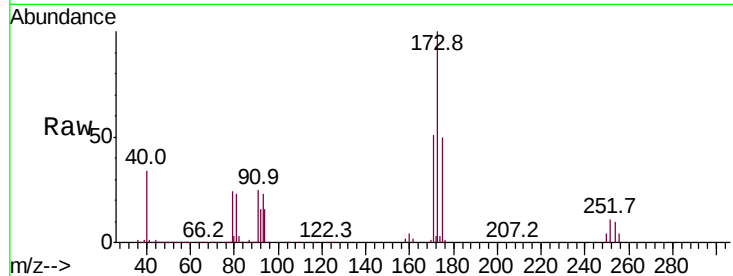
#71
Bromoform
Concen: 19.907 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
173	100			
175	48.4	24.3	72.9	
254	0.2	0.1	0.1#	

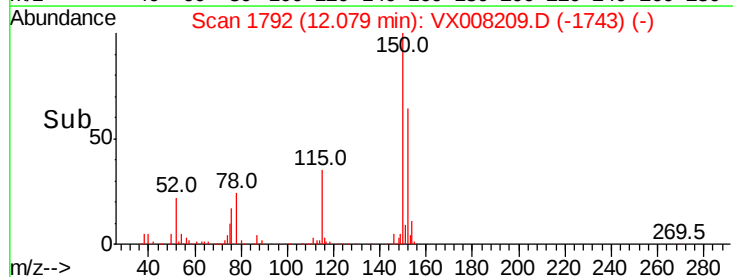
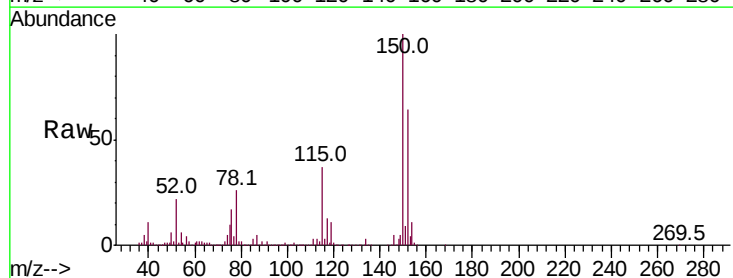
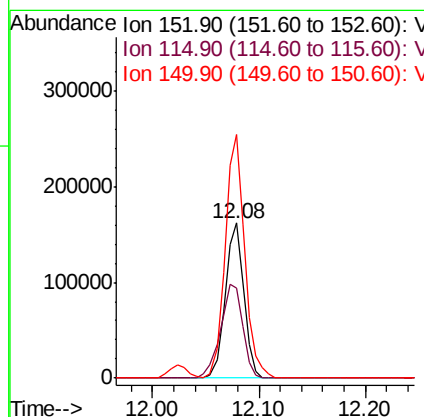
Manual Integrations
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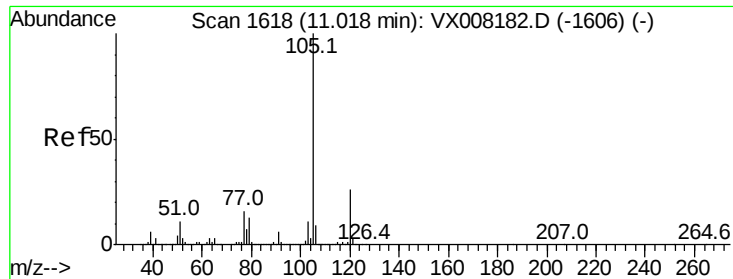
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
115	71.9	38.6	115.7	
150	164.7	0.0	348.4	





#73

Isopropylbenzene

Concen: 21.107 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion:105 Resp: 370421

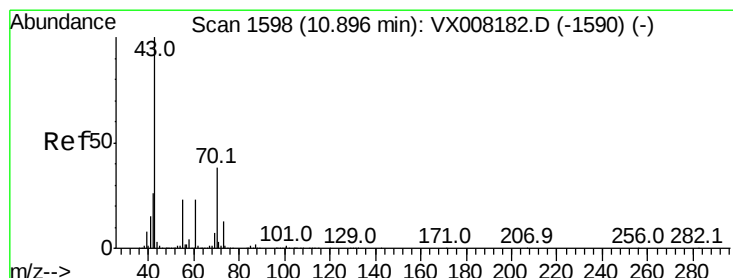
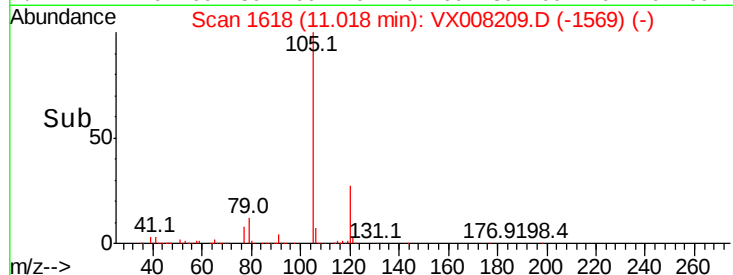
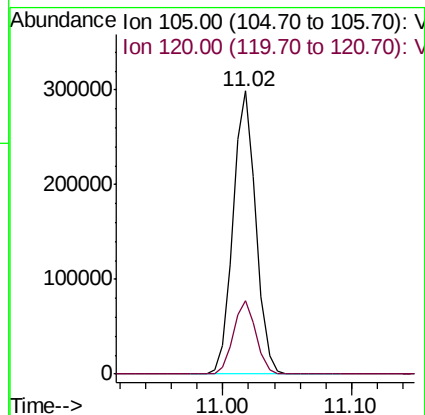
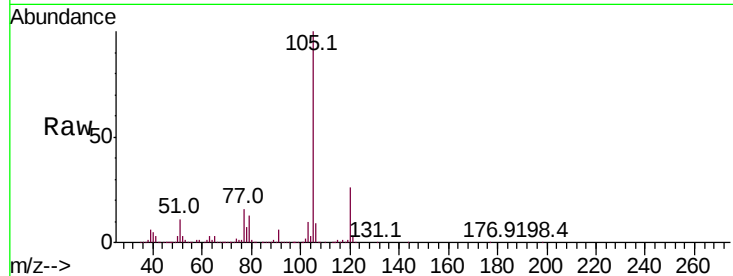
Ion Ratio Lower Upper

105 100

120 25.6 13.4 40.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.137 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Tgt Ion: 43 Resp: 194347

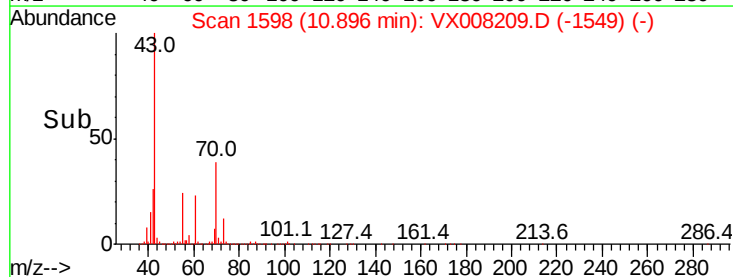
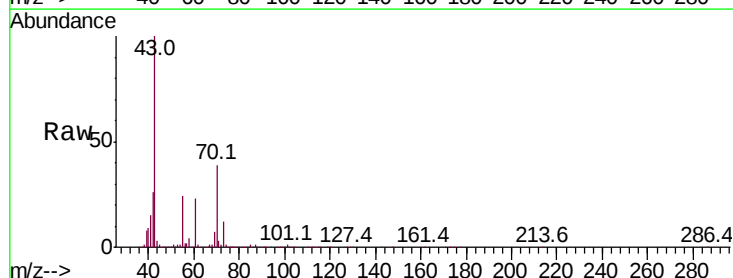
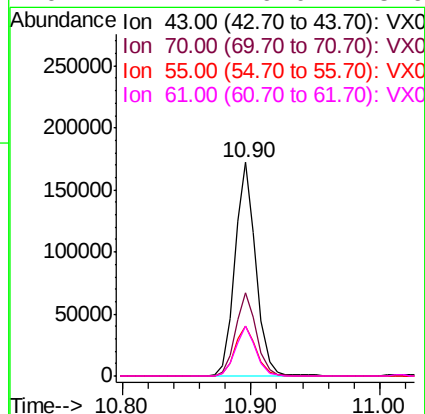
Ion Ratio Lower Upper

