

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008480.D
 Acq On : 27 Mar 2019 14:20
 Operator : JC/SP
 Sample : VX0327WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:46:54 PM

Quant Time: Mar 28 09:49:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	34863	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	201696	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	179726	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	86444	29.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.80%
60) 4-Bromofluorobenzene	11.13	95	93119	29.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.13%
63) Toluene-d8	8.71	98	258356	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	45980	19.288	ug/l 98
3) Chloromethane	1.32	50	62165	19.903	ug/l 96
4) Vinyl Chloride	1.40	62	59349	18.851	ug/l 99
5) Bromomethane	1.64	94	30550	18.728	ug/l 100
6) Chloroethane	1.72	64	35301	17.131	ug/l 98
7) Trichlorofluoromethane	1.93	101	66149	18.930	ug/l 97
8) Diethyl Ether	2.18	74	31066	18.851	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	2.38	101	42017	19.308	ug/l 92
10) 1,1-Dichloroethene	2.37	96	42335	19.176	ug/l # 80
11) Methyl Iodide	2.51	142	39254	17.171	ug/l 96
12) Methyl Acetate	3.19	43	34046	19.027	ug/l 94
13) Acrolein	2.29	56	45193	88.038	ug/l 97
14) Acrylonitrile	3.14	53	156591	94.656	ug/l 99
15) Acetone	2.44	58	44356	86.947	ug/l 88
16) Carbon Disulfide	2.57	76	129367	18.837	ug/l 99
17) Allyl chloride	2.73	41	91380	18.417	ug/l 92
18) Methylene Chloride	2.85	84	50942	19.303	ug/l 91
19) trans-1,2-Dichloroethene	3.16	96	45380	19.239	ug/l 88
20) Diisopropyl ether	3.85	45	184654	19.120	ug/l # 96
21) 1,1-Dichloroethane	3.69	63	92195	19.019	ug/l 96
22) cis-1,2-Dichloroethene	4.59	96	51471	18.884	ug/l # 81
23) tert-Butyl Alcohol	3.04	59	61758	92.449	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	153875	18.965	ug/l 98
25) Chloroform	5.21	83	83739	19.071	ug/l 95
26) Cyclohexane	5.57	56	91229	19.372	ug/l # 83
29) 1,1-Dichloropropene	5.79	75	66033	19.460	ug/l 93
30) 2-Butanone	4.67	43	229975	92.166	ug/l 95
31) 2,2-Dichloropropane	4.57	77	62562	18.460	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	66231	18.796	ug/l # 95
33) Carbon Tetrachloride	5.78	117	55209	18.727	ug/l 95
34) Benzene	6.13	78	200188	19.300	ug/l # 95
35) Methacrylonitrile	5.03	41	47965	18.903	ug/l 92
36) 1,2-Dichloroethane	6.19	62	70868	19.164	ug/l 98
37) Trichloroethene	7.21	130	45555m	19.098	ug/l
38) Methylcyclohexane	7.46	83	83620	19.557	ug/l 88
39) 1,2-Dichloropropane	7.51	63	56019	19.041	ug/l 99
40) Dibromomethane	7.66	93	32118	18.846	ug/l 89

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	62357	18.609	ug/l	98
42) Vinyl Acetate	3.81	43	814352	96.275	ug/l #	94
43) Ethyl Acetate	4.82	43	84913	18.908	ug/l #	82
44) Isopropyl Acetate	6.44	43	135367	18.641	ug/l	98
45) 1,4-Dioxane	7.74	88	28267	391.016	ug/l #	84
46) Methyl methacrylate	7.76	41	68245	18.504	ug/l	85
47) n-amyl Acetate	10.90	43	120425	18.256	ug/l	95
48) t-1,3-Dichloropropene	9.04	75	68592	18.122	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	78375	18.513	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	48367	19.114	ug/l	96
51) Ethyl methacrylate	9.18	69	86565	18.383	ug/l	92
52) 1,3-Dichloropropane	9.37	76	86236	19.155	ug/l	99
53) Dibromochloromethane	9.58	129	44756	17.973	ug/l	100
54) 1,2-Dibromoethane	9.67	107	49633	19.027	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	225866	95.074	ug/l	95
56) Bromoform	10.85	173	31511	17.363	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	446448	94.158	ug/l	95
59) 2-Hexanone	9.49	43	349591	93.324	ug/l	97
61) Tetrachloroethene	9.34	164	39435	20.060	ug/l	97
62) Toluene	8.78	91	208503	19.161	ug/l	99
64) Chlorobenzene	10.13	112	123060	19.300	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	41542	18.479	ug/l	97
66) Ethyl Benzene	10.25	91	229146	18.972	ug/l	96
67) m/p-Xylenes	10.36	106	169380	38.448	ug/l	91
68) o-Xylene	10.69	106	81986	19.018	ug/l	92
69) Styrene	10.71	104	140704	18.757	ug/l	96
70) Isopropylbenzene	11.02	105	220747	19.412	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	80847	19.031	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	68358m	19.036	ug/l	
73) Bromobenzene	11.26	156	50353	18.611	ug/l	77
74) n-propylbenzene	11.36	91	261922	19.334	ug/l	94
75) 2-Chlorotoluene	11.42	91	155732	19.322	ug/l	89
76) 1,3,5-Trimethylbenzene	11.51	105	185073	19.036	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	22667	16.456	ug/l	95
78) 4-Chlorotoluene	11.51	91	177149	19.097	ug/l	91
79) tert-butylbenzene	12.06	119	191813	19.306	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	184929	19.077	ug/l	96
81) sec-Butylbenzene	11.94	105	214662	19.325	ug/l	96
82) p-Isopropyltoluene	12.06	119	191813	19.306	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	91871	19.127	ug/l	94
84) 1,4-Dichlorobenzene	12.10	146	91905	19.147	ug/l	97
85) n-Butylbenzene	12.38	91	177740	18.828	ug/l	96
86) Hexachloroethane	12.60	117	29867	17.992	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	93722	19.365	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	17969	19.084	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.65	180	64837	19.422	ug/l	99
90) Hexachlorobutadiene	13.78	225	31651	19.680	ug/l	99
91) Naphthalene	13.83	128	227389	19.881	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	66797	19.863	ug/l	99

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Instrument :
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ClientSampleId :
VX0327WBS01

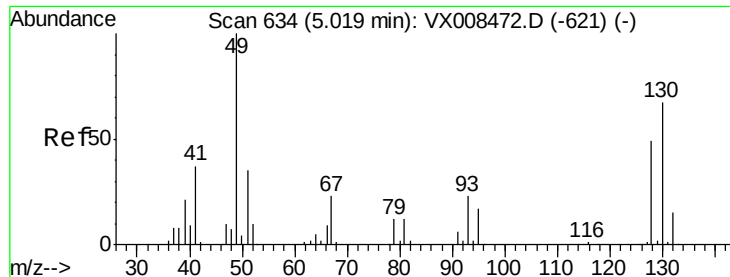
Manual Integrations
APPROVED

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4/1/2019 3:46:54 PM

Quant Time: Mar 28 09:49:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion:128 Resp: 34863

Ion Ratio Lower Upper

128 100

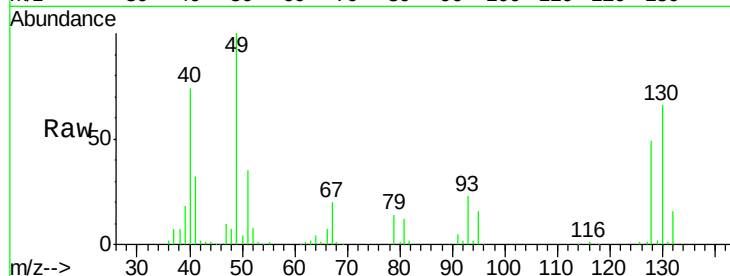
49 208.3 0.0 350.8

130 128.2 0.0 325.8

Manual Integrations
APPROVED

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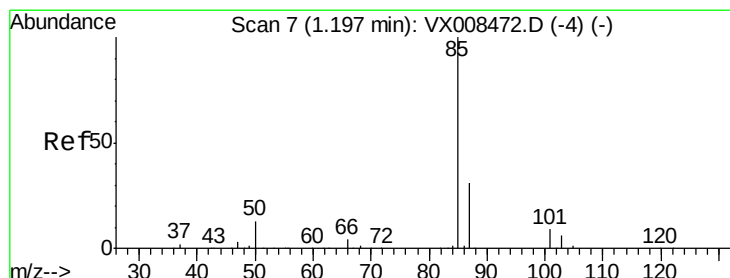
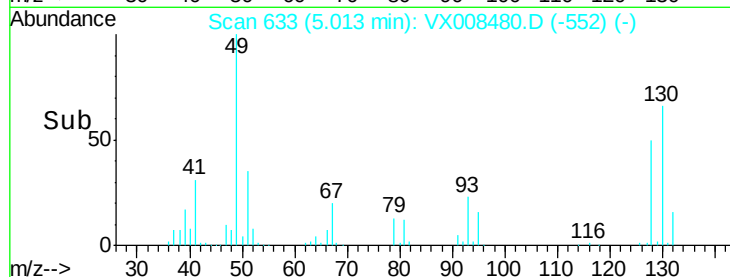
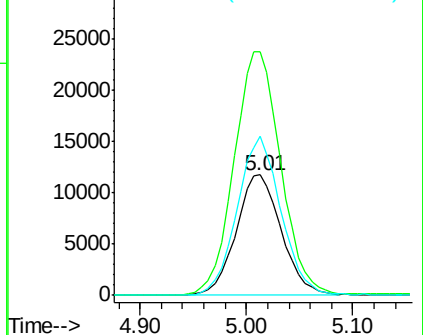
4/1/2019 3:46:54 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.288 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008480.D

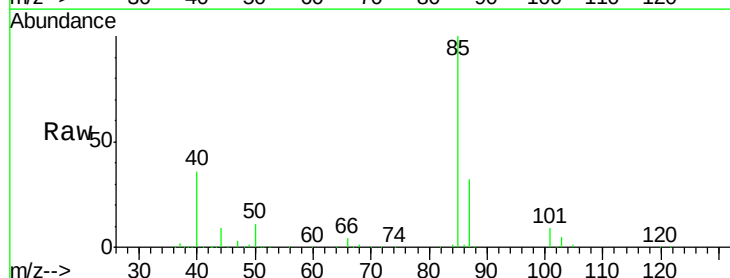
Acq: 27 Mar 2019 14:20

Tgt Ion: 85 Resp: 45980

Ion Ratio Lower Upper

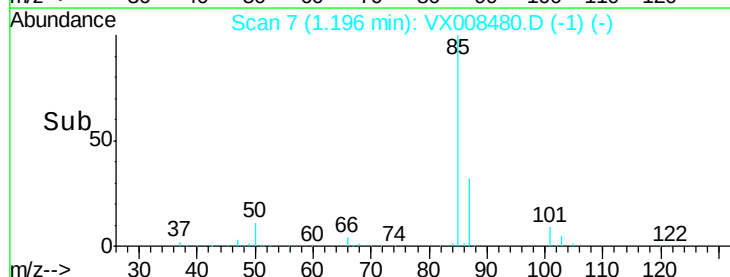
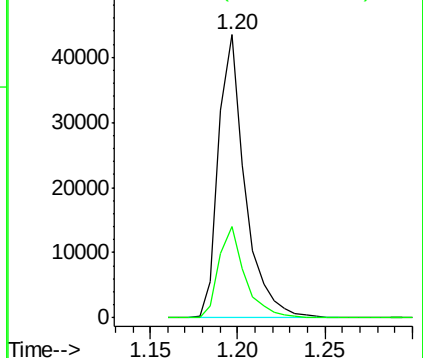
85 100

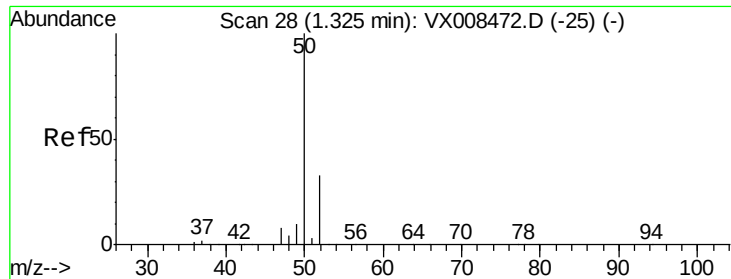
87 32.2 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.903 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion: 50 Resp: 62165

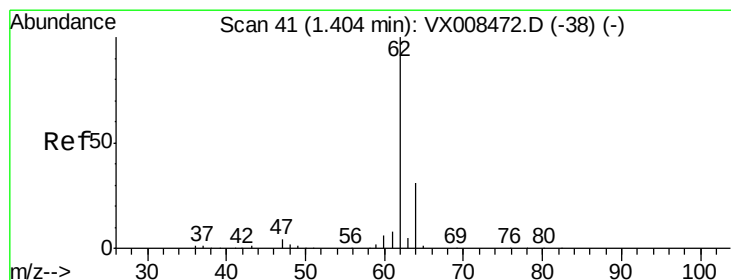
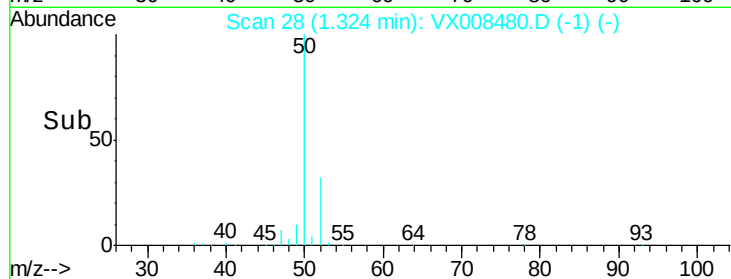
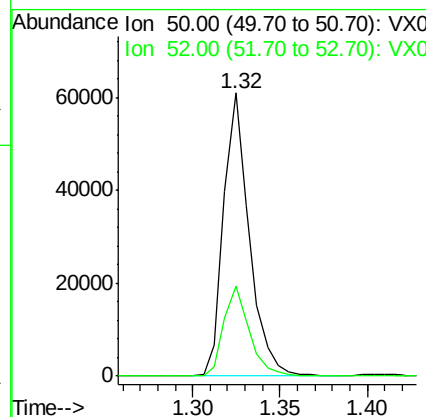
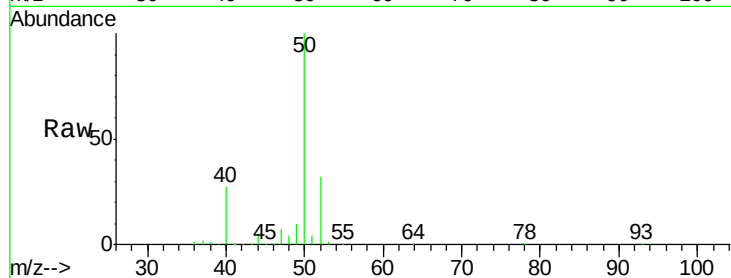
Ion Ratio Lower Upper

50 100

52 31.9 27.5 41.3

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 18.851 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008480.D

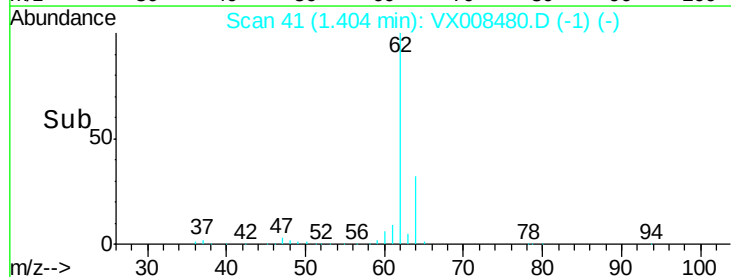
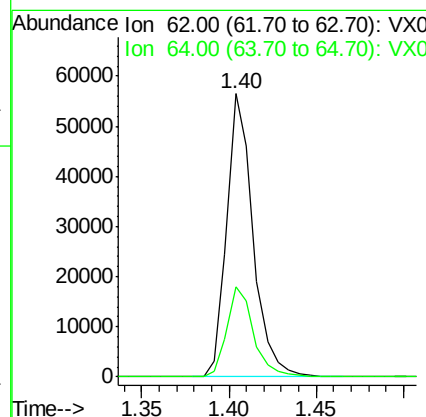
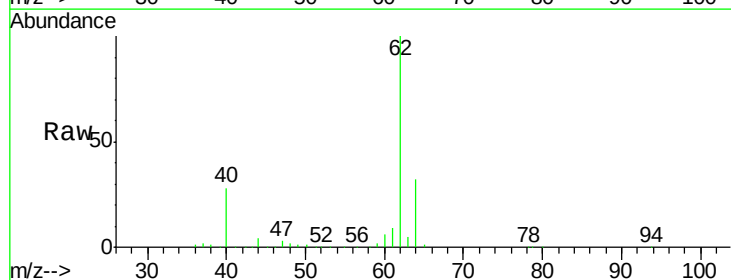
Acq: 27 Mar 2019 14:20

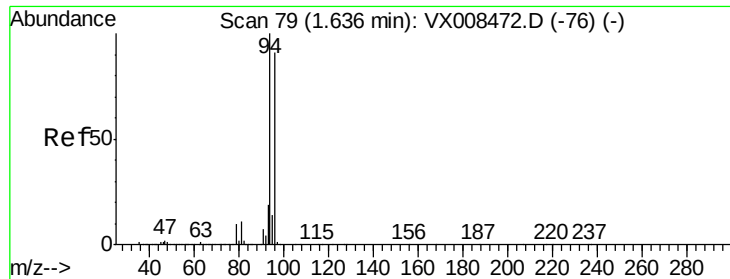
Tgt Ion: 62 Resp: 59349

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 18.728 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion: 94 Resp: 30550

Ion Ratio Lower Upper

94 100

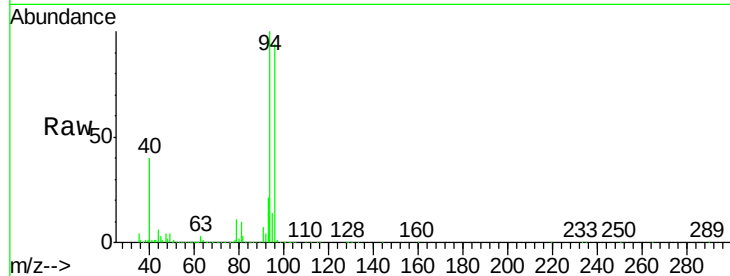
96 94.2 75.6 113.4

Manual Integrations

APPROVED

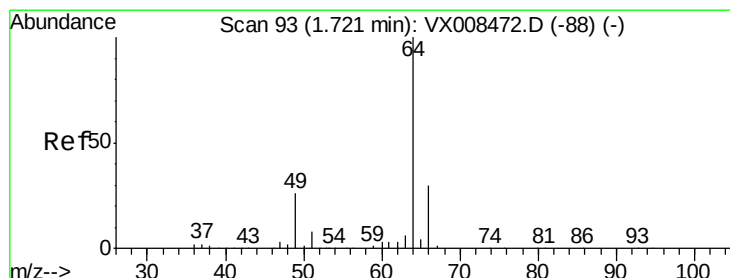
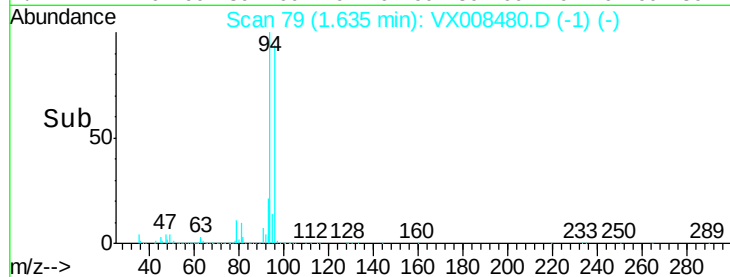
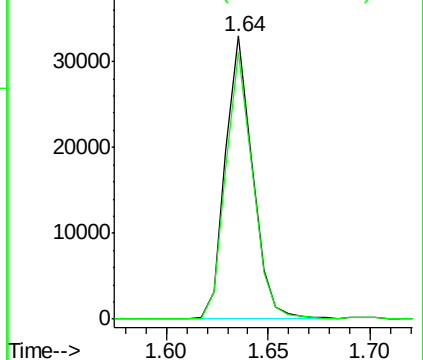
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.131 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008480.D

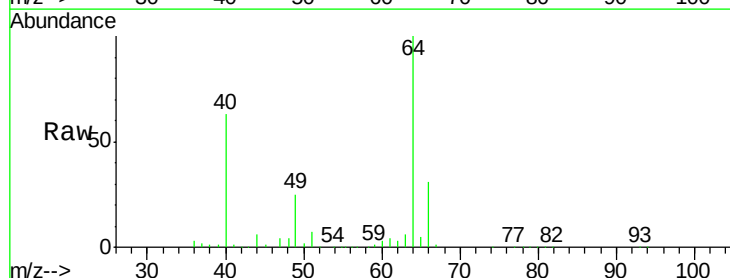
Acq: 27 Mar 2019 14:20

Tgt Ion: 64 Resp: 35301

Ion Ratio Lower Upper

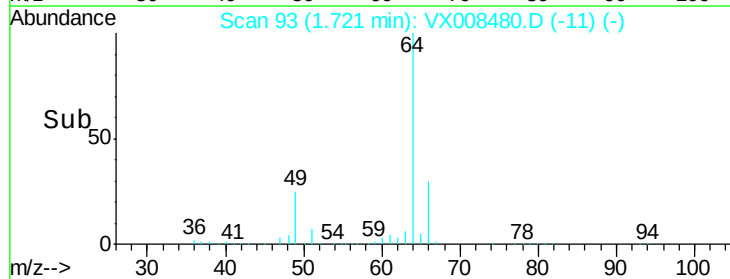
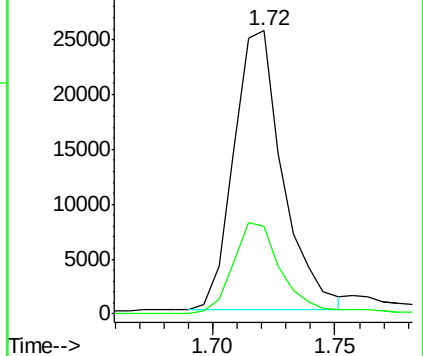
64 100

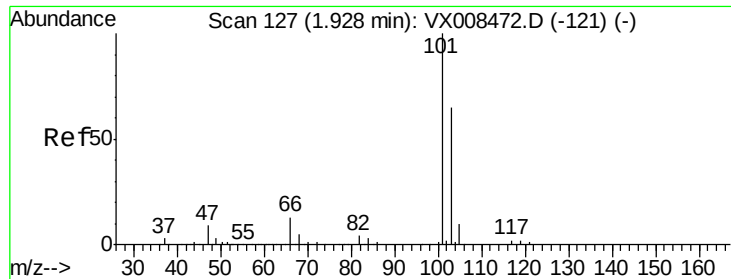
66 31.0 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

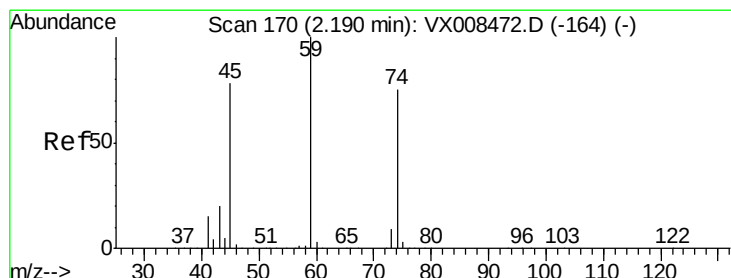
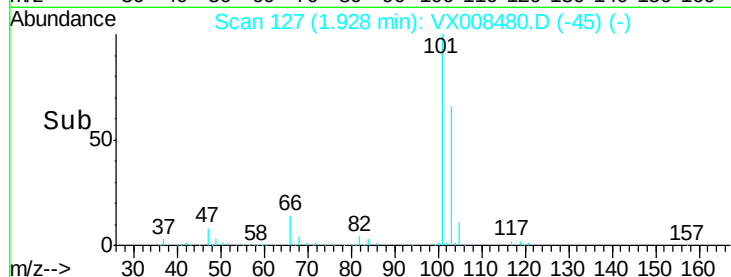
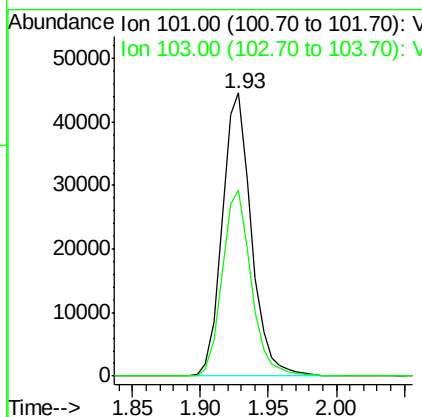
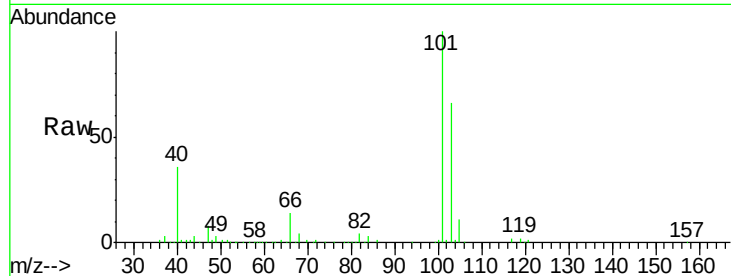
Trichlorofluoromethane
Concen: 18.930 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
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ClientSampleId :
VX0327WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.4	75.6

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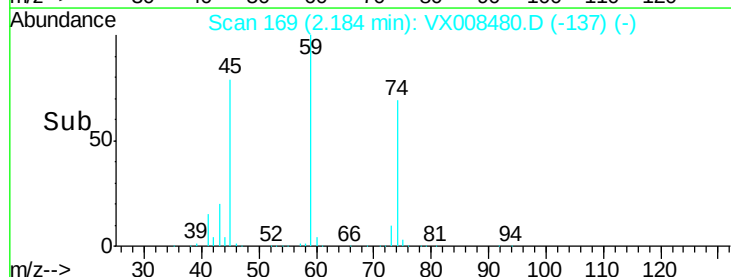
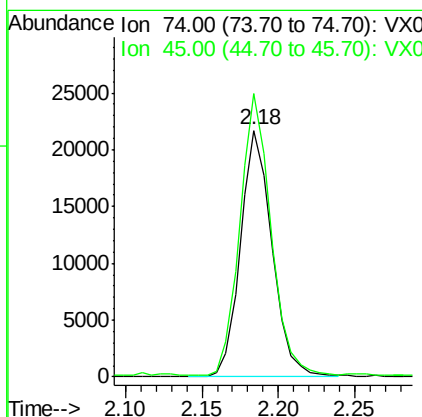
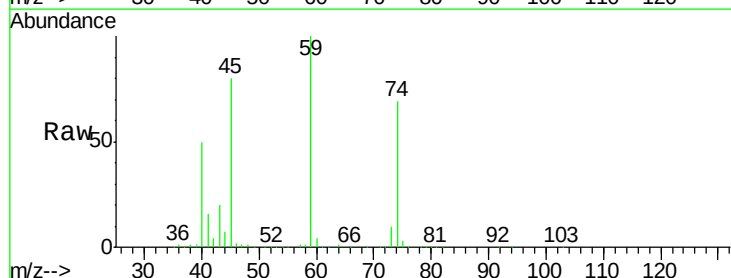
MMDadoda
4/1/2019 3:46:54 PM

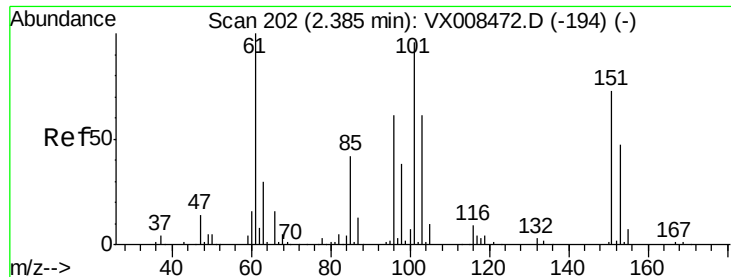


#8

Diethyl Ether
Concen: 18.851 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.6	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.308 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

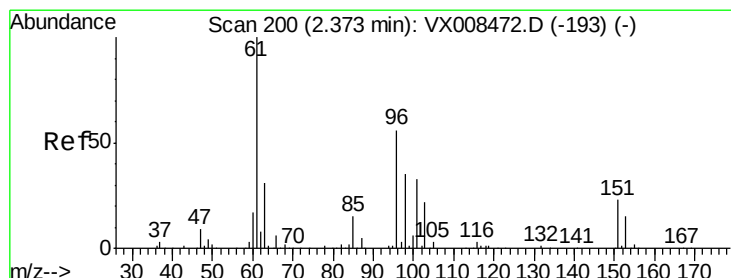
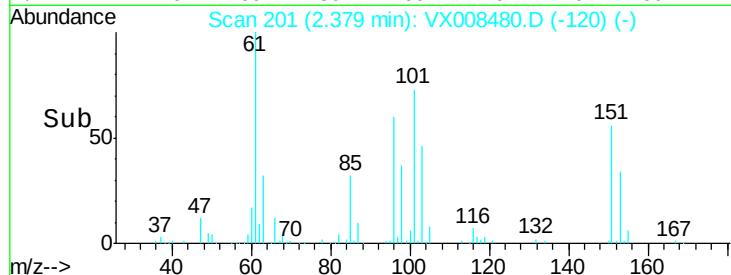
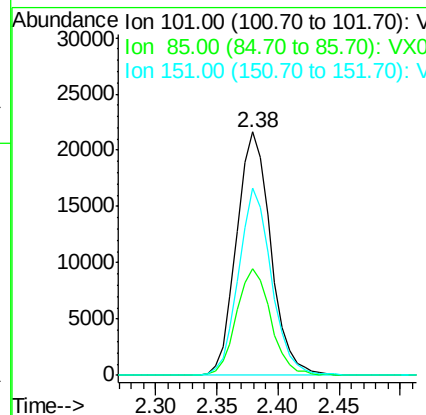
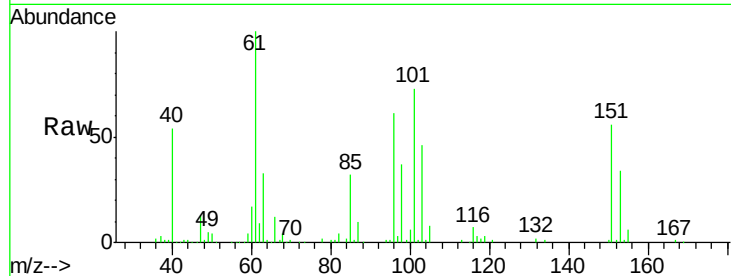
ClientSampleId :

VX0327WBS01

Tot Ion:	101	Resp:	42017
Ion Ratio	Lower	Upper	
101	100		
85	43.9	0.0	86.8
151	73.8	0.0	169.2

