

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042920\
 Data File : VX015983.D
 Acq On : 29 Apr 2020 17:33
 Operator : JC/SP
 Sample : L2405-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MS

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:11:46 PM

Quant Time: Apr 30 08:27:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	252250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	417552	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	391594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199900	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	165152	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	5.46	113	124831	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	8.70	98	467318	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.12	95	186028	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	124649	55.221	ug/l	98
3) Chloromethane	1.31	50	142653	52.146	ug/l	100
4) Vinyl Chloride	1.39	62	165601	53.303	ug/l	98
5) Bromomethane	1.62	94	107266	51.430	ug/l	99
6) Chloroethane	1.71	64	108798	52.647	ug/l	99
7) Trichlorofluoromethane	1.92	101	244287	52.022	ug/l	98
8) Diethyl Ether	2.17	74	101962	52.010	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	123568	52.791	ug/l	99
10) Methyl Iodide	2.49	142	167844	51.403	ug/l	99
11) Tert butyl alcohol	3.01	59	198506	247.952	ug/l	99
12) 1,1-Dichloroethene	2.36	96	124181	51.454	ug/l	96
13) Acrolein	2.27	56	59543	295.948	ug/l	99
14) Allyl chloride	2.71	41	232431	53.409	ug/l	99
15) Acrylonitrile	3.12	53	428782	270.116	ug/l	99
16) Acetone	2.42	43	383309	271.789	ug/l	97
17) Carbon Disulfide	2.55	76	361126	51.296	ug/l	99
18) Methyl Acetate	2.75	43	204834	51.182	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	468263	53.644	ug/l	100
20) Methylene Chloride	2.84	84	142951	51.203	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	137250	50.460	ug/l	97
22) Diisopropyl ether	3.82	45	460707	53.847	ug/l	97
23) Vinyl Acetate	3.79	43	1941704	261.254	ug/l	100
24) 1,1-Dichloroethane	3.67	63	257373	54.000	ug/l	99
25) 2-Butanone	4.64	43	615988	269.532	ug/l	100
26) 2,2-Dichloropropane	4.56	77	215782	49.516	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	159646	51.722	ug/l	99
28) Bromochloromethane	4.98	49	114079	49.462	ug/l	98
29) Tetrahydrofuran	5.09	42	397369	265.311	ug/l	99
30) Chloroform	5.18	83	263387	53.144	ug/l	97
31) Cyclohexane	5.55	56	225847	53.227	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	240381	52.678	ug/l	100
36) 1,1-Dichloropropene	5.78	75	195994	49.283	ug/l	99
37) Ethyl Acetate	4.79	43	226941	49.765	ug/l	98
38) Carbon Tetrachloride	5.76	117	212793	50.658	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	230322	50.068	ug/l	96
40) Benzene	6.12	78	572770	50.476	ug/l	99
41) Methacrylonitrile	5.01	41	126658	51.888	ug/l	98
42) 1,2-Dichloroethane	6.17	62	224286	51.012	ug/l	99
43) Isopropyl Acetate	6.42	43	375130	49.676	ug/l	99
44) Trichloroethene	7.19	130	190907	46.676	ug/l	100
45) 1,2-Dichloropropane	7.49	63	148790	50.736	ug/l	98
46) Dibromomethane	7.64	93	103942	49.880	ug/l	99
47) Bromodichloromethane	7.88	83	214466	51.791	ug/l	99
48) Methyl methacrylate	7.74	41	182979	52.481	ug/l	99
49) 1,4-Dioxane	7.71	88	73990	902.086	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1197458	261.426	ug/l	100
52) Toluene	8.77	92	367627	51.039	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	243557	49.569	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	251804	49.828	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	146387	50.856	ug/l	98
56) Ethyl methacrylate	9.16	69	245112	52.369	ug/l	99
57) 1,3-Dichloropropane	9.35	76	252531	51.061	ug/l	99
59) 2-Hexanone	9.48	43	930967	260.070	ug/l	100
60) Dibromochloromethane	9.57	129	167854	52.100	ug/l	98
61) 1,2-Dibromoethane	9.65	107	158142	50.664	ug/l	98
64) Tetrachloroethene	9.32	164	217513	46.822	ug/l	98
65) Chlorobenzene	10.12	112	391995	49.148	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	151038	50.104	ug/l	99
67) Ethyl Benzene	10.24	91	712285	50.148	ug/l	99
68) m/p-Xylenes	10.34	106	534062	99.090	ug/l	99
69) o-Xylene	10.68	106	261350	51.074	ug/l	100
70) Styrene	10.70	104	450062	51.258	ug/l	99
71) Bromoform	10.84	173	127267	46.562	ug/l	100
73) Isopropylbenzene	11.00	105	704300	51.791	ug/l	100
74) N-amyl acetate	10.88	43	326084	49.719	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	160268	50.715	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	219974m	52.442	ug/l	
77) Bromobenzene	11.24	156	178458	50.982	ug/l	99
78) n-propylbenzene	11.35	91	808590	51.688	ug/l	99
79) 2-Chlorotoluene	11.41	91	475981	51.068	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	598535	52.250	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	89200	50.254	ug/l	100
82) 4-Chlorotoluene	11.49	91	573466	51.443	ug/l	100
83) tert-Butylbenzene	11.76	119	520501	52.698	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	607880	52.727	ug/l	98
85) sec-Butylbenzene	11.93	105	692478	52.037	ug/l	99
86) p-Isopropyltoluene	12.05	119	645148	51.758	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	315532	49.430	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	320127	49.622	ug/l	99
89) n-Butylbenzene	12.37	91	574583	51.017	ug/l	100
90) Hexachloroethane	12.58	117	113791	51.668	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	306567	50.224	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	57755	51.443	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	218384	47.667	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.76	225	93870	45.858	ug/l	98
95) Naphthalene	13.82	128	736432	50.964	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	220642	50.015	ug/l	98

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

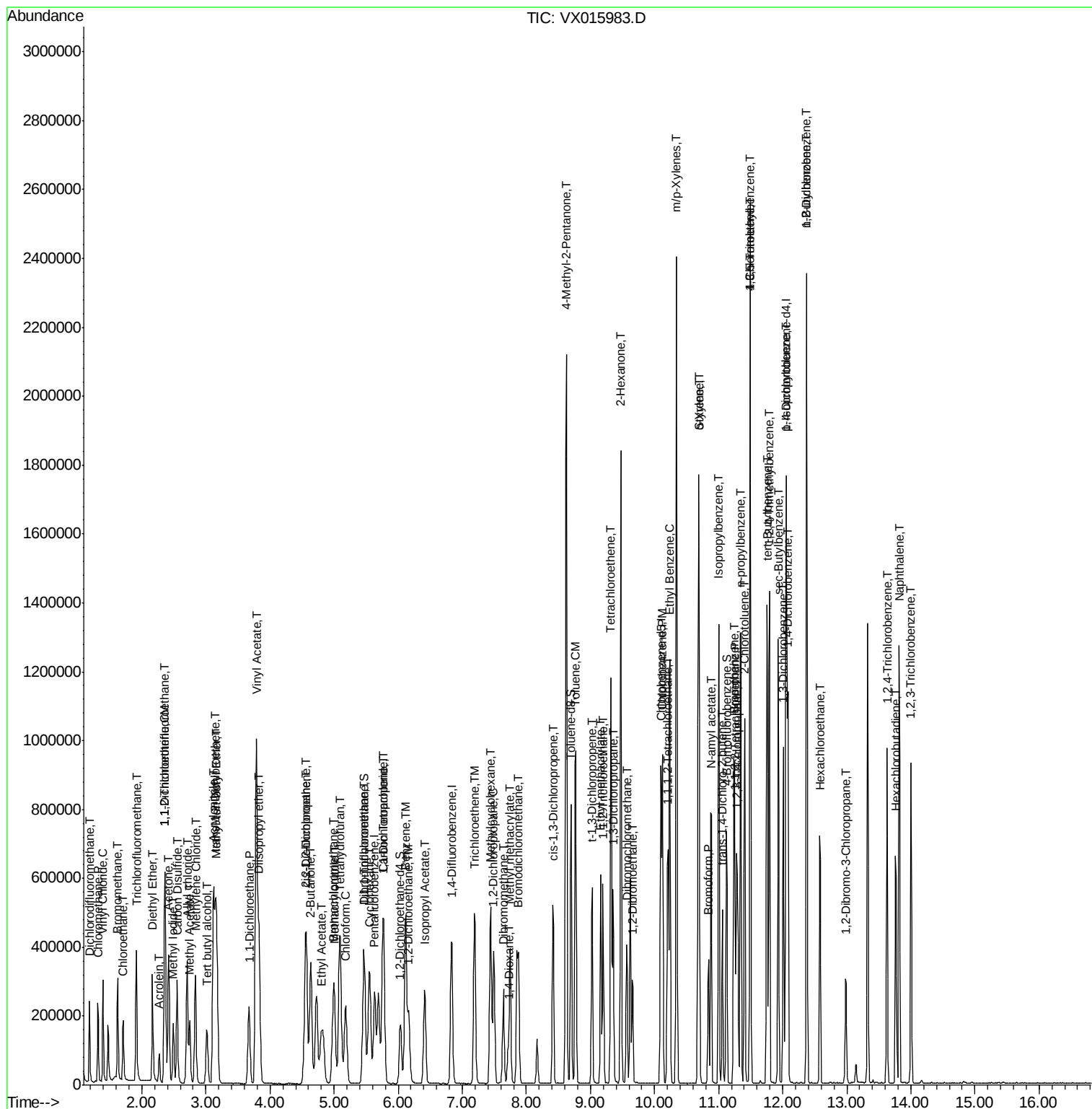
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 Data File : VX015983.D
 Acq On : 29 Apr 2020 17:33
 Operator : JC/SP
 Sample : L2405-04MS
 Misc : 5.0mL/MSVOA X/WATER
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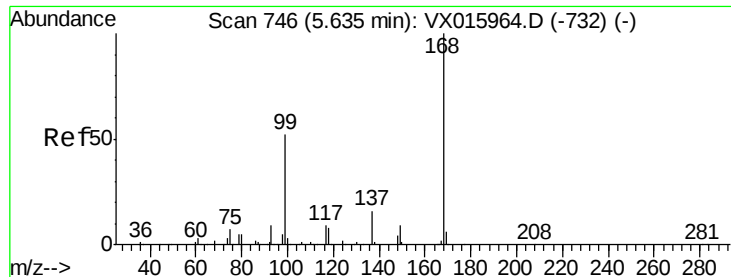
Instrument :
 MSVOA_X
 ClientSampleID :
 HW-7MS

Manual Integrations
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#1

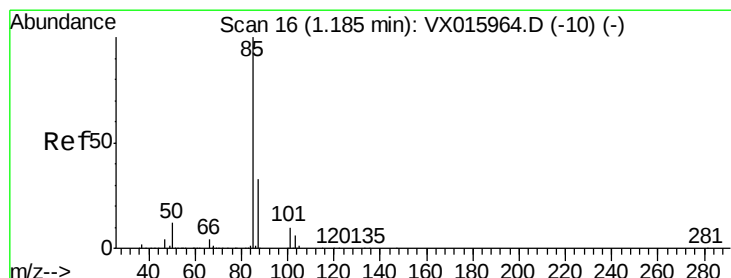
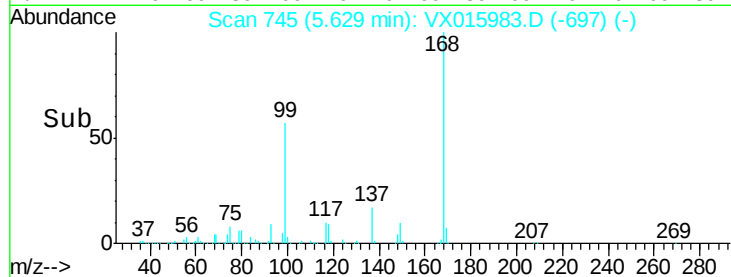
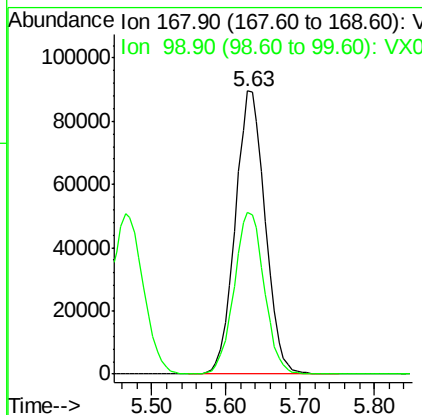
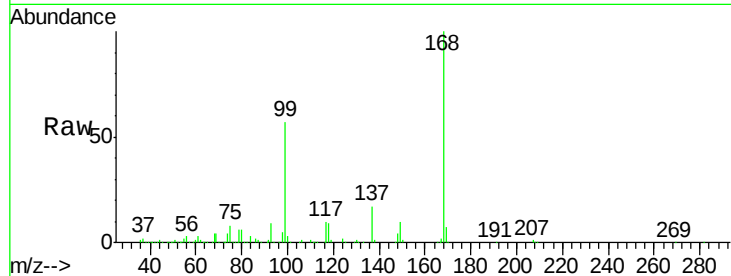
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MS

Tot Ion	Ratio	Resp	Lower	Upper
168	100	252250		
99	57.3	41.7	62.5	

Manual Integrations
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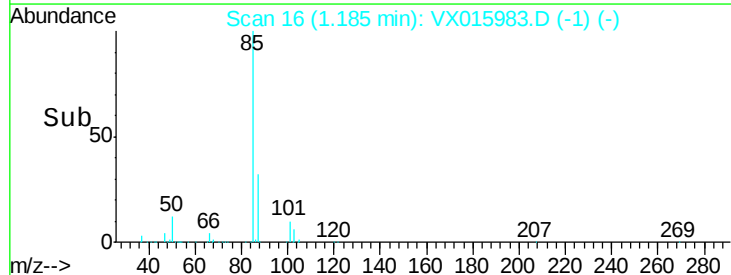
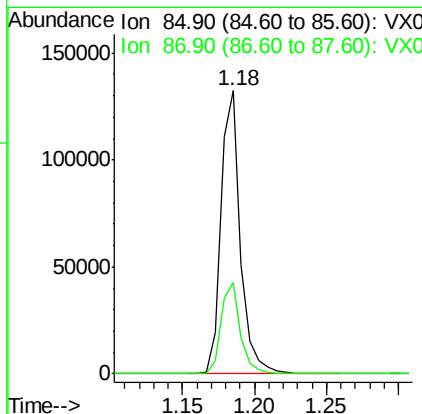
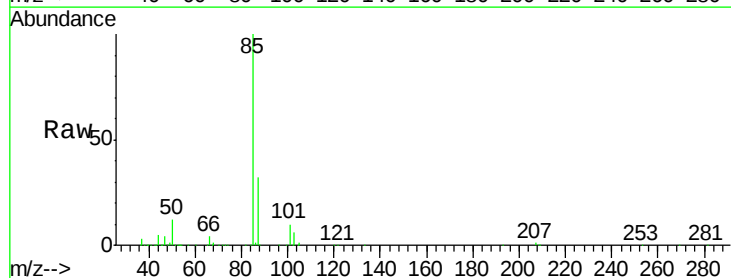
MMDadoda
 4/30/2020 2:11:46 PM

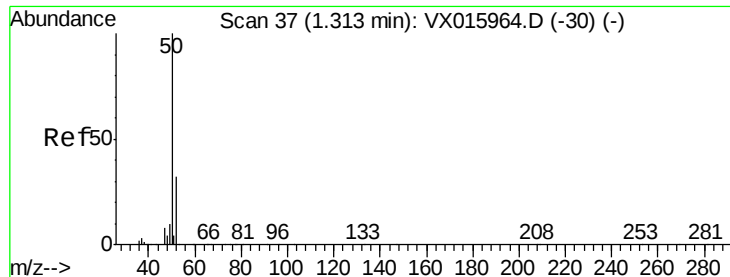


#2

Dichlorodifluoromethane
 Concen: 55.221 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	124649		
87	32.4	16.7	50.1	





#3

Chloromethane

Concen: 52.146 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 50 Resp: 142653

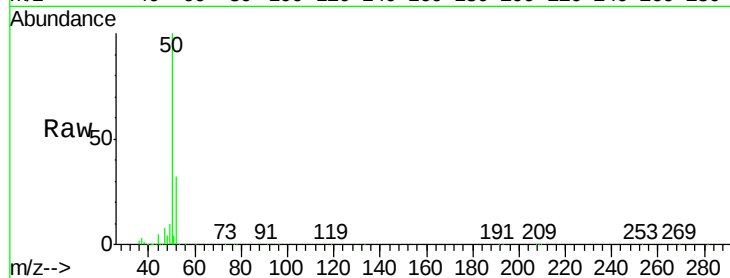
Ion Ratio Lower Upper

50 100

52 32.1 25.5 38.3

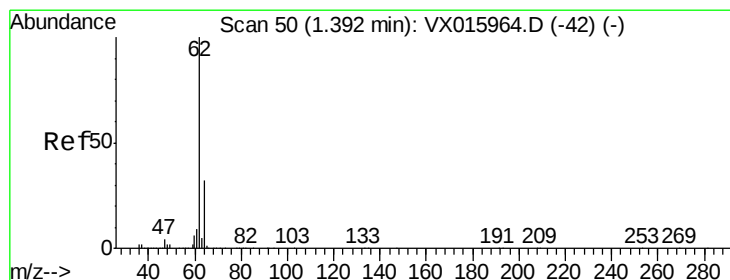
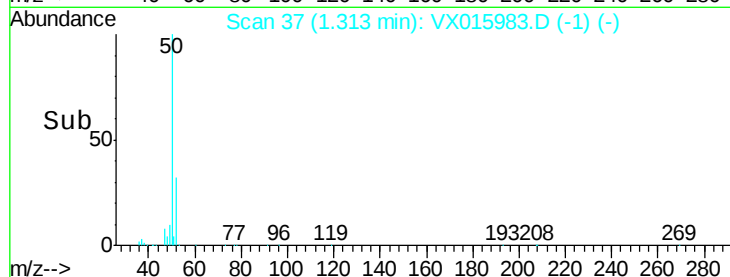
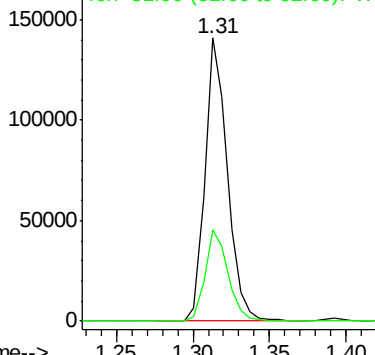
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.303 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015983.D

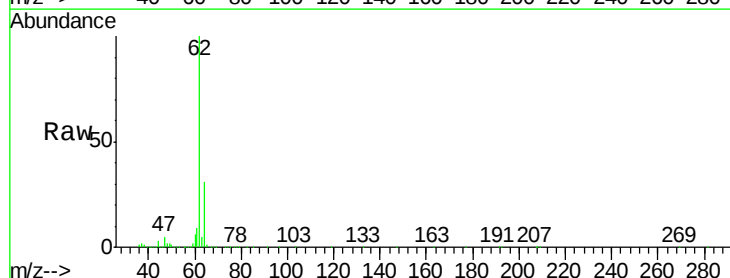
Acq: 29 Apr 2020 17:33

Tgt Ion: 62 Resp: 165601

Ion Ratio Lower Upper

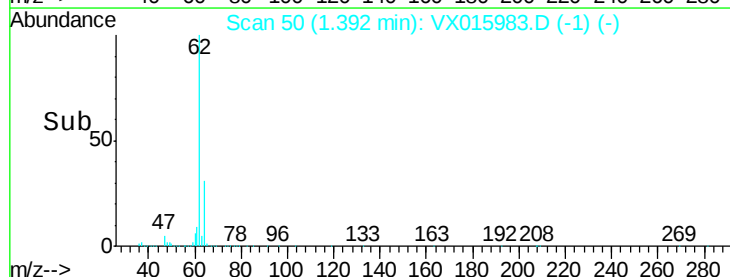
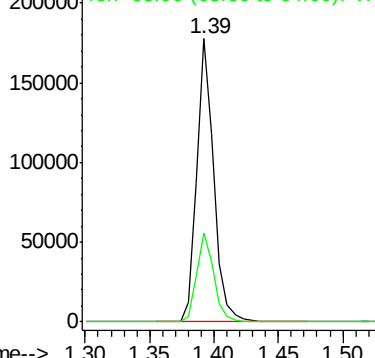
62 100

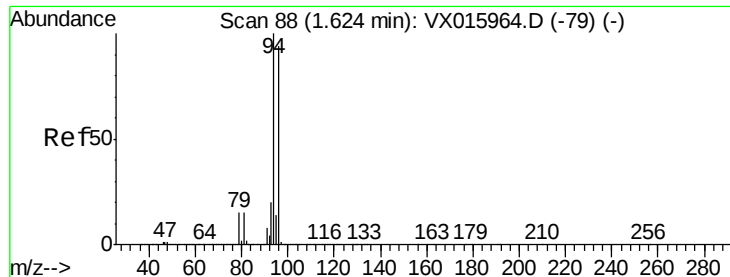
64 31.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.430 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 94 Resp: 107266

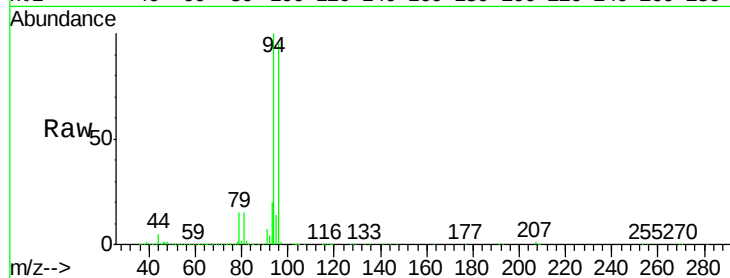
Ion Ratio Lower Upper

94 100

96 94.8 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

100000

80000

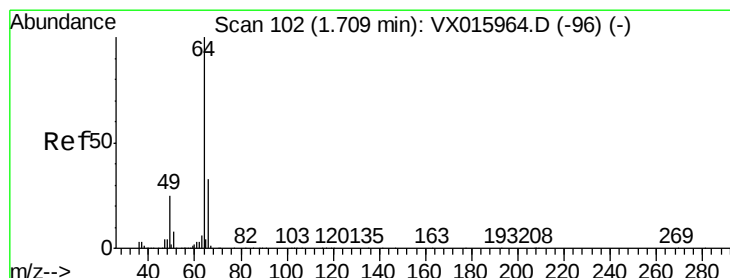
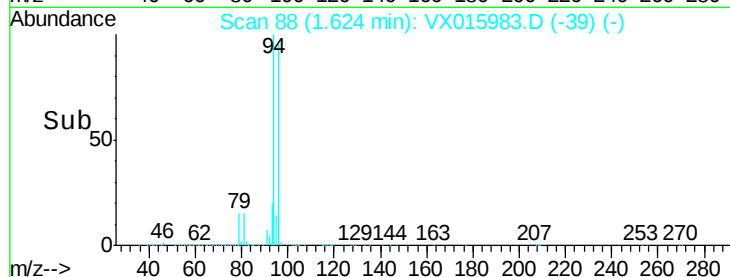
60000

40000

20000

0

Time--> 1.50 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 52.647 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX015983.D

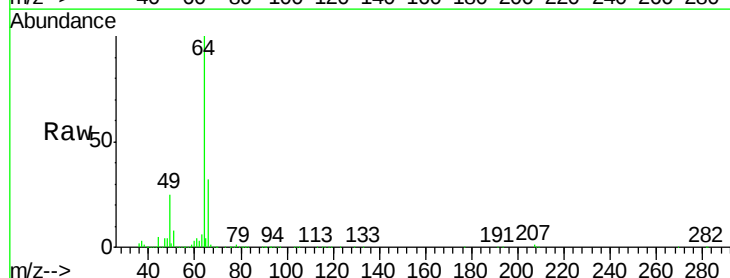
Acq: 29 Apr 2020 17:33

Tgt Ion: 64 Resp: 108798

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

100000

80000

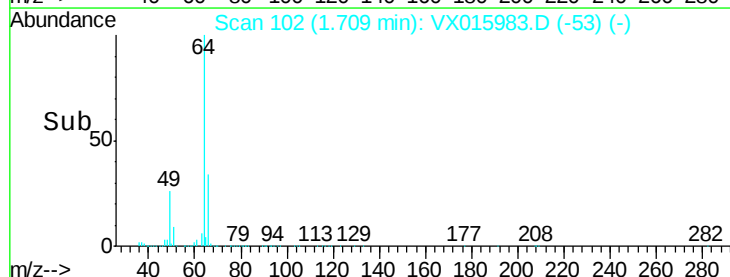
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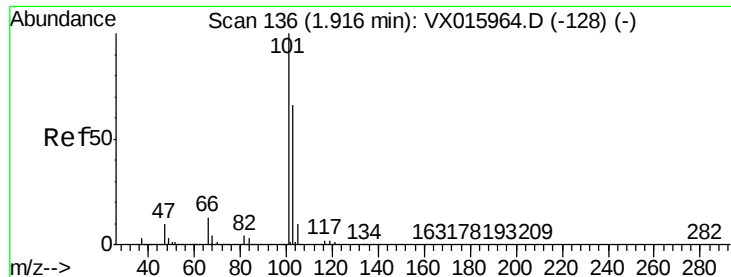
40000

20000

0

Time--> 1.60 1.70 1.80





#7

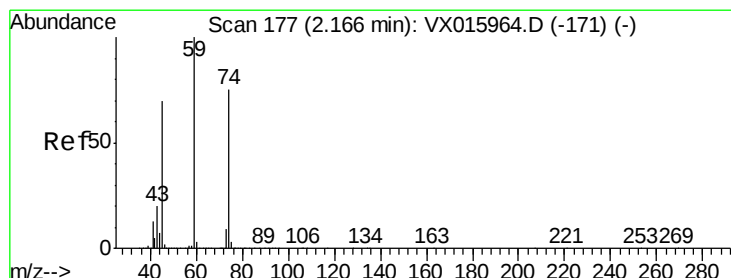
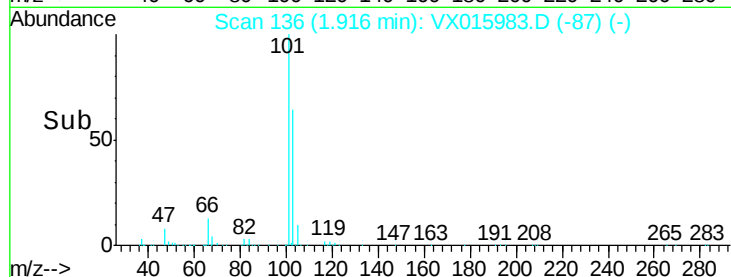
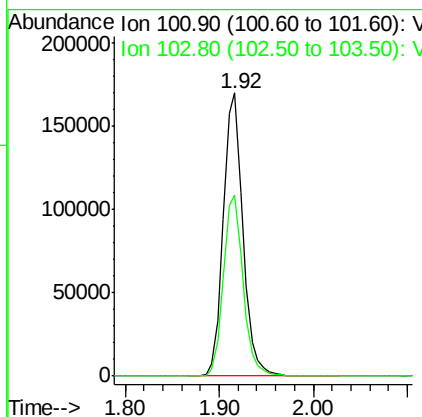
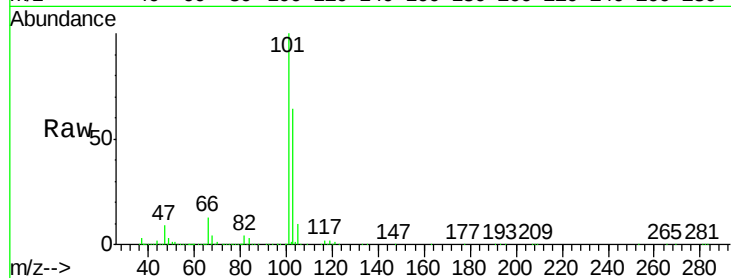
Trichlorofluoromethane
Concen: 52.022 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.4	78.6

Manual Integrations
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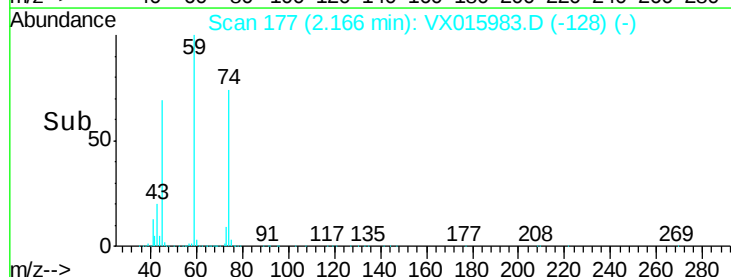
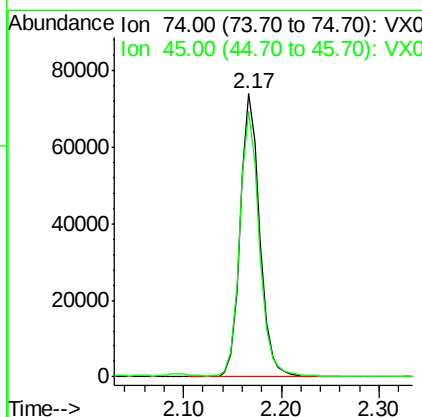
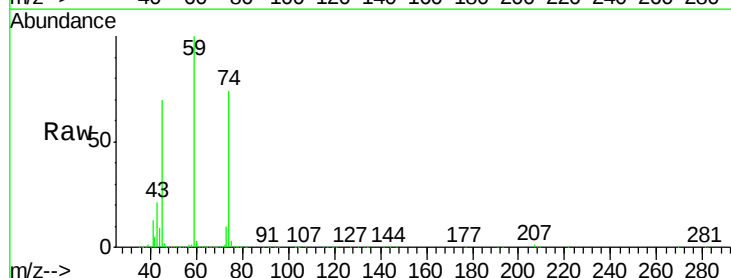
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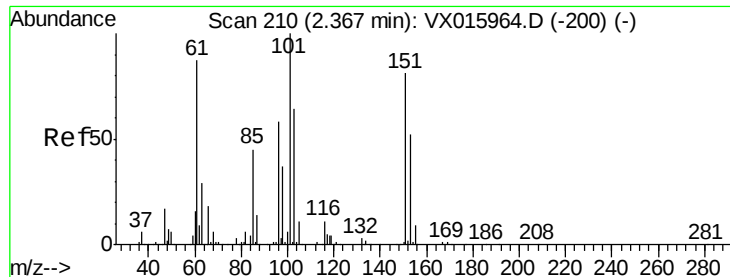


#8

Diethyl Ether
Concen: 52.010 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	47.1	141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.791 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

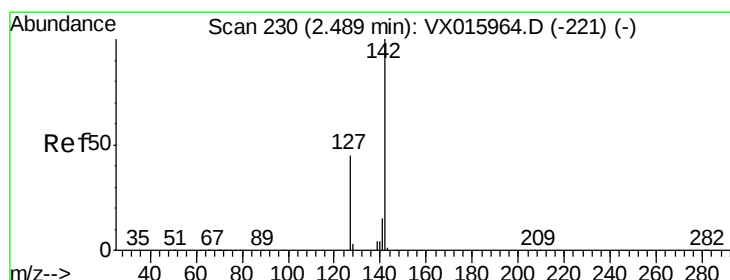
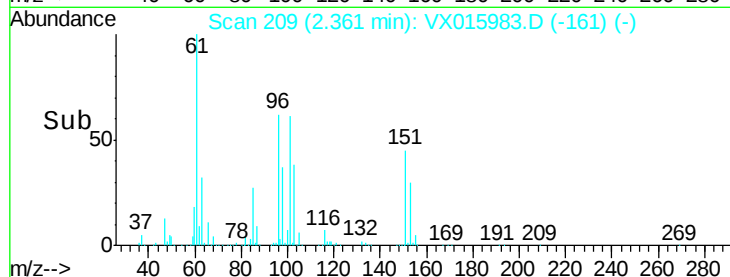
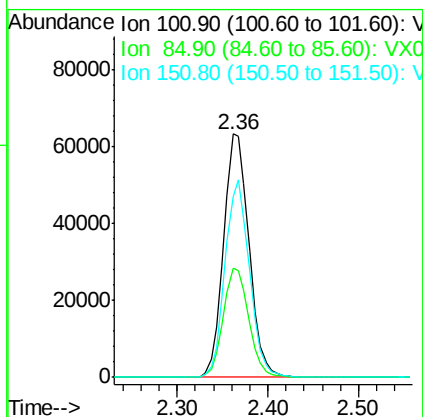
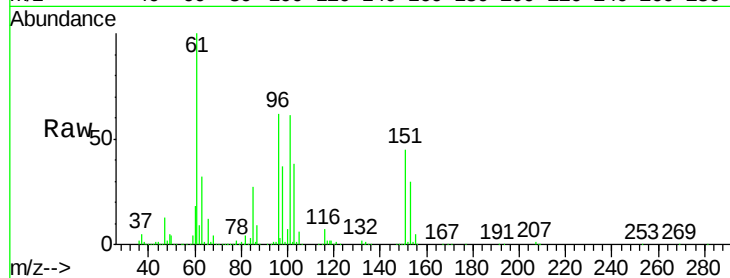
ClientSampled :