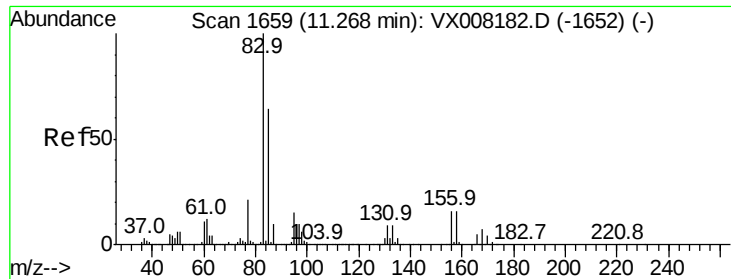
43 100

70 39.1 33.5 50.3

55 24.1 19.2 28.8

61 22.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.149 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 83 Resp: 133089

Ion Ratio Lower Upper

83 100

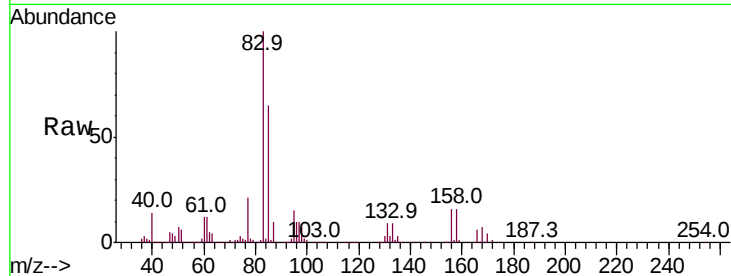
131 9.3 5.4 16.2

85 64.2 32.3 96.8

Manual Integrations
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MMDadoda

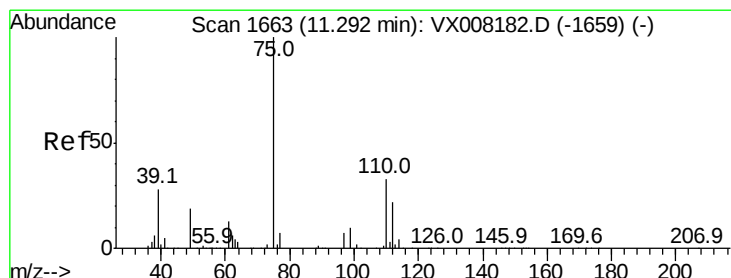
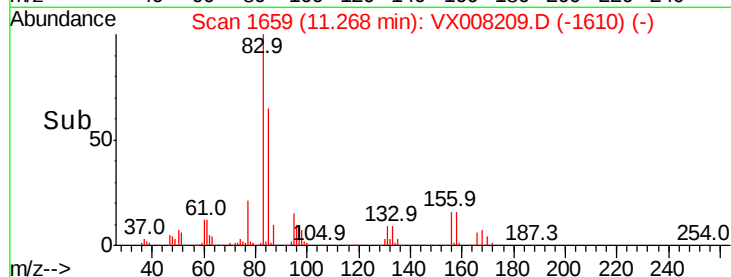
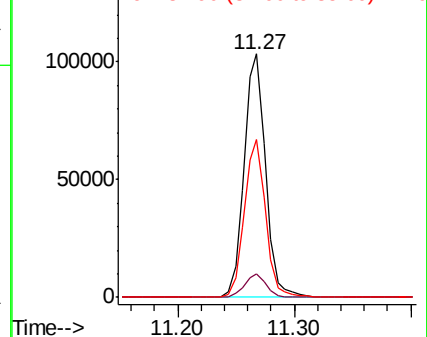
3/20/2019 10:27:38 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.119 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008209.D

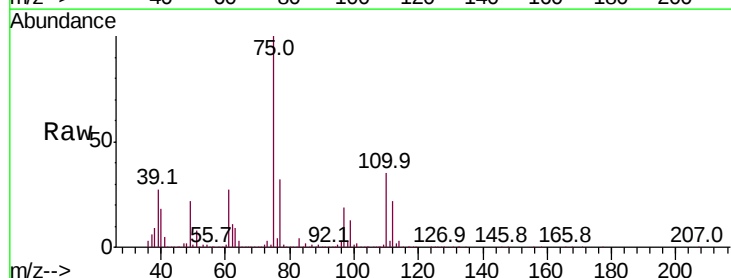
Acq: 19 Mar 2019 23:53

Tgt Ion: 75 Resp: 116950

Ion Ratio Lower Upper

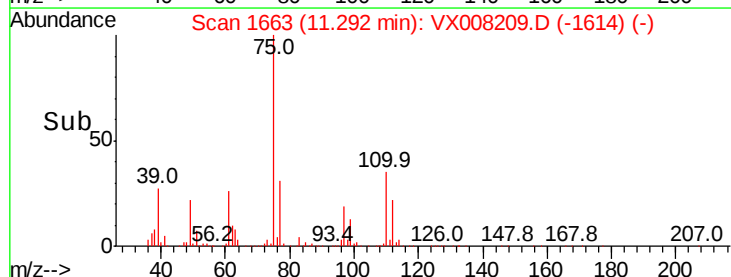
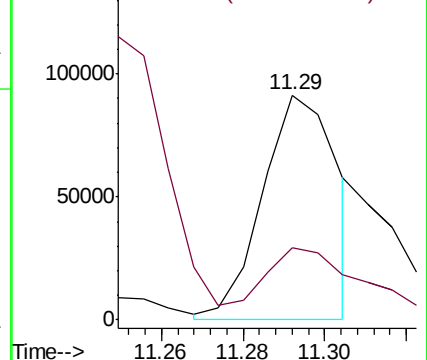
75 100

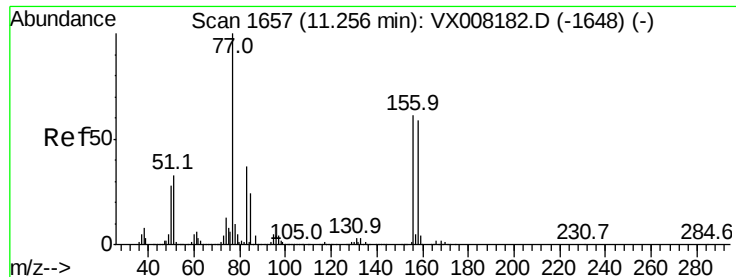
77 43.2 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.934 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion:156 Resp: 88825

Ion Ratio Lower Upper

156 100

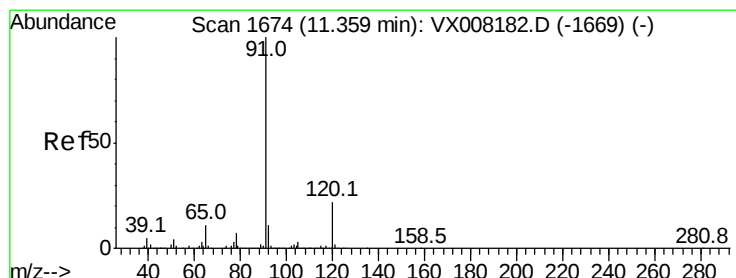
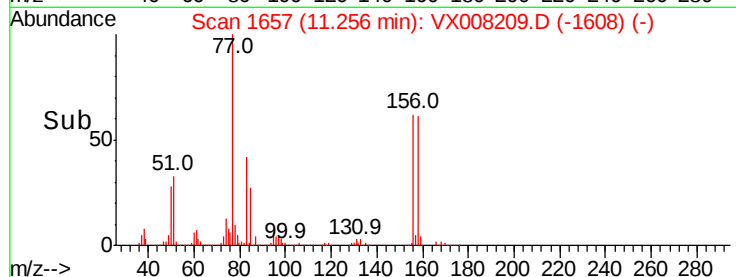
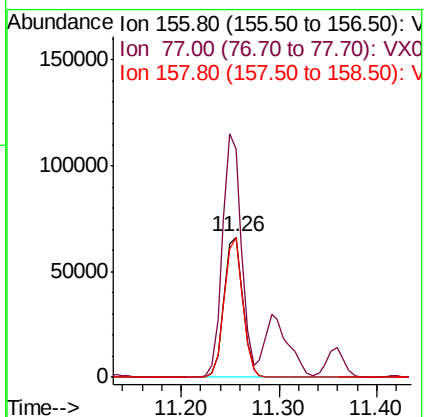
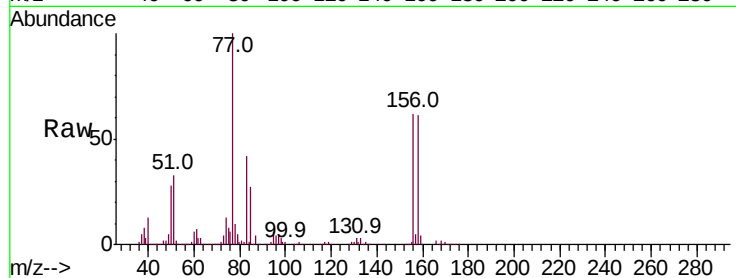
77 173.1 72.0 215.9