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#10

1,1-Dichloroethene

Concen: 19.176 ug/l

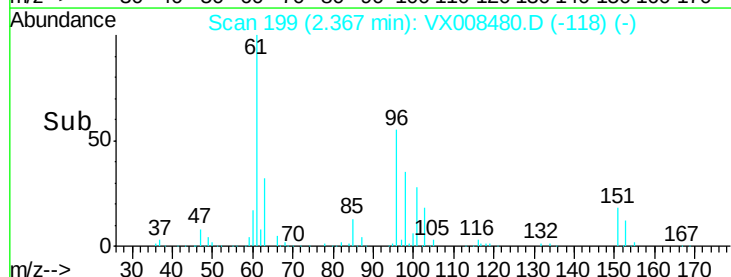
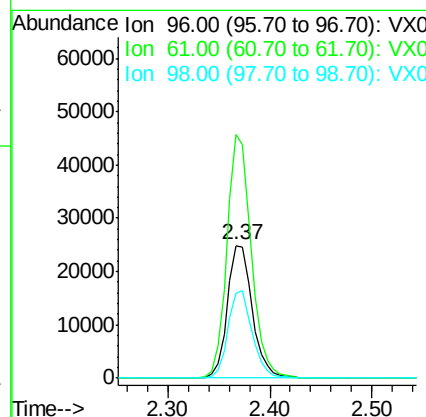
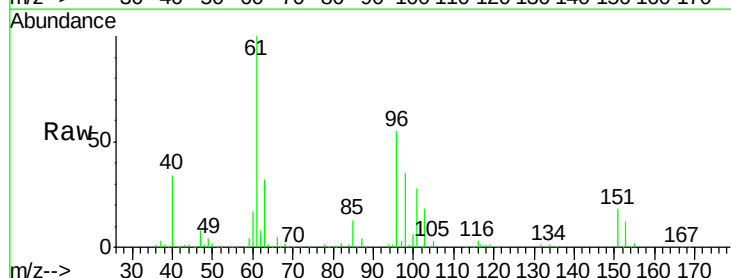
RT: 2.37 min Scan# 199

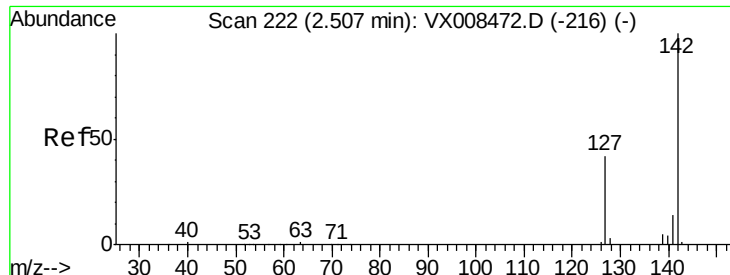
Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion:	96	Resp:	42335
Ion Ratio	Lower	Upper	
96	100		
61	183.0	120.2	180.2#
98	64.4	49.0	73.4





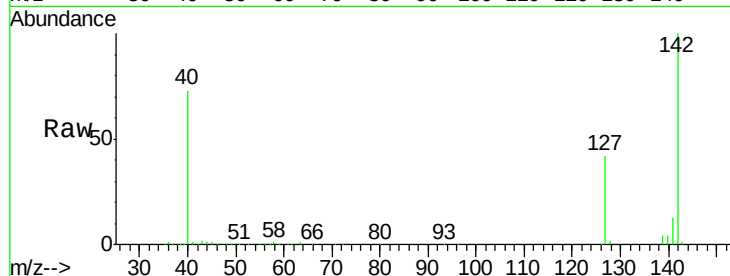
#11
Methvl Iodide
Concen: 17.171 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

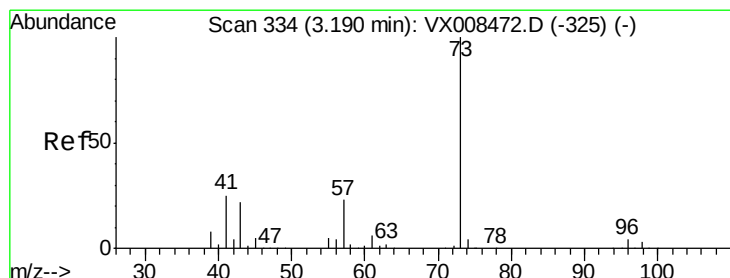
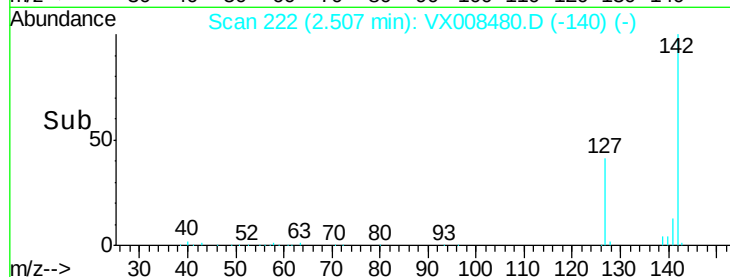
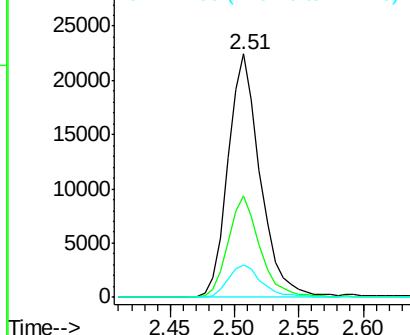
Tot Ion	Ratio	Lower	Upper
142	100		
127	41.5	22.1	66.5
141	13.2	7.4	22.3

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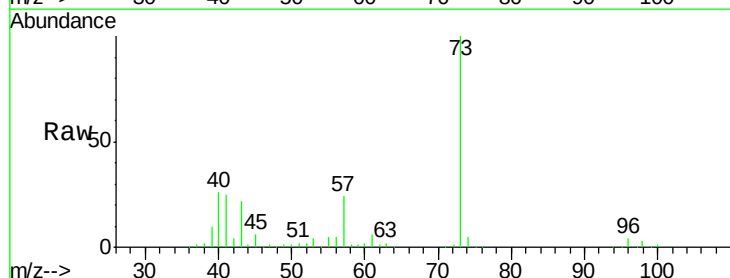


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

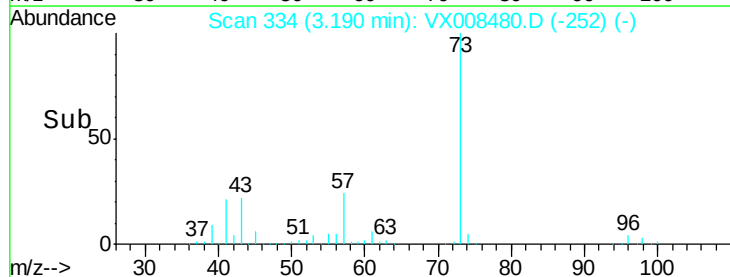
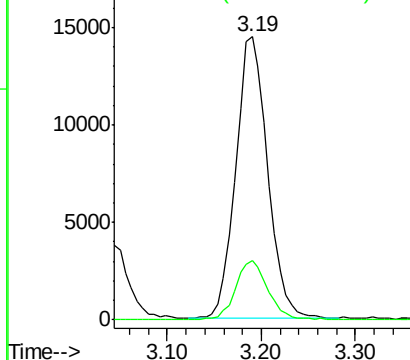


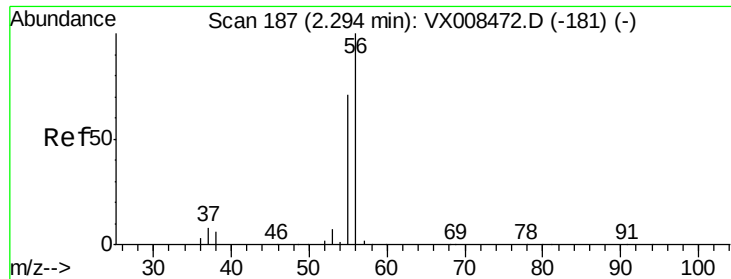
#12
Methyl Acetate
Concen: 19.027 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	19.4	29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 88.038 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion: 56 Resp: 45193

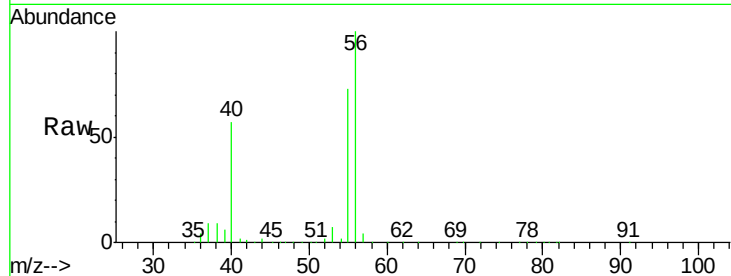
Ion Ratio Lower Upper

56 100

55 70.7 58.6 87.8

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

30000

20000

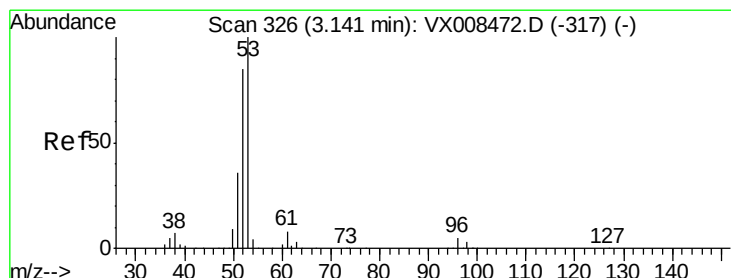
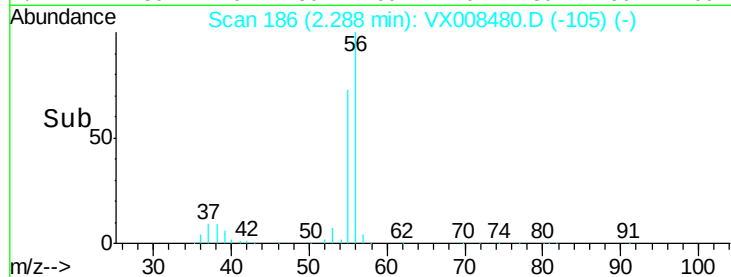
10000

0

Time-->

2.20 2.25 2.30 2.35 2.40

2.29



#14

Acrylonitrile

Concen: 94.656 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

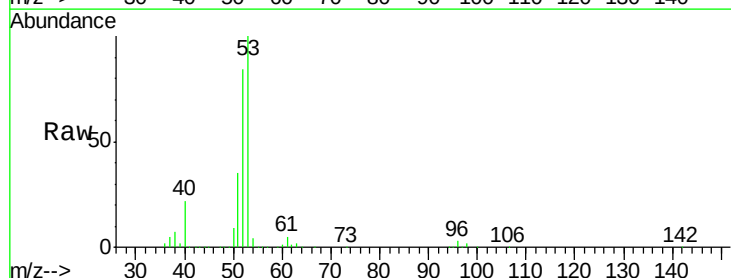
Tgt Ion: 53 Resp: 156591

Ion Ratio Lower Upper

53 100

52 83.1 41.3 124.1

51 36.0 17.5 52.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

100000

80000

60000

40000

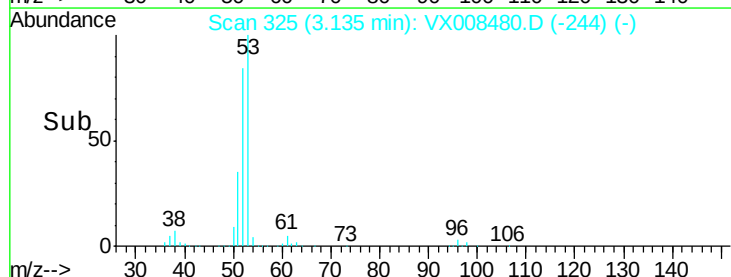
20000

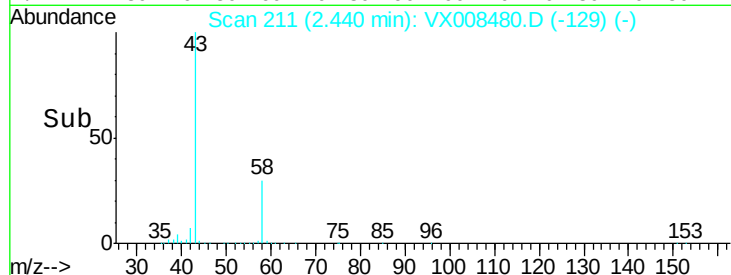
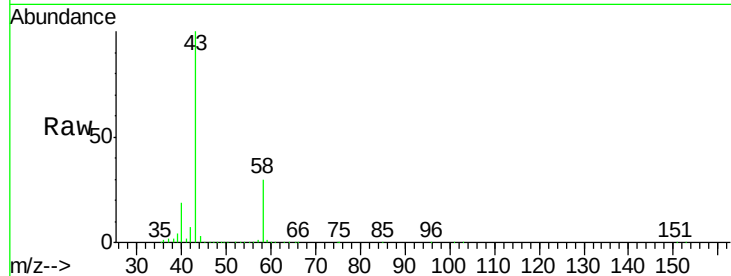
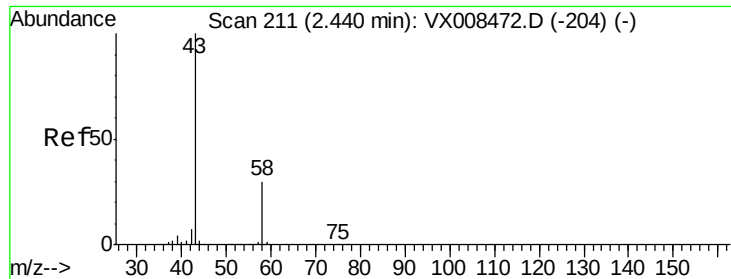
0

Time-->

3.10 3.20 3.30

3.14





#15

Acetone

Concen: 86.947 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tot Ion: 58 Resp: 44356

Ion Ratio Lower Upper

58 100

43 336.8 249.8 374.6

Instrument :

MSVOA_X

ClientSampleId :

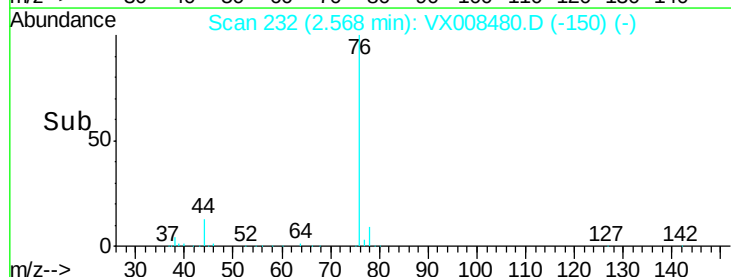
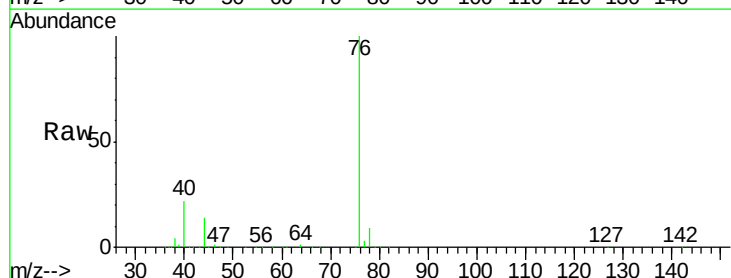
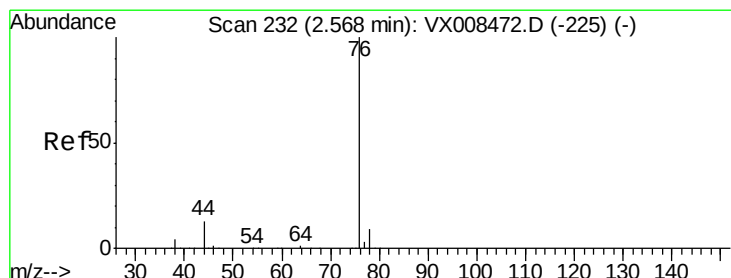
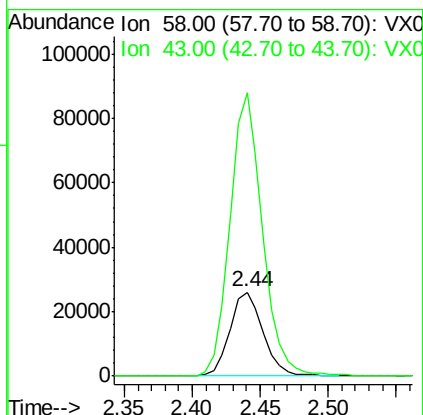
VX0327WBS01

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#16

Carbon Disulfide

Concen: 18.837 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008480.D

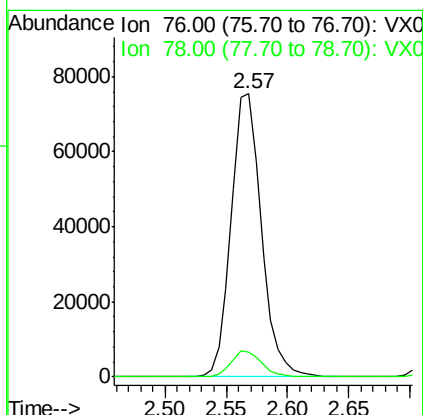
Acq: 27 Mar 2019 14:20

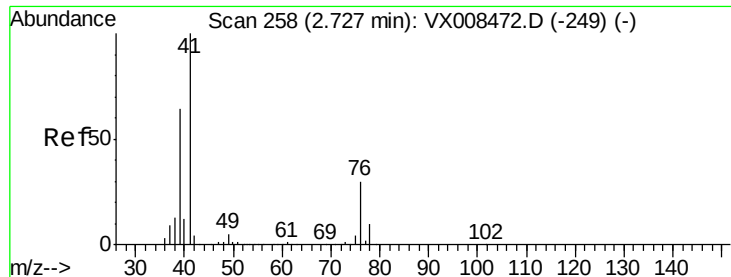
Tgt Ion: 76 Resp: 129367

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





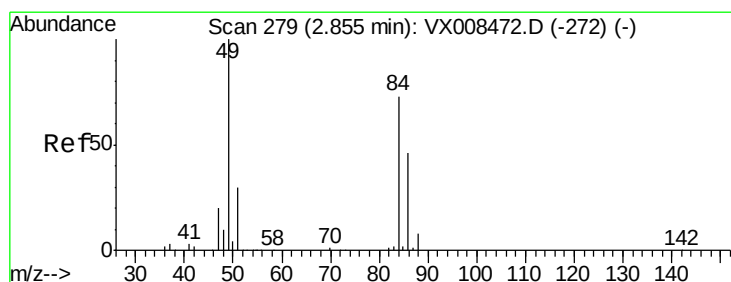
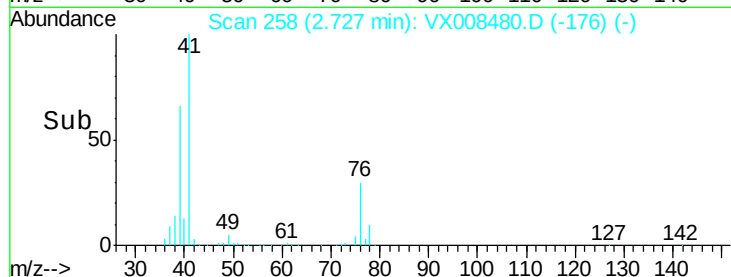
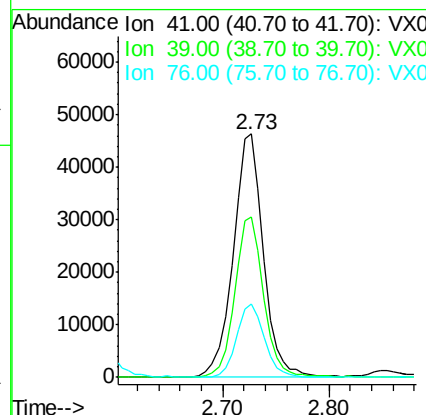
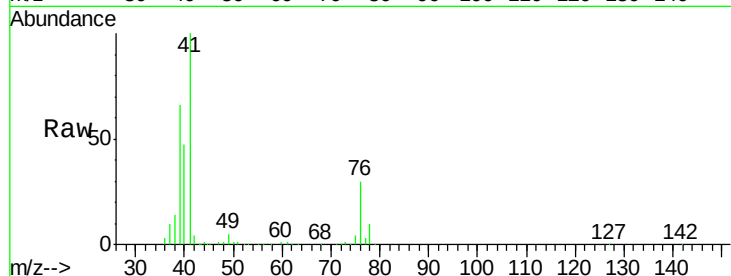
#17
Allvl chloride
Concen: 18.417 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.9	35.8	107.4
76	30.2	18.3	54.9

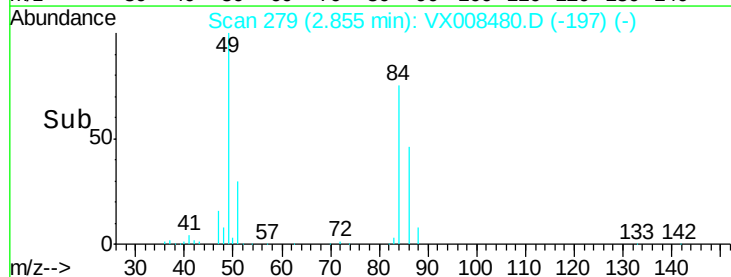
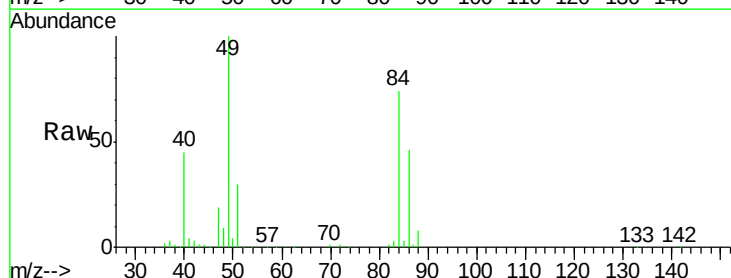
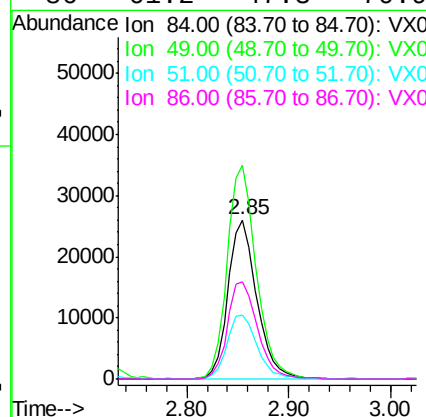
Manual Integrations
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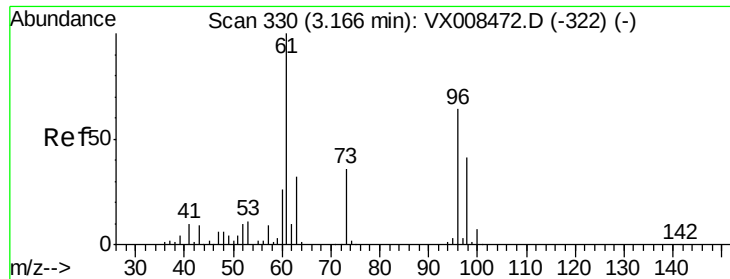
MMDadoda
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#18
Methylene Chloride
Concen: 19.303 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.3	96.1	144.1
51	40.3	29.1	43.7
86	61.2	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 19.239 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

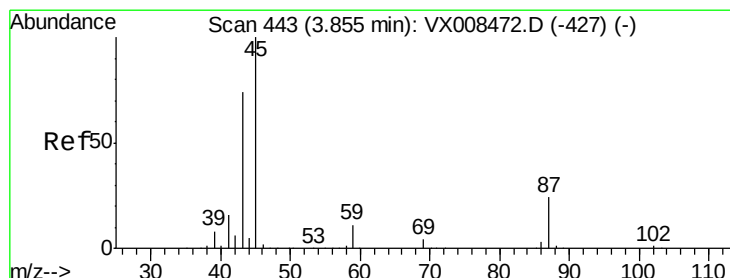
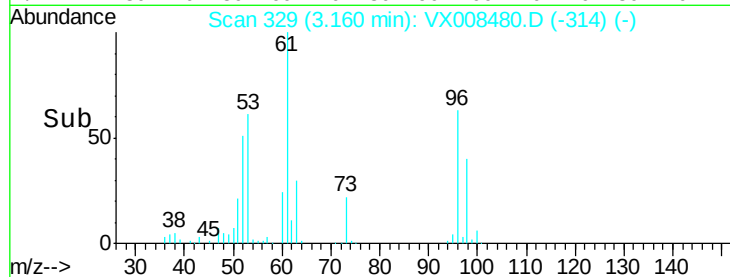
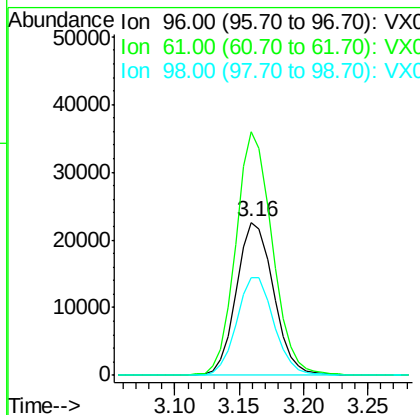
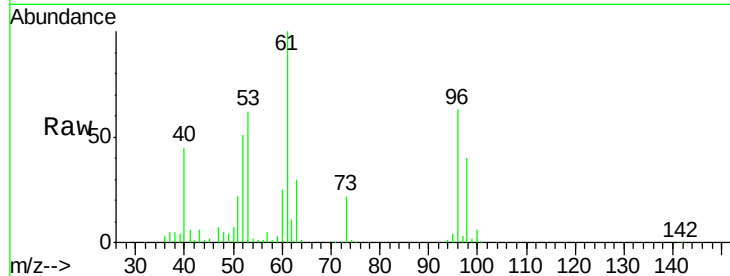
ClientSampleId :

VX0327WBS01

Tot Ion:	96	Resp:	45380
Ion	Ratio	Lower	Upper
96	100		
61	158.6	109.9	164.9
98	63.4	50.4	75.6

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#20

Diisopropyl ether

Concen: 19.120 ug/l

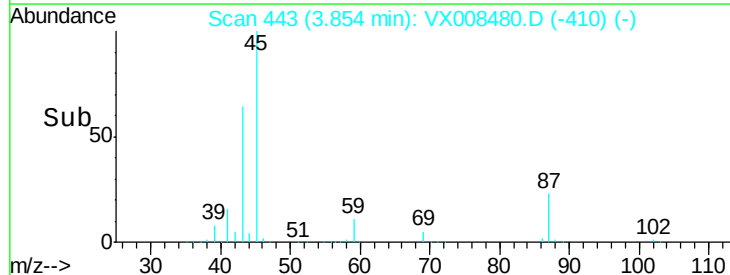
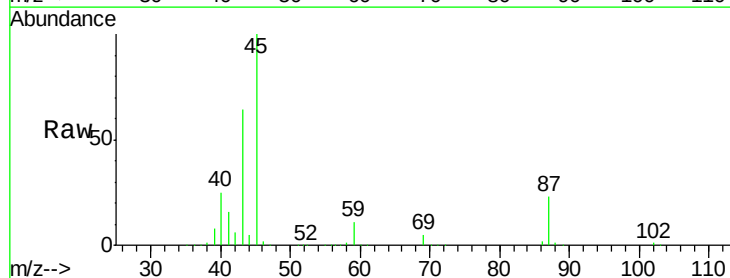
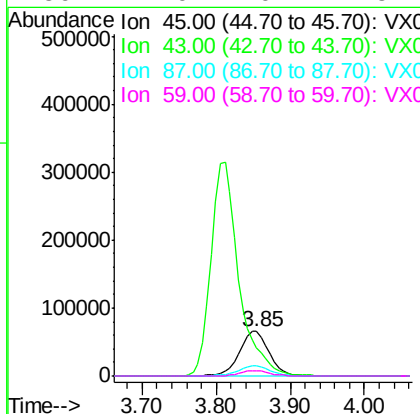
RT: 3.85 min Scan# 443

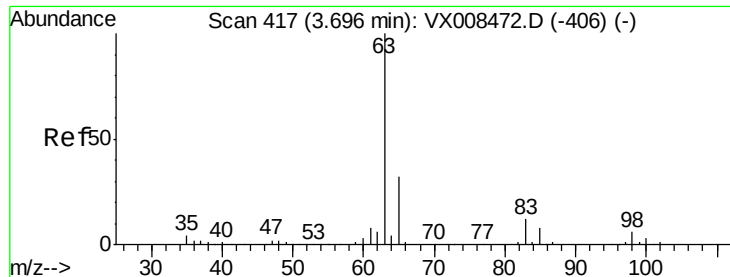
Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion:	45	Resp:	184654
Ion	Ratio	Lower	Upper
45	100		
43	63.2	50.6	76.0
87	23.4	24.5	36.7#
59	11.0	10.2	15.2





#21

1,1-Dichloroethane

Concen: 19.019 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

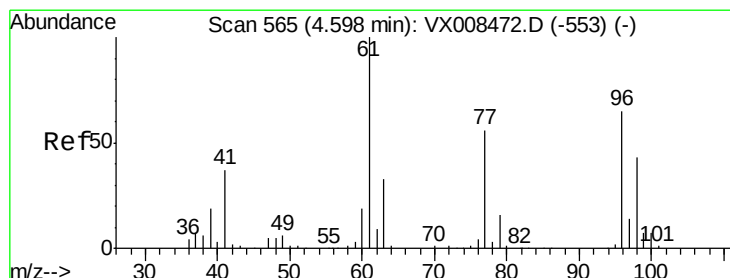
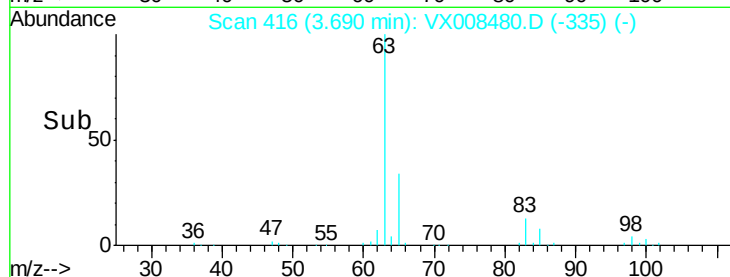
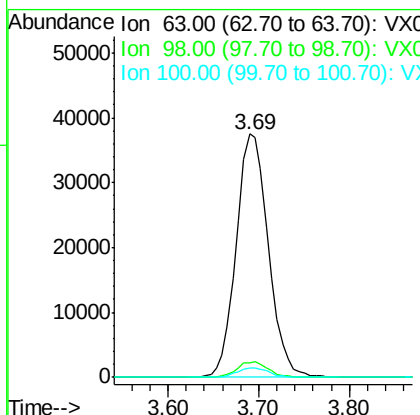
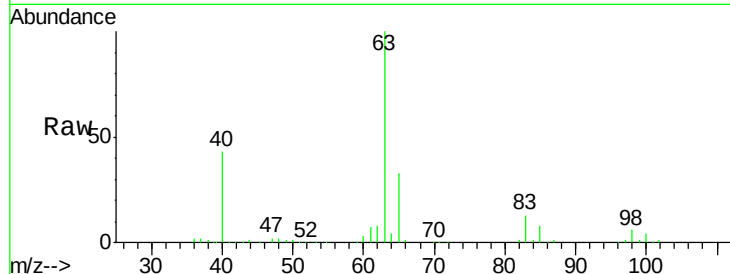
ClientSampleId :

VX0327WBS01

Tot Ion:	63	Resp:	92195
Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.8	11.4
100	3.8	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.884 ug/l