HW-7MS

Tot Ion:	101	Resp:	123568
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.3	54.5
151	77.9	63.1	94.7

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#10

Methyl Iodide

Concen: 51.403 ug/l

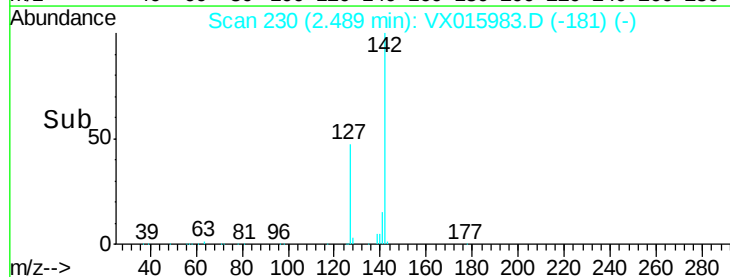
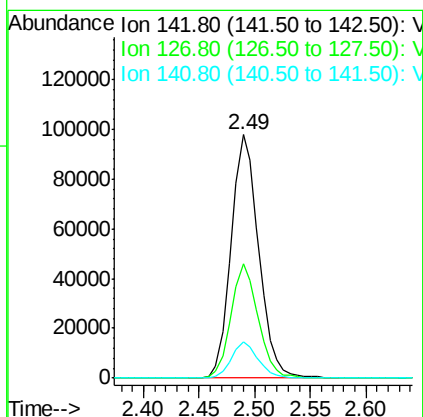
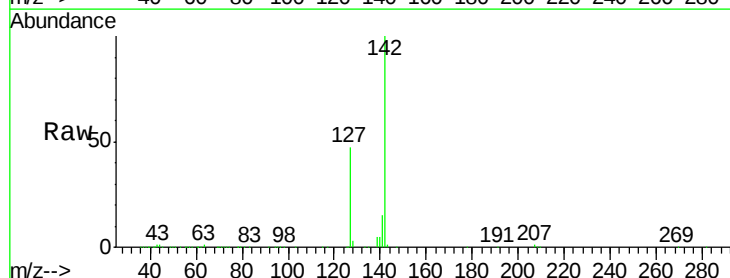
RT: 2.49 min Scan# 230

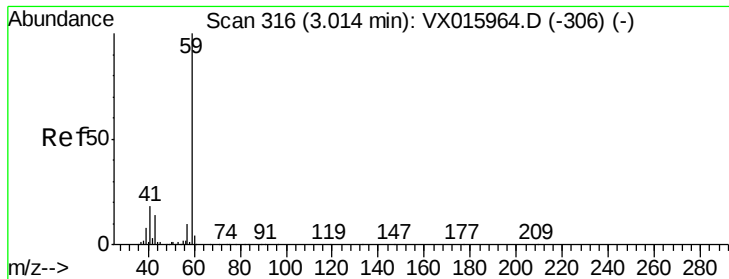
Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Tgt Ion:	142	Resp:	167844
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.5	54.7
141	14.4	11.6	17.4





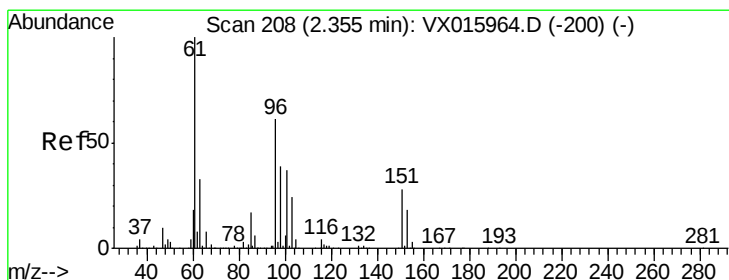
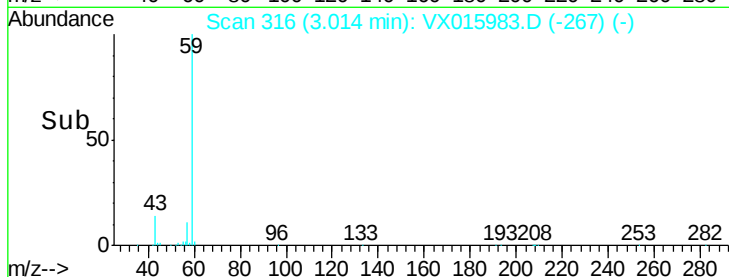
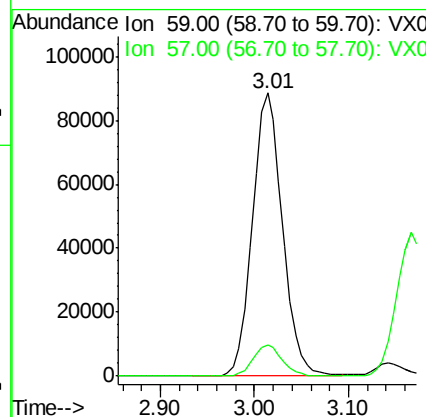
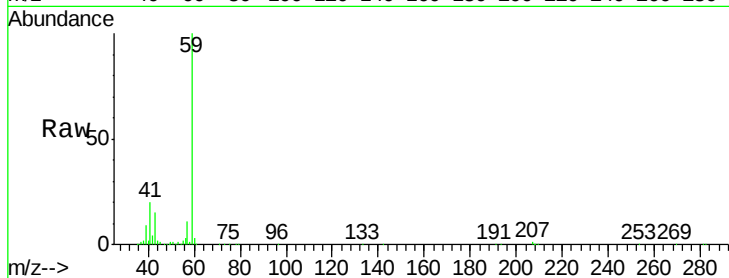
#11
Tert butyl alcohol
Concen: 247.952 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.3	12.5

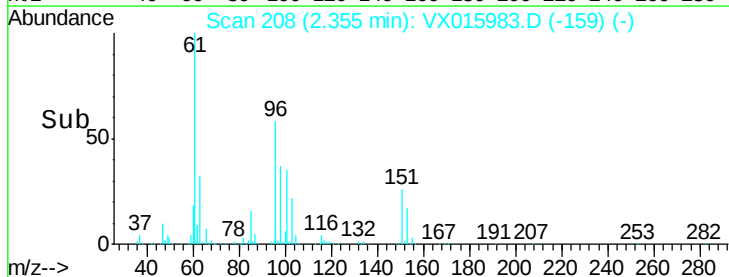
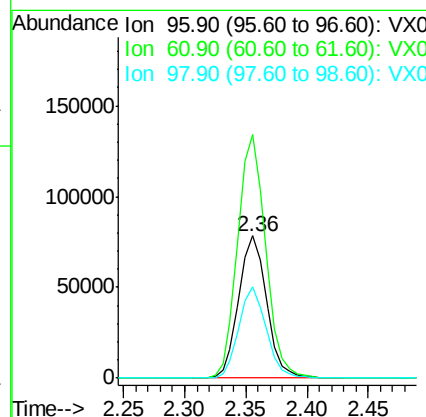
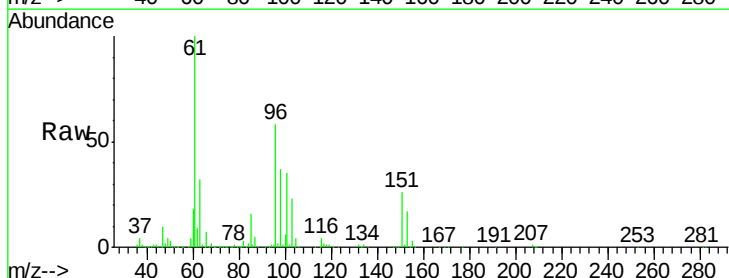
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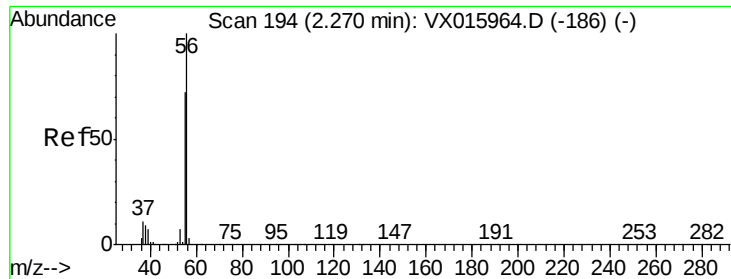
MMDadoda
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#12
1,1-Dichloroethene
Concen: 51.454 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.2	131.0	196.4
98	63.9	50.7	76.1





#13

Acrolein

Concen: 295.948 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 56 Resp: 59543

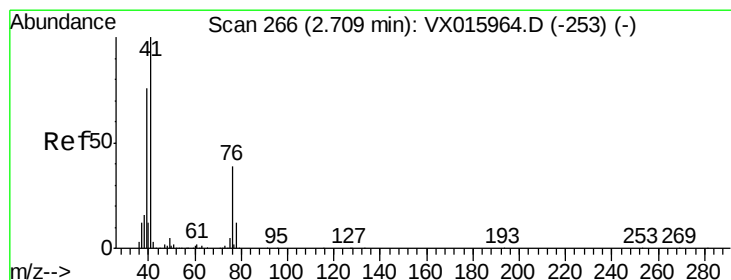
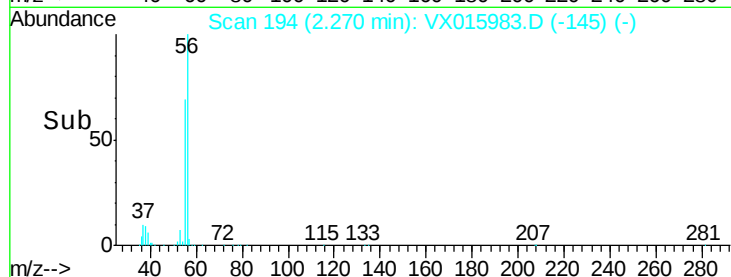
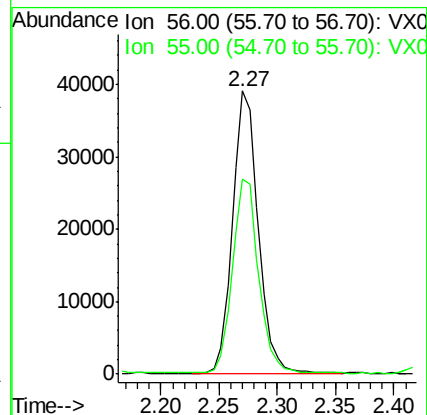
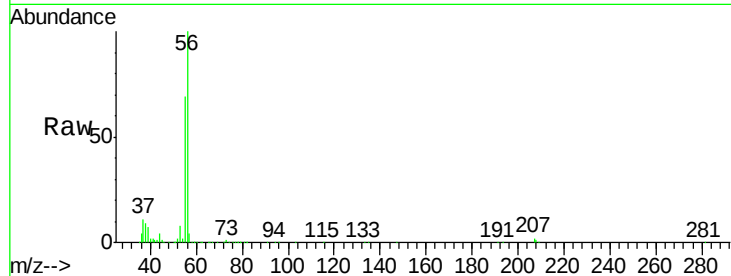
Ion Ratio Lower Upper

56 100

55 70.6 56.9 85.3

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#14

Allyl chloride

Concen: 53.409 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

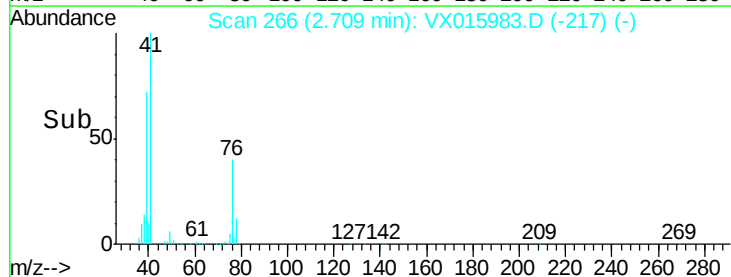
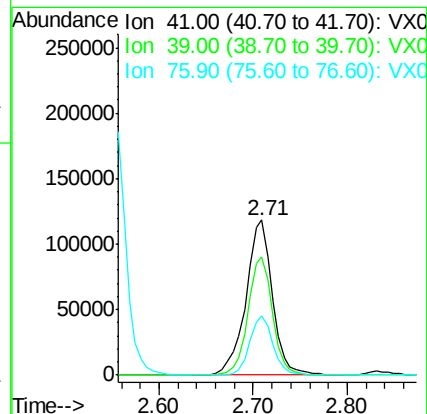
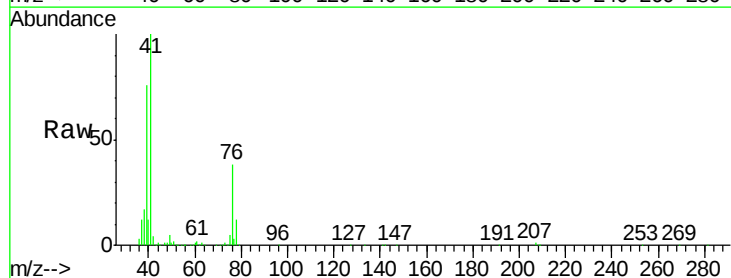
Tgt Ion: 41 Resp: 232431

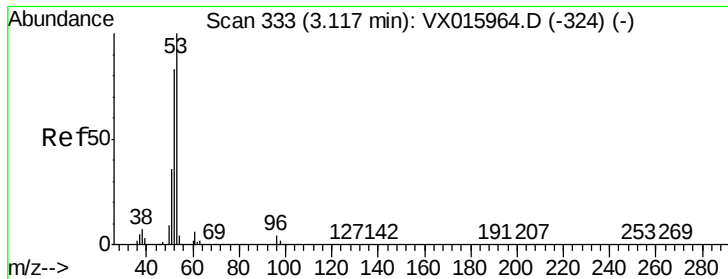
Ion Ratio Lower Upper

41 100

39 70.2 55.4 83.0

76 33.8 27.1 40.7





#15

Acrylonitrile

Concen: 270.116 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

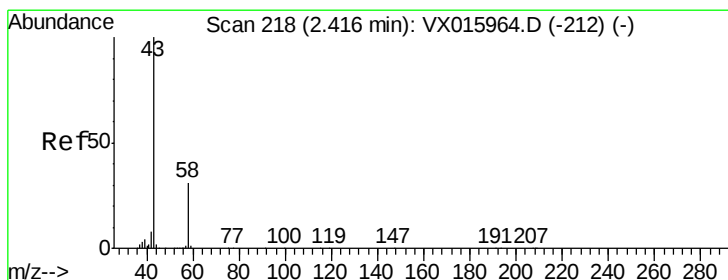
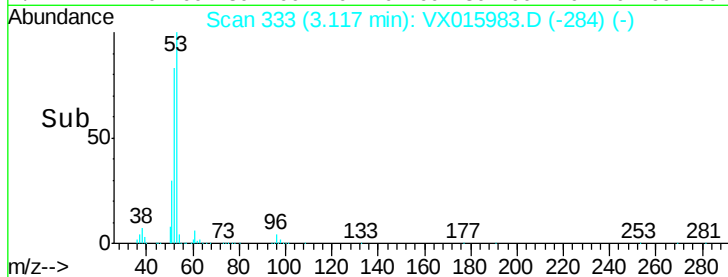
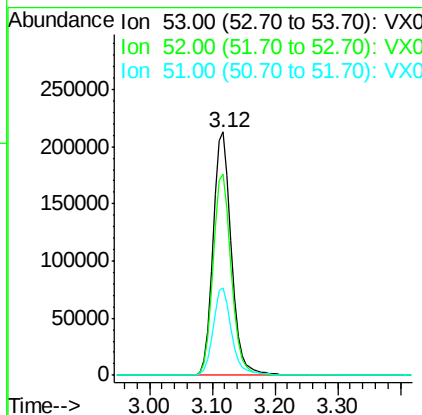
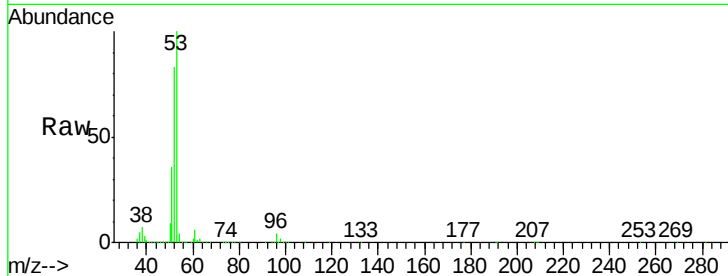
ClientSampleId :

HW-7MS

Tot Ion:	53	Resp:	428782
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.5	98.3
51	36.0	28.7	43.1

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#16

Acetone

Concen: 271.789 ug/l

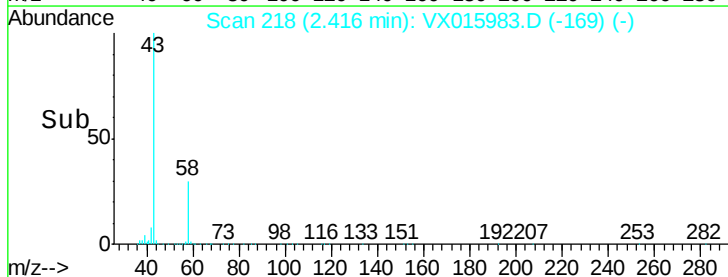
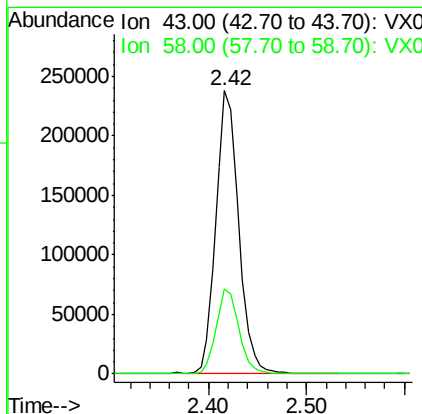
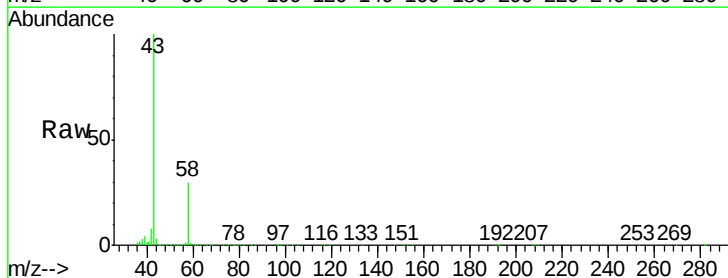
RT: 2.42 min Scan# 218

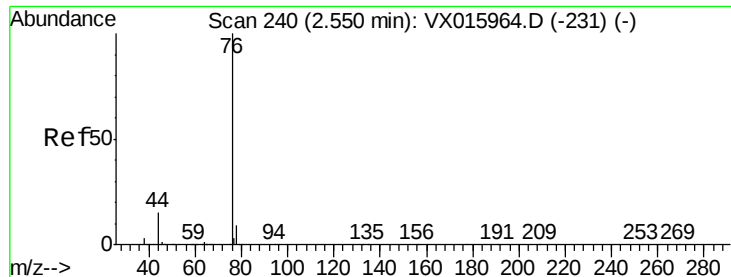
Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Tgt Ion:	43	Resp:	383309
Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.1	37.7





#17

Carbon Disulfide

Concen: 51.296 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampled :

HW-7MS

Tot Ion: 76 Resp: 361126

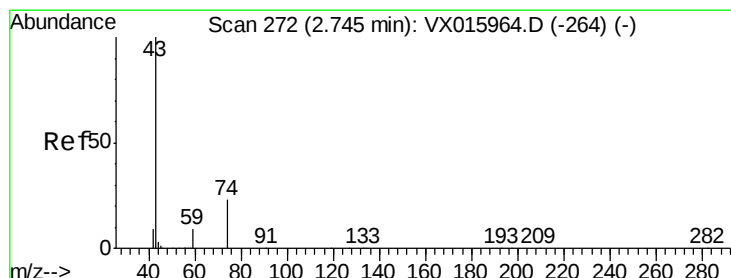
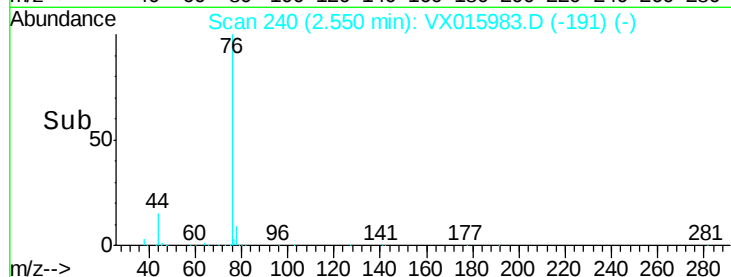
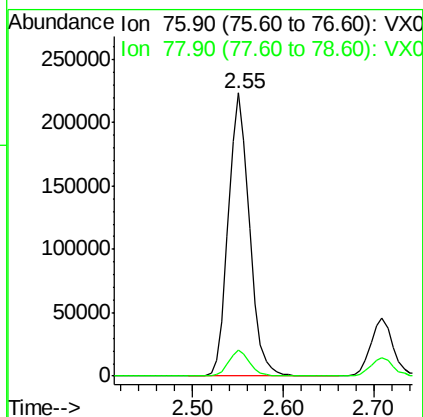
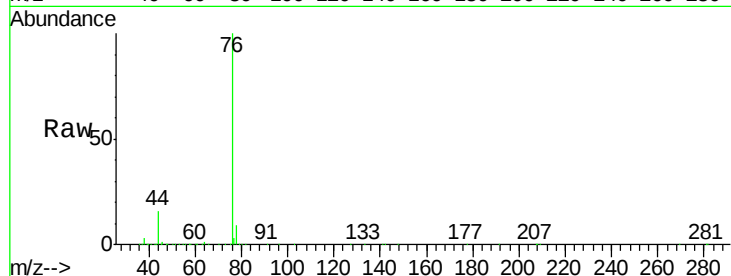
Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

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#18

Methyl Acetate

Concen: 51.182 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX015983.D

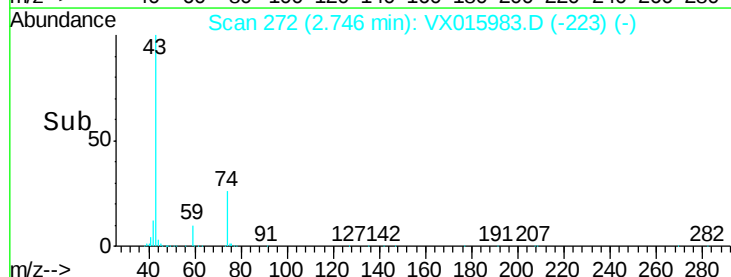
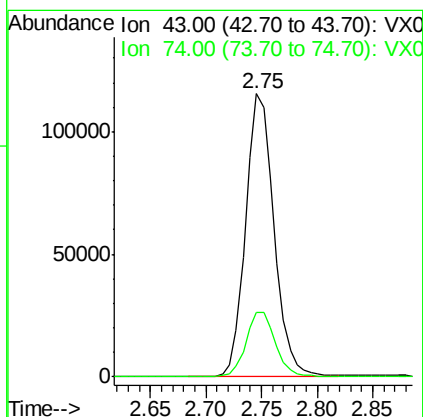
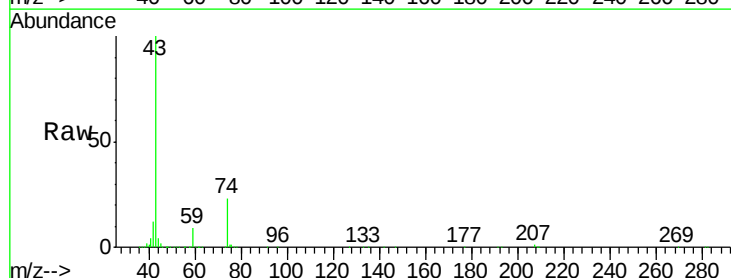
Acq: 29 Apr 2020 17:33

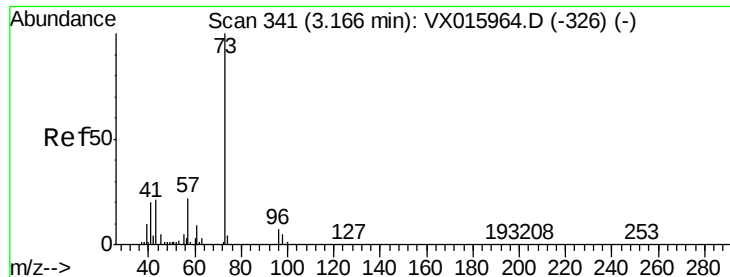
Tgt Ion: 43 Resp: 204834

Ion Ratio Lower Upper

43 100

74 24.1 19.6 29.4





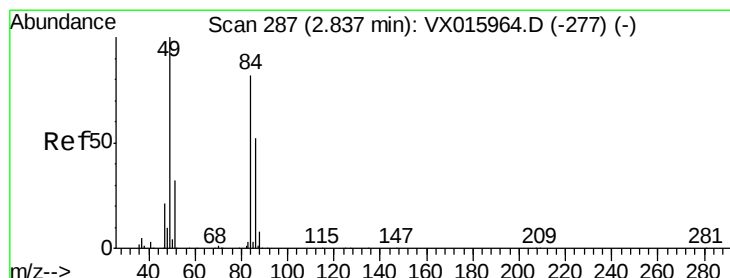
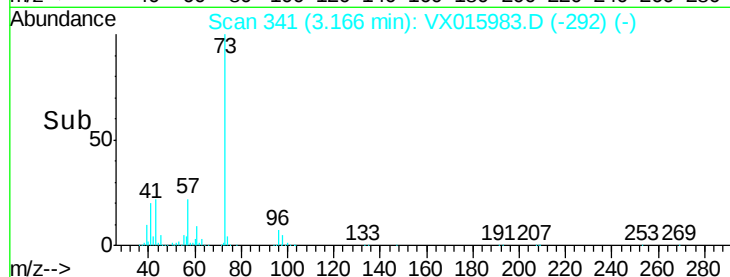
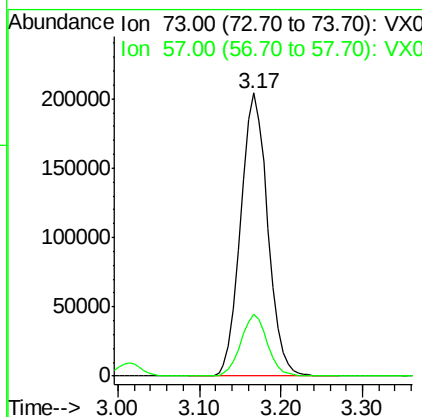
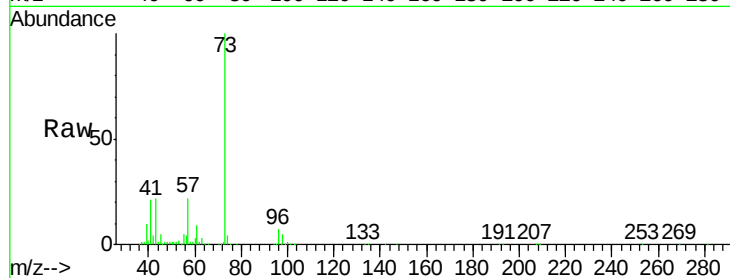
#19
Methvl tert-butvl Ether
Concen: 53.644 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	73	Resp	468263
Ion Ratio	100	Lower	Upper
73	100		
57	22.0	17.5	26.3

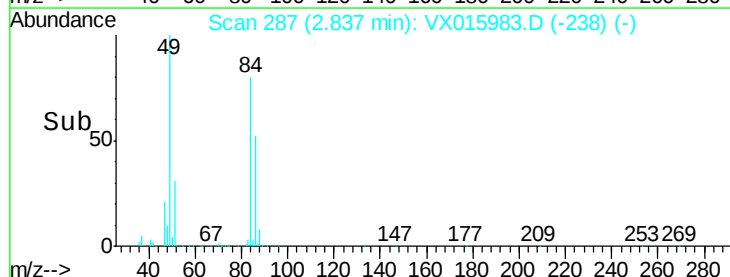
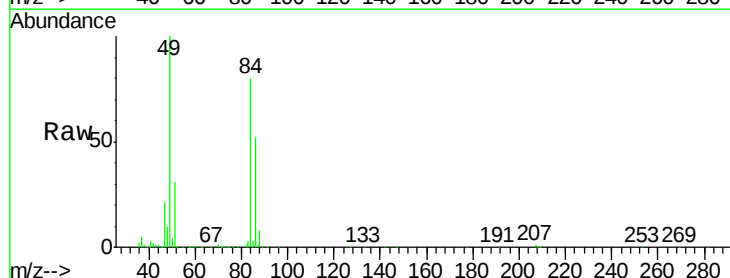
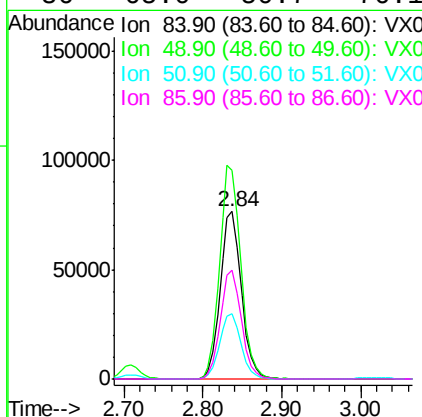
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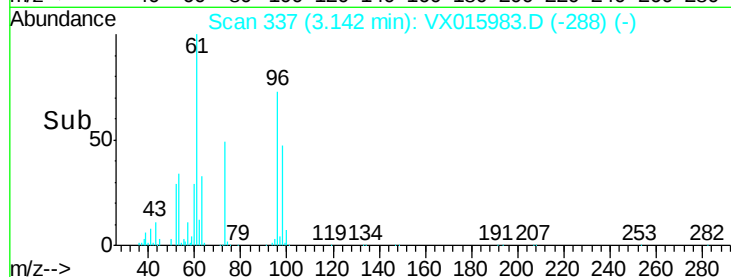
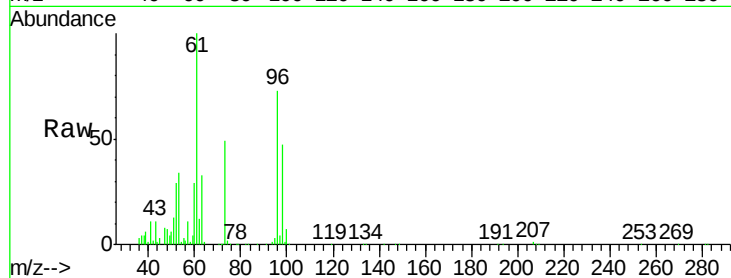
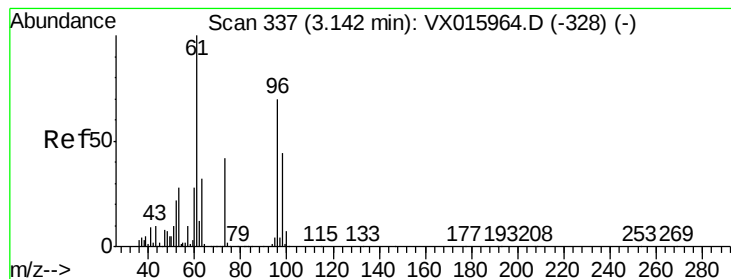
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#20
Methylene Chloride
Concen: 51.203 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	84	Resp	142951
Ion Ratio	100	Lower	Upper
84	100		
49	124.9	97.9	146.9
51	38.7	31.2	46.8
86	65.0	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 50.460 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015983.D

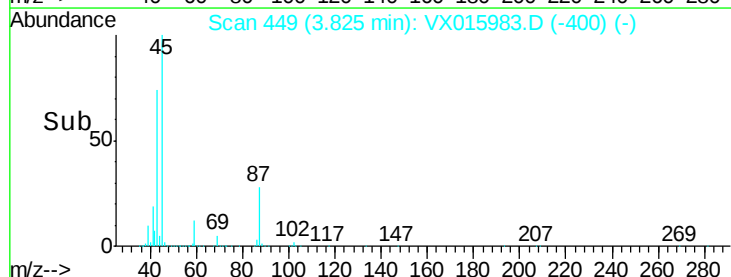
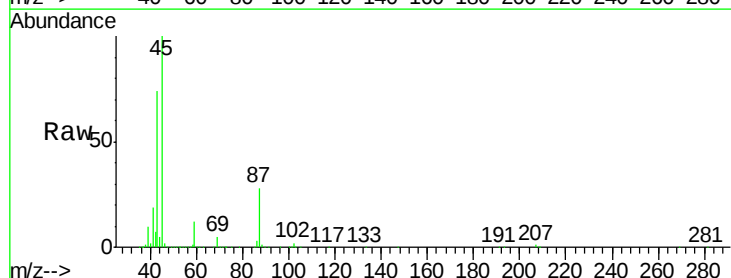
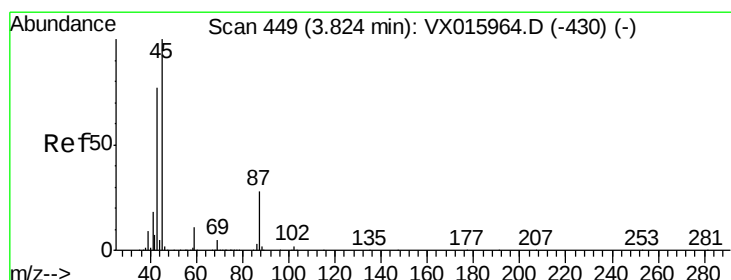
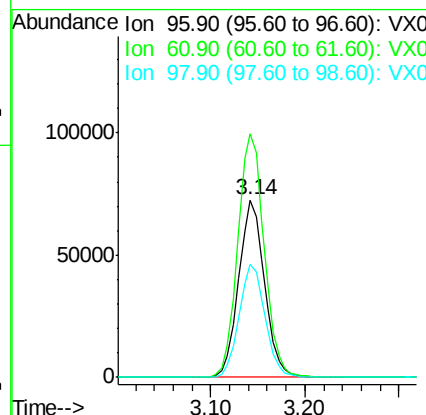
Acq: 29 Apr 2020 17:33