158 98.0 48.6 145.9

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#78

n-propylbenzene

Concen: 20.831 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008209.D

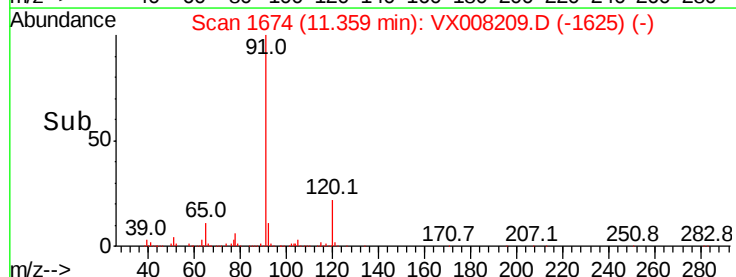
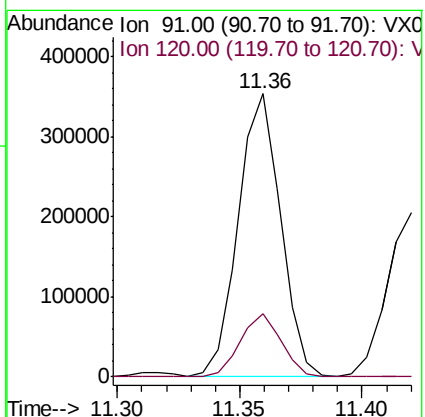
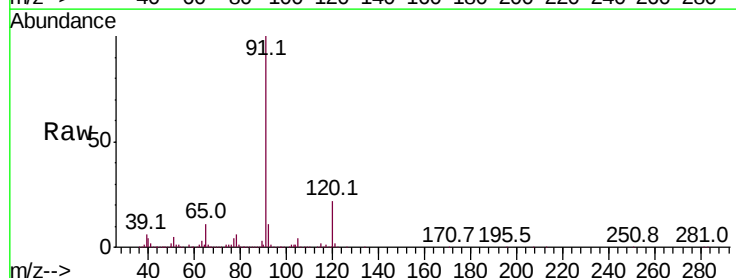
Acq: 19 Mar 2019 23:53

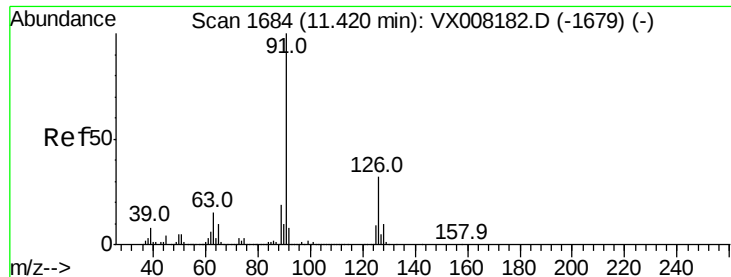
Tgt Ion: 91 Resp: 424603

Ion Ratio Lower Upper

91 100

120 21.9 12.0 36.0





#79

2-Chlorotoluene

Concen: 20.914 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 91 Resp: 255868

Ion Ratio Lower Upper

91 100

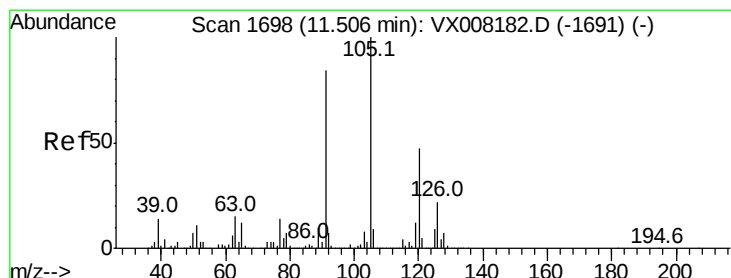
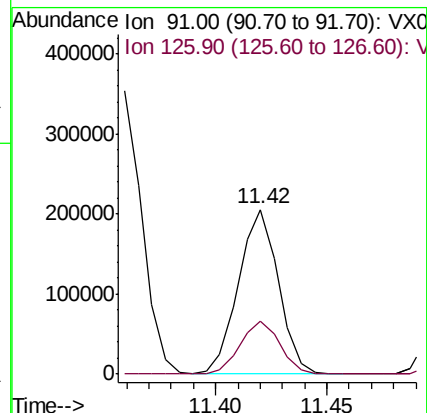
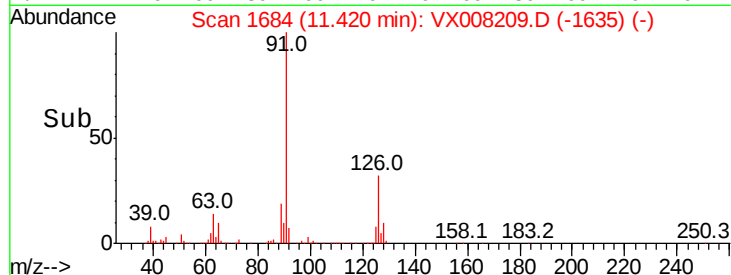
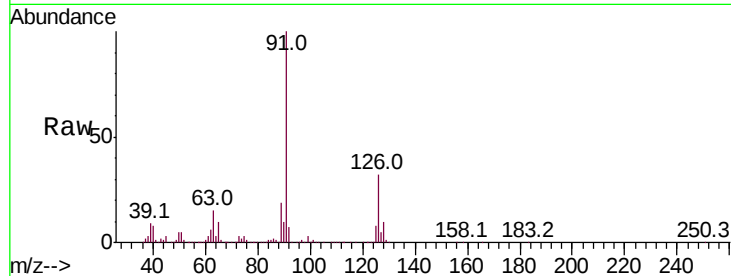
126 32.2 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.830 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008209.D

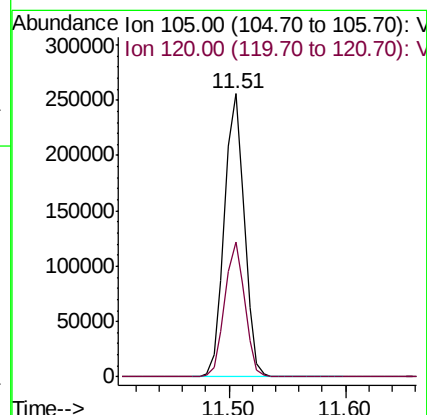
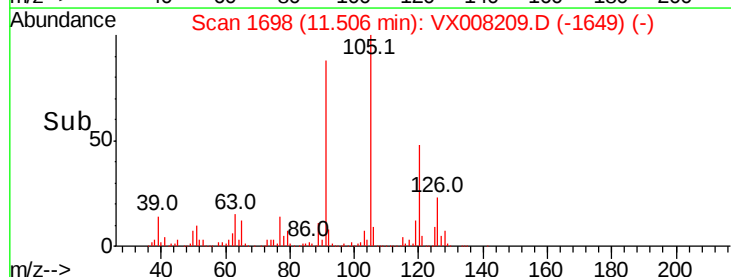
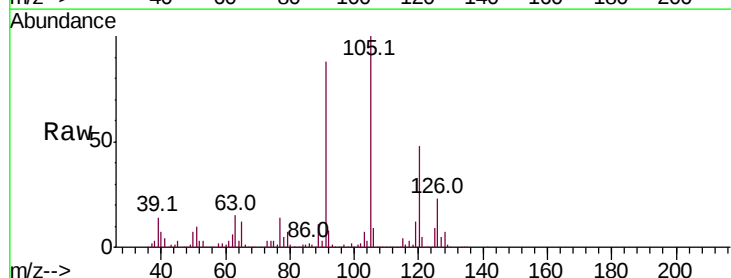
Acq: 19 Mar 2019 23:53