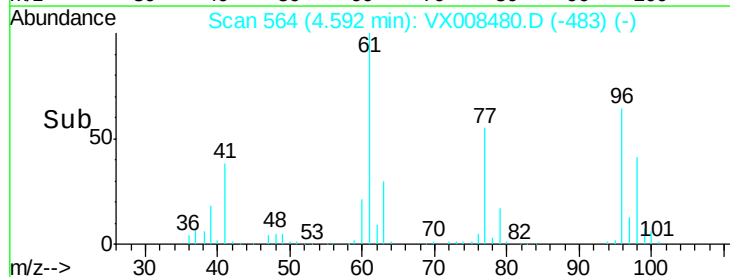
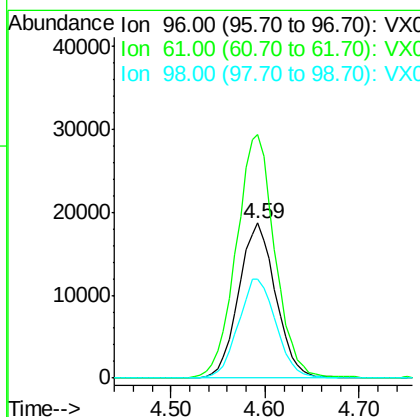
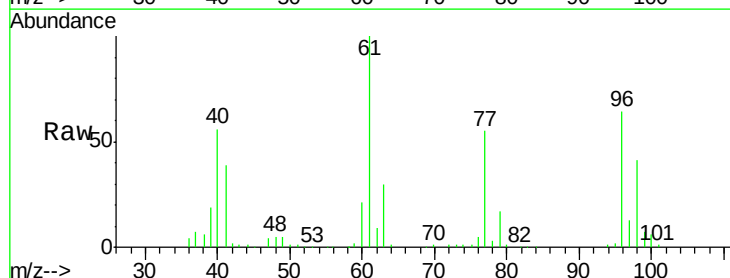
RT: 4.59 min Scan# 564

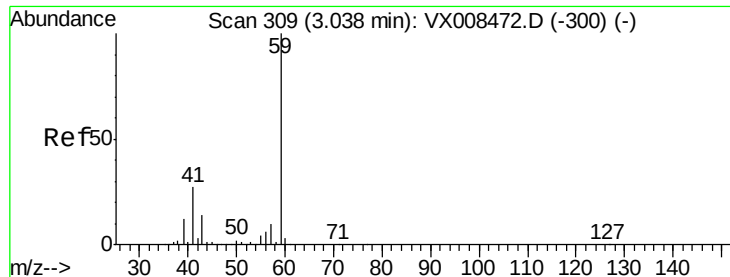
Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion:	96	Resp:	51471
Ion	Ratio	Lower	Upper
96	100		
61	162.3	103.5	155.3#
98	65.3	52.1	78.1





#23

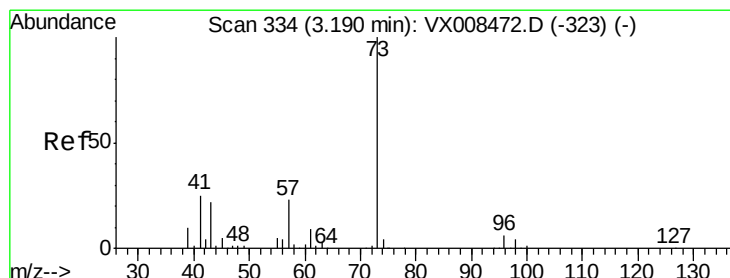
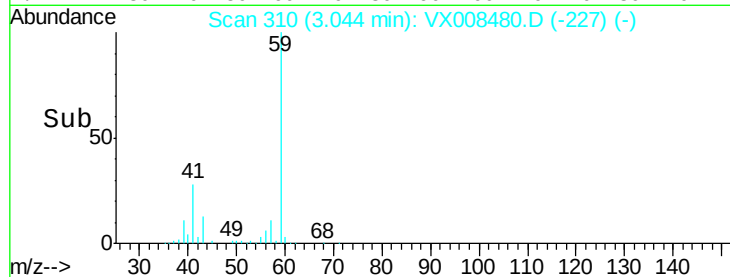
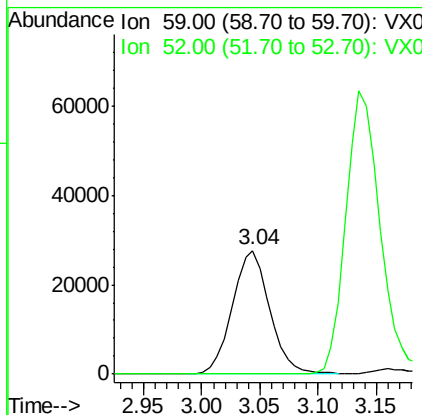
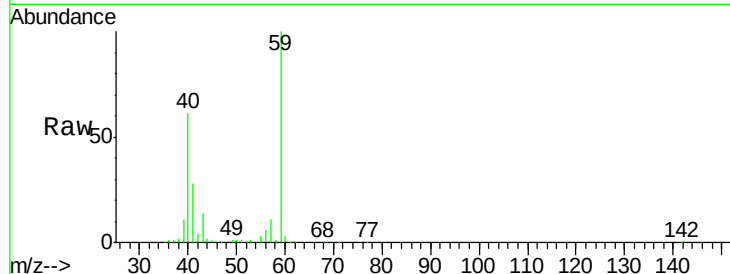
tert-Butyl Alcohol
 Concen: 92.449 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBS01

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.3	0.2	0.2#	

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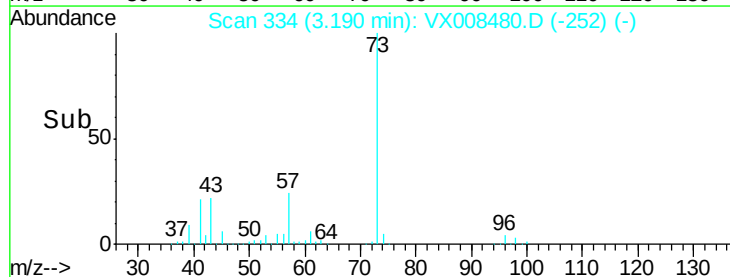
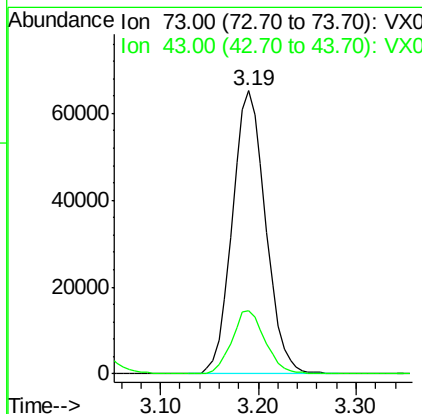
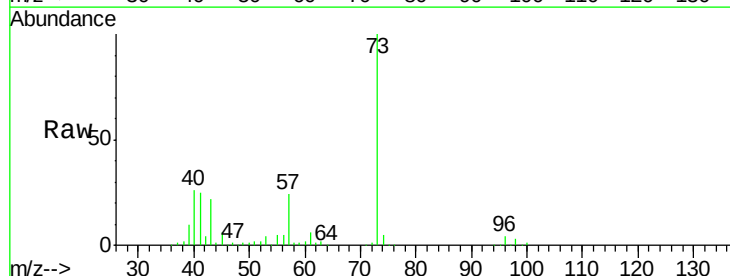
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 4/1/2019 3:46:54 PM

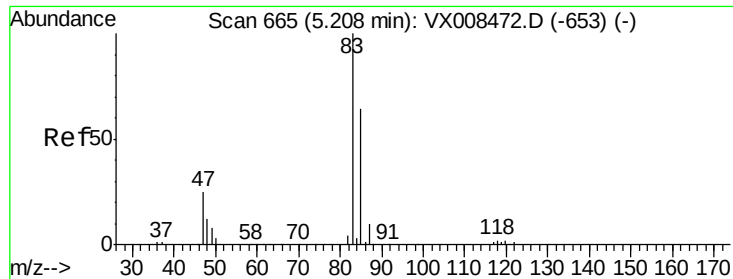


#24

Methyl tert-Butyl Ether
 Concen: 18.965 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	22.1	17.1	25.7	





#25

Chloroform

Concen: 19.071 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion: 83 Resp: 83739

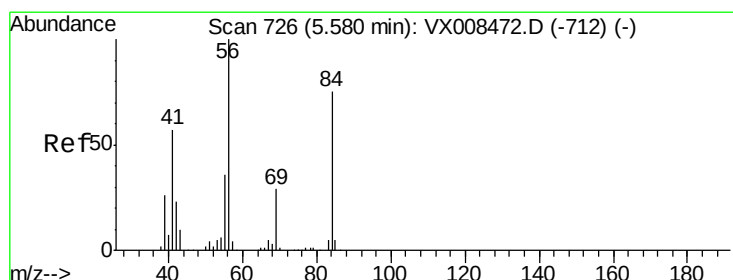
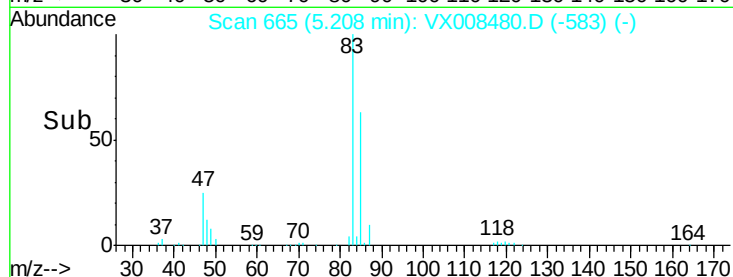
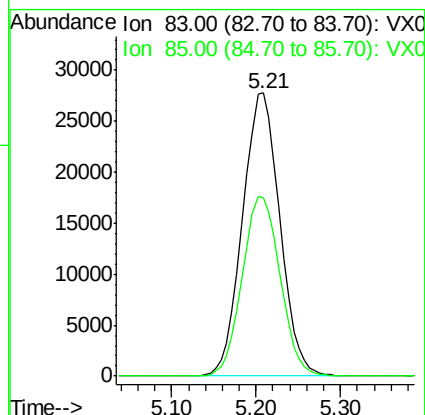
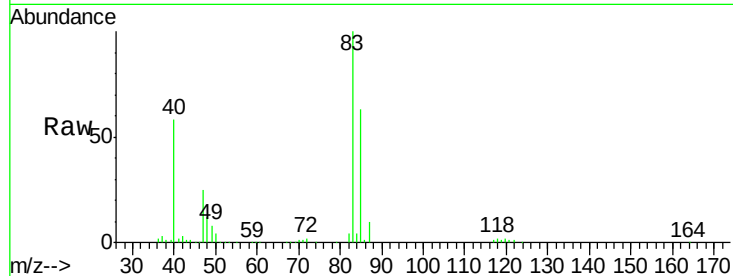
Ion Ratio Lower Upper

83 100

85 63.1 53.8 80.6

Manual Integrations
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#26

Cyclohexane

Concen: 19.372 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

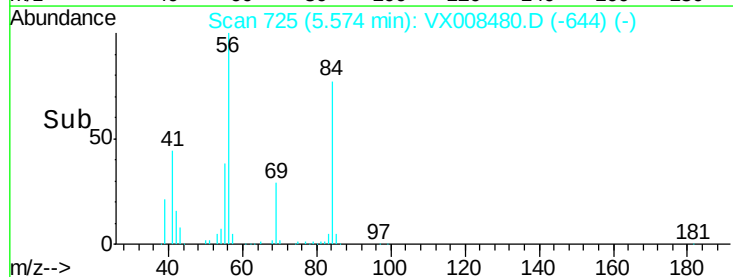
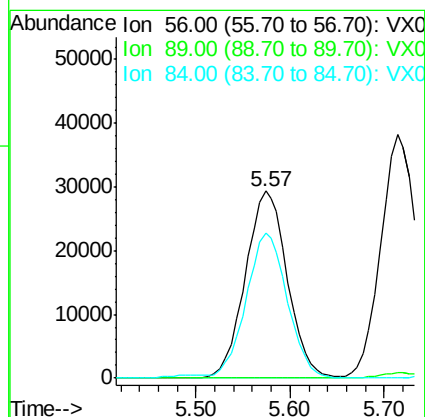
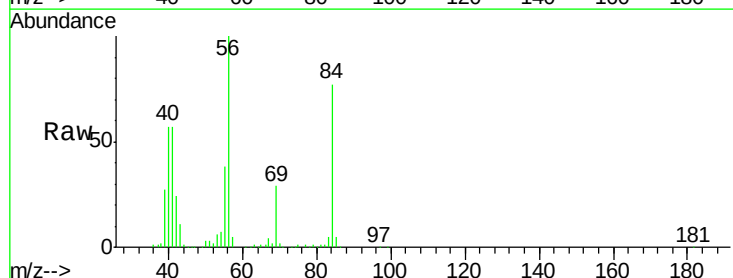
Tgt Ion: 56 Resp: 91229

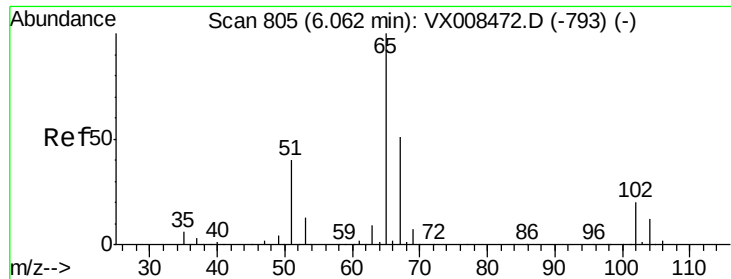
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 76.5 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.640 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion: 65 Resp: 86444

Ion Ratio Lower Upper

65 100

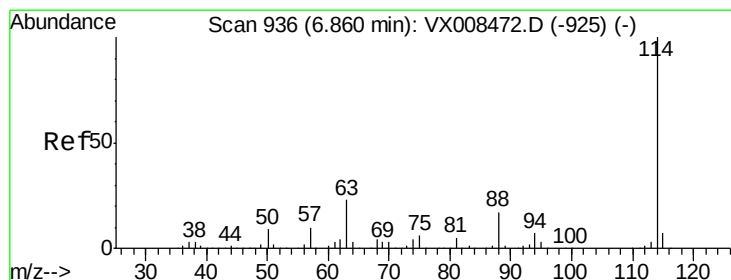
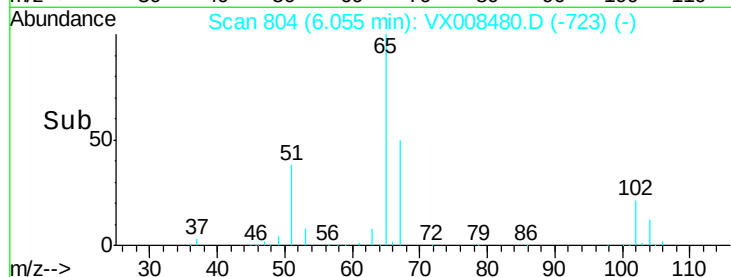
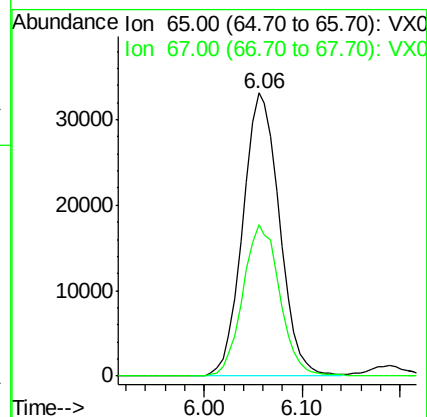
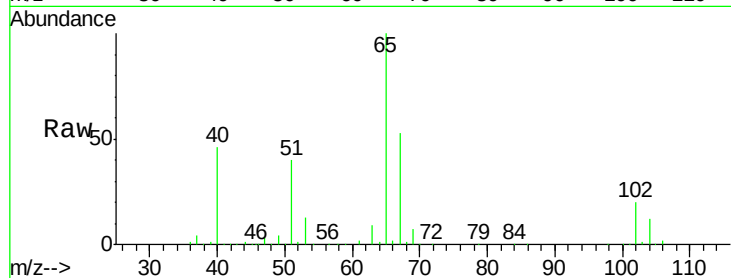
67 53.8 42.9 64.3

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

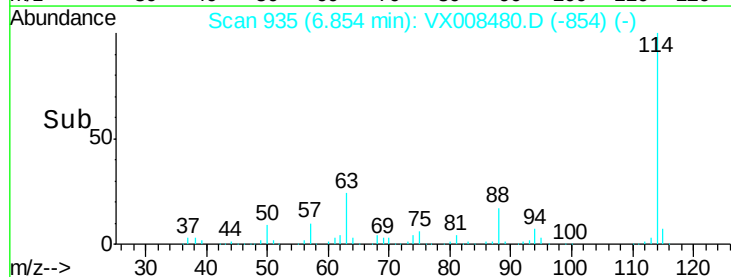
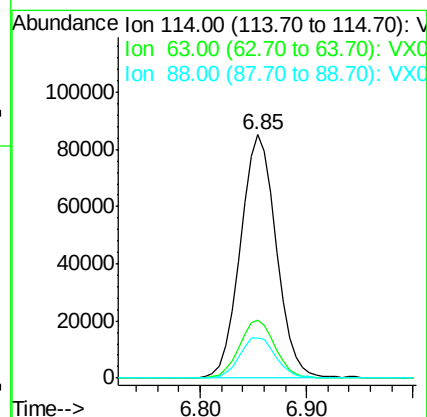
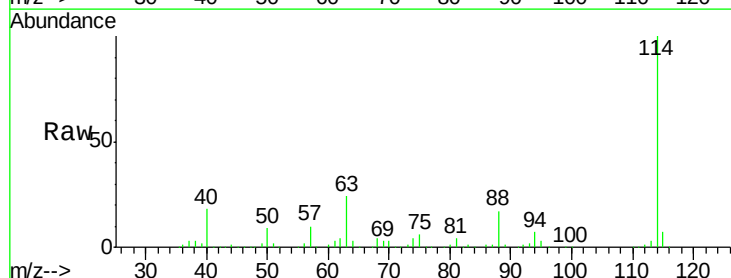
Tgt Ion: 114 Resp: 201696

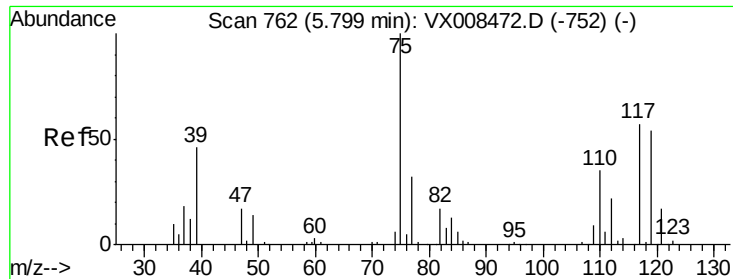
Ion Ratio Lower Upper

114 100

63 23.8 14.2 21.4#

88 17.0 11.9 17.9





#29

1,1-Dichloropropene

Concen: 19.460 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

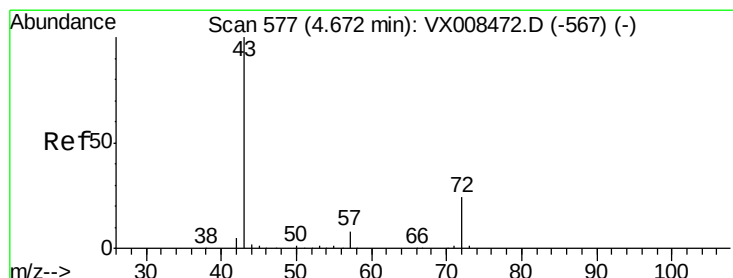
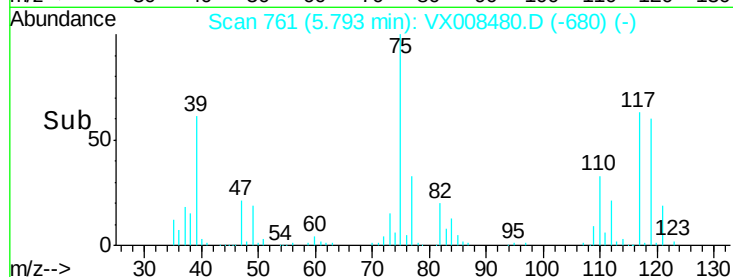
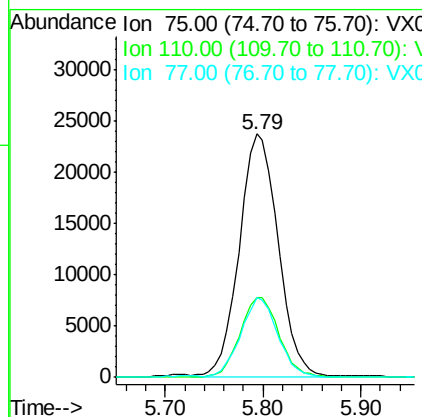
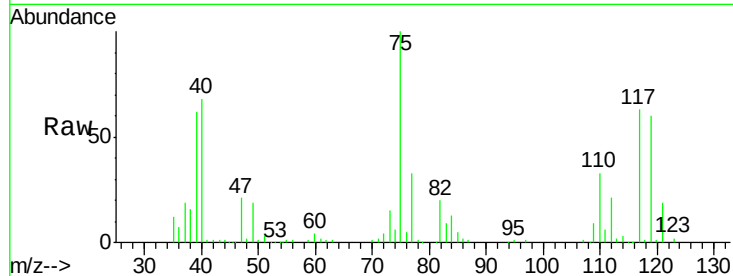
ClientSampleId :

VX0327WBS01

Tot Ion:	75	Resp:	66033
Ion Ratio	Lower	Upper	
75	100		
110	32.7	0.0	80.8
77	31.3	0.0	62.4

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#30

2-Butanone

Concen: 92.166 ug/l

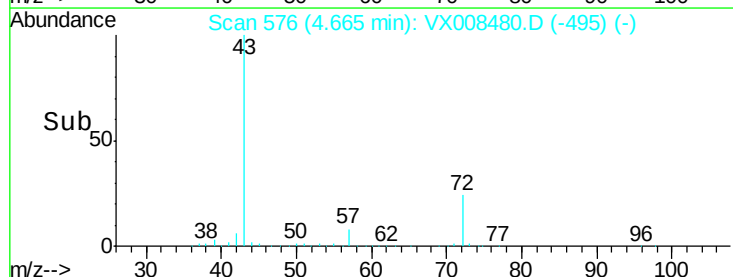
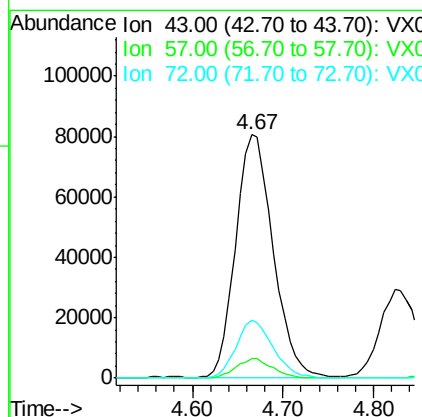
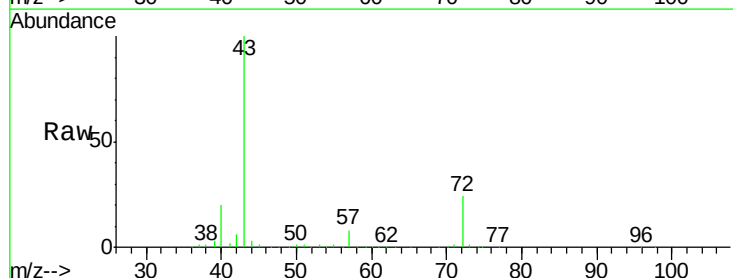
RT: 4.67 min Scan# 576

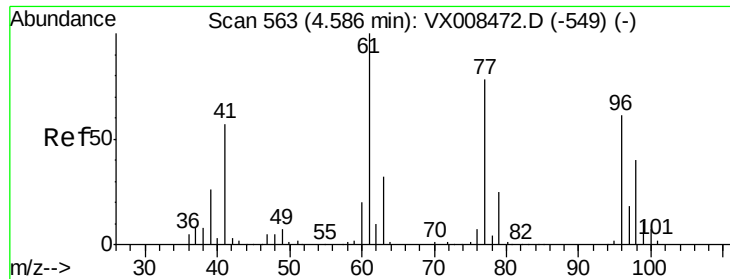
Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion:	43	Resp:	229975
Ion Ratio	Lower	Upper	
43	100		
57	7.9	7.0	10.6
72	23.7	21.5	32.3





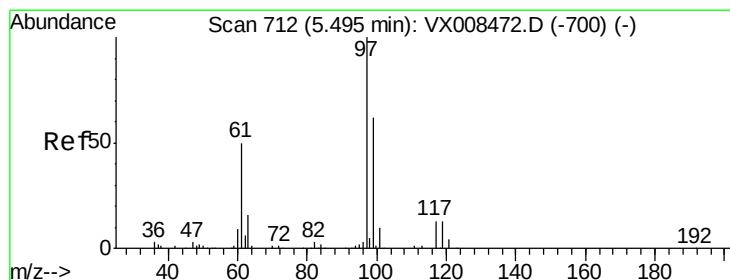
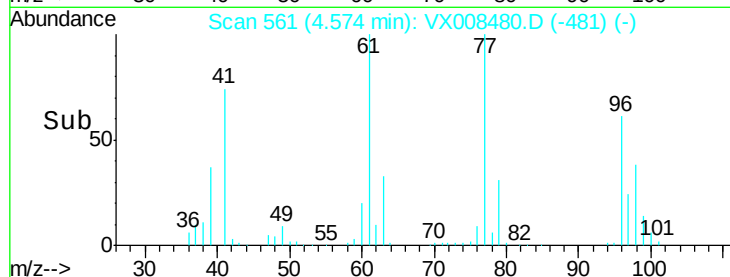
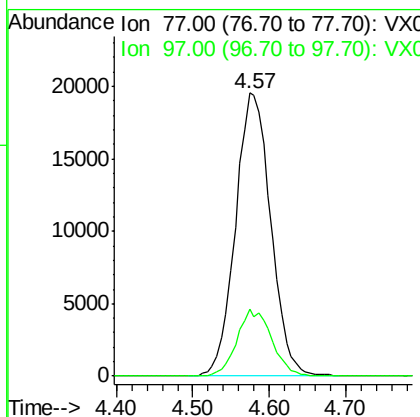
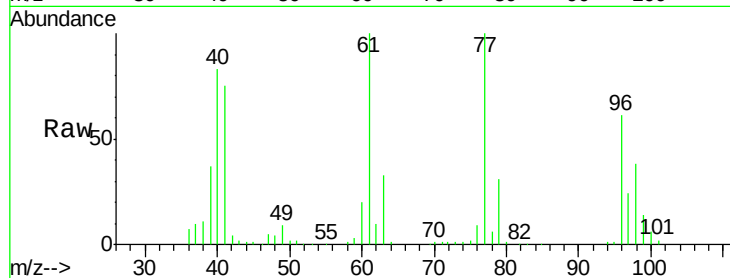
#31
 2,2-Dichloropropane
 Concen: 18.460 ug/l
 RT: 4.57 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBS01

Tot Ion: 77 Resp: 62562
 Ion Ratio Lower Upper
 77 100
 97 23.2 20.6 31.0

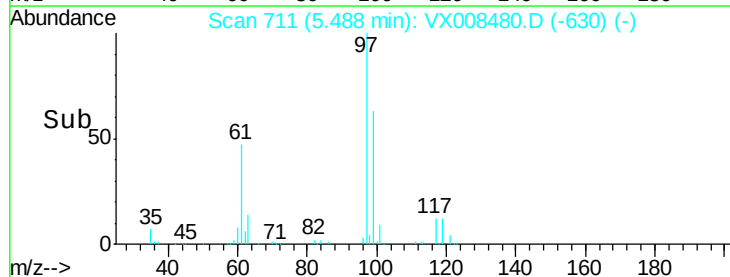
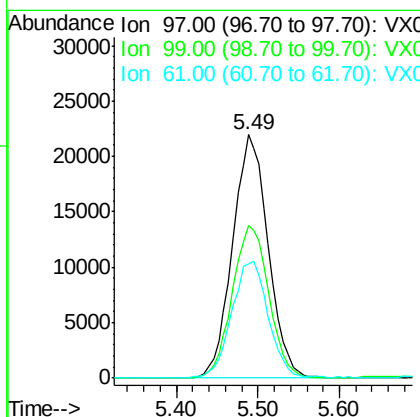
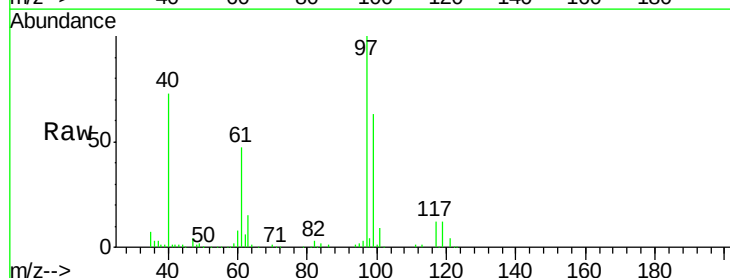
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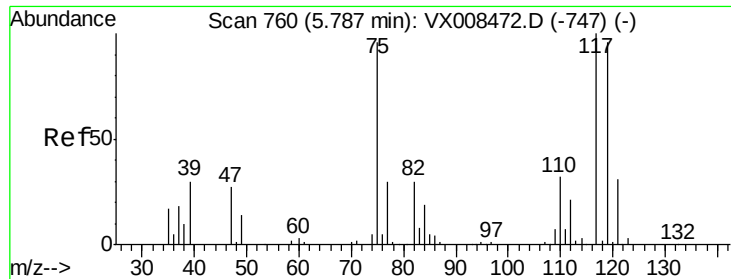
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#32
 1,1,1-Trichloroethane
 Concen: 18.796 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Tgt Ion: 97 Resp: 66231
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.7 77.5
 61 49.4 32.8 49.2#





#33

Carbon Tetrachloride

Concen: 18.727 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

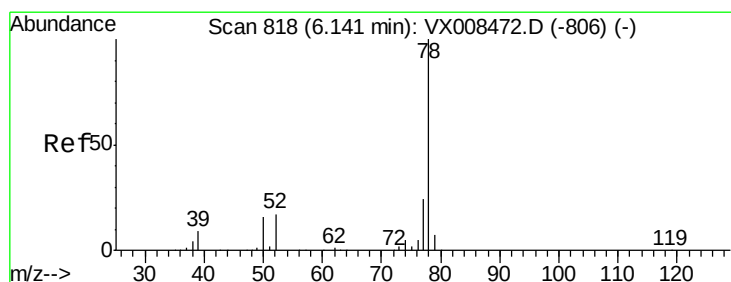
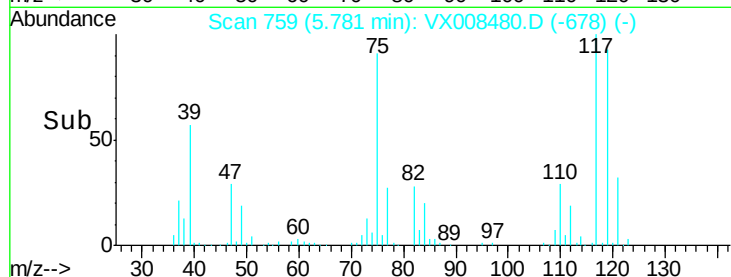
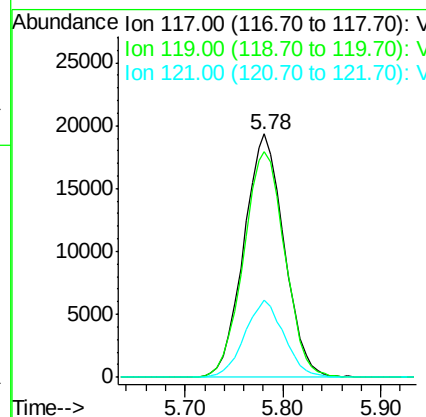
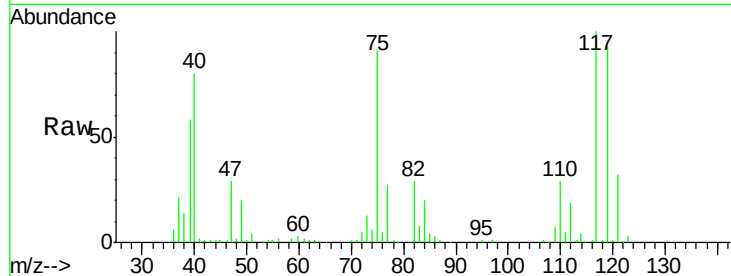
ClientSampleId :