Tot Ion:	96	Resp:	137250
Ion Ratio	Lower	Upper	
96	100		
61	137.6	113.6	170.4
98	64.2	50.3	75.5

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.847 ug/l

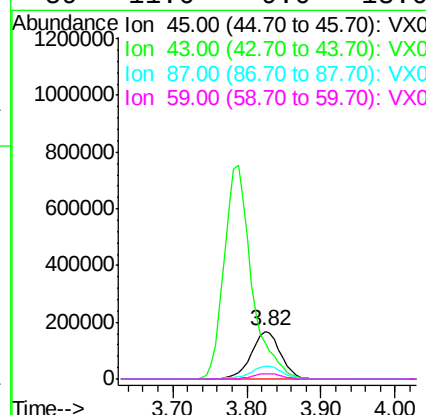
RT: 3.82 min Scan# 449

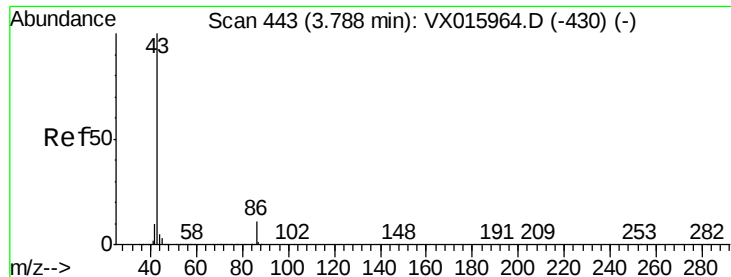
Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Tgt Ion:	45	Resp:	460707
Ion Ratio	Lower	Upper	
45	100		
43	73.5	61.3	91.9
87	27.8	22.6	33.8
59	11.6	9.0	13.6





#23

Vinyl Acetate

Concen: 261.254 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 43 Resp: 1941704

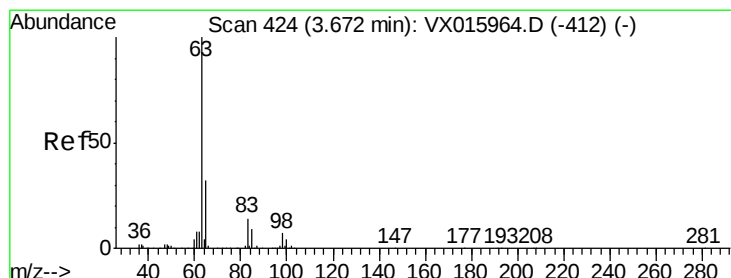
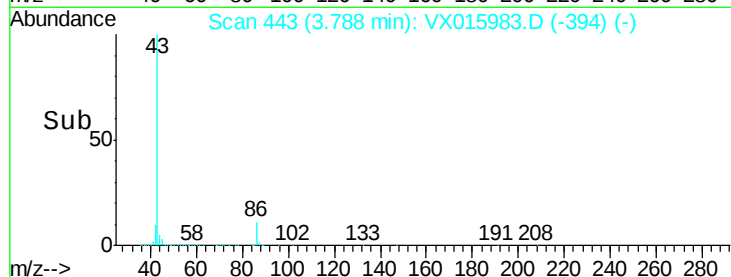
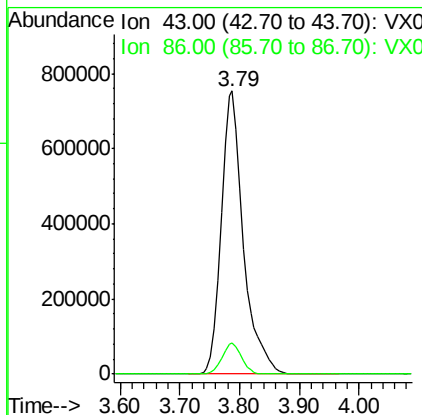
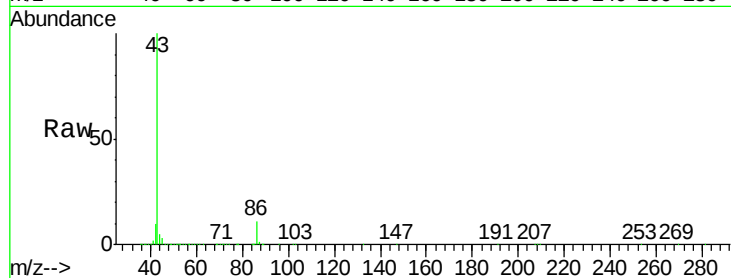
Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 54.000 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

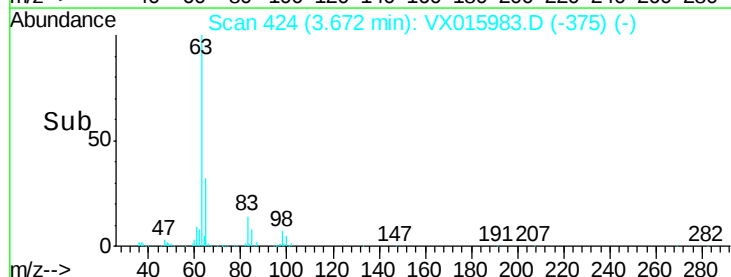
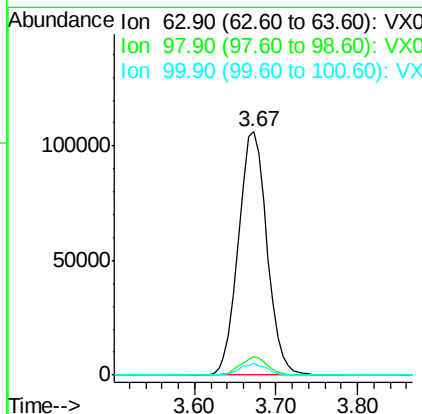
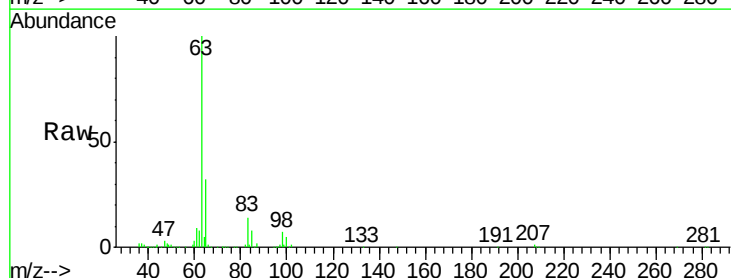
Tgt Ion: 63 Resp: 257373

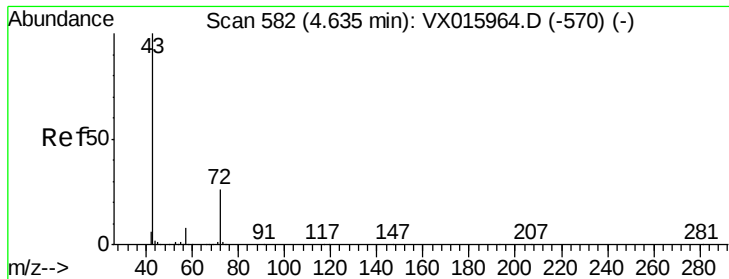
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 5.0 2.2 6.6





#25

2-Butanone

Concen: 269.532 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 43 Resp: 615988

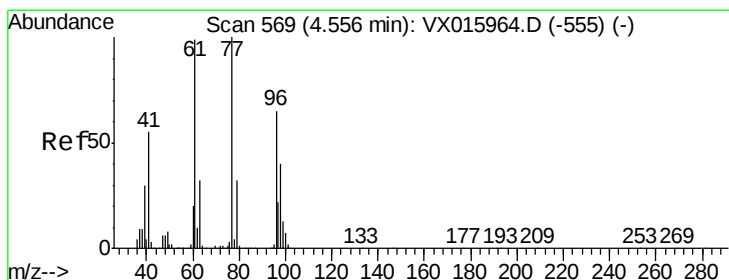
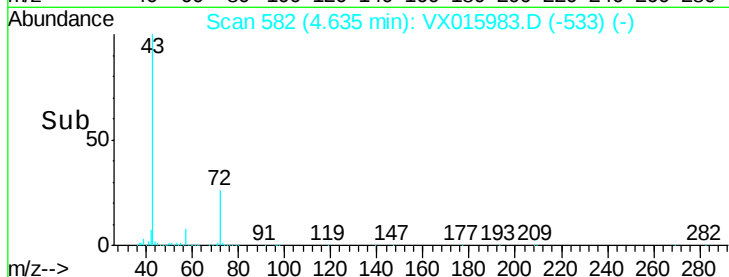
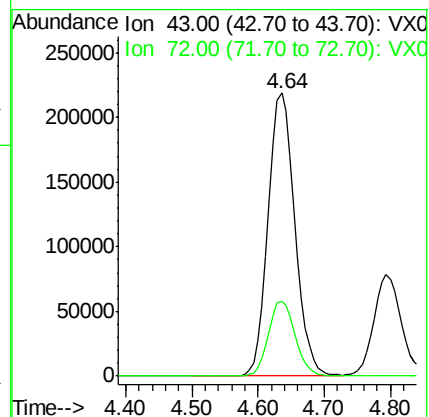
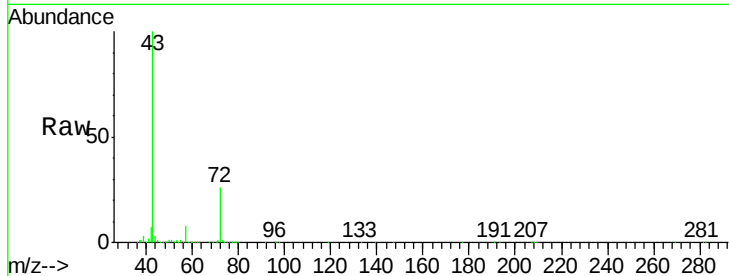
Ion Ratio Lower Upper

43 100

72 26.4 21.0 31.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 49.516 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.00 min

Lab File: VX015983.D

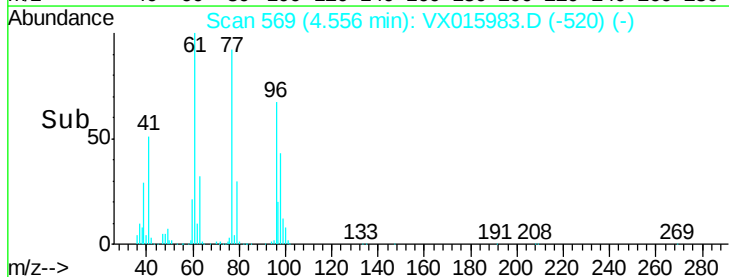
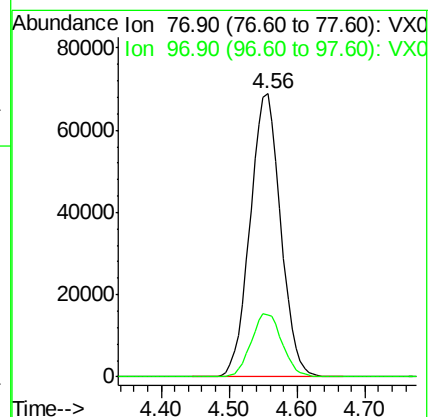
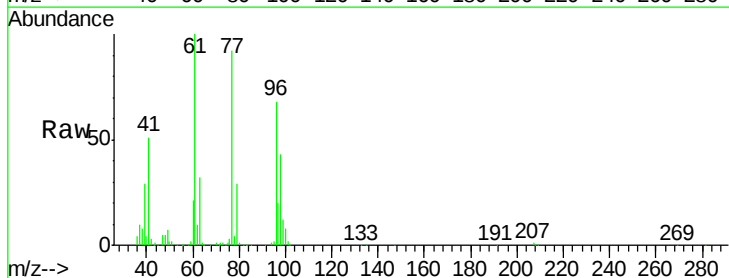
Acq: 29 Apr 2020 17:33

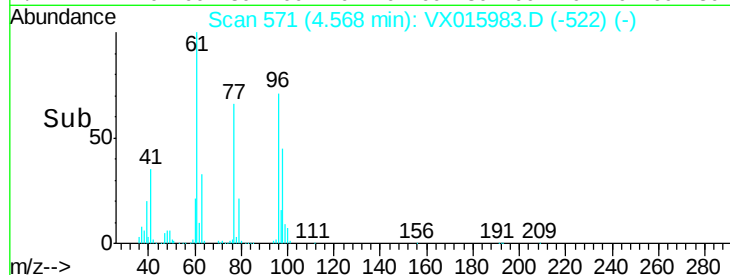
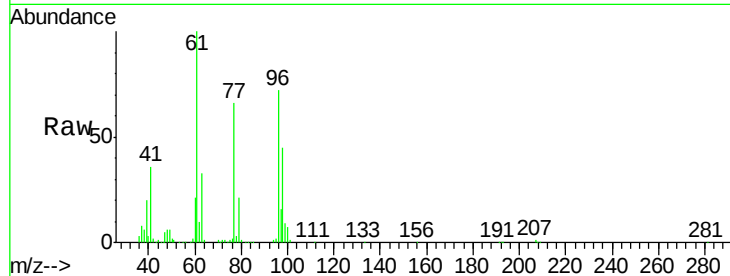
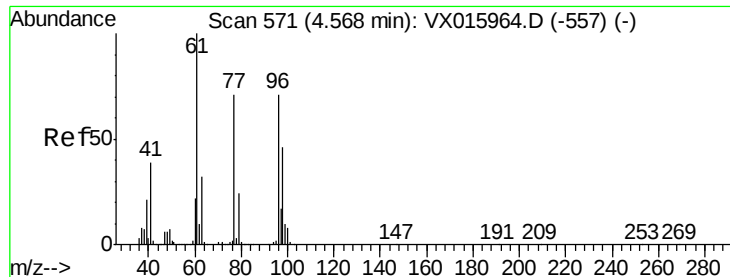
Tgt Ion: 77 Resp: 215782

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3





#27

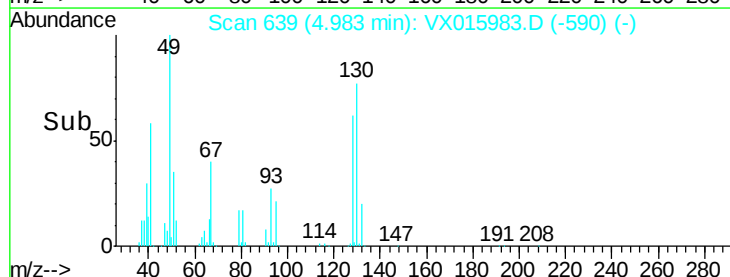
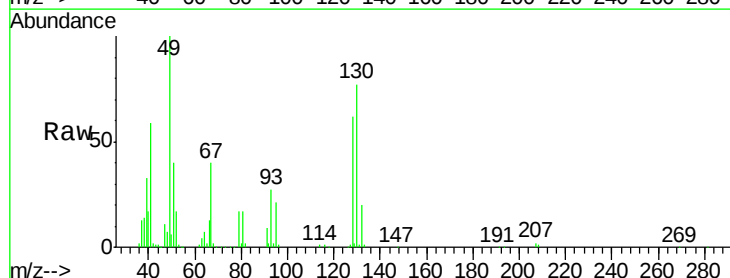
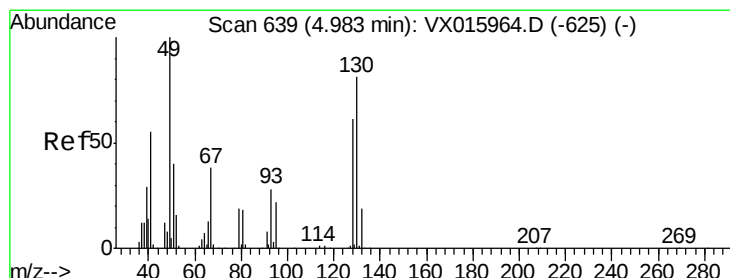
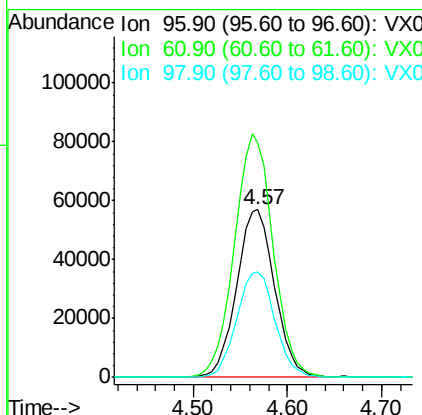
cis-1,2-Dichloroethene
Concen: 51.722 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.5	0.0	294.2	
98	64.2	0.0	127.4	

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Manual Integrations
APPROVED

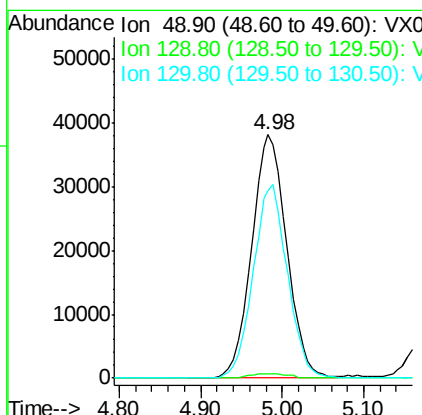
MMDadoda
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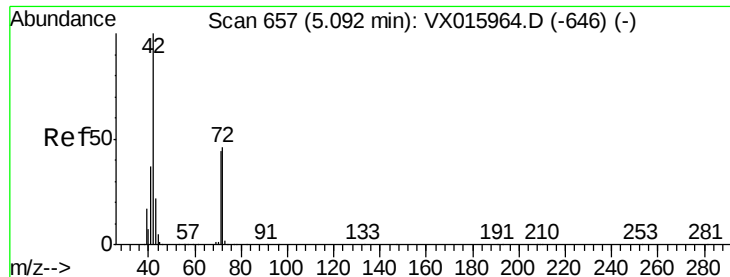


#28

Bromochloromethane
Concen: 49.462 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.6	
130	77.7	63.9	95.9	





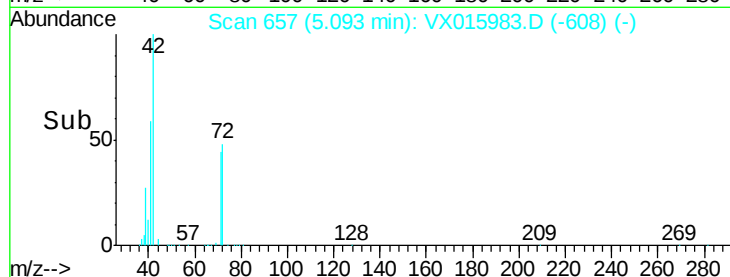
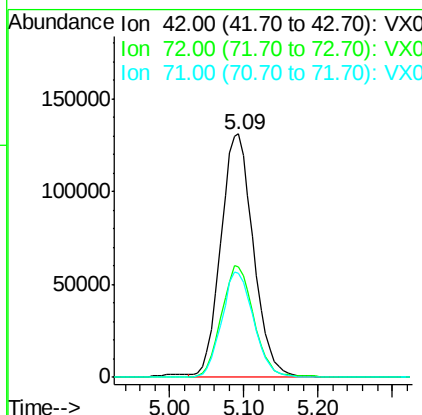
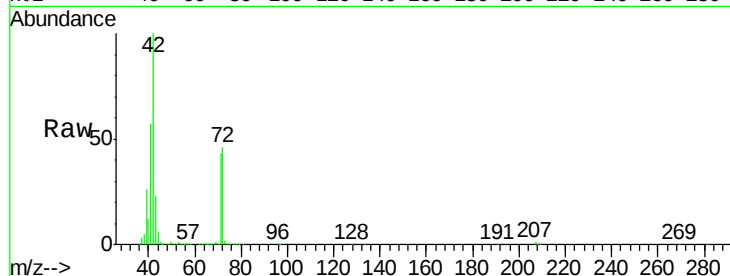
#29
Tetrahydrofuran
Concen: 265.311 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.4	56.0
71	42.9	34.6	52.0

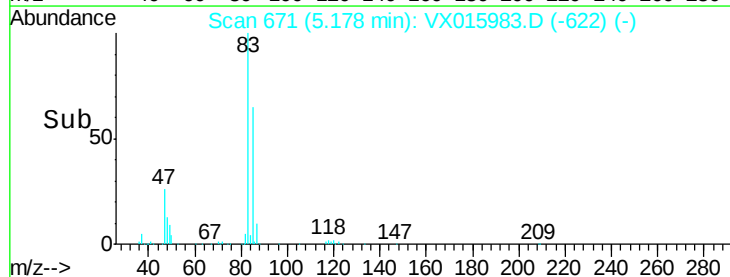
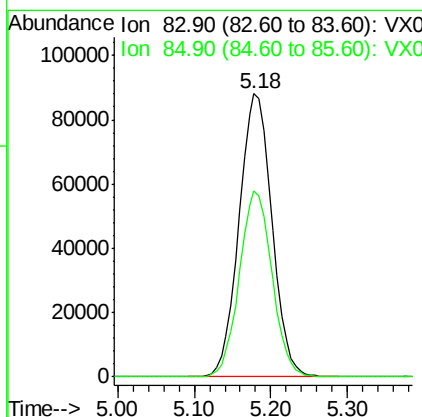
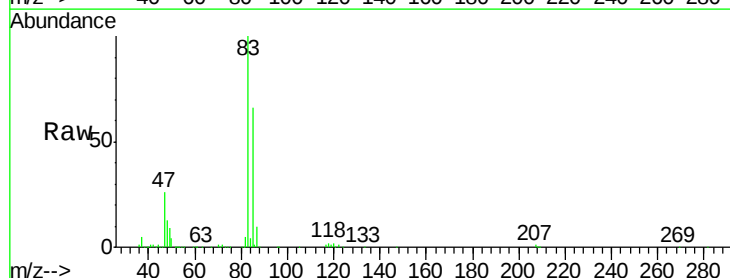
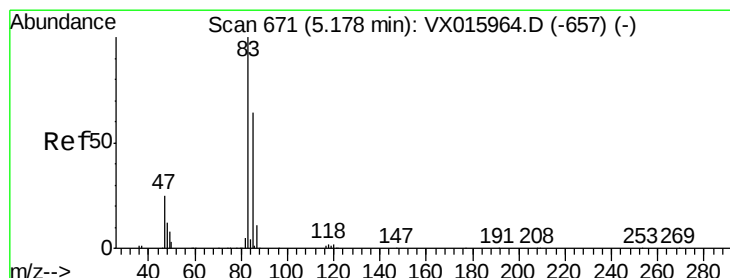
Manual Integrations
APPROVED

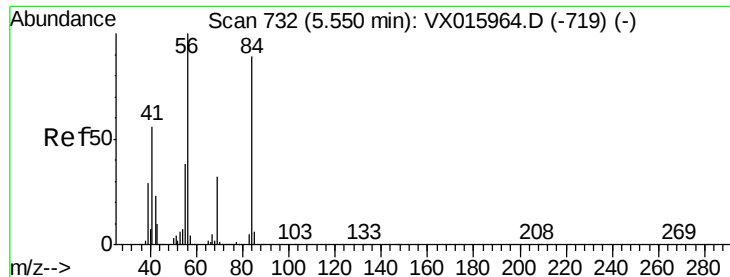
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#30
Chloroform
Concen: 53.144 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.0	76.4





#31

Cyclohexane

Concen: 53.227 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

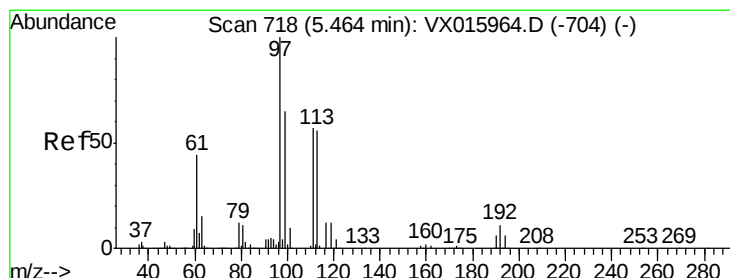
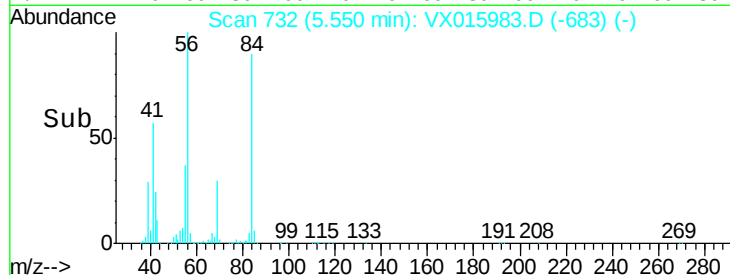
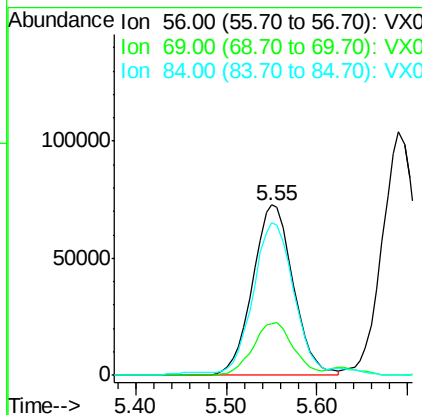
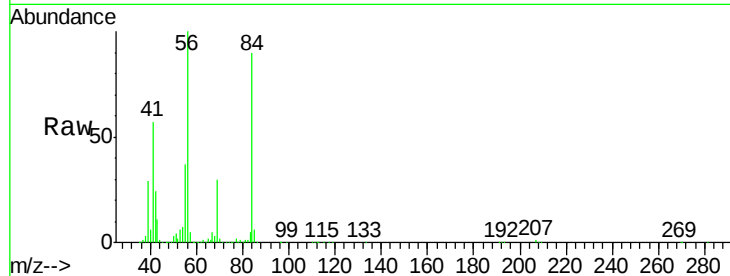
ClientSampled :

HW-7MS

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.1	25.4	38.2	
84	88.0	71.0	106.6	

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 52.678 ug/l

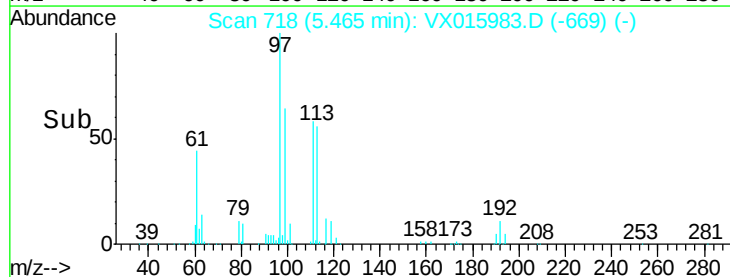
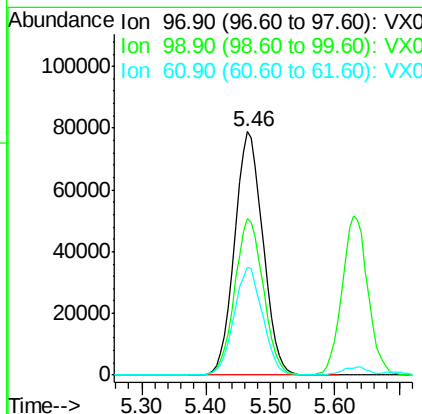
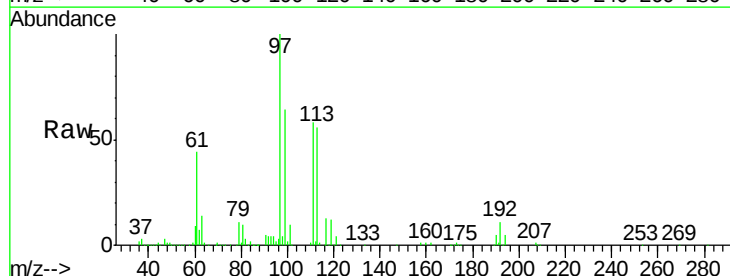
RT: 5.46 min Scan# 718

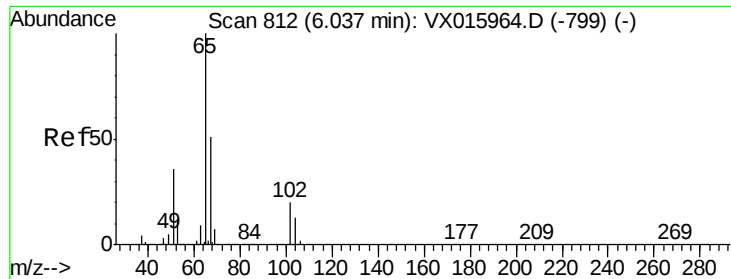
Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.4	51.4	77.0	
61	44.7	35.7	53.5	





#33

1,2-Dichloroethane-d4

Concen: 50.075 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 65 Resp: 165152

Ion Ratio Lower Upper

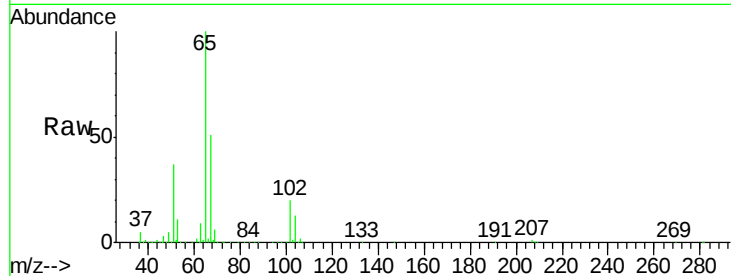
65 100

67 52.0 0.0 102.4

Manual Integrations
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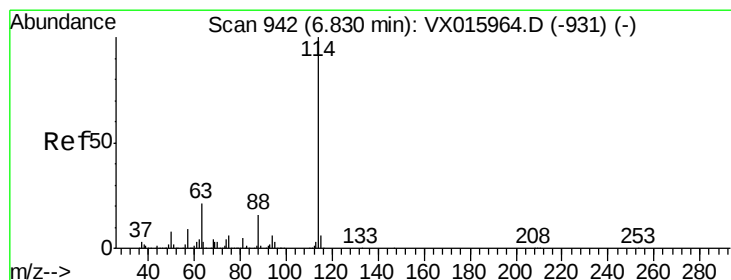
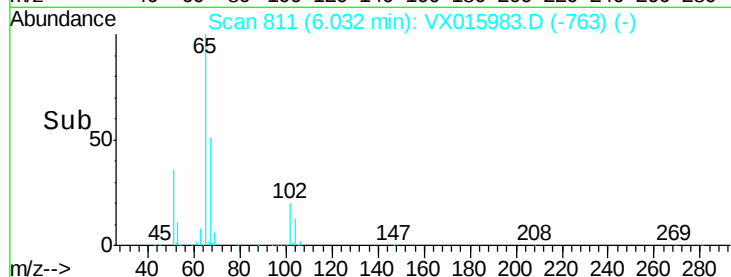
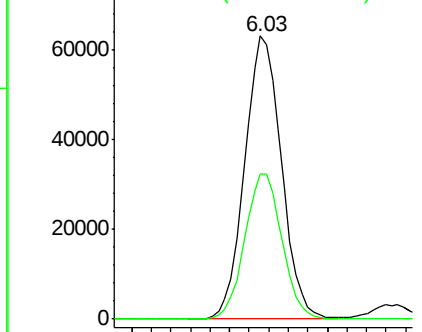
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