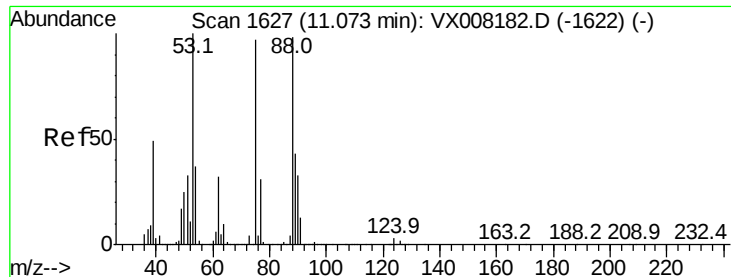
Tgt Ion: 105 Resp: 302012

Ion Ratio Lower Upper

105 100

120 47.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.206 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion: 75 Resp: 37503

Ion Ratio Lower Upper

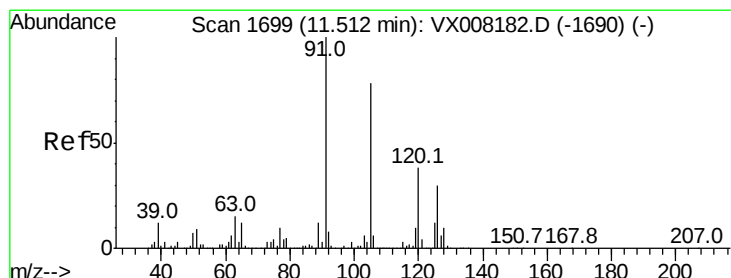
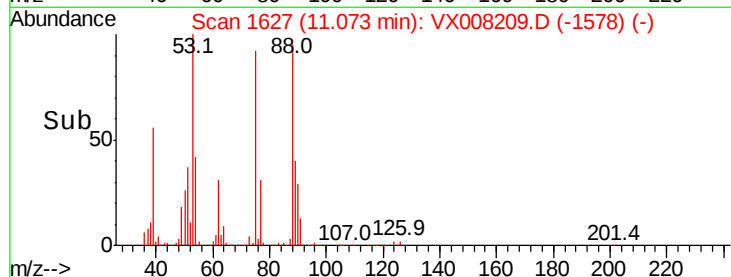
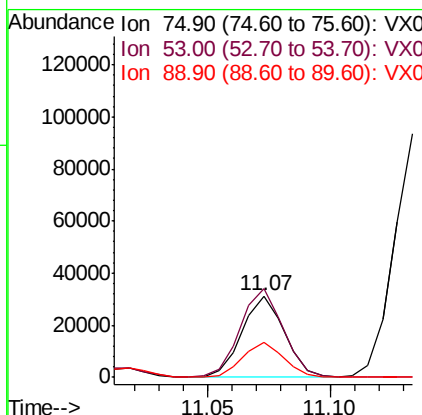
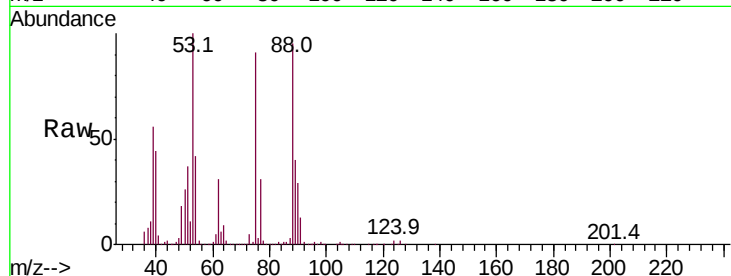
75 100

53 111.1 76.1 114.1

89 44.0 36.3 54.5

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#82

4-Chlorotoluene

Concen: 20.523 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008209.D

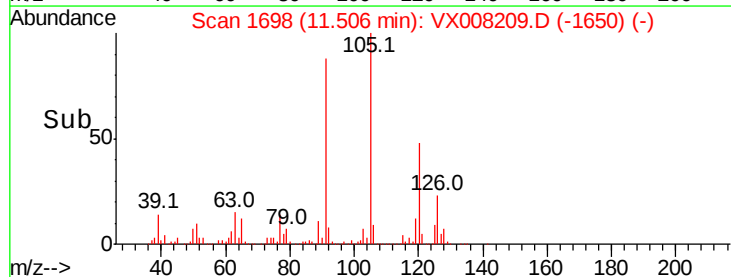
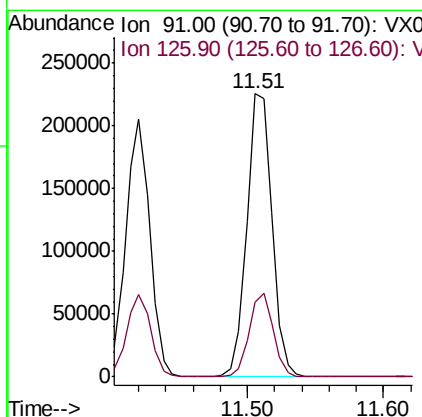
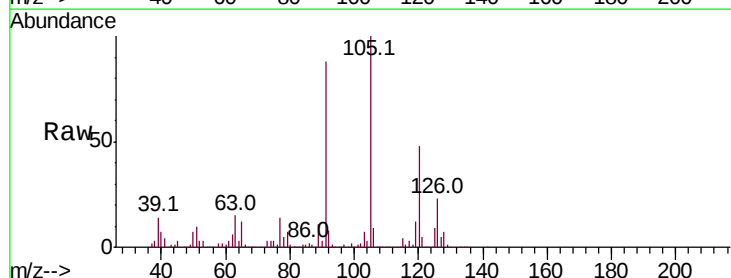
Acq: 19 Mar 2019 23:53

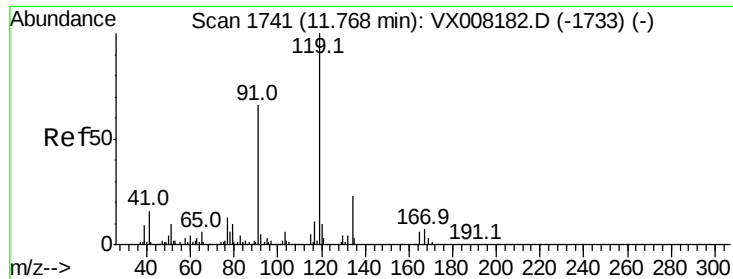
Tgt Ion: 91 Resp: 292166

Ion Ratio Lower Upper

91 100

126 28.4 15.6 46.8





#83

tert-Butylbenzene

Concen: 20.526 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

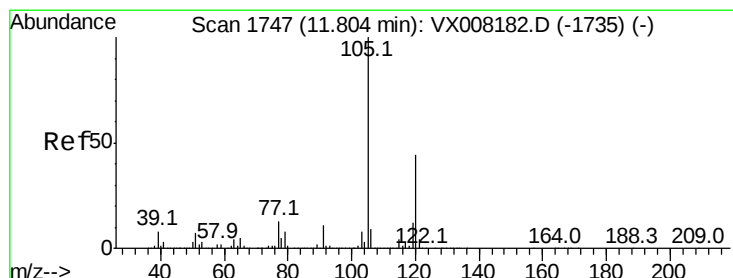
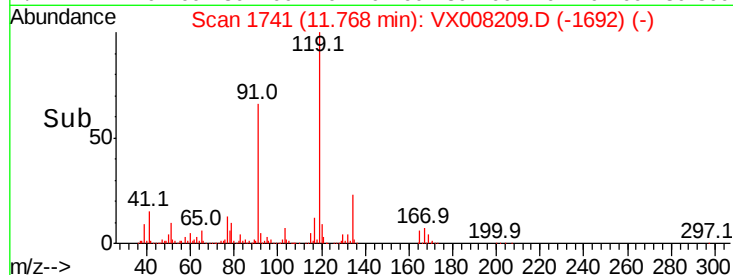
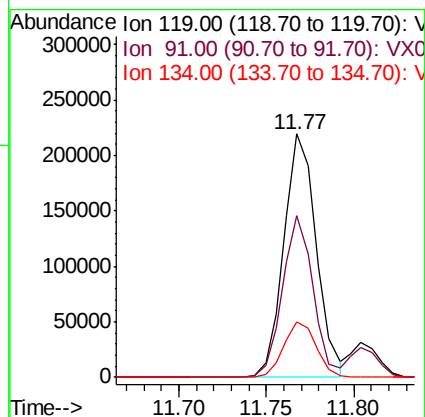
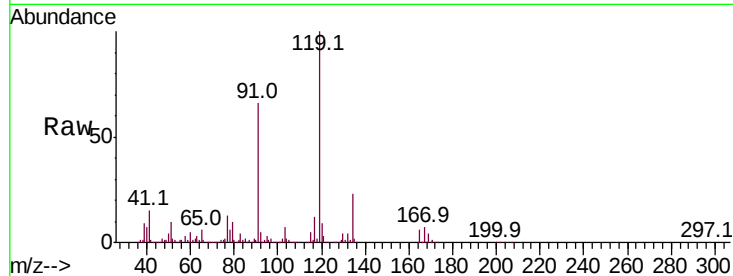
ClientSampleId :