VX0327WBS01

Tot Ion:	117	Resp:	55209
Ion	Ratio	Lower	Upper
117	100		
119	92.6	78.1	117.1
121	31.7	27.0	40.6

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#34

Benzene

Concen: 19.300 ug/l

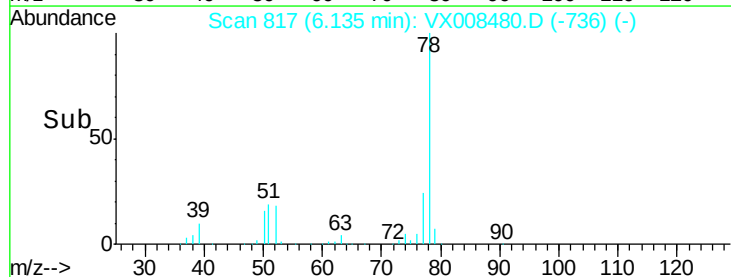
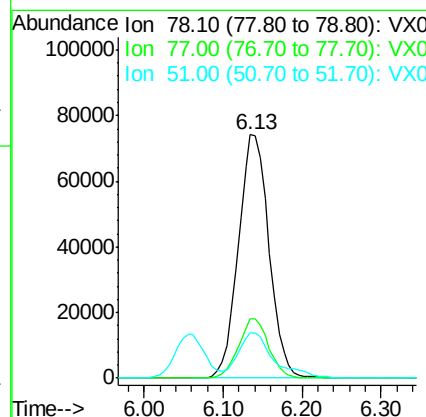
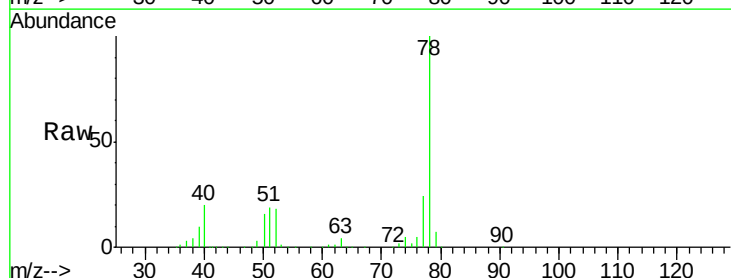
RT: 6.13 min Scan# 817

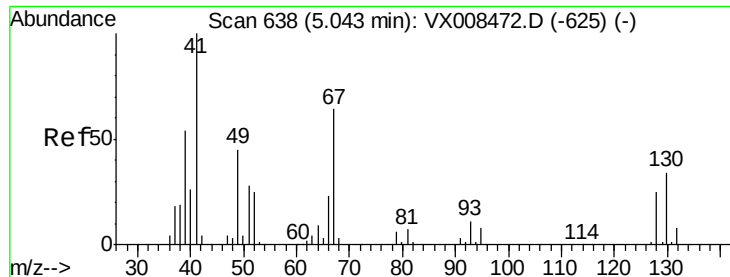
Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion:	78	Resp:	200188
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7
51	18.5	10.8	16.2#





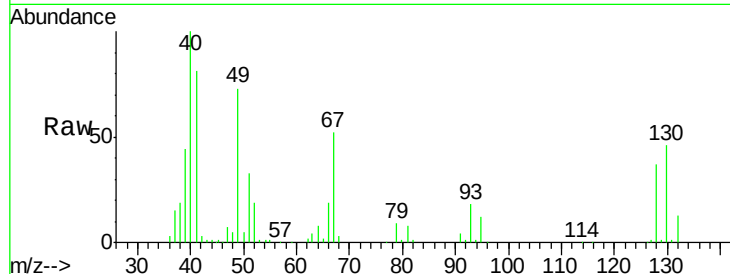
#35
Methacrylonitrile
Concen: 18.903 ug/l
RT: 5.03 min Scan# 636
Delta R.T. -0.01 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

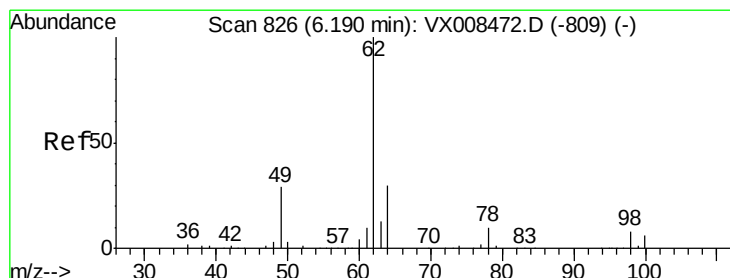
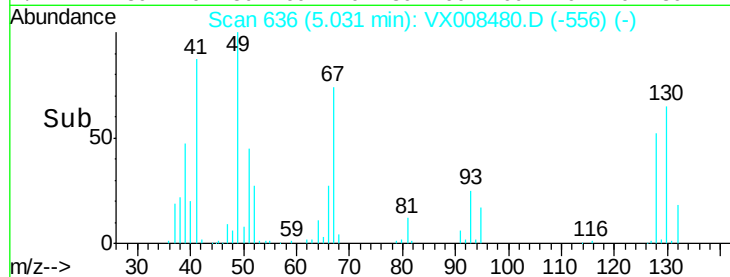
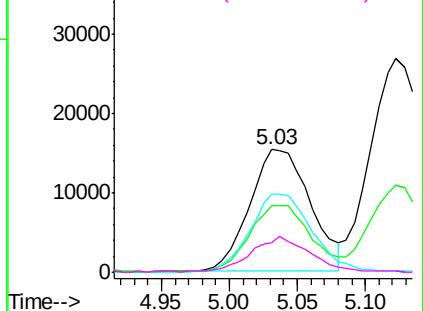
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	27.4	82.0	
67	64.1	37.9	113.6	
52	23.5	13.3	39.9	

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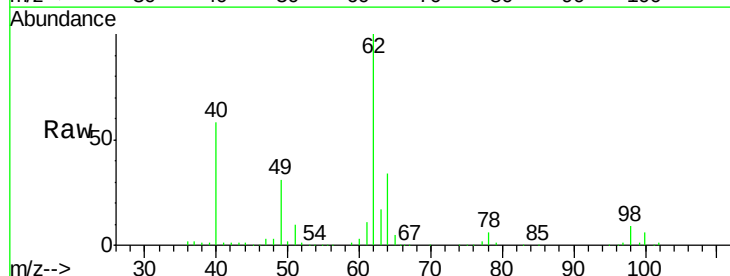


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

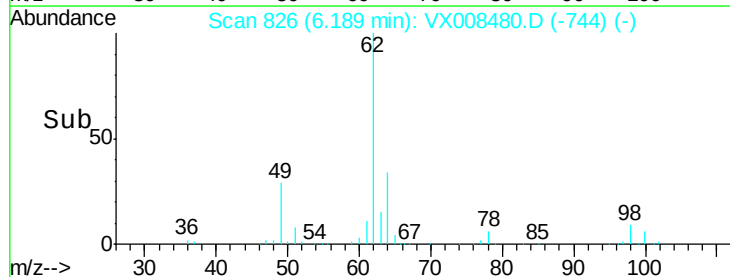
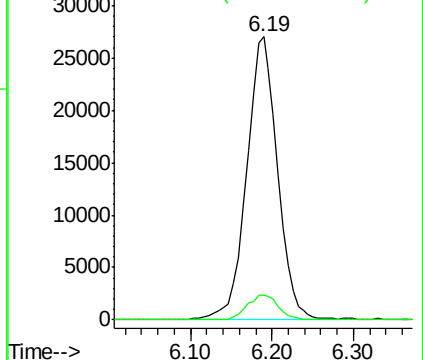


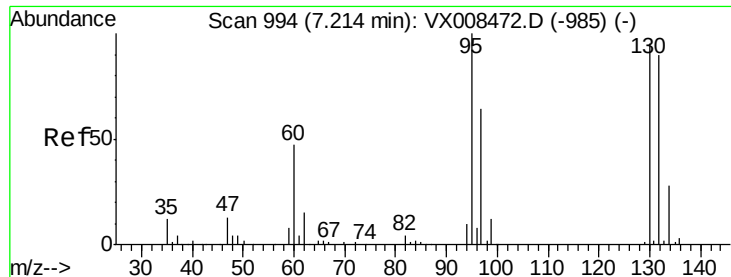
#36
1,2-Dichloroethane
Concen: 19.164 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	7.8	11.8	



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





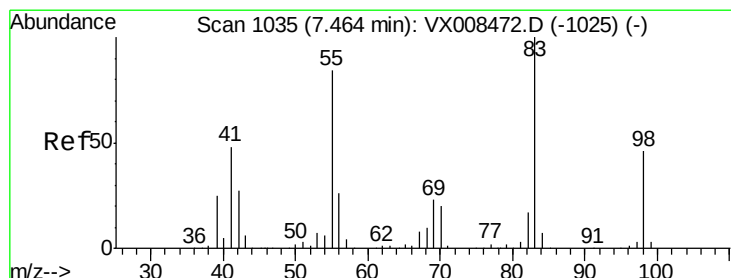
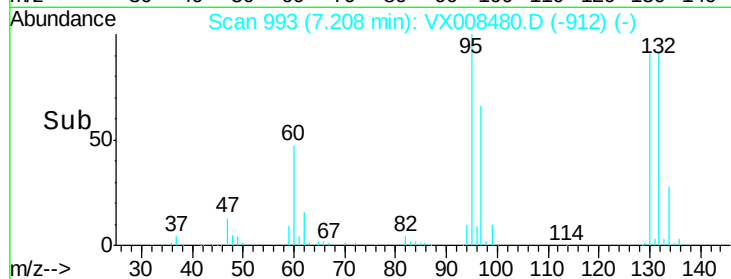
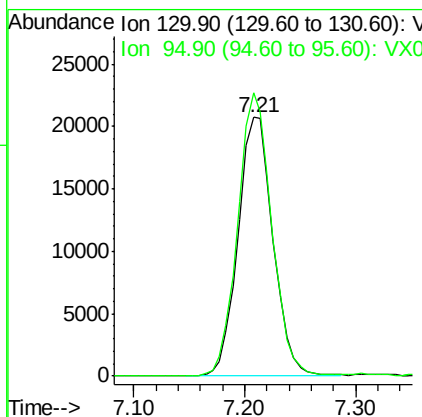
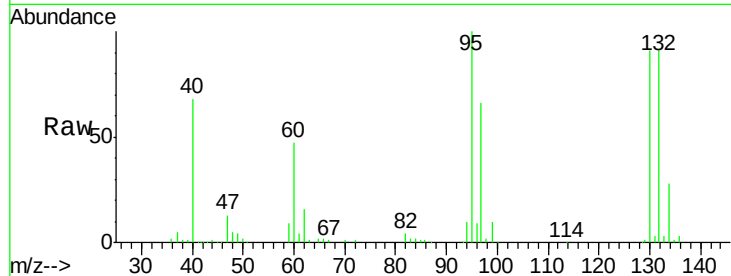
#37
 Trichloroethene
 Concen: 19.098 ug/l m
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBS01

Tot Ion:130 Resp: 45555
 Ion Ratio Lower Upper
 130 100
 95 109.5 71.3 106.9#

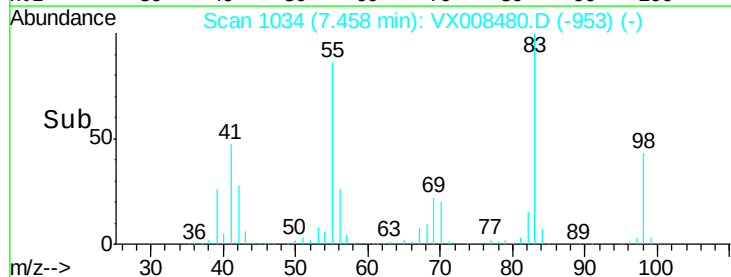
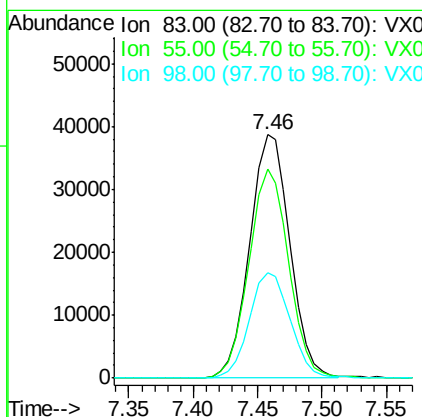
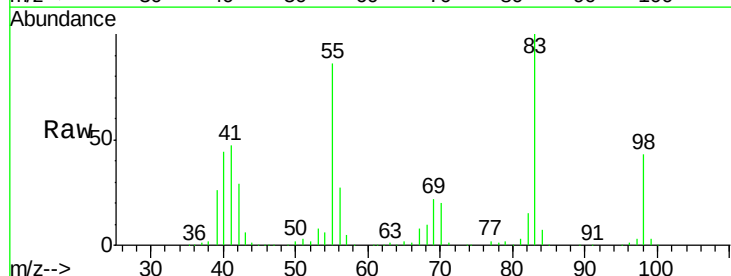
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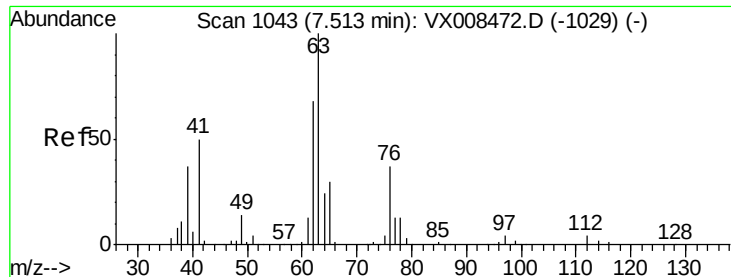
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#38
 Methylcyclohexane
 Concen: 19.557 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Tgt Ion: 83 Resp: 83620
 Ion Ratio Lower Upper
 83 100
 55 85.3 36.0 108.0
 98 44.2 23.8 71.4





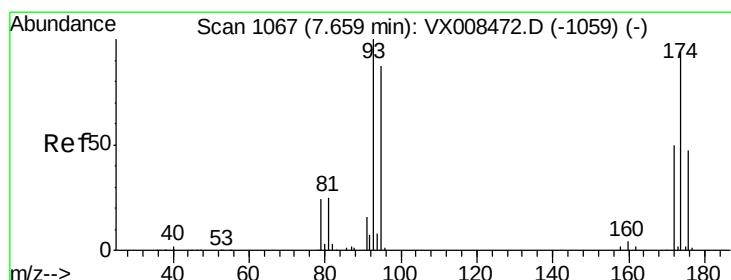
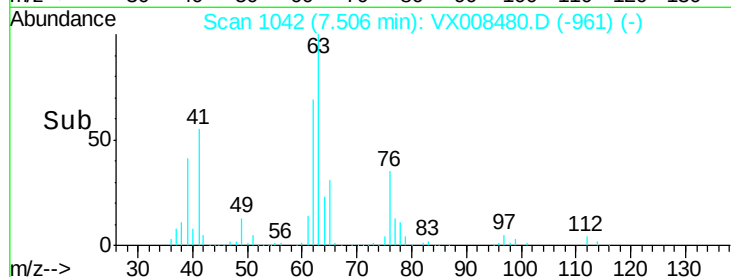
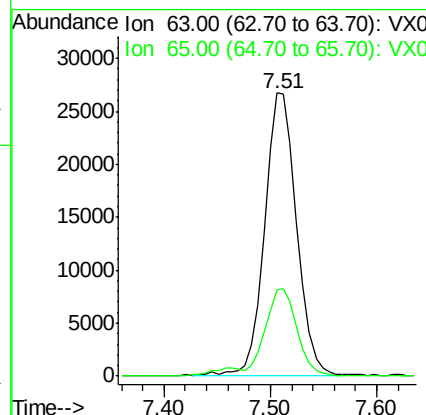
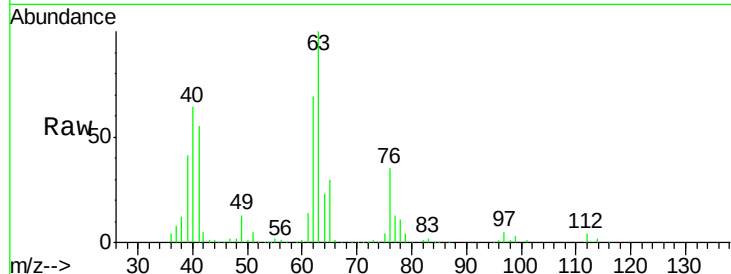
#39
 1,2-Dichloropropane
 Concen: 19.041 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBS01

Tot Ion: 63 Resp: 56019
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0

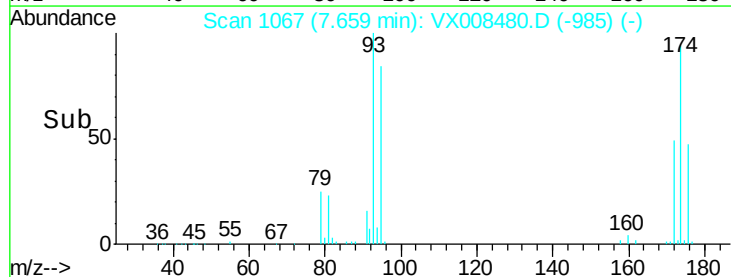
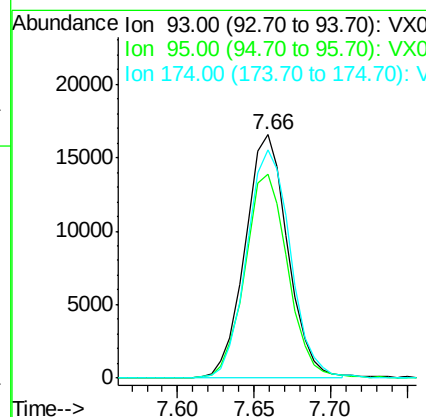
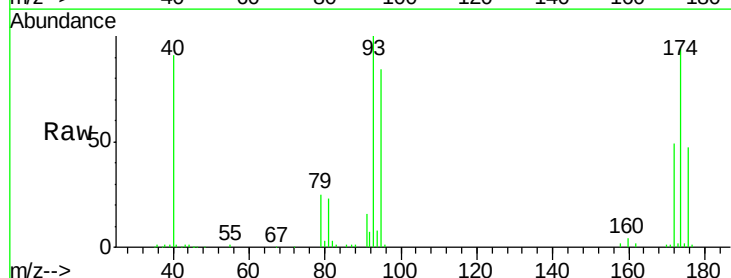
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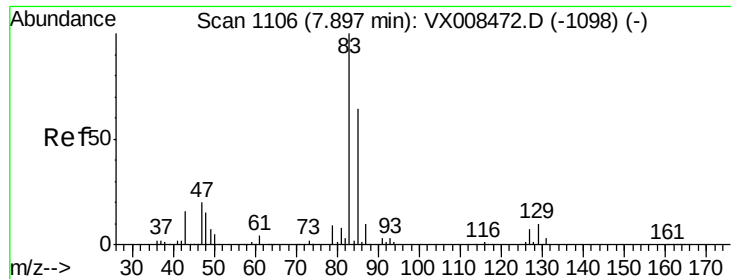
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#40
 Dibromomethane
 Concen: 18.846 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Tgt Ion: 93 Resp: 32118
 Ion Ratio Lower Upper
 93 100
 95 84.3 0.0 158.8
 174 96.4 0.0 224.2





#41

Bromodichloromethane

Concen: 18.609 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

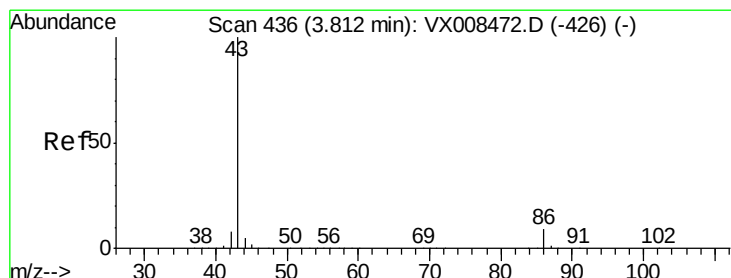
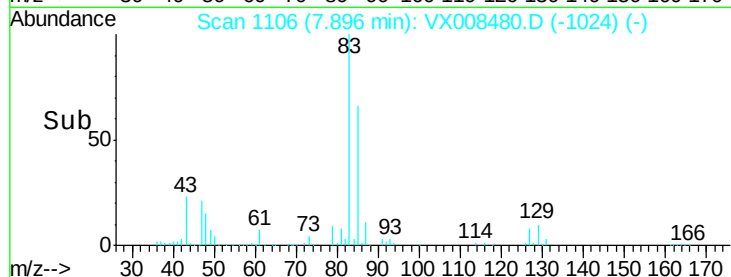
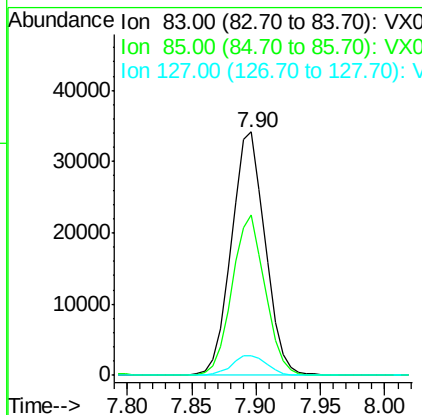
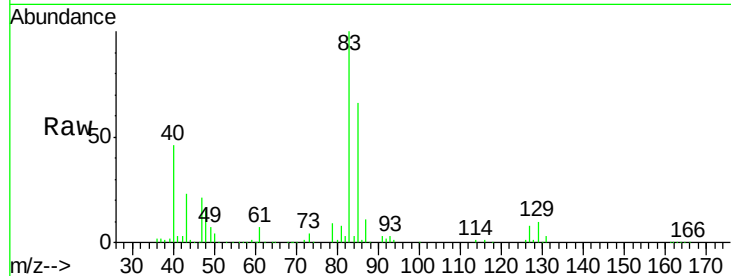
ClientSampleId :

VX0327WBS01

Tot Ion:	83	Resp:	62357
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.1	76.7
127	8.1	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 96.275 ug/l

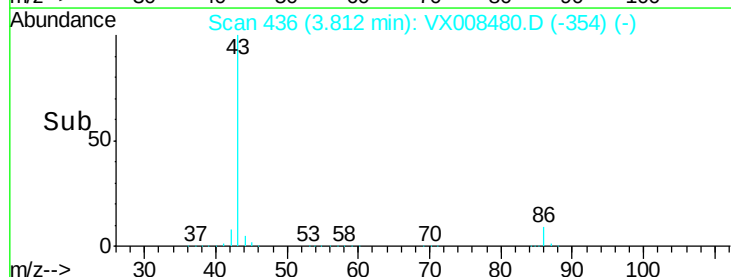
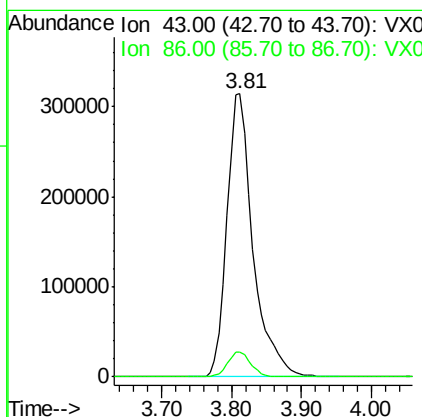
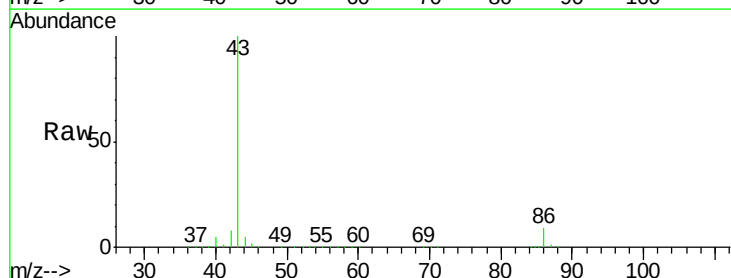
RT: 3.81 min Scan# 436

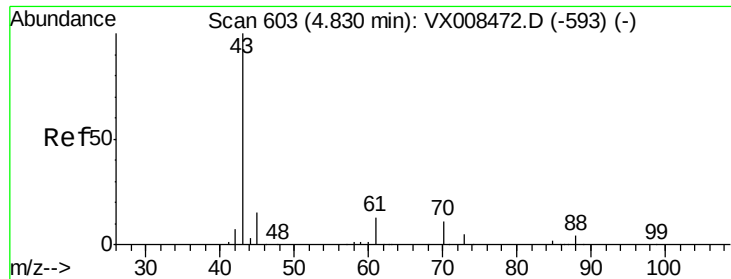
Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion:	43	Resp:	814352
Ion	Ratio	Lower	Upper
43	100		
86	7.9	8.2	12.2#





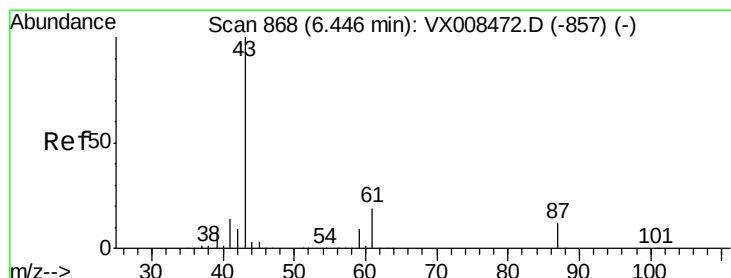
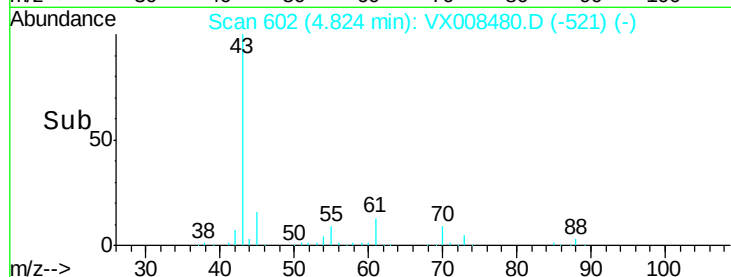
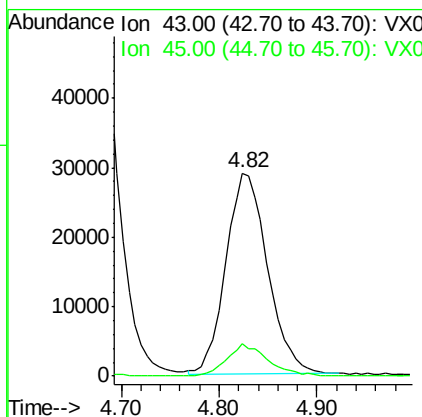
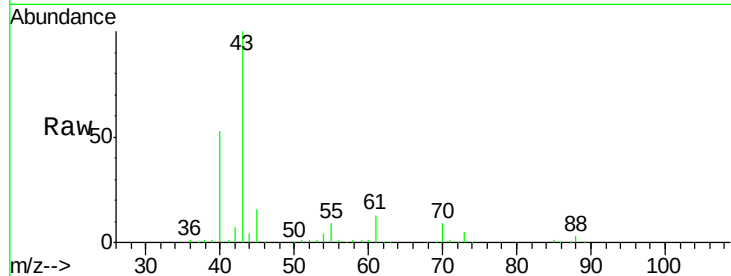
#43
Ethyl Acetate
Concen: 18.908 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Tot Ion: 43 Resp: 84913
Ion Ratio Lower Upper
43 100
45 15.1 6.9 10.3#

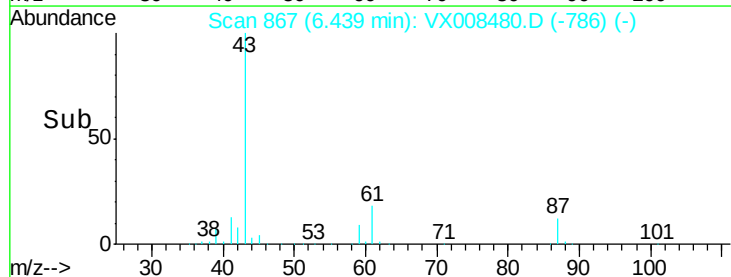
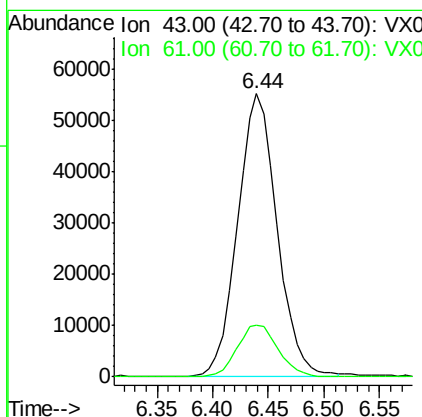
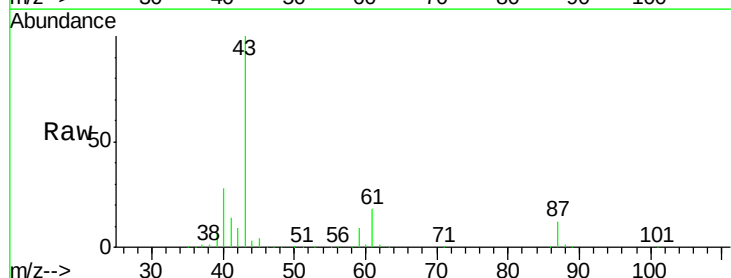
Manual Integrations
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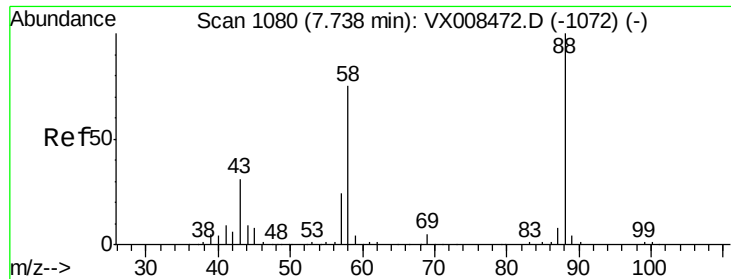
MMDadoda
4/1/2019 3:46:54 PM



#44
Isopropyl Acetate
Concen: 18.641 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion: 43 Resp: 135367
Ion Ratio Lower Upper
43 100
61 19.3 16.1 24.1