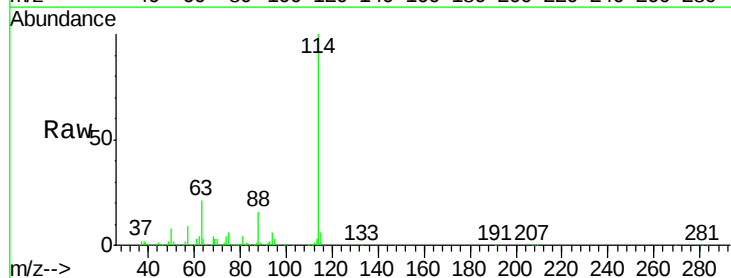
Tgt Ion: 114 Resp: 417552

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.2

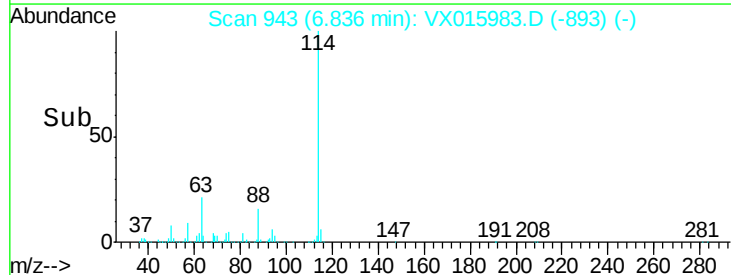
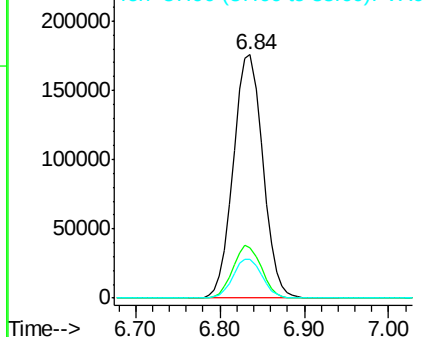
88 15.8 0.0 31.8

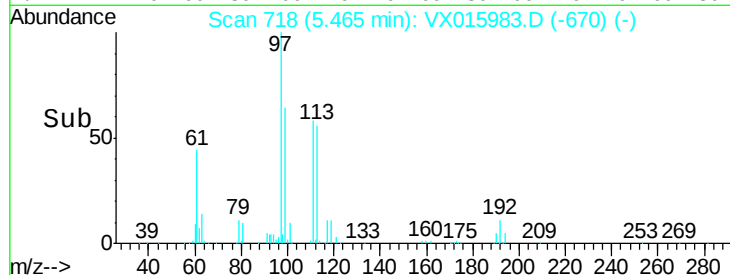
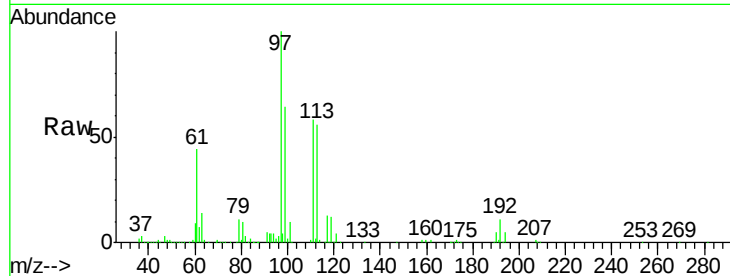
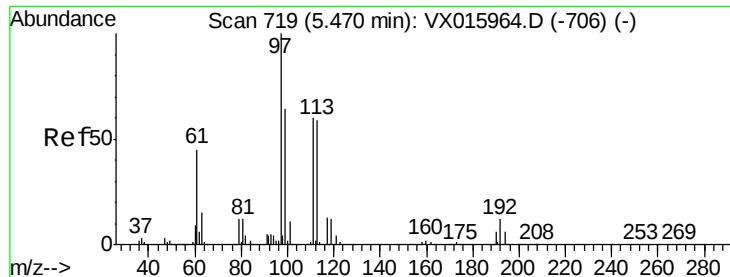


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





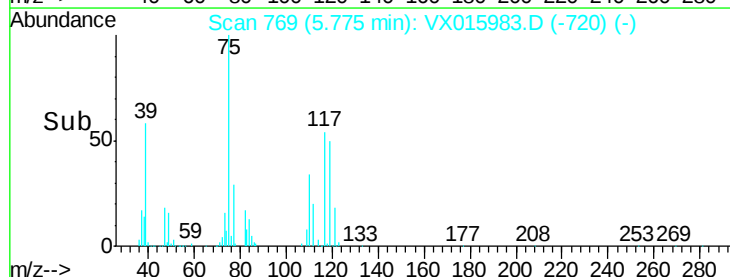
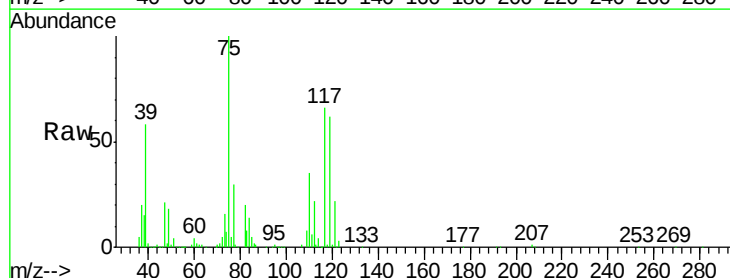
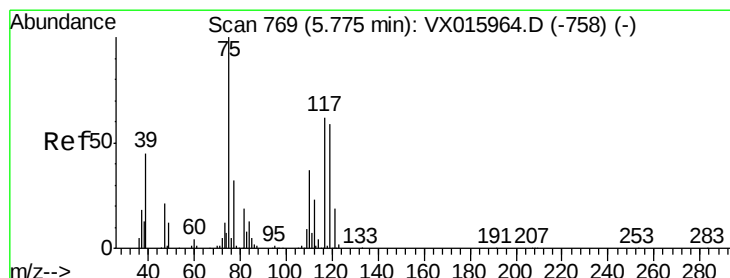
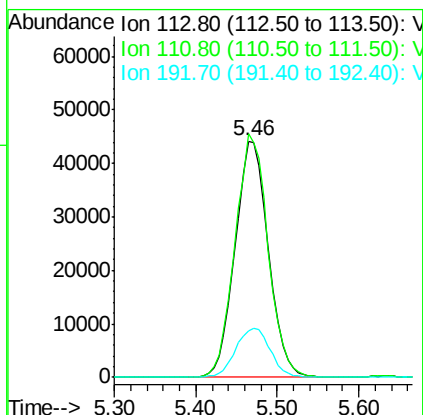
#35
Dibromofluoromethane
Concen: 47.925 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124831		
111	102.2	81.8	122.8	
192	21.5	16.8	25.2	

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

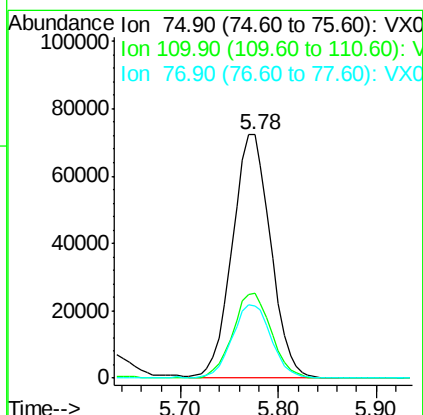
Manual Integrations
APPROVED

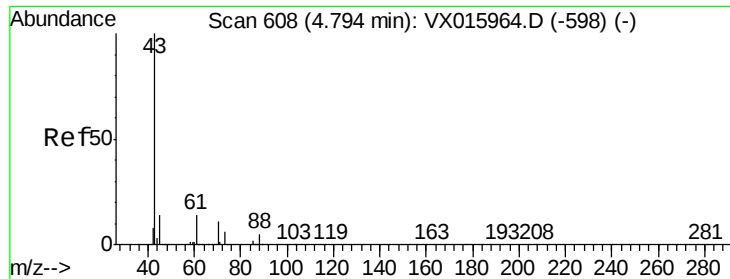
MMDadoda
4/30/2020 2:11:46 PM



#36
1,1-Dichloropropene
Concen: 49.283 ug/l
RT: 5.78 min Scan# 769
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	195994		
110	35.1	17.9	53.7	
77	30.8	25.2	37.8	





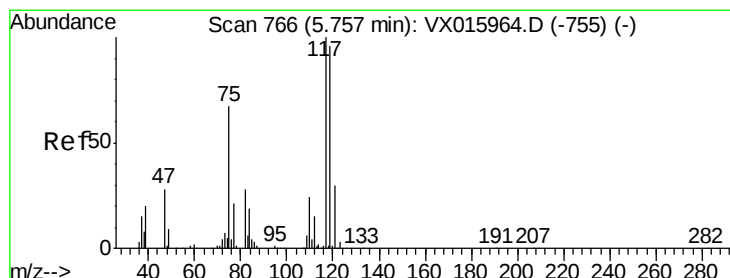
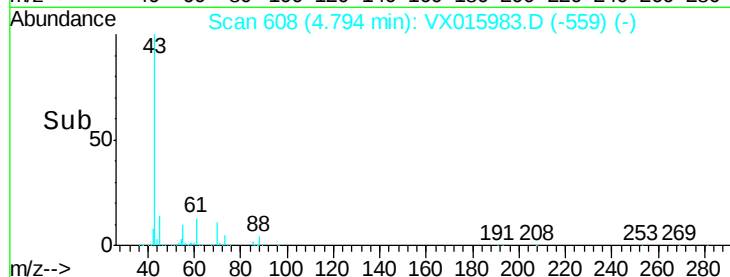
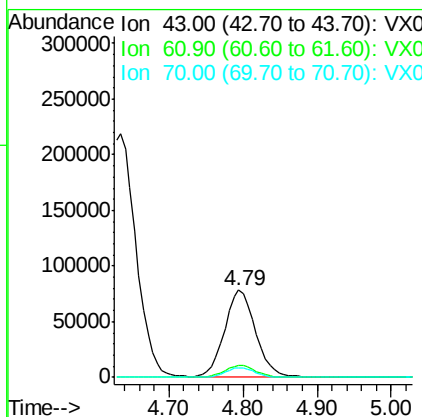
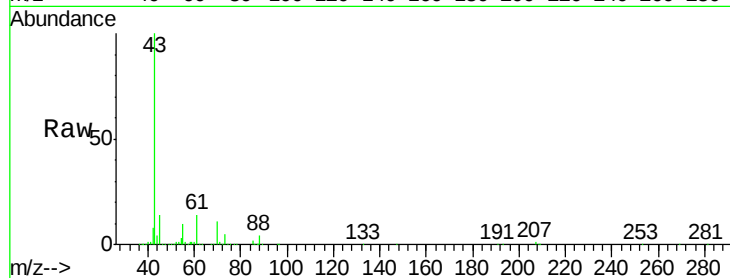
#37
Ethyl Acetate
Concen: 49.765 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	43	Resp	226941
Ion Ratio	Lower	Upper	
43	100		
61	13.6	11.6	17.4
70	10.8	8.9	13.3

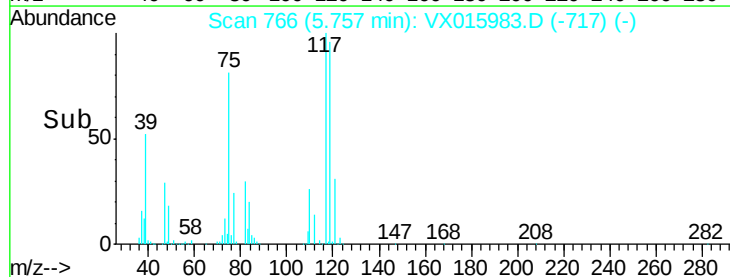
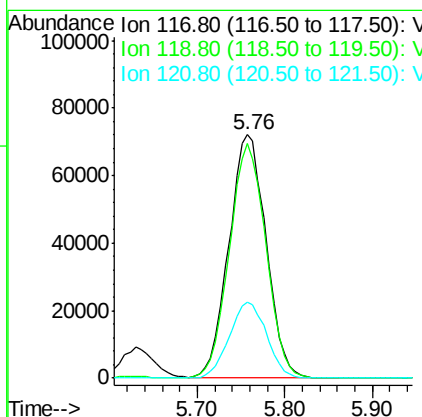
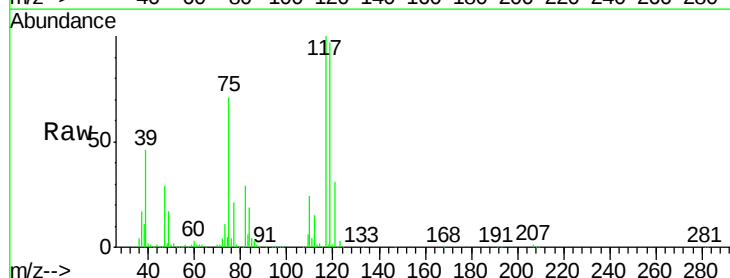
Manual Integrations
APPROVED

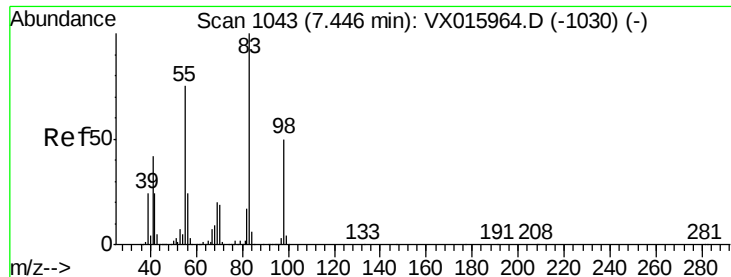
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#38
Carbon Tetrachloride
Concen: 50.658 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	117	Resp	212793
Ion Ratio	Lower	Upper	
117	100		
119	96.5	76.2	114.4
121	31.2	24.2	36.4





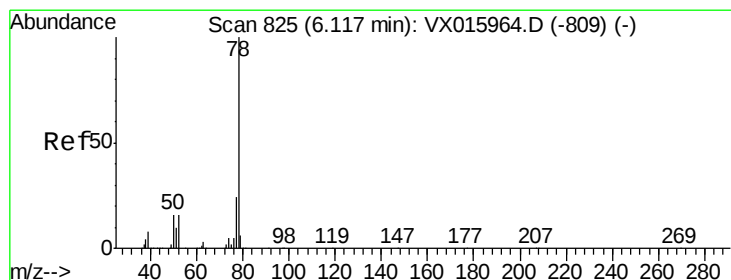
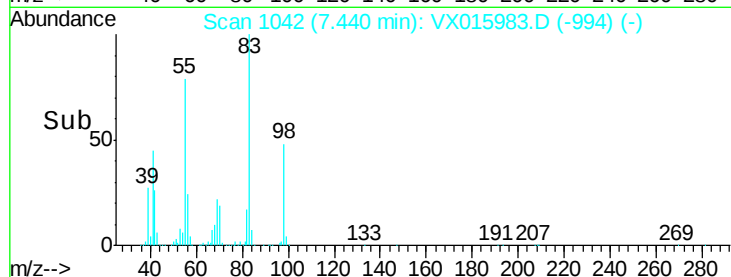
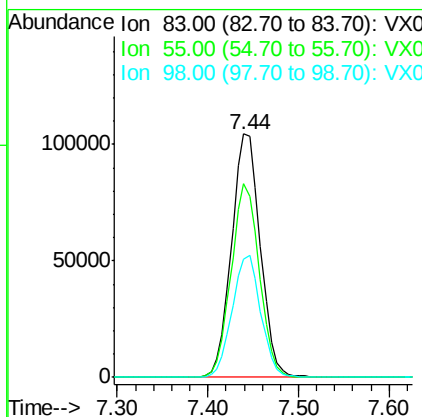
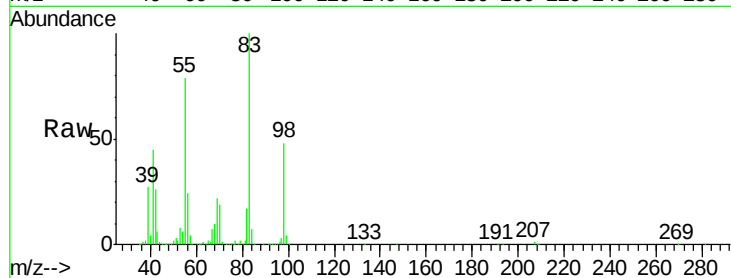
#39
Methvlcvclohexane
Concen: 50.068 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	59.9	89.9
98	48.5	39.9	59.9

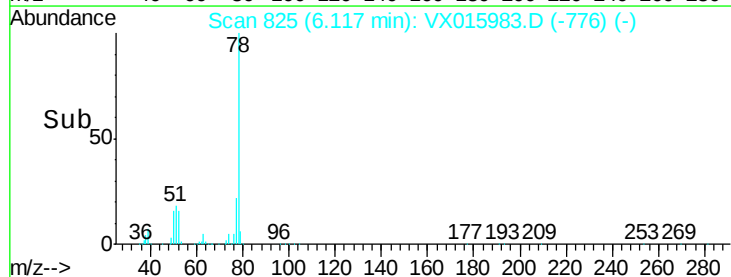
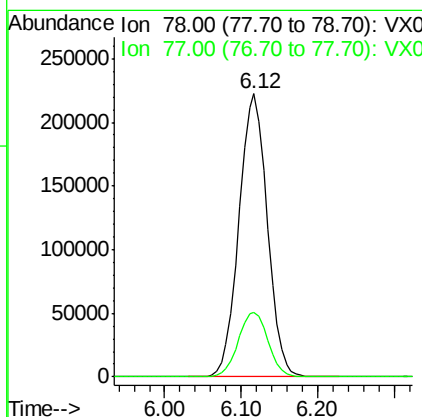
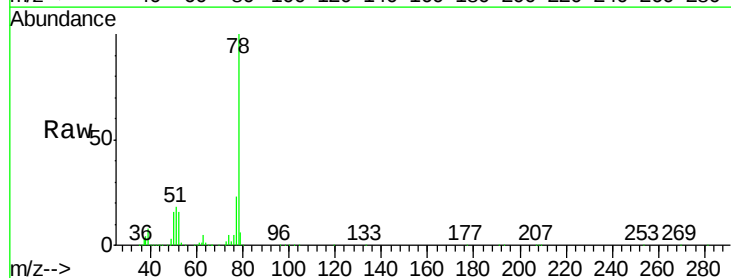
Manual Integrations
APPROVED

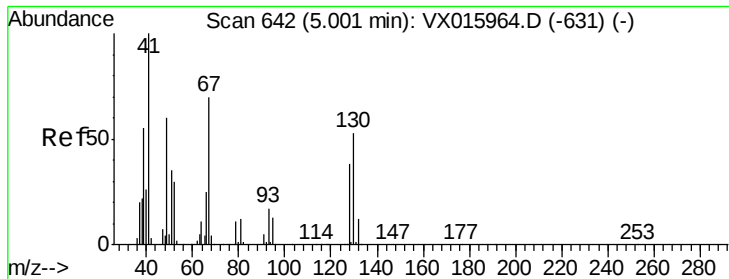
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#40
Benzene
Concen: 50.476 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





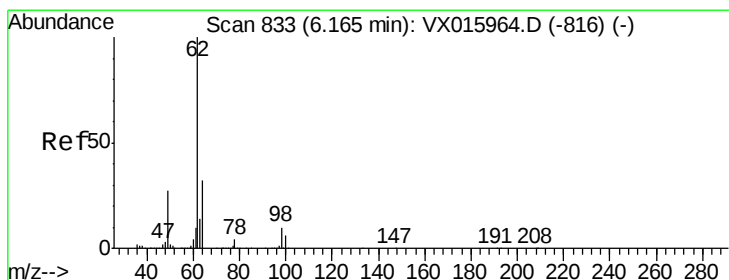
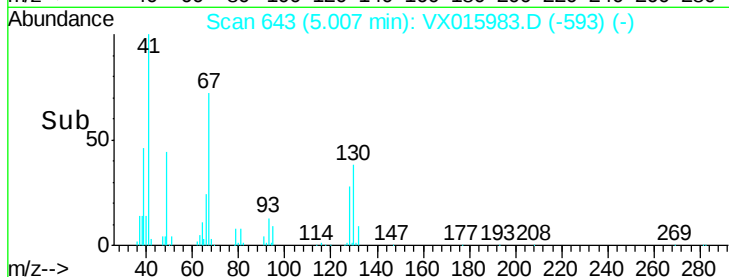
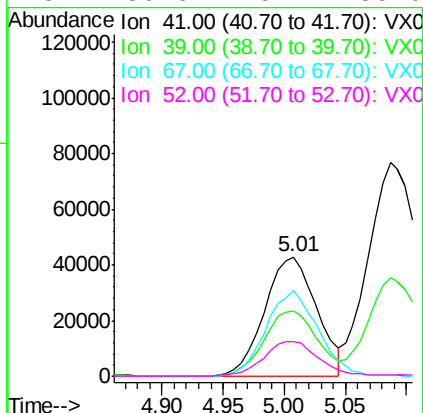
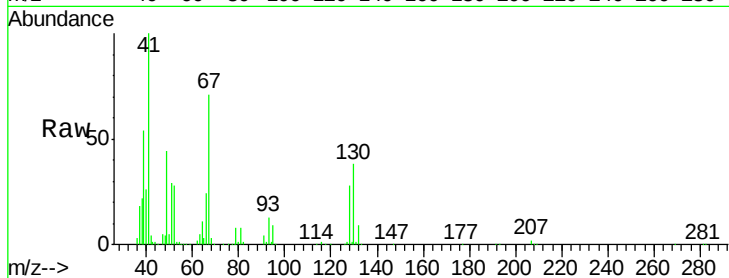
#41
Methacrylonitrile
Concen: 51.888 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	45.2	67.8	
67	72.2	59.4	89.2	
52	30.6	25.4	38.0	

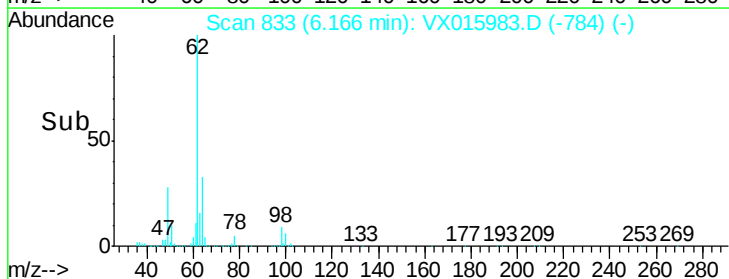
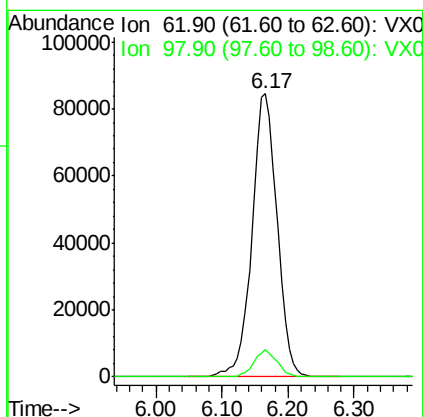
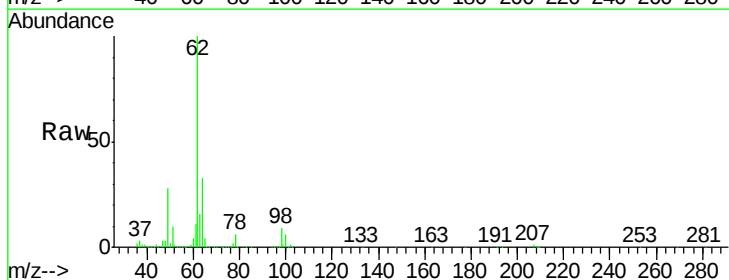
Manual Integrations
APPROVED

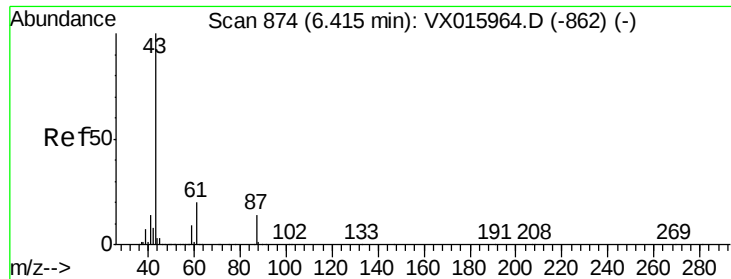
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#42
1,2-Dichloroethane
Concen: 51.012 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.4	





#43

Isopropyl Acetate

Concen: 49.676 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

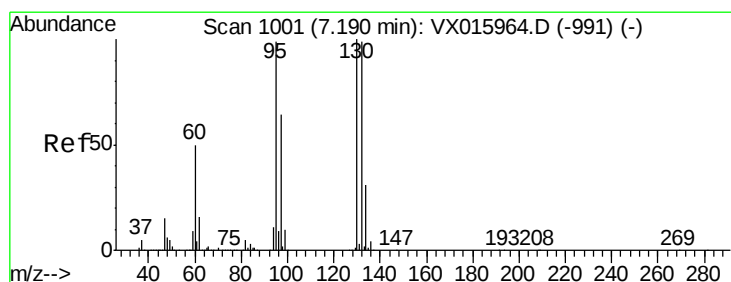
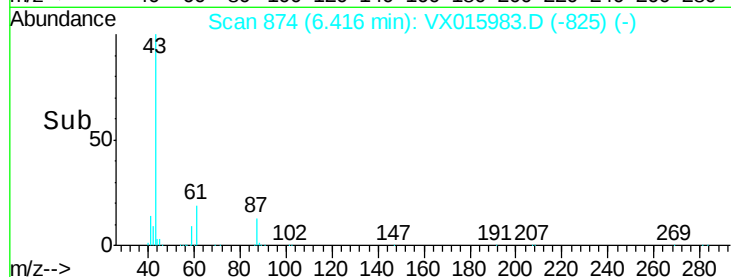
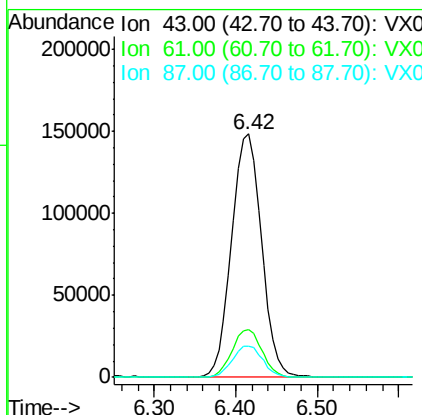
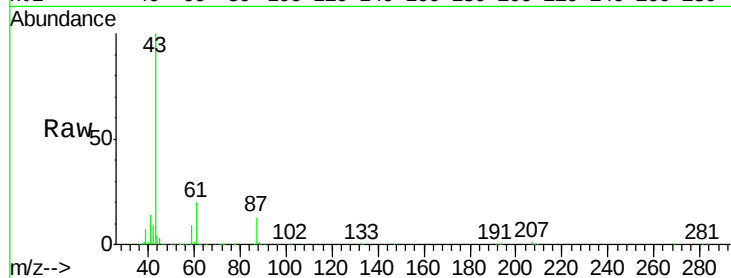
ClientSampleId :

HW-7MS

Tot Ion:	43	Resp:	375130
Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.1	24.1
87	13.2	10.9	16.3

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#44

Trichloroethene

Concen: 46.676 ug/l

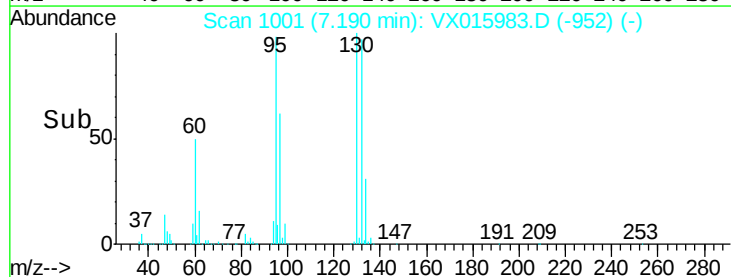
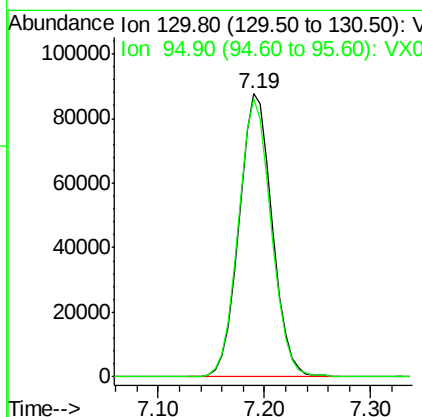
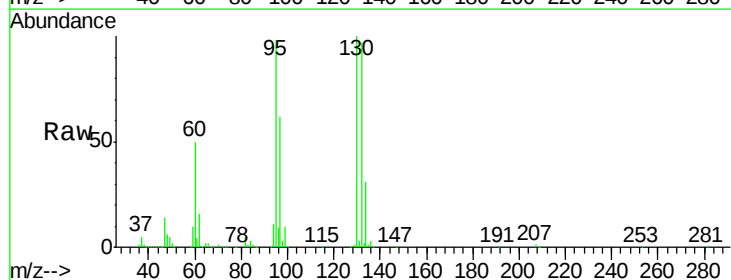
RT: 7.19 min Scan# 1001

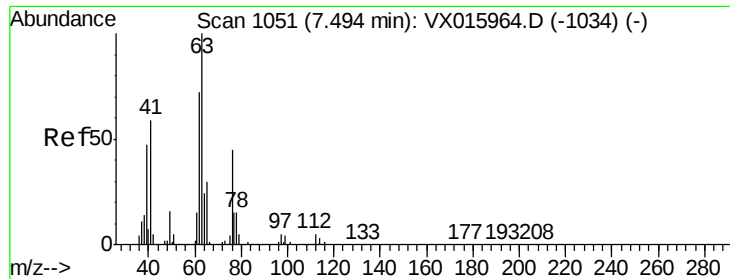
Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Tgt Ion:	130	Resp:	190907
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	197.4





#45

1,2-Dichloropropane

Concen: 50.736 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 63 Resp: 148790

Ion Ratio Lower Upper

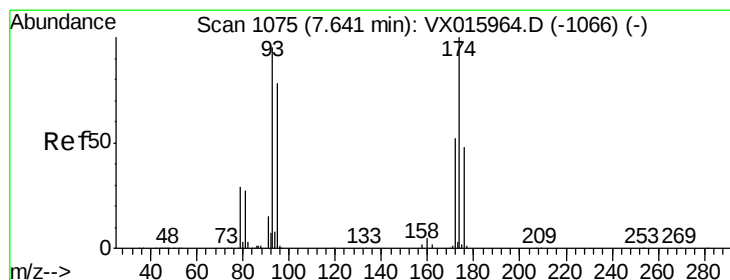
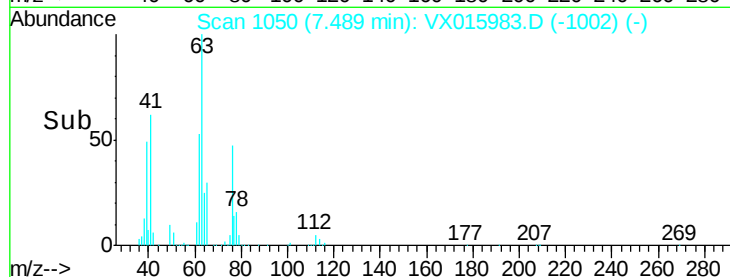
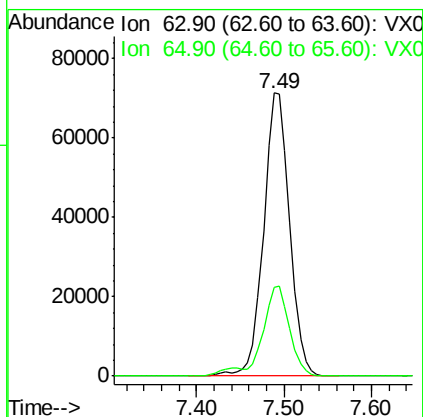
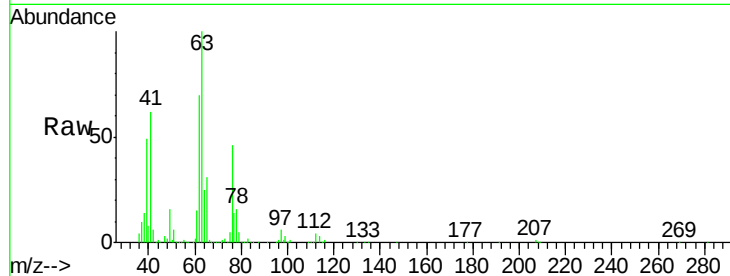
63 100

65 31.4 24.3 36.5

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#46

Dibromomethane

Concen: 49.880 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

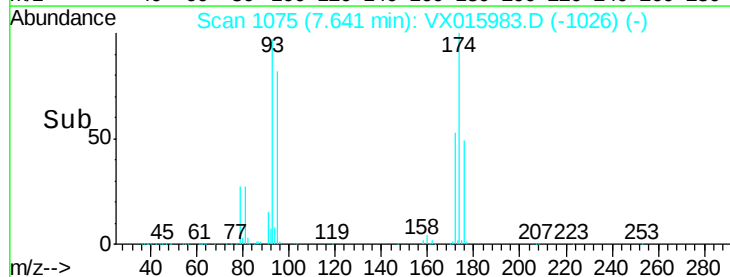
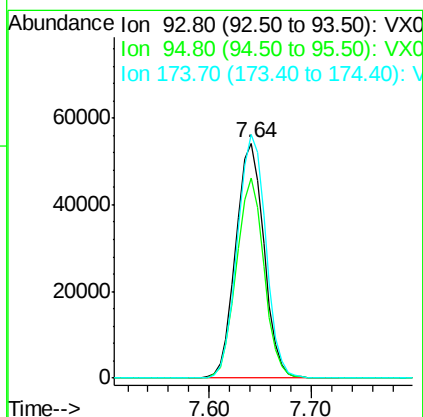
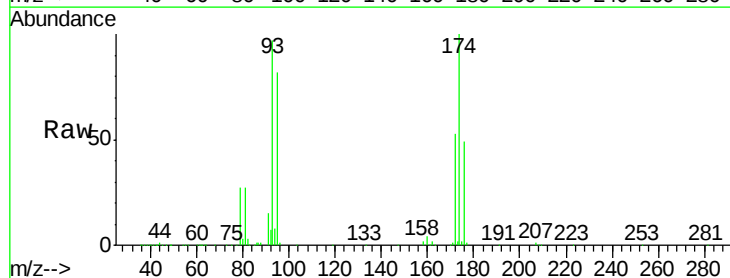
Tgt Ion: 93 Resp: 103942