VX0319WBSD02

Tot Ion:	119	Resp:	284129
Ion Ratio	Lower	Upper	
119	100		
91	62.8	27.1	81.3
134	22.8	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 21.092 ug/l

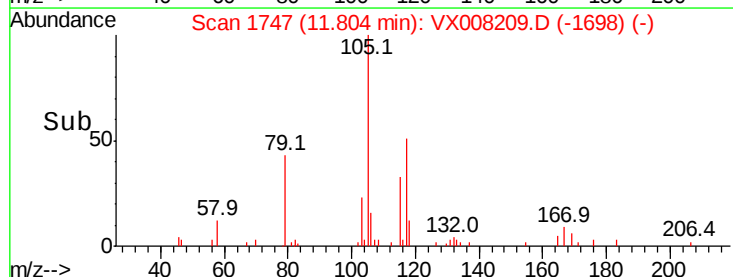
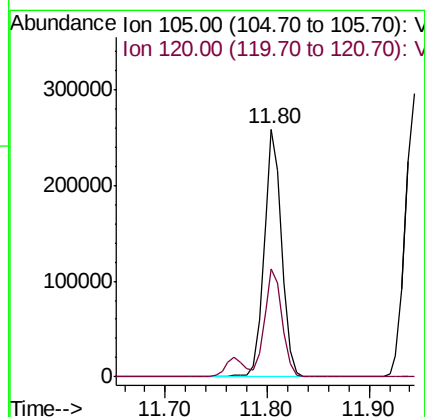
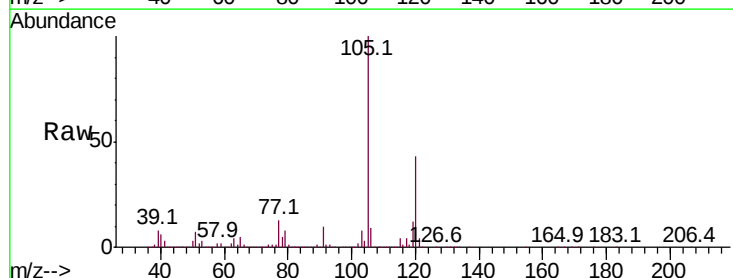
RT: 11.80 min Scan# 1747

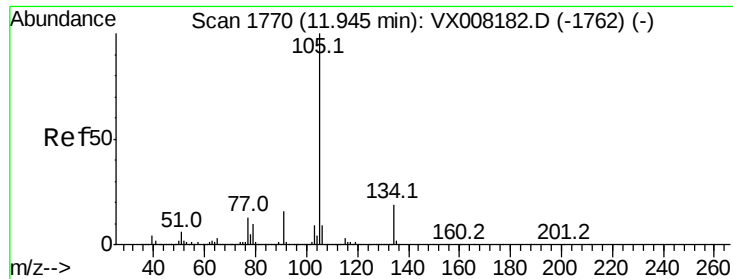
Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Tgt Ion:	105	Resp:	310023
Ion Ratio	Lower	Upper	
105	100		
120	43.2	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.850 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBSD02

Tot Ion:105 Resp: 357413

Ion Ratio Lower Upper

105 100

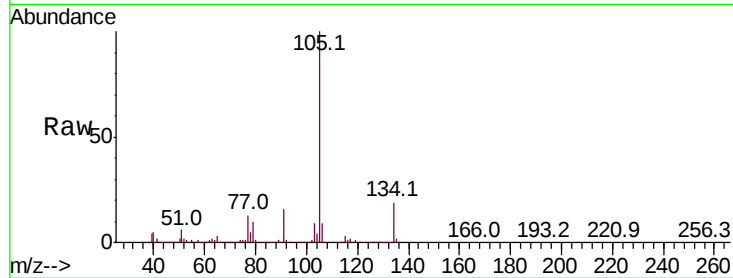
134 19.3 10.4 31.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

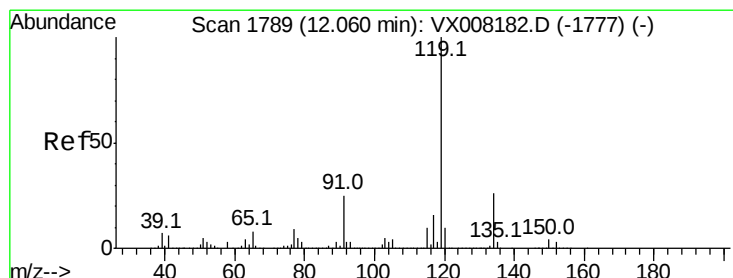
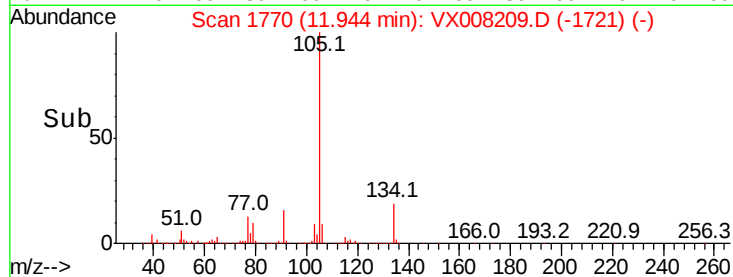
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.745 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

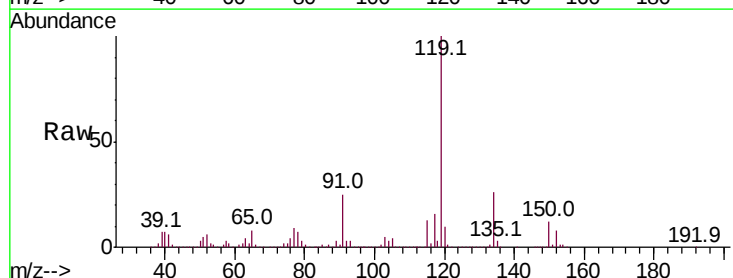
Tgt Ion:119 Resp: 307821

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

91 24.4 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

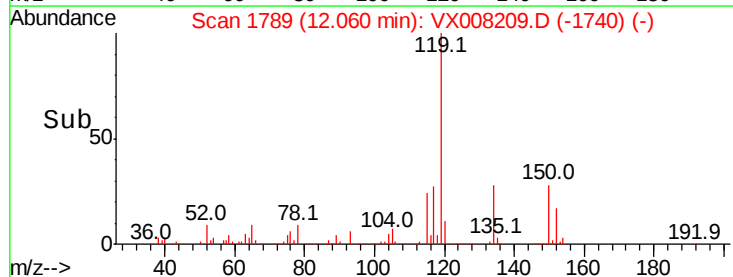
300000

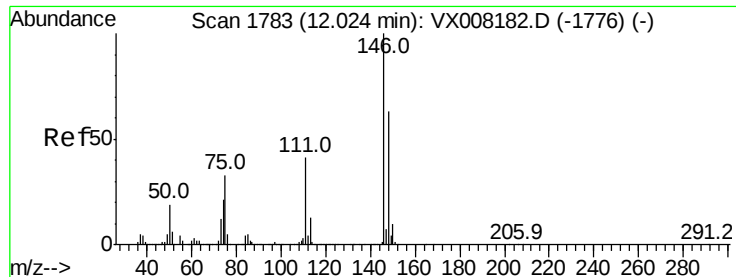
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.748 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Instrument :