#45

1,4-Dioxane

Concen: 391.016 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

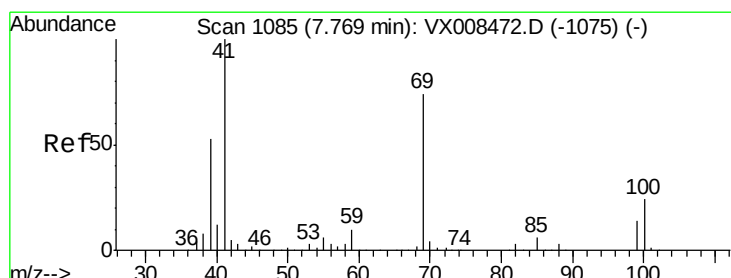
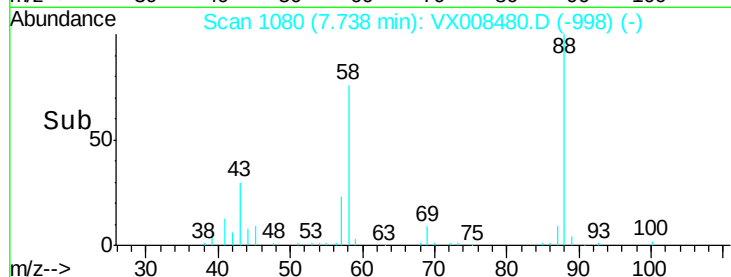
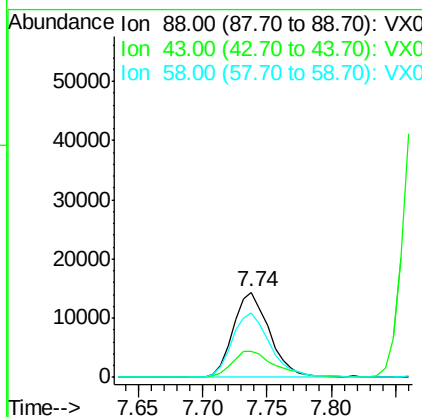
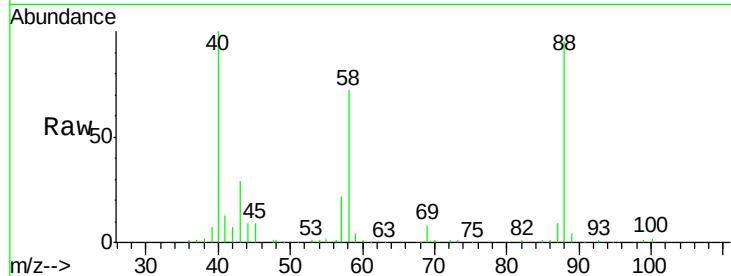
ClientSampleId :

VX0327WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	23.6	35.4
58	79.0	51.6	77.4

Manual Integrations
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#46

Methyl methacrylate

Concen: 18.504 ug/l

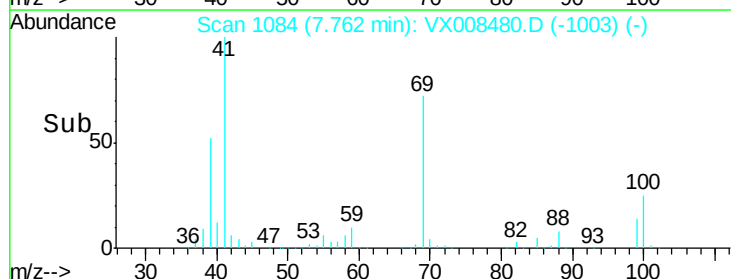
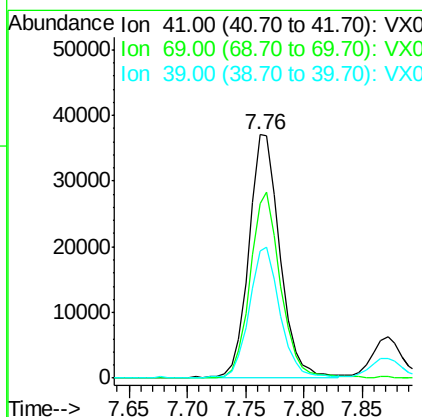
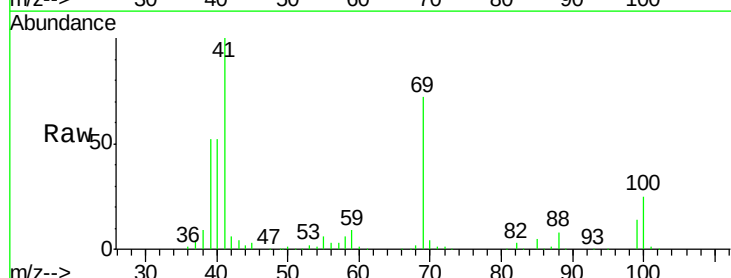
RT: 7.76 min Scan# 1084

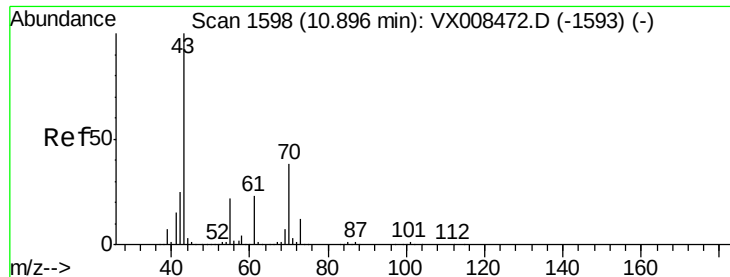
Delta R.T. -0.01 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.0	44.2	132.6
39	52.1	29.9	89.8





#47

n-amyl Acetate

Concen: 18.256 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion: 43 Resp: 120425

Ion Ratio Lower Upper

43 100

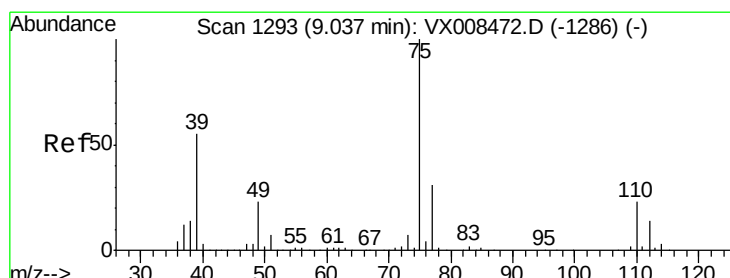
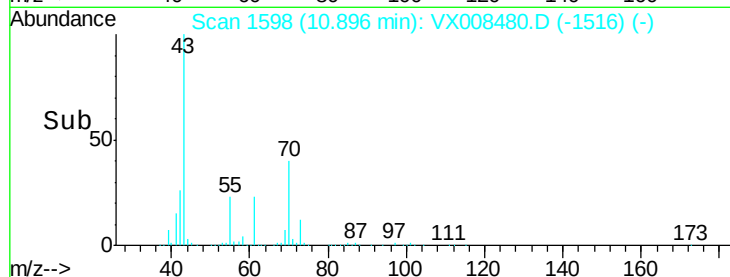
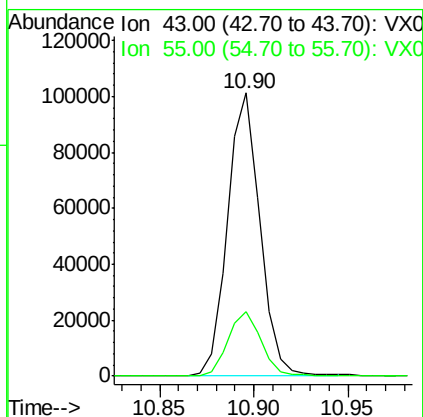
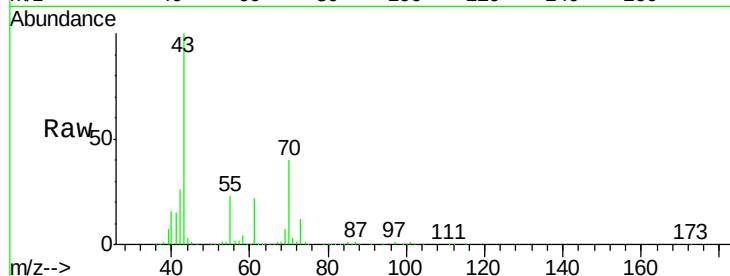
55 23.5 20.8 31.2

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.122 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX008480.D

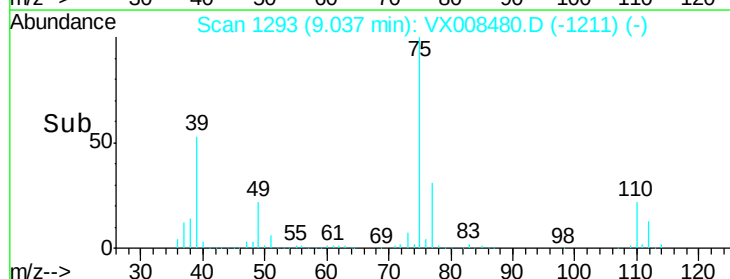
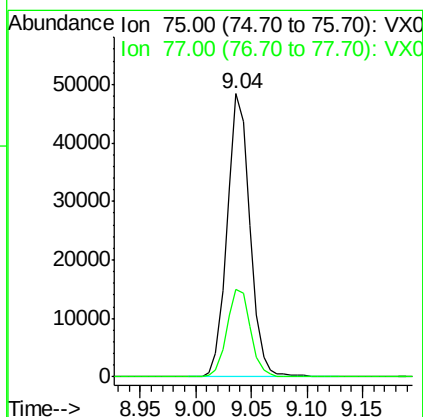
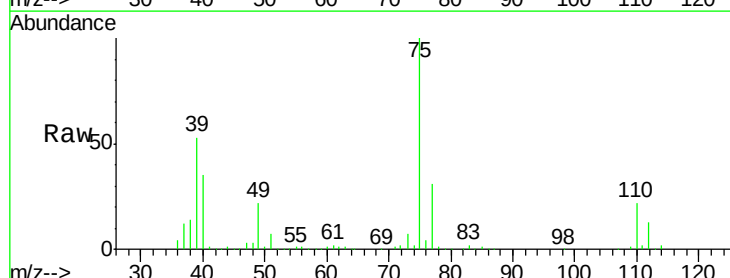
Acq: 27 Mar 2019 14:20

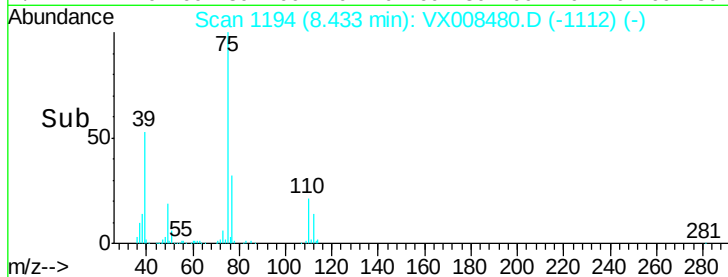
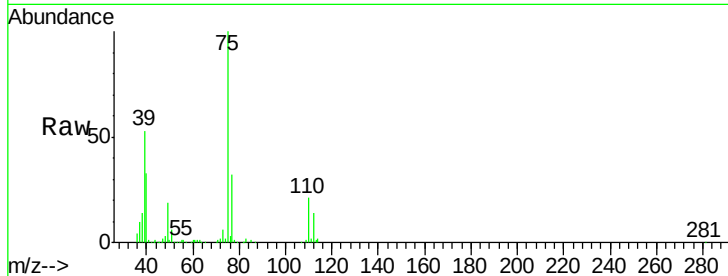
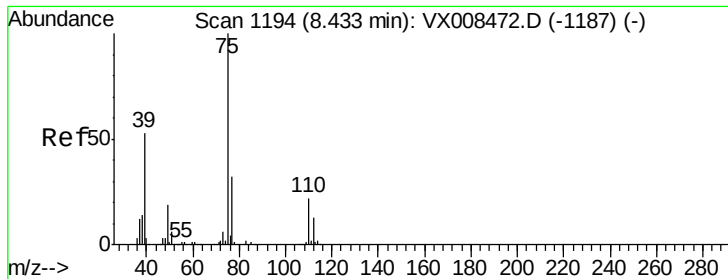
Tgt Ion: 75 Resp: 68592

Ion Ratio Lower Upper

75 100

77 30.9 24.5 36.7





#49

cis-1,3-Dichloropropene

Concen: 18.513 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tot Ion:	75	Resp:	78375
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.0	37.4
39	53.0	38.5	57.7

Instrument :

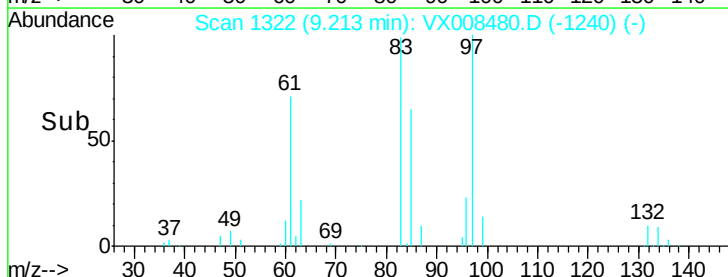
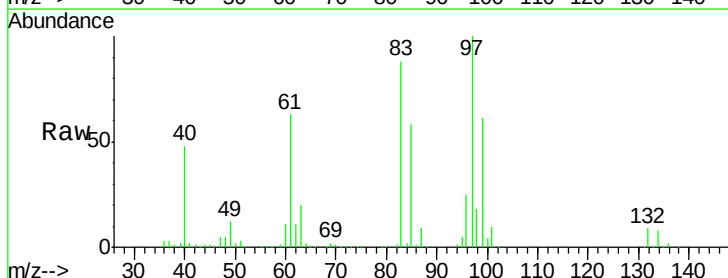
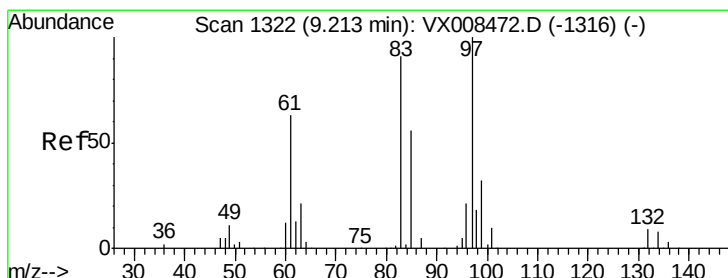
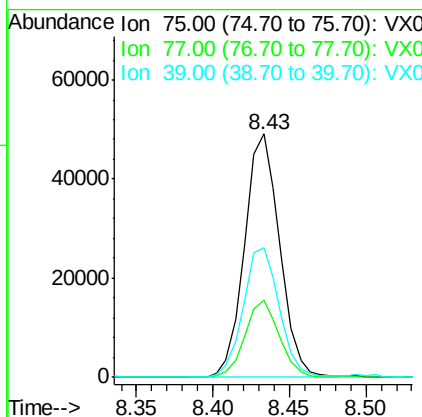
MSVOA_X

ClientSampleId :

VX0327WBS01

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 19.114 ug/l

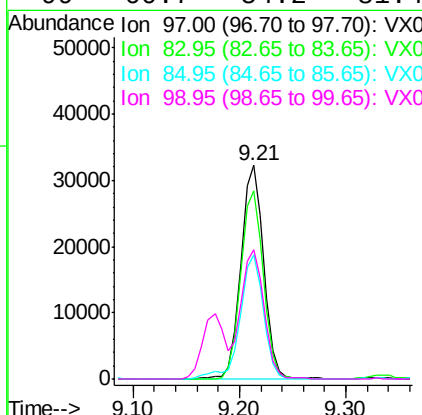
RT: 9.21 min Scan# 1322

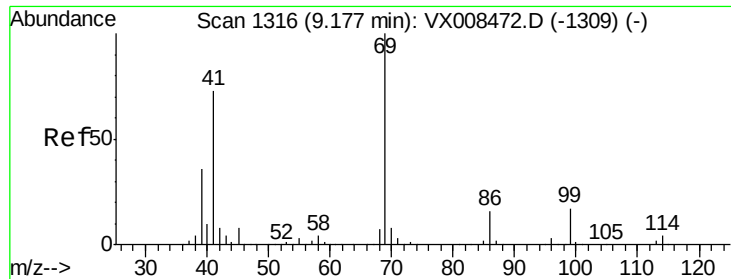
Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion:	97	Resp:	48367
Ion Ratio	Lower	Upper	
97	100		
83	87.9	72.0	108.0
85	57.9	45.0	67.6
99	60.7	54.2	81.4





#51

Ethyl methacrylate

Concen: 18.383 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

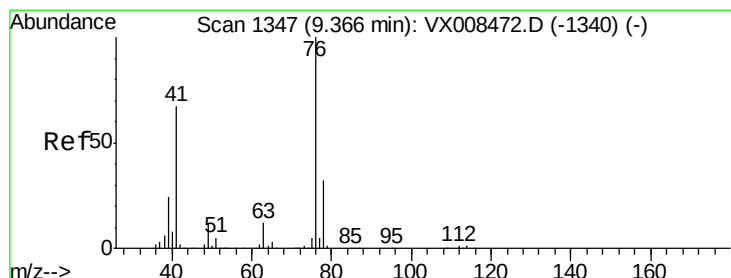
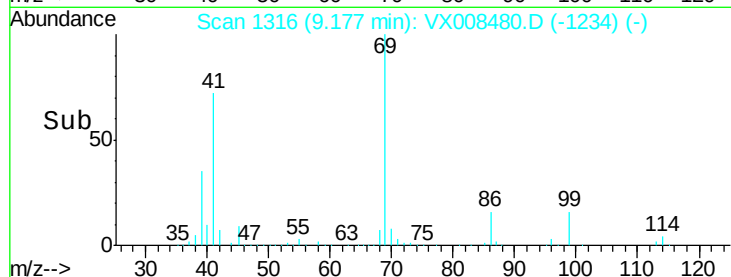
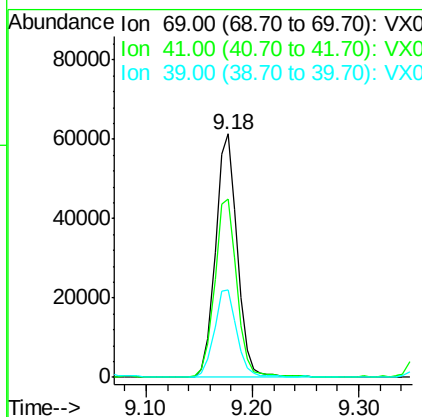
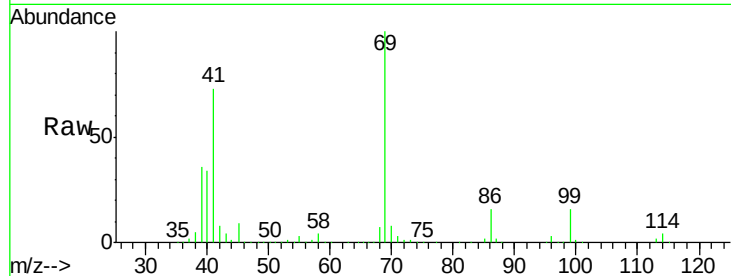
ClientSampleId :

VX0327WBS01

Tot Ion:	69	Resp:	86565
Ion Ratio	Lower	Upper	
69	100		
41	73.3	32.1	96.5
39	35.8	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.155 ug/l

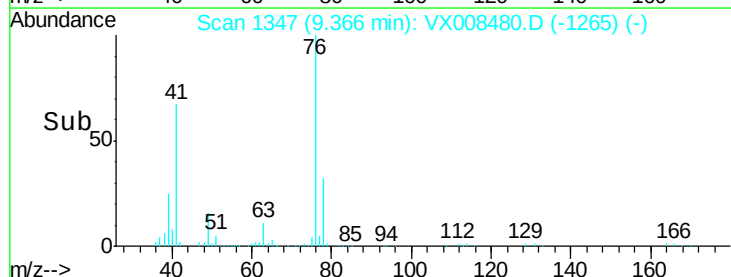
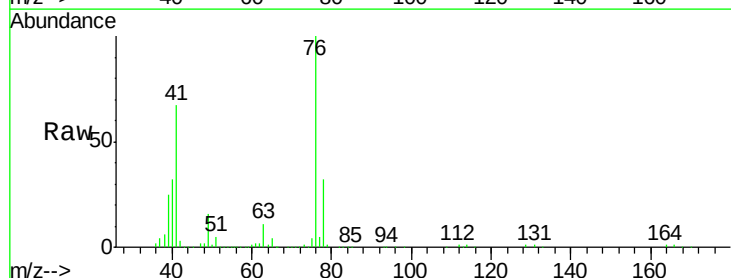
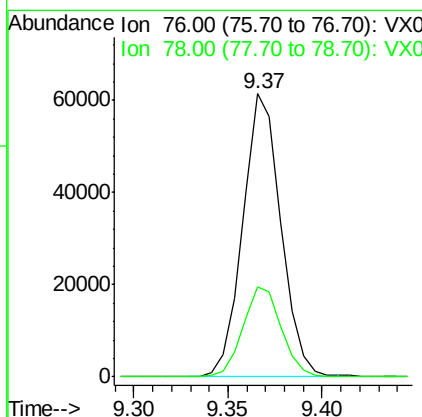
RT: 9.37 min Scan# 1347

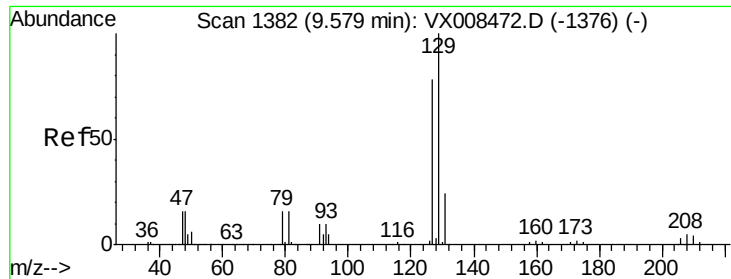
Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion:	76	Resp:	86236
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	65.2





#53

Dibromochloromethane

Concen: 17.973 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion:129 Resp: 44756

Ion Ratio Lower Upper

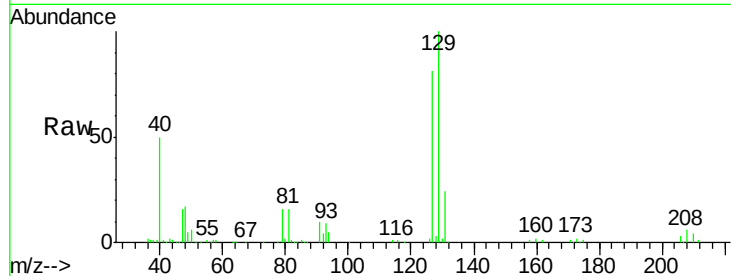
129 100

127 77.0 38.4 115.2

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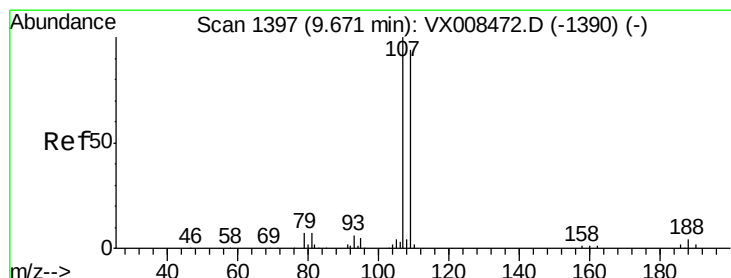
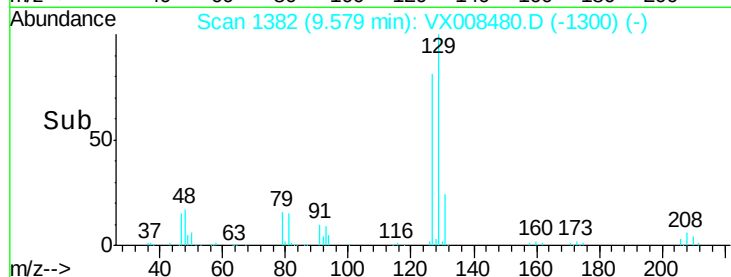
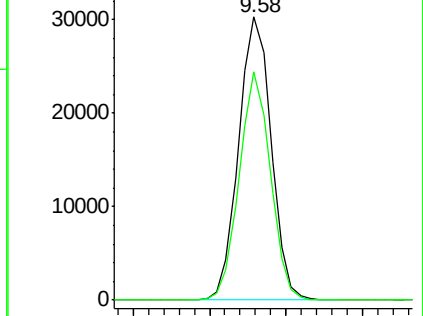
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.027 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008480.D

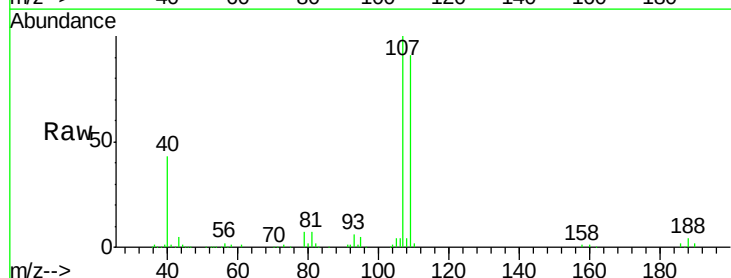
Acq: 27 Mar 2019 14:20

Tgt Ion:107 Resp: 49633

Ion Ratio Lower Upper

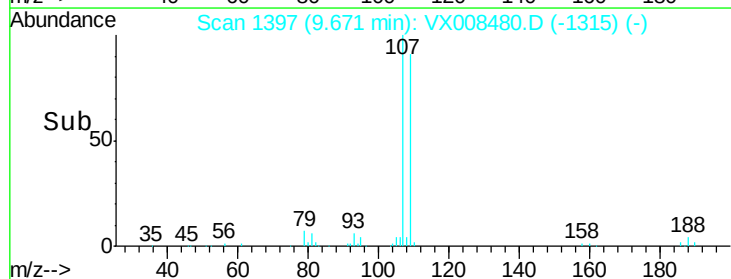
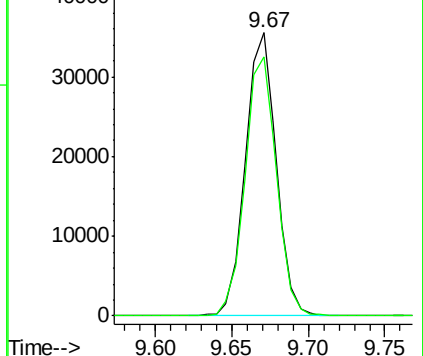
107 100

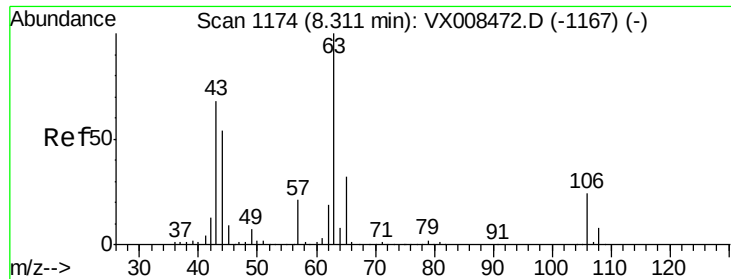
109 92.9 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





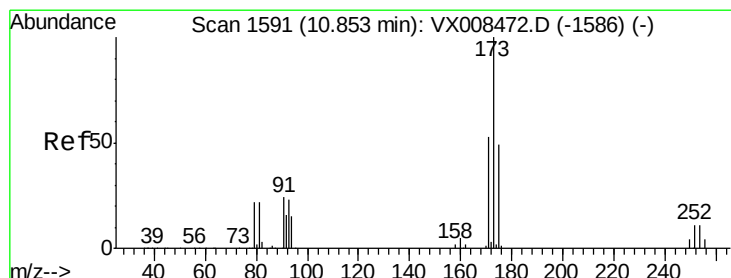
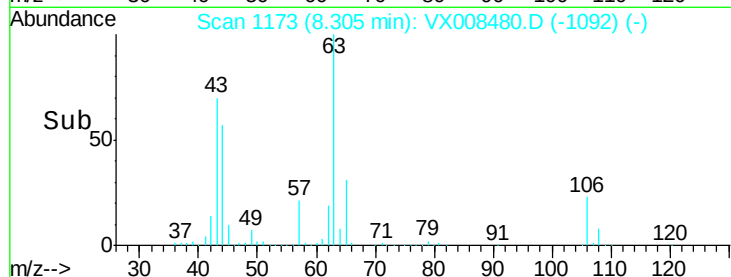
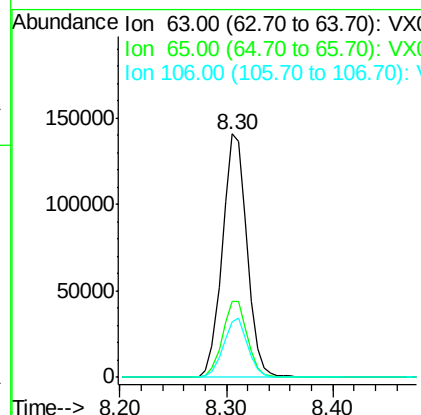
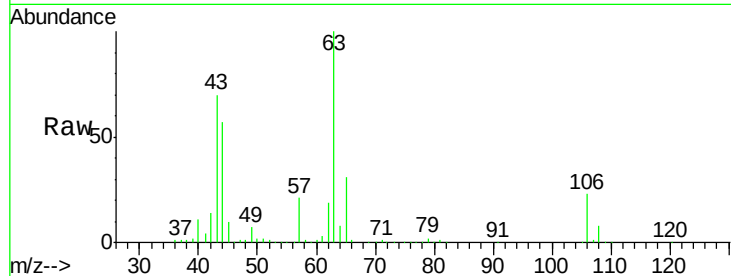
#55
2-Chloroethyl vinyl ether
Concen: 95.074 ug/l
RT: 8.30 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.7	38.5
106	23.9	23.7	35.5

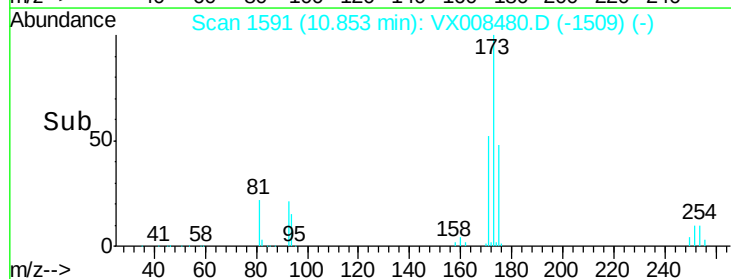
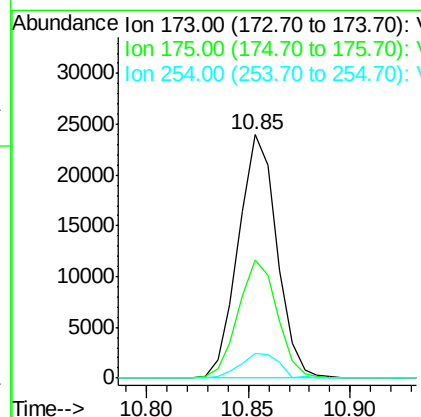
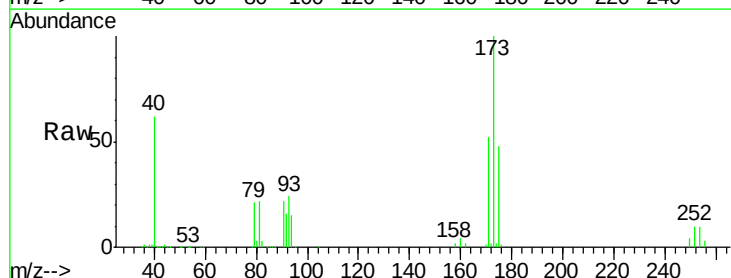
Manual Integrations
APPROVED

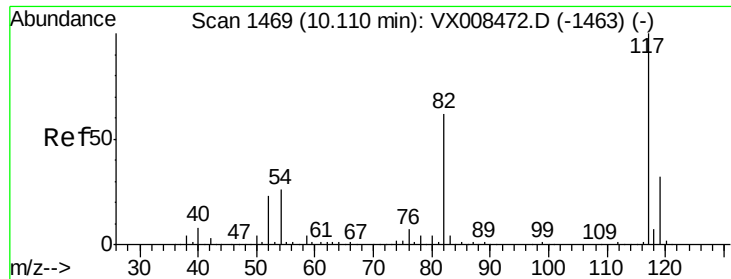
MMDadoda
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#56
Bromoform
Concen: 17.363 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.5	57.7
254	10.0	7.4	11.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion:117 Resp: 179726