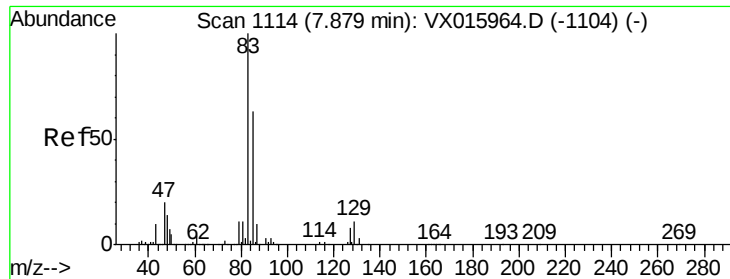
Ion Ratio Lower Upper

93 100

95 83.2 65.5 98.3

174 104.6 82.7 124.1





#47

Bromodichloromethane

Concen: 51.791 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

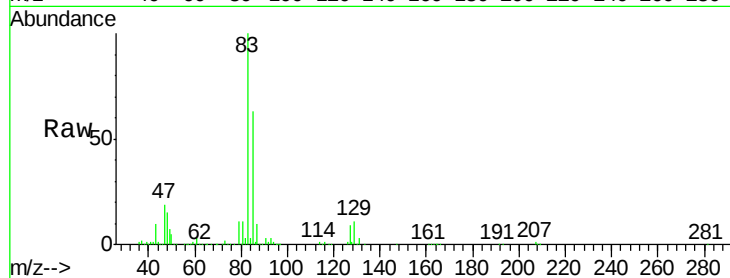
ClientSampleId :

HW-7MS

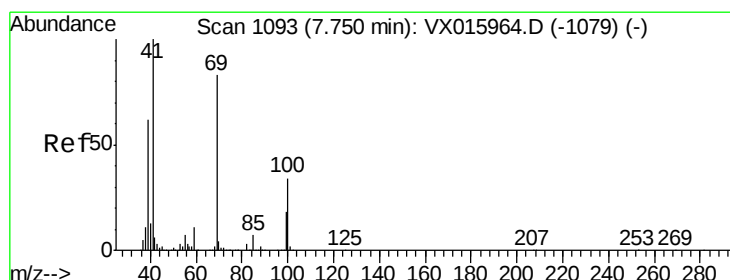
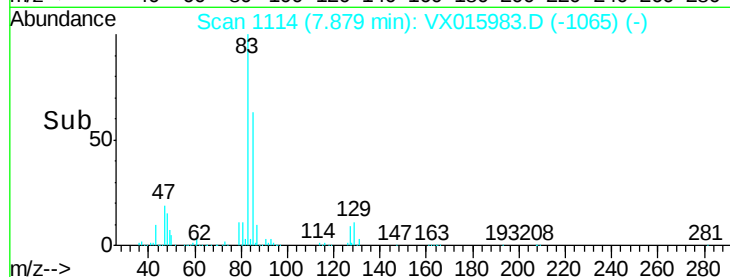
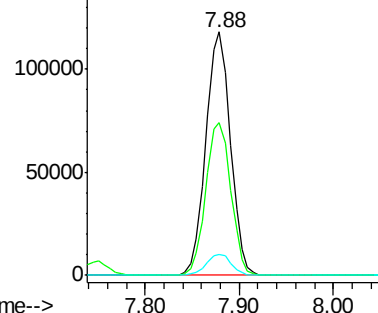
Tot Ion:	83	Resp:	214466
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.6	75.8
127	8.6	6.7	10.1

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.481 ug/l

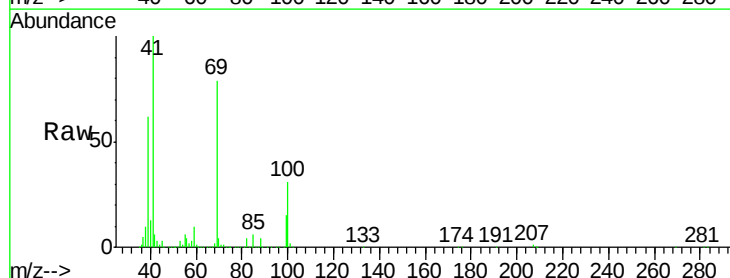
RT: 7.74 min Scan# 1092

Delta R.T. -0.01 min

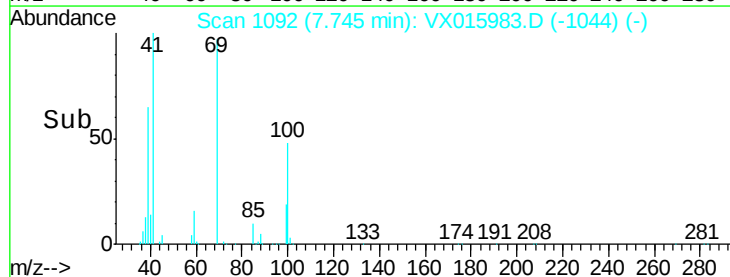
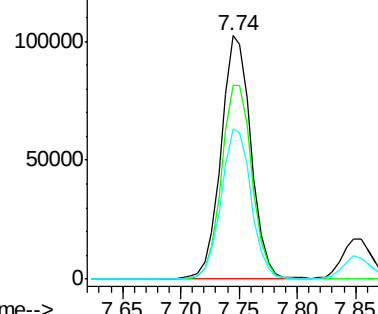
Lab File: VX015983.D

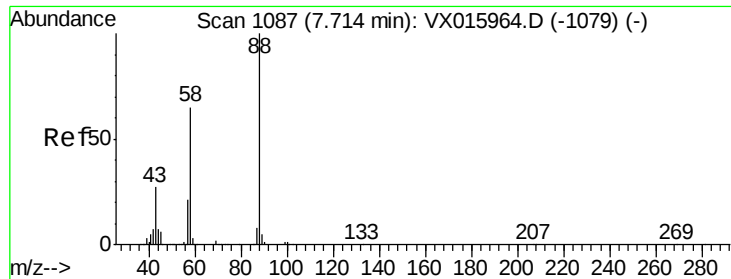
Acq: 29 Apr 2020 17:33

Tgt Ion:	41	Resp:	182979
Ion Ratio	Lower	Upper	
41	100		
69	81.8	66.0	99.0
39	61.9	49.0	73.4



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





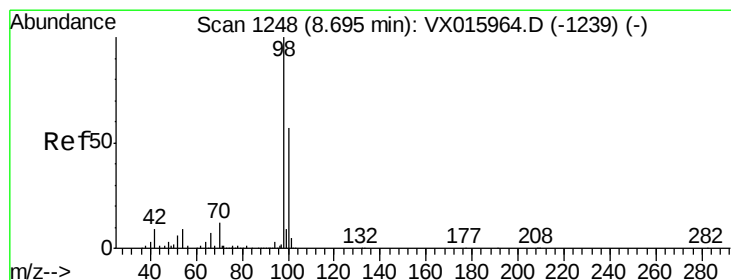
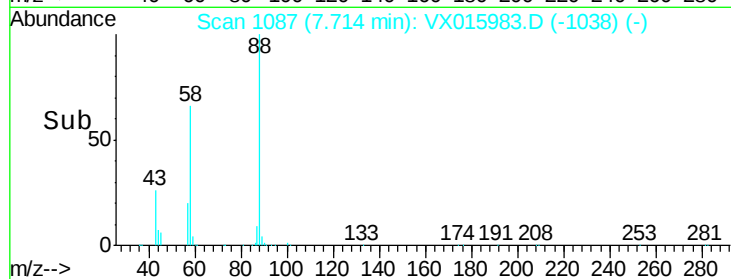
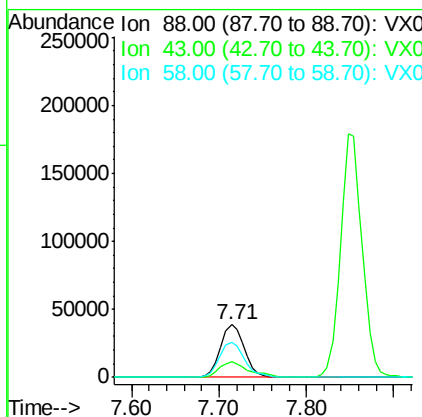
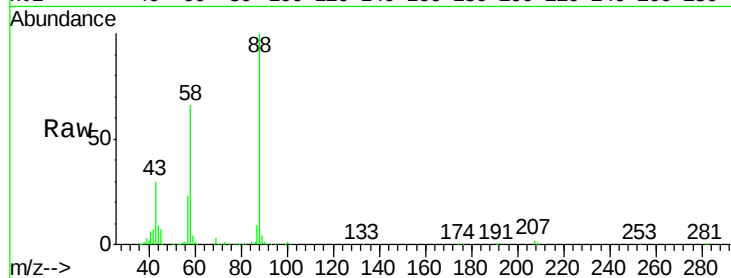
#49
1,4-Dioxane
Concen: 902.086 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	26.6	39.8
58	69.5	54.8	82.2

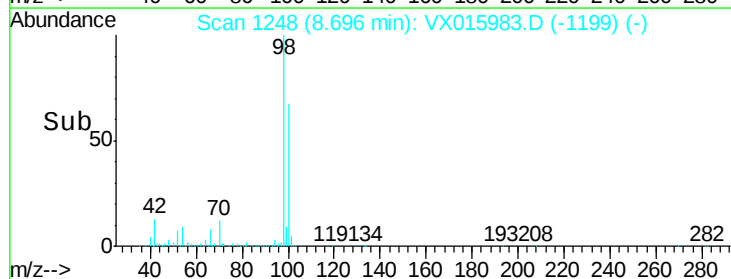
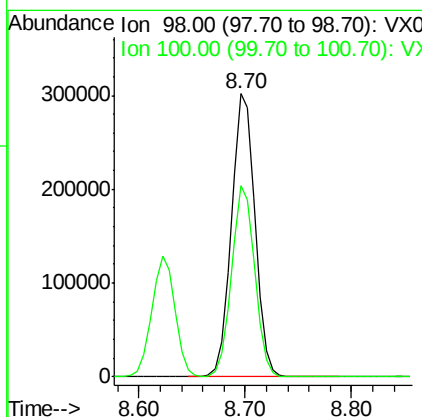
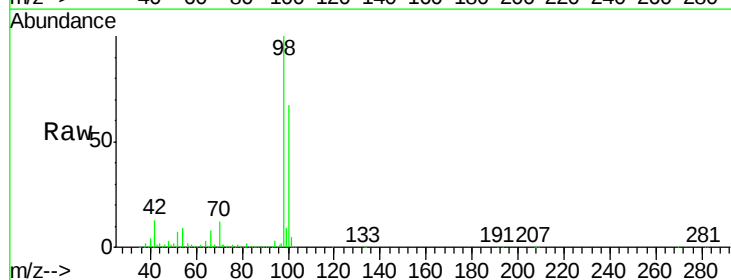
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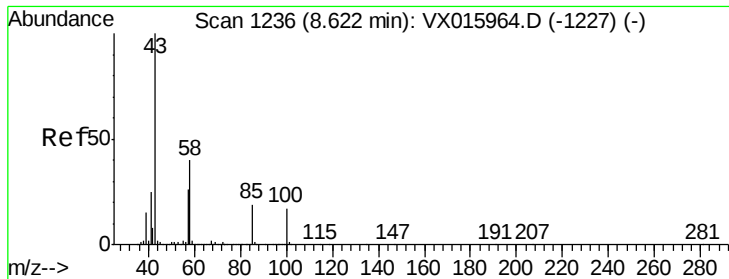
MMDadoda
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#50
Toluene-d8
Concen: 47.986 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 261.426 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 43 Resp: 1197458

Ion Ratio Lower Upper

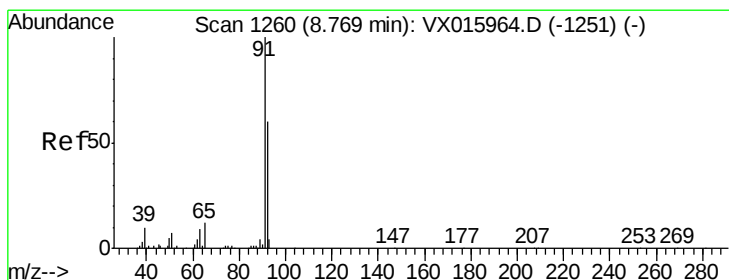
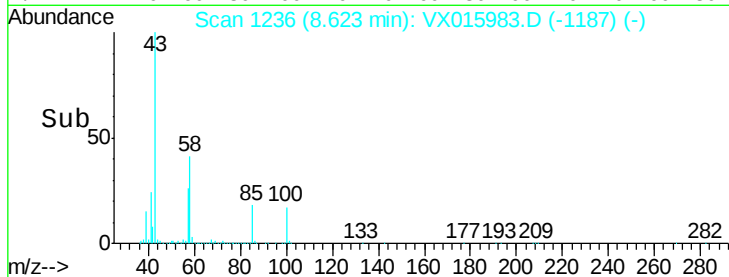
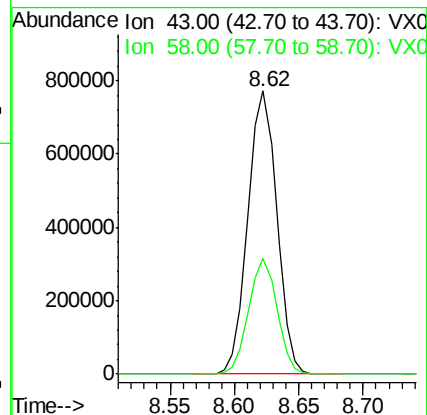
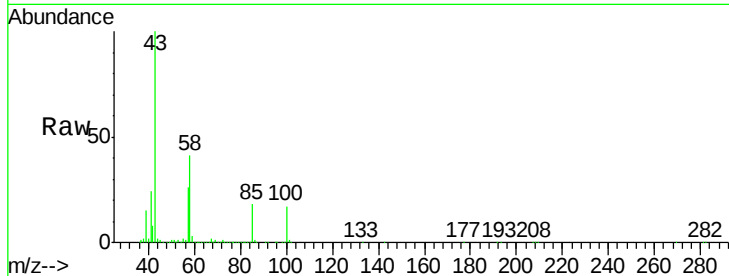
43 100

58 40.0 32.0 48.0

Manual Integrations
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#52

Toluene

Concen: 51.039 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015983.D

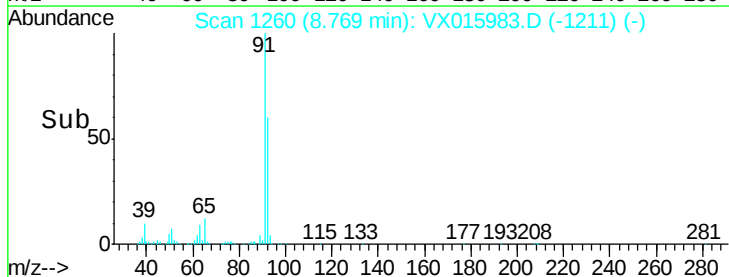
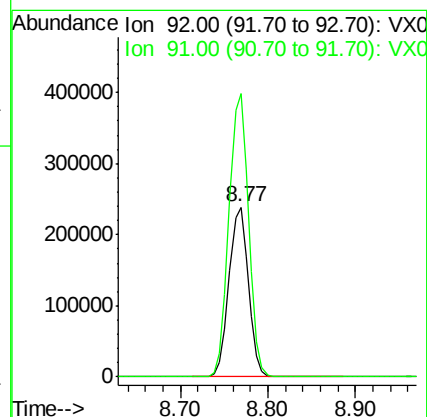
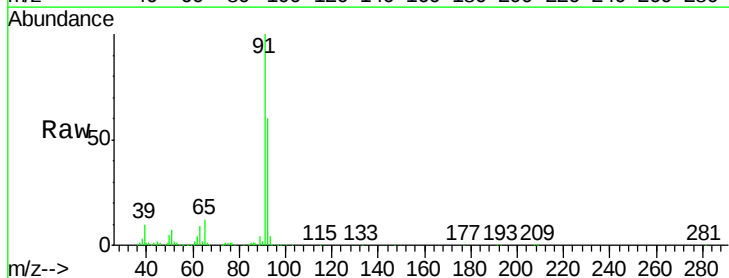
Acq: 29 Apr 2020 17:33

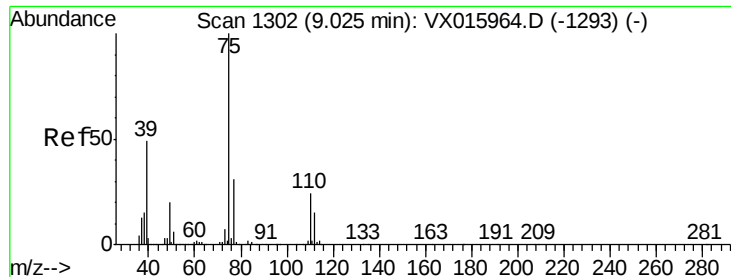
Tgt Ion: 92 Resp: 367627

Ion Ratio Lower Upper

92 100

91 168.5 134.6 202.0





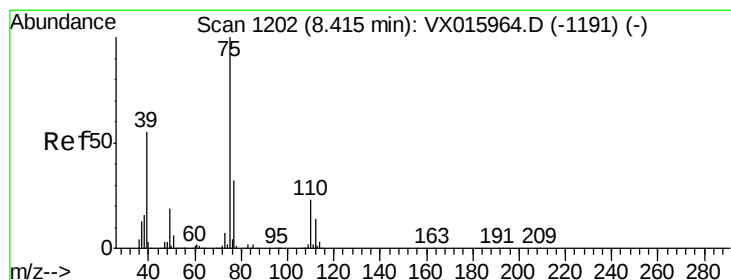
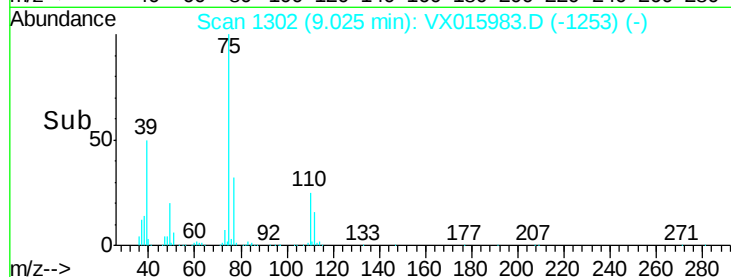
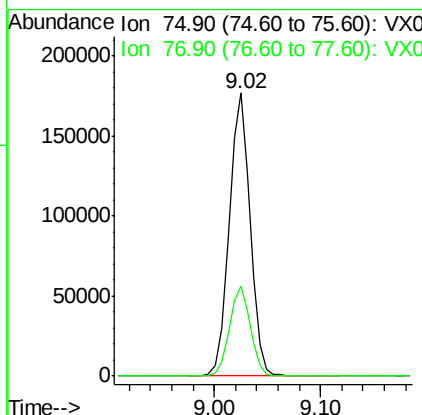
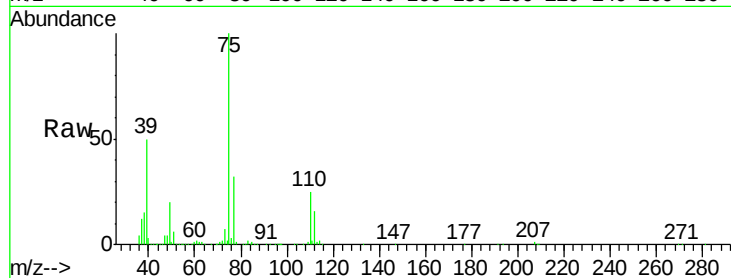
#53
t-1,3-Dichloropropene
Concen: 49.569 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3

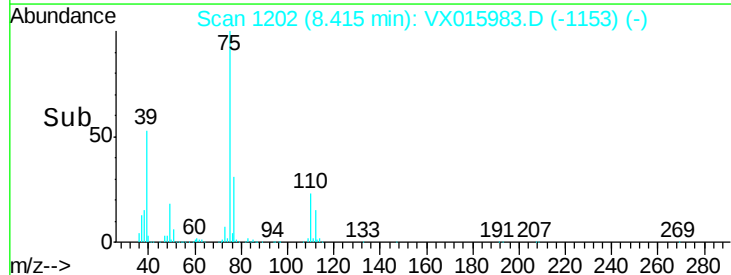
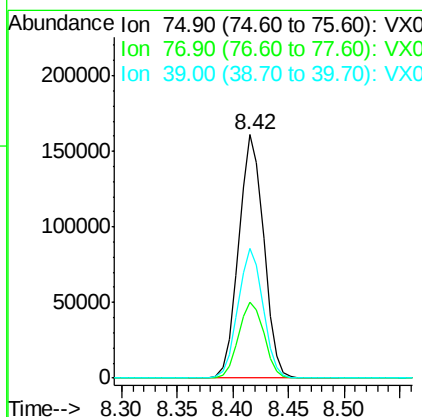
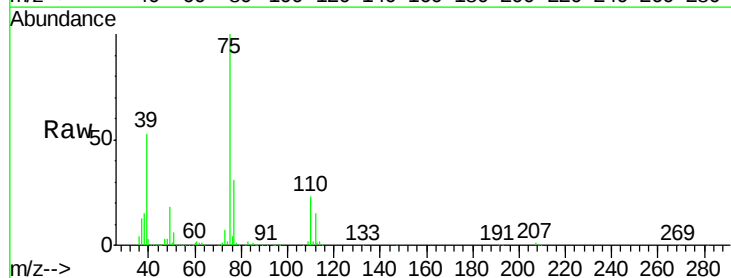
Manual Integrations
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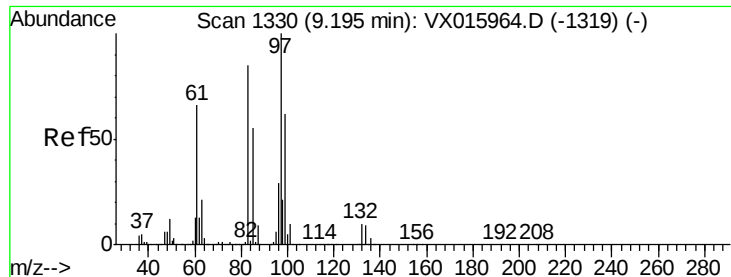
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#54
cis-1,3-Dichloropropene
Concen: 49.828 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	53.2	44.1	66.1





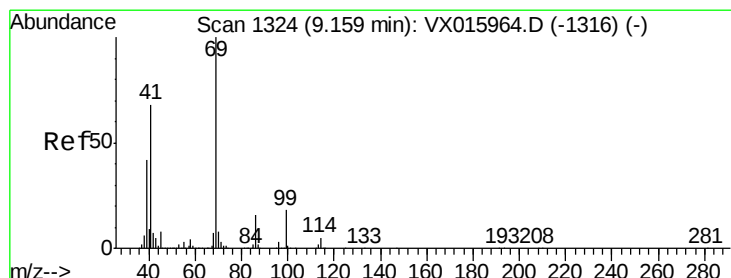
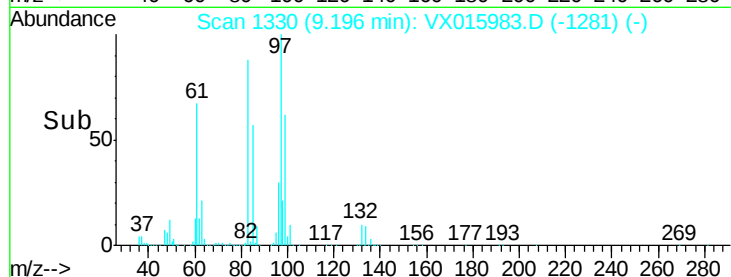
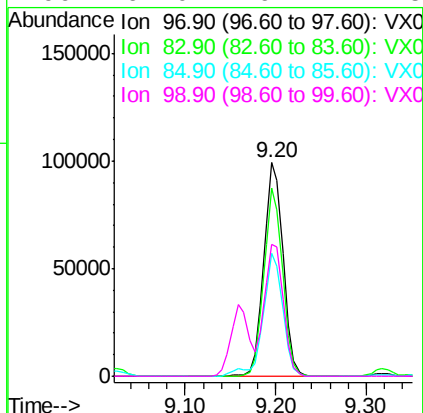
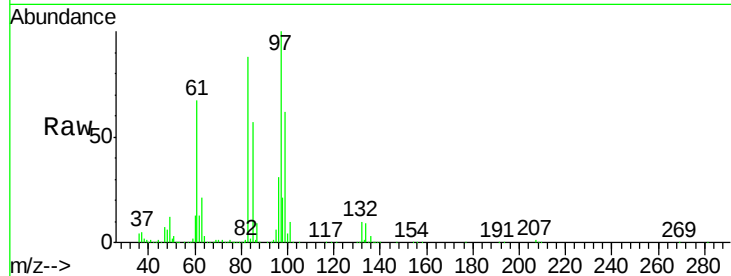
#55
 1,1,2-Trichloroethane
 Concen: 50.856 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146387		
83	88.1	68.2	102.2		
85	57.3	43.7	65.5		
99	62.0	49.7	74.5		

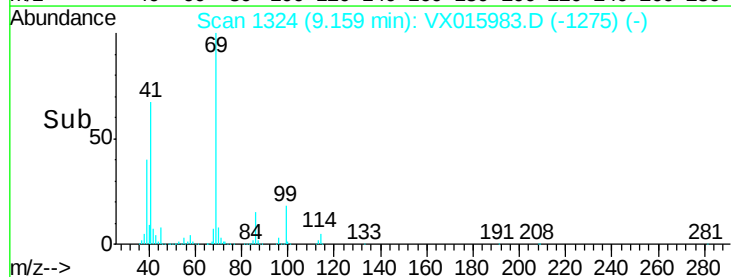
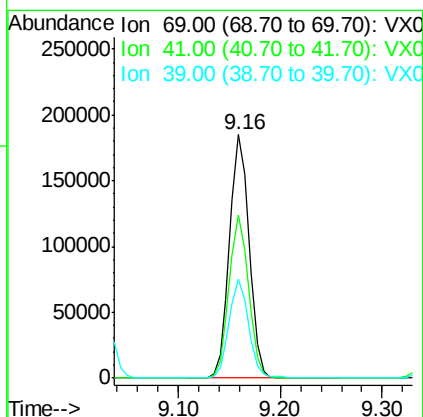
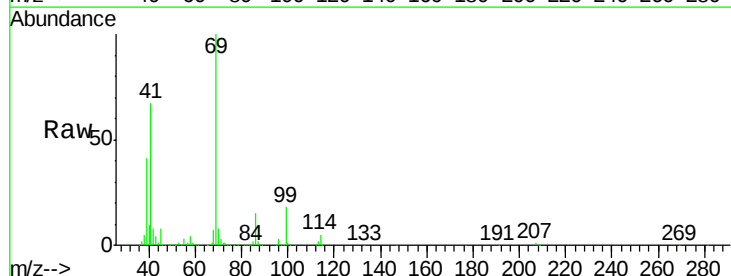
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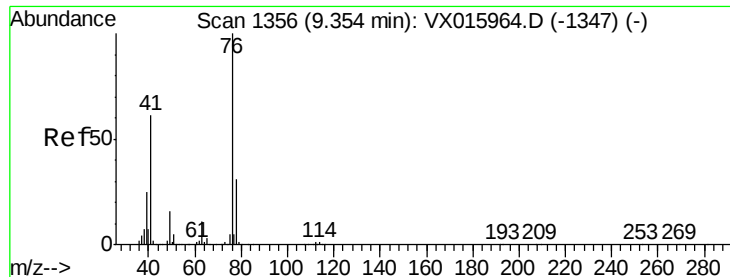
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#56
 Ethyl methacrylate
 Concen: 52.369 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		245112		
41	66.9	53.5	80.3		
39	40.7	33.4	50.0		





#57

1,3-Dichloropropane

Concen: 51.061 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 76 Resp: 252531

Ion Ratio Lower Upper

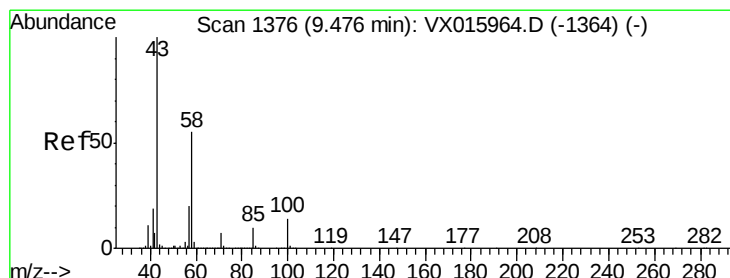
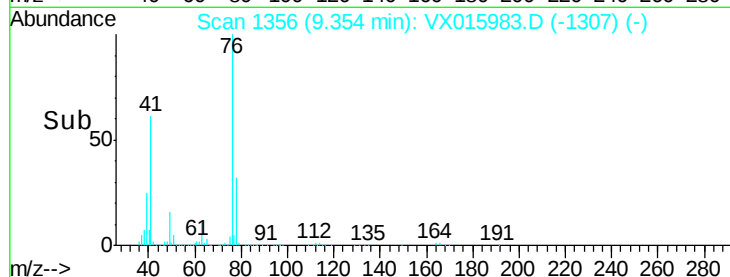
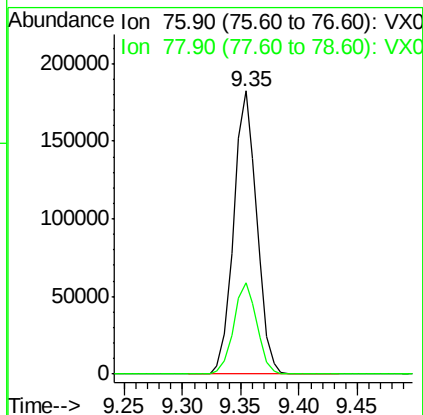
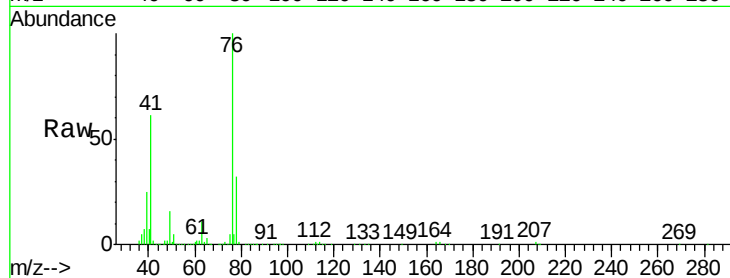
76 100

78 32.5 25.5 38.3

Manual Integrations
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#59

2-Hexanone

Concen: 260.070 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VX015983.D

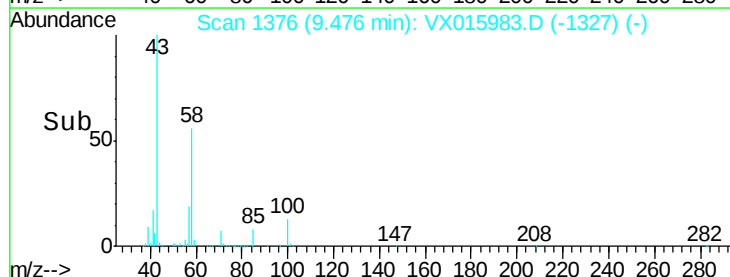
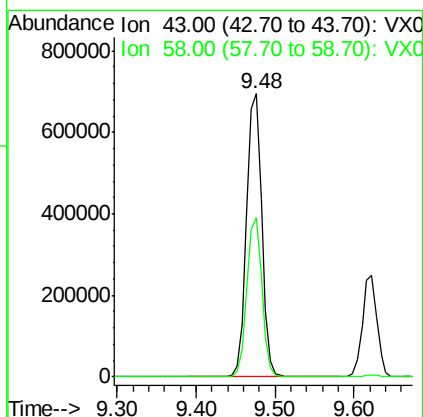
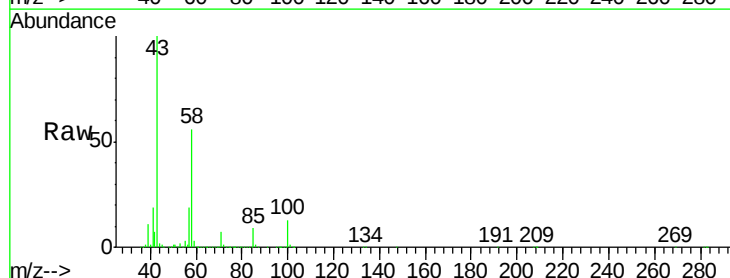
Acq: 29 Apr 2020 17:33