MSVOA_X

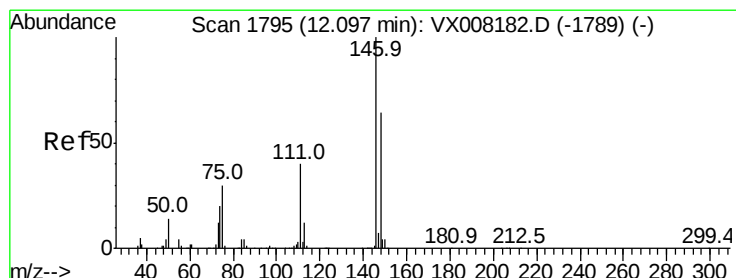
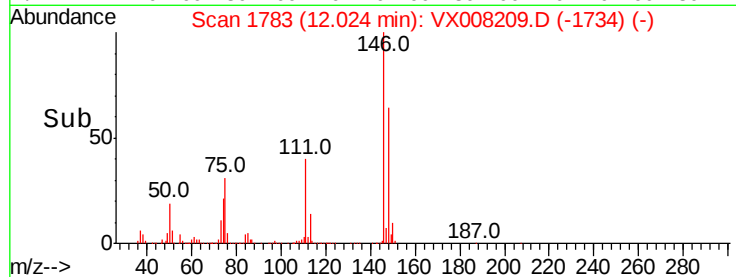
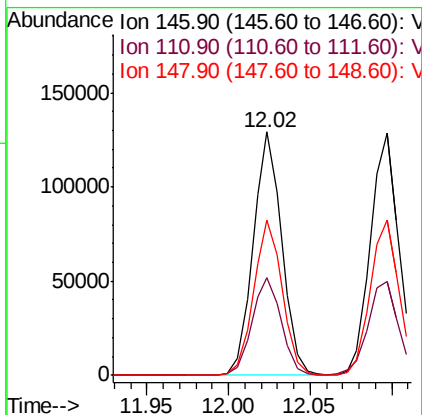
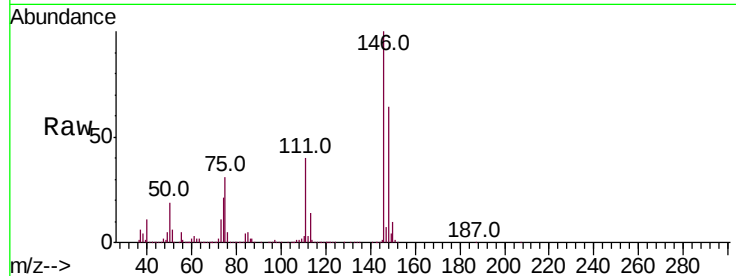
ClientSampleId :

VX0319WBSD02

Tot Ion:	146	Resp:	157338
Ion Ratio	Lower	Upper	
146	100		
111	41.1	18.9	56.7
148	63.6	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 19.858 ug/l

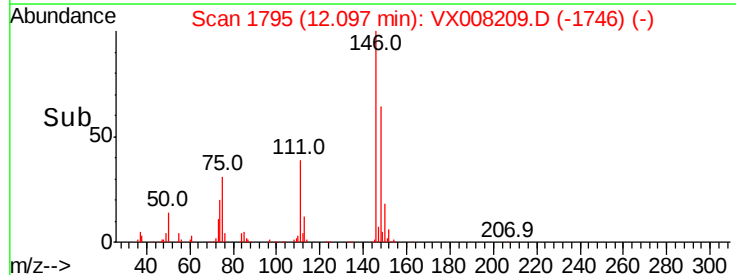
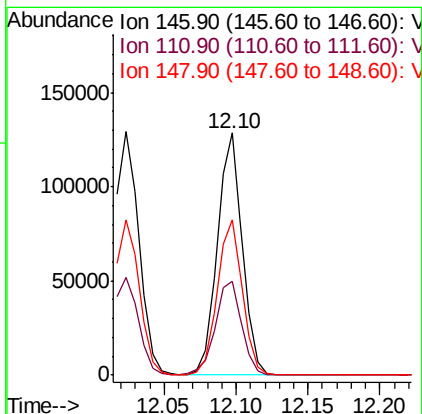
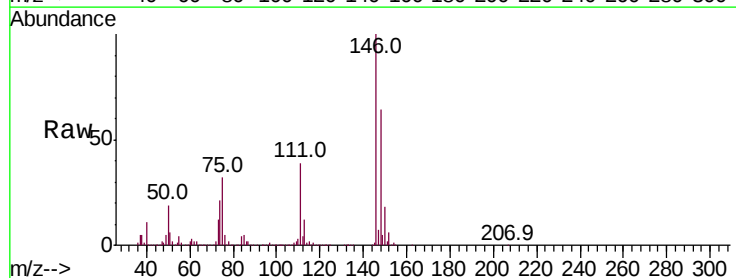
RT: 12.10 min Scan# 1795

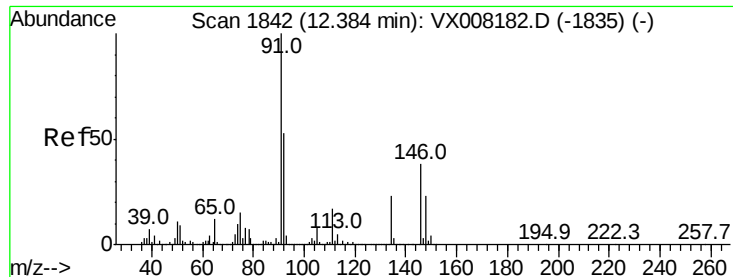
Delta R.T. -0.00 min

Lab File: VX008209.D

Acq: 19 Mar 2019 23:53

Tgt Ion:	146	Resp:	155762
Ion Ratio	Lower	Upper	
146	100		
111	41.3	18.4	55.0
148	64.8	32.2	96.6





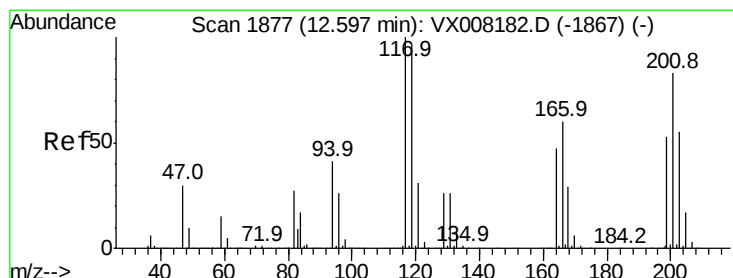
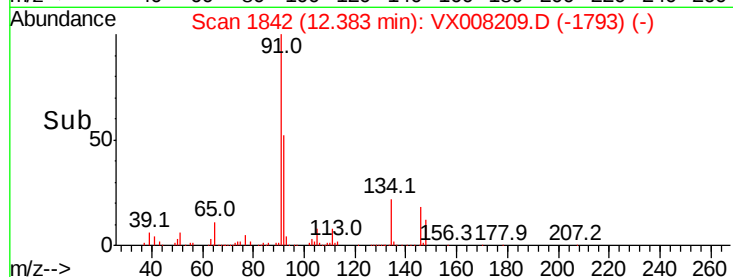
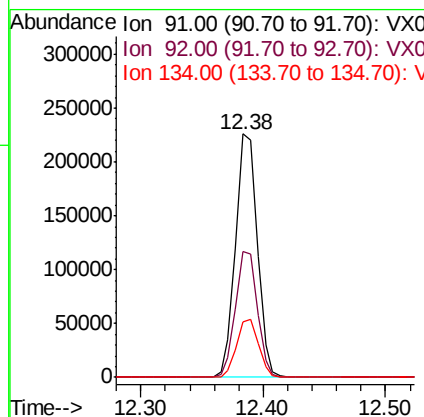
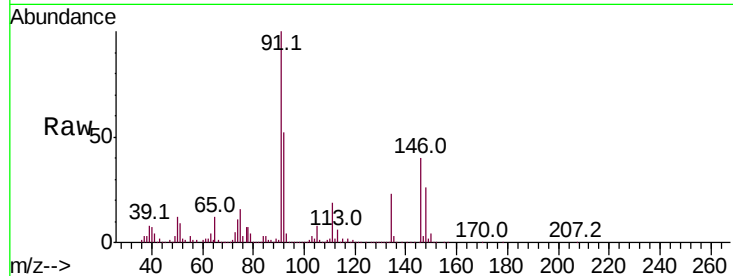
#89
n-Butylbenzene
Concen: 19.851 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.0	80.8
134	24.1	13.7	41.0