Ion Ratio Lower Upper

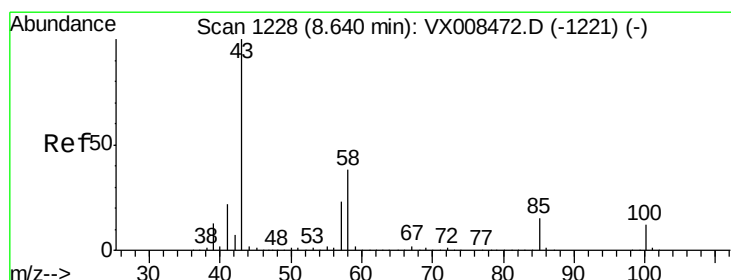
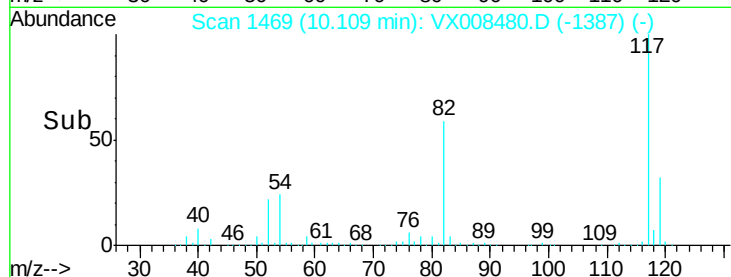
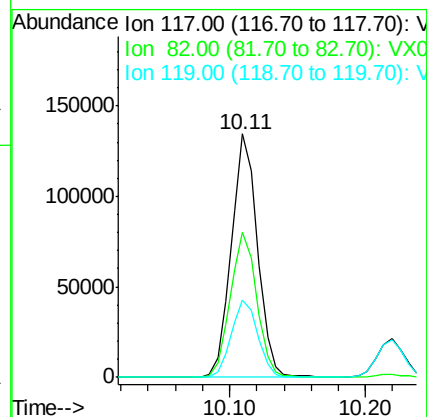
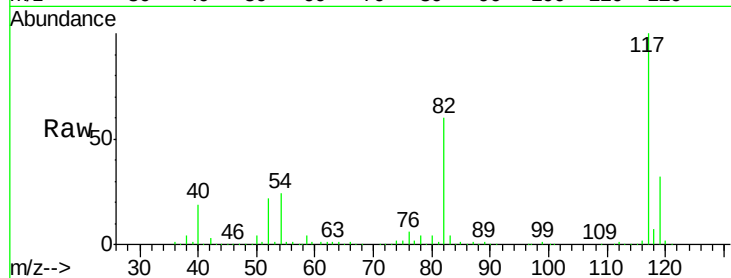
117 100

82 60.1 40.4 60.6

119 32.2 25.8 38.6

Manual Integrations
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4/1/2019 3:46:54 PM



#58

4-Methyl-2-Pentanone

Concen: 94.158 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

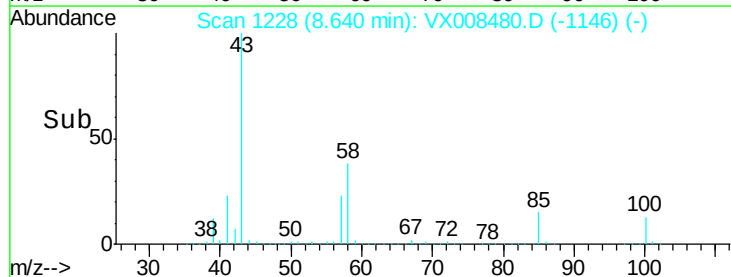
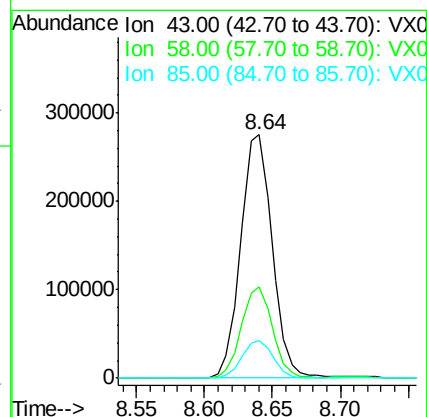
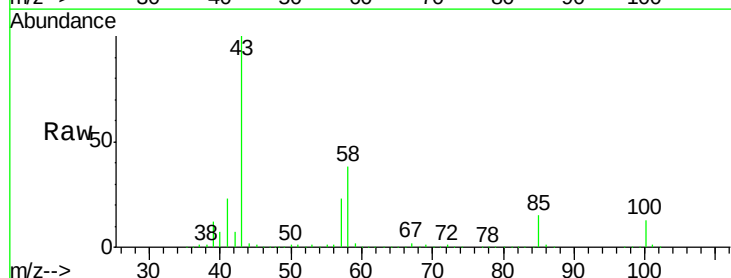
Tgt Ion: 43 Resp: 446448

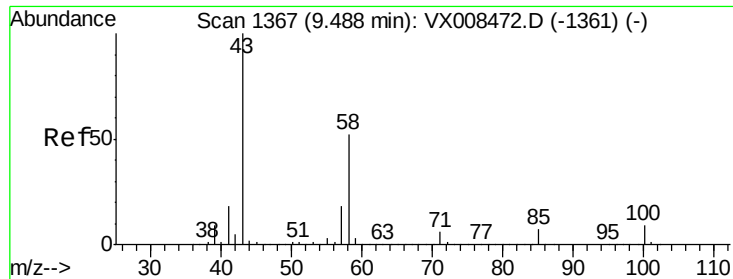
Ion Ratio Lower Upper

43 100

58 37.1 31.4 47.0

85 15.3 15.0 22.6





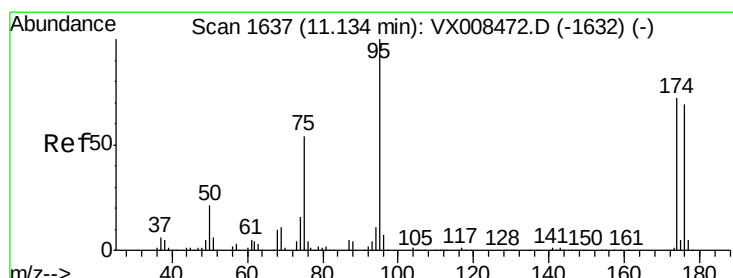
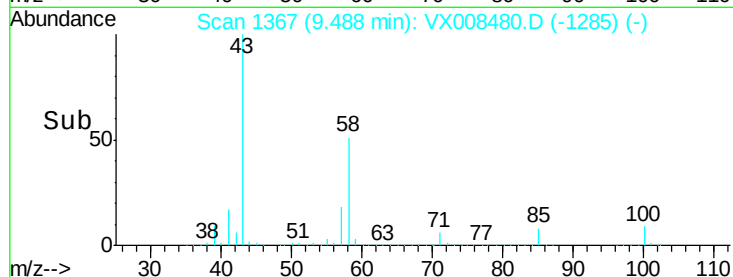
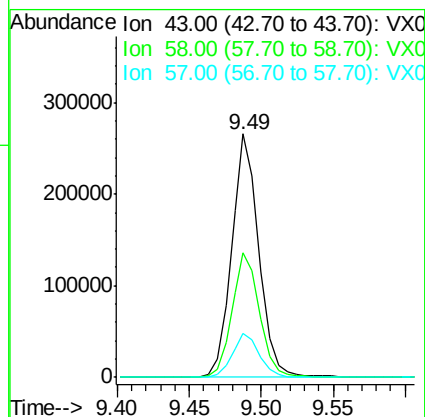
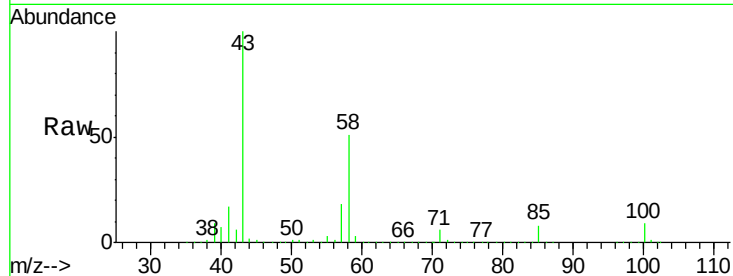
#59
2-Hexanone
Concen: 93.324 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.3	43.9	65.9
57	17.9	14.9	22.3

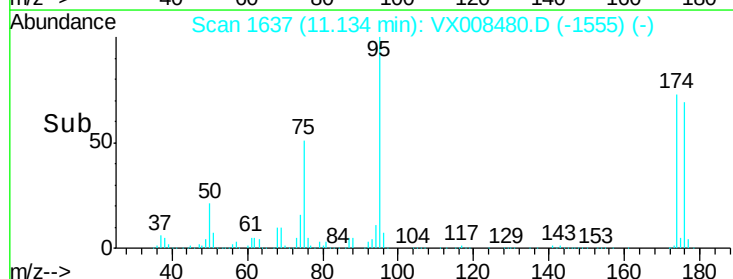
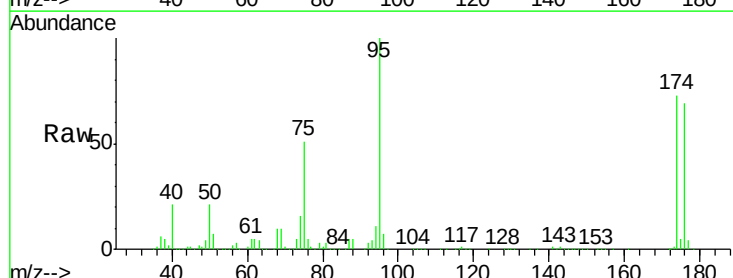
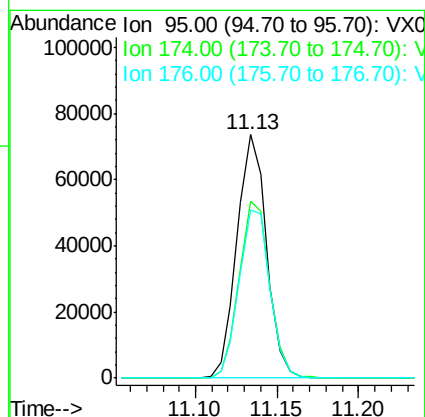
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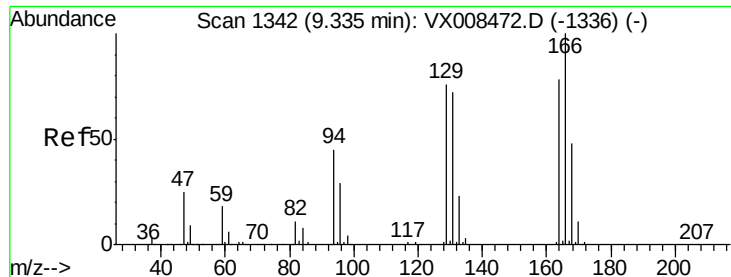
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.737 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	74.9	112.3
176	72.5	70.7	106.1





#61

Tetrachloroethene

Concen: 20.060 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion:164 Resp: 39435

Ion Ratio Lower Upper

164 100

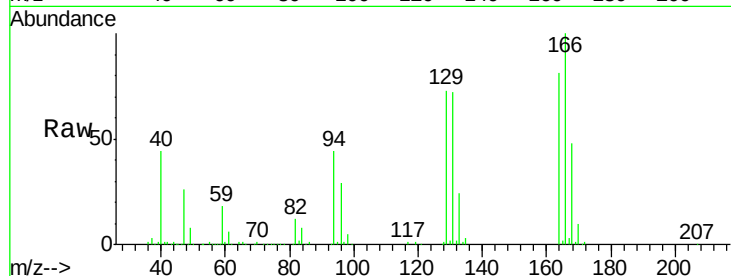
166 123.7 103.9 155.9

129 90.5 74.7 112.1

131 89.0 71.7 107.5

Manual Integrations
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4/1/2019 3:46:54 PM

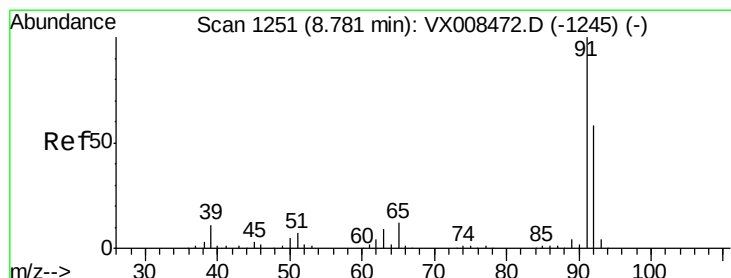
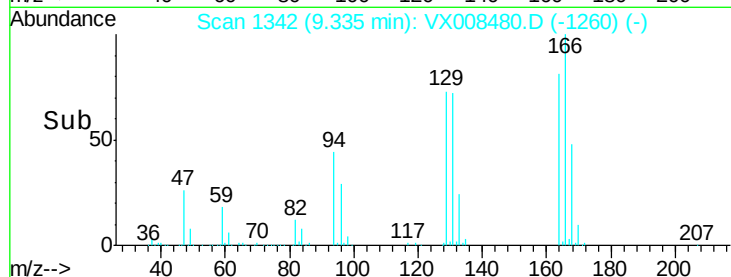
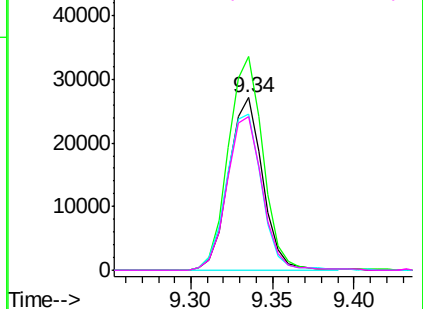


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.161 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008480.D

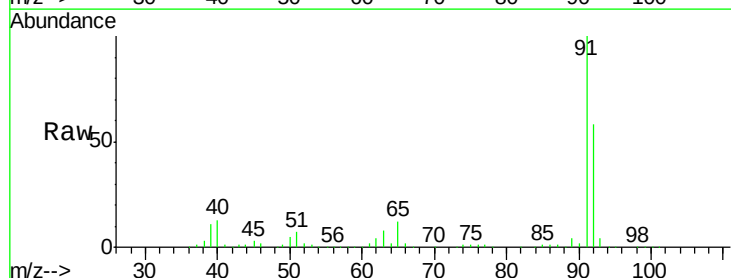
Acq: 27 Mar 2019 14:20

Tgt Ion: 91 Resp: 208503

Ion Ratio Lower Upper

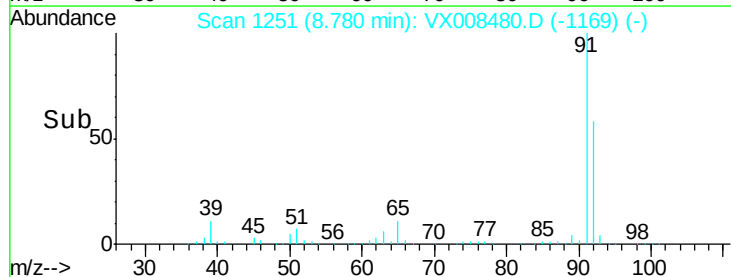
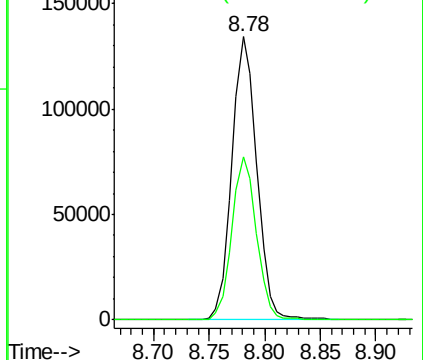
91 100

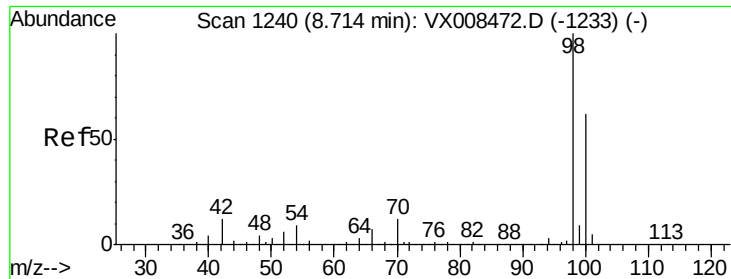
92 57.2 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





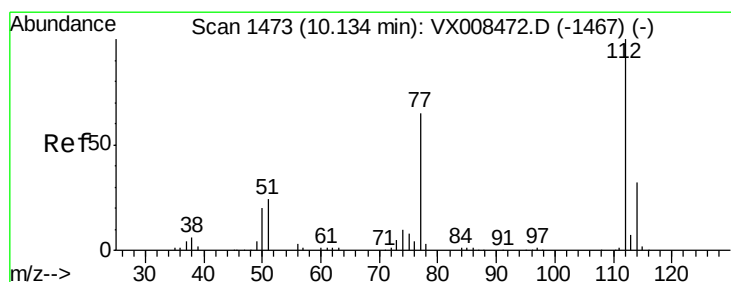
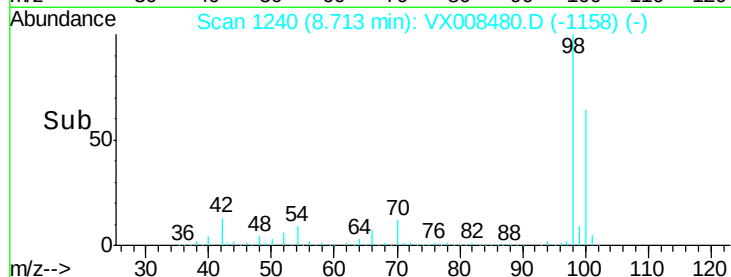
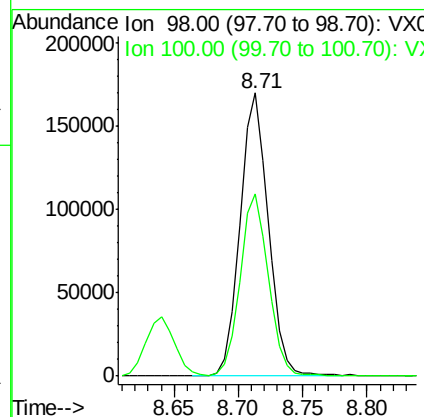
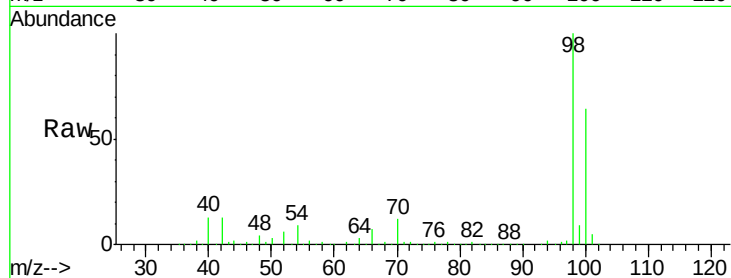
#63
Toluene-d8
Concen: 30.284 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Tot Ion: 98 Resp: 258356
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3

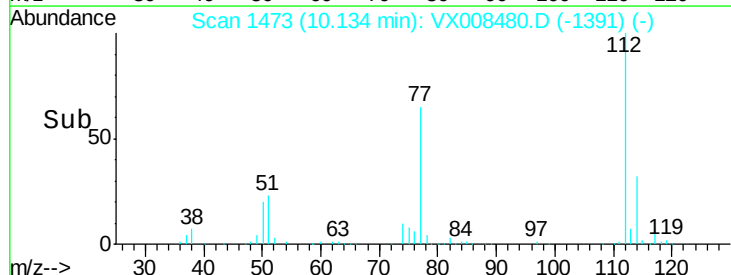
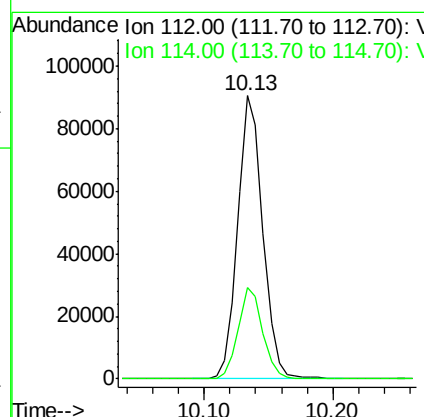
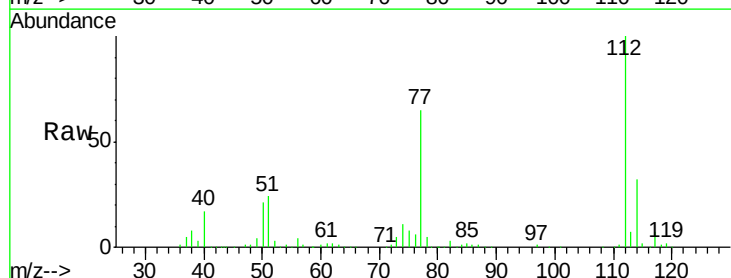
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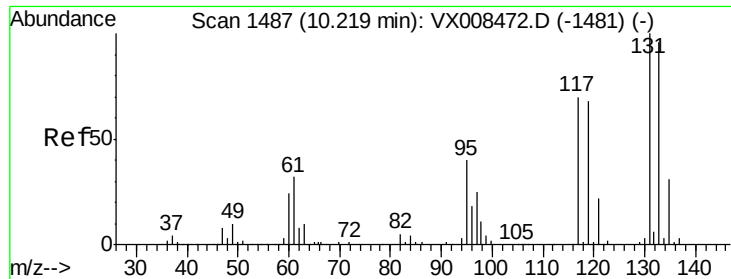
MMDadoda
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#64
Chlorobenzene
Concen: 19.300 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion: 112 Resp: 123060
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.479 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

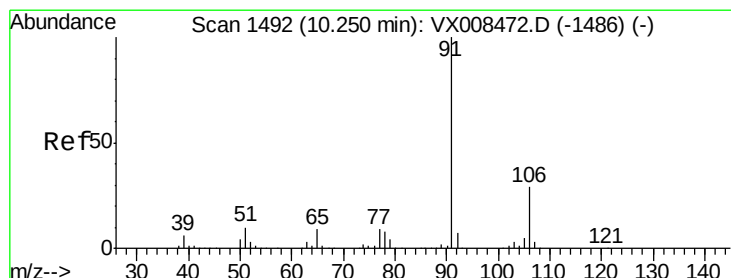
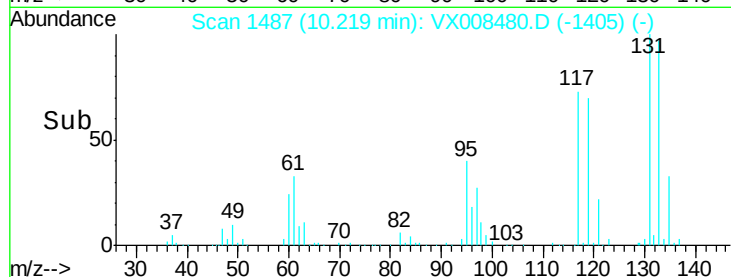
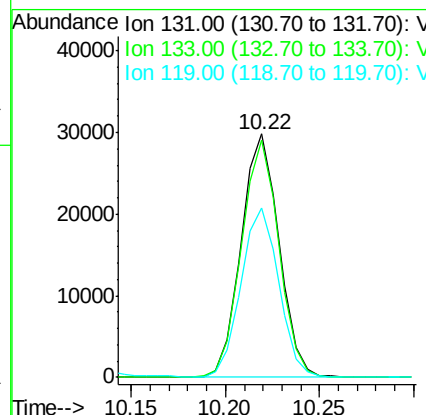
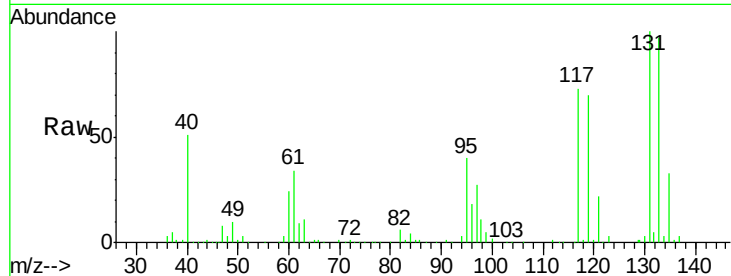
ClientSampleId :

VX0327WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.1	0.0	191.6
119	69.6	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.972 ug/l

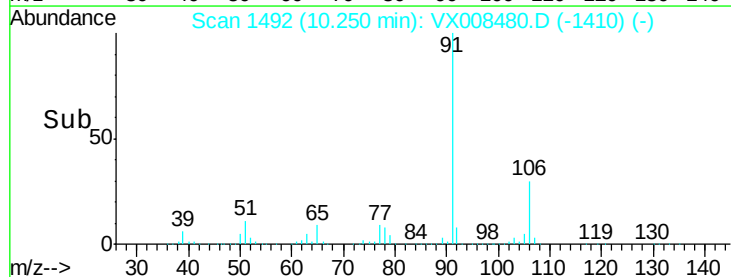
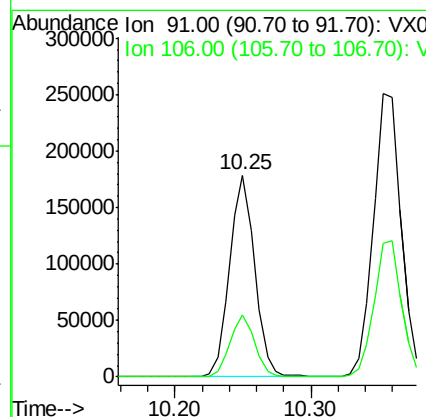
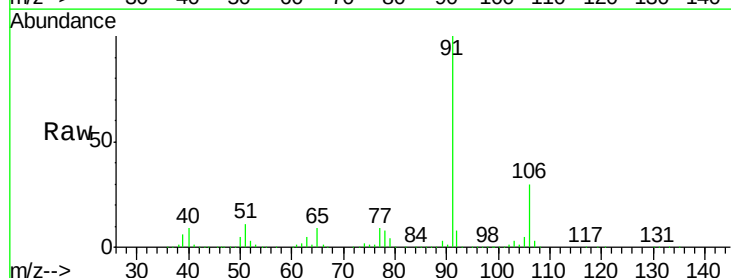
RT: 10.25 min Scan# 1492

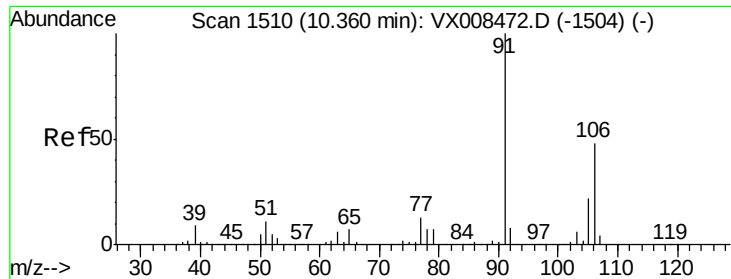
Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	26.0	39.0





#67

m/p-Xylenes

Concen: 38.448 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampled :

VX0327WBS01

Tot Ion:106 Resp: 169380

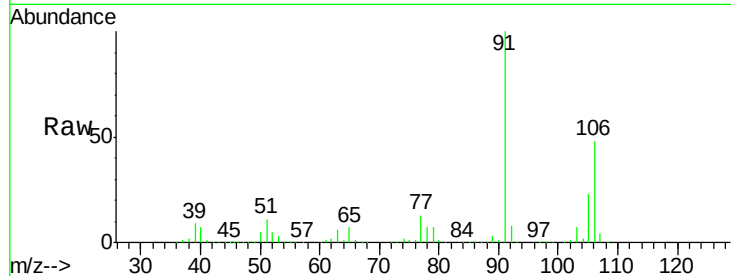
Ion Ratio Lower Upper

106 100

91 210.2 157.0 235.4

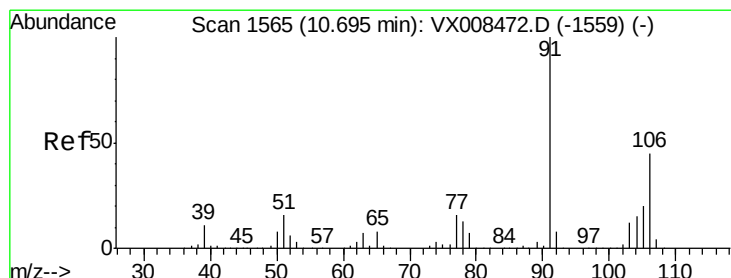
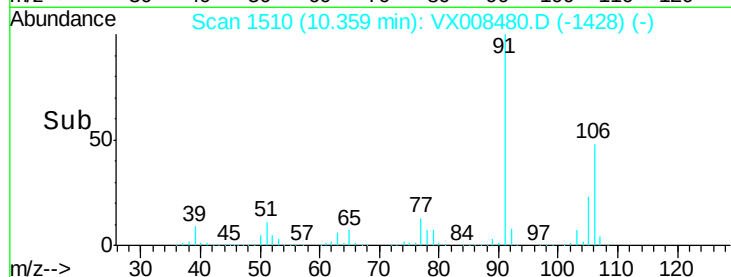
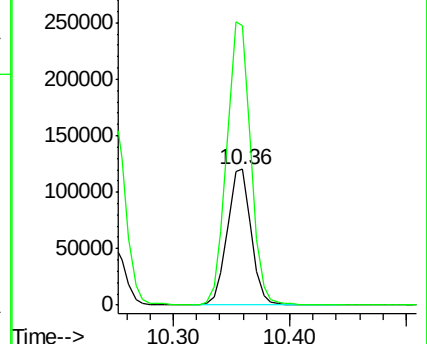
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.018 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX008480.D

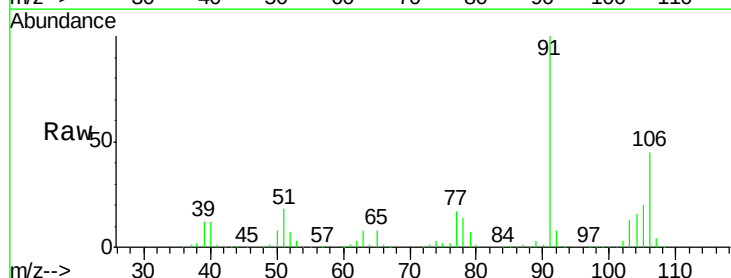
Acq: 27 Mar 2019 14:20

Tgt Ion:106 Resp: 81986

Ion Ratio Lower Upper

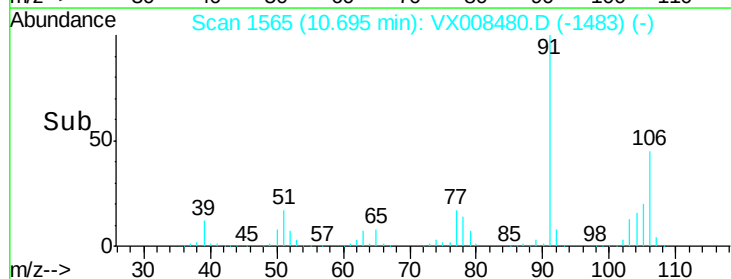
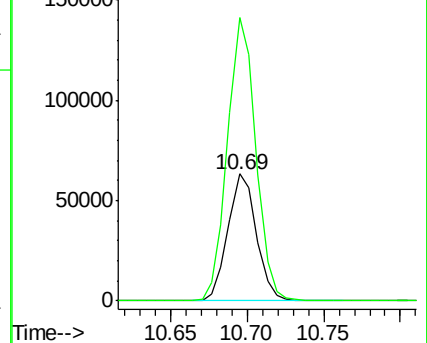
106 100