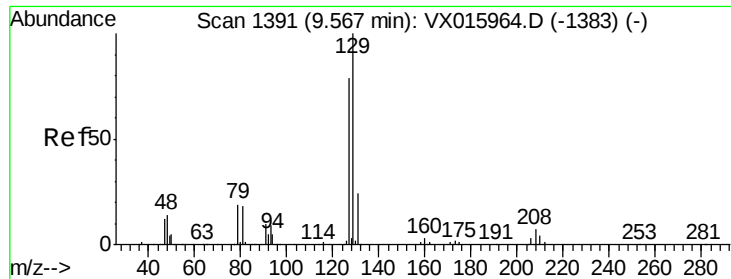
Tgt Ion: 43 Resp: 930967

Ion Ratio Lower Upper

43 100

58 55.6 27.7 83.1





#60

Dibromochloromethane

Concen: 52.100 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion:129 Resp: 167854

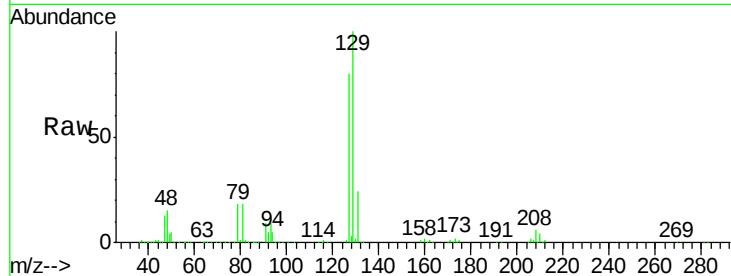
Ion Ratio Lower Upper

129 100

127 77.2 39.4 118.1

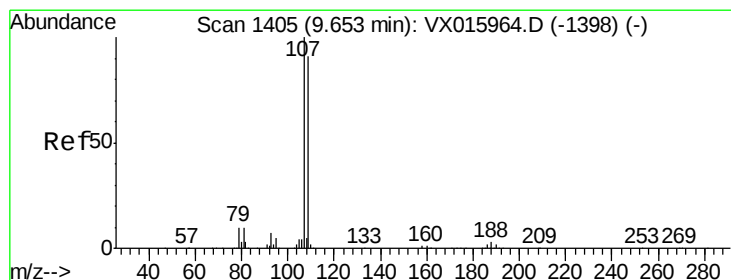
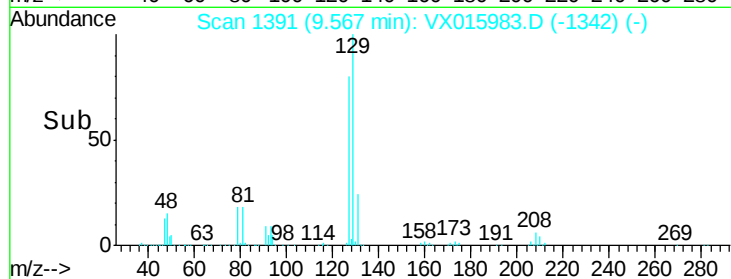
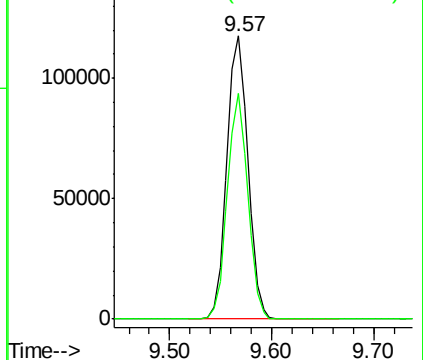
Manual Integrations
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.664 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX015983.D

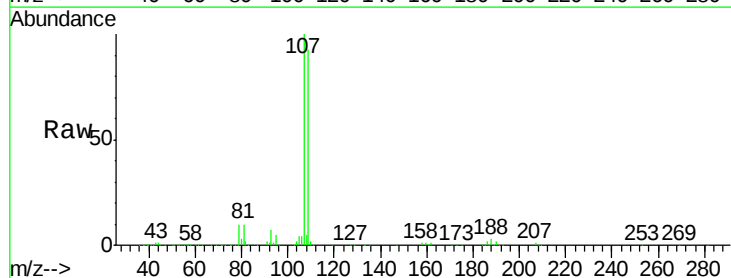
Acq: 29 Apr 2020 17:33

Tgt Ion:107 Resp: 158142

Ion Ratio Lower Upper

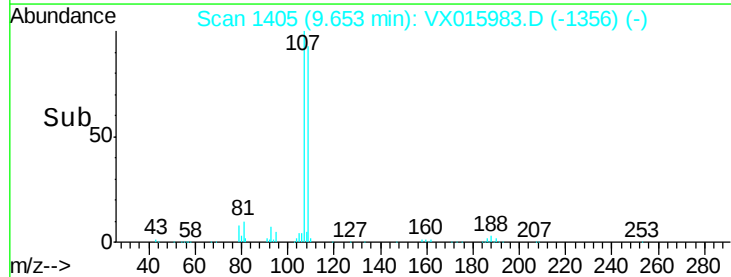
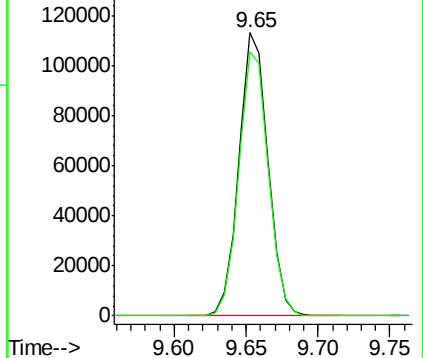
107 100

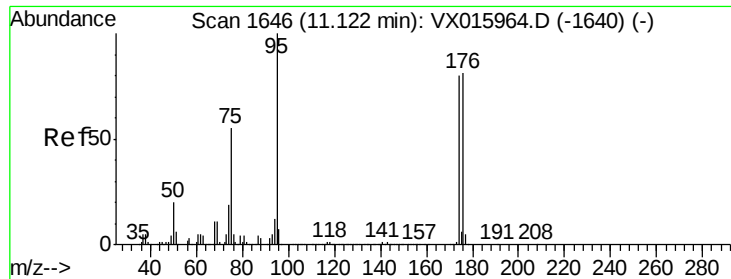
109 95.2 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





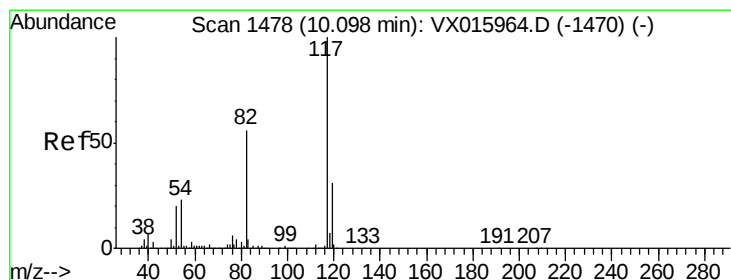
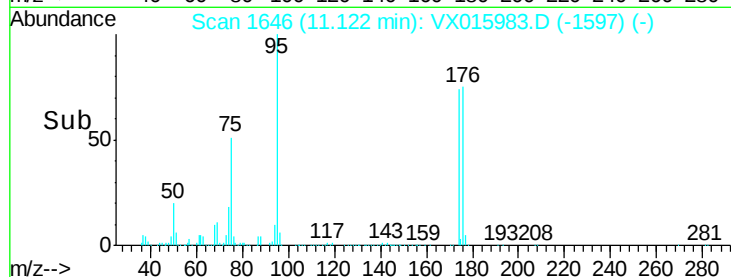
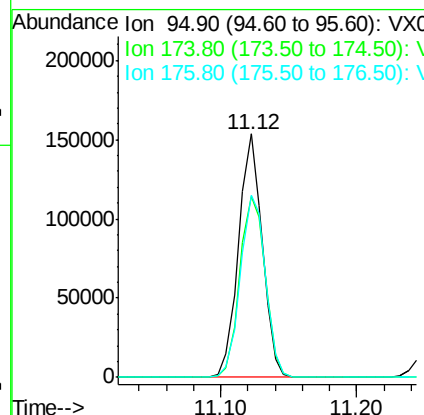
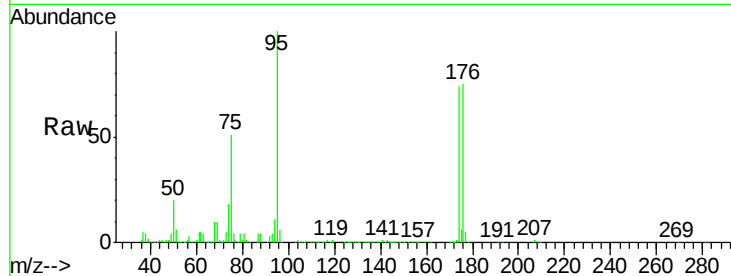
#62
4-Bromofluorobenzene
Concen: 48.702 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	186028		
174	79.9	0.0	165.0	
176	78.9	0.0	163.2	

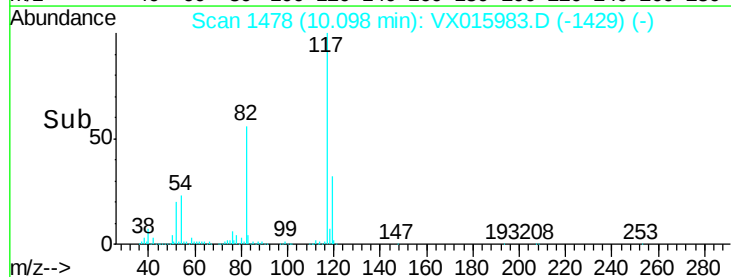
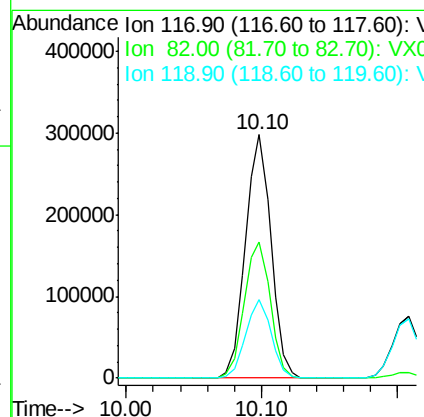
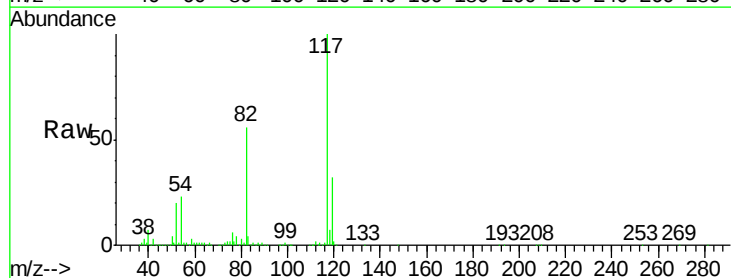
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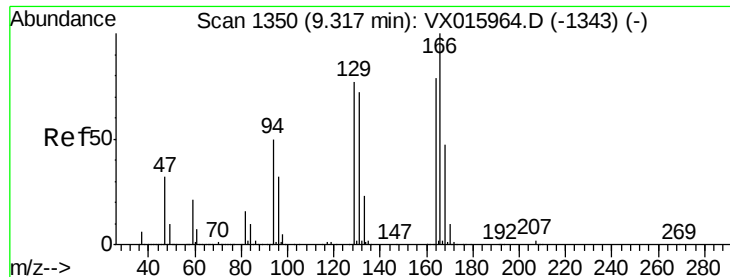
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	391594		
82	56.0	44.5	66.7	
119	32.1	25.0	37.6	





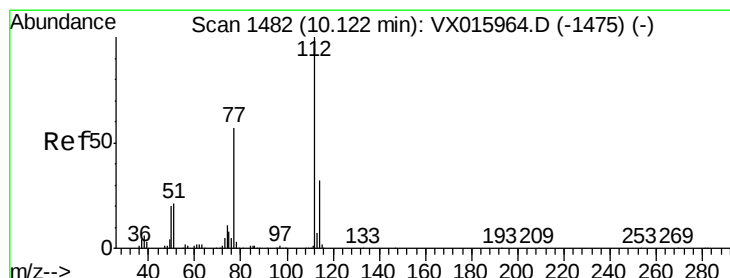
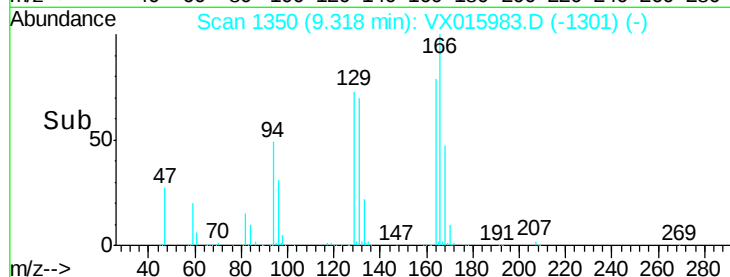
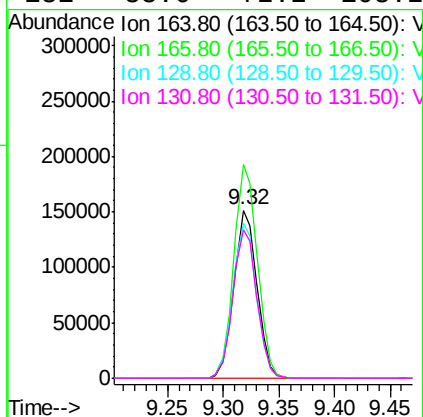
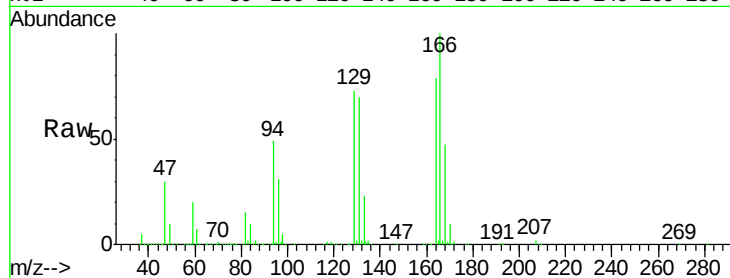
#64
Tetrachloroethene
Concen: 46.822 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.0	151.4
129	92.4	77.4	116.0
131	88.6	72.2	108.2

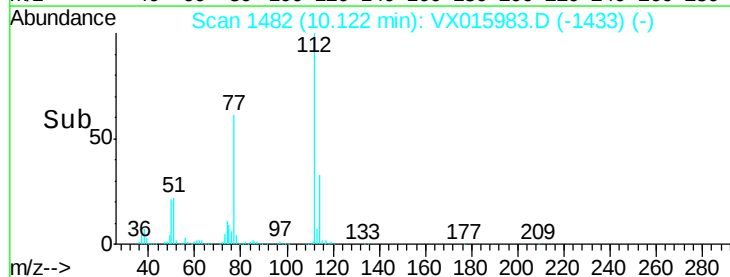
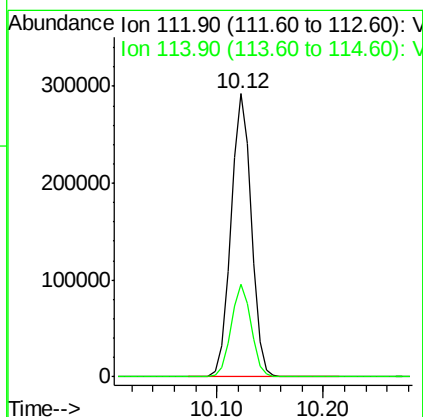
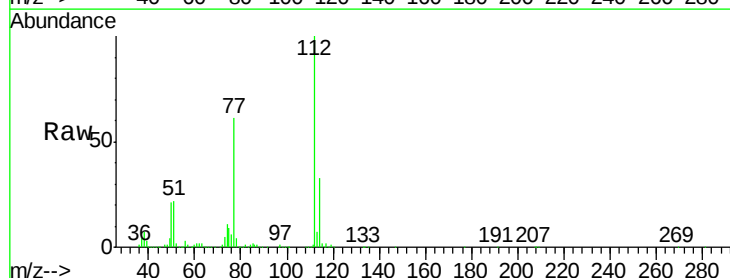
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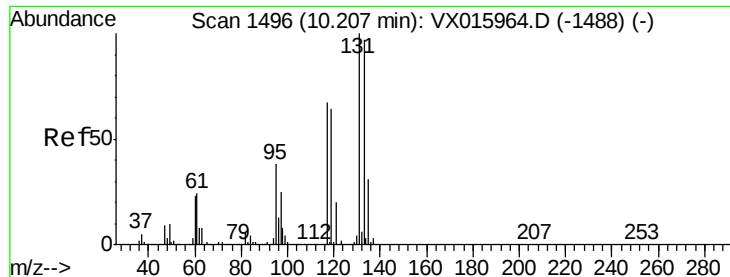
MMDadoda
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#65
Chlorobenzene
Concen: 49.148 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.0





#66

1,1,1,2-Tetrachloroethane

Concen: 50.104 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

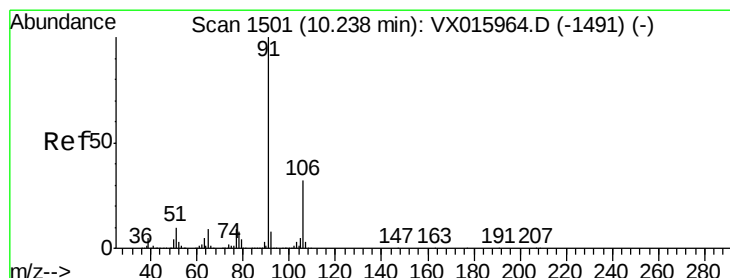
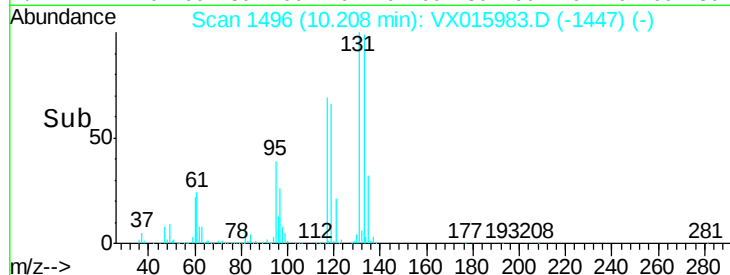
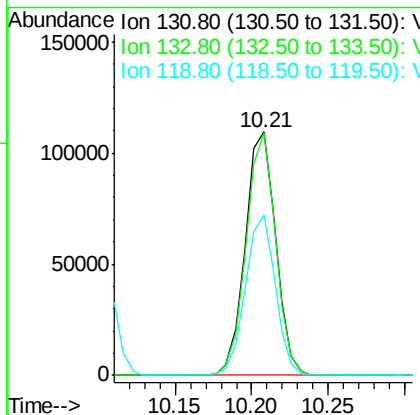
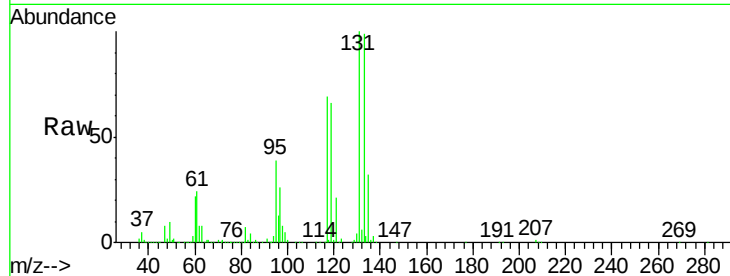
ClientSampled :

HW-7MS

Tot Ion:	131	Resp:	151038
Ion Ratio	Lower	Upper	
131	100		
133	96.5	48.3	144.8
119	64.8	31.6	94.8

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.148 ug/l

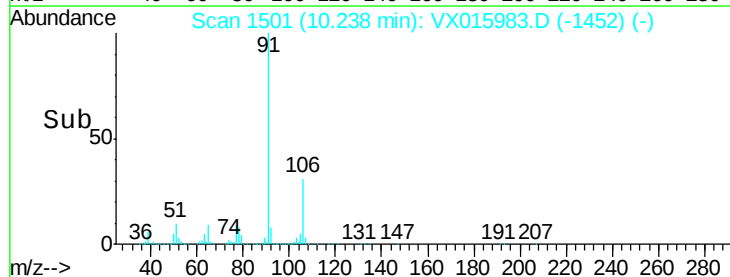
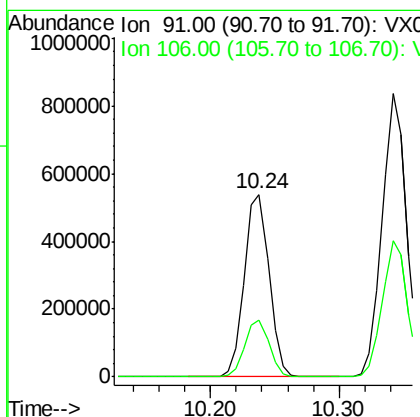
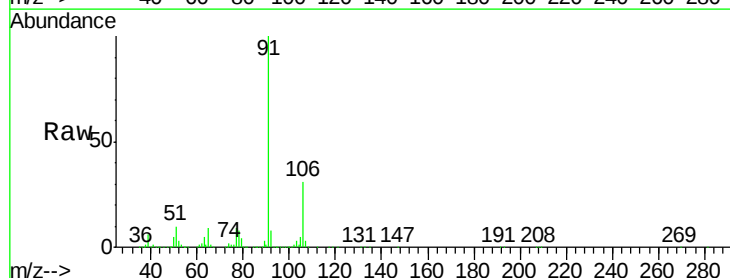
RT: 10.24 min Scan# 1501

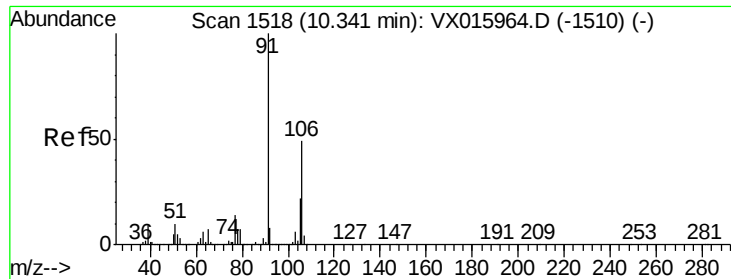
Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Tgt Ion:	91	Resp:	712285
Ion Ratio	Lower	Upper	
91	100		
106	30.8	25.3	37.9





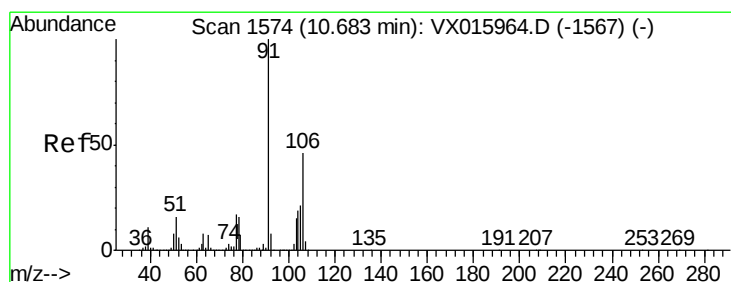
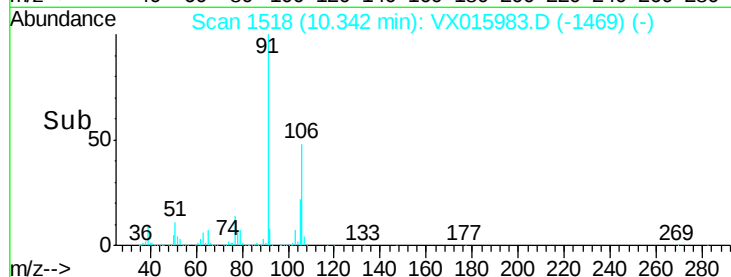
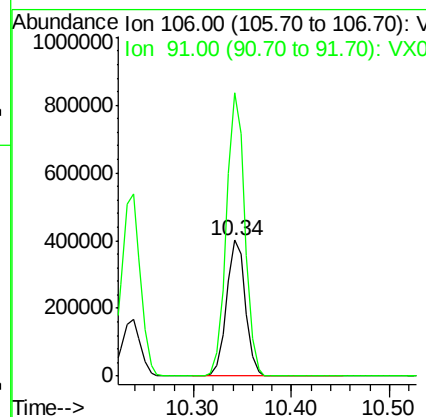
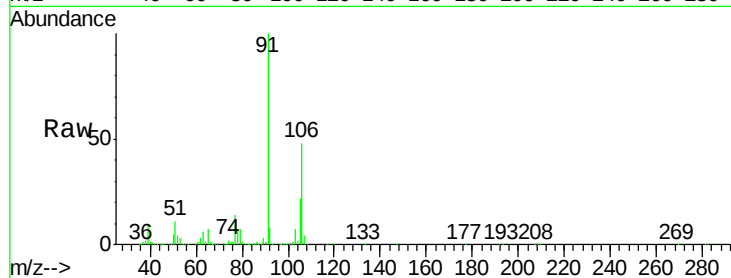
#68
m/p-Xylenes
Concen: 99.090 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion:106 Resp: 534062
Ion Ratio Lower Upper
106 100
91 204.2 161.6 242.4

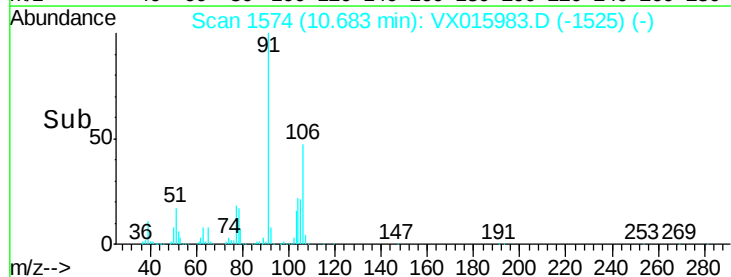
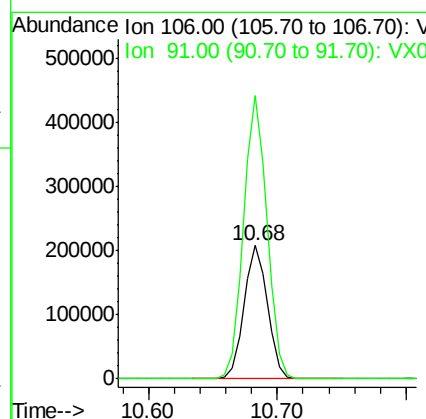
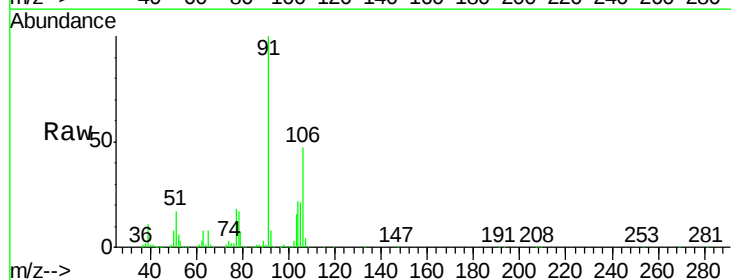
Manual Integrations
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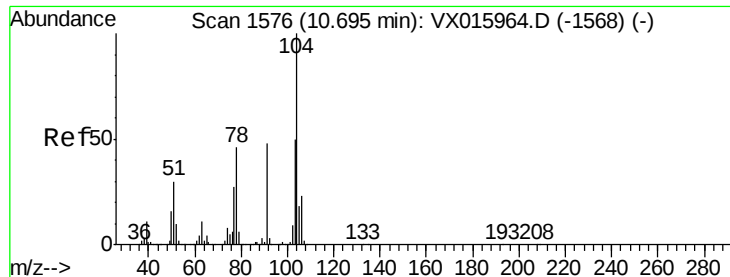
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#69
o-Xylene
Concen: 51.074 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion:106 Resp: 261350
Ion Ratio Lower Upper
106 100
91 212.4 106.1 318.3





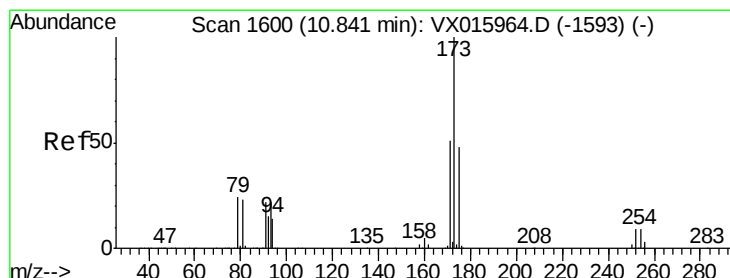
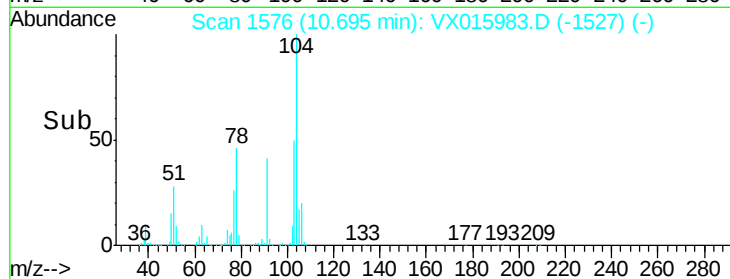
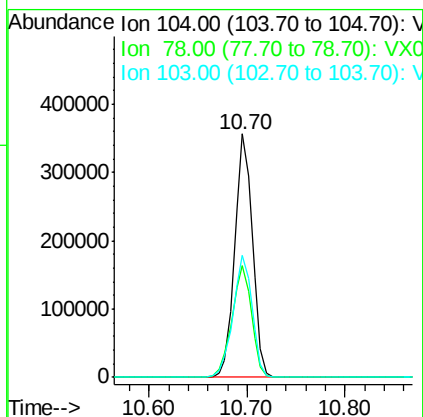
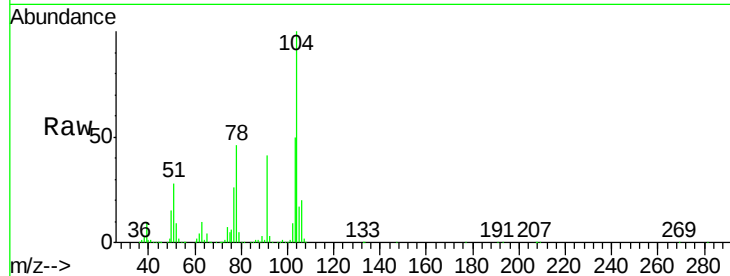
#70
Stvrene
Concen: 51.258 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.5	41.0	61.4
103	54.1	43.4	65.2

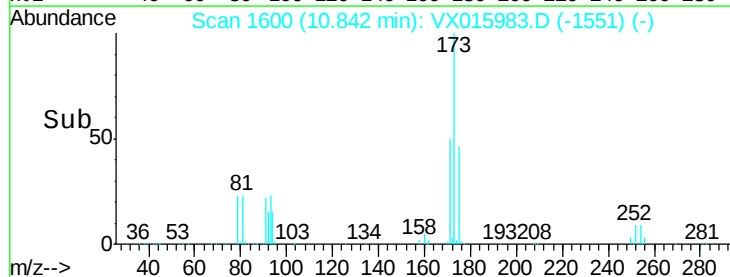
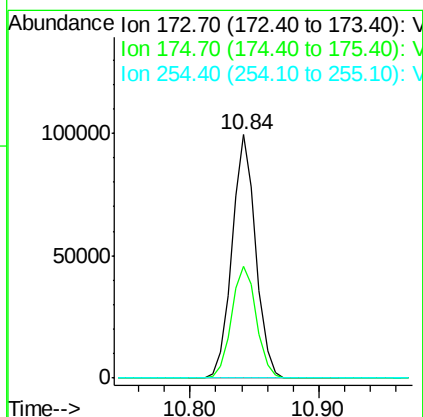
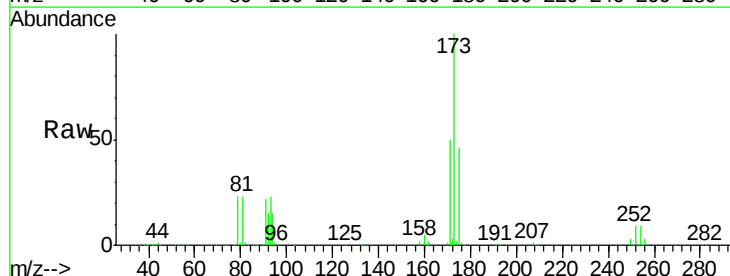
Manual Integrations
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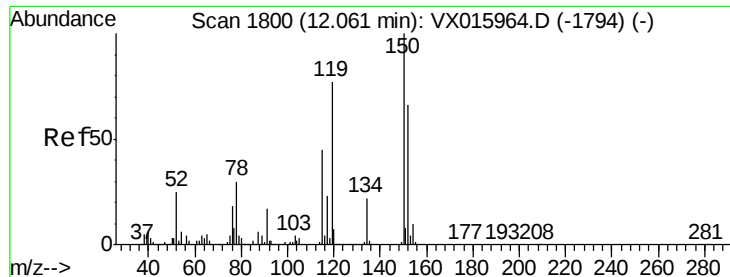
MMDadoda
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#71
Bromoform
Concen: 46.562 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.1	0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion:152 Resp: 199900