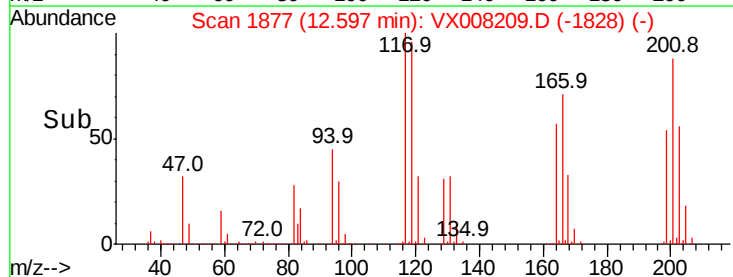
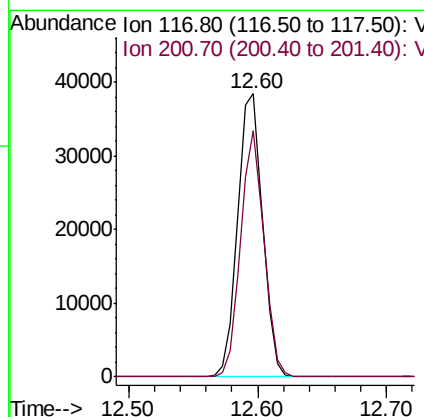
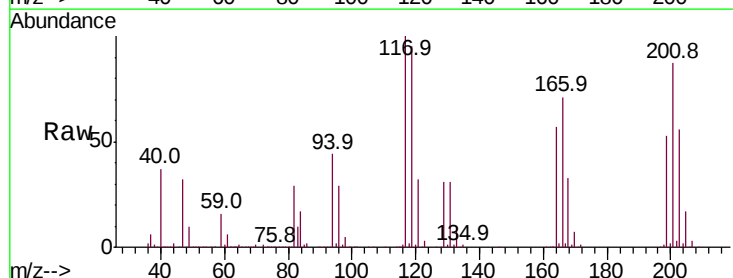
Manual Integrations
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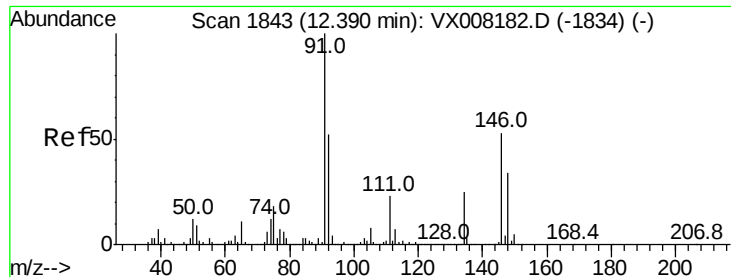
MMDadoda
3/20/2019 10:27:38 AM



#90
Hexachloroethane
Concen: 20.564 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	48.9	146.7





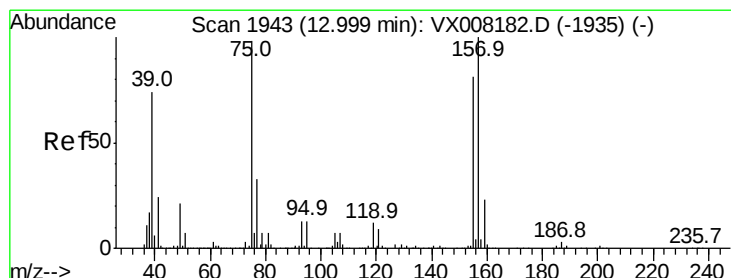
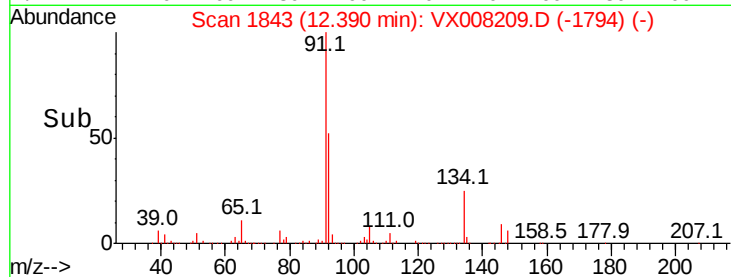
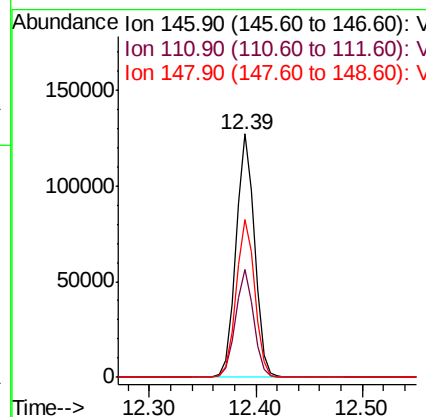
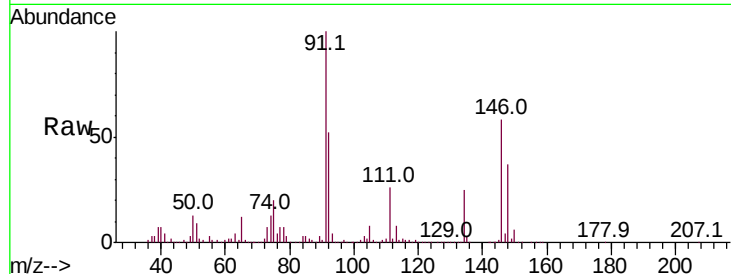
#91
 1,2-Dichlorobenzene
 Concen: 20.432 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008209.D
 Acq: 19 Mar 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.6	58.8
148	64.7	31.9	95.5

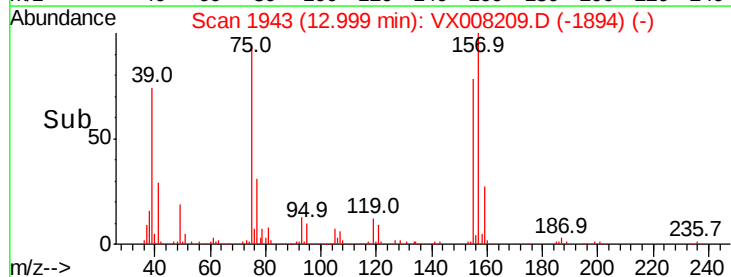
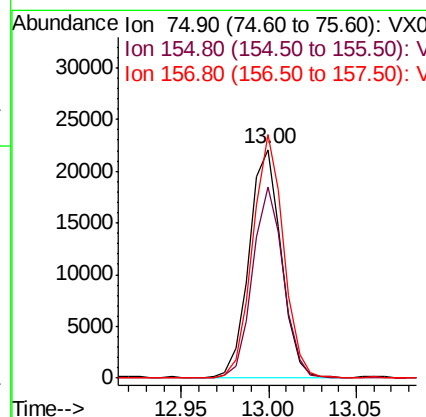
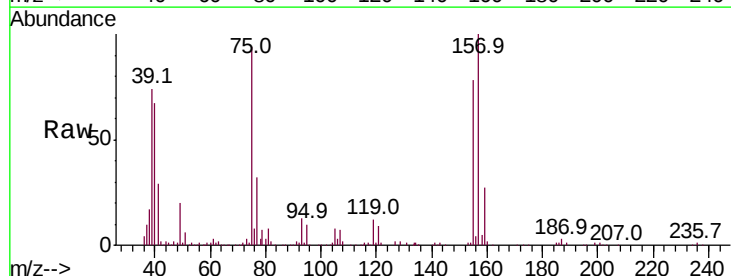
Manual Integrations
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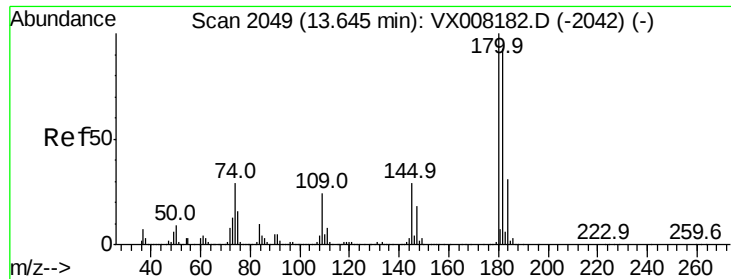
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 3/20/2019 10:27:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.177 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008209.D
 Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	49.7	149.1
157	102.7	63.8	191.4