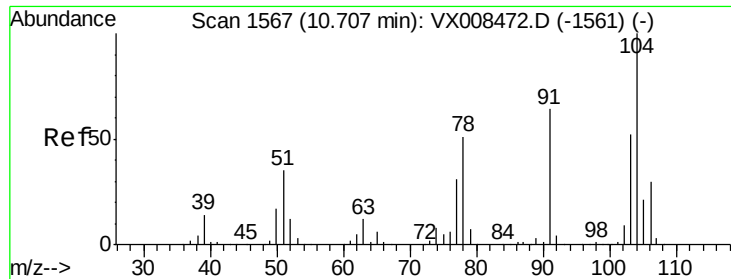
91 221.2 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





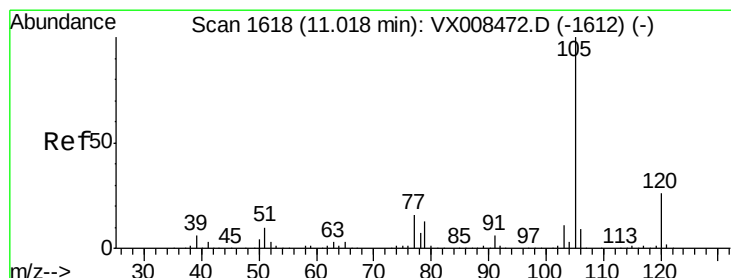
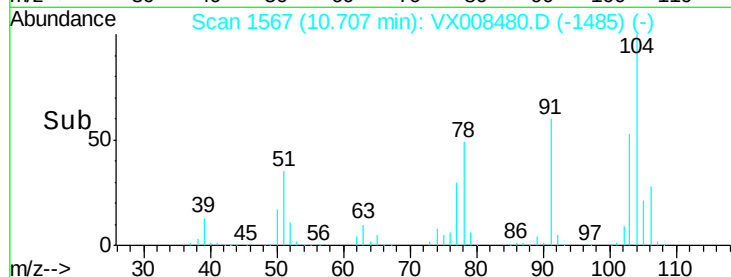
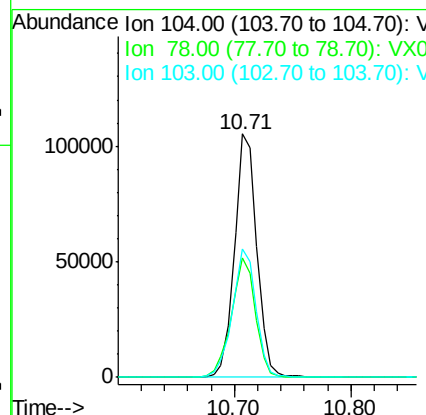
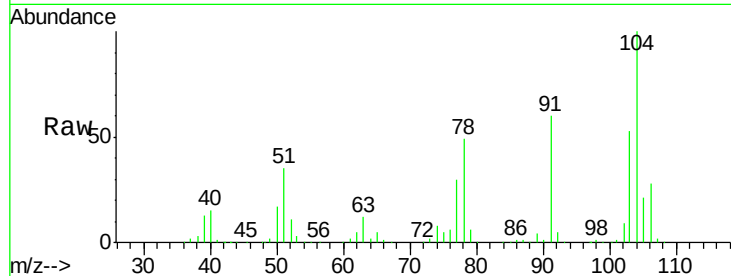
#69
Stvrene
Concen: 18.757 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.9	38.2	57.2
103	56.1	45.0	67.4

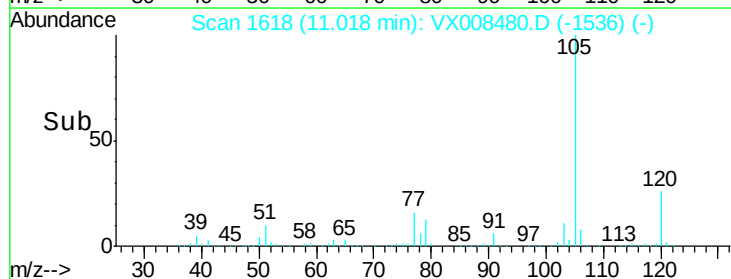
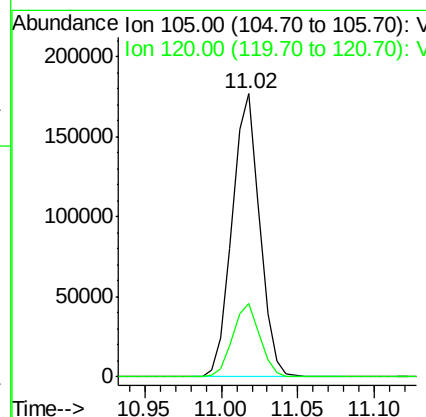
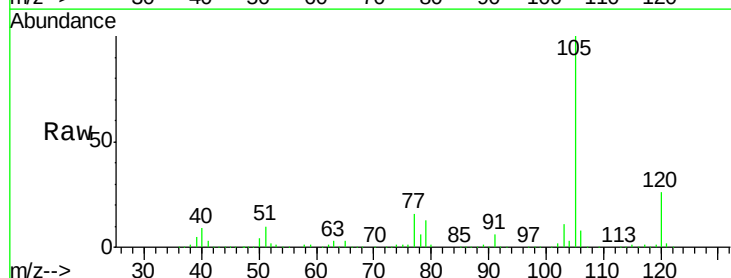
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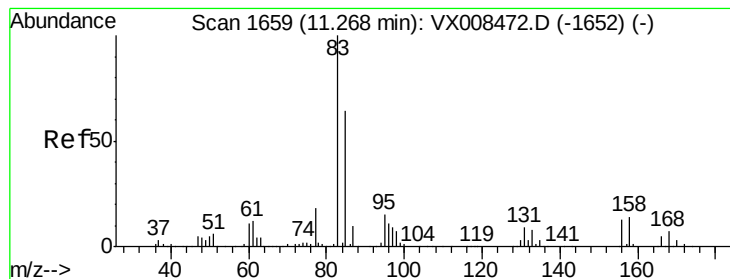
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#70
Isopropylbenzene
Concen: 19.412 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 19.031 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

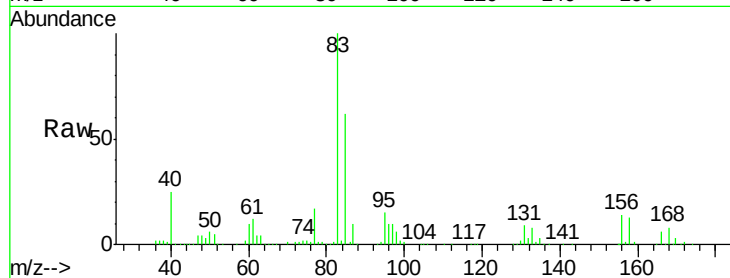
ClientSampleId :

VX0327WBS01

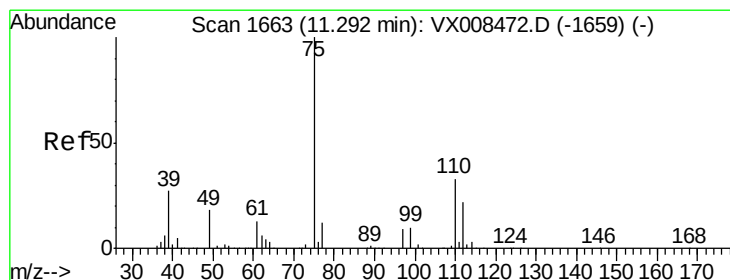
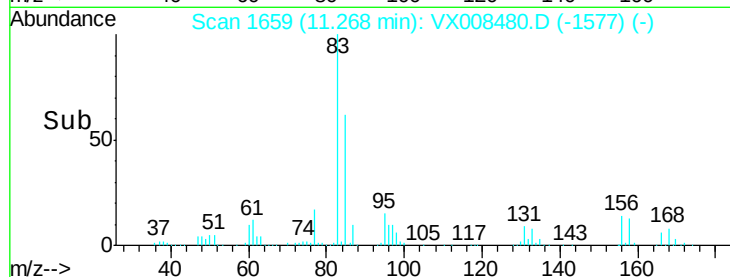
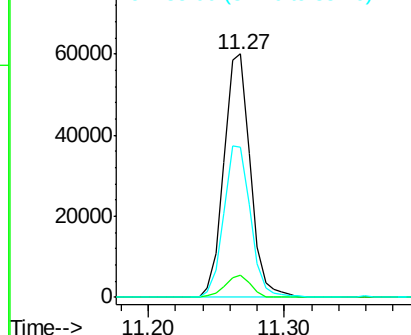
Tot Ion:	83	Resp:	80847
Ion Ratio	Lower	Upper	
83	100		
131	9.0	5.4	16.2
85	63.4	32.8	98.4

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 19.036 ug/l m

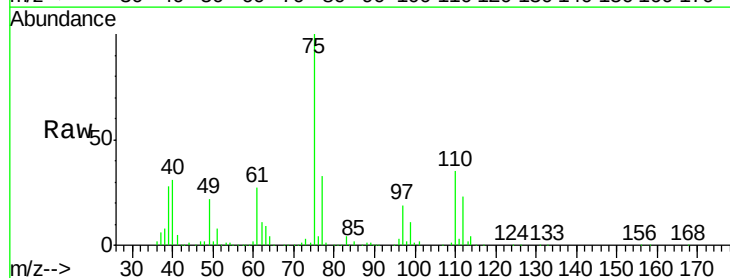
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

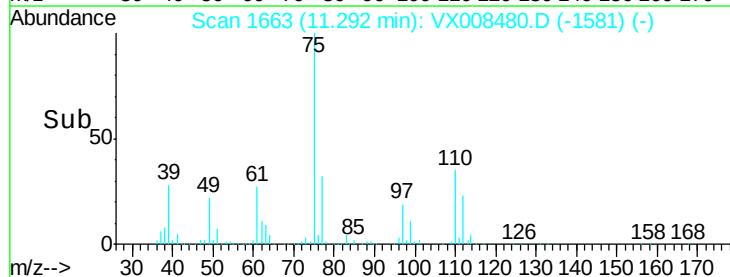
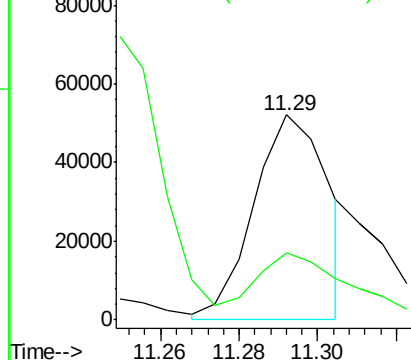
Lab File: VX008480.D

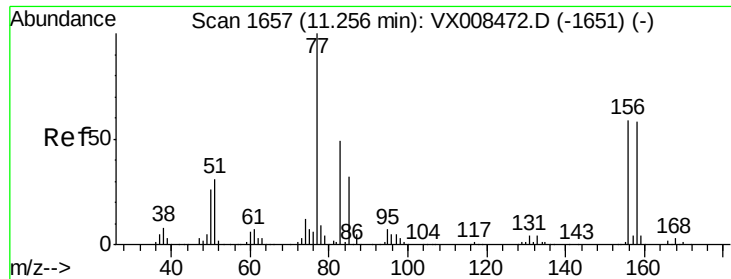
Acq: 27 Mar 2019 14:20

Tgt Ion:	75	Resp:	68358
Ion Ratio	Lower	Upper	
75	100		
77	41.6	0.0	76.4



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





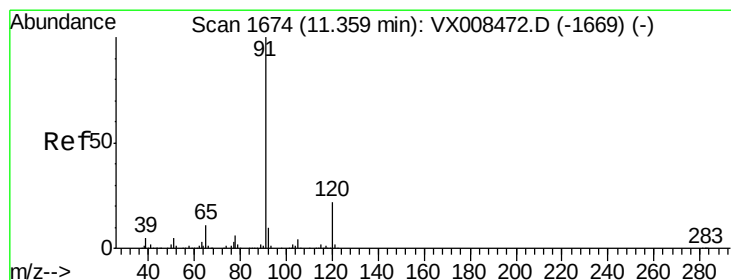
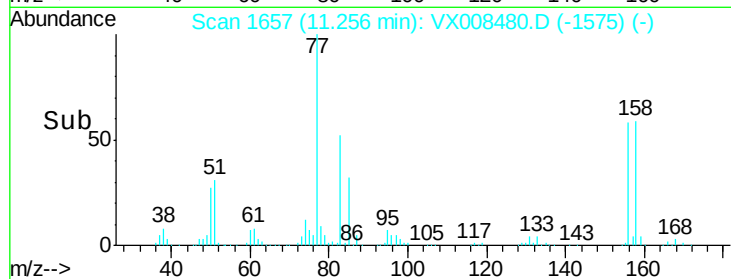
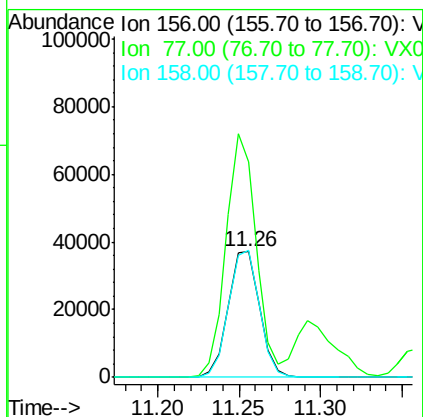
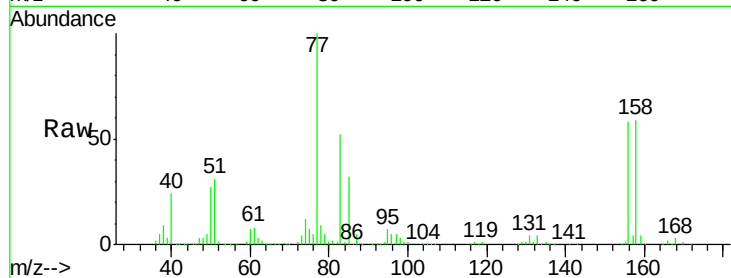
#73
Bromobenzene
Concen: 18.611 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	50353		
77	182.7		0.0	271.4
158	98.2		0.0	194.0

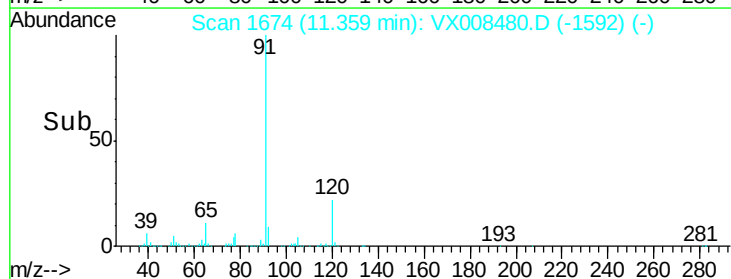
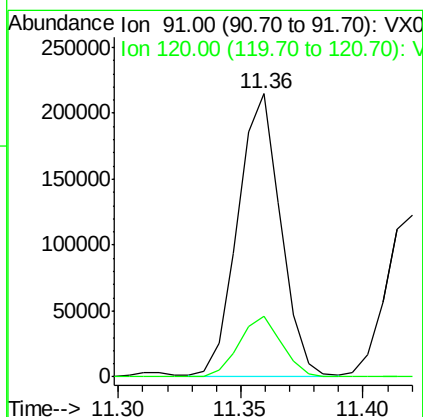
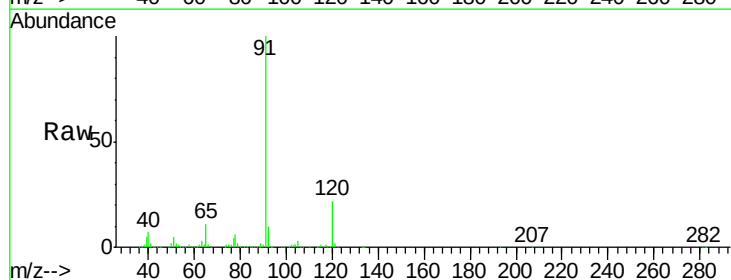
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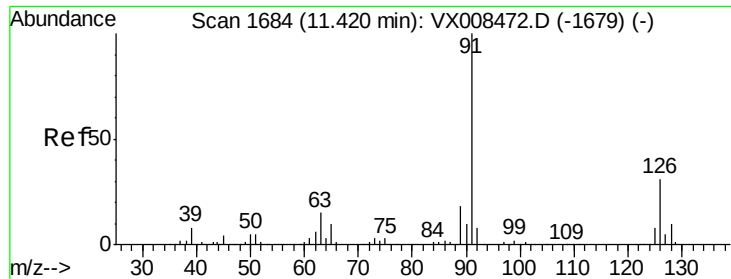
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#74
n-propylbenzene
Concen: 19.334 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	261922		
120	21.4		0.0	48.6





#75

2-Chlorotoluene

Concen: 19.322 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampled :

VX0327WBS01

Tot Ion: 91 Resp: 155732

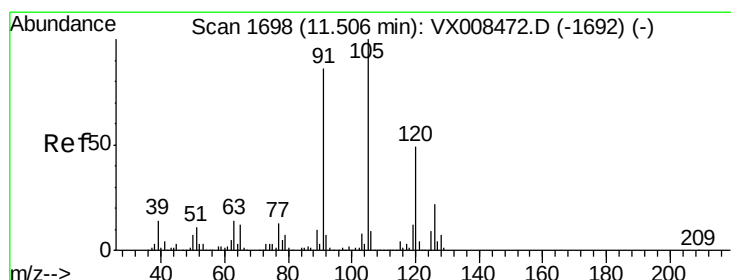
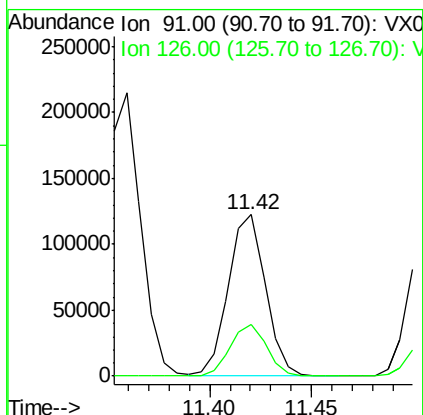
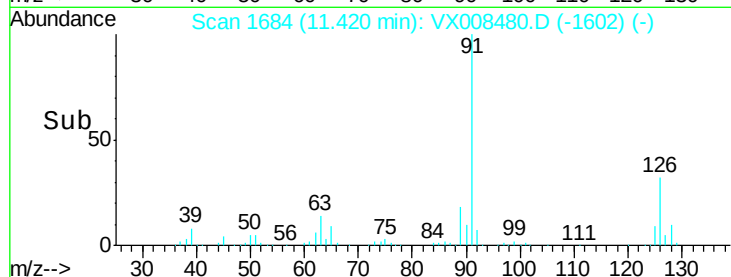
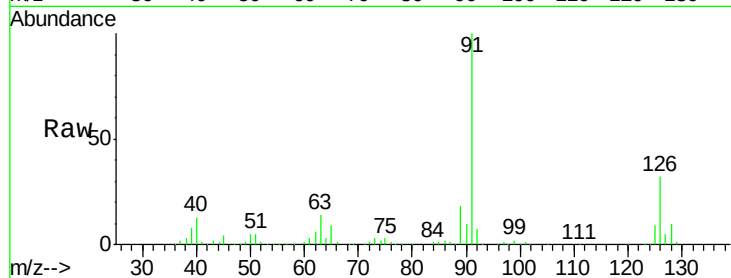
Ion Ratio Lower Upper

91 100

126 31.2 0.0 75.2

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 19.036 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008480.D

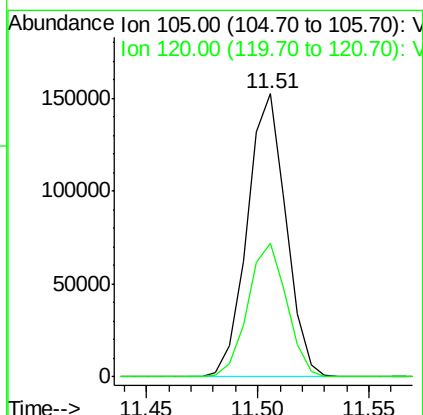
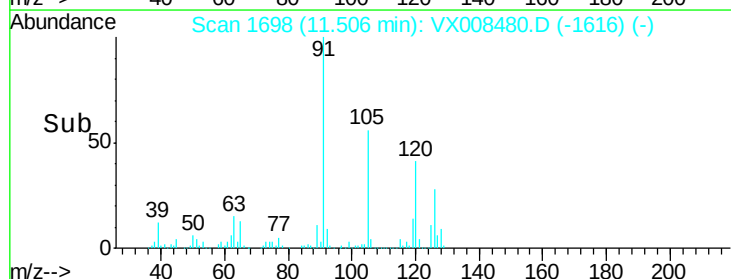
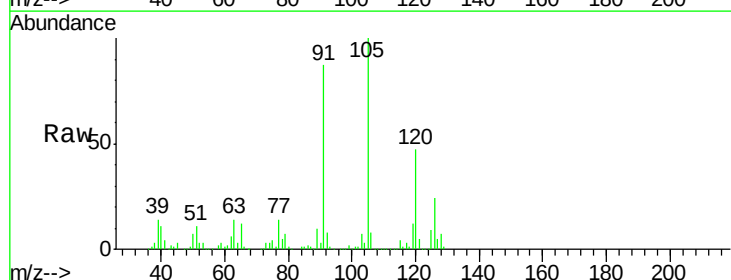
Acq: 27 Mar 2019 14:20

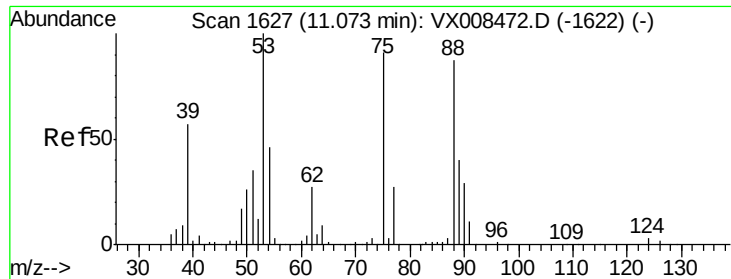
Tgt Ion: 105 Resp: 185073

Ion Ratio Lower Upper

105 100

120 47.6 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 16.456 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampled :

VX0327WBS01

Tot Ion: 75 Resp: 22667

Ion Ratio Lower Upper

75 100

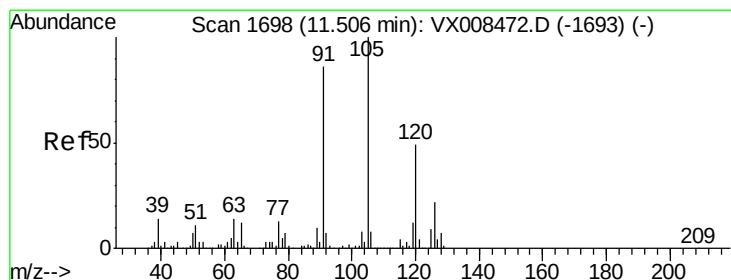
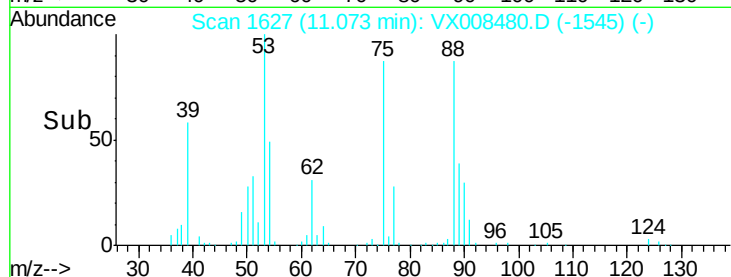
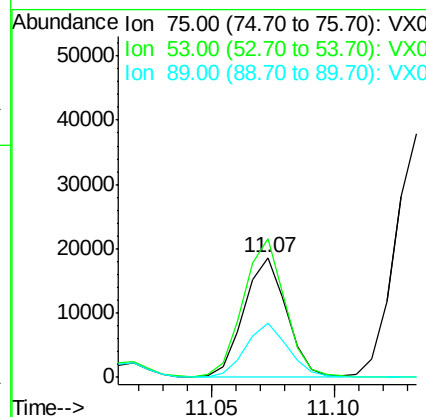
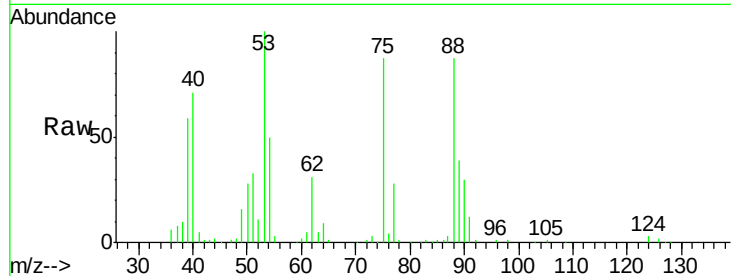
53 115.3 55.5 166.7

89 44.7 24.4 73.2

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#78

4-Chlorotoluene

Concen: 19.097 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008480.D

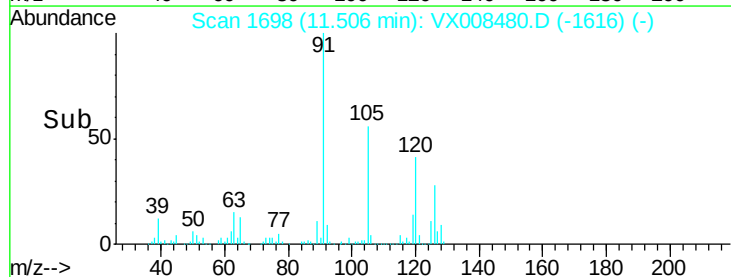
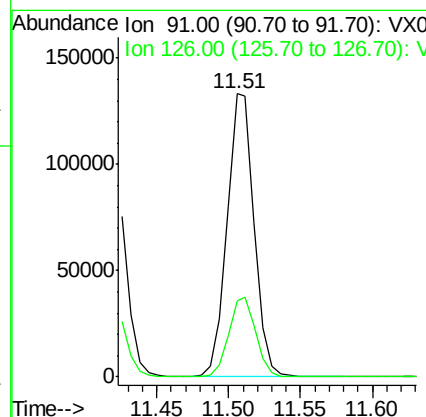
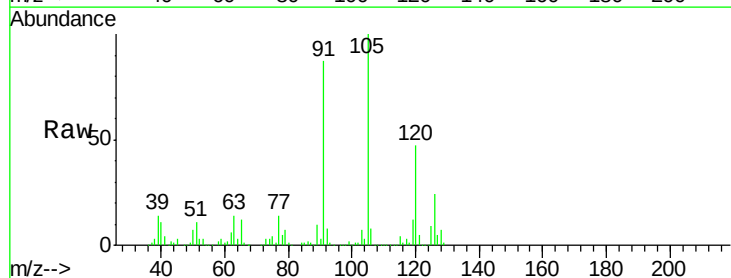
Acq: 27 Mar 2019 14:20

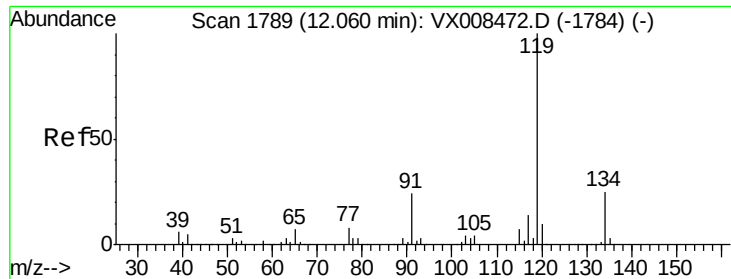
Tgt Ion: 91 Resp: 177149

Ion Ratio Lower Upper

91 100

126 27.9 0.0 66.2





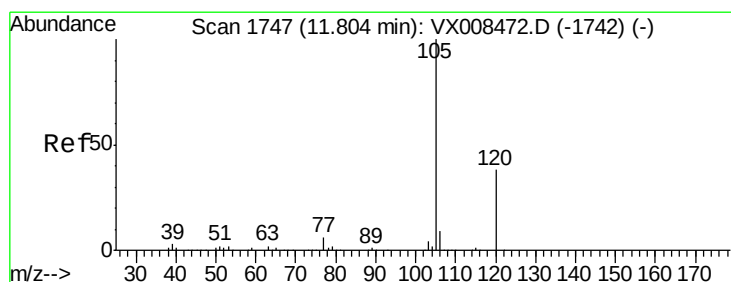
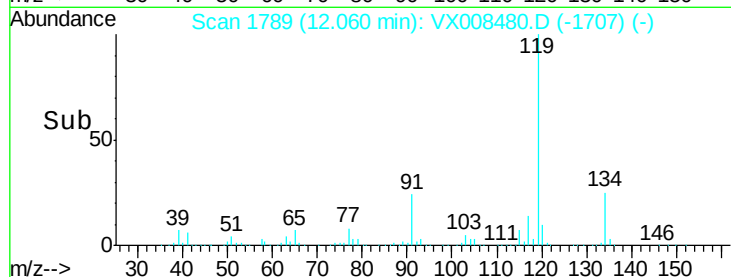
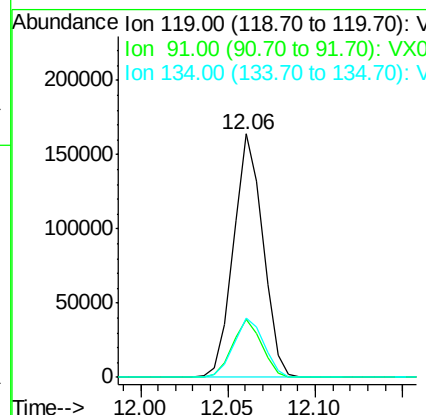
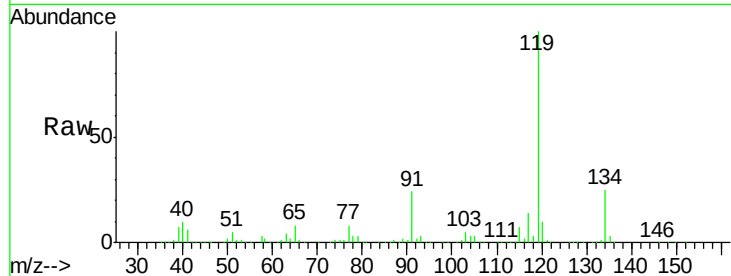
#79
tert-butylbenzene
Concen: 19.306 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191813		
91	23.9	0.0	45.0	
134	25.3	0.0	55.4	