Ion Ratio Lower Upper

152 100

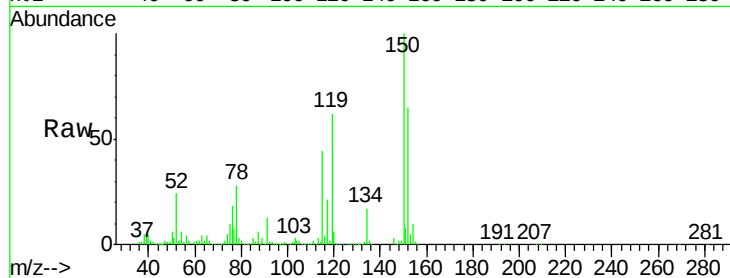
115 84.6 40.9 122.7

150 173.0 0.0 342.4

Manual Integrations
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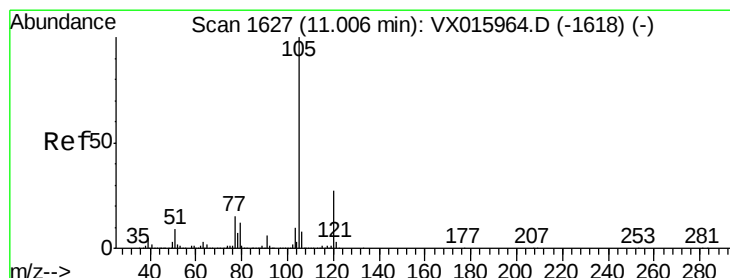
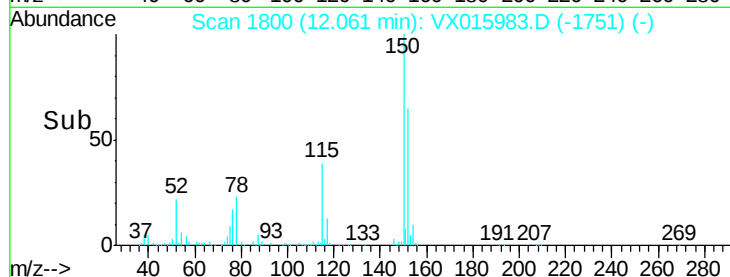
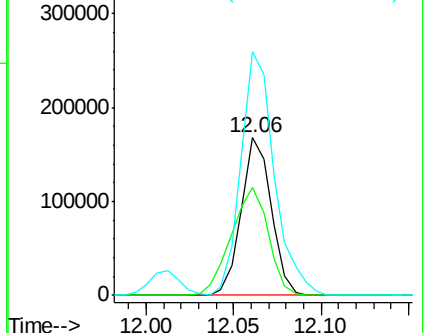
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 51.791 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX015983.D

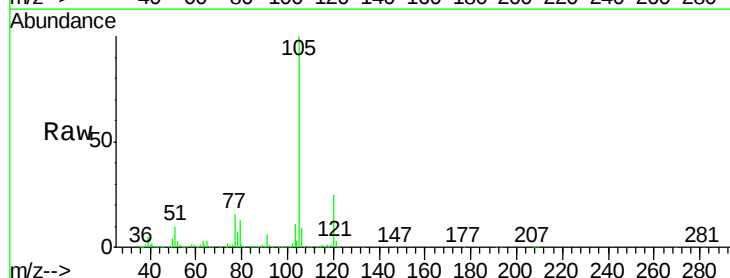
Acq: 29 Apr 2020 17:33

Tgt Ion:105 Resp: 704300

Ion Ratio Lower Upper

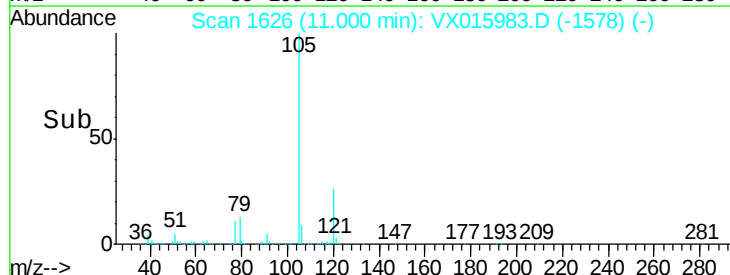
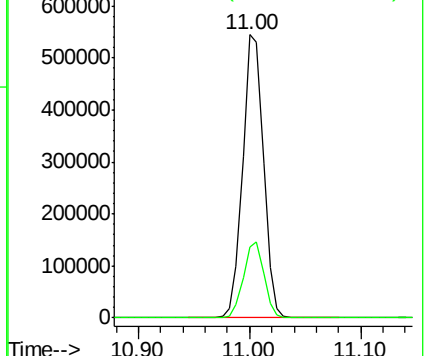
105 100

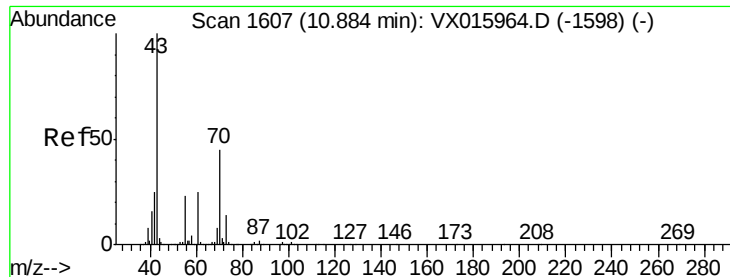
120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 49.719 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

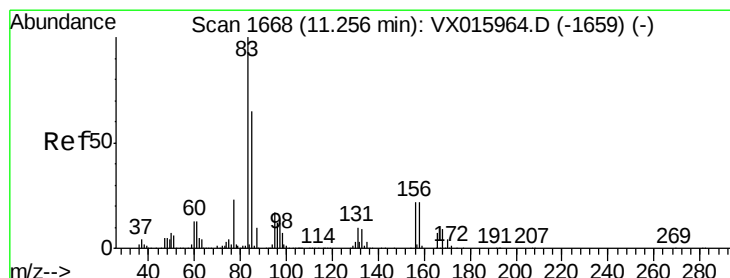
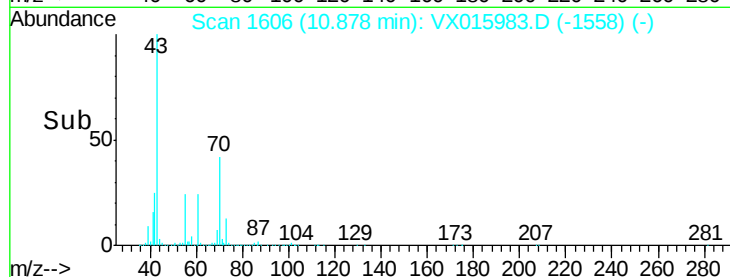
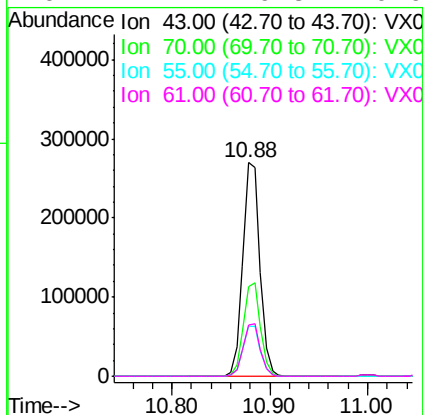
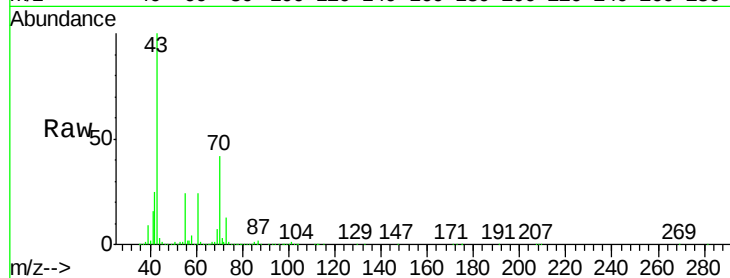
ClientSampleId :

HW-7MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
70	43.7	34.5	51.7		
55	24.1	18.6	28.0		
61	24.7	19.8	29.6		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 50.715 ug/l

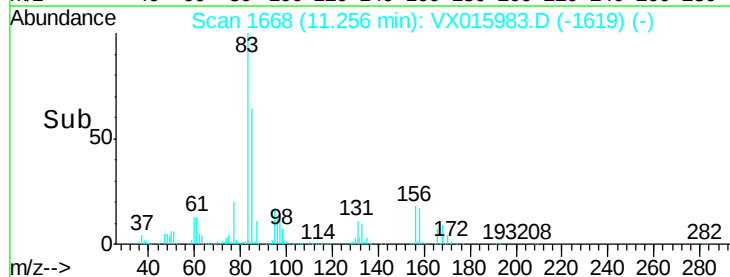
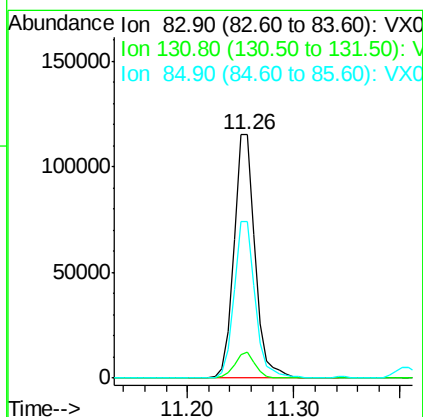
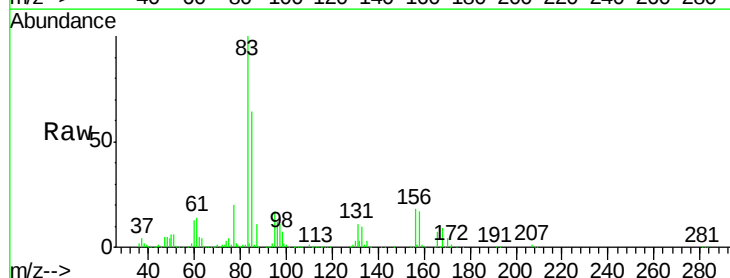
RT: 11.26 min Scan# 1668

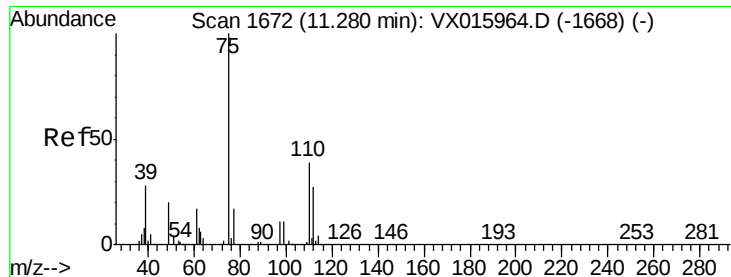
Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
131	10.3	5.1	15.4		
85	64.6	32.2	96.6		





#76

1,2,3-Trichloropropane

Concen: 52.442 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampled :

HW-7MS

Tot Ion: 75 Resp: 219974

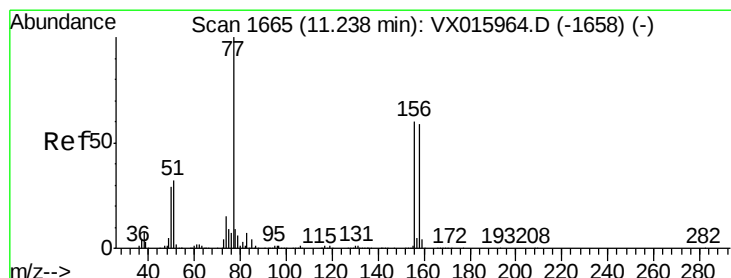
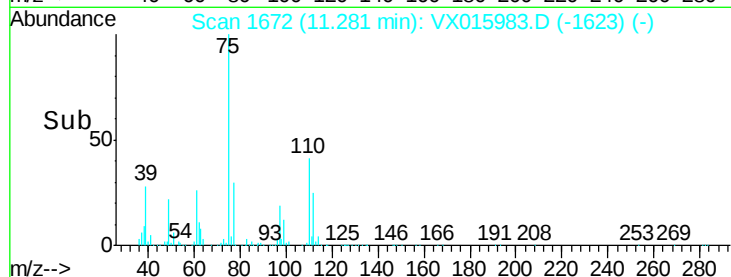
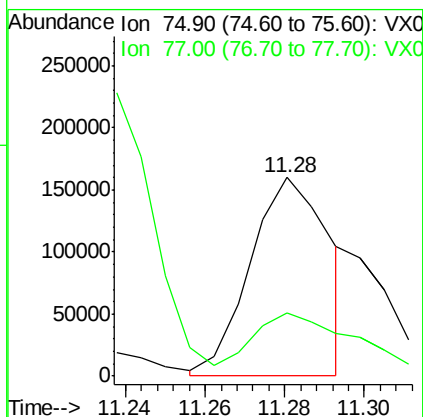
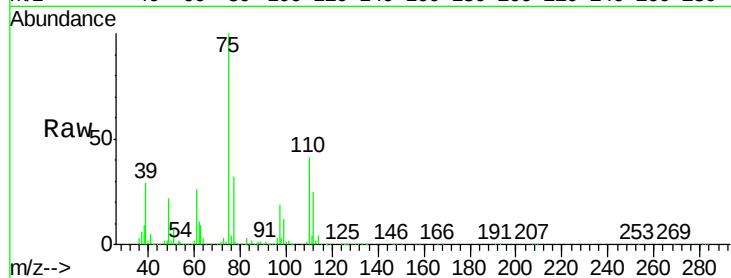
Ion Ratio Lower Upper

75 100

77 42.4 21.6 65.0

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#77

Bromobenzene

Concen: 50.982 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

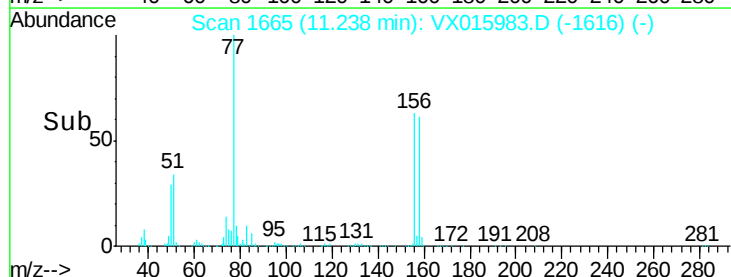
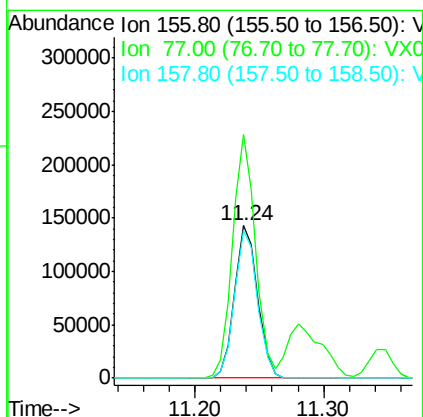
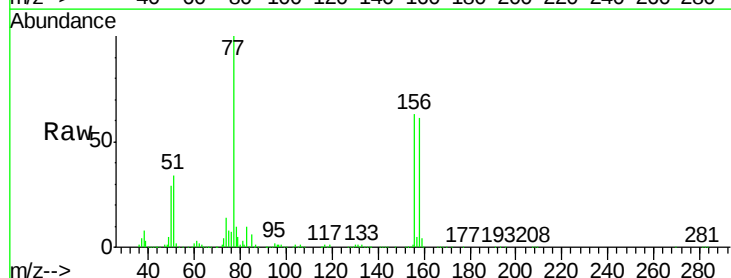
Tgt Ion: 156 Resp: 178458

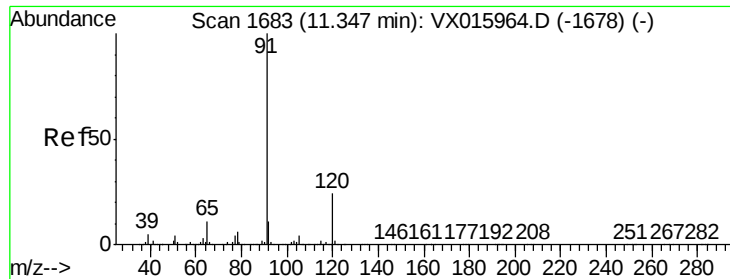
Ion Ratio Lower Upper

156 100

77 159.3 78.3 234.8

158 96.9 48.5 145.5





#78

n-propylbenzene

Concen: 51.688 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampled :

HW-7MS

Tot Ion: 91 Resp: 808590

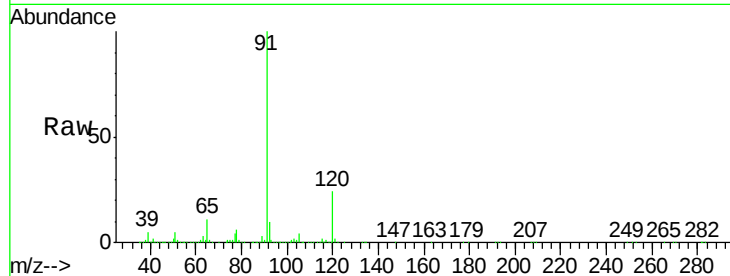
Ion Ratio Lower Upper

91 100

120 23.1 11.8 35.3

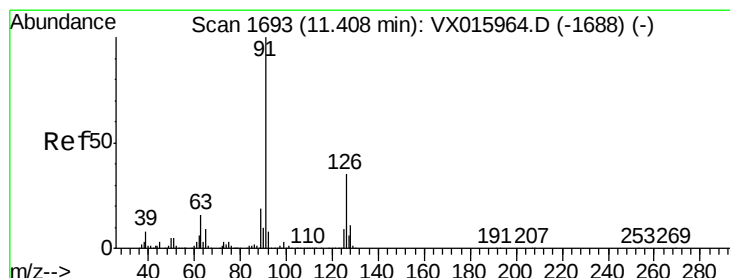
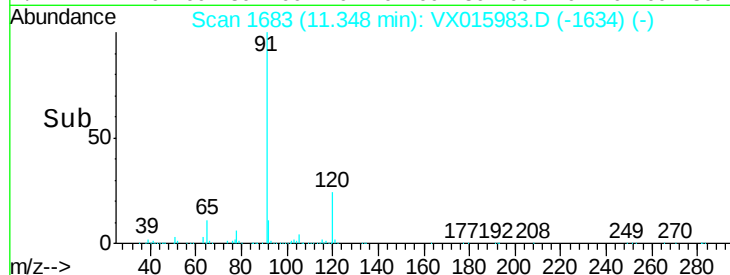
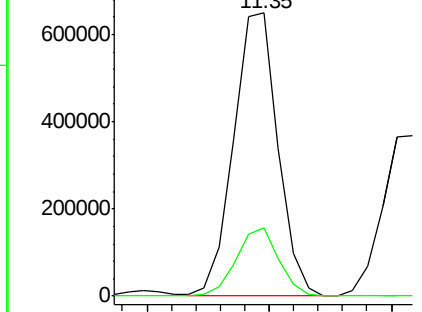
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 51.068 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX015983.D

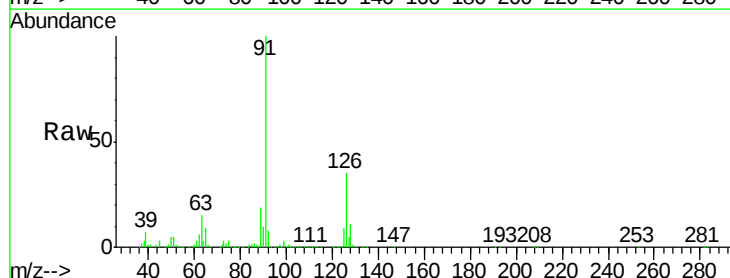
Acq: 29 Apr 2020 17:33

Tgt Ion: 91 Resp: 475981

Ion Ratio Lower Upper

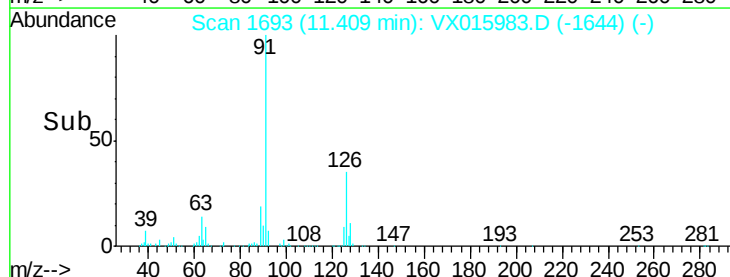
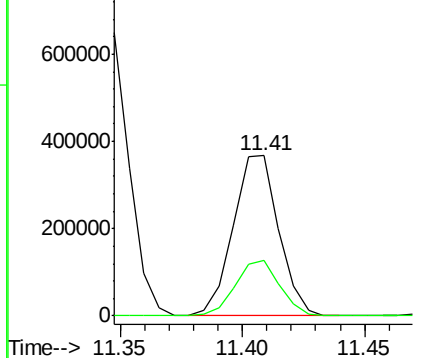
91 100

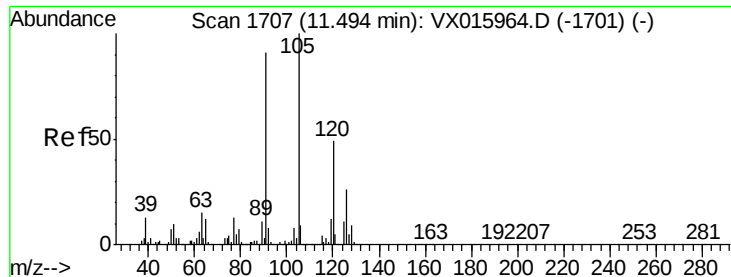
126 33.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





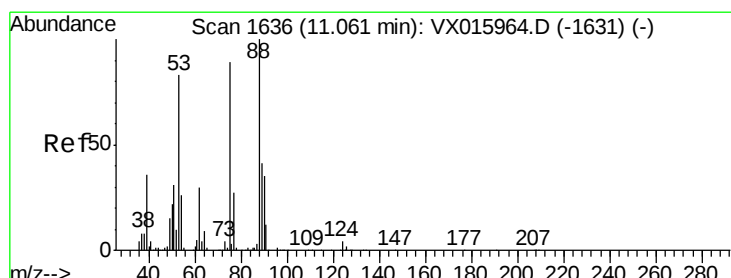
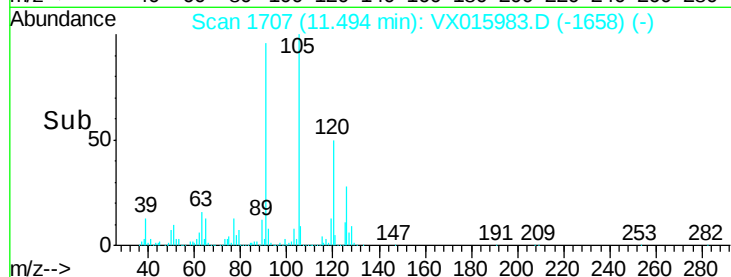
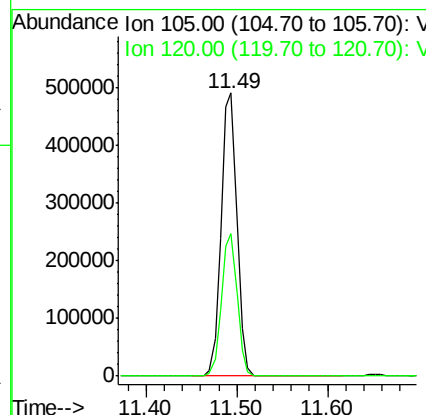
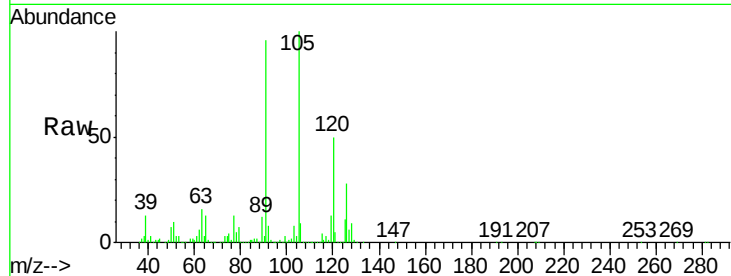
#80
 1,3,5-Trimethylbenzene
 Concen: 52.250 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Instrument :
 MSVOA_X
 ClientSampled :
 HW-7MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.9	24.6	73.6

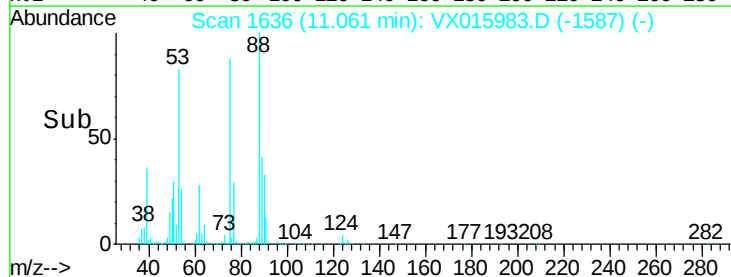
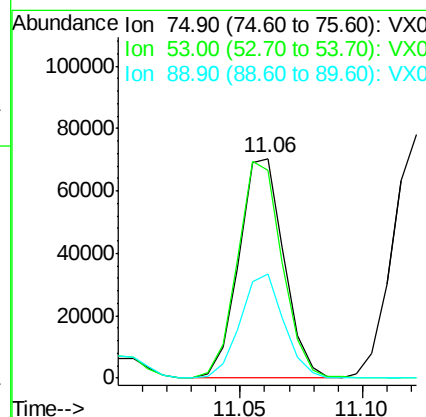
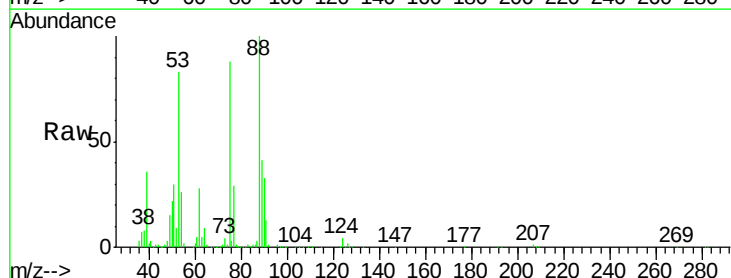
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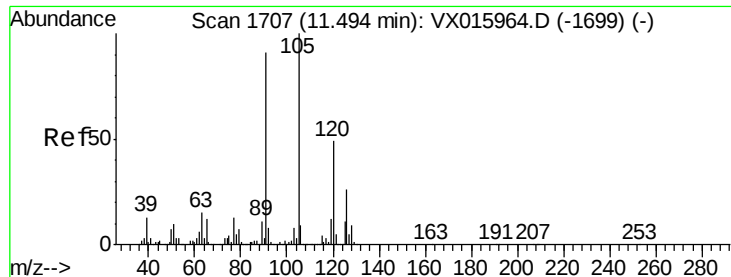
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.254 ug/l
 RT: 11.06 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.3	117.5
89	46.4	37.2	55.8





#82

4-Chlorotoluene

Concen: 51.443 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 91 Resp: 573466

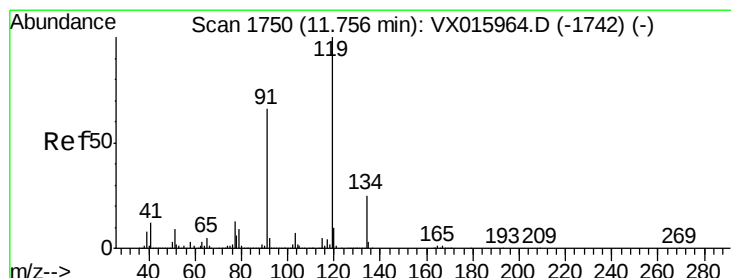
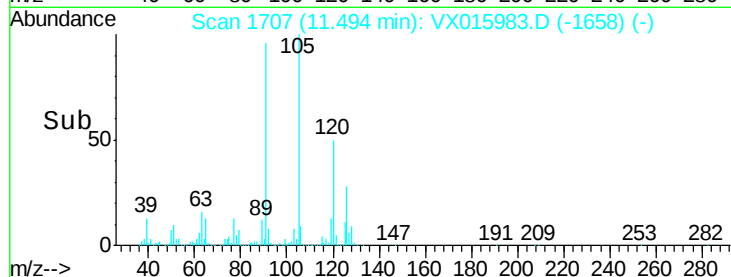
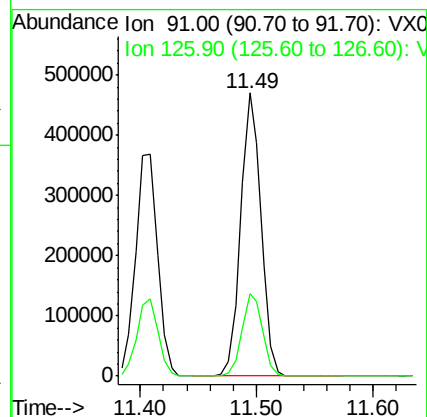
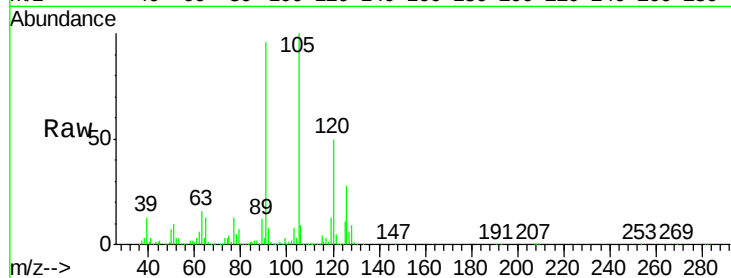
Ion Ratio Lower Upper

91 100

126 29.5 14.8 44.3

Manual Integrations
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#83

tert-Butylbenzene

Concen: 52.698 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

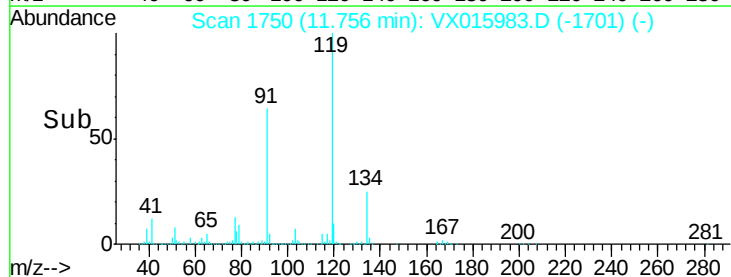
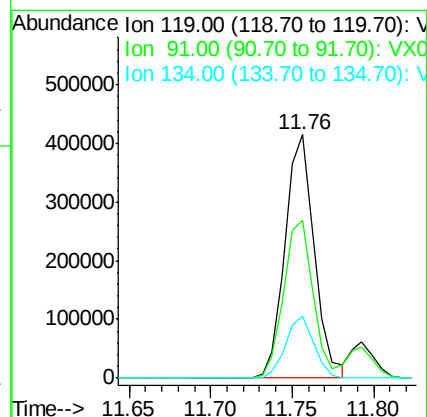
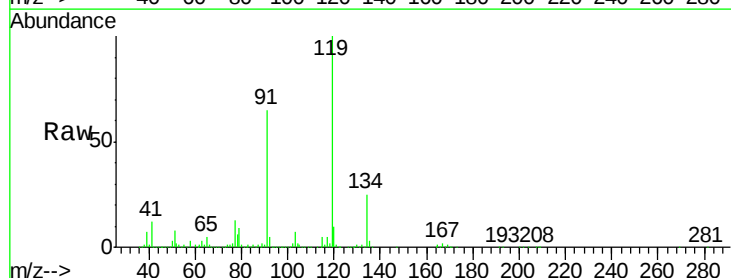
Tgt Ion: 119 Resp: 520501