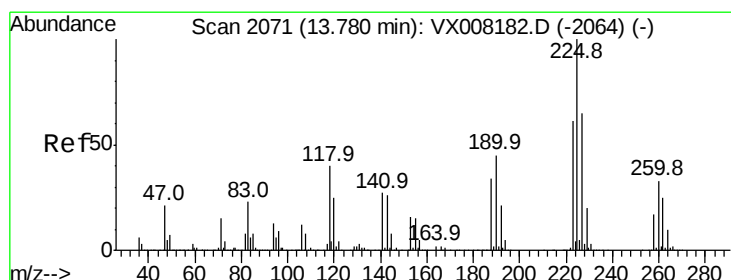
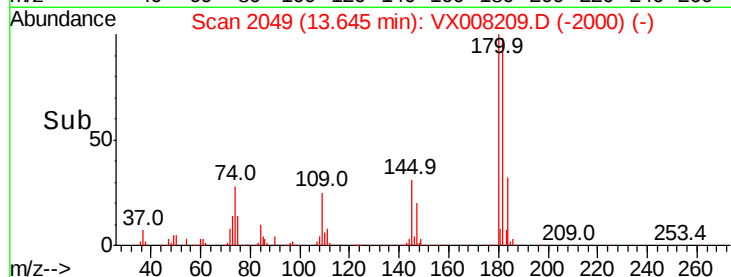
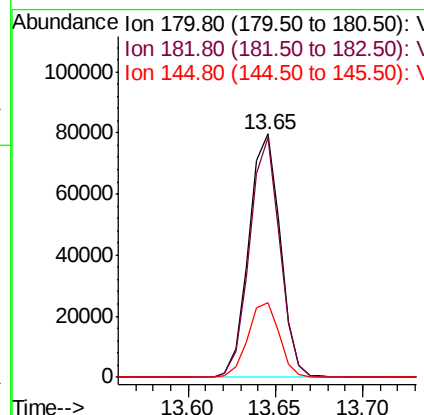
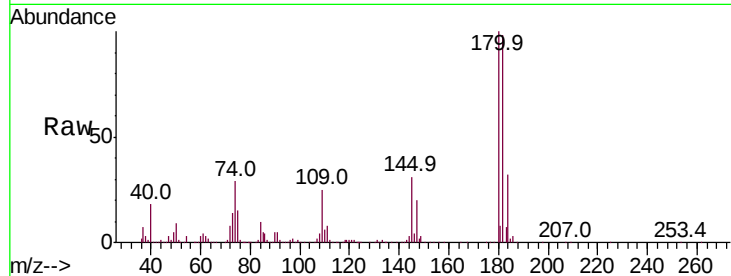
#93
1,2,4-Trichlorobenzene
Concen: 19.811 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.9	143.7	
145	30.9	14.1	42.4	

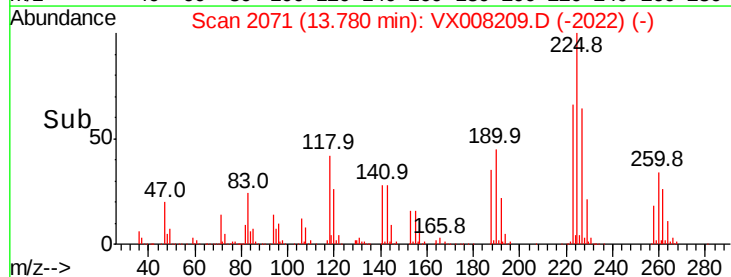
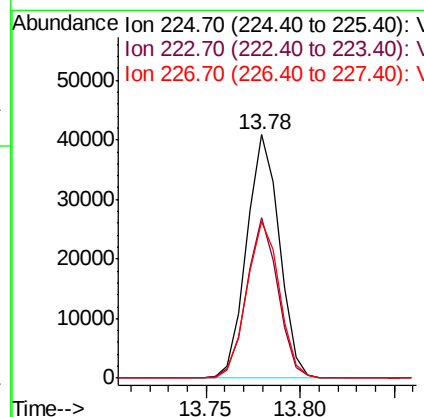
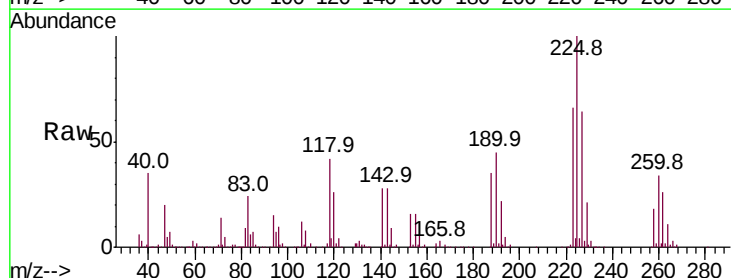
Manual Integrations
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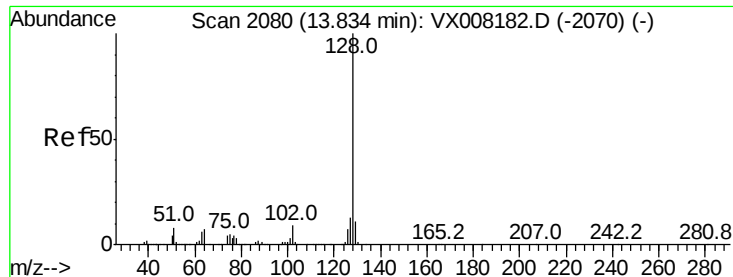
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#94
Hexachlorobutadiene
Concen: 20.022 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.1	93.2	
227	64.5	32.0	96.0	





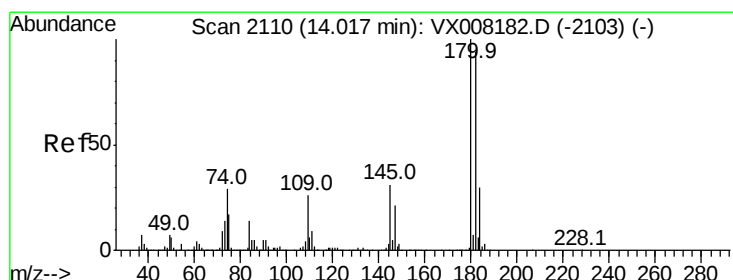
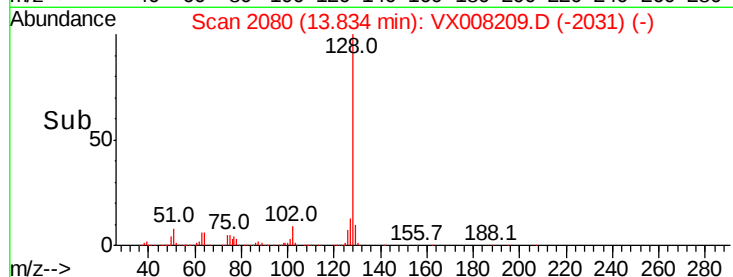
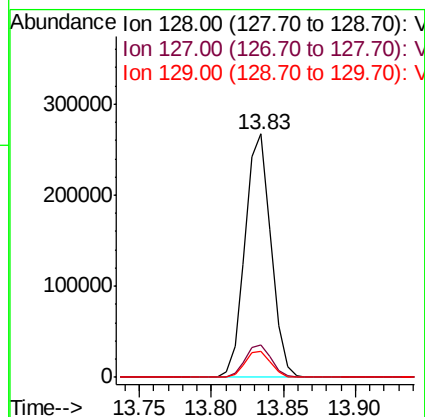
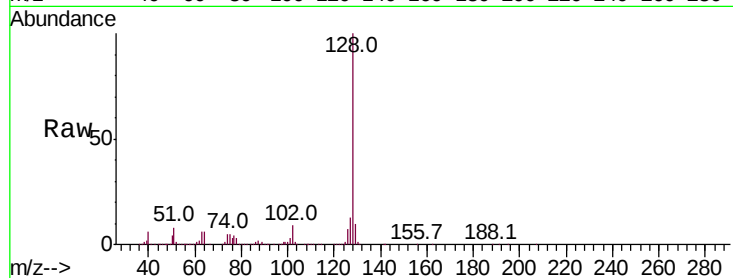
#95
Naphthalene
Concen: 20.931 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.496 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008209.D
Acq: 19 Mar 2019 23:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.5	142.5
145	31.2	14.8	44.3