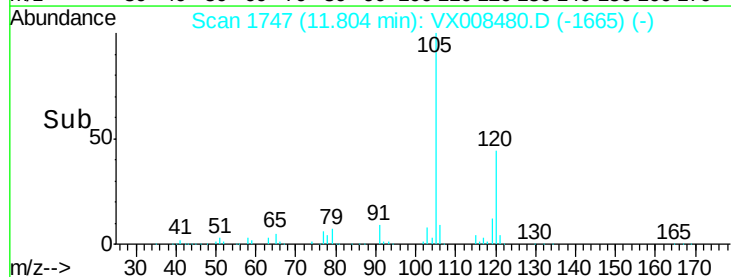
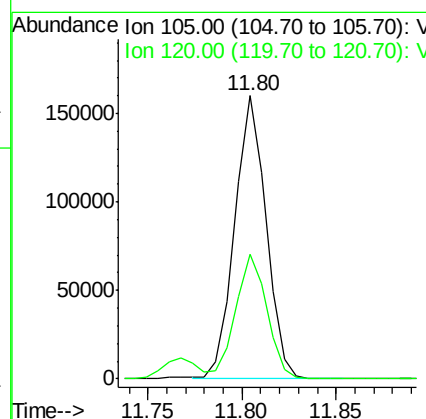
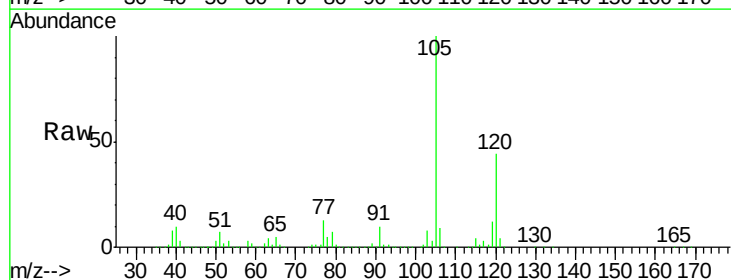
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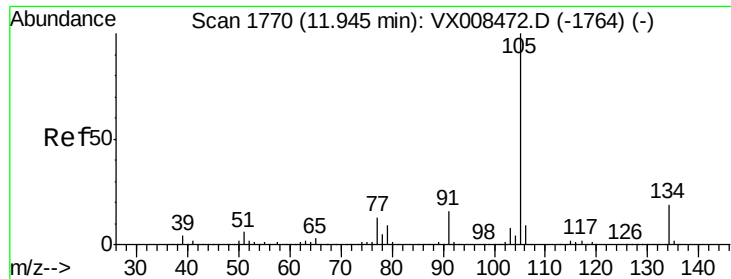
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#80
1,2,4-Trimethylbenzene
Concen: 19.077 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	184929		
120	44.2	0.0	94.0	





#81

sec-Butylbenzene

Concen: 19.325 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBS01

Tot Ion:105 Resp: 214662

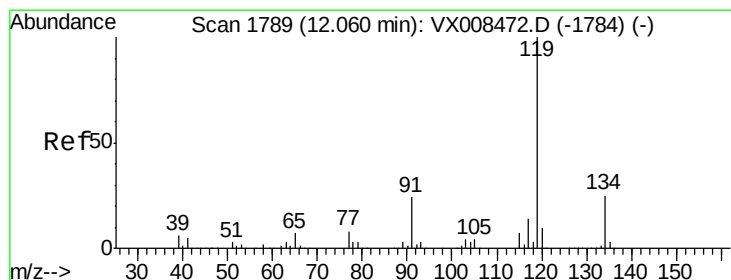
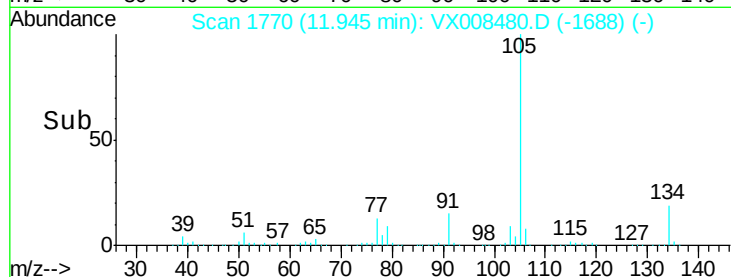
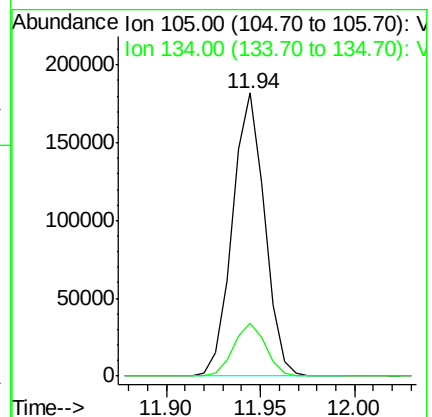
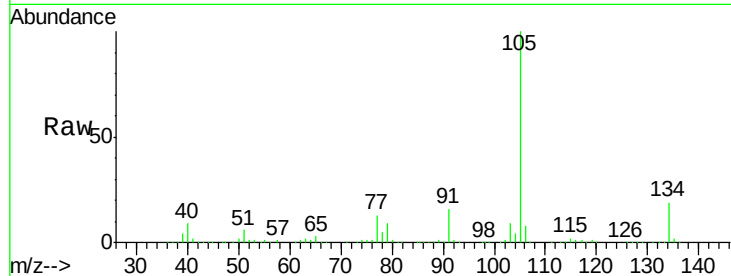
Ion Ratio Lower Upper

105 100

134 18.9 0.0 41.8

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 19.306 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

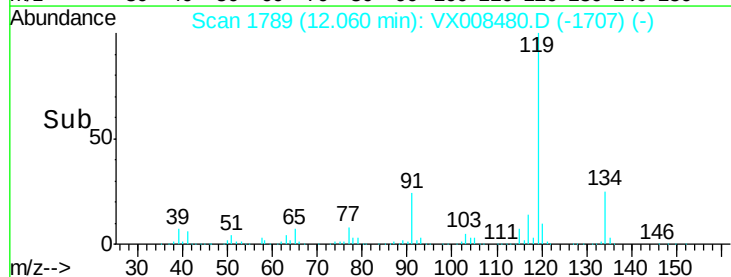
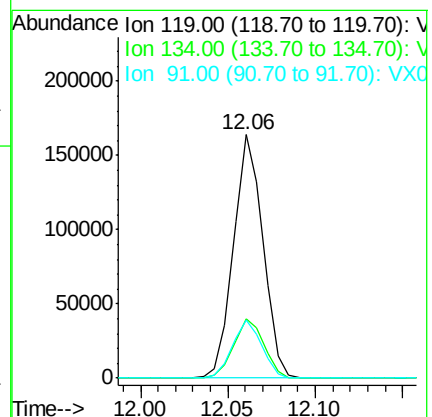
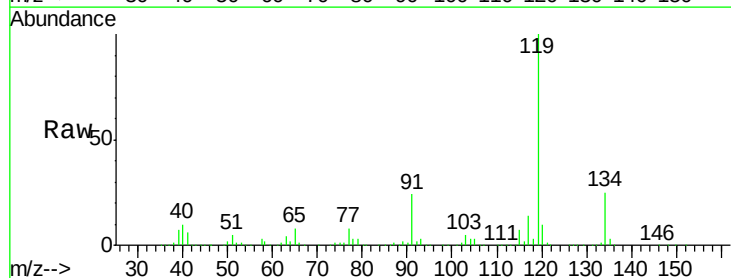
Tgt Ion:119 Resp: 191813

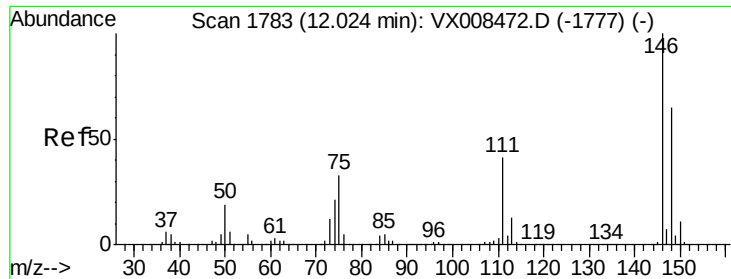
Ion Ratio Lower Upper

119 100

134 25.3 0.0 55.4

91 23.9 0.0 45.0





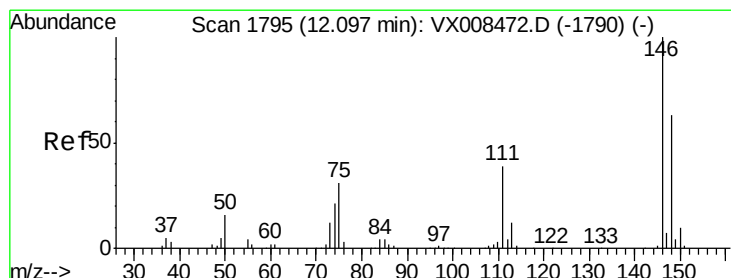
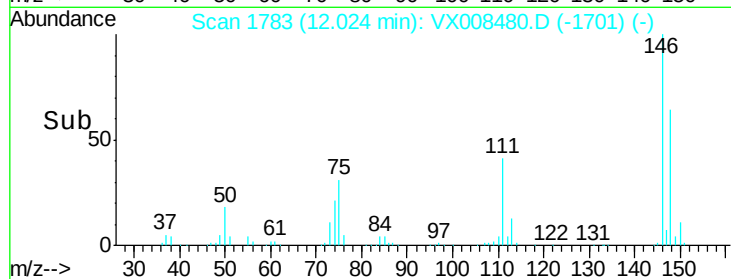
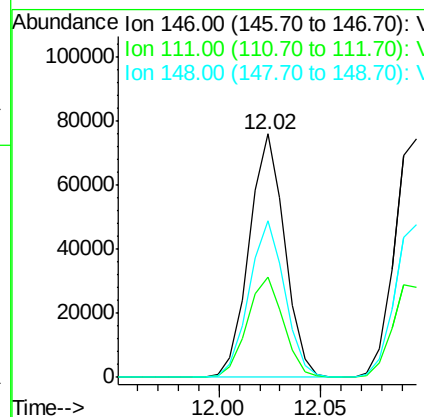
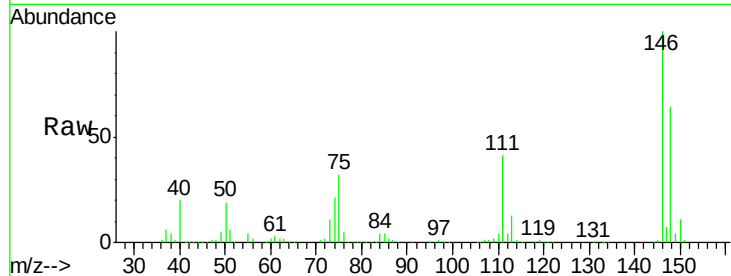
#83
 1,3-Dichlorobenzene
 Concen: 19.127 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	18.8	56.3
148	64.5	30.6	91.8

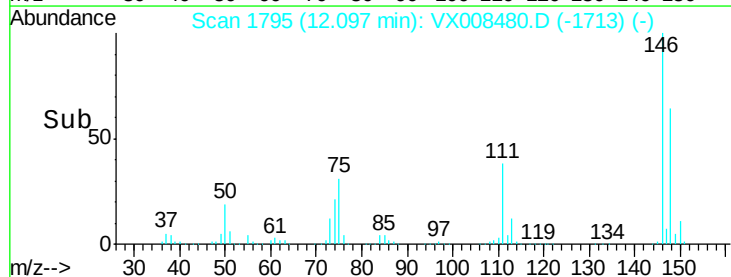
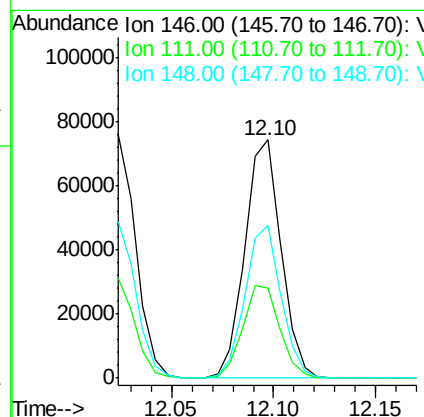
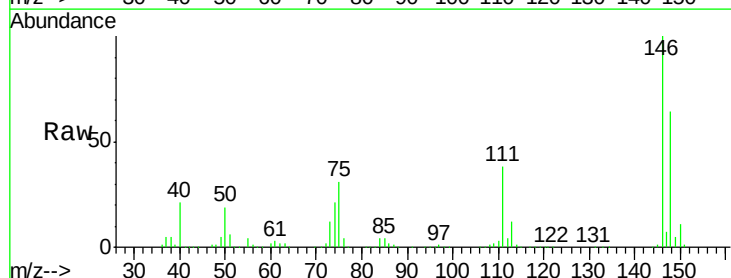
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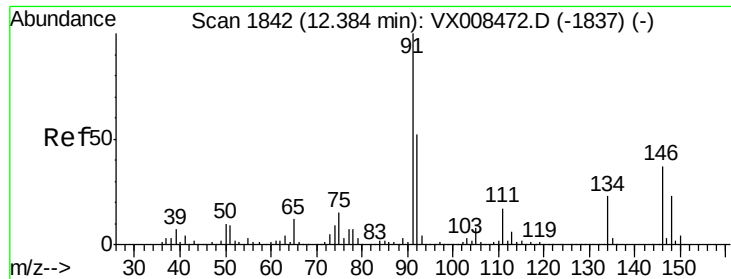
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#84
 1,4-Dichlorobenzene
 Concen: 19.147 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	17.6	52.8
148	63.3	31.4	94.2





#85

n-Butylbenzene

Concen: 18.828 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Instrument :

MSVOA_X

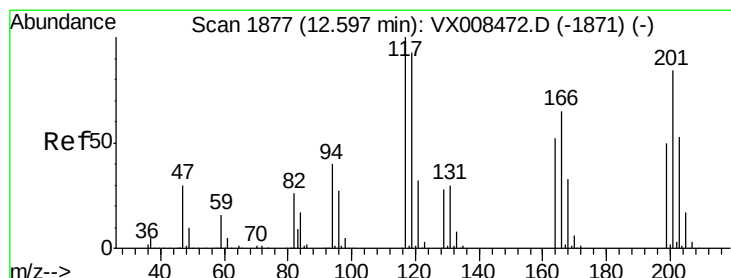
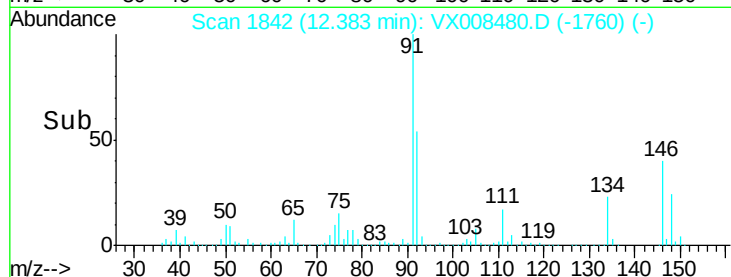
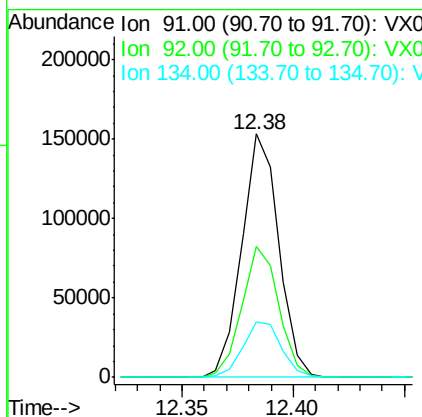
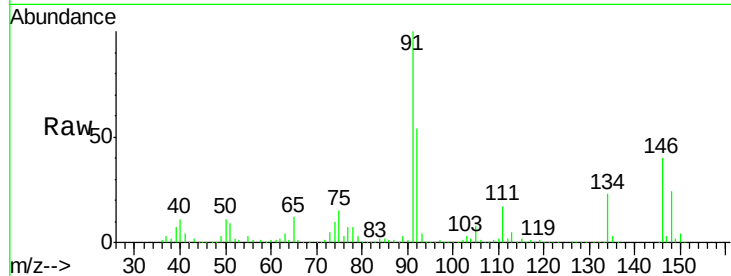
ClientSampleId :

VX0327WBS01

Tot Ion:	91	Resp:	177740
Ion Ratio	Lower	Upper	
91	100		
92	53.7	0.0	105.2
134	23.7	0.0	56.4

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#86

Hexachloroethane

Concen: 17.992 ug/l

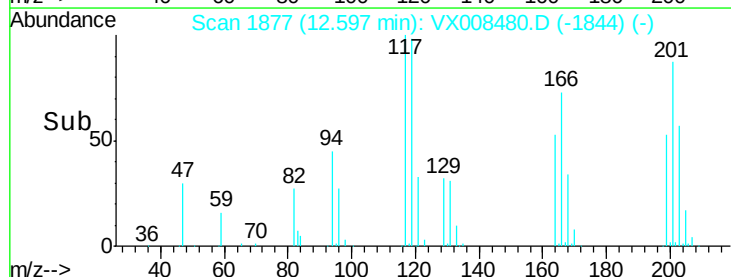
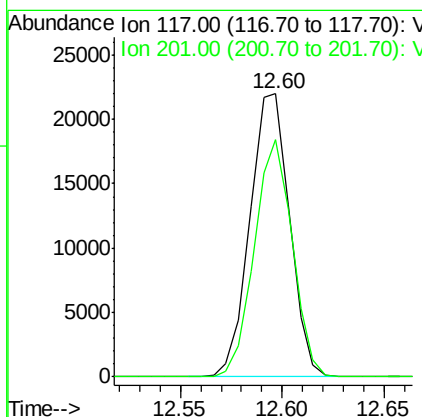
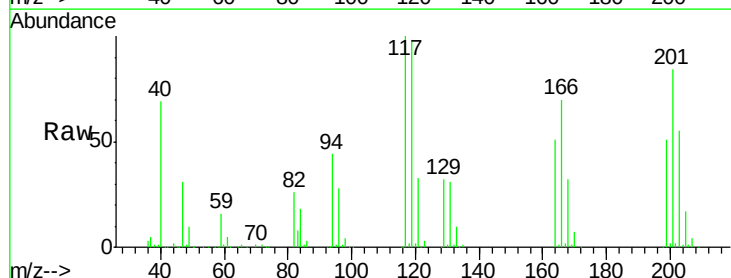
RT: 12.60 min Scan# 1877

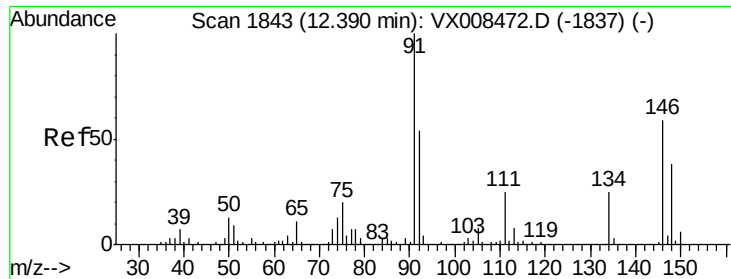
Delta R.T. -0.00 min

Lab File: VX008480.D

Acq: 27 Mar 2019 14:20

Tgt Ion:	117	Resp:	29867
Ion Ratio	Lower	Upper	
117	100		
201	79.7	41.1	123.3





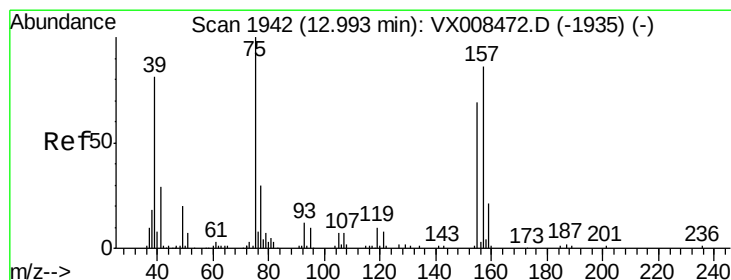
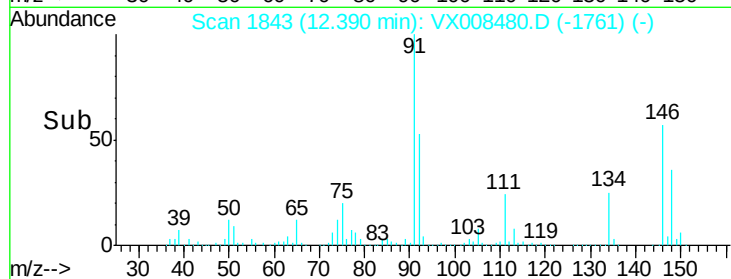
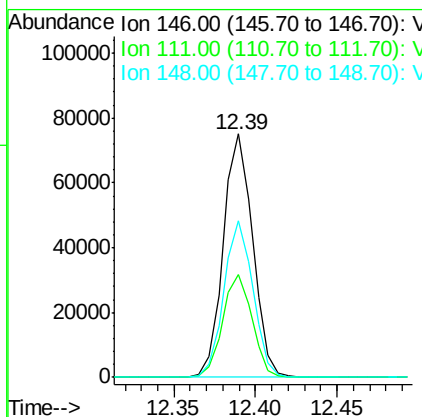
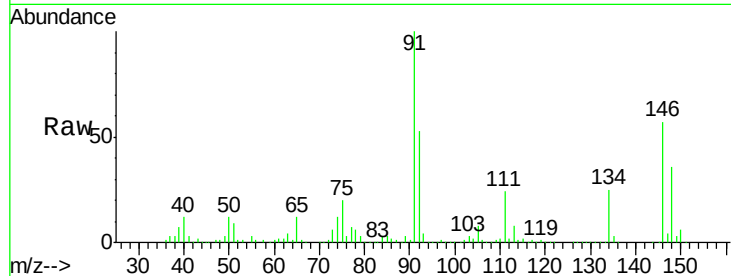
#87
 1,2-Dichlorobenzene
 Concen: 19.365 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Instrument :
 MSVOA_X
 ClientSampled :
 VX0327WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.3	57.8
148	63.7	32.1	96.3

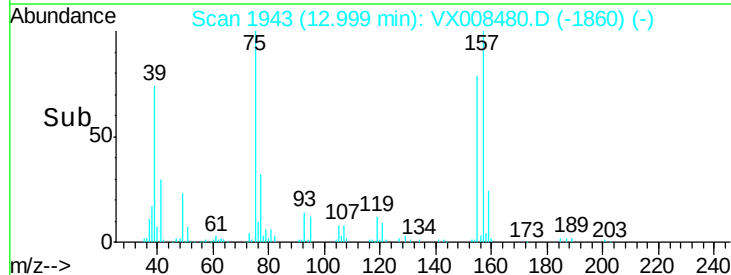
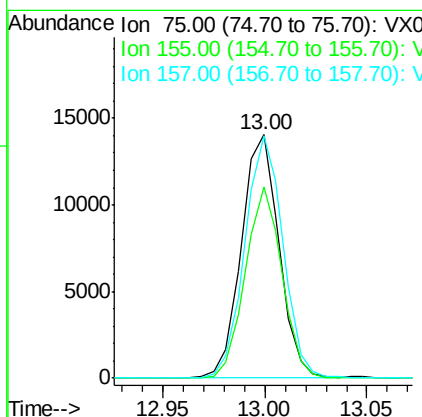
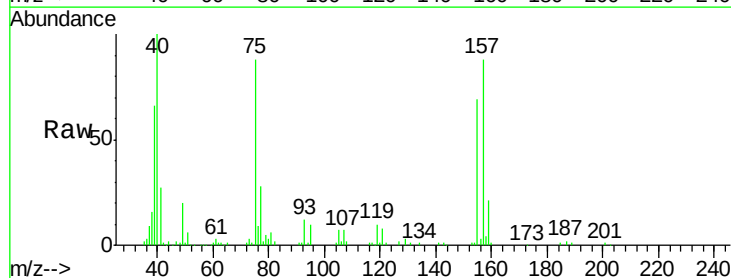
Manual Integrations
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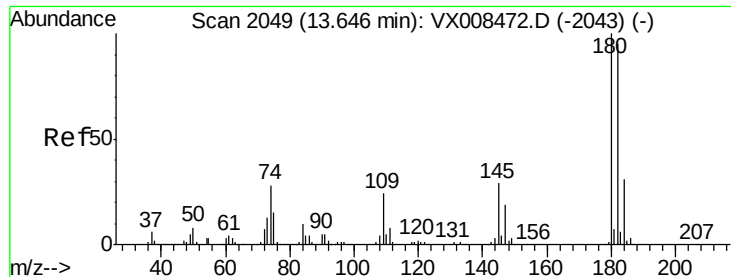
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.084 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008480.D
 Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	81.0	121.6#
157	100.9	103.2	154.8#





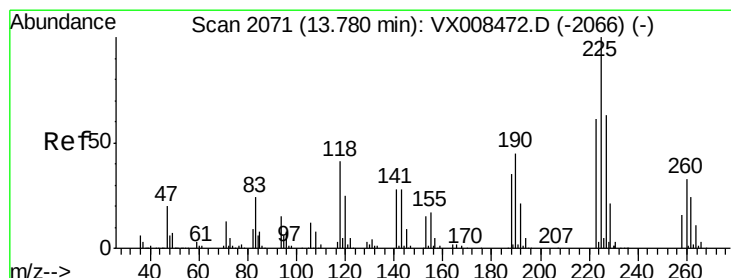
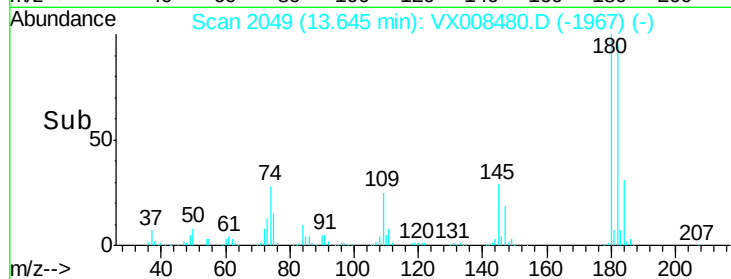
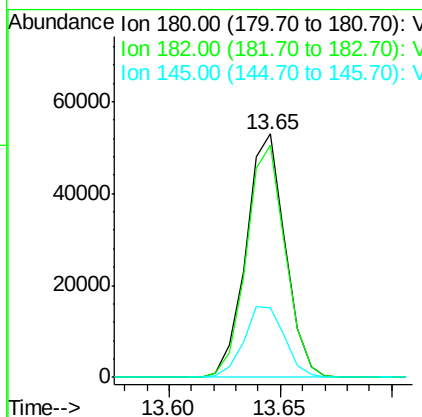
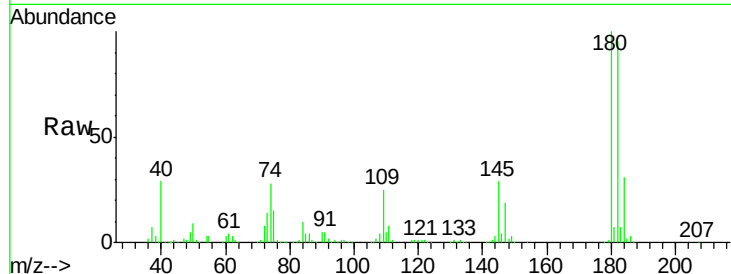
#89
1,2,4-Trichlorobenzene
Concen: 19.422 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.6	113.4
145	30.4	23.0	34.6

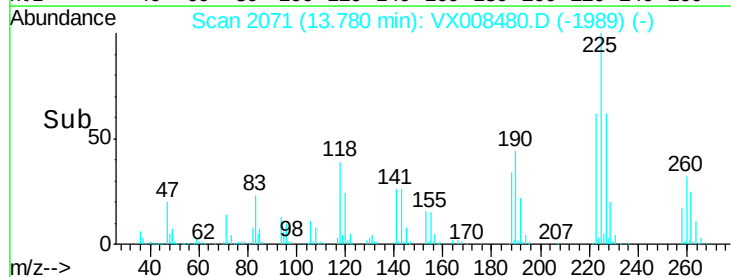
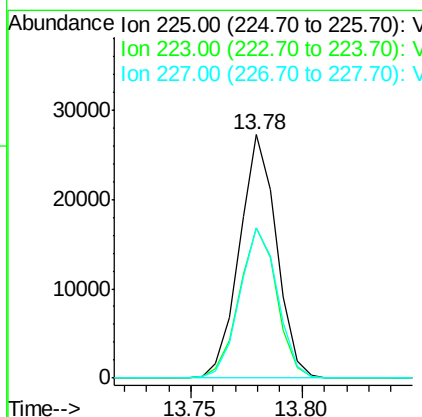
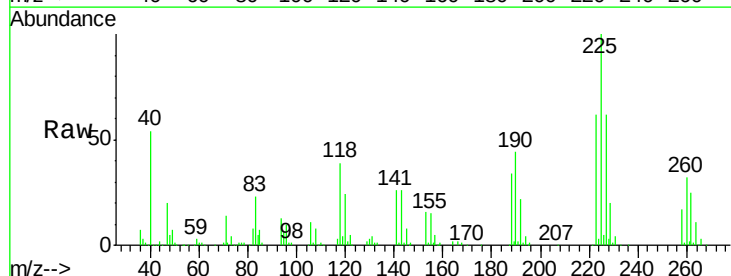
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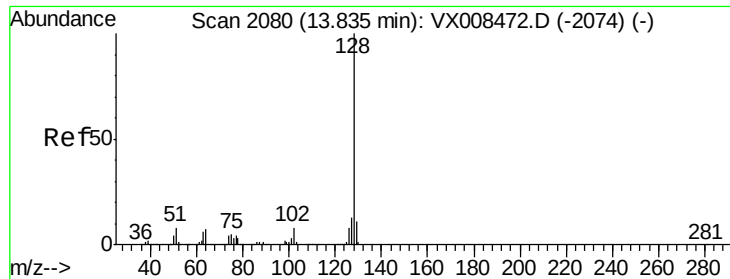
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#90
Hexachlorobutadiene
Concen: 19.680 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	0.0	123.8
227	62.9	0.0	124.4





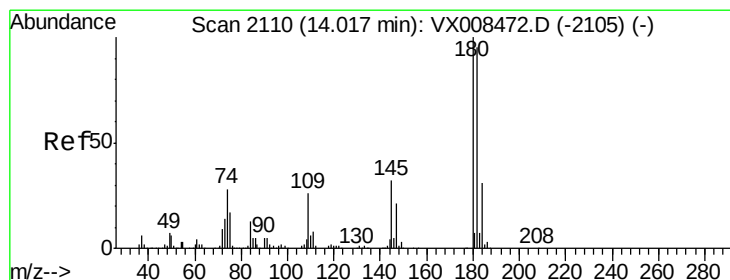
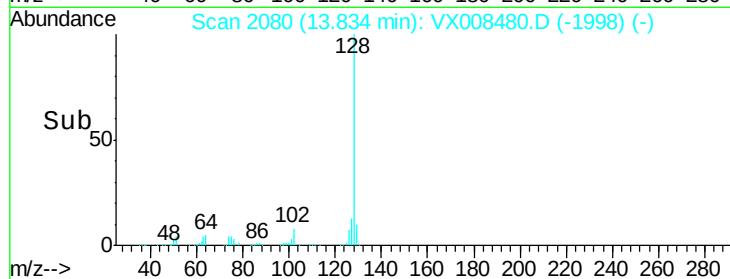
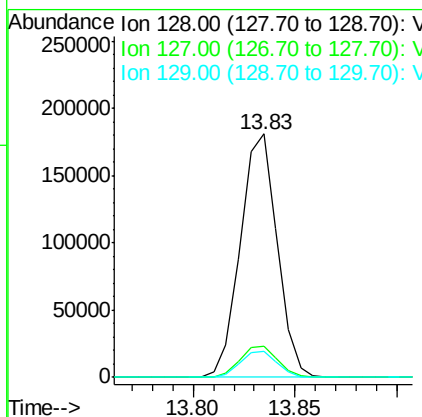
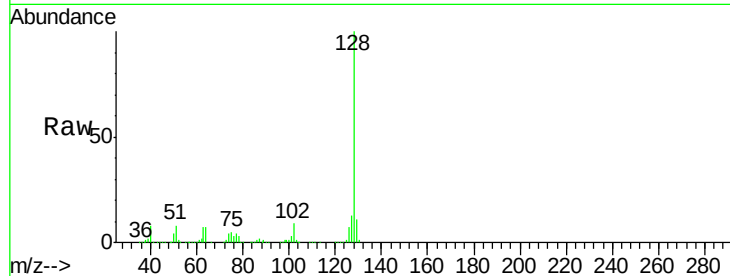
#91
Naphthalene
Concen: 19.881 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 19.863 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008480.D
Acq: 27 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	193.0
145	33.0	0.0	63.0