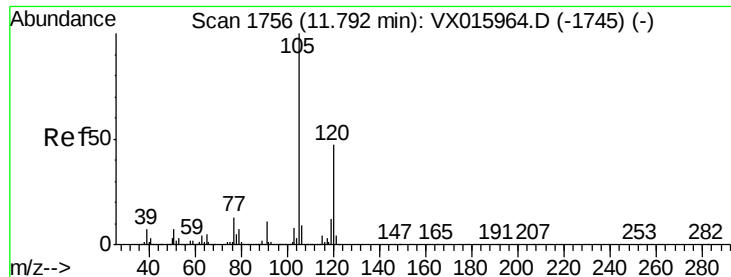
Ion Ratio Lower Upper

119 100

91 64.8 33.5 100.4

134 24.6 12.4 37.2





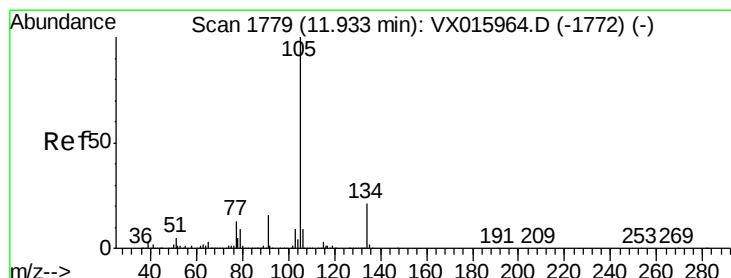
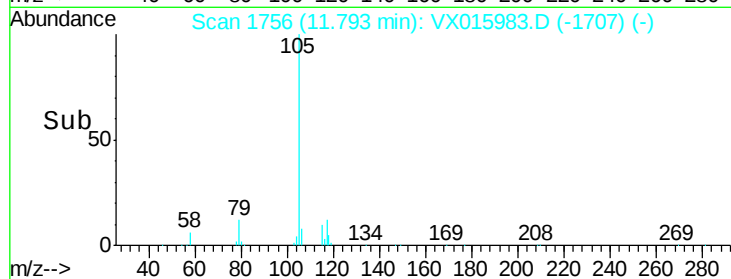
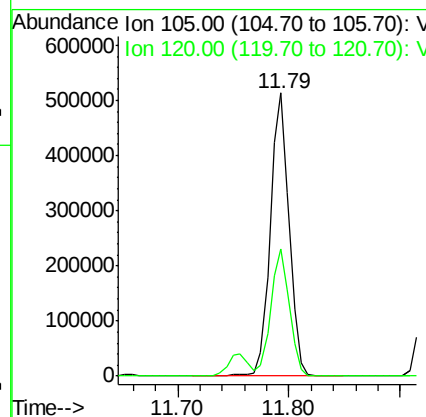
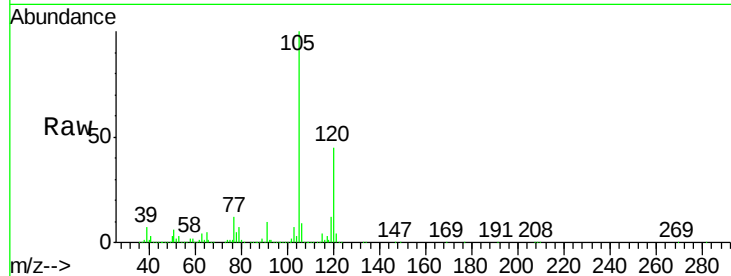
#84
 1,2,4-Trimethylbenzene
 Concen: 52.727 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Instrument :
 MSVOA_X
 ClientSampled :
 HW-7MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.9	68.8

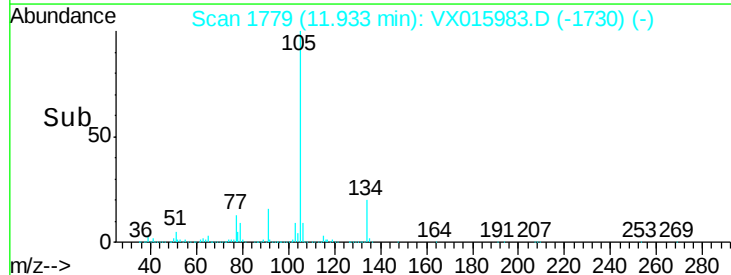
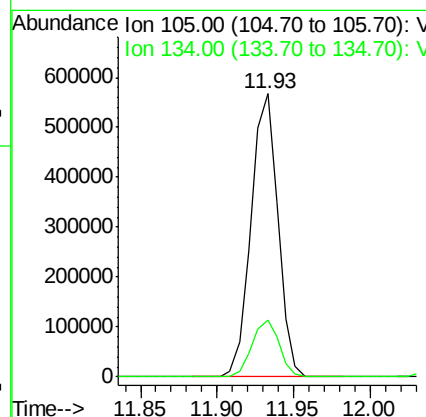
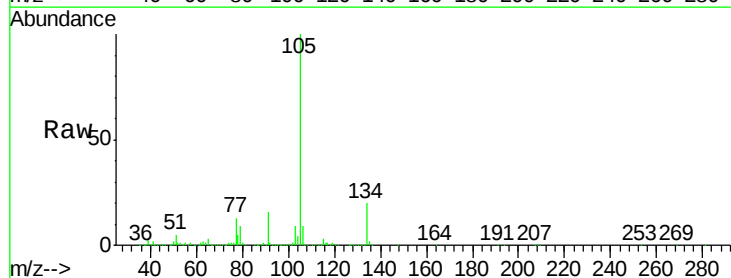
Manual Integrations
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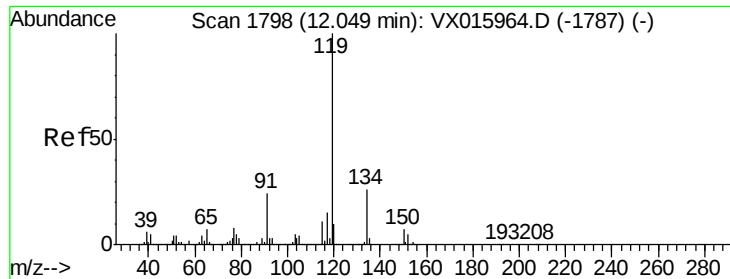
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#85
 sec-Butylbenzene
 Concen: 52.037 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.4	31.1





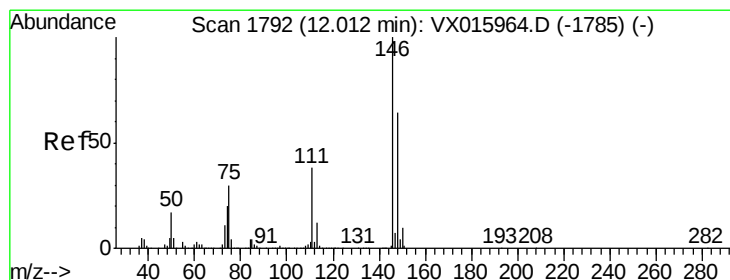
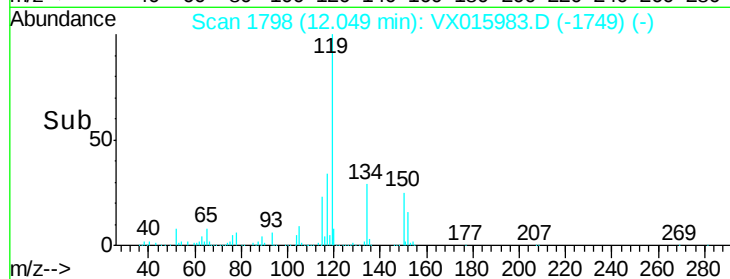
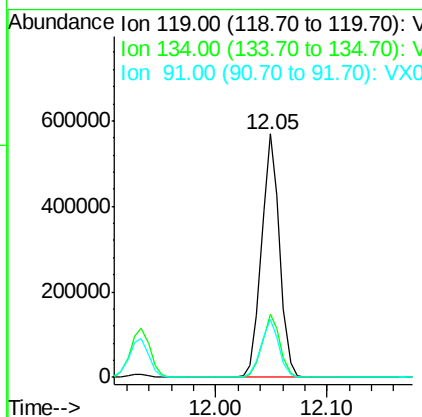
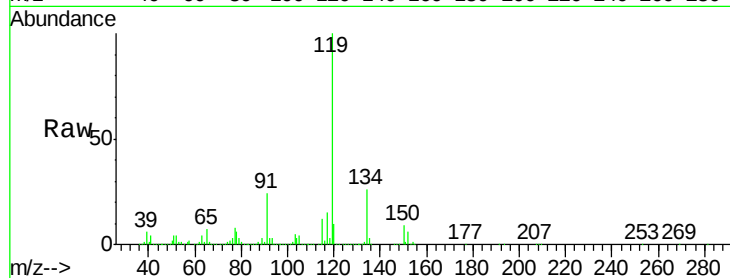
#86
p-Isopropyltoluene
Concen: 51.758 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	645148		
134	25.8	13.0	39.0	
91	23.7	11.9	35.9	

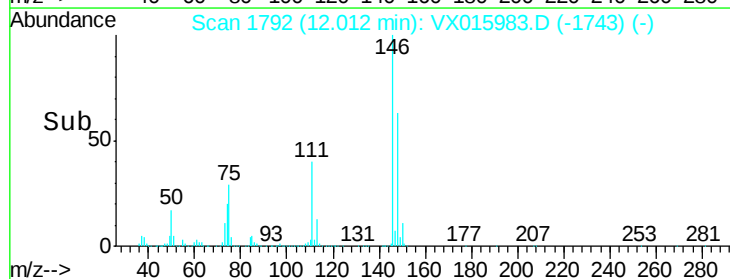
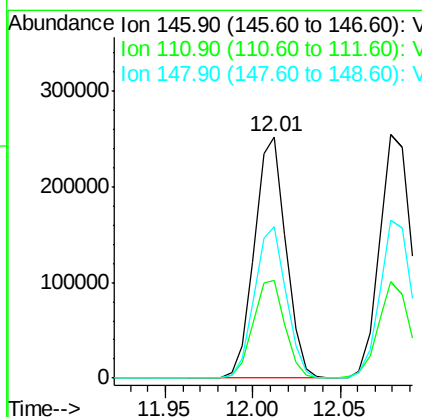
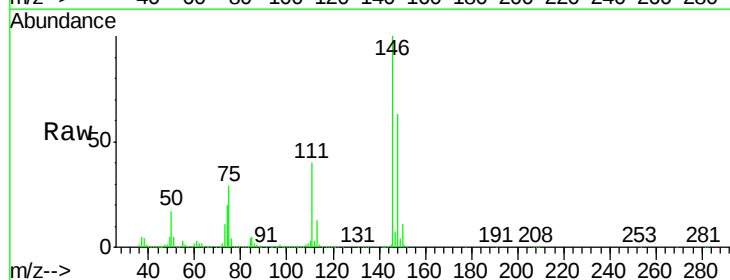
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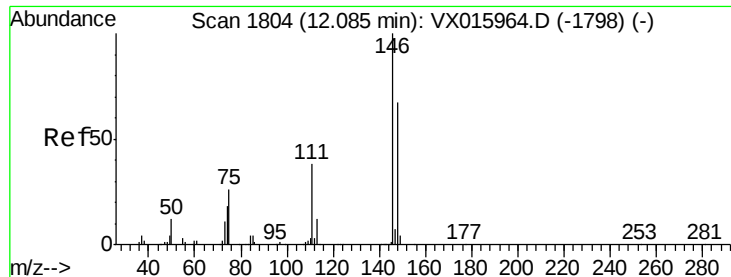
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#87
1,3-Dichlorobenzene
Concen: 49.430 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	315532		
111	41.0	19.6	58.8	
148	63.2	32.0	96.0	





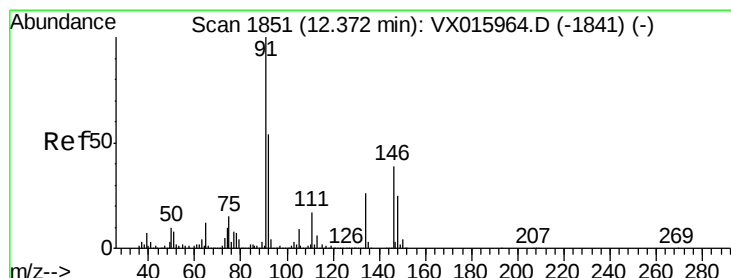
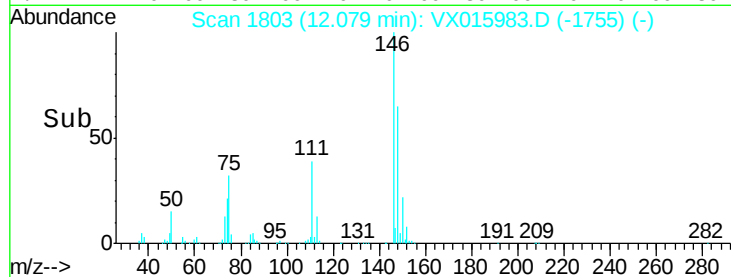
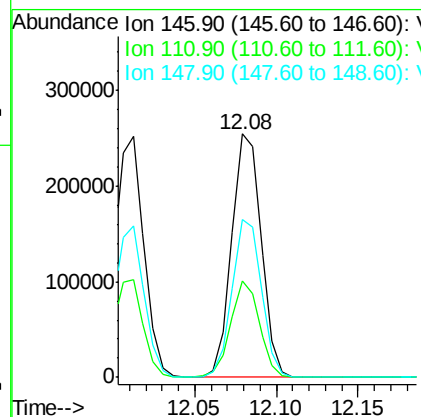
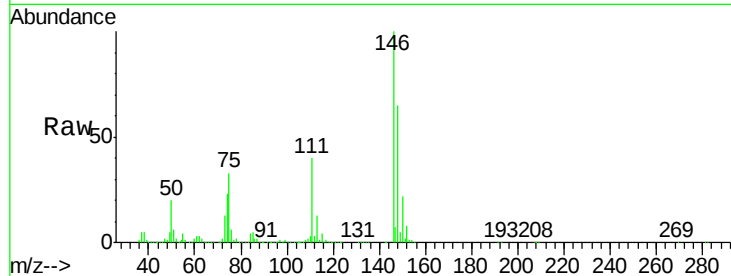
#88
 1,4-Dichlorobenzene
 Concen: 49.622 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.5	32.8	98.4

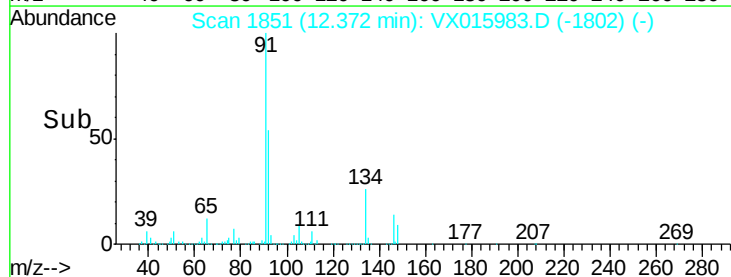
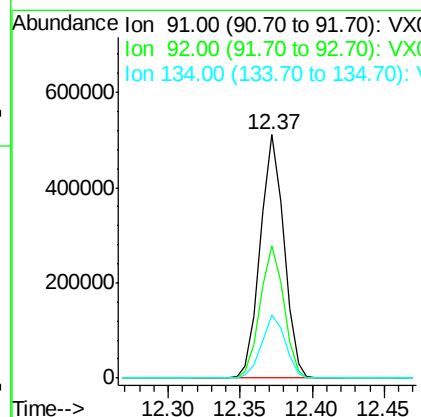
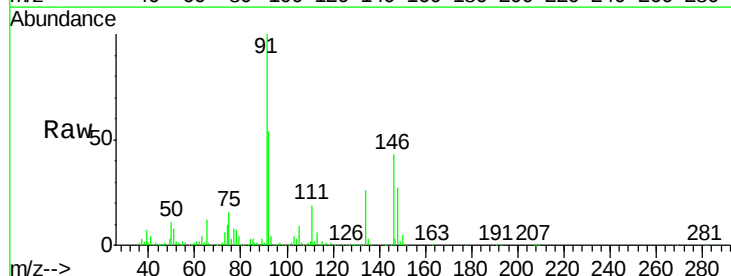
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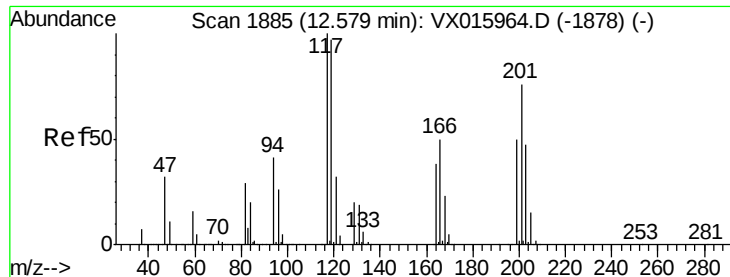
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#89
 n-Butylbenzene
 Concen: 51.017 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.3
134	26.1	13.3	39.8





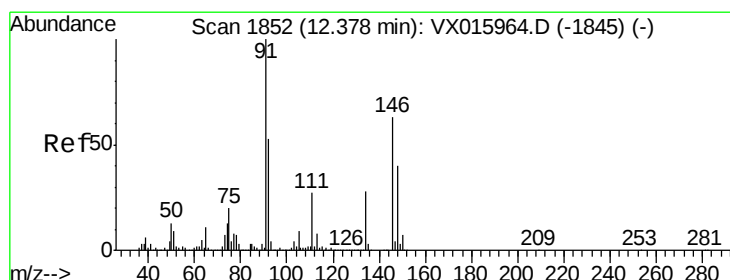
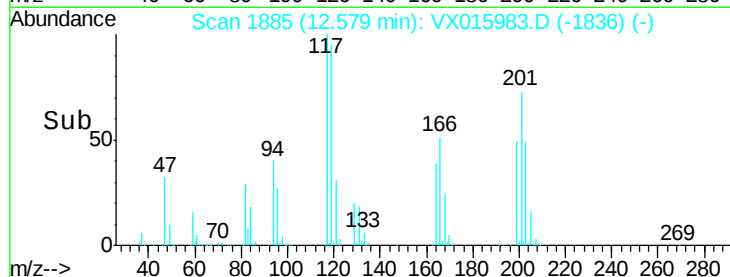
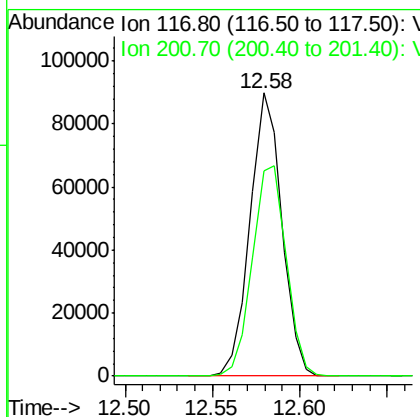
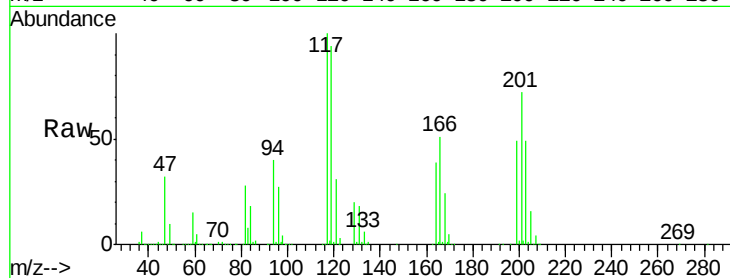
#90
Hexachloroethane
Concen: 51.668 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Tot Ion	Ratio	Lower	Upper
117	100		
201	79.1	40.3	120.8

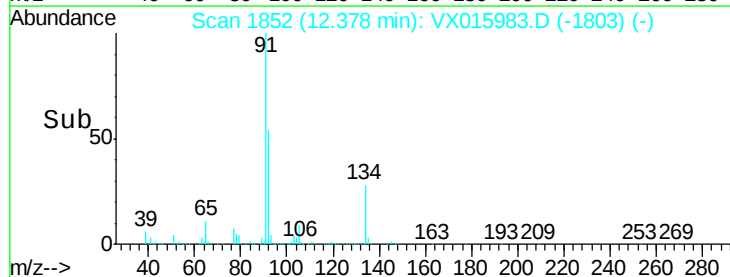
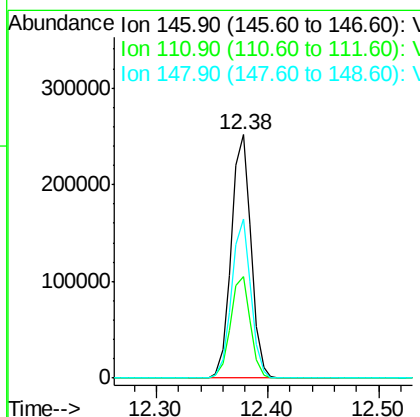
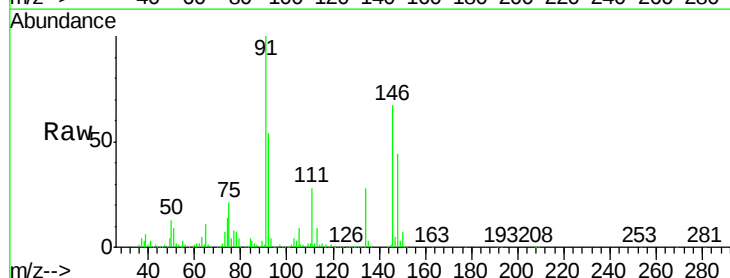
Manual Integrations
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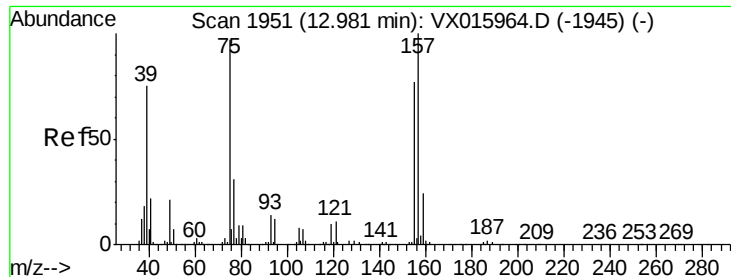
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#91
1,2-Dichlorobenzene
Concen: 50.224 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX015983.D
Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.3
148	64.1	32.3	96.9





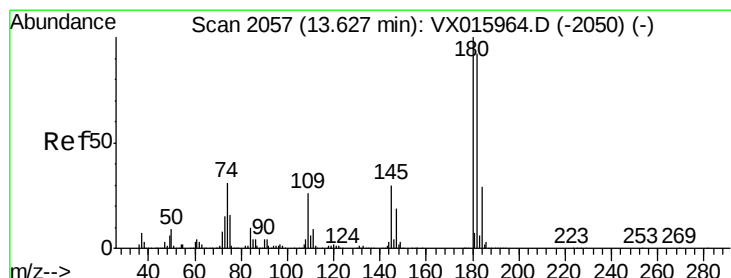
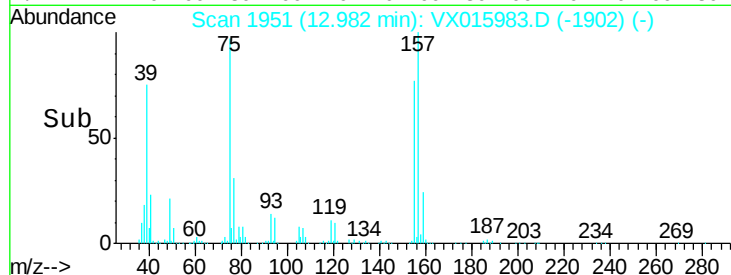
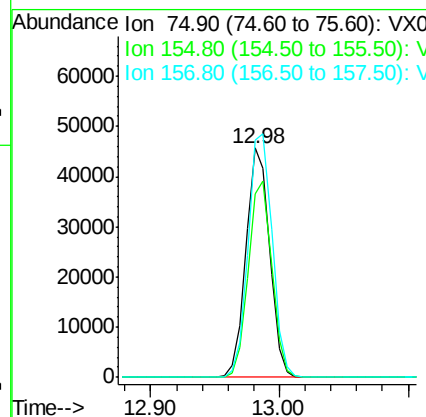
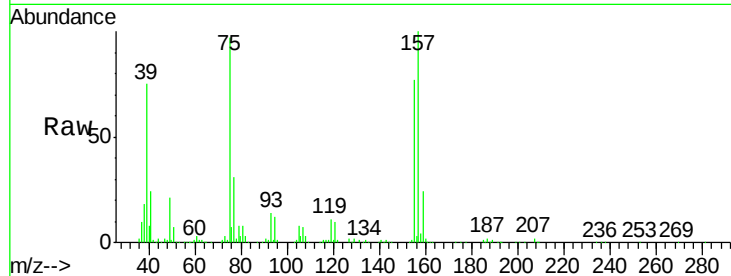
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.443 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	84.8	42.5	127.6
157	107.3	56.0	168.2

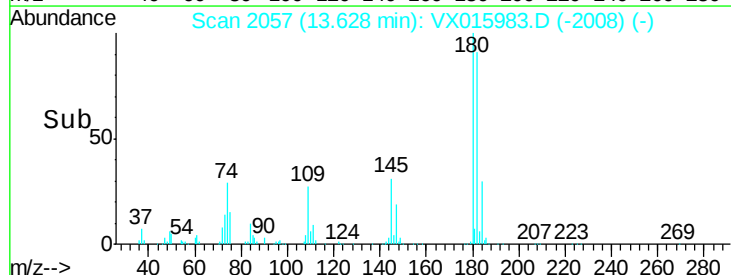
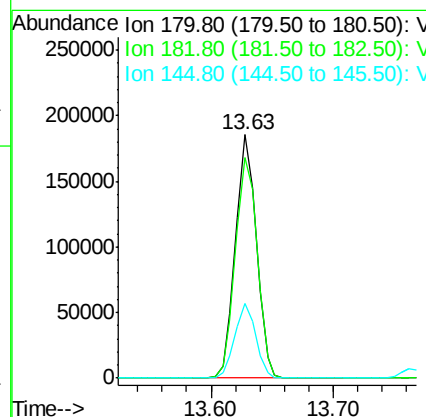
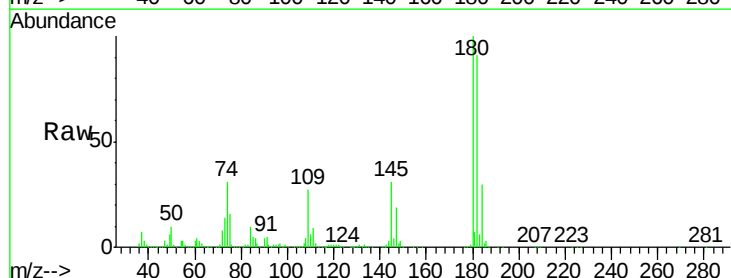
Manual Integrations
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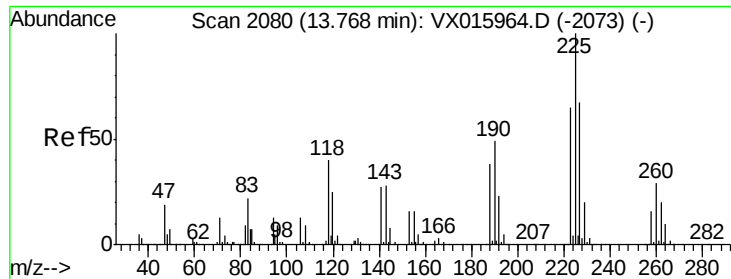
MMDadoda
 4/30/2020 2:11:46 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.667 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.9	140.6
145	30.7	14.7	44.1





#94

Hexachlorobutadiene

Concen: 45.858 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Instrument :

MSVOA_X

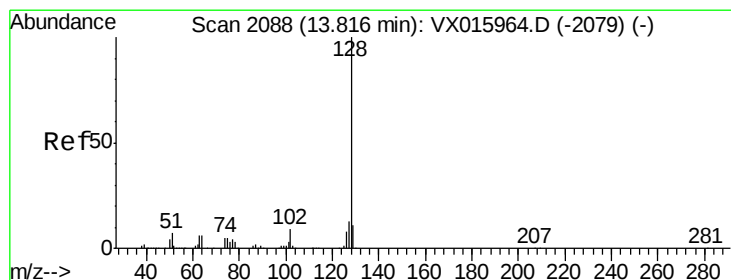
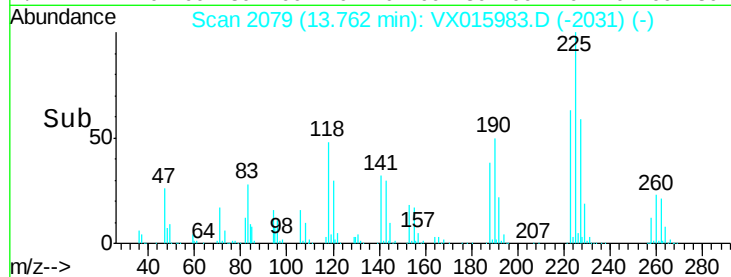
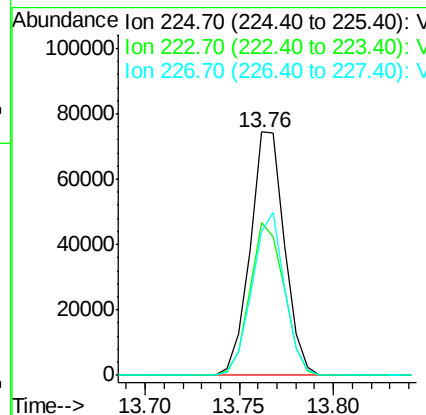
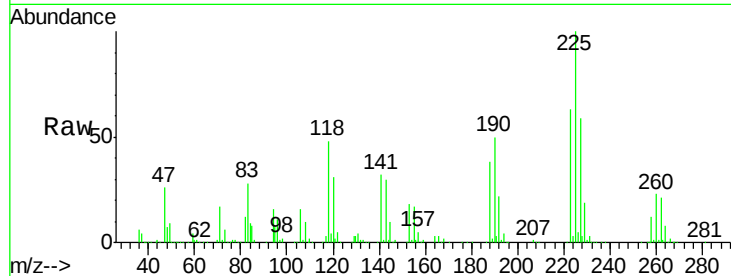
ClientSampled :

HW-7MS

Tot Ion:	225	Resp:	93870
Ion Ratio	Lower	Upper	
225	100		
223	62.5	32.0	96.0
227	63.6	33.0	99.0

Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:11:46 PM



#95

Naphthalene

Concen: 50.964 ug/l

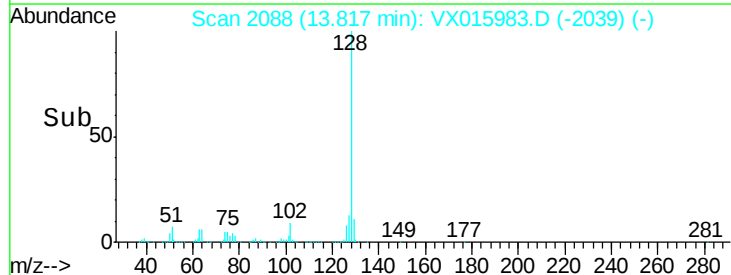
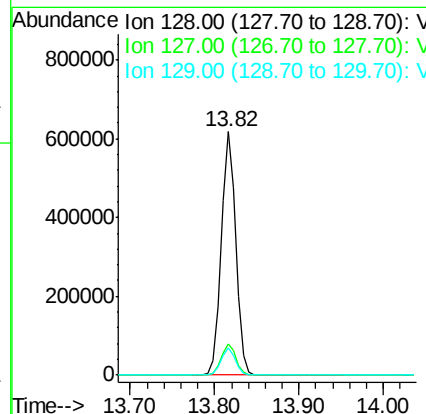
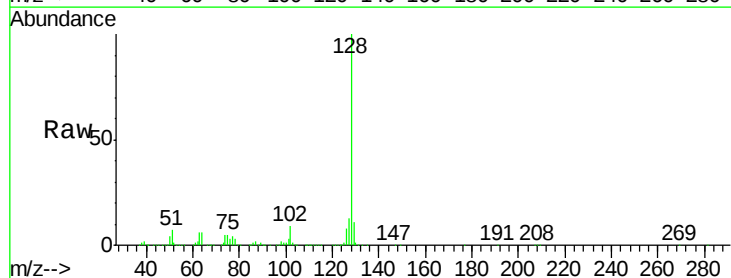
RT: 13.82 min Scan# 2088

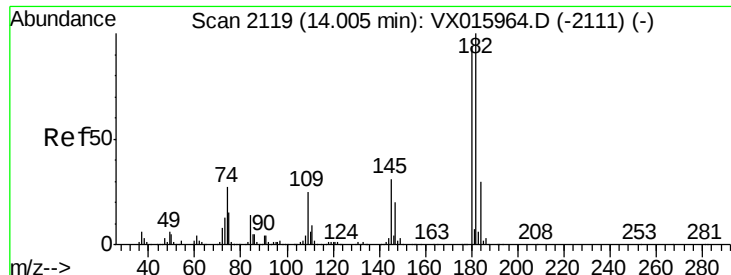
Delta R.T. 0.00 min

Lab File: VX015983.D

Acq: 29 Apr 2020 17:33

Tgt Ion:	128	Resp:	736432
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1





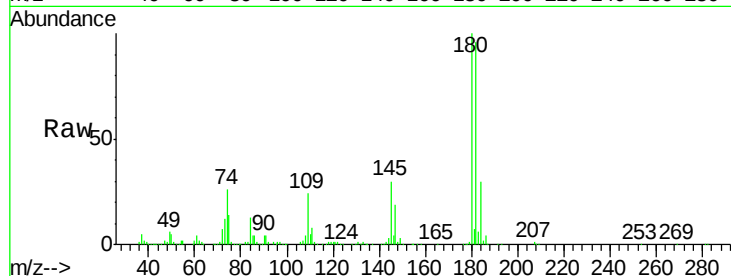
#96
 1,2,3-Trichlorobenzene
 Concen: 50.015 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VX015983.D
 Acq: 29 Apr 2020 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220642		
182	94.7		48.7	146.1
145	31.5		16.1	48.3

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:11:46 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

